

The specific information of DE mRNAs

mRNA	Log ₂ (fold change)	Average expression	<i>t</i> value	P value	Adjusted P value	B value
CLEC4G	-5.8858	1.0310	-34.5848	0.0000	0.0000	17.3695
HPD	-5.6682	2.6749	-32.8340	0.0000	0.0000	17.0030
GNMT	-6.6103	2.0615	-32.5560	0.0000	0.0000	16.9417
SERPIND1	-6.2194	2.3134	-32.1885	0.0000	0.0000	16.8593
C14orf68	-6.2916	1.1512	-31.9044	0.0000	0.0000	16.7944
F9	-6.0310	2.0062	-31.8341	0.0000	0.0000	16.7782
ASPG	-6.5874	0.7817	-30.8844	0.0000	0.0000	16.5533
HGFAC	-5.6715	1.8615	-30.6270	0.0000	0.0000	16.4904
MASP2	-6.3242	0.5251	-30.4765	0.0000	0.0000	16.4532
CYP2E1	-6.1009	3.2687	-30.1679	0.0000	0.0000	16.3759
SPP2	-7.2367	0.9470	-29.6864	0.0000	0.0000	16.2527
CYP2A7	-6.4623	1.7497	-29.5674	0.0000	0.0000	16.2218
PRODH2	-6.2880	0.0645	-29.4055	0.0000	0.0000	16.1794
SLC27A5	-5.2364	2.6421	-29.2710	0.0000	0.0000	16.1438
PLG	-5.1842	2.9219	-29.1646	0.0000	0.0000	16.1155
F13B	-6.6769	0.5641	-28.9432	0.0000	0.0000	16.0561
GLYATL1	-6.4097	1.0489	-28.7323	0.0000	0.0000	15.9988
KNG1	-5.3304	2.7987	-28.6732	0.0000	0.0000	15.9827
SLC13A5	-6.8915	0.6065	-28.6561	0.0000	0.0000	15.9780
ACOT12	-6.5960	-0.5684	-28.5695	0.0000	0.0000	15.9542
AGXT	-6.0933	2.3870	-28.2422	0.0000	0.0000	15.8631
ALDOB	-5.3942	2.7389	-28.1545	0.0000	0.0000	15.8384
CDO1	-6.1082	1.4900	-27.9716	0.0000	0.0000	15.7866
ITIH1	-5.8827	2.8619	-27.9699	0.0000	0.0000	15.7861
CYP3A4	-4.6450	2.5996	-27.9659	0.0000	0.0000	15.7849
APOH	-5.0888	3.1881	-27.9428	0.0000	0.0000	15.7783
HPX	-6.1758	2.3816	-27.8671	0.0000	0.0000	15.7567
AHSG	-5.7369	2.9456	-27.4287	0.0000	0.0000	15.6294
APOC3	-5.5533	3.1610	-27.1070	0.0000	0.0000	15.5340
APOA1	-5.6374	3.5533	-26.9867	0.0000	0.0000	15.4979
AFM	-5.9511	1.4390	-26.9427	0.0000	0.0000	15.4846
HSD17B6	-5.8461	2.6166	-26.8389	0.0000	0.0000	15.4531
ARG1	-6.2273	1.9360	-26.6894	0.0000	0.0000	15.4075
OIT3	-5.3174	-1.3629	-26.6813	0.0000	0.0000	15.4050
CLEC1B	-6.1726	0.0901	-26.4362	0.0000	0.0000	15.3293
CLEC4M	-5.4217	0.4772	-26.2758	0.0000	0.0000	15.2792
TF	-5.2761	2.9374	-26.2590	0.0000	0.0000	15.2739
CYP8B1	-6.1701	-0.3109	-26.2509	0.0000	0.0000	15.2714
AGXT2	-6.5223	-0.0162	-26.1862	0.0000	0.0000	15.2510

SERPINA11	-6.2544	1.6008	-26.1172	0.0000	0.0000	15.2292
OTC	-6.5905	0.9993	-26.0614	0.0000	0.0000	15.2115
DMGDH	-5.3908	0.2780	-25.9887	0.0000	0.0000	15.1883
HFE2	-6.9800	-0.6029	-25.6650	0.0000	0.0000	15.0840
FTCD	-6.0991	2.0062	-25.4017	0.0000	0.0000	14.9977
HRG	-5.2976	2.9071	-25.0899	0.0000	0.0000	14.8938
HMGCS2	-5.8445	2.4614	-25.0542	0.0000	0.0000	14.8818
BHMT2	-5.9357	1.1062	-24.9056	0.0000	0.0000	14.8315
LECT2	-5.7487	1.8886	-24.8778	0.0000	0.0000	14.8220
GSTA2	-5.4884	1.7800	-24.6399	0.0000	0.0000	14.7404
SLC1A2	-6.8316	0.0491	-24.3445	0.0000	0.0000	14.6374
CCL16	-4.4412	1.1091	-23.9629	0.0000	0.0000	14.5017
RDH16	-5.1744	1.5744	-23.8016	0.0000	0.0000	14.4434
F12	-4.5638	0.7631	-23.7376	0.0000	0.0000	14.4201
ADH4	-5.7034	2.3016	-23.6131	0.0000	0.0000	14.3745
F2	-5.7724	1.9449	-23.6092	0.0000	0.0000	14.3731
CYP4A22	-6.1727	1.1792	-23.5789	0.0000	0.0000	14.3620
FETUB	-6.4514	0.9284	-23.5648	0.0000	0.0000	14.3568
BHMT	-6.5845	1.6811	-23.4666	0.0000	0.0000	14.3205
AZGP1	-4.9505	3.0728	-23.3560	0.0000	0.0000	14.2794
ACOX2	-5.3547	2.2772	-23.3124	0.0000	0.0000	14.2630
ACADSB	-4.4357	1.5178	-23.2959	0.0000	0.0000	14.2569
CYP4A11	-5.5493	1.3650	-23.1696	0.0000	0.0000	14.2094
MARCO	-4.6405	2.5493	-23.0776	0.0000	0.0000	14.1746
HEPN1	-5.0742	-1.3132	-23.0104	0.0000	0.0000	14.1490
SERPINC1	-5.7868	2.8532	-22.7056	0.0000	0.0000	14.0317
MAT1A	-5.0733	2.6979	-22.6285	0.0000	0.0000	14.0017
PCK1	-4.5019	3.4075	-22.6074	0.0000	0.0000	13.9935
SLC10A1	-5.9487	1.9579	-22.3612	0.0000	0.0000	13.8966
SAA4	-5.9561	2.1969	-22.2778	0.0000	0.0000	13.8634
CPS1	-5.4023	1.0264	-22.1435	0.0000	0.0000	13.8096
GCGR	-6.4941	0.6875	-22.0646	0.0000	0.0000	13.7778
CPN2	-5.4077	-0.2069	-21.9517	0.0000	0.0000	13.7320
RIPPLY1	-5.4202	-5.1926	-21.8822	0.0000	0.0000	13.7037
HAO1	-5.7826	1.3059	-21.8539	0.0000	0.0000	13.6921
TTC36	-4.9994	0.7633	-21.6947	0.0000	0.0000	13.6266
FMO3	-4.9235	2.5530	-21.6655	0.0000	0.0000	13.6145
ADAMTS13	-3.9880	-1.6281	-21.6115	0.0000	0.0000	13.5921
DPYS	-6.3168	1.0662	-21.5651	0.0000	0.0000	13.5728
CD5L	-6.2083	0.3839	-21.3947	0.0000	0.0000	13.5014
ASPDH	-7.3483	-0.7767	-21.3535	0.0000	0.0000	13.4840
GPR56	3.7785	1.5964	21.0733	0.0000	0.0000	13.3645
HP	-5.4656	2.3347	-21.0239	0.0000	0.0000	13.3432

TTR	-5.8363	2.3675	-20.9159	0.0000	0.0000	13.2965
DNASE1L3	-6.1123	0.6599	-20.7359	0.0000	0.0000	13.2178
C8B	-5.8208	0.8389	-20.6210	0.0000	0.0000	13.1671
C9	-6.1829	1.8575	-20.5443	0.0000	0.0000	13.1331
UPB1	-5.7161	1.0692	-20.4792	0.0000	0.0000	13.1040
MASPI	-5.7452	-0.8772	-20.4629	0.0000	0.0000	13.0968
C8A	-5.2958	2.5177	-20.4194	0.0000	0.0000	13.0773
HAMP	-4.4779	2.2153	-20.3859	0.0000	0.0000	13.0622
SERPINA10	-4.8811	2.3507	-20.3843	0.0000	0.0000	13.0615
PGLYRP2	-6.1713	0.4807	-20.2394	0.0000	0.0000	12.9960
ANG	-5.0728	2.7693	-20.0457	0.0000	0.0000	12.9076
ADH1C	-4.8635	3.3948	-20.0378	0.0000	0.0000	12.9039
GLT1D1	-5.4105	-0.3749	-20.0183	0.0000	0.0000	12.8950
UGT3A1	-5.4799	-1.8198	-19.9191	0.0000	0.0000	12.8492
ACSM5	-5.4517	1.1035	-19.8215	0.0000	0.0000	12.8038
GDF2	-7.0539	-2.6151	-19.7385	0.0000	0.0000	12.7650
HEPACAM	-6.1048	-2.0747	-19.7075	0.0000	0.0000	12.7504
INHBC	-4.6085	1.5630	-19.3858	0.0000	0.0000	12.5976
HPR	-4.9829	2.1265	-19.3692	0.0000	0.0000	12.5896
ANKRD55	-4.7735	-3.4191	-19.3020	0.0000	0.0000	12.5573
ACSM2B	-4.8837	1.7730	-19.2532	0.0000	0.0000	12.5337
VCAN	4.9607	1.2774	19.2480	0.0000	0.0000	12.5312
CFP	-4.9094	1.2634	-19.2249	0.0000	0.0000	12.5200
LCAT	-4.8093	1.2075	-18.9362	0.0000	0.0000	12.3786
CXorf66	-4.8535	-5.5332	-18.8331	0.0000	0.0000	12.3274
CD209	-3.9472	0.7752	-18.7685	0.0000	0.0000	12.2951
SLC22A3	-5.1821	2.4335	-18.7381	0.0000	0.0000	12.2799
ALDH6A1	-3.8036	2.9495	-18.6046	0.0000	0.0000	12.2127
LOC647057	-7.0787	-1.8151	-18.6025	0.0000	0.0000	12.2117
PROZ	-6.7982	-0.0110	-18.5474	0.0000	0.0000	12.1837
ACADL	-6.6709	-1.7540	-18.4786	0.0000	0.0000	12.1487
LOC646282	-5.5997	0.0102	-18.4660	0.0000	0.0000	12.1423
HAL	-5.0822	-0.5849	-18.3997	0.0000	0.0000	12.1083
CYP2C19	-5.4356	1.6084	-18.1610	0.0000	0.0000	11.9849
ABCG5	-6.9536	-1.4335	-18.1400	0.0000	0.0000	11.9740
FCN2	-6.0993	0.3280	-18.1363	0.0000	0.0000	11.9720
APOC4	-3.2122	3.6066	-18.1003	0.0000	0.0000	11.9532
CYP4F2	-6.0733	0.7106	-18.0486	0.0000	0.0000	11.9261
CYP1A2	-3.7051	2.5787	-17.9436	0.0000	0.0000	11.8707
APOC2	-5.1224	1.7497	-17.7899	0.0000	0.0000	11.7890
FXVD1	-5.0077	1.2124	-17.7739	0.0000	0.0000	11.7804
EPCAM	4.6817	2.1630	17.7587	0.0000	0.0000	11.7723
IGFALS	-4.8924	1.2604	-17.7260	0.0000	0.0000	11.7548

GSTA5	-5.8288	1.4137	-17.6538	0.0000	0.0000	11.7159
CTHRC1	5.3407	0.4650	17.3980	0.0000	0.0000	11.5765
ITIH3	-5.0347	3.2898	-17.3630	0.0000	0.0000	11.5573
COL8A1	4.7497	0.3635	17.3407	0.0000	0.0000	11.5450
GSTA7P	-6.1023	-4.4073	-17.3081	0.0000	0.0000	11.5270
GPM6A	-3.8730	-1.0821	-17.2967	0.0000	0.0000	11.5207
DEPDC7	-5.4488	0.2817	-17.2745	0.0000	0.0000	11.5084
APOF	-3.5923	2.5626	-17.2535	0.0000	0.0000	11.4967
DCXR	-3.9731	3.5416	-17.1944	0.0000	0.0000	11.4639
ALB	-4.4923	4.0309	-17.1794	0.0000	0.0000	11.4555
DIO1	-7.1270	-0.5940	-17.0273	0.0000	0.0000	11.3702
LEAP2	-3.9665	-0.4198	-17.0217	0.0000	0.0000	11.3670
LOC100507055	-6.4408	-1.2773	-16.9603	0.0000	0.0000	11.3323
CYP4F3	-6.1091	0.8501	-16.9585	0.0000	0.0000	11.3313
SYPL2	-3.6681	-1.7829	-16.9335	0.0000	0.0000	11.3171
CSAD	-3.5367	1.4375	-16.8959	0.0000	0.0000	11.2957
CRYL1	-3.4787	1.9344	-16.8545	0.0000	0.0000	11.2721
SARDH	-4.7447	-0.7060	-16.8526	0.0000	0.0000	11.2710
GBP7	-5.8041	-0.1779	-16.7407	0.0000	0.0000	11.2069
CCBE1	-3.8887	-2.4396	-16.6786	0.0000	0.0000	11.1711
GREM2	-5.5763	-0.7871	-16.6761	0.0000	0.0000	11.1696
MBL2	-6.5114	1.2991	-16.6570	0.0000	0.0000	11.1586
PKM2	3.4589	1.7746	16.6497	0.0000	0.0000	11.1543
BEX1	-4.2137	-2.7172	-16.5155	0.0000	0.0000	11.0762
ZG16	-6.6190	0.4376	-16.4915	0.0000	0.0000	11.0622
LOC731656	-4.6987	0.0655	-16.4723	0.0000	0.0000	11.0509
RBP4	-4.6396	2.6835	-16.4684	0.0000	0.0000	11.0486
ASS1	-3.6620	2.1146	-16.4484	0.0000	0.0000	11.0369
LPAL2	-6.1887	-0.7550	-16.4387	0.0000	0.0000	11.0312
SULF1	4.3186	1.0320	16.4282	0.0000	0.0000	11.0250
A1BG	-6.4777	1.4741	-16.3644	0.0000	0.0000	10.9874
AMDHD1	-5.9127	1.5365	-16.3104	0.0000	0.0000	10.9553
CRHBP	-4.4930	2.1544	-16.2959	0.0000	0.0000	10.9467
PON1	-6.3982	0.6769	-16.2856	0.0000	0.0000	10.9406
SLC22A1	-5.8954	1.6491	-16.2725	0.0000	0.0000	10.9328
CYP2C8	-5.2736	2.3906	-16.2229	0.0000	0.0000	10.9033
CIDEB	-3.8228	2.7344	-16.2148	0.0000	0.0000	10.8984
ASGR1	-3.5214	-1.2587	-16.1578	0.0000	0.0000	10.8643
CYP3A43	-5.9857	-2.4359	-16.1507	0.0000	0.0000	10.8600
TMEM82	-5.8853	-0.5373	-16.1283	0.0000	0.0000	10.8466
SERPINA7	-6.2331	1.6337	-16.1093	0.0000	0.0000	10.8351
PFKFB1	-6.1867	-2.6516	-16.0567	0.0000	0.0000	10.8034
CES5A	-6.5424	-3.6672	-15.9916	0.0000	0.0000	10.7639

BMP10	-4.3695	-2.9660	-15.9647	0.0000	0.0000	10.7476
GYS2	-6.6290	-0.4810	-15.9636	0.0000	0.0000	10.7469
APOM	-5.0937	2.1969	-15.9450	0.0000	0.0000	10.7356
SHBG	-4.1462	-3.3391	-15.8709	0.0000	0.0000	10.6903
RBP5	-5.1379	1.2935	-15.8128	0.0000	0.0000	10.6546
ABCB4	-5.5367	-0.5407	-15.7460	0.0000	0.0000	10.6134
ETFDH	-2.8704	2.4428	-15.7247	0.0000	0.0000	10.6002
SLCO1B3	-6.7339	-0.8232	-15.6970	0.0000	0.0000	10.5830
CYP1A1	-5.6502	-2.1020	-15.6490	0.0000	0.0000	10.5532
KLKB1	-4.5115	0.7313	-15.5891	0.0000	0.0000	10.5158
GBA3	-5.9676	1.0470	-15.5172	0.0000	0.0000	10.4707
CYP27A1	-3.6846	0.9863	-15.5115	0.0000	0.0000	10.4671
ESR1	-4.1668	-1.8105	-15.4890	0.0000	0.0000	10.4529
GNA14	-3.5992	-1.5891	-15.4820	0.0000	0.0000	10.4485
ABCA6	-4.3460	1.4411	-15.4422	0.0000	0.0000	10.4234
ABCC9	-3.7345	-1.6452	-15.3744	0.0000	0.0000	10.3804
PEMT	-2.8547	2.8202	-15.2960	0.0000	0.0000	10.3304
AQP7	-4.9760	0.8669	-15.2807	0.0000	0.0000	10.3206
C10orf125	-3.7908	2.0560	-15.2670	0.0000	0.0000	10.3118
ALDH8A1	-4.1807	1.4699	-15.2543	0.0000	0.0000	10.3037
SELENBP1	-3.7938	2.4301	-15.1985	0.0000	0.0000	10.2678
ADH6	-5.8592	0.5937	-15.1138	0.0000	0.0000	10.2131
COL10A1	5.0893	0.7564	15.0801	0.0000	0.0000	10.1912
AQP9	-5.8242	2.0752	-15.0091	0.0000	0.0000	10.1449
LOC339926	-4.0486	0.6718	-14.9128	0.0000	0.0000	10.0818
C6	-5.8959	1.7600	-14.7720	0.0000	0.0000	9.9887
C8orf80	-3.1142	-1.9851	-14.7616	0.0000	0.0000	9.9818
GLYAT	-6.7328	-0.0030	-14.7348	0.0000	0.0000	9.9638
C14orf180	-3.6668	-2.2413	-14.6559	0.0000	0.0000	9.9111
F11	-5.1715	1.2221	-14.6521	0.0000	0.0000	9.9086
SPP1	6.6387	2.5341	14.6496	0.0000	0.0000	9.9069
MYEF2	3.6887	-2.4535	14.6199	0.0000	0.0000	9.8869
ACSL1	-3.6447	3.3420	-14.5675	0.0000	0.0000	9.8516
CYP2A13	-6.2959	0.2882	-14.5517	0.0000	0.0000	9.8409
GFRA1	-4.9549	-0.0451	-14.5453	0.0000	0.0000	9.8366
CYP2C9	-5.5479	2.3686	-14.5159	0.0000	0.0000	9.8167
METTL7A	-3.2458	2.8096	-14.4956	0.0000	0.0000	9.8029
LOC729170	-3.8451	1.8286	-14.4903	0.0000	0.0000	9.7993
NR1I3	-5.7287	0.8948	-14.4501	0.0000	0.0000	9.7719
CCL23	-4.8003	-4.0100	-14.3693	0.0000	0.0000	9.7166
AR	-4.7433	1.2664	-14.3375	0.0000	0.0000	9.6948
ABCB11	-5.8640	-1.9172	-14.3046	0.0000	0.0000	9.6721
SOX5	-3.8379	-1.2736	-14.2898	0.0000	0.0000	9.6620

DAO	-6.0340	0.6417	-14.2597	0.0000	0.0000	9.6412
ADH1A	-5.5664	1.7511	-14.2254	0.0000	0.0000	9.6174
GLTPD2	-5.1918	-0.2983	-14.0945	0.0000	0.0000	9.5262
ENST00000357168	-5.9716	0.6150	-14.0262	0.0000	0.0000	9.4782
PDE2A	-3.0338	0.7044	-14.0049	0.0000	0.0000	9.4632
AGXT2L1	-6.4096	-0.1199	-13.9076	0.0000	0.0000	9.3942
MTPP	-6.4039	0.1517	-13.9044	0.0000	0.0000	9.3920
ACAA1	-3.2175	2.5874	-13.8958	0.0000	0.0000	9.3858
CNDP1	-6.4977	-0.0035	-13.8933	0.0000	0.0000	9.3841
LPA	-5.5113	-1.7441	-13.8809	0.0000	0.0000	9.3753
ADRA1A	-3.7859	-0.0897	-13.8589	0.0000	0.0000	9.3596
FLJ21963	-4.2158	-0.3482	-13.8520	0.0000	0.0000	9.3547
GATM	-5.4425	1.3685	-13.8487	0.0000	0.0000	9.3523
KIAA1522	3.2040	2.3098	13.8142	0.0000	0.0000	9.3276
PLA2G12B	-4.7924	0.8636	-13.8015	0.0000	0.0000	9.3185
GLYCTK	-4.9469	-1.3829	-13.8001	0.0000	0.0000	9.3175
SLC25A18	-5.6720	-0.5408	-13.7616	0.0000	0.0000	9.2899
CA5A	-5.2253	-1.2642	-13.7481	0.0000	0.0000	9.2802
FABP1	-6.0333	-0.4724	-13.7204	0.0000	0.0000	9.2602
GCDH	-2.9924	1.8679	-13.6342	0.0000	0.0000	9.1978
SEPP1	-3.2669	3.2674	-13.6259	0.0000	0.0000	9.1918
SLC38A4	-6.0236	0.7407	-13.5071	0.0000	0.0000	9.1050
FBP1	-4.9748	0.2974	-13.4965	0.0000	0.0000	9.0973
MIP	-2.8610	-4.4926	-13.4805	0.0000	0.0000	9.0855
NM_130786	-4.2467	-3.2114	-13.4784	0.0000	0.0000	9.0839
LOC161247	-3.0643	-3.5311	-13.4686	0.0000	0.0000	9.0768
CAT	-3.3071	3.1148	-13.4486	0.0000	0.0000	9.0620
NADKD1	-3.4280	0.6176	-13.4426	0.0000	0.0000	9.0576
LOC643652	-5.5812	-0.2775	-13.4383	0.0000	0.0000	9.0544
MTHFD1	-3.0513	2.6086	-13.3765	0.0000	0.0000	9.0088
PLGLB1	-3.4356	2.0829	-13.3352	0.0000	0.0000	8.9781
C15orf43	-4.7818	-5.6053	-13.3151	0.0000	0.0000	8.9631
FCN3	-3.9830	-1.3394	-13.3089	0.0000	0.0000	8.9585
OSTalpha	-6.1384	-0.5033	-13.2680	0.0000	0.0000	8.9280
PIPOX	-3.9780	2.7770	-13.2476	0.0000	0.0000	8.9127
GDPD4	-3.9605	-5.1970	-13.2473	0.0000	0.0000	8.9125
CDH19	-3.0223	-0.0860	-13.2283	0.0000	0.0000	8.8982
SULT2A1	-4.7467	2.3482	-13.2237	0.0000	0.0000	8.8947
GPR182	-3.0802	-0.3112	-13.1967	0.0000	0.0000	8.8745
SLC22A7	-4.5976	0.8871	-13.1096	0.0000	0.0000	8.8087
UGT2B4	-4.9134	2.4269	-13.0932	0.0000	0.0000	8.7963
LOC728978	4.1028	-4.9077	13.0856	0.0000	0.0000	8.7905
IL13RA2	-5.3672	-2.3839	-13.0434	0.0000	0.0000	8.7585

AQP7P3	-5.3996	-0.5621	-13.0351	0.0000	0.0000	8.7522
FAM99B	-7.7709	-2.3285	-13.0309	0.0000	0.0000	8.7489
SLC7A9	-4.7882	-1.2538	-13.0038	0.0000	0.0000	8.7283
DBH	-6.5943	-1.2032	-12.9482	0.0000	0.0000	8.6858
PXMP2	-4.2725	1.0031	-12.9476	0.0000	0.0000	8.6853
FAP	4.3304	-0.4355	12.9354	0.0000	0.0000	8.6759
NPW	-4.4717	0.4618	-12.9330	0.0000	0.0000	8.6740
ITGB4	3.9067	0.3242	12.8880	0.0000	0.0000	8.6394
PTTG3	2.6175	-1.1823	12.8871	0.0000	0.0000	8.6387
COLEC10	-4.6718	-1.0354	-12.7807	0.0000	0.0000	8.5564
FNDC1	4.4270	-0.2499	12.7676	0.0000	0.0000	8.5461
SLC38A3	-5.8771	-0.2917	-12.7445	0.0000	0.0000	8.5282
PRG4	-6.0774	-1.1061	-12.7369	0.0000	0.0000	8.5222
GCHFR	-2.7702	2.3720	-12.7269	0.0000	0.0000	8.5144
LRRC2	-3.3723	-2.5007	-12.7077	0.0000	0.0000	8.4994
SPDYC	-3.3666	-3.3881	-12.6984	0.0000	0.0000	8.4921
CPN1	-6.2016	0.8251	-12.6967	0.0000	0.0000	8.4908
SLC16A1	-3.5099	-1.2581	-12.6772	0.0000	0.0000	8.4755
CYP4F8	-4.9942	0.9817	-12.6770	0.0000	0.0000	8.4753
KHK	-5.2845	0.0830	-12.6476	0.0000	0.0000	8.4522
RORC	-3.6926	1.7418	-12.6416	0.0000	0.0000	8.4475
MLIP	-5.7179	-0.1844	-12.5916	0.0000	0.0000	8.4081
SCG2	3.8145	-5.3299	12.5749	0.0000	0.0000	8.3949
KIF2C	2.7574	-1.2801	12.4868	0.0000	0.0000	8.3249
HACL1	-2.1971	1.2754	-12.4305	0.0000	0.0000	8.2800
CYP2D6	-6.4738	1.3895	-12.4178	0.0000	0.0000	8.2699
CETP	-5.4484	-0.3964	-12.4141	0.0000	0.0000	8.2669
CLEC3B	-2.8437	1.4710	-12.3973	0.0000	0.0000	8.2534
ABCA8	-4.5085	-0.7771	-12.3891	0.0000	0.0000	8.2468
DAK	-3.2255	1.0901	-12.3240	0.0000	0.0000	8.1944
RHPN1	3.0101	-1.7720	12.3054	0.0000	0.0000	8.1794
CENPF	3.1625	-1.1557	12.2925	0.0000	0.0000	8.1689
ALDH5A1	-3.1556	2.3411	-12.2838	0.0000	0.0000	8.1619
GLS2	-6.6240	0.1390	-12.2788	0.0000	0.0000	8.1578
RAB25	5.0931	-0.8475	12.2653	0.0000	0.0000	8.1469
CNTFR	-5.2669	-5.2091	-12.2625	0.0000	0.0000	8.1446
PHYHD1	-4.1614	-0.2448	-12.2578	0.0000	0.0000	8.1408
ARSF	-5.6935	-3.8477	-12.2347	0.0000	0.0000	8.1220
KLC3	3.8648	-2.0922	12.2269	0.0000	0.0000	8.1157
PPAP2C	5.0662	1.0486	12.2245	0.0000	0.0000	8.1137
SULT1E1	-3.8758	0.0069	-12.1736	0.0000	0.0000	8.0722
COX6A2	-4.9618	-0.5014	-12.1540	0.0000	0.0000	8.0561
S100A11	3.6093	3.1326	12.1359	0.0000	0.0000	8.0413

ALDH2	-4.2595	2.5963	-12.1113	0.0000	0.0000	8.0211
TMEM65	2.1882	0.6350	12.0995	0.0000	0.0000	8.0114
S100A6	3.6263	2.6071	12.0892	0.0000	0.0000	8.0029
COL1A1	3.7642	2.2889	12.0563	0.0000	0.0000	7.9758
SLC25A20	-3.0522	1.8697	-12.0326	0.0000	0.0000	7.9562
SLC17A2	-6.3380	-0.2931	-12.0217	0.0000	0.0000	7.9472
ATF5	-2.7362	2.7490	-12.0029	0.0000	0.0000	7.9316
FAM99A	-4.1353	-0.4657	-12.0016	0.0000	0.0000	7.9306
RGN	-4.6029	1.6885	-11.9068	0.0000	0.0000	7.8516
TPPP2	-5.1589	-1.1909	-11.9007	0.0000	0.0000	7.8465
HAO2	-6.7401	0.4682	-11.8616	0.0000	0.0000	7.8137
CFHR4	-5.3628	1.9977	-11.8612	0.0000	0.0000	7.8134
TDO2	-5.0926	1.8644	-11.8545	0.0000	0.0000	7.8078
SERPINF1	-2.9723	3.7673	-11.7812	0.0000	0.0000	7.7459
B4GALNT4	3.3074	-2.4199	11.7798	0.0000	0.0000	7.7448
TRIM45	3.0030	-1.7014	11.7767	0.0000	0.0000	7.7422
COL1A2	3.5454	3.1577	11.7753	0.0000	0.0000	7.7410
HS3ST3B1	-3.9800	0.2418	-11.7123	0.0000	0.0000	7.6876
ABCC11	-4.3005	-4.7503	-11.7017	0.0000	0.0000	7.6786
ANXA10	-5.0601	1.7446	-11.6951	0.0000	0.0000	7.6730
KIF23	2.9948	-1.1656	11.6691	0.0000	0.0000	7.6508
PLIN1	-5.3937	-2.3000	-11.6538	0.0000	0.0000	7.6377
ENPP3	-4.4447	-2.8253	-11.6203	0.0000	0.0000	7.6090
KMO	-4.5121	1.2023	-11.5455	0.0000	0.0000	7.5448
C1orf151-NBL1	2.7754	2.1339	11.5322	0.0000	0.0000	7.5333
CREB3L3	-4.2961	3.3847	-11.5215	0.0000	0.0000	7.5240
LOC728148	-4.4284	-5.5552	-11.4651	0.0000	0.0000	7.4752
LTBP2	3.3149	0.8568	11.4499	0.0000	0.0000	7.4620
YWHAZ	2.1243	3.1724	11.4099	0.0000	0.0000	7.4271
BUB1B	2.7788	-1.1840	11.4046	0.0000	0.0000	7.4225
MUPCDH	-5.0949	1.1167	-11.3764	0.0000	0.0000	7.3979
STAB2	-4.7959	-0.0008	-11.3746	0.0000	0.0000	7.3963
EPHX2	-4.2952	2.8622	-11.3417	0.0000	0.0000	7.3675
SLC39A5	-4.2153	2.6649	-11.3331	0.0000	0.0000	7.3600
MLXIPL	-4.3339	0.3472	-11.3215	0.0000	0.0000	7.3498
NXF3	-3.5698	-2.4444	-11.3030	0.0000	0.0000	7.3335
ALPL	-2.8791	0.2519	-11.2872	0.0000	0.0000	7.3195
TSL	-4.4695	-4.0060	-11.2569	0.0000	0.0000	7.2928
LYVE1	-4.0327	0.0151	-11.2445	0.0000	0.0000	7.2818
GPT	-4.0104	0.4279	-11.1834	0.0000	0.0000	7.2276
FAH	-3.0150	3.2150	-11.1681	0.0000	0.0000	7.2140
GCLC	-2.5679	1.0167	-11.1500	0.0000	0.0000	7.1979
ELOVL6	-2.8259	1.0592	-11.1400	0.0000	0.0000	7.1889

PCSK6	-3.8658	0.5719	-11.1389	0.0000	0.0000	7.1879
UROC1	-5.9517	-0.4714	-11.1277	0.0000	0.0000	7.1779
TPMT	-2.3098	0.8005	-11.1154	0.0000	0.0000	7.1670
PROKR2	-2.6417	-5.2750	-11.1051	0.0000	0.0000	7.1577
CHRNA5	3.0772	-3.1937	11.0889	0.0000	0.0000	7.1432
PCK2	-4.1628	0.5552	-11.0875	0.0000	0.0000	7.1419
AOX1	-4.9001	2.6313	-11.0753	0.0000	0.0000	7.1310
DHRS4L2	-2.2766	2.8258	-11.0750	0.0000	0.0000	7.1307
SLC47A1	-4.0946	0.8823	-11.0547	0.0000	0.0000	7.1125
SHE	-2.6564	-3.2956	-11.0459	0.0000	0.0000	7.1045
NHLH1	2.1552	-6.7377	11.0379	0.0000	0.0000	7.0974
ANGPTL3	-5.2605	1.3772	-11.0213	0.0000	0.0000	7.0824
LOC100130232	-4.1138	-3.5433	-11.0004	0.0000	0.0000	7.0635
BCKDHB	-3.3799	0.2870	-10.9789	0.0000	0.0000	7.0441
SLC13A3	-3.2794	-1.2850	-10.9471	0.0000	0.0000	7.0152
DHRS1	-2.8197	2.6649	-10.9413	0.0000	0.0000	7.0100
MGC88374	-6.0181	-2.8917	-10.9129	0.0000	0.0000	6.9842
MT1G	-4.4289	2.8574	-10.9051	0.0000	0.0000	6.9770
TMEM55A	2.3878	1.0467	10.8963	0.0000	0.0000	6.9690
COL4A2	3.4261	3.1277	10.8961	0.0000	0.0000	6.9688
LOC388503	-6.1845	1.9890	-10.8750	0.0000	0.0000	6.9495
ALDOA	2.5085	3.9350	10.8620	0.0000	0.0000	6.9377
LDHD	-4.4001	0.8562	-10.8355	0.0000	0.0000	6.9133
ACY3	-4.2961	-2.4647	-10.8262	0.0000	0.0000	6.9049
NOX4	4.1972	-3.3211	10.8106	0.0000	0.0000	6.8905
SPHK1	3.0751	1.7289	10.7585	0.0000	0.0000	6.8425
TMC4	4.7503	0.5348	10.7285	0.0000	0.0000	6.8148
ADRB2	-3.0935	0.8070	-10.7247	0.0000	0.0000	6.8113
ACSM3	-4.5438	1.1230	-10.7247	0.0000	0.0000	6.8112
KRT19	4.4827	2.4149	10.6860	0.0000	0.0000	6.7753
B3GNT5	3.0019	-0.1559	10.6841	0.0000	0.0000	6.7736
AKR1CL1	-5.8309	-3.6259	-10.6736	0.0000	0.0000	6.7638
C18orf18	-2.3351	-0.4812	-10.6609	0.0000	0.0000	6.7520
SORT1	3.2268	1.0015	10.6573	0.0000	0.0000	6.7486
ALDH1L1	-5.0164	1.9756	-10.6525	0.0000	0.0000	6.7442
CFHR5	-5.8056	-0.9331	-10.6297	0.0000	0.0000	6.7229
PTTG1	2.2563	0.5452	10.6272	0.0000	0.0000	6.7206
ACOT1	-2.4945	2.0006	-10.6112	0.0000	0.0000	6.7056
PKLR	-3.6967	0.4738	-10.6086	0.0000	0.0000	6.7032
TSPAN7	-3.5344	0.4843	-10.5826	0.0000	0.0000	6.6788
AGMAT	-4.3523	0.7460	-10.5615	0.0000	0.0000	6.6591
SLC2A2	-5.4692	0.9513	-10.5358	0.0000	0.0000	6.6348
ENPEP	-3.4844	-1.8519	-10.5284	0.0000	0.0000	6.6279

CYP4F12	-4.7719	0.7510	-10.5170	0.0000	0.0000	6.6171
BDH1	-4.3157	0.8443	-10.4766	0.0000	0.0000	6.5789
SLC9B2	-3.4669	0.6728	-10.4594	0.0000	0.0000	6.5626
FES	-1.9588	-0.6059	-10.4490	0.0000	0.0000	6.5527
CCL15	-3.9823	2.1076	-10.4380	0.0000	0.0000	6.5423
ADHFE1	-3.8282	0.2687	-10.4363	0.0000	0.0000	6.5407
GLUD2	-2.1197	3.2009	-10.4313	0.0000	0.0000	6.5360
HOPX	1.8519	-2.0446	10.4299	0.0000	0.0000	6.5346
TPM4	2.1598	2.5421	10.4057	0.0000	0.0000	6.5116
FMO5	-5.0985	1.8202	-10.4032	0.0000	0.0000	6.5092
SLC6A12	-5.6472	-1.4520	-10.4000	0.0000	0.0000	6.5062
PLXDC1	3.1726	-1.6726	10.3679	0.0000	0.0000	6.4755
ARL4D	-3.1767	-1.5912	-10.3609	0.0000	0.0000	6.4688
AMHR2	-3.8162	-3.3474	-10.3609	0.0000	0.0000	6.4688
BBOX1	-4.1941	1.2603	-10.3592	0.0000	0.0000	6.4672
TNFRSF21	2.5556	2.2857	10.3521	0.0000	0.0000	6.4604
PC	-3.7782	1.8550	-10.3406	0.0000	0.0000	6.4494
LAMC1	2.5396	2.2664	10.3275	0.0000	0.0000	6.4368
ENPP1	-3.5274	1.3673	-10.3236	0.0000	0.0000	6.4331
C4orf7	4.9335	-1.6161	10.2837	0.0000	0.0000	6.3947
UCHL1	2.8104	-1.1280	10.2826	0.0000	0.0000	6.3937
LGSN	-5.5374	-2.8495	-10.2619	0.0000	0.0000	6.3737
PTH1R	-2.9884	-3.7110	-10.2592	0.0000	0.0000	6.3710
LPAR2	2.8706	-0.3043	10.2387	0.0000	0.0000	6.3512
OLFML2B	2.5615	-0.8218	10.2351	0.0000	0.0000	6.3478
SYT10	-3.6796	-6.1713	-10.2327	0.0000	0.0000	6.3455
COMP	5.2783	1.2971	10.2268	0.0000	0.0000	6.3398
BMP8A	2.9423	-1.9042	10.2232	0.0000	0.0000	6.3362
ANXA2P3	3.0181	2.6927	10.2109	0.0000	0.0000	6.3244
KCNK17	-4.0521	-3.0119	-10.2051	0.0000	0.0000	6.3187
LDOC1	2.8353	1.7364	10.1794	0.0000	0.0000	6.2938
PTGR1	-2.6691	2.1494	-10.1789	0.0000	0.0000	6.2933
ITGA2	4.5291	-1.3397	10.1659	0.0000	0.0000	6.2806
FAM83B	5.4992	-3.8550	10.1609	0.0000	0.0000	6.2757
HMGCLL1	-3.1862	-3.2307	-10.1575	0.0000	0.0000	6.2724
TDRD10	-3.3019	-3.4526	-10.1409	0.0000	0.0000	6.2562
NR1I2	-7.3343	-1.3489	-10.1372	0.0000	0.0000	6.2526
DBN1	3.1508	0.6837	10.1331	0.0000	0.0000	6.2486
SLC6A1	-5.3803	-0.1535	-10.1180	0.0000	0.0000	6.2339
CYP2B6	-2.3158	3.0140	-10.1020	0.0000	0.0000	6.2182
IVD	-2.0621	2.4531	-10.0777	0.0000	0.0000	6.1944
PRC1	2.5334	-0.1091	10.0646	0.0000	0.0000	6.1815
AGMO	-4.4421	1.1305	-10.0629	0.0000	0.0000	6.1799

CTH	-3.7081	1.2772	-10.0591	0.0000	0.0000	6.1762
HIST1H2BJ	1.9459	3.3898	10.0521	0.0000	0.0001	6.1692
ABAT	-3.0968	-1.0768	-10.0426	0.0000	0.0001	6.1599
LOC100507203	-5.7062	0.1361	-10.0402	0.0000	0.0001	6.1575
SLC24A5	2.5904	0.6022	10.0288	0.0000	0.0001	6.1463
TRIM55	-5.6776	-2.2871	-10.0208	0.0000	0.0001	6.1384
NOTCH3	2.9392	1.7019	10.0176	0.0000	0.0001	6.1352
NPTX1	4.6244	-2.4624	10.0160	0.0000	0.0001	6.1337
C2orf56	-3.5183	1.9022	-10.0105	0.0000	0.0001	6.1282
DHODH	-3.3729	1.4596	-9.9839	0.0000	0.0001	6.1019
MOGAT2	-7.0177	-2.3769	-9.9801	0.0000	0.0001	6.0981
C7orf58	-2.8084	-2.7955	-9.9753	0.0000	0.0001	6.0935
EDA2R	3.2138	-2.4882	9.9684	0.0000	0.0001	6.0866
DGAT2	-4.7476	0.3507	-9.9667	0.0000	0.0001	6.0849
MPPED1	-3.7290	-1.8567	-9.9595	0.0000	0.0001	6.0778
GPLD1	-4.0415	-2.6033	-9.9535	0.0000	0.0001	6.0718
HMGN4	1.5650	2.0229	9.9391	0.0000	0.0001	6.0575
TIMD4	-3.8449	-0.7694	-9.9338	0.0000	0.0001	6.0523
TMEM54	2.5626	0.6033	9.9230	0.0000	0.0001	6.0415
SRD5A2	-5.4959	1.1090	-9.9001	0.0000	0.0001	6.0186
CFHR1	-5.3264	2.2216	-9.8957	0.0000	0.0001	6.0143
SOAT2	-4.2024	-5.2952	-9.8876	0.0000	0.0001	6.0062
MGP	3.2816	1.5902	9.8863	0.0000	0.0001	6.0049
AK057355	-3.3235	-5.9959	-9.8805	0.0000	0.0001	5.9991
FOXA3	-2.9436	0.2668	-9.8800	0.0000	0.0001	5.9986
PYGL	-2.5233	3.1272	-9.8705	0.0000	0.0001	5.9891
XAGE3	-3.0434	-2.6228	-9.8582	0.0000	0.0001	5.9767
IL33	-3.0612	1.4512	-9.8566	0.0000	0.0001	5.9752
ASPA	-3.8946	-1.1003	-9.8565	0.0000	0.0001	5.9751
PLAT	3.2217	1.3873	9.8481	0.0000	0.0001	5.9666
GAMT	-2.7182	3.9281	-9.8391	0.0000	0.0001	5.9577
LOC643037	-4.3955	-3.6549	-9.8169	0.0000	0.0001	5.9354
ADI1	-2.4875	3.0155	-9.8093	0.0000	0.0001	5.9277
ACAA2	-2.6534	3.2668	-9.8092	0.0000	0.0001	5.9276
HSD17B13	-4.6117	1.5864	-9.8054	0.0000	0.0001	5.9238
DSG2	2.7251	1.8920	9.8010	0.0000	0.0001	5.9193
CFL2	-3.0516	-0.1686	-9.7753	0.0000	0.0001	5.8934
ECT2	2.7117	-1.4388	9.7740	0.0000	0.0001	5.8922
RNASE4	-3.4541	2.9971	-9.7715	0.0000	0.0001	5.8896
SPINT1	4.4666	-1.0822	9.7564	0.0000	0.0001	5.8744
MAN1C1	-3.0071	0.2645	-9.7435	0.0000	0.0001	5.8613
PDPN	4.3227	-1.9082	9.7365	0.0000	0.0001	5.8542
RDH5	-4.6582	1.6731	-9.7238	0.0000	0.0001	5.8414

OXT	-3.9297	0.5337	-9.7182	0.0000	0.0001	5.8356
ECHDC2	-2.3524	2.7086	-9.7113	0.0000	0.0001	5.8287
SLC6A13	-5.0164	-1.6608	-9.7050	0.0000	0.0001	5.8223
FLJ43339	2.5375	1.7835	9.7029	0.0000	0.0001	5.8201
GPR63	2.6376	-6.1062	9.7002	0.0000	0.0001	5.8174
PCP4L1	-4.4912	-2.0574	-9.6896	0.0000	0.0001	5.8066
SLC6A16	-3.5793	-1.7367	-9.6853	0.0000	0.0001	5.8022
AADAT	-2.6089	0.9096	-9.6779	0.0000	0.0001	5.7948
ASB9	-3.5496	-0.4665	-9.6779	0.0000	0.0001	5.7948
CTXN1	2.6996	-0.5129	9.6741	0.0000	0.0001	5.7908
PFKP	3.6731	1.3648	9.6724	0.0000	0.0001	5.7891
ENST00000303697	-1.9020	-2.4580	-9.6646	0.0000	0.0001	5.7812
PRAP1	-3.9826	2.9201	-9.6610	0.0000	0.0001	5.7775
SIGLEC11	-2.4597	-2.2622	-9.6605	0.0000	0.0001	5.7770
GSDMC	2.2319	-6.4958	9.6578	0.0000	0.0001	5.7742
SLC35D1	-2.8710	0.4395	-9.6561	0.0000	0.0001	5.7725
PTPN13	2.7273	0.7467	9.6474	0.0000	0.0001	5.7637
SHISA2	5.4380	-3.2192	9.6407	0.0000	0.0001	5.7568
SHMT1	-2.6326	-1.5342	-9.6375	0.0000	0.0001	5.7535
COL4A1	3.1790	2.9388	9.6315	0.0000	0.0001	5.7474
NAT2	-6.0321	-0.1614	-9.6284	0.0000	0.0001	5.7442
LIPC	-5.3855	1.5073	-9.6283	0.0000	0.0001	5.7441
PBLD	-3.7688	-1.7170	-9.6248	0.0000	0.0001	5.7405
PINX1	-1.9240	0.6493	-9.6196	0.0000	0.0001	5.7352
N4BP2L1	-2.1228	-1.0552	-9.5987	0.0000	0.0001	5.7138
ANXA2P1	2.7768	2.2332	9.5861	0.0000	0.0001	5.7008
CFHR2	-4.7783	2.2117	-9.5850	0.0000	0.0001	5.6998
SPDYE4	-2.8091	-5.3670	-9.5835	0.0000	0.0001	5.6982
EPN3	5.6602	-2.4823	9.5824	0.0000	0.0001	5.6971
THRSP	-6.2152	0.2405	-9.5738	0.0000	0.0001	5.6883
C1orf198	2.6639	2.6531	9.5496	0.0000	0.0001	5.6633
TGFB2	3.6104	-0.1941	9.5463	0.0000	0.0001	5.6599
ECM2	-2.3687	-0.9494	-9.5350	0.0000	0.0001	5.6482
OR1E1	-3.6636	-4.0746	-9.5319	0.0000	0.0001	5.6451
FKSG30	1.9700	4.4733	9.5307	0.0000	0.0001	5.6438
LAMC2	4.2681	0.5484	9.5240	0.0000	0.0001	5.6369
PRRX1	3.6350	-0.1768	9.4913	0.0000	0.0001	5.6031
SPRR2F	-3.2256	-2.9655	-9.4853	0.0000	0.0001	5.5969
CTNNA3	-4.5286	-4.2296	-9.4777	0.0000	0.0001	5.5890
LOC100129213	-2.9458	-3.5807	-9.4676	0.0000	0.0001	5.5785
FGGY	-3.1656	1.3578	-9.4565	0.0000	0.0001	5.5670
DNAJB3	-3.7192	-5.0137	-9.4531	0.0000	0.0001	5.5635
GLUD1	-2.1188	3.2018	-9.4475	0.0000	0.0001	5.5577

GLS	1.9433	-0.3428	9.4440	0.0000	0.0001	5.5540
DGKI	3.0773	-5.6298	9.4426	0.0000	0.0001	5.5526
CES1	-5.3600	2.2065	-9.4419	0.0000	0.0001	5.5518
HAAO	-2.7774	-0.9243	-9.4315	0.0000	0.0001	5.5410
HRSP12	-3.6352	2.4003	-9.4310	0.0000	0.0001	5.5405
SPIC	-4.0920	-1.3585	-9.4161	0.0000	0.0001	5.5249
TMED3	2.6031	2.2017	9.4151	0.0000	0.0001	5.5239
SPRR2E	-3.0421	-2.9326	-9.4148	0.0000	0.0001	5.5236
PHYH	-3.4750	2.7782	-9.4145	0.0000	0.0001	5.5232
TMSB10	3.4037	3.8380	9.4119	0.0000	0.0001	5.5205
IGFBP2	-3.0163	2.3993	-9.3885	0.0000	0.0001	5.4961
TEK	-1.9960	-0.4576	-9.3751	0.0000	0.0001	5.4821
PTTG2	2.2103	0.0293	9.3735	0.0000	0.0001	5.4804
APOB	-3.1435	0.2702	-9.3649	0.0000	0.0001	5.4714
ENTPD8	-2.4757	0.4126	-9.3490	0.0000	0.0001	5.4547
HAGH	-2.5882	1.6462	-9.3479	0.0000	0.0001	5.4536
C1RL	-2.0791	0.7419	-9.3439	0.0000	0.0001	5.4494
THY1	3.3762	2.3201	9.3353	0.0000	0.0001	5.4403
PLP2	2.9444	2.2105	9.3170	0.0000	0.0001	5.4211
TM7SF2	-4.1710	-0.3288	-9.3108	0.0000	0.0001	5.4145
ANXA2	2.8336	2.0796	9.3005	0.0000	0.0001	5.4037
SYT9	-4.8415	-5.2019	-9.2997	0.0000	0.0001	5.4028
ADRA2B	-3.5774	-1.4857	-9.2942	0.0000	0.0001	5.3971
ANXA5	2.4439	3.7632	9.2875	0.0000	0.0001	5.3900
SOX9	2.8733	1.2267	9.2801	0.0000	0.0001	5.3822
ITLN1	-6.2688	-1.5378	-9.2587	0.0000	0.0001	5.3596
MAP9	2.8875	-0.9390	9.2581	0.0000	0.0001	5.3589
HIST1H2BL	1.7646	4.2988	9.2507	0.0000	0.0001	5.3510
ALAS1	-2.7532	2.3783	-9.2263	0.0000	0.0001	5.3252
PTP4A3	2.2777	-0.8298	9.2228	0.0000	0.0001	5.3214
ABHD6	-3.7887	1.0336	-9.2212	0.0000	0.0001	5.3197
SLC25A6	1.7823	2.9594	9.2212	0.0000	0.0001	5.3197
LOC100508384	-2.7080	-3.1766	-9.2183	0.0000	0.0001	5.3166
NECAB2	-5.6926	-2.5852	-9.2163	0.0000	0.0001	5.3146
PEX11A	-2.7344	-0.5194	-9.1978	0.0000	0.0001	5.2949
ARHGEF38	3.2319	-4.7098	9.1718	0.0000	0.0001	5.2672
PGM1	-1.5572	3.4561	-9.1682	0.0000	0.0001	5.2634
C11orf93	3.9365	-3.0366	9.1606	0.0000	0.0001	5.2552
LOC728290	-4.8864	-3.0144	-9.1574	0.0000	0.0001	5.2518
CDK1	2.6352	-0.3599	9.1550	0.0000	0.0001	5.2493
TCP10	-3.9529	-0.7101	-9.1322	0.0000	0.0001	5.2248
TMEM61	4.3032	-1.8420	9.1266	0.0000	0.0001	5.2188
NDC80	1.9438	-0.5230	9.1263	0.0000	0.0001	5.2185

SLC16A3	2.9494	1.6676	9.1242	0.0000	0.0001	5.2163
ACAT1	-3.2763	2.2381	-9.1198	0.0000	0.0001	5.2115
ABCG8	-5.4674	0.4629	-9.1069	0.0000	0.0001	5.1977
AVPR1A	-6.8203	-4.1161	-9.0953	0.0000	0.0001	5.1852
APOC1	-4.6858	2.8123	-9.0937	0.0000	0.0001	5.1835
BIRC5	2.5675	-0.0654	9.0937	0.0000	0.0001	5.1835
IGF1	-2.9520	0.7905	-9.0881	0.0000	0.0001	5.1775
NDST3	-5.0756	-3.3974	-9.0800	0.0000	0.0001	5.1687
STK39	2.8264	0.4145	9.0727	0.0000	0.0001	5.1609
C8orf68	-2.2257	-6.7697	-9.0676	0.0000	0.0001	5.1554
INSIG1	-3.6038	1.0935	-9.0379	0.0000	0.0001	5.1234
CYP17A1	-3.1264	-2.4387	-9.0329	0.0000	0.0001	5.1179
MCC	-1.9663	-0.4642	-9.0216	0.0000	0.0001	5.1057
CRYGC	-1.9247	-3.2200	-9.0206	0.0000	0.0001	5.1046
CBS	-3.4473	2.0202	-9.0186	0.0000	0.0001	5.1025
PPP1R14C	4.4283	-3.7929	9.0118	0.0000	0.0001	5.0951
GNE	-2.6143	2.5353	-9.0061	0.0000	0.0001	5.0889
BICD1	3.1713	-4.4534	9.0038	0.0000	0.0001	5.0864
COL6A6	-4.4251	-4.2465	-8.9923	0.0000	0.0001	5.0739
DHRS4L1	-2.3118	1.5505	-8.9898	0.0000	0.0001	5.0712
CDH5	-1.6319	-0.5970	-8.9856	0.0000	0.0001	5.0666
CORIN	2.1254	-2.8715	8.9824	0.0000	0.0001	5.0632
PKP3	4.4972	0.2066	8.9807	0.0000	0.0001	5.0614
NOTUM	-4.3844	-5.6173	-8.9801	0.0000	0.0001	5.0607
CAPN2	2.0288	2.2290	8.9725	0.0000	0.0001	5.0524
AQP7P2	-4.6030	-1.7837	-8.9627	0.0000	0.0001	5.0417
F7	-2.2804	4.2656	-8.9554	0.0000	0.0001	5.0339
ZNF1-AS1	1.6695	3.0294	8.9532	0.0000	0.0001	5.0314
CEP55	2.5197	-1.1301	8.9502	0.0000	0.0001	5.0281
DMKN	3.5730	-0.3285	8.9447	0.0000	0.0001	5.0222
ACAN	2.2016	-2.9506	8.9308	0.0000	0.0001	5.0070
SHF	-3.9570	-3.0875	-8.9257	0.0000	0.0001	5.0014
TXNRD2	-2.0810	-0.4655	-8.9115	0.0000	0.0001	4.9858
ANTXR1	3.1200	0.7003	8.8985	0.0000	0.0001	4.9717
TANC2	3.0401	-0.5249	8.8871	0.0000	0.0001	4.9592
UBE2C	2.9800	-0.7219	8.8860	0.0000	0.0001	4.9580
ITCH	-2.3760	-1.6331	-8.8835	0.0000	0.0001	4.9552
MFSD2A	-4.4579	-0.8715	-8.8773	0.0000	0.0001	4.9484
SOX4	3.4680	2.0990	8.8676	0.0000	0.0001	4.9378
ORM2	-4.7031	2.4743	-8.8631	0.0000	0.0001	4.9328
SFXN2	-1.7684	-0.0622	-8.8598	0.0000	0.0001	4.9291
DNAI1	-3.7587	-4.3629	-8.8365	0.0000	0.0001	4.9036
FLJ42289	-3.6371	-3.2721	-8.8364	0.0000	0.0001	4.9035

FCAMR	-3.9194	-3.8916	-8.8292	0.0000	0.0001	4.8955
SS18L1	-2.0264	0.6346	-8.8281	0.0000	0.0001	4.8943
TM6SF2	-4.2529	-1.1398	-8.8103	0.0000	0.0001	4.8746
SDS	-4.5011	2.8423	-8.8044	0.0000	0.0001	4.8682
ETNK2	-4.3560	-0.5219	-8.8036	0.0000	0.0001	4.8673
SLC27A2	-5.4115	2.3155	-8.7732	0.0000	0.0001	4.8336
SLC7A2	-4.7056	1.6791	-8.7654	0.0000	0.0001	4.8250
WDR23	-2.2759	1.5665	-8.7575	0.0000	0.0001	4.8161
PGA3	-2.6952	-3.8288	-8.7555	0.0000	0.0001	4.8140
VIM	2.5722	4.2302	8.7549	0.0000	0.0001	4.8133
GPNPAT1	-1.6625	2.9523	-8.7528	0.0000	0.0001	4.8110
EPHX1	-3.3793	2.8518	-8.7526	0.0000	0.0001	4.8107
C21orf56	2.1358	-0.6093	8.7485	0.0000	0.0001	4.8062
LOC100128993	-2.0895	-5.5754	-8.7416	0.0000	0.0001	4.7985
DEPDC1	2.7428	-4.1462	8.7387	0.0000	0.0001	4.7953
UBE2T	2.5042	-1.2654	8.7344	0.0000	0.0001	4.7905
IL1RAP	-2.7702	1.1135	-8.7344	0.0000	0.0001	4.7905
PDGFD	3.4546	-0.5825	8.7307	0.0000	0.0001	4.7864
FZD6	2.9952	0.7920	8.7254	0.0000	0.0001	4.7805
PDP1	1.7176	0.5615	8.7222	0.0000	0.0001	4.7769
MGC4677	3.2627	2.4766	8.7200	0.0000	0.0001	4.7744
tAKR	-4.0628	-6.0955	-8.6954	0.0000	0.0001	4.7471
FGB	-5.1890	1.6557	-8.6808	0.0000	0.0001	4.7307
GJB2	-4.3817	-0.5017	-8.6739	0.0000	0.0001	4.7230
OR6Q1	-1.7787	-3.5957	-8.6730	0.0000	0.0001	4.7219
KIAA1727	4.2661	-5.0372	8.6668	0.0000	0.0001	4.7150
LAMB3	3.0212	1.2399	8.6576	0.0000	0.0001	4.7048
NSUN6	-2.3333	2.0273	-8.6564	0.0000	0.0001	4.7034
NKIRAS1	-2.1206	-0.1566	-8.6428	0.0000	0.0001	4.6882
MT1H	-3.5815	2.6773	-8.6396	0.0000	0.0001	4.6846
MT1F	-3.0459	3.4698	-8.6381	0.0000	0.0001	4.6829
GIPR	-3.5660	-2.6199	-8.6378	0.0000	0.0001	4.6825
ACY1	-2.3913	3.5540	-8.6321	0.0000	0.0001	4.6762
CDC37L1	-2.1022	0.9647	-8.6311	0.0000	0.0001	4.6750
PPP1R14B	1.7473	1.7662	8.6044	0.0000	0.0001	4.6449
ADRA2C	2.6032	0.9004	8.6004	0.0000	0.0001	4.6404
MGMT	-2.2057	2.8501	-8.6002	0.0000	0.0001	4.6403
TSGA14	1.8517	-0.8123	8.5988	0.0000	0.0001	4.6386
GC	-4.4362	3.1879	-8.5892	0.0000	0.0002	4.6278
PPP2R3A	2.2301	-0.5068	8.5819	0.0000	0.0002	4.6196
CD24	3.5733	2.1600	8.5817	0.0000	0.0002	4.6193
SLC22A9	-3.9096	0.0114	-8.5747	0.0000	0.0002	4.6115
UGT2B7	-4.5589	0.4913	-8.5723	0.0000	0.0002	4.6088

TOP2A	2.7345	0.1156	8.5699	0.0000	0.0002	4.6060
EXOC3L4	-4.7262	-0.6342	-8.5688	0.0000	0.0002	4.6048
KCNJ8	-3.4607	1.1232	-8.5654	0.0000	0.0002	4.6010
ZNF385B	-6.3136	-2.7920	-8.5645	0.0000	0.0002	4.5999
ABCC1	2.2496	-1.3819	8.5637	0.0000	0.0002	4.5990
COL15A1	4.3267	-0.6744	8.5626	0.0000	0.0002	4.5977
UGT1A6	-4.7081	2.5225	-8.5588	0.0000	0.0002	4.5935
GFRA2	-2.8832	-0.5386	-8.5582	0.0000	0.0002	4.5928
JAG1	2.7662	1.6775	8.5515	0.0000	0.0002	4.5853
LRRC16B	-3.2923	-2.7789	-8.5457	0.0000	0.0002	4.5787
H2AFZ	1.7773	3.4095	8.5454	0.0000	0.0002	4.5783
HSDL2	-1.8535	3.4091	-8.5447	0.0000	0.0002	4.5775
ANGPTL6	-3.0825	0.6387	-8.5305	0.0000	0.0002	4.5614
44621	-2.3438	0.6773	-8.5283	0.0000	0.0002	4.5589
ABCA5	-2.7153	0.5057	-8.5216	0.0000	0.0002	4.5513
LOC100129119	-1.8839	-3.6580	-8.5182	0.0000	0.0002	4.5474
PHLDA3	2.5529	0.3811	8.5180	0.0000	0.0002	4.5473
ITIH4	-1.8812	4.6066	-8.5169	0.0000	0.0002	4.5459
PPP1R9A	3.4666	-1.4830	8.5164	0.0000	0.0002	4.5454
ATP1B3	1.7572	2.3446	8.5151	0.0000	0.0002	4.5440
LRRC49	1.9514	-1.2033	8.5137	0.0000	0.0002	4.5423
ANGPTL4	-2.6927	2.7958	-8.5045	0.0000	0.0002	4.5319
KRT19P2	3.9490	-0.9583	8.4966	0.0000	0.0002	4.5229
ATP7B	-2.8641	-0.2420	-8.4930	0.0000	0.0002	4.5187
DTL	2.5830	-0.8977	8.4885	0.0000	0.0002	4.5137
MPST	-1.8792	3.4643	-8.4844	0.0000	0.0002	4.5090
MMP11	4.1438	1.6196	8.4757	0.0000	0.0002	4.4990
IQGAP2	-2.1018	3.7864	-8.4685	0.0000	0.0002	4.4908
DEFA4	-4.0636	-5.1066	-8.4570	0.0000	0.0002	4.4777
C6orf145	-1.9267	2.4210	-8.4529	0.0000	0.0002	4.4731
LOC441204	2.9571	-1.4674	8.4516	0.0000	0.0002	4.4715
JMJD5	-3.9264	-0.9298	-8.4470	0.0000	0.0002	4.4663
HIST1H2BC	1.5302	3.0227	8.4467	0.0000	0.0002	4.4660
SCP2	-2.6269	2.8886	-8.4459	0.0000	0.0002	4.4650
GSTZ1	-3.6618	0.5907	-8.4432	0.0000	0.0002	4.4619
FAM81A	4.1398	-3.4164	8.4431	0.0000	0.0002	4.4618
SLC25A24	1.9914	1.5431	8.4418	0.0000	0.0002	4.4603
NME1	1.4808	3.0458	8.4351	0.0000	0.0002	4.4526
COL3A1	2.3172	1.7031	8.4304	0.0000	0.0002	4.4473
COL12A1	2.5410	-0.7623	8.4137	0.0000	0.0002	4.4282
SH3BGRL2	-3.5308	-0.6583	-8.4084	0.0000	0.0002	4.4220
HIST1H2AD	1.3299	3.3636	8.4041	0.0000	0.0002	4.4171
C20orf54	4.1724	-2.5355	8.4037	0.0000	0.0002	4.4167

AFP	-5.4090	-2.1091	-8.3973	0.0000	0.0002	4.4093
SH3YL1	2.5159	0.6493	8.3967	0.0000	0.0002	4.4086
HTR1F	3.3385	-5.7188	8.3964	0.0000	0.0002	4.4083
PRSS16	3.5676	-1.6403	8.3866	0.0000	0.0002	4.3970
CTNND2	4.1887	-0.1363	8.3861	0.0000	0.0002	4.3964
ENDOD1	2.2944	1.3011	8.3837	0.0000	0.0002	4.3937
LIME1	-4.1380	-1.1366	-8.3798	0.0000	0.0002	4.3892
HIST1H2AE	1.5854	3.2605	8.3774	0.0000	0.0002	4.3865
LOXL1	2.6098	0.1604	8.3688	0.0000	0.0002	4.3765
ARMC9	1.9248	-2.0621	8.3528	0.0000	0.0002	4.3581
SPINT2	3.7184	2.6580	8.3512	0.0000	0.0002	4.3562
HSD17B4	-1.5822	3.2729	-8.3462	0.0000	0.0002	4.3504
TCEAL6	1.6210	1.6154	8.3462	0.0000	0.0002	4.3504
ADH1B	-3.6293	0.9571	-8.3406	0.0000	0.0002	4.3439
LHX2	-2.5265	0.9350	-8.3339	0.0000	0.0002	4.3362
ITGA3	4.2516	1.1029	8.3329	0.0000	0.0002	4.3351
DLG3	2.4422	0.0989	8.3218	0.0000	0.0002	4.3222
CAMK2B	-2.6791	-2.5248	-8.3078	0.0000	0.0002	4.3060
APOA5	-6.2254	0.2359	-8.3057	0.0000	0.0002	4.3035
AKAP12	-2.1379	0.1968	-8.2955	0.0000	0.0002	4.2917
C5	-3.1278	3.3656	-8.2922	0.0000	0.0002	4.2879
ZBED5	1.4750	2.0748	8.2843	0.0000	0.0002	4.2788
MFSD10	2.1660	0.6441	8.2841	0.0000	0.0002	4.2785
EBP	-2.1050	3.2680	-8.2829	0.0000	0.0002	4.2770
ARL2	1.8262	1.9822	8.2812	0.0000	0.0002	4.2752
ANXA3	3.8027	1.0800	8.2745	0.0000	0.0002	4.2673
GPC4	2.7811	-0.0781	8.2693	0.0000	0.0002	4.2613
ACAD11	-2.6156	1.6861	-8.2667	0.0000	0.0002	4.2583
TPBG	2.3637	-0.4527	8.2657	0.0000	0.0002	4.2571
SLC39A14	-3.1125	1.5770	-8.2509	0.0000	0.0002	4.2399
ACOX1	-2.5748	3.1403	-8.2459	0.0000	0.0002	4.2341
NRG4	-3.2609	-3.2430	-8.2426	0.0000	0.0002	4.2302
GOT2	-2.2249	3.3664	-8.2399	0.0000	0.0002	4.2270
MFSD6	2.4109	-0.3999	8.2384	0.0000	0.0002	4.2252
SOD1	-1.8273	4.3973	-8.2359	0.0000	0.0002	4.2223
HIST1H2BG	1.7793	2.5070	8.2297	0.0000	0.0002	4.2151
POTEF	2.1344	4.5385	8.2171	0.0000	0.0002	4.2004
TMEM170B	-2.3762	-1.6975	-8.2150	0.0000	0.0002	4.1979
RPS19	1.9382	4.3987	8.2138	0.0000	0.0002	4.1965
RP3-402G11.5	-2.1473	1.2964	-8.2135	0.0000	0.0002	4.1961
PAN2	-1.5052	-0.1506	-8.2071	0.0000	0.0002	4.1887
FBXL2	2.7268	-1.3627	8.2050	0.0000	0.0002	4.1862
EPO	-4.9136	-4.3429	-8.2045	0.0000	0.0002	4.1857

ITGB8	3.9846	-1.7795	8.2016	0.0000	0.0002	4.1823
CDCA8	2.1428	-1.5612	8.1972	0.0000	0.0002	4.1771
CR992331	-2.7748	-2.0862	-8.1887	0.0000	0.0002	4.1671
TNFRSF18	2.2344	-3.8989	8.1870	0.0000	0.0002	4.1652
NCK2	1.9464	1.3095	8.1856	0.0000	0.0002	4.1635
KIF14	2.5212	-2.4187	8.1847	0.0000	0.0002	4.1624
C11orf85	-3.1993	-4.6592	-8.1738	0.0000	0.0002	4.1496
FOXF2	3.3756	-2.0889	8.1728	0.0000	0.0002	4.1485
BUB1	3.0366	-1.7071	8.1715	0.0000	0.0002	4.1469
MTUS2	-3.7576	-5.8386	-8.1659	0.0000	0.0002	4.1404
PPBP	-3.2119	-3.1533	-8.1616	0.0000	0.0002	4.1353
PROC	-4.6737	2.0136	-8.1616	0.0000	0.0002	4.1353
PEBP1	-2.4983	2.4789	-8.1609	0.0000	0.0002	4.1344
MRVI1	2.1469	0.3403	8.1524	0.0000	0.0002	4.1245
DDC	-2.6861	-2.2472	-8.1430	0.0000	0.0002	4.1134
ROBO4	-1.6859	-0.1778	-8.1408	0.0000	0.0002	4.1109
ENST00000327506	-7.0290	-3.8958	-8.1310	0.0000	0.0002	4.0992
PLIN2	-3.5337	1.5768	-8.1306	0.0000	0.0002	4.0988
BHLHB3	3.5734	-0.8147	8.1269	0.0000	0.0002	4.0944
DNAJC25	-2.6057	-0.7986	-8.1190	0.0000	0.0002	4.0851
LOC100130264	-2.2084	-1.9336	-8.1165	0.0000	0.0002	4.0822
MELK	2.9621	-1.0348	8.1084	0.0000	0.0002	4.0725
CES5AP1	-4.7995	-4.3642	-8.1068	0.0000	0.0002	4.0706
SLC28A1	-4.4735	-1.9708	-8.1064	0.0000	0.0002	4.0703
CADPS	1.9909	-3.1903	8.1041	0.0000	0.0002	4.0675
UGT1A8	-4.5546	2.4709	-8.1022	0.0000	0.0002	4.0653
MRO	-3.2629	-2.7338	-8.1011	0.0000	0.0002	4.0640
SHCBP1	2.5363	-2.0099	8.0981	0.0000	0.0002	4.0604
SHD	-5.1954	-1.6056	-8.0941	0.0000	0.0002	4.0556
C19orf80	-6.4323	0.5917	-8.0789	0.0000	0.0002	4.0377
IGFBP4	-2.2954	1.9072	-8.0785	0.0000	0.0002	4.0372
PPP1R13L	2.4219	1.0559	8.0774	0.0000	0.0002	4.0359
IDO2	-4.9526	-1.9626	-8.0740	0.0000	0.0002	4.0318
PMEPA1	3.4470	0.5879	8.0634	0.0000	0.0002	4.0193
NAV2-AS4	-2.8733	-4.4125	-8.0615	0.0000	0.0002	4.0171
ORM1	-4.4828	3.1217	-8.0552	0.0000	0.0002	4.0096
AMT	-2.8099	0.5630	-8.0484	0.0000	0.0002	4.0015
ACER1	-2.5029	-0.9776	-8.0424	0.0000	0.0002	3.9943
ECHS1	-2.5094	3.2448	-8.0357	0.0000	0.0002	3.9863
CYP4F22	-4.3781	-4.2129	-8.0349	0.0000	0.0002	3.9853
ASAP2	2.0543	0.6019	8.0296	0.0000	0.0002	3.9791
SLC17A8	-3.3742	-6.3996	-8.0293	0.0000	0.0002	3.9787
GIPC2	-3.7175	-0.2853	-8.0274	0.0000	0.0002	3.9765

NT5E	-2.6396	0.9658	-8.0242	0.0000	0.0002	3.9726
DHTKD1	-2.9135	1.8981	-8.0132	0.0000	0.0002	3.9595
TRIM47	1.8139	0.5425	8.0082	0.0000	0.0002	3.9536
CCDC4	-2.5078	-5.3904	-8.0052	0.0000	0.0002	3.9500
CUX2	-4.1808	-1.4678	-7.9962	0.0000	0.0002	3.9392
HEATR7B1	-4.2964	-4.1692	-7.9955	0.0000	0.0002	3.9384
SLITRK3	-5.6024	-2.6030	-7.9822	0.0000	0.0002	3.9224
FLJ20105	3.0433	-5.0260	7.9815	0.0000	0.0002	3.9216
VTN	-4.1486	3.2880	-7.9805	0.0000	0.0002	3.9204
CRLF1	4.2016	-2.3716	7.9804	0.0000	0.0002	3.9204
HMGCL	-2.0439	-2.0473	-7.9782	0.0000	0.0002	3.9177
HIST1H2AK	1.5031	3.4246	7.9766	0.0000	0.0002	3.9158
ARMC6	-2.1646	1.9192	-7.9746	0.0000	0.0002	3.9133
TM4SF5	-4.5217	1.9791	-7.9741	0.0000	0.0002	3.9128
SNRPD2	1.6510	3.7380	7.9718	0.0000	0.0002	3.9101
GPSM2	2.3946	-0.8367	7.9691	0.0000	0.0002	3.9068
TMEM26	-2.2687	-2.9286	-7.9663	0.0000	0.0002	3.9034
MME	-4.4973	-1.8721	-7.9532	0.0000	0.0002	3.8877
LINGO4	-3.1569	-3.1474	-7.9516	0.0000	0.0002	3.8858
LOC651275	1.8617	4.3923	7.9443	0.0000	0.0002	3.8771
PTPRB	-1.9036	-0.5757	-7.9438	0.0000	0.0002	3.8765
RARRES2	-2.9293	3.3380	-7.9437	0.0000	0.0002	3.8763
ATP6V1F	1.4477	3.3711	7.9434	0.0000	0.0002	3.8760
C1orf168	-6.3974	-3.1324	-7.9427	0.0000	0.0002	3.8752
PPARA	-3.1009	-0.1928	-7.9418	0.0000	0.0002	3.8741
ZGPAT	-3.2010	3.0182	-7.9347	0.0000	0.0003	3.8655
C2orf27A	2.0088	-1.7002	7.9321	0.0000	0.0003	3.8623
C1orf106	4.0465	-1.5262	7.9234	0.0000	0.0003	3.8519
COL5A2	2.4137	1.4060	7.9108	0.0000	0.0003	3.8367
TMEM56	-4.5386	-2.5047	-7.9079	0.0000	0.0003	3.8333
ACADS	-3.7075	0.5876	-7.9061	0.0000	0.0003	3.8310
KCND2	3.7275	-2.4359	7.8890	0.0000	0.0003	3.8105
PINK1	-1.5028	2.0218	-7.8866	0.0000	0.0003	3.8075
OLFML2A	2.1851	-1.6970	7.8823	0.0000	0.0003	3.8023
HIST1H2AH	1.5892	3.4819	7.8655	0.0000	0.0003	3.7820
C20orf149	2.1818	3.4630	7.8575	0.0000	0.0003	3.7723
TCTEX1D1	-3.2599	-3.5961	-7.8561	0.0000	0.0003	3.7707
GCH1	-3.3510	0.1997	-7.8561	0.0000	0.0003	3.7706
FRZB	2.4842	0.1480	7.8497	0.0000	0.0003	3.7629
ITSN1	-1.6287	-1.1171	-7.8483	0.0000	0.0003	3.7611
MSMO1	-2.1517	2.5222	-7.8460	0.0000	0.0003	3.7584
F8	-2.1180	1.4939	-7.8430	0.0000	0.0003	3.7547
NFIA	-2.3867	0.5274	-7.8212	0.0000	0.0003	3.7283

UNC93A	-5.8075	-2.6555	-7.8092	0.0000	0.0003	3.7137
NIPSNAP1	-1.7878	1.8945	-7.8074	0.0000	0.0003	3.7115
TNFAIP6	4.2956	-0.9416	7.8053	0.0000	0.0003	3.7089
DSTNP2	1.7133	3.2947	7.8044	0.0000	0.0003	3.7079
GCKR	-5.7873	-0.5841	-7.7928	0.0000	0.0003	3.6937
USH2A	-3.1468	-4.7617	-7.7925	0.0000	0.0003	3.6934
ALAD	-2.3129	2.2126	-7.7884	0.0000	0.0003	3.6884
LILRB5	-3.1182	-0.3160	-7.7837	0.0000	0.0003	3.6826
C2	-3.4238	2.9289	-7.7829	0.0000	0.0003	3.6817
TMEM52	-2.2720	-1.7086	-7.7817	0.0000	0.0003	3.6801
IGFBP3	-2.0697	3.5695	-7.7762	0.0000	0.0003	3.6734
GTF3C2	1.4461	2.0015	7.7747	0.0000	0.0003	3.6716
AOX2P	-2.5604	-6.7206	-7.7711	0.0000	0.0003	3.6672
RSPO3	-2.6520	-0.3201	-7.7705	0.0000	0.0003	3.6665
SNORA60	-1.6547	-1.7957	-7.7701	0.0000	0.0003	3.6661
UBE2DNL	-3.6426	-5.7483	-7.7466	0.0000	0.0003	3.6372
C18orf24	2.3222	-3.3950	7.7368	0.0000	0.0003	3.6252
HHIP	-4.9079	-1.3419	-7.7359	0.0000	0.0003	3.6242
MGST1	-2.7027	2.9463	-7.7336	0.0000	0.0003	3.6214
CENPK	2.0419	-2.0161	7.7324	0.0000	0.0003	3.6199
FLJ37464	-3.6325	-2.9277	-7.7273	0.0000	0.0003	3.6136
SPARC	1.7913	3.1639	7.7230	0.0000	0.0003	3.6083
SLC4A10	-3.1713	-3.5982	-7.7198	0.0000	0.0003	3.6044
KIAA0087	-1.6978	-2.2435	-7.7195	0.0000	0.0003	3.6041
SCARB1	-2.2001	2.9285	-7.7182	0.0000	0.0003	3.6024
PRKCDBP	2.1432	2.2519	7.7120	0.0000	0.0003	3.5948
CDCA5	1.3030	-2.5435	7.7088	0.0000	0.0003	3.5908
BCHE	-5.0533	1.9903	-7.7085	0.0000	0.0003	3.5905
CES1P2	-6.2761	0.0155	-7.7066	0.0000	0.0003	3.5882
CD244	-2.8561	-2.6211	-7.7056	0.0000	0.0003	3.5869
FOXM1	1.8707	-1.9100	7.6829	0.0000	0.0003	3.5590
LOC286087	-2.1634	-4.9389	-7.6824	0.0000	0.0003	3.5584
ERLIN1	-1.8693	2.1494	-7.6823	0.0000	0.0003	3.5583
CCNB1	2.5638	-0.5935	7.6771	0.0000	0.0003	3.5519
CXCL12	-2.6602	1.1853	-7.6765	0.0000	0.0003	3.5511
PAH	-4.8231	2.0409	-7.6707	0.0000	0.0003	3.5439
AK026192	-3.4708	-1.0424	-7.6672	0.0000	0.0003	3.5396
NME2	1.6786	2.8695	7.6670	0.0000	0.0003	3.5394
DBNDD2	2.1452	1.5400	7.6587	0.0000	0.0003	3.5292
MYOF	2.3095	-1.5098	7.6554	0.0000	0.0003	3.5251
SMARCA4	1.5772	2.0492	7.6526	0.0000	0.0003	3.5215
C1QTNF4	-2.9464	0.6787	-7.6482	0.0000	0.0003	3.5162
DEFA3	-4.9453	-0.5898	-7.6426	0.0000	0.0003	3.5092

PRR5	-2.1714	-0.3895	-7.6423	0.0000	0.0003	3.5089
KCNS3	2.3690	0.7143	7.6349	0.0000	0.0003	3.4997
LOC100131796	-3.3990	-4.7868	-7.6344	0.0000	0.0003	3.4991
TUSC3	2.4312	1.6282	7.6305	0.0000	0.0003	3.4942
GRHPR	-2.1566	4.3099	-7.6278	0.0000	0.0003	3.4909
TBX15	-4.1156	-1.6837	-7.6253	0.0000	0.0003	3.4878
RPS5	2.0874	4.8186	7.6187	0.0000	0.0003	3.4796
AMN	-3.5461	-0.1303	-7.6165	0.0000	0.0003	3.4769
SEC16B	-2.9254	-0.3996	-7.6028	0.0000	0.0003	3.4598
GPX3	-2.6241	2.8885	-7.5985	0.0000	0.0003	3.4545
FAM151A	-4.7591	-1.1849	-7.5956	0.0000	0.0003	3.4509
KLHL15	-1.7261	-1.0144	-7.5947	0.0000	0.0003	3.4498
PDSS2	-1.6522	0.3270	-7.5913	0.0000	0.0003	3.4456
CNTLN	-1.9292	-0.9622	-7.5785	0.0000	0.0003	3.4297
GCSH	-2.0055	2.1435	-7.5759	0.0000	0.0004	3.4264
BNIP3	-1.8199	3.4286	-7.5711	0.0000	0.0004	3.4204
ETS2	-2.5451	2.2008	-7.5634	0.0000	0.0004	3.4109
CA14	-3.3521	-2.3661	-7.5601	0.0000	0.0004	3.4067
FLJ42280	-3.4811	-6.2138	-7.5476	0.0000	0.0004	3.3911
C11orf54	-2.0700	2.1765	-7.5312	0.0000	0.0004	3.3706
SLC34A3	2.2617	-3.8979	7.5253	0.0000	0.0004	3.3633
AY927536	1.7397	4.9274	7.5236	0.0000	0.0004	3.3612
TRPC5	-3.3636	-6.5030	-7.5138	0.0000	0.0004	3.3488
ITGAV	2.0729	1.5581	7.5133	0.0000	0.0004	3.3482
ACOT13	-1.4942	3.4426	-7.5061	0.0000	0.0004	3.3392
CES3	-2.8513	-2.9279	-7.5038	0.0000	0.0004	3.3363
ISLR	2.0187	2.3259	7.4970	0.0000	0.0004	3.3278
SORD	-4.0825	0.3971	-7.4927	0.0000	0.0004	3.3224
HIST1H2BI	1.7282	2.9263	7.4920	0.0000	0.0004	3.3214
WBP5	1.9405	2.4712	7.4918	0.0000	0.0004	3.3212
MFGE8	2.7504	0.7427	7.4805	0.0000	0.0004	3.3071
GPAM	-4.1508	-0.9699	-7.4698	0.0000	0.0004	3.2936
TPM2	2.7383	2.1302	7.4695	0.0000	0.0004	3.2933
ENTPD5	-3.7218	0.6329	-7.4642	0.0000	0.0004	3.2865
C18orf54	1.4297	-2.7705	7.4617	0.0000	0.0004	3.2834
HSD17B3	-3.1207	-3.4229	-7.4545	0.0000	0.0004	3.2743
BACE2	2.6896	1.7483	7.4398	0.0000	0.0004	3.2558
DMRTA1	-3.7676	0.0904	-7.4376	0.0000	0.0004	3.2530
KIF18A	3.4680	-4.2351	7.4366	0.0000	0.0004	3.2518
KIF11	2.2586	-0.7399	7.4363	0.0000	0.0004	3.2513
MYCT1	-1.6820	-0.4066	-7.4319	0.0000	0.0004	3.2458
HIST2H2AB	1.3480	3.4013	7.4294	0.0000	0.0004	3.2426
CCNE1	2.6138	-1.4225	7.4124	0.0000	0.0004	3.2211

KIAA0101	2.8972	0.3758	7.4079	0.0000	0.0004	3.2154
IFT80	1.6200	0.2320	7.3975	0.0000	0.0004	3.2023
MYOZ1	2.0020	-3.3406	7.3955	0.0000	0.0004	3.1998
AADAC	-5.3153	1.8841	-7.3936	0.0000	0.0004	3.1973
BTD	-2.7675	0.1698	-7.3916	0.0000	0.0004	3.1947
FGF21	-5.4513	-0.9751	-7.3878	0.0000	0.0004	3.1899
ENHO	-3.7780	-1.4307	-7.3857	0.0000	0.0004	3.1872
DKFZp779M0652	-3.1068	-0.5035	-7.3811	0.0000	0.0004	3.1815
SLC22A25	-3.6860	-2.9434	-7.3810	0.0000	0.0004	3.1813
SPRYD4	-2.4832	-0.0946	-7.3801	0.0000	0.0004	3.1802
SLC39A10	1.9926	-0.1526	7.3618	0.0000	0.0004	3.1569
FAM65C	-2.2549	-4.5782	-7.3598	0.0000	0.0004	3.1543
CDH11	2.8806	-3.2907	7.3513	0.0000	0.0004	3.1435
MT2A	-2.4702	3.8761	-7.3486	0.0000	0.0004	3.1401
CCDC123	1.5835	-1.2134	7.3482	0.0000	0.0004	3.1396
FLJ22763	-3.4512	-0.6399	-7.3435	0.0000	0.0004	3.1336
GPR98	-3.9428	-2.1157	-7.3421	0.0000	0.0004	3.1318
LCN12	-2.2516	-3.6169	-7.3399	0.0000	0.0004	3.1290
CDR1	2.9838	2.7187	7.3392	0.0000	0.0004	3.1281
HIST1H2AJ	1.5168	3.7907	7.3260	0.0000	0.0004	3.1113
UGT2B11	-4.3530	2.4794	-7.3228	0.0000	0.0005	3.1072
STARD5	-2.8004	0.8279	-7.3224	0.0000	0.0005	3.1067
SLCO1B1	-5.4910	1.4539	-7.3215	0.0000	0.0005	3.1055
RSPH10B	-2.6636	-3.3717	-7.3208	0.0000	0.0005	3.1047
HDGFRP3	2.1871	0.4791	7.3201	0.0000	0.0005	3.1037
LOC285389	-3.5065	-5.9758	-7.3141	0.0000	0.0005	3.0961
TFR2	-5.2885	0.4306	-7.3103	0.0000	0.0005	3.0912
SLC25A25	-2.4761	1.6093	-7.3043	0.0000	0.0005	3.0835
FMNL2	2.0479	0.3689	7.3022	0.0000	0.0005	3.0809
SERPINF2	-5.1885	1.5682	-7.2974	0.0000	0.0005	3.0747
LOC100130872	-2.6848	-2.8244	-7.2935	0.0000	0.0005	3.0697
HES4	2.6285	1.3380	7.2907	0.0000	0.0005	3.0661
ADRA1B	-2.6673	-0.6209	-7.2883	0.0000	0.0005	3.0630
HCN3	-3.9197	-0.9032	-7.2863	0.0000	0.0005	3.0605
RHBG	-2.5290	-1.4869	-7.2836	0.0000	0.0005	3.0571
CYP39A1	-5.1657	-0.3335	-7.2799	0.0000	0.0005	3.0522
MT1B	-2.9959	3.5484	-7.2782	0.0000	0.0005	3.0501
ACTR3	1.5853	3.2921	7.2728	0.0000	0.0005	3.0432
PCCB	-2.1862	1.6763	-7.2690	0.0000	0.0005	3.0382
RHCE	-3.5798	-4.7661	-7.2662	0.0000	0.0005	3.0347
LOC100507650	-1.7632	-5.7028	-7.2621	0.0000	0.0005	3.0295
RNF24	1.6770	-0.7205	7.2600	0.0000	0.0005	3.0268
ZDHHC13	2.4486	-1.1632	7.2488	0.0000	0.0005	3.0124

ZNF532	2.1607	-0.7439	7.2470	0.0000	0.0005	3.0100
C12orf75	3.6903	1.2757	7.2463	0.0000	0.0005	3.0091
KAT2B	-1.5656	-0.2220	-7.2412	0.0000	0.0005	3.0025
PDE3B	-3.7394	-0.5075	-7.2400	0.0000	0.0005	3.0010
CERCAM	1.6190	2.6642	7.2393	0.0000	0.0005	3.0002
SLC22A10	-6.8934	-1.0361	-7.2310	0.0000	0.0005	2.9894
CCNA2	2.2365	-0.9446	7.2295	0.0000	0.0005	2.9875
LIFR	-3.3100	0.5737	-7.2194	0.0000	0.0005	2.9745
TTPA	-3.4409	0.9170	-7.2184	0.0000	0.0005	2.9732
DMPK	1.5619	0.6285	7.2174	0.0000	0.0005	2.9719
GPD1	-2.4849	1.1381	-7.2168	0.0000	0.0005	2.9710
RPLP0	1.6634	4.6314	7.2087	0.0000	0.0005	2.9606
THBS2	2.9179	1.0549	7.2074	0.0000	0.0005	2.9590
AASS	-2.8368	0.6289	-7.2060	0.0000	0.0005	2.9572
TCEAL5	1.4463	0.7694	7.2048	0.0000	0.0005	2.9556
PPP1R1A	-3.0318	-3.4498	-7.2024	0.0000	0.0005	2.9525
ACTA2	2.2079	3.2273	7.1984	0.0000	0.0005	2.9473
SLFN12	2.2176	-1.8223	7.1982	0.0000	0.0005	2.9471
SEC14L3	-3.0620	-3.8635	-7.1980	0.0000	0.0005	2.9469
PIGS	1.3908	1.8092	7.1924	0.0000	0.0005	2.9396
XYLB	-3.2374	-1.4448	-7.1922	0.0000	0.0005	2.9393
FNDC5	-5.0192	-1.5776	-7.1887	0.0000	0.0005	2.9348
ATG2A	-1.8344	0.7090	-7.1877	0.0000	0.0005	2.9334
GPHN	-2.3398	1.4110	-7.1855	0.0000	0.0005	2.9306
ACAT2	-1.6918	2.7422	-7.1815	0.0000	0.0005	2.9255
CD302	-3.0447	2.4481	-7.1784	0.0000	0.0005	2.9214
PMEL	-2.5623	-1.0803	-7.1768	0.0000	0.0005	2.9193
LNP1	-1.7900	-1.2594	-7.1669	0.0000	0.0005	2.9065
H2AFY	1.6334	2.7592	7.1605	0.0000	0.0005	2.8983
VEPH1	4.4004	-1.0197	7.1567	0.0000	0.0005	2.8933
ESYT3	2.1688	-2.8951	7.1558	0.0000	0.0005	2.8921
KCNJ10	-3.9457	-2.4903	-7.1488	0.0000	0.0005	2.8830
TAX1BP3	2.5734	1.6904	7.1487	0.0000	0.0005	2.8829
DDT	-2.1395	1.5527	-7.1467	0.0000	0.0005	2.8803
ACVR1C	-3.1989	-3.4953	-7.1404	0.0000	0.0005	2.8722
GAL3ST4	2.5896	-3.1035	7.1346	0.0000	0.0005	2.8646
TSPAN11	-2.5339	-1.7449	-7.1328	0.0000	0.0005	2.8622
SFRP4	5.2256	-3.1004	7.1227	0.0000	0.0005	2.8491
RELL2	1.3890	-0.9098	7.1149	0.0000	0.0005	2.8389
SLC25A15	-3.6624	0.6416	-7.1144	0.0000	0.0005	2.8383
OSBPL6	-2.7174	-0.7971	-7.1109	0.0000	0.0005	2.8337
ASGR2	-4.4864	2.3268	-7.1096	0.0000	0.0005	2.8320
FLNA	1.7744	-0.6110	7.1066	0.0000	0.0006	2.8281

ACACB	-3.2502	-1.0493	-7.1061	0.0000	0.0006	2.8274
KBTBD13	-1.9104	-0.0941	-7.1037	0.0000	0.0006	2.8243
SLC7A11	3.6334	-2.0601	7.1015	0.0000	0.0006	2.8214
AK092522	-3.1519	-0.6422	-7.0986	0.0000	0.0006	2.8176
FLJ40288	1.7533	-7.0527	7.0966	0.0000	0.0006	2.8151
CCDC99	1.4636	-0.2184	7.0954	0.0000	0.0006	2.8135
MSRA	-2.3456	2.3626	-7.0902	0.0000	0.0006	2.8067
MURC	2.0295	-3.8961	7.0837	0.0000	0.0006	2.7982
DENND2C	-1.9060	-2.9105	-7.0826	0.0000	0.0006	2.7967
NUDT7	-2.4934	1.5266	-7.0817	0.0000	0.0006	2.7955
MXRA8	1.9490	-0.4394	7.0816	0.0000	0.0006	2.7954
NR1H4	-4.5734	1.5156	-7.0793	0.0000	0.0006	2.7925
LOC644961	1.6953	3.8218	7.0764	0.0000	0.0006	2.7886
MTL5	3.0809	-3.0110	7.0741	0.0000	0.0006	2.7856
CENPA	2.7908	-3.7793	7.0709	0.0000	0.0006	2.7815
ZNF320	1.4707	-0.6517	7.0656	0.0000	0.0006	2.7744
TDGF1	-2.1994	-1.1260	-7.0642	0.0000	0.0006	2.7726
NGFR	-2.9556	-0.5348	-7.0602	0.0000	0.0006	2.7674
PECR	-3.0279	1.7171	-7.0557	0.0000	0.0006	2.7615
CYP3A7	-3.9086	2.3948	-7.0500	0.0000	0.0006	2.7541
YWHAQ	1.5287	3.2500	7.0469	0.0000	0.0006	2.7499
PPP2R1B	-2.2729	-2.0536	-7.0437	0.0000	0.0006	2.7458
RAB14	-2.0343	-1.9288	-7.0430	0.0000	0.0006	2.7449
HGD	-3.7692	2.3816	-7.0430	0.0000	0.0006	2.7448
AK3	-1.8796	2.2748	-7.0429	0.0000	0.0006	2.7447
C5orf30	2.6110	0.0085	7.0342	0.0000	0.0006	2.7333
ACTG1	1.6583	3.2848	7.0323	0.0000	0.0006	2.7308
C1R	-2.6549	2.6960	-7.0306	0.0000	0.0006	2.7285
HIST1H2BM	1.6775	2.9604	7.0297	0.0000	0.0006	2.7273
NME5	2.7335	-0.2005	7.0225	0.0000	0.0006	2.7179
COL5A1	2.0600	-0.7803	7.0061	0.0000	0.0006	2.6963
PPAP2B	-2.1070	3.1819	-7.0058	0.0000	0.0006	2.6959
APLN	3.6788	-2.8194	7.0025	0.0000	0.0006	2.6915
PNMA1	1.5832	0.4771	7.0008	0.0000	0.0006	2.6893
MST1	-3.3940	3.3623	-6.9999	0.0000	0.0006	2.6881
NAALAD2	-1.9149	-4.2686	-6.9991	0.0000	0.0006	2.6870
SLCO2B1	-2.6045	2.3794	-6.9980	0.0000	0.0006	2.6857
NPR1	-1.5154	-1.8615	-6.9977	0.0000	0.0006	2.6851
EXO1	2.4720	-1.5429	6.9954	0.0000	0.0006	2.6821
AIG1	-1.6051	1.8189	-6.9945	0.0000	0.0006	2.6810
CAPG	3.1518	1.2992	6.9815	0.0000	0.0006	2.6638
IGSF3	2.5482	-3.0492	6.9764	0.0000	0.0006	2.6571
SUCLG2	-1.6257	3.0139	-6.9757	0.0000	0.0006	2.6562

MEP1B	-3.7124	-4.1517	-6.9733	0.0000	0.0006	2.6530
GRIA3	-3.6974	-3.2867	-6.9708	0.0000	0.0006	2.6497
RHBDF1	2.3031	0.4323	6.9687	0.0000	0.0006	2.6469
CAV1	2.3412	1.5876	6.9658	0.0000	0.0006	2.6431
UGT2B10	-3.9352	3.5318	-6.9607	0.0000	0.0006	2.6362
MBOAT2	1.5425	-1.4203	6.9599	0.0000	0.0006	2.6353
SLC43A1	-3.0282	0.4913	-6.9592	0.0000	0.0006	2.6343
C20orf3	-1.7978	2.5721	-6.9589	0.0000	0.0006	2.6339
CHMP3	1.6872	2.1985	6.9567	0.0000	0.0006	2.6310
SPC25	2.3156	-2.2981	6.9456	0.0000	0.0006	2.6163
MATN3	3.5243	-4.6868	6.9421	0.0000	0.0006	2.6116
GAS5	2.0380	3.3396	6.9409	0.0000	0.0006	2.6101
C20orf132	-2.2866	-3.4874	-6.9351	0.0000	0.0006	2.6024
KIF20A	2.1559	-0.9793	6.9337	0.0000	0.0006	2.6005
LIPG	-4.1529	-0.1382	-6.9335	0.0000	0.0006	2.6003
CA307890	-2.9647	4.2753	-6.9325	0.0000	0.0006	2.5989
C18orf10	1.2347	2.0076	6.9324	0.0000	0.0006	2.5988
ABCC2	-3.2793	-2.2615	-6.9300	0.0000	0.0006	2.5956
ARHGAP18	1.7802	0.2950	6.9267	0.0000	0.0007	2.5912
ENST00000380231	-3.7730	-0.5363	-6.9251	0.0000	0.0007	2.5891
CD200	2.9981	-2.4774	6.9248	0.0000	0.0007	2.5887
PSRC1	1.4285	-2.5191	6.9224	0.0000	0.0007	2.5855
SSBP2	1.8177	1.3526	6.9216	0.0000	0.0007	2.5845
CCDC74B	2.3285	-1.3426	6.9203	0.0000	0.0007	2.5827
ITGB1	1.7058	3.2200	6.9167	0.0000	0.0007	2.5780
DPCD	1.6556	1.0734	6.9160	0.0000	0.0007	2.5770
NAT8	-4.8323	0.3009	-6.9092	0.0000	0.0007	2.5679
CCDC73	-1.9444	-4.5849	-6.9064	0.0000	0.0007	2.5642
CTBP2	1.9038	0.0018	6.9062	0.0000	0.0007	2.5639
MORN1	-1.4597	-2.9414	-6.9057	0.0000	0.0007	2.5634
LAD1	2.5786	1.5237	6.8982	0.0000	0.0007	2.5533
LOC100130015	-1.7663	-1.0720	-6.8888	0.0000	0.0007	2.5408
GDA	-4.6613	-0.5969	-6.8858	0.0000	0.0007	2.5368
MOGAT1	-4.1265	-2.6504	-6.8825	0.0000	0.0007	2.5324
HBCBP	-3.5122	-5.8089	-6.8809	0.0000	0.0007	2.5302
TMCO7	-1.8481	-0.4952	-6.8804	0.0000	0.0007	2.5295
CAV3	2.1379	-2.1736	6.8797	0.0000	0.0007	2.5286
LOC654342	2.4178	-0.1564	6.8795	0.0000	0.0007	2.5284
HIST3H3	1.1588	3.9046	6.8791	0.0000	0.0007	2.5278
POPDC2	1.3323	-2.4289	6.8777	0.0000	0.0007	2.5259
ZCCHC16	-5.0132	-5.6135	-6.8738	0.0000	0.0007	2.5208
TMEM132A	2.7867	1.4160	6.8687	0.0000	0.0007	2.5140
C12orf57	1.2834	3.5263	6.8658	0.0000	0.0007	2.5101

GADD45G	-2.3547	1.6410	-6.8644	0.0000	0.0007	2.5083
STEAP3	-1.9588	2.4203	-6.8599	0.0000	0.0007	2.5022
SRGAP1	2.0442	0.4081	6.8599	0.0000	0.0007	2.5021
LGALS3	2.4360	2.8828	6.8596	0.0000	0.0007	2.5018
SLC16A13	-2.3306	-1.2442	-6.8572	0.0000	0.0007	2.4985
PDGFRL	2.5358	-2.9964	6.8558	0.0000	0.0007	2.4967
SLC39A4	1.6985	2.0643	6.8550	0.0000	0.0007	2.4956
TMEM63C	-2.5013	-4.4862	-6.8533	0.0000	0.0007	2.4934
CDC14B	-2.0778	0.3130	-6.8522	0.0000	0.0007	2.4919
RP11-125A7.3	-1.4412	0.2325	-6.8521	0.0000	0.0007	2.4917
MOV10L1	-1.7154	-5.8243	-6.8502	0.0000	0.0007	2.4892
LEPR	-2.4002	2.0386	-6.8500	0.0000	0.0007	2.4890
LOC100131726	-4.9705	-3.5615	-6.8472	0.0000	0.0007	2.4852
CYP4F11	-3.5085	-0.0851	-6.8450	0.0000	0.0007	2.4823
MT1A	-2.6874	4.2977	-6.8429	0.0000	0.0007	2.4795
PGM5P2	1.6145	3.6726	6.8372	0.0000	0.0007	2.4719
ECH1	-1.6079	3.1061	-6.8357	0.0000	0.0007	2.4698
RTN4RL2	-2.1129	-1.1890	-6.8347	0.0000	0.0007	2.4685
HEYL	1.6283	-0.4053	6.8337	0.0000	0.0007	2.4671
AQP7P1	-2.7227	-1.7087	-6.8329	0.0000	0.0007	2.4661
KIAA1609	1.8428	0.3103	6.8326	0.0000	0.0007	2.4657
GSTP1	2.7503	3.0283	6.8290	0.0000	0.0007	2.4608
HK1	1.8934	1.1456	6.8288	0.0000	0.0007	2.4605
C10orf35	1.7039	-0.3915	6.8284	0.0000	0.0007	2.4600
CTNNA1	1.5429	2.8105	6.8264	0.0000	0.0007	2.4574
HBQ1	-1.7680	-3.5535	-6.8252	0.0000	0.0007	2.4557
NEIL3	2.8882	-5.5618	6.8251	0.0000	0.0007	2.4556
ST6GALNAC6	-1.7592	-0.1174	-6.8251	0.0000	0.0007	2.4556
DPP4	-3.6004	1.1635	-6.8221	0.0000	0.0007	2.4516
GNAO1	-3.8845	-3.1534	-6.8201	0.0000	0.0007	2.4488
SLC3A1	-2.4759	-2.8007	-6.8166	0.0000	0.0007	2.4441
SH3PXD2B	2.6741	-0.0736	6.8164	0.0000	0.0007	2.4439
ALDH3A2	-1.6783	3.1092	-6.8134	0.0000	0.0007	2.4399
CD34	1.3419	-2.5543	6.8132	0.0000	0.0007	2.4396
FGA	-4.3703	3.4321	-6.8107	0.0000	0.0007	2.4363
ARPC2	1.4621	3.9232	6.8105	0.0000	0.0007	2.4360
EPRS	1.7125	3.1936	6.8060	0.0000	0.0007	2.4299
ENST00000374717	-2.8298	-0.9354	-6.8053	0.0000	0.0007	2.4290
EDIL3	4.6132	-4.4961	6.8043	0.0000	0.0007	2.4277
HIGD1B	2.4000	-2.4085	6.8041	0.0000	0.0007	2.4274
COL6A3	2.1373	-0.7689	6.8000	0.0000	0.0007	2.4218
PLVAP	2.1623	1.7079	6.7889	0.0000	0.0007	2.4068
BMX	-2.0620	-3.2077	-6.7872	0.0000	0.0007	2.4045

CCDC148	1.5459	-3.2748	6.7867	0.0000	0.0007	2.4040
MST1R	3.6892	-1.3849	6.7859	0.0000	0.0007	2.4029
C5orf46	3.6526	-5.2889	6.7855	0.0000	0.0007	2.4024
DNAJC16	-1.1051	-3.3686	-6.7851	0.0000	0.0007	2.4017
MAN1A1	-3.0797	1.6567	-6.7838	0.0000	0.0007	2.4000
TMEM57	-1.5853	0.5294	-6.7794	0.0000	0.0007	2.3941
XDH	-3.8196	1.6915	-6.7772	0.0000	0.0007	2.3911
EHHADH	-4.3670	-0.4517	-6.7765	0.0000	0.0007	2.3902
TEX11	2.0036	-4.6358	6.7759	0.0000	0.0007	2.3894
CHMP4C	1.7298	0.3709	6.7682	0.0000	0.0007	2.3790
FAM82A1	-1.8684	-1.8938	-6.7625	0.0000	0.0007	2.3714
FAM60A	1.8983	-0.1095	6.7620	0.0000	0.0007	2.3706
H3F3A	1.4356	4.1761	6.7477	0.0000	0.0008	2.3513
LOC645434	-4.5481	-5.8191	-6.7469	0.0000	0.0008	2.3502
ECHDC3	-4.4027	0.2598	-6.7410	0.0000	0.0008	2.3422
MAPRE1	1.1734	1.6517	6.7333	0.0000	0.0008	2.3318
CYB561	1.6813	1.2431	6.7305	0.0000	0.0008	2.3280
ZNF213	1.4681	0.1344	6.7273	0.0000	0.0008	2.3237
ACOT6	-3.7791	-3.4555	-6.7272	0.0000	0.0008	2.3235
ARMCX6	1.3964	0.7578	6.7262	0.0000	0.0008	2.3221
IGFL2	2.2500	-4.1185	6.7222	0.0000	0.0008	2.3168
EHD3	-1.8926	-0.5296	-6.7194	0.0000	0.0008	2.3130
CCDC6	1.2502	1.1369	6.7162	0.0000	0.0008	2.3087
LOC388588	-2.1369	0.5153	-6.7162	0.0000	0.0008	2.3086
C6orf208	-3.9826	-4.1474	-6.7156	0.0000	0.0008	2.3078
DYNC1I2	1.3634	2.6085	6.7108	0.0000	0.0008	2.3013
DSCR1L2	1.7010	-0.0499	6.7102	0.0000	0.0008	2.3005
BCAT2	1.4644	1.2822	6.7096	0.0000	0.0008	2.2996
CYB5A	-2.8245	4.0297	-6.7032	0.0000	0.0008	2.2910
LCMT1	1.3125	1.3379	6.7027	0.0000	0.0008	2.2903
SHANK3	-1.5799	-0.4485	-6.7019	0.0000	0.0008	2.2892
SLC6A6	2.1496	0.0420	6.7017	0.0000	0.0008	2.2890
BTNL9	-2.1543	-2.7665	-6.6997	0.0000	0.0008	2.2863
FADS6	-4.2427	-4.7685	-6.6988	0.0000	0.0008	2.2850
PDGFRB	1.8633	0.8265	6.6983	0.0000	0.0008	2.2843
IGSF10	-3.3597	-3.4826	-6.6924	0.0000	0.0008	2.2763
FAM134B	-2.7971	0.8897	-6.6870	0.0000	0.0008	2.2690
AZGP1P1	-2.8859	-0.3920	-6.6844	0.0000	0.0008	2.2654
KRT86	2.7350	-3.1642	6.6810	0.0000	0.0008	2.2608
LTB4R2	-1.0954	-3.0382	-6.6798	0.0000	0.0008	2.2591
HIST1H2AB	1.9771	-0.3022	6.6793	0.0000	0.0008	2.2585
VWCE	-2.2472	-0.4067	-6.6713	0.0000	0.0008	2.2475
TRIP13	1.4679	-1.9473	6.6707	0.0000	0.0008	2.2467

SLC37A4	-2.0845	2.9654	-6.6703	0.0000	0.0008	2.2462
CAMSAP2	1.6340	1.1176	6.6699	0.0000	0.0008	2.2457
SCARNA17	-2.6949	0.7909	-6.6651	0.0000	0.0008	2.2391
COL22A1	3.1600	-4.9146	6.6612	0.0000	0.0008	2.2338
DNAH1	-1.5875	-2.6567	-6.6565	0.0000	0.0008	2.2274
LPIN2	-2.4672	1.5234	-6.6554	0.0000	0.0008	2.2259
SLC9A3R2	-1.7827	2.2282	-6.6541	0.0000	0.0008	2.2241
PQLC1	-1.6805	-0.4599	-6.6537	0.0000	0.0008	2.2236
DNMT3L	-6.5964	-3.2937	-6.6534	0.0000	0.0008	2.2232
PRSS22	3.8613	-1.6734	6.6531	0.0000	0.0008	2.2227
GHR	-2.8162	1.7878	-6.6527	0.0000	0.0008	2.2222
ABCG2	-2.7093	-1.1384	-6.6458	0.0000	0.0008	2.2128
SNORA59B	-2.4123	-1.8830	-6.6417	0.0000	0.0008	2.2072
C4orf34	-1.7104	3.3950	-6.6397	0.0000	0.0008	2.2045
HIST1H2BH	1.5132	3.9959	6.6330	0.0000	0.0008	2.1953
ADCY1	-2.3569	0.2871	-6.6326	0.0000	0.0008	2.1948
DKK3	2.0277	1.1860	6.6307	0.0000	0.0008	2.1922
PIAS3	1.8367	0.2797	6.6303	0.0000	0.0008	2.1916
FOXL1	3.2476	-3.3380	6.6274	0.0000	0.0009	2.1876
KIF3A	2.0213	-3.5913	6.6227	0.0000	0.0009	2.1812
PNPLA3	-3.4387	0.6619	-6.6221	0.0000	0.0009	2.1803
CPEB3	-2.3306	0.9041	-6.6172	0.0000	0.0009	2.1736
HIST1H2BD	1.6284	3.2922	6.6118	0.0000	0.0009	2.1662
MT1M	-3.5319	1.7402	-6.6105	0.0000	0.0009	2.1644
RPL10	1.3079	3.5828	6.6063	0.0000	0.0009	2.1587
LOC387646	1.2729	0.0743	6.6056	0.0000	0.0009	2.1578
BEND4	-2.5600	-4.8541	-6.6029	0.0000	0.0009	2.1541
MFAP2	3.4791	-0.9545	6.6005	0.0000	0.0009	2.1508
REEP2	2.8832	-3.0665	6.5995	0.0000	0.0009	2.1494
CDT1	2.4364	-1.5497	6.5981	0.0000	0.0009	2.1474
CTSK	2.0736	0.7233	6.5965	0.0000	0.0009	2.1453
LOC643770	-2.7555	-4.8317	-6.5929	0.0000	0.0009	2.1404
IQGAP3	3.2428	-0.6592	6.5927	0.0000	0.0009	2.1401
C10orf114	-4.2254	0.1003	-6.5878	0.0000	0.0009	2.1333
CD36	-3.1959	1.2861	-6.5858	0.0000	0.0009	2.1305
OR4C11	-1.6481	-6.3692	-6.5838	0.0000	0.0009	2.1278
CYP2C18	-3.7746	1.3835	-6.5788	0.0000	0.0009	2.1209
E2F5	2.0574	-0.2020	6.5785	0.0000	0.0009	2.1206
LINCR	3.0034	-0.0911	6.5765	0.0000	0.0009	2.1177
LOC283143	2.3297	-5.9740	6.5700	0.0000	0.0009	2.1089
GPR128	-5.6908	-2.6128	-6.5698	0.0000	0.0009	2.1085
RAB10	1.0890	3.2376	6.5666	0.0000	0.0009	2.1041
FOLH1	-3.4889	0.4952	-6.5590	0.0000	0.0009	2.0937

ENST00000332617	1.5074	4.4215	6.5581	0.0000	0.0009	2.0925
GPT2	-3.8284	0.7083	-6.5572	0.0000	0.0009	2.0913
STK32B	2.3288	-4.3176	6.5547	0.0000	0.0009	2.0877
RFX5	1.4327	1.3195	6.5545	0.0000	0.0009	2.0875
DKK2	2.5886	-3.1586	6.5496	0.0000	0.0009	2.0808
GBAS	1.8412	1.5531	6.5493	0.0000	0.0009	2.0803
LHFPL2	2.0479	1.6605	6.5477	0.0000	0.0009	2.0781
ASL	-2.7381	3.2584	-6.5461	0.0000	0.0009	2.0759
HBA2	-3.2700	1.8308	-6.5420	0.0000	0.0009	2.0703
SSTR1	-4.7792	-2.3670	-6.5412	0.0001	0.0009	2.0692
ZDHHC7	1.2108	1.0981	6.5404	0.0001	0.0009	2.0680
PLXNB3	2.8818	-1.9001	6.5404	0.0001	0.0009	2.0680
SLC2A8	-1.4045	0.4663	-6.5388	0.0001	0.0009	2.0658
EVPLL	-3.4012	-4.2052	-6.5362	0.0001	0.0009	2.0623
GLB1L2	2.2129	-4.5430	6.5360	0.0001	0.0009	2.0620
MGC12760	-2.0791	1.3209	-6.5304	0.0001	0.0009	2.0542
RPS13	1.5708	4.8689	6.5297	0.0001	0.0009	2.0532
CDH23	-2.3839	-2.8779	-6.5213	0.0001	0.0009	2.0417
FOXS1	2.3805	-1.0135	6.5196	0.0001	0.0009	2.0393
MYO1B	-1.9731	1.0969	-6.5180	0.0001	0.0009	2.0371
ARHGAP1	1.3255	3.1910	6.5152	0.0001	0.0010	2.0333
RBM3	1.6892	2.4636	6.5140	0.0001	0.0010	2.0315
TM4SF1	2.7853	3.1010	6.5068	0.0001	0.0010	2.0216
CPB2	-5.1293	2.1001	-6.5050	0.0001	0.0010	2.0190
CTTNBP2NL	1.7721	0.6438	6.5029	0.0001	0.0010	2.0162
LIMK1	2.0614	-0.2443	6.4985	0.0001	0.0010	2.0101
ZSWIM4	1.8874	0.1346	6.4966	0.0001	0.0010	2.0075
KDR	-1.7052	-0.0233	-6.4947	0.0001	0.0010	2.0048
TGDS	-1.6098	0.3129	-6.4912	0.0001	0.0010	1.9999
LOC400238	-2.2440	-5.8542	-6.4869	0.0001	0.0010	1.9940
PEX11G	-2.6716	-1.7114	-6.4864	0.0001	0.0010	1.9933
GKAP1	-1.5080	1.0011	-6.4784	0.0001	0.0010	1.9823
KIAA0247	1.2370	2.7917	6.4778	0.0001	0.0010	1.9814
AQP11	-4.0797	-1.9011	-6.4756	0.0001	0.0010	1.9783
DYX1C1	2.1747	-2.0123	6.4715	0.0001	0.0010	1.9727
IKBKAP	-1.9131	-2.7095	-6.4710	0.0001	0.0010	1.9719
MT1X	-2.4944	4.3065	-6.4684	0.0001	0.0010	1.9683
GJC1	2.2876	-1.3038	6.4650	0.0001	0.0010	1.9635
POSTN	2.5523	2.8232	6.4650	0.0001	0.0010	1.9635
CREB5	3.0719	-1.4772	6.4636	0.0001	0.0010	1.9617
FCGR2A	2.0409	2.3639	6.4609	0.0001	0.0010	1.9579
AFAP1	2.5564	-0.5466	6.4605	0.0001	0.0010	1.9573
CRMP1	2.5354	-1.5560	6.4596	0.0001	0.0010	1.9561

PADI4	-2.2661	-6.6971	-6.4540	0.0001	0.0010	1.9482
CCS	-1.6798	2.5110	-6.4538	0.0001	0.0010	1.9479
KIAA1244	2.7905	-2.6493	6.4509	0.0001	0.0010	1.9440
ACTB	1.4599	4.6218	6.4472	0.0001	0.0010	1.9388
DROSHA	1.2052	2.3809	6.4449	0.0001	0.0010	1.9355
RPL18A	1.6941	3.9047	6.4407	0.0001	0.0010	1.9298
FOLH1B	-3.4957	1.8953	-6.4386	0.0001	0.0010	1.9268
RASGEF1B	-1.7054	0.6423	-6.4377	0.0001	0.0010	1.9256
PEX3	-1.4928	0.6035	-6.4346	0.0001	0.0010	1.9212
ST7	-1.4664	0.8157	-6.4343	0.0001	0.0010	1.9207
PABPC1	1.6347	4.1304	6.4336	0.0001	0.0010	1.9198
DNAJC10	1.8339	1.8253	6.4305	0.0001	0.0010	1.9155
RPL13A	1.6111	4.5537	6.4286	0.0001	0.0010	1.9128
DCUN1D3	-1.4558	-0.8900	-6.4269	0.0001	0.0010	1.9105
PTPN14	2.6208	-0.5947	6.4264	0.0001	0.0010	1.9097
DYSF	-1.3938	-0.4354	-6.4259	0.0001	0.0010	1.9092
HDAC6	-2.0111	0.2357	-6.4247	0.0001	0.0010	1.9074
MAF	-2.0744	1.3994	-6.4240	0.0001	0.0010	1.9064
FEZ1	-1.6781	-0.0384	-6.4202	0.0001	0.0010	1.9011
CDNF	-2.6172	-0.7712	-6.4200	0.0001	0.0010	1.9009
RPS16	1.5685	4.7788	6.4192	0.0001	0.0010	1.8997
PGLYRP1	-1.6496	-3.0006	-6.4182	0.0001	0.0010	1.8983
SEPX1	-2.4941	1.6517	-6.4140	0.0001	0.0011	1.8924
HOMER3	1.6268	1.6863	6.4120	0.0001	0.0011	1.8897
AGL	-1.7455	1.3008	-6.4113	0.0001	0.0011	1.8887
HIBADH	-1.5171	2.7656	-6.4108	0.0001	0.0011	1.8880
DSTN	1.3307	2.0191	6.4103	0.0001	0.0011	1.8872
FLJ22795	2.2291	0.6429	6.4097	0.0001	0.0011	1.8864
TRIB1	-1.5167	3.1709	-6.4093	0.0001	0.0011	1.8858
GIPC1	1.2697	1.8645	6.4070	0.0001	0.0011	1.8827
PAFAH1B3	1.9767	1.1965	6.4056	0.0001	0.0011	1.8806
FCGRT	-1.4960	4.2270	-6.4051	0.0001	0.0011	1.8799
LOC648740	1.7298	1.8530	6.4050	0.0001	0.0011	1.8799
OR3A4P	1.6733	-5.2574	6.4046	0.0001	0.0011	1.8793
TUBB6	2.0024	2.1299	6.4024	0.0001	0.0011	1.8763
SYTL5	-1.4787	-4.7006	-6.4020	0.0001	0.0011	1.8757
SCARNA23	1.5391	-5.9269	6.3962	0.0001	0.0011	1.8676
PLA2G4D	1.9704	-5.5669	6.3921	0.0001	0.0011	1.8618
CDC14C	-1.9799	-1.6484	-6.3919	0.0001	0.0011	1.8615
CD151	1.6473	3.8814	6.3916	0.0001	0.0011	1.8611
BSG	1.1508	2.3530	6.3912	0.0001	0.0011	1.8605
DHRS2	-3.5748	0.4185	-6.3903	0.0001	0.0011	1.8592
IGFBP7	1.4325	3.7785	6.3891	0.0001	0.0011	1.8576

SLC2A9	-2.7845	1.1239	-6.3840	0.0001	0.0011	1.8504
DNAJC9	1.1740	1.6035	6.3811	0.0001	0.0011	1.8464
BOK	-2.3907	0.5252	-6.3810	0.0001	0.0011	1.8462
SERPINA4	-4.8703	1.9651	-6.3777	0.0001	0.0011	1.8416
LOC349196	1.4007	-3.3967	6.3776	0.0001	0.0011	1.8415
ANKRD24	-1.2873	-1.8546	-6.3757	0.0001	0.0011	1.8388
AEBP1	2.2200	2.6876	6.3731	0.0001	0.0011	1.8351
ACLY	1.3632	2.5346	6.3693	0.0001	0.0011	1.8298
MTMR2	1.5870	0.9913	6.3686	0.0001	0.0011	1.8289
MCM4	1.5761	1.6189	6.3685	0.0001	0.0011	1.8287
HMMR	2.2355	-1.6411	6.3641	0.0001	0.0011	1.8225
DHRS4	-1.7419	2.3379	-6.3632	0.0001	0.0011	1.8212
FOXRED1	-2.1253	-1.2422	-6.3627	0.0001	0.0011	1.8206
IYD	-5.7967	-1.0334	-6.3574	0.0001	0.0011	1.8131
FLJ21986	-2.3187	-0.8152	-6.3567	0.0001	0.0011	1.8122
TERC	1.8797	0.0444	6.3557	0.0001	0.0011	1.8108
PGRMC1	-1.9064	3.2217	-6.3557	0.0001	0.0011	1.8107
SLC35F3	3.3851	-1.2605	6.3527	0.0001	0.0011	1.8066
RHBDL2	1.5288	-3.3856	6.3463	0.0001	0.0011	1.7974
CLYBL	-2.5989	1.7628	-6.3458	0.0001	0.0011	1.7968
BX350880	1.4425	4.3918	6.3455	0.0001	0.0011	1.7963
SEMA3C	4.5133	-2.3688	6.3418	0.0001	0.0011	1.7912
MOBKL2B	1.4237	-0.8780	6.3387	0.0001	0.0011	1.7868
HBG1	-2.5073	-3.5615	-6.3363	0.0001	0.0011	1.7834
TBX20	-1.9940	-3.2161	-6.3353	0.0001	0.0011	1.7820
VIPR1	-4.9184	-0.5633	-6.3350	0.0001	0.0011	1.7816
AK123757	1.5738	-0.6709	6.3308	0.0001	0.0011	1.7757
ATP6AP1	1.1702	2.5627	6.3278	0.0001	0.0011	1.7715
CENPW	1.2847	-0.1132	6.3273	0.0001	0.0011	1.7707
SYNE1	-1.2309	-1.4589	-6.3261	0.0001	0.0011	1.7691
PRDX6	-1.2267	3.7337	-6.3230	0.0001	0.0011	1.7647
INS-IGF2	-2.8431	-5.4627	-6.3211	0.0001	0.0011	1.7621
SMC4	1.5535	1.3263	6.3204	0.0001	0.0011	1.7610
POGK	1.3885	2.3501	6.3201	0.0001	0.0011	1.7605
ACO1	-2.6459	2.1423	-6.3200	0.0001	0.0011	1.7604
TTK	1.9009	-3.1869	6.3195	0.0001	0.0011	1.7598
PHLDB1	1.6958	-1.4541	6.3181	0.0001	0.0011	1.7578
GPR172A	1.6986	1.4087	6.3161	0.0001	0.0011	1.7549
LRRC9	-2.8447	-5.8271	-6.3077	0.0001	0.0012	1.7431
SLIT2	1.9098	-0.3447	6.3059	0.0001	0.0012	1.7405
TIMP2	1.3881	3.3825	6.3058	0.0001	0.0012	1.7404
TCEB3	-1.3739	0.9118	-6.3047	0.0001	0.0012	1.7388
LOC375295	3.4336	-3.0304	6.3034	0.0001	0.0012	1.7371

SLFN13	2.2519	-4.0122	6.2998	0.0001	0.0012	1.7320
VPS37C	1.2450	0.9609	6.2983	0.0001	0.0012	1.7297
PECI	-1.9122	3.0874	-6.2981	0.0001	0.0012	1.7296
AK021933	1.4149	-2.0704	6.2978	0.0001	0.0012	1.7291
SIGMAR1	-1.4436	2.8299	-6.2950	0.0001	0.0012	1.7251
CUEDC1	1.5901	-0.9868	6.2944	0.0001	0.0012	1.7243
SLCO1B7	-3.6245	-6.0310	-6.2923	0.0001	0.0012	1.7213
EGFL6	4.7594	-3.1147	6.2894	0.0001	0.0012	1.7173
LINC00340	3.6499	-1.6853	6.2866	0.0001	0.0012	1.7132
STRA6	3.3405	-3.5112	6.2856	0.0001	0.0012	1.7119
PGK1	1.5137	4.1794	6.2849	0.0001	0.0012	1.7109
CENPE	2.1531	-2.5109	6.2786	0.0001	0.0012	1.7020
SPOCK1	5.6298	-2.0639	6.2783	0.0001	0.0012	1.7015
ARHGAP20	-2.7239	-3.7964	-6.2755	0.0001	0.0012	1.6975
ACOX3	-1.2713	1.2155	-6.2739	0.0001	0.0012	1.6953
OXER1	-3.4885	1.0719	-6.2686	0.0001	0.0012	1.6877
GPR88	-3.9842	-2.2302	-6.2664	0.0001	0.0012	1.6846
MLLT3	2.2271	-1.5721	6.2663	0.0001	0.0012	1.6846
PDLIM7	1.7216	-0.8427	6.2659	0.0001	0.0012	1.6839
TCEAL8	1.0782	2.6676	6.2650	0.0001	0.0012	1.6827
LUM	2.1015	2.3759	6.2650	0.0001	0.0012	1.6827
BEND7	-1.4528	-0.7612	-6.2648	0.0001	0.0012	1.6824
LRRTM1	-3.1521	-4.2975	-6.2636	0.0001	0.0012	1.6806
ZNF761	1.1488	-0.2029	6.2618	0.0001	0.0012	1.6781
RPS11	1.7051	4.7928	6.2601	0.0001	0.0012	1.6757
C13orf27	-1.4282	2.1348	-6.2593	0.0001	0.0012	1.6746
CCDC102B	1.7216	-1.0437	6.2573	0.0001	0.0012	1.6718
MOP-1	-1.4775	-3.2383	-6.2566	0.0001	0.0012	1.6707
SLC45A4	2.4194	-0.3594	6.2556	0.0001	0.0012	1.6693
ANXA8L2	3.3194	0.1004	6.2549	0.0001	0.0012	1.6682
ACOT4	-2.9943	0.2292	-6.2532	0.0001	0.0012	1.6658
HIST2H2BF	1.7471	0.2697	6.2529	0.0001	0.0012	1.6654
LOC651758	-2.7546	-3.3124	-6.2461	0.0001	0.0012	1.6559
RAB6B	2.8947	-3.0134	6.2456	0.0001	0.0012	1.6551
HIST3H2A	3.2215	-2.2952	6.2455	0.0001	0.0012	1.6549
SEPW1	1.3138	2.5684	6.2452	0.0001	0.0012	1.6545
RASL11A	-1.7161	-0.4193	-6.2443	0.0001	0.0012	1.6532
XK	-2.2333	-5.1254	-6.2408	0.0001	0.0012	1.6482
NMB	2.0229	0.0910	6.2389	0.0001	0.0012	1.6456
MTIL	-2.8992	4.0931	-6.2385	0.0001	0.0012	1.6451
JAG2	2.8256	-1.4005	6.2360	0.0001	0.0012	1.6414
TUBE1	-1.7598	-0.1189	-6.2302	0.0001	0.0012	1.6331
MIF	1.7310	4.1697	6.2297	0.0001	0.0012	1.6325

C9orf43	-2.2443	-3.7289	-6.2281	0.0001	0.0012	1.6302
HLX	-1.6377	-0.7339	-6.2243	0.0001	0.0013	1.6248
CYP2J2	-3.9557	2.2940	-6.2113	0.0001	0.0013	1.6062
FGL1	-4.8236	2.4476	-6.2067	0.0001	0.0013	1.5997
RASL12	2.3080	-3.9700	6.2011	0.0001	0.0013	1.5917
CLDN5	-1.4701	1.1677	-6.2006	0.0001	0.0013	1.5910
NRM	1.4538	0.2913	6.1929	0.0001	0.0013	1.5800
MPV17	1.1320	0.4267	6.1905	0.0001	0.0013	1.5765
RASAL2	2.4514	-1.0143	6.1858	0.0001	0.0013	1.5699
TNFRSF4	1.7928	-0.8271	6.1852	0.0001	0.0013	1.5690
BMPER	-4.4159	-2.5168	-6.1850	0.0001	0.0013	1.5686
KIAA1045	-2.2436	-4.6300	-6.1846	0.0001	0.0013	1.5681
GRPEL1	-1.2370	1.4204	-6.1806	0.0001	0.0013	1.5624
MPZL1	1.9235	1.6366	6.1761	0.0001	0.0013	1.5560
FAM66C	1.5666	-5.6047	6.1756	0.0001	0.0013	1.5553
SLC4A3	3.6930	-1.5452	6.1745	0.0001	0.0013	1.5537
FAM100B	1.6467	2.6557	6.1740	0.0001	0.0013	1.5529
ECM1	-1.7412	1.9579	-6.1733	0.0001	0.0013	1.5520
FAM95B1	-2.1000	-3.4011	-6.1731	0.0001	0.0013	1.5517
ATP11C	-2.1087	0.8301	-6.1725	0.0001	0.0013	1.5508
BRP44L	-2.1305	2.0117	-6.1706	0.0001	0.0013	1.5481
CCBP2	-2.2167	-1.1211	-6.1697	0.0001	0.0013	1.5468
LOC100133985	-1.4178	-2.5316	-6.1684	0.0001	0.0013	1.5450
PRKXP1	1.3073	-0.5731	6.1666	0.0001	0.0013	1.5424
TPM1	1.7672	3.0637	6.1649	0.0001	0.0013	1.5399
LOC338620	2.0685	-1.1422	6.1634	0.0001	0.0013	1.5378
NPM3	1.6705	1.0832	6.1630	0.0001	0.0013	1.5372
EVC2	2.3334	-2.7673	6.1625	0.0001	0.0013	1.5365
PDK4	-3.2847	2.3465	-6.1598	0.0001	0.0013	1.5326
LINC00482	-1.3435	-1.9103	-6.1505	0.0001	0.0014	1.5193
CCND2	1.6968	1.9129	6.1504	0.0001	0.0014	1.5192
LOC286044	-2.3808	1.9422	-6.1499	0.0001	0.0014	1.5185
COL4A5	2.7938	-0.1602	6.1453	0.0001	0.0014	1.5118
C1orf228	-1.5539	-2.4001	-6.1307	0.0001	0.0014	1.4908
FLJ22184	1.0763	0.5273	6.1266	0.0001	0.0014	1.4850
PLK4	1.8701	-3.3835	6.1245	0.0001	0.0014	1.4820
DNAJC12	-2.6263	1.1314	-6.1218	0.0001	0.0014	1.4780
RAD51	1.7053	-0.9981	6.1208	0.0001	0.0014	1.4766
ZMYND12	-2.6903	-0.9958	-6.1186	0.0001	0.0014	1.4735
APOE	-2.8545	4.3677	-6.1157	0.0001	0.0014	1.4692
GLTPD1	-1.8496	0.3512	-6.1151	0.0001	0.0014	1.4684
MAP1A	2.1364	-2.4419	6.1146	0.0001	0.0014	1.4677
SEMA4F	1.9375	-2.4837	6.1142	0.0001	0.0014	1.4671

FLJ27352	2.1321	-1.0388	6.1132	0.0001	0.0014	1.4657
AIFM1	-1.6767	0.9307	-6.1114	0.0001	0.0014	1.4631
SSPN	2.7225	0.0775	6.1107	0.0001	0.0014	1.4620
PROS1	-3.4728	1.2786	-6.1106	0.0001	0.0014	1.4619
MTO1	-1.2860	1.3988	-6.1007	0.0001	0.0014	1.4476
LRRN3	-2.0010	-0.7071	-6.0998	0.0001	0.0014	1.4464
ENPP7	-1.8488	-2.7098	-6.0990	0.0001	0.0014	1.4452
LRRC1	2.1740	-2.8500	6.0986	0.0001	0.0014	1.4447
AKR7A3	-3.0790	2.9804	-6.0981	0.0001	0.0014	1.4439
LOC200772	-2.3149	-5.4743	-6.0978	0.0001	0.0014	1.4436
PTK7	2.7919	-1.5441	6.0973	0.0001	0.0014	1.4428
TRAPPC8	-1.3609	-1.5762	-6.0925	0.0001	0.0014	1.4359
GMNC	-4.1468	-3.9221	-6.0901	0.0001	0.0014	1.4324
ASNS	2.3402	1.4776	6.0891	0.0001	0.0014	1.4309
OR51E1	2.6346	-4.7665	6.0885	0.0001	0.0014	1.4300
ACYP1	1.5696	1.4884	6.0875	0.0001	0.0014	1.4286
ST6GALNAC1	-2.5321	-3.1363	-6.0873	0.0001	0.0014	1.4284
AYTL2	1.8919	1.1219	6.0853	0.0001	0.0015	1.4255
HBD	-3.6479	2.2974	-6.0851	0.0001	0.0015	1.4251
CEACAM1	-1.5860	1.7056	-6.0843	0.0001	0.0015	1.4240
TRIM59	2.4516	-2.3555	6.0791	0.0001	0.0015	1.4165
ABCA3	2.1512	0.0533	6.0770	0.0001	0.0015	1.4135
GFOD1	-1.9900	-1.4051	-6.0707	0.0001	0.0015	1.4043
LOXL4	3.5505	0.3778	6.0679	0.0001	0.0015	1.4004
PTGDR	-1.5737	-2.4392	-6.0676	0.0001	0.0015	1.3998
LRRIQ4	-2.2842	-6.1791	-6.0656	0.0001	0.0015	1.3971
F10	-2.0650	-0.5843	-6.0647	0.0001	0.0015	1.3956
AKR7L	-2.9980	1.9264	-6.0624	0.0001	0.0015	1.3923
CAPNS1	1.3922	3.6843	6.0596	0.0001	0.0015	1.3883
ATP2C1	1.1527	1.2523	6.0536	0.0001	0.0015	1.3797
TMEM86B	-3.3656	0.5282	-6.0514	0.0001	0.0015	1.3765
KIF4A	1.5165	-3.3246	6.0490	0.0001	0.0015	1.3730
TIE1	-1.3624	-0.7224	-6.0445	0.0001	0.0015	1.3665
OR4X1	-1.8307	-4.2927	-6.0420	0.0001	0.0015	1.3629
TIAM2	2.5927	-1.5616	6.0379	0.0001	0.0015	1.3569
CFL1	1.2300	3.5976	6.0376	0.0001	0.0015	1.3564
C10orf67	-1.5227	-6.5102	-6.0363	0.0001	0.0015	1.3546
PDGFA	2.6474	0.7176	6.0358	0.0001	0.0015	1.3538
FAM184A	-3.0413	-3.2639	-6.0352	0.0001	0.0015	1.3530
CYP7B1	-1.4306	1.4247	-6.0345	0.0001	0.0015	1.3519
RHOB	-1.7084	3.0688	-6.0270	0.0001	0.0015	1.3411
C3orf14	2.2178	0.1398	6.0270	0.0001	0.0015	1.3410
AACS	1.6703	-1.0949	6.0266	0.0001	0.0015	1.3404

CAMSAP1L1	1.7093	0.4829	6.0263	0.0001	0.0015	1.3401
COL16A1	1.4005	-1.9039	6.0259	0.0001	0.0015	1.3395
RPL8	2.5176	4.5911	6.0233	0.0001	0.0016	1.3357
FAM176A	-2.7038	-3.6040	-6.0171	0.0001	0.0016	1.3267
CACNA1C	1.6156	-2.8961	6.0161	0.0001	0.0016	1.3253
TSLP	-3.4884	-4.7648	-6.0152	0.0001	0.0016	1.3239
LYRM5	-1.7511	1.5592	-6.0134	0.0001	0.0016	1.3213
PCNXL2	2.4402	-3.1076	6.0118	0.0001	0.0016	1.3190
LOC100129111	-1.8581	-4.7906	-6.0109	0.0001	0.0016	1.3176
ELTD1	-1.2626	0.7448	-6.0100	0.0001	0.0016	1.3163
MYRIP	-5.1379	0.2628	-6.0085	0.0001	0.0016	1.3141
HIST1H2BO	1.2942	3.7096	6.0075	0.0001	0.0016	1.3127
NAGS	-4.0263	0.6784	-6.0072	0.0001	0.0016	1.3123
TRPM8	-1.3749	-0.4709	-6.0067	0.0001	0.0016	1.3115
CLIC1	1.5914	3.2849	5.9992	0.0001	0.0016	1.3006
LGALS1	2.9975	4.1707	5.9972	0.0001	0.0016	1.2977
MOB3B	1.5348	-2.1945	5.9938	0.0001	0.0016	1.2927
C8orf59	1.3183	1.7385	5.9936	0.0001	0.0016	1.2924
PLA2G2A	-5.3399	0.1073	-5.9916	0.0001	0.0016	1.2896
LAYN	2.6725	-0.2428	5.9878	0.0001	0.0016	1.2840
CD248	1.9381	-1.2595	5.9876	0.0001	0.0016	1.2837
PON3	-4.3191	2.9650	-5.9868	0.0001	0.0016	1.2825
LPPR4	1.4745	-3.7063	5.9856	0.0001	0.0016	1.2809
TAL1	-1.4264	-2.7488	-5.9846	0.0001	0.0016	1.2793
LOC100129424	1.3513	4.3083	5.9816	0.0001	0.0016	1.2750
FLJ21075	1.9941	-6.4684	5.9812	0.0001	0.0016	1.2744
HAPLN3	2.7044	-0.9102	5.9801	0.0001	0.0016	1.2728
ZNF618	1.9590	-0.0740	5.9791	0.0001	0.0016	1.2713
OVCH1	-1.7742	-6.1859	-5.9776	0.0001	0.0016	1.2692
ANLN	3.2981	-3.1650	5.9742	0.0001	0.0016	1.2642
FAM69A	-2.0476	0.3996	-5.9740	0.0001	0.0016	1.2639
PMCHL1	1.6112	-4.3830	5.9732	0.0001	0.0016	1.2627
ZEB1-AS1	1.3342	-1.8807	5.9714	0.0001	0.0016	1.2601
MCEE	-1.2738	2.7491	-5.9699	0.0001	0.0016	1.2579
FBNP1L	1.5605	0.6561	5.9695	0.0001	0.0016	1.2573
LOC100506190	1.5334	4.9686	5.9688	0.0001	0.0016	1.2563
GPX6	-1.6250	-6.1931	-5.9684	0.0001	0.0016	1.2557
SEMA3E	3.5125	-4.4372	5.9669	0.0001	0.0016	1.2535
FAM54A	1.5917	-3.2498	5.9669	0.0001	0.0016	1.2535
MMP7	4.4857	2.0835	5.9536	0.0001	0.0017	1.2342
GIMAP8	-1.4114	0.7736	-5.9476	0.0001	0.0017	1.2254
ITGBL1	2.4195	1.4481	5.9470	0.0001	0.0017	1.2245
IL1RN	-3.0013	1.8961	-5.9452	0.0001	0.0017	1.2218

FAM117B	1.8612	1.2766	5.9450	0.0001	0.0017	1.2215
ROPN1L	-2.9047	-3.1071	-5.9416	0.0001	0.0017	1.2166
LHPP	-1.7425	0.4603	-5.9393	0.0001	0.0017	1.2131
PAK7	2.8641	-4.9190	5.9390	0.0001	0.0017	1.2127
TTC39C	-2.0411	2.2308	-5.9385	0.0001	0.0017	1.2120
ST6GALNAC5	2.4884	-3.5820	5.9380	0.0001	0.0017	1.2112
SLC46A3	-2.5146	1.0260	-5.9378	0.0001	0.0017	1.2109
MMGT1	1.2072	1.7516	5.9331	0.0001	0.0017	1.2040
SSC5D	-1.2276	2.3026	-5.9320	0.0001	0.0017	1.2024
GALNT7	1.8325	0.4810	5.9265	0.0001	0.0017	1.1945
LOXL2	2.7466	-0.2009	5.9265	0.0001	0.0017	1.1943
KRTAP4-11	1.8222	-6.8362	5.9256	0.0001	0.0017	1.1930
TMEM192	-1.6413	-0.9391	-5.9219	0.0001	0.0017	1.1876
RNU105A	1.5799	2.1895	5.9218	0.0001	0.0017	1.1875
PALMD	-2.7434	1.1043	-5.9212	0.0001	0.0017	1.1866
RAD54L	2.4616	-1.5952	5.9204	0.0001	0.0017	1.1855
MPP3	2.0156	-2.5945	5.9182	0.0001	0.0017	1.1823
FPGS	-1.2119	-0.6913	-5.9181	0.0001	0.0017	1.1821
LARP1B	-1.4754	0.6211	-5.9168	0.0001	0.0017	1.1801
MSH2	1.3222	1.3174	5.9167	0.0001	0.0017	1.1800
MN1	1.8079	-3.6263	5.9154	0.0001	0.0017	1.1781
ADIPOQ	1.2925	-7.0354	5.9143	0.0001	0.0017	1.1765
CDS1	3.0479	-0.6347	5.9114	0.0001	0.0017	1.1722
CECR2	-2.4440	-4.7769	-5.9064	0.0001	0.0018	1.1650
DDI2	-1.8311	-1.1740	-5.9063	0.0001	0.0018	1.1648
DLG5	1.8131	-0.3341	5.9046	0.0001	0.0018	1.1622
FRG2B	1.7627	-6.4988	5.9045	0.0001	0.0018	1.1622
RPLP2	1.1316	4.1053	5.9041	0.0001	0.0018	1.1615
GPR125	-2.1335	0.8005	-5.9014	0.0001	0.0018	1.1575
SGK494	-1.2671	-2.4082	-5.9004	0.0001	0.0018	1.1560
PHF8	-1.2995	-0.9485	-5.8990	0.0001	0.0018	1.1541
RCL1	-1.8465	-0.6184	-5.8983	0.0001	0.0018	1.1530
ZYG11A	-2.7410	-5.3095	-5.8938	0.0001	0.0018	1.1463
GYG2	-2.3515	-1.1762	-5.8938	0.0001	0.0018	1.1463
IL11RA	-1.6117	-0.8620	-5.8914	0.0001	0.0018	1.1428
CITED4	2.3158	3.7277	5.8901	0.0001	0.0018	1.1410
C9orf103	-3.0804	1.8046	-5.8899	0.0001	0.0018	1.1406
SLED1	-2.7035	-5.2979	-5.8873	0.0001	0.0018	1.1368
CBX5	1.1123	1.8233	5.8868	0.0001	0.0018	1.1361
NOV	3.4863	0.4958	5.8851	0.0001	0.0018	1.1336
C11orf66	-2.5335	-2.6695	-5.8834	0.0001	0.0018	1.1311
LAMA3	1.8589	-0.8212	5.8824	0.0001	0.0018	1.1297
DB456971	1.7691	4.5982	5.8817	0.0001	0.0018	1.1286

KRTAP6-2	1.9599	-6.0583	5.8817	0.0001	0.0018	1.1285
E2F8	2.2727	-5.0017	5.8789	0.0001	0.0018	1.1244
FUT4	1.5052	-0.5212	5.8766	0.0001	0.0018	1.1211
ERI2	-1.4124	-0.6907	-5.8760	0.0001	0.0018	1.1201
AGBL2	-2.6144	-3.1872	-5.8732	0.0001	0.0018	1.1160
NKX3-1	-1.5309	-1.6817	-5.8731	0.0001	0.0018	1.1159
C16orf70	-1.3893	1.0868	-5.8727	0.0001	0.0018	1.1153
ZNF239	2.4366	-1.6110	5.8719	0.0001	0.0018	1.1141
SLC2A10	-2.7576	-0.4609	-5.8703	0.0001	0.0018	1.1117
PAOX	-1.9589	-1.0203	-5.8702	0.0001	0.0018	1.1116
PEBP4	-1.9399	-4.0593	-5.8699	0.0001	0.0018	1.1112
MGC5590	-2.8602	-1.9469	-5.8685	0.0001	0.0018	1.1091
CCDC102A	1.4412	-0.6303	5.8661	0.0001	0.0018	1.1055
TMEM163	3.2451	-3.9487	5.8611	0.0001	0.0018	1.0982
AQP1	2.6348	0.4628	5.8596	0.0001	0.0018	1.0960
SNHG6	1.2774	2.5647	5.8590	0.0001	0.0018	1.0951
TAGLN2	2.2040	3.5568	5.8541	0.0001	0.0018	1.0879
SEBOX	-2.0179	-6.7008	-5.8540	0.0001	0.0018	1.0877
CBX1	1.1949	1.4149	5.8520	0.0001	0.0018	1.0848
ZDHHC8P1	1.5470	-4.7853	5.8520	0.0001	0.0018	1.0848
MGC4294	2.0249	-4.2392	5.8482	0.0001	0.0019	1.0792
C12orf27	-1.6890	0.8394	-5.8479	0.0001	0.0019	1.0787
NT5C	1.1651	2.5746	5.8472	0.0001	0.0019	1.0777
BBX	1.5336	2.5263	5.8454	0.0001	0.0019	1.0750
LOC100128333	-1.7715	-4.2004	-5.8414	0.0001	0.0019	1.0692
RUNDC3B	-5.7833	-3.1714	-5.8405	0.0001	0.0019	1.0678
SH3RF1	1.9648	0.6299	5.8395	0.0001	0.0019	1.0664
HSD11B1	-4.4276	2.5843	-5.8385	0.0001	0.0019	1.0648
S1PR1	-1.8751	0.8980	-5.8343	0.0001	0.0019	1.0587
GALT	-1.3172	0.2951	-5.8343	0.0001	0.0019	1.0585
NUF2	2.0311	-0.7031	5.8326	0.0001	0.0019	1.0562
AFARP1	-2.8924	2.1558	-5.8275	0.0001	0.0019	1.0485
LYPD2	-4.2632	-5.4536	-5.8226	0.0001	0.0019	1.0413
SLC44A3	2.5577	1.0203	5.8225	0.0001	0.0019	1.0411
SFXN5	-1.4103	0.7381	-5.8219	0.0001	0.0019	1.0402
RCN2	1.6525	1.0256	5.8219	0.0001	0.0019	1.0402
POR	-1.3272	2.9647	-5.8205	0.0001	0.0019	1.0382
KIAA1024	2.3670	-2.2190	5.8201	0.0001	0.0019	1.0376
SPRED1	1.5943	-0.2733	5.8186	0.0001	0.0019	1.0354
WDR91	1.4781	-0.5125	5.8164	0.0001	0.0019	1.0320
EPM2A	-1.1914	-1.3058	-5.8147	0.0001	0.0019	1.0297
NAP1L1	1.4528	2.0824	5.8140	0.0001	0.0019	1.0285
ENO3	-3.3541	1.9358	-5.8128	0.0001	0.0019	1.0268

ALDH1L2	1.6610	-1.8433	5.8105	0.0001	0.0019	1.0234
C1orf116	3.2369	-1.4468	5.8092	0.0001	0.0019	1.0214
SLC39A13	1.3516	1.6937	5.8064	0.0001	0.0019	1.0173
PTGFRN	2.0572	1.0787	5.8041	0.0001	0.0019	1.0139
DNM3	2.4602	-2.8221	5.8025	0.0001	0.0019	1.0115
HORMAD2	-3.0130	-5.1371	-5.8022	0.0001	0.0019	1.0111
WNK3	-3.9982	-3.2923	-5.8019	0.0001	0.0019	1.0106
WWC3	1.1508	1.4177	5.8008	0.0001	0.0019	1.0089
SLC10A3	1.1538	-0.2142	5.7991	0.0001	0.0019	1.0064
NAT8B	-4.2122	0.6261	-5.7970	0.0001	0.0020	1.0034
ALDH1A1	-3.7818	3.0632	-5.7917	0.0001	0.0020	0.9954
CTTN	1.1979	1.1576	5.7901	0.0001	0.0020	0.9930
AA627135	1.5855	4.6219	5.7889	0.0001	0.0020	0.9912
MTHFD2	2.6570	0.3447	5.7888	0.0001	0.0020	0.9911
MAML2	1.8144	-0.7893	5.7887	0.0001	0.0020	0.9911
CCL26	2.7425	-2.1718	5.7885	0.0001	0.0020	0.9907
HMGCS1	-1.4011	2.2560	-5.7868	0.0001	0.0020	0.9881
CD14	-1.6959	4.2100	-5.7852	0.0001	0.0020	0.9858
SH2D1B	-1.4791	-2.9543	-5.7851	0.0001	0.0020	0.9857
PLIN4	-2.9271	-0.5485	-5.7832	0.0001	0.0020	0.9828
NRN1	-1.3652	-0.3084	-5.7830	0.0001	0.0020	0.9826
ST3GAL6	-2.2795	1.3790	-5.7827	0.0001	0.0020	0.9821
ZWINT	1.8941	-0.3614	5.7823	0.0001	0.0020	0.9815
MRAP2	2.3770	-2.3298	5.7807	0.0001	0.0020	0.9792
AF075027	2.2874	-1.4976	5.7764	0.0001	0.0020	0.9727
DOLPP1	-1.3673	0.1837	-5.7757	0.0001	0.0020	0.9717
EIF2C2	1.1482	1.2499	5.7689	0.0001	0.0020	0.9615
C5orf13	1.7368	1.3376	5.7680	0.0001	0.0020	0.9602
WNK2	2.9150	-1.5545	5.7680	0.0001	0.0020	0.9602
ABHD14B	-1.6767	0.3220	-5.7625	0.0001	0.0020	0.9520
NFE2L3	1.9172	0.4458	5.7610	0.0001	0.0020	0.9497
UGP2	-1.9705	2.9685	-5.7606	0.0001	0.0020	0.9492
ST14	2.6928	1.4168	5.7573	0.0001	0.0020	0.9443
ZNF727	1.3878	4.2749	5.7573	0.0001	0.0020	0.9443
SKA3	1.9727	-3.2092	5.7569	0.0001	0.0020	0.9437
THOP1	-1.6269	2.4293	-5.7564	0.0001	0.0020	0.9430
ST6GALNAC3	-1.8626	-1.7167	-5.7521	0.0001	0.0020	0.9365
GAPDH	1.3714	3.9565	5.7506	0.0001	0.0020	0.9343
IL18R1	-2.1490	-1.7534	-5.7476	0.0001	0.0021	0.9298
TMEM147	1.4142	2.9541	5.7473	0.0001	0.0021	0.9293
SERPINE2	2.1423	0.8720	5.7465	0.0001	0.0021	0.9281
SLC25A13	-2.1086	2.2919	-5.7463	0.0001	0.0021	0.9279
ZCCHC24	-1.9638	1.5117	-5.7456	0.0001	0.0021	0.9269

THC2530030	-1.7706	2.4634	-5.7450	0.0001	0.0021	0.9260
INHBA	2.1821	1.5092	5.7440	0.0001	0.0021	0.9245
ESM1	3.9655	-2.5402	5.7427	0.0001	0.0021	0.9224
SPTLC3	-2.0083	-0.2317	-5.7420	0.0002	0.0021	0.9214
MOCS1	-2.3059	0.9578	-5.7412	0.0002	0.0021	0.9202
B3GALNT1	2.1437	-2.7560	5.7382	0.0002	0.0021	0.9158
VPS45	1.2281	1.6948	5.7382	0.0002	0.0021	0.9158
C1orf173	-3.7549	-4.6563	-5.7378	0.0002	0.0021	0.9152
SFT2D1	1.2921	1.9989	5.7365	0.0002	0.0021	0.9133
AFMID	-1.5457	1.3630	-5.7354	0.0002	0.0021	0.9115
TUBA1A	1.7927	1.7027	5.7343	0.0002	0.0021	0.9099
G6PC	-2.8517	1.5933	-5.7295	0.0002	0.0021	0.9028
ROR1	2.0397	-2.8187	5.7287	0.0002	0.0021	0.9016
MYOM1	-3.8062	0.3580	-5.7253	0.0002	0.0021	0.8966
TUBB3	4.2265	-1.1400	5.7237	0.0002	0.0021	0.8941
INVS	-1.0697	-0.1415	-5.7235	0.0002	0.0021	0.8939
LRAT	-3.5740	-1.7913	-5.7207	0.0002	0.0021	0.8896
RBP1	-1.9817	1.5726	-5.7197	0.0002	0.0021	0.8881
C1orf105	-2.7715	-4.3190	-5.7188	0.0002	0.0021	0.8868
C4BPB	-4.6502	2.2562	-5.7184	0.0002	0.0021	0.8862
PCTP	-1.6484	1.9822	-5.7169	0.0002	0.0021	0.8840
CCDC38	-3.8872	-3.9150	-5.7165	0.0002	0.0021	0.8833
SMOX	2.1562	-0.3313	5.7154	0.0002	0.0021	0.8816
PMPCA	-1.2184	-1.2136	-5.7148	0.0002	0.0021	0.8808
ANXA6	-1.1413	2.1421	-5.7138	0.0002	0.0021	0.8794
UNC5B	1.8584	1.0626	5.7123	0.0002	0.0021	0.8770
KCND3	-3.2171	0.6926	-5.7122	0.0002	0.0021	0.8769
ADSS	1.0403	1.8833	5.7096	0.0002	0.0021	0.8730
PSAT1	-3.6611	1.2218	-5.7083	0.0002	0.0021	0.8710
ORC1	2.4567	-4.3609	5.7065	0.0002	0.0021	0.8684
C10orf140	-1.9361	-6.3795	-5.7056	0.0002	0.0021	0.8671
RNF125	-2.9706	0.6893	-5.7042	0.0002	0.0021	0.8649
TNFRSF19	1.3575	-1.6211	5.7035	0.0002	0.0021	0.8639
OSBPL3	2.1673	-1.1908	5.7025	0.0002	0.0021	0.8624
DNAH7	1.7790	-5.7030	5.7017	0.0002	0.0021	0.8612
C20orf103	4.4483	-1.2897	5.7011	0.0002	0.0021	0.8603
SORL1	-1.7190	3.0259	-5.6964	0.0002	0.0022	0.8533
ELMO1	-1.1913	-0.2461	-5.6955	0.0002	0.0022	0.8519
RPS15	1.7105	4.7258	5.6943	0.0002	0.0022	0.8500
LSS	-1.9148	-0.9116	-5.6938	0.0002	0.0022	0.8494
DCDC5	-2.3452	-5.9693	-5.6869	0.0002	0.0022	0.8390
MAD2L1	2.0709	-0.5728	5.6869	0.0002	0.0022	0.8389
THNSL1	-2.0895	-0.1987	-5.6862	0.0002	0.0022	0.8380

ASAP1	1.4149	1.5286	5.6851	0.0002	0.0022	0.8363
LRBA	1.0849	2.4451	5.6840	0.0002	0.0022	0.8347
RANBP3L	-4.9905	-1.5093	-5.6840	0.0002	0.0022	0.8347
RELN	-4.0724	-0.2231	-5.6792	0.0002	0.0022	0.8274
EDNRB	-2.2948	1.7889	-5.6785	0.0002	0.0022	0.8265
IQCE	1.6200	-0.4431	5.6769	0.0002	0.0022	0.8240
HIPK2	-1.3198	-1.2173	-5.6729	0.0002	0.0022	0.8180
DTD1	1.3501	1.6114	5.6712	0.0002	0.0022	0.8154
CKAP2L	2.0988	-3.5651	5.6703	0.0002	0.0022	0.8141
GULP1	3.9266	-0.7954	5.6698	0.0002	0.0022	0.8133
EMILIN2	2.0614	0.3482	5.6653	0.0002	0.0022	0.8065
B4GALNT1	2.1542	-2.9718	5.6609	0.0002	0.0022	0.8000
H19	-3.7565	2.5905	-5.6588	0.0002	0.0023	0.7968
C9orf95	-1.4876	1.3366	-5.6566	0.0002	0.0023	0.7935
C12orf32	1.3584	0.4067	5.6559	0.0002	0.0023	0.7924
MTHFS	-2.2025	3.2363	-5.6531	0.0002	0.0023	0.7882
LMNB2	2.0179	0.3555	5.6486	0.0002	0.0023	0.7814
STIL	2.0105	-2.1497	5.6471	0.0002	0.0023	0.7792
ZNF71	1.4519	-1.5003	5.6467	0.0002	0.0023	0.7786
SCARNA9	-1.5178	1.4119	-5.6455	0.0002	0.0023	0.7768
OR7E5P	2.0388	-3.5146	5.6406	0.0002	0.0023	0.7694
ITGB3BP	1.7397	1.2367	5.6402	0.0002	0.0023	0.7687
ERG	-1.2693	-1.7209	-5.6401	0.0002	0.0023	0.7687
LOC148638	1.8886	-5.2537	5.6393	0.0002	0.0023	0.7674
JAM2	-1.0260	-1.5920	-5.6387	0.0002	0.0023	0.7665
ERP27	3.2094	-0.9656	5.6367	0.0002	0.0023	0.7635
SSR2	1.4075	3.3924	5.6359	0.0002	0.0023	0.7623
HIST2H3D	1.1043	3.9590	5.6354	0.0002	0.0023	0.7616
LPL	3.5735	-1.7922	5.6344	0.0002	0.0023	0.7601
BAI3	-2.4192	-4.3133	-5.6309	0.0002	0.0023	0.7548
C6orf48	1.4824	3.2217	5.6276	0.0002	0.0023	0.7498
GPX8	1.9978	0.5224	5.6250	0.0002	0.0023	0.7459
VNN3	-4.0154	-1.5996	-5.6245	0.0002	0.0023	0.7450
AMBP	-4.6360	3.7026	-5.6243	0.0002	0.0023	0.7447
LOC285181	-2.9798	-5.5705	-5.6238	0.0002	0.0023	0.7441
GTF2IRD1	2.1558	0.7697	5.6216	0.0002	0.0023	0.7407
LRFN4	2.4895	-0.7014	5.6213	0.0002	0.0023	0.7402
PTMS	-1.5094	3.2080	-5.6174	0.0002	0.0024	0.7344
TMEM176A	-3.0057	4.2115	-5.6173	0.0002	0.0024	0.7342
CGNL1	-1.9065	2.5183	-5.6160	0.0002	0.0024	0.7323
AJ295982	2.2071	-6.5099	5.6147	0.0002	0.0024	0.7303
ABCD4	-1.5219	-1.3087	-5.6142	0.0002	0.0024	0.7295
ACADM	-2.2102	2.3786	-5.6135	0.0002	0.0024	0.7285

OTX1	3.1753	-2.7405	5.6123	0.0002	0.0024	0.7267
PIP5K1C	1.2457	-0.2456	5.6110	0.0002	0.0024	0.7248
SNX9	-1.0271	1.1488	-5.6107	0.0002	0.0024	0.7242
GPR146	-2.4198	-0.7574	-5.6101	0.0002	0.0024	0.7234
OXTR	2.3075	-0.7342	5.6088	0.0002	0.0024	0.7213
LOC400084	-2.8448	-6.3119	-5.6081	0.0002	0.0024	0.7203
PWWP2B	1.7759	0.6958	5.6013	0.0002	0.0024	0.7101
CLCN3	1.4330	1.2370	5.6012	0.0002	0.0024	0.7099
LOC148413	-1.3399	-0.5411	-5.6005	0.0002	0.0024	0.7089
MYL9	1.4571	1.9642	5.5988	0.0002	0.0024	0.7063
TTYH3	1.2145	0.6917	5.5948	0.0002	0.0024	0.7002
C1orf115	-2.4507	0.7760	-5.5947	0.0002	0.0024	0.7001
TCF19	2.1314	-2.1984	5.5926	0.0002	0.0024	0.6969
SWAP70	1.1676	0.5577	5.5915	0.0002	0.0024	0.6953
GSTO1	-1.4905	2.7782	-5.5911	0.0002	0.0024	0.6947
ZNF367	-1.6230	-3.5158	-5.5907	0.0002	0.0024	0.6941
DECR2	-1.6710	1.5239	-5.5906	0.0002	0.0024	0.6939
KLF11	-1.1849	-1.7116	-5.5896	0.0002	0.0024	0.6924
PDGFC	1.9538	1.5237	5.5856	0.0002	0.0024	0.6863
GALNT10	1.8549	0.6347	5.5855	0.0002	0.0024	0.6861
MEOX1	2.1991	-6.3743	5.5852	0.0002	0.0024	0.6857
NUDT17	1.6391	-0.0665	5.5848	0.0002	0.0024	0.6850
CALM2	1.3030	3.5002	5.5832	0.0002	0.0024	0.6826
DKK4	-1.8809	-4.0123	-5.5812	0.0002	0.0024	0.6796
CXorf36	1.5780	-5.1769	5.5811	0.0002	0.0024	0.6795
FRRS1	-1.9218	-0.4455	-5.5763	0.0002	0.0025	0.6721
AF132973	1.6384	4.8374	5.5741	0.0002	0.0025	0.6688
GALK1	-1.4058	-2.0991	-5.5733	0.0002	0.0025	0.6677
C10orf22	1.1349	1.4328	5.5718	0.0002	0.0025	0.6654
GALP	-2.2186	-4.8033	-5.5707	0.0002	0.0025	0.6638
TMEM53	-1.2368	-1.0481	-5.5625	0.0002	0.0025	0.6512
HTRA3	2.7311	-2.5161	5.5586	0.0002	0.0025	0.6454
C2orf15	1.9101	-2.5434	5.5583	0.0002	0.0025	0.6448
DKFZp686I15217	1.4048	-2.1228	5.5540	0.0002	0.0025	0.6383
CMBL	-3.9416	-2.4287	-5.5530	0.0002	0.0025	0.6367
DGUOK	1.2428	2.6215	5.5463	0.0002	0.0026	0.6266
NUSAP1	1.3327	-0.0737	5.5456	0.0002	0.0026	0.6256
TMEM176B	-3.1849	3.4687	-5.5439	0.0002	0.0026	0.6230
NBPF7	-4.1895	-2.1623	-5.5415	0.0002	0.0026	0.6194
SDCCAG3	-1.1339	1.2830	-5.5408	0.0002	0.0026	0.6183
IGFBP5	2.4076	1.4066	5.5394	0.0002	0.0026	0.6162
HIBCH	-1.2954	2.1802	-5.5383	0.0002	0.0026	0.6144
PLXDC2	1.7712	1.6017	5.5349	0.0002	0.0026	0.6093

SCCPDH	-2.1538	2.4310	-5.5319	0.0002	0.0026	0.6047
SCRIB	1.2107	2.2569	5.5317	0.0002	0.0026	0.6045
STYX	-1.4130	1.8568	-5.5292	0.0002	0.0026	0.6007
MMAB	-2.5711	-0.5228	-5.5292	0.0002	0.0026	0.6006
ADSSL1	-2.8079	0.3091	-5.5272	0.0002	0.0026	0.5976
ARSE	-2.4712	2.2737	-5.5258	0.0002	0.0026	0.5954
TSPO	1.2926	1.8894	5.5256	0.0002	0.0026	0.5952
C12orf38	1.8172	-0.8046	5.5252	0.0002	0.0026	0.5945
EZH2	1.4673	-1.4205	5.5238	0.0002	0.0026	0.5924
FZD4	-1.5690	1.5297	-5.5226	0.0002	0.0026	0.5905
MUT	-2.6133	1.3513	-5.5200	0.0002	0.0026	0.5866
OR10H1	1.4458	-4.7823	5.5198	0.0002	0.0026	0.5864
UHRF1	2.5669	-1.9633	5.5194	0.0002	0.0026	0.5857
SLCO4C1	-4.4136	-2.2405	-5.5192	0.0002	0.0026	0.5853
G0S2	-2.9234	2.7017	-5.5178	0.0002	0.0026	0.5833
PNPLA7	-1.2287	-1.4909	-5.5175	0.0002	0.0026	0.5828
BICC1	3.2206	-2.0642	5.5150	0.0002	0.0026	0.5790
PJA1	1.2313	1.4715	5.5135	0.0002	0.0026	0.5766
HBB	-2.2864	-2.7095	-5.5127	0.0002	0.0026	0.5755
UQCRH	1.3196	3.2251	5.5098	0.0002	0.0026	0.5710
RPL18	1.6158	4.8707	5.5097	0.0002	0.0026	0.5708
C11orf65	-1.9064	-1.8271	-5.5085	0.0002	0.0027	0.5691
HDC	-1.8846	-2.5957	-5.5078	0.0002	0.0027	0.5680
DDR1	1.9836	-0.4263	5.5054	0.0002	0.0027	0.5643
ARL13A	-1.8743	-6.3209	-5.5047	0.0002	0.0027	0.5632
CDR2L	1.4698	-0.7371	5.4995	0.0002	0.0027	0.5553
ZNF587	1.1386	0.4711	5.4961	0.0002	0.0027	0.5502
C4BPA	-4.4057	2.8428	-5.4950	0.0002	0.0027	0.5485
PLCE1	2.2345	-0.8603	5.4924	0.0002	0.0027	0.5445
DYNC1H1	1.4564	3.5697	5.4917	0.0002	0.0027	0.5433
PRR18	-2.3573	-2.6837	-5.4885	0.0002	0.0027	0.5385
CASP2	1.4791	-0.2567	5.4884	0.0002	0.0027	0.5384
PDXP	-2.5188	-0.5595	-5.4877	0.0002	0.0027	0.5373
SH2D3A	2.3974	1.0027	5.4865	0.0002	0.0027	0.5354
hCG_1814486	-1.2535	-6.4949	-5.4845	0.0002	0.0027	0.5323
UAP1	-1.7910	2.7026	-5.4826	0.0002	0.0027	0.5295
CLPX	-1.0092	2.8533	-5.4786	0.0002	0.0027	0.5234
MCAM	1.5801	0.8643	5.4772	0.0002	0.0028	0.5213
MT1E	-3.4332	2.3586	-5.4768	0.0002	0.0028	0.5206
RABEPK	-1.3676	2.1696	-5.4746	0.0002	0.0028	0.5172
NUP62	1.1097	1.8649	5.4729	0.0002	0.0028	0.5146
NGF	-2.0988	-1.6076	-5.4723	0.0002	0.0028	0.5138
LILRA1	-1.2801	-1.3079	-5.4713	0.0002	0.0028	0.5121

HIGD1A	-2.1378	0.0236	-5.4704	0.0002	0.0028	0.5109
RAN	1.2428	2.8976	5.4679	0.0002	0.0028	0.5070
OR56A4	-1.3199	-3.2869	-5.4665	0.0002	0.0028	0.5048
NKAIN2	-2.7133	-5.5781	-5.4659	0.0002	0.0028	0.5039
RNF123	-1.0099	0.0468	-5.4653	0.0002	0.0028	0.5030
PRKAR2A	-1.1272	-0.6989	-5.4618	0.0002	0.0028	0.4976
TP53BP1	1.3825	-1.1683	5.4617	0.0002	0.0028	0.4975
LOC728558	1.1955	-2.7812	5.4556	0.0002	0.0028	0.4882
CCT2	1.3163	3.8779	5.4542	0.0002	0.0028	0.4860
SPRYD5	2.7589	-6.2573	5.4542	0.0002	0.0028	0.4859
LOX	2.3809	-1.7170	5.4517	0.0002	0.0028	0.4822
PPP4R4	-3.9284	-4.4392	-5.4483	0.0002	0.0028	0.4769
RPL37A	1.4730	4.2683	5.4480	0.0002	0.0028	0.4766
C3orf23	-1.5759	0.9741	-5.4477	0.0002	0.0028	0.4761
HIST1H2BB	1.2647	2.5584	5.4474	0.0002	0.0028	0.4755
NLRP6	-2.2636	-5.3010	-5.4471	0.0002	0.0028	0.4751
ARMCX3	1.0718	2.2400	5.4462	0.0002	0.0028	0.4737
LTBP1	1.6841	0.7985	5.4407	0.0002	0.0029	0.4653
SCNM1	1.1661	2.2149	5.4406	0.0002	0.0029	0.4651
C1orf9	1.4561	0.8600	5.4401	0.0002	0.0029	0.4644
STEAP4	-3.8408	-1.1708	-5.4394	0.0002	0.0029	0.4633
LOC732012	1.8975	-1.8408	5.4384	0.0002	0.0029	0.4618
STX6	1.4441	-0.4066	5.4379	0.0002	0.0029	0.4610
LOC643143	-4.4570	-2.2416	-5.4370	0.0002	0.0029	0.4595
WDYHV1	1.3308	0.2031	5.4363	0.0002	0.0029	0.4586
TRMT112	1.0909	4.2456	5.4352	0.0002	0.0029	0.4568
ADRB1	-2.6047	-3.5532	-5.4317	0.0002	0.0029	0.4515
THPO	-3.6924	-2.6060	-5.4313	0.0002	0.0029	0.4508
AP3M2	1.6963	-0.9409	5.4294	0.0002	0.0029	0.4478
S100A10	1.7775	3.5690	5.4293	0.0002	0.0029	0.4478
MDGA2	-2.8766	-4.4668	-5.4288	0.0002	0.0029	0.4470
DSCR1	-2.2620	1.5887	-5.4270	0.0002	0.0029	0.4443
NKX3-2	3.2639	-5.9788	5.4266	0.0002	0.0029	0.4436
TBX10	-2.9569	-4.5369	-5.4256	0.0002	0.0029	0.4421
ANKRD13D	1.0970	-0.5528	5.4243	0.0002	0.0029	0.4400
FGF1	2.7706	-4.5111	5.4238	0.0002	0.0029	0.4393
CSRNP1	-2.1176	-1.1970	-5.4234	0.0002	0.0029	0.4387
C7orf70	1.1009	1.6391	5.4234	0.0002	0.0029	0.4386
TRAM1	1.0050	4.0076	5.4221	0.0002	0.0029	0.4367
LOC646576	-2.1711	-3.9022	-5.4205	0.0002	0.0029	0.4342
ANKRD43	-3.0473	-4.3692	-5.4200	0.0002	0.0029	0.4334
DRP2	2.6208	-5.4239	5.4185	0.0002	0.0029	0.4312
SEPHS2	-1.3707	3.5947	-5.4091	0.0002	0.0030	0.4166

WDHD1	1.9766	-2.1900	5.4063	0.0002	0.0030	0.4124
MTMR10	-1.1815	0.1626	-5.4052	0.0002	0.0030	0.4107
CHEK1	2.1895	-1.6351	5.4043	0.0002	0.0030	0.4093
NXPH4	3.2965	-0.8028	5.4041	0.0002	0.0030	0.4090
AKR1C4	-3.7225	1.5463	-5.4029	0.0002	0.0030	0.4071
HIST1H2BN	1.4102	2.5298	5.4026	0.0002	0.0030	0.4066
SPACA5	-1.6654	-4.1137	-5.4008	0.0002	0.0030	0.4039
ATAD3C	-1.4419	-0.9382	-5.3999	0.0002	0.0030	0.4025
FAM129A	1.7029	1.8071	5.3969	0.0002	0.0030	0.3979
LRRC70	-1.2707	-1.2276	-5.3957	0.0002	0.0030	0.3960
SNTB1	-2.1719	1.4423	-5.3938	0.0002	0.0030	0.3931
GPR84	2.8255	-2.0543	5.3921	0.0002	0.0030	0.3904
SIRT5	-1.6477	-0.3715	-5.3912	0.0003	0.0030	0.3892
LRRC37A2	1.3301	0.8394	5.3906	0.0003	0.0030	0.3882
OAF	-2.6356	0.7271	-5.3903	0.0003	0.0030	0.3877
FAM111B	1.3854	-1.0919	5.3900	0.0003	0.0030	0.3872
VDAC2	1.1896	2.8436	5.3886	0.0003	0.0030	0.3851
NDUFA4L2	2.0185	-1.0848	5.3884	0.0003	0.0030	0.3848
ANAPC2	-1.0617	-1.8790	-5.3852	0.0003	0.0030	0.3798
CHN2	-1.6044	-2.2317	-5.3839	0.0003	0.0030	0.3779
TMEM130	3.7166	-1.0648	5.3838	0.0003	0.0030	0.3776
hCG_26523	1.8302	5.1467	5.3812	0.0003	0.0031	0.3737
GABRE	2.2716	0.1256	5.3785	0.0003	0.0031	0.3694
SIGLEC7	-1.8724	-1.5432	-5.3774	0.0003	0.0031	0.3678
SNORA26	1.4945	-3.1264	5.3753	0.0003	0.0031	0.3646
HS3ST1	2.5375	-0.1484	5.3733	0.0003	0.0031	0.3615
KLB	-4.5623	-0.6423	-5.3700	0.0003	0.0031	0.3564
BEND6	1.6784	-4.8565	5.3698	0.0003	0.0031	0.3561
TBX2	1.1179	0.7705	5.3638	0.0003	0.0031	0.3468
APOBEC3F	1.2174	0.0616	5.3626	0.0003	0.0031	0.3448
MSX2P	1.8318	-3.8538	5.3598	0.0003	0.0031	0.3406
DPYSL3	2.0649	2.1761	5.3590	0.0003	0.0031	0.3394
NUDT1	1.3396	1.2974	5.3585	0.0003	0.0031	0.3386
BCL9	1.3219	-1.7572	5.3575	0.0003	0.0031	0.3370
SNORA73A	1.5090	2.2568	5.3562	0.0003	0.0031	0.3350
SLC16A11	-3.0559	-2.3861	-5.3559	0.0003	0.0031	0.3346
PEX14	-1.5269	1.0914	-5.3546	0.0003	0.0031	0.3326
SLC34A2	3.7898	-1.5916	5.3545	0.0003	0.0031	0.3324
TUBB1	-2.1489	-4.2315	-5.3540	0.0003	0.0031	0.3317
IRX6	2.0703	-5.8976	5.3540	0.0003	0.0031	0.3316
LDHB	1.8718	2.5580	5.3530	0.0003	0.0031	0.3301
DVL1	-1.3356	-1.0888	-5.3524	0.0003	0.0031	0.3291
CCDC106	-1.9151	1.6062	-5.3522	0.0003	0.0031	0.3288

MYLPF	-1.2589	-3.6894	-5.3507	0.0003	0.0032	0.3266
TMPRSS7	2.0834	-6.2381	5.3507	0.0003	0.0032	0.3264
DACH1	-1.7026	-0.9179	-5.3487	0.0003	0.0032	0.3234
C1S	-2.5959	3.4338	-5.3478	0.0003	0.0032	0.3220
KIAA0485	-1.8831	-3.9166	-5.3445	0.0003	0.0032	0.3169
BLM	1.3425	-2.3611	5.3435	0.0003	0.0032	0.3153
NTM	1.3342	-5.6278	5.3434	0.0003	0.0032	0.3152
C9orf30-TMEFF1	2.0846	-1.9008	5.3410	0.0003	0.0032	0.3115
TBX19	1.5773	-1.7193	5.3371	0.0003	0.0032	0.3054
ACSL5	-2.7132	1.1997	-5.3334	0.0003	0.0032	0.2997
STX3	1.6123	0.4560	5.3307	0.0003	0.0032	0.2955
PEA15	1.2713	2.0526	5.3276	0.0003	0.0032	0.2906
RPS24	1.5928	4.4288	5.3268	0.0003	0.0032	0.2895
ARHGAP22	1.7098	-1.6313	5.3259	0.0003	0.0033	0.2881
HIST1H1E	1.0895	3.9124	5.3249	0.0003	0.0033	0.2865
C16orf45	-1.4955	1.1128	-5.3222	0.0003	0.0033	0.2823
RP11-78J21.1	1.1888	3.3419	5.3220	0.0003	0.0033	0.2819
FUCA1	-1.3080	2.8272	-5.3218	0.0003	0.0033	0.2817
NAT14	1.7109	-0.9476	5.3191	0.0003	0.0033	0.2776
PNMA5	-2.4755	-0.6839	-5.3159	0.0003	0.0033	0.2725
FXN	-1.4367	1.6775	-5.3159	0.0003	0.0033	0.2725
LRRC4	-1.5615	-3.2827	-5.3157	0.0003	0.0033	0.2722
LOC283050	2.2013	-3.2480	5.3156	0.0003	0.0033	0.2721
PIGR	-2.9942	0.4504	-5.3127	0.0003	0.0033	0.2675
NBPF3	-1.4500	-0.1122	-5.3116	0.0003	0.0033	0.2658
NPHP1	1.6305	-1.7698	5.3084	0.0003	0.0033	0.2609
CLDN2	-1.7680	-0.6388	-5.3065	0.0003	0.0033	0.2579
SMYD5	1.3586	1.1218	5.3064	0.0003	0.0033	0.2578
TRIM46	1.1604	-3.2642	5.3063	0.0003	0.0033	0.2576
C7orf55	-1.4225	0.5307	-5.3027	0.0003	0.0033	0.2519
VDR	2.1124	1.0922	5.2993	0.0003	0.0034	0.2468
PDE6C	-1.2185	-3.1574	-5.2990	0.0003	0.0034	0.2463
ST3GAL3	-1.3156	-1.4659	-5.2987	0.0003	0.0034	0.2458
BPHL	-1.4321	2.8524	-5.2958	0.0003	0.0034	0.2413
LOC728104	-1.6184	-0.7559	-5.2949	0.0003	0.0034	0.2398
ANO4	2.6944	-5.5263	5.2948	0.0003	0.0034	0.2397
KIAA0556	1.1205	-2.5207	5.2946	0.0003	0.0034	0.2393
LOC442122	1.8955	-3.6348	5.2944	0.0003	0.0034	0.2392
PNMA6C	-2.0069	-1.8811	-5.2917	0.0003	0.0034	0.2349
KCNK4	1.5845	-6.1317	5.2909	0.0003	0.0034	0.2337
TMEM166	-3.4141	1.2654	-5.2895	0.0003	0.0034	0.2314
PEPD	-1.6428	2.6034	-5.2889	0.0003	0.0034	0.2305
ZNF285	2.1322	-2.9056	5.2880	0.0003	0.0034	0.2292

BMP8B	1.5482	-2.9083	5.2842	0.0003	0.0034	0.2232
PPIAL4A	1.2191	2.7378	5.2829	0.0003	0.0034	0.2213
SLC30A1	-1.8605	2.4820	-5.2816	0.0003	0.0034	0.2192
CLDN10	3.6247	-2.6845	5.2810	0.0003	0.0034	0.2183
LARP4	-1.4853	-0.2083	-5.2807	0.0003	0.0034	0.2178
PCOLCE2	-3.5547	-1.0426	-5.2801	0.0003	0.0034	0.2169
NUTF2	1.0704	2.7862	5.2799	0.0003	0.0034	0.2164
KCNMB1	2.0722	-1.0175	5.2768	0.0003	0.0034	0.2117
SAR1B	-1.4315	3.0392	-5.2761	0.0003	0.0034	0.2106
CEACAM6	3.8910	-3.2793	5.2743	0.0003	0.0034	0.2078
ARHGEF10	1.3219	-4.1695	5.2730	0.0003	0.0034	0.2057
SRC	1.1688	0.1348	5.2722	0.0003	0.0034	0.2045
FZD10	3.3018	-2.8887	5.2720	0.0003	0.0034	0.2042
SMARCD3	2.0975	0.3224	5.2700	0.0003	0.0035	0.2011
FLJ32312	-1.4718	-1.3742	-5.2652	0.0003	0.0035	0.1935
FANCF	1.0748	1.0247	5.2647	0.0003	0.0035	0.1928
PYGB	2.2679	1.7905	5.2639	0.0003	0.0035	0.1915
GPR30	-3.9495	1.2216	-5.2636	0.0003	0.0035	0.1911
RCC2	1.2798	1.4009	5.2617	0.0003	0.0035	0.1881
BPGM	1.2767	1.3050	5.2613	0.0003	0.0035	0.1875
CDC45L	2.3717	-1.3234	5.2612	0.0003	0.0035	0.1873
HPGD	-4.4188	0.4443	-5.2609	0.0003	0.0035	0.1868
MGC32805	-4.7744	-3.6326	-5.2599	0.0003	0.0035	0.1853
PKMYT1	1.4860	-0.0075	5.2572	0.0003	0.0035	0.1811
SGK223	1.4353	0.7546	5.2571	0.0003	0.0035	0.1810
C19orf36	-2.6463	-1.5416	-5.2566	0.0003	0.0035	0.1802
SHMT2	-1.2625	3.1421	-5.2552	0.0003	0.0035	0.1780
FERD3L	-1.2402	-2.5432	-5.2540	0.0003	0.0035	0.1761
LOC401188	-1.5553	-3.4581	-5.2532	0.0003	0.0035	0.1748
DCPS	-1.5453	1.5887	-5.2517	0.0003	0.0035	0.1725
ATF7IP2	-1.7869	0.3402	-5.2516	0.0003	0.0035	0.1724
TRIO	1.2415	0.2282	5.2504	0.0003	0.0035	0.1705
ZNF429	1.0708	3.4294	5.2494	0.0003	0.0035	0.1688
RTP3	-6.3877	-0.7750	-5.2484	0.0003	0.0035	0.1673
ZMIZ1	1.1232	-0.0370	5.2476	0.0003	0.0035	0.1662
LASS4	-2.1646	0.2835	-5.2430	0.0003	0.0036	0.1589
MYL12A	1.2392	3.9862	5.2407	0.0003	0.0036	0.1553
CHRNA	-3.2878	-4.8308	-5.2395	0.0003	0.0036	0.1534
LOC731862	1.0890	2.0041	5.2373	0.0003	0.0036	0.1501
LMCD1	1.9348	0.8752	5.2361	0.0003	0.0036	0.1482
TOX2	-1.1954	0.4468	-5.2322	0.0003	0.0036	0.1420
ACSS2	-1.6630	1.4390	-5.2309	0.0003	0.0036	0.1400
INHBE	-2.9758	-0.4146	-5.2306	0.0003	0.0036	0.1395

PRSS23	1.4928	0.7153	5.2302	0.0003	0.0036	0.1389
ARHGAP10	-1.7116	1.1163	-5.2298	0.0003	0.0036	0.1382
KIFC1	1.7873	-1.0345	5.2289	0.0003	0.0036	0.1368
ITPR3	2.1437	-0.9550	5.2286	0.0003	0.0036	0.1364
ENST00000331594	1.1270	-2.4551	5.2284	0.0003	0.0036	0.1360
MLSTD2	1.1017	-0.6165	5.2251	0.0003	0.0036	0.1309
BBS12	1.5193	-0.9359	5.2251	0.0003	0.0036	0.1309
ARHGEF17	1.1411	0.5632	5.2239	0.0003	0.0036	0.1290
GFOD2	-1.1307	-0.8555	-5.2219	0.0003	0.0036	0.1258
HGF	-1.6992	-0.7115	-5.2213	0.0003	0.0036	0.1249
MYO7A	-2.3174	-0.9923	-5.2207	0.0003	0.0036	0.1240
CMTM8	-2.1500	0.5863	-5.2178	0.0003	0.0037	0.1194
LOC648633	1.2020	3.1448	5.2159	0.0003	0.0037	0.1166
C14orf21	-1.3051	-1.9092	-5.2147	0.0003	0.0037	0.1146
FAM49B	1.3921	1.2154	5.2144	0.0003	0.0037	0.1141
MMP14	1.8756	-0.7228	5.2133	0.0003	0.0037	0.1124
MCM3	1.3182	2.2153	5.2095	0.0003	0.0037	0.1064
ZFP41	1.2216	-0.3808	5.2092	0.0003	0.0037	0.1059
STAG3	-1.5029	0.3533	-5.2078	0.0003	0.0037	0.1038
MLF1IP	1.7911	-0.6955	5.2076	0.0003	0.0037	0.1035
TCTEX1D2	1.2825	-0.0938	5.2067	0.0003	0.0037	0.1021
RAB23	1.3511	0.5128	5.2067	0.0003	0.0037	0.1021
FDX1	-2.1329	0.6263	-5.2038	0.0003	0.0037	0.0976
HADH	-1.8968	2.5918	-5.2028	0.0003	0.0037	0.0959
RAI1	1.2832	-2.7923	5.2021	0.0003	0.0037	0.0948
44808	-1.5285	0.3202	-5.2000	0.0003	0.0037	0.0915
CRYAB	3.3866	1.8620	5.1995	0.0003	0.0037	0.0907
ENOPH1	1.2708	2.3120	5.1994	0.0003	0.0037	0.0907
GGH	-2.5135	2.4500	-5.1981	0.0003	0.0037	0.0886
GLIS2	1.7649	-0.2503	5.1973	0.0003	0.0037	0.0874
IL27	-4.2341	-3.8761	-5.1964	0.0003	0.0037	0.0860
SEMA4A	1.4836	-1.8137	5.1964	0.0003	0.0037	0.0859
C5orf54	1.5027	-1.1035	5.1959	0.0003	0.0037	0.0851
RP1-177G6.2	-1.1808	-3.9064	-5.1958	0.0003	0.0037	0.0850
FOXD4L2	2.8687	-3.7093	5.1909	0.0003	0.0038	0.0772
PTPRD	-1.6245	-0.9485	-5.1865	0.0003	0.0038	0.0704
CNGA1	-3.8798	-1.4411	-5.1844	0.0003	0.0038	0.0670
PLAC8	-1.5355	-2.6157	-5.1834	0.0003	0.0038	0.0655
ADIPOR2	-1.3412	2.2216	-5.1829	0.0003	0.0038	0.0647
MND1	2.0460	-2.0912	5.1824	0.0003	0.0038	0.0640
C4orf19	-2.2979	0.2773	-5.1817	0.0003	0.0038	0.0628
UBE2A	1.0924	2.3109	5.1813	0.0003	0.0038	0.0622
MCTP2	1.6387	-2.2571	5.1788	0.0003	0.0038	0.0582

C4orf49	1.2958	-4.2587	5.1769	0.0003	0.0038	0.0553
RCAN3	1.3960	-1.5824	5.1758	0.0003	0.0038	0.0535
RNF44	1.2159	0.7726	5.1753	0.0003	0.0038	0.0528
CS	1.3229	1.8194	5.1736	0.0003	0.0038	0.0500
ODZ4	2.6726	-4.0976	5.1733	0.0003	0.0038	0.0496
PDLIM3	1.6732	-1.0634	5.1702	0.0003	0.0039	0.0447
PLAU	1.9507	0.2666	5.1656	0.0004	0.0039	0.0375
CDC42SE2	1.2788	2.9810	5.1651	0.0004	0.0039	0.0366
LOC643837	-1.6372	-1.2216	-5.1641	0.0004	0.0039	0.0351
LOC728783	3.8743	-0.3570	5.1630	0.0004	0.0039	0.0334
NRARP	1.7729	-0.7250	5.1622	0.0004	0.0039	0.0322
MMAA	-1.2747	0.7868	-5.1552	0.0004	0.0039	0.0210
LOC284454	1.3246	4.6696	5.1549	0.0004	0.0039	0.0205
SPINK1	4.7528	1.4341	5.1526	0.0004	0.0039	0.0171
PFN1	1.2603	4.6872	5.1526	0.0004	0.0039	0.0170
TRAF5	1.7746	-0.3313	5.1508	0.0004	0.0040	0.0141
ABCC6P1	-4.0225	0.7178	-5.1493	0.0004	0.0040	0.0118
KIAA0753	1.2460	-0.0061	5.1488	0.0004	0.0040	0.0110
KIAA1549	2.6426	-2.8030	5.1486	0.0004	0.0040	0.0106
KPNA2	1.3219	2.1887	5.1485	0.0004	0.0040	0.0105
KIAA1683	-1.3772	-3.5103	-5.1475	0.0004	0.0040	0.0090
MOGAT3	-3.5703	-2.7625	-5.1473	0.0004	0.0040	0.0087
IBSP	4.5241	-3.4394	5.1471	0.0004	0.0040	0.0083
SLC24A3	2.8515	-0.6720	5.1462	0.0004	0.0040	0.0069
UBA52	1.2410	4.9336	5.1451	0.0004	0.0040	0.0052
SRD5A1	-1.5997	1.3636	-5.1415	0.0004	0.0040	-0.0005
IBRDC1	-1.6412	-0.4567	-5.1400	0.0004	0.0040	-0.0028
MAN2A2	-1.4433	-0.0402	-5.1359	0.0004	0.0040	-0.0094
LINC00235	-1.0861	-0.6107	-5.1358	0.0004	0.0040	-0.0096
FAM27A	1.1919	-0.7912	5.1328	0.0004	0.0040	-0.0142
ZNF83	1.6922	-0.7050	5.1299	0.0004	0.0040	-0.0188
XTP3TPA	1.1797	2.1409	5.1299	0.0004	0.0040	-0.0189
EBPL	-1.2379	1.6463	-5.1277	0.0004	0.0041	-0.0223
CD163	-1.9708	2.4139	-5.1274	0.0004	0.0041	-0.0227
RPL39L	1.3840	-0.0278	5.1260	0.0004	0.0041	-0.0250
EHBP1	-1.3883	1.8933	-5.1248	0.0004	0.0041	-0.0268
PCDH9	-1.8408	-4.0150	-5.1237	0.0004	0.0041	-0.0286
KERA	1.3628	-7.0243	5.1228	0.0004	0.0041	-0.0301
DDAH1	-1.5688	2.6708	-5.1218	0.0004	0.0041	-0.0316
MPDZ	-2.4086	1.6948	-5.1216	0.0004	0.0041	-0.0319
ZNF816	1.2128	-0.5364	5.1214	0.0004	0.0041	-0.0322
OR8B3	1.9077	-6.4626	5.1202	0.0004	0.0041	-0.0341
FAM83H	1.5214	1.1586	5.1176	0.0004	0.0041	-0.0382

MPI	-1.1062	1.3064	-5.1175	0.0004	0.0041	-0.0384
HSPA4L	1.5328	0.8068	5.1162	0.0004	0.0041	-0.0405
LOC389676	1.7672	-6.4230	5.1160	0.0004	0.0041	-0.0409
HN1	1.3394	2.7098	5.1152	0.0004	0.0041	-0.0421
VGLL4	1.6235	1.3450	5.1147	0.0004	0.0041	-0.0429
CHAD	-4.1763	-2.5811	-5.1126	0.0004	0.0041	-0.0461
ZNF142	1.1524	-0.3903	5.1126	0.0004	0.0041	-0.0461
C4orf14	1.5052	2.3880	5.1119	0.0004	0.0041	-0.0473
TK1	1.7055	1.3623	5.1118	0.0004	0.0041	-0.0474
FAM74A3	-1.8333	-4.1248	-5.1105	0.0004	0.0041	-0.0496
COQ10A	-2.1792	0.4981	-5.1102	0.0004	0.0041	-0.0499
CARKD	-1.1805	0.7249	-5.1064	0.0004	0.0041	-0.0560
ZNF541	-2.7012	-5.2643	-5.1056	0.0004	0.0041	-0.0572
ZSCAN20	1.3334	-4.2593	5.1044	0.0004	0.0042	-0.0592
SMOC1	-2.8203	0.6919	-5.1027	0.0004	0.0042	-0.0618
OGDHL	-3.5277	1.1395	-5.1021	0.0004	0.0042	-0.0628
LOC284889	1.6810	4.4584	5.1015	0.0004	0.0042	-0.0638
A2M	-1.8033	3.9325	-5.1013	0.0004	0.0042	-0.0640
HMOX1	-1.9273	2.3171	-5.1013	0.0004	0.0042	-0.0641
SLC22A5	1.0735	0.1430	5.1007	0.0004	0.0042	-0.0650
PODXL	2.0212	1.4969	5.1005	0.0004	0.0042	-0.0652
HERV-FRD	-1.3236	-4.1570	-5.0989	0.0004	0.0042	-0.0678
SLC39A6	1.6635	0.1739	5.0981	0.0004	0.0042	-0.0690
FAM72A	1.5068	-1.6431	5.0966	0.0004	0.0042	-0.0715
RNFT1	-1.2804	1.2809	-5.0960	0.0004	0.0042	-0.0724
PRKY	1.3474	-0.1739	5.0957	0.0004	0.0042	-0.0729
LARS	1.0673	0.0069	5.0953	0.0004	0.0042	-0.0736
FAT1	2.2035	1.9565	5.0933	0.0004	0.0042	-0.0768
B2M	1.6407	5.1278	5.0927	0.0004	0.0042	-0.0776
SPOCK3	-4.0167	-5.2172	-5.0924	0.0004	0.0042	-0.0782
STARD8	-1.3715	-1.5727	-5.0902	0.0004	0.0042	-0.0817
DHCR7	-1.3106	2.5102	-5.0860	0.0004	0.0042	-0.0883
C7orf10	-2.8170	-0.1329	-5.0860	0.0004	0.0042	-0.0883
CEACAM7	3.8724	-3.9694	5.0859	0.0004	0.0042	-0.0884
TSKU	-2.8408	0.3097	-5.0855	0.0004	0.0042	-0.0891
CD518305	-1.0826	-2.9959	-5.0846	0.0004	0.0042	-0.0906
LOC100130155	2.1412	-6.1885	5.0843	0.0004	0.0042	-0.0910
WDR54	1.6532	0.3702	5.0831	0.0004	0.0042	-0.0930
RAB31	1.6588	0.9657	5.0814	0.0004	0.0042	-0.0956
HIST2H2BE	1.3646	-0.1678	5.0760	0.0004	0.0043	-0.1041
CALU	1.4520	3.0865	5.0747	0.0004	0.0043	-0.1062
TMEM50A	1.0800	2.0474	5.0745	0.0004	0.0043	-0.1065
LAMB1	1.1669	-2.2384	5.0744	0.0004	0.0043	-0.1066

NPM1	1.1879	3.3789	5.0739	0.0004	0.0043	-0.1075
KCNN2	-3.5926	0.7029	-5.0738	0.0004	0.0043	-0.1077
ZFP62	1.6035	-0.1745	5.0734	0.0004	0.0043	-0.1082
KAL1	2.1900	-2.6325	5.0727	0.0004	0.0043	-0.1094
IQGAP1	1.3398	0.4413	5.0716	0.0004	0.0043	-0.1112
FGG	-3.8784	3.9555	-5.0709	0.0004	0.0043	-0.1123
HSD17B2	-2.8221	3.1696	-5.0683	0.0004	0.0043	-0.1164
PLA2G1B	-1.7530	-2.6703	-5.0667	0.0004	0.0043	-0.1189
ZNF701	1.1946	-0.9503	5.0657	0.0004	0.0043	-0.1205
EIF3K	1.1166	4.0246	5.0650	0.0004	0.0043	-0.1216
RASA1	1.1248	1.5144	5.0650	0.0004	0.0043	-0.1216
LRP8	2.3685	-2.2819	5.0638	0.0004	0.0043	-0.1235
CAPS	3.1190	-0.2214	5.0637	0.0004	0.0043	-0.1237
PDCL3	1.2534	1.4728	5.0636	0.0004	0.0043	-0.1239
FLJ36848	-2.0797	-3.7490	-5.0634	0.0004	0.0043	-0.1242
C13orf15	1.6178	1.2061	5.0627	0.0004	0.0043	-0.1253
LOC284561	2.7372	-6.1879	5.0603	0.0004	0.0043	-0.1290
ODF3L2	-1.4236	-2.9229	-5.0598	0.0004	0.0043	-0.1299
MTBP	1.6084	-3.0284	5.0551	0.0004	0.0044	-0.1373
MAP3K1	1.4203	1.3407	5.0540	0.0004	0.0044	-0.1391
SLC34A1	-2.0638	-4.0356	-5.0510	0.0004	0.0044	-0.1439
LOC100131541	1.3225	-4.0615	5.0499	0.0004	0.0044	-0.1456
ENST00000285605	1.7125	1.7996	5.0451	0.0004	0.0044	-0.1533
MSRB3	2.0045	0.5770	5.0436	0.0004	0.0044	-0.1556
FAM20A	-3.3731	0.3844	-5.0417	0.0004	0.0044	-0.1587
LOC100287477	1.1320	-5.7449	5.0414	0.0004	0.0044	-0.1591
IGBP1	1.1806	1.7141	5.0413	0.0004	0.0044	-0.1592
KIAA1407	1.2412	-1.6824	5.0413	0.0004	0.0044	-0.1593
CCDC64B	1.4079	2.4432	5.0378	0.0004	0.0045	-0.1648
ARL5B	-1.3495	-0.7509	-5.0370	0.0004	0.0045	-0.1662
FAM66A	1.0903	-0.9091	5.0364	0.0004	0.0045	-0.1672
PSORS1C1	3.5116	-2.6095	5.0356	0.0004	0.0045	-0.1684
MIER2	1.2518	0.5613	5.0354	0.0004	0.0045	-0.1687
PCYOXIL	1.5183	0.2305	5.0353	0.0004	0.0045	-0.1689
ARHGAP11A	1.8693	-3.5766	5.0352	0.0004	0.0045	-0.1691
LPCAT3	-2.0162	1.1663	-5.0338	0.0004	0.0045	-0.1712
TAGLN	2.0377	3.0648	5.0320	0.0004	0.0045	-0.1742
LDB2	-1.1871	0.2811	-5.0319	0.0004	0.0045	-0.1743
LINC00470	-1.5124	-4.7672	-5.0304	0.0004	0.0045	-0.1767
RPS3	1.7143	4.2459	5.0301	0.0004	0.0045	-0.1772
ODZ1	-3.7403	-4.1104	-5.0294	0.0004	0.0045	-0.1783
RN18S1	1.0756	4.2647	5.0269	0.0004	0.0045	-0.1823
FAM9B	-4.4864	-3.8641	-5.0267	0.0004	0.0045	-0.1825

ATP6V0E1	1.2307	3.5913	5.0264	0.0004	0.0045	-0.1831
VTCN1	3.4589	-3.0043	5.0242	0.0004	0.0045	-0.1866
CNNM4	1.7775	-0.1690	5.0234	0.0004	0.0045	-0.1879
RER1	-1.0128	2.3876	-5.0231	0.0004	0.0045	-0.1883
GRPEL2	1.1751	0.7646	5.0226	0.0004	0.0045	-0.1891
LOC388523	1.1301	3.0502	5.0224	0.0004	0.0045	-0.1894
C12orf39	-1.7875	-5.5184	-5.0213	0.0004	0.0045	-0.1912
MDK	3.4937	2.2271	5.0212	0.0004	0.0045	-0.1914
F5	-3.6797	1.1597	-5.0204	0.0004	0.0045	-0.1926
MLYCD	-2.1370	0.4664	-5.0188	0.0004	0.0045	-0.1952
PRMT2	1.2715	0.7700	5.0173	0.0004	0.0046	-0.1976
C17orf28	2.1571	0.0957	5.0156	0.0004	0.0046	-0.2002
B3GNT3	3.1463	0.0761	5.0154	0.0004	0.0046	-0.2005
HIST1H3D	1.0003	3.1022	5.0152	0.0004	0.0046	-0.2008
KRTAP21-1	1.7831	-3.9784	5.0143	0.0004	0.0046	-0.2024
AY358167	1.5882	-5.8534	5.0135	0.0004	0.0046	-0.2037
ZNF292	1.2522	-0.4942	5.0134	0.0004	0.0046	-0.2038
AP4M1	1.1068	-1.1823	5.0132	0.0004	0.0046	-0.2041
N4BP2	-1.3772	-0.3692	-5.0131	0.0004	0.0046	-0.2042
NUDT11	3.8085	-4.4845	5.0127	0.0004	0.0046	-0.2049
AK026697	3.0935	-2.0679	5.0125	0.0004	0.0046	-0.2052
SERPINA6	-3.8849	3.1982	-5.0124	0.0004	0.0046	-0.2054
TCP10L	-1.8141	-3.7284	-5.0105	0.0004	0.0046	-0.2084
GINS4	1.2997	-1.9089	5.0096	0.0004	0.0046	-0.2098
UHRF1BP1L	-1.1833	-0.6657	-5.0082	0.0004	0.0046	-0.2120
LOC100288018	1.7747	-6.2291	5.0076	0.0004	0.0046	-0.2131
HJURP	1.8977	-2.9939	5.0059	0.0004	0.0046	-0.2158
NEDD4	-1.3447	1.5628	-5.0049	0.0004	0.0046	-0.2173
GDI1	1.1602	1.9802	5.0042	0.0004	0.0046	-0.2185
ACAD10	-1.3775	-0.5950	-5.0041	0.0004	0.0046	-0.2186
UGT2B15	-2.4354	3.5548	-5.0034	0.0004	0.0046	-0.2198
LRRC31	-3.8523	-4.3151	-5.0027	0.0004	0.0046	-0.2209
CDK16	1.2565	1.5699	5.0024	0.0004	0.0046	-0.2214
RAB37	-2.3776	-2.0228	-5.0022	0.0004	0.0046	-0.2217
GPR115	4.2800	-5.1216	5.0015	0.0004	0.0046	-0.2227
C21orf2	-1.2483	-0.7668	-5.0008	0.0005	0.0046	-0.2238
KIF26A	-1.1083	-1.5910	-5.0000	0.0005	0.0046	-0.2251
LOC414300	-1.2668	-7.1128	-4.9999	0.0005	0.0046	-0.2253
LOC253805	-2.2562	-5.4722	-4.9993	0.0005	0.0046	-0.2263
PBK	1.6365	-2.3237	4.9987	0.0005	0.0046	-0.2272
NOL3	1.5486	1.1130	4.9981	0.0005	0.0046	-0.2282
CDC42SE1	1.0349	1.7455	4.9981	0.0005	0.0046	-0.2283
DUSP5P	3.3290	-5.6499	4.9960	0.0005	0.0046	-0.2316

ZNF675	1.1499	3.7930	4.9945	0.0005	0.0046	-0.2340
BTBD10	1.0212	0.3320	4.9940	0.0005	0.0046	-0.2347
OCEL1	-1.9525	0.6238	-4.9931	0.0005	0.0046	-0.2362
HNRNPA1L2	1.1087	3.2410	4.9917	0.0005	0.0047	-0.2384
UFC1	1.4587	3.5921	4.9912	0.0005	0.0047	-0.2393
DAPK3	1.2423	2.7885	4.9911	0.0005	0.0047	-0.2395
COX19	1.6859	-0.8969	4.9892	0.0005	0.0047	-0.2425
AP2B1	1.0307	1.6539	4.9852	0.0005	0.0047	-0.2489
OR1N1	1.1048	-5.5133	4.9833	0.0005	0.0047	-0.2519
FAM201A	2.9616	-1.4559	4.9802	0.0005	0.0047	-0.2569
FSCN1	1.4314	2.9575	4.9796	0.0005	0.0047	-0.2578
BC073976	1.3264	-0.1821	4.9793	0.0005	0.0047	-0.2583
NRL	-1.1934	-1.4180	-4.9783	0.0005	0.0047	-0.2599
S100A12	-3.0946	-1.6854	-4.9783	0.0005	0.0047	-0.2599
APOL5	-2.4336	-5.2505	-4.9774	0.0005	0.0047	-0.2613
PFDN1	1.0126	2.1402	4.9761	0.0005	0.0047	-0.2634
KIF19	-1.0204	-2.5657	-4.9754	0.0005	0.0047	-0.2645
MYL6	1.0970	4.3093	4.9746	0.0005	0.0047	-0.2658
GPC5	-2.1773	-4.6666	-4.9742	0.0005	0.0047	-0.2664
MGC16121	-1.8423	-2.0263	-4.9725	0.0005	0.0048	-0.2692
STC2	3.3977	-0.6215	4.9713	0.0005	0.0048	-0.2711
RAG1	-2.1420	-5.3262	-4.9681	0.0005	0.0048	-0.2762
MRC1	-2.5736	1.4816	-4.9680	0.0005	0.0048	-0.2763
C9orf147	-1.4476	-5.1859	-4.9678	0.0005	0.0048	-0.2767
MTX2	1.0092	2.9472	4.9668	0.0005	0.0048	-0.2784
FXVD6	-1.1246	1.3542	-4.9665	0.0005	0.0048	-0.2788
TMBIM6	-1.5773	2.9499	-4.9657	0.0005	0.0048	-0.2800
ATP6V1H	1.1143	0.3104	4.9595	0.0005	0.0048	-0.2899
TMSB4X	1.4630	3.8596	4.9580	0.0005	0.0048	-0.2924
SEL1L3	1.8751	2.5013	4.9568	0.0005	0.0048	-0.2943
SIRT3	-1.2853	0.6193	-4.9566	0.0005	0.0048	-0.2947
PTPRR	1.4476	-5.3979	4.9530	0.0005	0.0049	-0.3004
EPS8L1	2.7276	-2.2833	4.9526	0.0005	0.0049	-0.3011
TMOD2	1.4927	-0.4039	4.9523	0.0005	0.0049	-0.3016
TOLLIP	-1.4187	1.4052	-4.9503	0.0005	0.0049	-0.3048
ELOVL7	3.7967	-1.2436	4.9499	0.0005	0.0049	-0.3054
PAPSS1	2.0742	1.5855	4.9499	0.0005	0.0049	-0.3055
APLNR	-2.1541	-0.5020	-4.9485	0.0005	0.0049	-0.3076
RRM2	1.9401	-2.2713	4.9481	0.0005	0.0049	-0.3082
ACTN4	1.1560	2.6979	4.9480	0.0005	0.0049	-0.3085
LOC728099	-1.4371	-7.1024	-4.9479	0.0005	0.0049	-0.3087
PFN3	-2.7804	-3.8933	-4.9473	0.0005	0.0049	-0.3095
USP1	1.2355	2.8910	4.9470	0.0005	0.0049	-0.3100

LOC100130938	1.9048	-4.5927	4.9462	0.0005	0.0049	-0.3114
RPS8	1.8254	4.6615	4.9454	0.0005	0.0049	-0.3125
C16orf88	1.3315	0.7437	4.9438	0.0005	0.0049	-0.3152
GUSB	-1.1130	2.8418	-4.9423	0.0005	0.0049	-0.3175
SLC25A33	-1.7170	0.7803	-4.9422	0.0005	0.0049	-0.3177
HYAL1	-3.0476	2.2587	-4.9421	0.0005	0.0049	-0.3178
KLC4	-1.3337	-1.8546	-4.9415	0.0005	0.0049	-0.3189
NT5C3	1.8351	1.4241	4.9411	0.0005	0.0049	-0.3195
HINT2	-1.4269	3.3224	-4.9411	0.0005	0.0049	-0.3196
LRRC28	-1.9689	0.3669	-4.9396	0.0005	0.0049	-0.3219
TMEM110	-1.6142	0.0748	-4.9383	0.0005	0.0049	-0.3240
PIGV	-1.7135	0.5695	-4.9379	0.0005	0.0049	-0.3247
TMEM119	2.4594	-0.3798	4.9375	0.0005	0.0049	-0.3252
LOC642924	-2.4437	-6.4801	-4.9357	0.0005	0.0049	-0.3282
DEPDC1B	3.3382	-3.4272	4.9352	0.0005	0.0049	-0.3290
PDE5A	2.2115	0.2289	4.9350	0.0005	0.0049	-0.3293
CD59	2.2789	0.3814	4.9347	0.0005	0.0049	-0.3298
MYH7B	-1.2306	-2.6578	-4.9328	0.0005	0.0050	-0.3329
LOC541471	2.2366	-0.0310	4.9323	0.0005	0.0050	-0.3337
NSMCE2	1.2929	1.7688	4.9321	0.0005	0.0050	-0.3340
PKDREJ	-1.3981	-4.8039	-4.9299	0.0005	0.0050	-0.3375
DHRS3	-1.3816	3.8966	-4.9281	0.0005	0.0050	-0.3404
NEU4	-4.8111	-1.7940	-4.9263	0.0005	0.0050	-0.3433
TMEM158	1.7897	-1.5879	4.9263	0.0005	0.0050	-0.3433
EVC	2.2857	-1.4302	4.9248	0.0005	0.0050	-0.3458
ZNF512	1.2882	-0.7399	4.9247	0.0005	0.0050	-0.3458
NCAM1	-2.5681	-3.1006	-4.9239	0.0005	0.0050	-0.3471
PAIP2B	-2.7027	-1.8493	-4.9238	0.0005	0.0050	-0.3472
MARCKSL1	1.3985	2.0626	4.9226	0.0005	0.0050	-0.3493
TCF4	1.0665	2.6858	4.9199	0.0005	0.0050	-0.3535
HLA-DRB6	-1.9080	-4.0420	-4.9141	0.0005	0.0051	-0.3629
TDRD1	-2.2469	-4.2099	-4.9141	0.0005	0.0051	-0.3630
C6orf191	1.2740	-4.8453	4.9118	0.0005	0.0051	-0.3666
EFCAB7	1.2891	0.0129	4.9079	0.0005	0.0051	-0.3729
GUSBP11	-1.1640	1.4529	-4.9071	0.0005	0.0051	-0.3742
ZNF503-AS1	-2.1742	-3.4411	-4.9058	0.0005	0.0051	-0.3763
AK4	-2.4136	1.0199	-4.9053	0.0005	0.0051	-0.3771
SSR4	1.3028	4.3919	4.9042	0.0005	0.0051	-0.3789
APOD	2.1089	-0.5062	4.9037	0.0005	0.0051	-0.3796
TMEM59L	2.2320	-3.7530	4.9009	0.0005	0.0052	-0.3842
PANK1	-2.3393	1.5261	-4.8992	0.0005	0.0052	-0.3869
NT5DC1	-1.5831	1.4328	-4.8987	0.0005	0.0052	-0.3877
DYRK2	1.2858	0.9569	4.8967	0.0005	0.0052	-0.3909

CFB	-3.2090	3.7531	-4.8966	0.0005	0.0052	-0.3912
PGM5	-1.2398	-1.9025	-4.8962	0.0005	0.0052	-0.3918
GPHA2	-1.0535	-4.3217	-4.8947	0.0005	0.0052	-0.3941
PPP1R3C	-2.5610	1.8889	-4.8946	0.0005	0.0052	-0.3942
RNF185	-1.1288	-0.2028	-4.8945	0.0005	0.0052	-0.3945
EEF1D	1.2089	3.1627	4.8930	0.0005	0.0052	-0.3969
PHLDA2	2.5636	0.3220	4.8926	0.0005	0.0052	-0.3975
SLC12A2	1.9358	1.3641	4.8895	0.0005	0.0052	-0.4026
TARBP1	1.1188	0.0535	4.8882	0.0005	0.0052	-0.4046
DNER	5.2370	-4.0165	4.8864	0.0005	0.0052	-0.4076
NKX2-8	1.1016	-5.5929	4.8846	0.0005	0.0052	-0.4104
SERPING1	-1.8536	1.4301	-4.8819	0.0005	0.0053	-0.4149
ZBTB4	1.4066	1.8675	4.8808	0.0005	0.0053	-0.4165
E2F2	1.8932	-1.8966	4.8804	0.0005	0.0053	-0.4173
SURF1	-1.2200	2.0730	-4.8800	0.0005	0.0053	-0.4178
TREM2	3.2255	-0.2900	4.8799	0.0005	0.0053	-0.4180
ATP1A1	1.6739	-0.1460	4.8797	0.0005	0.0053	-0.4183
ORMDL3	-1.6740	2.5977	-4.8792	0.0005	0.0053	-0.4192
BAIAP3	-1.6644	-2.0995	-4.8775	0.0005	0.0053	-0.4220
ETV4	3.2912	-2.4940	4.8771	0.0005	0.0053	-0.4225
PTMA	1.1835	3.5715	4.8744	0.0005	0.0053	-0.4268
KRTCAP2	1.2353	4.4453	4.8733	0.0005	0.0053	-0.4287
HMGXB3	1.2458	1.7480	4.8724	0.0005	0.0053	-0.4301
TCF12	1.0689	1.3896	4.8724	0.0005	0.0053	-0.4301
FAM189B	1.2939	-0.1372	4.8716	0.0006	0.0053	-0.4314
WIPI1	1.0810	2.0622	4.8711	0.0006	0.0053	-0.4323
FAM127B	1.6569	1.3235	4.8703	0.0006	0.0053	-0.4336
ATP2C2	5.1131	-2.9394	4.8689	0.0006	0.0053	-0.4358
MBD5	2.0137	-0.7907	4.8684	0.0006	0.0053	-0.4366
TIMP1	2.4731	4.1062	4.8646	0.0006	0.0054	-0.4427
GPRC5C	-2.1248	-0.2862	-4.8644	0.0006	0.0054	-0.4431
CRADD	-1.3361	1.5074	-4.8640	0.0006	0.0054	-0.4437
LOC648771	1.3722	4.5091	4.8634	0.0006	0.0054	-0.4446
E2F7	2.3344	-4.7947	4.8615	0.0006	0.0054	-0.4477
FAM57A	1.8863	-0.1771	4.8585	0.0006	0.0054	-0.4525
H2BFXP	3.2158	-4.7556	4.8579	0.0006	0.0054	-0.4536
EMID1	-1.7271	-1.8108	-4.8575	0.0006	0.0054	-0.4542
LOC284242	-1.2785	-1.8158	-4.8573	0.0006	0.0054	-0.4545
RPL4	1.5582	4.8736	4.8554	0.0006	0.0054	-0.4575
UBE2Q2	1.3631	0.2612	4.8551	0.0006	0.0054	-0.4581
MRPL46	-1.4215	2.3968	-4.8544	0.0006	0.0054	-0.4593
RAVER2	1.5453	-1.4448	4.8526	0.0006	0.0054	-0.4622
POLI	1.0112	0.6553	4.8515	0.0006	0.0054	-0.4639

MAP7D1	1.1154	1.6461	4.8514	0.0006	0.0054	-0.4640
ITGB5	1.2884	3.1016	4.8511	0.0006	0.0054	-0.4645
MCM6	1.3761	1.0433	4.8502	0.0006	0.0054	-0.4660
ELOVL1	1.6058	2.1109	4.8493	0.0006	0.0055	-0.4675
SLC26A1	-1.4935	-2.4031	-4.8481	0.0006	0.0055	-0.4693
SLC22A2	-1.3321	-6.3825	-4.8466	0.0006	0.0055	-0.4718
USP17	1.4797	-3.8489	4.8465	0.0006	0.0055	-0.4720
SELM	1.9532	1.8112	4.8444	0.0006	0.0055	-0.4754
CES2	-1.2409	2.4843	-4.8440	0.0006	0.0055	-0.4761
DOK5	1.9440	-2.9457	4.8435	0.0006	0.0055	-0.4768
TFF2	-3.1637	-3.8121	-4.8431	0.0006	0.0055	-0.4775
NAA11	-1.0761	2.6464	-4.8426	0.0006	0.0055	-0.4783
MAMDC4	-3.2071	-0.4040	-4.8420	0.0006	0.0055	-0.4793
DIO3OS	-2.9175	-3.1440	-4.8412	0.0006	0.0055	-0.4805
IL17RC	-1.5671	-0.3444	-4.8412	0.0006	0.0055	-0.4806
RPL36	1.2557	4.4168	4.8407	0.0006	0.0055	-0.4813
KIAA1409	-1.2653	-7.1329	-4.8396	0.0006	0.0055	-0.4832
MKI67	2.6774	-2.2847	4.8393	0.0006	0.0055	-0.4837
CAPN6	2.4595	-0.7042	4.8364	0.0006	0.0055	-0.4884
OR51E2	1.6330	-6.4889	4.8349	0.0006	0.0055	-0.4908
PQLC2	1.1588	4.6250	4.8309	0.0006	0.0056	-0.4972
NEXN	1.7429	1.0742	4.8302	0.0006	0.0056	-0.4984
LMNA	1.1966	3.1002	4.8300	0.0006	0.0056	-0.4987
CRLS1	-1.5208	1.7867	-4.8291	0.0006	0.0056	-0.5002
IFT88	-1.2856	0.4276	-4.8277	0.0006	0.0056	-0.5024
SC5DL	-2.0770	-0.0446	-4.8269	0.0006	0.0056	-0.5038
SFTPC	-1.8746	-0.9164	-4.8268	0.0006	0.0056	-0.5039
SLC7A8	-1.5664	-1.7654	-4.8262	0.0006	0.0056	-0.5049
SPATS2	1.2497	0.0698	4.8252	0.0006	0.0056	-0.5065
TMEM144	2.0977	-1.4302	4.8252	0.0006	0.0056	-0.5066
ETFA	-1.2576	3.5510	-4.8225	0.0006	0.0056	-0.5109
GRAP	-1.4696	-3.0970	-4.8224	0.0006	0.0056	-0.5110
ANKRD56	-3.4570	-2.1355	-4.8215	0.0006	0.0056	-0.5125
AVPI1	-1.8385	1.9536	-4.8198	0.0006	0.0056	-0.5152
BMP5	-2.3045	-1.0388	-4.8189	0.0006	0.0056	-0.5167
NOS3	-1.0544	0.3880	-4.8158	0.0006	0.0057	-0.5218
ATP10B	1.6560	-1.8338	4.8156	0.0006	0.0057	-0.5221
LPPR1	-3.2681	-1.8571	-4.8156	0.0006	0.0057	-0.5221
MGC70870	1.6478	-0.0278	4.8154	0.0006	0.0057	-0.5224
GSTCD	1.1224	-2.1403	4.8148	0.0006	0.0057	-0.5235
C17orf45	1.1945	3.0211	4.8147	0.0006	0.0057	-0.5235
PRKX	1.6162	-0.4167	4.8140	0.0006	0.0057	-0.5247
SCN8A	-2.7084	-3.5767	-4.8133	0.0006	0.0057	-0.5258

PLEKHB2	1.6916	1.3896	4.8114	0.0006	0.0057	-0.5289
MTHFD1L	1.4350	-0.6619	4.8111	0.0006	0.0057	-0.5293
NADK	-1.5332	0.4529	-4.8093	0.0006	0.0057	-0.5322
LYRM1	-1.4001	1.4033	-4.8084	0.0006	0.0057	-0.5337
FAR1	1.6162	-0.6490	4.8078	0.0006	0.0057	-0.5347
SCRN2	-1.4098	1.2529	-4.8077	0.0006	0.0057	-0.5349
ADAMTSL4	-1.4138	-2.3214	-4.8076	0.0006	0.0057	-0.5350
GEM	2.0005	2.2826	4.8069	0.0006	0.0057	-0.5361
CDC42BPG	2.5375	-4.8592	4.8062	0.0006	0.0057	-0.5373
LOC255167	-2.4156	1.6325	-4.8061	0.0006	0.0057	-0.5376
SPIRE1	1.2333	-0.0402	4.8052	0.0006	0.0057	-0.5390
ENPP5	2.1570	-0.8923	4.8047	0.0006	0.0057	-0.5397
REP15	-1.2114	-1.9873	-4.8044	0.0006	0.0057	-0.5403
C2orf72	-3.1139	-0.5143	-4.8043	0.0006	0.0057	-0.5404
RAB9A	1.5228	2.4329	4.8042	0.0006	0.0057	-0.5405
BDKRB1	3.2419	-3.2033	4.8025	0.0006	0.0057	-0.5434
C10orf32	-1.3231	1.6037	-4.8021	0.0006	0.0057	-0.5440
ITPR2	-2.3575	0.3427	-4.8010	0.0006	0.0057	-0.5457
PI3	3.0901	-0.7464	4.7997	0.0006	0.0057	-0.5479
LZTS2	1.0974	2.7162	4.7992	0.0006	0.0057	-0.5488
ARMCX2	1.8351	0.3240	4.7989	0.0006	0.0057	-0.5491
SLC31A1	-2.0690	1.2777	-4.7989	0.0006	0.0057	-0.5491
PLP1	-1.8265	-2.0125	-4.7971	0.0006	0.0057	-0.5521
H2BFM	2.4921	-2.9603	4.7965	0.0006	0.0057	-0.5531
SEZ6L2	4.1250	-0.4322	4.7959	0.0006	0.0058	-0.5540
RMND5A	-1.1666	0.9274	-4.7956	0.0006	0.0058	-0.5546
RFC4	1.1779	1.5657	4.7949	0.0006	0.0058	-0.5557
CP	-3.4933	3.0961	-4.7937	0.0006	0.0058	-0.5576
SERPINH1	1.1366	1.9545	4.7910	0.0006	0.0058	-0.5621
MDFI	1.2947	1.6304	4.7907	0.0006	0.0058	-0.5625
ANXA1	1.4687	2.6633	4.7902	0.0006	0.0058	-0.5634
AJAP1	2.9134	-3.9729	4.7878	0.0006	0.0058	-0.5673
PAQR9	-3.6041	-1.0910	-4.7854	0.0006	0.0058	-0.5711
CDA	-3.6803	1.1238	-4.7830	0.0006	0.0058	-0.5750
KIF16B	-1.6523	-1.1608	-4.7793	0.0006	0.0059	-0.5811
GPR62	-1.1423	-2.9604	-4.7743	0.0006	0.0059	-0.5892
DDX39A	1.3579	2.6352	4.7717	0.0006	0.0059	-0.5935
ChGn	2.1482	1.0118	4.7706	0.0006	0.0059	-0.5953
GCAT	-3.0030	-1.4116	-4.7704	0.0006	0.0059	-0.5955
LOC440386	-1.0076	-5.4341	-4.7700	0.0006	0.0059	-0.5961
RGS2	2.2813	2.4495	4.7695	0.0006	0.0059	-0.5971
POLQ	1.7215	-3.5255	4.7694	0.0006	0.0059	-0.5972
LRRC3	-2.4231	-1.7540	-4.7693	0.0006	0.0059	-0.5973

ANXA11	1.2615	-0.5530	4.7693	0.0006	0.0059	-0.5973
ITGA11	2.0951	-4.2502	4.7680	0.0006	0.0060	-0.5995
INTS8	1.0795	-0.4662	4.7669	0.0006	0.0060	-0.6012
IFI16	1.4072	2.2421	4.7643	0.0007	0.0060	-0.6056
AGRN	1.8059	1.3632	4.7626	0.0007	0.0060	-0.6083
LYPD1	3.0430	-1.8060	4.7621	0.0007	0.0060	-0.6091
RGS17	3.7446	-5.3677	4.7618	0.0007	0.0060	-0.6095
HEATR4	-1.2989	-4.7085	-4.7610	0.0007	0.0060	-0.6109
FZD2	1.7944	-0.5481	4.7602	0.0007	0.0060	-0.6122
PANK4	-1.0481	-1.3915	-4.7583	0.0007	0.0060	-0.6152
FAM164A	2.2271	-1.5062	4.7583	0.0007	0.0060	-0.6153
C10orf105	-2.1806	-6.0656	-4.7563	0.0007	0.0060	-0.6186
ITGA10	1.1754	-3.5422	4.7558	0.0007	0.0060	-0.6193
OXCT1	2.1250	-0.5433	4.7555	0.0007	0.0060	-0.6198
LOC646936	1.8005	-3.2447	4.7554	0.0007	0.0060	-0.6200
GSN	1.6281	2.5994	4.7532	0.0007	0.0061	-0.6236
RAMP3	-2.4908	-1.3050	-4.7491	0.0007	0.0061	-0.6302
PSKH2	1.4649	-6.8249	4.7483	0.0007	0.0061	-0.6316
SSTR2	-1.7497	-1.5265	-4.7483	0.0007	0.0061	-0.6316
TMTC2	2.3477	-2.9774	4.7467	0.0007	0.0061	-0.6342
RSC1A1	-1.4691	1.3840	-4.7456	0.0007	0.0061	-0.6361
FRAS1	2.3424	-3.2501	4.7444	0.0007	0.0061	-0.6379
PDE6G	-2.5752	-2.4728	-4.7444	0.0007	0.0061	-0.6379
DTHD1	-2.0938	-5.8448	-4.7441	0.0007	0.0061	-0.6385
SCARA5	-1.8475	-1.5618	-4.7439	0.0007	0.0061	-0.6388
MCM2	1.8398	0.5879	4.7425	0.0007	0.0061	-0.6411
PDZRN4	-2.4156	-4.0169	-4.7415	0.0007	0.0061	-0.6427
CMTM3	1.4590	1.3527	4.7415	0.0007	0.0061	-0.6427
CENPM	1.7571	-3.4000	4.7406	0.0007	0.0061	-0.6441
CLC	-3.5332	-4.6025	-4.7397	0.0007	0.0061	-0.6457
DMP1	1.1927	-4.2262	4.7396	0.0007	0.0061	-0.6458
NCR3	-2.0767	-3.8076	-4.7385	0.0007	0.0061	-0.6475
TMSB15B	2.9422	-2.1147	4.7362	0.0007	0.0062	-0.6513
DNAJC6	3.1027	-2.3235	4.7339	0.0007	0.0062	-0.6552
C17orf63	1.1722	0.8363	4.7328	0.0007	0.0062	-0.6568
UBXD6	-2.1889	1.0855	-4.7324	0.0007	0.0062	-0.6576
C21orf33	-1.1807	0.5250	-4.7299	0.0007	0.0062	-0.6616
INTS6	-1.2856	-1.6069	-4.7299	0.0007	0.0062	-0.6617
LOC391766	2.4070	-4.3720	4.7278	0.0007	0.0062	-0.6651
COLEC11	-1.3795	2.8263	-4.7254	0.0007	0.0062	-0.6690
PES1	-1.1738	-0.1389	-4.7253	0.0007	0.0062	-0.6691
ALDH4A1	-2.6348	1.1516	-4.7250	0.0007	0.0062	-0.6696
HNRPA1	1.2611	3.0189	4.7246	0.0007	0.0063	-0.6704

MSN	1.1796	2.9274	4.7228	0.0007	0.0063	-0.6732
C21orf37	-2.5409	-4.2422	-4.7214	0.0007	0.0063	-0.6756
TCEA3	-2.4184	2.6858	-4.7208	0.0007	0.0063	-0.6765
YWHAH	1.4550	2.9673	4.7207	0.0007	0.0063	-0.6767
PCCA	-1.0356	2.9758	-4.7193	0.0007	0.0063	-0.6789
WFDC5	-1.0284	-4.8064	-4.7183	0.0007	0.0063	-0.6806
MANEA	-1.4062	0.7564	-4.7181	0.0007	0.0063	-0.6810
PHF7	-2.5595	-1.4329	-4.7160	0.0007	0.0063	-0.6844
EHD2	1.6349	1.6146	4.7143	0.0007	0.0063	-0.6871
AF315716	-2.0305	-2.6809	-4.7122	0.0007	0.0063	-0.6905
REPS2	-1.3737	0.6705	-4.7115	0.0007	0.0064	-0.6917
PRO0132	-2.3479	-1.9058	-4.7104	0.0007	0.0064	-0.6935
C20orf165	-1.3071	-4.9816	-4.7104	0.0007	0.0064	-0.6936
C11orf71	-1.3678	2.5225	-4.7099	0.0007	0.0064	-0.6943
GXYLT2	2.0359	-2.4158	4.7095	0.0007	0.0064	-0.6949
NLRP14	-3.0353	-4.9734	-4.7091	0.0007	0.0064	-0.6956
CDCA3	1.6654	-2.2169	4.7063	0.0007	0.0064	-0.7002
EEF1G	1.4660	4.3052	4.7049	0.0007	0.0064	-0.7026
EDEM1	-1.3789	1.1537	-4.7047	0.0007	0.0064	-0.7028
THRB	-2.3864	-2.4013	-4.7039	0.0007	0.0064	-0.7042
ENST00000332696	1.1654	3.9560	4.7023	0.0007	0.0064	-0.7068
NCOR2	1.3276	2.9640	4.7021	0.0007	0.0064	-0.7071
RNFT2	2.0221	-2.7499	4.6998	0.0007	0.0064	-0.7109
LOC100128338	2.7499	-1.3989	4.6995	0.0007	0.0064	-0.7113
MACROD1	-1.9179	1.6562	-4.6995	0.0007	0.0064	-0.7114
LPCAT4	1.8214	-2.1560	4.6985	0.0007	0.0064	-0.7129
RIPK2	1.5290	1.8189	4.6982	0.0007	0.0064	-0.7134
TSPAN18	-1.2413	-0.4532	-4.6976	0.0007	0.0064	-0.7144
OFD1	1.2480	0.1548	4.6967	0.0007	0.0065	-0.7159
PRKD1	1.3881	-0.1597	4.6955	0.0007	0.0065	-0.7179
CUX1	1.0768	0.0692	4.6929	0.0007	0.0065	-0.7222
PRKDC	1.3385	1.7266	4.6916	0.0007	0.0065	-0.7244
C14orf161	3.3000	-3.7020	4.6898	0.0007	0.0065	-0.7273
SLMO1	1.9454	-3.0459	4.6832	0.0007	0.0066	-0.7381
DNAJC11	-1.0947	0.2057	-4.6832	0.0007	0.0066	-0.7381
LOC400590	1.3506	5.0986	4.6830	0.0007	0.0066	-0.7384
KIAA1211	1.1012	-4.8684	4.6826	0.0007	0.0066	-0.7390
LOC283481	-1.7527	-0.0012	-4.6795	0.0007	0.0066	-0.7441
DIAPH1	-1.1140	0.8151	-4.6782	0.0007	0.0066	-0.7462
FAM14A	1.5665	2.7148	4.6750	0.0007	0.0066	-0.7515
RPL23A	1.0686	3.1816	4.6736	0.0008	0.0067	-0.7539
RBBP7	1.1817	3.1556	4.6730	0.0008	0.0067	-0.7548
C1QTNF6	1.1972	-0.8831	4.6716	0.0008	0.0067	-0.7571

GPER	-3.5631	-0.6838	-4.6713	0.0008	0.0067	-0.7577
LOC100505564	-1.3021	0.0345	-4.6689	0.0008	0.0067	-0.7615
AGPAT9	-2.2934	1.3243	-4.6675	0.0008	0.0067	-0.7638
PML	1.0714	-0.1716	4.6631	0.0008	0.0067	-0.7710
FMO4	-2.4837	1.0767	-4.6629	0.0008	0.0067	-0.7713
KCNQ3	3.0851	-4.6191	4.6624	0.0008	0.0068	-0.7722
CCDC25	-1.6022	1.2433	-4.6615	0.0008	0.0068	-0.7736
OR1L6	1.2542	-5.2573	4.6597	0.0008	0.0068	-0.7767
LOC100129884	-1.1685	-6.7263	-4.6575	0.0008	0.0068	-0.7803
LEF1	2.0584	-0.9704	4.6558	0.0008	0.0068	-0.7831
CSPG4	2.4562	-1.6849	4.6514	0.0008	0.0068	-0.7904
OGFRL1	1.6607	-0.0224	4.6513	0.0008	0.0068	-0.7904
CHD3	1.4943	-0.7679	4.6510	0.0008	0.0068	-0.7909
HIST1H2AM	1.3092	1.7222	4.6507	0.0008	0.0068	-0.7915
IFT52	1.0677	-0.1876	4.6506	0.0008	0.0068	-0.7915
KLRF1	-2.3062	-2.5226	-4.6488	0.0008	0.0069	-0.7945
PRMT1	1.0837	3.2477	4.6487	0.0008	0.0069	-0.7948
CAMP	-3.8214	-3.1022	-4.6473	0.0008	0.0069	-0.7971
ENAH	1.7645	-2.2642	4.6470	0.0008	0.0069	-0.7975
RALB	1.1052	3.1636	4.6457	0.0008	0.0069	-0.7997
LOC100129069	-2.4938	-1.9394	-4.6457	0.0008	0.0069	-0.7997
TTC38	-2.8921	-0.4481	-4.6456	0.0008	0.0069	-0.7999
FLJ35946	-2.0445	-1.5005	-4.6453	0.0008	0.0069	-0.8003
DCTN5	1.0003	0.1419	4.6444	0.0008	0.0069	-0.8017
FLJ11292	1.3308	2.1594	4.6439	0.0008	0.0069	-0.8026
PDE11A	-3.2823	-2.4056	-4.6436	0.0008	0.0069	-0.8031
CCL24	-1.9253	-2.4379	-4.6421	0.0008	0.0069	-0.8057
KIAA0564	-1.3010	0.1139	-4.6406	0.0008	0.0069	-0.8081
S100A1	1.3829	-1.1761	4.6389	0.0008	0.0069	-0.8109
PID1	-2.7397	1.0351	-4.6383	0.0008	0.0069	-0.8119
C1orf145	2.1208	-4.9058	4.6382	0.0008	0.0069	-0.8121
METTL7B	-3.4413	2.4201	-4.6379	0.0008	0.0069	-0.8125
ENTPD1	1.1205	-3.2017	4.6377	0.0008	0.0069	-0.8128
ENST00000357796	1.0790	4.2910	4.6376	0.0008	0.0069	-0.8130
NOS1	-1.0387	-7.3478	-4.6362	0.0008	0.0069	-0.8154
SBSN	1.0222	-4.8586	4.6360	0.0008	0.0069	-0.8156
GPD2	1.5097	0.1351	4.6360	0.0008	0.0069	-0.8156
GATS	1.7033	-1.1616	4.6356	0.0008	0.0069	-0.8163
HIST1H2AC	1.0932	1.4873	4.6356	0.0008	0.0069	-0.8164
ZCWPW1	-1.8339	-0.6883	-4.6353	0.0008	0.0069	-0.8169
APOA4	-4.7310	-2.2912	-4.6350	0.0008	0.0069	-0.8173
GLDC	-4.0415	1.0578	-4.6349	0.0008	0.0069	-0.8174
MAB21L3	-2.7435	-5.1420	-4.6338	0.0008	0.0070	-0.8192

LRCH2	1.5216	-2.8748	4.6332	0.0008	0.0070	-0.8202
EBF1	1.3309	-2.9777	4.6323	0.0008	0.0070	-0.8218
GFPT2	2.3288	-0.2981	4.6308	0.0008	0.0070	-0.8243
COL8A2	2.3988	-1.6914	4.6294	0.0008	0.0070	-0.8265
TMEM200A	2.6046	-0.0884	4.6282	0.0008	0.0070	-0.8285
ARHGAP11B	1.3702	-2.3239	4.6247	0.0008	0.0070	-0.8343
MGC39900	2.4929	-4.3517	4.6234	0.0008	0.0070	-0.8363
GPR162	-2.0709	-0.2292	-4.6231	0.0008	0.0070	-0.8368
REG1P	-1.2398	-6.3772	-4.6231	0.0008	0.0070	-0.8369
MPP4	1.5754	-5.9932	4.6217	0.0008	0.0071	-0.8391
PNMA6A	-1.5786	-3.3276	-4.6215	0.0008	0.0071	-0.8395
SDHB	-1.3644	2.7930	-4.6205	0.0008	0.0071	-0.8411
CD160	-1.8402	-4.2800	-4.6205	0.0008	0.0071	-0.8411
SYT8	2.0723	-1.7816	4.6205	0.0008	0.0071	-0.8412
TMEM67	2.0902	-2.4893	4.6194	0.0008	0.0071	-0.8431
HK2	2.0422	-1.5890	4.6174	0.0008	0.0071	-0.8463
TREX2	2.1969	-6.2379	4.6168	0.0008	0.0071	-0.8473
PAQR4	2.0979	-3.0618	4.6151	0.0008	0.0071	-0.8501
LIN7A	-1.9629	1.4536	-4.6143	0.0008	0.0071	-0.8514
PRKCD	1.2524	1.1849	4.6141	0.0008	0.0071	-0.8518
ZDHHC1	1.7960	-0.7434	4.6139	0.0008	0.0071	-0.8521
HSD17B8	-2.6331	1.7553	-4.6136	0.0008	0.0071	-0.8526
DUSP18	1.2072	-3.8260	4.6126	0.0008	0.0071	-0.8541
ENST00000324328	-2.2935	-2.3680	-4.6124	0.0008	0.0071	-0.8545
IDH1	-1.5737	2.7014	-4.6122	0.0008	0.0071	-0.8548
SH3GL2	-1.7869	-5.9423	-4.6122	0.0008	0.0071	-0.8549
ELL2	-2.2002	1.2883	-4.6105	0.0008	0.0071	-0.8576
PTPRE	1.1688	0.2127	4.6075	0.0008	0.0072	-0.8626
CDK2AP1	1.4971	3.3302	4.6066	0.0008	0.0072	-0.8641
EHF	3.4051	-1.6887	4.6063	0.0008	0.0072	-0.8645
CEP170	1.1481	-0.4710	4.6045	0.0008	0.0072	-0.8675
VEZF1	1.1691	2.6197	4.6022	0.0008	0.0072	-0.8713
LOC388242	2.0178	-2.5313	4.6002	0.0008	0.0072	-0.8747
ERC2	2.0846	-6.1896	4.5989	0.0008	0.0072	-0.8768
EPHB2	2.5493	-1.5294	4.5989	0.0008	0.0072	-0.8768
FAM100A	-1.0005	0.3228	-4.5958	0.0008	0.0073	-0.8820
CMTM4	1.7906	0.9051	4.5950	0.0009	0.0073	-0.8833
OR2H2	1.2995	-4.2140	4.5929	0.0009	0.0073	-0.8866
RN7SK	1.1121	3.9754	4.5912	0.0009	0.0073	-0.8896
UPP2	-4.9275	-2.4626	-4.5905	0.0009	0.0073	-0.8906
CLMN	-1.1967	0.9439	-4.5899	0.0009	0.0073	-0.8916
SH3BGRL	1.0094	2.7337	4.5895	0.0009	0.0073	-0.8923
P4HA2	1.4578	0.9392	4.5869	0.0009	0.0073	-0.8967

44813	1.0732	2.7237	4.5869	0.0009	0.0073	-0.8967
UCP1	1.1300	-6.8287	4.5843	0.0009	0.0074	-0.9009
TUBA1C	1.1275	2.9590	4.5843	0.0009	0.0074	-0.9009
MFI2	2.0113	-3.6117	4.5834	0.0009	0.0074	-0.9024
STXBP4	1.6369	-1.3042	4.5831	0.0009	0.0074	-0.9029
C9orf71	-2.2298	-6.0543	-4.5803	0.0009	0.0074	-0.9075
CLIP2	1.9062	-0.3166	4.5784	0.0009	0.0074	-0.9106
LOC730995	1.1292	-0.1240	4.5781	0.0009	0.0074	-0.9112
CCDC126	-1.2930	-2.2253	-4.5758	0.0009	0.0075	-0.9150
CHML	2.1596	0.4300	4.5750	0.0009	0.0075	-0.9163
FOXB1	-1.1647	-0.5513	-4.5742	0.0009	0.0075	-0.9177
ISY1-RAB43	-1.5583	-1.0576	-4.5738	0.0009	0.0075	-0.9183
SPNS2	1.2377	1.9827	4.5729	0.0009	0.0075	-0.9198
LOC283575	-1.5325	-6.5321	-4.5725	0.0009	0.0075	-0.9204
C4orf39	2.0320	-3.6519	4.5720	0.0009	0.0075	-0.9212
C8orf5	2.4638	-5.1507	4.5720	0.0009	0.0075	-0.9212
WDR47	1.3247	-0.7990	4.5706	0.0009	0.0075	-0.9237
SYT7	-2.8237	-0.2760	-4.5703	0.0009	0.0075	-0.9241
DUSP4	2.3579	-0.2451	4.5703	0.0009	0.0075	-0.9242
OR2C3	1.1597	-5.8627	4.5689	0.0009	0.0075	-0.9264
TUBA4A	1.1430	2.2843	4.5675	0.0009	0.0075	-0.9288
LRRC69	1.1852	-4.8711	4.5669	0.0009	0.0075	-0.9297
LOC644339	-1.1364	-1.9961	-4.5668	0.0009	0.0075	-0.9299
LOC280665	-3.9486	-3.2129	-4.5662	0.0009	0.0075	-0.9309
SFXN3	1.3987	2.1960	4.5650	0.0009	0.0075	-0.9328
FLJ23577	1.4132	-4.2123	4.5648	0.0009	0.0075	-0.9332
DIRAS3	-3.0679	-0.7227	-4.5639	0.0009	0.0075	-0.9346
KCNK12	1.7200	-3.7083	4.5634	0.0009	0.0075	-0.9355
RPL30	1.3245	4.3479	4.5625	0.0009	0.0075	-0.9370
MICA	1.1730	1.1110	4.5604	0.0009	0.0076	-0.9404
RNASEH2A	1.3080	1.4738	4.5592	0.0009	0.0076	-0.9425
FAM19A4	1.5505	-3.7116	4.5584	0.0009	0.0076	-0.9438
RAB11FIP5	1.0116	0.7841	4.5582	0.0009	0.0076	-0.9442
C17orf109	1.1517	-3.1271	4.5567	0.0009	0.0076	-0.9465
TRPC4	2.0355	-2.5117	4.5556	0.0009	0.0076	-0.9485
CDHR2	-3.0091	0.4854	-4.5554	0.0009	0.0076	-0.9488
GLYATL3	-2.6041	-6.1531	-4.5554	0.0009	0.0076	-0.9488
FBXO24	-1.5912	-3.7096	-4.5551	0.0009	0.0076	-0.9492
CTSG	-1.5399	-1.0345	-4.5547	0.0009	0.0076	-0.9498
ELOVL4	1.8482	-5.5090	4.5521	0.0009	0.0076	-0.9543
FANCI	1.3674	-0.2856	4.5515	0.0009	0.0076	-0.9552
DTX1	-3.4487	-1.1960	-4.5502	0.0009	0.0077	-0.9573
KDM5B	1.4368	-0.8331	4.5487	0.0009	0.0077	-0.9598

TMEM109	1.0233	0.6272	4.5481	0.0009	0.0077	-0.9608
GGCX	-1.8585	1.8897	-4.5469	0.0009	0.0077	-0.9629
NEURL2	-1.3578	-0.4533	-4.5469	0.0009	0.0077	-0.9629
SEPSECS	-2.0800	-0.5365	-4.5464	0.0009	0.0077	-0.9637
HIST1H2BK	1.0938	2.9115	4.5450	0.0009	0.0077	-0.9659
SUOX	-1.7267	0.2514	-4.5450	0.0009	0.0077	-0.9660
MMRN1	-2.1975	-0.5764	-4.5434	0.0009	0.0077	-0.9687
LDOC1L	1.2395	0.5527	4.5420	0.0009	0.0077	-0.9709
TCF3	1.3267	1.6348	4.5419	0.0009	0.0077	-0.9712
PAM	1.6113	1.3381	4.5403	0.0009	0.0077	-0.9738
S100A3	3.1585	-2.9748	4.5380	0.0009	0.0078	-0.9776
EGR1	-1.3324	2.8973	-4.5375	0.0009	0.0078	-0.9785
OR51G1	1.1144	-7.3976	4.5374	0.0009	0.0078	-0.9786
FSTL1	1.5686	2.3155	4.5367	0.0009	0.0078	-0.9797
NUDT6	-2.1667	0.7835	-4.5365	0.0009	0.0078	-0.9801
CENPV	-2.6438	-0.4204	-4.5364	0.0009	0.0078	-0.9803
MMP10	4.0804	-4.6141	4.5356	0.0009	0.0078	-0.9816
FAM201B	2.0778	-3.7704	4.5336	0.0009	0.0078	-0.9849
GOLPH3L	1.2446	1.6575	4.5328	0.0009	0.0078	-0.9862
LOC729970	-1.9004	-1.4580	-4.5312	0.0009	0.0078	-0.9889
NM_001008491	1.1321	2.4933	4.5305	0.0009	0.0078	-0.9901
MT1DP	-3.7735	-3.1409	-4.5304	0.0009	0.0078	-0.9902
NDUFS8	1.3243	3.6807	4.5294	0.0009	0.0078	-0.9918
ENST00000377836	2.5772	-5.5115	4.5259	0.0009	0.0079	-0.9976
44622	-1.4496	2.3592	-4.5258	0.0009	0.0079	-0.9979
DUOX1	3.5946	-1.6675	4.5235	0.0010	0.0079	-1.0017
DENND5B	-1.6604	-0.3247	-4.5230	0.0010	0.0079	-1.0025
LAPTM4B	2.0379	1.8960	4.5227	0.0010	0.0079	-1.0029
FERMT2	-1.6698	1.9196	-4.5225	0.0010	0.0079	-1.0033
OR7E91P	2.1530	-2.9751	4.5213	0.0010	0.0079	-1.0053
ENOX1	1.7844	-2.6587	4.5211	0.0010	0.0079	-1.0056
KIAA1797	1.3083	1.4927	4.5202	0.0010	0.0079	-1.0072
RPL19	1.3805	4.7664	4.5200	0.0010	0.0079	-1.0074
AURKAIP1	-1.0864	3.0925	-4.5191	0.0010	0.0079	-1.0089
EFHA2	-1.9911	-0.7717	-4.5189	0.0010	0.0079	-1.0093
NAAA	-1.4353	1.0851	-4.5177	0.0010	0.0079	-1.0113
C2orf47	-1.2589	2.3940	-4.5177	0.0010	0.0079	-1.0114
PLEC1	1.2221	0.0844	4.5161	0.0010	0.0079	-1.0139
LOC100133669	-3.1018	-3.4070	-4.5157	0.0010	0.0079	-1.0146
ZNF273	1.2913	-1.1583	4.5143	0.0010	0.0080	-1.0169
SLC25A42	-3.3730	-0.7188	-4.5126	0.0010	0.0080	-1.0197
TMEM206	1.6515	-1.8803	4.5125	0.0010	0.0080	-1.0199
CHN1	1.6028	-1.0503	4.5125	0.0010	0.0080	-1.0199

KIAA0664	-1.6560	0.0830	-4.5123	0.0010	0.0080	-1.0202
C5orf4	-2.0921	1.3947	-4.5120	0.0010	0.0080	-1.0207
BTC	1.9239	-2.2200	4.5111	0.0010	0.0080	-1.0222
PI4K2B	-1.3583	1.5671	-4.5107	0.0010	0.0080	-1.0229
IL2RA	1.5629	-2.2304	4.5079	0.0010	0.0080	-1.0276
SLC27A3	-1.0350	-2.0755	-4.5063	0.0010	0.0080	-1.0303
HMSD	-1.1234	-3.4579	-4.5062	0.0010	0.0080	-1.0304
OR4F4	2.1663	-5.9874	4.5060	0.0010	0.0080	-1.0307
TES	1.7800	0.7980	4.5055	0.0010	0.0080	-1.0315
PADI2	2.3891	-2.9693	4.5055	0.0010	0.0080	-1.0316
SLC25A36	1.7168	0.8558	4.5043	0.0010	0.0081	-1.0336
CELSR1	1.4093	0.4498	4.5041	0.0010	0.0081	-1.0338
SERPINI1	1.7713	-0.6687	4.5027	0.0010	0.0081	-1.0362
C9orf52	-1.4036	-1.6228	-4.5010	0.0010	0.0081	-1.0391
SRPX	-1.8459	0.0169	-4.5006	0.0010	0.0081	-1.0397
SPECC1	2.1431	-1.0913	4.4988	0.0010	0.0081	-1.0427
RUFY1	1.0921	1.8907	4.4977	0.0010	0.0081	-1.0445
RPL22L1	1.5736	3.1221	4.4953	0.0010	0.0081	-1.0485
TMEM51	1.9496	1.2867	4.4942	0.0010	0.0082	-1.0503
NR1H3	-1.4690	2.3761	-4.4908	0.0010	0.0082	-1.0561
FH	-1.4606	2.3229	-4.4904	0.0010	0.0082	-1.0566
MTA3	1.1252	1.6102	4.4902	0.0010	0.0082	-1.0570
JRKL	1.5279	-1.1228	4.4880	0.0010	0.0082	-1.0606
CYTH3	1.2792	0.3018	4.4853	0.0010	0.0083	-1.0652
ADAMTS12	1.9815	-2.0691	4.4831	0.0010	0.0083	-1.0688
SNED1	-1.2545	-3.0711	-4.4829	0.0010	0.0083	-1.0692
OR2J2	1.5168	-5.3443	4.4815	0.0010	0.0083	-1.0715
KRT80	3.4143	-1.9156	4.4802	0.0010	0.0083	-1.0736
BCO2	-2.2559	1.6489	-4.4793	0.0010	0.0083	-1.0752
ACAD8	-1.0087	0.3102	-4.4784	0.0010	0.0083	-1.0767
ZNF449	1.0372	0.4391	4.4778	0.0010	0.0083	-1.0776
ZNF124	1.4819	0.9720	4.4775	0.0010	0.0083	-1.0781
FMOD	1.4633	2.2154	4.4756	0.0010	0.0084	-1.0813
C15orf17	1.2218	-1.2487	4.4753	0.0010	0.0084	-1.0819
LOC729870	2.7022	-5.1354	4.4741	0.0010	0.0084	-1.0838
CYTL1	1.9238	-4.5984	4.4716	0.0010	0.0084	-1.0880
C5orf62	1.6534	1.2588	4.4683	0.0010	0.0084	-1.0936
ANXA4	2.3945	3.0216	4.4664	0.0010	0.0085	-1.0966
CYP3A5	-2.8986	2.6459	-4.4658	0.0010	0.0085	-1.0977
RPL38	1.1436	4.3281	4.4654	0.0010	0.0085	-1.0984
AOC3	-1.6158	2.0191	-4.4641	0.0010	0.0085	-1.1005
MGC12916	-1.6612	-4.3617	-4.4639	0.0010	0.0085	-1.1008
LOC145837	-3.2211	-0.3415	-4.4636	0.0010	0.0085	-1.1013

CD4	-1.3119	3.1515	-4.4636	0.0010	0.0085	-1.1013
TEX9	2.0891	-4.8819	4.4634	0.0010	0.0085	-1.1016
VPS28	1.1206	3.3439	4.4623	0.0011	0.0085	-1.1035
MEX3C	1.2128	1.8584	4.4622	0.0011	0.0085	-1.1036
CX3CL1	1.4243	-0.0144	4.4622	0.0011	0.0085	-1.1037
ZBTB48	-1.1243	0.1473	-4.4608	0.0011	0.0085	-1.1061
ZNF619	-1.0803	-2.2846	-4.4595	0.0011	0.0085	-1.1082
GTF2I	1.0405	-0.2161	4.4582	0.0011	0.0085	-1.1103
MOB3A	1.0006	1.4350	4.4581	0.0011	0.0085	-1.1105
ZNF225	1.0340	2.3007	4.4576	0.0011	0.0085	-1.1114
SERPINB10	-1.3214	-6.8052	-4.4546	0.0011	0.0086	-1.1164
AKR1D1	-2.2245	-3.6632	-4.4527	0.0011	0.0086	-1.1195
PRCP	-1.1480	3.5129	-4.4520	0.0011	0.0086	-1.1207
FAM108C1	1.7949	-0.3798	4.4517	0.0011	0.0086	-1.1212
ISPD	-2.1370	-3.7253	-4.4512	0.0011	0.0086	-1.1220
RAD51AP1	1.7895	-1.6997	4.4510	0.0011	0.0086	-1.1224
TNXB	-1.6890	-0.1785	-4.4498	0.0011	0.0086	-1.1244
HIST1H3E	1.0052	1.3601	4.4480	0.0011	0.0086	-1.1273
MYOT	-2.1208	-4.1758	-4.4480	0.0011	0.0086	-1.1274
CYBA	1.9120	3.8006	4.4478	0.0011	0.0086	-1.1277
LOC283731	1.1513	-4.7126	4.4433	0.0011	0.0087	-1.1353
WDR41	1.1094	1.2433	4.4422	0.0011	0.0087	-1.1370
SLC23A2	-2.2012	-0.2809	-4.4411	0.0011	0.0087	-1.1390
C13orf33	2.1611	-2.0625	4.4409	0.0011	0.0087	-1.1393
LACTB2	-1.0855	2.1307	-4.4403	0.0011	0.0087	-1.1402
RHOC	1.2389	3.7036	4.4400	0.0011	0.0087	-1.1408
KLRD1	-2.6323	-2.1987	-4.4398	0.0011	0.0087	-1.1411
LOC283904	-2.0173	-3.4165	-4.4381	0.0011	0.0087	-1.1438
ACSL4	2.1255	1.0753	4.4378	0.0011	0.0087	-1.1445
COBLL1	-1.8803	1.9205	-4.4376	0.0011	0.0087	-1.1447
COG2	1.1930	1.5436	4.4369	0.0011	0.0087	-1.1460
NSUN5	1.0421	1.6993	4.4368	0.0011	0.0087	-1.1461
AKAP14	-2.3730	-5.0796	-4.4359	0.0011	0.0087	-1.1475
ACR	-1.4879	-3.6935	-4.4353	0.0011	0.0088	-1.1487
LOC285419	1.6211	-6.5632	4.4346	0.0011	0.0088	-1.1497
PYCR1	2.0562	-1.1140	4.4315	0.0011	0.0088	-1.1549
LOC441956	-1.7520	-4.2302	-4.4312	0.0011	0.0088	-1.1555
LOC100134365	1.3242	-4.8868	4.4309	0.0011	0.0088	-1.1559
VMO1	-1.3930	1.2972	-4.4301	0.0011	0.0088	-1.1573
PALM2	-2.3425	-0.6204	-4.4295	0.0011	0.0088	-1.1584
SGIP1	2.4640	-3.0622	4.4294	0.0011	0.0088	-1.1585
BBC3	1.1134	1.3678	4.4294	0.0011	0.0088	-1.1585
ENOSF1	-1.1895	2.5503	-4.4293	0.0011	0.0088	-1.1586

PACS1	1.2939	0.5837	4.4293	0.0011	0.0088	-1.1587
PLA2G16	-1.2286	2.9379	-4.4290	0.0011	0.0088	-1.1592
PLXNA1	1.7545	0.4736	4.4290	0.0011	0.0088	-1.1592
TST	-1.7464	4.2572	-4.4278	0.0011	0.0088	-1.1611
SLN	3.4505	-5.5363	4.4261	0.0011	0.0088	-1.1639
POLR2J2	1.1369	4.1258	4.4250	0.0011	0.0088	-1.1657
CD200R1	-1.6016	-2.1175	-4.4237	0.0011	0.0089	-1.1680
NSMAF	1.1764	1.4084	4.4237	0.0011	0.0089	-1.1680
UXS1	1.4928	1.4699	4.4230	0.0011	0.0089	-1.1691
KIF5B	1.0362	2.1331	4.4211	0.0011	0.0089	-1.1723
RBMY2EP	-1.9341	-5.0954	-4.4203	0.0011	0.0089	-1.1736
C6orf168	3.4144	-5.3774	4.4202	0.0011	0.0089	-1.1738
SCD	-2.2077	1.9592	-4.4200	0.0011	0.0089	-1.1743
ADAM9	1.8481	-2.6918	4.4192	0.0011	0.0089	-1.1754
NUP93	1.0088	1.0078	4.4189	0.0011	0.0089	-1.1760
MXRA7	1.2515	1.8753	4.4182	0.0011	0.0089	-1.1772
SLITRK4	2.4500	-1.5086	4.4177	0.0011	0.0089	-1.1780
SMS	1.0390	2.4692	4.4173	0.0011	0.0089	-1.1787
FLJ45139	-3.3456	-5.3841	-4.4157	0.0011	0.0089	-1.1814
LOC729603	-2.0701	-4.3367	-4.4151	0.0011	0.0089	-1.1823
ANKFN1	1.9232	-6.4100	4.4145	0.0011	0.0089	-1.1834
LOC643988	1.4483	-2.6096	4.4141	0.0011	0.0089	-1.1841
LOC440742	1.7098	-6.3139	4.4131	0.0011	0.0090	-1.1858
IDUA	1.0707	-2.3603	4.4120	0.0011	0.0090	-1.1876
TOMM6	1.0407	4.1142	4.4104	0.0011	0.0090	-1.1903
TMSL8	2.8433	-4.0996	4.4098	0.0011	0.0090	-1.1912
KLHL29	2.0268	-1.2559	4.4088	0.0011	0.0090	-1.1929
CNOT6	1.0918	1.2108	4.4087	0.0011	0.0090	-1.1930
IQCK	1.6350	1.3896	4.4084	0.0011	0.0090	-1.1935
ABHD7	2.6464	-4.6149	4.4082	0.0011	0.0090	-1.1939
LOC729013	-1.0688	0.1671	-4.4077	0.0011	0.0090	-1.1948
KIF2A	1.1235	1.2980	4.4073	0.0011	0.0090	-1.1955
OBSCN	1.2826	-3.6786	4.4060	0.0012	0.0090	-1.1975
CCDC80	2.1919	-0.1957	4.4050	0.0012	0.0090	-1.1993
NETO2	3.2324	-0.9225	4.4045	0.0012	0.0090	-1.2002
ENST00000349097	2.5440	-5.7231	4.4041	0.0012	0.0091	-1.2008
PLEKHB1	2.7162	-0.6574	4.4038	0.0012	0.0091	-1.2013
LOC645262	1.5526	-4.9255	4.4019	0.0012	0.0091	-1.2045
MAP3K13	-1.3748	-1.4130	-4.4012	0.0012	0.0091	-1.2057
UBXN8	-2.1504	1.3788	-4.4006	0.0012	0.0091	-1.2067
KCNJ3	-3.2594	-5.9787	-4.4005	0.0012	0.0091	-1.2068
LOC100130345	-1.0484	-2.5445	-4.3984	0.0012	0.0091	-1.2103
TIAM1	-1.2003	-0.1753	-4.3969	0.0012	0.0091	-1.2129

SDC1	-1.2213	2.0316	-4.3964	0.0012	0.0091	-1.2137
PZP	-3.6597	0.2325	-4.3955	0.0012	0.0091	-1.2151
MRC2	1.5576	2.2112	4.3941	0.0012	0.0092	-1.2175
ANKS4B	-3.0632	-2.7230	-4.3934	0.0012	0.0092	-1.2187
SNORD116-19	1.4226	2.7359	4.3931	0.0012	0.0092	-1.2192
SLC16A2	-2.8839	1.5797	-4.3929	0.0012	0.0092	-1.2196
ZCCHC12	1.5071	-4.7515	4.3928	0.0012	0.0092	-1.2197
CHDH	-1.3377	0.8660	-4.3923	0.0012	0.0092	-1.2206
HAGHL	2.5672	-1.5970	4.3919	0.0012	0.0092	-1.2212
LOC100509763	-2.0277	-6.2261	-4.3918	0.0012	0.0092	-1.2215
KBTBD11	-2.3720	1.6806	-4.3917	0.0012	0.0092	-1.2215
CEACAM19	-1.9016	-1.3138	-4.3915	0.0012	0.0092	-1.2220
C7orf49	1.0822	0.7405	4.3913	0.0012	0.0092	-1.2223
RHBDF2	1.7787	0.8175	4.3907	0.0012	0.0092	-1.2233
EMP1	1.7037	1.3448	4.3906	0.0012	0.0092	-1.2235
NEK11	1.5209	-1.8076	4.3900	0.0012	0.0092	-1.2244
DYNLRB1	1.4194	3.0338	4.3896	0.0012	0.0092	-1.2251
NAGLU	-1.1874	2.6637	-4.3893	0.0012	0.0092	-1.2256
GINS3	1.5568	-0.2583	4.3880	0.0012	0.0092	-1.2278
ZNF580	1.4134	1.3134	4.3871	0.0012	0.0092	-1.2293
PTPRH	-2.6688	0.7306	-4.3860	0.0012	0.0092	-1.2311
LGI4	-1.0505	-1.9600	-4.3856	0.0012	0.0092	-1.2318
PAK1	1.1877	1.3124	4.3852	0.0012	0.0092	-1.2325
ATP1A4	1.6896	-0.4152	4.3852	0.0012	0.0092	-1.2325
ATP2B2	-3.6587	-1.7290	-4.3832	0.0012	0.0092	-1.2358
NCAPG2	1.0375	-0.2048	4.3820	0.0012	0.0093	-1.2379
SUPT3H	1.0899	-3.3960	4.3815	0.0012	0.0093	-1.2386
hCG_1642425	-2.0190	0.5402	-4.3810	0.0012	0.0093	-1.2396
SYTL4	-1.2507	-2.7605	-4.3791	0.0012	0.0093	-1.2427
GALNT5	1.4667	-3.9375	4.3787	0.0012	0.0093	-1.2434
MAPK13	2.1376	0.0173	4.3786	0.0012	0.0093	-1.2435
ZNF439	1.2534	-1.5265	4.3775	0.0012	0.0093	-1.2453
CD300LG	-1.1705	-3.1059	-4.3772	0.0012	0.0093	-1.2458
ADORA2B	2.0080	-1.4589	4.3757	0.0012	0.0093	-1.2484
LRRC37A3	1.1028	-0.5773	4.3755	0.0012	0.0093	-1.2488
OR52K2	1.7746	-6.4361	4.3737	0.0012	0.0093	-1.2517
EFEMP1	2.1231	1.7821	4.3726	0.0012	0.0094	-1.2536
RNU12	-1.7847	-3.8353	-4.3725	0.0012	0.0094	-1.2539
ETFB	-1.1845	3.9886	-4.3724	0.0012	0.0094	-1.2540
TAT	-2.9683	1.4786	-4.3719	0.0012	0.0094	-1.2548
PDE1B	-1.3251	-1.0496	-4.3702	0.0012	0.0094	-1.2576
RUNX1	1.6309	-0.2975	4.3697	0.0012	0.0094	-1.2584
RACGAP1	1.7228	-2.2421	4.3692	0.0012	0.0094	-1.2594

GRP	4.2793	-4.1833	4.3690	0.0012	0.0094	-1.2596
LOC100499183	2.1702	-4.7575	4.3684	0.0012	0.0094	-1.2606
RPGRIP1	-2.2320	-3.7688	-4.3672	0.0012	0.0094	-1.2626
RPS18	1.4564	4.3478	4.3671	0.0012	0.0094	-1.2629
NIT1	-1.3113	1.4294	-4.3663	0.0012	0.0094	-1.2643
ZNF468	1.0635	-0.3240	4.3661	0.0012	0.0094	-1.2646
ALLC	-1.8678	-3.0839	-4.3658	0.0012	0.0094	-1.2650
NMUR1	-1.3668	-1.7016	-4.3654	0.0012	0.0094	-1.2657
DHRS12	-1.1668	-0.1917	-4.3650	0.0012	0.0094	-1.2663
F13A1	2.5201	-0.2471	4.3647	0.0012	0.0094	-1.2668
KCNAB1	-1.2876	-0.7951	-4.3645	0.0012	0.0094	-1.2673
GTSE1	1.4380	-2.4221	4.3636	0.0012	0.0094	-1.2687
CTSL3	1.2366	-5.5910	4.3634	0.0012	0.0094	-1.2691
HIST1H4F	1.0391	2.1103	4.3634	0.0012	0.0094	-1.2691
GUCY2F	1.3820	-6.6795	4.3619	0.0012	0.0094	-1.2715
SLC46A1	-1.7353	1.0158	-4.3619	0.0012	0.0094	-1.2715
ABCA1	-1.7874	1.8583	-4.3618	0.0012	0.0094	-1.2718
SAA3P	-1.4260	-3.9751	-4.3591	0.0012	0.0095	-1.2763
ZNF542	-1.9512	-1.5477	-4.3577	0.0012	0.0095	-1.2786
PDK2	-1.4637	1.2387	-4.3564	0.0012	0.0095	-1.2808
QPRT	-3.1311	2.5190	-4.3562	0.0012	0.0095	-1.2812
RBM34	1.0866	2.7996	4.3558	0.0012	0.0095	-1.2818
LOC100130503	-3.2917	-6.5147	-4.3546	0.0013	0.0095	-1.2839
SCUBE1	-1.5048	-3.8003	-4.3535	0.0013	0.0095	-1.2857
BTF3	1.0686	4.2242	4.3531	0.0013	0.0096	-1.2864
FCRL6	-1.8885	-2.1805	-4.3514	0.0013	0.0096	-1.2892
CENPL	1.2868	-3.5338	4.3513	0.0013	0.0096	-1.2894
BCAT1	2.1803	-1.2358	4.3493	0.0013	0.0096	-1.2928
TACO1	-1.4458	0.8476	-4.3492	0.0013	0.0096	-1.2929
SERPINA1	-2.7500	0.8921	-4.3492	0.0013	0.0096	-1.2929
DLGAP4	1.3461	0.7837	4.3475	0.0013	0.0096	-1.2958
CTSF	-1.4441	2.9053	-4.3470	0.0013	0.0096	-1.2966
ADC	1.2899	-1.5096	4.3452	0.0013	0.0096	-1.2997
RGS10	1.4484	0.8246	4.3448	0.0013	0.0096	-1.3003
CDCP1	2.5649	-1.3589	4.3446	0.0013	0.0096	-1.3007
C1orf79	1.4699	1.6650	4.3434	0.0013	0.0097	-1.3027
ADAMTS17	-3.2109	-4.0891	-4.3416	0.0013	0.0097	-1.3056
ADAM28	3.2383	-2.7214	4.3412	0.0013	0.0097	-1.3064
MLLT11	1.7920	-0.0456	4.3409	0.0013	0.0097	-1.3068
TMPRSS6	-3.7193	-2.1699	-4.3406	0.0013	0.0097	-1.3075
GINS1	1.6768	-2.0743	4.3398	0.0013	0.0097	-1.3088
NEO1	1.4406	0.2896	4.3397	0.0013	0.0097	-1.3089
ELP3	-1.0768	1.5910	-4.3385	0.0013	0.0097	-1.3110

PMCH	1.4655	-3.4073	4.3370	0.0013	0.0097	-1.3134
AS3MT	-1.2104	2.4835	-4.3339	0.0013	0.0098	-1.3187
BLVRB	-1.1674	3.0276	-4.3339	0.0013	0.0098	-1.3188
UBASH3B	2.3761	-6.0450	4.3329	0.0013	0.0098	-1.3203
PUS10	-1.3952	0.0234	-4.3323	0.0013	0.0098	-1.3214
XCL1	-1.9627	-2.5292	-4.3316	0.0013	0.0098	-1.3225
MFSD4	1.6152	-2.2669	4.3311	0.0013	0.0098	-1.3234
PYCARD	1.3388	2.6733	4.3297	0.0013	0.0098	-1.3258
FYN	-1.0957	1.9389	-4.3288	0.0013	0.0098	-1.3272
hCG_1990547	1.0437	-2.4895	4.3276	0.0013	0.0098	-1.3293
NUDT16	-1.2565	-1.3156	-4.3271	0.0013	0.0099	-1.3302
GYS1	1.0609	0.6918	4.3259	0.0013	0.0099	-1.3322
WISP1	1.7108	-3.6981	4.3258	0.0013	0.0099	-1.3324
ENST00000330490	-2.1543	-6.3698	-4.3244	0.0013	0.0099	-1.3347
CYP2U1	-1.0096	0.5077	-4.3239	0.0013	0.0099	-1.3356
AGTR1	-4.4105	0.5274	-4.3233	0.0013	0.0099	-1.3365
C2orf78	-1.3940	-6.1790	-4.3223	0.0013	0.0099	-1.3382
CAMK4	-1.0618	-2.0461	-4.3214	0.0013	0.0099	-1.3397
DECR1	-1.2349	3.4234	-4.3212	0.0013	0.0099	-1.3400
C19orf31	-1.0997	-0.6528	-4.3191	0.0013	0.0100	-1.3436
REEP1	-1.9769	-2.6323	-4.3186	0.0013	0.0100	-1.3444
PACRG	-2.2741	-1.8612	-4.3180	0.0013	0.0100	-1.3454
TTF2	1.0127	-1.7424	4.3177	0.0013	0.0100	-1.3460
IDII	-1.3349	1.9200	-4.3156	0.0013	0.0100	-1.3495
TAP1	1.7383	2.5796	4.3121	0.0013	0.0100	-1.3554
PDZK1IP1	4.2975	1.0685	4.3118	0.0013	0.0100	-1.3560
AK130930	1.4109	3.0731	4.3097	0.0013	0.0101	-1.3595
MOXD1	2.1515	0.6303	4.3088	0.0013	0.0101	-1.3610
AP2A1	-1.1328	-0.8687	-4.3087	0.0013	0.0101	-1.3612
IVNS1ABP	1.2201	0.9522	4.3082	0.0013	0.0101	-1.3620
SLC9A9	-1.4080	1.0481	-4.3075	0.0014	0.0101	-1.3632
MGC2408	-1.0329	1.4055	-4.3053	0.0014	0.0101	-1.3669
RGAG4	-1.2759	-0.4404	-4.3052	0.0014	0.0101	-1.3671
FLJ32955	-1.5929	-6.5054	-4.3052	0.0014	0.0101	-1.3671
SDR9C7	1.6110	-4.6607	4.3049	0.0014	0.0101	-1.3676
FAHD1	-1.6077	-0.1103	-4.3036	0.0014	0.0101	-1.3698
PCYT2	-1.9387	1.1509	-4.3012	0.0014	0.0102	-1.3739
NES	1.6415	-0.7338	4.3012	0.0014	0.0102	-1.3739
C21orf30	-1.7775	-2.6441	-4.2985	0.0014	0.0102	-1.3783
GLIPR2	1.2782	1.4284	4.2982	0.0014	0.0102	-1.3788
SLC43A3	-1.1171	2.4264	-4.2980	0.0014	0.0102	-1.3792
GOLGA6A	-1.1585	-3.3186	-4.2971	0.0014	0.0102	-1.3806
CCDC27	-1.0344	-5.4586	-4.2961	0.0014	0.0102	-1.3824

IPMK	-1.4702	-1.7922	-4.2947	0.0014	0.0102	-1.3847
ACVR1	1.0142	1.2779	4.2946	0.0014	0.0102	-1.3850
NPY1R	-2.1742	0.3849	-4.2932	0.0014	0.0103	-1.3873
RNASE13	-1.4448	-6.6957	-4.2924	0.0014	0.0103	-1.3887
PPP1R14A	1.2618	1.8308	4.2916	0.0014	0.0103	-1.3900
ALAS2	-3.0190	-4.8090	-4.2907	0.0014	0.0103	-1.3916
RPL10L	1.0581	3.5753	4.2903	0.0014	0.0103	-1.3922
NHS	1.6831	-3.4821	4.2900	0.0014	0.0103	-1.3927
SNX7	1.3867	1.9868	4.2888	0.0014	0.0103	-1.3947
RHOV	3.6067	-1.0445	4.2877	0.0014	0.0103	-1.3965
CACNB3	1.8868	-1.4008	4.2872	0.0014	0.0103	-1.3974
SEC23A	-1.3209	1.8652	-4.2853	0.0014	0.0104	-1.4007
C3orf55	3.5170	-4.4250	4.2844	0.0014	0.0104	-1.4021
CR1L	-2.1025	-2.5175	-4.2837	0.0014	0.0104	-1.4033
P2RX6	-1.6776	-6.4925	-4.2830	0.0014	0.0104	-1.4045
LOC81691	-1.5680	-1.6807	-4.2827	0.0014	0.0104	-1.4050
KLC2	1.1187	-1.9346	4.2827	0.0014	0.0104	-1.4051
C1orf63	1.1011	1.4978	4.2822	0.0014	0.0104	-1.4058
ARHGAP44	1.3866	-2.6658	4.2820	0.0014	0.0104	-1.4062
SYT11	1.2864	-2.1400	4.2819	0.0014	0.0104	-1.4064
RAD51AP2	-2.9067	-5.3078	-4.2810	0.0014	0.0104	-1.4079
BDH2	-2.0941	-0.5955	-4.2810	0.0014	0.0104	-1.4080
XRCC6BP1	-1.2199	-0.1016	-4.2803	0.0014	0.0104	-1.4090
FAIM	1.4369	1.6985	4.2802	0.0014	0.0104	-1.4092
TEAD2	1.6804	-1.9575	4.2793	0.0014	0.0104	-1.4108
VSNL1	-4.3182	-0.8463	-4.2787	0.0014	0.0104	-1.4119
LOC284297	1.0688	0.4486	4.2777	0.0014	0.0104	-1.4134
GFRA3	-1.4549	-4.5962	-4.2764	0.0014	0.0104	-1.4156
DNM1P46	-1.4316	1.0954	-4.2759	0.0014	0.0105	-1.4166
SH3D21	1.3430	-3.8913	4.2755	0.0014	0.0105	-1.4173
FAM78B	1.2075	-4.4124	4.2707	0.0014	0.0105	-1.4253
SMR3A	1.2287	-6.8293	4.2699	0.0014	0.0105	-1.4267
PIWIL4	1.0115	-1.5000	4.2688	0.0014	0.0106	-1.4285
TMCO3	1.2408	-0.3133	4.2682	0.0014	0.0106	-1.4295
FLJ23867	2.7197	-1.1160	4.2665	0.0014	0.0106	-1.4324
LOC441461	-1.3006	-0.5570	-4.2646	0.0014	0.0106	-1.4357
C21orf62	-1.6626	-5.1237	-4.2644	0.0015	0.0106	-1.4360
ZNF469	2.1379	-0.1021	4.2636	0.0015	0.0106	-1.4372
FZD1	2.1261	1.7193	4.2631	0.0015	0.0106	-1.4381
DUOXA1	2.1244	-2.8531	4.2629	0.0015	0.0106	-1.4384
FLII	1.0045	2.2611	4.2621	0.0015	0.0106	-1.4399
CASK	1.2824	-1.3888	4.2606	0.0015	0.0107	-1.4424
MCHR1	-2.6545	-5.7561	-4.2605	0.0015	0.0107	-1.4426

AQP3	-2.2403	1.5063	-4.2597	0.0015	0.0107	-1.4440
BTG2	1.1350	1.8615	4.2588	0.0015	0.0107	-1.4454
C3orf52	3.2759	-2.8733	4.2584	0.0015	0.0107	-1.4461
BC039399	-1.1249	-2.9729	-4.2576	0.0015	0.0107	-1.4474
LIMCH1	1.6115	0.9796	4.2575	0.0015	0.0107	-1.4475
ZNF806	1.9183	-4.0374	4.2575	0.0015	0.0107	-1.4476
GIMAP5	-1.5670	0.2162	-4.2540	0.0015	0.0107	-1.4535
RPS6KA6	1.5336	-3.7949	4.2537	0.0015	0.0107	-1.4540
SLC41A1	1.3680	-0.2535	4.2522	0.0015	0.0108	-1.4566
LOC100129940	1.9503	-4.7120	4.2520	0.0015	0.0108	-1.4569
ENST00000343505	-2.2240	0.6801	-4.2519	0.0015	0.0108	-1.4570
REEP6	-2.5623	1.5356	-4.2517	0.0015	0.0108	-1.4575
CYP11B1	1.1013	-4.4018	4.2502	0.0015	0.0108	-1.4600
THBS1	1.6638	1.3946	4.2474	0.0015	0.0108	-1.4647
ASPM	1.5092	-1.1887	4.2464	0.0015	0.0108	-1.4665
CLEC10A	-2.1994	-1.0699	-4.2442	0.0015	0.0109	-1.4701
DAB1	-1.4088	-5.3901	-4.2436	0.0015	0.0109	-1.4712
LAMA4	1.0570	-1.9386	4.2435	0.0015	0.0109	-1.4713
ZNF107	1.1295	-0.2918	4.2402	0.0015	0.0109	-1.4770
C4orf47	1.8134	-2.7862	4.2394	0.0015	0.0109	-1.4784
EPAS1	-1.1896	3.5736	-4.2392	0.0015	0.0109	-1.4786
OLR1	3.3062	-2.2457	4.2390	0.0015	0.0109	-1.4790
FNDC4	-2.0701	2.4159	-4.2381	0.0015	0.0110	-1.4805
COG3	-1.1159	1.3285	-4.2376	0.0015	0.0110	-1.4813
FLJ34503	-1.9330	-5.0007	-4.2370	0.0015	0.0110	-1.4823
UBXN10	-3.9631	-3.1671	-4.2368	0.0015	0.0110	-1.4827
C1orf118	1.8655	-4.7835	4.2368	0.0015	0.0110	-1.4827
ANKRD36BP2	1.1898	0.7260	4.2358	0.0015	0.0110	-1.4844
CCDC112	1.4655	-1.9441	4.2349	0.0015	0.0110	-1.4859
TSEN54	1.0347	1.1288	4.2342	0.0015	0.0110	-1.4872
PCDH20	-4.0568	-4.7932	-4.2338	0.0015	0.0110	-1.4878
VCL	1.6576	2.4169	4.2328	0.0015	0.0110	-1.4895
FUBP1	1.0342	2.2604	4.2315	0.0015	0.0110	-1.4916
ILF2	1.0695	-1.5998	4.2296	0.0015	0.0111	-1.4949
XRCC2	1.0978	0.7726	4.2265	0.0015	0.0111	-1.5001
COQ3	-1.1065	-1.9710	-4.2249	0.0015	0.0111	-1.5029
TNFSF15	3.3566	-2.2357	4.2244	0.0015	0.0111	-1.5037
RTKN2	1.4865	-4.8792	4.2235	0.0016	0.0111	-1.5053
ADCY10	-2.2408	-3.4613	-4.2233	0.0016	0.0111	-1.5055
C16orf96	-1.5630	-6.2337	-4.2222	0.0016	0.0112	-1.5074
HMG5	-1.6930	0.5369	-4.2201	0.0016	0.0112	-1.5109
FANCB	2.1482	-3.7352	4.2192	0.0016	0.0112	-1.5124
RPL41	1.0164	4.9471	4.2192	0.0016	0.0112	-1.5125

DLX1	1.8272	-4.5893	4.2182	0.0016	0.0112	-1.5142
FAM129B	1.5621	2.5386	4.2182	0.0016	0.0112	-1.5143
RPL26	1.2180	4.2660	4.2177	0.0016	0.0112	-1.5151
AK057720	1.4506	-1.0071	4.2172	0.0016	0.0112	-1.5159
SLC6A14	4.0620	-2.6921	4.2171	0.0016	0.0112	-1.5161
SLC35D2	-1.3835	1.1552	-4.2160	0.0016	0.0112	-1.5180
CCNB2	1.8047	-0.8104	4.2158	0.0016	0.0112	-1.5183
HULC	-4.5230	0.8140	-4.2132	0.0016	0.0113	-1.5227
REXO1L1	1.1705	-1.6887	4.2125	0.0016	0.0113	-1.5239
VPS41	1.1912	-1.2434	4.2112	0.0016	0.0113	-1.5261
MBL1P1	-1.2654	-2.6933	-4.2111	0.0016	0.0113	-1.5262
MIA3	-1.3557	0.4657	-4.2102	0.0016	0.0113	-1.5278
CAPN5	-1.4747	1.0624	-4.2086	0.0016	0.0113	-1.5305
CCNE2	1.3326	-2.0488	4.2074	0.0016	0.0114	-1.5325
MORN4	1.3317	-0.7342	4.2072	0.0016	0.0114	-1.5329
ME3	1.1245	-0.7812	4.2045	0.0016	0.0114	-1.5375
ALDOC	-2.2167	0.9341	-4.2043	0.0016	0.0114	-1.5378
OXNAD1	-1.3504	-0.9336	-4.2029	0.0016	0.0114	-1.5401
SEL1L	-1.0811	0.4686	-4.2018	0.0016	0.0114	-1.5420
AFTPH	1.0975	1.9892	4.2011	0.0016	0.0114	-1.5433
PDIA5	-1.5868	1.8959	-4.1988	0.0016	0.0115	-1.5471
GPR141	1.9318	-6.1040	4.1981	0.0016	0.0115	-1.5483
TEX21P	-1.1866	-4.8569	-4.1980	0.0016	0.0115	-1.5486
SERPINB7	1.3252	-6.1628	4.1977	0.0016	0.0115	-1.5491
NBPF6	-1.3173	-2.6710	-4.1950	0.0016	0.0115	-1.5536
LOC100170939	1.3809	1.6200	4.1934	0.0016	0.0115	-1.5563
ZBTB7A	-1.4490	0.4919	-4.1933	0.0016	0.0115	-1.5565
HIST2H4B	1.1116	1.8987	4.1926	0.0016	0.0115	-1.5577
GLP2R	-1.5223	-5.4671	-4.1925	0.0016	0.0115	-1.5579
FUNDC1	1.1425	0.9508	4.1923	0.0016	0.0115	-1.5582
FLJ40039	1.3811	-5.2523	4.1918	0.0016	0.0115	-1.5590
LOC100505719	-1.1811	-0.7409	-4.1910	0.0016	0.0116	-1.5605
APCDD1	2.4523	0.3267	4.1908	0.0016	0.0116	-1.5608
STMN1	1.0159	-2.9072	4.1906	0.0016	0.0116	-1.5610
C2orf81	1.6641	-2.4758	4.1906	0.0016	0.0116	-1.5610
NUP205	1.1988	1.4568	4.1894	0.0016	0.0116	-1.5631
COQ6	-1.3473	0.8023	-4.1882	0.0016	0.0116	-1.5652
CEACAM3	-1.0287	1.1881	-4.1871	0.0016	0.0116	-1.5671
RNF145	1.2554	0.0542	4.1870	0.0016	0.0116	-1.5672
ABCC5	1.0054	-1.5748	4.1867	0.0016	0.0116	-1.5677
DOK7	1.1835	-0.7277	4.1861	0.0016	0.0116	-1.5687
ANKS3	1.0243	0.5270	4.1858	0.0017	0.0116	-1.5693
UCK2	1.3324	0.1986	4.1852	0.0017	0.0116	-1.5702

TCF7	-1.2002	-1.7192	-4.1827	0.0017	0.0117	-1.5745
SRPX2	2.2625	0.2746	4.1813	0.0017	0.0117	-1.5769
CTAGE10P	-1.2096	0.0718	-4.1798	0.0017	0.0117	-1.5794
ANGPTL1	-2.1997	-1.5006	-4.1797	0.0017	0.0117	-1.5796
C19orf66	-1.4200	2.1302	-4.1797	0.0017	0.0117	-1.5797
LOC100287879	1.0912	-5.2815	4.1784	0.0017	0.0117	-1.5818
PRKCG	-1.2467	-2.9317	-4.1779	0.0017	0.0117	-1.5826
TRIM77P	1.5115	-6.8924	4.1763	0.0017	0.0118	-1.5854
LOC728147	1.5970	-5.8406	4.1757	0.0017	0.0118	-1.5864
GBP2	1.8086	2.6145	4.1757	0.0017	0.0118	-1.5865
ARL6IP6	1.1661	1.0714	4.1752	0.0017	0.0118	-1.5872
CNFN	2.3423	-2.3561	4.1740	0.0017	0.0118	-1.5892
SPARCL1	1.5611	0.4444	4.1733	0.0017	0.0118	-1.5905
LXN	1.8762	1.7921	4.1718	0.0017	0.0118	-1.5931
STARD10	-1.8407	2.7283	-4.1717	0.0017	0.0118	-1.5932
LOC285768	1.0678	-7.4796	4.1696	0.0017	0.0119	-1.5968
CSDA	1.9327	2.7856	4.1689	0.0017	0.0119	-1.5979
BTF3L4	1.1076	-0.5231	4.1677	0.0017	0.0119	-1.6000
C1orf34	2.1097	-2.2368	4.1670	0.0017	0.0119	-1.6012
RASAL1	2.4231	-3.9975	4.1648	0.0017	0.0119	-1.6049
NPNT	2.6433	0.3096	4.1646	0.0017	0.0119	-1.6054
KCTD1	2.2208	-0.2591	4.1628	0.0017	0.0120	-1.6083
USP17L2	1.4072	-3.4145	4.1625	0.0017	0.0120	-1.6089
CEP72	1.2611	-1.0183	4.1623	0.0017	0.0120	-1.6093
COL25A1	-2.3453	-3.8226	-4.1604	0.0017	0.0120	-1.6124
HRK	2.5184	-1.1419	4.1604	0.0017	0.0120	-1.6125
C10orf57	-1.2697	0.9616	-4.1601	0.0017	0.0120	-1.6129
DPT	-2.1371	1.8150	-4.1586	0.0017	0.0120	-1.6156
OR1D5	1.4122	-6.5620	4.1576	0.0017	0.0120	-1.6171
FBXO32	2.2831	0.8783	4.1560	0.0017	0.0121	-1.6199
BCL9L	1.2444	-0.5266	4.1560	0.0017	0.0121	-1.6200
TYRP1	3.3915	-4.8646	4.1560	0.0017	0.0121	-1.6200
ZNF137P	1.2498	-1.9428	4.1551	0.0017	0.0121	-1.6215
RAB17	-2.4431	1.1145	-4.1535	0.0017	0.0121	-1.6243
LOC100129596	-1.0184	0.1782	-4.1533	0.0017	0.0121	-1.6245
GNB2L1	1.6793	4.8228	4.1512	0.0017	0.0121	-1.6281
BEX2	2.6151	-0.4677	4.1507	0.0017	0.0121	-1.6289
IFT140	1.2066	-1.2073	4.1493	0.0018	0.0122	-1.6313
KRT222	-3.5725	-2.4453	-4.1490	0.0018	0.0122	-1.6319
GMNN	2.4325	1.8541	4.1482	0.0018	0.0122	-1.6333
RMI2	1.7282	-1.7441	4.1481	0.0018	0.0122	-1.6334
RPL12	1.3119	4.4718	4.1481	0.0018	0.0122	-1.6334
PITPNC1	-1.1422	-1.4883	-4.1478	0.0018	0.0122	-1.6339

RARB	1.3439	-0.9815	4.1465	0.0018	0.0122	-1.6361
NDE1	1.0327	-0.2762	4.1445	0.0018	0.0122	-1.6396
SLC17A1	-4.3797	-0.9451	-4.1439	0.0018	0.0122	-1.6406
APOA2	-3.5622	3.9807	-4.1437	0.0018	0.0122	-1.6408
PAMR1	-1.1507	-0.1148	-4.1437	0.0018	0.0122	-1.6409
FANCG	1.0784	0.8241	4.1419	0.0018	0.0123	-1.6440
LOC391636	1.1017	-7.2237	4.1405	0.0018	0.0123	-1.6464
LOC388076	1.4782	3.4440	4.1392	0.0018	0.0123	-1.6486
PTRF	1.1268	2.9720	4.1391	0.0018	0.0123	-1.6487
ZNF692	1.1706	-3.1453	4.1385	0.0018	0.0123	-1.6497
SCRN1	1.5846	-2.9205	4.1384	0.0018	0.0123	-1.6499
RBM12B	1.0106	-1.0352	4.1372	0.0018	0.0123	-1.6519
DAND5	1.4558	-5.5882	4.1364	0.0018	0.0124	-1.6533
DEFB108B	1.7680	-5.6002	4.1360	0.0018	0.0124	-1.6541
TRNP1	2.8945	0.6159	4.1351	0.0018	0.0124	-1.6556
SRL	-1.7967	-6.6310	-4.1333	0.0018	0.0124	-1.6586
LINC00242	-1.4811	-4.9825	-4.1324	0.0018	0.0124	-1.6602
N4BP3	2.2007	-5.6036	4.1322	0.0018	0.0124	-1.6605
C4orf46	1.2760	-0.6185	4.1320	0.0018	0.0124	-1.6609
RNF19A	1.4076	2.8301	4.1316	0.0018	0.0124	-1.6616
TNFSF18	2.0158	-3.8922	4.1303	0.0018	0.0124	-1.6638
PLIN5	-2.7735	0.3706	-4.1292	0.0018	0.0125	-1.6656
STON2	-1.7872	-2.3531	-4.1276	0.0018	0.0125	-1.6683
RRBP1	-1.1116	2.6945	-4.1257	0.0018	0.0125	-1.6715
CAMTA1	1.6023	-2.7750	4.1256	0.0018	0.0125	-1.6718
C6orf211	-1.0929	0.4608	-4.1249	0.0018	0.0125	-1.6729
RPP14	-1.2788	1.3200	-4.1249	0.0018	0.0125	-1.6729
LINC00355	1.0466	3.9304	4.1235	0.0018	0.0125	-1.6753
PRR11	1.3257	-1.9037	4.1226	0.0018	0.0126	-1.6769
RECQL4	1.4061	0.6150	4.1223	0.0018	0.0126	-1.6774
HOGA1	-1.7022	-1.2135	-4.1214	0.0018	0.0126	-1.6790
SMPD1	-1.4030	1.4739	-4.1208	0.0018	0.0126	-1.6800
LOC387895	-1.4097	-6.9184	-4.1208	0.0018	0.0126	-1.6800
KLRG1	-2.2722	-2.4829	-4.1207	0.0018	0.0126	-1.6802
SURF4	-1.0445	2.3674	-4.1196	0.0018	0.0126	-1.6820
SAT2	-1.5388	3.0705	-4.1194	0.0018	0.0126	-1.6824
LOC100653259	1.1909	-3.3904	4.1184	0.0018	0.0126	-1.6840
LOC100289509	-2.0472	-4.5587	-4.1178	0.0018	0.0126	-1.6851
CCDC165	2.5746	-2.0568	4.1175	0.0018	0.0126	-1.6856
SLC19A3	-1.5891	-2.9016	-4.1156	0.0019	0.0127	-1.6889
FAM64A	1.9079	-3.9728	4.1156	0.0019	0.0127	-1.6889
RAPGEF4	-1.7404	0.1684	-4.1144	0.0019	0.0127	-1.6909
C7	-1.8040	2.8636	-4.1140	0.0019	0.0127	-1.6915

THC2611373	-1.7101	-1.4726	-4.1133	0.0019	0.0127	-1.6927
C6orf218	1.3354	-6.4933	4.1128	0.0019	0.0127	-1.6936
C9orf140	2.3202	-3.4232	4.1117	0.0019	0.0127	-1.6954
H6PD	-2.2684	-0.9173	-4.1089	0.0019	0.0128	-1.7003
PTP4A1	-1.7201	3.2111	-4.1088	0.0019	0.0128	-1.7005
DSTYK	1.4338	0.6352	4.1087	0.0019	0.0128	-1.7007
MTMR7	-1.4586	-2.7267	-4.1083	0.0019	0.0128	-1.7013
C16orf86	-1.1979	-3.5582	-4.1077	0.0019	0.0128	-1.7023
ZFP112	1.2303	-1.5693	4.1074	0.0019	0.0128	-1.7028
ESPN	-3.1160	-3.4286	-4.1074	0.0019	0.0128	-1.7029
LOC728449	1.7986	-0.5585	4.1050	0.0019	0.0128	-1.7069
SEMA6A	1.8291	-0.8632	4.1047	0.0019	0.0128	-1.7075
MAP1B	2.2876	0.5242	4.1042	0.0019	0.0128	-1.7083
CCDC69	-1.8909	-1.8009	-4.1041	0.0019	0.0128	-1.7085
PITX1	3.6874	-1.4413	4.1041	0.0019	0.0128	-1.7085
LRRC20	-1.1651	0.3032	-4.1020	0.0019	0.0129	-1.7120
C19orf71	-1.1342	-3.4600	-4.1014	0.0019	0.0129	-1.7132
SLC26A2	1.5321	0.2216	4.1005	0.0019	0.0129	-1.7146
AZI1	1.1907	0.0974	4.1003	0.0019	0.0129	-1.7149
GAP43	3.5294	-4.7535	4.0997	0.0019	0.0129	-1.7160
RANBP17	2.2636	-1.5290	4.0991	0.0019	0.0129	-1.7170
MYOM2	-2.4373	-1.1520	-4.0991	0.0019	0.0129	-1.7170
EEF2	1.1068	4.3574	4.0973	0.0019	0.0129	-1.7200
CD47	1.3308	2.6353	4.0972	0.0019	0.0129	-1.7203
RGS1	2.0880	2.0066	4.0968	0.0019	0.0129	-1.7210
VPS37B	1.0696	0.4053	4.0952	0.0019	0.0129	-1.7237
SCARNA2	-1.6309	-2.6303	-4.0949	0.0019	0.0129	-1.7242
MAP4K3	1.4738	-0.3661	4.0940	0.0019	0.0130	-1.7257
TMEFF2	-2.2203	-6.4265	-4.0930	0.0019	0.0130	-1.7274
IGF2BP2	1.7423	-1.0646	4.0927	0.0019	0.0130	-1.7279
GPR180	-1.1394	-1.0160	-4.0919	0.0019	0.0130	-1.7293
SNORA28	-1.4339	-4.4159	-4.0917	0.0019	0.0130	-1.7296
FAM135A	1.3220	-0.9305	4.0909	0.0019	0.0130	-1.7310
LOC100132774	-1.5674	-3.5915	-4.0895	0.0019	0.0130	-1.7334
LOC100127888	3.5369	-4.7977	4.0890	0.0019	0.0130	-1.7344
LOC100128281	1.1717	-5.8471	4.0882	0.0019	0.0131	-1.7357
C15orf42	1.8851	-4.4275	4.0874	0.0019	0.0131	-1.7370
CIB2	2.3339	-0.8425	4.0872	0.0019	0.0131	-1.7374
ALOX5	1.2001	-2.0332	4.0865	0.0019	0.0131	-1.7386
FOLR1	3.2797	0.3289	4.0837	0.0020	0.0131	-1.7433
ZNF605	1.2844	0.4781	4.0816	0.0020	0.0132	-1.7470
C11orf63	1.1423	-3.9562	4.0810	0.0020	0.0132	-1.7479
KIAA1462	1.8084	-0.8545	4.0809	0.0020	0.0132	-1.7481

CDH13	2.7309	-2.8900	4.0775	0.0020	0.0132	-1.7540
KLHDC8A	2.7524	-5.2969	4.0760	0.0020	0.0133	-1.7565
GALNTL1	-2.0400	-0.9052	-4.0760	0.0020	0.0133	-1.7565
SMARCA1	-2.1235	1.5012	-4.0758	0.0020	0.0133	-1.7569
ENST00000366699	1.0965	-1.8283	4.0743	0.0020	0.0133	-1.7595
ABR	1.6431	1.4515	4.0742	0.0020	0.0133	-1.7596
LCN10	-1.6523	-6.1720	-4.0721	0.0020	0.0133	-1.7632
METTL20	-1.5612	-3.2634	-4.0721	0.0020	0.0133	-1.7632
BC073935	1.3692	-4.4059	4.0708	0.0020	0.0133	-1.7655
IGF1R	2.1704	1.0935	4.0707	0.0020	0.0133	-1.7656
LOC728218	-2.5886	-2.7994	-4.0670	0.0020	0.0134	-1.7719
AK090664	2.2565	-3.1655	4.0669	0.0020	0.0134	-1.7721
LOC146795	1.3254	2.7174	4.0659	0.0020	0.0134	-1.7739
LDLRAP1	-1.1093	-0.4258	-4.0643	0.0020	0.0135	-1.7765
HAR1A	-1.2042	-3.0456	-4.0633	0.0020	0.0135	-1.7783
APP	1.1516	3.3880	4.0623	0.0020	0.0135	-1.7800
LOC642425	2.3278	-5.5033	4.0608	0.0020	0.0135	-1.7825
ZFAND4	-1.0243	-1.0959	-4.0569	0.0020	0.0136	-1.7893
GPR35	2.2490	-2.2112	4.0567	0.0020	0.0136	-1.7895
PLD2	1.1384	-0.2584	4.0565	0.0020	0.0136	-1.7899
SIGLEC1	-1.8837	-1.2666	-4.0557	0.0020	0.0136	-1.7913
ACPP	2.1439	-4.1382	4.0535	0.0021	0.0137	-1.7951
PGAP3	-1.1667	1.2679	-4.0531	0.0021	0.0137	-1.7958
CA420643	1.1403	3.3145	4.0513	0.0021	0.0137	-1.7989
ZNF713	1.1038	-1.0110	4.0509	0.0021	0.0137	-1.7995
MYL3	-1.7492	-4.7643	-4.0497	0.0021	0.0137	-1.8015
OR2T34	1.5229	-5.4742	4.0497	0.0021	0.0137	-1.8016
UGT2A2	-2.4582	-6.7073	-4.0483	0.0021	0.0137	-1.8039
OR4A15	2.1767	-5.8538	4.0476	0.0021	0.0137	-1.8052
NIT2	-1.0208	2.7394	-4.0473	0.0021	0.0137	-1.8057
ARHGAP27	1.2805	-0.2441	4.0473	0.0021	0.0137	-1.8058
NLGN4X	-1.8269	-1.8592	-4.0456	0.0021	0.0138	-1.8086
VPS24	1.2166	-0.9303	4.0451	0.0021	0.0138	-1.8095
FANK1	1.7174	-2.6623	4.0448	0.0021	0.0138	-1.8100
TMEM205	-1.1226	3.4248	-4.0437	0.0021	0.0138	-1.8119
GALM	-2.0293	1.6164	-4.0429	0.0021	0.0138	-1.8132
KRTAP15-1	1.1478	-7.0777	4.0428	0.0021	0.0138	-1.8134
FHL3	1.0112	-0.9453	4.0405	0.0021	0.0139	-1.8173
LOC390937	1.3482	-7.0506	4.0403	0.0021	0.0139	-1.8176
CALR3	-3.2699	-5.2207	-4.0398	0.0021	0.0139	-1.8186
LOC100130097	-1.4270	-3.2965	-4.0380	0.0021	0.0139	-1.8216
HEPH	1.2043	-0.5307	4.0373	0.0021	0.0139	-1.8229
IGF2	-2.8463	2.5113	-4.0364	0.0021	0.0139	-1.8243

ALDH7A1	-2.0247	0.9488	-4.0356	0.0021	0.0139	-1.8257
CADM2	-2.4811	-5.1329	-4.0353	0.0021	0.0139	-1.8262
ARPP21	-2.4388	-6.3254	-4.0328	0.0021	0.0140	-1.8306
LOC100509860	1.3096	-6.1992	4.0323	0.0021	0.0140	-1.8314
FANCC	-1.5732	-1.4511	-4.0305	0.0021	0.0140	-1.8345
MTHFD2L	-1.8231	-2.2508	-4.0299	0.0021	0.0140	-1.8356
C6orf1	1.1710	1.8560	4.0282	0.0021	0.0141	-1.8385
SMPDL3A	-1.7659	1.3550	-4.0275	0.0021	0.0141	-1.8396
TMPRSS9	-2.0926	-5.8265	-4.0270	0.0021	0.0141	-1.8404
PCDH10	1.1857	-4.1937	4.0261	0.0022	0.0141	-1.8420
TGFB1I1	1.4420	1.5559	4.0255	0.0022	0.0141	-1.8431
CAMK1	-1.6331	0.1043	-4.0241	0.0022	0.0141	-1.8455
C9orf70	1.7338	-4.8084	4.0229	0.0022	0.0142	-1.8475
SMAD3	1.1844	2.0925	4.0211	0.0022	0.0142	-1.8506
AURKB	2.1707	-3.0307	4.0211	0.0022	0.0142	-1.8507
SCARNA16	1.0001	-2.1838	4.0207	0.0022	0.0142	-1.8514
MYO1E	1.0672	2.5355	4.0207	0.0022	0.0142	-1.8514
LRRC16A	1.2330	-1.0229	4.0203	0.0022	0.0142	-1.8519
MCM10	1.7207	-3.2070	4.0197	0.0022	0.0142	-1.8531
MYH11	1.9442	2.0126	4.0190	0.0022	0.0142	-1.8542
AKR1A1	-1.2292	2.2217	-4.0163	0.0022	0.0143	-1.8589
PRR16	2.2995	-3.4803	4.0160	0.0022	0.0143	-1.8593
RPS9	1.0137	4.3104	4.0148	0.0022	0.0143	-1.8614
CAV2	1.5392	0.6888	4.0144	0.0022	0.0143	-1.8621
MYO5A	1.0956	-0.5161	4.0142	0.0022	0.0143	-1.8625
RHOQ	1.0302	0.8679	4.0115	0.0022	0.0143	-1.8671
GABRB1	1.3517	-6.0800	4.0111	0.0022	0.0144	-1.8678
CCDC93	1.0011	1.3300	4.0076	0.0022	0.0144	-1.8739
TLR7	1.8705	-0.1161	4.0048	0.0022	0.0145	-1.8787
MMP13	2.9309	-5.7591	4.0035	0.0022	0.0145	-1.8809
SCML1	-1.9495	-0.3765	-4.0028	0.0022	0.0145	-1.8820
ENST00000382878	2.2142	1.5708	4.0004	0.0022	0.0146	-1.8862
COL9A2	1.7815	-3.4953	4.0001	0.0022	0.0146	-1.8867
TRIL	2.1936	-2.3141	3.9997	0.0022	0.0146	-1.8873
CAP1	1.0016	2.3502	3.9997	0.0022	0.0146	-1.8873
NDRG2	-1.8365	3.2927	-3.9995	0.0022	0.0146	-1.8877
DERA	-1.0608	3.0093	-3.9955	0.0023	0.0147	-1.8947
SAMD12-AS1	1.0118	-4.6234	3.9950	0.0023	0.0147	-1.8954
LOC100129449	1.6145	-6.3675	3.9948	0.0023	0.0147	-1.8957
DNM1L	1.0153	-0.0138	3.9943	0.0023	0.0147	-1.8967
IFNAR1	-1.1685	1.7981	-3.9922	0.0023	0.0147	-1.9003
NRBF2	-1.0504	1.9908	-3.9914	0.0023	0.0147	-1.9017
LARS2	-1.0481	0.5758	-3.9898	0.0023	0.0148	-1.9043

SULT1A2	-1.2851	3.4575	-3.9894	0.0023	0.0148	-1.9052
ASMTL	-1.2923	1.4704	-3.9882	0.0023	0.0148	-1.9073
FBXO31	-1.1136	-0.2423	-3.9881	0.0023	0.0148	-1.9074
LRRC52	-1.4056	-5.8320	-3.9868	0.0023	0.0148	-1.9095
MT1IP	-2.2958	-1.2087	-3.9865	0.0023	0.0148	-1.9101
CPA6	1.2669	-6.8170	3.9853	0.0023	0.0148	-1.9122
LOC497257	1.4926	-3.8663	3.9845	0.0023	0.0149	-1.9135
ZNF251	1.3170	-1.5587	3.9833	0.0023	0.0149	-1.9156
KDELR3	1.5355	0.9642	3.9825	0.0023	0.0149	-1.9171
HIGD1C	-2.2745	-6.3494	-3.9816	0.0023	0.0149	-1.9185
LBH	1.0693	-1.9425	3.9779	0.0023	0.0150	-1.9249
KRTAP6-1	1.0391	-4.1217	3.9777	0.0023	0.0150	-1.9251
RPS6KC1	1.0216	0.9720	3.9766	0.0023	0.0150	-1.9272
FAM101A	3.4157	-5.5436	3.9766	0.0023	0.0150	-1.9272
LOC151009	1.3256	-1.2313	3.9765	0.0023	0.0150	-1.9273
SSX7	-2.2442	-5.4333	-3.9764	0.0023	0.0150	-1.9275
KCNJ12	-1.6652	-4.4493	-3.9752	0.0023	0.0150	-1.9295
RPS2	1.4568	2.9647	3.9742	0.0023	0.0150	-1.9312
PFKFB3	1.4230	1.4438	3.9730	0.0023	0.0150	-1.9333
CETN2	1.3459	1.5863	3.9727	0.0024	0.0150	-1.9338
GABBR1	1.3561	-3.4908	3.9720	0.0024	0.0151	-1.9351
SNORA80	-1.3650	-3.6552	-3.9711	0.0024	0.0151	-1.9366
TCHH	-1.5436	-3.2703	-3.9705	0.0024	0.0151	-1.9376
TKTL1	-2.5079	-2.4853	-3.9699	0.0024	0.0151	-1.9387
LOC728606	-1.3411	-7.2628	-3.9696	0.0024	0.0151	-1.9392
CHPT1	-1.7245	1.7958	-3.9693	0.0024	0.0151	-1.9398
SCN11A	-1.2192	-5.7693	-3.9682	0.0024	0.0151	-1.9416
C8orf40	-1.1633	3.0624	-3.9680	0.0024	0.0151	-1.9419
LOC100287225	1.0881	-6.7627	3.9677	0.0024	0.0151	-1.9424
DNA2	1.5520	-2.7261	3.9675	0.0024	0.0151	-1.9428
FRMD5	2.3930	-4.8041	3.9669	0.0024	0.0151	-1.9438
C5orf34	2.5253	-3.0701	3.9669	0.0024	0.0151	-1.9438
EDNRA	1.7815	-0.2893	3.9644	0.0024	0.0152	-1.9482
TRDMT1	1.0720	-2.9963	3.9637	0.0024	0.0152	-1.9493
RGS20	1.7514	-4.7799	3.9629	0.0024	0.0152	-1.9508
USP2	-1.8362	-2.4486	-3.9621	0.0024	0.0152	-1.9521
SLC7A10	-1.1773	-1.2161	-3.9616	0.0024	0.0152	-1.9529
C14orf151	1.3116	-0.4810	3.9608	0.0024	0.0152	-1.9543
KCNS1	1.6809	-5.0207	3.9589	0.0024	0.0153	-1.9576
TSPAN3	1.1947	2.3953	3.9587	0.0024	0.0153	-1.9579
SEC14L2	-2.7297	-0.8955	-3.9585	0.0024	0.0153	-1.9583
SLC19A2	-1.6453	1.7230	-3.9577	0.0024	0.0153	-1.9597
KIF25	-3.3011	-4.9535	-3.9577	0.0024	0.0153	-1.9597

KNTC1	1.2597	0.0673	3.9551	0.0024	0.0154	-1.9642
IGFL3	1.5981	-2.7778	3.9548	0.0024	0.0154	-1.9646
USP54	1.7699	0.6264	3.9545	0.0024	0.0154	-1.9651
GOT1	-1.7389	3.8668	-3.9534	0.0024	0.0154	-1.9671
SLC17A3	-4.5801	-0.4009	-3.9521	0.0024	0.0154	-1.9692
NFKBIL2	1.7659	-2.8487	3.9520	0.0024	0.0154	-1.9695
CLTB	1.2744	-1.3490	3.9518	0.0024	0.0154	-1.9698
PRAM1	-1.3668	-1.2163	-3.9515	0.0024	0.0154	-1.9703
C16orf59	1.8996	-2.2464	3.9514	0.0024	0.0154	-1.9706
BLVRA	1.1420	2.6988	3.9505	0.0024	0.0154	-1.9720
ATRNL1	-1.2102	-2.3874	-3.9500	0.0024	0.0154	-1.9729
SPTBN2	-1.0044	-2.5955	-3.9499	0.0024	0.0154	-1.9731
WWTR1	1.1041	-0.5375	3.9489	0.0024	0.0155	-1.9748
MYH9	1.1155	3.1094	3.9473	0.0025	0.0155	-1.9775
CYP27B1	2.5151	-4.5620	3.9464	0.0025	0.0155	-1.9791
PLXNA3	1.8754	-1.7246	3.9464	0.0025	0.0155	-1.9792
PAPSS2	-1.9321	1.2644	-3.9450	0.0025	0.0155	-1.9816
LOC100130278	-1.0939	-5.7925	-3.9448	0.0025	0.0155	-1.9819
ZIC1	-1.5956	-5.4000	-3.9446	0.0025	0.0155	-1.9822
CTGF	1.9432	1.6527	3.9444	0.0025	0.0155	-1.9825
BX109843	-1.0271	1.7860	-3.9444	0.0025	0.0155	-1.9825
ACBD4	-2.4585	-0.5457	-3.9428	0.0025	0.0156	-1.9853
OR2L1P	2.3712	-5.3039	3.9424	0.0025	0.0156	-1.9860
G6PD	1.3919	-1.1856	3.9412	0.0025	0.0156	-1.9882
RAB3D	1.8311	-2.6858	3.9408	0.0025	0.0156	-1.9888
AMACR	-2.0721	0.8875	-3.9392	0.0025	0.0156	-1.9916
SH3PXD2A	1.1834	-1.1849	3.9386	0.0025	0.0157	-1.9925
EEF1E1	1.5467	2.1658	3.9382	0.0025	0.0157	-1.9934
C9orf19	1.3207	1.4981	3.9380	0.0025	0.0157	-1.9936
TTC13	1.3679	-0.3668	3.9369	0.0025	0.0157	-1.9955
SLC28A2	-1.7921	-4.1506	-3.9368	0.0025	0.0157	-1.9957
PHEX	2.3836	-4.5803	3.9359	0.0025	0.0157	-1.9972
CRYAA	-1.9808	-4.7506	-3.9352	0.0025	0.0157	-1.9985
C1orf133	2.6146	-2.2539	3.9345	0.0025	0.0157	-1.9997
IL11	2.5158	-4.5209	3.9312	0.0025	0.0158	-2.0054
C4B	-2.2272	4.5828	-3.9307	0.0025	0.0158	-2.0062
ZNF146	1.0585	1.8722	3.9298	0.0025	0.0158	-2.0078
MEGF9	-1.4820	1.0922	-3.9293	0.0025	0.0158	-2.0086
INMT	-1.3458	-1.1509	-3.9283	0.0025	0.0159	-2.0104
NEIL1	-1.8942	-0.1673	-3.9279	0.0025	0.0159	-2.0110
44809	1.8712	-2.6319	3.9273	0.0025	0.0159	-2.0121
GBE1	-1.0964	2.6458	-3.9266	0.0025	0.0159	-2.0132
SGCZ	-1.5301	-7.0116	-3.9265	0.0025	0.0159	-2.0135

CFI	-2.3025	3.3638	-3.9261	0.0025	0.0159	-2.0142
CUL7	1.0446	-1.9547	3.9258	0.0025	0.0159	-2.0147
BTG3	1.2546	2.3084	3.9257	0.0025	0.0159	-2.0148
IQSEC3	-1.1248	-6.2440	-3.9255	0.0025	0.0159	-2.0151
GARS	1.0627	2.1032	3.9246	0.0025	0.0159	-2.0167
TP53I3	1.6497	1.5346	3.9243	0.0025	0.0159	-2.0173
RXRA	-1.9661	2.4117	-3.9233	0.0026	0.0160	-2.0190
ATP8A1	-1.2750	-0.5601	-3.9224	0.0026	0.0160	-2.0205
SIPAIL3	1.9359	-3.2288	3.9221	0.0026	0.0160	-2.0210
SPATS1	-2.8201	-4.7649	-3.9218	0.0026	0.0160	-2.0215
BX406954	1.1634	3.6327	3.9217	0.0026	0.0160	-2.0218
INPP1	-1.1587	-0.4031	-3.9197	0.0026	0.0160	-2.0252
ENST00000309874	1.9286	-2.5332	3.9195	0.0026	0.0160	-2.0255
CREB3L1	1.4568	-1.4915	3.9192	0.0026	0.0160	-2.0260
TAAR5	1.2493	-6.9426	3.9182	0.0026	0.0160	-2.0278
FLJ46906	-1.3738	0.1507	-3.9176	0.0026	0.0161	-2.0289
KLF15	-4.1190	-4.6522	-3.9164	0.0026	0.0161	-2.0310
OR52B2	1.1541	-6.8236	3.9154	0.0026	0.0161	-2.0325
TM7SF4	2.0399	-4.7169	3.9153	0.0026	0.0161	-2.0329
ORC6L	1.4718	-3.0096	3.9148	0.0026	0.0161	-2.0337
IGSF21	1.7621	-0.1883	3.9134	0.0026	0.0161	-2.0360
GNB1L	1.0930	-1.1175	3.9131	0.0026	0.0161	-2.0365
SHC3	1.2201	-5.1967	3.9121	0.0026	0.0162	-2.0384
FAM110A	1.2215	0.5035	3.9120	0.0026	0.0162	-2.0385
TUG1	1.2207	1.7503	3.9117	0.0026	0.0162	-2.0389
PM20D1	-2.4187	-4.4787	-3.9107	0.0026	0.0162	-2.0407
ZBTB8A	1.0157	0.6794	3.9098	0.0026	0.0162	-2.0423
TRIM49L2	1.8482	-6.3756	3.9086	0.0026	0.0162	-2.0444
SLC7A1	2.1517	-0.2592	3.9083	0.0026	0.0162	-2.0449
ITGB6	3.6044	-4.0625	3.9076	0.0026	0.0162	-2.0462
TAF6	1.0660	1.3641	3.9064	0.0026	0.0163	-2.0482
PRDM12	1.1521	-6.2157	3.9024	0.0026	0.0164	-2.0550
SERINC5	-1.6150	0.7275	-3.9017	0.0026	0.0164	-2.0563
MGC27348	1.1607	1.1098	3.9015	0.0026	0.0164	-2.0567
LARP2	-1.4223	1.7805	-3.9005	0.0027	0.0164	-2.0584
POU4F3	1.1846	-6.5843	3.8990	0.0027	0.0164	-2.0609
TMEM165	1.4010	0.7863	3.8973	0.0027	0.0165	-2.0639
SPATA1	-1.6105	-3.0882	-3.8967	0.0027	0.0165	-2.0650
A1CF	-2.9728	2.6973	-3.8954	0.0027	0.0165	-2.0672
PFKM	1.3135	0.3382	3.8948	0.0027	0.0165	-2.0682
MECOM	1.5733	-2.0216	3.8944	0.0027	0.0165	-2.0690
RPL17	1.2362	3.2415	3.8941	0.0027	0.0165	-2.0694
POLA1	1.0115	1.2218	3.8941	0.0027	0.0165	-2.0694

GPRIN2	2.3250	-2.3671	3.8939	0.0027	0.0165	-2.0697
SAA1	-2.9134	2.8841	-3.8929	0.0027	0.0166	-2.0716
TMEM136	1.8484	-2.9151	3.8876	0.0027	0.0167	-2.0807
LOC100652807	1.7925	-6.6937	3.8867	0.0027	0.0167	-2.0823
CHRM2	-1.7889	-6.4526	-3.8866	0.0027	0.0167	-2.0823
BC041926	-1.4213	0.6902	-3.8865	0.0027	0.0167	-2.0825
TMEM216	1.1212	0.0487	3.8863	0.0027	0.0167	-2.0828
CHST10	1.2475	-3.3607	3.8852	0.0027	0.0167	-2.0848
DFNB31	1.0576	-3.8194	3.8830	0.0027	0.0168	-2.0886
FAM107A	-1.3073	-1.9187	-3.8827	0.0027	0.0168	-2.0891
BTBD16	-3.3761	-0.7758	-3.8827	0.0027	0.0168	-2.0892
AGPAT2	-1.3273	3.0670	-3.8820	0.0027	0.0168	-2.0904
TRPC1	1.5099	-1.1883	3.8817	0.0027	0.0168	-2.0909
B3GALNT2	1.0338	-0.9242	3.8805	0.0027	0.0168	-2.0929
AP3B1	1.1364	1.8855	3.8800	0.0027	0.0168	-2.0938
C15orf26	-2.0690	-6.1848	-3.8797	0.0027	0.0168	-2.0943
SNURF	1.5335	2.9160	3.8788	0.0028	0.0169	-2.0959
AK094342	-1.6971	-6.6854	-3.8775	0.0028	0.0169	-2.0982
FAM77C	1.6085	-6.4497	3.8773	0.0028	0.0169	-2.0984
ALOX5AP	1.5794	1.0563	3.8756	0.0028	0.0169	-2.1015
MTNR1A	2.3865	-6.2793	3.8745	0.0028	0.0169	-2.1033
MGST2	-1.1163	3.5945	-3.8737	0.0028	0.0170	-2.1046
OSGIN1	-3.1784	0.2274	-3.8734	0.0028	0.0170	-2.1052
AURKC	-1.2184	-2.4701	-3.8719	0.0028	0.0170	-2.1078
UNC5A	1.4085	-3.5248	3.8716	0.0028	0.0170	-2.1083
KRTAP6-3	1.0107	-0.9324	3.8715	0.0028	0.0170	-2.1086
CD9	1.1907	3.0076	3.8714	0.0028	0.0170	-2.1086
LOC729706	1.6242	-3.9838	3.8713	0.0028	0.0170	-2.1088
LOC100130370	-1.1399	-4.0377	-3.8698	0.0028	0.0170	-2.1114
LOC284628	1.3731	-5.1502	3.8696	0.0028	0.0170	-2.1118
VENTX	1.0562	-4.7306	3.8695	0.0028	0.0170	-2.1120
MAP4K5	1.2654	1.0976	3.8677	0.0028	0.0171	-2.1150
GRB7	1.8684	-0.1407	3.8676	0.0028	0.0171	-2.1153
ZFAND2A	-1.3331	1.5913	-3.8651	0.0028	0.0171	-2.1196
FLJ16126	1.0731	-6.5868	3.8644	0.0028	0.0171	-2.1207
NEK2	1.6537	-1.8664	3.8638	0.0028	0.0171	-2.1219
ASF1B	1.6442	-1.7160	3.8637	0.0028	0.0171	-2.1220
ZNF578	1.1352	-1.9972	3.8636	0.0028	0.0171	-2.1221
C1QTNF1	-1.5359	-0.4439	-3.8636	0.0028	0.0171	-2.1221
OR13C4	1.0094	-6.3779	3.8629	0.0028	0.0172	-2.1234
FBN1	1.0567	-0.7237	3.8624	0.0028	0.0172	-2.1243
LOC100130373	1.4478	-4.8734	3.8620	0.0028	0.0172	-2.1250
C14orf1	-1.4155	-0.2259	-3.8618	0.0028	0.0172	-2.1253

PPIA	1.0714	2.3926	3.8616	0.0028	0.0172	-2.1256
MUC1	2.9359	-1.3746	3.8613	0.0028	0.0172	-2.1262
KCTD6	-1.0912	0.4595	-3.8601	0.0028	0.0172	-2.1282
DPPA4	-2.6668	-6.5002	-3.8596	0.0028	0.0172	-2.1290
FLJ16734	1.3910	-3.7564	3.8587	0.0028	0.0172	-2.1306
IQCC	1.4477	-4.0400	3.8584	0.0028	0.0172	-2.1312
KCTD10	1.0319	0.2217	3.8566	0.0029	0.0173	-2.1342
DIRC3	2.5539	-4.9624	3.8562	0.0029	0.0173	-2.1350
PCOLCE	-1.4133	2.3523	-3.8560	0.0029	0.0173	-2.1354
C3orf64	1.3613	-0.6333	3.8557	0.0029	0.0173	-2.1358
GLO1	-1.1375	1.1591	-3.8549	0.0029	0.0173	-2.1373
ACP6	-1.2860	-0.5862	-3.8541	0.0029	0.0173	-2.1387
CYP4V2	-1.5735	0.8424	-3.8540	0.0029	0.0173	-2.1389
CA1	-2.2968	-5.2292	-3.8538	0.0029	0.0173	-2.1392
SLC39A2	-1.4134	-4.5826	-3.8528	0.0029	0.0174	-2.1408
CRIM1	1.7522	-0.9743	3.8520	0.0029	0.0174	-2.1423
TRIM11	1.1359	-1.8887	3.8510	0.0029	0.0174	-2.1441
PCDHGA7	1.2042	-1.3981	3.8493	0.0029	0.0174	-2.1469
DIAPH3	1.4664	-3.0796	3.8482	0.0029	0.0175	-2.1489
HOXC4	1.6306	-1.3343	3.8470	0.0029	0.0175	-2.1509
ABCA12	4.3132	-2.8991	3.8464	0.0029	0.0175	-2.1519
ARHGEF12	-1.0654	-0.9675	-3.8457	0.0029	0.0175	-2.1533
HPCA	1.9278	-5.0640	3.8450	0.0029	0.0175	-2.1544
GINS2	1.8872	0.1598	3.8435	0.0029	0.0176	-2.1569
RFNG	-1.3879	0.5426	-3.8428	0.0029	0.0176	-2.1581
ENST00000360166	-1.4294	-6.8863	-3.8398	0.0029	0.0176	-2.1634
PII6	-2.5021	-2.2995	-3.8397	0.0029	0.0176	-2.1635
BARD1	1.3512	-0.4755	3.8389	0.0029	0.0177	-2.1650
SIRPA	1.1571	2.9476	3.8378	0.0029	0.0177	-2.1669
HELLS	1.4050	-2.7091	3.8359	0.0030	0.0177	-2.1702
ZNF275	-1.0209	1.2322	-3.8358	0.0030	0.0177	-2.1704
SMPX	1.8727	-2.9716	3.8353	0.0030	0.0177	-2.1711
MATK	-1.1508	-2.6253	-3.8332	0.0030	0.0178	-2.1748
KLF12	-1.4618	-0.9629	-3.8332	0.0030	0.0178	-2.1749
DPYD	-1.9026	-0.6411	-3.8327	0.0030	0.0178	-2.1757
TRAM1L1	3.3787	-3.8543	3.8326	0.0030	0.0178	-2.1759
LOC390858	1.1659	-7.3936	3.8322	0.0030	0.0178	-2.1766
SMYD2	1.4360	2.2981	3.8303	0.0030	0.0178	-2.1799
SPTBN5	1.2635	-3.7640	3.8300	0.0030	0.0178	-2.1804
SLC25A34	-2.1494	-1.9130	-3.8280	0.0030	0.0179	-2.1839
C8orf15	2.0483	-5.2857	3.8279	0.0030	0.0179	-2.1840
MAGI1	-1.0852	-1.4428	-3.8276	0.0030	0.0179	-2.1845
RPS10	1.1023	3.6662	3.8273	0.0030	0.0179	-2.1851

ANKRD36	1.2916	0.3896	3.8272	0.0030	0.0179	-2.1852
PERP	1.1220	3.4981	3.8255	0.0030	0.0179	-2.1882
NBEA	1.2289	-1.3222	3.8233	0.0030	0.0180	-2.1921
KLRB1	-2.5851	0.8561	-3.8231	0.0030	0.0180	-2.1923
FAM8A1	-1.0638	1.5361	-3.8217	0.0030	0.0180	-2.1948
CD109	1.8713	-1.1913	3.8211	0.0030	0.0180	-2.1958
LOC100129924	-1.3212	-6.6454	-3.8207	0.0030	0.0181	-2.1965
FLJ45950	-1.3452	-3.9641	-3.8198	0.0030	0.0181	-2.1981
HK3	-1.0250	-2.6870	-3.8188	0.0030	0.0181	-2.1997
MMP16	2.2328	-5.8177	3.8181	0.0030	0.0181	-2.2010
CEBPA	-2.6243	1.8433	-3.8177	0.0031	0.0181	-2.2018
CHAF1B	1.8034	-1.8151	3.8170	0.0031	0.0181	-2.2029
SUSD3	-1.4720	1.0737	-3.8150	0.0031	0.0182	-2.2064
TMEM16E	-2.9939	-1.5314	-3.8148	0.0031	0.0182	-2.2068
CNN1	1.9545	0.0330	3.8133	0.0031	0.0182	-2.2094
LINC00307	-1.9896	-6.5397	-3.8132	0.0031	0.0182	-2.2095
MIPOL1	1.0926	-2.1307	3.8121	0.0031	0.0182	-2.2114
ZNF445	1.1855	1.2215	3.8118	0.0031	0.0182	-2.2120
ACOT11	1.5501	-2.8638	3.8115	0.0031	0.0182	-2.2124
CCDC155	-1.6284	-6.0876	-3.8107	0.0031	0.0183	-2.2138
FOXRED2	-1.1251	-1.0455	-3.8104	0.0031	0.0183	-2.2144
ABCA9	1.0160	3.0772	3.8064	0.0031	0.0184	-2.2213
TACSTD2	3.4393	1.3924	3.8030	0.0031	0.0184	-2.2272
APOBEC3C	1.2295	0.6032	3.8026	0.0031	0.0184	-2.2279
KIAA1274	1.1875	-0.5174	3.8023	0.0031	0.0185	-2.2284
NTF3	-2.2207	-1.2481	-3.8022	0.0031	0.0185	-2.2286
GOLM1	1.6627	1.3602	3.8015	0.0031	0.0185	-2.2298
ITGA8	1.0428	-1.8476	3.8010	0.0031	0.0185	-2.2307
ZNF365	1.5331	-4.9180	3.8003	0.0031	0.0185	-2.2319
SLC26A7	1.4589	-5.6834	3.8003	0.0031	0.0185	-2.2320
USP12	-1.0801	0.2461	-3.7995	0.0031	0.0185	-2.2333
RAB34	1.8045	0.8416	3.7983	0.0032	0.0185	-2.2354
E2F3	1.0429	-1.3137	3.7975	0.0032	0.0186	-2.2367
LOC285629	3.0199	-5.3589	3.7964	0.0032	0.0186	-2.2387
GRTP1	-1.7826	0.2410	-3.7956	0.0032	0.0186	-2.2401
FCGR1B	2.2671	0.2744	3.7949	0.0032	0.0186	-2.2413
PLEKHG2	1.4384	-1.7227	3.7935	0.0032	0.0187	-2.2437
C18orf50	-1.3347	2.0859	-3.7932	0.0032	0.0187	-2.2442
MTSS1	-1.8044	0.6354	-3.7931	0.0032	0.0187	-2.2444
GZMM	-2.2496	-0.8044	-3.7925	0.0032	0.0187	-2.2455
UCK1	-1.0958	0.9266	-3.7919	0.0032	0.0187	-2.2465
AA887462	1.6362	4.6189	3.7916	0.0032	0.0187	-2.2471
PAX8	1.2344	-3.8766	3.7902	0.0032	0.0187	-2.2494

LONRF3	-1.6982	-0.1264	-3.7899	0.0032	0.0187	-2.2499
SCEL	2.0558	-5.4372	3.7889	0.0032	0.0188	-2.2518
TYMS	1.4392	1.4256	3.7883	0.0032	0.0188	-2.2527
FA2H	3.6530	-1.8741	3.7843	0.0032	0.0189	-2.2597
FAM73B	-1.0387	-1.4260	-3.7837	0.0032	0.0189	-2.2608
CLIP3	1.2003	-1.1548	3.7831	0.0032	0.0189	-2.2617
POLR2B	1.1305	3.2643	3.7828	0.0032	0.0189	-2.2624
INPP5J	2.5928	-3.5223	3.7779	0.0033	0.0190	-2.2709
LOC100129931	1.2246	-3.8342	3.7774	0.0033	0.0190	-2.2716
IER3	1.4157	2.0303	3.7771	0.0033	0.0190	-2.2722
CKLF	1.2928	0.8797	3.7759	0.0033	0.0191	-2.2744
IL6R	-1.6620	-0.3889	-3.7749	0.0033	0.0191	-2.2761
DLX4	2.1821	-4.3807	3.7742	0.0033	0.0191	-2.2772
PLIN3	1.1319	2.0754	3.7736	0.0033	0.0191	-2.2783
OR2L3	1.7348	-6.4264	3.7736	0.0033	0.0191	-2.2783
CELA1	-1.4235	-6.1670	-3.7735	0.0033	0.0191	-2.2784
ATP6V1E2	1.1215	-1.2099	3.7732	0.0033	0.0191	-2.2791
SHPK	-1.1880	1.0522	-3.7725	0.0033	0.0191	-2.2802
SCN7A	-1.6556	-3.7132	-3.7721	0.0033	0.0192	-2.2809
LOC399715	1.3876	-4.2747	3.7714	0.0033	0.0192	-2.2821
BOLA2B	1.1578	2.0590	3.7712	0.0033	0.0192	-2.2824
SERPINA2	-3.5396	-3.5306	-3.7712	0.0033	0.0192	-2.2825
TUBB	1.0901	3.3194	3.7709	0.0033	0.0192	-2.2830
PDE9A	1.1113	-1.7708	3.7703	0.0033	0.0192	-2.2840
OK/SW-CL.36	-1.6238	-5.9519	-3.7698	0.0033	0.0192	-2.2849
MOSPD1	1.1123	0.2431	3.7697	0.0033	0.0192	-2.2850
ZADH1	-1.3578	0.3032	-3.7696	0.0033	0.0192	-2.2853
LINC00310	-1.4149	-3.4920	-3.7694	0.0033	0.0192	-2.2856
STBD1	-2.0497	0.6304	-3.7688	0.0033	0.0192	-2.2866
PTPN3	-1.7499	0.6549	-3.7659	0.0033	0.0193	-2.2917
TROAP	1.6138	-2.7158	3.7632	0.0033	0.0194	-2.2963
FBL	1.2042	3.4403	3.7599	0.0034	0.0195	-2.3021
FLJ40606	-1.1368	-2.8027	-3.7594	0.0034	0.0195	-2.3029
FOXB2	1.1936	-6.5537	3.7592	0.0034	0.0195	-2.3033
FAM166B	-1.8878	-4.3464	-3.7564	0.0034	0.0195	-2.3081
KIAA1815	1.5739	1.2189	3.7563	0.0034	0.0195	-2.3083
TTL11	-1.0139	-1.6910	-3.7563	0.0034	0.0195	-2.3083
QDPR	-2.3040	0.5000	-3.7550	0.0034	0.0196	-2.3107
TMPRSS11E	2.7258	-5.5138	3.7543	0.0034	0.0196	-2.3118
EBI3	-1.2358	-0.5301	-3.7538	0.0034	0.0196	-2.3127
GUCA1B	-1.6896	-2.7986	-3.7534	0.0034	0.0196	-2.3134
ATP6V0D2	2.6458	-4.5130	3.7525	0.0034	0.0196	-2.3151
GREB1	-1.5245	-4.4672	-3.7524	0.0034	0.0196	-2.3152

ST6GAL1	-1.5540	-0.9526	-3.7519	0.0034	0.0196	-2.3161
CDK9	-1.0563	0.5838	-3.7507	0.0034	0.0196	-2.3181
KIAA1505	1.0436	1.0813	3.7498	0.0034	0.0197	-2.3197
CBR3	1.3020	-2.0636	3.7480	0.0034	0.0197	-2.3228
BCAS4	1.6966	-2.4958	3.7441	0.0035	0.0199	-2.3297
SHISA9	3.3922	-4.6891	3.7436	0.0035	0.0199	-2.3305
ACSM1	-2.4815	-1.0225	-3.7430	0.0035	0.0199	-2.3316
MVK	-1.0930	2.7400	-3.7428	0.0035	0.0199	-2.3319
NCAM2	-2.4145	-2.6807	-3.7427	0.0035	0.0199	-2.3320
ISOC1	-1.4786	2.6655	-3.7422	0.0035	0.0199	-2.3329
PPT1	1.1275	1.6253	3.7419	0.0035	0.0199	-2.3334
UGDH	-1.2207	2.5938	-3.7414	0.0035	0.0199	-2.3343
OIP5	1.1724	-0.8689	3.7389	0.0035	0.0200	-2.3387
CRIP1	1.1256	-0.9808	3.7375	0.0035	0.0200	-2.3411
POP1	1.2373	-0.3353	3.7363	0.0035	0.0200	-2.3432
C19orf34	-1.6021	-6.9446	-3.7352	0.0035	0.0201	-2.3451
ATP1B2	-1.7053	-0.2933	-3.7348	0.0035	0.0201	-2.3457
SLC41A3	1.1216	1.0380	3.7327	0.0035	0.0201	-2.3494
ANKIB1	1.0980	0.3053	3.7315	0.0035	0.0202	-2.3515
GJA3	1.8079	-4.3014	3.7306	0.0035	0.0202	-2.3531
LOC100506123	1.2292	-0.3471	3.7284	0.0036	0.0202	-2.3569
OR11H12	1.7591	-6.7192	3.7283	0.0036	0.0202	-2.3571
TRPM6	-1.4632	-5.8482	-3.7257	0.0036	0.0203	-2.3616
AF275804	2.6118	-0.2173	3.7190	0.0036	0.0205	-2.3732
RDH12	-3.5183	-1.1187	-3.7189	0.0036	0.0205	-2.3734
BRIX1	1.0558	2.7434	3.7174	0.0036	0.0206	-2.3761
KCNN3	2.0207	-2.9982	3.7166	0.0036	0.0206	-2.3774
NAV3	1.9579	-3.1246	3.7152	0.0036	0.0206	-2.3799
LOC731989	-1.8757	2.5635	-3.7141	0.0036	0.0206	-2.3819
LOC728208	-4.4194	-2.8571	-3.7139	0.0036	0.0206	-2.3822
SIK2	-1.6923	-0.0969	-3.7128	0.0036	0.0207	-2.3841
FAM138D	1.0441	-5.5416	3.7123	0.0037	0.0207	-2.3849
IFNA4	1.2116	-4.2666	3.7116	0.0037	0.0207	-2.3862
CXCR4	1.6624	2.5705	3.7112	0.0037	0.0207	-2.3869
GIMAP7	-1.4208	1.1272	-3.7091	0.0037	0.0208	-2.3906
KIAA0319	1.5186	-6.5427	3.7062	0.0037	0.0208	-2.3957
PRKACG	-1.2729	-3.0711	-3.7049	0.0037	0.0209	-2.3978
CCT6A	1.3956	2.8509	3.7043	0.0037	0.0209	-2.3988
CHAC2	-1.2061	-1.1194	-3.7041	0.0037	0.0209	-2.3992
LRRC32	1.0727	1.9430	3.7029	0.0037	0.0209	-2.4013
LOC100128727	1.5159	-6.5071	3.7002	0.0037	0.0210	-2.4061
BC035371	1.3595	-1.6833	3.6991	0.0037	0.0210	-2.4080
ZNF14	1.2223	0.5118	3.6985	0.0037	0.0211	-2.4091

NPY5R	-1.8093	-2.7987	-3.6979	0.0037	0.0211	-2.4101
PPIF	-1.1905	2.0897	-3.6973	0.0037	0.0211	-2.4110
UBXD3	-2.1376	-4.1688	-3.6967	0.0037	0.0211	-2.4121
RAB9B	1.2513	-3.4090	3.6965	0.0038	0.0211	-2.4126
CTDSPL	1.0618	1.6600	3.6954	0.0038	0.0211	-2.4144
ENST00000315302	-1.2742	-6.6322	-3.6936	0.0038	0.0212	-2.4176
PITPNM2	-1.3824	-1.9105	-3.6932	0.0038	0.0212	-2.4183
LOC440970	2.0793	-3.5226	3.6932	0.0038	0.0212	-2.4183
APBA2	1.2866	-3.7360	3.6921	0.0038	0.0212	-2.4203
LOC100133306	1.5936	-5.4888	3.6917	0.0038	0.0212	-2.4208
SLC25A38	-1.1176	1.5007	-3.6909	0.0038	0.0212	-2.4224
ZNF28	1.1873	-1.7981	3.6905	0.0038	0.0213	-2.4230
FLJ45187	-3.4658	-3.8318	-3.6890	0.0038	0.0213	-2.4255
LOC197350	-1.7425	-4.9763	-3.6851	0.0038	0.0214	-2.4324
PDLIM2	-1.0297	-2.4436	-3.6847	0.0038	0.0214	-2.4330
GPRC5B	1.6438	1.7224	3.6832	0.0038	0.0215	-2.4357
DDTL	-2.7041	-1.0910	-3.6822	0.0038	0.0215	-2.4375
VNN1	-2.7594	1.4211	-3.6814	0.0038	0.0215	-2.4389
OR4C3	1.0443	-4.9142	3.6810	0.0039	0.0215	-2.4396
KIAA0114	1.5216	1.5525	3.6804	0.0039	0.0215	-2.4406
LRRN2	2.5529	-0.6825	3.6801	0.0039	0.0216	-2.4411
C12orf59	2.5808	-4.4878	3.6777	0.0039	0.0216	-2.4454
RPL35A	1.1515	4.0942	3.6774	0.0039	0.0216	-2.4458
DGCR6L	-1.4003	2.6122	-3.6773	0.0039	0.0216	-2.4461
FAM55B	1.4530	-6.8416	3.6765	0.0039	0.0217	-2.4475
LOC283867	1.1093	-6.2340	3.6756	0.0039	0.0217	-2.4489
CLCF1	2.0613	-1.4678	3.6734	0.0039	0.0217	-2.4528
CCDC113	1.7534	-1.8840	3.6734	0.0039	0.0217	-2.4528
TLR5	1.5329	-1.1889	3.6732	0.0039	0.0217	-2.4532
PRDM6	1.6472	-2.8993	3.6726	0.0039	0.0218	-2.4543
TRIP10	1.2051	-0.0801	3.6719	0.0039	0.0218	-2.4555
FLJ45121	-1.2122	-6.0528	-3.6712	0.0039	0.0218	-2.4566
KRT16	1.8678	-3.2786	3.6711	0.0039	0.0218	-2.4568
GLOD5	-3.0063	-1.4688	-3.6674	0.0039	0.0219	-2.4632
TCL1A	-2.4210	-2.7192	-3.6666	0.0039	0.0219	-2.4646
TTC39A	2.5588	-1.8176	3.6662	0.0039	0.0219	-2.4654
CNKS3	-1.6129	0.7677	-3.6643	0.0040	0.0220	-2.4687
CLEC4C	-1.9772	-6.3366	-3.6594	0.0040	0.0221	-2.4773
C1orf53	-1.5606	0.7359	-3.6593	0.0040	0.0221	-2.4774
C10orf110	-1.4712	-0.3597	-3.6592	0.0040	0.0221	-2.4776
KCNJ16	1.9226	-0.9667	3.6558	0.0040	0.0223	-2.4835
PRKRIP1	1.0580	0.4780	3.6543	0.0040	0.0223	-2.4861
DNAH6	-1.8207	-5.1547	-3.6543	0.0040	0.0223	-2.4862

SFN	2.4285	1.3738	3.6516	0.0040	0.0224	-2.4908
FHL2	1.3401	0.5469	3.6514	0.0041	0.0224	-2.4912
LRRC34	-1.1580	-2.9142	-3.6507	0.0041	0.0224	-2.4925
OTOP1	1.0964	-6.5343	3.6501	0.0041	0.0224	-2.4936
KIFAP3	1.1858	2.7376	3.6486	0.0041	0.0225	-2.4961
IAPP	-1.8613	-5.9585	-3.6484	0.0041	0.0225	-2.4964
GDF5	1.1175	-5.6941	3.6470	0.0041	0.0225	-2.4989
EIF5	-1.5896	0.3299	-3.6460	0.0041	0.0226	-2.5006
NAT11	1.2753	-2.3802	3.6458	0.0041	0.0226	-2.5009
SLC25A10	-2.2430	-1.1375	-3.6452	0.0041	0.0226	-2.5020
UNQ9438	-1.5676	-3.8335	-3.6451	0.0041	0.0226	-2.5021
NALCN	1.5239	-4.6823	3.6441	0.0041	0.0226	-2.5039
CENPI	1.9935	-3.9909	3.6432	0.0041	0.0226	-2.5056
LAT2	1.2355	1.5120	3.6430	0.0041	0.0226	-2.5059
BMPR1A	1.2305	0.0617	3.6424	0.0041	0.0226	-2.5070
FLJ20920	-1.6028	1.1030	-3.6422	0.0041	0.0226	-2.5072
GADD45B	-1.3573	2.9219	-3.6417	0.0041	0.0226	-2.5082
SLC2A4	-2.3499	-3.3195	-3.6416	0.0041	0.0226	-2.5083
FGF12	2.1129	-1.9760	3.6397	0.0041	0.0227	-2.5117
LOC100128348	1.0446	-2.7741	3.6396	0.0041	0.0227	-2.5119
LOC645249	2.4226	-2.5277	3.6390	0.0041	0.0227	-2.5130
ARHGEF26	-1.8054	0.5627	-3.6386	0.0041	0.0227	-2.5136
PABPC3	1.1177	2.4244	3.6381	0.0041	0.0228	-2.5144
ODF3L1	-1.8286	-3.8612	-3.6372	0.0042	0.0228	-2.5161
LOC401431	1.6331	-3.8385	3.6369	0.0042	0.0228	-2.5165
AK5	1.4431	-5.8901	3.6336	0.0042	0.0229	-2.5223
NUDT12	-1.5294	-0.0854	-3.6320	0.0042	0.0229	-2.5252
C17orf87	-1.3913	0.0595	-3.6314	0.0042	0.0229	-2.5261
ABHD11	1.2078	0.8952	3.6294	0.0042	0.0230	-2.5296
TWIST2	1.2320	-2.8414	3.6292	0.0042	0.0230	-2.5301
CBLN4	-1.5003	-2.7654	-3.6284	0.0042	0.0230	-2.5315
SLC39A8	-1.7510	-0.6404	-3.6269	0.0042	0.0231	-2.5341
COPZ2	-1.0817	1.4426	-3.6264	0.0042	0.0231	-2.5348
ZNF185	1.4548	0.3693	3.6264	0.0042	0.0231	-2.5349
JAKMIP2	-2.4429	-1.6417	-3.6259	0.0042	0.0231	-2.5357
SLC30A10	-3.6516	0.3651	-3.6257	0.0042	0.0231	-2.5361
LOC442075	1.6385	-4.1204	3.6230	0.0043	0.0232	-2.5408
MPND	-1.2774	0.0873	-3.6229	0.0043	0.0232	-2.5410
TUBA1B	1.0404	2.0637	3.6223	0.0043	0.0232	-2.5421
TTLL1	1.1125	-1.1519	3.6211	0.0043	0.0232	-2.5441
IL4I1	1.9459	1.4613	3.6209	0.0043	0.0232	-2.5446
CBR1	-1.8497	-1.3832	-3.6195	0.0043	0.0233	-2.5469
PRRX2	2.9621	-4.2315	3.6184	0.0043	0.0233	-2.5489

EIF3S3	1.0008	2.8291	3.6172	0.0043	0.0233	-2.5510
LOC399939	1.6366	-6.0489	3.6161	0.0043	0.0234	-2.5529
FBLIM1	1.8032	-1.3383	3.6159	0.0043	0.0234	-2.5532
LOC728445	1.2508	-4.7397	3.6154	0.0043	0.0234	-2.5541
C8G	-2.1416	2.8550	-3.6142	0.0043	0.0234	-2.5563
DCHS1	-1.1521	-1.6893	-3.6140	0.0043	0.0234	-2.5566
LHFPL5	1.4818	-4.0604	3.6139	0.0043	0.0234	-2.5568
SLCO5A1	2.0716	-4.5595	3.6134	0.0043	0.0234	-2.5575
LOC652119	1.2654	-1.8145	3.6133	0.0043	0.0234	-2.5578
RND3	-1.0805	2.5081	-3.6132	0.0043	0.0234	-2.5580
BDKRB2	2.5497	-1.6767	3.6124	0.0043	0.0235	-2.5595
DNAJC18	1.2875	-2.2617	3.6114	0.0043	0.0235	-2.5611
SLC6A8	2.0901	-1.1612	3.6114	0.0043	0.0235	-2.5612
CHST13	-2.3498	-0.6722	-3.6110	0.0043	0.0235	-2.5618
SOD3	1.6971	1.4263	3.6100	0.0043	0.0235	-2.5635
SYPL1	1.2954	2.5726	3.6088	0.0044	0.0236	-2.5657
SYNPO2L	1.3658	-5.2578	3.6070	0.0044	0.0236	-2.5688
CYP4Z1	-2.1344	-4.9508	-3.6051	0.0044	0.0237	-2.5721
C12orf49	1.4994	-0.8616	3.6044	0.0044	0.0237	-2.5733
ZNF208	1.0181	2.5149	3.6010	0.0044	0.0239	-2.5794
MNX1	3.9615	-3.3406	3.5984	0.0044	0.0240	-2.5839
LOC100129380	1.1347	-6.9384	3.5968	0.0044	0.0240	-2.5866
JDP2	-1.0460	2.2787	-3.5959	0.0045	0.0240	-2.5883
SLC22A15	3.1435	-2.7884	3.5955	0.0045	0.0240	-2.5889
FAM65B	-1.4058	-1.8552	-3.5940	0.0045	0.0241	-2.5916
TMEM155	1.6642	-6.6030	3.5939	0.0045	0.0241	-2.5918
ZNF767	1.0647	-1.0855	3.5935	0.0045	0.0241	-2.5924
ERN2	1.0275	-4.0818	3.5921	0.0045	0.0241	-2.5949
TFRC	1.2620	1.4919	3.5921	0.0045	0.0241	-2.5949
ENST00000299903	1.5872	-6.0345	3.5916	0.0045	0.0241	-2.5958
TNC	2.6386	1.3112	3.5915	0.0045	0.0241	-2.5960
EEFSEC	-1.0093	-1.4869	-3.5909	0.0045	0.0242	-2.5970
MGC40069	1.0772	-7.2825	3.5900	0.0045	0.0242	-2.5986
ZNF256	1.0910	0.3052	3.5892	0.0045	0.0242	-2.6000
PAPPA2	-1.8006	-6.5738	-3.5886	0.0045	0.0242	-2.6010
LRP1	-1.2531	1.8393	-3.5883	0.0045	0.0242	-2.6016
VANGL1	1.0468	1.4101	3.5881	0.0045	0.0242	-2.6020
LOC399875	-1.2808	-5.4109	-3.5864	0.0045	0.0243	-2.6049
THC2664654	1.6573	-3.0306	3.5864	0.0045	0.0243	-2.6049
ABCB1	-2.9777	0.4351	-3.5863	0.0045	0.0243	-2.6050
CRY2	-1.2765	1.6777	-3.5858	0.0045	0.0243	-2.6059
PODNL1	2.1115	-4.2135	3.5858	0.0045	0.0243	-2.6060
ARHGEF16	1.3916	-1.9533	3.5855	0.0045	0.0243	-2.6065

MINPP1	-1.0189	1.0324	-3.5853	0.0045	0.0243	-2.6068
SLC12A8	1.6134	0.0834	3.5852	0.0045	0.0243	-2.6070
OR9HIP	1.3553	-0.9162	3.5840	0.0045	0.0243	-2.6091
AP1G2	1.0627	0.8876	3.5832	0.0046	0.0244	-2.6105
KRT7	2.4279	2.7428	3.5832	0.0046	0.0244	-2.6105
RRNAD1	-1.0227	0.9262	-3.5823	0.0046	0.0244	-2.6121
NAV1	1.0414	-0.8636	3.5808	0.0046	0.0244	-2.6146
KIF6	-1.4907	-6.0177	-3.5794	0.0046	0.0245	-2.6171
PTGS1	1.2766	-1.1242	3.5790	0.0046	0.0245	-2.6179
LOC400622	1.0252	-7.3104	3.5789	0.0046	0.0245	-2.6180
MVP	1.2644	2.8115	3.5779	0.0046	0.0245	-2.6198
FOLR2	-1.4063	1.7768	-3.5776	0.0046	0.0245	-2.6202
LOC153469	-2.9709	-6.0354	-3.5766	0.0046	0.0245	-2.6220
GNPDA2	1.2299	0.4570	3.5752	0.0046	0.0246	-2.6244
C14orf72	1.9082	-2.9577	3.5739	0.0046	0.0246	-2.6268
JRK	1.0997	-1.7768	3.5735	0.0046	0.0246	-2.6275
TMEM237	1.5501	-0.6694	3.5733	0.0046	0.0246	-2.6278
TAS2R3	1.5126	-6.7687	3.5730	0.0046	0.0247	-2.6284
FCHSD1	1.3445	-4.9325	3.5714	0.0046	0.0247	-2.6312
CMA1	-1.8028	-4.8167	-3.5701	0.0047	0.0247	-2.6334
RUSC1	1.0744	-0.6204	3.5689	0.0047	0.0248	-2.6356
SERPINA5	-3.5918	2.7275	-3.5670	0.0047	0.0248	-2.6388
ABCC6	-2.4279	0.9096	-3.5657	0.0047	0.0249	-2.6411
CCDC158	-1.7363	-3.7404	-3.5651	0.0047	0.0249	-2.6421
XYLT1	1.9876	-2.1023	3.5646	0.0047	0.0249	-2.6430
SRPK2	1.1770	0.6945	3.5637	0.0047	0.0249	-2.6446
CSGALNACT1	1.9145	-2.2921	3.5618	0.0047	0.0250	-2.6479
PHF19	1.0765	-0.5531	3.5608	0.0047	0.0250	-2.6497
GADD45A	-1.4022	3.1608	-3.5603	0.0047	0.0251	-2.6506
PRICKLE1	1.3228	-0.1993	3.5589	0.0047	0.0251	-2.6530
AKAP3	-1.3336	-4.3779	-3.5572	0.0048	0.0252	-2.6560
SLC37A3	1.0178	-2.8526	3.5564	0.0048	0.0252	-2.6574
POLE	-1.1483	-2.0201	-3.5558	0.0048	0.0252	-2.6584
HSPB9	-3.0435	-1.9210	-3.5553	0.0048	0.0252	-2.6593
GAS2L1	1.1012	-0.9599	3.5545	0.0048	0.0252	-2.6607
SLC26A8	-2.6196	-5.9191	-3.5543	0.0048	0.0252	-2.6611
DNMT3B	1.1524	-3.3671	3.5538	0.0048	0.0253	-2.6620
CXCR7	1.2293	0.3942	3.5537	0.0048	0.0253	-2.6622
ALDH9A1	-1.0243	3.5622	-3.5532	0.0048	0.0253	-2.6630
ST3GAL1	-1.3573	2.3691	-3.5523	0.0048	0.0253	-2.6645
TMEM185B	1.0513	0.4461	3.5522	0.0048	0.0253	-2.6647
ZNF669	1.1611	-1.9317	3.5519	0.0048	0.0253	-2.6653
FLJ38984	1.1220	-1.0762	3.5517	0.0048	0.0253	-2.6656

MAD1L1	-1.4226	1.3728	-3.5510	0.0048	0.0253	-2.6668
C6orf162	-1.0590	-1.8285	-3.5509	0.0048	0.0253	-2.6671
SGCB	1.2857	1.4317	3.5508	0.0048	0.0253	-2.6673
LOC440731	1.6596	1.0414	3.5507	0.0048	0.0253	-2.6673
FIBIN	1.2839	-3.3869	3.5497	0.0048	0.0253	-2.6692
MALAT1	1.0881	2.0393	3.5494	0.0048	0.0254	-2.6697
KLF5	2.7635	-0.1009	3.5489	0.0048	0.0254	-2.6705
PIEZO1	1.2978	0.5089	3.5488	0.0048	0.0254	-2.6708
HLF	-1.9951	1.2898	-3.5485	0.0048	0.0254	-2.6712
TAP2	1.4777	-2.3907	3.5480	0.0048	0.0254	-2.6722
ST6GALNAC4	1.2856	-0.3912	3.5478	0.0048	0.0254	-2.6724
LRP5L	-1.0260	-0.5063	-3.5477	0.0048	0.0254	-2.6727
FAAH	-1.5331	-1.8377	-3.5475	0.0048	0.0254	-2.6730
PIP	2.6707	-6.3142	3.5468	0.0048	0.0254	-2.6742
KCNB1	-3.1866	-2.6811	-3.5464	0.0048	0.0254	-2.6749
OR2B6	1.0079	-7.0852	3.5452	0.0049	0.0255	-2.6770
FAM138E	1.0382	-7.4082	3.5449	0.0049	0.0255	-2.6775
PPAPDC2	-1.2199	0.6053	-3.5447	0.0049	0.0255	-2.6779
PPFIBP2	-1.2198	1.8143	-3.5445	0.0049	0.0255	-2.6782
ACTA1	1.8196	-6.5069	3.5441	0.0049	0.0255	-2.6789
NOPE	2.2272	-4.3299	3.5438	0.0049	0.0255	-2.6794
C17orf57	-1.1762	-5.7836	-3.5417	0.0049	0.0256	-2.6832
C13orf26	-2.7306	-6.6942	-3.5401	0.0049	0.0256	-2.6859
FMN1	1.3865	-3.8453	3.5397	0.0049	0.0256	-2.6866
DHX15	1.0112	3.1299	3.5356	0.0049	0.0258	-2.6938
ARHGAP42	-1.0305	-0.3537	-3.5355	0.0049	0.0258	-2.6941
LOC730092	-1.0180	-0.3553	-3.5348	0.0049	0.0258	-2.6952
LINGO1	1.6179	-4.2093	3.5337	0.0050	0.0259	-2.6971
GYPC	1.1589	0.8250	3.5326	0.0050	0.0259	-2.6991
SLC16A10	-2.6425	-2.2101	-3.5317	0.0050	0.0259	-2.7007
LOC285370	-1.2322	-7.2604	-3.5312	0.0050	0.0259	-2.7015
MSI2	1.2119	-0.8431	3.5301	0.0050	0.0260	-2.7035
DB326574	-1.8060	-4.0892	-3.5297	0.0050	0.0260	-2.7042
WIPF3	1.4735	-2.2348	3.5296	0.0050	0.0260	-2.7043
SDSL	-2.0090	2.8337	-3.5284	0.0050	0.0260	-2.7064
SERPINB3	2.4179	-6.1921	3.5276	0.0050	0.0260	-2.7079
FAM19A1	-1.0380	-6.4650	-3.5275	0.0050	0.0260	-2.7080
TWSG1	1.0082	1.3757	3.5271	0.0050	0.0260	-2.7087
SERP2	-1.1864	-2.4633	-3.5245	0.0050	0.0261	-2.7133
CLEC5A	3.1595	-4.2300	3.5240	0.0050	0.0261	-2.7141
BOP1	1.0116	1.2235	3.5234	0.0050	0.0262	-2.7153
ZNF738	1.2897	0.4546	3.5226	0.0051	0.0262	-2.7167
LOC283454	4.0769	-4.3231	3.5223	0.0051	0.0262	-2.7171

MACC1	2.6518	-2.2786	3.5210	0.0051	0.0262	-2.7194
ITIH2	-3.3589	3.6761	-3.5199	0.0051	0.0263	-2.7213
COL20A1	-1.0669	-4.3034	-3.5193	0.0051	0.0263	-2.7224
PRR5-ARHGAP8	2.5287	-3.0423	3.5181	0.0051	0.0263	-2.7246
CLIC5	1.8796	-0.7269	3.5168	0.0051	0.0264	-2.7267
INTU	1.5566	-2.5254	3.5157	0.0051	0.0264	-2.7286
FGF23	-1.9652	-6.0835	-3.5152	0.0051	0.0264	-2.7295
ARNT2	1.6409	-1.1626	3.5152	0.0051	0.0264	-2.7296
RPL7A	1.1220	4.7630	3.5150	0.0051	0.0264	-2.7300
GOLGA6C	-1.0951	0.4981	-3.5147	0.0051	0.0264	-2.7306
TC2N	1.9032	-0.3144	3.5144	0.0051	0.0264	-2.7311
C3orf80	2.4305	-2.5271	3.5132	0.0051	0.0265	-2.7332
FURIN	-1.8462	0.2131	-3.5101	0.0052	0.0266	-2.7385
CCDC150	-2.2542	-2.3073	-3.5077	0.0052	0.0267	-2.7428
GAS2	-3.2018	-0.4694	-3.5070	0.0052	0.0267	-2.7440
LOC497256	-1.3377	-0.3373	-3.5064	0.0052	0.0267	-2.7451
FAM127C	1.3055	-2.4364	3.5063	0.0052	0.0267	-2.7452
RFPL4A	-2.0210	-3.0695	-3.5055	0.0052	0.0268	-2.7466
MIA2	-2.2102	0.7772	-3.5052	0.0052	0.0268	-2.7472
DLX5	4.5202	-4.5007	3.5047	0.0052	0.0268	-2.7480
KLHL14	-1.2263	-5.0775	-3.5038	0.0052	0.0268	-2.7497
SCN4A	-1.1904	-6.0519	-3.5025	0.0052	0.0269	-2.7520
PCBP1	1.0113	4.6157	3.5021	0.0052	0.0269	-2.7526
CLRN3	-3.3675	0.0010	-3.5020	0.0052	0.0269	-2.7527
MFAP5	3.0624	-2.3458	3.5015	0.0052	0.0269	-2.7536
IL1R1	-1.3571	1.0628	-3.5014	0.0052	0.0269	-2.7537
CAPN1	1.0306	0.8381	3.4984	0.0053	0.0270	-2.7590
FBLN2	1.2926	0.7924	3.4984	0.0053	0.0270	-2.7591
EBF3	2.3070	-5.2303	3.4974	0.0053	0.0270	-2.7608
CCR9	-1.7485	-6.7096	-3.4972	0.0053	0.0270	-2.7612
LIN9	1.2254	-0.9746	3.4963	0.0053	0.0271	-2.7628
NLF2	-1.8946	-1.0925	-3.4957	0.0053	0.0271	-2.7638
TIMM8A	-1.2432	0.7379	-3.4957	0.0053	0.0271	-2.7639
KRBA1	1.3972	-0.9281	3.4940	0.0053	0.0271	-2.7667
PCBD1	-1.0644	3.5850	-3.4939	0.0053	0.0271	-2.7670
DCLK1	1.6521	-3.7909	3.4939	0.0053	0.0271	-2.7670
EFNA4	1.3928	0.5959	3.4938	0.0053	0.0271	-2.7672
NPAL3	1.2805	-0.2178	3.4933	0.0053	0.0271	-2.7681
TRIM6	1.5320	-2.0413	3.4905	0.0053	0.0272	-2.7729
FAM124B	-1.1657	-3.8862	-3.4902	0.0053	0.0272	-2.7735
MYCN	2.7842	-3.7474	3.4893	0.0054	0.0273	-2.7750
KRT27	-2.3035	-5.8168	-3.4885	0.0054	0.0273	-2.7765
FAM46A	-1.1150	1.2866	-3.4866	0.0054	0.0274	-2.7798

PPEF1	2.3128	-5.3650	3.4865	0.0054	0.0274	-2.7799
OR1L4	1.1031	-7.0907	3.4863	0.0054	0.0274	-2.7803
CXorf58	-1.2359	-6.6594	-3.4863	0.0054	0.0274	-2.7804
PPP1R1C	-3.1672	-1.9367	-3.4862	0.0054	0.0274	-2.7805
SKAP1	-2.1784	0.7338	-3.4860	0.0054	0.0274	-2.7808
CLDN18	1.0145	-6.8493	3.4856	0.0054	0.0274	-2.7815
OSCP1	1.0295	-1.9210	3.4855	0.0054	0.0274	-2.7817
ATRN	-1.0697	2.5114	-3.4852	0.0054	0.0274	-2.7822
C16orf47	-1.4735	-5.9164	-3.4851	0.0054	0.0274	-2.7823
CCRN4L	-1.6238	-1.2291	-3.4848	0.0054	0.0274	-2.7830
TM6SF1	1.2444	-1.3718	3.4835	0.0054	0.0274	-2.7852
LOC100129171	1.3962	-6.5542	3.4835	0.0054	0.0274	-2.7853
CCDC14	1.4112	0.6783	3.4832	0.0054	0.0275	-2.7858
GLI3	1.7859	-0.7426	3.4826	0.0054	0.0275	-2.7868
DNAH11	1.0610	-0.1501	3.4818	0.0054	0.0275	-2.7882
MADCAM1	-3.0574	-4.5143	-3.4813	0.0054	0.0275	-2.7891
SLC15A1	-1.6215	-3.7442	-3.4803	0.0054	0.0276	-2.7908
FAT4	-1.3400	-0.6079	-3.4801	0.0054	0.0276	-2.7911
LOC392196	1.4580	-6.2083	3.4801	0.0054	0.0276	-2.7911
FRAT1	-1.3449	-1.6481	-3.4791	0.0054	0.0276	-2.7929
C21orf84	-3.2418	-3.8209	-3.4782	0.0055	0.0276	-2.7945
ZNF695	1.2912	-3.5917	3.4781	0.0055	0.0276	-2.7947
IFT172	1.1080	0.0232	3.4777	0.0055	0.0276	-2.7955
NOL4	-3.4369	-5.1122	-3.4774	0.0055	0.0277	-2.7959
DRAM1	1.2492	1.7304	3.4770	0.0055	0.0277	-2.7967
LHB	1.0656	-4.0775	3.4756	0.0055	0.0277	-2.7991
TTBK1	-1.4424	-3.4272	-3.4751	0.0055	0.0277	-2.7999
ADAMTSL3	-2.0159	-0.0232	-3.4745	0.0055	0.0278	-2.8010
HOOK2	1.1715	0.0951	3.4735	0.0055	0.0278	-2.8028
STX19	1.8418	-2.2283	3.4729	0.0055	0.0278	-2.8039
CXCL2	-1.8855	2.3296	-3.4723	0.0055	0.0278	-2.8048
FECH	-1.3685	-0.9360	-3.4714	0.0055	0.0279	-2.8065
CPNE7	2.0999	-0.3445	3.4709	0.0055	0.0279	-2.8073
LRRC66	2.6411	-3.2364	3.4709	0.0055	0.0279	-2.8073
AK098354	1.3977	-0.4149	3.4690	0.0055	0.0280	-2.8107
RPGRIP1L	1.3536	-4.7463	3.4683	0.0055	0.0280	-2.8120
RILPL1	1.0816	-0.0837	3.4679	0.0056	0.0280	-2.8125
OR8J3	1.0003	-7.0828	3.4679	0.0056	0.0280	-2.8126
VGLL3	1.9501	-1.5673	3.4672	0.0056	0.0280	-2.8139
ENST00000340576	1.8098	-3.6690	3.4666	0.0056	0.0280	-2.8148
EPHA4	1.1902	-0.0914	3.4654	0.0056	0.0280	-2.8169
LOC100270710	1.8120	-1.0935	3.4653	0.0056	0.0280	-2.8172
DZANK1	1.4963	-1.6637	3.4652	0.0056	0.0280	-2.8174

ACMSD	-3.7435	1.2320	-3.4648	0.0056	0.0280	-2.8180
SCMH1	1.4296	-0.5702	3.4648	0.0056	0.0280	-2.8181
CDADC1	-1.1967	-0.6886	-3.4647	0.0056	0.0280	-2.8181
ZNF659	1.8758	-3.8229	3.4647	0.0056	0.0280	-2.8183
ARSA	-1.0703	2.6008	-3.4624	0.0056	0.0281	-2.8223
TESC	3.5859	1.3590	3.4617	0.0056	0.0282	-2.8234
OCIAD2	-1.0167	1.6988	-3.4595	0.0056	0.0282	-2.8274
FLJ33996	-1.5103	-3.3534	-3.4586	0.0056	0.0283	-2.8289
HCG18	1.3477	-0.5343	3.4584	0.0056	0.0283	-2.8293
TMEM125	2.1100	0.3644	3.4578	0.0057	0.0283	-2.8303
TRIM10	-1.8630	-4.2244	-3.4568	0.0057	0.0283	-2.8321
DNAJC28	-1.3745	-1.8039	-3.4563	0.0057	0.0284	-2.8330
MRAP	-1.4779	-5.2505	-3.4548	0.0057	0.0284	-2.8356
PRPS1L1	-1.1418	-0.1911	-3.4547	0.0057	0.0284	-2.8358
XKR4	-2.1853	-5.2384	-3.4543	0.0057	0.0284	-2.8365
SFRP2	3.7023	-2.7926	3.4537	0.0057	0.0284	-2.8376
SIGLEC9	-1.5062	-3.3595	-3.4531	0.0057	0.0284	-2.8387
C9orf100	1.2871	-4.0992	3.4520	0.0057	0.0285	-2.8406
PNPO	-1.1713	3.3833	-3.4518	0.0057	0.0285	-2.8409
FOXD4	1.4101	-2.3161	3.4513	0.0057	0.0285	-2.8417
CTBS	-1.0355	1.8643	-3.4505	0.0057	0.0285	-2.8431
FBXO15	-1.2583	-1.9777	-3.4504	0.0057	0.0285	-2.8433
OSTBETA	-1.7226	-4.0487	-3.4498	0.0057	0.0286	-2.8443
NRXN3	1.5086	-3.1365	3.4497	0.0057	0.0286	-2.8445
C16orf55	1.1421	-4.7098	3.4497	0.0057	0.0286	-2.8446
RGPD1	-1.9637	-1.2146	-3.4483	0.0057	0.0286	-2.8471
SAG	-1.2692	-6.7064	-3.4480	0.0057	0.0286	-2.8476
TULP2	-2.6426	-5.9985	-3.4478	0.0057	0.0286	-2.8480
MPO	-1.4118	-3.9303	-3.4467	0.0058	0.0287	-2.8498
CCT6B	-1.4823	-0.6064	-3.4454	0.0058	0.0287	-2.8521
SLC38A1	1.4815	-1.2444	3.4454	0.0058	0.0287	-2.8522
TMEM143	-1.1795	0.5369	-3.4447	0.0058	0.0287	-2.8533
KIF3C	2.0856	-2.3328	3.4443	0.0058	0.0288	-2.8540
DISP2	-1.3356	-4.2946	-3.4407	0.0058	0.0289	-2.8604
PDLIM4	2.3718	-5.4664	3.4400	0.0058	0.0289	-2.8615
C15orf39	1.1494	-0.7129	3.4394	0.0058	0.0290	-2.8626
HSPG2	1.2114	0.9560	3.4391	0.0058	0.0290	-2.8631
IFI30	1.2834	3.9879	3.4381	0.0058	0.0290	-2.8650
CLIP4	1.0166	-0.4919	3.4362	0.0059	0.0291	-2.8682
PRR15L	2.2834	-0.9318	3.4360	0.0059	0.0291	-2.8687
NIPSNAP3A	-1.0407	1.4246	-3.4357	0.0059	0.0291	-2.8692
SLC25A1	-1.1525	2.0779	-3.4350	0.0059	0.0291	-2.8704
B3GNTL1	1.4015	-0.1529	3.4343	0.0059	0.0291	-2.8716

ERV3-1	1.7119	-1.6125	3.4328	0.0059	0.0292	-2.8743
CCDC109B	1.4682	0.1750	3.4321	0.0059	0.0292	-2.8754
LDLR	-1.4681	2.3763	-3.4319	0.0059	0.0292	-2.8758
NANOS3	1.4718	-3.6772	3.4318	0.0059	0.0292	-2.8761
LOC147710	-3.5207	-2.4437	-3.4316	0.0059	0.0292	-2.8763
TMCO6	-1.2920	0.4233	-3.4311	0.0059	0.0293	-2.8772
SMARCD1	1.0052	0.5272	3.4296	0.0059	0.0293	-2.8799
IMPDH1	1.1353	1.1222	3.4294	0.0059	0.0293	-2.8803
DNMT3A	1.0878	0.4133	3.4283	0.0059	0.0294	-2.8821
OVOL2	3.1816	-1.6941	3.4282	0.0059	0.0294	-2.8824
CDKN3	1.4638	-0.9421	3.4281	0.0059	0.0294	-2.8826
DLGAP5	2.0636	-1.1298	3.4248	0.0060	0.0295	-2.8883
LOC100128219	1.5975	-5.8922	3.4234	0.0060	0.0296	-2.8907
RPL35	1.0933	4.5908	3.4231	0.0060	0.0296	-2.8914
FLJ37798	-1.0467	0.9046	-3.4221	0.0060	0.0296	-2.8931
HSPB1	1.0886	1.2010	3.4219	0.0060	0.0296	-2.8934
LOC643936	-1.4440	-5.6247	-3.4216	0.0060	0.0296	-2.8939
SRI	1.1096	0.6508	3.4192	0.0060	0.0297	-2.8981
BTBD3	1.3643	1.0445	3.4188	0.0060	0.0297	-2.8989
ADH7	-1.7849	-6.4419	-3.4181	0.0061	0.0298	-2.9001
SOX11	2.6068	-6.3700	3.4178	0.0061	0.0298	-2.9006
CLIC2	-1.3903	0.1145	-3.4174	0.0061	0.0298	-2.9014
RAB7B	1.7096	-2.2846	3.4171	0.0061	0.0298	-2.9018
ZNF678	1.2855	-4.4232	3.4160	0.0061	0.0298	-2.9037
CYB5D2	-1.0675	1.7988	-3.4152	0.0061	0.0299	-2.9053
DIRAS2	1.9680	-5.6377	3.4149	0.0061	0.0299	-2.9058
WASH3P	-1.1113	-1.3926	-3.4142	0.0061	0.0299	-2.9069
PRKCE	-1.0765	-2.5647	-3.4127	0.0061	0.0300	-2.9096
ITGB1BP1	1.0601	-0.4144	3.4113	0.0061	0.0300	-2.9121
FLJ38122	-2.0285	-6.5485	-3.4094	0.0061	0.0301	-2.9154
COQ5	-1.1265	1.1267	-3.4087	0.0062	0.0301	-2.9167
C19orf55	1.0289	-2.1670	3.4083	0.0062	0.0301	-2.9172
EXPH5	-1.8347	0.2113	-3.4080	0.0062	0.0301	-2.9178
ITGAD	-2.5950	-3.8430	-3.4074	0.0062	0.0302	-2.9188
ZRANB2	1.0347	3.0385	3.4071	0.0062	0.0302	-2.9195
LOC157562	1.0215	-1.5541	3.4057	0.0062	0.0302	-2.9219
RTN1	1.2802	-1.5777	3.4054	0.0062	0.0302	-2.9224
FAM169A	-1.7644	-1.4251	-3.4040	0.0062	0.0303	-2.9249
CNR2	-1.6229	-5.2395	-3.4034	0.0062	0.0303	-2.9259
IL18RAP	-1.3363	-0.6008	-3.4032	0.0062	0.0303	-2.9263
C12orf52	-1.1016	1.1940	-3.4028	0.0062	0.0303	-2.9271
MAPK15	1.3019	-4.2478	3.4027	0.0062	0.0303	-2.9271
RDX	-1.0772	-0.9577	-3.4022	0.0062	0.0303	-2.9280

C1orf204	1.9876	-5.8860	3.4021	0.0062	0.0303	-2.9281
BZW2	1.1626	2.0273	3.4021	0.0062	0.0303	-2.9282
ATP1B1	1.4262	2.6469	3.4009	0.0062	0.0304	-2.9304
LOC646875	1.0682	3.5397	3.3997	0.0062	0.0304	-2.9325
MYO7B	-1.9095	-4.5797	-3.3996	0.0062	0.0304	-2.9326
PKI55	1.4668	0.2710	3.3980	0.0063	0.0305	-2.9354
CDK10	-1.0417	0.7806	-3.3963	0.0063	0.0306	-2.9384
IGFBP1	-2.8797	2.5023	-3.3958	0.0063	0.0306	-2.9392
ABI2	1.1712	0.3808	3.3956	0.0063	0.0306	-2.9397
RND2	-3.0884	-4.0034	-3.3943	0.0063	0.0306	-2.9420
RPS23	1.1031	3.3742	3.3939	0.0063	0.0306	-2.9426
CD1D	-2.3208	-6.1997	-3.3907	0.0063	0.0308	-2.9482
CXYorf2	-1.2576	-0.9531	-3.3907	0.0063	0.0308	-2.9483
MGAT2	-1.0366	0.3472	-3.3876	0.0064	0.0309	-2.9538
LOC201617	-2.9196	-6.1354	-3.3857	0.0064	0.0310	-2.9571
KRTAP11-1	1.1583	-6.6321	3.3856	0.0064	0.0310	-2.9572
HPN	-2.8929	2.8190	-3.3855	0.0064	0.0310	-2.9574
RNF182	2.6840	-3.1134	3.3853	0.0064	0.0310	-2.9578
NARS2	-1.0435	0.8768	-3.3842	0.0064	0.0310	-2.9597
PCDHAC2	-1.8280	-4.6328	-3.3842	0.0064	0.0310	-2.9597
F3	1.3877	-0.1970	3.3840	0.0064	0.0310	-2.9600
C20orf108	-1.0819	0.1972	-3.3836	0.0064	0.0310	-2.9607
FKBP5	-1.3896	1.4062	-3.3828	0.0064	0.0310	-2.9621
GPR37	-2.8545	-6.1929	-3.3824	0.0064	0.0311	-2.9628
C22orf31	-1.0432	-4.7690	-3.3821	0.0064	0.0311	-2.9633
QPCT	1.0953	-1.4869	3.3814	0.0064	0.0311	-2.9646
BBS7	1.1343	-2.1696	3.3806	0.0065	0.0311	-2.9660
STAB1	-1.0420	1.4060	-3.3800	0.0065	0.0312	-2.9670
ATL1	1.7229	-1.2416	3.3793	0.0065	0.0312	-2.9683
GCM1	2.1625	-5.7316	3.3751	0.0065	0.0314	-2.9757
SLC4A11	1.8855	-1.8474	3.3746	0.0065	0.0314	-2.9766
CHRD	-1.1531	-0.9525	-3.3729	0.0065	0.0315	-2.9795
MAGED4	2.0299	-1.3127	3.3720	0.0066	0.0315	-2.9811
BSN	-1.2878	-2.5572	-3.3708	0.0066	0.0316	-2.9832
NQO2	-1.2586	-0.5155	-3.3707	0.0066	0.0316	-2.9834
KRT17	3.5895	-0.5725	3.3695	0.0066	0.0316	-2.9855
CXorf23	1.0863	-0.7365	3.3689	0.0066	0.0316	-2.9865
ELA2	-2.6628	-5.2450	-3.3681	0.0066	0.0317	-2.9880
KCNH4	1.1980	-4.4717	3.3673	0.0066	0.0317	-2.9895
LOC375010	2.0449	0.3846	3.3670	0.0066	0.0317	-2.9899
TARP	-2.1665	0.4538	-3.3664	0.0066	0.0317	-2.9910
OR10J3	1.0849	-6.4133	3.3658	0.0066	0.0318	-2.9920
EXTL1	2.4341	-5.2395	3.3652	0.0066	0.0318	-2.9931

BC052334	-1.2038	-0.6843	-3.3642	0.0066	0.0318	-2.9948
SNTG1	-1.8596	-5.3604	-3.3635	0.0067	0.0318	-2.9962
STC1	1.8507	-3.3084	3.3629	0.0067	0.0319	-2.9971
GGT8P	1.0889	-5.2679	3.3578	0.0067	0.0321	-3.0061
HNF4A	-3.1539	-0.3114	-3.3570	0.0067	0.0321	-3.0075
PAX9	2.2603	-4.6510	3.3560	0.0067	0.0322	-3.0092
RALGPS1	1.1964	-2.5118	3.3550	0.0068	0.0322	-3.0110
SIX4	2.9385	-3.0382	3.3538	0.0068	0.0323	-3.0132
LMAN1	-1.4310	-0.6120	-3.3530	0.0068	0.0323	-3.0146
CCDC151	-1.3433	-1.8703	-3.3530	0.0068	0.0323	-3.0146
MDN1	-1.5286	-2.3556	-3.3495	0.0068	0.0325	-3.0208
CTSH	1.6199	3.3456	3.3488	0.0068	0.0325	-3.0220
S100A4	1.3899	2.2549	3.3483	0.0068	0.0325	-3.0228
C15orf56	1.8861	-6.5554	3.3477	0.0068	0.0325	-3.0238
FAM163A	-1.3344	-4.7732	-3.3470	0.0068	0.0326	-3.0252
LOC256483	1.1142	-6.6264	3.3456	0.0069	0.0326	-3.0275
PTCRA	-1.1858	-2.4015	-3.3444	0.0069	0.0327	-3.0297
RAP1GAP2	1.3521	-3.0046	3.3435	0.0069	0.0327	-3.0312
LOC727710	-2.2189	-6.4608	-3.3426	0.0069	0.0328	-3.0329
MIR17HG	-1.2115	-2.2777	-3.3421	0.0069	0.0328	-3.0338
CHRNA4	-1.5866	2.4701	-3.3414	0.0069	0.0328	-3.0350
SNRPN	1.1581	1.5612	3.3400	0.0069	0.0329	-3.0373
MMACHC	-1.1719	0.7657	-3.3391	0.0069	0.0329	-3.0390
LIF	1.8842	-2.8677	3.3388	0.0069	0.0329	-3.0395
FAM155A	2.5695	-2.0546	3.3383	0.0070	0.0329	-3.0404
DAGLA	1.5369	-6.3607	3.3376	0.0070	0.0330	-3.0417
CCDC85A	2.2546	-4.0174	3.3374	0.0070	0.0330	-3.0421
RARRES1	1.7338	0.4647	3.3374	0.0070	0.0330	-3.0421
PRKCB	-1.5687	-1.6202	-3.3371	0.0070	0.0330	-3.0426
PTPDC1	1.3521	-2.2928	3.3357	0.0070	0.0331	-3.0450
ANGPT2	1.3267	0.1043	3.3352	0.0070	0.0331	-3.0458
IL28RA	-1.3848	-2.3217	-3.3329	0.0070	0.0332	-3.0500
PLOD3	1.3386	3.2620	3.3317	0.0070	0.0332	-3.0520
IKBKG	-1.0198	0.7413	-3.3316	0.0070	0.0332	-3.0523
CHTF18	1.0680	-0.4672	3.3305	0.0070	0.0333	-3.0542
CORO7	-1.1023	1.5585	-3.3299	0.0071	0.0333	-3.0552
CMYA5	-2.1525	-0.8888	-3.3299	0.0071	0.0333	-3.0553
CLEC11A	1.0242	0.0603	3.3299	0.0071	0.0333	-3.0553
AF116611	-1.3443	-6.9696	-3.3297	0.0071	0.0333	-3.0556
DDO	-1.4087	-1.3016	-3.3286	0.0071	0.0333	-3.0574
SORCS1	-1.5277	-5.8068	-3.3282	0.0071	0.0334	-3.0581
CAPN3	-1.2055	-0.2853	-3.3277	0.0071	0.0334	-3.0590
SH3RF2	-2.4458	-0.5172	-3.3263	0.0071	0.0335	-3.0616

FAM180A	-1.0478	-0.7463	-3.3262	0.0071	0.0335	-3.0618
RNF128	-2.2534	-4.2821	-3.3262	0.0071	0.0335	-3.0618
TLR4	-1.2691	0.5863	-3.3257	0.0071	0.0335	-3.0626
RPL10A	1.0893	3.8820	3.3256	0.0071	0.0335	-3.0628
GPR19	1.6618	-3.7346	3.3232	0.0071	0.0336	-3.0670
WDSOF1	1.0561	2.5755	3.3213	0.0072	0.0337	-3.0704
ENO2	1.4993	-1.1390	3.3209	0.0072	0.0337	-3.0710
PHACTR3	-1.4783	-5.9899	-3.3201	0.0072	0.0337	-3.0725
TCBA1	-2.3090	-6.1761	-3.3200	0.0072	0.0337	-3.0725
SELE	-2.0058	-1.9556	-3.3198	0.0072	0.0337	-3.0730
LOC346887	1.2062	-0.5949	3.3195	0.0072	0.0337	-3.0735
TNN	-1.6649	-1.0892	-3.3195	0.0072	0.0337	-3.0735
JPH1	2.7188	-3.6966	3.3189	0.0072	0.0338	-3.0746
PDGFB	1.2042	-0.1873	3.3187	0.0072	0.0338	-3.0749
SLC35A3	-1.2249	-0.2889	-3.3181	0.0072	0.0338	-3.0759
SLC35F2	2.2761	-2.5492	3.3179	0.0072	0.0338	-3.0763
MAL2	1.5532	2.3328	3.3175	0.0072	0.0338	-3.0770
GJA5	1.3673	-2.9442	3.3131	0.0073	0.0340	-3.0849
LEPREL4	1.4047	-1.1809	3.3119	0.0073	0.0341	-3.0869
HTR7P	-1.2458	-5.1467	-3.3116	0.0073	0.0341	-3.0874
LOC339894	-1.3621	-6.3403	-3.3106	0.0073	0.0341	-3.0892
MPP1	-1.1698	0.8118	-3.3101	0.0073	0.0341	-3.0900
C20orf121	-1.4574	1.0200	-3.3080	0.0073	0.0342	-3.0938
FLJ25476	1.0173	1.9064	3.3076	0.0073	0.0343	-3.0945
LOC650293	1.6742	-4.8917	3.3075	0.0073	0.0343	-3.0946
BEX4	1.1399	1.3935	3.3069	0.0073	0.0343	-3.0958
GPR161	1.0531	-2.4341	3.3062	0.0073	0.0343	-3.0969
QSOX1	1.4354	1.3278	3.3061	0.0074	0.0343	-3.0971
ESRP1	4.2190	-1.8118	3.3052	0.0074	0.0343	-3.0987
LOC254099	1.2150	-7.1236	3.3039	0.0074	0.0344	-3.1009
EPPK1	1.6548	0.3638	3.3014	0.0074	0.0345	-3.1054
NPR2	-1.2107	0.5586	-3.2990	0.0074	0.0347	-3.1097
LOC730227	1.6974	-6.3203	3.2978	0.0075	0.0347	-3.1117
RAB19	2.3577	-3.1746	3.2934	0.0075	0.0349	-3.1194
ENDOG	-1.7155	1.5786	-3.2924	0.0075	0.0350	-3.1212
ELF3	1.4664	1.9258	3.2922	0.0075	0.0350	-3.1216
KRT23	3.3908	0.6225	3.2919	0.0075	0.0350	-3.1221
CROCCP3	1.1184	-4.6042	3.2913	0.0075	0.0350	-3.1232
TEGT	-1.0962	4.0404	-3.2912	0.0075	0.0350	-3.1233
RBKS	-2.0277	2.6468	-3.2907	0.0076	0.0350	-3.1242
CDKN2A	1.5853	-0.9362	3.2903	0.0076	0.0350	-3.1249
UGT3A2	-1.7979	-3.4846	-3.2894	0.0076	0.0351	-3.1264
MTSS1L	-1.2818	-2.1061	-3.2890	0.0076	0.0351	-3.1272

LOC157740	-1.3714	-1.9459	-3.2888	0.0076	0.0351	-3.1275
LOC100506128	-1.3765	-6.0257	-3.2881	0.0076	0.0351	-3.1287
C11orf80	1.7536	-2.5951	3.2881	0.0076	0.0351	-3.1288
MYO1D	1.0142	0.0028	3.2855	0.0076	0.0352	-3.1334
ENST00000377492	1.3539	-2.4586	3.2848	0.0076	0.0353	-3.1345
LOC285957	-1.1553	1.5360	-3.2838	0.0076	0.0353	-3.1364
CABC1	-1.4729	0.9962	-3.2826	0.0077	0.0354	-3.1385
PDE1C	1.8713	-3.7610	3.2818	0.0077	0.0354	-3.1399
LARP6	1.3956	0.2157	3.2818	0.0077	0.0354	-3.1399
C8orf16	1.7768	-5.7002	3.2799	0.0077	0.0354	-3.1432
ID4	1.8194	-0.8675	3.2785	0.0077	0.0355	-3.1457
CHI3L1	-2.2708	2.6648	-3.2778	0.0077	0.0355	-3.1469
KCTD14	-2.4759	-0.6354	-3.2740	0.0078	0.0358	-3.1536
ANO9	2.2092	-2.7811	3.2737	0.0078	0.0358	-3.1541
FOXH1	1.0739	-5.8131	3.2727	0.0078	0.0358	-3.1560
ADRA1D	1.1657	-6.7581	3.2725	0.0078	0.0358	-3.1563
HMGCR	-1.1046	1.2791	-3.2723	0.0078	0.0358	-3.1565
NRSN1	1.7309	-5.5801	3.2722	0.0078	0.0358	-3.1567
MIXL1	1.1925	-6.0059	3.2711	0.0078	0.0359	-3.1588
UNQ6125	1.3622	-4.3204	3.2708	0.0078	0.0359	-3.1593
NCAPD2	1.0056	0.4904	3.2698	0.0078	0.0359	-3.1609
MAP1LC3A	-1.1608	0.8006	-3.2695	0.0078	0.0359	-3.1615
PKIA	2.0327	-2.0713	3.2688	0.0078	0.0359	-3.1628
EFNA3	1.7819	-2.1719	3.2687	0.0078	0.0359	-3.1630
C12orf47	1.1569	0.2526	3.2679	0.0079	0.0360	-3.1643
HCP5	1.2588	1.2265	3.2676	0.0079	0.0360	-3.1649
ZG16B	2.8746	-0.7948	3.2668	0.0079	0.0360	-3.1663
CSNK1E	1.1326	1.9269	3.2618	0.0079	0.0363	-3.1751
SLC39A1	1.0228	2.5594	3.2617	0.0079	0.0363	-3.1752
PDE7B	-1.6109	-2.2701	-3.2614	0.0079	0.0363	-3.1758
FOXN4	-2.4771	-6.7443	-3.2610	0.0080	0.0363	-3.1765
MARK1	1.3468	-3.9113	3.2610	0.0080	0.0363	-3.1765
DCDC2	3.4138	-0.1231	3.2602	0.0080	0.0364	-3.1779
TYRO3	1.6908	0.2851	3.2600	0.0080	0.0364	-3.1783
MCM3APAS	1.4884	-2.5437	3.2587	0.0080	0.0364	-3.1805
ADAMTS10	1.0141	-1.0905	3.2585	0.0080	0.0364	-3.1810
RBL1	1.1053	-3.1598	3.2584	0.0080	0.0364	-3.1811
BC035184	2.2880	-6.0195	3.2583	0.0080	0.0364	-3.1812
OR51D1	1.3682	-7.3010	3.2578	0.0080	0.0364	-3.1821
SDC2	-2.0621	-2.1654	-3.2578	0.0080	0.0364	-3.1822
KIAA1826	1.0215	0.2029	3.2534	0.0081	0.0367	-3.1898
OR51B4	1.0741	-6.7899	3.2505	0.0081	0.0368	-3.1949
NLRP11	-2.9535	-4.6604	-3.2497	0.0081	0.0368	-3.1965

LOC727808	-1.1788	-3.6162	-3.2496	0.0081	0.0368	-3.1965
LOC100652967	-1.0472	-7.0414	-3.2493	0.0081	0.0368	-3.1971
DCK	1.0679	-2.0180	3.2476	0.0081	0.0369	-3.2000
TDRD6	-1.1571	-3.3006	-3.2472	0.0081	0.0370	-3.2008
CCDC28B	1.1183	-1.0351	3.2458	0.0082	0.0370	-3.2032
PPP1R3G	-2.9361	-0.2187	-3.2447	0.0082	0.0371	-3.2052
TNFRSF14	-1.2482	0.7956	-3.2435	0.0082	0.0371	-3.2073
KIF26B	1.0215	-2.8319	3.2433	0.0082	0.0371	-3.2077
SH3RF3	1.0613	-2.8841	3.2428	0.0082	0.0372	-3.2085
GRIP2	1.0081	-5.2907	3.2397	0.0083	0.0373	-3.2140
CCDC152	-1.1884	-1.8666	-3.2392	0.0083	0.0374	-3.2149
AADACL1	2.1627	1.0564	3.2385	0.0083	0.0374	-3.2160
LOC285147	-1.2131	-2.3326	-3.2383	0.0083	0.0374	-3.2164
DEFB126	1.1546	-6.9562	3.2379	0.0083	0.0374	-3.2171
SIX1	2.6001	-3.0540	3.2372	0.0083	0.0374	-3.2183
KLK10	1.2428	-7.2551	3.2349	0.0083	0.0376	-3.2224
FBP2	-1.2434	-7.3942	-3.2349	0.0083	0.0376	-3.2225
LOC254896	1.6116	-3.1396	3.2336	0.0083	0.0376	-3.2247
KRT6C	2.7066	-5.7885	3.2335	0.0083	0.0376	-3.2249
LOC284669	-1.9614	-2.4723	-3.2322	0.0084	0.0377	-3.2272
C14orf41	-1.9240	-4.4831	-3.2319	0.0084	0.0377	-3.2276
ZCCHC6	-1.3297	-3.1101	-3.2317	0.0084	0.0377	-3.2280
DRD1	-2.6613	-4.9398	-3.2315	0.0084	0.0377	-3.2284
BDNF	1.1145	-4.9864	3.2315	0.0084	0.0377	-3.2284
KLHL38	1.3857	-6.4192	3.2311	0.0084	0.0377	-3.2290
SERPINB4	2.2569	-6.6475	3.2285	0.0084	0.0378	-3.2337
GLIS3	1.3509	-3.1624	3.2285	0.0084	0.0378	-3.2338
ATG9B	1.0396	-5.1475	3.2281	0.0084	0.0379	-3.2344
KCNK2	3.3314	-3.8502	3.2275	0.0084	0.0379	-3.2356
LOC286272	1.0431	-2.3912	3.2273	0.0084	0.0379	-3.2357
MRAS	1.4646	0.5732	3.2272	0.0084	0.0379	-3.2360
TMEM45B	-3.0057	-0.1401	-3.2270	0.0084	0.0379	-3.2363
FAM59B	1.6744	-4.1551	3.2268	0.0084	0.0379	-3.2368
ASB4	-1.8322	-4.3369	-3.2264	0.0084	0.0379	-3.2374
TUBB4A	-1.6987	-5.4098	-3.2249	0.0085	0.0380	-3.2400
C9orf68	-1.1530	-3.4777	-3.2236	0.0085	0.0380	-3.2423
FLJ44342	1.0741	-0.8563	3.2220	0.0085	0.0381	-3.2451
FAM83A	-1.0824	-6.3335	-3.2208	0.0085	0.0382	-3.2472
CFH	-2.4053	3.2900	-3.2202	0.0085	0.0382	-3.2484
UBE2J1	-1.0050	0.1203	-3.2198	0.0085	0.0382	-3.2490
ALDH18A1	1.0280	1.8363	3.2196	0.0085	0.0382	-3.2494
DZIP1L	1.1213	-4.0511	3.2194	0.0085	0.0382	-3.2496
RBBP8	1.1729	1.2462	3.2191	0.0086	0.0382	-3.2502

FAM116B	1.2053	-1.7046	3.2178	0.0086	0.0383	-3.2525
IL23R	-1.2597	-4.3908	-3.2164	0.0086	0.0384	-3.2550
LOC729732	1.6998	-5.6113	3.2159	0.0086	0.0384	-3.2559
CST8	-1.7050	-7.1396	-3.2148	0.0086	0.0384	-3.2578
TTLL2	-2.7227	-6.3189	-3.2139	0.0086	0.0384	-3.2595
ZNF157	-1.0369	-2.3919	-3.2138	0.0086	0.0384	-3.2595
PGM2L1	1.1527	-1.0022	3.2130	0.0086	0.0385	-3.2610
TREH	-2.8343	-2.9155	-3.2126	0.0087	0.0385	-3.2616
HEY1	1.7012	0.5609	3.2100	0.0087	0.0386	-3.2662
FOXJ1	2.6269	-1.9191	3.2098	0.0087	0.0386	-3.2666
ENST00000377525	1.5860	-3.5745	3.2096	0.0087	0.0386	-3.2669
VAV3	2.0518	0.3450	3.2095	0.0087	0.0386	-3.2671
DEXI	-1.1011	1.7517	-3.2088	0.0087	0.0387	-3.2684
RHCG	-1.1102	-3.5485	-3.2076	0.0087	0.0388	-3.2704
SLC6A10P	1.3194	-2.1850	3.2071	0.0087	0.0388	-3.2714
LOC649314	1.2545	3.9305	3.2068	0.0087	0.0388	-3.2719
KCNG1	1.9812	-4.2581	3.2062	0.0087	0.0388	-3.2729
LOC729177	1.3293	-5.0229	3.2059	0.0088	0.0388	-3.2735
NET1	-1.0016	1.6577	-3.2053	0.0088	0.0389	-3.2745
LOC553137	-2.1057	-0.7255	-3.2042	0.0088	0.0389	-3.2765
SEMA3D	-1.6581	-4.1269	-3.2033	0.0088	0.0389	-3.2782
PCDHB13	1.5853	0.2951	3.2029	0.0088	0.0390	-3.2788
PRSS3	-1.9273	-1.6947	-3.2024	0.0088	0.0390	-3.2796
ZCCHC2	-1.0246	1.1266	-3.2012	0.0088	0.0391	-3.2817
SMYD3	1.0434	0.5679	3.1994	0.0089	0.0392	-3.2850
SH2D4A	-1.3788	0.0495	-3.1993	0.0089	0.0392	-3.2851
LOC100270804	1.4679	-2.8359	3.1983	0.0089	0.0392	-3.2869
DEFB131	1.3051	-5.7345	3.1954	0.0089	0.0394	-3.2919
MYO16	-3.0483	-4.2022	-3.1954	0.0089	0.0394	-3.2920
NINJ2	-1.3243	-0.1823	-3.1954	0.0089	0.0394	-3.2920
MUC17	1.1796	-5.1546	3.1948	0.0089	0.0394	-3.2931
LRRC33	-1.0690	-0.2314	-3.1943	0.0089	0.0394	-3.2939
NFIL3	-1.1346	2.5873	-3.1939	0.0089	0.0394	-3.2947
RAG2	1.0322	-7.2296	3.1906	0.0090	0.0396	-3.3004
TMOD1	-1.0079	1.5757	-3.1896	0.0090	0.0396	-3.3021
PRODH	-1.5767	-1.9799	-3.1894	0.0090	0.0396	-3.3026
IL8	1.8848	-2.4782	3.1887	0.0090	0.0397	-3.3038
NDRG1	1.3752	2.8328	3.1873	0.0090	0.0398	-3.3063
LOC100131792	1.3110	-6.3294	3.1867	0.0091	0.0398	-3.3073
FAM162A	-1.0292	3.6677	-3.1864	0.0091	0.0398	-3.3078
GJA1	1.4017	0.4119	3.1861	0.0091	0.0398	-3.3084
PCDHB18	1.1461	-3.5048	3.1860	0.0091	0.0398	-3.3085
HOXD1	1.5929	-6.8487	3.1858	0.0091	0.0398	-3.3089

SUSD5	1.9336	-3.0269	3.1855	0.0091	0.0398	-3.3095
SNORD8	1.0379	-5.0095	3.1852	0.0091	0.0398	-3.3099
EOMES	-2.3768	-2.1663	-3.1852	0.0091	0.0398	-3.3100
SMOC2	1.6021	0.3124	3.1844	0.0091	0.0399	-3.3113
CDSN	2.6118	-6.3915	3.1837	0.0091	0.0399	-3.3125
LOC100132529	-2.6113	-3.2074	-3.1818	0.0091	0.0400	-3.3160
PLEKHO1	1.0016	2.0705	3.1814	0.0091	0.0400	-3.3167
ENST00000324988	1.1264	-6.7132	3.1803	0.0092	0.0401	-3.3186
UNQ6975	2.2736	-5.1506	3.1795	0.0092	0.0401	-3.3200
CR1	-2.2313	-3.4845	-3.1787	0.0092	0.0401	-3.3214
GABRB2	1.3566	-6.0504	3.1786	0.0092	0.0401	-3.3216
LRG1	-1.7970	3.4722	-3.1737	0.0093	0.0404	-3.3302
FAM13A	-2.9420	0.5835	-3.1732	0.0093	0.0405	-3.3310
MITF	1.8486	0.7205	3.1720	0.0093	0.0405	-3.3332
AGPAT4	1.3038	-2.7230	3.1711	0.0093	0.0406	-3.3348
AK021668	1.1451	-0.1791	3.1710	0.0093	0.0406	-3.3349
CHRNA6	2.7567	-5.2358	3.1676	0.0094	0.0408	-3.3409
RERG	1.3491	0.4152	3.1664	0.0094	0.0409	-3.3431
FCGR2B	-1.7994	1.9281	-3.1653	0.0094	0.0409	-3.3450
AF074986	-1.7166	-4.3291	-3.1636	0.0094	0.0410	-3.3480
ENST00000311208	3.5114	-0.4262	3.1609	0.0095	0.0412	-3.3527
SIX2	2.3556	-4.8827	3.1608	0.0095	0.0412	-3.3529
HEMGN	-3.4719	-4.2372	-3.1597	0.0095	0.0413	-3.3548
DSCAM	-1.3041	-5.1953	-3.1589	0.0095	0.0414	-3.3562
CEP68	1.0732	-2.1048	3.1577	0.0095	0.0414	-3.3583
LINC00347	-1.2053	-6.5068	-3.1533	0.0096	0.0416	-3.3662
MRGPRF	-1.6037	-1.7603	-3.1519	0.0096	0.0417	-3.3686
ZNF684	-1.0756	-0.5614	-3.1510	0.0096	0.0418	-3.3701
DDX26B	1.3730	-0.7817	3.1510	0.0096	0.0418	-3.3701
ENST00000370548	-1.6197	-1.5176	-3.1503	0.0096	0.0418	-3.3715
ALDH1B1	-1.8704	2.5375	-3.1491	0.0097	0.0418	-3.3735
C6orf134	1.3909	-3.1748	3.1485	0.0097	0.0419	-3.3745
CNIH	-1.0826	1.5446	-3.1448	0.0097	0.0421	-3.3811
NPTX2	2.7269	-0.6072	3.1445	0.0097	0.0421	-3.3816
HLA-DRB1	1.4655	4.5783	3.1444	0.0097	0.0421	-3.3818
LIPM	1.8281	-4.9262	3.1444	0.0097	0.0421	-3.3818
HES2	1.5612	-3.7190	3.1436	0.0098	0.0422	-3.3832
FAM71D	-1.8667	-5.7938	-3.1430	0.0098	0.0422	-3.3842
HLA-A	1.0306	2.7201	3.1429	0.0098	0.0422	-3.3844
SPC24	1.2647	-2.5768	3.1425	0.0098	0.0422	-3.3851
HAPLN4	-3.1049	-4.5766	-3.1421	0.0098	0.0422	-3.3858
PAGE4	-2.3461	-5.5911	-3.1416	0.0098	0.0422	-3.3868
MMP28	1.0683	-1.5461	3.1414	0.0098	0.0422	-3.3870

DMD	-1.4853	-2.4643	-3.1406	0.0098	0.0423	-3.3884
TEAD4	1.2521	-0.8211	3.1400	0.0098	0.0423	-3.3895
DUSP1	-1.3701	2.3396	-3.1400	0.0098	0.0423	-3.3895
RAB3B	3.1533	-3.4332	3.1398	0.0098	0.0423	-3.3898
PLCD3	2.0698	-2.8335	3.1377	0.0099	0.0425	-3.3936
AGPAT3	-1.0931	1.2453	-3.1370	0.0099	0.0425	-3.3947
BAIAP2L2	2.7115	-3.6626	3.1365	0.0099	0.0425	-3.3956
LOC201651	-3.9873	-1.7543	-3.1336	0.0099	0.0427	-3.4008
CD58	1.7109	1.2644	3.1326	0.0100	0.0428	-3.4025
GNA15	1.0215	-1.1761	3.1299	0.0100	0.0429	-3.4073
LOC387867	1.0540	3.0213	3.1285	0.0100	0.0430	-3.4097
HAVCR1	3.4362	-4.3804	3.1260	0.0101	0.0431	-3.4141
FLT3	-2.3341	-3.9312	-3.1257	0.0101	0.0431	-3.4148
O3FAR1	1.7455	-3.2411	3.1254	0.0101	0.0432	-3.4153
B3GAT1	-3.3260	-1.1496	-3.1248	0.0101	0.0432	-3.4163
LOC100287326	1.1321	-4.7981	3.1239	0.0101	0.0432	-3.4179
CLGN	-1.5745	-0.8189	-3.1205	0.0102	0.0435	-3.4238
FAM176B	1.2024	-6.0059	3.1189	0.0102	0.0436	-3.4267
SLC41A2	-2.3942	1.6491	-3.1187	0.0102	0.0436	-3.4270
EPS8	1.0652	0.9959	3.1184	0.0102	0.0436	-3.4275
STX18	1.0453	2.5141	3.1167	0.0102	0.0437	-3.4306
FAM171A1	1.1970	1.2328	3.1147	0.0103	0.0438	-3.4340
C7orf29	-1.2644	0.2328	-3.1137	0.0103	0.0439	-3.4358
SACS	1.2062	-1.4105	3.1127	0.0103	0.0439	-3.4376
SERPINA3	-2.3879	3.5724	-3.1112	0.0103	0.0440	-3.4402
E2F1	1.0407	-2.4001	3.1108	0.0103	0.0440	-3.4409
C7orf31	1.0804	-7.3085	3.1096	0.0104	0.0441	-3.4430
FLJ13744	3.2680	-2.9822	3.1087	0.0104	0.0442	-3.4446
NCS1	1.9020	-2.8361	3.1065	0.0104	0.0443	-3.4484
FOXC1	2.4791	-0.2035	3.1062	0.0104	0.0443	-3.4490
ADORA1	1.4355	-4.2183	3.1061	0.0104	0.0443	-3.4492
LIPH	3.1255	-0.8191	3.1054	0.0104	0.0444	-3.4503
FLJ30901	-2.0111	-4.5636	-3.1038	0.0105	0.0445	-3.4532
FAM189A2	2.3340	-2.0875	3.1028	0.0105	0.0445	-3.4549
TSHZ3	1.0261	-0.4985	3.1028	0.0105	0.0445	-3.4550
XBP1	-1.3157	3.5544	-3.1024	0.0105	0.0445	-3.4557
LOC100506191	1.1321	-3.2247	3.1015	0.0105	0.0445	-3.4572
PAQR6	1.2586	-1.3543	3.1013	0.0105	0.0445	-3.4576
LOC728175	-1.0852	-5.8572	-3.0994	0.0105	0.0447	-3.4610
FLVCR2	-1.6087	-2.6483	-3.0992	0.0106	0.0447	-3.4613
FGD6	1.4185	-2.4035	3.0992	0.0106	0.0447	-3.4614
FAM131C	1.7419	-2.2080	3.0982	0.0106	0.0447	-3.4630
RND1	-3.1250	-0.4725	-3.0978	0.0106	0.0447	-3.4637

ERRFI1	-1.6186	2.9458	-3.0978	0.0106	0.0447	-3.4638
PKP2	-1.9330	-1.6045	-3.0973	0.0106	0.0447	-3.4646
LOC100129581	1.1238	-6.1236	3.0950	0.0106	0.0449	-3.4686
ZIM2	-1.7933	2.2447	-3.0949	0.0106	0.0449	-3.4689
SALL1	-2.9726	-2.0995	-3.0947	0.0106	0.0449	-3.4693
LOC131055	1.0177	1.7356	3.0932	0.0107	0.0450	-3.4719
TMED6	-2.5471	-1.3596	-3.0930	0.0107	0.0450	-3.4722
PCDHB10	2.2505	-2.9691	3.0930	0.0107	0.0450	-3.4723
PTX3	2.9853	-2.9194	3.0928	0.0107	0.0450	-3.4726
SLC2A1	1.6029	-2.7502	3.0921	0.0107	0.0450	-3.4738
HSPA6	1.3662	-2.6409	3.0912	0.0107	0.0451	-3.4754
HMGA1	1.5566	0.0046	3.0902	0.0107	0.0452	-3.4771
ATP6V1B1	2.9569	-5.8415	3.0894	0.0107	0.0452	-3.4786
LOC100133957	-1.4649	-4.5165	-3.0891	0.0107	0.0452	-3.4791
C12orf48	1.1990	-4.8721	3.0875	0.0108	0.0453	-3.4819
TTY6	1.0849	-6.1554	3.0872	0.0108	0.0453	-3.4824
OR2T8	1.5016	-6.4059	3.0871	0.0108	0.0453	-3.4827
RAPH1	-1.1160	0.7179	-3.0868	0.0108	0.0453	-3.4832
GPR27	1.1999	-3.8150	3.0867	0.0108	0.0453	-3.4834
OR10R2	1.0176	-6.9700	3.0850	0.0108	0.0454	-3.4862
MLF1	1.3589	-1.6454	3.0839	0.0108	0.0455	-3.4882
FOXP2	-2.6184	-3.5719	-3.0817	0.0109	0.0456	-3.4921
DKFZP586K1520	-1.5662	-5.2373	-3.0810	0.0109	0.0457	-3.4933
OR2L8	1.7866	-6.9455	3.0806	0.0109	0.0457	-3.4940
PROK2	-3.0452	-4.6420	-3.0803	0.0109	0.0457	-3.4945
MYO19	1.1199	0.1460	3.0786	0.0109	0.0458	-3.4976
RNF168	-1.0454	-3.3659	-3.0754	0.0110	0.0460	-3.5031
KIAA1958	-1.1170	-3.3255	-3.0740	0.0110	0.0461	-3.5056
COX7A1	1.1738	1.9566	3.0733	0.0110	0.0461	-3.5070
DNMBP-AS1	-2.3441	-5.5933	-3.0728	0.0111	0.0461	-3.5077
RPL7	1.1586	2.5005	3.0722	0.0111	0.0462	-3.5088
COLEC12	2.1090	-0.9112	3.0721	0.0111	0.0462	-3.5090
GABRB3	-2.1219	-2.9203	-3.0719	0.0111	0.0462	-3.5094
GPR157	-1.0149	-3.4203	-3.0706	0.0111	0.0463	-3.5117
SLC35C1	-1.4082	1.1477	-3.0704	0.0111	0.0463	-3.5119
AMPD3	1.1136	-4.1340	3.0698	0.0111	0.0463	-3.5130
GNRH2	-1.2969	-5.1694	-3.0679	0.0111	0.0464	-3.5163
PTGER1	-1.2227	-2.8527	-3.0666	0.0112	0.0465	-3.5186
C2orf7	-1.1154	0.4296	-3.0665	0.0112	0.0465	-3.5188
RASEF	2.7575	-3.5617	3.0655	0.0112	0.0465	-3.5206
FRG2	1.4114	-6.8567	3.0647	0.0112	0.0466	-3.5220
SLC16A4	-1.0580	1.7398	-3.0644	0.0112	0.0466	-3.5225
USH1C	2.9571	-0.0704	3.0642	0.0112	0.0466	-3.5228

C6orf225	-1.2237	-1.4685	-3.0635	0.0112	0.0466	-3.5241
C18orf42	-1.3257	-7.2698	-3.0632	0.0112	0.0466	-3.5247
HOXB1	1.1353	-6.1825	3.0626	0.0112	0.0467	-3.5256
NR6A1	-1.4372	-4.8928	-3.0615	0.0113	0.0467	-3.5277
CLU	-2.5938	4.1896	-3.0614	0.0113	0.0467	-3.5278
PDC	1.0321	-4.3309	3.0611	0.0113	0.0467	-3.5283
GPX7	1.8196	-0.4757	3.0611	0.0113	0.0467	-3.5284
DKFZp667F0711	1.1048	-4.5839	3.0606	0.0113	0.0468	-3.5292
PLCL2	-1.2097	0.1446	-3.0581	0.0113	0.0470	-3.5337
C11orf70	1.4332	-4.7157	3.0575	0.0114	0.0470	-3.5346
CNTN2	-2.0780	-6.0866	-3.0571	0.0114	0.0470	-3.5354
TMEM108	1.4517	-3.2267	3.0558	0.0114	0.0471	-3.5376
PHGR1	-1.3089	-5.0907	-3.0538	0.0114	0.0472	-3.5412
C14orf162	-1.7247	-4.5550	-3.0529	0.0114	0.0473	-3.5428
TMCC2	1.0607	-3.0235	3.0511	0.0115	0.0474	-3.5459
HIST1H2BF	1.0805	0.4915	3.0494	0.0115	0.0475	-3.5489
PTCHD3	-2.6073	-5.9190	-3.0476	0.0116	0.0476	-3.5520
BCL2L10	-2.3786	-0.1464	-3.0462	0.0116	0.0477	-3.5546
PRH2	-1.6038	-2.5648	-3.0459	0.0116	0.0477	-3.5550
C22orf33	-2.8622	-6.1330	-3.0459	0.0116	0.0477	-3.5550
C14orf102	-1.0023	-0.4692	-3.0455	0.0116	0.0478	-3.5557
SERPINA9	-1.5536	-6.2655	-3.0452	0.0116	0.0478	-3.5564
LOC255480	1.2326	-6.5885	3.0451	0.0116	0.0478	-3.5565
ANGPT4	1.1201	-5.1457	3.0449	0.0116	0.0478	-3.5569
RIMKLA	2.2633	-3.6453	3.0442	0.0116	0.0478	-3.5580
IQCA1	1.4507	-4.6539	3.0436	0.0116	0.0479	-3.5590
MFN2	-1.0617	0.7605	-3.0436	0.0116	0.0479	-3.5591
CCNG2	1.3673	-0.0972	3.0412	0.0117	0.0480	-3.5633
ITGB3	-1.3005	-2.2543	-3.0410	0.0117	0.0481	-3.5637
SIRT4	-1.2990	-1.4071	-3.0405	0.0117	0.0481	-3.5646
PLA2G5	-1.4950	-1.5365	-3.0395	0.0117	0.0481	-3.5663
TRPV1	-1.2623	-2.4103	-3.0391	0.0117	0.0481	-3.5670
ZP3	1.7680	-3.3327	3.0379	0.0117	0.0482	-3.5691
AK098605	1.0518	3.3846	3.0377	0.0118	0.0482	-3.5695
SGOL1	1.0991	-4.1803	3.0376	0.0118	0.0482	-3.5696
C7orf60	1.0087	-3.3241	3.0359	0.0118	0.0484	-3.5727
GIMAP6	-1.0180	1.3728	-3.0358	0.0118	0.0484	-3.5728
SMPDL3B	1.6387	-2.1927	3.0333	0.0118	0.0485	-3.5771
DCLK2	1.0439	-3.0792	3.0333	0.0118	0.0485	-3.5772
STX1A	1.1915	-4.0984	3.0330	0.0118	0.0485	-3.5777
FSTL3	1.4728	1.5181	3.0320	0.0119	0.0486	-3.5796
SORCS2	-1.1203	-2.9295	-3.0312	0.0119	0.0486	-3.5808
CDH17	1.9246	-5.6011	3.0277	0.0120	0.0489	-3.5871

FLJ46875	1.3355	-2.7835	3.0267	0.0120	0.0489	-3.5888
ANKRD26P1	-2.0178	-6.2986	-3.0256	0.0120	0.0490	-3.5908
ASCL3	-1.0408	-7.0988	-3.0255	0.0120	0.0490	-3.5909
GK	-1.5965	-1.6928	-3.0250	0.0120	0.0490	-3.5918
SAA2	-2.3964	0.1979	-3.0217	0.0121	0.0493	-3.5975
LOC339975	1.0025	-7.3326	3.0208	0.0121	0.0494	-3.5992
CXCR2P1	-2.7036	-0.4702	-3.0182	0.0122	0.0495	-3.6037
LBX2	-1.4613	-2.3352	-3.0173	0.0122	0.0496	-3.6053
AKT3	1.1592	0.4439	3.0156	0.0122	0.0497	-3.6084
TRIM49	1.6479	-3.8010	3.0155	0.0122	0.0497	-3.6085
CLEC4GP1	-2.0430	-6.6391	-3.0131	0.0123	0.0499	-3.6127
OR4A47	1.2568	-5.3765	3.0117	0.0123	0.0500	-3.6151