

	logFC	AveExpr	t	P.Value	adj.P.Val	B
NFKBID	-2.08727	1.608494	-10.7198	1.05E-09	2.05E-05	12.21904
NADSYN1	-1.64021	0.97417	-10.252	2.23E-09	2.18E-05	11.53199
FASTKD3	-1.59649	0.542749	-9.42803	8.98E-09	5.24E-05	10.25176
CTAGE4	-1.63516	1.029487	-9.32767	1.07E-08	5.24E-05	10.0895
PDE6D	-1.48248	0.939198	-9.05495	1.73E-08	6.15E-05	9.641427
ZNF213	-1.6009	1.325965	-8.96293	2.04E-08	6.15E-05	9.487843
GET4	-1.13941	0.807962	-8.88013	2.37E-08	6.15E-05	9.348612
FLJ22184	1.840795	-1.33772	8.792833	2.78E-08	6.15E-05	9.200762
OBFC1	-1.69949	0.650481	-8.69986	3.29E-08	6.15E-05	9.042075
VAV2	2.074467	-1.86138	8.627895	3.76E-08	6.15E-05	8.918384
ZFPM1	1.698426	-1.21502	8.614837	3.85E-08	6.15E-05	8.895859
ZNF434	-1.20169	0.805685	-8.59432	4.00E-08	6.15E-05	8.860413
OSBPL9	-1.58367	1.208838	-8.58345	4.08E-08	6.15E-05	8.841608
VPS52	-1.46865	1.188755	-8.50854	4.68E-08	6.55E-05	8.711563
UBE2J1	-1.97896	1.205312	-8.34799	6.32E-08	7.68E-05	8.430064
C9orf62	1.747245	-1.26445	8.333403	6.49E-08	7.68E-05	8.404295
P2RX1	-2.09945	1.405955	-8.31217	6.76E-08	7.68E-05	8.366729
LDHA	-2.62566	1.460236	-8.26933	7.32E-08	7.68E-05	8.29075
TMEM158	1.959473	-1.37503	8.260559	7.45E-08	7.68E-05	8.275158
BMS1	-1.17692	0.622429	-8.15755	9.05E-08	8.48E-05	8.091197
TIGD3	2.625339	-1.36874	8.155174	9.09E-08	8.48E-05	8.086934
TAGLN3	2.021907	-1.73813	8.129232	9.55E-08	8.51E-05	8.040347
CTAGE5	-1.83565	1.183912	-8.09902	1.01E-07	8.62E-05	7.985963
ANKRD11	-1.05663	0.814461	-8.03123	1.15E-07	9.40E-05	7.863446
NKAP	-1.50751	0.951393	-7.98517	1.26E-07	9.67E-05	7.779812
SLC4A1AP	-1.3489	0.867205	-7.96089	1.32E-07	9.67E-05	7.7356
ABCA3	1.43273	-0.66878	7.92911	1.40E-07	9.67E-05	7.677582
CIDEB	-1.69746	1.391939	-7.89718	1.49E-07	9.67E-05	7.619151
RBM5	-1.59603	1.524373	-7.89519	1.50E-07	9.67E-05	7.615509
PCDHA11	2.032061	-1.76855	7.870251	1.57E-07	9.67E-05	7.569747
C20orf72	-1.40898	1.050198	-7.86346	1.59E-07	9.67E-05	7.557275
BAALC	1.994557	-1.36606	7.862695	1.59E-07	9.67E-05	7.555866
RNF41	-1.13579	0.986108	-7.85165	1.63E-07	9.67E-05	7.535568
PSMD6	-1.31863	0.543445	-7.81677	1.74E-07	0.0001	7.471308
ERO1L	-1.97657	1.171397	-7.74731	2.00E-07	0.000107	7.342827
GUCY1A2	-1.85364	0.364566	-7.91698	2.06E-07	0.000107	7.330911
LOC613126	2.140274	-1.46614	7.712169	2.14E-07	0.000107	7.277548
PSMD7	-0.85446	0.539801	-7.71042	2.15E-07	0.000107	7.274294
ATG12	-1.46957	0.764607	-7.70624	2.16E-07	0.000107	7.266508
MAEA	-2.06985	1.519975	-7.70142	2.18E-07	0.000107	7.25755
ZNF513	-1.44778	0.996865	-7.68571	2.25E-07	0.000108	7.228269
SNAPIN	-1.08575	0.42944	-7.62746	2.53E-07	0.000118	7.119423
ARHGEF6	-2.18192	1.49416	-7.60816	2.62E-07	0.000118	7.083241
LBX1	2.095197	-1.38003	7.603439	2.65E-07	0.000118	7.074391
SLC30A7	-1.61483	0.815217	-7.56429	2.86E-07	0.000122	7.000816
RAB7L1	-1.04513	0.628672	-7.56266	2.87E-07	0.000122	6.997731

PDSS1	-2.91084	0.934573	-7.53995	3.00E-07	0.000125	6.954935
LCE5A	2.191734	-1.41817	7.513981	3.16E-07	0.000128	6.905909
TRMT6	-1.42374	0.594393	-7.49945	3.25E-07	0.000128	6.878435
SYF2	-1.20077	0.914795	-7.49651	3.27E-07	0.000128	6.872872
FAM32A	-1.23512	0.699958	-7.48243	3.37E-07	0.000129	6.846207
LPCAT3	-2.12424	1.491429	-7.46455	3.49E-07	0.000131	6.812299
INTS12	-1.16669	0.667874	-7.44914	3.60E-07	0.000133	6.783038
ZC3H3	-2.57176	1.905103	-7.40754	3.91E-07	0.000139	6.703876
SEPHS2	-1.74096	0.925236	-7.4073	3.91E-07	0.000139	6.703416
BTK	-1.24019	0.885593	-7.39045	4.04E-07	0.000141	6.671278
LOC100130	2.169287	-1.40125	7.382189	4.11E-07	0.000141	6.655508
TTC13	-1.30618	0.663992	-7.37165	4.20E-07	0.000142	6.635365
MYCBP	-1.67877	1.171977	-7.33947	4.48E-07	0.000145	6.57378
FCRL5	-2.07106	1.624625	-7.33545	4.52E-07	0.000145	6.566069
TMEM185I	-2.34929	1.627892	-7.33436	4.53E-07	0.000145	6.563996
ING2	-0.86326	0.559045	-7.31572	4.70E-07	0.000149	6.52822
TMEM184I	-1.95081	1.33475	-7.30306	4.82E-07	0.00015	6.503913
TMED5	-1.75955	1.036578	-7.28859	4.96E-07	0.000152	6.476079
CACNA2D2	2.005433	-1.12104	7.244868	5.42E-07	0.000157	6.391828
GPX1	2.309606	-1.46961	7.236361	5.52E-07	0.000157	6.375399
FBXO7	3.174887	-1.82292	7.219105	5.71E-07	0.000157	6.342044
PLEKHA8	1.642571	-0.42594	7.370563	5.78E-07	0.000157	6.339493
CTAGE11P	-1.4615	0.684194	-7.21338	5.78E-07	0.000157	6.330961
BUD31	-1.08246	0.745846	-7.20512	5.88E-07	0.000157	6.314987
ZKSCAN1	-1.45287	1.043598	-7.20512	5.88E-07	0.000157	6.314973
WSB1	-2.59717	1.201578	-7.20235	5.91E-07	0.000157	6.309615
HECTD3	-1.54214	1.529846	-7.18558	6.11E-07	0.000157	6.277122
YWHAZ	-1.71143	1.322872	-7.18307	6.14E-07	0.000157	6.272242
ARPP19	-1.37212	0.959564	-7.1784	6.20E-07	0.000157	6.263189
POLL	1.453342	-0.79276	7.175885	6.23E-07	0.000157	6.258303
FAM156A	-0.8331	0.629689	-7.17394	6.26E-07	0.000157	6.254533
MLF2	-1.50244	1.442699	-7.17361	6.26E-07	0.000157	6.253885
HIATL1	-1.7556	0.928416	-7.16084	6.43E-07	0.000159	6.229079
RTF1	-1.24265	1.040229	-7.11352	7.08E-07	0.000173	6.136973
LOC100130	1.144144	-0.62174	7.07853	7.60E-07	0.000181	6.068656
AK2	-0.95801	0.913411	-7.06553	7.81E-07	0.000181	6.043227
MAU2	-0.89326	0.511119	-7.06432	7.83E-07	0.000181	6.040853
PLP2	-2.07399	1.360527	-7.06408	7.83E-07	0.000181	6.040391
ACN9	-1.91459	0.751852	-7.0636	7.84E-07	0.000181	6.039444
PXN	-2.33851	1.744753	-7.05716	7.94E-07	0.000181	6.026841
SNW1	-0.8883	0.767782	-7.04527	8.14E-07	0.000183	6.003535
SDC4	1.448661	-1.0461	7.024624	8.49E-07	0.000189	5.963042
NME6	-1.29233	0.878295	-7.0158	8.65E-07	0.00019	5.94571
PPP1R11	-1.601	1.107	-7.00908	8.77E-07	0.000191	5.93251
AKAP17A	-0.93646	0.537231	-6.98081	9.29E-07	0.000197	5.876888
HMGXB4	-0.7821	0.302517	-6.97709	9.36E-07	0.000197	5.869555
LOC401320	-2.00437	1.323894	-6.97556	9.39E-07	0.000197	5.866548

PRMT2	-1.24377	0.797759	-6.97188	9.46E-07	0.000197	5.859291
PLAC8	-2.71868	1.295749	-6.9597	9.70E-07	0.0002	5.835264
C11orf71	-1.53408	0.811375	-6.95605	9.78E-07	0.0002	5.828064
PSPC1	-1.51661	0.91623	-6.94087	1.01E-06	0.000204	5.798085
HMGB3	-1.2502	0.67564	-6.93629	1.02E-06	0.000204	5.789045
PIGG	-0.9219	0.511063	-6.90173	1.09E-06	0.000215	5.720654
HNRNPA2E	-1.28663	0.807011	-6.89973	1.10E-06	0.000215	5.7167
UBE2Q1	-1.68155	1.245634	-6.89029	1.12E-06	0.000217	5.697971
RPIA	1.857675	-1.4397	6.866056	1.18E-06	0.000222	5.649877
TCHP	-1.31669	1.026586	-6.86504	1.18E-06	0.000222	5.647856
MLX	-1.03789	0.757405	-6.85912	1.19E-06	0.000222	5.636096
IFITM5	1.595606	-1.00987	6.858078	1.20E-06	0.000222	5.634024
SAP30L	-1.51452	0.971311	-6.85603	1.20E-06	0.000222	5.629944
CACNA1I	1.996406	-1.07788	6.849188	1.22E-06	0.000222	5.616347
FAM20A	-3.61764	1.949059	-6.84418	1.23E-06	0.000222	5.606392
GRM4	0.853102	-0.44014	6.843042	1.24E-06	0.000222	5.604119
NDUFA8	-0.81446	0.698444	-6.83804	1.25E-06	0.000222	5.594164
FOXQ1	1.904299	-1.14074	6.800038	1.35E-06	0.000233	5.518407
AAK1	2.382643	-1.5307	6.799983	1.35E-06	0.000233	5.518296
SLC37A3	-2.18683	1.339089	-6.79291	1.37E-06	0.000233	5.504178
TMCO3	-2.50404	1.324858	-6.78901	1.38E-06	0.000233	5.496376
ARHGAP3C	-1.13752	1.049265	-6.78208	1.40E-06	0.000233	5.482529
APPL2	-1.26607	0.712059	-6.78057	1.41E-06	0.000233	5.479507
POU2F1	1.240422	-0.93221	6.777317	1.42E-06	0.000233	5.473011
VWCE	4.535593	-1.91286	6.77505	1.42E-06	0.000233	5.468478
KLRB1	3.126749	-2.02929	6.77138	1.43E-06	0.000233	5.461138
EDARADD	1.130395	-0.87198	6.771102	1.43E-06	0.000233	5.460581
ZSWIM3	-0.81238	0.643778	-6.77058	1.44E-06	0.000233	5.459536
SNRNP27	-1.45925	0.807367	-6.7595	1.47E-06	0.000233	5.437361
LOC729164	1.250141	-0.84185	6.757485	1.48E-06	0.000233	5.433328
ATPAF1	-1.35962	0.810654	-6.75674	1.48E-06	0.000233	5.431837
ODC1	1.698028	-0.80011	6.753513	1.49E-06	0.000233	5.425372
USP35	-1.18462	0.612832	-6.74531	1.51E-06	0.000234	5.408932
BAG1	3.282355	-1.96156	6.744165	1.52E-06	0.000234	5.406642
ISY1	-1.5477	0.883933	-6.7229	1.59E-06	0.000242	5.363979
CDC37	-1.58439	1.215408	-6.71385	1.62E-06	0.000242	5.345808
Mar-08	2.551249	-1.24447	6.71125	1.63E-06	0.000242	5.340589
ZFP91	-1.2569	1.001162	-6.7098	1.63E-06	0.000242	5.337666
SLC25A28	-1.37303	0.481478	-6.70978	1.63E-06	0.000242	5.33764
ZNF276	-1.56841	1.075052	-6.69384	1.69E-06	0.000246	5.305582
MFAP1	-1.20226	1.034384	-6.69305	1.69E-06	0.000246	5.303999
FAM127B	-1.49961	1.326981	-6.6922	1.69E-06	0.000246	5.302297
RIPK3	-1.87048	1.086975	-6.68151	1.73E-06	0.000249	5.280771
APBB3	-0.91124	0.752671	-6.67933	1.74E-06	0.000249	5.276387
PHOX2A	0.975945	-0.89689	6.672893	1.76E-06	0.00025	5.263416
TTC17	-1.04771	0.494738	-6.66886	1.78E-06	0.000251	5.255296
CSGALNAC	-2.44293	1.20388	-6.66397	1.80E-06	0.000251	5.245427

LAIR1	-2.28629	1.076504	-6.65627	1.82E-06	0.000254	5.229898
ADPGK	-1.27125	0.513433	-6.64692	1.86E-06	0.000256	5.211048
GALNT2	-2.10586	1.274118	-6.64481	1.87E-06	0.000256	5.206789
RAB7A	-2.34562	1.635524	-6.63665	1.90E-06	0.000257	5.190298
LOC43995	2.304668	-1.21225	6.633116	1.92E-06	0.000257	5.183164
DSCR3	-1.3503	1.022442	-6.62849	1.93E-06	0.000257	5.173812
CAPN6	2.576294	-1.71623	6.742903	2.00E-06	0.000257	5.167888
KLKB1	3.018837	-1.68299	6.619714	1.97E-06	0.000257	5.156074
SAP25	1.84325	-1.16453	6.619043	1.97E-06	0.000257	5.154716
TTI1	-1.4872	1.459958	-6.61327	2.00E-06	0.000257	5.143036
C17orf56	-0.71751	0.540886	-6.61133	2.01E-06	0.000257	5.139116
KIN	-1.89298	1.011302	-6.60625	2.03E-06	0.000257	5.128827
YKT6	-1.30481	0.735754	-6.60469	2.03E-06	0.000257	5.125676
C12orf5	-1.04629	0.532423	-6.60375	2.04E-06	0.000257	5.12376
DCTN1	1.317215	-0.49332	6.599583	2.06E-06	0.000257	5.115332
ZNFX1-AS1	-2.2367	1.45673	-6.59705	2.07E-06	0.000257	5.110199
LHFPL5	1.706159	-1.15966	6.593783	2.08E-06	0.000257	5.103583
USP12	1.090925	-0.90675	6.592284	2.09E-06	0.000257	5.100546
RER1	-1.49947	1.228562	-6.58957	2.10E-06	0.000257	5.095056
IDI1	-2.30669	0.473266	-6.58943	2.10E-06	0.000257	5.094772
MTRNR2L2	1.741085	-1.11187	6.577907	2.15E-06	0.000262	5.0714
GPR182	1.761838	-1.21252	6.563997	2.22E-06	0.000268	5.043172
PHTF1	-2.06263	0.972189	-6.55883	2.24E-06	0.000268	5.032674
EFEMP2	-1.65907	1.007982	-6.55844	2.24E-06	0.000268	5.031882
MGC16121	-1.67432	0.719175	-6.5535	2.27E-06	0.000269	5.021862
GK	-2.75555	1.546091	-6.55103	2.28E-06	0.000269	5.016828
CDC42EP5	1.587234	-1.02358	6.548767	2.29E-06	0.000269	5.012234
RAC2	-1.66285	1.276852	-6.54483	2.31E-06	0.000269	5.004226
CD55	-3.16864	2.35698	-6.54045	2.33E-06	0.000269	4.995321
FAM193B	-1.34185	1.108619	-6.53905	2.34E-06	0.000269	4.992477
PPIB	-1.10378	1.120604	-6.53109	2.38E-06	0.000271	4.976291
PROSC	-1.09073	0.75129	-6.52565	2.40E-06	0.000271	4.965219
RPS6KA5	2.106996	-1.33575	6.52541	2.41E-06	0.000271	4.964723
SUPT7L	-1.21496	0.820294	-6.52456	2.41E-06	0.000271	4.962989
SOCS3	-2.49349	1.61438	-6.51891	2.44E-06	0.000272	4.951486
SHISA4	3.241737	-1.60876	6.515134	2.46E-06	0.000272	4.943797
PHKG2	-1.19285	0.803777	-6.51329	2.47E-06	0.000272	4.940033
TPM4	-1.72482	1.255953	-6.51281	2.47E-06	0.000272	4.939057
XRN2	-1.69753	0.824023	-6.49435	2.57E-06	0.000281	4.901416
TCEANC2	-1.20456	0.839539	-6.49198	2.58E-06	0.000281	4.896587
PROKR1	2.420314	-1.48093	6.480447	2.65E-06	0.000286	4.873046
PLAA	-0.82113	0.256962	-6.475	2.68E-06	0.000286	4.861924
DDX42	-0.82077	0.440188	-6.47327	2.69E-06	0.000286	4.858385
LEMD2	-0.79771	0.487528	-6.47203	2.69E-06	0.000286	4.85585
MRPL33	-1.51671	1.064798	-6.47034	2.70E-06	0.000286	4.852406
LPCAT2	-2.77601	1.587807	-6.46714	2.72E-06	0.000287	4.845861
PGC	2.286694	-1.40279	6.461748	2.75E-06	0.000288	4.834833

LOC100288	-1.37212	0.809283	-6.45627	2.79E-06	0.000288	4.823623
ERLIN2	-1.99332	1.117137	-6.4555	2.79E-06	0.000288	4.82206
ARHGAP24	-1.65663	1.000396	-6.45522	2.79E-06	0.000288	4.821485
Sep-03	1.899752	-0.58479	6.551749	2.94E-06	0.000293	4.795887
NKIRAS2	-1.54168	1.380925	-6.43856	2.89E-06	0.000293	4.787391
TEX261	-1.04561	0.835845	-6.43725	2.90E-06	0.000293	4.784702
GABRP	3.450342	-1.95695	6.436988	2.90E-06	0.000293	4.784163
BATF	-1.85953	0.997321	-6.43474	2.92E-06	0.000293	4.779557
LSR	1.758006	-0.86777	6.432417	2.93E-06	0.000293	4.774799
RPP14	-0.82525	0.514797	-6.43185	2.93E-06	0.000293	4.773631
NEDD8	-0.81019	0.679417	-6.42778	2.96E-06	0.000293	4.765302
RAB4B	-1.49756	0.904373	-6.41251	3.06E-06	0.000301	4.733989
FAM46C	2.2773	-1.2843	6.407874	3.09E-06	0.000301	4.724472
LOC100130	3.438648	-1.9688	6.407856	3.09E-06	0.000301	4.724435
MEF2BNB	-1.40117	0.819181	-6.4003	3.14E-06	0.000301	4.708925
SEL1L3	-1.30382	0.790305	-6.39877	3.15E-06	0.000301	4.705778
CD164	-1.80845	1.103959	-6.39783	3.15E-06	0.000301	4.70386
LOC100506	-1.57915	0.593918	-6.39604	3.17E-06	0.000301	4.700164
HPR	-3.31436	2.093303	-6.39413	3.18E-06	0.000301	4.696254
CACNB3	1.104816	-0.45092	6.392005	3.19E-06	0.000301	4.691886
SORBS3	1.861286	-0.91091	6.391497	3.20E-06	0.000301	4.690842
EFCAB3	3.100985	-1.74996	6.389358	3.21E-06	0.000301	4.686446
CUTC	-1.56821	0.687886	-6.38671	3.23E-06	0.000301	4.680995
GYPB	3.801382	-1.59605	6.378871	3.29E-06	0.000305	4.66489
ANKS3	2.713949	-1.57786	6.365926	3.38E-06	0.000312	4.638259
RBM17	-0.93461	0.647189	-6.36236	3.40E-06	0.000313	4.630928
PABPC1L	-0.85691	0.791106	-6.35891	3.43E-06	0.000313	4.623824
MUS81	-1.18912	0.706739	-6.35746	3.44E-06	0.000313	4.620826
ARL11	-2.18206	1.448255	-6.35588	3.45E-06	0.000313	4.61758
MOB3C	-1.5368	1.021803	-6.35354	3.47E-06	0.000313	4.612754
HMGB1	-1.61833	0.925664	-6.34428	3.54E-06	0.000318	4.593667
SOX13	2.720504	-1.25582	6.442405	3.68E-06	0.000321	4.582175
YIPF2	0.813989	-0.3293	6.338564	3.58E-06	0.000318	4.581892
C17orf76	1.370094	-0.6343	6.337588	3.59E-06	0.000318	4.579879
IL2RG	-1.72719	1.49931	-6.33733	3.59E-06	0.000318	4.579358
LHB	2.123043	-1.07147	6.329862	3.65E-06	0.000321	4.563944
ZNF143	-1.2116	0.764891	-6.3252	3.69E-06	0.000321	4.554333
FAM83A	1.598106	-0.96606	6.546293	3.90E-06	0.000329	4.552069
ANXA3	-3.86776	2.188451	-6.32297	3.70E-06	0.000321	4.549723
STC1	2.755284	-1.63217	6.322432	3.71E-06	0.000321	4.548612
PEX19	-1.14269	0.631517	-6.31532	3.76E-06	0.000323	4.533936
ZADH2	-0.89398	0.378448	-6.31513	3.77E-06	0.000323	4.533526
RHBG	1.062413	-0.63996	6.314407	3.77E-06	0.000323	4.532042
OPN1LW	3.173497	-1.80601	6.307912	3.82E-06	0.000326	4.518626
STX4	-1.11014	0.753174	-6.3031	3.86E-06	0.000328	4.508675
KRIT1	-1.27641	0.833627	-6.29621	3.92E-06	0.00033	4.494439
CYB5B	-1.03018	0.885834	-6.29137	3.96E-06	0.00033	4.484428

NECAP1	2.218738	-1.14168	6.290839	3.97E-06	0.00033	4.48333
GALNT14	-3.08138	2.294589	-6.28977	3.98E-06	0.00033	4.481115
FLJ37453	-0.78459	0.469462	-6.28711	4.00E-06	0.000331	4.475626
PDGFB	1.76046	-0.76101	6.283818	4.03E-06	0.000332	4.468805
CRCT1	2.333949	-1.39671	6.277012	4.09E-06	0.000335	4.454716
CHCHD7	-2.35019	1.280632	-6.26733	4.17E-06	0.000341	4.434657
MYO15B	-1.07983	0.867684	-6.26527	4.19E-06	0.000341	4.430404
MUSTN1	-1.96768	0.997706	-6.2611	4.23E-06	0.000342	4.421766
TIFA	-2.41888	0.935194	-6.24394	4.39E-06	0.000352	4.386179
PIM3	-1.2702	0.710514	-6.24215	4.41E-06	0.000352	4.382466
MSL1	-1.85594	0.926794	-6.2415	4.41E-06	0.000352	4.381099
CHKB	-1.20727	0.719407	-6.24109	4.42E-06	0.000352	4.380248
BCAS4	-1.00219	0.791725	-6.23532	4.47E-06	0.000353	4.368287
C1S	2.996308	-1.75226	6.234665	4.48E-06	0.000353	4.366921
CLP1	-0.88882	0.828971	-6.23392	4.48E-06	0.000353	4.365381
CFLAR	-1.84939	1.263067	-6.22983	4.52E-06	0.000355	4.356877
ACVR1B	2.050647	-0.94597	6.218726	4.63E-06	0.000361	4.333813
TTC35	-2.33241	1.013597	-6.31484	4.79E-06	0.000361	4.328182
IGFBP7	-1.95988	1.139832	-6.21243	4.70E-06	0.000361	4.320716
NDUFAF1	-1.52564	0.891882	-6.21145	4.71E-06	0.000361	4.31869
AGPAT2	-1.70489	1.471594	-6.21031	4.72E-06	0.000361	4.316326
MTFMT	-1.20582	0.813675	-6.20973	4.72E-06	0.000361	4.315107
OR2A25	2.706141	-1.60604	6.209492	4.73E-06	0.000361	4.314615
SDHC	-1.09352	0.471887	-6.2048	4.78E-06	0.000361	4.304865
BLVRB	3.016396	-1.60254	6.20168	4.81E-06	0.000361	4.298368
NXF3	1.457064	-0.78463	6.199657	4.83E-06	0.000361	4.294157
DDB1	1.214263	-0.84515	6.199068	4.83E-06	0.000361	4.292931
GPR84	-3.26898	2.136504	-6.19721	4.85E-06	0.000361	4.289062
LILRA5	-3.02321	1.710722	-6.1963	4.86E-06	0.000361	4.287167
RGS19	-1.23873	0.946609	-6.19602	4.87E-06	0.000361	4.286582
NUDT5	-1.23797	0.95288	-6.1931	4.90E-06	0.000362	4.280514
DCTN2	-1.08952	0.60169	-6.19011	4.93E-06	0.000362	4.274285
OR6Y1	1.833197	-1.0448	6.189639	4.93E-06	0.000362	4.273306
TBCC	-0.90675	0.59859	-6.18733	4.96E-06	0.000363	4.268502
SUMO3	-1.19501	0.906186	-6.17775	5.06E-06	0.000366	4.248545
CEACAM1	-2.78195	1.980718	-6.17771	5.06E-06	0.000366	4.248454
LINC00341	1.489535	-0.87495	6.175619	5.09E-06	0.000366	4.2441
BEST1	-2.36956	1.741394	-6.17363	5.11E-06	0.000366	4.239945
SEC61A2	-1.93142	0.948362	-6.17345	5.11E-06	0.000366	4.239582
PHF23	-1.34058	1.117665	-6.17176	5.13E-06	0.000366	4.236065
DNTTIP2	-1.3038	0.63211	-6.16785	5.17E-06	0.000366	4.227908
CYBA	-2.15329	1.137184	-6.16689	5.18E-06	0.000366	4.225912
PRKAG1	-1.37584	0.567415	-6.16654	5.19E-06	0.000366	4.225178
WDR48	-0.99517	0.477536	-6.16623	5.19E-06	0.000366	4.224536
FOXD2	1.534206	-1.02055	6.162591	5.23E-06	0.000366	4.216937
CHN1	1.429356	-1.04602	6.162269	5.24E-06	0.000366	4.216266
DUX4L4	1.712277	-1.00001	6.15912	5.27E-06	0.000368	4.209696

TAS1R1	2.30952	-1.04026	6.156456	5.30E-06	0.000368	4.204138
SNX7	2.385315	-1.48157	6.153153	5.34E-06	0.00037	4.197244
ACP6	-1.36853	0.717015	-6.14884	5.39E-06	0.000372	4.188249
SYN3	1.689976	-1.09747	6.144642	5.44E-06	0.000372	4.179477
ROGDI	-1.94798	1.253092	-6.14322	5.46E-06	0.000372	4.176518
LOC100501	-1.52552	0.838106	-6.14225	5.47E-06	0.000372	4.174485
MYOD1	1.307581	-0.71886	6.14224	5.47E-06	0.000372	4.174462
VPS25	-1.03519	0.408536	-6.13095	5.60E-06	0.00038	4.150866
PNMA5	1.8758	-0.91261	6.128341	5.63E-06	0.000381	4.145421
TCFL5	-1.25548	0.591333	-6.12326	5.70E-06	0.000381	4.134805
MTMR1	-1.06388	0.499695	-6.12281	5.70E-06	0.000381	4.133849
LOC441451	2.183718	-1.17287	6.121181	5.72E-06	0.000381	4.130451
ZNF394	-0.68875	0.410308	-6.12116	5.72E-06	0.000381	4.130411
SLC35C1	0.97856	-0.41196	6.120313	5.73E-06	0.000381	4.128635
PTGDR	1.555283	-0.62263	6.114407	5.81E-06	0.000384	4.116281
OTP	2.868128	-1.59568	6.113747	5.82E-06	0.000384	4.114901
IRAK3	-3.45676	1.916174	-6.11165	5.84E-06	0.000384	4.110513
PRPF18	-1.5504	0.725993	-6.11073	5.85E-06	0.000384	4.108594
SNX20	-2.0153	1.285208	-6.10428	5.94E-06	0.000388	4.095094
IQGAP3	1.36766	-0.85774	6.102038	5.97E-06	0.000388	4.090393
TAZ	-0.77389	0.655544	-6.09996	5.99E-06	0.000389	4.086041
LINC00239	2.210706	-1.33743	6.097983	6.02E-06	0.000389	4.0819
HMGB4	2.950489	-1.68905	6.091186	6.11E-06	0.000391	4.067663
PPM1M	-1.65255	0.924079	-6.09113	6.11E-06	0.000391	4.067536
ING1	-0.83555	0.567232	-6.08993	6.13E-06	0.000391	4.065023
PSME3	-1.01774	0.80085	-6.08849	6.14E-06	0.000391	4.06202
RPL3L	2.616075	-1.27779	6.087746	6.15E-06	0.000391	4.060453
TBC1D2B	-1.91851	1.073427	-6.08709	6.16E-06	0.000391	4.059071
ACER3	-2.88912	1.309303	-6.08533	6.19E-06	0.000391	4.0554
MTMR14	-1.59923	1.303325	-6.08299	6.22E-06	0.000391	4.050492
CROCCP2	-1.29655	0.788683	-6.08057	6.25E-06	0.000391	4.04542
CLK2	-1.37752	1.035112	-6.08031	6.25E-06	0.000391	4.044872
SORT1	-2.96929	1.347151	-6.0789	6.27E-06	0.000391	4.041914
GRIN2D	2.117491	-1.12175	6.078132	6.28E-06	0.000391	4.0403
POMP	-1.3318	0.823649	-6.07523	6.32E-06	0.000391	4.03422
YTHDC2	-1.4421	0.833366	-6.07499	6.33E-06	0.000391	4.033704
MITD1	-1.40085	0.567167	-6.07037	6.39E-06	0.000394	4.024016
DKFZp434l	1.027168	-1.1007	6.067703	6.43E-06	0.000395	4.018422
TSPAN31	-1.86434	1.182164	-6.06514	6.46E-06	0.000396	4.013054
PSMC1	-0.94494	0.654415	-6.06297	6.50E-06	0.000396	4.008481
TMCO6	-0.9829	0.470931	-6.058	6.57E-06	0.0004	3.998049
RABGEF1	-2.1692	1.383145	-6.05422	6.62E-06	0.000402	3.990128
LOC100501	1.954584	-1.23955	6.052865	6.64E-06	0.000402	3.987274
DDX53	1.653402	-0.5394	6.248332	7.04E-06	0.000416	3.984529
CASP4	-1.17442	1.114345	-6.04521	6.75E-06	0.000406	3.971191
ANKRD65	2.86857	-1.30666	6.044797	6.76E-06	0.000406	3.970325
XK	2.041977	-1.25002	6.041535	6.81E-06	0.000408	3.963469

MPV17	-0.98476	0.981985	-6.04008	6.83E-06	0.000408	3.960412
CAPN3	-1.58684	0.941224	-6.03532	6.90E-06	0.000411	3.950414
MED8	-1.5895	1.193429	-6.02831	7.00E-06	0.000415	3.935672
SEC22C	-1.07275	0.523389	-6.0283	7.01E-06	0.000415	3.935638
EBPL	-1.043	0.390221	-6.02223	7.10E-06	0.000416	3.922868
WWP2	-1.45616	0.853888	-6.02202	7.10E-06	0.000416	3.922433
ELL3	-1.73511	1.132324	-6.0216	7.11E-06	0.000416	3.921545
FCGR1B	-2.87762	1.989663	-6.01881	7.15E-06	0.000417	3.915668
NOV	1.991838	-0.74225	6.012312	7.25E-06	0.000422	3.901995
DCT	3.299497	-1.71325	6.010219	7.29E-06	0.000422	3.897589
PLAC4	1.823181	-0.88376	6.009819	7.29E-06	0.000422	3.896745
LOC100651	1.395066	-1.14383	6.007777	7.33E-06	0.000422	3.892446
SNCA	2.947466	-1.79527	6.002093	7.42E-06	0.000426	3.880472
ATAD3C	1.544499	-0.80952	6.000755	7.44E-06	0.000426	3.877653
SMPD2	-1.33245	0.783233	-5.99871	7.47E-06	0.000426	3.873353
MB21D2	1.814956	-1.1897	5.996668	7.51E-06	0.000426	3.869041
TRIOBP	-2.37304	2.184848	-5.99421	7.55E-06	0.000426	3.863852
KIAA0895L	-1.57866	1.362779	-5.99394	7.55E-06	0.000426	3.863292
USP6NL	-1.35979	0.935803	-5.99379	7.55E-06	0.000426	3.862967
NSMCE1	-1.27413	0.914154	-5.99133	7.59E-06	0.000426	3.857781
LCE1A	1.562584	-0.76362	5.991181	7.60E-06	0.000426	3.857474
EPB41	2.339116	-1.0719	5.989013	7.63E-06	0.000426	3.852904
SNORA78	2.307577	-1.13694	5.988662	7.64E-06	0.000426	3.852165
GPR150	1.719091	-0.8741	5.986663	7.67E-06	0.000427	3.847948
BIN2	-1.33585	1.072423	-5.9819	7.75E-06	0.000429	3.837896
C1orf162	-1.73085	1.003299	-5.98185	7.75E-06	0.000429	3.837794
ZNF7	-0.99548	0.628817	-5.97639	7.85E-06	0.000433	3.826271
TAS2R4	1.513968	-1.10168	5.969302	7.97E-06	0.000439	3.811318
SNX2	-1.39524	0.873938	-5.96739	8.00E-06	0.000439	3.807278
TM6SF2	2.217823	-1.13785	5.965009	8.04E-06	0.00044	3.802255
BECN1	-0.79384	0.556907	-5.9582	8.17E-06	0.000442	3.787883
PNN	-1.33329	1.111452	-5.95761	8.18E-06	0.000442	3.786623
ARRDC1	-1.49203	1.15327	-5.9557	8.21E-06	0.000442	3.782594
FCHSD1	1.545255	-0.88806	5.954461	8.23E-06	0.000442	3.779974
FATE1	1.192653	-0.35027	5.954037	8.24E-06	0.000442	3.779079
ACTR10	-1.44284	0.611935	-5.95402	8.24E-06	0.000442	3.77905
ANKRD18A	2.233204	-1.20314	5.953897	8.24E-06	0.000442	3.778782
ATF6B	-1.005	0.612525	-5.95029	8.31E-06	0.000445	3.77116
TMEM9B	-1.20722	0.436063	-5.94888	8.33E-06	0.000445	3.768173
LOC643661	1.215965	-0.54809	5.946451	8.38E-06	0.000446	3.763045
LAMB2	1.877547	-0.74146	5.944357	8.42E-06	0.000447	3.758619
CLDN7	1.397562	-0.97689	5.93272	8.63E-06	0.000456	3.734007
AP1G2	-0.87302	0.737844	-5.93228	8.64E-06	0.000456	3.733071
GPR153	1.375252	-1.00339	5.930988	8.67E-06	0.000456	3.730343
ESRP2	1.761751	-0.79784	5.930153	8.68E-06	0.000456	3.728576
TM7SF3	-1.10482	0.54227	-5.92815	8.72E-06	0.000456	3.724346
NPR1	0.918256	-0.68747	5.927371	8.74E-06	0.000456	3.72269

SPATA22	2.414857	-1.43981	5.923388	8.81E-06	0.000458	3.714258
TIRAP	-0.78693	0.502678	-5.92331	8.81E-06	0.000458	3.714087
ZNF282	-2.17518	1.616556	-5.92018	8.87E-06	0.000459	3.707478
FCER1G	-1.83157	1.254895	-5.92017	8.88E-06	0.000459	3.70745
TSPAN14	-1.86268	1.339552	-5.91672	8.94E-06	0.00046	3.700149
RHOU	-1.48391	0.469668	-5.91606	8.96E-06	0.00046	3.698734
LRTM1	1.733459	-1.19652	5.913064	9.01E-06	0.00046	3.692398
C9	3.214078	-1.73719	5.912831	9.02E-06	0.00046	3.691905
KCNT1	1.13679	-0.66498	5.912739	9.02E-06	0.00046	3.691709
PLXNA3	1.491658	-1.03358	5.905737	9.16E-06	0.000466	3.676875
TIPRL	-1.04311	0.49888	-5.89764	9.33E-06	0.000473	3.659719
GJD3	1.670116	-0.91379	5.896138	9.36E-06	0.000474	3.656528
TRAPPC6B	-1.39244	0.692331	-5.89473	9.39E-06	0.000474	3.65355
PARP6	-0.78112	0.491368	-5.89263	9.43E-06	0.000474	3.649093
PARVG	-0.9608	0.533334	-5.89128	9.46E-06	0.000474	3.646228
TRNAU1AF	-1.09293	0.510433	-5.89037	9.48E-06	0.000474	3.644296
WDR93	1.936703	-1.10591	5.888659	9.51E-06	0.000474	3.640667
LRRC16B	1.151813	-0.32931	5.888422	9.52E-06	0.000474	3.640164
ATAT1	-1.02287	0.810954	-5.886	9.57E-06	0.000476	3.635028
ZNF134	-1.39678	1.187245	-5.88387	9.61E-06	0.000477	3.630502
IGF2-AS	1.938083	-1.05542	5.880575	9.68E-06	0.000479	3.623516
PRR5	1.934684	-0.88998	5.879573	9.70E-06	0.000479	3.621388
MYBL1	0.950571	-0.45904	5.877519	9.75E-06	0.000479	3.617029
CCDC89	1.209586	-0.44453	5.958719	1.01E-05	0.000486	3.616326
SETD8	-1.86854	1.225524	-5.87604	9.78E-06	0.000479	3.613888
CTR9	-0.96213	0.65895	-5.87554	9.79E-06	0.000479	3.612824
C19orf77	2.846184	-0.83301	5.874803	9.81E-06	0.000479	3.611263
RASAL1	1.437693	-1.02828	5.873989	9.82E-06	0.000479	3.609536
UBB	2.546752	-1.04755	5.867417	9.97E-06	0.000482	3.595581
FOXRED1	-0.94663	0.733837	-5.86716	9.97E-06	0.000482	3.595038
PRAP1	1.956645	-1.0017	5.866712	9.98E-06	0.000482	3.594083
PRSS30P	1.862865	-0.62069	5.866672	9.98E-06	0.000482	3.593999
DLD	-1.19741	0.448661	-5.8571	1.02E-05	0.000487	3.573663
ATF2	-0.9229	0.662822	-5.85697	1.02E-05	0.000487	3.573394
STRADA	-0.93095	0.712001	-5.8561	1.02E-05	0.000487	3.571538
TRPM5	2.535577	-1.21287	5.855752	1.02E-05	0.000487	3.570798
RELT	-1.06911	0.595735	-5.8537	1.03E-05	0.000489	3.566442
FGF17	1.123862	-0.55608	5.936896	1.06E-05	0.000493	3.565225
ADORA1	2.511818	-1.45219	5.851295	1.03E-05	0.000489	3.561325
HBE1	2.394857	-0.97177	5.851285	1.03E-05	0.000489	3.561304
MED22	-1.12983	0.920683	-5.84817	1.04E-05	0.00049	3.554675
RAB5B	-1.02321	1.001884	-5.84786	1.04E-05	0.00049	3.554016
CLPTM1	-1.58599	1.338985	-5.8434	1.05E-05	0.000493	3.544535
TTC8	-1.81971	0.741722	-5.84206	1.05E-05	0.000493	3.541684
FBXO3	-1.86471	0.827065	-5.84162	1.05E-05	0.000493	3.540762
E2F4	-1.57979	1.24085	-5.83902	1.06E-05	0.000494	3.535214
KLRG1	1.774652	-0.94359	5.833027	1.08E-05	0.000498	3.522469

SEC14L4	2.271084	-1.25919	5.83279	1.08E-05	0.000498	3.521966
C1orf229	1.646792	-0.89963	5.831605	1.08E-05	0.000498	3.519444
NOVA2	2.838954	-1.22053	5.828853	1.09E-05	0.0005	3.513586
RASGRP4	-1.98869	1.505799	-5.82405	1.10E-05	0.000504	3.503353
TMEM110	-1.97171	1.213037	-5.82076	1.10E-05	0.000507	3.496348
UPK3B	1.542059	-0.75798	5.815629	1.12E-05	0.000511	3.485427
SLC39A9	-1.45272	0.668367	-5.81458	1.12E-05	0.000511	3.483185
KIT	1.498189	-0.8594	5.808725	1.13E-05	0.000515	3.470717
TXNDC12	-1.46495	1.083104	-5.80854	1.13E-05	0.000515	3.470318
FLJ30901	2.254035	-0.98164	5.808121	1.14E-05	0.000515	3.46943
FOX51	1.927403	-0.83675	5.807505	1.14E-05	0.000515	3.468116
FCAR	-2.9707	1.966001	-5.80125	1.15E-05	0.000521	3.454779
OIP5-AS1	0.863564	-0.94035	5.798151	1.16E-05	0.000523	3.448176
NDUFS2	-0.96901	0.80189	-5.79581	1.17E-05	0.000524	3.443177
S100PBP	-1.36621	1.181674	-5.79555	1.17E-05	0.000524	3.442631
ZNF579	1.931269	-1.01014	5.79312	1.17E-05	0.000525	3.437447
PPP1R12A	-1.79472	1.157279	-5.79057	1.18E-05	0.000527	3.431999
HES7	2.609795	-1.27252	5.789174	1.18E-05	0.000527	3.429031
C11orf82	-2.45078	1.280467	-5.78801	1.19E-05	0.000528	3.426538
OPA1	-1.02868	0.357564	-5.78627	1.19E-05	0.000528	3.42283
DCAF12	2.897079	-1.59702	5.785284	1.19E-05	0.000528	3.420731
PSMD12	-1.13718	0.436899	-5.78412	1.20E-05	0.000528	3.418244
SDHB	-0.85065	0.34327	-5.78325	1.20E-05	0.000528	3.416379
C9orf66	-2.08806	1.337902	-5.77671	1.22E-05	0.000535	3.402423
KRT81	1.392319	-0.76562	5.774334	1.22E-05	0.000536	3.397358
RP1	0.780894	-0.19048	5.854145	1.26E-05	0.000539	3.395605
GADD45A	-3.02993	1.538734	-5.77184	1.23E-05	0.000538	3.392034
ENTPD4	-1.05241	0.552885	-5.7687	1.24E-05	0.000539	3.385326
OGG1	-0.97643	0.894762	-5.76805	1.24E-05	0.000539	3.38394
SARM1	0.986662	-0.32445	5.767899	1.24E-05	0.000539	3.383616
SLC6A13	0.885365	-0.43643	5.767161	1.24E-05	0.000539	3.382039
POLM	-0.96173	0.647197	-5.766	1.25E-05	0.000539	3.379553
COL27A1	1.390786	-0.71595	5.765479	1.25E-05	0.000539	3.378446
DTX2P1-UF	-0.81053	0.534331	-5.76411	1.25E-05	0.000539	3.375529
ADRA1D	1.629769	-0.9444	5.762514	1.26E-05	0.000539	3.372112
HEXDC	-1.15365	0.810822	-5.76099	1.26E-05	0.000539	3.368858
DIP2B	-1.78551	1.252113	-5.75932	1.27E-05	0.00054	3.365289
NEO1	1.376015	-0.94082	5.838886	1.30E-05	0.00054	3.364233
GTF2E2	-1.17346	0.670661	-5.75826	1.27E-05	0.00054	3.363022
C4orf49	2.737244	-1.55409	5.929306	1.34E-05	0.00055	3.362695
DNAH1	-0.84653	0.717037	-5.75695	1.27E-05	0.00054	3.36023
VTI1A	-1.48132	1.017721	-5.75608	1.27E-05	0.00054	3.358359
WDR73	-0.80979	0.459795	-5.75535	1.28E-05	0.00054	3.356805
EVPL	1.643463	-0.83872	5.754052	1.28E-05	0.00054	3.354027
FIG4	-1.96399	0.863905	-5.75279	1.28E-05	0.00054	3.351321
LUZP1	-1.26418	0.460831	-5.75213	1.29E-05	0.00054	3.349915
C16orf87	-0.84411	0.257505	-5.75157	1.29E-05	0.00054	3.348721

CTAGE15P	-1.13369	0.381909	-5.74954	1.29E-05	0.00054	3.344392
ZDHC12	-1.29371	0.971606	-5.74839	1.30E-05	0.00054	3.341923
CEACAM21	-1.6899	1.167726	-5.74775	1.30E-05	0.00054	3.340555
NAT10	2.293908	-0.92869	5.747037	1.30E-05	0.00054	3.339028
DNAJB2	1.910756	-0.81827	5.74662	1.30E-05	0.00054	3.338138
MAPK6	-1.41511	0.245696	-5.74361	1.31E-05	0.000542	3.331705
MACROD1	0.942541	-0.66845	5.741619	1.32E-05	0.000543	3.327441
AGPAT6	-1.7212	1.039859	-5.73651	1.33E-05	0.000548	3.316521
KLHL6	-1.1427	0.772255	-5.73298	1.34E-05	0.00055	3.308957
CAHM	-1.21991	0.730845	-5.73282	1.34E-05	0.00055	3.30861
SENP3	-0.69113	0.507548	-5.73112	1.35E-05	0.00055	3.304975
PORCN	2.220416	-1.06898	5.729688	1.35E-05	0.00055	3.301911
HK3	-2.98739	1.747799	-5.72807	1.36E-05	0.00055	3.298456
LOC100133	-0.9366	0.330466	-5.72791	1.36E-05	0.00055	3.29811
TCTA	-1.13416	0.663963	-5.72449	1.37E-05	0.000553	3.290783
FANCL	1.367181	-0.9111	5.723667	1.37E-05	0.000553	3.289021
CASC4	-1.41639	0.858104	-5.7227	1.37E-05	0.000553	3.286956
HCRTR1	1.764113	-1.02423	5.721713	1.38E-05	0.000553	3.284837
HBD	4.394049	-1.96101	5.79214	1.44E-05	0.000567	3.276272
DDX59	-1.68971	0.775754	-5.71756	1.39E-05	0.000557	3.27594
ENTPD7	-2.96292	1.251877	-5.71684	1.39E-05	0.000557	3.274401
FRAS1	1.996331	-1.2428	5.71632	1.39E-05	0.000557	3.273286
BCAP29	-1.53491	0.742394	-5.71432	1.40E-05	0.000558	3.269002
LOC100527	-0.914	0.789628	-5.71324	1.40E-05	0.000558	3.266687
MMGT1	0.769485	-0.83251	5.709869	1.41E-05	0.000561	3.259466
ADAM9	-2.25126	1.185122	-5.78706	1.45E-05	0.000568	3.257438
NEDD4	-2.31045	0.994926	-5.70541	1.43E-05	0.000565	3.249917
SMARCD1	-1.14239	0.816414	-5.70502	1.43E-05	0.000565	3.249076
MGC42157	1.275147	-0.83607	5.703433	1.43E-05	0.000566	3.245672
ERICH1	-1.36465	0.979642	-5.69954	1.44E-05	0.000568	3.237324
ZMAT2	-1.40956	1.121864	-5.69848	1.45E-05	0.000568	3.235058
MBTPS1	-0.82907	0.709739	-5.69688	1.45E-05	0.000568	3.231624
PPM1N	-1.73336	0.567516	-5.6954	1.46E-05	0.000568	3.228453
DBNDD2	0.797641	-0.27702	5.693697	1.46E-05	0.000568	3.224796
HAND1	1.182384	-0.72134	5.692652	1.47E-05	0.000568	3.222555
TAF7	-1.6756	0.600704	-5.69234	1.47E-05	0.000568	3.221875
KNDC1	1.929031	-1.26863	5.691951	1.47E-05	0.000568	3.221051
DHH	1.564445	-0.98919	5.690875	1.47E-05	0.000568	3.218744
FAM117A	1.187756	-0.83158	5.690242	1.47E-05	0.000568	3.217385
RHBDL1	1.301382	-0.68943	5.689876	1.48E-05	0.000568	3.216601
STAR	-1.0679	0.531897	-5.68887	1.48E-05	0.000568	3.214442
HNRPDL	-1.38417	0.882238	-5.68462	1.49E-05	0.000573	3.205329
SCO1	-0.99709	0.465817	-5.6822	1.50E-05	0.000575	3.200131
DPP3	-1.06803	0.542606	-5.68063	1.51E-05	0.000575	3.196765
KRT85	1.596188	-0.82411	5.67988	1.51E-05	0.000575	3.195151
FAM206A	-1.36187	0.637367	-5.67459	1.53E-05	0.000581	3.183796
CYP2B6	2.074828	-1.18719	5.672499	1.53E-05	0.000583	3.179306

PRODH2	1.304095	-0.84218	5.670184	1.54E-05	0.000584	3.174335
COX6B2	1.983046	-1.2662	5.668057	1.55E-05	0.000586	3.169768
EML2	-1.27282	0.991543	-5.66748	1.55E-05	0.000586	3.168536
PDZK1IP1	3.19503	-1.32117	5.665456	1.56E-05	0.000586	3.16418
RSRC2	-0.94478	0.42119	-5.66533	1.56E-05	0.000586	3.163912
RHEB	-0.95285	0.707146	-5.66476	1.56E-05	0.000586	3.162689
TMEM80	-0.95219	0.516385	-5.66305	1.57E-05	0.000587	3.159019
MFSD11	-1.17985	0.324017	-5.66215	1.57E-05	0.000587	3.15708
FAM190B	1.041866	-1.28147	5.661493	1.57E-05	0.000587	3.155667
BABAM1	1.153693	-0.77012	5.659318	1.58E-05	0.000587	3.150994
RUSC1	0.90873	-0.47006	5.658479	1.58E-05	0.000587	3.149191
LRRC70	-2.54668	1.135341	-5.73455	1.63E-05	0.000595	3.148903
ADAT1	-0.99847	0.84542	-5.65762	1.59E-05	0.000587	3.147336
USP48	-0.67939	0.421018	-5.65757	1.59E-05	0.000587	3.147246
LINC00324	-0.77145	0.47438	-5.65714	1.59E-05	0.000587	3.146308
MAGEA8	2.700117	-1.46434	5.724782	1.66E-05	0.000601	3.137746
ITSN2	-1.48532	1.023583	-5.64776	1.62E-05	0.000595	3.126141
PREB	-0.80874	0.647331	-5.64579	1.63E-05	0.000595	3.121906
SCARNA17	1.324338	-1.01849	5.645227	1.63E-05	0.000595	3.120704
RAI2	1.261902	-0.42605	5.645117	1.63E-05	0.000595	3.120469
ALKBH6	-0.87669	0.549139	-5.64498	1.63E-05	0.000595	3.120167
PCSK1N	1.7648	-1.06657	5.644712	1.63E-05	0.000595	3.119597
ZNF488	2.29513	-1.11591	5.641616	1.64E-05	0.000598	3.112938
ANKRD33	2.818604	-1.18478	5.640965	1.65E-05	0.000598	3.111538
SFRP2	2.940136	-1.28727	5.640006	1.65E-05	0.000598	3.109477
RNFT1	-1.76429	0.857553	-5.63832	1.66E-05	0.000599	3.105855
NDST2	-1.28425	0.506215	-5.6355	1.67E-05	0.000601	3.099777
LOC100507	2.918938	-1.15466	5.628697	1.69E-05	0.000609	3.085144
FLJ14186	-2.64378	1.338137	-5.62567	1.70E-05	0.000612	3.078638
SLC34A3	2.848028	-1.25953	5.624247	1.71E-05	0.000613	3.075566
CD274	-2.68558	1.561696	-5.62203	1.72E-05	0.000614	3.070801
KRTAP5-8	1.292123	-0.95992	5.621684	1.72E-05	0.000614	3.070049
LY6G6C	1.39181	-0.38625	5.617878	1.73E-05	0.000618	3.061853
EGFEM1P	1.709276	-0.96399	5.773311	1.85E-05	0.00064	3.060881
TCEAL1	1.341275	-0.81079	5.615267	1.74E-05	0.000621	3.05623
WBSCR17	1.957825	-1.29085	5.612396	1.75E-05	0.000623	3.050046
UTS2R	1.553183	-0.91566	5.611816	1.76E-05	0.000623	3.048797
NPHP1	2.035111	-1.26302	5.611096	1.76E-05	0.000623	3.047246
FOXC2	2.7926	-1.20314	5.609001	1.77E-05	0.000625	3.042733
MTHFD2	-2.14907	0.686067	-5.60833	1.77E-05	0.000625	3.041278
SELE	1.751562	-0.57663	5.677889	1.84E-05	0.000639	3.040966
HAGHL	1.256672	-0.47379	5.606924	1.78E-05	0.000626	3.038256
MKNK1	-2.43556	1.281411	-5.60518	1.78E-05	0.000627	3.034497
TSPAN5	2.883055	-1.46784	5.604049	1.79E-05	0.000627	3.032063
TPD52L2	-1.80179	1.552621	-5.60117	1.80E-05	0.000629	3.025859
WDFY2	-1.73903	1.248666	-5.60109	1.80E-05	0.000629	3.025686
TTY12	2.462638	-1.36471	5.755147	1.92E-05	0.000646	3.024853

C2orf3	2.573403	-0.99886	5.596784	1.82E-05	0.000634	3.016403
LOC100651	1.178239	-1.18577	5.594967	1.82E-05	0.000636	3.012487
PSMD1	-0.96959	0.60071	-5.59232	1.83E-05	0.000638	3.00677
LMAN2	-0.81506	0.519911	-5.58974	1.84E-05	0.00064	3.001225
SIRT5	-1.44663	0.750358	-5.58739	1.85E-05	0.00064	2.996138
NAT14	1.858246	-0.91346	5.586909	1.86E-05	0.00064	2.99511
VPS33A	-0.93413	0.718076	-5.58263	1.87E-05	0.000645	2.985872
MEX3D	1.848458	-0.94225	5.580967	1.88E-05	0.000645	2.98229
RAB20	-2.61401	1.512101	-5.5807	1.88E-05	0.000645	2.981716
LYZL6	2.336737	-1.54114	5.737264	2.00E-05	0.000658	2.981589
HOXD4	1.162417	-0.94383	5.580109	1.88E-05	0.000645	2.98044
PRKAA1	-1.16877	0.502758	-5.5798	1.89E-05	0.000645	2.97977
CD53	-1.32808	0.772047	-5.57853	1.89E-05	0.000645	2.977023
NT5C2	-2.00189	1.416216	-5.57851	1.89E-05	0.000645	2.976992
ZFP36	-1.13691	0.860597	-5.57687	1.90E-05	0.000646	2.973455
UBLCP1	-1.8183	1.19812	-5.57364	1.91E-05	0.000646	2.966478
GDNF	-1.71007	0.377658	-5.5735	1.91E-05	0.000646	2.966183
SND1	1.006749	-0.64976	5.571334	1.92E-05	0.000646	2.961501
LINC00311	2.399494	-1.4518	5.571034	1.92E-05	0.000646	2.960854
FAM89A	-2.82249	0.971342	-5.57102	1.92E-05	0.000646	2.96082
SERPINE1	1.226007	-0.69705	5.570822	1.92E-05	0.000646	2.960396
AGGF1	-1.57693	1.032985	-5.57048	1.93E-05	0.000646	2.959653
C5orf46	2.02667	-0.926	5.568006	1.94E-05	0.000648	2.954317
CTAGE9	-1.41043	0.911217	-5.56687	1.94E-05	0.000648	2.951861
TIMP4	-1.95618	0.373018	-5.56668	1.94E-05	0.000648	2.951453
MYL12A	-1.03659	0.586682	-5.56304	1.96E-05	0.000652	2.9436
AHSP	4.125032	-1.82029	5.562115	1.96E-05	0.000652	2.941595
C15orf57	-1.00655	0.559459	-5.56105	1.97E-05	0.000652	2.939291
ACAA1	-1.54936	0.995035	-5.56015	1.97E-05	0.000652	2.937343
TMEM70	-1.50476	0.388998	-5.56013	1.97E-05	0.000652	2.937305
KRT31	2.252401	-0.99524	5.558971	1.98E-05	0.000653	2.934806
HP	-2.23603	1.823049	-5.55259	2.00E-05	0.000658	2.921021
SS18L1	-1.0791	0.764093	-5.5515	2.01E-05	0.000658	2.918655
CCNL1	-1.74256	0.972833	-5.55079	2.01E-05	0.000658	2.917131
KRTAP4-11	1.556762	-0.7817	5.550361	2.01E-05	0.000658	2.916204
C21orf54	1.135177	-0.25208	5.617268	2.10E-05	0.00067	2.915451
BDKRB2	1.216339	-0.87069	5.548262	2.02E-05	0.000658	2.911667
HPGD	-2.63463	1.448555	-5.5482	2.02E-05	0.000658	2.911543
GPR119	1.60437	-0.84461	5.548171	2.02E-05	0.000658	2.911471
LPO	2.427171	-1.48813	5.548056	2.02E-05	0.000658	2.911221
C12orf10	1.045242	-0.60136	5.547878	2.03E-05	0.000658	2.910838
AZIN1	-1.01789	0.297028	-5.54699	2.03E-05	0.000658	2.908913
DRD3	1.57905	-1.16257	5.541262	2.06E-05	0.000666	2.896536
TJP3	1.586274	-0.76801	5.54013	2.06E-05	0.000666	2.894089
FGF3	2.329121	-1.036	5.539037	2.07E-05	0.000666	2.891725
CREB3L1	1.838268	-0.9384	5.538778	2.07E-05	0.000666	2.891166
ZDHHC8	2.139574	-1.0207	5.537433	2.07E-05	0.000666	2.888257

ITIH4	-1.86261	0.79985	-5.53743	2.07E-05	0.000666	2.888252
PPM1F	-1.74831	1.259126	-5.53325	2.09E-05	0.00067	2.879216
P2RY13	-2.37343	1.605719	-5.533	2.09E-05	0.00067	2.878662
SLC24A6	-0.97032	0.748298	-5.53126	2.10E-05	0.000671	2.874911
C1orf64	2.540625	-1.2817	5.5296	2.11E-05	0.000672	2.871315
MLKL	-2.58299	1.658824	-5.52859	2.11E-05	0.000673	2.869128
ABHD16A	-1.11517	0.839161	-5.52708	2.12E-05	0.000674	2.86586
ATXN1L	1.942892	-0.91871	5.525912	2.13E-05	0.000675	2.863337
LRRC57	-1.13924	0.378261	-5.52042	2.15E-05	0.00068	2.851462
HHEX	-2.08569	0.996832	-5.5193	2.16E-05	0.00068	2.849031
OR10H2	2.006085	-0.92518	5.519108	2.16E-05	0.00068	2.848613
FLJ35390	1.693213	-0.80266	5.519077	2.16E-05	0.00068	2.848546
SULF2	3.146763	-0.96905	5.51883	2.16E-05	0.00068	2.848012
CCDC67	1.405869	-0.34814	5.517961	2.17E-05	0.00068	2.846131
LNX1	3.059455	-1.61115	5.514624	2.18E-05	0.000684	2.838907
LZIC	-1.27584	0.690683	-5.51133	2.20E-05	0.000688	2.831775
SMUG1	-1.03903	0.388501	-5.51017	2.20E-05	0.000688	2.829268
ACCN4	2.098678	-1.327	5.509802	2.21E-05	0.000688	2.828466
ZNF660	1.067542	-0.28243	5.508076	2.21E-05	0.00069	2.824729
COX6A2	1.197159	-0.82056	5.504531	2.23E-05	0.00069	2.817052
GHSR	1.383515	-0.72175	5.504032	2.23E-05	0.00069	2.81597
ADAMTS18	1.080626	-0.48324	5.654276	2.37E-05	0.000702	2.815385
KRT71	1.634974	-1.12753	5.503638	2.24E-05	0.00069	2.815117
HCN2	1.29316	-0.72277	5.503039	2.24E-05	0.00069	2.81382
C17orf72	1.853708	-0.9138	5.502754	2.24E-05	0.00069	2.813203
EXOC3	-0.98016	0.618438	-5.50208	2.24E-05	0.00069	2.811749
SNRNP35	-0.98471	0.68447	-5.50199	2.24E-05	0.00069	2.811551
TUBGCP3	-1.16046	0.738683	-5.50194	2.25E-05	0.00069	2.811434
CECR2	2.04498	-0.957	5.501697	2.25E-05	0.00069	2.810913
MAFK	-0.72532	0.546653	-5.49916	2.26E-05	0.000693	2.805415
SUOX	-1.41687	1.022413	-5.49818	2.26E-05	0.000693	2.803291
DUX4	3.1213	-1.4558	5.495971	2.28E-05	0.000696	2.798507
GPR31	1.640488	-0.83432	5.494775	2.28E-05	0.000696	2.795915
OTOP1	-1.49606	0.513288	-5.49312	2.29E-05	0.000697	2.792319
STAG3L2	1.887219	-0.86312	5.492867	2.29E-05	0.000697	2.79178
DTNBP1	-0.85455	0.407835	-5.48925	2.31E-05	0.000698	2.783934
OPRL1	1.10702	-0.39156	5.487962	2.32E-05	0.000698	2.781148
HTRA2	-0.79946	0.338246	-5.48789	2.32E-05	0.000698	2.780999
FLJ32742	2.329204	-0.96453	5.487865	2.32E-05	0.000698	2.780939
GPAA1	-1.16261	0.898405	-5.48746	2.32E-05	0.000698	2.780056
FOXK2	-0.93619	0.857195	-5.48742	2.32E-05	0.000698	2.779967
DPY19L3	-2.74924	1.449728	-5.48739	2.32E-05	0.000698	2.779917
VPS39	-1.33834	0.92829	-5.4854	2.33E-05	0.0007	2.775597
RFNG	-1.31272	1.071368	-5.48449	2.33E-05	0.000701	2.773625
SF3B4	-2.16494	1.728558	-5.48236	2.35E-05	0.000702	2.769006
FAM109B	1.35853	-0.68886	5.481668	2.35E-05	0.000702	2.767504
UNC13A	0.853165	-0.18247	5.551311	2.42E-05	0.000712	2.767477

PCDHB4	2.502525	-1.13486	5.480421	2.36E-05	0.000702	2.7648
CNTNAP1	2.224779	-1.00038	5.480261	2.36E-05	0.000702	2.764453
LRRFIP2	-1.59907	1.074852	-5.47972	2.36E-05	0.000702	2.763274
PIAS1	-1.33324	1.205585	-5.4794	2.36E-05	0.000702	2.76258
KRTAP11-1	1.701154	-0.76272	5.479108	2.36E-05	0.000702	2.761951
TTC9B	2.663159	-1.1453	5.477656	2.37E-05	0.000702	2.758803
C8orf4	2.675761	-1.56578	5.476807	2.38E-05	0.000702	2.756961
NDUFC2	-1.20751	0.557683	-5.47515	2.38E-05	0.000704	2.753377
IRF9	-1.09694	0.960942	-5.46701	2.43E-05	0.000714	2.735716
GPX3	-1.30312	0.502661	-5.46403	2.44E-05	0.000717	2.729247
TSN	-0.7534	0.37901	-5.46396	2.44E-05	0.000717	2.729091
CDX4	2.121639	-1.66718	5.463483	2.45E-05	0.000717	2.728054
ZKSCAN3	-0.95867	0.742149	-5.46196	2.46E-05	0.000718	2.724749
FBXO8	1.301815	-0.98321	5.460925	2.46E-05	0.000719	2.722501
SPATS1	2.090453	-1.31404	5.607747	2.61E-05	0.000737	2.721811
TFF1	2.271841	-0.96357	5.460133	2.47E-05	0.000719	2.720781
MXD3	-2.71357	1.828139	-5.45932	2.47E-05	0.000719	2.719025
RAB8B	-1.7655	0.90865	-5.4591	2.47E-05	0.000719	2.71854
DPH3	-1.31934	0.608351	-5.45785	2.48E-05	0.000719	2.715832
CYP4F30P	1.212632	-0.6564	5.457432	2.48E-05	0.000719	2.714919
TOX3	1.815024	-0.82212	5.456692	2.49E-05	0.000719	2.713313
DACH1	-3.41109	1.627958	-5.45587	2.49E-05	0.000719	2.711526
LOC399744	-2.07242	1.357723	-5.45486	2.50E-05	0.000719	2.709342
WDR69	1.419251	-0.36822	5.454811	2.50E-05	0.000719	2.709228
COPA	-1.45148	1.172779	-5.45414	2.50E-05	0.000719	2.707771
IL25	-1.77537	0.348105	-5.45181	2.51E-05	0.000722	2.702723
OPLAH	-2.47896	1.652285	-5.44713	2.54E-05	0.000728	2.692553
ELF5	1.793704	-0.88681	5.446827	2.54E-05	0.000728	2.691889
COPB2	-0.82358	0.539396	-5.44613	2.54E-05	0.000728	2.690371
TIAM1	1.758613	-0.82108	5.442906	2.56E-05	0.000732	2.683373
PRAMEF1	1.969584	-1.23851	5.441433	2.57E-05	0.000734	2.680172
PYY	1.522651	-0.82465	5.438889	2.59E-05	0.000737	2.674645
ASB8	-1.34667	1.120698	-5.43766	2.59E-05	0.000737	2.671981
OGT	-0.97169	0.679067	-5.43739	2.60E-05	0.000737	2.671381
FAM177A1	-1.45368	0.769139	-5.43682	2.60E-05	0.000737	2.670157
PRIMA1	2.867022	-1.19963	5.435054	2.61E-05	0.000737	2.666311
UGT2B10	1.559501	-0.91947	5.434955	2.61E-05	0.000737	2.666096
CORT	2.047914	-0.93557	5.434079	2.61E-05	0.000737	2.664192
BCL2	1.857626	-0.92562	5.433021	2.62E-05	0.000737	2.661892
DKFZP434C	-1.31903	0.553122	-5.43272	2.62E-05	0.000737	2.661247
KRT1	3.722917	-1.42035	5.493666	2.74E-05	0.000747	2.658156
MGC4473	2.584583	-1.10269	5.428513	2.65E-05	0.000743	2.652093
LRRC29	-0.90067	0.873826	-5.42612	2.66E-05	0.000746	2.646886
EVX1	2.56077	-1.11179	5.425326	2.67E-05	0.000746	2.645165
ADRB3	1.963401	-0.81435	5.424457	2.67E-05	0.000747	2.643275
TXNL4B	-1.34277	0.755163	-5.42355	2.68E-05	0.000747	2.641312
IMPAD1	-1.03001	0.40195	-5.42166	2.69E-05	0.000747	2.637191

WNT7A	1.215851	-0.65309	5.488796	2.77E-05	0.000747	2.636431
STK19	-0.66402	0.442176	-5.42124	2.69E-05	0.000747	2.63627
LOC100133	-1.07232	0.730274	-5.42099	2.69E-05	0.000747	2.63574
SCGB3A2	2.350951	-1.0324	5.419803	2.70E-05	0.000747	2.633154
LYPLA2	-1.02792	0.8929	-5.41866	2.71E-05	0.000747	2.63066
GPR142	2.27554	-1.02548	5.418172	2.71E-05	0.000747	2.629607
ACER1	2.043994	-0.94213	5.417907	2.71E-05	0.000747	2.62903
TNNI1	1.793884	-0.785	5.417149	2.72E-05	0.000747	2.627381
RGL4	-2.04251	1.177885	-5.41563	2.73E-05	0.000747	2.624088
FRG1	-1.33239	0.962324	-5.41497	2.73E-05	0.000747	2.622632
TAC4	1.699127	-0.98376	5.414933	2.73E-05	0.000747	2.622561
LOC100653	1.4595	-0.73792	5.41328	2.74E-05	0.000747	2.618965
LOC100133	3.03747	-1.21278	5.412183	2.75E-05	0.000747	2.616578
C15orf33	-1.34327	0.113008	-5.41004	2.76E-05	0.000747	2.611918
LOC100507	-2.06788	0.704548	-5.47682	2.84E-05	0.000749	2.611285
C9orf103	-2.35414	0.815761	-5.40915	2.77E-05	0.000747	2.609985
TTI2	-0.84955	0.581999	-5.40809	2.77E-05	0.000747	2.607673
CHRND	1.00149	-0.71264	5.407988	2.77E-05	0.000747	2.607452
TRPC4AP	-0.89653	0.711692	-5.40738	2.78E-05	0.000747	2.606131
TUBA1C	-1.39455	1.226732	-5.40705	2.78E-05	0.000747	2.605409
C1GALT1C	-1.94454	0.671819	-5.40664	2.78E-05	0.000747	2.604521
TM2D1	-1.41038	0.711184	-5.40628	2.78E-05	0.000747	2.603733
CYP11B1	1.685945	-0.82614	5.405968	2.79E-05	0.000747	2.603055
C6orf120	-1.08802	0.666933	-5.40555	2.79E-05	0.000747	2.60214
TBC1D26	1.531424	-0.70682	5.405257	2.79E-05	0.000747	2.601507
STOM	-2.32635	1.14522	-5.40464	2.79E-05	0.000747	2.600174
SRRD	2.031075	-1.14776	5.40308	2.80E-05	0.000747	2.596769
NKX1-2	2.759541	-1.16983	5.402984	2.80E-05	0.000747	2.596561
SLC35B1	-0.70992	0.375616	-5.40252	2.81E-05	0.000747	2.595548
EWSR1	-1.22394	0.833419	-5.40222	2.81E-05	0.000747	2.594896
KCNQ3	2.672969	-1.12952	5.40163	2.81E-05	0.000747	2.593613
CHCHD1	-1.35174	0.888562	-5.4011	2.82E-05	0.000747	2.592451
DLGAP3	1.686968	-0.747	5.401009	2.82E-05	0.000747	2.592262
GATA2	1.950451	-0.8231	5.400104	2.82E-05	0.000747	2.590291
TRIM2	2.10385	-1.24682	5.399775	2.82E-05	0.000747	2.589576
ASCC1	-1.35662	0.913623	-5.39967	2.83E-05	0.000747	2.589349
SRRM1	0.95009	-0.85902	5.39961	2.83E-05	0.000747	2.589216
NSRP1	-1.8838	1.522938	-5.39954	2.83E-05	0.000747	2.589071
GBAP1	-1.5405	1.096749	-5.39924	2.83E-05	0.000747	2.588412
ADCYAP1R	1.394215	-1.02721	5.396224	2.85E-05	0.00075	2.581844
CDC123	-1.25003	0.664137	-5.39495	2.86E-05	0.000751	2.57907
SRPK3	1.517052	-0.97462	5.393298	2.87E-05	0.000752	2.575474
LOC645676	-1.0343	0.619397	-5.39322	2.87E-05	0.000752	2.575312
ASCC2	2.227942	-1.00126	5.392213	2.87E-05	0.000753	2.573111
GPC4	2.427575	-1.06932	5.386389	2.91E-05	0.000761	2.560426
TRIM55	1.417051	-0.30323	5.446531	3.04E-05	0.000779	2.559563
SLC1A7	1.114638	-0.5	5.38437	2.92E-05	0.000761	2.556028

SLC9A8	-1.48441	1.008719	-5.38429	2.92E-05	0.000761	2.555862
FIBIN	1.274263	-0.76863	5.384258	2.93E-05	0.000761	2.555783
PP14571	1.355974	-0.71274	5.383978	2.93E-05	0.000761	2.555175
LTA	1.939708	-0.98024	5.383555	2.93E-05	0.000761	2.554253
LINC00261	-1.228	0.245601	-5.38148	2.94E-05	0.000764	2.54974
SRRM3	2.114774	-0.94858	5.380356	2.95E-05	0.000764	2.547283
MS4A4A	-3.23214	1.452635	-5.38	2.95E-05	0.000764	2.546517
SYNGR2	-1.2372	0.554156	-5.37913	2.96E-05	0.000765	2.544617
DYNC1H1	1.092785	-0.57199	5.376543	2.98E-05	0.000768	2.538974
SELV	1.033843	-0.76378	5.439315	3.08E-05	0.000787	2.532388
GOSR2	-1.68798	0.857517	-5.37303	3.00E-05	0.000773	2.531319
EXOC3L2	1.931929	-0.89849	5.370907	3.01E-05	0.000776	2.526689
ADM	-2.26066	1.614589	-5.36825	3.03E-05	0.000779	2.520904
SETDB1	-0.88059	0.596078	-5.36784	3.04E-05	0.000779	2.520012
SNX1	-1.11926	0.629802	-5.36635	3.05E-05	0.00078	2.516766
GPR15	2.848569	-1.1067	5.364394	3.06E-05	0.000783	2.51249
KRTAP2-4	1.926701	-0.89356	5.362234	3.07E-05	0.000785	2.50778
FBXO17	1.424492	-0.87373	5.359057	3.10E-05	0.000787	2.500851
CCR10	1.804936	-0.53885	5.358387	3.10E-05	0.000787	2.49939
LOC100422	-1.28566	0.266158	-5.35795	3.10E-05	0.000787	2.49843
CPLX2	1.195941	-0.67206	5.357895	3.10E-05	0.000787	2.498317
MR1	-1.48177	0.848362	-5.35788	3.10E-05	0.000787	2.498283
INHBE	1.546303	-0.98985	5.357317	3.11E-05	0.000787	2.497056
HAGH	2.186219	-1.19818	5.356083	3.12E-05	0.000787	2.494365
CHAC1	1.114089	-0.60581	5.355628	3.12E-05	0.000787	2.493374
PGF	2.797264	-1.14312	5.355574	3.12E-05	0.000787	2.493255
STAT5B	-1.55584	0.94785	-5.35469	3.13E-05	0.000787	2.491329
FDPSL2A	-1.03697	0.609145	-5.35408	3.13E-05	0.000787	2.490007
GYG1	-2.82066	1.704359	-5.35392	3.13E-05	0.000787	2.489657
FIS1	1.683079	-1.08538	5.352907	3.14E-05	0.000788	2.487437
OAT	-1.56478	0.440207	-5.3506	3.16E-05	0.000791	2.482395
TAF8	-1.24351	0.661624	-5.34797	3.17E-05	0.000793	2.476663
ADPRHL1	-1.12681	0.992196	-5.34776	3.18E-05	0.000793	2.476208
TMEM200I	1.210983	-0.29915	5.347441	3.18E-05	0.000793	2.47551
PCGF5	2.37674	-0.87341	5.347295	3.18E-05	0.000793	2.475192
SAMSN1	-3.19592	1.47473	-5.3437	3.21E-05	0.000796	2.46734
ATG3	-1.37756	0.660405	-5.34299	3.21E-05	0.000796	2.4658
IRX4	1.893975	-0.86126	5.34201	3.22E-05	0.000796	2.463657
OR5T2	1.346963	-0.94386	5.341256	3.22E-05	0.000796	2.462012
OR10R2	-1.37759	0.424169	-5.34119	3.22E-05	0.000796	2.461871
FAM104A	0.989328	-0.65545	5.341092	3.22E-05	0.000796	2.461653
DNAJA2	-1.11183	0.414094	-5.34085	3.23E-05	0.000796	2.461127
MREG	-2.37214	0.691101	-5.34067	3.23E-05	0.000796	2.46074
VTA1	-1.41779	0.643581	-5.3402	3.23E-05	0.000796	2.459703
EPHX3	1.879196	-0.91756	5.339569	3.24E-05	0.000796	2.45833
PPP1R35	-1.09481	0.592124	-5.33905	3.24E-05	0.000796	2.457191
LRRC25	-1.2956	0.890948	-5.33864	3.24E-05	0.000796	2.456297

SLC6A17	2.7165	-1.48328	5.395543	3.39E-05	0.000808	2.452628
CT47B1	1.280161	-0.61897	5.400744	3.35E-05	0.000806	2.451097
SH3BP2	-1.2291	0.874678	-5.33564	3.26E-05	0.000801	2.449751
GUK1	2.46398	-1.30112	5.334846	3.27E-05	0.000801	2.448019
CRLF3	-1.24839	0.727033	-5.33352	3.28E-05	0.000801	2.445115
CHCHD3	-0.86587	0.714027	-5.33272	3.29E-05	0.000801	2.443383
PRR21	1.779918	-0.82617	5.332564	3.29E-05	0.000801	2.443036
LYZL1	1.413564	-0.70083	5.332524	3.29E-05	0.000801	2.442948
OXER1	1.825353	-0.85235	5.332221	3.29E-05	0.000801	2.442287
MSL3	-1.71948	1.11485	-5.33014	3.31E-05	0.000802	2.437738
SZT2	-0.71314	0.63547	-5.33005	3.31E-05	0.000802	2.437543
OR2H1	1.243162	-0.701	5.329885	3.31E-05	0.000802	2.437185
TXNL4A	-0.79001	0.471209	-5.32726	3.33E-05	0.000805	2.431458
MAGOH	-1.00928	0.582147	-5.32703	3.33E-05	0.000805	2.430951
CABP2	1.784781	-0.58796	5.383742	3.48E-05	0.000811	2.427837
DHDH	1.065257	-0.37831	5.325017	3.34E-05	0.000806	2.426553
AMN	1.767256	-0.79496	5.324925	3.34E-05	0.000806	2.426352
NT5M	1.941656	-0.82262	5.324273	3.35E-05	0.000806	2.424927
GABRB3	0.723683	-0.73064	5.323602	3.35E-05	0.000806	2.423462
LOC44046	1.193591	-0.85415	5.32273	3.36E-05	0.000807	2.421556
ARPC4	-1.37141	1.105741	-5.32126	3.37E-05	0.000808	2.418341
FAM181A	2.439998	-1.1059	5.319788	3.38E-05	0.000808	2.415131
PPP6R3	-2.04164	1.240317	-5.3178	3.40E-05	0.000808	2.410779
POC1A	-1.11099	0.903126	-5.31754	3.40E-05	0.000808	2.410218
ACBD5	-1.15684	0.436649	-5.31749	3.40E-05	0.000808	2.410108
ZNF818P	-1.2139	0.388429	-5.31732	3.40E-05	0.000808	2.409726
ORAOV1	-0.81203	0.543648	-5.31697	3.41E-05	0.000808	2.40897
BFAR	-0.9092	0.603817	-5.31563	3.42E-05	0.000808	2.406037
SLC25A39	3.369551	-1.47424	5.315389	3.42E-05	0.000808	2.405518
PLCXD2	1.720207	-0.85566	5.315196	3.42E-05	0.000808	2.405095
IGDCC4	2.175538	-0.95005	5.315193	3.42E-05	0.000808	2.405089
HMX2	1.958167	-0.90957	5.314759	3.42E-05	0.000808	2.404141
LAMC3	2.354355	-0.98442	5.314716	3.42E-05	0.000808	2.404048
KIAA0485	1.271064	-0.85556	5.314275	3.43E-05	0.000808	2.403083
ACOT8	-0.71485	0.493845	-5.31312	3.43E-05	0.000808	2.40055
LOC100130	2.411624	-1.0387	5.312968	3.44E-05	0.000808	2.400228
KCNK7	2.773838	-1.10271	5.312209	3.44E-05	0.000808	2.398568
LOC100501	1.144792	-0.75581	5.312022	3.44E-05	0.000808	2.39816
SLC22A18A	1.650634	-0.73064	5.311523	3.45E-05	0.000808	2.39707
MILR1	-2.45134	1.650955	-5.31066	3.45E-05	0.000809	2.395187
PLK1	-1.55007	1.260112	-5.30996	3.46E-05	0.000809	2.393663
TMEM145	2.070891	-0.965	5.308997	3.47E-05	0.00081	2.391548
RNF7	-0.9727	0.380706	-5.30724	3.48E-05	0.000811	2.387715
FOXB1	1.754687	-0.76033	5.306669	3.49E-05	0.000811	2.386457
SLC35C2	-1.09841	0.815286	-5.30581	3.49E-05	0.000811	2.384572
BNIP2	-1.94081	0.587518	-5.3689	3.60E-05	0.00082	2.383866
ATP11B	-1.5386	0.400181	-5.3054	3.50E-05	0.000811	2.383677

SLC22A17	1.71631	-0.78261	5.305344	3.50E-05	0.000811	2.383562
FAM90A1	-1.71271	0.74594	-5.30479	3.50E-05	0.000811	2.382346
HOXB13	1.357791	-0.82683	5.303264	3.51E-05	0.000813	2.379015
IMPG2	2.051801	-0.91771	5.301356	3.53E-05	0.000815	2.374842
UBA3	-1.92219	0.823506	-5.30036	3.54E-05	0.000816	2.37266
IFT172	0.955126	-0.5218	5.299312	3.54E-05	0.000817	2.370371
CABP5	1.802962	-0.89948	5.298698	3.55E-05	0.000817	2.369029
FBXO15	2.190089	-1.04962	5.297864	3.56E-05	0.000818	2.367207
BIN3	-0.86609	0.68324	-5.2972	3.56E-05	0.000818	2.365743
CDC42SE1	-1.06536	0.768864	-5.29621	3.57E-05	0.000818	2.363591
SLC16A11	1.587785	-0.80044	5.296127	3.57E-05	0.000818	2.363407
LOH12CR1	-1.12868	0.644058	-5.29552	3.57E-05	0.000818	2.362086
ACOT12	2.590376	-1.32581	5.424366	3.84E-05	0.00085	2.361255
SERINC3	-1.41346	1.112856	-5.29363	3.59E-05	0.00082	2.357937
IL4R	-1.33205	0.8322	-5.29292	3.60E-05	0.00082	2.356387
MYADML2	0.831207	-0.39612	5.292298	3.60E-05	0.00082	2.355031
PRDX6	1.834935	-1.10983	5.290894	3.61E-05	0.000822	2.351959
FCER1A	3.571684	-2.45391	5.344727	3.79E-05	0.000848	2.345764
SMU1	-0.82374	0.639123	-5.28447	3.66E-05	0.000833	2.337915
KCNH4	1.317518	-0.95452	5.282418	3.68E-05	0.000836	2.333415
GLTP	-1.48097	0.901745	-5.28207	3.69E-05	0.000836	2.332644
SLC6A5	2.431415	-1.36476	5.281251	3.69E-05	0.000836	2.33086
POLR2J	-1.16535	0.999855	-5.27938	3.71E-05	0.000839	2.32676
LOC100507	-0.70846	0.259997	-5.27884	3.71E-05	0.000839	2.325576
PSMD10	-1.02317	0.196501	-5.27784	3.72E-05	0.00084	2.323396
DRD4	2.183269	-0.80297	5.276845	3.73E-05	0.000841	2.321216
DPP9	-1.21834	1.271133	-5.27633	3.73E-05	0.000841	2.320086
EXOSC3	-0.98604	0.584191	-5.27451	3.75E-05	0.000843	2.316104
C8orf44	-1.18717	0.80241	-5.27266	3.76E-05	0.000846	2.312054
BBS2	1.081113	-0.61302	5.271881	3.77E-05	0.000846	2.310348
LONP2	-1.10058	0.705927	-5.27166	3.77E-05	0.000846	2.309869
THYN1	-0.81717	0.55177	-5.27127	3.78E-05	0.000846	2.309001
FAM55A	2.043176	-0.56649	5.326496	3.95E-05	0.000864	2.307357
C17orf85	-1.16155	0.418316	-5.26878	3.80E-05	0.000848	2.303561
LRP10	-1.50772	1.353997	-5.26684	3.81E-05	0.00085	2.299301
MGC45922	1.699562	-0.90869	5.266777	3.81E-05	0.00085	2.299174
SLC25A40	-1.83341	0.678535	-5.26633	3.82E-05	0.00085	2.298201
HCCS	-1.236	0.832195	-5.26611	3.82E-05	0.00085	2.297723
HBA1	4.524012	-2.13981	5.32104	3.99E-05	0.000869	2.295856
SOX17	1.656166	-0.76637	5.264487	3.83E-05	0.00085	2.294157
SCGBL	2.21364	-1.12384	5.264463	3.83E-05	0.00085	2.294105
IRX3	2.599306	-1.05386	5.263841	3.84E-05	0.00085	2.292742
HOXA3	1.052442	-0.57849	5.263727	3.84E-05	0.00085	2.292493
GMDS	-0.78749	0.709939	-5.26284	3.85E-05	0.00085	2.29055
DNAJC5G	2.197444	-0.86062	5.259831	3.88E-05	0.000855	2.283961
CRHR1	1.553932	-0.80103	5.258085	3.89E-05	0.000856	2.280135
VNN1	-4.36863	2.32596	-5.25795	3.89E-05	0.000856	2.279837

ANKRD22	-3.69601	1.671522	-5.25746	3.90E-05	0.000856	2.278774
POLR2A	0.96872	-0.69382	5.257189	3.90E-05	0.000856	2.278171
CLPS	2.082113	-0.93321	5.254908	3.92E-05	0.00086	2.273173
FIBP	-0.82557	0.440209	-5.25409	3.93E-05	0.000861	2.271379
EFHD1	1.520951	-0.79185	5.385472	4.17E-05	0.000892	2.271072
C19orf59	-2.39015	1.477784	-5.25149	3.95E-05	0.000864	2.265692
ADRA2B	0.747155	-0.45578	5.462017	4.34E-05	0.0009	2.264495
C3orf71	-1.36217	0.743574	-5.24971	3.97E-05	0.000865	2.261783
GOLGA1	-1.3049	0.447548	-5.2497	3.97E-05	0.000865	2.261767
FAM47A	1.393118	-0.69808	5.247492	3.99E-05	0.000869	2.256923
LECT1	1.41448	-0.92239	5.244666	4.01E-05	0.000872	2.250729
LGR6	2.513402	-1.08961	5.243871	4.02E-05	0.000873	2.248985
SCNN1B	1.208438	-0.99452	5.241452	4.04E-05	0.000876	2.243683
IL1R1	-2.18181	0.972785	-5.24142	4.04E-05	0.000876	2.243616
FSIP1	1.722815	-0.55137	5.293365	4.24E-05	0.000897	2.237469
PDPK1	-1.29845	1.165304	-5.23802	4.07E-05	0.000882	2.236152
ZNF426	-1.18206	0.715022	-5.2959	4.22E-05	0.000895	2.229298
RARB	1.096267	-0.30999	5.232263	4.13E-05	0.000892	2.223534
CCL24	1.151154	-0.63747	5.231288	4.13E-05	0.000892	2.221397
PPP1R7	-0.64341	0.546363	-5.23116	4.14E-05	0.000892	2.221126
CDK5	-0.87068	0.515394	-5.23112	4.14E-05	0.000892	2.221038
B3GALNT1	1.851766	-0.85068	5.230549	4.14E-05	0.000892	2.219776
GSTP1	1.427132	-0.63397	5.229786	4.15E-05	0.000892	2.218103
IGF2	2.237519	-1.01386	5.228733	4.16E-05	0.000892	2.215793
KLHL12	-1.15549	0.575827	-5.22837	4.16E-05	0.000892	2.214993
LCE1C	1.06802	-0.59317	5.227791	4.17E-05	0.000892	2.213725
PLOD3	0.811628	-0.32283	5.227624	4.17E-05	0.000892	2.21336
MEF2D	1.373932	-0.64938	5.225778	4.19E-05	0.000895	2.209311
HRC	1.56428	-0.69894	5.224278	4.20E-05	0.000895	2.206019
GSTO1	-1.30968	0.512714	-5.22414	4.20E-05	0.000895	2.205708
ITLN1	2.915242	-1.41046	5.223283	4.21E-05	0.000895	2.203838
TNFRSF14	-0.61403	0.39075	-5.22306	4.21E-05	0.000895	2.203346
BCLAF1	-0.93057	0.77276	-5.2229	4.21E-05	0.000895	2.202998
LINC00346	1.732342	-0.75151	5.222599	4.22E-05	0.000895	2.202336
C1D	-1.32682	0.4463	-5.22116	4.23E-05	0.000896	2.199171
LOXL1	-1.83914	1.187285	-5.22102	4.23E-05	0.000896	2.198879
SNRPA1	-1.23536	0.825192	-5.21843	4.26E-05	0.000899	2.193183
SHISA6	2.298354	-1.39844	5.34051	4.58E-05	0.000925	2.190866
PRRT1	1.456348	-0.80003	5.216563	4.28E-05	0.000899	2.189091
FGFRL1	-2.1185	1.919781	-5.21623	4.28E-05	0.000899	2.188356
WFDC12	1.599724	-1.05721	5.216224	4.28E-05	0.000899	2.188347
ZNF330	-1.10795	0.422146	-5.21537	4.29E-05	0.000899	2.186479
GPR25	1.215328	-0.55719	5.215212	4.29E-05	0.000899	2.186126
SBK1	1.937759	-0.87166	5.214807	4.29E-05	0.000899	2.185237
TOR1A	-1.04937	0.494961	-5.21428	4.30E-05	0.000899	2.184091
ANXA10	1.50971	-0.78227	5.214195	4.30E-05	0.000899	2.183895
ZBTB48	-0.91531	0.81299	-5.21393	4.30E-05	0.000899	2.183307

NRBP1	-0.68848	0.572407	-5.21317	4.31E-05	0.0009	2.181643
SLC34A1	2.437762	-0.99198	5.212184	4.32E-05	0.0009	2.17948
KRTAP2-1	2.567107	-1.23186	5.211728	4.32E-05	0.0009	2.17848
LOC100509	2.291664	-0.99139	5.211476	4.32E-05	0.0009	2.177926
SERPINB1	-2.11214	0.718957	-5.21105	4.33E-05	0.0009	2.177001
TPTE2	1.01579	-0.29571	5.210925	4.33E-05	0.0009	2.176718
PID1	2.090211	-1.22227	5.20908	4.35E-05	0.000901	2.172666
TACR1	2.779719	-0.94555	5.208912	4.35E-05	0.000901	2.172299
FRMPD3	1.221972	-0.58	5.207207	4.37E-05	0.000904	2.168555
CRHR2	1.341299	-0.74802	5.206394	4.38E-05	0.000904	2.166771
C6orf27	1.286178	-0.72227	5.205509	4.38E-05	0.000905	2.164829
LINC00029	1.30264	-0.62984	5.205346	4.39E-05	0.000905	2.16447
OR1L3	2.312257	-1.00293	5.203403	4.40E-05	0.000908	2.160203
HTR1B	1.832673	-0.9852	5.202492	4.41E-05	0.000908	2.158203
LAMTOR2	-0.83375	0.474096	-5.20169	4.42E-05	0.000909	2.156445
FLOT2	-2.32159	1.700421	-5.20051	4.43E-05	0.00091	2.153842
SPRR2E	1.32466	-0.83703	5.200214	4.44E-05	0.00091	2.153202
TMEM239	2.618233	-1.13569	5.199634	4.44E-05	0.000911	2.151928
ARPC5L	-0.97094	0.554931	-5.19851	4.45E-05	0.000912	2.149456
C22orf45	2.694351	-1.13253	5.198142	4.46E-05	0.000912	2.148651
ZNF546	-1.24946	0.566293	-5.19773	4.46E-05	0.000912	2.147752
ZNF438	-1.72325	1.235612	-5.19672	4.47E-05	0.000913	2.145519
SFT2D2	-1.53685	0.448923	-5.19483	4.49E-05	0.000916	2.141372
FAM180A	2.675125	-1.28623	5.191832	4.52E-05	0.00092	2.134791
C6orf208	1.77166	-1.15065	5.191781	4.52E-05	0.00092	2.134678
LYPLA1	-1.50734	0.837524	-5.1906	4.54E-05	0.000922	2.132074
CAV1	1.850355	-0.81549	5.189644	4.54E-05	0.000923	2.129985
CT47A11	1.751125	-0.82377	5.1884	4.56E-05	0.000924	2.12725
C5orf4	3.034639	-1.45731	5.18715	4.57E-05	0.000925	2.124504
ZBTB22	-1.01345	0.474618	-5.18619	4.58E-05	0.000925	2.122406
UBL4A	0.913798	-0.64783	5.186024	4.58E-05	0.000925	2.122031
CPNE3	-1.16435	0.639281	-5.18566	4.59E-05	0.000925	2.121221
SNX13	-1.49141	0.455102	-5.18538	4.59E-05	0.000925	2.120624
C14orf93	-0.62183	0.434508	-5.18511	4.59E-05	0.000925	2.120033
NPBWR1	2.668702	-1.06562	5.184535	4.60E-05	0.000925	2.11876
ACO1	0.952713	-0.48104	5.18364	4.61E-05	0.000926	2.116793
PSMA7	-0.85031	0.602454	-5.18308	4.61E-05	0.000926	2.115565
OR7E5P	-1.24483	0.448641	-5.18198	4.62E-05	0.000927	2.113138
PRIC285	1.108387	-0.40092	5.181795	4.63E-05	0.000927	2.112738
JARID2	1.348912	-0.79098	5.181471	4.63E-05	0.000927	2.112026
GPR77	0.96227	-0.56324	5.180498	4.64E-05	0.000928	2.109888
UBE2H	-1.42363	0.764215	-5.17848	4.66E-05	0.000931	2.105449
SERPINB8	-1.27377	0.878323	-5.17772	4.67E-05	0.000932	2.103785
GPR156	2.080164	-0.90881	5.176009	4.69E-05	0.000934	2.10002
TMEM214	1.329676	-0.474	5.17517	4.70E-05	0.000935	2.098175
VWA5B2	2.396504	-0.89516	5.173759	4.71E-05	0.000937	2.095074
RBMS2	0.881102	-0.47079	5.173171	4.72E-05	0.000938	2.093783

LOC92659	2.063808	-0.97651	5.171825	4.73E-05	0.00094	2.090824
MNT	-0.75941	0.518616	-5.17108	4.74E-05	0.00094	2.089187
OR1L4	1.797652	-1.22523	5.170026	4.75E-05	0.000942	2.086867
KCNK3	1.780713	-0.82027	5.169161	4.76E-05	0.000942	2.084965
ENSA	-1.16851	0.895927	-5.16908	4.76E-05	0.000942	2.084789
OPTN	2.072728	-0.97785	5.167737	4.78E-05	0.000944	2.081835
ROPN1L	-2.05836	1.445356	-5.16696	4.79E-05	0.000944	2.080121
TMED7-TIC	-1.42334	0.743808	-5.16651	4.79E-05	0.000944	2.079137
SRA1	-1.02983	0.696301	-5.16589	4.80E-05	0.000945	2.077762
TRAPPC1	-0.8334	0.69328	-5.1634	4.82E-05	0.000948	2.072287
ID1	-1.91215	1.245046	-5.16231	4.84E-05	0.000948	2.06989
LIN7B	1.892134	-0.84085	5.162264	4.84E-05	0.000948	2.0698
CCDC169	1.806786	-0.77147	5.162254	4.84E-05	0.000948	2.069777
C10orf27	2.280561	-0.88878	5.161353	4.85E-05	0.000948	2.067794
TGFBR3	1.434311	-0.37894	5.16128	4.85E-05	0.000948	2.067635
ARFGAP2	-0.97819	0.779081	-5.16088	4.85E-05	0.000948	2.066754
IFT43	-0.89999	0.614432	-5.16055	4.86E-05	0.000948	2.066026
HCAR2	1.860501	-0.8795	5.160306	4.86E-05	0.000948	2.065492
RPS6KB2	-0.87694	0.638078	-5.15946	4.87E-05	0.000949	2.063638
SAP30BP	-0.60551	0.484518	-5.15819	4.88E-05	0.000951	2.060848
CLEC10A	1.341485	-0.54284	5.157773	4.89E-05	0.000951	2.05992
HLF	1.187671	-0.52067	5.274485	5.27E-05	0.000984	2.05613
CYBB	-1.56146	0.882096	-5.15474	4.92E-05	0.000956	2.053246
C19orf23	2.014077	-0.88107	5.153581	4.93E-05	0.000957	2.050699
KCNJ10	1.250431	-1.0109	5.152835	4.94E-05	0.000957	2.049056
LOC100506	1.452845	-0.77883	5.152377	4.95E-05	0.000957	2.048049
PYY2	2.171551	-0.90407	5.152247	4.95E-05	0.000957	2.047764
DAGLB	-1.15405	0.897382	-5.15196	4.95E-05	0.000957	2.047127
FLJ43390	-1.15486	0.297016	-5.21007	5.10E-05	0.000965	2.046895
NUCB1	-1.64326	1.397106	-5.15162	4.96E-05	0.000957	2.046375
ORAI2	-1.51924	1.115367	-5.15103	4.96E-05	0.000957	2.045093
NPBWR2	2.414092	-0.98166	5.150884	4.96E-05	0.000957	2.044764
LOC100133	1.235085	-0.9501	5.150795	4.96E-05	0.000957	2.044569
PKP3	1.243561	-0.65897	5.149923	4.97E-05	0.000958	2.042651
PRY2	2.004485	-0.89181	5.148656	4.99E-05	0.000959	2.039862
FAM131C	2.602589	-1.14582	5.148228	4.99E-05	0.000959	2.038921
LYRM1	-1.73199	0.78285	-5.1472	5.01E-05	0.000961	2.036651
C10orf26	-0.90234	0.702191	-5.14622	5.02E-05	0.000962	2.034508
LEPREL2	1.609457	-0.95692	5.263195	5.40E-05	0.000997	2.033042
PCBP4	1.318489	-0.68237	5.144992	5.03E-05	0.000964	2.031799
GSR	-1.66678	0.744199	-5.14419	5.04E-05	0.000964	2.030024
MYEOV	1.993958	-1.032	5.14356	5.05E-05	0.000964	2.028647
COG4	-0.8164	0.657246	-5.14356	5.05E-05	0.000964	2.028644
MAFA	2.149606	-0.88481	5.143099	5.05E-05	0.000964	2.027633
TMEM125	1.806057	-1.29184	5.140982	5.08E-05	0.000965	2.022972
CDK15	2.09941	-1.2883	5.140907	5.08E-05	0.000965	2.022807
LHX1	1.29073	-0.65991	5.140584	5.08E-05	0.000965	2.022096

DMRT3	-1.37831	0.280915	-5.14043	5.08E-05	0.000965	2.021762
P2RX2	2.009003	-0.94543	5.139861	5.09E-05	0.000965	2.020506
UGT2A1	1.531607	-0.79899	5.13962	5.09E-05	0.000965	2.019974
KIAA0556	-1.8221	1.277523	-5.13953	5.09E-05	0.000965	2.019778
RAB1B	-1.38239	1.244407	-5.13838	5.11E-05	0.000966	2.01725
NKX6-1	1.308058	-0.52822	5.195289	5.26E-05	0.000984	2.015395
CDC26	-1.01945	0.812684	-5.13551	5.14E-05	0.00097	2.010933
LOC146336	2.884867	-1.67016	5.135118	5.15E-05	0.00097	2.010064
EFNA3	1.528734	-0.82433	5.135043	5.15E-05	0.00097	2.009899
ATP5F1	-1.17641	0.5589	-5.13353	5.16E-05	0.000973	2.006559
CCDC115	-1.22359	0.948063	-5.13296	5.17E-05	0.000973	2.005319
UBE2NL	-0.93823	0.560242	-5.12963	5.21E-05	0.00098	1.997975
TMED4	-0.82152	0.850961	-5.12822	5.23E-05	0.000982	1.994883
GMPR2	-1.67268	0.993534	-5.12687	5.24E-05	0.000983	1.991894
GADD45B	-1.49734	1.111686	-5.12673	5.24E-05	0.000983	1.991584
FLJ39534	-0.90389	0.51442	-5.12542	5.26E-05	0.000984	1.988709
KLK9	1.528435	-0.71587	5.125059	5.26E-05	0.000984	1.987914
ADAM2	0.988665	-0.24521	5.124891	5.27E-05	0.000984	1.987542
PRRT2	1.10949	-0.59519	5.122785	5.29E-05	0.000987	1.982903
CBFB	-0.82501	0.65194	-5.12169	5.31E-05	0.000988	1.980489
RND2	1.328433	-0.69449	5.235872	5.72E-05	0.001021	1.977103
PAK6	0.776683	-0.24393	5.118413	5.34E-05	0.000994	1.973274
KIFC1	-1.96094	1.582142	-5.11801	5.35E-05	0.000994	1.972386
FAM63B	-1.53033	0.845295	-5.11789	5.35E-05	0.000994	1.972128
CDKN2A	1.208001	-0.42439	5.116891	5.36E-05	0.000995	1.96992
CYP3A43	1.526986	-0.79327	5.11665	5.37E-05	0.000995	1.969389
MGC24105	1.61449	-1.06435	5.173305	5.53E-05	0.001	1.968518
ADAD1	1.630926	-0.95222	5.115663	5.38E-05	0.000996	1.967213
GLE1	-0.88477	0.762947	-5.11466	5.39E-05	0.000997	1.965004
OSM	-1.88457	1.123419	-5.11413	5.40E-05	0.000997	1.963831
ZNF253	-0.90929	0.36528	-5.11373	5.40E-05	0.000997	1.962945
SLC26A8	-2.38069	2.089373	-5.17061	5.56E-05	0.001003	1.962777
C3orf23	-1.27647	0.202721	-5.11303	5.41E-05	0.000997	1.961417
WSCD1	-1.85258	0.455337	-5.1622	5.66E-05	0.001014	1.959658
BAP1	-1.07449	0.882908	-5.11211	5.42E-05	0.000997	1.959388
P2RX3	1.580942	-0.77576	5.111966	5.42E-05	0.000997	1.959068
HBZ	3.737302	-2.07372	5.111153	5.43E-05	0.000997	1.957275
C4orf10	-0.80079	0.584434	-5.11043	5.44E-05	0.000997	1.955677
LOC100507	-0.94623	0.615869	-5.11036	5.44E-05	0.000997	1.955528
TPTE2P6	1.420456	-0.73592	5.110072	5.45E-05	0.000997	1.954894
TBC1D7	-1.09668	0.575204	-5.10981	5.45E-05	0.000997	1.954319
MMD2	-0.90145	0.17366	-5.10895	5.46E-05	0.000997	1.952421
OR1S2	1.312349	-0.64341	5.108892	5.46E-05	0.000997	1.952294
PPM1B	-1.12531	0.331081	-5.10841	5.47E-05	0.000997	1.951229
PDZD11	1.099012	-0.58913	5.108003	5.47E-05	0.000997	1.950334
DISP2	1.300317	-0.64734	5.107961	5.47E-05	0.000997	1.950242
GRPR	1.870031	-0.8899	5.107939	5.47E-05	0.000997	1.950193

GAPDH	-0.98353	0.708823	-5.10764	5.48E-05	0.000997	1.949542
SNX3	-1.71558	0.856809	-5.10715	5.48E-05	0.000997	1.948463
PROP1	1.92222	-0.84425	5.106037	5.50E-05	0.000998	1.946001
HTATIP2	-1.45815	0.90588	-5.1058	5.50E-05	0.000998	1.945485
TNP2	2.410271	-0.93431	5.104325	5.52E-05	0.001	1.942227
WFDC9	1.760911	-0.908	5.103735	5.53E-05	0.001	1.940926
C1orf212	-1.2685	0.535009	-5.10301	5.54E-05	0.001	1.939329
FLJ32255	-1.49308	1.196088	-5.10301	5.54E-05	0.001	1.939329
BNIP3L	2.069417	-1.23088	5.098012	5.60E-05	0.001009	1.928311
DYRK1B	1.41204	-0.58895	5.096177	5.62E-05	0.001013	1.924264
EDEM2	-1.46792	0.900739	-5.09505	5.64E-05	0.001014	1.921782
FBN1	2.234423	-1.47119	5.094231	5.65E-05	0.001014	1.919974
MAS1	1.91039	-0.64003	5.094177	5.65E-05	0.001014	1.919855
NLRP9	-0.66015	0.377395	-5.09413	5.65E-05	0.001014	1.919757
BIRC5	-1.94979	1.263905	-5.09288	5.67E-05	0.001014	1.917001
CHMP4A	-0.65748	0.588153	-5.09287	5.67E-05	0.001014	1.916969
RNF167	-1.39264	1.147657	-5.09234	5.67E-05	0.001014	1.915801
ROR2	1.518076	-1.012	5.090755	5.69E-05	0.001017	1.912308
MBD4	-1.11015	0.676805	-5.08784	5.73E-05	0.001021	1.905876
CDHR5	1.710546	-0.69421	5.087737	5.73E-05	0.001021	1.905652
LOC284998	1.660096	-0.94786	5.266437	6.46E-05	0.001086	1.902034
GABRB2	1.644591	-0.82756	5.085791	5.76E-05	0.001024	1.901361
TBX21	1.872354	-0.69217	5.085501	5.76E-05	0.001024	1.900721
PHKA2	-1.13286	0.689609	-5.08385	5.78E-05	0.001027	1.89707
VGLL2	0.941229	-0.56253	5.083739	5.78E-05	0.001027	1.896834
FGF8	0.877871	-0.2688	5.196705	6.22E-05	0.001066	1.896773
C2orf56	-1.2536	0.428725	-5.0829	5.80E-05	0.001028	1.894991
DIRC1	1.760158	-0.80836	5.082383	5.80E-05	0.001028	1.893842
GSPT1	2.245479	-1.06146	5.081379	5.82E-05	0.001029	1.891628
ENO2	1.433107	-0.862	5.080098	5.83E-05	0.001032	1.888802
PDGFC	-1.61048	0.5309	-5.07898	5.85E-05	0.001033	1.88634
C17orf96	1.483728	-0.84738	5.075631	5.89E-05	0.00104	1.878945
STAMBP	-0.80049	0.466688	-5.07508	5.90E-05	0.00104	1.877719
NEUROG1	1.604611	-0.76367	5.074846	5.90E-05	0.00104	1.877213
ESPN	1.845175	-0.65251	5.074587	5.91E-05	0.00104	1.876642
TPSG1	1.194447	-0.74589	5.074218	5.91E-05	0.00104	1.875827
LOC100129	1.50354	-0.78142	5.073203	5.93E-05	0.001041	1.873586
ARHGAP33	-1.1838	0.935918	-5.07275	5.93E-05	0.001041	1.872579
GSC	1.549912	-0.82545	5.072625	5.93E-05	0.001041	1.872312
NUMA1	-1.1952	1.142973	-5.07092	5.96E-05	0.001044	1.868556
CACNA1E	1.837019	-0.85845	5.06961	5.97E-05	0.001046	1.865657
OR2A7	-1.24238	0.485349	-5.12481	6.15E-05	0.00106	1.864947
POLR1D	-1.60051	1.233494	-5.06919	5.98E-05	0.001046	1.864725
SLAMF9	1.837695	-0.79571	5.068471	5.99E-05	0.001047	1.863145
C1orf198	1.866005	-0.70541	5.067569	6.00E-05	0.001047	1.861153
OTUB2	1.778946	-1.09778	5.067213	6.01E-05	0.001047	1.860368
GPR12	1.810797	-0.85697	5.067115	6.01E-05	0.001047	1.860151

KLHL17	2.525115	-0.87158	5.066985	6.01E-05	0.001047	1.859863
CYP4X1	-1.54757	0.3198	-5.06408	6.05E-05	0.001053	1.853452
KCNQ1OT1	-1.41854	0.893833	-5.06375	6.06E-05	0.001053	1.852724
TMPRSS11	-1.4745	0.312372	-5.11069	6.35E-05	0.001079	1.850091
C7orf42	-1.16267	0.689678	-5.0625	6.07E-05	0.001054	1.849972
C3orf38	-1.12217	0.291281	-5.06215	6.08E-05	0.001054	1.849192
CHMP1B	-1.11196	0.55561	-5.0621	6.08E-05	0.001054	1.849083
MTRR	-1.51522	0.489283	-5.06005	6.11E-05	0.001058	1.844558
PPP2CA	-1.03007	0.460219	-5.05965	6.11E-05	0.001058	1.843665
HSPA13	0.980363	-0.2207	5.169603	6.59E-05	0.001089	1.841089
C7orf28B	-1.0838	0.32675	-5.05823	6.13E-05	0.00106	1.840536
FLOT1	-2.35621	1.62297	-5.05817	6.13E-05	0.00106	1.840403
BEST4	1.283572	-0.66129	5.057386	6.14E-05	0.00106	1.838673
MRGPRF	1.88015	-0.9175	5.057044	6.15E-05	0.00106	1.837918
SLU7	-1.37155	0.880684	-5.05627	6.16E-05	0.001061	1.8362
ZNF189	-1.16198	0.466573	-5.05424	6.19E-05	0.001064	1.831731
BPIFB2	2.864934	-1.1986	5.053394	6.20E-05	0.001064	1.829858
GPR97	-1.86424	1.35291	-5.05337	6.20E-05	0.001064	1.829807
GDF5	1.953655	-0.8392	5.053121	6.20E-05	0.001064	1.829254
VPS29	-1.07578	0.699616	-5.05177	6.22E-05	0.001066	1.826273
NFKBIZ	-2.18936	1.190803	-5.05152	6.23E-05	0.001066	1.82572
MKRN1	1.950177	-1.17427	5.050943	6.23E-05	0.001066	1.824444
CRYGA	1.428832	-0.63079	5.04976	6.25E-05	0.001068	1.821831
DYRK1A	1.81262	-0.75183	5.047	6.29E-05	0.001074	1.815735
ATP11A	-1.46238	0.681504	-5.04489	6.32E-05	0.001077	1.811076
SNX14	-1.45192	0.378356	-5.04437	6.33E-05	0.001077	1.809936
HSD17B14	1.739774	-0.63498	5.044235	6.33E-05	0.001077	1.809628
MESP1	1.05827	-0.31566	5.043984	6.33E-05	0.001077	1.809073
C10orf46	-1.47244	0.809809	-5.04271	6.35E-05	0.001079	1.806264
IGF2BP3	-1.84125	0.597194	-5.03923	6.40E-05	0.001085	1.79858
CCDC108	1.200822	-0.62551	5.039146	6.41E-05	0.001085	1.798385
AKIRIN2-A'	-0.96531	0.829698	-5.09296	6.60E-05	0.001089	1.796818
PDE1B	-1.29323	0.929932	-5.0384	6.42E-05	0.001085	1.796731
FUT2	1.304602	-1.13732	5.038223	6.42E-05	0.001085	1.796346
MUSK	1.465107	-0.70239	5.03788	6.42E-05	0.001085	1.795587
C20orf151	0.983919	-0.60865	5.03746	6.43E-05	0.001085	1.79466
TMEM165	-2.07216	0.67217	-5.03695	6.44E-05	0.001085	1.793524
FUZ	0.713088	-0.18205	5.036818	6.44E-05	0.001085	1.79324
GAL3ST3	1.726858	-0.99358	5.036151	6.45E-05	0.001085	1.791766
FCGR2A	-1.85081	1.263098	-5.03611	6.45E-05	0.001085	1.791687
EPN3	1.480458	-0.7795	5.036	6.45E-05	0.001085	1.791434
MED12	-1.85211	1.461971	-5.03448	6.47E-05	0.001087	1.788067
LOC344591	1.361799	-0.75473	5.033534	6.49E-05	0.001088	1.785983
CHD1	-1.60124	0.648012	-5.03346	6.49E-05	0.001088	1.785813
ECM2	1.262743	-0.3072	5.031918	6.51E-05	0.001089	1.782412
LINC00491	2.818032	-1.01444	5.030964	6.53E-05	0.001089	1.780305
TOP3B	-0.8217	0.606684	-5.02935	6.55E-05	0.001089	1.776729

VPS8	-1.32019	0.61748	-5.0291	6.55E-05	0.001089	1.77618
NASP	-1.67561	1.308783	-5.02896	6.56E-05	0.001089	1.775865
ECSIT	1.315319	-0.67531	5.027937	6.57E-05	0.001089	1.773614
PSG11	1.174419	-0.43783	5.027799	6.57E-05	0.001089	1.77331
PSG2	1.633634	-0.76597	5.027317	6.58E-05	0.001089	1.772244
CMTM4	-1.88636	0.725297	-5.02728	6.58E-05	0.001089	1.772162
PRLH	1.36235	-0.62687	5.027214	6.58E-05	0.001089	1.772016
DAB2IP	1.242803	-0.47231	5.027171	6.58E-05	0.001089	1.77192
FDFT1	-0.57337	0.415101	-5.02708	6.58E-05	0.001089	1.771724
ALOX5	-1.74361	1.006939	-5.02662	6.59E-05	0.001089	1.770701
HES4	1.616511	-0.68679	5.026385	6.60E-05	0.001089	1.770183
LRRC15	-1.30496	0.297159	-5.02612	6.60E-05	0.001089	1.769598
MYH13	1.220916	-0.61663	5.025823	6.60E-05	0.001089	1.768942
ATP2A1	-1.35249	1.009522	-5.02578	6.60E-05	0.001089	1.768846
SPAST	-1.3538	0.475267	-5.07982	6.80E-05	0.001107	1.768673
IL5RA	1.88542	-1.23146	5.071548	6.92E-05	0.001113	1.766665
NKX2-3	1.5993	-0.86379	5.023292	6.64E-05	0.001095	1.763345
FCF1	-0.57386	0.125219	-5.02145	6.67E-05	0.001098	1.759276
PGM2	-1.62502	0.612609	-5.02125	6.67E-05	0.001098	1.758836
AHR	1.221502	-0.90748	5.02099	6.68E-05	0.001098	1.758257
SLC25A47	1.639873	-0.81218	5.020355	6.69E-05	0.001098	1.756853
PPIH	1.601848	-0.83818	5.019935	6.69E-05	0.001098	1.755925
UTP18	-0.85446	0.168474	-5.01974	6.70E-05	0.001098	1.755497
PLBD2	1.139139	-0.58095	5.017131	6.74E-05	0.001104	1.749725
LOC646715	-0.91665	0.307997	-5.01657	6.74E-05	0.001104	1.748476
CDK5RAP2	-2.13527	1.43662	-5.01639	6.75E-05	0.001104	1.748089
KCNN2	1.558177	-0.62978	5.015378	6.76E-05	0.001105	1.745848
TAF12	-1.03038	0.730983	-5.01525	6.77E-05	0.001105	1.745565
RUNDC1	-1.19414	0.877257	-5.01468	6.77E-05	0.001105	1.744305
GDI2	-0.99188	0.555527	-5.01336	6.79E-05	0.001107	1.741385
HP07349	1.520478	-0.64857	5.012357	6.81E-05	0.001108	1.739167
PLEKHG4B	1.442742	-0.71965	5.011821	6.82E-05	0.001108	1.737981
CD177	-1.66799	1.40591	-5.01163	6.82E-05	0.001108	1.737561
SYCE1L	1.183561	-0.66205	5.011376	6.83E-05	0.001108	1.736997
MRPS2	1.108363	-0.46632	5.010498	6.84E-05	0.001109	1.735057
CETN2	-1.08808	0.939317	-5.01024	6.84E-05	0.001109	1.734486
PIP4K2A	1.745255	-0.75099	5.009578	6.85E-05	0.00111	1.733021
SECTM1	-1.68722	1.498173	-5.00882	6.87E-05	0.00111	1.731336
HEY2	1.533327	-0.93344	5.108714	7.51E-05	0.00117	1.731259
KRT19	0.608505	-0.53485	5.008646	6.87E-05	0.00111	1.730961
LOC100128	1.183782	-0.88268	5.008543	6.87E-05	0.00111	1.730732
POLR2B	-0.82342	0.23007	-5.00796	6.88E-05	0.00111	1.729438
LOC100133	-1.26864	0.854167	-5.00708	6.89E-05	0.001112	1.727493
EMR1	-1.74749	0.597899	-5.00653	6.90E-05	0.001112	1.726277
MCTP2	-2.45897	1.655336	-5.0052	6.92E-05	0.001113	1.723339
TSC22D4	-1.03066	1.068092	-5.0035	6.95E-05	0.001113	1.719585
TBCA	-1.16473	0.446927	-5.0034	6.95E-05	0.001113	1.719354

MADD	1.015756	-0.56745	5.003361	6.95E-05	0.001113	1.71927
TMEM52	1.883485	-0.82905	5.003246	6.95E-05	0.001113	1.719016
HMBS	2.130971	-1.01526	5.00321	6.95E-05	0.001113	1.718936
FOXEO	1.609512	-0.72057	5.00305	6.96E-05	0.001113	1.718582
GDF15	1.616748	-0.9135	5.002896	6.96E-05	0.001113	1.718241
ACOT9	-1.37395	0.895419	-5.0028	6.96E-05	0.001113	1.71802
NKX2-8	1.517897	-0.79587	5.001041	6.99E-05	0.001116	1.714138
LOC100506	-1.0441	0.551302	-4.99713	7.05E-05	0.001125	1.705488
DSPP	1.482355	-0.51482	4.996526	7.06E-05	0.001126	1.704147
ERP27	-0.93888	0.432756	-4.99503	7.09E-05	0.001129	1.70084
BICD1	-1.32084	0.25366	-4.99371	7.11E-05	0.001131	1.697918
R3HDML	2.449253	-1.00706	4.993188	7.12E-05	0.001132	1.696762
LTK	1.238775	-0.21702	4.99194	7.14E-05	0.001134	1.693999
REG3G	1.692879	-0.58043	5.33525	8.59E-05	0.001263	1.693066
IDI2-AS1	-0.98656	0.556126	-4.99077	7.16E-05	0.001136	1.691409
C14orf133	-0.64615	0.361976	-4.98823	7.20E-05	0.001142	1.685779
MPDU1	-1.29089	0.952887	-4.98732	7.21E-05	0.001143	1.683765
ANO10	-2.06465	1.087457	-4.98637	7.23E-05	0.001145	1.681681
BCAM	1.747676	-0.85178	4.983885	7.27E-05	0.00115	1.676172
MED27	-0.88364	0.481557	-4.98059	7.32E-05	0.001158	1.668879
TEP1	-0.94825	0.708513	-4.98034	7.33E-05	0.001158	1.668322
CLEC4D	-2.96771	1.219726	-4.97958	7.34E-05	0.001159	1.666649
TAAR5	1.185029	-0.82791	4.979022	7.35E-05	0.00116	1.665405
NYX	1.819477	-0.96081	4.977259	7.38E-05	0.001161	1.661502
UCKL1	1.019586	-0.37474	4.977066	7.38E-05	0.001161	1.661075
CCDC7	1.069564	-0.87955	4.976558	7.39E-05	0.001161	1.659949
TECPR1	-0.91113	0.538762	-4.97643	7.39E-05	0.001161	1.659669
APOE	1.303018	-0.57038	4.976413	7.39E-05	0.001161	1.659628
FECH	1.214313	-0.6528	4.976155	7.40E-05	0.001161	1.659058
SFTA3	-1.28974	0.222629	-4.97615	7.40E-05	0.001161	1.659038
LOC100505	1.116287	-0.64345	4.974027	7.44E-05	0.001165	1.654345
PCYT1A	-1.51106	0.636138	-4.97345	7.44E-05	0.001166	1.65307
ZNF862	-0.75292	0.670179	-4.97312	7.45E-05	0.001166	1.65233
LOC100507	-1.22217	0.257298	-5.02531	7.67E-05	0.001183	1.651763
ZNF776	-1.04141	0.341921	-4.97274	7.46E-05	0.001166	1.651485
ERP44	-1.32245	0.787311	-4.97246	7.46E-05	0.001166	1.650875
TSPAN1	0.859873	-0.71001	4.971919	7.47E-05	0.001166	1.649676
ALPL	-2.11345	1.87699	-4.97131	7.48E-05	0.001167	1.648323
SLC22A10	2.507614	-1.1366	4.970361	7.50E-05	0.001169	1.646226
OR52B2	1.283212	-0.83122	4.969029	7.52E-05	0.00117	1.643277
FGGY	-1.27965	0.757021	-4.96774	7.54E-05	0.001173	1.640412
SH3D21	1.622738	-0.81193	4.966793	7.56E-05	0.001175	1.638324
KLHDC8A	1.231528	-0.1669	4.966307	7.57E-05	0.001175	1.637247
C11orf42	1.204832	-0.61863	4.965508	7.58E-05	0.001176	1.635478
PRRG1	1.676028	-0.78347	4.965254	7.59E-05	0.001176	1.634916
UTF1	1.234675	-0.61144	4.965059	7.59E-05	0.001176	1.634484
GPR39	1.214475	-0.40195	4.962525	7.63E-05	0.001181	1.628871

C19orf44	1.107583	-0.53422	4.962254	7.64E-05	0.001181	1.62827
CSNK2A1	-0.70547	0.514495	-4.9621	7.64E-05	0.001181	1.627927
RAB26	1.77637	-0.80148	4.960782	7.66E-05	0.001183	1.625009
OTUD6A	1.866492	-0.88961	4.959769	7.68E-05	0.001184	1.622766
C1orf74	-1.10063	0.611446	-4.95893	7.70E-05	0.001185	1.620899
TTC9C	-0.86434	0.677608	-4.95867	7.70E-05	0.001185	1.620329
FBXW2	-1.43248	0.661251	-4.95439	7.78E-05	0.001195	1.610857
GJD2	2.217444	-0.92529	4.954153	7.78E-05	0.001195	1.610323
KIF17	1.072319	-0.62531	4.953861	7.79E-05	0.001195	1.609675
PCCA	0.916567	-0.29506	4.953479	7.79E-05	0.001195	1.60883
FLJ30679	2.949065	-0.99864	4.953326	7.80E-05	0.001195	1.608491
GPR45	1.311374	-0.6261	4.952114	7.82E-05	0.001198	1.605804
MAPK12	2.129833	-1.02996	4.951492	7.83E-05	0.001198	1.604427
C20orf54	2.198557	-1.31288	4.95133	7.83E-05	0.001198	1.604067
EOMES	1.530939	-0.55669	5.113479	8.86E-05	0.00129	1.600829
C5orf32	-2.34828	1.198161	-4.94892	7.88E-05	0.001204	1.598728
MAP2K6	-2.40033	1.198621	-4.94679	7.91E-05	0.001209	1.594009
NTN3	2.573683	-1.06183	4.945778	7.93E-05	0.00121	1.591763
ODF4	1.301622	-1.0506	4.945706	7.93E-05	0.00121	1.591604
EPS8L3	1.769011	-0.89806	4.944791	7.95E-05	0.001211	1.589577
THOC7	-0.79232	0.278891	-4.94379	7.97E-05	0.001212	1.587364
ZNF548	1.5491	-0.61672	4.943706	7.97E-05	0.001212	1.58717
C9orf156	-0.80618	0.44963	-4.94252	7.99E-05	0.001212	1.584548
GLS2	0.851268	-0.51913	4.942419	7.99E-05	0.001212	1.584318
BTBD2	1.633466	-0.92928	4.942147	8.00E-05	0.001212	1.583714
CSRP1	-1.58167	1.517102	-4.942	8.00E-05	0.001212	1.583398
FURIN	-1.44578	0.943966	-4.94188	8.00E-05	0.001212	1.583123
CDC7	1.323704	-0.69874	4.941844	8.00E-05	0.001212	1.583042
OR8J1	2.366178	-0.88092	4.940463	8.03E-05	0.001215	1.579983
YIPF4	-1.33004	0.964292	-4.93998	8.04E-05	0.001215	1.578921
TRAK2	1.177761	-0.7061	4.939208	8.05E-05	0.001217	1.5772
C20orf108	2.546332	-1.39747	4.938164	8.07E-05	0.001219	1.574886
PRPF38A	-0.9967	0.572313	-4.93622	8.11E-05	0.001223	1.570582
SEC13	-0.82177	0.594288	-4.93549	8.12E-05	0.001224	1.56896
CSTL1	1.28711	-0.84007	4.934753	8.14E-05	0.001225	1.567324
RANBP6	-1.22306	0.222874	-4.93431	8.14E-05	0.001226	1.566337
ZNF613	-1.456	0.671265	-4.9327	8.17E-05	0.001228	1.562771
NR1H2	-0.98325	0.957565	-4.93265	8.18E-05	0.001228	1.562661
ARHGAP22	1.808792	-0.60228	4.932122	8.19E-05	0.001229	1.561491
CLCN1	1.811929	-0.76755	4.931339	8.20E-05	0.00123	1.559754
HBA2	4.472202	-2.0627	4.974392	8.59E-05	0.001263	1.558989
METTL7A	1.155395	-0.64032	4.93038	8.22E-05	0.001231	1.557627
CXorf48	1.67819	-0.66156	4.93024	8.22E-05	0.001231	1.557317
DCAF5	-0.89398	0.478868	-4.92927	8.24E-05	0.001233	1.555175
FLJ42875	1.296969	-0.69642	4.92835	8.26E-05	0.001235	1.553124
THEM5	1.306926	-0.72348	4.928131	8.26E-05	0.001235	1.552641
TSPAN10	1.450185	-0.64563	4.926588	8.29E-05	0.001238	1.549219

GNRH2	1.237903	-0.78932	4.925619	8.31E-05	0.00124	1.547069
KATNA1	-0.77252	0.385441	-4.92363	8.35E-05	0.001245	1.542652
CDRT15	1.480711	-0.5823	5.083242	9.43E-05	0.001333	1.54096
RNF146	-1.47352	0.847507	-4.92192	8.38E-05	0.001249	1.538862
C18orf12	1.476948	-0.79475	4.921146	8.39E-05	0.001249	1.537148
C9orf50	1.849766	-0.80486	4.921029	8.40E-05	0.001249	1.536888
HGF	-2.37906	1.252608	-4.91973	8.42E-05	0.001251	1.534012
PDE4D	-1.62768	0.343005	-4.91955	8.42E-05	0.001251	1.533605
HAR1A	1.115311	-0.66545	4.919372	8.43E-05	0.001251	1.533214
IGSF9	2.349904	-0.86075	4.918854	8.44E-05	0.001252	1.532064
CDC42EP4	1.391716	-0.71568	4.916896	8.48E-05	0.001255	1.527721
HBXIP	-1.15349	0.449103	-4.91682	8.48E-05	0.001255	1.527545
NOTUM	0.928587	-0.51446	4.916781	8.48E-05	0.001255	1.527465
ZFPL1	-0.87675	0.721789	-4.91567	8.50E-05	0.001256	1.525
EIF5B	1.407765	-0.23615	4.915188	8.51E-05	0.001256	1.523933
MFSD10	-0.88172	0.87008	-4.91483	8.52E-05	0.001256	1.523138
CYP26A1	1.599866	-0.57019	4.914653	8.52E-05	0.001256	1.522745
PPP2R2B	1.343293	-0.90631	4.914568	8.52E-05	0.001256	1.522556
LOC100501	1.056182	-0.85574	4.911795	8.58E-05	0.001263	1.516404
ATP6V1G2	1.472057	-0.8236	4.908597	8.64E-05	0.00127	1.509307
PTPRU	1.513723	-1.02461	4.906908	8.67E-05	0.001274	1.505561
TRIP4	-1.18183	0.878463	-4.90591	8.69E-05	0.001275	1.503338
MKL2	-0.97928	0.307418	-4.90541	8.70E-05	0.001275	1.502241
AK1	1.726978	-0.74727	4.905271	8.71E-05	0.001275	1.501927
RAB11B	-1.46583	1.495902	-4.90495	8.71E-05	0.001275	1.501219
RCHY1	-1.28806	0.334086	-4.90452	8.72E-05	0.001275	1.500257
C7orf49	-0.59745	0.476682	-4.90427	8.73E-05	0.001275	1.499697
PPP4C	-0.78574	0.639064	-4.90412	8.73E-05	0.001275	1.499364
CTDP1	-1.11479	0.878158	-4.90344	8.74E-05	0.001276	1.497864
EIF4H	-0.98567	0.691051	-4.90043	8.80E-05	0.001284	1.491186
PODNL1	0.948278	-0.70685	4.90006	8.81E-05	0.001284	1.490363
IL18RAP	-2.32481	1.379322	-4.89731	8.87E-05	0.00129	1.484248
PLB1	-2.5971	1.776087	-4.89727	8.87E-05	0.00129	1.484179
LRRC4	1.231308	-0.34289	4.939371	9.29E-05	0.001323	1.483928
Mar-05	-1.25084	0.602015	-4.89573	8.90E-05	0.001293	1.480756
SYNPO	1.266982	-0.78632	4.895552	8.90E-05	0.001293	1.480357
MMP27	1.320797	-0.84587	4.9454	9.16E-05	0.001316	1.479935
MEMO1	-0.96866	0.46279	-4.8948	8.92E-05	0.001293	1.47868
IL10RB	-1.70499	0.916004	-4.89447	8.92E-05	0.001293	1.477952
C5orf44	-1.30732	0.295208	-4.89434	8.93E-05	0.001293	1.477659
SHC3	2.263063	-1.05953	4.894251	8.93E-05	0.001293	1.477468
C22orf24	1.316231	-0.63989	4.893318	8.95E-05	0.001295	1.475398
RBBP6	-0.88689	0.785036	-4.89275	8.96E-05	0.001296	1.47414
NECAP2	-0.90488	0.775981	-4.89147	8.99E-05	0.001299	1.471289
BMX	-2.60001	1.566277	-4.89096	9.00E-05	0.001299	1.470173
FSCN2	1.401502	-0.95448	4.890563	9.01E-05	0.001299	1.469281
FBXO22	-0.98162	0.508651	-4.88886	9.04E-05	0.001303	1.465508

UPP1	-3.48356	2.405519	-4.88824	9.05E-05	0.001304	1.464124
TRIP10	0.872556	-0.16433	4.887867	9.06E-05	0.001304	1.463296
TTLL11	-0.84565	0.579186	-4.88558	9.11E-05	0.00131	1.458217
AOC2	0.685035	-0.29061	4.882955	9.16E-05	0.001316	1.452389
KRT32	2.166366	-0.91204	4.881651	9.19E-05	0.001319	1.449493
CSNK1G3	-1.06255	0.317017	-4.88114	9.20E-05	0.00132	1.448366
CYHR1	-1.10977	1.115538	-4.88022	9.22E-05	0.001321	1.446323
SBF2	-1.6483	1.275408	-4.88003	9.23E-05	0.001321	1.445892
C10orf114	1.755217	-1.09077	4.87967	9.23E-05	0.001322	1.445093
CLK3	-1.23461	1.035573	-4.87897	9.25E-05	0.001323	1.443542
SGSM1	1.620371	-0.7085	4.878589	9.26E-05	0.001323	1.442692
LIMD2	-1.17849	1.126945	-4.87795	9.27E-05	0.001323	1.441284
LINC00301	-1.26381	0.280419	-4.87758	9.28E-05	0.001323	1.440447
CD4	1.717876	-0.73641	4.877154	9.29E-05	0.001323	1.439506
SOX21	1.743623	-0.78578	4.876342	9.30E-05	0.001324	1.437703
CCDC53	-1.29456	0.823108	-4.87598	9.31E-05	0.001324	1.436895
OR10A4	2.650976	-1.08816	4.875946	9.31E-05	0.001324	1.436823
ADORA2A	-1.4427	1.181078	-4.87561	9.32E-05	0.001324	1.436072
OR4C3	1.981743	-0.89496	4.874823	9.34E-05	0.001326	1.434328
SLC9A1	-1.61536	1.50743	-4.87342	9.37E-05	0.001329	1.431208
KCNIP2	1.390509	-0.53492	4.872718	9.38E-05	0.00133	1.429654
SCN3B	2.3633	-0.94032	4.871962	9.40E-05	0.001332	1.427973
CYB5D2	-0.77409	0.686746	-4.87147	9.41E-05	0.001332	1.426878
SPRR1A	1.040974	-0.71001	4.870613	9.43E-05	0.001333	1.424976
RABEP1	-1.4274	0.909275	-4.87044	9.43E-05	0.001333	1.424582
TREML2	-1.31383	0.915833	-4.86881	9.47E-05	0.001336	1.420961
LSM6	-1.01777	0.249289	-4.86779	9.49E-05	0.001339	1.418715
BPIFB6	0.999234	-0.30625	4.916733	9.77E-05	0.001359	1.418163
INSIG2	-1.66503	0.722836	-4.86608	9.53E-05	0.001342	1.414912
PIPOX	1.359405	-0.65263	4.86593	9.53E-05	0.001342	1.414574
DAB1	1.11803	-0.69663	4.864746	9.56E-05	0.001345	1.411943
CEBPB	-1.41774	0.837775	-4.86368	9.58E-05	0.001347	1.409565
BRCC3	-0.97577	0.524544	-4.86283	9.60E-05	0.001349	1.407682
STAG3L1	0.81906	-0.71457	4.861683	9.62E-05	0.001351	1.405137
CISH	-1.57169	0.794036	-4.86157	9.63E-05	0.001351	1.404896
YME1L1	-1.05331	0.639722	-4.86129	9.63E-05	0.001351	1.404275
BOK	1.387629	-0.26577	4.859518	9.67E-05	0.001355	1.400327
PIP5KL1	1.403991	-0.75633	4.859392	9.67E-05	0.001355	1.400046
CSPG4	1.080978	-0.34606	4.85838	9.70E-05	0.001357	1.397797
DUSP18	-1.19883	0.967499	-4.85744	9.72E-05	0.001359	1.395708
CASP5	-2.03482	1.376486	-4.8561	9.75E-05	0.001359	1.392726
ENHO	1.39371	-0.64199	4.85576	9.76E-05	0.001359	1.391976
EIF4E	-1.00661	0.450805	-4.85563	9.76E-05	0.001359	1.391687
C19orf38	-1.39296	0.740853	-4.85547	9.76E-05	0.001359	1.391338
MBNL3	1.541406	-1.2261	4.855423	9.76E-05	0.001359	1.391227
GDF7	1.072813	-0.48397	4.855323	9.77E-05	0.001359	1.391003
EGLN2	-1.01056	0.802871	-4.85491	9.77E-05	0.001359	1.39008

LRRC23	-1.0345	0.751846	-4.85467	9.78E-05	0.001359	1.389549
GRB7	1.160324	-0.64887	4.853127	9.81E-05	0.001362	1.386122
ALOX5AP	-2.27736	1.59332	-4.85294	9.82E-05	0.001362	1.385718
GMNN	-1.64818	0.946812	-4.85271	9.82E-05	0.001362	1.385195
TLE6	0.928727	-0.71147	4.852059	9.84E-05	0.001363	1.38375
PSMD11	-0.54411	0.540859	-4.84981	9.89E-05	0.001369	1.37876
EIF2AK1	-1.23046	0.711603	-4.84963	9.89E-05	0.001369	1.378349
AKR1C1	-1.58299	0.430392	-4.84813	9.93E-05	0.001373	1.375012
UNC119	-1.02657	0.863402	-4.84616	9.97E-05	0.001377	1.370643
CCNB1	-1.73197	1.123152	-4.84616	9.97E-05	0.001377	1.370636
LOC10013:	0.970771	-0.6424	4.845038	1.00E-04	0.00138	1.368144
KRTAP12-1	1.642667	-0.98103	4.842718	0.000101	0.001386	1.362986
C15orf38	1.814327	-0.8901	4.841652	0.000101	0.001387	1.360617
LOC38919:	1.197251	-0.6594	4.841522	0.000101	0.001387	1.360327
ZNF205	1.310766	-0.51888	4.841522	0.000101	0.001387	1.360326
SBNO2	-1.40525	1.204824	-4.84099	0.000101	0.001388	1.359135
FETUB	1.955104	-0.85172	4.839377	0.000101	0.001391	1.355557
TYW5	-2.72806	1.126071	-4.83935	0.000101	0.001391	1.355505
NXF1	-0.87615	0.560601	-4.83898	0.000101	0.001391	1.35468
GABPB1	-0.92041	0.564648	-4.83884	0.000101	0.001391	1.354373
FRMD1	1.012266	-0.57246	4.838424	0.000102	0.001391	1.35344
DFNB31	1.344975	-0.59384	4.836778	0.000102	0.001395	1.349779
NIT1	-1.02394	0.654007	-4.83651	0.000102	0.001395	1.349184
USP32P2	1.987246	-0.69384	4.835531	0.000102	0.001397	1.347007
C19orf42	-0.74322	0.318231	-4.83437	0.000102	0.001399	1.344417
KLF7	-1.55171	1.072202	-4.83431	0.000102	0.001399	1.344284
CHST10	1.644602	-0.59787	4.833703	0.000103	0.0014	1.342942
BRD8	-0.6328	0.403875	-4.83339	0.000103	0.0014	1.342241
NTN4	1.014471	-0.1345	4.880653	0.000106	0.001432	1.340325
ARG1	-3.94448	1.947555	-4.83125	0.000103	0.001406	1.337492
MYOZ3	1.338665	-0.7641	4.830783	0.000103	0.001407	1.336448
RNF166	-1.27639	1.031242	-4.82946	0.000104	0.00141	1.333514
PON3	1.783562	-0.83261	4.828203	0.000104	0.001413	1.33071
NEAT1	-1.85535	0.632733	-4.82763	0.000104	0.001414	1.329434
DNAH9	1.338287	-1.07992	4.8755	0.000107	0.001443	1.329201
ZNF418	1.400932	-0.7908	4.824371	0.000105	0.001424	1.322188
LTB4R	-1.5616	0.970722	-4.82369	0.000105	0.001424	1.320668
TNNC1	1.524746	-0.69652	4.823602	0.000105	0.001424	1.320477
PSTPIP2	-2.76518	1.934222	-4.82356	0.000105	0.001424	1.320381
ANKDD1A	0.970185	-0.57066	4.823135	0.000105	0.001424	1.319438
FERMT3	-1.27732	1.063138	-4.82197	0.000105	0.001427	1.316837
LOC10013:	1.707902	-0.77019	4.817526	0.000107	0.00144	1.30696
C10orf28	-0.77947	0.535199	-4.81715	0.000107	0.00144	1.30613
CDK7	-0.7435	0.168639	-4.81681	0.000107	0.00144	1.305369
MAPK14	-2.62571	1.601049	-4.81554	0.000107	0.001443	1.302552
RHBDD2	-1.19326	0.706158	-4.81472	0.000107	0.001444	1.300716
AMPD3	-1.31884	0.488414	-4.81448	0.000107	0.001444	1.300191

RNF122	0.824871	-0.2288	4.813893	0.000107	0.001445	1.298879
LOC100506	1.198726	-0.7923	4.813567	0.000108	0.001445	1.298153
C15orf17	-1.26	0.687366	-4.81283	0.000108	0.001445	1.296506
MTRNR2L6	1.184095	-0.49833	4.812358	0.000108	0.001445	1.295462
LALBA	3.087425	-1.17503	4.812341	0.000108	0.001445	1.295425
CD72	-1.60558	1.443325	-4.81208	0.000108	0.001445	1.294852
MFF	-0.84941	0.354053	-4.81176	0.000108	0.001445	1.294123
EIF4E3	-1.92817	1.445567	-4.81161	0.000108	0.001445	1.293804
LOC100133	-2.4861	1.428208	-4.811	0.000108	0.001446	1.292437
ZFR	-1.19569	0.814156	-4.80958	0.000108	0.001449	1.289289
PMS2L2	-0.97517	0.614774	-4.80953	0.000109	0.001449	1.289167
PRKCDBP	1.591763	-0.70215	4.807737	0.000109	0.001451	1.28518
LOC284446	2.674651	-1.08783	4.807654	0.000109	0.001451	1.284996
CA1	3.681533	-1.79648	4.807575	0.000109	0.001451	1.28482
SDF2	-1.21987	1.001623	-4.80749	0.000109	0.001451	1.284623
CRLS1	-1.02942	0.02618	-4.80744	0.000109	0.001451	1.284518
DPM2	1.876276	-0.71332	4.806911	0.000109	0.001452	1.283342
IRF2	-1.73859	1.463515	-4.80558	0.00011	0.001456	1.28039
GPR32	1.42082	-1.00116	4.80488	0.00011	0.001457	1.278822
HNRNPCL1	-1.8667	0.379245	-4.80365	0.00011	0.00146	1.276081
PSG7	-0.74941	0.152173	-4.80346	0.00011	0.00146	1.275653
ARL8A	-1.54555	1.185517	-4.80219	0.00011	0.001463	1.272825
ACY3	2.075838	-0.76179	4.79966	0.000111	0.00147	1.267205
BRD3	-1.31343	1.151254	-4.79937	0.000111	0.00147	1.266564
TRIM21	-1.25417	1.087747	-4.79918	0.000111	0.00147	1.266128
REEP1	2.113808	-0.94315	4.799014	0.000111	0.00147	1.265766
PPP1R3E	-0.88018	0.799323	-4.79874	0.000111	0.00147	1.265156
ZNF138	1.335536	-0.62668	4.891202	0.00012	0.001545	1.264732
COG5	-0.81443	0.302615	-4.79827	0.000111	0.00147	1.264122
PSG6	-1.72931	0.495795	-4.79814	0.000111	0.00147	1.263824
GNPAT	-0.74107	0.285729	-4.79773	0.000112	0.00147	1.262899
NLK	-1.04411	0.597838	-4.79595	0.000112	0.001475	1.258949
RNF25	-0.88053	0.713884	-4.79563	0.000112	0.001475	1.258227
GLTPD2	1.712958	-0.76674	4.795243	0.000112	0.001475	1.257375
WASH7P	0.957246	-0.58208	4.794914	0.000112	0.001475	1.256641
RTCD1	-1.15605	0.528982	-4.79473	0.000112	0.001475	1.25623
ARHGAP4	-0.71845	0.483313	-4.79448	0.000112	0.001475	1.255671
MSH3	-1.29198	0.469695	-4.79427	0.000112	0.001475	1.255205
TMEM114	1.613009	-0.76125	4.792768	0.000113	0.001479	1.251865
LEPREL1	1.151534	-0.55176	4.831381	0.000118	0.001529	1.251858
BCKDK	-1.20064	0.710588	-4.7924	0.000113	0.001479	1.251054
SAT1	-1.33311	0.850386	-4.79129	0.000113	0.001482	1.248573
C2orf28	-0.73105	0.434392	-4.79021	0.000113	0.001485	1.24616
NR5A1	1.33744	-0.67833	4.789681	0.000114	0.001486	1.244991
KIAA0430	0.951375	-0.712	4.788379	0.000114	0.001489	1.242093
TMEM131	-0.96096	0.296203	-4.78803	0.000114	0.001489	1.24132
C9orf25	1.307237	-0.71268	4.787567	0.000114	0.00149	1.240286

PRB4	1.221878	-0.68026	4.787416	0.000114	0.00149	1.23995
GLT25D1	-1.4447	0.797792	-4.78645	0.000114	0.001492	1.237801
MPP7	-2.04081	1.047047	-4.78599	0.000115	0.001492	1.236781
MAOA	1.356877	-0.7369	4.785502	0.000115	0.001493	1.235688
ODF3L2	1.828435	-0.6612	4.781514	0.000116	0.001506	1.226808
PPAP2C	1.590929	-0.75158	4.781355	0.000116	0.001506	1.226455
CPB2	-1.16357	0.179547	-4.77958	0.000116	0.001511	1.222494
CMAHP	-2.3635	0.971258	-4.77857	0.000117	0.001513	1.220243
KCTD11	0.792844	-0.37652	4.777488	0.000117	0.001516	1.217843
GOS2	-3.49923	1.796013	-4.77601	0.000117	0.00152	1.21456
GNAI2	-1.16286	1.071021	-4.77591	0.000117	0.00152	1.214318
CNPY3	-1.02519	0.850318	-4.77451	0.000118	0.001523	1.2112
OPRD1	1.171751	-0.81038	4.774078	0.000118	0.001524	1.210248
DHFRL1	1.588117	-1.08505	4.771507	0.000118	0.00153	1.204522
FZD1	1.490572	-0.67831	4.771369	0.000118	0.00153	1.204216
SH3BP5	-1.8645	0.972569	-4.77025	0.000119	0.001533	1.20173
SPTA1	1.235584	-0.26473	4.987551	0.000138	0.001667	1.196504
COPS7A	-1.14504	0.858541	-4.76668	0.00012	0.001545	1.19376
ASB16	1.30009	-0.6914	4.766217	0.00012	0.001545	1.192739
ORMDL3	1.944017	-0.64242	4.765543	0.00012	0.001545	1.191237
ATP6V1E1	-1.20803	0.745242	-4.76533	0.00012	0.001545	1.19076
FAM108A1	-0.70742	0.606348	-4.76514	0.00012	0.001545	1.190333
OSTalpha	-3.46074	1.602193	-4.76399	0.000121	0.001549	1.187785
SH3GL2	-0.55932	0.081236	-4.76124	0.000121	0.001557	1.181645
L2HGDH	-1.03188	0.381278	-4.76072	0.000121	0.001558	1.180494
NOXO1	1.557398	-0.64691	4.759765	0.000122	0.00156	1.178365
DUOXA2	1.494042	-0.66992	4.759714	0.000122	0.00156	1.178251
STK3	-1.61346	0.609226	-4.75937	0.000122	0.00156	1.177489
PTPN22	-1.97735	0.939013	-4.75914	0.000122	0.00156	1.176975
MAP7D2	1.224706	-0.58409	4.757077	0.000122	0.001566	1.172376
SEMA3G	0.695744	-0.36739	4.756913	0.000123	0.001566	1.172012
PAX1	1.248949	-0.58594	4.756462	0.000123	0.001566	1.171006
VPS18	0.693915	-0.32814	4.756286	0.000123	0.001566	1.170613
EPM2AIP1	-1.0125	0.263721	-4.75555	0.000123	0.001568	1.168982
ARID5B	-1.20952	1.099138	-4.75521	0.000123	0.001568	1.168222
KLK14	1.02446	-0.65501	4.754604	0.000123	0.001569	1.166866
CTRB2	1.453806	-0.76929	4.754105	0.000123	0.00157	1.165754
LMO1	2.19247	-0.86635	4.753866	0.000123	0.00157	1.165221
POLR1A	1.487755	-0.78882	4.753151	0.000124	0.001571	1.163628
ITPKC	-1.39302	0.788115	-4.7502	0.000124	0.001581	1.157057
PGK1	-1.35005	0.679293	-4.74985	0.000125	0.001581	1.156266
SCFD1	-2.1089	0.928435	-4.74872	0.000125	0.001584	1.153762
VWA1	1.440695	-0.63423	4.746676	0.000125	0.00159	1.149199
C17orf65	1.291783	-0.67676	4.746565	0.000125	0.00159	1.148952
HIST1H2BE	-1.61304	1.529275	-4.74627	0.000126	0.00159	1.148304
SLC5A2	1.312843	-0.68094	4.745911	0.000126	0.001591	1.147496
TCERG1L	1.369023	-0.60688	4.790339	0.00013	0.001619	1.145062

FKBP1A	-2.38033	1.234676	-4.74435	0.000126	0.001595	1.14402
MRPL51	-1.0837	1.025491	-4.74295	0.000127	0.001599	1.140905
AQR	-1.1759	0.782647	-4.74288	0.000127	0.001599	1.140746
COX17	-1.12772	0.925154	-4.74257	0.000127	0.001599	1.14005
ASPHD1	2.209083	-0.87244	4.74094	0.000127	0.001604	1.136415
FTO	1.16343	-0.6014	4.73979	0.000127	0.001607	1.133852
LOC494558	2.12064	-0.88469	4.736915	0.000128	0.001617	1.127443
PANK1	1.708114	-0.71492	4.73663	0.000128	0.001617	1.126808
TDRD9	-2.72336	1.769601	-4.73638	0.000128	0.001617	1.126261
LMAN1L	0.991036	-0.55286	4.735844	0.000129	0.001617	1.125056
TGOLN2	-1.26493	0.811664	-4.73473	0.000129	0.001619	1.122566
C1orf177	1.121331	-0.48898	4.733915	0.000129	0.001619	1.120756
DECR1	-0.88446	0.424248	-4.73367	0.000129	0.001619	1.120201
SMAD2	-0.7555	0.477099	-4.73342	0.000129	0.001619	1.119658
LOC389607	1.120106	-0.65376	4.733406	0.000129	0.001619	1.119621
PRKD2	0.778361	-0.15876	4.733378	0.000129	0.001619	1.119559
C7orf11	-0.91083	0.483891	-4.73289	0.000129	0.001619	1.118482
SFTA2	2.083731	-0.79233	4.732811	0.00013	0.001619	1.118295
LOC157746	1.951409	-0.7828	4.732771	0.00013	0.001619	1.118204
KRTDAP	2.371631	-1.4938	4.820499	0.00014	0.001687	1.117199
ITLN2	1.382359	-0.55336	4.731041	0.00013	0.001623	1.114349
MAP3K8	-1.56375	0.546476	-4.73101	0.00013	0.001623	1.114276
TRIM11	-0.86668	0.404695	-4.7302	0.00013	0.001625	1.112478
LIMK2	-2.11889	1.457783	-4.72937	0.000131	0.001627	1.110627
GRB10	-2.16735	1.288922	-4.72879	0.000131	0.001628	1.109327
RNF38	-1.18396	0.598151	-4.728	0.000131	0.001629	1.10757
DLK2	1.173364	-0.82348	4.727989	0.000131	0.001629	1.107543
CMTM3	-1.43833	1.13825	-4.72788	0.000131	0.001629	1.107306
C19orf50	-1.24725	1.006201	-4.72698	0.000131	0.001631	1.105304
CD22	-1.67976	1.761844	-4.72628	0.000131	0.001632	1.103735
IGBP1	-1.00359	0.582582	-4.7262	0.000132	0.001632	1.103547
ACTR3	-1.74651	0.954449	-4.72541	0.000132	0.001633	1.101804
OTOS	1.872867	-0.81731	4.724948	0.000132	0.001633	1.100764
SSH3	-1.45432	1.28091	-4.72492	0.000132	0.001633	1.100702
CLDN17	1.773866	-0.73935	4.724701	0.000132	0.001633	1.100213
TMEM14A	1.796779	-0.74532	4.724391	0.000132	0.001633	1.099522
CLCNKA	1.752624	-0.85844	4.723272	0.000132	0.001633	1.097027
CDK5RAP3	-0.87592	0.5686	-4.72309	0.000132	0.001633	1.096614
CD82	-1.44604	0.882621	-4.72295	0.000133	0.001633	1.096312
UTP11L	-0.93638	0.658026	-4.72294	0.000133	0.001633	1.096282
LAPTM5	-1.32769	0.930014	-4.72289	0.000133	0.001633	1.096185
MFAP2	1.948762	-0.89823	4.722759	0.000133	0.001633	1.095881
CST7	-2.7523	1.541017	-4.72232	0.000133	0.001633	1.094911
KISS1R	1.131649	-0.62847	4.722014	0.000133	0.001633	1.094222
ELFN1	1.29421	-0.6645	4.721938	0.000133	0.001633	1.094053
FGF9	0.921949	-0.9405	4.72171	0.000133	0.001633	1.093543
DMBX1	1.334587	-0.603	4.766361	0.000137	0.001661	1.093124

TRIM58	2.844456	-1.37983	4.720746	0.000133	0.001636	1.091393
LOC643650	-0.87766	0.178827	-4.71912	0.000134	0.001641	1.087761
PRR5-ARH1	1.702625	-0.66667	4.718443	0.000134	0.001643	1.086257
C17orf78	-1.59737	0.295895	-4.71807	0.000134	0.001643	1.085417
AP2A2	-0.79353	0.748039	-4.71657	0.000134	0.001648	1.082091
NEUROG3	1.959787	-0.76398	4.716224	0.000135	0.001648	1.081308
ERLIN1	-2.41507	1.040776	-4.71502	0.000135	0.00165	1.078626
TARS	-1.13843	0.745771	-4.71497	0.000135	0.00165	1.078522
ATOH7	-1.04539	0.255024	-4.71484	0.000135	0.00165	1.078213
SOCS1	-1.98496	1.227549	-4.71407	0.000135	0.001652	1.076515
ITGB1BP1	-0.58834	0.266873	-4.71374	0.000135	0.001652	1.075773
OR4N4	-1.21385	0.120713	-4.71209	0.000136	0.001658	1.072099
PTPLA	1.553798	-1.00031	4.711592	0.000136	0.001658	1.070979
LOC100290	0.843041	-0.41876	4.711277	0.000136	0.001658	1.070277
G6PC2	1.974818	-0.82297	4.711141	0.000136	0.001658	1.069973
NOS3	1.029608	-0.47767	4.710297	0.000136	0.00166	1.06809
SLC12A9	-0.91229	0.591264	-4.70939	0.000137	0.001661	1.066063
PLEKHM2	-0.87335	0.893225	-4.70929	0.000137	0.001661	1.065853
TBCB	-0.67102	0.304572	-4.70855	0.000137	0.001662	1.0642
LOC729603	-1.65743	1.609635	-4.70832	0.000137	0.001662	1.063672
N4BP2L2	-1.94633	1.174049	-4.70817	0.000137	0.001662	1.063344
GUCA1C	3.282862	-0.68743	4.907515	0.000162	0.001822	1.056507
C18orf34	-1.11708	0.001518	-4.70322	0.000139	0.001679	1.052311
HYAL1	-1.29212	0.725701	-4.70286	0.000139	0.00168	1.051492
CTSA	-1.55959	1.263274	-4.70164	0.000139	0.001683	1.048789
SLC39A13	-0.72	0.50181	-4.70005	0.00014	0.001687	1.045242
HNRNPA1	-0.9599	0.694402	-4.69998	0.00014	0.001687	1.045086
RAPGEF3	1.293994	-0.67311	4.699887	0.00014	0.001687	1.044869
TINF2	-0.50138	0.184103	-4.69928	0.00014	0.001687	1.043522
SLC7A13	2.142025	-0.80659	4.742876	0.000144	0.001708	1.042217
PNMAL2	1.452454	-0.7079	4.698439	0.00014	0.001689	1.041637
PRPS1	1.037481	-0.62296	4.698353	0.00014	0.001689	1.041446
SNX17	-0.91825	0.651502	-4.69818	0.00014	0.001689	1.041067
POU3F1	1.011875	-0.63486	4.697765	0.00014	0.001689	1.040134
PTH2	1.298812	-0.67567	4.697263	0.000141	0.001689	1.039015
LOC100651	-2.85249	1.50933	-4.69709	0.000141	0.001689	1.038628
DNASE1L1	-1.18889	0.563994	-4.69688	0.000141	0.001689	1.038161
MED6	-0.67819	0.337716	-4.69669	0.000141	0.001689	1.037742
DUSP4	1.511346	-0.6208	4.695335	0.000141	0.001693	1.034713
PEX5L	-1.18224	0.354756	-4.69517	0.000141	0.001693	1.034338
FOXH1	2.33452	-1.01569	4.69496	0.000141	0.001693	1.033876
GAGE1	-1.12411	0.285077	-4.69417	0.000142	0.001695	1.032112
PCMTD2	-2.73333	1.775381	-4.69349	0.000142	0.001697	1.030597
ADAMTSL2	1.362859	-0.94688	4.692591	0.000142	0.001698	1.028589
ILKAP	-0.82668	0.595028	-4.69251	0.000142	0.001698	1.028407
CCDC24	-1.0997	1.016488	-4.69225	0.000142	0.001698	1.027824
PARK2	-1.35868	0.245533	-4.69181	0.000142	0.001699	1.026851

WDR45	1.16287	-0.61709	4.691362	0.000143	0.0017	1.025846
IRAK4	-1.73135	0.562227	-4.69113	0.000143	0.0017	1.025338
KRTAP3-1	1.38035	-0.6656	4.689772	0.000143	0.001704	1.022299
TSNAX	-1.84353	0.900523	-4.68956	0.000143	0.001704	1.021817
SSC5D	1.26603	-0.67222	4.68868	0.000143	0.001705	1.019863
C8orf76	-0.95212	0.300602	-4.68867	0.000143	0.001705	1.019831
MICAL2	2.039652	-0.85487	4.688471	0.000143	0.001705	1.019396
HOXD13	0.942589	-0.68244	4.687949	0.000144	0.001705	1.018231
IRAK2	0.98443	-0.78685	4.687768	0.000144	0.001705	1.017828
RBMX2	-0.7683	0.631161	-4.68762	0.000144	0.001705	1.017506
NME2P1	0.868166	-0.59452	4.685819	0.000144	0.00171	1.013478
ZNF79	-0.67579	0.754842	-4.68522	0.000145	0.001712	1.012143
SEC22B	-0.86404	0.536643	-4.68476	0.000145	0.001712	1.011109
ZDHHC20	-2.34018	0.973656	-4.68446	0.000145	0.001713	1.010442
TMEM151	1.070591	-0.63915	4.68391	0.000145	0.001714	1.009218
CCR5	1.477715	-0.89811	4.683047	0.000145	0.001715	1.007292
PMCHL1	-1.61293	0.338901	-4.68286	0.000145	0.001715	1.006882
GRB2	-1.47306	0.930756	-4.68261	0.000145	0.001715	1.006324
RPLP2	1.925755	-1.54132	4.682456	0.000145	0.001715	1.005973
DRG1	-0.7342	0.558468	-4.68228	0.000146	0.001715	1.005574
LOC387723	1.58092	-0.77643	4.680722	0.000146	0.00172	1.002103
NHLRC3	-1.0808	0.333783	-4.67923	0.000147	0.001725	0.998778
SEZ6L2	1.233525	-0.68435	4.678623	0.000147	0.001726	0.997417
ZC3H12A	-1.55752	1.187689	-4.67791	0.000147	0.001728	0.995832
CD300LB	1.097566	-0.29763	4.676763	0.000147	0.001732	0.993266
CIRBP	-0.89368	0.471504	-4.6761	0.000148	0.001733	0.991788
KLF17	0.917496	-0.37987	4.760186	0.00016	0.001819	0.991014
DKFZp761f	-1.03032	0.208614	-4.67521	0.000148	0.001735	0.989809
ALOX12P2	1.01416	-0.42095	4.675212	0.000148	0.001735	0.989803
RDH5	-1.17099	0.95229	-4.67318	0.000149	0.001742	0.985272
GOPC	-0.7952	0.508126	-4.67241	0.000149	0.001744	0.98356
TMCC3	1.188995	-0.40163	4.670589	0.00015	0.001747	0.979484
JKAMP	-1.24895	0.283258	-4.67041	0.00015	0.001747	0.979096
ANKRD10	-0.89511	0.671255	-4.67025	0.00015	0.001747	0.978734
CRYBA4	2.001046	-0.82683	4.670213	0.00015	0.001747	0.978646
OR10A5	1.168129	-0.59284	4.67014	0.00015	0.001747	0.978483
CYP24A1	1.870762	-0.79141	4.669671	0.00015	0.001747	0.977435
SOX3	1.407237	-0.35503	4.66966	0.00015	0.001747	0.97741
FMO5	0.995186	-0.49993	4.669613	0.00015	0.001747	0.977306
STRADB	2.794668	-1.45651	4.668343	0.00015	0.001751	0.974471
ALOXE3	1.357288	-0.67996	4.667662	0.000151	0.001753	0.97295
MDH1B	-1.04688	0.172786	-4.71032	0.000155	0.001787	0.971581
FUT7	-2.02894	1.334782	-4.66597	0.000151	0.001759	0.969165
POFUT2	-1.04469	0.940045	-4.664	0.000152	0.001766	0.964765
HCN4	1.029545	-0.68387	4.662596	0.000152	0.00177	0.961641
NPTN	-1.5045	0.728411	-4.66253	0.000152	0.00177	0.961495
ACTL6B	0.71832	-0.45502	4.662057	0.000153	0.001771	0.960437

EHMT1	-1.08215	1.013442	-4.66095	0.000153	0.001774	0.957968
FAM110B	-1.70021	0.658314	-4.66031	0.000153	0.001774	0.956527
VRK2	-1.16668	0.246219	-4.66029	0.000153	0.001774	0.956499
C2orf47	-0.94542	0.391261	-4.66014	0.000153	0.001774	0.956159
ABCC4	1.334294	-0.3765	4.659338	0.000153	0.001776	0.954366
LDHD	1.35029	-0.73966	4.659082	0.000154	0.001776	0.953794
CRADD	-0.8769	0.425044	-4.65707	0.000154	0.001784	0.94931
TSPO	-1.56146	0.991055	-4.65671	0.000154	0.001784	0.948504
ECE1	-1.73625	1.250069	-4.65649	0.000155	0.001784	0.948018
SLC9A5	0.74509	-0.4342	4.655867	0.000155	0.001785	0.946615
C5orf22	-0.72965	0.205282	-4.65508	0.000155	0.001787	0.944849
PLEKHB2	-1.11259	0.753215	-4.65435	0.000155	0.001789	0.943232
LOC64320	1.863562	-0.90133	4.653866	0.000155	0.00179	0.942147
SIRPD	-1.85702	1.076968	-4.65352	0.000156	0.00179	0.941382
FBXL22	1.068487	-0.53145	4.651747	0.000156	0.001796	0.937416
DNAJC12	1.201449	-0.18871	4.651619	0.000156	0.001796	0.937129
SPINK7	1.035171	-0.56162	4.650195	0.000157	0.001801	0.933948
PIK3AP1	-2.1805	1.462791	-4.64811	0.000158	0.001807	0.929295
MANBAL	-0.45364	0.245806	-4.64811	0.000158	0.001807	0.929286
C20orf141	1.426272	-0.82042	4.647091	0.000158	0.00181	0.927017
LOC72944	-0.87339	0.284224	-4.64589	0.000158	0.001814	0.924344
GALE	-0.79013	0.491106	-4.64509	0.000159	0.001817	0.922543
RNF141	-1.31918	0.806811	-4.64453	0.000159	0.001817	0.921307
EGFL6	1.104818	-0.5034	4.644513	0.000159	0.001817	0.92126
HMGCS1	-1.12667	0.602154	-4.64413	0.000159	0.001817	0.920397
UGCG	-2.42474	1.355251	-4.64394	0.000159	0.001817	0.919972
MAGEA6	1.436659	-0.72313	4.642874	0.000159	0.001819	0.917598
LOC100506	0.967027	-0.5992	4.642736	0.00016	0.001819	0.917291
ALKBH1	-0.52172	0.398232	-4.64216	0.00016	0.00182	0.916015
PTGDS	2.08316	-1.22613	4.642116	0.00016	0.00182	0.915904
LOC72991	-2.17485	1.44143	-4.64183	0.00016	0.00182	0.91526
SLC41A3	1.44712	-0.88334	4.641406	0.00016	0.001821	0.91432
EXT1	-1.76046	1.178141	-4.641	0.00016	0.001821	0.913408
CADPS2	2.174524	-0.81611	4.640289	0.00016	0.001822	0.911824
MIER2	1.175392	-0.39903	4.640173	0.00016	0.001822	0.911566
COL11A2	1.550938	-0.89418	4.639959	0.000161	0.001822	0.911088
SLC34A2	-1.27963	0.122824	-4.63937	0.000161	0.001822	0.90978
RAD51B	2.010423	-0.89663	4.63918	0.000161	0.001822	0.909348
TDRD10	-1.52984	0.450893	-4.63887	0.000161	0.001822	0.908653
PRRC2A	-1.21258	1.286273	-4.63852	0.000161	0.001822	0.907863
KRTAP1-5	1.992119	-0.68521	4.638411	0.000161	0.001822	0.90763
SLC6A10P	2.582801	-1.03253	4.638321	0.000161	0.001822	0.907429
RLIM	-1.16427	0.610938	-4.63825	0.000161	0.001822	0.90728
ZNF440	-0.76466	0.298028	-4.63735	0.000162	0.001822	0.905258
CYTH4	-1.81187	1.033182	-4.63728	0.000162	0.001822	0.905101
RQCD1	-0.73084	0.498715	-4.63725	0.000162	0.001822	0.905037
IL1R2	-4.10913	2.035715	-4.6372	0.000162	0.001822	0.904927

LRRC41	-0.97573	1.079934	-4.63632	0.000162	0.001824	0.902963
RHOV	1.902729	-0.81676	4.63598	0.000162	0.001824	0.9022
THY1	1.401203	-0.83298	4.635203	0.000162	0.001827	0.900463
CACNA1A	1.499774	-0.67373	4.634384	0.000163	0.001829	0.898634
HEATR7B2	0.918165	-0.27115	4.634271	0.000163	0.001829	0.898381
RAPSN	1.691407	-0.58793	4.633221	0.000163	0.001829	0.896036
SRBD1	-1.00212	0.627885	-4.63301	0.000163	0.001829	0.895569
MSLNL	1.848303	-0.84716	4.632962	0.000163	0.001829	0.895458
MED20	-0.84404	0.521551	-4.63292	0.000163	0.001829	0.895365
FBXO18	-0.7631	0.737164	-4.63283	0.000163	0.001829	0.895166
HOOK2	-0.76383	0.664095	-4.6325	0.000163	0.00183	0.89442
CAMK2N2	0.914099	-0.55815	4.632269	0.000163	0.00183	0.893909
ACSS2	-1.23393	0.781009	-4.63163	0.000164	0.001831	0.892482
TNFSF9	1.300192	-0.77498	4.630597	0.000164	0.001835	0.890173
FBXL6	-0.73541	0.6789	-4.62926	0.000165	0.001839	0.887182
PDLIM3	-1.48182	0.296365	-4.6291	0.000165	0.001839	0.886828
PRRG3	1.338995	-0.57252	4.62849	0.000165	0.001841	0.885467
KIF19	1.27819	-0.53582	4.627764	0.000165	0.001842	0.883844
FLJ38773	0.910596	-0.23541	4.627617	0.000165	0.001842	0.883517
B3GALT2	2.072731	-0.83575	4.627155	0.000165	0.001843	0.882484
GNAO1	0.887495	-0.37613	4.626046	0.000166	0.001846	0.880006
FOXL1	1.233305	-0.65196	4.625801	0.000166	0.001846	0.879459
APOBEC3B	-1.72646	1.328201	-4.6258	0.000166	0.001846	0.879453
FLJ23865	0.885324	-0.51113	4.625021	0.000166	0.001848	0.877717
LOC729866	-1.05109	0.030198	-4.66683	0.000171	0.001875	0.877151
LILRB2	-1.50842	0.91457	-4.62397	0.000167	0.001851	0.875362
SBK2	1.700665	-0.74965	4.623469	0.000167	0.001852	0.874249
ARHGEF16	1.974709	-0.83321	4.623263	0.000167	0.001852	0.873787
PABPC4L	1.985693	-0.67311	4.623071	0.000167	0.001852	0.873359
TXNDC17	-1.59042	0.547249	-4.62263	0.000167	0.001852	0.872373
CST2	1.392284	-0.9005	4.622305	0.000167	0.001852	0.871648
DENND2C	-1.79183	0.450906	-4.62227	0.000167	0.001852	0.871578
FOXD3	0.714962	-0.69972	4.622074	0.000167	0.001852	0.871132
C1orf170	1.787714	-0.73341	4.621269	0.000168	0.001855	0.869334
LCE1D	0.982972	-0.60492	4.617439	0.000169	0.001869	0.860774
GSTK1	-0.81995	0.30955	-4.61738	0.000169	0.001869	0.860632
C8orf55	1.254416	-0.58512	4.617063	0.000169	0.00187	0.859934
ISLR	1.171476	-0.72088	4.616465	0.00017	0.00187	0.858599
LOC100506	0.671463	-0.3108	4.616374	0.00017	0.00187	0.858394
OR10G8	1.914576	-0.74777	4.615983	0.00017	0.00187	0.857522
OBP2B	2.278245	-0.7267	4.615698	0.00017	0.00187	0.856884
LOC339246	1.231474	-0.64308	4.615692	0.00017	0.00187	0.856871
ZNF691	-0.62548	0.552339	-4.61522	0.00017	0.001871	0.855808
LOC100285	1.727576	-0.84629	4.614766	0.00017	0.001872	0.854802
PIGF	-1.14012	0.454659	-4.61458	0.00017	0.001872	0.854382
LCE3D	1.629858	-0.77967	4.614235	0.00017	0.001872	0.853615
ITGB7	1.61863	-0.66087	4.614048	0.00017	0.001872	0.853198

ANKRD53	1.288508	-0.56024	4.6137	0.000171	0.001873	0.85242
TOR1AIP1	-1.64848	1.163912	-4.61295	0.000171	0.001875	0.850751
COL4A2	0.909715	-0.60013	4.61162	0.000171	0.001879	0.847771
TDH	-1.89917	0.615086	-4.61021	0.000172	0.001884	0.844613
FLJ45340	-1.29402	0.887309	-4.60976	0.000172	0.001885	0.843623
NLRP14	1.736241	-0.77275	4.609259	0.000172	0.001885	0.842495
CXCL16	-1.43212	0.445884	-4.60924	0.000172	0.001885	0.842461
PATL1	-1.23746	0.814178	-4.60798	0.000173	0.001889	0.83963
JAK3	-1.11719	0.793086	-4.60745	0.000173	0.00189	0.838453
LRP3	1.375874	-0.68305	4.606747	0.000173	0.001892	0.836881
MXRA8	1.068416	-0.55481	4.605591	0.000174	0.001896	0.834298
TCF21	2.290141	-0.7021	4.603384	0.000175	0.001905	0.829363
RFC2	-0.92922	0.743406	-4.60167	0.000175	0.001912	0.825537
SLTM	-0.68896	0.301929	-4.60131	0.000176	0.001912	0.824719
FLJ43860	1.535052	-0.74679	4.6009	0.000176	0.001913	0.823812
CAPN10	-1.0422	0.809152	-4.59871	0.000177	0.001921	0.818925
GPR183	1.678518	-1.42727	4.598521	0.000177	0.001921	0.818494
HBS1L	-0.80748	0.093813	-4.59818	0.000177	0.001922	0.817729
GNG5	-1.16346	0.859974	-4.59744	0.000177	0.001924	0.816087
NOTCH3	1.580539	-0.93764	4.629376	0.000186	0.001982	0.815534
IL9	1.599941	-0.2681	4.638485	0.000182	0.001963	0.815525
KDM5B	-0.98294	1.093142	-4.59645	0.000178	0.001927	0.813874
PRM2	1.266288	-0.85327	4.636639	0.000183	0.001967	0.811511
RNF148	-1.46577	0.243837	-4.62712	0.000187	0.001987	0.810658
RB1	-1.29435	0.560493	-4.59484	0.000178	0.001933	0.810257
C9orf131	-1.05183	0.771761	-4.59466	0.000178	0.001933	0.809856
CWC25	-0.77299	0.68959	-4.59364	0.000179	0.001937	0.807586
KBTBD5	2.378935	-0.77682	4.592453	0.000179	0.001941	0.804929
CEACAM3	-1.79568	1.267843	-4.59233	0.000179	0.001941	0.804647
ELSPBP1	0.967288	-0.2664	4.848687	0.000218	0.002174	0.803266
LOC22144	-1.49829	0.956962	-4.59148	0.00018	0.001943	0.802761
DEDD	-0.79405	0.644642	-4.58957	0.00018	0.001951	0.79849
FLJ11235	-0.68007	0.231398	-4.58915	0.000181	0.001952	0.797554
STXBP3	-1.4301	0.486414	-4.58756	0.000181	0.001958	0.793996
CALY	1.533088	-0.64363	4.586895	0.000182	0.00196	0.792504
SCT	0.891174	-0.2633	4.585866	0.000182	0.001963	0.790204
SPTBN2	0.848403	-0.52731	4.585701	0.000182	0.001963	0.789833
ZNF565	-0.74535	0.464282	-4.58548	0.000182	0.001963	0.789334
C20orf46	1.069098	-0.57537	4.584986	0.000182	0.001963	0.788237
CNIH4	-1.78339	0.365193	-4.58442	0.000183	0.001964	0.786981
DDN	1.198763	-0.58751	4.584034	0.000183	0.001965	0.786108
DNAH2	1.839128	-0.63719	4.582455	0.000183	0.00197	0.782576
TTBK1	1.554388	-0.81847	4.581462	0.000184	0.001974	0.780356
AUP1	-0.79906	0.586782	-4.58072	0.000184	0.001975	0.778705
SMR3A	1.55655	-0.8287	4.580662	0.000184	0.001975	0.778568
MOB1A	-0.87199	0.521323	-4.58055	0.000184	0.001975	0.778315
TBC1D15	-1.04764	0.214134	-4.58018	0.000184	0.001975	0.777484

TAF10	-0.63153	0.456392	-4.57999	0.000184	0.001975	0.777058
TBC1D3P2	1.424957	-0.61106	4.579406	0.000185	0.001976	0.775759
PNPLA6	-1.301	0.754731	-4.57925	0.000185	0.001976	0.775408
RAB40C	-1.19206	1.015387	-4.57874	0.000185	0.001977	0.774279
MYL12B	-1.31473	0.819829	-4.57836	0.000185	0.001978	0.773418
HBQ1	3.056824	-1.01024	4.578088	0.000185	0.001978	0.772811
CA14	1.34019	-0.73283	4.577887	0.000185	0.001978	0.772362
BCAT1	1.026936	-0.45347	4.577088	0.000186	0.001981	0.770577
CCDC54	-0.60415	0.258299	-4.57662	0.000186	0.001982	0.769521
PIGK	-1.98118	0.405329	-4.57546	0.000186	0.001985	0.76694
IRAK1	0.989608	-0.43432	4.575279	0.000186	0.001985	0.76653
GABRA3	2.014005	-0.79153	4.574077	0.000187	0.001987	0.763844
C7orf44	-1.14899	0.610439	-4.57389	0.000187	0.001987	0.763421
TRIM22	-2.39296	1.379228	-4.5735	0.000187	0.001987	0.762559
CCR1	-2.03837	1.306898	-4.57342	0.000187	0.001987	0.762381
PACRG	1.804605	-0.86191	4.573254	0.000187	0.001987	0.762003
C4orf34	-1.29067	0.386339	-4.57296	0.000187	0.001987	0.761348
HYAL2	-0.99335	0.30493	-4.57289	0.000188	0.001987	0.761179
GRINA	-1.51616	0.996769	-4.57268	0.000188	0.001987	0.760714
FAM105A	-1.62689	0.383565	-4.57222	0.000188	0.001988	0.759688
KRTAP10-1	0.82097	-0.64179	4.571957	0.000188	0.001988	0.759102
TDRD5	1.245924	-0.34271	4.570599	0.000189	0.001993	0.756065
ARHGEF10	2.11839	-0.80692	4.570512	0.000189	0.001993	0.755872
C9orf140	-1.24929	0.707606	-4.56961	0.000189	0.001995	0.753849
TRPM8	1.373612	-0.28969	4.569596	0.000189	0.001995	0.753823
GGH	-1.70463	0.983879	-4.56901	0.000189	0.001996	0.752511
IRF2BP1	1.324494	-0.40194	4.568473	0.000189	0.001996	0.75131
UCN2	1.270473	-0.73516	4.568276	0.00019	0.001996	0.75087
SLC36A3	1.504465	-0.82911	4.568102	0.00019	0.001996	0.750482
SLC26A10	2.357211	-0.86656	4.568069	0.00019	0.001996	0.750408
PKLR	1.708915	-0.53575	4.565927	0.000191	0.002005	0.745617
BPIFA3	1.253918	-1.23017	4.606326	0.000196	0.002042	0.745566
NMNAT2	-1.36455	0.132804	-4.64309	0.000206	0.002105	0.745235
MAP3K1	-1.05892	0.621203	-4.56531	0.000191	0.002007	0.74424
ASH2L	-0.67379	0.380433	-4.56305	0.000192	0.002015	0.739188
XCR1	1.081283	-0.54216	4.563008	0.000192	0.002015	0.739087
LOC100506	1.49517	-0.57593	4.562858	0.000192	0.002015	0.738752
GMEB2	-0.59531	0.327741	-4.56204	0.000192	0.002017	0.736923
KLHDC3	-0.88537	0.75167	-4.56195	0.000192	0.002017	0.736716
MGC21881	-1.40734	0.926038	-4.56032	0.000193	0.002024	0.733067
CRP	1.40034	-0.64916	4.559169	0.000194	0.002028	0.730502
FLJ31715	2.063296	-0.79877	4.558934	0.000194	0.002028	0.729976
MUT	-1.17271	0.336258	-4.55786	0.000194	0.002031	0.727565
ELL2	-1.69809	0.342858	-4.55785	0.000194	0.002031	0.727562
FGF4	1.617537	-0.59308	4.557279	0.000194	0.002033	0.726273
BST1	-1.87509	1.040708	-4.55678	0.000195	0.002034	0.725156
KIAA0040	-1.30897	1.036079	-4.55608	0.000195	0.002036	0.723582

PBXIP1	0.978046	-0.30353	4.555773	0.000195	0.002036	0.722906
ZNF841	-0.78514	0.439616	-4.55576	0.000195	0.002036	0.722876
LGALS2	3.601813	-1.65237	4.585093	0.000206	0.002102	0.719558
DUSP15	1.74186	-0.84807	4.554263	0.000196	0.002042	0.719528
DPPA5	2.219266	-1.42677	4.619611	0.000217	0.00217	0.717682
SPDYE4	1.370783	-0.99121	4.591837	0.000202	0.002089	0.714029
TBCE	-1.00602	0.535655	-4.55132	0.000197	0.002054	0.712934
NLRP10	0.564551	-0.12833	4.550989	0.000197	0.002054	0.712205
TCEANC	1.469618	-0.89842	4.549556	0.000198	0.00206	0.708998
ANKRD30B	-1.68622	0.808128	-4.58927	0.000204	0.002095	0.708433
CALHM2	1.521708	-0.52007	4.548603	0.000198	0.002061	0.706867
GMPR	2.945284	-1.08909	4.548392	0.000198	0.002061	0.706395
ADCK4	-1.64852	1.237156	-4.54814	0.000199	0.002061	0.705841
CBLL1	1.627472	-1.03476	4.547976	0.000199	0.002061	0.705464
GPX2	1.213823	-0.66684	4.547935	0.000199	0.002061	0.705372
KLF6	-1.91172	1.230923	-4.54782	0.000199	0.002061	0.705104
DSCR8	2.260711	-1.48222	4.623742	0.000215	0.00216	0.704518
RTN1	2.029024	-0.81544	4.547266	0.000199	0.002063	0.703875
CTIF	1.272761	-0.45743	4.546994	0.000199	0.002063	0.703268
NACC2	-1.14048	0.733094	-4.54661	0.000199	0.002064	0.702402
KIAA0415	-0.57483	0.414345	-4.54574	0.0002	0.002067	0.700456
HAO2	-1.13067	0.174314	-4.54513	0.0002	0.002069	0.699089
TBX2	1.086949	-0.93913	5.091936	0.000275	0.002511	0.698858
RPL36	1.606213	-1.234	4.544096	0.0002	0.002073	0.696784
PPP1R14D	1.184914	-0.56609	4.543139	0.000201	0.002075	0.694643
FAM48A	-0.89054	0.625638	-4.54309	0.000201	0.002075	0.694541
EIF3B	1.198306	-0.53546	4.542387	0.000201	0.002078	0.69296
OR51E1	-0.96054	0.264951	-4.57081	0.000212	0.002143	0.688571
NPHP3	-1.24104	0.487118	-4.53905	0.000203	0.002092	0.685495
BRWD3	-1.02419	0.926098	-4.5387	0.000203	0.002092	0.684705
SPPL2A	-1.49705	0.352894	-4.53771	0.000203	0.002095	0.682492
IL31RA	-1.45536	0.437796	-4.53752	0.000204	0.002095	0.68208
FAM127A	-0.8638	0.754544	-4.53675	0.000204	0.002095	0.680342
KRT9	0.894051	-0.63541	4.536539	0.000204	0.002095	0.679876
ICAM1	-1.37205	0.804817	-4.53653	0.000204	0.002095	0.679856
NMNAT1	-1.24285	0.98267	-4.53647	0.000204	0.002095	0.679717
METTL7B	-2.32264	1.367627	-4.53611	0.000204	0.002096	0.678922
EPB42	3.356621	-1.04071	4.566271	0.000214	0.002157	0.678734
TMSB10	1.132853	-0.88573	4.535541	0.000204	0.002096	0.677644
FLAD1	-0.76928	0.793995	-4.53533	0.000205	0.002096	0.67716
HNF1A-AS1	2.158899	-0.86112	4.535211	0.000205	0.002096	0.676906
OR7G3	1.465436	-0.71261	4.535144	0.000205	0.002096	0.676755
HAUS4	-1.85805	1.253452	-4.53469	0.000205	0.002097	0.675749
REEP6	1.038048	-0.5385	4.534657	0.000205	0.002097	0.675667
FAM7A1	-1.76972	1.060028	-4.53195	0.000206	0.002106	0.669616
LOC100652	-1.45089	0.815985	-4.53185	0.000206	0.002106	0.669391
HIST1H2BJ	-0.52404	0.072119	-4.53066	0.000207	0.002111	0.666717

FAM188A	-1.4305	0.521663	-4.53039	0.000207	0.002111	0.666123
TEX101	0.870883	-0.59556	4.528881	0.000208	0.002115	0.662742
CSN1S1	1.99833	-0.64365	4.528631	0.000208	0.002115	0.662181
CD300LF	-1.89734	0.98804	-4.52858	0.000208	0.002115	0.662076
ZNF589	-0.6921	0.61363	-4.5284	0.000208	0.002115	0.661663
NAA60	-1.38984	1.152059	-4.52825	0.000208	0.002115	0.661325
PGS1	-1.03703	0.825816	-4.52819	0.000208	0.002115	0.661202
SELM	1.779812	-1.06288	4.526999	0.000209	0.00212	0.65853
SOX1	0.956191	-0.50541	4.526812	0.000209	0.00212	0.658112
RIOK1	-0.91267	0.675171	-4.52517	0.000209	0.002127	0.654431
NT5C1A	1.738372	-1.07111	4.56391	0.000216	0.002164	0.653213
FAM194A	-0.47299	0.226656	-4.52431	0.00021	0.002129	0.652502
CCNH	-1.21058	0.46067	-4.52418	0.00021	0.002129	0.652223
MYL10	0.999917	-0.80878	4.522741	0.000211	0.002135	0.649001
WIP1	-1.76754	0.87344	-4.52177	0.000211	0.002138	0.64682
UNC50	-0.92232	0.322682	-4.52171	0.000211	0.002138	0.646693
PSMD5	-0.9984	0.616251	-4.52089	0.000212	0.00214	0.644849
HSD17B1	-0.62065	0.508871	-4.52079	0.000212	0.00214	0.644637
HSF4	0.894442	-0.27315	4.520313	0.000212	0.002142	0.643567
SRPR	-0.90151	0.415608	-4.51932	0.000212	0.002143	0.641343
WFDC10B	0.848062	-0.54911	4.519171	0.000212	0.002143	0.641013
CPA3	1.426929	-0.84704	4.519136	0.000212	0.002143	0.640933
NIN	-1.23509	0.845221	-4.5179	0.000213	0.002147	0.638162
REEP3	-1.26736	0.888607	-4.51787	0.000213	0.002147	0.638109
DNAJC8	-0.85644	0.674416	-4.51737	0.000213	0.002149	0.636975
C1QL1	1.277309	-0.48732	4.516777	0.000214	0.002151	0.635655
GGT3P	-1.50176	0.900871	-4.51536	0.000214	0.002156	0.63249
HDAC8	-0.81013	0.750286	-4.51337	0.000215	0.002162	0.628036
NCF4	-1.68698	1.206351	-4.51331	0.000215	0.002162	0.62789
FAM182A	1.977352	-0.70615	4.512532	0.000216	0.002164	0.626153
PRCD	1.281777	-0.42535	4.512156	0.000216	0.002165	0.625312
TAAR2	1.429053	-0.65312	4.511524	0.000216	0.002167	0.623897
TXNDC3	-2.08613	0.892069	-4.51104	0.000216	0.002168	0.622823
BCL6	-2.10947	1.319276	-4.50973	0.000217	0.00217	0.619891
ZNF167	-1.73724	1.113953	-4.5096	0.000217	0.00217	0.619585
C9orf71	0.952002	-0.48069	4.509596	0.000217	0.00217	0.619582
MAN2C1	-1.36919	0.827046	-4.50959	0.000217	0.00217	0.619576
IMPDH1	-1.72546	1.16263	-4.5092	0.000217	0.002171	0.618692
TMSB4X	-0.89119	0.84027	-4.50812	0.000218	0.002174	0.61628
CCNYL1	-1.24951	0.614982	-4.50788	0.000218	0.002174	0.615738
AMT	-0.94254	0.643401	-4.50768	0.000218	0.002174	0.6153
LOC100133	-1.43018	0.816027	-4.50668	0.000219	0.002178	0.613049
COL10A1	1.086034	-0.45163	4.506161	0.000219	0.00218	0.611893
CCBL2	-0.76643	-0.10115	-4.50533	0.000219	0.002183	0.610037
RAB27A	-1.75636	1.123562	-4.505	0.00022	0.002183	0.6093
TUBGCP2	-0.78292	0.5982	-4.50479	0.00022	0.002183	0.608836
ZBTB7B	-0.75204	0.631494	-4.50433	0.00022	0.002184	0.607786

UBL4B	1.767504	-0.70597	4.504136	0.00022	0.002184	0.60736
CSDC2	1.170478	-0.69965	4.50292	0.000221	0.002189	0.60464
GFRA3	1.370752	-0.67167	4.501301	0.000221	0.002196	0.601015
CORIN	0.947348	-0.57706	4.529781	0.000233	0.002274	0.599539
EVI2B	-1.81615	1.491826	-4.498	0.000223	0.002212	0.593626
UNQ6975	-1.10625	0.221251	-4.49753	0.000223	0.002214	0.59257
MUC5B	1.493092	-0.66396	4.49704	0.000224	0.002215	0.591477
GGT1	-1.46357	0.978938	-4.49648	0.000224	0.002216	0.590234
WSB2	-1.90978	1.015155	-4.49637	0.000224	0.002216	0.589986
RPAP2	-0.58728	0.077777	-4.49482	0.000225	0.002223	0.586499
MAD2L2	-0.76811	0.329307	-4.49432	0.000225	0.002224	0.585393
LOC28457	1.099845	-0.62881	4.494211	0.000225	0.002224	0.585144
KRTAP4-12	1.176459	-0.60791	4.493583	0.000225	0.002226	0.583739
GGT8P	-1.27413	0.321275	-4.49294	0.000226	0.002228	0.582293
TMOD3	-1.27244	0.842499	-4.49255	0.000226	0.002229	0.581418
APOC4	1.262009	-0.44072	4.573031	0.00024	0.00232	0.579084
CCKAR	-0.68457	0.163794	-4.5297	0.000233	0.002274	0.578657
CST3	1.658786	-0.7893	4.491081	0.000227	0.002236	0.578136
LOC64690	1.953258	-0.64674	4.621114	0.000249	0.002372	0.577528
FAM57A	1.193925	-0.60184	4.489559	0.000228	0.002241	0.57473
SEZ6	1.154596	-0.57316	4.489291	0.000228	0.002241	0.57413
ANP32A-IT	-2.00194	1.283379	-4.4892	0.000228	0.002241	0.573928
NPPB	1.39266	-0.56967	4.489125	0.000228	0.002241	0.573759
FLT4	0.889885	-0.40431	4.48883	0.000228	0.002242	0.573097
STXBP6	1.749587	-0.71528	4.487879	0.000228	0.002245	0.570969
SH2D5	1.671592	-0.70385	4.487718	0.000228	0.002245	0.570609
SOX18	1.336456	-0.68684	4.487106	0.000229	0.002247	0.569238
PRSS36	-0.7873	0.294409	-4.48454	0.00023	0.00226	0.563499
PCDHGB1	1.177053	-0.51529	4.484177	0.00023	0.00226	0.56268
CDR2L	1.694454	-0.59365	4.483861	0.000231	0.002261	0.561973
BBS1	-1.66194	0.849955	-4.48327	0.000231	0.002263	0.560661
GABRD	0.879153	-0.16278	4.481699	0.000232	0.00227	0.557132
ELMO3	-1.13471	0.872343	-4.48103	0.000232	0.002272	0.555637
MAML1	-1.00104	0.789466	-4.48097	0.000232	0.002272	0.555505
SERPINI2	0.675052	-0.30925	4.601906	0.000259	0.002426	0.554592
KAT5	-0.5987	0.4117	-4.48055	0.000232	0.002273	0.554568
RIT1	-1.47851	0.82468	-4.47971	0.000233	0.002274	0.552669
OTOA	-0.97587	0.219242	-4.51741	0.00024	0.002319	0.551863
TSHB	0.730341	-0.61354	4.479248	0.000233	0.002274	0.551645
SERPINF2	1.081425	-0.50354	4.479157	0.000233	0.002274	0.55144
STX11	-1.68185	1.167377	-4.47816	0.000234	0.002278	0.549203
C2orf70	0.785478	-0.82333	4.477976	0.000234	0.002278	0.548797
PPID	-1.32934	0.825093	-4.47771	0.000234	0.002279	0.548208
FKBP15	-0.93023	0.552878	-4.47741	0.000234	0.002279	0.547519
SHE	1.65458	-0.41894	4.514645	0.000241	0.002325	0.545842
MST1P9	-1.80395	0.723947	-4.51317	0.000242	0.002331	0.542618
KLHL2	-2.28096	1.31827	-4.51139	0.000243	0.002334	0.538743

GAL3ST1	1.142688	-0.42362	4.473356	0.000236	0.002299	0.538451
PPP2R3B	-1.31701	1.034969	-4.47263	0.000237	0.002302	0.536822
ZNF765	-1.47326	0.45952	-4.47185	0.000237	0.002305	0.535082
TNFAIP3	-1.60088	0.693528	-4.47174	0.000237	0.002305	0.534832
SPI1	-1.76772	1.491111	-4.47145	0.000237	0.002305	0.534193
PPCS	-0.93477	0.157367	-4.47093	0.000238	0.002307	0.53302
GABRR1	-0.68694	0.203112	-4.46984	0.000238	0.002311	0.530576
CCDC113	0.690311	-0.53322	4.469433	0.000238	0.002312	0.529667
SELT	-1.37759	0.269394	-4.46825	0.000239	0.002318	0.527011
HIST1H2BE	-1.54968	1.234571	-4.46795	0.000239	0.002318	0.526349
CHADL	1.692554	-0.55872	4.467835	0.000239	0.002318	0.526088
B3GALT5	-1.38517	0.449292	-4.46702	0.00024	0.00232	0.524254
MICB	-1.28317	1.121355	-4.46672	0.00024	0.00232	0.52359
KLHDC7A	1.177495	-0.65795	4.466363	0.00024	0.00232	0.522792
C9orf167	-1.46384	0.974619	-4.46573	0.00024	0.002322	0.52138
GRK6	-0.76267	0.529881	-4.4651	0.000241	0.002324	0.519956
LIME1	1.114923	-0.37993	4.463515	0.000242	0.002331	0.516414
SLC17A7	0.782748	-0.52287	4.463097	0.000242	0.002331	0.515478
HIST1H3D	-1.55983	1.399573	-4.46279	0.000242	0.002331	0.514782
FAM192A	-0.98073	0.774723	-4.46224	0.000242	0.002333	0.513552
PTCH2	1.125578	-0.57751	4.461876	0.000243	0.002334	0.512745
NRBP2	-1.73051	1.313405	-4.46097	0.000243	0.002336	0.510717
C19orf67	1.192095	-0.57672	4.458504	0.000245	0.002349	0.505193
CD80	1.223044	-0.61457	4.458237	0.000245	0.002349	0.504597
ARPC3	-0.98602	0.552939	-4.45802	0.000245	0.002349	0.504104
TMPRSS9	3.049407	-0.9668	4.457202	0.000245	0.002352	0.502278
GPR160	-1.72814	0.655191	-4.45579	0.000246	0.002359	0.499109
NTNG1	1.376395	-0.66861	4.491874	0.000254	0.002405	0.496179
FAM90A7	-1.52442	0.4075	-4.45426	0.000247	0.002366	0.495678
ABCB1	1.654424	-0.51223	4.453925	0.000247	0.002366	0.494938
ATP13A1	-0.81039	0.875013	-4.45388	0.000247	0.002366	0.494837
CLRN3	2.237249	-0.7863	4.45316	0.000248	0.002367	0.493225
FRMD4A	-1.54911	0.461946	-4.45308	0.000248	0.002367	0.493044
C18orf21	-1.03854	0.490385	-4.45287	0.000248	0.002367	0.492585
ZCCHC9	-0.91213	0.337814	-4.45278	0.000248	0.002367	0.492384
FBN3	1.154555	-0.67339	4.45223	0.000248	0.002369	0.491142
TNFSF10	-1.7398	1.000729	-4.45199	0.000248	0.002369	0.490597
LOC64419	1.386685	-0.64642	4.478985	0.000261	0.002438	0.489198
SULF1	-1.09502	0.188328	-4.45044	0.000249	0.002376	0.487134
SLC4A2	-1.40444	1.340894	-4.44921	0.00025	0.002381	0.484379
TBC1D10A	0.91617	-0.51622	4.448928	0.00025	0.002381	0.483746
NXPH4	2.070243	-0.79248	4.448696	0.00025	0.002381	0.483227
ZNF195	-0.69215	0.262992	-4.44864	0.00025	0.002381	0.483096
WRAP73	-0.88326	0.636965	-4.44781	0.000251	0.002384	0.481251
FAM49B	-1.16497	0.582762	-4.44759	0.000251	0.002384	0.480759
DHRX	-0.92979	0.508855	-4.4469	0.000251	0.002387	0.479216
CDH15	1.358356	-0.93557	4.564517	0.00028	0.002545	0.478233

LINC00260	-1.68769	1.239126	-4.44646	0.000251	0.002388	0.478211
CCNL2	-0.56622	0.474435	-4.44567	0.000252	0.002392	0.476446
LOC100501	-0.6919	0.543545	-4.44487	0.000252	0.002395	0.474648
COX19	-0.71724	0.66908	-4.44376	0.000253	0.0024	0.472171
LOC100133	1.131109	-0.51654	4.469531	0.000267	0.002472	0.46865
NRAS	-1.54559	0.561442	-4.44209	0.000254	0.002407	0.468442
C4orf29	-1.63459	0.790182	-4.44191	0.000254	0.002407	0.468019
NMUR1	1.658111	-0.57868	4.441371	0.000254	0.002408	0.466821
CADM3	1.464412	-0.73444	4.4413	0.000255	0.002408	0.466661
ROBO2	1.664222	-1.02226	4.477641	0.000262	0.002442	0.465126
C17orf80	-1.41352	0.917984	-4.43974	0.000255	0.002415	0.463165
GATA1	2.300742	-0.84485	4.438699	0.000256	0.00242	0.460836
SGSM3	-0.88598	0.637521	-4.4383	0.000256	0.00242	0.459947
NHLH1	1.377969	-0.63206	4.438149	0.000256	0.00242	0.459603
FXVD7	1.028224	-0.54111	4.437926	0.000257	0.00242	0.459105
ME2	-1.49223	0.818227	-4.43773	0.000257	0.00242	0.45867
FBXO38	-0.99441	0.569062	-4.43767	0.000257	0.00242	0.45852
C11orf36	1.011025	-0.77115	4.437219	0.000257	0.002422	0.45752
ATP5C1	-1.72162	0.452671	-4.43662	0.000257	0.002422	0.45617
MCART2	-1.20737	0.165705	-4.43659	0.000257	0.002422	0.456105
ABHD1	1.444595	-0.69965	4.436582	0.000257	0.002422	0.456094
TP53I3	-1.79856	1.002042	-4.43627	0.000257	0.002422	0.4554
TTC29	0.728534	-0.22197	4.436075	0.000258	0.002422	0.454959
PDXK	-0.69432	0.3539	-4.43553	0.000258	0.002424	0.453734
CBLN3	1.532868	-0.71179	4.435131	0.000258	0.002425	0.452843
NKAIN1	2.021529	-0.83117	4.434366	0.000259	0.002426	0.45113
TMEM234	-0.91311	0.630429	-4.43416	0.000259	0.002426	0.45067
IL34	1.961812	-0.53261	4.433792	0.000259	0.002426	0.449845
SAR1B	-1.7709	0.302389	-4.43378	0.000259	0.002426	0.449818
ACTL7A	1.428994	-0.68021	4.433667	0.000259	0.002426	0.449565
COQ3	-1.02208	0.592373	-4.46998	0.000267	0.002471	0.448411
CCDC126	-1.79287	0.584331	-4.4331	0.000259	0.002427	0.448295
CCDC17	-1.54536	1.378303	-4.43292	0.00026	0.002427	0.447883
SPG11	-1.35209	0.802683	-4.43276	0.00026	0.002427	0.447522
RGS3	-1.17264	0.812094	-4.43266	0.00026	0.002427	0.447311
SLC25A11	-0.72839	0.496885	-4.43242	0.00026	0.002427	0.446762
POU4F2	1.165224	-0.6111	4.432399	0.00026	0.002427	0.446724
PLA2G12B	1.920671	-0.85146	4.45842	0.000274	0.002505	0.444496
CRYBB3	1.313079	-0.71735	4.430799	0.000261	0.002434	0.443139
SMARCB1	-0.9401	0.799139	-4.42937	0.000262	0.00244	0.43995
GALNT1	-1.25196	0.084096	-4.42895	0.000262	0.002442	0.438992
IDH1	-1.47714	0.718209	-4.42851	0.000262	0.002442	0.438002
SLC6A8	1.628674	-0.6318	4.42796	0.000263	0.002444	0.436781
LOC650293	-1.92809	0.650708	-4.46444	0.00027	0.002493	0.436309
ENTPD6	1.090772	-0.2741	4.427063	0.000263	0.002448	0.434771
ICAM5	-1.1292	0.432816	-4.42588	0.000264	0.002453	0.432113
ZNF329	2.206444	-1.3106	4.531081	0.000301	0.002666	0.43114

H2AFZ	-0.87047	0.349669	-4.42535	0.000264	0.002455	0.430945
SP100	-1.72249	0.76735	-4.42475	0.000264	0.002457	0.4296
SERPINA11	2.493501	-0.69062	4.461347	0.000272	0.002501	0.429568
BHMT	1.384697	-1.06462	4.460202	0.000273	0.002501	0.42707
LINC00461	-1.35734	0.379277	-4.42248	0.000266	0.002469	0.424496
CDC42	-1.02726	0.609946	-4.42189	0.000266	0.002471	0.423173
ACAN	1.209006	-0.69441	4.421429	0.000267	0.002471	0.42215
ANK1	2.261852	-0.58078	4.421157	0.000267	0.002471	0.421542
MRPS31	-1.02931	0.479541	-4.42111	0.000267	0.002471	0.421441
LENEP	1.410722	-0.71235	4.457508	0.000274	0.002508	0.421188
SUPT6H	-1.34063	1.291871	-4.41996	0.000267	0.002475	0.418862
ANXA4	-0.57903	0.356369	-4.41844	0.000268	0.002483	0.415459
KRT14	1.279213	-0.60254	4.417404	0.000269	0.002487	0.413133
DCAF10	-1.04874	0.849351	-4.41738	0.000269	0.002487	0.413088
C20orf195	1.345375	-0.60674	4.416121	0.00027	0.002493	0.41026
SPTLC1	-1.35545	0.539459	-4.41525	0.00027	0.002496	0.408316
B4GALNT4	0.973088	-0.44268	4.492184	0.000287	0.002588	0.407799
FAM108B1	1.418173	-0.32532	4.441027	0.000285	0.002575	0.406676
HDAC2	-0.70496	0.388298	-4.41421	0.000271	0.002499	0.405989
MEF2BNB-	0.676319	-0.34137	4.414207	0.000271	0.002499	0.40597
C11orf51	-1.07187	0.551144	-4.41398	0.000271	0.002499	0.405471
CLCN7	-0.81955	0.739848	-4.41277	0.000272	0.002501	0.402743
B3GNT2	-1.85035	0.808891	-4.41272	0.000272	0.002501	0.40264
WDR20	-1.5023	0.953771	-4.4127	0.000272	0.002501	0.402591
MERTK	1.660473	-0.69424	4.412081	0.000272	0.002501	0.401209
NLRC4	-2.21425	1.194656	-4.41205	0.000272	0.002501	0.401128
FZD3	0.868856	-0.24385	4.41183	0.000273	0.002501	0.400647
SMYD1	0.970797	-0.29722	4.411625	0.000273	0.002501	0.400187
KLC3	1.184601	-0.39807	4.41155	0.000273	0.002501	0.400018
ATXN7L3B	-0.82187	0.542001	-4.41153	0.000273	0.002501	0.399969
PTPN1	-1.18664	0.488814	-4.41128	0.000273	0.002501	0.399404
C1orf38	-1.26086	0.744295	-4.41078	0.000273	0.002503	0.398295
RIMKLB	1.070071	-0.36562	4.410086	0.000274	0.002505	0.396737
ATP9B	-0.94548	0.604062	-4.40938	0.000274	0.002507	0.395153
TMC2	1.12525	-0.43695	4.408461	0.000275	0.00251	0.393098
ADM2	1.142461	-0.62994	4.40745	0.000275	0.002514	0.390833
C16orf11	0.920501	-0.50033	4.40658	0.000276	0.002518	0.388884
TEX12	1.051859	-0.24789	4.406401	0.000276	0.002518	0.388482
FCAMR	1.190521	-0.60996	4.405947	0.000276	0.002519	0.387465
RAB27B	2.168349	-0.93497	4.405855	0.000276	0.002519	0.387259
N4BP1	-1.71525	1.174852	-4.4045	0.000277	0.002525	0.384213
LCE4A	1.153461	-0.59953	4.404428	0.000277	0.002525	0.384062
ZNF569	-1.20933	0.294732	-4.42949	0.000292	0.002616	0.381584
PCP4	1.362075	-0.64095	4.402986	0.000278	0.002532	0.380831
AIF1	-1.01891	0.662775	-4.40251	0.000279	0.002534	0.379755
LOC100133	-1.41203	0.888354	-4.40207	0.000279	0.002535	0.378769
GRIN2C	1.309109	-0.55338	4.400563	0.00028	0.002543	0.375403

TUBA1A	-1.20421	1.000865	-4.39978	0.00028	0.002545	0.373645
FAM43B	0.965731	-0.59268	4.399637	0.00028	0.002545	0.373326
LOC72931	-0.69481	0.696084	-4.3991	0.000281	0.002547	0.372113
C1orf49	1.325923	-0.4052	4.434224	0.000289	0.002598	0.370357
SLC17A9	1.480407	-0.5077	4.397504	0.000282	0.002555	0.368547
PSKH2	0.945226	-0.75103	4.396822	0.000282	0.002557	0.367019
CLPX	-0.55531	0.216429	-4.39681	0.000282	0.002557	0.366991
SLC38A2	-1.23414	0.811399	-4.39484	0.000284	0.002567	0.362584
ATF6	-1.1333	0.439001	-4.39409	0.000284	0.002571	0.360901
FKBP1B	1.764456	-1.03032	4.392289	0.000285	0.002579	0.356862
PCIF1	-0.91373	0.943123	-4.39147	0.000286	0.002583	0.355023
ABCG2	1.5688	-0.76087	4.390842	0.000286	0.002585	0.353621
FAM196A	-1.32693	0.30981	-4.41623	0.000301	0.002666	0.352737
DENND1A	-1.23587	1.148644	-4.38971	0.000287	0.00259	0.351088
MAN2B2	-1.01597	0.762681	-4.38919	0.000287	0.002592	0.349924
KALRN	1.155127	-0.51066	4.388501	0.000288	0.002595	0.348375
EFNA2	1.268206	-0.53533	4.388085	0.000288	0.002596	0.347443
FES	-1.69564	1.198028	-4.38785	0.000288	0.002596	0.346922
AUH	-0.80704	0.356011	-4.38698	0.000289	0.002598	0.344977
GLIS1	1.286282	-0.62793	4.386503	0.000289	0.002598	0.343898
ADRB1	1.054457	-0.37427	4.441443	0.000321	0.002786	0.343851
LMTK2	-1.10838	0.900261	-4.38643	0.000289	0.002598	0.343736
FIBCD1	1.968328	-0.71897	4.386337	0.000289	0.002598	0.343527
CR1	-2.70024	1.861939	-4.38622	0.000289	0.002598	0.343261
IZUMO4	-0.70663	0.472662	-4.38619	0.000289	0.002598	0.343206
KRT13	1.791973	-0.68433	4.385577	0.00029	0.0026	0.341823
DKFZp761f	-1.99034	1.395793	-4.38536	0.00029	0.0026	0.341335
LOC100128	1.327873	-1.4343	5.155711	0.000447	0.003444	0.339657
RAD54B	-1.13144	0.48322	-4.38337	0.000291	0.00261	0.336876
ATG5	-1.08251	0.126866	-4.38328	0.000291	0.00261	0.336666
EPS8L2	0.714454	-0.36955	4.383119	0.000291	0.00261	0.336316
PLEKHO1	1.413193	-0.45161	4.381829	0.000292	0.002616	0.333424
LINC00174	-1.00074	0.774137	-4.38022	0.000293	0.002625	0.32983
RORB	1.67003	-0.41067	4.379881	0.000294	0.002625	0.32906
NXF2	1.128914	-0.8751	4.379705	0.000294	0.002625	0.328666
ANKRD32	-1.11457	0.333249	-4.3791	0.000294	0.002628	0.327303
ZFYVE21	0.549787	-0.43677	4.37869	0.000294	0.002629	0.32639
KIFC2	1.290626	-0.36491	4.377781	0.000295	0.002633	0.324355
LOC64519	2.177004	-0.8072	4.377616	0.000295	0.002633	0.323983
DSE	-1.75248	1.160639	-4.3771	0.000295	0.002635	0.322817
VGF	1.216218	-0.6348	4.376881	0.000296	0.002635	0.322336
CHST4	0.843058	-0.66048	4.376725	0.000296	0.002635	0.321987
ADARB2-A	1.422619	-0.67031	4.37656	0.000296	0.002635	0.321617
PTGES	1.143915	-0.49778	4.376344	0.000296	0.002635	0.321134
USP21	-1.0049	1.104407	-4.37615	0.000296	0.002635	0.320705
SHKBP1	-1.42974	1.167882	-4.37576	0.000296	0.002636	0.319823
CTNNB1	-1.55584	1.084284	-4.37422	0.000297	0.002645	0.316384

OXR1	-1.15263	0.476577	-4.37368	0.000298	0.002647	0.315154
LOC642236	0.89746	-0.51915	4.373411	0.000298	0.002647	0.314561
GABRA1	1.676964	-0.57265	4.372771	0.000298	0.00265	0.313127
SNTG1	-0.94213	0.123641	-4.37204	0.000299	0.002653	0.311494
ZNF408	-1.00559	1.058672	-4.37045	0.0003	0.002662	0.307927
HMGCS2	0.84496	-0.8551	4.404633	0.000309	0.002722	0.305732
TPST2	-1.20549	0.899067	-4.36908	0.000301	0.002666	0.304851
ZCCHC17	-0.99547	0.812797	-4.36893	0.000301	0.002666	0.304524
IFNA8	-1.23211	0.031552	-4.39159	0.000318	0.00278	0.299116
ZIM3	0.909942	-0.20221	4.440824	0.000321	0.002789	0.298804
MESTIT1	1.513085	-0.69455	4.364281	0.000304	0.002694	0.294101
EAPP	-0.79309	0.355531	-4.36305	0.000305	0.002701	0.291352
C12orf51	1.357163	-0.22983	4.362873	0.000305	0.002701	0.290946
CHRM1	1.419522	-0.55281	4.361891	0.000306	0.002706	0.288746
B3GNT6	2.466899	-0.8116	4.361251	0.000307	0.002708	0.287312
POP4	-0.79294	0.47299	-4.36118	0.000307	0.002708	0.287143
EBI3	-2.00322	0.967993	-4.36059	0.000307	0.00271	0.285838
HMBOX1	-0.81597	0.425936	-4.35973	0.000308	0.002714	0.283892
ABCB10	-1.56049	0.402356	-4.35942	0.000308	0.002715	0.283201
OTOF	1.072812	-0.59549	4.358457	0.000309	0.00272	0.281049
CEPT1	-1.65818	0.904383	-4.3583	0.000309	0.00272	0.280697
NPSA	1.671927	-0.53266	4.382792	0.000325	0.002801	0.279976
METTL9	-1.6662	0.944933	-4.35568	0.000311	0.002734	0.274826
CELA2B	1.278759	-0.62717	4.355484	0.000311	0.002734	0.274387
EPG5	-1.52521	1.005309	-4.35444	0.000311	0.002738	0.272037
RAB34	0.925342	-0.48477	4.354389	0.000312	0.002738	0.271933
GSTA2	1.122461	-0.83272	4.353603	0.000312	0.002742	0.27017
GLRX5	2.206454	-1.00134	4.352787	0.000313	0.002746	0.268341
SUGP2	-0.68498	0.731035	-4.35201	0.000313	0.002749	0.266593
CPXM1	1.486287	-0.94867	4.351917	0.000313	0.002749	0.266393
GEMIN7	-0.5806	0.509455	-4.35177	0.000313	0.002749	0.266068
GBAS	-1.38024	0.697667	-4.38633	0.000322	0.00279	0.265743
SERBP1	-0.85651	0.891149	-4.35123	0.000314	0.002751	0.264846
LOC100506	1.337671	-0.55453	4.375653	0.00033	0.002831	0.264436
C19orf29	-0.90912	0.720281	-4.35087	0.000314	0.002752	0.264041
GJB3	1.04891	-0.62637	4.350091	0.000315	0.002755	0.262299
MMP7	-2.05725	0.644436	-4.35003	0.000315	0.002755	0.262174
TRPM2	-2.09639	1.542488	-4.34918	0.000315	0.002759	0.260265
RPS6KA3	-1.05052	0.463294	-4.34765	0.000316	0.002768	0.256823
AHDC1	0.995195	-0.39074	4.346189	0.000318	0.002775	0.253554
TGFBI	2.662415	-1.29057	4.346118	0.000318	0.002775	0.253395
SGSH	-1.09749	0.191341	-4.34496	0.000318	0.00278	0.250798
MECOM	-0.71824	0.436813	-4.34486	0.000318	0.00278	0.250583
DGUOK	-0.61679	0.520492	-4.34413	0.000319	0.002783	0.248929
CTNS	-0.77192	0.696527	-4.34358	0.000319	0.002785	0.247705
LOC652276	-0.75561	0.40848	-4.34352	0.000319	0.002785	0.247568
HEPH	1.200718	-0.57267	4.342872	0.00032	0.002786	0.24612

ARAF	-1.02915	0.956303	-4.34265	0.00032	0.002786	0.245613
ZNF100	-1.18406	0.443376	-4.34255	0.00032	0.002786	0.245401
NUDT3	-0.81187	0.344516	-4.34249	0.00032	0.002786	0.245254
ANGPT2	0.691854	-0.1951	4.342152	0.000321	0.002786	0.244508
UGT3A1	1.021478	-0.52439	4.341089	0.000321	0.00279	0.242126
LIN7A	-1.64303	1.038054	-4.37512	0.000331	0.002833	0.241254
EHF	-1.03762	0.264477	-4.3405	0.000322	0.00279	0.240808
VAPA	-1.24997	1.070634	-4.34035	0.000322	0.00279	0.24047
MAPK15	0.812645	-0.41501	4.340091	0.000322	0.00279	0.239889
GSTA3	1.152181	-0.46725	4.339927	0.000322	0.00279	0.239519
HGFAC	1.415735	-0.65245	4.339886	0.000322	0.00279	0.239428
BRD9	-0.83188	0.646283	-4.33985	0.000322	0.00279	0.239357
ATP6V1D	-1.15387	0.737613	-4.33928	0.000323	0.002793	0.23807
MMP8	-4.74047	1.963461	-4.33867	0.000323	0.002794	0.236707
MYCN	1.196105	-0.68	4.338626	0.000323	0.002794	0.236604
GPBP1L1	-0.48772	0.281872	-4.33833	0.000323	0.002795	0.23595
LOC100134	0.746093	-0.47705	4.338201	0.000323	0.002795	0.235652
HSPC081	0.929139	-0.49783	4.337445	0.000324	0.002798	0.233958
SFTPD	1.180594	-0.48014	4.337089	0.000324	0.002799	0.233159
CXCR4	1.084768	-0.57699	4.336804	0.000325	0.0028	0.23252
MANSC1	-2.13863	1.750992	-4.33606	0.000325	0.002802	0.230857
FAM123C	0.876754	-0.38315	4.333951	0.000327	0.002814	0.226126
PION	-1.27083	0.336313	-4.33376	0.000327	0.002814	0.225694
ZNF622	-0.56551	0.447801	-4.33371	0.000327	0.002814	0.225575
TRIM41	-0.97954	0.750804	-4.33318	0.000327	0.002816	0.22439
IST1	-1.13198	0.792698	-4.33275	0.000328	0.002818	0.223442
CPB1	1.388196	-0.68466	4.33219	0.000328	0.00282	0.22218
S100A10	1.322692	-0.61514	4.331909	0.000328	0.002821	0.22155
UGT2B15	1.300308	-0.63496	4.331725	0.000328	0.002821	0.221138
UCN	0.663171	-0.21097	4.330044	0.00033	0.002829	0.21737
ARL6IP5	-1.23215	0.416762	-4.33002	0.00033	0.002829	0.217323
CPSF2	-1.25576	0.593108	-4.32989	0.00033	0.002829	0.217033
MEA1	-0.62119	0.643449	-4.32881	0.000331	0.002833	0.214595
FAM178B	2.021044	-0.80125	4.328509	0.000331	0.002833	0.213928
DNASE1L2	-0.76836	0.744727	-4.32827	0.000331	0.002834	0.213398
POR	-1.35825	0.805476	-4.32776	0.000331	0.002836	0.212258
CCNB1IP1	1.076641	-0.5979	4.327234	0.000332	0.002838	0.211071
TJAP1	-0.64275	0.528569	-4.32657	0.000332	0.002841	0.20958
CPT2	-0.81915	0.476422	-4.32598	0.000333	0.002844	0.208263
HIST1H2BK	-1.66854	1.412479	-4.32476	0.000334	0.002851	0.205524
LOC100501	-1.28239	0.672703	-4.32373	0.000335	0.002856	0.203229
WDR35	-1.08022	0.477417	-4.35751	0.000344	0.002917	0.202774
NCEH1	0.757179	-0.59363	4.323115	0.000335	0.002859	0.20184
FGF19	1.195913	-0.57684	4.393286	0.000356	0.002986	0.197808
PFN1	-0.61562	0.653215	-4.32064	0.000337	0.002874	0.196295
GMFB	-1.26255	0.312572	-4.35407	0.000347	0.002934	0.195249
HMGB3P1	1.696347	-0.43907	4.343829	0.000355	0.002976	0.195148

MNS1	-1.58275	0.334722	-4.31912	0.000338	0.002883	0.192895
NNAT	0.948402	-0.54296	4.317275	0.00034	0.002893	0.18875
ST3GAL4	-2.41847	1.450204	-4.31727	0.00034	0.002893	0.188747
JPH2	1.347799	-0.68174	4.317045	0.00034	0.002894	0.188234
MYBL2	-1.37676	1.028811	-4.3165	0.00034	0.002896	0.187004
THOC5	-1.26128	0.821157	-4.31575	0.000341	0.002899	0.185323
HDGFL1	1.037656	-0.86045	4.315633	0.000341	0.002899	0.18507
C20orf165	0.777216	-0.39266	4.315492	0.000341	0.002899	0.184753
ICA1	-1.70909	1.036712	-4.31495	0.000341	0.002901	0.183545
AP1S3	-0.69113	0.375374	-4.34858	0.000351	0.002951	0.183234
NRF1	-0.93397	0.76778	-4.31356	0.000343	0.002909	0.180415
ZNF257	1.235309	-0.66976	4.313469	0.000343	0.002909	0.18022
PRR14	-0.87518	0.802231	-4.31311	0.000343	0.00291	0.179404
FAM105B	-0.61678	0.331996	-4.313	0.000343	0.00291	0.179158
KIF5C	1.368856	-0.33804	4.373268	0.000372	0.003071	0.175522
TBCEL	0.987224	-0.73957	4.309712	0.000346	0.002929	0.171799
ETV3L	1.225026	-0.40549	4.309405	0.000346	0.00293	0.171111
C1orf123	-0.76048	0.488441	-4.30899	0.000346	0.002932	0.170187
SRMS	0.969654	-0.38899	4.307386	0.000348	0.002939	0.166585
CSGALNAC	-2.02015	1.293143	-4.30701	0.000348	0.002939	0.165744
PRPF40A	-1.18005	0.746597	-4.307	0.000348	0.002939	0.16571
CRBN	-1.45989	0.111389	-4.30684	0.000348	0.002939	0.165351
BZW1	-1.37971	1.01604	-4.30649	0.000348	0.002939	0.164575
ITFG1	-1.12238	0.538555	-4.30648	0.000348	0.002939	0.164548
CTRC	1.260132	-0.48695	4.306428	0.000348	0.002939	0.164436
MADCAM1	1.095057	-0.43044	4.305588	0.000349	0.002943	0.162554
BCAN	0.956713	-0.46535	4.305512	0.000349	0.002943	0.162384
POU3F3	0.943197	-0.6398	4.30514	0.000349	0.002944	0.16155
HAVCR2	-1.92701	1.146706	-4.30463	0.00035	0.002946	0.160397
DICER1	-1.56654	1.023085	-4.30448	0.00035	0.002946	0.160068
SPANXN3	0.850117	-0.46403	4.304336	0.00035	0.002946	0.159748
FAM190A	2.043097	-0.77816	4.574025	0.000444	0.003433	0.159713
PTPRA	-0.54165	0.322329	-4.30325	0.000351	0.002951	0.15732
RAB24	-1.25213	0.861198	-4.30299	0.000351	0.002951	0.156732
ST5	0.906662	-0.46402	4.302676	0.000351	0.002952	0.156026
SPDEF	1.280644	-0.51054	4.302175	0.000352	0.002954	0.154905
LILRB3	-1.1292	0.762076	-4.30175	0.000352	0.002956	0.153957
TOM1	-1.44333	1.224191	-4.30148	0.000352	0.002957	0.153351
SLC11A1	-1.85597	1.386743	-4.29754	0.000356	0.002981	0.144519
TOP1P2	-0.81119	0.167872	-4.31913	0.000375	0.003086	0.141359
HIST1H3F	-1.44676	1.332058	-4.29607	0.000357	0.002989	0.14122
TPCN2	-1.20266	0.798292	-4.29572	0.000357	0.00299	0.140426
LAT2	-1.24562	0.670603	-4.29563	0.000357	0.00299	0.140234
FGR	-1.88758	1.433614	-4.29517	0.000358	0.002991	0.139203
SLC4A1	1.566454	-0.49718	4.293554	0.000359	0.003001	0.13558
SFTPC	0.851116	-0.28956	4.293353	0.000359	0.003001	0.13513
DLC1	-1.58267	0.290692	-4.29332	0.000359	0.003001	0.135063

SLC25A20	-0.79172	0.436204	-4.29307	0.000359	0.003001	0.134501
MYOC	-1.6848	0.379277	-4.29154	0.000361	0.00301	0.131077
OXT	0.949569	-0.47712	4.290595	0.000361	0.003016	0.128948
EIF2B2	-0.54833	0.437315	-4.29011	0.000362	0.003017	0.127868
CST9	1.000053	-0.62631	4.360277	0.000383	0.003125	0.127624
PNLIPRP1	1.405995	-0.44141	4.289988	0.000362	0.003017	0.127588
ATP2C1	-0.99256	0.451383	-4.28975	0.000362	0.003018	0.127054
RETN	-2.30915	1.074864	-4.28957	0.000362	0.003018	0.126658
LRRC45	0.85429	-0.33828	4.289288	0.000362	0.003019	0.126018
OR8U1	0.926317	-0.54988	4.288795	0.000363	0.00302	0.124914
MFSD8	-0.59603	0.098666	-4.28861	0.000363	0.00302	0.124501
SPATA13	-1.54044	0.669912	-4.28849	0.000363	0.00302	0.124237
LRRC37A2	-1.15182	0.717672	-4.28829	0.000363	0.00302	0.123777
SLC13A4	0.517666	-0.42564	4.288135	0.000363	0.00302	0.123434
CPN1	1.16414	-0.53371	4.287841	0.000364	0.00302	0.122775
FAM133B	-1.27287	0.513913	-4.28777	0.000364	0.00302	0.122616
FGFBP2	2.573364	-0.92301	4.28614	0.000365	0.00303	0.118964
HERC2P4	-1.4935	0.500439	-4.28589	0.000365	0.003031	0.118396
CCZ1	-0.84382	0.200958	-4.28577	0.000365	0.003031	0.118131
GUCY2GP	1.322819	-0.72501	4.285265	0.000366	0.003031	0.117001
LOC100501	-0.76778	0.553039	-4.28519	0.000366	0.003031	0.11684
CSF2RA	-1.97115	1.144233	-4.28511	0.000366	0.003031	0.11666
TUBB2A	3.06063	-1.5651	4.284147	0.000367	0.003036	0.114495
GHRH	1.311966	-0.568	4.284062	0.000367	0.003036	0.114306
FABP2	-1.36628	0.311115	-4.28283	0.000368	0.003043	0.111552
CDC40	-1.56597	0.620382	-4.28274	0.000368	0.003043	0.111347
HEATR7B1	1.593826	-0.51049	4.342038	0.000399	0.003205	0.109346
OSBPL5	1.31537	-0.49446	4.281193	0.000369	0.003052	0.107875
CDS2	-0.97664	0.475742	-4.28112	0.000369	0.003052	0.107708
CELF4	1.192236	-0.59986	4.280981	0.00037	0.003052	0.1074
SLC35E1	-0.91063	0.442751	-4.2805	0.00037	0.003054	0.106316
ZNF429	-1.42997	0.621032	-4.2803	0.00037	0.003054	0.105875
CRYBA2	1.424043	-0.81032	4.311965	0.000381	0.003117	0.103193
ABCB5	1.056692	-0.55157	4.299193	0.000393	0.003176	0.097927
NFATC2	0.518937	-0.26106	4.276287	0.000374	0.00308	0.096878
PIK3C3	-0.72479	0.236701	-4.27574	0.000374	0.003083	0.095659
MINOS1	-0.62421	0.414888	-4.27482	0.000375	0.003086	0.093581
TEF	0.852557	-0.57639	4.27443	0.000375	0.003086	0.092716
MON1B	-0.97534	1.00925	-4.2744	0.000375	0.003086	0.092652
OR8D2	0.972693	-0.71484	4.274146	0.000376	0.003086	0.092079
PDHA1	-0.70103	0.448778	-4.27404	0.000376	0.003086	0.09183
FAS	-1.95806	0.536591	-4.27401	0.000376	0.003086	0.091784
ZNF586	-0.8532	0.410685	-4.27203	0.000377	0.003099	0.087342
PSMA1	-0.62362	0.101199	-4.27162	0.000378	0.003101	0.086418
LOC146880	-0.95338	0.777974	-4.27014	0.000379	0.003108	0.08309
LOC730961	-0.72145	0.040449	-4.27005	0.000379	0.003108	0.082908
MTMR8	1.164675	-0.62991	4.27	0.000379	0.003108	0.082786

TRAF7	-0.79316	0.734526	-4.26984	0.000379	0.003108	0.082438
LOC100501	-1.6233	0.368753	-4.26967	0.000379	0.003108	0.082039
DHX16	-0.50649	0.267986	-4.26937	0.00038	0.003109	0.081376
C8orf42	1.295955	-0.33151	4.269049	0.00038	0.003109	0.080655
ARX	0.723579	-0.57573	4.268958	0.00038	0.003109	0.080451
SLC25A2	-0.73599	0.205735	-4.30151	0.000391	0.003167	0.080321
GNL2	-1.25964	1.050055	-4.26743	0.000381	0.003117	0.07703
GCLM	-1.55666	0.221667	-4.26736	0.000381	0.003117	0.076868
DNAJC1	-0.943	0.426703	-4.26709	0.000382	0.003118	0.076263
BTBD10	-0.98932	0.315684	-4.26655	0.000382	0.00312	0.07506
MRGPRX2	1.785023	-0.69808	4.265725	0.000383	0.003125	0.073204
CYP3A5	0.905538	-0.70599	4.265327	0.000383	0.003125	0.072311
XRCC4	-1.81923	0.523404	-4.26425	0.000384	0.003132	0.069887
GPIHBP1	1.527627	-0.61144	4.263891	0.000385	0.003133	0.069092
KCNN4	0.934472	-0.36769	4.262736	0.000386	0.003139	0.066504
GZMM	1.577972	-0.71528	4.262672	0.000386	0.003139	0.06636
HERC4	-1.16066	0.496186	-4.26259	0.000386	0.003139	0.066174
C1orf50	-0.676	0.442183	-4.26225	0.000386	0.00314	0.065406
RPS6KB1	-0.93731	0.669371	-4.26125	0.000387	0.003145	0.063175
LOC100285	-1.38707	0.757945	-4.26125	0.000387	0.003145	0.063167
STRA6	1.063306	-0.49542	4.260445	0.000388	0.003149	0.061369
FOXN1	1.164374	-0.61123	4.260212	0.000388	0.00315	0.060847
MTHFD1L	-1.02383	0.719592	-4.25922	0.000389	0.003156	0.05862
SOHLH1	1.242581	-0.75516	4.257906	0.00039	0.003164	0.055677
ZFYVE26	-0.75412	0.554424	-4.25755	0.00039	0.003165	0.054883
TTC15	-1.25758	0.812414	-4.25643	0.000391	0.003171	0.052376
CCNI	0.815398	-0.49272	4.255563	0.000392	0.003176	0.050426
HMGCL	-0.52505	0.244236	-4.25527	0.000392	0.003176	0.049778
HINT3	-1.39029	0.677936	-4.25484	0.000393	0.003176	0.048814
CDK3	-0.87151	0.85201	-4.25479	0.000393	0.003176	0.048697
TAF11	-1.52434	0.711518	-4.25471	0.000393	0.003176	0.048522
SLC36A1	1.396557	-0.5184	4.253744	0.000394	0.003182	0.04635
LYG1	-1.08546	0.830477	-4.25268	0.000395	0.003188	0.043973
TESC	1.639768	-1.3239	4.252212	0.000395	0.00319	0.042916
MS4A2	1.456647	-0.77522	4.352036	0.000441	0.003423	0.042445
POM121L1	-2.18604	1.193014	-4.25162	0.000396	0.003192	0.041585
TIGIT	1.569678	-0.75369	4.251618	0.000396	0.003192	0.041583
CAMTA2	-1.59021	1.587059	-4.25135	0.000396	0.003192	0.040976
C6orf126	1.149707	-0.59374	4.251262	0.000396	0.003192	0.040786
MRVI1-AS1	-2.09946	1.481626	-4.25055	0.000397	0.003196	0.039196
SLC30A9	-1.74129	0.616146	-4.25014	0.000397	0.003198	0.038264
LINC00204	-0.97837	0.629851	-4.24879	0.000398	0.003205	0.035241
PIKFYVE	-0.82148	0.138735	-4.28054	0.00041	0.003258	0.034465
FLJ36644	-1.58116	0.850639	-4.24837	0.000399	0.003205	0.034305
MOG	1.461689	-0.80798	4.505006	0.000506	0.003717	0.034268
BPNT1	-0.90973	0.371027	-4.24835	0.000399	0.003205	0.034257
NCR2	0.837655	-0.51591	4.248327	0.000399	0.003205	0.034208

POP7	0.705353	-0.527	4.248214	0.000399	0.003205	0.033954
SRF	-1.38558	0.707726	-4.24766	0.000399	0.003207	0.032713
HMGB2	-1.95314	0.923281	-4.24681	0.0004	0.003211	0.030812
RPL7L1	-0.83419	0.630098	-4.24674	0.0004	0.003211	0.030658
RGS14	-1.40055	1.415946	-4.24671	0.0004	0.003211	0.030572
HDC	2.223045	-0.80958	4.245751	0.000401	0.003216	0.028435
PRDM11	1.235609	-0.49084	4.245516	0.000401	0.003217	0.027908
TNF	-0.81005	0.559924	-4.24485	0.000402	0.00322	0.026424
HCAR1	1.221981	-0.53268	4.244749	0.000402	0.00322	0.026187
LOC96610	-0.80686	0.536453	-4.24398	0.000403	0.003224	0.024464
DNAJB11	-0.81076	0.610361	-4.24361	0.000403	0.003225	0.023627
PRSS23	1.765969	-0.81332	4.243489	0.000403	0.003225	0.023364
FLJ36848	0.821295	-0.50939	4.243309	0.000403	0.003225	0.02296
SLC35F5	-1.32643	0.479765	-4.2424	0.000404	0.003231	0.020923
LILRP2	-1.46623	1.035407	-4.24215	0.000405	0.003232	0.020358
TMEM169	-1.72085	1.148228	-4.24154	0.000405	0.003235	0.018988
CNGB1	0.698623	-0.56415	4.240629	0.000406	0.00324	0.016954
CALR3	0.8891	-0.72884	4.240533	0.000406	0.00324	0.016739
CLEC4E	-2.06327	1.245501	-4.24022	0.000406	0.003241	0.016042
PGLYRP4	-0.77535	0.252208	-4.24007	0.000407	0.003241	0.015694
ATP6V1H	-1.09737	0.547902	-4.23966	0.000407	0.003242	0.014787
ALG8	0.928578	-0.56907	4.239138	0.000407	0.003244	0.013612
VAX2	1.352001	-0.52884	4.238976	0.000408	0.003244	0.013248
GSX1	1.416662	-0.5582	4.238867	0.000408	0.003244	0.013005
OR2M2	-0.60126	0.05319	-4.27035	0.000419	0.003314	0.012177
IK	-1.21266	1.36876	-4.23839	0.000408	0.003247	0.011932
CLDN3	0.838589	-0.36561	4.236398	0.00041	0.003259	0.007471
ZNF292	-1.56826	0.88651	-4.2352	0.000411	0.003267	0.00478
LOC401351	-1.3245	0.923663	-4.23504	0.000411	0.003267	0.004421
CYP7B1	1.369717	-1.0052	4.234875	0.000411	0.003267	0.004058
RERG	0.968579	-0.72137	4.234395	0.000412	0.003269	0.002981
RBM8A	-0.64241	0.689689	-4.2341	0.000412	0.003269	0.00231
LRRFIP1	-1.75689	1.209177	-4.23401	0.000412	0.003269	0.002117
KIAA1644	1.796649	-0.53588	4.233005	0.000413	0.003276	-0.00013
RASGRF1	-0.67999	0.236904	-4.23266	0.000414	0.003277	-0.00091
LOC285074	0.74719	-0.5485	4.231963	0.000414	0.003281	-0.00247
FHOD1	-0.93451	0.456361	-4.2305	0.000416	0.003291	-0.00575
NDUFA7	-0.94191	0.62993	-4.22849	0.000418	0.003304	-0.01025
C16orf93	-0.62263	0.516207	-4.22849	0.000418	0.003304	-0.01025
HSH2D	0.88501	-0.32843	4.228153	0.000418	0.003305	-0.01101
GTF2E1	-0.94989	0.20554	-4.22648	0.00042	0.003315	-0.01476
ETV4	0.879269	-0.50707	4.292971	0.000445	0.003434	-0.01561
EXOSC4	-1.65999	0.784096	-4.22576	0.00042	0.003319	-0.01637
EMR3	2.285445	-0.76785	4.224574	0.000421	0.003326	-0.01903
UNC5A	1.481857	-0.55595	4.224523	0.000422	0.003326	-0.01915
ZNF611	-1.48402	0.909205	-4.25576	0.000433	0.003393	-0.01974
CALCOCO1	-0.73796	0.541092	-4.22326	0.000423	0.003335	-0.02198

DLG2	1.075665	-0.30767	4.22288	0.000423	0.003336	-0.02283
TBRG1	-1.37111	0.734709	-4.22278	0.000423	0.003336	-0.02305
VPS36	-0.92812	0.309505	-4.22094	0.000425	0.003349	-0.02718
RRAGA	-0.57734	0.132246	-4.22079	0.000425	0.003349	-0.02752
BRF2	-0.69949	0.498494	-4.22058	0.000425	0.003349	-0.02799
IL17RB	-0.94639	0.198888	-4.24095	0.000448	0.003447	-0.02899
CRK	-1.44654	1.074237	-4.21979	0.000426	0.003354	-0.02974
KCTD5	-0.49272	0.198442	-4.2193	0.000427	0.003356	-0.03085
CHMP6	1.110805	-0.86538	4.218783	0.000427	0.003359	-0.03201
GNA12	0.973721	-0.52926	4.217188	0.000429	0.00337	-0.03558
IMPACT	-1.23434	0.321693	-4.21671	0.000429	0.003372	-0.03667
LOC10065	1.221251	-1.3173	4.216619	0.000429	0.003372	-0.03686
FGL1	-0.56639	0.103331	-4.24704	0.000442	0.003425	-0.03882
RTN4	-1.0904	0.724109	-4.2155	0.00043	0.003379	-0.03936
ZNF717	-1.08642	0.466515	-4.23591	0.000453	0.003474	-0.03997
ALDH4A1	-0.90193	0.608605	-4.21497	0.000431	0.003381	-0.04056
DIAPH2	-1.37198	0.607687	-4.21493	0.000431	0.003381	-0.04064
CBX3	-1.17843	0.353094	-4.21408	0.000432	0.003386	-0.04255
ERG	1.561351	-0.6794	4.213802	0.000432	0.003387	-0.04317
SKINTL	-0.84753	0.30683	-4.24485	0.000444	0.003434	-0.04361
NCKAP1L	-1.09916	0.612092	-4.21288	0.000433	0.003393	-0.04523
ATOX1	-0.79794	0.6029	-4.21259	0.000433	0.003393	-0.04588
COQ10B	-1.69415	0.950599	-4.21245	0.000434	0.003393	-0.04619
TRPC4	0.998246	-0.43998	4.243401	0.000446	0.003439	-0.04677
TMEM188	-1.41733	0.743624	-4.21178	0.000434	0.003394	-0.04771
OR51A7	0.743241	-0.38086	4.211641	0.000434	0.003394	-0.04802
GPSM3	-0.8137	0.730459	-4.21163	0.000434	0.003394	-0.04803
SQRDL	-1.23352	0.697448	-4.21163	0.000434	0.003394	-0.04805
CLIC5	1.286665	-0.92377	4.210684	0.000435	0.0034	-0.05016
CNOT7	-1.27677	0.91405	-4.21049	0.000436	0.0034	-0.05059
CAPZB	-1.06593	0.787343	-4.2095	0.000437	0.003406	-0.05282
C19orf76	0.839687	-0.11488	4.208878	0.000437	0.003409	-0.05421
C11orf54	-1.48713	0.689683	-4.20885	0.000437	0.003409	-0.05427
LOC10050	-1.45861	0.790254	-4.20871	0.000437	0.003409	-0.05459
PLL	1.295136	-0.66911	4.20853	0.000438	0.003409	-0.05499
MOCS3	1.06126	-0.29979	4.208124	0.000438	0.003409	-0.0559
HOXB9	0.915376	-0.66998	4.208117	0.000438	0.003409	-0.05591
EPHB1	1.511104	0.030344	4.207813	0.000438	0.00341	-0.0566
SLC25A12	-1.53202	0.76184	-4.20774	0.000438	0.00341	-0.05677
NUAK1	1.265066	-0.68719	4.207319	0.000439	0.003412	-0.0577
FGFR1OP2	-2.2651	0.606746	-4.20698	0.000439	0.003413	-0.05846
CARD17	-2.31312	1.555513	-4.20656	0.00044	0.003415	-0.05939
CDH9	1.01674	-0.4645	4.205843	0.00044	0.003419	-0.06101
PRMT10	-0.66273	0.179295	-4.2053	0.000441	0.003422	-0.06223
CYP11B1-AS	-1.94594	1.021117	-4.20468	0.000441	0.003424	-0.06363
SBF1	-0.83668	0.905657	-4.20459	0.000442	0.003424	-0.06381
ABCA8	-1.33915	0.240542	-4.25994	0.000478	0.003588	-0.06479

ELAVL2	-1.09084	0.439919	-4.20406	0.000442	0.003425	-0.06501
CSPG5	0.461022	-0.21285	4.203505	0.000443	0.003428	-0.06625
HMMR	-2.16337	0.847383	-4.20317	0.000443	0.00343	-0.06699
FAM53B	0.85719	-0.30288	4.202798	0.000443	0.003431	-0.06783
TMEFF2	1.000293	-0.28258	4.202542	0.000444	0.003432	-0.06841
TNPO1	-1.30896	0.636661	-4.20172	0.000445	0.003434	-0.07025
IVNS1ABP	-1.17761	0.601793	-4.20086	0.000445	0.003439	-0.07218
CPA1	0.589733	-0.13165	4.200554	0.000446	0.003439	-0.07286
GIPC3	1.178533	-0.41652	4.1995	0.000447	0.003444	-0.07523
APOBEC3C	-1.61966	1.751518	-4.19934	0.000447	0.003444	-0.07559
TMEM167	-1.27833	0.358848	-4.19894	0.000447	0.003445	-0.07648
CTRL	-0.74017	0.909818	-4.19887	0.000447	0.003445	-0.07663
GRIPAP1	-0.81062	0.745182	-4.19875	0.000448	0.003445	-0.07692
C17orf53	-0.78339	0.53598	-4.19855	0.000448	0.003445	-0.07736
MAP1LC3C	-0.61981	0.056053	-4.19723	0.000449	0.003453	-0.08031
UBE2K	-0.63506	0.414009	-4.19711	0.000449	0.003453	-0.08058
LOC10065	-1.23041	0.643867	-4.19674	0.00045	0.003454	-0.08141
PSMD4	-0.98915	0.750488	-4.19654	0.00045	0.003455	-0.08187
TMPRSS6	0.497924	-0.15511	4.195944	0.000451	0.003458	-0.08319
HIST2H3A	0.538299	-0.32891	4.195001	0.000452	0.003464	-0.08531
EMILIN3	1.404417	-0.61442	4.193739	0.000453	0.003473	-0.08813
RUNDC3A	2.458757	-1.1199	4.193316	0.000453	0.003474	-0.08908
AP4B1	-0.74057	0.516759	-4.19247	0.000454	0.003478	-0.09099
RAG2	1.046915	-0.33574	4.1924	0.000454	0.003478	-0.09114
GM2A	-1.71128	1.015218	-4.19232	0.000454	0.003478	-0.09132
C1orf114	1.496085	-0.50544	4.191931	0.000455	0.00348	-0.09219
TTC1	-1.22263	1.061905	-4.191	0.000456	0.003484	-0.09427
HSPB9	0.953426	-0.23961	4.190873	0.000456	0.003484	-0.09456
C1orf63	-1.78803	0.768188	-4.19083	0.000456	0.003484	-0.09465
MAG	1.032785	-0.42385	4.188857	0.000458	0.003499	-0.09908
API5	-1.13229	0.540855	-4.18736	0.00046	0.00351	-0.10244
IGFBP3	1.819808	-1.31039	4.326	0.000531	0.003832	-0.1037
PDE12	-0.86349	0.479195	-4.18618	0.000461	0.003518	-0.10508
P2RY4	1.137945	-0.55168	4.185958	0.000461	0.003519	-0.10557
FNBP1	-0.68088	0.336132	-4.1851	0.000462	0.003524	-0.10749
LOC10013	1.321081	-0.67949	4.184794	0.000462	0.003526	-0.10818
FSTL1	1.180844	-0.51887	4.184468	0.000463	0.003526	-0.10891
TEKT5	1.069	-0.40554	4.184244	0.000463	0.003526	-0.10941
TRIP11	-0.73015	0.336059	-4.18413	0.000463	0.003526	-0.10967
MFN1	-0.75065	0.268573	-4.18373	0.000464	0.003526	-0.11056
HIST1H2BM	-1.461	1.333197	-4.18359	0.000464	0.003526	-0.11089
STOML1	-1.16385	0.748031	-4.18355	0.000464	0.003526	-0.11096
MMP28	0.838198	-0.54778	4.183435	0.000464	0.003526	-0.11122
ROM1	-1.48212	0.973673	-4.18341	0.000464	0.003526	-0.11129
SCGB3A1	2.074943	-1.54862	4.183217	0.000464	0.003526	-0.11171
DRAM1	-1.86357	0.671587	-4.18308	0.000464	0.003526	-0.11202
GJC3	1.529203	-0.39879	4.18287	0.000464	0.003526	-0.11249

RANBP10	0.951989	-0.39764	4.182679	0.000465	0.003526	-0.11292
RTP3	-1.19972	0.243257	-4.20177	0.00049	0.003645	-0.11438
NDST3	1.142568	-0.47798	4.275843	0.000519	0.003778	-0.11446
SMCR5	0.938711	-0.63662	4.180957	0.000467	0.003539	-0.11678
SLC18A3	1.31347	-0.81291	4.180635	0.000467	0.003541	-0.1175
TWIST1	1.207882	-0.61411	4.180214	0.000467	0.003543	-0.11844
EME2	-1.42881	0.961999	-4.17927	0.000468	0.003549	-0.12056
HEATR8	0.943263	-0.51927	4.178548	0.000469	0.003554	-0.12218
MYCL1	1.15279	-0.59339	4.178024	0.00047	0.003557	-0.12335
C21orf37	-0.53203	0.15891	-4.20836	0.000483	0.003603	-0.12344
SMC6	-1.28861	0.702069	-4.17777	0.00047	0.003557	-0.12391
ARID4A	-1.47055	0.884178	-4.1775	0.00047	0.003558	-0.12453
ADAM17	-0.80802	0.719093	-4.17654	0.000471	0.003562	-0.12668
ZFYVE16	-1.31407	0.457684	-4.17645	0.000471	0.003562	-0.12688
STX18	-1.2118	0.590974	-4.17638	0.000472	0.003562	-0.12704
ZFAND2A	-1.34442	0.458066	-4.17635	0.000472	0.003562	-0.1271
AANAT	0.743058	-0.60524	4.176283	0.000472	0.003562	-0.12725
ADRB2	0.837483	-0.44234	4.17558	0.000472	0.003566	-0.12883
ZNF219	0.747198	-0.28509	4.175188	0.000473	0.003567	-0.12971
ARID5A	-1.03956	0.755762	-4.17509	0.000473	0.003567	-0.12993
PRO2012	-1.02293	0.155399	-4.1749	0.000473	0.003568	-0.13036
DGCR8	0.820836	-0.25511	4.174618	0.000474	0.003568	-0.13098
RAB6A	-0.96431	0.322865	-4.17441	0.000474	0.003568	-0.13146
SP2	-1.33191	1.212111	-4.17435	0.000474	0.003568	-0.13159
SRSF9	-0.50665	0.349574	-4.17409	0.000474	0.003569	-0.13217
VAMP4	-1.47742	0.393005	-4.17306	0.000475	0.003576	-0.13446
GPHB5	0.944543	-0.46624	4.172372	0.000476	0.00358	-0.13601
LOC72973	-1.33647	0.902145	-4.17222	0.000476	0.00358	-0.13635
PLSCR1	-2.48571	1.341671	-4.17181	0.000477	0.003582	-0.13727
C8orf31	0.905866	-0.5586	4.17143	0.000477	0.003584	-0.13812
TPX2	-1.51334	1.113535	-4.17093	0.000478	0.003587	-0.13924
C3orf54	1.455881	-0.30377	4.170633	0.000478	0.003588	-0.13991
VOPP1	-0.78219	0.367048	-4.1703	0.000478	0.003588	-0.14066
KRTAP8-1	-0.92941	0.230332	-4.16969	0.000479	0.003592	-0.14203
GPRC6A	-0.59215	0.00695	-4.16947	0.000479	0.003592	-0.14251
LOC100501	-0.99165	0.971373	-4.16934	0.000479	0.003592	-0.14281
SEMG1	1.720413	-0.59045	4.168603	0.00048	0.003596	-0.14446
STRC	1.172299	-0.38157	4.232408	0.000508	0.003728	-0.14462
Mar-11	-1.35411	0.382402	-4.16831	0.000481	0.003596	-0.14513
LOC400236	-0.92888	0.526553	-4.16824	0.000481	0.003596	-0.14527
SCFD2	1.152348	-0.37846	4.168212	0.000481	0.003596	-0.14533
SAA2	0.530799	-0.54098	4.26989	0.000526	0.003813	-0.14569
MOSPD3	-1.42899	1.017052	-4.16792	0.000481	0.003597	-0.146
RPS6KC1	-0.91728	0.433983	-4.16749	0.000481	0.003599	-0.14696
SCYL1	-0.96456	0.881912	-4.16719	0.000482	0.0036	-0.14763
C17orf62	-0.90405	0.601837	-4.16688	0.000482	0.003601	-0.14832
GNB2	-1.12431	0.936193	-4.1668	0.000482	0.003601	-0.14849

ERVV-2	0.897541	-0.65116	4.16441	0.000485	0.003618	-0.15385
LMOD1	0.917716	-0.54478	4.163298	0.000486	0.003625	-0.15635
JAK2	-1.97831	1.036686	-4.16319	0.000486	0.003625	-0.15658
CCDC124	0.747292	-0.32046	4.163158	0.000486	0.003625	-0.15666
UBXN6	1.780894	-0.73229	4.162528	0.000487	0.003629	-0.15807
HIST2H2BE	-1.874	1.247679	-4.16214	0.000487	0.00363	-0.15893
TNS1	2.967957	-1.02548	4.161279	0.000488	0.003636	-0.16087
HIST1H2BF	-1.55664	1.303783	-4.16055	0.000489	0.003641	-0.16251
RAC3	0.949631	-0.40753	4.159771	0.00049	0.003645	-0.16425
MGAT4C	1.020795	-0.29334	4.188217	0.000505	0.003714	-0.1675
KDM1B	-1.78497	1.177556	-4.15802	0.000492	0.003658	-0.16818
BCDIN3D	-0.80625	0.398179	-4.15789	0.000492	0.003658	-0.16846
ARL6IP6	-1.16317	0.557505	-4.15745	0.000493	0.00366	-0.16945
RABEPK	-0.61551	0.336404	-4.15736	0.000493	0.00366	-0.16965
KCNK15	0.957206	-0.40409	4.157246	0.000493	0.00366	-0.1699
C20orf201	1.265568	-0.51671	4.15569	0.000495	0.00367	-0.17339
CNGA1	1.034834	-0.39089	4.155656	0.000495	0.00367	-0.17347
FKRP	-0.74508	0.693573	-4.15484	0.000496	0.003676	-0.1753
CACNG6	2.451106	-1.11796	4.154644	0.000496	0.003676	-0.17573
C15orf29	0.782364	-0.51836	4.154419	0.000496	0.003677	-0.17624
HIST1H2BA	1.130713	-0.56744	4.17317	0.000523	0.003796	-0.17673
DEFB4A	1.400988	-0.65321	4.153156	0.000498	0.003686	-0.17907
MCU	-1.69068	1.581986	-4.15296	0.000498	0.003687	-0.17951
FTMT	1.586256	-0.49684	4.152459	0.000499	0.00369	-0.18063
MFAP3L	1.722282	-0.51261	4.152122	0.000499	0.003691	-0.18138
OSTF1	-1.16082	0.727615	-4.15168	0.0005	0.003693	-0.18238
RSL1D1	-1.1276	1.051607	-4.15132	0.0005	0.003695	-0.18318
MRPL53	-0.81564	0.479413	-4.15112	0.0005	0.003695	-0.18362
CFL1	-0.90005	0.64294	-4.1508	0.000501	0.003697	-0.18435
RALGAPA2	-1.69712	0.996532	-4.15061	0.000501	0.003697	-0.18478
HNRNPH2	-1.0816	0.551932	-4.14977	0.000502	0.003701	-0.18666
HIST1H3G	-1.31666	1.221087	-4.14963	0.000502	0.003701	-0.18697
TENC1	1.190057	-0.36238	4.212504	0.000531	0.003832	-0.18703
CACNA2D4	-1.12673	0.544686	-4.1495	0.000502	0.003701	-0.18727
PRDM12	-0.70901	0.124363	-4.14945	0.000502	0.003701	-0.18736
SLC47A2	0.964552	-0.29415	4.212323	0.000531	0.003832	-0.18742
SIRPA	-2.16658	1.507685	-4.14935	0.000502	0.003701	-0.1876
TMEM95	1.332834	-0.67923	4.148786	0.000503	0.003704	-0.18886
CTAGE1	1.045256	-0.24035	4.148114	0.000504	0.003709	-0.19036
TAS2R39	0.969878	-0.65484	4.147669	0.000504	0.003711	-0.19136
LRRC37A4	-0.95546	0.657123	-4.14755	0.000504	0.003711	-0.19162
IL1RN	-1.49771	0.907462	-4.14699	0.000505	0.003713	-0.19289
FAM110A	1.097369	-0.34186	4.14697	0.000505	0.003713	-0.19293
ZDHHC9	-0.92749	0.807567	-4.14611	0.000506	0.003717	-0.19486
HES2	0.99747	-0.64263	4.145833	0.000506	0.003717	-0.19547
TM4SF5	1.09985	-0.48286	4.145046	0.000507	0.003723	-0.19723
SEMA6C	0.598399	-0.27562	4.144913	0.000507	0.003723	-0.19753

HR	1.094506	-0.42877	4.143883	0.000509	0.003728	-0.19984
RNF215	1.035682	-0.31462	4.143845	0.000509	0.003728	-0.19993
C1orf194	0.934143	-0.43583	4.143428	0.000509	0.00373	-0.20086
POTEB	-1.70296	0.569901	-4.14303	0.00051	0.003732	-0.20176
LRRC7	2.320973	-0.70563	4.44556	0.000677	0.004488	-0.20231
FUNDC2P2	1.063079	-0.93507	4.142323	0.000511	0.003736	-0.20334
LOC100128	0.902523	-0.72569	4.14222	0.000511	0.003736	-0.20357
C11orf9	0.626695	-0.30999	4.141547	0.000511	0.00374	-0.20507
ELMO2	-1.82382	1.321647	-4.14139	0.000512	0.00374	-0.20542
LOC100130	-1.36929	0.908806	-4.14128	0.000512	0.00374	-0.20568
GNS	-1.9117	0.998145	-4.14079	0.000512	0.003743	-0.20677
SCCPDH	-0.99438	0.282982	-4.13965	0.000514	0.003752	-0.20932
CRNDE	-1.54111	0.384372	-4.19163	0.000556	0.003948	-0.20982
STK33	1.455593	-0.31618	4.157589	0.000542	0.003873	-0.21069
PSME4	0.818231	-0.79164	4.138362	0.000515	0.003762	-0.21221
ANKLE1	0.801198	-0.36797	4.137923	0.000516	0.003764	-0.21319
C21orf91	-1.02338	0.511929	-4.13776	0.000516	0.003764	-0.21355
PLEKHG1	-1.89215	0.847692	-4.137	0.000517	0.003769	-0.21527
ITGAX	-1.798	1.365248	-4.13606	0.000518	0.003774	-0.21736
TXNDC11	-0.97631	1.020538	-4.13591	0.000518	0.003774	-0.21769
FSIP2	1.349202	-0.27917	4.13581	0.000518	0.003774	-0.21793
CHST2	-1.52536	1.250512	-4.13567	0.000519	0.003774	-0.21823
CYB561D1	1.071221	-0.71872	4.135673	0.000519	0.003774	-0.21823
C16orf45	1.23251	-0.92397	4.134684	0.00052	0.003779	-0.22045
ZNRF4	0.970777	-0.36179	4.134481	0.00052	0.003779	-0.2209
LOC100134	1.054399	-0.8457	4.134427	0.00052	0.003779	-0.22102
TMEM60	-0.76971	0.374174	-4.13347	0.000521	0.003786	-0.22317
SLC35A4	-0.51906	0.450822	-4.13281	0.000522	0.003791	-0.22464
OR5V1	0.83335	-0.50787	4.131399	0.000524	0.003801	-0.2278
ATMIN	-0.63998	0.262318	-4.13087	0.000524	0.003804	-0.22899
MGC16703	-0.58497	0.243314	-4.1297	0.000526	0.003813	-0.23162
MTIF3	-0.79726	0.365828	-4.12903	0.000527	0.003816	-0.23311
CRISPLD1	-0.90129	0.397629	-4.1288	0.000527	0.003816	-0.23363
ARVP6125	-1.13869	0.266415	-4.12874	0.000527	0.003816	-0.23375
GALR3	0.957828	-0.64597	4.128437	0.000527	0.003817	-0.23444
LINC00167	1.060549	-0.44799	4.12814	0.000528	0.003818	-0.23511
TBC1D3F	-1.17101	0.830395	-4.12759	0.000528	0.003821	-0.23634
AP3M1	-1.1462	0.655722	-4.12748	0.000529	0.003821	-0.23658
NEUROD2	1.059173	-0.38565	4.127137	0.000529	0.003823	-0.23735
ELL	-1.04442	1.015036	-4.12573	0.000531	0.003832	-0.24051
HINT2	1.020779	-0.66347	4.125707	0.000531	0.003832	-0.24055
AFF4	-1.20927	1.014102	-4.12549	0.000531	0.003832	-0.24103
PSG1	-0.95973	0.445514	-4.12489	0.000532	0.003833	-0.24239
IKZF1	-1.13974	1.018536	-4.12444	0.000532	0.003836	-0.24339
NANS	-0.86498	0.427186	-4.12408	0.000533	0.003837	-0.24419
CUL3	-1.04722	0.29636	-4.1229	0.000534	0.003844	-0.24683
TMEM50A	-0.70695	0.305791	-4.12278	0.000534	0.003844	-0.2471

CSRNP2	-0.58086	0.183445	-4.12271	0.000534	0.003844	-0.24728
PXK	-1.20496	1.287506	-4.12267	0.000534	0.003844	-0.24735
BRWD1-IT1	1.422896	-0.6153	4.122007	0.000535	0.003849	-0.24884
MB21D1	-1.37416	0.823574	-4.12168	0.000536	0.00385	-0.24957
FAM189B	-0.5506	0.677406	-4.12162	0.000536	0.00385	-0.2497
PCDHB1	1.048365	-0.58059	4.121	0.000537	0.003853	-0.2511
ASF1B	0.911219	-0.47056	4.120923	0.000537	0.003853	-0.25127
CD99P1	-1.15482	0.444672	-4.1208	0.000537	0.003853	-0.25154
TYK2	-1.19582	1.221753	-4.12023	0.000538	0.003857	-0.25283
H2AFX	-0.8702	0.910303	-4.11946	0.000538	0.003862	-0.25454
COP55	-0.95428	0.17452	-4.11909	0.000539	0.003863	-0.25537
FAM72D	-1.76281	0.935137	-4.119	0.000539	0.003863	-0.25558
GSX2	-0.61921	0.256226	-4.13671	0.000568	0.004004	-0.25621
PPP1R2	-0.92109	0.629251	-4.11835	0.00054	0.003868	-0.25704
TUBGCP6	-0.6726	0.649113	-4.11787	0.00054	0.00387	-0.2581
TMEM41B	-1.10419	0.342834	-4.11777	0.000541	0.00387	-0.25833
ABI1	-0.91799	0.397841	-4.11761	0.000541	0.00387	-0.25869
CHIC2	-1.43225	1.024627	-4.11732	0.000541	0.003871	-0.25935
KAT8	-0.7153	0.515105	-4.1172	0.000541	0.003871	-0.2596
DEFB129	0.978409	-0.79243	4.116711	0.000542	0.003873	-0.2607
ZNF85	-0.61173	0.030573	-4.11509	0.000544	0.003886	-0.26434
AKIRIN2	-1.32323	1.145347	-4.11467	0.000545	0.003888	-0.26529
HDGFRP2	-0.89537	0.739707	-4.1146	0.000545	0.003888	-0.26542
ZCCHC8	-0.51273	0.125622	-4.11359	0.000546	0.003895	-0.26769
IGSF23	1.490299	-0.88723	4.130963	0.000576	0.004033	-0.26873
CCDC8	1.001949	-0.8902	4.113044	0.000547	0.003899	-0.26892
COTL1	-1.25417	0.993432	-4.11272	0.000547	0.0039	-0.26964
PSMC6	-1.88841	0.551467	-4.11259	0.000547	0.0039	-0.26992
EXOG	-1.16104	0.77826	-4.11109	0.000549	0.003912	-0.27329
MOB2	0.597069	-0.29501	4.110312	0.00055	0.003918	-0.27503
TKTL1	1.302238	-0.43299	4.11015	0.00055	0.003918	-0.2754
S100A9	-1.83853	1.008109	-4.10968	0.000551	0.003921	-0.27646
DIRAS1	1.1918	-0.62578	4.109387	0.000551	0.003922	-0.27711
DDX4	1.082338	-0.33678	4.126685	0.000581	0.004063	-0.27806
NGLY1	-0.65295	0.165078	-4.10796	0.000553	0.003934	-0.2803
GPR101	0.842232	-0.32432	4.135965	0.000569	0.004008	-0.28183
CHST12	0.909432	-0.21541	4.106924	0.000554	0.003942	-0.28262
NUDT12	1.016626	-0.44288	4.157301	0.0006	0.004141	-0.28274
ALDH3A1	0.919685	-0.27081	4.106754	0.000555	0.003942	-0.283
SPDYE1	-0.88506	0.178832	-4.10652	0.000555	0.003942	-0.28353
EIF4G3	-1.30982	0.869059	-4.10647	0.000555	0.003942	-0.28364
WNT10A	1.093515	-0.51556	4.105671	0.000556	0.003948	-0.28543
ZNF643	-0.89494	0.758969	-4.13288	0.000573	0.004023	-0.28858
MYADML	0.830419	-0.55354	4.104011	0.000558	0.00396	-0.28914
TGFBRAP1	-0.6877	0.706113	-4.10342	0.000559	0.003964	-0.29047
PRSS3	0.924489	-0.46477	4.10324	0.000559	0.003964	-0.29087
RGS10	1.453994	-0.76833	4.102796	0.00056	0.003967	-0.29187

ATP2B2	0.754912	-0.34234	4.120058	0.00059	0.004104	-0.2925
ANKRD55	-2.36868	1.456887	-4.10225	0.000561	0.003971	-0.29309
GPR68	0.630575	-0.46043	4.10204	0.000561	0.003971	-0.29356
UQCR11	-0.58216	0.179588	-4.10156	0.000561	0.003974	-0.29464
ECSCR	-2.48286	0.659062	-4.10136	0.000562	0.003974	-0.29508
DNAL4	1.170301	-0.67299	4.101227	0.000562	0.003974	-0.29538
YTHDF3	-1.45489	0.896543	-4.10075	0.000562	0.003977	-0.29644
KIF2B	1.106187	-0.3968	4.160759	0.000596	0.004128	-0.29734
CREB5	-1.94447	1.572472	-4.10034	0.000563	0.003979	-0.29736
CLASRP	-1.02327	0.817733	-4.10028	0.000563	0.003979	-0.29749
ERCC3	-0.86248	0.492212	-4.10013	0.000563	0.003979	-0.29784
CWH43	-0.87332	0.131009	-4.12824	0.000579	0.004054	-0.29873
TOMM40L	-0.81863	0.900086	-4.09888	0.000565	0.003989	-0.30064
PIWIL4	-1.50587	0.831402	-4.09861	0.000565	0.00399	-0.30123
SIX5	0.844413	-0.50305	4.098416	0.000566	0.003991	-0.30167
IL4	1.786074	-0.67369	4.115731	0.000596	0.004128	-0.30194
C20orf3	-1.29221	0.8242	-4.09793	0.000566	0.003994	-0.30276
FLJ26850	1.926099	-1.31997	4.225923	0.000654	0.004386	-0.30351
LDB1	0.97409	-0.68911	4.097255	0.000567	0.003998	-0.30427
TBKBP1	1.011077	-0.25657	4.096318	0.000568	0.004004	-0.30637
SLC39A8	-1.5991	0.401192	-4.15606	0.000602	0.004147	-0.30736
ELOVL1	-0.6883	0.480774	-4.0955	0.000569	0.004009	-0.30821
KRT18P55	-1.21952	0.401368	-4.09522	0.00057	0.00401	-0.30882
PCSK2	-1.40073	0.159088	-4.11247	0.0006	0.004141	-0.30904
EFCAB2	-2.03829	1.441899	-4.09505	0.00057	0.00401	-0.30922
SPRY1	-1.68709	0.565053	-4.09437	0.000571	0.004015	-0.31074
UGT1A8	1.430898	-0.4132	4.154245	0.000604	0.004158	-0.31123
C7orf23	1.047086	-0.83307	4.094084	0.000571	0.004017	-0.31137
MAFF	1.499571	-0.68097	4.093868	0.000572	0.004017	-0.31185
SLC22A14	1.11851	-0.45266	4.093721	0.000572	0.004017	-0.31218
SYNPR	-0.99576	0.174841	-4.09341	0.000572	0.004019	-0.31287
RGS9	1.476389	-0.74603	4.092274	0.000574	0.004026	-0.31542
METTL11A	0.632398	-0.25306	4.092068	0.000574	0.004027	-0.31589
TAS2R16	-0.71351	0.085561	-4.0919	0.000574	0.004027	-0.31626
KIF27	0.772933	-0.64146	4.090957	0.000575	0.004033	-0.31837
NUP43	0.844935	-0.83759	4.08986	0.000577	0.004042	-0.32083
MED11	-0.5676	0.1987	-4.08904	0.000578	0.004048	-0.32266
CLSTN2	1.883383	-1.1392	4.263091	0.000694	0.004552	-0.32416
LOC39070!	-0.84836	0.681275	-4.08798	0.000579	0.004054	-0.32505
DNAJC7	-0.77301	0.402669	-4.08797	0.00058	0.004054	-0.32507
PRDM5	-2.36235	1.219289	-4.08738	0.00058	0.004058	-0.32639
VN1R4	-1.37852	-0.29799	-4.14674	0.000614	0.004199	-0.32725
DARC	1.463191	-0.51441	4.086422	0.000582	0.004063	-0.32853
LINC00202	1.308524	-0.43595	4.103503	0.000613	0.00419	-0.32859
ART5	1.316814	-0.51098	4.086374	0.000582	0.004063	-0.32864
TAS2R19	-0.94262	0.229819	-4.08538	0.000583	0.004071	-0.33087
XKR5	1.422264	-0.63847	4.170427	0.000651	0.00437	-0.33197

LOC51145	1.664391	-0.45474	4.112816	0.0006	0.004141	-0.33247
SGK1	1.419395	-0.87434	4.084567	0.000584	0.004077	-0.33268
C6orf64	-0.75971	0.278003	-4.08444	0.000584	0.004077	-0.33295
AASDHPPT	-0.83924	0.476718	-4.08405	0.000585	0.004079	-0.33385
ZFP36L2	0.978509	0.029792	4.083265	0.000586	0.004085	-0.33559
TRIM29	1.226797	-0.48481	4.082727	0.000587	0.004089	-0.3368
AFMID	-1.28611	0.854602	-4.0825	0.000587	0.00409	-0.33731
BPIFA1	1.499854	-1.03734	4.109913	0.000604	0.004156	-0.33883
HJURP	-1.48159	1.119292	-4.08128	0.000589	0.004099	-0.34004
Mar-03	-0.90431	0.58942	-4.08127	0.000589	0.004099	-0.34007
TGS1	-0.91874	0.549436	-4.08088	0.000589	0.0041	-0.34093
MRPL44	-1.11364	0.900498	-4.0808	0.000589	0.0041	-0.34111
MARS	-1.06094	0.801743	-4.07971	0.000591	0.004107	-0.34356
MGAT4A	-1.09589	0.025238	-4.07961	0.000591	0.004107	-0.34378
CSN3	1.179648	-0.25817	4.079321	0.000591	0.004108	-0.34443
FAF2	-1.28021	1.24774	-4.07925	0.000591	0.004108	-0.34459
LGALS3	1.477178	-1.02238	4.07911	0.000592	0.004108	-0.3449
GPR78	0.901894	-0.49722	4.077963	0.000593	0.004117	-0.34746
BAIAP2L2	-1.06188	0.274667	-4.07708	0.000594	0.004124	-0.34945
HSPC072	1.672559	-0.56626	4.076795	0.000595	0.004126	-0.35008
CD58	-1.93417	0.387282	-4.07625	0.000596	0.004128	-0.35129
ADD3	-0.76925	0.097812	-4.07567	0.000596	0.004131	-0.3526
GFRA4	0.874807	-0.32295	4.075344	0.000597	0.004132	-0.35333
PCDH15	0.594705	-0.14698	4.075055	0.000597	0.004132	-0.35397
PLEKHA2	-0.96169	0.372957	-4.07491	0.000597	0.004132	-0.3543
SLC35B3	-1.03991	0.254774	-4.0749	0.000597	0.004132	-0.35432
FEZ1	1.287692	-0.45635	4.090954	0.00063	0.004276	-0.35594
LOC10065	0.645277	-0.43272	4.073878	0.000599	0.004139	-0.35661
FXD4	1.028397	-0.58118	4.073813	0.000599	0.004139	-0.35675
MTDH	-1.35658	0.569056	-4.07373	0.000599	0.004139	-0.35693
C12orf4	-1.08299	0.23272	-4.073	0.0006	0.004141	-0.35858
KIAA0087	-1.20974	0.255964	-4.0896	0.000632	0.004284	-0.3589
KHNYN	-0.52143	0.425334	-4.07266	0.000601	0.004141	-0.35933
PYROXD1	-1.44713	0.331858	-4.0725	0.000601	0.004141	-0.3597
ARMC10	-0.759	0.247566	-4.07242	0.000601	0.004141	-0.35987
PTN	0.810803	-0.18018	4.130635	0.000637	0.004299	-0.36158
PLA2G4D	0.666358	-0.45812	4.071436	0.000602	0.004148	-0.36208
SLC25A48	1.078456	-0.47509	4.088006	0.000635	0.004291	-0.36237
PABPN1	-0.50825	0.408106	-4.07117	0.000603	0.004149	-0.36267
FHL5	2.112967	-0.78474	4.086645	0.000637	0.004299	-0.36533
C16orf53	-0.63661	0.502141	-4.06967	0.000605	0.004159	-0.36603
FBXO6	-1.4178	0.913632	-4.06856	0.000606	0.004169	-0.3685
DRD5	-1.3741	0.326274	-4.06823	0.000607	0.00417	-0.36925
GOLGA8IP	0.615889	-0.674	4.067899	0.000607	0.004172	-0.36999
FAM182B	-1.68643	0.568903	-4.06751	0.000608	0.004174	-0.37087
C21orf88	0.756422	-0.69185	4.067099	0.000608	0.004175	-0.37178
CYP2W1	1.027524	-0.60381	4.06708	0.000608	0.004175	-0.37183

IER3	-1.25986	0.567191	-4.06702	0.000609	0.004175	-0.37195
MAPK11	1.193977	-0.79586	4.066869	0.000609	0.004175	-0.3723
MDM4	-0.8731	0.63587	-4.06673	0.000609	0.004175	-0.37261
MGC34796	0.797442	-0.67297	4.066135	0.00061	0.004179	-0.37394
CARD6	-1.45906	0.650773	-4.06554	0.000611	0.004182	-0.37528
HAPLN2	0.861287	-0.34331	4.065406	0.000611	0.004182	-0.37557
C2CD3	-0.88011	0.489918	-4.06536	0.000611	0.004182	-0.37567
ZKSCAN2	0.797615	-0.54367	4.064867	0.000612	0.004186	-0.37678
ANKZF1	-0.75953	0.81615	-4.06445	0.000612	0.004188	-0.37772
ZNF791	-1.21726	0.956052	-4.06353	0.000613	0.004194	-0.37976
LPIN3	1.277747	-0.4989	4.062484	0.000615	0.004202	-0.38211
FFAR1	0.752078	-0.62182	4.061795	0.000616	0.004207	-0.38365
DUSP5P	1.6759	-0.45767	4.061485	0.000616	0.004208	-0.38435
KREMEN1	-1.69084	1.4201	-4.06095	0.000617	0.004212	-0.38555
MPHOSPH	-1.05672	0.551155	-4.05985	0.000619	0.004222	-0.38801
SEC23B	-0.92238	0.496169	-4.05913	0.00062	0.004227	-0.38961
UBE2D1	-1.61119	0.811155	-4.05867	0.00062	0.00423	-0.39065
NDUFV2	-0.63693	0.06879	-4.05825	0.000621	0.004232	-0.3916
JUNB	-0.85565	0.850348	-4.05823	0.000621	0.004232	-0.39164
A4GALT	1.192088	-0.53127	4.116365	0.000657	0.004395	-0.39202
C16orf70	-0.72401	0.307286	-4.05787	0.000622	0.004234	-0.39243
DLEU2	-0.91666	0.276698	-4.08448	0.00064	0.004315	-0.39447
C10orf91	0.677083	-0.28987	4.055922	0.000624	0.004251	-0.3968
TMEM8A	-0.84693	0.448709	-4.0557	0.000625	0.004252	-0.39729
F13B	1.504437	-0.12285	4.082821	0.000642	0.004324	-0.39809
ACADL	1.024848	-0.24516	4.055123	0.000626	0.004256	-0.39859
C8G	0.665297	-0.11909	4.054985	0.000626	0.004256	-0.39889
UBE2J2	-0.99036	0.843004	-4.05448	0.000627	0.004259	-0.40002
C20orf24	-1.20096	0.483	-4.05438	0.000627	0.004259	-0.40025
NKD2	1.222576	-0.59417	4.054258	0.000627	0.004259	-0.40052
S100A7	0.700672	-0.13087	4.054059	0.000627	0.00426	-0.40097
FLJ12825	-0.8577	0.462357	-4.05377	0.000628	0.004261	-0.40161
LOC64898	-0.87155	0.804098	-4.05337	0.000628	0.004263	-0.4025
CASP9	-0.66697	0.524769	-4.05242	0.00063	0.004271	-0.40462
LAMB3	-1.25543	0.690103	-4.05141	0.000631	0.004279	-0.4069
CEP85	-0.70247	0.648993	-4.05119	0.000631	0.004279	-0.40739
ROPN1B	1.011397	-0.19854	4.078037	0.000649	0.004359	-0.40855
HCRT	0.937436	-0.54331	4.049716	0.000634	0.00429	-0.41068
MAP3K7	-0.7556	0.310636	-4.04968	0.000634	0.00429	-0.41076
FAR1	-1.64288	0.467054	-4.04923	0.000634	0.004291	-0.41178
C14orf21	0.669444	-0.37139	4.049174	0.000634	0.004291	-0.4119
REXO1L1	-1.79867	0.41728	-4.04916	0.000634	0.004291	-0.41194
CALM3	-0.78478	0.601244	-4.04822	0.000636	0.004297	-0.41402
FAM151A	0.690232	-0.50001	4.105949	0.000673	0.004469	-0.41423
GTPBP2	-1.61179	1.514472	-4.04779	0.000636	0.004299	-0.41499
KCNQ4	0.726369	-0.38873	4.105076	0.000674	0.004476	-0.41609
CCAR1	-1.3406	0.875715	-4.04681	0.000638	0.004305	-0.41718

NUDT15	-1.38124	0.564304	-4.04565	0.00064	0.004315	-0.41977
SCGB1A1	0.767802	-0.53554	4.045031	0.000641	0.004319	-0.42117
RIN3	-1.08983	1.022451	-4.04475	0.000641	0.00432	-0.42179
INPPL1	-0.94065	0.705731	-4.04434	0.000642	0.004323	-0.42272
UBE2G2	-0.99224	0.962668	-4.0441	0.000642	0.004324	-0.42324
CDCA5	-1.95103	1.581631	-4.0437	0.000643	0.004325	-0.42414
CBWD6	1.139157	-0.25788	4.07066	0.00066	0.004411	-0.42469
NTN1	0.786981	-0.23374	4.090315	0.000696	0.004558	-0.42509
SLC39A5	0.993409	-0.65694	4.04247	0.000644	0.004336	-0.4269
TFG	-0.7983	0.641562	-4.0417	0.000646	0.004342	-0.42861
ANKS4B	-1.25571	0.335692	-4.06854	0.000663	0.004424	-0.42932
MEF2A	-1.59605	0.966953	-4.04049	0.000647	0.004353	-0.43134
C6orf89	-0.94648	0.904348	-4.04034	0.000648	0.004353	-0.43166
LOC145694	1.024822	-0.5083	4.039612	0.000649	0.004359	-0.43329
UHRF2	-0.99456	0.796279	-4.0394	0.000649	0.004359	-0.43376
SDHD	-0.96515	0.339452	-4.03822	0.000651	0.004368	-0.43642
CRB3	0.940573	-0.50394	4.036054	0.000654	0.004386	-0.44125
ZNF683	2.056641	-0.80274	4.035904	0.000654	0.004386	-0.44159
MAP1LC3A	1.538538	-0.54355	4.035675	0.000655	0.004387	-0.4421
BTN2A3P	0.766366	-0.35165	4.035153	0.000655	0.004391	-0.44327
RIMBP2	0.810126	-0.4837	4.034894	0.000656	0.004392	-0.44385
LINC00315	0.736014	-0.48388	4.034647	0.000656	0.004393	-0.4444
CA4	-1.76539	1.011944	-4.03438	0.000657	0.004394	-0.44499
SMTNL2	-1.17165	0.184937	-4.03417	0.000657	0.004395	-0.44547
CCNG2	-1.47806	0.782054	-4.03324	0.000658	0.004401	-0.44756
SIGLEC9	-1.26665	0.810117	-4.03296	0.000659	0.004403	-0.44819
C12orf59	1.703038	-0.48746	4.047458	0.000696	0.004558	-0.45073
TAL1	1.179314	-0.45507	4.031746	0.000661	0.004412	-0.45089
FOXK1	-0.60506	0.34677	-4.03144	0.000661	0.004414	-0.45157
CD99	1.184252	-0.51437	4.030498	0.000663	0.004422	-0.45368
ATP10B	1.037986	-0.65704	4.030379	0.000663	0.004422	-0.45395
RASL11B	1.307173	-0.53937	4.123875	0.000809	0.005065	-0.4549
CTF1	1.144928	-0.50442	4.029791	0.000664	0.004424	-0.45527
DOK3	-1.69917	1.213968	-4.02971	0.000664	0.004424	-0.45544
PRAMEF2	-1.10685	0.17294	-4.05588	0.000683	0.004509	-0.45702
CSMD1	0.77311	-0.54901	4.054537	0.000685	0.004515	-0.45996
TRIM39	-0.83542	0.660591	-4.02705	0.000668	0.004449	-0.4614
MAP3K14	0.863116	-0.25826	4.027039	0.000668	0.004449	-0.46142
GPR149	0.67005	-0.72994	4.053668	0.000686	0.004521	-0.46186
CALM2	-0.92529	0.403108	-4.02613	0.000669	0.004457	-0.46347
ARL16	-1.00078	0.348721	-4.02594	0.00067	0.004457	-0.46387
DPEP3	1.146169	-0.44728	4.025808	0.00067	0.004457	-0.46417
JAM2	-1.26959	0.401473	-4.02506	0.000671	0.004463	-0.46585
GSTM2P1	1.711077	-0.56765	4.024701	0.000672	0.004465	-0.46665
EIF4G1	0.702889	-0.3672	4.024031	0.000673	0.004469	-0.46815
LOC100294	1.207791	-0.37071	4.079835	0.000713	0.004639	-0.46993
MCF2L2	0.827659	-0.19962	4.023024	0.000674	0.004477	-0.4704

TRIM53P	-1.43105	0.758141	-4.02249	0.000675	0.004481	-0.47161
ProSAPiP1	0.928085	-0.64118	4.021507	0.000677	0.004488	-0.47379
PPP1R12C	-0.82692	0.63911	-4.02128	0.000677	0.004489	-0.47431
HTR7P1	-0.91709	0.374187	-4.02079	0.000678	0.004492	-0.4754
LAMP1	-1.41299	1.021832	-4.02057	0.000678	0.004492	-0.47589
PPWD1	-1.0068	0.453121	-4.02052	0.000678	0.004492	-0.47601
RORA	1.911421	-1.53234	4.020314	0.000679	0.004493	-0.47646
ALDH1L2	-1.48457	0.536448	-4.01976	0.000679	0.004497	-0.4777
CMTM7	-1.04849	0.952059	-4.01961	0.00068	0.004497	-0.47803
C7orf41	1.199716	-0.60074	4.019299	0.00068	0.004499	-0.47873
ZNF557	-0.75128	0.487423	-4.01858	0.000681	0.004504	-0.48035
DNAL1	-0.61262	0.193042	-4.01844	0.000681	0.004504	-0.48064
ITGB1BP3	1.433839	-0.5195	4.018346	0.000682	0.004504	-0.48087
CYGB	1.830077	-0.53703	4.018218	0.000682	0.004504	-0.48115
ZDHHC3	-1.41523	0.81098	-4.01726	0.000683	0.00451	-0.4833
CELA1	1.062019	-0.87169	4.017166	0.000684	0.00451	-0.48351
GDAP2	-1.10743	0.650333	-4.01713	0.000684	0.00451	-0.48358
LOC100506	1.103016	-0.18395	4.01655	0.000684	0.004514	-0.48488
DPCD	1.081436	-0.37231	4.016061	0.000685	0.004516	-0.48598
LOC100288	0.99035	-0.85674	4.014438	0.000688	0.00453	-0.4896
SLC25A16	-0.7604	0.198742	-4.01419	0.000688	0.004532	-0.49015
HIST1H2BF	-1.3313	1.15639	-4.01368	0.000689	0.004535	-0.4913
DYNC1I2	-0.86265	0.352364	-4.01351	0.000689	0.004536	-0.49167
C1orf70	0.717299	-0.60335	4.013056	0.00069	0.004539	-0.4927
LGI3	0.944709	-0.78325	4.012909	0.00069	0.004539	-0.49303
SELO	-0.68913	0.534615	-4.01254	0.000691	0.004541	-0.49385
ICOSLG	1.83505	-0.5512	4.012114	0.000692	0.004544	-0.4948
NMI	-1.17568	0.465849	-4.01205	0.000692	0.004544	-0.49495
FLJ37798	-0.63327	0.050723	-4.01111	0.000693	0.004552	-0.49705
FAM115C	-1.06237	0.426397	-4.01089	0.000694	0.004552	-0.49753
TRIM34	-1.31413	1.479226	-4.01048	0.000694	0.004554	-0.49845
VAC14	-0.83351	0.905092	-4.00989	0.000695	0.004558	-0.49979
LOC644656	-1.00836	0.654314	-4.00953	0.000696	0.004558	-0.50058
GTF2F2	-1.2063	0.511086	-4.00949	0.000696	0.004558	-0.50066
KAT7	-0.81975	0.600379	-4.00921	0.000696	0.004558	-0.5013
LINC00466	-0.48322	0.014195	-4.02396	0.000734	0.004734	-0.50194
FICD	-0.83626	1.021918	-4.00743	0.000699	0.004576	-0.50527
TTY3	1.307229	-0.20783	4.006672	0.0007	0.004582	-0.50697
C2orf67	-1.08428	0.754241	-4.00645	0.000701	0.004582	-0.50746
GOLGA6A	-1.28069	0.457208	-4.00644	0.000701	0.004582	-0.50749
C1orf85	0.710298	-0.27574	4.005909	0.000702	0.004586	-0.50868
TLR10	-1.85215	1.219501	-4.00492	0.000703	0.004595	-0.5109
ANAPC4	-0.70729	0.13527	-4.00432	0.000704	0.0046	-0.51223
TTC21B	1.087815	-0.40746	4.004045	0.000705	0.004601	-0.51285
CUTA	1.172193	-0.62309	4.003847	0.000705	0.004602	-0.51329
TNRC6C	-0.70928	0.691229	-4.00325	0.000706	0.004607	-0.51462
PDCD6	-0.63612	0.218035	-4.00308	0.000706	0.004607	-0.51501

NKX2-5	0.891241	-0.58904	4.002567	0.000707	0.004611	-0.51615
BAGE	-1.5911	0.455286	-4.0007	0.00071	0.004628	-0.52032
HLTF	1.020201	-0.35807	4.000689	0.00071	0.004628	-0.52035
TRIM10	1.590839	-0.66558	4.000362	0.000711	0.00463	-0.52108
ZFAT	0.638268	-0.18186	3.999155	0.000713	0.004639	-0.52378
GNAI1	-1.2987	0.321889	-3.9991	0.000713	0.004639	-0.52391
LOC44017	0.868949	-0.44011	3.999027	0.000713	0.004639	-0.52407
SLITRK6	-0.91929	0.183445	-3.99763	0.000715	0.004652	-0.52718
FLCN	-1.2455	0.946674	-3.99687	0.000717	0.004658	-0.52889
TIAL1	-0.77031	0.29078	-3.9968	0.000717	0.004658	-0.52906
ENTHD1	1.384912	-0.58499	4.027674	0.0008	0.005031	-0.52949
CHUK	-1.40065	0.467639	-3.99557	0.000719	0.004669	-0.53181
LIM2	1.119379	-0.46358	3.995485	0.000719	0.004669	-0.53199
PSEN1	-1.38374	0.959353	-3.99503	0.00072	0.004672	-0.53301
PRSS37	0.87491	-0.38056	3.994953	0.00072	0.004672	-0.53318
SLC35A5	-1.16883	0.444945	-3.99458	0.00072	0.004673	-0.53401
DDI2	-0.60393	0.192983	-3.99446	0.000721	0.004673	-0.53429
DENND2D	-0.97329	0.900603	-3.99427	0.000721	0.004673	-0.5347
MYOG	1.08743	-0.67425	3.994247	0.000721	0.004673	-0.53475
HSPB8	1.436361	-0.49355	4.072146	0.000805	0.005047	-0.53509
KIAA1009	-1.87338	1.098556	-3.994	0.000721	0.004675	-0.53531
HMGCLL1	1.111686	-0.61618	3.993812	0.000722	0.004675	-0.53573
CYP4F22	2.002596	-0.55835	4.007476	0.000762	0.004858	-0.53784
OR4D2	0.966221	-0.58064	3.992561	0.000724	0.004687	-0.53852
OR5AP2	1.099223	-0.50924	3.992436	0.000724	0.004687	-0.5388
ENTPD8	1.773151	-0.73934	4.007021	0.000763	0.00486	-0.53883
UCN3	0.998926	-0.55037	3.991902	0.000725	0.004691	-0.54
USF2	-1.39177	1.268401	-3.99157	0.000726	0.004693	-0.54074
BDKRB1	-0.61324	0.088247	-3.99093	0.000727	0.004699	-0.54218
FABP3	-0.9871	0.578515	-3.99061	0.000727	0.004701	-0.54289
KRT6A	0.93372	-0.62515	4.004773	0.000767	0.004877	-0.54373
ZNF326	-0.6876	0.452528	-3.99017	0.000728	0.004704	-0.54387
LIPA	1.213479	-0.53059	3.989709	0.000729	0.004708	-0.5449
FLVCR2	-2.54202	1.077046	-3.98942	0.000729	0.004708	-0.54554
MAST1	1.181356	-0.42705	3.989418	0.000729	0.004708	-0.54555
SH3RF3	-1.41136	1.290085	-3.98785	0.000732	0.004722	-0.54905
ATG4A	-0.64427	0.185963	-3.98772	0.000732	0.004722	-0.54935
NR2F2	0.83385	-0.51378	3.987683	0.000732	0.004722	-0.54943
SNRK	-1.31337	0.974156	-3.98623	0.000735	0.004735	-0.55267
UGP2	-1.04927	0.603295	-4.01135	0.000756	0.004821	-0.5544
MDP1	-0.89446	0.487677	-3.98461	0.000737	0.004751	-0.55631
NRG1	1.385741	-0.61317	3.98384	0.000739	0.004758	-0.55802
ASB12	0.928002	-0.19784	3.983372	0.00074	0.004761	-0.55906
DMRT1	-0.9519	0.2716	-3.98331	0.00074	0.004761	-0.55921
FUK	-0.49208	0.340758	-3.98319	0.00074	0.004761	-0.55946
GLA	-0.87922	0.401309	-3.98262	0.000741	0.004762	-0.56074
TMEM39A	-0.73267	0.222601	-3.98251	0.000741	0.004762	-0.56099

A4GNT	0.735928	-0.36054	3.982478	0.000741	0.004762	-0.56106
GZMK	2.645147	-2.16871	3.982436	0.000741	0.004762	-0.56116
WDFY3	-1.8999	0.940233	-3.98239	0.000741	0.004762	-0.56127
GUCY1B2	1.275729	-0.55291	3.9819	0.000742	0.004765	-0.56235
LOC728735	1.032192	-0.43583	3.981782	0.000742	0.004765	-0.56262
ADAM10	-1.46336	0.65352	-3.98148	0.000743	0.004767	-0.5633
SCUBE1	0.631939	-0.08874	3.995611	0.000783	0.004949	-0.56369
ATP6V1C1	-2.18413	1.342952	-3.98102	0.000744	0.004771	-0.56432
KCTD16	1.599376	-0.39432	3.980268	0.000745	0.004778	-0.566
MYD88	-1.95292	1.661325	-3.9797	0.000746	0.004781	-0.56726
ATF1	-1.07888	0.713144	-3.97966	0.000746	0.004781	-0.56737
IRF2BPL	1.027404	-0.35394	3.979513	0.000746	0.004781	-0.56769
XPNPEP3	1.10209	-0.4733	3.978364	0.000748	0.004793	-0.57026
LINC00328	-1.42287	0.429453	-3.97772	0.000749	0.004798	-0.5717
HIST1H3C	-0.86103	0.770963	-3.97756	0.00075	0.004798	-0.57206
SNRPD3	-1.08485	0.830731	-3.97716	0.00075	0.004801	-0.57295
EEF1A2	0.718918	-0.29733	3.976543	0.000751	0.004807	-0.57433
SEC61B	-0.59184	0.324039	-3.97639	0.000752	0.004807	-0.57468
KCNAB2	-0.6325	0.472204	-3.97591	0.000753	0.004811	-0.57575
GPR56	2.003645	-0.52467	3.974987	0.000754	0.004818	-0.5778
MYBPH	2.13621	-0.90887	3.974951	0.000754	0.004818	-0.57789
GOLGA3	0.829468	-0.39122	3.974765	0.000755	0.004818	-0.5783
HIST1H2BL	-1.18731	1.014104	-3.97473	0.000755	0.004818	-0.57838
CRLF2	0.983555	-0.49409	3.974515	0.000755	0.004818	-0.57886
EIF5	-1.07878	0.678252	-3.9728	0.000758	0.004835	-0.58268
SERPINA6	0.85485	-0.50608	3.972247	0.000759	0.004839	-0.58393
C9orf95	-1.32067	0.669529	-3.97098	0.000761	0.004852	-0.58677
YWHAE	-1.2654	1.010622	-3.96991	0.000763	0.00486	-0.58916
SLC6A18	0.864558	-0.443	3.969096	0.000765	0.004866	-0.59097
SLX4	-0.83683	0.751896	-3.96897	0.000765	0.004866	-0.59125
AQP5	0.992669	-0.48766	3.968866	0.000765	0.004866	-0.59148
ASAH1	-1.54234	0.529179	-3.96826	0.000766	0.004872	-0.59283
CDC73	-1.19603	0.643883	-3.96655	0.000769	0.004887	-0.59665
KRTAP7-1	-0.77558	0.240284	-3.96647	0.000769	0.004887	-0.59684
ACTG1	-0.7499	0.612362	-3.96609	0.00077	0.00489	-0.59768
GTF3C3	-0.82391	0.253833	-3.96523	0.000771	0.004898	-0.5996
PLBD1	-1.79752	0.856696	-3.96486	0.000772	0.004901	-0.60044
ZNF493	-1.5194	1.165269	-3.96455	0.000773	0.004903	-0.60114
GNA15	-1.38556	0.959121	-3.96397	0.000774	0.004908	-0.60242
ZYX	-1.065	1.001357	-3.96371	0.000774	0.004909	-0.60301
CAPNS2	-1.1819	0.801448	-3.98874	0.000796	0.005011	-0.6038
SARNP	-1.54837	0.800462	-3.96334	0.000775	0.004912	-0.60383
C21orf58	1.293925	-0.63183	3.962343	0.000777	0.004922	-0.60606
LOC388387	-1.32778	0.625981	-3.96096	0.000779	0.004936	-0.60916
AMICA1	-1.4649	1.086723	-3.96081	0.000779	0.004936	-0.60948
RBMXL1	-0.98111	0.612632	-3.96053	0.00078	0.004938	-0.6101
Sep-14	-2.07257	1.532236	-3.96037	0.00078	0.004938	-0.61047

NAV2	-0.7798	0.094568	-3.96008	0.000781	0.00494	-0.6111
LACTB	-2.2437	0.823482	-3.9738	0.000823	0.005135	-0.61119
SPACA1	1.378883	-0.4999	3.95984	0.000781	0.004941	-0.61165
CEP55	-2.29589	0.919983	-3.95954	0.000782	0.004943	-0.61233
ZNF784	0.795956	-0.69502	3.959334	0.000782	0.004944	-0.61278
ZUFSP	-1.22695	0.235118	-3.9581	0.000784	0.004955	-0.61554
ZNF561	-1.18099	0.538511	-3.95796	0.000785	0.004955	-0.61585
CLPTM1L	-0.49149	0.47722	-3.95725	0.000786	0.004961	-0.61743
KIAA0564	-1.13932	0.372051	-3.95621	0.000788	0.004972	-0.61975
EMILIN1	1.264303	-0.68663	3.954851	0.00079	0.004986	-0.6228
PDK1	-1.00366	0.484794	-3.95422	0.000792	0.004992	-0.62421
CTAG2	1.7194	-0.38411	3.966651	0.000837	0.005176	-0.62675
EIF2S1	-1.30006	0.867254	-3.95251	0.000795	0.005009	-0.62802
CDC25B	1.275757	-0.72806	3.952455	0.000795	0.005009	-0.62815
IFT27	-0.71238	0.449341	-3.95234	0.000795	0.005009	-0.62842
TREX2	0.976967	-0.61322	3.950896	0.000798	0.005022	-0.63163
ALDH8A1	-0.90191	0.631351	-3.95028	0.000799	0.005027	-0.63301
MGC10814	0.857277	-1.16448	3.95027	0.000799	0.005027	-0.63303
DUSP3	-1.2309	0.958196	-3.94985	0.0008	0.00503	-0.63396
POLK	-2.71478	1.180996	-3.94887	0.000801	0.005038	-0.63616
TNFAIP6	-1.72057	1.087888	-3.9485	0.000802	0.005041	-0.63698
FSCN3	1.058972	-0.42783	3.947863	0.000803	0.005045	-0.63841
MAML3	-2.01192	0.68245	-3.94771	0.000804	0.005045	-0.63876
CSHL1	0.761519	-0.33805	3.947703	0.000804	0.005045	-0.63876
PPP2R2C	0.999584	-0.50621	3.947272	0.000804	0.005047	-0.63972
LIF	0.871741	-0.34188	3.9472	0.000805	0.005047	-0.63989
PTBP2	-1.03242	0.162853	-3.94691	0.000805	0.005048	-0.64054
FCRL1	-1.76878	1.26864	-3.94597	0.000807	0.005058	-0.64264
ISCA2	-0.87501	0.311864	-3.94552	0.000808	0.005061	-0.64364
SAMD11	0.909265	-0.37522	3.944827	0.000809	0.005065	-0.64519
LOC441666	-2.17138	0.560434	-3.9448	0.000809	0.005065	-0.64525
MMADHC	-1.10357	0.324051	-3.9443	0.00081	0.005068	-0.64636
GADD45G	0.898884	-0.52621	3.944216	0.00081	0.005068	-0.64655
STAG1	-0.9939	0.706812	-3.96916	0.000832	0.005157	-0.64659
SOX8	0.944537	-0.52921	3.944147	0.00081	0.005068	-0.64671
CYP2A7	0.892542	-0.31031	3.996801	0.000857	0.005269	-0.64704
WDR70	-0.80397	0.406929	-3.94386	0.000811	0.00507	-0.64734
KIAA1609	-1.01401	0.641213	-3.94327	0.000812	0.005074	-0.64867
COQ7	-0.74838	0.535627	-3.94323	0.000812	0.005074	-0.64875
GPR137	-0.96926	0.86942	-3.94056	0.000817	0.005104	-0.65472
ZXDC	-0.8356	0.548591	-3.93903	0.00082	0.005119	-0.65813
RASD2	1.031226	-0.39478	3.938908	0.00082	0.005119	-0.65841
C1orf158	0.794618	-0.51401	3.938899	0.00082	0.005119	-0.65843
LOC100501	-1.20506	0.159075	-3.96339	0.000843	0.005206	-0.6592
GNLY	2.467096	-1.22555	3.937048	0.000824	0.005138	-0.66256
C6orf192	0.784492	-0.68404	3.936827	0.000824	0.005139	-0.66305
CCL21	1.086135	-0.50666	3.936527	0.000825	0.005141	-0.66372

CHRM4	0.866706	-0.44461	3.936062	0.000826	0.005145	-0.66476
CWF19L1	-0.80038	0.204268	-3.93566	0.000827	0.005146	-0.66565
ALPI	1.092085	-0.49025	3.93564	0.000827	0.005146	-0.6657
LOC646626	1.333281	-0.78524	3.934808	0.000828	0.005152	-0.66756
UFD1L	-1.01215	0.659124	-3.93461	0.000829	0.005152	-0.66799
STYXL1	-1.0562	0.862161	-3.93457	0.000829	0.005152	-0.66808
PPA2	0.848407	-0.19066	3.934445	0.000829	0.005152	-0.66837
ABCD1	-0.88951	0.68831	-3.93429	0.000829	0.005152	-0.66871
ANKRD44	-0.79109	0.495852	-3.9342	0.000829	0.005152	-0.66892
NBN	-1.67247	0.921242	-3.93418	0.000829	0.005152	-0.66895
CX3CR1	1.575013	-0.62522	3.93407	0.00083	0.005152	-0.66921
U2SURP	-0.65234	0.494371	-3.93396	0.00083	0.005152	-0.66945
QARS	-0.88303	0.793811	-3.93346	0.000831	0.005155	-0.67056
IQCE	-1.08209	0.638388	-3.93343	0.000831	0.005155	-0.67063
KIAA1704	-1.1869	0.624974	-3.93297	0.000832	0.005157	-0.67167
DERA	-0.58063	0.210335	-3.93272	0.000832	0.005157	-0.67222
TMEM71	-1.07237	0.364369	-3.93269	0.000832	0.005157	-0.67229
PLEK2	2.653777	-1.17437	3.932276	0.000833	0.005161	-0.67321
IL28B	1.314669	-0.2104	3.932064	0.000833	0.005162	-0.67369
FGFR4	1.01094	-0.51116	3.931263	0.000835	0.005169	-0.67547
CDH7	0.770554	-0.8132	3.931198	0.000835	0.005169	-0.67562
LOC254051	1.496895	-0.51097	3.990259	0.00096	0.005705	-0.67721
CBFA2T3	0.888763	-0.23772	3.930151	0.000837	0.005178	-0.67796
C5orf15	-1.47524	0.403615	-3.98192	0.000886	0.005385	-0.67877
SYCE3	-1.72586	1.016424	-3.92923	0.000839	0.005188	-0.68003
CRYL1	1.037818	-0.56955	3.928321	0.000841	0.005197	-0.68204
PCDH9	-1.38251	1.230472	-3.928	0.000841	0.005199	-0.68277
C14orf128	1.032649	-0.50407	3.999875	0.00094	0.005632	-0.68459
C6orf10	1.40026	-0.42649	3.926912	0.000844	0.005209	-0.68519
HTR1F	1.38535	-0.28713	3.938193	0.000893	0.005416	-0.6887
CCL27	0.701516	-0.25835	3.925073	0.000847	0.00523	-0.6893
FYN	1.173894	-0.37282	3.924697	0.000848	0.005233	-0.69013
TLK2	-0.58629	0.205337	-3.92318	0.000851	0.005249	-0.69352
HMHB1	0.788894	-0.39738	3.92305	0.000851	0.005249	-0.69381
TEKT2	1.042611	-0.44233	3.92299	0.000851	0.005249	-0.69394
MST1P2	-0.71311	0.474144	-3.92285	0.000852	0.005249	-0.69426
KANK2	1.163721	-0.37738	3.922437	0.000852	0.005252	-0.69518
RALB	-1.67619	0.871746	-3.92179	0.000854	0.005256	-0.69663
NXT2	-1.20501	-0.059	-3.99401	0.000952	0.005676	-0.69673
HGS	-0.76714	0.719114	-3.9217	0.000854	0.005256	-0.69682
WDR53	-0.70702	0.375118	-3.92161	0.000854	0.005256	-0.69702
RGS5	-0.74742	0.128281	-3.92155	0.000854	0.005256	-0.69715
VSIG1	0.762397	-0.56081	3.920503	0.000856	0.005267	-0.6995
RPP38	-0.49665	0.360369	-3.92004	0.000857	0.00527	-0.70053
PLA2G3	1.040859	-0.95751	3.919866	0.000857	0.00527	-0.70092
OTUD1	-1.4944	0.618407	-3.91921	0.000859	0.005277	-0.70239
UGT2B11	-0.86005	0.14652	-3.94197	0.000885	0.005385	-0.706

CADM4	0.692201	-0.17742	3.917235	0.000863	0.005299	-0.70679
SPAG11B	-1.12094	0.209314	-3.91715	0.000863	0.005299	-0.70698
COPS7B	-0.66955	0.680087	-3.91682	0.000864	0.005301	-0.70772
C9orf46	-0.724	0.149631	-3.91591	0.000865	0.00531	-0.70974
ERC2	-1.70715	0.333958	-3.91583	0.000866	0.00531	-0.70993
PADI2	-1.90004	1.156564	-3.91516	0.000867	0.005317	-0.71143
COL4A5	1.570144	-0.6757	3.914713	0.000868	0.005321	-0.71242
KCTD21	-0.75237	0.36054	-3.91438	0.000869	0.005323	-0.71316
KNCN	-1.04041	0.462696	-3.91404	0.000869	0.005326	-0.71392
ADAMTS12	1.014657	-0.33302	3.913816	0.00087	0.005327	-0.71442
COL21A1	-0.63583	0.092128	-3.93779	0.000893	0.005418	-0.71513
KRT16	0.65268	-0.24035	3.913461	0.00087	0.005329	-0.71521
PLEKHG5	0.951628	-0.56467	3.913352	0.000871	0.005329	-0.71546
SRI	-0.57977	0.183706	-3.91316	0.000871	0.00533	-0.71589
KLRC4	0.789979	-0.57913	3.912811	0.000872	0.005333	-0.71667
KBTBD3	-1.60954	0.403791	-3.91216	0.000873	0.005336	-0.71811
LOC645421	1.343107	-0.67217	3.912161	0.000873	0.005336	-0.71812
AKAP8	-0.40456	0.243905	-3.91187	0.000874	0.005336	-0.71877
CCDC34	-1.33114	0.631903	-3.91181	0.000874	0.005336	-0.7189
MATK	1.218831	-0.52721	3.911526	0.000874	0.005336	-0.71953
PGD	-1.63274	0.919189	-3.91147	0.000874	0.005336	-0.71967
GTF2H2D	-1.2963	0.539975	-3.9114	0.000875	0.005336	-0.71981
TBCK	-1.17139	0.912426	-3.91136	0.000875	0.005336	-0.7199
RNASEH1	1.255425	-0.65577	3.911318	0.000875	0.005336	-0.72
ADSSL1	1.3419	-0.77677	3.911138	0.000875	0.005337	-0.7204
ALG12	-0.64632	0.635806	-3.90998	0.000877	0.00535	-0.72299
SUCLG1	-1.14887	0.430964	-3.90973	0.000878	0.005351	-0.72354
LRGUK	0.877742	-0.30733	3.933433	0.000902	0.005459	-0.72465
KDM4A	-0.86391	0.783955	-3.90889	0.00088	0.00536	-0.72542
THAP1	-1.06625	0.369784	-3.90694	0.000884	0.005383	-0.72978
RNF145	-0.89106	0.358627	-3.90675	0.000884	0.005383	-0.73019
APOA4	0.873739	-0.4294	3.906063	0.000886	0.005385	-0.73172
LOC100293	0.838959	-0.25744	3.906051	0.000886	0.005385	-0.73175
PPAT	0.78771	-0.76184	3.904523	0.000889	0.005403	-0.73516
FBXO28	-0.83771	0.23214	-3.90413	0.00089	0.005405	-0.73605
CATSPER4	0.889246	-0.51288	3.904082	0.00089	0.005405	-0.73614
RGS4	-0.94938	0.059608	-3.91626	0.000938	0.005622	-0.73644
WDR81	0.97318	-0.32906	3.903572	0.000891	0.00541	-0.73728
KIAA0753	-0.57498	0.345271	-3.90344	0.000891	0.00541	-0.73759
SLC39A1	-0.78742	0.434154	-3.90315	0.000892	0.005412	-0.73823
CENPW	-1.43156	1.107781	-3.90256	0.000893	0.005416	-0.73955
SULT1E1	0.753564	-0.19638	3.926311	0.000917	0.00552	-0.74021
SOS1	-0.92142	0.725774	-3.90096	0.000896	0.00543	-0.7431
C8orf84	1.049353	-0.4716	3.900953	0.000896	0.00543	-0.74312
IL1F10	0.657706	-0.40838	3.900909	0.000896	0.00543	-0.74322
SLCO1B3	1.694945	-0.79881	3.912986	0.000945	0.005651	-0.74355
FAM189A1	0.765634	-0.57431	3.90011	0.000898	0.005438	-0.745

CNNM3	0.633735	-0.15337	3.899452	0.000899	0.005445	-0.74647
SYCP2L	0.675054	-0.16903	3.898574	0.000901	0.005455	-0.74843
OGFOD2	-0.86968	0.818937	-3.89816	0.000902	0.005458	-0.74936
CXorf26	-1.23115	0.852508	-3.89773	0.000903	0.00546	-0.75031
TMC1	0.549718	-0.4308	3.89668	0.000905	0.005471	-0.75266
C7orf51	0.880761	-0.4507	4.205134	0.001251	0.006828	-0.75273
UBA1	-1.15908	1.274148	-3.89662	0.000905	0.005471	-0.7528
NAT1	-1.66779	0.339438	-3.90859	0.000955	0.005686	-0.75312
NDUFB5	-0.79065	0.131339	-3.89614	0.000906	0.005475	-0.75387
TWF1	-1.5237	0.073573	-3.89545	0.000908	0.005483	-0.7554
ASB7	-1.34495	0.815467	-3.89489	0.000909	0.005486	-0.75665
SLC22A13	-0.78686	0.364246	-3.89472	0.000909	0.005486	-0.75702
LACE1	-0.9033	0.459917	-3.8947	0.000909	0.005486	-0.75708
FAM64A	-1.55853	0.892396	-3.89465	0.000909	0.005486	-0.7572
PIH1D2	1.304295	-0.76196	3.906573	0.000959	0.005701	-0.75751
SPTLC2	-1.44494	0.64213	-3.89437	0.00091	0.005486	-0.75781
CPT1B	-1.22401	0.827833	-3.89436	0.00091	0.005486	-0.75784
NSUN5P2	-0.70142	0.684707	-3.8933	0.000912	0.005498	-0.7602
CSF1R	1.993941	-0.81471	3.891957	0.000915	0.005514	-0.76319
FBXL18	-1.15475	0.716629	-3.89155	0.000916	0.005517	-0.7641
SLITRK4	1.138809	-0.82952	3.891311	0.000916	0.005519	-0.76463
FAM98C	-0.68736	0.505971	-3.89096	0.000917	0.00552	-0.76541
ATP7B	0.668771	-0.39874	3.890552	0.000918	0.005523	-0.76633
WAC	-0.9998	0.904252	-3.88983	0.00092	0.005531	-0.76794
HEXIM2	0.690207	-0.21878	3.889684	0.00092	0.005531	-0.76826
AP3S1	-0.71252	0.22413	-3.88947	0.00092	0.005532	-0.76875
SCYL2	-1.16462	0.275466	-3.88805	0.000923	0.005549	-0.7719
ZSCAN1	0.831413	-0.48949	3.887516	0.000925	0.005554	-0.7731
ZNF430	-1.01928	0.440926	-3.8866	0.000927	0.005564	-0.77514
C19orf63	-0.45353	0.281277	-3.88641	0.000927	0.005565	-0.77557
TNFRSF4	0.917109	-0.47952	3.885241	0.00093	0.005578	-0.77817
PRKCA	-0.6607	0.399083	-3.88476	0.000931	0.005583	-0.77925
MYH8	1.329532	-0.7151	3.908559	0.001042	0.006052	-0.78133
PCBD2	-0.68563	0.4315	-3.88242	0.000936	0.005612	-0.78445
CD244	1.339038	-0.52946	3.881894	0.000937	0.005617	-0.78564
BHLHA15	0.765753	-0.41266	3.881156	0.000938	0.005622	-0.78728
SULT2A1	0.724824	-0.37177	3.88113	0.000938	0.005622	-0.78734
KIAA0368	1.150323	-0.38968	3.891884	0.000992	0.005843	-0.78946
BAZ1B	-0.59425	0.662825	-3.87965	0.000942	0.005637	-0.79063
LYL1	1.216527	-0.27099	3.879546	0.000942	0.005637	-0.79087
ANP32E	-0.98428	0.597972	-3.87841	0.000944	0.005649	-0.79341
C9orf72	-1.77958	0.613184	-3.8784	0.000944	0.005649	-0.79343
SIRT7	-0.71265	0.494521	-3.87803	0.000945	0.005651	-0.79424
LOC10013:	-1.14942	1.141186	-3.87768	0.000946	0.005652	-0.79504
MAP3K9	0.501899	-0.31208	3.877639	0.000946	0.005652	-0.79512
FCN2	1.466819	-0.40548	3.877045	0.000947	0.005657	-0.79645
STAM2	-1.18061	0.686756	-3.87699	0.000948	0.005657	-0.79657

LMF2	0.71936	-0.17885	3.876181	0.000949	0.005666	-0.79837
BAHD1	0.697191	-0.41652	3.875922	0.00095	0.005668	-0.79895
GRIN1	0.973734	-0.56483	3.875735	0.00095	0.005668	-0.79937
PLVAP	2.30172	-0.57946	3.875473	0.000951	0.00567	-0.79995
RBCK1	-0.79951	0.702122	-3.87483	0.000952	0.005676	-0.80139
CHODL	0.778261	-0.5366	3.873921	0.000954	0.005686	-0.80341
TBC1D3P5	1.02328	-0.56564	3.87362	0.000955	0.005686	-0.80408
TMED7	-1.05903	0.25684	-3.87339	0.000956	0.005687	-0.80459
AP3B2	-3.30424	2.035906	-3.87274	0.000957	0.005694	-0.80604
IL17F	1.074177	-0.55843	3.872371	0.000958	0.005696	-0.80687
GRAMD1A	-1.01067	0.969588	-3.87235	0.000958	0.005696	-0.80691
TNPO3	-1.4975	1.284015	-3.87189	0.000959	0.0057	-0.80793
KLRF1	1.356213	-0.79624	4.238055	0.001432	0.007502	-0.80812
ERVFRD-1	-0.86713	0.085218	-3.8949	0.000985	0.005812	-0.80877
LOC64418	0.806081	-0.51921	3.909595	0.00104	0.006042	-0.80914
CDC42EP3	-1.54274	0.851029	-3.87061	0.000962	0.005712	-0.8108
COL12A1	1.722763	-0.65517	3.908599	0.001042	0.006052	-0.81126
SIKE1	-1.4038	0.777443	-3.8703	0.000962	0.005713	-0.81148
LRRCS5	-1.13633	0.219606	-3.90838	0.001043	0.006052	-0.81173
ATP2A2	-1.33968	1.100725	-3.87013	0.000963	0.005713	-0.81186
LOC64551	-1.44612	0.752656	-3.87	0.000963	0.005713	-0.81215
TBX19	-0.62571	0.14437	-3.86998	0.000963	0.005713	-0.81219
FAM100A	0.796051	-0.28822	3.869879	0.000963	0.005713	-0.81242
COX7A1	1.211791	-0.45802	3.869803	0.000964	0.005713	-0.81259
UFM1	0.740241	-0.18259	3.869641	0.000964	0.005713	-0.81295
NPRL3	1.866181	-0.54955	3.868926	0.000966	0.005721	-0.81455
BMS1P1	-1.15598	0.177069	-3.86821	0.000967	0.005729	-0.81615
NFIA	0.80603	-0.46055	3.867754	0.000968	0.005732	-0.81716
PPP6R2	-0.56731	0.441169	-3.8677	0.000968	0.005732	-0.81729
LYPD2	1.982743	-1.04176	3.867537	0.000969	0.005732	-0.81765
DZANK1	-0.5338	0.156869	-3.86667	0.000971	0.005742	-0.81959
LPPR5	1.079879	-0.32407	3.866584	0.000971	0.005742	-0.81977
CHKA	-0.96977	0.614654	-3.86643	0.000971	0.005742	-0.82011
ELOVL2	-1.24733	0.222119	-3.90412	0.001053	0.006092	-0.82078
SLFN12	-1.37328	0.414964	-3.90397	0.001053	0.006092	-0.82109
RNF135	-1.14418	0.942468	-3.86579	0.000973	0.005749	-0.82153
ALAS2	2.91805	-0.97717	3.865382	0.000974	0.005751	-0.82245
TRIM65	0.597808	-0.03566	3.865378	0.000974	0.005751	-0.82246
MIER3	0.886477	-0.45861	3.864138	0.000976	0.005766	-0.82522
NIPSNAP3	-0.96768	0.454458	-3.86338	0.000978	0.005774	-0.82692
MYPN	-0.74762	0.216932	-3.88388	0.00101	0.005921	-0.83282
RCCD1	-0.883	0.5638	-3.86069	0.000984	0.005809	-0.8329
PSMB6	-0.62283	0.402426	-3.85951	0.000987	0.005821	-0.83553
CDC5L	-0.76974	0.397924	-3.85866	0.000989	0.005831	-0.83744
HSD3B2	0.734744	-0.33905	3.857856	0.000991	0.00584	-0.83922
SPTSSA	-1.428	0.394062	-3.85735	0.000992	0.005843	-0.84034
LOC40112	0.713606	-0.64165	3.857255	0.000992	0.005843	-0.84056

CEBPZ	-1.15418	0.65403	-3.87989	0.001019	0.005955	-0.84153
CENPO	-0.72103	0.651916	-3.85667	0.000993	0.005849	-0.84186
BRP44	-0.61129	0.18906	-3.85643	0.000994	0.005851	-0.8424
PLIN5	-1.63606	1.020263	-3.85531	0.000997	0.005864	-0.8449
PPBPL2	1.33111	-0.52776	3.878461	0.001114	0.006295	-0.84493
DNAJC3-AS	-1.34568	1.361948	-3.85499	0.000997	0.005865	-0.8456
ZNF787	-0.84365	0.764536	-3.85496	0.000997	0.005865	-0.84567
RASSF5	-1.22625	1.137493	-3.854	0.001	0.005877	-0.84782
TNFRSF10A	-0.86001	0.517821	-3.85386	0.001	0.005877	-0.84811
RPA1	0.971083	-0.53392	3.853615	0.001001	0.005878	-0.84867
HNRNPA1L	-0.95429	0.672828	-3.8535	0.001001	0.005878	-0.84893
CAP1	-1.26095	0.843245	-3.85153	0.001005	0.005904	-0.85331
DHTKD1	-1.19672	0.77398	-3.85116	0.001006	0.005907	-0.85414
SCRN1	0.944776	-0.21204	3.851049	0.001007	0.005907	-0.85439
CSNK1G1	-0.68788	0.628228	-3.85081	0.001007	0.005908	-0.85492
DYNC1LI2	-1.45519	0.601304	-3.85073	0.001007	0.005908	-0.85509
CCDC37	-0.60149	0.171953	-3.88696	0.001093	0.006228	-0.85721
FBXL19	0.848452	-0.44259	3.849481	0.00101	0.005921	-0.85788
CABP4	0.844612	-0.37239	3.849302	0.001011	0.005922	-0.85828
RPAP1	0.779889	-0.35581	3.848437	0.001013	0.005932	-0.86021
FLJ14107	-0.71803	0.593887	-3.84826	0.001013	0.005933	-0.8606
C14orf101	-1.56666	0.705973	-3.84791	0.001014	0.005936	-0.86139
TCP10L	0.70016	-0.28235	3.847593	0.001015	0.005938	-0.86209
ARHGAP27	-1.19635	1.043101	-3.84709	0.001016	0.005943	-0.86321
IL18R1	-3.18534	1.750623	-3.84704	0.001016	0.005943	-0.86333
ECHDC3	-1.39118	0.675698	-3.84611	0.001018	0.005954	-0.86538
SPNS3	1.364374	-0.65644	3.845926	0.001019	0.005954	-0.8658
DENND1C	-0.63509	0.582515	-3.84569	0.001019	0.005955	-0.86633
ND3	1.282166	-0.87979	3.845444	0.00102	0.005956	-0.86688
PI4KB	-0.72337	0.670697	-3.84465	0.001022	0.005964	-0.86864
ARID3A	-1.06573	1.05961	-3.84453	0.001022	0.005964	-0.86891
SLC2A12	1.048945	-0.28805	3.844453	0.001022	0.005964	-0.86908
LIMCH1	-0.84205	0.075421	-3.86657	0.001051	0.006087	-0.87059
SLC13A2	0.534783	-0.46451	3.843671	0.001024	0.005973	-0.87083
KANK3	0.884525	-0.4684	3.843428	0.001025	0.005975	-0.87137
FAM71E2	1.890798	-0.44528	3.865825	0.001146	0.006432	-0.87163
DCTN5	-0.64382	0.412025	-3.84322	0.001025	0.005976	-0.87184
TCP10	0.996498	-0.33012	3.865694	0.001053	0.006092	-0.8725
CKAP4	-2.01814	1.396768	-3.84223	0.001027	0.005988	-0.87404
HEBP2	-1.06825	0.376267	-3.84179	0.001029	0.005992	-0.87502
PPP2R5B	0.963534	-0.41718	3.840606	0.001031	0.006007	-0.87765
GBA	-1.21743	0.720319	-3.84007	0.001033	0.006013	-0.87885
CCDC69	-0.91961	0.610726	-3.8396	0.001034	0.006018	-0.87989
ODZ2	0.951827	-0.68668	3.88718	0.001093	0.006228	-0.88075
LOC100286	-1.73953	1.171372	-3.83913	0.001035	0.006022	-0.88094
STON2	1.147366	-0.40066	3.838288	0.001037	0.006032	-0.88282
U2AF1	-0.59956	0.214662	-3.83798	0.001038	0.006034	-0.8835

KIAA0528	-1.05461	0.149533	-3.83791	0.001038	0.006034	-0.88365
GOLGA7	-0.85355	0.511638	-3.83763	0.001039	0.006036	-0.88428
RILP	1.623588	-0.53179	3.835912	0.001043	0.006052	-0.88811
TCEB3C	-1.39621	0.357023	-3.83542	0.001044	0.006057	-0.8892
HNRNPK	-0.74623	0.730886	-3.83472	0.001046	0.006065	-0.89076
WDR1	-0.77495	0.665599	-3.83393	0.001047	0.006074	-0.89252
AADAT	-0.9671	0.222874	-3.83351	0.001049	0.006078	-0.89346
ZWILCH	-1.03406	0.517889	-3.83325	0.001049	0.00608	-0.89403
LOC64521	-0.56934	0.495083	-3.83219	0.001052	0.006092	-0.89639
NLRP4	1.016722	-0.63599	3.831598	0.001053	0.006092	-0.89771
GRRP1	0.739645	-0.45312	3.83152	0.001053	0.006092	-0.89789
GDF9	-1.24658	0.549805	-3.83055	0.001056	0.006104	-0.90005
C6orf201	-0.85123	0.156106	-3.83035	0.001056	0.006105	-0.9005
COG7	-0.61061	0.364446	-3.83016	0.001057	0.006106	-0.90091
AURKB	-1.42607	1.169329	-3.8291	0.001059	0.006119	-0.90329
NPC1L1	0.827103	-0.4187	3.828373	0.001061	0.006125	-0.90489
LOC100130	0.790134	-0.4447	3.828311	0.001061	0.006125	-0.90503
RNF39	0.779743	-0.50575	3.828271	0.001061	0.006125	-0.90512
TMCC2	1.748445	-0.56328	3.828118	0.001062	0.006125	-0.90546
NSMCE4A	-0.99739	0.459699	-3.82807	0.001062	0.006125	-0.90556
CATSPERG	1.59425	-1.18379	3.838372	0.00112	0.006319	-0.90577
PVRL2	-2.03274	1.297361	-3.82792	0.001062	0.006125	-0.90591
TOR2A	-0.45329	0.357877	-3.8275	0.001063	0.006129	-0.90683
CTAGE6P	-1.08289	0.275721	-3.84963	0.001092	0.006227	-0.90754
GTDC1	-1.82064	0.798345	-3.82701	0.001065	0.006134	-0.90794
ISG20L2	-0.59574	0.480538	-3.82691	0.001065	0.006134	-0.90814
PRSS53	0.574568	-0.4117	3.849279	0.001093	0.006228	-0.9083
NUMBL	1.158541	-0.6741	3.826233	0.001066	0.006142	-0.90966
GIT2	-0.80311	0.534537	-3.82612	0.001067	0.006142	-0.90991
CAPN1	-1.24666	1.170971	-3.8259	0.001067	0.006143	-0.91039
EXOC6	-2.79738	1.349701	-3.82581	0.001067	0.006143	-0.91059
TNNI3	0.836841	-0.31247	3.825394	0.001069	0.006145	-0.91153
TRIM74	0.724388	-0.56676	3.825279	0.001069	0.006145	-0.91178
TRABD	-0.65338	0.36387	-3.82525	0.001069	0.006145	-0.91184
GAS6	-1.65305	1.299089	-3.82465	0.00107	0.006148	-0.91318
NPB	0.816119	-0.42876	3.824558	0.001071	0.006148	-0.91339
P4HA1	-1.32912	0.588375	-3.82439	0.001071	0.006148	-0.91376
GSTM3	1.105089	-0.33955	3.824389	0.001071	0.006148	-0.91377
DGKA	-0.98402	1.054356	-3.82435	0.001071	0.006148	-0.91385
NCS1	1.260362	-0.4605	3.824245	0.001071	0.006148	-0.91409
NSUN7	-3.20516	1.710402	-3.8241	0.001072	0.006148	-0.91441
PIK3CA	-1.0743	0.337573	-3.82407	0.001072	0.006148	-0.91448
UCK2	-0.75623	0.81277	-3.8238	0.001072	0.00615	-0.91508
WNT9B	0.843697	-0.42409	3.845957	0.001101	0.006257	-0.91555
ITIH2	1.455161	-0.27871	3.844964	0.0012	0.006636	-0.9157
HEATR2	0.647753	-0.32352	3.823016	0.001074	0.006159	-0.91682
FADD	-0.84305	0.628924	-3.82261	0.001075	0.006163	-0.91772

TMC4	-1.77043	1.0281	-3.82206	0.001077	0.006169	-0.91894
FMNL2	0.959192	-0.46676	3.821982	0.001077	0.006169	-0.91912
DHRS4L1	0.790302	-0.38651	3.821844	0.001077	0.006169	-0.91943
PIP5K1A	-0.52335	0.271273	-3.82173	0.001078	0.006169	-0.91969
AKAP8L	-0.77297	0.766738	-3.82071	0.00108	0.006182	-0.92196
CCNT2	-1.98443	0.557246	-3.82009	0.001082	0.006188	-0.92333
TMEM79	-0.62022	0.528962	-3.82001	0.001082	0.006188	-0.9235
FAM172A	-0.6918	0.010658	-3.81968	0.001083	0.006191	-0.92425
ASCL2	0.771445	-0.29021	3.81941	0.001084	0.006193	-0.92485
KCNA3	1.245803	-0.28365	3.818755	0.001085	0.006201	-0.92631
RASA4P	0.899115	-0.40933	3.818649	0.001085	0.006201	-0.92654
TLR5	-1.82226	1.206063	-3.81839	0.001086	0.006202	-0.92711
FREM1	1.0462	-0.46592	3.839202	0.001216	0.006703	-0.92787
PTPRJ	-0.69162	0.457356	-3.81796	0.001087	0.006207	-0.92807
OBFC2A	-1.64264	0.281138	-3.81769	0.001088	0.006208	-0.92868
RDH16	0.549594	-0.20342	3.817646	0.001088	0.006208	-0.92877
KIAA0408	0.784722	-0.50509	3.993702	0.001357	0.007227	-0.92879
PAPD4	-1.26109	0.455509	-3.81696	0.00109	0.006216	-0.9303
CLCA3P	1.930546	-1.38109	3.849967	0.0013	0.007022	-0.93085
SLCO6A1	0.720097	-0.23143	3.837838	0.001122	0.006323	-0.93325
ATP12A	0.941388	-0.60078	3.879546	0.00122	0.006719	-0.9336
STRAP	-0.60065	0.219022	-3.81547	0.001093	0.006228	-0.93363
PTPN3	-0.95426	0.24129	-3.81527	0.001094	0.00623	-0.93407
REN	1.13932	-0.38003	3.81483	0.001095	0.006234	-0.93504
RAB42	0.533414	-0.28907	3.814271	0.001097	0.00624	-0.93629
LOC728640	-0.71307	0.217106	-3.81415	0.001097	0.00624	-0.93655
PHF11	-1.03698	0.498845	-3.81394	0.001097	0.006241	-0.93701
WIPF3	0.84471	-0.82782	3.813326	0.001099	0.006249	-0.93839
CALML4	1.055738	-0.34935	3.813148	0.001099	0.006249	-0.93878
TRPC2	0.81402	-0.39431	3.81239	0.001101	0.006257	-0.94047
TMEM179I	-0.79032	0.553415	-3.8117	0.001103	0.006264	-0.942
LOC100507	-1.23103	0.402834	-3.8115	0.001104	0.006264	-0.94244
C17orf99	1.444908	-0.5145	3.811496	0.001104	0.006264	-0.94246
HSDL1	-1.39871	0.358954	-3.81127	0.001104	0.006265	-0.94298
CPA6	-1.11553	0.279645	-3.81124	0.001104	0.006265	-0.94303
SENP5	-0.84986	0.537842	-3.81083	0.001105	0.006267	-0.94393
SLC5A9	-1.006	0.242528	-3.8108	0.001105	0.006267	-0.94401
RBP2	-1.35302	0.173376	-3.84605	0.001197	0.006622	-0.94407
RBM23	-1.36697	1.33233	-3.81055	0.001106	0.006267	-0.94457
MUL1	-0.54899	0.478844	-3.81054	0.001106	0.006267	-0.94459
ACSL4	-1.74667	0.554181	-3.81044	0.001106	0.006267	-0.94481
PUS10	-1.02868	0.804028	-3.81009	0.001107	0.006268	-0.94558
MYOZ1	0.710954	-0.32771	3.809902	0.001108	0.006268	-0.94601
RAB1A	-1.35124	0.621956	-3.8098	0.001108	0.006268	-0.94623
TNIP1	-1.21549	1.088853	-3.80977	0.001108	0.006268	-0.94629
LOC100133	1.026914	-0.09775	3.809729	0.001108	0.006268	-0.94639
RNGTT	-0.84299	0.225031	-3.80866	0.001111	0.006282	-0.94877

ABHD3	-1.44054	0.686306	-3.80855	0.001111	0.006282	-0.94901
PIP5K1C	-1.07669	1.209513	-3.80781	0.001113	0.006291	-0.95066
MGC27382	0.841693	-0.17171	3.807318	0.001114	0.006295	-0.95176
TG	1.217655	-0.51346	3.807032	0.001115	0.006297	-0.95239
RAB43	-0.76308	0.978311	-3.80622	0.001117	0.006305	-0.9542
PTPLAD2	-1.22016	0.581996	-3.80615	0.001117	0.006305	-0.95435
GOLGA6L9	-1.00828	0.152177	-3.80609	0.001118	0.006305	-0.95449
FAM55C	-1.05816	0.454901	-3.80488	0.001121	0.00632	-0.95719
RRAGD	-1.49881	0.863084	-3.80392	0.001123	0.00633	-0.95933
XRCC1	-0.56631	0.592513	-3.80358	0.001124	0.006333	-0.96006
HIGD1B	0.775412	-0.5892	3.825235	0.001154	0.006462	-0.96072
EMILIN2	-1.64429	0.708211	-3.80324	0.001125	0.006336	-0.96083
LOC100133	-1.3602	0.267838	-3.80256	0.001127	0.006345	-0.96235
LBX2	0.935472	-0.4973	3.80198	0.001128	0.006351	-0.96364
MTTP	0.683695	-0.26382	3.811414	0.001191	0.006605	-0.96432
GHITM	-0.79356	0.23222	-3.80166	0.001129	0.006354	-0.96434
PAPD5	-1.00934	0.547566	-3.80144	0.00113	0.006356	-0.96483
FAM83D	-1.09544	0.219088	-3.80063	0.001132	0.006366	-0.96663
ASL	-0.73704	0.355294	-3.79988	0.001134	0.006375	-0.96831
LOC100506	-1.56775	1.082243	-3.82157	0.001164	0.006507	-0.96871
SYT14L	1.241805	-0.19179	3.798693	0.001137	0.006391	-0.97095
CHMP3	-1.12032	0.818256	-3.79759	0.00114	0.006405	-0.9734
OMA1	-1.01488	0.275966	-3.79736	0.001141	0.006407	-0.97391
GAS7	-1.89415	1.058328	-3.79694	0.001142	0.006411	-0.97484
USP38	0.747161	-0.2223	3.818034	0.001173	0.006547	-0.97641
PLIN3	-1.02738	0.742477	-3.79579	0.001145	0.006427	-0.97741
C17orf64	1.214012	-0.66886	3.804769	0.001209	0.006677	-0.97875
CXorf40B	-0.45116	0.277788	-3.79495	0.001147	0.006436	-0.97928
HOXC5	1.375085	-0.4235	3.794555	0.001148	0.00644	-0.98015
POM121L9	-0.86492	0.083677	-3.79418	0.001149	0.006441	-0.98099
RARG	0.807574	-0.27137	3.794127	0.001149	0.006441	-0.9811
ALAD	-0.7329	0.544176	-3.79407	0.001149	0.006441	-0.98122
C11orf45	1.067102	-0.52284	3.815664	0.00118	0.00656	-0.98157
TMCO2	-0.61859	0.104309	-3.79313	0.001152	0.006454	-0.98332
C20orf20	-0.70591	0.397371	-3.79275	0.001153	0.006457	-0.98417
SHISA9	0.637611	-0.41662	3.79264	0.001153	0.006457	-0.98441
C12orf32	-0.86229	0.650369	-3.79115	0.001157	0.006476	-0.98773
KIAA1432	-0.70388	0.286733	-3.79087	0.001158	0.006478	-0.98834
VAMP3	-1.19914	0.454242	-3.79018	0.00116	0.006487	-0.98989
THBS3	-0.81702	0.495895	-3.78873	0.001164	0.006507	-0.99311
ZSCAN10	1.051052	-0.64192	3.788193	0.001165	0.006512	-0.9943
FLJ40852	-0.3821	-0.07281	-3.85013	0.0013	0.007022	-0.99448
RABGAP1L	-0.85432	0.589471	-3.78761	0.001167	0.006516	-0.9956
TTC14	-1.37662	0.346309	-3.78761	0.001167	0.006516	-0.9956
PEX2	-1.2831	-0.02147	-3.78753	0.001167	0.006516	-0.99578
PRX	0.755518	-0.12096	3.786892	0.001169	0.006524	-0.99719
GRM1	-1.06045	0.342758	-3.78528	0.001173	0.006546	-1.00076

FAM154A	0.644694	-0.18587	3.78499	0.001174	0.006547	-1.00142
HDAC9	1.393282	-0.57714	3.784846	0.001174	0.006548	-1.00174
OS9	-1.05674	0.760324	-3.78442	0.001175	0.006552	-1.00269
MPEG1	0.733349	-0.34822	3.78405	0.001176	0.006554	-1.00351
LOC100125	0.780007	-0.47125	3.783962	0.001177	0.006554	-1.0037
CDH23	-1.36504	1.023935	-3.78389	0.001177	0.006554	-1.00387
ZNF573	0.970637	-0.61766	3.783776	0.001177	0.006554	-1.00412
PILRB	-0.50261	0.550377	-3.7836	0.001178	0.006555	-1.00452
ZCCHC10	-0.9974	0.11658	-3.78346	0.001178	0.006555	-1.00483
ITGA7	-2.36693	1.380635	-3.78338	0.001178	0.006555	-1.00501
CASP1	-1.32591	0.851371	-3.78283	0.00118	0.00656	-1.00623
C15orf59	0.939322	-0.33604	3.782691	0.00118	0.00656	-1.00653
RAB22A	-0.9438	0.37113	-3.78236	0.001181	0.006563	-1.00726
KRT17	1.336716	-0.97931	3.781648	0.001183	0.006569	-1.00885
SIGLEC7	-1.35478	0.930273	-3.78163	0.001183	0.006569	-1.00889
NPSR1	1.463121	-0.65909	3.781609	0.001183	0.006569	-1.00894
NLRC5	-1.23241	1.097735	-3.78099	0.001185	0.006577	-1.01032
LOC148415	-0.63199	0.520852	-3.78053	0.001186	0.006582	-1.01134
CENPF	-1.51173	0.914328	-3.77961	0.001189	0.006593	-1.01338
RASGEF1B	-1.26501	0.368116	-3.77954	0.001189	0.006593	-1.01353
ARMC8	-0.92705	0.477684	-3.77841	0.001192	0.006607	-1.01605
PLXND1	1.486074	-0.28484	3.778205	0.001193	0.006607	-1.0165
SYDE1	0.915932	-0.61473	3.778141	0.001193	0.006607	-1.01664
LOC283865	-0.90682	0.363866	-3.77771	0.001194	0.006612	-1.01761
RNF139	-1.19064	0.332403	-3.79894	0.001226	0.006736	-1.018
PTPN5	0.856159	-0.46874	3.777471	0.001195	0.006614	-1.01814
KCTD7	0.642324	-0.38483	3.777316	0.001195	0.006614	-1.01848
C16orf59	1.228808	-0.39603	3.777223	0.001195	0.006614	-1.01869
GBA3	0.576734	-0.66573	3.798536	0.001227	0.006738	-1.01888
IL18BP	0.614506	-0.35402	3.77652	0.001197	0.006622	-1.02025
ACPP	-2.09308	0.859392	-3.7971	0.001231	0.006753	-1.02201
LOC338625	1.107395	-0.42846	3.784427	0.001267	0.006888	-1.02289
UGT2B28	0.82221	-0.34457	3.774519	0.001203	0.006648	-1.0247
PRKAB1	-0.99919	0.644932	-3.77431	0.001203	0.006649	-1.02516
SLC15A1	0.782842	-0.35654	3.774014	0.001204	0.006652	-1.02582
TMEM130	-0.92761	0.232807	-3.77316	0.001207	0.006663	-1.02772
SLC31A1	-2.04469	1.620353	-3.77201	0.00121	0.006677	-1.03026
OSBP	-0.75676	0.737707	-3.77184	0.00121	0.006678	-1.03064
ADAM6	-1.21639	0.192755	-3.77042	0.001214	0.006698	-1.03381
ZBTB7C	0.914921	-0.51973	3.770311	0.001215	0.006698	-1.03405
DUSP11	-0.70337	0.211098	-3.76975	0.001216	0.006703	-1.03529
PAPSS1	-1.52256	0.811077	-3.76878	0.001219	0.006717	-1.03745
ATL3	-0.91363	0.411275	-3.76824	0.00122	0.006721	-1.03866
LMBR1	-1.17655	0.453373	-3.7675	0.001223	0.006731	-1.04029
IGDCC3	0.62684	-0.42779	3.767175	0.001223	0.006733	-1.04102
OR51B2	-0.91163	0.190129	-3.76703	0.001224	0.006733	-1.04134
TMEM11	-0.57429	0.361059	-3.76687	0.001224	0.006733	-1.04168

BCL3	-0.91927	0.664047	-3.76687	0.001224	0.006733	-1.04169
DBC1	-1.27218	0.257601	-3.76651	0.001225	0.006736	-1.04251
TAS2R13	0.921317	-0.56154	3.766163	0.001226	0.006738	-1.04326
FUT4	-0.84871	0.765977	-3.76578	0.001227	0.006741	-1.04411
HK1	0.841343	-0.27177	3.765455	0.001228	0.006744	-1.04484
REG1B	0.960933	-0.4949	3.76492	0.00123	0.00675	-1.04603
VPS35	-0.83271	0.597914	-3.76439	0.001231	0.006755	-1.0472
CENPB	0.942499	-0.30736	3.764225	0.001232	0.006756	-1.04757
ADAMTS7	-1.06876	0.548242	-3.76341	0.001234	0.006766	-1.04938
KRT79	0.968265	-0.25561	3.76325	0.001235	0.006766	-1.04974
ECRP	-1.36959	0.791515	-3.76319	0.001235	0.006766	-1.04986
KCNQ1DN	0.761001	-0.34895	3.762992	0.001235	0.006768	-1.05031
C19orf51	0.962235	-0.64073	3.762772	0.001236	0.006768	-1.0508
FAM19A4	-2.13965	1.022882	-3.76274	0.001236	0.006768	-1.05087
SSR1	-1.29099	0.464756	-3.7621	0.001238	0.006776	-1.05228
NCK2	0.880663	-0.45188	3.761758	0.001239	0.006779	-1.05305
C11orf30	-0.86214	0.823543	-3.76159	0.001239	0.00678	-1.05343
CXCR3	1.443392	-0.61587	3.761481	0.00124	0.00678	-1.05367
BBC3	1.126534	-0.35831	3.761148	0.001241	0.006783	-1.05441
SLK	-1.60075	0.776135	-3.76066	0.001242	0.006789	-1.05549
ELOVL4	1.198377	-0.68759	3.820004	0.001387	0.007347	-1.0568
C6	0.624712	-0.39935	3.759876	0.001244	0.0068	-1.05723
SMURF1	-0.80712	0.610208	-3.7587	0.001248	0.006816	-1.05985
VSIG10L	-1.23205	0.896704	-3.75838	0.001249	0.00682	-1.06057
CASS4	0.814952	-0.46996	3.757308	0.001252	0.006833	-1.06294
OLFM1	1.91981	-1.05305	3.756661	0.001254	0.006841	-1.06437
LRRC37B	-0.84292	0.597806	-3.75656	0.001254	0.006841	-1.06461
ANKS1A	-1.22104	0.483495	-3.75631	0.001255	0.006843	-1.06516
APLP2	-1.40071	1.095971	-3.75596	0.001256	0.006847	-1.06592
ARSB	-0.95884	0.657506	-3.75514	0.001258	0.006858	-1.06776
MECP2	-0.77151	0.813091	-3.755	0.001259	0.006858	-1.06805
SVEP1	-0.83957	0.172093	-3.75472	0.001259	0.006861	-1.06869
ZAN	0.569581	-0.48418	3.75446	0.00126	0.006861	-1.06926
LDOC1L	1.109248	-0.56779	3.754454	0.00126	0.006861	-1.06927
FAM167B	0.444497	-0.1816	3.753784	0.001262	0.006869	-1.07076
FAM131B	0.996147	-0.47935	3.753703	0.001262	0.006869	-1.07094
ALMS1P	1.321031	-0.5877	3.78591	0.001369	0.007277	-1.07167
CSRNP1	-1.44337	1.437139	-3.753	0.001264	0.006878	-1.07249
ATXN7L3	-0.76865	0.555939	-3.75207	0.001267	0.006889	-1.07458
CRIP1	1.337525	-0.54603	3.751999	0.001267	0.006889	-1.07473
C11orf48	-0.66805	0.422815	-3.7515	0.001269	0.006895	-1.07583
C12orf49	-0.76808	0.401744	-3.75126	0.00127	0.006897	-1.07636
SLC2A3	-2.08239	1.230055	-3.74899	0.001276	0.006931	-1.08141
MGC11082	-1.25292	0.895187	-3.74892	0.001277	0.006931	-1.08155
PSMB3	-0.7115	0.338545	-3.74846	0.001278	0.006936	-1.08258
SIL1	-0.86822	0.315894	-3.74783	0.00128	0.006944	-1.08398
TP53I11	-1.22011	1.001701	-3.74773	0.00128	0.006944	-1.08421

KIAA0100	0.448723	-0.32099	3.747512	0.001281	0.006945	-1.08469
APOH	-1.27788	0.372179	-3.74739	0.001281	0.006945	-1.08497
ERI1	-1.75567	0.958725	-3.74731	0.001281	0.006945	-1.08514
ARSD	-1.13926	0.746151	-3.74661	0.001283	0.006954	-1.0867
SLC29A3	0.810166	-0.29796	3.745707	0.001286	0.006966	-1.0887
DLGAP4	-0.82355	0.663514	-3.74563	0.001286	0.006966	-1.08886
ZBTB4	0.973628	-0.34588	3.745144	0.001288	0.006972	-1.08995
LY6H	0.41213	-0.08159	3.74419	0.001291	0.006986	-1.09207
LMX1B	0.600013	-0.201	3.744028	0.001291	0.006986	-1.09243
WBP1	-0.3521	0.337021	-3.74395	0.001291	0.006986	-1.09261
CBLN1	-1.21304	0.116693	-3.76429	0.001326	0.007123	-1.09342
ANKRD23	-0.79331	0.519478	-3.74336	0.001293	0.006994	-1.0939
TFAP2C	0.823048	-0.30571	3.763672	0.001328	0.007128	-1.09477
KLHL9	-1.07901	0.57726	-3.74296	0.001294	0.006998	-1.0948
IL36RN	1.969242	-0.38173	3.818338	0.001534	0.007867	-1.09494
THOC4	-0.64815	0.627559	-3.74147	0.001299	0.007021	-1.0981
MTMR9	-1.00315	0.448309	-3.74126	0.001299	0.007022	-1.09856
PRM1	1.021756	-0.43714	3.74074	0.001301	0.007025	-1.09973
RNF2	-1.05152	0.43197	-3.74021	0.001303	0.007031	-1.1009
PEG3	-0.65192	0.03793	-3.79839	0.001454	0.007575	-1.1015
BFSP1	1.186987	-0.36275	3.739588	0.001305	0.00704	-1.10228
ZNF558	-0.76052	0.122584	-3.7389	0.001307	0.007049	-1.10382
B3GALT4	-0.73545	0.34233	-3.73832	0.001308	0.007057	-1.1051
DRAM2	-0.9207	0.28826	-3.73796	0.001309	0.007061	-1.1059
ANKLE2	-0.71662	0.547407	-3.73713	0.001312	0.007066	-1.10774
NAP1L5	0.859991	-0.45545	3.737072	0.001312	0.007066	-1.10787
RASGRF2	1.337938	-0.72967	3.737051	0.001312	0.007066	-1.10791
COPE	-0.73759	0.722526	-3.73704	0.001312	0.007066	-1.10794
UNC93A	-0.67319	0.257191	-3.73703	0.001312	0.007066	-1.10796
RAB2B	0.917227	-0.42365	3.736773	0.001313	0.007068	-1.10853
LOC72798	1.232606	-0.42694	3.735925	0.001316	0.007077	-1.11041
THAP6	-1.07741	0.532074	-3.73591	0.001316	0.007077	-1.11045
TDO2	1.589407	-1.28255	3.80474	0.001434	0.00751	-1.11062
IMPA1	-1.33779	0.181273	-3.73582	0.001316	0.007077	-1.11065
ZMYND15	-1.05932	0.569422	-3.7358	0.001316	0.007077	-1.11068
ZFP36L1	-0.63603	0.74039	-3.73279	0.001325	0.007123	-1.11736
INPP4A	-0.88032	0.735905	-3.73277	0.001325	0.007123	-1.11741
DIP2A	-0.75528	0.60898	-3.73249	0.001326	0.007123	-1.11803
RUSC2	0.803821	-0.24092	3.732091	0.001327	0.007128	-1.11892
PSMG2	-0.54597	0.284422	-3.73188	0.001328	0.007128	-1.11938
CDC34	1.169107	-0.54737	3.731622	0.001329	0.007128	-1.11996
RBM22	-0.43659	0.389584	-3.73159	0.001329	0.007128	-1.12003
MTO1	-0.67598	0.437082	-3.73152	0.001329	0.007128	-1.1202
ESX1	1.217558	-0.3806	3.751513	0.001365	0.007263	-1.12122
CBFA2T2	0.825447	-0.2395	3.730704	0.001332	0.007139	-1.122
VPS54	-2.0144	1.091624	-3.7305	0.001332	0.00714	-1.12246
CTSF	1.349535	-0.65933	3.730408	0.001333	0.00714	-1.12266

DGAT1	-0.54639	0.275051	-3.72987	0.001334	0.007147	-1.12384
ARSE	1.610926	-0.39539	3.737375	0.00141	0.007426	-1.12491
LEPR	-1.33229	0.266458	-3.72922	0.001336	0.007156	-1.12528
HAND2	1.013517	-0.41547	3.728672	0.001338	0.007161	-1.12651
RWDD3	-0.80782	0.140607	-3.72865	0.001338	0.007161	-1.12656
PRPF3	-0.74492	0.601444	-3.72855	0.001338	0.007161	-1.12679
BAG5	-0.724	0.406309	-3.7284	0.001339	0.007161	-1.1271
HSDL2	-1.29577	0.59455	-3.72837	0.001339	0.007161	-1.12718
IFNK	0.746187	-0.24079	3.72804	0.00134	0.007164	-1.12791
ABI3	0.97828	-0.31794	3.727741	0.001341	0.007167	-1.12857
LINC00314	-1.77451	0.39229	-3.727	0.001343	0.007177	-1.13022
PHOSPHO1	1.967708	-0.36488	3.726803	0.001344	0.007177	-1.13065
OGDH	-0.76303	0.808048	-3.72667	0.001344	0.007177	-1.13094
PTGER2	-1.04173	0.151452	-3.72663	0.001344	0.007177	-1.13103
VWA5A	-2.22447	1.311546	-3.72656	0.001345	0.007177	-1.13119
KRTAP6-3	0.782724	-0.63595	3.726113	0.001346	0.007182	-1.13219
LCE2D	0.60755	-0.52077	3.726034	0.001346	0.007182	-1.13236
ROBO4	0.442066	-0.33147	3.745247	0.001385	0.007341	-1.13485
MTX1	-0.79535	0.566208	-3.72459	0.001351	0.007204	-1.13556
CNIH2	0.846456	-0.43562	3.724121	0.001352	0.00721	-1.1366
GPR75	0.604635	-0.47375	3.723718	0.001354	0.007215	-1.1375
LGALS8-AS	-1.21706	0.700771	-3.72333	0.001355	0.007219	-1.13835
TNNT2	0.912057	-0.63048	3.742874	0.001392	0.007363	-1.14001
FBXL12	-0.69399	0.554317	-3.72215	0.001358	0.007235	-1.14097
APOC3	1.45413	-0.51973	3.753093	0.001472	0.007646	-1.14124
EIF1AD	-0.74211	0.718253	-3.72175	0.00136	0.00724	-1.14186
PRLHR	0.846207	-0.31035	3.721457	0.001361	0.007243	-1.14251
NPLOC4	-0.76216	0.566424	-3.72027	0.001364	0.007261	-1.14516
NCLN	-0.96587	0.978704	-3.71957	0.001367	0.007269	-1.14669
EDF1	0.766631	-0.43046	3.718777	0.001369	0.007277	-1.14846
SLC22A1	1.230123	-0.38014	3.718703	0.001369	0.007277	-1.14862
LOC40065!	1.21931	-0.32746	3.718592	0.00137	0.007277	-1.14887
POU2F3	1.308307	-0.55148	3.718397	0.00137	0.007279	-1.1493
LOC28424!	1.208951	-0.49253	3.725174	0.001449	0.007559	-1.15134
HNRNPKP3	-0.92197	0.182838	-3.73735	0.00141	0.007426	-1.15201
SETD5	-1.33921	0.993548	-3.71671	0.001376	0.007305	-1.15304
STK38L	-1.08799	0.792579	-3.71585	0.001379	0.007315	-1.15496
C19orf12	-1.14775	0.592558	-3.71582	0.001379	0.007315	-1.15501
SIPA1L2	-1.82849	1.614076	-3.71581	0.001379	0.007315	-1.15503
CYP2S1	1.025942	-0.34921	3.715202	0.001381	0.007323	-1.15638
NUDT19	-0.76984	0.684641	-3.71472	0.001382	0.007329	-1.15746
RFX4	0.869696	-0.43085	3.713812	0.001385	0.007341	-1.15947
DENND4B	-0.51137	0.394391	-3.71343	0.001386	0.007345	-1.16032
ANGEL1	1.291349	-0.33553	3.713078	0.001387	0.007347	-1.16109
LCN15	0.815029	-0.42957	3.712697	0.001389	0.007352	-1.16194
AQP7	1.228492	-0.70694	3.712243	0.00139	0.007358	-1.16295
CACNG5	0.91331	-0.29704	3.711843	0.001391	0.007362	-1.16383

FOLR3	-1.94473	1.131181	-3.71172	0.001392	0.007363	-1.16411
USH1C	0.699979	-0.49096	3.711489	0.001393	0.007363	-1.16462
GRIN2B	-1.08355	0.167825	-3.73133	0.001429	0.007494	-1.1651
ZDHHC6	-0.90603	0.118337	-3.71111	0.001394	0.007367	-1.16547
C22orf36	-1.51705	1.111257	-3.71094	0.001394	0.007368	-1.16583
GDPD2	0.888202	-0.38462	3.710427	0.001396	0.007374	-1.16697
PDPN	-0.85153	0.230892	-3.71037	0.001396	0.007374	-1.1671
RMND5B	-0.59461	0.387038	-3.7101	0.001397	0.007376	-1.16769
HMX1	0.713734	-0.41455	3.709355	0.001399	0.007387	-1.16935
KIAA0754	-1.52533	0.608829	-3.70877	0.001401	0.007395	-1.17064
LTBP4	0.963448	-0.3132	3.707694	0.001405	0.007412	-1.17303
TMEM40	1.263311	-0.50189	3.707316	0.001406	0.007416	-1.17387
PMEL	0.771053	-0.44143	3.707008	0.001407	0.00742	-1.17455
SCAPER	-0.70317	0.243576	-3.70643	0.001409	0.007426	-1.17583
PELO	-0.76522	0.489324	-3.70626	0.00141	0.007426	-1.1762
FLJ25328	0.660008	-0.254	3.789882	0.001628	0.008199	-1.17895
RNASE2	-1.92156	1.09123	-3.70479	0.001414	0.007447	-1.17947
AGFG1	-1.47238	0.813468	-3.70474	0.001415	0.007447	-1.17959
SGOL1	-0.66913	0.362478	-3.7044	0.001416	0.00745	-1.18034
IL26	-1.2729	0.580022	-3.70434	0.001416	0.00745	-1.18046
DOCK3	1.028764	-0.5929	3.703969	0.001417	0.007454	-1.18129
PHC2	-1.46829	1.012998	-3.70374	0.001418	0.007456	-1.1818
EFNB1	0.817893	-0.27995	3.703278	0.001419	0.007461	-1.18282
TRAPPC8	-0.96474	0.291837	-3.70324	0.001419	0.007461	-1.18291
CD320	0.805991	-0.31371	3.702545	0.001422	0.007471	-1.18445
LOC100501	-1.01309	0.917023	-3.70238	0.001422	0.007472	-1.18481
PRR13	-0.89145	0.623288	-3.70194	0.001424	0.007477	-1.18579
AP4M1	-0.52553	0.235236	-3.70138	0.001426	0.007485	-1.18703
SLC17A5	1.250224	-0.50849	3.700968	0.001427	0.007487	-1.18794
STK17A	-0.77388	0.433573	-3.70093	0.001427	0.007487	-1.18802
IL32	1.633319	-0.85534	3.700891	0.001427	0.007487	-1.18811
CATSPER3	0.677724	-0.0038	3.700418	0.001429	0.007494	-1.18916
PAK4	0.512357	-0.37619	3.699751	0.001431	0.0075	-1.19064
TSGA10IP	0.52781	-0.1821	3.699701	0.001431	0.0075	-1.19075
C2orf68	-1.29498	0.959703	-3.69833	0.001436	0.007514	-1.19379
GNAI3	-1.30867	0.350634	-3.69832	0.001436	0.007514	-1.19382
BLZF1	-1.1203	0.454105	-3.6983	0.001436	0.007514	-1.19384
SYTL1	-0.49954	0.539271	-3.69786	0.001437	0.007519	-1.19483
MUC13	-1.01324	0.306355	-3.6977	0.001438	0.007519	-1.19519
SELENBP1	2.301471	-0.47513	3.697583	0.001438	0.007519	-1.19544
FKBP5	-2.30494	1.09095	-3.69757	0.001438	0.007519	-1.19546
TXNIP	0.919348	-0.59092	3.697193	0.00144	0.007524	-1.19631
ZNF142	0.663754	-0.31467	3.696453	0.001442	0.007535	-1.19795
APH1B	-1.00387	0.295189	-3.69556	0.001445	0.007548	-1.19992
AVL9	-1.03713	0.564145	-3.69535	0.001446	0.00755	-1.2004
LRG1	-1.53795	0.958983	-3.69459	0.001448	0.007559	-1.20208
NAIP	-3.08154	2.112556	-3.69446	0.001449	0.007559	-1.20237

LOC388796	1.548478	-1.15834	3.694364	0.001449	0.007559	-1.20258
LOC100130	-0.88892	0.70319	-3.69432	0.001449	0.007559	-1.20267
MOP-1	1.107427	-0.62846	3.694089	0.00145	0.00756	-1.20318
HOXD9	0.699142	-0.54798	3.693284	0.001453	0.007572	-1.20497
RAB3IP	-1.28897	0.921734	-3.69259	0.001455	0.00758	-1.2065
TSNARE1	0.774027	-0.17512	3.692029	0.001457	0.007588	-1.20775
PAGE2	1.681566	-1.09853	3.691131	0.00146	0.007602	-1.20974
SLC7A2	-0.84364	0.26343	-3.69101	0.00146	0.007602	-1.21
LOC400897	-1.40413	0.246407	-3.69074	0.001461	0.007605	-1.2106
PSMD13	-0.46817	0.085801	-3.69019	0.001463	0.007613	-1.21181
RAI14	0.809784	-0.44561	3.697057	0.001545	0.007906	-1.21221
GRWD1	0.992811	-0.51347	3.688929	0.001467	0.007633	-1.21462
ADRBK1	-0.7108	0.717037	-3.68849	0.001469	0.007639	-1.2156
PECR	-1.98885	0.922452	-3.68832	0.00147	0.007639	-1.21596
KIAA2026	-0.88982	0.503473	-3.68824	0.00147	0.007639	-1.21615
FAM186B	0.963081	-0.57027	3.687676	0.001472	0.007646	-1.21739
CNGB3	1.234856	-0.26248	3.68727	0.001473	0.00765	-1.21829
FGF7	-1.88042	0.571029	-3.6865	0.001476	0.007662	-1.21999
TMUB2	-0.76894	0.582178	-3.68613	0.001477	0.007666	-1.22082
TMEM63B	0.689054	-0.268	3.685661	0.001479	0.007673	-1.22185
ANKRA2	-1.06513	0.276392	-3.6853	0.00148	0.007677	-1.22265
FOLR2	0.96044	-0.51177	3.684742	0.001482	0.007684	-1.22389
SHD	1.102394	-0.45169	3.684701	0.001482	0.007684	-1.22398
CYP4Z2P	-1.2623	0.144392	-3.68391	0.001485	0.007696	-1.22573
POU6F1	0.870249	-0.32037	3.689787	0.001571	0.007998	-1.22794
MYPOP	-0.77195	0.915247	-3.68265	0.001489	0.007715	-1.22852
GPR141	-2.4646	1.42042	-3.68259	0.001489	0.007715	-1.22866
SLC27A1	1.056571	-0.40276	3.682299	0.00149	0.007719	-1.2293
LOC100657	-1.13723	0.979097	-3.68206	0.001491	0.007721	-1.22982
ADAM7	0.729687	-0.59461	3.73585	0.001664	0.008325	-1.23081
SMARCD3	-1.15192	0.65691	-3.68153	0.001493	0.007728	-1.23101
ANAPC16	-0.53833	0.124084	-3.68123	0.001494	0.007732	-1.23167
YPEL4	1.008304	-0.45784	3.680775	0.001495	0.007738	-1.23267
LOC220729	-0.65479	0.287264	-3.68005	0.001498	0.007747	-1.23428
HLA-DRB1	1.26002	-0.64449	3.679966	0.001498	0.007747	-1.23447
SLC26A11	-1.08157	0.470967	-3.67991	0.001498	0.007747	-1.23458
GCKR	-1.21711	0.917088	-3.67949	0.0015	0.00775	-1.23553
C6orf141	0.758649	-0.44117	3.679474	0.0015	0.00775	-1.23556
C7orf74	-1.36351	1.249003	-3.6794	0.0015	0.00775	-1.23571
PEX13	-0.91414	0.608864	-3.67828	0.001504	0.007766	-1.2382
ZNF254	-0.92347	0.232255	-3.6782	0.001504	0.007766	-1.23838
ZNF620	-1.26604	0.462996	-3.67819	0.001505	0.007766	-1.23841
MXI1	1.6783	-1.32572	3.677926	0.001505	0.007768	-1.23898
PIGS	-0.5193	0.52462	-3.67785	0.001506	0.007768	-1.23916
DENND4C	0.546219	-0.42963	3.677247	0.001508	0.007777	-1.24049
C21orf119	-1.03292	0.481105	-3.67684	0.001509	0.007782	-1.2414
GLIPR1L2	-1.14714	0.210125	-3.67664	0.00151	0.007784	-1.24184

FAM47C	1.082922	-0.68419	3.676323	0.001511	0.007785	-1.24253
PPARG	-2.18039	1.153	-3.67631	0.001511	0.007785	-1.24256
NAPG	-0.91959	0.079375	-3.6761	0.001512	0.007787	-1.24302
C2CD4C	0.891295	-0.53299	3.675688	0.001513	0.007793	-1.24394
IL28A	0.875936	-0.43963	3.675556	0.001514	0.007793	-1.24423
NRM	-0.74972	0.616835	-3.67534	0.001514	0.007795	-1.24472
TRIM46	0.822228	-0.28642	3.675175	0.001515	0.007796	-1.24507
UCA1	-0.57714	0.171949	-3.67506	0.001515	0.007796	-1.24533
ZNF397	-1.27125	0.878301	-3.67475	0.001517	0.007799	-1.24602
DNA2	-1.60938	0.635221	-3.67452	0.001517	0.007801	-1.24653
TUBG1	-0.78877	0.744291	-3.67443	0.001518	0.007801	-1.24672
C12orf50	-0.9907	0.346922	-3.70308	0.001645	0.008259	-1.24717
DPEP2	1.062427	-0.22778	3.673996	0.001519	0.007807	-1.24768
SUFU	-0.67867	0.690898	-3.67355	0.001521	0.007812	-1.24868
MEIG1	1.275395	-0.20803	3.673464	0.001521	0.007812	-1.24886
KBTBD4	-0.62896	0.427873	-3.67315	0.001522	0.007816	-1.24956
TCTE1	0.612862	-0.41549	3.672361	0.001525	0.007828	-1.2513
MUC2	0.677321	-0.41608	3.671989	0.001526	0.007833	-1.25213
AP3B1	-0.8505	0.522054	-3.67181	0.001527	0.007834	-1.25252
CPSF3	-0.59362	0.337984	-3.68908	0.001573	0.008003	-1.25688
SCAMP5	0.866983	-0.20714	3.669781	0.001534	0.007867	-1.25701
TMBIM1	-1.0486	0.764864	-3.66893	0.001537	0.007881	-1.2589
NSF	-0.67098	0.234182	-3.66859	0.001538	0.007885	-1.25965
IL17B	0.96288	-0.7654	3.668358	0.001539	0.007887	-1.26016
LRRC72	0.987386	-0.31852	3.674401	0.001627	0.008194	-1.26122
UBD	-0.86186	0.059114	-3.6677	0.001542	0.007895	-1.26162
TOP1	-0.87124	0.720678	-3.66769	0.001542	0.007895	-1.26164
NENF	0.771342	-0.37107	3.667241	0.001543	0.007901	-1.26264
CPA4	0.793733	-0.4186	3.666878	0.001545	0.007906	-1.26344
AGTPBP1	-1.35122	0.453998	-3.66654	0.001546	0.007908	-1.26418
CYLD	-0.75591	0.367856	-3.66632	0.001547	0.007908	-1.26468
PACSIN2	-1.15425	0.600537	-3.66616	0.001547	0.007908	-1.26504
SRPK1	-1.34849	0.728807	-3.66613	0.001547	0.007908	-1.2651
SPNS2	-0.89952	0.923151	-3.66606	0.001547	0.007908	-1.26524
PINK1	1.104023	-0.51004	3.665969	0.001548	0.007908	-1.26545
B4GALT3	0.637373	-0.26659	3.665547	0.001549	0.007914	-1.26638
IQSEC2	0.908138	-0.43944	3.664984	0.001551	0.007922	-1.26763
HAUS2	-1.04754	0.602517	-3.66441	0.001553	0.00793	-1.2689
PELP1	0.542761	-0.47458	3.663942	0.001555	0.007937	-1.26993
REL	-0.92423	0.610823	-3.66375	0.001556	0.007939	-1.27037
FAM55D	0.866072	-0.1885	3.68189	0.001599	0.008097	-1.27248
FAM78B	1.164382	-0.42621	3.668533	0.001649	0.008267	-1.2739
FAM65A	0.809081	-0.32806	3.662129	0.001562	0.007966	-1.27395
AQP10	0.813468	-0.50465	3.661072	0.001565	0.007982	-1.27629
PAQR4	-1.00953	1.032675	-3.66106	0.001566	0.007982	-1.27632
ZNF136	-0.84627	0.357349	-3.66088	0.001566	0.007983	-1.2767
CACNA2D3	1.855233	-1.1062	3.66043	0.001568	0.007989	-1.27771

LOC10050!	-1.50891	1.382345	-3.66031	0.001568	0.00799	-1.27798
TMEM14E	1.49327	-0.62173	3.712739	0.00175	0.008607	-1.27857
SLC9A9	-1.17621	0.482195	-3.65998	0.001569	0.007994	-1.27871
TACR2	1.011777	-0.6	3.659544	0.001571	0.007998	-1.27967
APOO	-0.70889	0.279355	-3.65908	0.001573	0.008003	-1.2807
DISC1	-0.94666	0.544393	-3.65891	0.001573	0.008003	-1.28106
CLDN4	1.188138	-0.48618	3.657809	0.001577	0.008021	-1.2835
ZNF700	-1.07837	0.569	-3.65762	0.001578	0.008021	-1.28393
ZNF583	-1.11103	0.370716	-3.65753	0.001578	0.008021	-1.28411
NUPR1	0.815766	-0.38969	3.657481	0.001579	0.008021	-1.28423
GYPA	0.765014	-0.24109	3.657385	0.001579	0.008021	-1.28444
KAT2B	0.799536	-0.34169	3.684881	0.001713	0.008479	-1.28568
C16orf7	-0.85292	0.591723	-3.656	0.001584	0.008043	-1.28751
PLEKHA1	1.021762	-0.33779	3.65587	0.001584	0.008043	-1.28779
MGC39545	-1.85773	0.456349	-3.65587	0.001584	0.008043	-1.2878
ALOX12B	0.927588	-0.38678	3.655783	0.001585	0.008043	-1.28799
PTGER1	0.45154	-0.25665	3.655357	0.001586	0.008048	-1.28893
BHLHE23	0.838167	-0.46754	3.655035	0.001588	0.008051	-1.28964
TFDP1	-0.90225	0.527152	-3.65501	0.001588	0.008051	-1.28969
ELK1	-0.71336	0.567039	-3.65387	0.001592	0.00807	-1.29222
SERP2	0.9754	-0.52372	3.653513	0.001593	0.008075	-1.29301
ZNF585B	-0.97218	0.502151	-3.65337	0.001594	0.008075	-1.29332
TAS2R8	-0.88529	0.063157	-3.65231	0.001598	0.008092	-1.29567
BPIFB4	1.322968	-0.54867	3.652242	0.001598	0.008092	-1.29582
SERPINH1	1.160808	-0.45034	3.651384	0.001601	0.008104	-1.29772
VPS16	-0.38258	0.168949	-3.65117	0.001602	0.008106	-1.29818
ANKRD36B	1.359205	-0.72143	3.657269	0.001691	0.008421	-1.29825
HS1BP3	-1.39178	0.649644	-3.65109	0.001602	0.008106	-1.29838
COL4A1	-1.01429	0.082387	-3.65095	0.001603	0.008106	-1.29867
FBLN2	-0.59615	0.795938	-3.65012	0.001606	0.008119	-1.30051
TMOD1	1.867983	-0.8532	3.655417	0.001698	0.008446	-1.30225
LYNX1	0.799776	-0.34557	3.649042	0.00161	0.008137	-1.30289
SIGLEC10	-1.62814	0.816362	-3.64886	0.00161	0.008137	-1.30329
SLC43A1	0.722645	-0.19225	3.648817	0.001611	0.008137	-1.30339
SNAPC3	-1.00542	0.425648	-3.64876	0.001611	0.008137	-1.30353
SEMA3E	-0.94217	0.171874	-3.66702	0.001654	0.008287	-1.30474
SCARA3	1.049249	-0.69662	3.648007	0.001614	0.008149	-1.30518
PIGC	-0.55418	0.356743	-3.64741	0.001616	0.008158	-1.30649
MAX	-0.70141	0.599365	-3.6471	0.001617	0.008162	-1.30718
SRSF12	0.617394	-0.15257	3.686184	0.001708	0.008467	-1.30835
WBP4	-1.27169	1.082475	-3.64636	0.00162	0.008174	-1.30882
UPF2	-0.84696	0.878807	-3.64595	0.001621	0.008179	-1.30973
IRX1	0.649498	-0.28394	3.645556	0.001623	0.008185	-1.3106
SLMO2	-0.60069	0.343781	-3.64542	0.001623	0.008185	-1.31091
NOL8	-0.80619	0.621719	-3.64506	0.001625	0.00819	-1.3117
GML	0.850531	-0.41877	3.644834	0.001626	0.00819	-1.3122
RPL35A	1.693658	-1.85376	3.644819	0.001626	0.00819	-1.31223

WDR27	-0.9911	0.765907	-3.64401	0.001629	0.008199	-1.31402
MAPK1	-1.01886	0.63877	-3.64367	0.00163	0.008203	-1.31476
LTBR	-1.1814	0.926201	-3.6436	0.00163	0.008203	-1.31493
SNAP23	-1.13037	0.503317	-3.64339	0.001631	0.008205	-1.31538
CECR6	1.192117	-0.11748	3.642874	0.001633	0.008213	-1.31653
ERH	-1.04576	-0.12355	-3.64221	0.001635	0.008223	-1.318
POLA2	-0.60285	0.396944	-3.6421	0.001636	0.008223	-1.31825
CRYGN	0.965015	-0.4626	3.641166	0.001639	0.008239	-1.32031
KRT222	-0.92243	0.056214	-3.64017	0.001643	0.008256	-1.32252
ZER1	1.008607	-0.40564	3.639828	0.001645	0.008259	-1.32326
PRKDC	1.153428	-0.42439	3.639669	0.001645	0.008259	-1.32361
LOC100128	-0.49104	0.221172	-3.63944	0.001646	0.008261	-1.32412
LRSAM1	-1.10388	0.88067	-3.6392	0.001647	0.008264	-1.32466
ZFP3	-0.95861	0.235328	-3.63886	0.001648	0.008267	-1.32541
NDUFA9	-0.79522	0.689786	-3.63801	0.001651	0.00828	-1.32728
MICAL1	-1.04463	0.556798	-3.6376	0.001653	0.008286	-1.32819
NEU1	-0.73556	0.416831	-3.6374	0.001654	0.008287	-1.32863
CD5L	-0.60407	0.045564	-3.63696	0.001656	0.008292	-1.3296
KIF5A	1.38012	-0.24708	3.636689	0.001657	0.008294	-1.3302
LMX1A	0.740557	-0.44235	3.636618	0.001657	0.008294	-1.33036
KLF8	-0.68177	0.7453	-3.63628	0.001658	0.008299	-1.33111
VCPIP1	-1.02739	0.408599	-3.6354	0.001661	0.008313	-1.33304
DUSP6	1.287499	-0.79317	3.634546	0.001665	0.008326	-1.33494
VIT	1.287201	-0.39429	3.661513	0.001804	0.008792	-1.3351
ZSCAN30	-1.00307	0.513475	-3.63386	0.001667	0.008337	-1.33646
CEBPD	-1.31165	0.945472	-3.63335	0.001669	0.008343	-1.33759
DCAF4L2	0.833296	-0.60235	3.633314	0.00167	0.008343	-1.33766
BAI2	0.648615	-0.19456	3.632829	0.001671	0.00835	-1.33873
NIPA2	-0.68859	0.149213	-3.63218	0.001674	0.008361	-1.34017
ARL8B	-1.26471	0.648376	-3.63155	0.001676	0.008371	-1.34156
RAVER1	-1.28224	1.13678	-3.63086	0.001679	0.008382	-1.34309
ZNF572	1.03016	-0.88746	3.630781	0.001679	0.008382	-1.34326
SERPINB3	-0.49019	-0.03239	-3.63585	0.001776	0.0087	-1.34452
CXCL11	-1.19629	0.144543	-3.62966	0.001684	0.0084	-1.34574
IFFO2	1.1332	-0.53937	3.629599	0.001684	0.0084	-1.34587
ABHD11	-0.7739	0.450144	-3.62917	0.001686	0.008407	-1.34683
TEKT3	-1.07315	0.203999	-3.64738	0.00173	0.008536	-1.34732
GABRE	-0.48544	0.186354	-3.62893	0.001687	0.008409	-1.34734
VILL	-0.47934	0.407747	-3.62864	0.001688	0.008413	-1.34799
LRBA	1.092901	-0.83701	3.62844	0.001689	0.008414	-1.34843
LHX5	0.826515	-0.39168	3.628266	0.001689	0.008416	-1.34881
CTBS	-1.04557	0.353159	-3.62783	0.001691	0.008421	-1.34976
FAM120AC	-1.01037	0.929278	-3.62727	0.001693	0.008429	-1.351
TMC3	0.900255	-0.15434	3.626774	0.001695	0.008436	-1.35211
SLC22A4	-1.8646	1.479511	-3.62666	0.001696	0.008436	-1.35235
DNAJA1	-1.26743	0.954813	-3.62607	0.001698	0.008446	-1.35367
LOC28594	1.264161	-0.46003	3.625834	0.001699	0.008446	-1.35418

MAGEL2	0.895083	-0.50347	3.625196	0.001701	0.008456	-1.35559
BMF	0.685466	-0.14508	3.624893	0.001702	0.008459	-1.35626
ZNF655	-0.72225	0.112156	-3.62475	0.001703	0.008459	-1.35657
ZFP28	-1.14092	0.871774	-3.62469	0.001703	0.008459	-1.35671
CCND3	-1.48328	1.34024	-3.62461	0.001704	0.008459	-1.35689
ALG2	-0.58704	0.394038	-3.62452	0.001704	0.008459	-1.35709
NDUFV1	0.681593	-0.36247	3.624382	0.001705	0.008459	-1.35739
LOC151534	0.497789	-0.23934	3.624264	0.001705	0.00846	-1.35765
BIRC2	-1.26086	0.488476	-3.62409	0.001706	0.008461	-1.35803
KPNA2	-0.78035	0.461172	-3.6237	0.001707	0.008466	-1.35889
AHNAK2	1.055183	-0.25904	3.62309	0.00171	0.008474	-1.36024
IL6ST	-1.49914	0.504793	-3.62283	0.001711	0.008477	-1.36081
CAPZA1	-1.73758	0.415726	-3.62247	0.001712	0.008479	-1.3616
HIST1H4I	-0.81929	0.453389	-3.6223	0.001713	0.008479	-1.36199
EMP2	-1.01553	0.25807	-3.62229	0.001713	0.008479	-1.36201
H2AFB2	-0.84482	0.551993	-3.62204	0.001714	0.008482	-1.36256
UQCR10	-0.71457	0.250322	-3.62183	0.001715	0.008484	-1.36302
AVPI1	0.71626	-0.19308	3.621395	0.001716	0.00849	-1.36399
RSPH4A	-0.86347	-0.0075	-3.621	0.001718	0.008496	-1.36485
TSTA3	1.033413	-0.58545	3.620831	0.001719	0.008497	-1.36523
CD59	-2.27727	1.570361	-3.6203	0.001721	0.008505	-1.36641
C6orf124	0.828774	-0.33986	3.620215	0.001721	0.008505	-1.36659
STOML2	0.636501	-0.52342	3.619635	0.001723	0.008514	-1.36787
DIRAS2	-0.99353	0.250895	-3.61903	0.001726	0.008522	-1.36921
DMD	-1.28909	0.378708	-3.61901	0.001726	0.008522	-1.36925
CST5	0.930747	-0.31166	3.617964	0.00173	0.008536	-1.37156
SIGLEC5	-1.60278	1.061538	-3.61781	0.001731	0.008536	-1.3719
RTP1	1.070586	-0.41131	3.617802	0.001731	0.008536	-1.37192
PVT1	0.802428	-0.51831	3.617723	0.001731	0.008536	-1.37209
C2orf88	1.578163	-0.77088	3.617664	0.001731	0.008536	-1.37223
GZF1	-0.76526	0.318589	-3.63553	0.001777	0.008704	-1.37299
DMTF1	-1.02342	0.318685	-3.61646	0.001736	0.008556	-1.37489
CXCL5	1.760729	-0.95453	3.616361	0.001736	0.008556	-1.3751
INTS3	-0.80685	0.704693	-3.61634	0.001737	0.008556	-1.37515
IGFLR1	-0.78594	0.3782	-3.61447	0.001744	0.008589	-1.37928
YIF1A	0.758924	-0.33519	3.614419	0.001744	0.008589	-1.37939
PROX1	-0.95409	0.155189	-3.61437	0.001745	0.008589	-1.37951
PPP2R3C	-1.06749	0.517425	-3.61414	0.001745	0.008591	-1.38
TRIM69	-1.42049	0.936455	-3.61374	0.001747	0.008597	-1.38088
BPGM	1.548982	-0.60882	3.612356	0.001753	0.00862	-1.38394
RNF121	-0.86507	0.195551	-3.61173	0.001755	0.00863	-1.38532
TATDN3	-0.8994	0.637909	-3.61118	0.001757	0.008639	-1.38654
CARS	-0.98184	0.533875	-3.61098	0.001758	0.008641	-1.38699
LOC100506	1.101799	-0.42787	3.686378	0.002024	0.00957	-1.38714
MBD2	-0.5961	0.165487	-3.6107	0.001759	0.008643	-1.3876
GZMH	2.146048	-1.10534	3.610689	0.001759	0.008643	-1.38762
LOC349196	-1.08936	0.172906	-3.60977	0.001763	0.008659	-1.38965

C4orf3	-0.97363	0.10235	-3.60925	0.001765	0.008667	-1.39079
B3GAT1	1.5975	-0.65824	3.60916	0.001766	0.008667	-1.391
KIF2C	-0.99725	0.472852	-3.60902	0.001766	0.008667	-1.39131
PTGIR	1.331143	-0.29382	3.6086	0.001768	0.008674	-1.39223
FBXW7	-0.68146	0.269963	-3.60837	0.001769	0.008676	-1.39275
PI3	2.631465	-1.49161	3.608023	0.00177	0.008681	-1.39351
PPP3CB	-0.62514	-0.11374	-3.60779	0.001771	0.008683	-1.39402
UBE2V2	0.986519	-0.216	3.607603	0.001772	0.008685	-1.39444
RPS11	1.446179	-1.10496	3.606138	0.001778	0.008708	-1.39767
MLXIP	-1.37269	1.140189	-3.60587	0.001779	0.008711	-1.39827
PRR7	-0.85024	1.003003	-3.6049	0.001783	0.008727	-1.40041
LY6G5B	-0.69011	0.453509	-3.60485	0.001783	0.008727	-1.40051
C1RL	-1.8018	0.796938	-3.60446	0.001785	0.008733	-1.40136
SSTR5	0.933849	-0.49448	3.604236	0.001786	0.008735	-1.40187
PARD6G	0.654063	-0.47554	3.6038	0.001788	0.008742	-1.40283
CHGA	0.792186	-0.51394	3.603682	0.001788	0.008742	-1.40309
CMYA5	-0.78933	0.131637	-3.6208	0.001837	0.008913	-1.40489
PTK2B	-0.86192	0.870421	-3.60286	0.001792	0.008757	-1.40491
LOC44245	1.154787	-0.46232	3.602734	0.001792	0.008757	-1.40518
U2AF1L4	-0.71721	0.639124	-3.60257	0.001793	0.008758	-1.40554
MIR22HG	-1.10199	0.415039	-3.60228	0.001794	0.008761	-1.40619
RRNAD1	-0.54861	0.531028	-3.60224	0.001794	0.008761	-1.40628
HBM	2.772871	-1.29973	3.601962	0.001795	0.008764	-1.40688
GPR146	2.05043	-0.66312	3.601754	0.001796	0.008766	-1.40734
TMEM182	-1.06275	0.01698	-3.60154	0.001797	0.008768	-1.40781
FAM92B	1.316888	-0.48208	3.601394	0.001798	0.008769	-1.40813
WDR19	-0.6481	0.385401	-3.60059	0.001801	0.008783	-1.40991
PFN1P2	0.946209	-0.51279	3.600376	0.001802	0.008785	-1.41038
DIRC2	-1.34429	0.686097	-3.59938	0.001806	0.008801	-1.41258
S100A11	-1.22905	1.067762	-3.59903	0.001808	0.008806	-1.41335
LRP2	0.976493	-0.231	3.603767	0.00191	0.009173	-1.41373
SPAG5	-1.28044	1.180366	-3.59874	0.001809	0.00881	-1.41398
COMMD2	-1.09184	0.326785	-3.61622	0.001856	0.008982	-1.4148
RTTN	1.046082	-0.15626	3.603256	0.001912	0.009181	-1.41484
ZNF839	-1.06966	0.864398	-3.59818	0.001811	0.008817	-1.41521
DOCK11	-0.87341	0.233922	-3.59818	0.001811	0.008817	-1.41522
C14orf162	0.795911	-0.44071	3.597774	0.001813	0.008823	-1.41612
DPP7	0.687448	-0.25713	3.597515	0.001814	0.008826	-1.41669
MCTP1	-2.02564	1.318728	-3.59701	0.001816	0.008834	-1.4178
ELMOD3	-0.46233	0.266919	-3.59689	0.001817	0.008835	-1.41807
LINGO2	1.088086	-0.82256	3.596378	0.001819	0.008843	-1.4192
ALG14	-1.14572	0.342107	-3.60102	0.001922	0.00921	-1.41967
USP33	-1.76995	1.044447	-3.59601	0.00182	0.008848	-1.42001
ACOT7	-1.27238	1.276665	-3.59461	0.001826	0.008874	-1.42311
TNRC6A	-1.16165	1.011731	-3.59452	0.001827	0.008874	-1.42329
PRAMEF10	-1.09501	0.185513	-3.59861	0.001932	0.009245	-1.42484
DHRS13	-1.11127	0.85331	-3.59379	0.00183	0.008887	-1.4249

REEP5	-1.07883	0.755898	-3.59329	0.001832	0.008895	-1.426
ZNF133	-0.69424	0.503322	-3.59297	0.001833	0.0089	-1.42671
ACR	0.848716	-0.39665	3.592688	0.001834	0.008903	-1.42734
CCDC70	0.801557	-0.21565	3.592354	0.001836	0.008908	-1.42807
VPS53	-1.38077	1.148837	-3.59151	0.001839	0.008921	-1.42995
RP9	-0.70304	0.573146	-3.59099	0.001842	0.00893	-1.43108
PSTK	1.435405	-0.06815	3.59012	0.001845	0.008945	-1.433
NLRP11	0.591477	-0.21802	3.607404	0.001894	0.009111	-1.43389
AK4	-1.02843	0.940501	-3.58948	0.001848	0.008956	-1.4344
RPGRIP1	1.356615	-0.51	3.588819	0.001851	0.008968	-1.43587
C10orf137	-0.86707	0.519665	-3.58858	0.001852	0.008971	-1.4364
MED12L	-1.01161	0.453955	-3.58816	0.001854	0.008975	-1.43731
MMP23B	1.097136	-0.28299	3.588158	0.001854	0.008975	-1.43733
IL17RE	0.822972	-0.49981	3.587746	0.001856	0.008981	-1.43823
AFP	1.227287	-0.32976	3.592256	0.00196	0.009349	-1.43855
HYI	0.838351	-0.11676	3.587475	0.001857	0.008982	-1.43883
FRK	-0.79341	0.145653	-3.58739	0.001857	0.008982	-1.43902
EIF2C3	-0.81434	0.817002	-3.58637	0.001861	0.009001	-1.44126
RLTPR	0.879117	-0.50988	3.586032	0.001863	0.009006	-1.44201
ACAD8	-0.60794	0.289052	-3.58527	0.001866	0.009018	-1.44369
LOC72917	0.645804	-0.45201	3.585247	0.001866	0.009018	-1.44374
GRIN3B	0.71629	-0.42745	3.584702	0.001869	0.009027	-1.44494
WDR5B	-1.27488	0.379412	-3.58444	0.00187	0.00903	-1.44551
RAB37	0.798809	-0.38431	3.583637	0.001873	0.009043	-1.44729
C5orf51	0.510875	-0.77814	3.583617	0.001873	0.009043	-1.44734
PEX26	0.81987	-0.66411	3.583277	0.001875	0.009048	-1.44809
SF1	-1.49112	1.182114	-3.583	0.001876	0.00905	-1.44869
NKX6-3	0.729229	-0.29957	3.582951	0.001876	0.00905	-1.4488
TMEM167	-0.88528	0.213871	-3.58286	0.001877	0.00905	-1.449
KATNB1	-0.66537	0.525257	-3.58273	0.001877	0.009051	-1.4493
LMNA	1.337932	-0.29332	3.58145	0.001883	0.009075	-1.45211
EXOC7	-0.7275	0.716481	-3.58125	0.001884	0.009076	-1.45255
LOC72908	-0.74963	0.105692	-3.58109	0.001884	0.009076	-1.4529
SLC6A9	1.701044	-0.37904	3.581094	0.001884	0.009076	-1.4529
CAV3	-0.71068	0.385387	-3.58078	0.001886	0.00908	-1.4536
FER1L6-AS	0.9175	-0.38794	3.580058	0.001889	0.009093	-1.45518
ALOX15	1.439343	-0.17368	3.579638	0.001891	0.0091	-1.45611
EXPH5	0.510162	-0.52495	3.579339	0.001892	0.009104	-1.45676
SIRPB1	-1.05337	0.939726	-3.57845	0.001896	0.009118	-1.45872
CNBD1	1.298506	-0.65462	3.787261	0.00264	0.011657	-1.45928
RBKS	-0.8948	0.297888	-3.57784	0.001899	0.009129	-1.46007
ARHGDI	-0.9977	1.191918	-3.57757	0.0019	0.009132	-1.46066
COPZ2	1.440283	-0.36924	3.616531	0.002344	0.010683	-1.46215
RNF187	0.952747	-0.54383	3.576824	0.001903	0.009144	-1.46231
VWA3A	0.827963	-0.65782	3.576816	0.001903	0.009144	-1.46232
NDUFAB1	-0.72884	0.428174	-3.57476	0.001912	0.009181	-1.46685
GCM1	0.864992	-0.44256	3.574492	0.001913	0.009184	-1.46744

CALU	-0.42368	0.473587	-3.57378	0.001916	0.009197	-1.46901
ZNF76	-0.93466	0.857267	-3.57334	0.001918	0.009203	-1.46997
PARP9	-1.63581	0.932141	-3.57329	0.001919	0.009203	-1.4701
HARS2	-0.41787	0.230534	-3.5732	0.001919	0.009203	-1.47029
TYMS	-1.63153	1.484764	-3.57307	0.00192	0.009203	-1.47057
RPS6KA1	-0.80029	0.641855	-3.57211	0.001924	0.009219	-1.47269
TRAPPC3	-0.49277	0.050606	-3.57175	0.001926	0.009225	-1.47349
PIEZO2	-0.42394	0.065045	-3.57158	0.001926	0.009226	-1.47386
GH2	-0.74802	0.213215	-3.57143	0.001927	0.009227	-1.47419
CDYL2	-1.01294	0.835952	-3.57109	0.001928	0.009232	-1.47494
GMPPA	-0.73066	0.662399	-3.57055	0.001931	0.009241	-1.47612
C2orf76	-1.45841	0.712956	-3.58786	0.00198	0.009415	-1.47615
PHAX	-1.0575	0.79565	-3.57016	0.001933	0.009245	-1.47699
CNOT4	-0.9878	0.685647	-3.56936	0.001936	0.00926	-1.47875
RARRES1	-0.52749	0.067472	-3.58645	0.001986	0.009436	-1.47921
PEX11B	-0.7592	0.175536	-3.56892	0.001938	0.009267	-1.47972
KCNJ4	1.178494	-0.09102	3.586108	0.001988	0.009441	-1.47994
MUC1	-1.33711	0.621203	-3.56862	0.00194	0.009271	-1.48038
LOC100133	0.793731	-0.27837	3.568245	0.001941	0.009277	-1.4812
SLC4A3	1.236327	-0.8673	3.592015	0.002104	0.009839	-1.48189
LOC100616	0.947747	-0.17703	3.567856	0.001943	0.009283	-1.48206
CYYR1	-1.28645	0.25729	-3.56774	0.001943	0.009283	-1.48232
RIPK1	-0.6833	0.445737	-3.56581	0.001952	0.009322	-1.48657
CLEC5A	-2.83099	1.224272	-3.56576	0.001952	0.009322	-1.48668
FAM57B	0.796673	-0.38721	3.565571	0.001953	0.009323	-1.48709
ZNF140	-1.1159	0.358341	-3.56529	0.001955	0.009327	-1.48772
TSNAXIP1	1.468683	-0.48595	3.569028	0.002066	0.009708	-1.48859
STX10	-0.94335	0.700394	-3.56443	0.001958	0.009343	-1.4896
MYBPC3	-0.70564	0.446761	-3.56374	0.001962	0.009354	-1.49113
C6orf15	0.973448	-0.26564	3.666843	0.002576	0.011446	-1.49157
MAEL	-0.91755	0.301435	-3.56323	0.001964	0.009361	-1.49226
C10orf82	1.432175	-0.21061	3.563176	0.001964	0.009361	-1.49237
PDS5B	-0.69321	0.451686	-3.56269	0.001966	0.00937	-1.49344
BUB3	-0.4803	0.454582	-3.56246	0.001967	0.009372	-1.49394
ZMYM2	-0.95169	0.279243	-3.56172	0.001971	0.009386	-1.49557
AP1S1	-1.20757	1.03249	-3.56099	0.001974	0.0094	-1.49719
ZMYM6NB	-0.49511	0.377843	-3.56021	0.001978	0.009414	-1.4989
ACPT	0.586989	-0.38107	3.560026	0.001978	0.009414	-1.4993
RASA1	-0.68052	-0.05359	-3.56001	0.001979	0.009414	-1.49934
GPS2	-0.73367	0.700473	-3.55991	0.001979	0.009414	-1.49955
SLC25A35	-0.51597	0.498368	-3.55945	0.001981	0.00942	-1.50057
MYCT1	1.274299	-0.42508	3.559339	0.001982	0.00942	-1.50081
OR13C4	0.743108	-0.3899	3.559033	0.001983	0.009424	-1.50149
BAZ1A	-1.36261	0.506275	-3.55767	0.001989	0.009447	-1.50449
ANP32A	-0.73264	0.678426	-3.55756	0.00199	0.009447	-1.50474
DKFZP434F	-1.02887	0.85043	-3.5566	0.001994	0.009466	-1.50684
LOC100501	1.308932	-0.68228	3.560418	0.002107	0.009848	-1.50712

PLA2G7	1.694169	-0.89043	3.58675	0.002298	0.010526	-1.50724
GTPBP4	-0.74624	0.639846	-3.55587	0.001998	0.009478	-1.50846
DDX23	-0.44103	0.327358	-3.55583	0.001998	0.009478	-1.50853
ANKRD13B	0.850504	-0.17034	3.572577	0.00205	0.009649	-1.50918
TTY1	0.984637	-0.34515	3.559098	0.002113	0.00987	-1.50996
FAR2	-1.55252	0.881192	-3.55449	0.002004	0.009505	-1.51149
UBXN7	0.878465	-0.27199	3.553932	0.002007	0.009515	-1.51271
IFNA4	-1.08949	0.164694	-3.55337	0.002009	0.009525	-1.51396
TST	0.813956	-0.2111	3.553181	0.00201	0.009527	-1.51437
ARHGEF26	0.887865	-0.35057	3.552859	0.002012	0.009531	-1.51508
MGC27345	0.613282	-0.41919	3.552797	0.002012	0.009531	-1.51521
KIAA1324	1.819122	-0.62446	3.654144	0.002642	0.011657	-1.51529
LOC255480	0.815083	-0.32448	3.552508	0.002013	0.009535	-1.51585
ZNF92	-0.89947	0.285736	-3.55192	0.002016	0.009544	-1.51714
ZC3H13	-0.90009	0.65917	-3.55181	0.002016	0.009544	-1.51739
HS3ST2	-0.92284	0.236865	-3.5517	0.002017	0.009544	-1.51762
CD300C	-1.06285	0.848416	-3.55169	0.002017	0.009544	-1.51764
MS4A1	-1.18135	1.195167	-3.55145	0.002018	0.009547	-1.51819
ATP5SL	-0.71677	0.674074	-3.55106	0.00202	0.009553	-1.51904
HMCN1	-0.63315	0.23299	-3.55005	0.002025	0.009571	-1.52126
DTX3L	-1.27825	0.998433	-3.54961	0.002027	0.009578	-1.52222
LINC00263	0.82629	-0.23775	3.549398	0.002028	0.009581	-1.52269
FFAR2	-0.97438	0.555596	-3.54925	0.002028	0.009582	-1.52302
CSTF3	-0.90024	0.525687	-3.54914	0.002029	0.009582	-1.52325
PYGO2	0.553757	-0.2854	3.548944	0.00203	0.009584	-1.52369
TMEM1061	-1.00077	0.343551	-3.57096	0.002205	0.010188	-1.52628
FOXM1	-0.97671	0.63445	-3.54726	0.002038	0.009619	-1.5274
ETFDH	-0.83395	0.416466	-3.54696	0.002039	0.009623	-1.52806
CEP152	-1.29053	0.807499	-3.54678	0.00204	0.009623	-1.52846
CAMKK2	-0.97013	0.827782	-3.54676	0.00204	0.009623	-1.5285
HSPBAP1	-0.95695	0.445208	-3.54645	0.002042	0.009628	-1.52918
APBA1	0.820342	-0.3165	3.546325	0.002042	0.009628	-1.52945
UFL1	-1.08512	0.198678	-3.54595	0.002044	0.009634	-1.53028
SCGB1C1	1.398027	-0.24307	3.545744	0.002045	0.009636	-1.53073
PTHLH	0.832734	-0.43109	3.545278	0.002047	0.009642	-1.53175
RFC3	0.843352	-0.32317	3.545191	0.002048	0.009642	-1.53194
COX3	1.064458	-0.57077	3.545191	0.002048	0.009642	-1.53194
RBM18	-0.61388	0.290984	-3.54464	0.00205	0.00965	-1.53316
C4orf32	-1.722	0.919628	-3.54441	0.002051	0.009651	-1.53366
MORF4L1	-0.90636	0.61103	-3.54438	0.002051	0.009651	-1.53373
ZC3H11A	-1.30704	0.923829	-3.54404	0.002053	0.009656	-1.53447
NAP1L4	-0.73054	0.559776	-3.54345	0.002056	0.009667	-1.53578
C6orf170	-1.17316	0.301841	-3.54701	0.002172	0.010072	-1.53596
FLJ45248	-1.01169	0.640495	-3.54304	0.002058	0.009674	-1.53668
AKR1B1	0.911292	-0.40251	3.542903	0.002058	0.009674	-1.53698
RUNX1T1	-0.43877	0.131004	-3.54106	0.002067	0.009711	-1.54103
WBP2	-1.34491	1.161925	-3.54083	0.002068	0.009713	-1.54153

PPDPF	1.157471	-0.66719	3.540784	0.002069	0.009713	-1.54164
LOC100501	0.821512	-0.15261	3.540362	0.002071	0.009719	-1.54257
PRDM6	0.810495	-0.32403	3.540286	0.002071	0.009719	-1.54273
POLR2J4	-1.04717	1.02131	-3.53996	0.002072	0.009724	-1.54344
LOC100128	-1.00742	0.861805	-3.5393	0.002076	0.009737	-1.54491
ANKRD33B	-1.41635	0.848297	-3.53908	0.002077	0.009739	-1.54539
ST6GALNA	1.394125	-0.29678	3.538944	0.002077	0.00974	-1.54568
PDE3A	1.350407	-0.23707	3.538342	0.00208	0.009749	-1.54701
KIAA0930	-2.01994	0.978219	-3.53832	0.00208	0.009749	-1.54706
C19orf70	0.860953	-0.71447	3.536697	0.002088	0.009784	-1.55062
TMEM38B	-0.77665	0.195667	-3.5359	0.002092	0.009798	-1.55237
LOC100130	-0.55093	0.022271	-3.53587	0.002092	0.009798	-1.55244
C5orf50	0.566065	-0.26388	3.535607	0.002093	0.009801	-1.55302
CYP26B1	2.225174	-0.92792	3.535117	0.002096	0.00981	-1.5541
EDEM1	-0.67947	0.136054	-3.53469	0.002098	0.009818	-1.55504
PLEKHM3	-0.86633	0.461397	-3.53455	0.002099	0.009818	-1.55534
DPEP1	0.826873	-0.35663	3.533757	0.002102	0.009833	-1.55709
SLC4A5	0.71042	-0.36366	3.533701	0.002103	0.009833	-1.55721
FCN3	0.931026	-0.41461	3.53221	0.00211	0.009858	-1.56049
LINC00113	-1.00263	0.200526	-3.5322	0.00211	0.009858	-1.5605
C7orf25	-1.26264	0.932473	-3.53085	0.002117	0.009884	-1.56349
CREB3L2	-0.98201	0.605927	-3.5307	0.002117	0.009885	-1.5638
PTPN4	0.843926	-0.31817	3.529559	0.002123	0.009909	-1.56631
METTL6	-0.76071	0.283382	-3.52922	0.002125	0.009914	-1.56706
SLC9A3R2	0.921274	-0.24876	3.528683	0.002127	0.009924	-1.56824
MGC16025	0.807629	-0.33349	3.52855	0.002128	0.009924	-1.56853
SH2D2A	1.078441	-0.36157	3.528462	0.002128	0.009924	-1.56873
SEMA5A	-1.20306	0.101177	-3.52764	0.002132	0.009939	-1.57052
LTBP1	0.744355	-0.18808	3.527602	0.002133	0.009939	-1.57061
ZKSCAN5	-0.8698	0.672012	-3.5269	0.002136	0.009952	-1.57216
FUT9	0.716701	-0.18926	3.526865	0.002136	0.009952	-1.57223
LINC00085	-1.15818	0.646216	-3.52642	0.002138	0.009959	-1.57322
FDPS	-0.53511	0.224185	-3.52607	0.00214	0.009965	-1.57398
SEC14L1	1.022322	-0.48749	3.525884	0.002141	0.009965	-1.57439
KLHL33	1.294485	-0.49319	3.525868	0.002141	0.009965	-1.57442
C1orf122	-0.83673	0.460756	-3.52539	0.002143	0.009974	-1.57548
LOC55420	0.896471	-0.32055	3.524323	0.002149	0.009996	-1.57782
ICAM2	1.274157	-0.35422	3.523918	0.002151	0.010003	-1.57871
SSTR3	0.734949	-0.46358	3.522844	0.002156	0.010025	-1.58107
DVL3	-0.8337	0.659746	-3.52255	0.002158	0.01003	-1.58172
LPHN1	1.134827	-0.57085	3.52181	0.002161	0.010045	-1.58334
ANKRD2	0.521328	-0.3017	3.521261	0.002164	0.010055	-1.58455
GCK	0.811664	-0.51479	3.524345	0.002286	0.010481	-1.58469
TMEM69	-0.42453	-0.01837	-3.52103	0.002165	0.010057	-1.58506
SNRPD1	-1.22527	1.046194	-3.52097	0.002165	0.010057	-1.58518
WNT10B	0.73176	-0.35125	3.520824	0.002166	0.010057	-1.5855
ATP6V0A2	-0.55312	0.207548	-3.52077	0.002166	0.010057	-1.58562

SNX6	-1.06572	0.380103	-3.52023	0.002169	0.010067	-1.5868
CHD9	-0.9569	0.574527	-3.52001	0.00217	0.01007	-1.5873
KTN1	-1.01812	0.183232	-3.51987	0.002171	0.010071	-1.5876
CYP2E1	0.789077	-0.36494	3.51939	0.002173	0.010077	-1.58865
LRRK1	-0.57656	0.452639	-3.51925	0.002174	0.010078	-1.58897
GBP2	-1.5768	0.946465	-3.51794	0.002181	0.010106	-1.59184
NIP7	-0.67529	0.51868	-3.51736	0.002184	0.010117	-1.59311
PPIP5K2	-1.1114	-0.00679	-3.51703	0.002185	0.01012	-1.59384
EMB	-1.10533	0.113174	-3.51701	0.002185	0.01012	-1.59387
ATG10	-1.31332	0.692698	-3.53314	0.002241	0.010318	-1.5943
BRP44L	-0.53515	-0.04124	-3.51628	0.002189	0.010134	-1.59549
IBA57	0.647437	-0.21384	3.516205	0.002189	0.010134	-1.59565
LOC100506	-0.83256	0.670759	-3.51612	0.00219	0.010134	-1.59583
CENPE	-0.97069	0.346242	-3.516	0.00219	0.010135	-1.59611
INSL6	0.659869	-0.29816	3.515071	0.002195	0.010154	-1.59814
TIPIN	-1.22056	0.568955	-3.51411	0.0022	0.010174	-1.60026
MASP2	0.803931	-0.45701	3.513898	0.002201	0.010177	-1.60071
PALMD	0.728749	-0.54659	3.513784	0.002202	0.010177	-1.60097
SGPL1	-0.65099	0.387115	-3.5135	0.002203	0.010181	-1.60159
PCDHGA8	0.689274	-0.53367	3.512721	0.002207	0.010194	-1.6033
GIN1	-1.37776	-0.03572	-3.51568	0.002332	0.010647	-1.60331
LOC100133	-1.0333	0.211196	-3.51261	0.002208	0.010194	-1.60354
RBMS1	-1.28198	0.560146	-3.51255	0.002208	0.010194	-1.60368
SMOC1	0.688462	-0.46523	3.512287	0.002209	0.010196	-1.60425
CDC42BPB	0.656056	-0.26043	3.512247	0.00221	0.010196	-1.60434
MATN4	0.641748	-0.44145	3.51216	0.00221	0.010196	-1.60453
RGN	0.956163	-0.35473	3.514243	0.002339	0.010672	-1.60639
RNF17	-1.1481	0.207929	-3.53262	0.002401	0.010891	-1.60705
FLRT2	-1.11511	0.257873	-3.51366	0.002342	0.010676	-1.60763
LCT	0.590787	-0.50531	3.510536	0.002218	0.010232	-1.6081
DSG1	1.877456	-0.27473	3.513113	0.002345	0.010684	-1.60881
CDCA2	-1.54652	1.313229	-3.50922	0.002225	0.010261	-1.61098
ARF1	-0.83496	0.844572	-3.5087	0.002228	0.010271	-1.61212
COPS8	-0.73629	0.188012	-3.50798	0.002231	0.010285	-1.61371
HOPX	0.922113	-0.69249	3.507389	0.002234	0.010297	-1.615
DENR	-1.08168	0.852884	-3.50729	0.002235	0.010297	-1.61522
GABRQ	0.746374	-0.18853	3.507116	0.002236	0.010299	-1.6156
LOC100505	0.511627	-0.45764	3.506211	0.002241	0.010318	-1.61759
NPY	0.476132	-0.49461	3.505885	0.002242	0.010321	-1.6183
ZDHHC19	0.868524	-0.37627	3.505598	0.002244	0.010323	-1.61893
KIAA0125	-0.8986	0.805828	-3.50557	0.002244	0.010323	-1.619
GNMT	-0.7724	0.472911	-3.50531	0.002245	0.010327	-1.61957
FEV	0.615178	-0.35924	3.504458	0.00225	0.010345	-1.62144
C3AR1	-1.50451	0.720919	-3.50421	0.002251	0.010348	-1.62198
LIPE	0.892491	-0.39988	3.50413	0.002251	0.010348	-1.62216
CTBP2	-1.04088	0.917323	-3.50255	0.00226	0.010383	-1.62562
TFAP2A	-0.77901	0.182792	-3.50163	0.002264	0.010402	-1.62764

SMAD6	0.595604	-0.1345	3.50158	0.002265	0.010402	-1.62775
INTS5	-0.73356	0.757619	-3.50119	0.002267	0.010409	-1.62862
PEX14	-0.60922	0.567276	-3.50031	0.002271	0.010424	-1.63054
HPRT1	-0.83209	0.334273	-3.50029	0.002271	0.010424	-1.63058
LOC100125	0.571706	-0.35726	3.500253	0.002272	0.010424	-1.63066
FLJ35424	-1.11326	0.240733	-3.51621	0.002329	0.010636	-1.6308
TMEM132I	-0.9933	0.252465	-3.53375	0.002395	0.010871	-1.63114
COL4A4	-0.75696	-0.02938	-3.52111	0.002463	0.011082	-1.63126
PRDM15	0.745923	-0.30713	3.499781	0.002274	0.010433	-1.6317
FCHSD2	-1.00233	0.708462	-3.49846	0.002281	0.010462	-1.6346
METTTL21D	-1.16169	0.51199	-3.49791	0.002284	0.010473	-1.6358
CCDC166	0.664435	-0.50861	3.497397	0.002287	0.010481	-1.63693
ATP11C	-1.19039	0.39921	-3.49692	0.002289	0.01049	-1.63797
C8orf83	-1.1799	0.341959	-3.51136	0.002354	0.010714	-1.64124
ANKRD62	-0.89761	0.143323	-3.51104	0.002356	0.010716	-1.64192
ARL10	0.789232	-0.29633	3.559519	0.002643	0.011657	-1.64202
FABP5	-0.88637	0.543399	-3.49443	0.002302	0.010545	-1.64344
DNMT3A	-0.69843	0.564653	-3.49411	0.002304	0.010549	-1.64414
ABLM1	1.554145	-0.92846	3.493994	0.002305	0.010549	-1.64439
CLCNKB	0.727287	-0.52132	3.493974	0.002305	0.010549	-1.64444
GNG10	-1.63507	0.040298	-3.49374	0.002306	0.010552	-1.64494
TNFSF13B	-1.3606	0.602483	-3.49354	0.002307	0.010555	-1.64539
ABCB11	-0.64345	0.241655	-3.49303	0.00231	0.010565	-1.6465
ADAP1	-0.85674	0.760541	-3.49269	0.002312	0.01057	-1.64726
C1orf174	0.565938	-0.53019	3.492471	0.002313	0.010571	-1.64773
C12orf11	-1.06743	0.568204	-3.49246	0.002313	0.010571	-1.64774
SHCBP1L	1.157825	-0.36141	3.496148	0.002602	0.011536	-1.64958
MYH14	0.682831	-0.53353	3.491365	0.002319	0.010595	-1.65016
LOC100505	1.094887	-0.30881	3.493555	0.002451	0.011055	-1.65079
AHNAK	1.024456	-0.48675	3.490591	0.002323	0.010612	-1.65185
LOC100125	1.31734	-1.07594	3.49522	0.0028	0.0121	-1.65437
LOC100505	-0.87791	0.591918	-3.48887	0.002332	0.010647	-1.65562
C2orf51	0.66409	-0.59381	3.488376	0.002335	0.010656	-1.65671
ADD1	-0.74543	0.574319	-3.48752	0.002339	0.010672	-1.65859
MGAM	-1.94079	1.067498	-3.48732	0.00234	0.010675	-1.65902
RPL10L	1.0753	-0.7687	3.486986	0.002342	0.010676	-1.65976
C17orf70	-0.70927	0.729647	-3.48696	0.002342	0.010676	-1.6598
OTOP2	1.018354	-0.35832	3.485642	0.00235	0.010701	-1.6627
ZNF845	-1.22873	0.255051	-3.48551	0.00235	0.010702	-1.663
LRRC48	0.648366	-0.11276	3.485242	0.002352	0.010706	-1.66358
EFHB	-1.11006	0.179112	-3.48475	0.002354	0.010714	-1.66465
SLC10A4	-1.02049	0.119207	-3.48452	0.002356	0.010716	-1.66516
MID2	0.774622	-0.52414	3.626282	0.003122	0.013135	-1.66605
PIK3R5	-0.92424	0.882693	-3.48214	0.002369	0.010771	-1.67037
BTBD3	-1.44769	0.790803	-3.48198	0.00237	0.010771	-1.67074
CCDC159	-0.91453	0.648964	-3.48192	0.00237	0.010771	-1.67086
PTCRA	1.3586	-0.35594	3.480964	0.002375	0.010792	-1.67295

LOC100501	0.970523	-0.82735	3.496415	0.002435	0.011021	-1.67342
CASR	1.456645	-0.63102	3.48257	0.002513	0.011241	-1.67434
PLA2G16	0.853283	-0.25908	3.480144	0.00238	0.01081	-1.67475
LOC100130	0.730373	-0.38532	3.479326	0.002384	0.010828	-1.67654
C11orf74	1.932731	-0.37124	3.508289	0.002944	0.012565	-1.67693
ASB4	0.827361	-0.58536	3.477882	0.002392	0.010862	-1.67971
SS18	-0.92273	0.165947	-3.4768	0.002398	0.010882	-1.68208
STAC2	0.692985	-0.3588	3.476763	0.002398	0.010882	-1.68216
CEP135	-0.9598	0.368439	-3.47546	0.002405	0.01091	-1.68501
KIAA1045	1.873747	-0.68435	3.507139	0.00254	0.011334	-1.68729
MRPS10	-0.81484	0.164582	-3.47412	0.002413	0.010941	-1.68796
IKBK	-0.51712	0.455713	-3.47398	0.002414	0.010942	-1.68826
CENPM	-1.15383	0.980193	-3.47383	0.002414	0.010944	-1.68858
ANXA2P1	-0.93335	0.77267	-3.47354	0.002416	0.010947	-1.68921
SIGIRR	0.852692	-0.1879	3.47349	0.002416	0.010947	-1.68933
TPTE	-0.88474	0.158918	-3.47266	0.002421	0.010966	-1.69114
C1orf52	-0.91181	0.574379	-3.47251	0.002422	0.010967	-1.69148
MYL4	0.674152	-0.36902	3.472376	0.002423	0.010968	-1.69177
MRPL42P5	-1.10145	0.545908	-3.48695	0.002488	0.011164	-1.69378
SLC23A2	-0.71582	0.477392	-3.4708	0.002431	0.011005	-1.69522
PEAR1	0.789236	-0.47213	3.469906	0.002436	0.011023	-1.69718
C1orf172	1.08751	-0.48713	3.485367	0.002497	0.011202	-1.69719
LACC1	0.727304	-0.27747	3.469578	0.002438	0.011029	-1.6979
RBMS3	-0.76588	0.185941	-3.48926	0.002642	0.011657	-1.69824
WASH1	-0.39252	0.227591	-3.46938	0.002439	0.011031	-1.69833
CLIC3	1.407725	-0.14485	3.468969	0.002442	0.011038	-1.69923
SNX15	-0.9214	0.780001	-3.46872	0.002443	0.011038	-1.69979
NUP50	-0.82137	0.517359	-3.46862	0.002444	0.011038	-1.7
MTNR1A	-0.74429	0.17593	-3.46848	0.002444	0.011038	-1.7003
GTF3C2	-0.68177	0.648541	-3.46848	0.002444	0.011038	-1.7003
UPB1	-1.03421	0.33146	-3.46842	0.002445	0.011038	-1.70042
MUDENG	-0.87405	0.093327	-3.46838	0.002445	0.011038	-1.70052
SPINK5	0.803239	-0.35813	3.468296	0.002445	0.011038	-1.7007
ZBTB39	0.90129	-0.23767	3.467895	0.002448	0.011046	-1.70158
TNIP3	-1.39619	0.656204	-3.46736	0.002451	0.011055	-1.70275
CCDC18	-1.53119	0.593156	-3.46723	0.002452	0.011055	-1.70305
MTHFS	-0.82684	0.282696	-3.46689	0.002453	0.011059	-1.70378
LOC100501	0.964134	-0.76863	3.466887	0.002453	0.011059	-1.70379
SF3A2	0.816083	-0.25876	3.466496	0.002456	0.011063	-1.70464
NUDT22	-0.55365	0.336824	-3.46649	0.002456	0.011063	-1.70466
TAP2	-0.91339	0.360795	-3.46639	0.002456	0.011063	-1.70488
TMEM175	0.599359	-0.37694	3.46629	0.002457	0.011063	-1.7051
GJC2	0.899859	-0.26586	3.466184	0.002457	0.011063	-1.70533
NXNL1	0.845842	-0.4453	3.466132	0.002458	0.011063	-1.70544
BRMS1	-0.49859	0.447054	-3.4651	0.002464	0.011084	-1.7077
LINC00307	0.770109	-0.38006	3.464071	0.002469	0.011108	-1.70995
TBC1D5	-0.72628	0.844307	-3.46366	0.002472	0.011116	-1.71084

LOC493754	-0.48172	0.217826	-3.46344	0.002473	0.011119	-1.71133
LOC100134	0.692961	-0.58676	3.46329	0.002474	0.01112	-1.71166
ADAM22	0.863271	-0.25412	3.463214	0.002474	0.01112	-1.71183
PLEKHA3	-1.04552	0.584227	-3.46252	0.002478	0.011133	-1.71335
SPP2	0.789768	-0.30376	3.462512	0.002478	0.011133	-1.71337
SFT2D3	-0.96349	0.451968	-3.46175	0.002483	0.01115	-1.71504
S1PR4	-0.5232	0.592582	-3.46146	0.002484	0.011154	-1.71566
DNAJC3	-1.1653	0.727649	-3.46123	0.002486	0.011158	-1.71617
C21orf56	1.022204	-0.21841	3.460965	0.002487	0.011162	-1.71675
JAKMIP1	1.543718	-0.39242	3.47947	0.0027	0.011815	-1.7188
SSX3	0.893546	-0.52033	3.459043	0.002498	0.011204	-1.72096
PARN	-0.95772	0.872044	-3.45872	0.0025	0.01121	-1.72167
PPY	0.69299	-0.31712	3.45832	0.002502	0.011218	-1.72254
C6orf168	-0.84131	0.220903	-3.47325	0.002567	0.011419	-1.72325
EHD2	1.071153	-0.27601	3.457306	0.002508	0.011241	-1.72476
ZNF638	-1.69135	0.999838	-3.47641	0.002719	0.011872	-1.72522
NDEL1	-0.90798	0.612806	-3.45701	0.00251	0.011241	-1.72541
VN1R1	-0.77342	0.088801	-3.45697	0.00251	0.011241	-1.72549
XYLT2	0.733849	-0.21868	3.456791	0.002511	0.011241	-1.72588
SCN4A	-0.69221	0.252852	-3.45672	0.002512	0.011241	-1.72603
LECT2	-0.79595	0.201351	-3.45665	0.002512	0.011241	-1.7262
TLR8	-1.96313	0.805948	-3.45648	0.002513	0.011241	-1.72657
MAP4K1	0.875001	-0.24198	3.456433	0.002513	0.011241	-1.72667
OSCAR	-1.4009	0.855713	-3.45643	0.002513	0.011241	-1.72668
DYNC2LI1	1.090236	-0.24808	3.455793	0.002517	0.011255	-1.72807
MYO10	-2.17998	1.46036	-3.4555	0.002519	0.01126	-1.72872
HRH1	1.23886	-0.39739	3.457059	0.002662	0.011706	-1.729
STK35	-1.21835	1.181237	-3.45518	0.002521	0.011266	-1.72941
ZNF274	-0.77819	0.482826	-3.45483	0.002523	0.011272	-1.73018
CENPBD1	-1.05444	0.835872	-3.45395	0.002528	0.011289	-1.7321
BEST2	1.001562	-0.30574	3.453889	0.002528	0.011289	-1.73223
SLC25A46	-0.94685	0.192616	-3.45387	0.002528	0.011289	-1.73228
ZNF208	-0.85963	-0.08965	-3.46876	0.002593	0.011504	-1.7329
SERTAD3	-0.76007	0.437293	-3.45354	0.00253	0.011295	-1.73299
TECR	0.644866	-0.1639	3.453319	0.002531	0.011299	-1.73348
LOC100283	0.825682	-0.16298	3.453386	0.002684	0.011777	-1.73686
SRGAP1	0.672862	-0.33876	3.451147	0.002544	0.01135	-1.73823
LOC100133	-1.76535	1.19915	-3.45046	0.002548	0.011363	-1.73973
ACTBL2	0.683695	-0.66625	3.450446	0.002548	0.011363	-1.73977
CCDC28A	-0.55408	0.14648	-3.45033	0.002549	0.011364	-1.74001
EPHX1	0.983798	-0.05152	3.450051	0.002551	0.011368	-1.74063
DHFR	-2.53877	1.412113	-3.44966	0.002553	0.011376	-1.74148
CORO2A	-1.13608	0.502759	-3.44922	0.002555	0.011385	-1.74244
SLA	-0.94618	0.481746	-3.44863	0.002559	0.011398	-1.74374
DBR1	-0.77856	0.430252	-3.44823	0.002561	0.011406	-1.74461
ATP5J	-0.68168	0.212711	-3.44794	0.002563	0.011409	-1.74524
PHF1	0.48294	-0.26426	3.44792	0.002563	0.011409	-1.74529

GJB5	-0.83611	0.049837	-3.44747	0.002566	0.011418	-1.74628
LOC10065:	-1.56469	0.943579	-3.44723	0.002567	0.011419	-1.74679
SYT1	-0.6742	0.103348	-3.46224	0.002631	0.011633	-1.74691
GPX4	0.848491	-0.28938	3.446655	0.002571	0.011432	-1.74805
CELA2A	0.820936	-0.51185	3.446345	0.002572	0.011437	-1.74873
C15orf56	-0.79223	0.138778	-3.44611	0.002574	0.011441	-1.74924
ZC3H15	-0.91943	0.272011	-3.4457	0.002576	0.011446	-1.75015
GYPC	1.701368	-0.77642	3.445636	0.002577	0.011446	-1.75028
C19orf60	0.762449	-0.48534	3.445458	0.002578	0.011448	-1.75067
C1QTNF5	0.588479	-0.32568	3.445355	0.002578	0.011448	-1.7509
CCPG1	-0.64253	0.095419	-3.44525	0.002579	0.011448	-1.75113
SCAND2	-0.42452	0.188476	-3.44318	0.002591	0.0115	-1.75565
ALDH1A1	1.351934	-0.5201	3.442194	0.002597	0.011521	-1.75781
UVRAG	-0.81789	0.560124	-3.44192	0.002599	0.011526	-1.7584
RP2	-1.36864	0.842798	-3.44164	0.0026	0.011531	-1.75902
RNF138	-1.09743	0.272965	-3.44125	0.002603	0.011536	-1.75986
BCHE	0.63191	-0.50125	3.440993	0.002604	0.01154	-1.76043
RUNX3	1.075704	-0.39172	3.44077	0.002606	0.011543	-1.76092
DOCK5	-1.38595	1.048238	-3.44043	0.002608	0.01155	-1.76167
C22orf37	-1.09725	0.727463	-3.44013	0.00261	0.011555	-1.76232
SCAMP2	-0.61533	0.536854	-3.43998	0.00261	0.011557	-1.76265
CEACAM4	-1.26924	0.75751	-3.43908	0.002616	0.011578	-1.76462
PRSS8	0.555155	-0.43649	3.438307	0.002621	0.011596	-1.7663
KPNA6	-0.7388	0.650971	-3.43759	0.002625	0.011613	-1.76788
SUPT16H	-0.60701	0.411192	-3.43696	0.002629	0.011627	-1.76925
DYSF	-1.18659	0.932107	-3.43653	0.002631	0.011633	-1.7702
ZBTB32	-0.8879	1.244061	-3.43642	0.002632	0.011633	-1.77042
TLE1	-0.98053	0.884417	-3.43604	0.002634	0.011641	-1.77127
PGAM1	-0.56973	0.374439	-3.43594	0.002635	0.011641	-1.77147
SULT1B1	-2.16466	1.028421	-3.43503	0.00264	0.011657	-1.77347
GNB3	0.467491	-0.15944	3.434996	0.002641	0.011657	-1.77354
MYO18A	-0.7612	0.792296	-3.43483	0.002642	0.011657	-1.7739
LINC00402	1.26492	-0.84668	3.436013	0.002792	0.012094	-1.77403
SSH1	-1.37726	1.412949	-3.43457	0.002643	0.011657	-1.77447
DMRTA1	0.87451	-0.27288	3.434198	0.002645	0.011664	-1.77528
PHLDA3	0.852767	-0.52748	3.43409	0.002646	0.011664	-1.77552
IKBKB	-0.6109	0.523104	-3.43388	0.002647	0.011667	-1.77597
ABCC11	-0.58406	0.088835	-3.4338	0.002648	0.011667	-1.77616
PKMYT1	-0.91826	0.783181	-3.43333	0.002651	0.011676	-1.77718
CACNB4	0.869211	-0.5056	3.433274	0.002651	0.011676	-1.7773
SRP14	-0.79213	0.265448	-3.43303	0.002653	0.01168	-1.77782
DNAH17	-1.70367	1.10491	-3.43266	0.002655	0.011687	-1.77864
CCDC43	-0.70469	0.463479	-3.43224	0.002657	0.011694	-1.77956
COX7B	0.669398	-0.41813	3.432193	0.002658	0.011694	-1.77966
BAZ2A	-0.87367	0.680529	-3.43207	0.002658	0.011695	-1.77992
ALKBH8	0.809709	-0.63096	3.43174	0.00266	0.011701	-1.78065
LYRM2	-0.64733	0.259752	-3.4313	0.002663	0.011708	-1.78162

SCYL3	-0.83332	0.425899	-3.43112	0.002664	0.01171	-1.78201
C14orf129	-1.1951	-0.2025	-3.43089	0.002666	0.011714	-1.7825
ADIPOR1	1.200536	-0.5426	3.430653	0.002667	0.011718	-1.78302
KRTAP5-9	0.683896	-0.51278	3.429537	0.002674	0.011745	-1.78546
CSF3R	-1.20853	0.957617	-3.42878	0.002679	0.011761	-1.78713
MED26	-0.79532	0.531643	-3.42872	0.002679	0.011761	-1.78725
AXL	0.760036	-0.47081	3.428552	0.00268	0.011761	-1.78761
OR4F4	-1.20239	0.206053	-3.42854	0.00268	0.011761	-1.78764
CDHR2	0.912862	-0.83041	3.427116	0.002689	0.011792	-1.79075
DPYSL5	-0.93477	0.12586	-3.42708	0.002689	0.011792	-1.79083
LOC100509	0.487159	-0.49747	3.426987	0.00269	0.011792	-1.79103
TBL2	-0.5697	0.389201	-3.42693	0.00269	0.011792	-1.79115
TSPAN2	-1.26242	0.750587	-3.42674	0.002691	0.011792	-1.79157
STAG2	-1.16025	0.36401	-3.42673	0.002691	0.011792	-1.7916
PRDX3	-1.03347	0.113192	-3.42647	0.002693	0.011797	-1.79216
LBH	1.458791	-0.6583	3.426315	0.002694	0.011798	-1.7925
TUBE1	-0.86399	0.039105	-3.42616	0.002695	0.0118	-1.79284
RECQL5	-1.64721	0.653445	-3.42583	0.002697	0.011806	-1.79356
GRM3	-0.66835	0.24578	-3.4253	0.0027	0.011815	-1.79471
DALRD3	-0.56771	0.357252	-3.42496	0.002702	0.011821	-1.79546
UTP20	0.713775	-0.19447	3.424812	0.002703	0.011821	-1.79578
ASPHD2	-0.99467	0.666989	-3.42478	0.002703	0.011821	-1.79585
TROVE2	-0.8185	0.514126	-3.4241	0.002708	0.011837	-1.79734
CPSF7	-0.79113	0.669938	-3.42385	0.002709	0.011841	-1.79787
PLA2G5	0.824695	-0.55405	3.423534	0.002711	0.011847	-1.79857
SASH3	-0.74022	0.69707	-3.42333	0.002713	0.01185	-1.79902
DOT1L	-0.81971	0.659006	-3.42308	0.002714	0.011854	-1.79956
AGXT2L2	-0.49784	0.305643	-3.42212	0.00272	0.011875	-1.80165
ART1	0.998759	-0.39384	3.436546	0.002788	0.012084	-1.80206
MORC1	0.557492	-0.33421	3.421895	0.002721	0.011879	-1.80215
XPNPEP2	0.786799	-0.36682	3.421235	0.002726	0.011894	-1.80359
RGPD1	0.787836	-0.18283	3.451743	0.002871	0.012326	-1.80399
SAR1A	-0.6498	0.298917	-3.42064	0.002729	0.011908	-1.80489
UBE2D3	-0.74056	0.576406	-3.42022	0.002732	0.011917	-1.8058
SPP1	1.499423	-0.70826	3.434642	0.0028	0.0121	-1.80615
C9orf79	0.614709	-0.36324	3.419995	0.002733	0.01192	-1.8063
HGC6.3	0.755055	-0.55111	3.419891	0.002734	0.01192	-1.80652
PDE4C	0.51467	-0.17379	3.41974	0.002735	0.01192	-1.80685
SH2B2	-0.86801	1.049657	-3.41972	0.002735	0.01192	-1.8069
TCTE3	0.819642	-0.64252	3.419574	0.002736	0.01192	-1.80721
AKT1S1	-0.83897	1.199341	-3.41954	0.002736	0.01192	-1.8073
GATAD1	-0.66784	0.609711	-3.41942	0.002737	0.01192	-1.80756
C16orf3	0.772481	-0.68692	3.418215	0.002745	0.011951	-1.81018
PTPRM	1.026895	-0.32804	3.417705	0.002748	0.011962	-1.81129
PTGR1	-1.66532	0.902525	-3.41739	0.00275	0.011968	-1.81198
MSX2P1	1.13293	-0.67125	3.41606	0.002758	0.012002	-1.81488
HGD	1.450689	-0.603	3.415739	0.00276	0.012008	-1.81558

ERI2	-0.92915	0.364381	-3.41513	0.002764	0.012023	-1.81691
GALNS	-0.96789	0.769193	-3.41496	0.002765	0.012025	-1.81728
AIM2	-2.45684	1.970212	-3.41415	0.00277	0.012037	-1.81905
SNIP1	-0.78498	0.633987	-3.4141	0.002771	0.012037	-1.81915
CNOT8	-0.84166	0.26623	-3.41409	0.002771	0.012037	-1.81917
WNT6	0.788512	-0.21058	3.414087	0.002771	0.012037	-1.81919
CDH4	0.75984	-0.49936	3.414028	0.002771	0.012037	-1.81932
KRT76	0.731975	-0.37055	3.41376	0.002773	0.012041	-1.8199
LRFN2	0.815768	-0.36081	3.413705	0.002773	0.012041	-1.82002
AKNA	-0.98414	0.94745	-3.41341	0.002775	0.012046	-1.82066
STAU2	-0.81415	0.364809	-3.41269	0.00278	0.012062	-1.82224
IFT57	-1.26478	0.464728	-3.41263	0.00278	0.012062	-1.82236
B3GNTL1	-0.86759	0.522137	-3.41184	0.002785	0.012082	-1.82409
TARDBP	-0.81145	0.411285	-3.41152	0.002787	0.012084	-1.82479
PLXDC2	-1.22758	1.224016	-3.4115	0.002787	0.012084	-1.82483
TBC1D8	-2.59941	1.196108	-3.41134	0.002788	0.012084	-1.82518
LINC00506	1.024043	-0.30998	3.411297	0.002789	0.012084	-1.82528
CDKL2	0.527666	-0.13358	3.410707	0.002792	0.012095	-1.82656
XDH	-0.63377	0.069255	-3.41052	0.002794	0.012096	-1.82698
DPH5	-0.86147	0.392014	-3.4104	0.002794	0.012096	-1.82723
FOXP3	0.783206	-0.11587	3.410358	0.002795	0.012096	-1.82732
TMEM127	-0.99594	1.019254	-3.41022	0.002796	0.012096	-1.82762
C1orf94	-0.66862	0.240932	-3.41019	0.002796	0.012096	-1.82768
NFKB2	-0.77773	0.847834	-3.40994	0.002797	0.012098	-1.82823
CWC15	-0.80002	0.549923	-3.40983	0.002798	0.012098	-1.82848
FLJ90680	-0.82915	0.144369	-3.40981	0.002798	0.012098	-1.82851
RHOT2	-0.55824	0.44762	-3.40956	0.0028	0.0121	-1.82906
POLR3F	-0.66324	0.004948	-3.40915	0.002803	0.012106	-1.82996
NCOR1	-0.86832	0.543451	-3.40846	0.002807	0.012121	-1.83146
SCGB2A1	-1.01358	0.202716	-3.40839	0.002807	0.012121	-1.83161
IGSF11	-0.69603	0.289142	-3.40832	0.002808	0.012121	-1.83176
OR8K3	-0.8062	0.260909	-3.40822	0.002809	0.012121	-1.83198
SPIRE2	-0.47397	0.240737	-3.40728	0.002815	0.012143	-1.83403
MORC4	1.073926	-0.56559	3.40726	0.002815	0.012143	-1.83408
ARMC9	0.702046	-0.32886	3.407007	0.002816	0.012147	-1.83463
INTS6	-1.17286	1.04395	-3.40673	0.002818	0.012152	-1.83524
ST3GAL2	-0.9948	0.733315	-3.40641	0.00282	0.012158	-1.83592
GCAT	1.322549	-0.8104	3.405839	0.002824	0.012172	-1.83718
DPH3P1	-1.2245	0.62794	-3.40549	0.002826	0.012179	-1.83795
NPAS1	0.705746	-0.31638	3.404778	0.002831	0.012196	-1.83949
C1QB	-1.88423	1.568502	-3.40461	0.002832	0.012198	-1.83986
BANK1	-1.07937	0.609268	-3.40441	0.002833	0.012201	-1.84029
RCOR2	0.980322	-0.47989	3.404255	0.002834	0.012203	-1.84063
BLOC1S1	-0.99246	0.40398	-3.4038	0.002837	0.012213	-1.84161
CA10	-0.65706	0.209298	-3.40318	0.002841	0.012228	-1.84298
MOAP1	-0.66166	0.260226	-3.403	0.002842	0.01223	-1.84336
IL1B	-1.54714	0.859315	-3.40279	0.002844	0.012233	-1.84383

GSC2	0.80522	-0.2099	3.438223	0.003167	0.013275	-1.84387
INSL4	-0.90447	0.057215	-3.40249	0.002846	0.012239	-1.84449
EBF3	-1.00919	0.258768	-3.41633	0.002919	0.012484	-1.84541
PROM2	0.492858	-0.25551	3.401461	0.002853	0.012265	-1.84672
EPHA5	-1.37045	0.433527	-3.43125	0.003004	0.012765	-1.84708
DNAH12	0.939782	-0.25773	3.400957	0.002856	0.012277	-1.84782
HMGA2	0.659633	-0.19772	3.430773	0.003007	0.012771	-1.84808
MOK	0.528934	-0.10183	3.39978	0.002864	0.012307	-1.85039
DKFZP434I	-1.90952	0.555535	-3.3997	0.002864	0.012307	-1.85055
DCLK2	0.774969	-0.23469	3.399884	0.003029	0.012841	-1.8512
OR6W1P	0.767408	-0.53922	3.399354	0.002866	0.012314	-1.85131
SGSM2	-0.65138	0.662963	-3.39898	0.002869	0.012322	-1.85213
ELF4	-1.47069	1.480637	-3.39873	0.002871	0.012326	-1.85268
ZNF585A	-1.06627	0.721828	-3.39842	0.002873	0.012329	-1.85335
LOC100655	0.669864	-0.52617	3.398334	0.002873	0.012329	-1.85354
MIER1	-1.21956	0.603283	-3.39811	0.002875	0.012331	-1.85404
VDAC3	-0.57647	0.408745	-3.39808	0.002875	0.012331	-1.8541
NMUR2	1.040656	-0.32845	3.397417	0.002879	0.012347	-1.85554
DPYSL4	1.481557	-1.01593	3.431986	0.00321	0.013396	-1.85666
SCRT2	0.932359	-0.38971	3.396137	0.002888	0.012381	-1.85833
SAMD9L	-1.73571	1.016336	-3.39603	0.002888	0.012381	-1.85856
LOC100655	-0.80506	-0.03441	-3.39514	0.002894	0.012404	-1.86051
C1QTNF3	-1.26692	0.429403	-3.39458	0.002898	0.012417	-1.86172
RGP1	-1.21973	1.119228	-3.3943	0.0029	0.012422	-1.86232
DNAJC13	-0.97863	0.359559	-3.39405	0.002902	0.012427	-1.86288
C9orf24	0.624546	-0.16164	3.393765	0.002903	0.012432	-1.86349
UROC1	0.522142	-0.28052	3.393433	0.002906	0.012439	-1.86422
LLGL2	0.700102	-0.04499	3.393026	0.002908	0.012448	-1.8651
MEIS1	1.102884	-0.61967	3.392478	0.002912	0.012461	-1.8663
ABHD2	-1.19377	0.767455	-3.392	0.002915	0.012472	-1.86735
LINC00162	0.680259	-0.62996	3.405977	0.002988	0.012712	-1.86758
AP1M2	1.340074	-0.23134	3.391384	0.002919	0.012484	-1.86868
PLEKHF2	-0.97946	0.232889	-3.39121	0.002921	0.012486	-1.86906
SLC1A3	-2.34708	0.783644	-3.39105	0.002922	0.012488	-1.8694
SPDYE7P	-0.4522	0.200467	-3.39074	0.002924	0.012494	-1.87007
UBE2DNL	0.708539	-0.44368	3.390634	0.002924	0.012495	-1.87031
ATP6V1A	-1.03401	0.702703	-3.3902	0.002927	0.012505	-1.87126
UQCRFS1	-0.4955	0.013865	-3.39002	0.002929	0.012507	-1.87165
C19orf34	1.408501	-1.0379	3.408109	0.00338	0.013885	-1.87261
OR51E2	-0.37334	0.008809	-3.38954	0.002932	0.012518	-1.87269
MORC2-AS	0.893931	-0.69431	3.388793	0.002937	0.012537	-1.87432
RPS3	1.082882	-0.96527	3.387622	0.002945	0.012565	-1.87687
SLC36A4	-0.82331	-0.0621	-3.38755	0.002945	0.012565	-1.87703
ZNF131	-0.67293	0.16722	-3.3864	0.002953	0.012595	-1.87954
LOC1	0.558406	-0.20372	3.385964	0.002956	0.012605	-1.88048
OK/SW-CL	-0.86489	0.175724	-3.38562	0.002958	0.012612	-1.88124
NPPA	1.532138	-0.90252	3.401689	0.003207	0.013386	-1.88184

PYGL	-1.70551	1.196981	-3.38506	0.002962	0.012626	-1.88245
C3orf51	0.717598	-0.39763	3.384726	0.002964	0.012633	-1.88318
LOC100501	0.545549	-0.35641	3.38408	0.002969	0.012647	-1.88459
TBP	-0.41059	0.28202	-3.38402	0.002969	0.012647	-1.88472
LOC100128	-1.10613	0.913577	-3.38395	0.00297	0.012647	-1.88487
C1orf210	0.827975	-0.89444	3.397865	0.003043	0.012885	-1.88494
BAG6	0.937648	-0.36393	3.38363	0.002972	0.012654	-1.88557
C9orf125	0.999901	-0.73023	3.417358	0.003313	0.013701	-1.88663
LOC100506	-0.93306	-0.15315	-3.38292	0.003147	0.013216	-1.88736
MAF	0.744975	-0.3511	3.382713	0.002978	0.012678	-1.88756
RARRES3	1.139621	-0.85058	3.382017	0.002983	0.012695	-1.88908
STX3	-1.29027	0.856958	-3.39558	0.003059	0.012947	-1.88984
LOC100501	-0.58701	0.311529	-3.3808	0.002991	0.012725	-1.89172
LINC00473	-0.66139	0.112342	-3.3795	0.003	0.01276	-1.89456
ATCAY	0.828862	-0.45301	3.379172	0.003003	0.012765	-1.89527
FAM111A	-1.16538	0.72822	-3.37916	0.003003	0.012765	-1.8953
GZMA	1.779425	-1.4627	3.378912	0.003004	0.012765	-1.89584
ITGA2	0.861718	-0.29208	3.378886	0.003004	0.012765	-1.89589
ALPK1	-1.43463	0.869395	-3.37848	0.003007	0.012771	-1.89678
TEX13B	0.551387	-0.44668	3.392152	0.003082	0.01303	-1.89716
NDUFB6	-0.65639	0.516534	-3.37826	0.003009	0.012775	-1.89725
GOLT1A	0.682629	-0.30338	3.377862	0.003012	0.012784	-1.89812
NFE2L1	-0.59554	0.479641	-3.37727	0.003016	0.012798	-1.8994
EXTL1	0.563596	-0.28195	3.377032	0.003017	0.012802	-1.89993
CCNB2	-1.61662	1.079509	-3.37643	0.003021	0.012817	-1.90123
NID1	1.214989	-0.26322	3.376158	0.003023	0.012823	-1.90183
SLC5A3	0.933718	-0.13872	3.38979	0.003099	0.013071	-1.90222
TAGAP	-0.88951	0.86241	-3.37536	0.003029	0.012841	-1.90357
ARHGEF1	-0.71711	0.704481	-3.37427	0.003037	0.01287	-1.90594
ZMYM5	-1.26775	0.436445	-3.37401	0.003038	0.012875	-1.90649
PRKAR1A	-1.38231	0.827391	-3.37377	0.00304	0.012879	-1.90702
VAV1	-0.62452	0.430737	-3.37357	0.003041	0.012882	-1.90746
MYO19	-0.65366	0.508315	-3.37252	0.003049	0.012908	-1.90974
TNFAIP1	-0.33253	0.150049	-3.37103	0.003059	0.012947	-1.91299
BEX5	0.899858	-0.33125	3.370356	0.003064	0.012964	-1.91445
PFKFB3	-1.63084	1.097711	-3.36913	0.003073	0.012998	-1.91712
FBXL20	-1.15844	0.877823	-3.36865	0.003076	0.013009	-1.91816
SLITRK2	1.029571	-0.50902	3.367838	0.003256	0.013536	-1.9195
GATA5	0.842907	-0.22225	3.368032	0.00308	0.013025	-1.9195
CAMKMT	1.150376	-0.39849	3.412795	0.003346	0.01379	-1.92072
USP19	-0.71364	0.751271	-3.36728	0.003086	0.013042	-1.92115
FAM13A-A	-0.83462	0.53205	-3.36698	0.003088	0.013048	-1.92179
RNF14	-0.4705	0.109692	-3.36639	0.003092	0.013063	-1.92307
C20orf106	-0.94255	0.938927	-3.36624	0.003093	0.013064	-1.92341
TCP11L1	-0.61559	0.52156	-3.3661	0.003094	0.013066	-1.92371
ALDOB	0.820327	-0.38418	3.365844	0.003096	0.013071	-1.92426
CLN3	-0.65851	0.594182	-3.36568	0.003097	0.013071	-1.92462

ZNF615	-1.71745	0.732068	-3.36563	0.003097	0.013071	-1.92472
SDSL	1.111748	-0.32577	3.365393	0.003099	0.013071	-1.92524
PTMS	0.902299	-0.37969	3.365164	0.003101	0.013071	-1.92574
ZNF695	-0.85122	0.114699	-3.36512	0.003101	0.013071	-1.92583
LOC80054	0.517085	-0.10152	3.365106	0.003101	0.013071	-1.92587
NELF	-1.01696	1.202934	-3.36507	0.003101	0.013071	-1.92594
GAL3ST2	0.906715	-0.36032	3.364893	0.003103	0.013071	-1.92633
SHCBP1	-1.69303	1.135306	-3.36489	0.003103	0.013071	-1.92634
TMEM62	-0.65553	0.242296	-3.3647	0.003104	0.013074	-1.92676
FLJ11710	0.615758	-0.67692	3.364508	0.003105	0.013077	-1.92717
CD27	1.412253	-0.38834	3.364226	0.003107	0.013083	-1.92778
PHOX2B	1.165413	-0.26683	3.363894	0.003285	0.01362	-1.9279
NFKBIA	-1.02436	0.391519	-3.36337	0.003114	0.013106	-1.92964
SLC25A24	-1.27062	0.442421	-3.36287	0.003117	0.013116	-1.93073
BTBD7	-1.06721	0.553157	-3.36283	0.003117	0.013116	-1.93082
SH3KBP1	-0.67586	0.674796	-3.3618	0.003125	0.01314	-1.93304
CYB5R1	-0.76048	0.290961	-3.36175	0.003125	0.01314	-1.93317
GBE1	-0.84141	0.281522	-3.3612	0.003129	0.013154	-1.93436
MTMR6	-1.15197	0.400179	-3.36097	0.003131	0.013158	-1.93485
CAPSL	0.621979	-0.15685	3.359174	0.003522	0.014305	-1.93521
BCL10	-0.9108	0.607843	-3.36012	0.003137	0.01318	-1.93671
OTX1	0.626502	-0.35018	3.360073	0.003137	0.01318	-1.93681
ITGA9	-0.99436	0.148215	-3.35936	0.003142	0.013198	-1.93835
TMEM33	-1.21736	0.570851	-3.35843	0.003149	0.01322	-1.94038
LAMTOR1	-0.50095	0.220209	-3.35837	0.003149	0.01322	-1.94051
RHOXF1	1.649525	-0.42319	3.447305	0.004905	0.018292	-1.94154
SLC43A3	-1.65943	1.149182	-3.35761	0.003155	0.01324	-1.94215
LOC100129	0.590389	-0.4358	3.357275	0.003157	0.013248	-1.94289
NBPF1	-0.6106	0.42779	-3.35706	0.003159	0.013251	-1.94335
WHSC1L1	-0.59475	0.803938	-3.35671	0.003161	0.013259	-1.94411
XPO6	-0.9852	0.871879	-3.35655	0.003163	0.013261	-1.94445
TOR3A	-1.03206	0.664167	-3.35628	0.003165	0.013267	-1.94505
MON1A	0.563922	-0.17449	3.35556	0.00317	0.013283	-1.94661
SNUPN	-0.62012	0.386758	-3.35507	0.003173	0.013295	-1.94769
C18orf25	-0.98799	0.950161	-3.35488	0.003175	0.013298	-1.9481
EDNRB	-1.13468	0.446379	-3.35427	0.003179	0.013314	-1.94942
OR7E156P	-0.78877	0.390837	-3.35416	0.00318	0.013314	-1.94965
PDZD4	0.51745	-0.33893	3.354078	0.003181	0.013314	-1.94983
LSM2	-0.63982	0.324077	-3.35354	0.003185	0.013327	-1.951
PEAK1	-0.86517	0.17529	-3.35347	0.003185	0.013327	-1.95116
ARHGAP15	-0.85046	0.42744	-3.35321	0.003187	0.013332	-1.95171
HPCAL4	0.713198	-0.19586	3.366233	0.003268	0.013574	-1.95257
MACF1	-1.12704	0.579663	-3.35255	0.003192	0.013349	-1.95316
KCTD18	-0.66234	0.163994	-3.35221	0.003194	0.013357	-1.95389
GAB3	-0.88683	0.429247	-3.352	0.003196	0.013359	-1.95434
C9orf9	-0.89533	0.834825	-3.35185	0.003197	0.013359	-1.95468
KCNE1L	-1.33673	1.138612	-3.35184	0.003197	0.013359	-1.95469

ATP8A1	-1.05815	0.722889	-3.35149	0.0032	0.013366	-1.95546
ATP2A3	-1.14484	1.085728	-3.35141	0.0032	0.013366	-1.95563
RNF182	2.558035	-1.62363	3.350817	0.003383	0.013894	-1.95572
AGA	-0.61778	0.394454	-3.35136	0.003201	0.013366	-1.95574
HUS1	-0.72384	0.493634	-3.35056	0.003206	0.013386	-1.95748
OGFOD1	-0.77133	0.78664	-3.35	0.003211	0.013396	-1.9587
GOLGA8E	0.926073	-0.12189	3.349848	0.003212	0.013398	-1.95902
C5orf35	-0.81423	-0.13965	-3.37784	0.00338	0.013885	-1.95918
C14orf109	-0.52374	0.200247	-3.34974	0.003212	0.013398	-1.95925
ZDHHC1	0.40883	-0.13145	3.349158	0.003217	0.013413	-1.96052
FAM149A	0.948452	-0.24501	3.348135	0.003404	0.013944	-1.96143
APOL2	-1.05615	0.878718	-3.34865	0.003221	0.013425	-1.96163
HDAC4	-1.16208	0.45063	-3.34857	0.003221	0.013425	-1.96181
SLC16A5	-0.90861	0.447644	-3.34849	0.003222	0.013425	-1.96197
F11R	0.918148	-0.37675	3.347983	0.003225	0.013438	-1.96307
WDR85	-0.69927	0.609049	-3.34781	0.003227	0.013441	-1.96344
EEPD1	-1.25452	0.31134	-3.3476	0.003228	0.013444	-1.9639
UBE2G1	-0.80157	0.531245	-3.34711	0.003232	0.013457	-1.96497
ASCL3	0.680637	-0.29535	3.359855	0.003315	0.013701	-1.96618
PRSS56	0.600166	-0.5223	3.345691	0.003242	0.013498	-1.96805
PLA2G4A	-1.10832	0.460866	-3.34525	0.003246	0.013508	-1.96901
WDR12	-0.71803	0.342021	-3.3451	0.003247	0.01351	-1.96932
ACSBG2	0.488943	-0.24355	3.344533	0.003251	0.013525	-1.97056
SPATA18	0.702801	-0.44195	3.344386	0.003252	0.013527	-1.97088
DUSP13	-1.74649	1.005747	-3.34399	0.003255	0.013536	-1.97174
KCNJ6	0.361854	-0.0941	3.357018	0.003336	0.013771	-1.97224
LOC645166	-1.27032	1.124038	-3.34339	0.00326	0.013549	-1.97304
CT45A5	-1.08595	0.513161	-3.35664	0.003339	0.013775	-1.97305
NFRKB	-0.67912	0.602269	-3.34293	0.003263	0.01356	-1.97403
KLK4	0.704238	-0.35512	3.342517	0.003266	0.01357	-1.97494
LOC404266	0.58173	-0.37285	3.341843	0.003271	0.013582	-1.9764
FZD6	-0.8342	0.103044	-3.34184	0.003271	0.013582	-1.9764
OR2W1	-1.19332	0.278516	-3.34174	0.003272	0.013582	-1.97662
LDB3	0.761548	-0.48222	3.341691	0.003272	0.013582	-1.97673
NCOR2	0.711087	-0.18869	3.341235	0.003276	0.013593	-1.97772
IL2RB	1.419868	-0.48757	3.340867	0.003279	0.013601	-1.97852
TTC33	-1.07256	0.100676	-3.34079	0.003279	0.013601	-1.97868
PLK3	-0.88157	0.206946	-3.34008	0.003285	0.01362	-1.98023
E2F6	-0.69602	0.258891	-3.3398	0.003287	0.013623	-1.98083
C14orf132	0.967032	-0.83322	3.339462	0.003289	0.013631	-1.98157
TMPRSS2	0.738889	-0.55875	3.339267	0.003291	0.013633	-1.98199
TDRD7	-1.05393	0.571427	-3.33922	0.003291	0.013633	-1.98208
BCAS3	-0.71738	0.762683	-3.33902	0.003293	0.013636	-1.98253
PPP1R17	-1.44596	0.653341	-3.35204	0.003374	0.013876	-1.98287
GSK3B	-0.81393	0.727889	-3.33885	0.003294	0.013638	-1.9829
CLEC1B	-1.16796	0.793962	-3.33877	0.003294	0.013638	-1.98306
TLK1	-1.08208	0.559483	-3.35179	0.003376	0.013876	-1.9834

DEK	-0.95123	0.101261	-3.3382	0.003299	0.013653	-1.98431
COL4A6	-0.83762	0.181374	-3.33809	0.0033	0.013654	-1.98454
CD44	-1.03286	0.441209	-3.33727	0.003306	0.013677	-1.98632
ACVR2A	0.590852	-0.19035	3.336478	0.003312	0.013699	-1.98804
SLC9A10	0.941533	-0.39066	3.363739	0.003487	0.01419	-1.98871
PIGV	-0.62022	0.385094	-3.3361	0.003315	0.013701	-1.98885
TGM3	1.128959	-0.12057	3.33603	0.003315	0.013701	-1.98901
CXorf38	-1.11015	0.619719	-3.33588	0.003316	0.013703	-1.98934
OR2W3	1.803835	-0.63138	3.335796	0.003317	0.013703	-1.98952
KLF9	0.901641	-0.988	3.335485	0.003319	0.01371	-1.99019
SFSWAP	-0.50729	0.704978	-3.33462	0.003326	0.013733	-1.99207
NEK9	-1.5871	1.025483	-3.33455	0.003326	0.013733	-1.99222
DEGS1	-1.08764	0.578235	-3.3331	0.003338	0.013773	-1.99538
SNCB	0.760615	-0.36917	3.332868	0.003339	0.013775	-1.99587
TH	0.689377	-0.49824	3.332775	0.00334	0.013775	-1.99607
NPFF	-0.61661	0.64553	-3.33237	0.003343	0.013782	-1.99695
PLA2G2F	0.84631	-0.35785	3.332356	0.003343	0.013782	-1.99698
HIST1H2BI	-1.20303	0.892701	-3.33123	0.003352	0.013812	-1.99941
KCTD20	-0.67199	0.319118	-3.3309	0.003354	0.01382	-2.00014
C2orf66	-0.58044	0.128474	-3.34368	0.003438	0.014046	-2.0007
CARS2	-0.92882	0.754227	-3.33044	0.003358	0.013829	-2.00114
RALGPS1	-0.85752	0.603344	-3.33041	0.003358	0.013829	-2.00121
WDSUB1	-0.84648	0.224221	-3.32998	0.003361	0.01384	-2.00214
KRCC1	-1.14829	0.28749	-3.3299	0.003362	0.01384	-2.00232
IWS1	-1.11316	1.015836	-3.32944	0.003366	0.013851	-2.0033
GUCA2B	1.079274	-0.30467	3.327895	0.003562	0.014418	-2.00444
ELMOD2	-1.07	0.023417	-3.3289	0.00337	0.013866	-2.00448
ARIH1	-0.78704	0.465796	-3.32877	0.003371	0.013867	-2.00476
LCE3E	0.517544	-0.47821	3.328177	0.003375	0.013876	-2.00604
SNX12	-0.68225	0.477305	-3.32811	0.003376	0.013876	-2.00618
SFTPA1	0.959105	-0.23334	3.327543	0.00338	0.013885	-2.00742
MAPRE1	-0.94278	0.623594	-3.32688	0.003385	0.013898	-2.00886
FMO1	-0.71373	0.423251	-3.32682	0.003386	0.013898	-2.00899
DLGAP5	-1.73087	1.1945	-3.32673	0.003387	0.013898	-2.00918
ARF5	-0.62006	0.168665	-3.32669	0.003387	0.013898	-2.00927
NPC2	0.7276	-0.59166	3.326605	0.003388	0.013898	-2.00945
SEMA3F	0.45638	-0.28791	3.326342	0.00339	0.013903	-2.01002
C6orf1	-0.52239	0.375461	-3.3257	0.003395	0.013921	-2.01141
YIPF1	-0.87114	0.45281	-3.3254	0.003397	0.013926	-2.01205
HSP90AA1	-1.39638	0.92703	-3.32535	0.003397	0.013926	-2.01217
CREBZF	-0.96951	0.172188	-3.3378	0.003484	0.014179	-2.01322
E2F2	1.287239	-1.11358	3.324751	0.003402	0.013942	-2.01347
FKBP8	1.354459	-0.29448	3.324531	0.003404	0.013944	-2.01395
ARV1	-0.87773	0.290603	-3.32428	0.003406	0.013949	-2.01449
HTR2B	0.814601	-0.08531	3.322338	0.003607	0.014532	-2.01624
PLTP	0.886764	-0.22198	3.32313	0.003415	0.013983	-2.01698
IQSEC1	-0.87958	0.615352	-3.32277	0.003417	0.013991	-2.01775

KIAA1715	-2.04327	0.717156	-3.32232	0.003421	0.014003	-2.01873
KLF1	1.605454	-0.39829	3.321969	0.003424	0.01401	-2.0195
ASPM	-1.48696	0.707843	-3.32191	0.003424	0.01401	-2.01963
SMG8	-0.49923	0.163076	-3.32178	0.003425	0.01401	-2.01992
HYLS1	-0.58092	0.546158	-3.32172	0.003426	0.01401	-2.02003
LOC100501	0.625167	-0.18918	3.334562	0.003509	0.014257	-2.02013
RNF20	-0.88627	0.699077	-3.32162	0.003426	0.014011	-2.02025
PHLPP2	1.022496	-0.41322	3.320421	0.003623	0.014569	-2.0203
SCN2A	0.991681	-0.27347	3.320144	0.003625	0.014572	-2.02089
RPS15	1.244055	-0.75455	3.321048	0.003431	0.014026	-2.02149
CYR61	-0.84808	0.261222	-3.32065	0.003434	0.014036	-2.02236
METTL14	-0.73705	0.086943	-3.32056	0.003435	0.014036	-2.02256
DISP1	0.844034	-0.39013	3.319917	0.00344	0.014051	-2.02394
FOSL1	-0.93559	0.419444	-3.3198	0.003441	0.014051	-2.02419
PTPRH	0.652655	-0.45801	3.333294	0.003729	0.014903	-2.02465
PIN4	-0.84955	0.107702	-3.31837	0.003639	0.014616	-2.02465
OPN1SW	0.586605	-0.36584	3.319004	0.003447	0.014074	-2.02592
DDAH2	-1.52311	1.110822	-3.31865	0.00345	0.014083	-2.02668
SAA3P	-1.33868	0.229854	-3.31829	0.003453	0.014092	-2.02748
RBM33	-0.97354	0.335483	-3.31809	0.003454	0.014095	-2.0279
NGB	0.762257	-0.3425	3.317254	0.003461	0.014119	-2.02971
UBTD1	-1.10695	0.951286	-3.31715	0.003462	0.01412	-2.02995
FRY	1.071265	-0.59241	3.316662	0.003466	0.014132	-2.031
FARP1	1.121316	-0.4491	3.316204	0.003469	0.014144	-2.03199
RNF216	-0.99111	0.915513	-3.31604	0.003471	0.014147	-2.03235
SPTAN1	0.956937	-0.37828	3.315797	0.003473	0.014151	-2.03287
RAB11A	-0.63916	0.28736	-3.3156	0.003474	0.014151	-2.03329
MCL1	-1.34782	0.786212	-3.31558	0.003474	0.014151	-2.03333
G6PD	-1.04045	0.843293	-3.31555	0.003474	0.014151	-2.0334
USP6	-0.66659	0.331803	-3.31523	0.003477	0.014158	-2.0341
NOXA1	0.811916	-0.39459	3.314405	0.003484	0.014179	-2.03588
CBR4	-0.86308	0.491498	-3.31284	0.003496	0.014224	-2.03926
RILPL1	-0.95577	0.831608	-3.31211	0.003502	0.014245	-2.04085
TRAPPC9	0.733988	-0.31275	3.311817	0.003504	0.014252	-2.04149
LPGAT1	-1.24887	0.592663	-3.31167	0.003506	0.014254	-2.04182
MPPE1	-0.62198	0.449217	-3.31143	0.003507	0.014257	-2.04233
KIAA2013	-0.54152	0.627305	-3.31137	0.003508	0.014257	-2.04245
INPP5J	0.418766	-0.3957	3.324024	0.003593	0.014499	-2.04258
KIAA1370	-0.87144	0.445319	-3.31125	0.003509	0.014257	-2.04272
MOS	0.9515	-0.5634	3.30953	0.003523	0.014305	-2.04644
IDH3A	-0.93738	0.612678	-3.30945	0.003523	0.014305	-2.04661
PI16	1.390008	-0.99141	3.309186	0.003526	0.014311	-2.04718
SWT1	-0.5856	0.1336	-3.30902	0.003527	0.014314	-2.04755
STAT5A	-0.51254	0.441354	-3.30891	0.003528	0.014314	-2.04777
FRAT1	-1.18585	1.184432	-3.30848	0.003531	0.014321	-2.04871
MSRB2	-0.95321	0.619183	-3.30844	0.003532	0.014321	-2.04881
ZNF93	-0.70712	0.248476	-3.30836	0.003532	0.014321	-2.04898

ETV6	-1.02151	0.891154	-3.30835	0.003532	0.014321	-2.04899
QSOX2	-0.77224	0.442071	-3.30811	0.003534	0.014326	-2.04952
SPATA20	0.780337	-0.13899	3.307927	0.003536	0.014329	-2.04991
IFNB1	0.755333	-0.43189	3.307646	0.003538	0.014335	-2.05052
C18orf8	-0.55347	0.206707	-3.3067	0.003546	0.014363	-2.05256
FGD5	1.12775	-0.32972	3.298052	0.004284	0.016526	-2.05338
KRT16P3	-0.90391	0.075392	-3.31828	0.00364	0.014616	-2.05482
PRKCD	-0.93895	0.676115	-3.30537	0.003556	0.014404	-2.05544
LOC100501	0.740915	-0.74384	3.305156	0.003558	0.014408	-2.05591
UBE2F	-0.70447	0.081277	-3.30482	0.003561	0.014416	-2.05664
ACCN1	0.563989	-0.30979	3.304278	0.003565	0.014428	-2.05781
LOC100501	-1.40515	0.617244	-3.3039	0.003568	0.014438	-2.05863
DDX56	-0.89313	0.908882	-3.30363	0.003571	0.014443	-2.05921
KRT72	1.245597	-0.42576	3.302751	0.003578	0.014469	-2.06111
ZNF625	-0.55833	0.198781	-3.30267	0.003578	0.014469	-2.06128
OTUD7A	0.761177	-0.38951	3.301968	0.003584	0.01448	-2.06281
RAB3GAP2	-1.38797	0.403428	-3.30192	0.003585	0.01448	-2.0629
KLF12	1.435227	-1.23462	3.301901	0.003585	0.01448	-2.06295
LOC100130	0.420058	-0.15019	3.301893	0.003585	0.01448	-2.06297
SPEF1	1.406747	-0.1719	3.30188	0.003585	0.01448	-2.063
ENPP2	-0.72856	0.202446	-3.30144	0.003589	0.014492	-2.06395
CPNE1	-0.72584	0.458856	-3.30126	0.00359	0.014495	-2.06434
DAZL	-1.08522	0.169622	-3.30118	0.003591	0.014495	-2.06451
PCDHB7	0.782837	-0.49011	3.30092	0.003593	0.014499	-2.06507
HAT1	-1.40854	0.083015	-3.30032	0.003598	0.014514	-2.06637
RBFOX2	0.755177	-0.24182	3.300023	0.0036	0.014521	-2.06701
TMEM120	-0.90555	0.399503	-3.29989	0.003601	0.014521	-2.0673
PCNXL3	-0.44878	0.576444	-3.29985	0.003602	0.014521	-2.06739
C3orf39	0.865724	-0.22269	3.299285	0.003606	0.014532	-2.06861
ATG14	0.97887	-0.32487	3.299274	0.003606	0.014532	-2.06863
DDX60L	-1.51373	0.865486	-3.29903	0.003608	0.014532	-2.06916
ACSL1	-1.56516	0.924694	-3.299	0.003609	0.014532	-2.06924
CLIP1	-0.875	0.360069	-3.29898	0.003609	0.014532	-2.06927
HNRNPUL1	-0.85985	0.877706	-3.29885	0.00361	0.014532	-2.06955
ERLEC1	-0.96803	0.20998	-3.29881	0.00361	0.014532	-2.06964
AP1AR	-0.86524	0.069148	-3.31097	0.0037	0.014812	-2.07037
MTF1	-2.27465	1.239483	-3.29809	0.003616	0.014552	-2.07119
ANKRD13C	-0.65092	0.719583	-3.29803	0.003617	0.014552	-2.07133
CAB39	-1.37962	0.514044	-3.29775	0.003619	0.014558	-2.07194
HIST1H2BM	-1.00424	0.790373	-3.29718	0.003624	0.014571	-2.07317
TMEM108	0.692703	-0.08987	3.296972	0.003626	0.014572	-2.07361
SSR4	0.682882	-0.38065	3.296131	0.003633	0.014597	-2.07543
EPN2	0.942181	-0.16928	3.295954	0.003634	0.0146	-2.07581
GLT25D2	0.526578	-0.15335	3.295202	0.00364	0.014616	-2.07744
COA5	-0.60736	0.060025	-3.29507	0.003641	0.014618	-2.07773
TWSG1	1.560892	-0.49606	3.306803	0.003953	0.015591	-2.07981
UMOD	0.749885	-0.51032	3.293866	0.003651	0.014655	-2.08033

SLC22A24	-0.83395	0.258532	-3.29325	0.003657	0.014671	-2.08167
C19orf33	0.991681	-0.54192	3.293202	0.003657	0.014671	-2.08177
MRPL36	-0.51363	0.258745	-3.29287	0.00366	0.014679	-2.08248
MYO1H	0.543148	-0.08397	3.292478	0.003663	0.01469	-2.08333
NUP62CL	1.046974	-0.49975	3.29046	0.003875	0.015373	-2.08383
CXXC1	-0.53664	0.496583	-3.29207	0.003666	0.0147	-2.08422
C14orf105	2.161059	-0.66812	4.217056	0.008866	0.028456	-2.08447
TTK	-2.3166	0.924061	-3.29172	0.003669	0.014709	-2.08498
ATP13A3	-1.49599	0.643773	-3.29104	0.003675	0.014727	-2.08643
UBOX5	-0.84055	0.685843	-3.29102	0.003675	0.014727	-2.08649
CREB3	-0.44221	0.468617	-3.29047	0.00368	0.014742	-2.08768
PGM3	-0.73386	0.517827	-3.29007	0.003683	0.014753	-2.08854
ZP3	0.771814	0.002893	3.289535	0.003688	0.014768	-2.08969
RBM34	-0.79852	0.731435	-3.28805	0.0037	0.014812	-2.09289
NQO2	-1.22565	0.748412	-3.28762	0.003704	0.014823	-2.09384
SCN3A	0.730104	-0.52082	3.299878	0.003794	0.015116	-2.09396
LCORL	-0.74488	0.131764	-3.2871	0.003708	0.014838	-2.09495
SYVN1	-0.90331	0.926154	-3.28696	0.00371	0.01484	-2.09526
PPP4R2	-1.245	0.847685	-3.28685	0.00371	0.01484	-2.09549
POLE2	-1.09067	0.581337	-3.29904	0.003801	0.015133	-2.09573
IFT88	-1.00784	0.619751	-3.28483	0.003924	0.015506	-2.09575
TRIM17	0.533485	-0.34711	3.31469	0.004134	0.016109	-2.09644
PGBD2	-0.66884	0.391807	-3.28619	0.003716	0.01486	-2.09691
THSD7B	-0.71248	0.179907	-3.28487	0.003727	0.0149	-2.09976
CD300LD	0.687125	-0.11796	3.284836	0.003728	0.0149	-2.09985
LOC100130	-0.83004	-0.17199	-3.28426	0.003732	0.014913	-2.10108
GBA2	-1.32052	1.284768	-3.2841	0.003734	0.014916	-2.10144
KPTN	-0.64256	0.526598	-3.28381	0.003736	0.014923	-2.10206
INO80C	-0.33177	0.248814	-3.28328	0.003741	0.014938	-2.10321
MICU1	-0.71499	0.538919	-3.28278	0.003745	0.014952	-2.10428
LINC00467	-0.87783	0.234279	-3.28267	0.003746	0.014952	-2.10452
CACHD1	-0.42983	0.093016	-3.28242	0.003748	0.014958	-2.10506
TSR2	-0.63477	0.436199	-3.28115	0.003759	0.014998	-2.1078
FAM26D	0.784112	-0.30442	3.293293	0.00385	0.015294	-2.10795
C8orf60	-1.28495	0.844896	-3.281	0.00376	0.015001	-2.10813
SERP1	-1.44874	0.577212	-3.28036	0.003766	0.01502	-2.10952
APOBEC2	0.876675	-0.21403	3.345287	0.004475	0.017081	-2.11004
FAM187B	0.955811	-0.49444	3.276991	0.003994	0.015713	-2.11234
TTC32	-1.19292	0.342415	-3.27878	0.00378	0.015071	-2.11294
TULP1	0.675174	-0.50269	3.290629	0.003873	0.01537	-2.11361
C1orf27	0.844014	-0.34966	3.278305	0.003784	0.015084	-2.11395
ATP5J2	-0.65227	0.282171	-3.27728	0.003793	0.015116	-2.11616
KRTAP1-3	0.731081	-0.58766	3.277101	0.003794	0.015116	-2.11655
LOC100131	0.864576	-0.36696	3.276806	0.003797	0.015124	-2.11719
PHLDB2	0.836534	-0.18938	3.276605	0.003798	0.015127	-2.11762
ENPP6	0.621256	-0.38427	3.288432	0.003893	0.015434	-2.11828
FAM107B	-0.57113	0.085399	-3.27628	0.003801	0.015133	-2.11833

PSMC2	-0.91848	0.299649	-3.27576	0.003806	0.015148	-2.11946
DSTN	0.580193	-0.54883	3.274948	0.003813	0.015173	-2.1212
GIGYF2	-1.12153	0.601727	-3.27388	0.003822	0.015205	-2.12351
SH3GL1	-0.54938	0.537675	-3.27382	0.003823	0.015205	-2.12362
C11orf86	0.654742	-0.29282	3.27096	0.004048	0.015877	-2.12509
PCDHA5	1.132707	-0.52455	3.273099	0.003829	0.015228	-2.12519
CSAD	-1.2704	0.817738	-3.27293	0.003831	0.01523	-2.12556
LOC100506	-1.16655	0.337915	-3.27266	0.003833	0.015237	-2.12613
CYP1B1	-1.9558	0.546854	-3.27243	0.003835	0.015242	-2.12664
LOC100507	0.715338	-0.68934	3.283894	0.004158	0.016183	-2.12743
RAB21	-1.52143	1.282626	-3.27098	0.003848	0.015287	-2.12977
GRIK2	-0.89606	0.174445	-3.27096	0.003848	0.015287	-2.1298
XAGE1A	-1.36933	0.26806	-3.26872	0.004069	0.015926	-2.12983
MTCH1	-0.71485	0.572613	-3.27051	0.003852	0.015296	-2.13079
UBR7	-0.99509	0.698865	-3.27017	0.003855	0.015305	-2.13151
RAB11FIP2	-0.72902	0.131038	-3.2685	0.00387	0.01536	-2.13512
FOXP1	0.855208	-0.41718	3.268224	0.003872	0.015367	-2.13571
ZNF18	-0.47368	0.416786	-3.26751	0.003878	0.015383	-2.13726
DPF2	0.453486	-0.00131	3.267246	0.003881	0.015389	-2.13782
FKBP7	-0.79572	0.194853	-3.27847	0.003981	0.01567	-2.13943
SIPA1	-0.5401	0.624751	-3.26571	0.003894	0.015437	-2.14112
UEVLD	-1.72577	0.905331	-3.26528	0.003898	0.015449	-2.14207
C1orf183	0.52836	-0.33562	3.265164	0.003899	0.01545	-2.14231
OR4X2	0.824208	-0.4559	3.264948	0.003901	0.015454	-2.14278
RBM14	-1.2997	1.070073	-3.26478	0.003903	0.015457	-2.14314
DPPA3	0.802218	-0.13917	3.276626	0.003997	0.015721	-2.14334
IBSP	0.713106	-0.19773	3.264603	0.003904	0.01546	-2.14352
TERF1	-0.71551	0.626653	-3.26452	0.003905	0.01546	-2.14369
CBWD2	-0.71637	0.301452	-3.26441	0.003906	0.015461	-2.14394
PAPOLA	-1.11919	0.68916	-3.26391	0.00391	0.015475	-2.14502
LOC154767	-1.31057	0.648669	-3.26384	0.003911	0.015475	-2.14516
SON	-0.56487	0.286149	-3.26373	0.003912	0.015476	-2.14541
DAD1	-0.54306	0.465838	-3.26344	0.003915	0.01548	-2.14604
ZSCAN29	-0.51707	0.31736	-3.26343	0.003915	0.01548	-2.14604
TRIM54	0.792649	-0.22394	3.27493	0.00424	0.016378	-2.14605
OR11A1	0.636676	-0.48577	3.263204	0.003917	0.015485	-2.14654
C7orf29	-0.81893	0.429324	-3.26294	0.003919	0.015491	-2.1471
BUB1	-1.33293	1.244455	-3.26277	0.00392	0.015494	-2.14747
EML3	-0.55405	0.59816	-3.26211	0.003926	0.015506	-2.1489
SHFM1	-0.84207	0.748177	-3.26208	0.003927	0.015506	-2.14896
SPSB4	0.565032	-0.50012	3.262081	0.003927	0.015506	-2.14896
ARNTL	-0.82149	0.438147	-3.26192	0.003928	0.015508	-2.1493
CRIP2	1.204343	-0.36192	3.261752	0.00393	0.015511	-2.14967
KIAA0494	-0.62478	0.421162	-3.26143	0.003933	0.015519	-2.15036
RNF26	0.713955	-0.33056	3.260176	0.003944	0.015561	-2.15307
GNG13	-0.82624	-0.00261	-3.26003	0.003945	0.015563	-2.15339
PDLIM4	0.687969	-0.43265	3.258923	0.003955	0.015596	-2.15577

PVR	1.176439	-0.83765	3.258698	0.003957	0.015601	-2.15625
TNFRSF6B	-0.69049	0.577796	-3.25825	0.003961	0.015614	-2.15723
ZNF75D	-0.62556	0.095174	-3.25799	0.003964	0.01562	-2.15779
BBS4	-0.88871	0.32226	-3.25783	0.003965	0.015622	-2.15811
PNLIPRP2	-0.78667	0.036649	-3.25526	0.004193	0.016251	-2.15827
FAM160B1	-0.9617	0.064977	-3.25772	0.003966	0.015623	-2.15836
PAQR7	0.629358	-0.433	3.257608	0.003967	0.015624	-2.1586
SERPINA1C	0.973804	-0.91053	3.257504	0.003968	0.015625	-2.15883
ZNF486	0.746125	-0.18744	3.28083	0.004186	0.016231	-2.16188
PAG1	-1.25236	0.125772	-3.25606	0.003981	0.01567	-2.16195
FLJ42627	0.528604	-0.24258	3.255169	0.003989	0.015699	-2.16386
PCSK5	1.341016	-0.56222	3.254609	0.003994	0.015713	-2.16507
PSMC5	-0.48787	0.389758	-3.25379	0.004002	0.015736	-2.16683
CYP19A1	-3.19039	1.225809	-3.25364	0.004003	0.015738	-2.16716
FOLH1	0.584346	-0.40637	3.253482	0.004005	0.01574	-2.1675
SF3A3	-0.4408	0.657669	-3.25291	0.00401	0.015758	-2.16873
CD2	1.590571	-0.91158	3.252649	0.004012	0.015762	-2.16929
LOC100506	-1.19375	0.00734	-3.25262	0.004012	0.015762	-2.16934
ZNF713	0.654842	-1.04092	3.252063	0.004018	0.015779	-2.17055
DONSON	-1.14182	0.974559	-3.25075	0.00403	0.015823	-2.17338
ANKH	1.511995	-0.3648	3.250578	0.004031	0.015826	-2.17375
MLLT10	-0.56346	0.457043	-3.25038	0.004033	0.015828	-2.17419
CDK10	-0.60046	0.798018	-3.25033	0.004034	0.015828	-2.17429
MBD6	-0.76554	0.427821	-3.25028	0.004034	0.015828	-2.1744
CAPZA2	-1.16198	0.511707	-3.24983	0.004038	0.015841	-2.17537
LOC100129	-1.25078	0.726382	-3.24864	0.004049	0.015877	-2.17792
PTPN2	-1.71202	0.83977	-3.2481	0.004054	0.015894	-2.1791
CHML	-0.44102	0.006767	-3.24783	0.004057	0.015898	-2.17966
LRRN2	0.812059	-0.56712	3.247809	0.004057	0.015898	-2.17972
TNFAIP8L3	-2.15677	0.979054	-3.24752	0.00406	0.015905	-2.18035
MINK1	-0.79189	0.807695	-3.24739	0.004061	0.015907	-2.18062
UCP1	0.949784	-0.5847	3.246991	0.004064	0.015917	-2.18148
DDC	-0.69827	0.016615	-3.24694	0.004065	0.015917	-2.18158
PRSS2	1.043301	-0.62525	3.246762	0.004067	0.01592	-2.18197
LRIG3	0.894751	-0.16892	3.257951	0.004168	0.016201	-2.18295
TFR2	0.877917	-0.23688	3.24568	0.004077	0.015953	-2.1843
C21orf7	1.280722	-0.02972	3.257193	0.004175	0.016207	-2.18455
LSM12	-0.62775	0.701789	-3.24555	0.004078	0.015954	-2.18458
CIR1	-0.9304	1.018252	-3.24536	0.00408	0.015955	-2.18499
CTSC	-1.42852	0.555018	-3.24536	0.00408	0.015955	-2.185
AKT2	-0.7365	0.768982	-3.24514	0.004082	0.015959	-2.18547
GPR108	-0.57246	0.519783	-3.24508	0.004082	0.015959	-2.1856
STX8	-0.66587	0.475379	-3.24471	0.004086	0.015969	-2.18639
PRR15L	-1.1766	0.275701	-3.24448	0.004088	0.015974	-2.18688
LOC729234	-0.628	-0.01753	-3.24386	0.004094	0.015994	-2.18822
FAM173B	-1.37599	0.936634	-3.24339	0.004098	0.016006	-2.18923
TMEM231	-0.63587	0.22953	-3.24332	0.004099	0.016006	-2.18938

SPRR3	0.741378	-0.43148	3.243219	0.0041	0.016006	-2.1896
DDX3X	-0.95977	0.737625	-3.24319	0.0041	0.016006	-2.18967
SPANXA1	-1.49091	0.739919	-3.24248	0.004107	0.016022	-2.1912
PIGB	-1.08661	0.36452	-3.24243	0.004107	0.016022	-2.19129
ADAM15	-0.98351	0.556336	-3.2424	0.004107	0.016022	-2.19137
SNX27	-0.91776	0.667133	-3.24238	0.004107	0.016022	-2.19141
MPHOSPH	-0.86803	0.772664	-3.24195	0.004111	0.016033	-2.19233
KIF1B	-1.93412	1.435525	-3.24192	0.004112	0.016033	-2.19239
FOXI3	0.59342	-0.40619	3.24142	0.004116	0.016048	-2.19347
ZNF12	-1.10477	0.512991	-3.24077	0.004123	0.016068	-2.19487
INGX	-0.68501	0.252859	-3.2378	0.004361	0.016754	-2.19513
ZNF876P	0.695295	-0.23937	3.264721	0.004337	0.016687	-2.19542
CAPN2	0.788361	-0.38048	3.239231	0.004137	0.016119	-2.19818
PPP1R12B	1.044797	-0.41216	3.237938	0.004149	0.016163	-2.20097
LOC100657	0.555357	-0.15508	3.237571	0.004153	0.016173	-2.20176
METTTL3	-0.72611	0.300058	-3.23745	0.004154	0.016175	-2.20201
INCENP	0.643965	-0.3339	3.261351	0.004369	0.016778	-2.20243
CCDC114	0.865961	-0.43745	3.237232	0.004156	0.01618	-2.20249
IL29	0.514485	-0.08803	3.236883	0.004159	0.016186	-2.20324
SPATA2L	0.830118	-0.342	3.236669	0.004161	0.016191	-2.2037
C3	1.007017	-0.29089	3.236514	0.004163	0.016193	-2.20403
ILVBL	0.979296	-0.5652	3.236405	0.004164	0.016194	-2.20426
UBAP2L	-0.67211	0.561753	-3.23623	0.004165	0.016197	-2.20464
ARSJ	-1.06177	0.380585	-3.23608	0.004167	0.0162	-2.20497
ZFHX2	0.582949	-0.27351	3.235877	0.004169	0.016201	-2.2054
KIAA1429	-0.9568	0.379674	-3.23567	0.004171	0.016203	-2.20585
DHX33	-0.55481	0.478036	-3.23565	0.004171	0.016203	-2.20588
VCAN	1.809163	-1.1569	3.235484	0.004173	0.016206	-2.20625
KRT86	0.775553	-0.34241	3.235245	0.004175	0.016207	-2.20676
SLC25A37	-0.78009	0.700273	-3.2352	0.004175	0.016207	-2.20687
CYP2C18	-0.51699	0.151164	-3.23481	0.004179	0.016218	-2.2077
SCML4	1.222086	-0.35797	3.234709	0.00418	0.016218	-2.20791
BPI	-1.91556	1.31484	-3.23454	0.004182	0.016221	-2.20828
FAM65B	-0.97454	0.537215	-3.23431	0.004184	0.016227	-2.20877
CSNK1G2	-0.51028	0.717282	-3.23376	0.004189	0.01624	-2.20996
STARD7	0.56975	-0.54628	3.233552	0.004191	0.016245	-2.2104
HIST1H4D	-1.36734	1.278348	-3.23306	0.004196	0.016257	-2.21145
VPS33B	-0.4949	0.34473	-3.23291	0.004197	0.016259	-2.21179
NSA2	-1.08028	0.504289	-3.23264	0.0042	0.016266	-2.21237
ECD	-0.58668	0.513887	-3.23243	0.004202	0.016271	-2.21282
CMIP	-1.20404	1.160556	-3.23216	0.004204	0.016277	-2.2134
NR2F1	1.607365	-0.36096	3.25741	0.004988	0.018515	-2.21386
GPRC5D	0.721342	-0.1728	3.231618	0.00421	0.016294	-2.21456
TTC30B	-0.70081	0.318354	-3.24296	0.004311	0.01661	-2.21469
CDCA3	-0.99959	0.820879	-3.23111	0.004214	0.01631	-2.21566
C1orf144	-0.91885	0.773005	-3.23092	0.004216	0.016314	-2.21606
CSNK1D	-1.37117	0.977124	-3.23064	0.004219	0.01632	-2.21667

DCBLD1	0.809939	-0.21216	3.230582	0.004219	0.01632	-2.21679
SLC14A1	1.025634	-0.39284	3.230448	0.004221	0.016322	-2.21708
HIST2H2A/	-1.1918	1.034816	-3.23025	0.004223	0.016326	-2.21751
PKNOX2	-0.88086	-0.16619	-3.22273	0.004756	0.017868	-2.21752
CTBP1	-0.60297	0.568584	-3.23014	0.004224	0.016327	-2.21773
NIPSNAP3/	-1.08163	-0.21933	-3.24033	0.004575	0.017367	-2.21779
STK16	-0.71063	0.360002	-3.22996	0.004225	0.01633	-2.21813
FOLR1	0.540314	-0.25421	3.229874	0.004226	0.01633	-2.21831
TESK2	-0.66264	0.284138	-3.22838	0.004241	0.016378	-2.22151
SDC2	1.596457	-0.53537	3.228282	0.004242	0.016378	-2.22174
LOC64929/	0.527455	-0.45665	3.22824	0.004242	0.016378	-2.22182
CANX	0.743576	-0.84237	3.228125	0.004243	0.016379	-2.22207
LOC25410/	1.327483	-0.51784	3.22803	0.004244	0.01638	-2.22228
TREML4	3.194201	0.001626	3.515314	0.008117	0.026533	-2.22526
RBL2	-0.74821	0.461721	-3.22516	0.004272	0.016483	-2.22845
KDELR1	-0.58755	0.753847	-3.22511	0.004272	0.016483	-2.22856
SELK	1.022677	-0.91714	3.223542	0.004288	0.016535	-2.23192
SFXN1	-0.85519	0.440784	-3.22306	0.004292	0.01655	-2.23295
GALK2	-0.52932	0.261934	-3.22186	0.004304	0.016592	-2.23554
RPGR	-0.94104	0.728016	-3.2213	0.00431	0.01661	-2.23674
WDR83	-0.43607	0.436139	-3.22078	0.004315	0.016623	-2.23787
ZDHHC16	-0.42537	0.387269	-3.2207	0.004316	0.016623	-2.23802
AK8	0.650521	-0.37551	3.220277	0.00432	0.016636	-2.23894
FAM20C	0.8111	-0.37503	3.220142	0.004321	0.016638	-2.23923
SH3GLB1	-1.19591	0.696537	-3.21995	0.004323	0.016641	-2.23964
ZNF318	-0.77603	0.398411	-3.21872	0.004335	0.016685	-2.24229
PIAS4	-0.69867	0.568068	-3.21816	0.004341	0.0167	-2.24349
ZNF160	-0.98369	0.495443	-3.21805	0.004342	0.0167	-2.24371
CC2D1B	-0.57675	0.406414	-3.21762	0.004346	0.016712	-2.24465
TRAM1L1	-0.63757	0.207549	-3.2288	0.00445	0.017014	-2.24466
CD63	-1.05987	0.415265	-3.21759	0.004346	0.016712	-2.24472
APOD	1.215133	-0.08114	3.213938	0.0046	0.017427	-2.24542
FAM208A	-1.28247	0.461191	-3.21692	0.004353	0.016734	-2.24615
C12orf74	0.90816	-0.33294	3.216826	0.004354	0.016734	-2.24635
HEATR1	0.753993	-0.34823	3.216715	0.004355	0.016735	-2.24659
PHYHD1	0.484238	-0.0693	3.215443	0.004368	0.016777	-2.24932
GPCPD1	-0.79715	0.101602	-3.21517	0.00437	0.016781	-2.2499
NR4A2	1.475736	-0.74118	3.226277	0.004475	0.017081	-2.24998
HPCA	-0.54709	0.468672	-3.21473	0.004375	0.016794	-2.25085
PDXDC2P	-0.95171	0.90402	-3.21447	0.004377	0.016801	-2.25141
SLC12A3	0.48784	-0.32438	3.214252	0.00438	0.016806	-2.25188
EPB49	1.810784	-0.35046	3.214085	0.004381	0.016808	-2.25224
CERCAM	0.516331	0.044184	3.214042	0.004382	0.016808	-2.25233
WNT11	0.414261	-0.2019	3.213748	0.004385	0.016813	-2.25296
DUSP26	-1.03632	0.279399	-3.21365	0.004385	0.016813	-2.25316
GPR111	-0.79994	-0.18097	-3.21365	0.004386	0.016813	-2.25318
GLT1D1	-1.12356	0.777404	-3.21333	0.004389	0.016822	-2.25385

C9orf174	0.841027	0.009119	3.212174	0.0044	0.016863	-2.25634
LOC441124	-1.31834	1.02886	-3.22237	0.004514	0.017198	-2.25824
LZTS2	-0.85706	1.039184	-3.21129	0.004409	0.016894	-2.25824
ARL5B	-1.01836	0.368485	-3.21099	0.004412	0.016902	-2.25889
CCIN	1.021777	-0.44809	3.210815	0.004414	0.016903	-2.25926
RGR	0.773637	-0.46258	3.210786	0.004414	0.016903	-2.25932
CASP14	0.714464	-0.26254	3.207069	0.004671	0.017658	-2.25987
KIF3B	0.528128	-0.07336	3.210526	0.004417	0.01691	-2.25988
COL1A2	-0.96147	0.518531	-3.21032	0.004419	0.016914	-2.26033
DHRS9	-1.97534	1.177625	-3.21015	0.004421	0.016918	-2.26069
LOC728171	-1.48048	1.091504	-3.2097	0.004425	0.016932	-2.26165
ANGPTL5	-0.80531	0.101165	-3.20944	0.004428	0.016939	-2.26222
PRSS38	0.695857	-0.80899	3.297649	0.005847	0.020774	-2.26357
C15orf27	-0.7646	0.120563	-3.21901	0.004548	0.017288	-2.26534
PPPDE1	-1.55513	0.43766	-3.20762	0.004446	0.017006	-2.26612
CFC1	0.783989	-0.41953	3.20724	0.00445	0.017014	-2.26693
TACC3	-0.55391	0.500063	-3.20706	0.004452	0.017015	-2.26732
TIMELESS	-0.8119	0.861341	-3.20702	0.004452	0.017015	-2.26741
SPATA3	0.615531	-0.27103	3.206931	0.004453	0.017016	-2.2676
FAM193A	-0.60357	0.592367	-3.20613	0.004461	0.017043	-2.26931
GAL	0.769451	-0.33936	3.205962	0.004463	0.017047	-2.26967
PCDHGB4	-0.57602	0.02102	-3.20587	0.004464	0.017047	-2.26987
GIPC1	0.703932	-0.3056	3.205136	0.004471	0.017072	-2.27145
NR1H4	0.486888	-0.33669	3.215881	0.00458	0.017375	-2.27195
CYP17A1	-0.67024	0.189369	-3.20458	0.004477	0.017084	-2.27264
NFS1	-0.37904	0.321324	-3.20429	0.00448	0.017091	-2.27325
C19orf26	0.528774	-0.30476	3.203859	0.004484	0.017105	-2.27419
OMD	0.417464	-0.09316	3.226787	0.004713	0.017778	-2.27424
DTWD2	0.748998	-0.50789	3.20359	0.004487	0.017112	-2.27476
RNF6	-0.87555	0.393656	-3.20306	0.004493	0.01713	-2.2759
ZNF747	0.498633	-0.15292	3.201999	0.004503	0.017164	-2.27817
RAP2C	-1.38374	0.671659	-3.202	0.004504	0.017164	-2.27818
CCDC3	1.537583	-0.55313	3.201849	0.004505	0.017167	-2.2785
CDC42EP1	0.805539	-0.0343	3.200337	0.004521	0.017219	-2.28174
SERINC2	-1.56304	1.199084	-3.2002	0.004522	0.017221	-2.28203
CCDC82	0.497344	-0.46106	3.200068	0.004523	0.017223	-2.28232
MORN2	-0.86124	0.537653	-3.19969	0.004527	0.017235	-2.28313
ZNF117	-0.47155	0.009021	-3.19938	0.00453	0.017242	-2.2838
AGBL3	1.147203	-0.33899	3.199339	0.004531	0.017242	-2.28388
PHACTR3	-0.73153	0.353592	-3.19913	0.004533	0.017247	-2.28433
TLX2	0.57048	-0.32513	3.199016	0.004534	0.017247	-2.28457
LOC400021	-0.66394	-0.0205	-3.19896	0.004535	0.017247	-2.2847
CDK14	-0.97565	1.015395	-3.19844	0.00454	0.017263	-2.2858
EFHA2	-0.76493	0.027483	-3.19767	0.004548	0.017288	-2.28745
CHI3L1	2.410855	-0.97044	3.197155	0.004553	0.017304	-2.28856
KCNG3	-0.50217	0.065157	-3.19627	0.004563	0.017336	-2.29047
WDR34	-0.81112	0.822026	-3.19608	0.004565	0.01734	-2.29087

ICAM4	1.114643	-0.28908	3.195878	0.004567	0.017344	-2.2913
NPIPL2	0.780608	-0.16637	3.195387	0.004572	0.01736	-2.29235
PEPD	0.705742	-0.39992	3.195141	0.004574	0.017367	-2.29288
POTEF	-0.92271	0.660198	-3.19482	0.004578	0.017373	-2.29357
RCOR3	-0.59873	0.533306	-3.19473	0.004579	0.017373	-2.29376
NFYC	-0.71875	0.700765	-3.19452	0.004581	0.017375	-2.29422
SH2B3	-0.72841	0.881058	-3.19441	0.004582	0.017375	-2.29444
C11orf52	0.751616	-0.32855	3.217006	0.004816	0.018049	-2.29453
C17orf108	-1.40012	0.992196	-3.19422	0.004584	0.01738	-2.29485
LPAL2	-0.82897	0.261247	-3.19407	0.004586	0.017382	-2.29518
IL11	0.964484	-0.44137	3.234787	0.005608	0.020141	-2.29539
DNAJC17	-0.86125	0.724254	-3.19397	0.004587	0.017383	-2.2954
OMG	-1.24752	0.296926	-3.18955	0.004858	0.018162	-2.29671
MRPS15	-0.57023	0.369566	-3.19274	0.004599	0.017427	-2.29803
MAGEB2	0.610687	-0.37061	3.19186	0.004609	0.017456	-2.29991
TMEM220	0.852559	-0.45654	3.191796	0.004609	0.017456	-2.30005
LOC388241	0.580519	-0.35944	3.191405	0.004613	0.017468	-2.30089
HACE1	-1.10195	0.163772	-3.20156	0.004729	0.017803	-2.30218
EMBP1	-1.04471	0.022438	-3.21243	0.004864	0.018179	-2.30403
IGLV6-57	-1.13918	1.461554	-3.18976	0.004631	0.01753	-2.30441
LOC100506	-0.93525	0.823937	-3.18962	0.004632	0.017532	-2.30471
LOC407831	-0.68463	0.818426	-3.18944	0.004634	0.017536	-2.3051
PAX6	0.659474	-0.34315	3.21187	0.00487	0.018194	-2.30518
PCYT1B	-0.97894	0.599345	-3.18906	0.004638	0.017548	-2.30592
SKA3	-1.13814	0.359326	-3.19966	0.004749	0.017858	-2.30617
RASA2	-1.0648	0.515787	-3.18852	0.004644	0.017566	-2.30706
PPM1H	0.572096	-0.39997	3.187866	0.004651	0.017589	-2.30847
RLF	-0.60556	0.001915	-3.187	0.00466	0.01762	-2.31032
CLIC4	-1.01817	1.001496	-3.18587	0.004672	0.017658	-2.31274
NELL2	2.061446	-1.13881	3.185534	0.004675	0.017664	-2.31346
ZC3H7A	-0.73355	0.366665	-3.18541	0.004677	0.017664	-2.31372
CNTRL	-0.91374	0.657996	-3.18538	0.004677	0.017664	-2.31379
KL	-1.15385	0.389697	-3.18533	0.004678	0.017664	-2.31391
MOGAT3	0.577603	-0.42051	3.185311	0.004678	0.017664	-2.31394
ZNFX1	-0.87285	0.957684	-3.18512	0.00468	0.017668	-2.31435
KMO	-0.8337	0.331375	-3.18452	0.004686	0.017689	-2.31563
ZXDA	-0.46664	0.154514	-3.18406	0.004691	0.017704	-2.31661
PDZD3	0.557599	-0.21219	3.179525	0.004968	0.018464	-2.31776
RIMS2	0.752955	-0.26495	3.182479	0.004708	0.017762	-2.32001
SMC5	-0.89373	0.370394	-3.18244	0.004708	0.017762	-2.32008
LIPG	-0.90206	0.373643	-3.19246	0.004827	0.018073	-2.32137
DMAP1	-0.54973	0.318968	-3.18177	0.004716	0.017783	-2.32151
CXADR	-0.8123	0.156026	-3.18164	0.004717	0.017785	-2.32181
COL9A3	-1.39953	1.008817	-3.18127	0.004721	0.017796	-2.3226
LINS	-0.84685	0.125215	-3.18096	0.004724	0.017799	-2.32325
CHRNA1	0.572198	-0.19517	3.180919	0.004725	0.017799	-2.32334
HILS1	0.714456	-0.45604	3.180741	0.004727	0.017799	-2.32373

ARTN	0.690034	-0.39543	3.180728	0.004727	0.017799	-2.32375
CUEDC2	-0.42296	0.300881	-3.18071	0.004727	0.017799	-2.3238
SRGN	-2.01314	1.168091	-3.18069	0.004727	0.017799	-2.32384
ACHE	0.773832	-0.45917	3.180435	0.00473	0.017803	-2.32438
ZNF768	-0.8669	0.915688	-3.18027	0.004732	0.017806	-2.32472
PITPNM1	-0.91916	0.756762	-3.18007	0.004734	0.017811	-2.32516
CHST7	0.987653	-0.15092	3.17908	0.004745	0.017847	-2.32728
HPN	-1.34263	1.338216	-3.17859	0.00475	0.017858	-2.32833
ATL2	-1.62401	0.40636	-3.17856	0.00475	0.017858	-2.32839
UBL5	-0.76326	0.205499	-3.17846	0.004751	0.017859	-2.3286
HRH2	0.899038	-0.37793	3.178333	0.004753	0.01786	-2.32888
ATP6	1.078471	-0.34047	3.177716	0.004759	0.017879	-2.3302
CLSTN3	-0.9199	0.664763	-3.1775	0.004762	0.017884	-2.33066
LRRC8C	-1.12152	0.405023	-3.17728	0.004764	0.017886	-2.33113
FAM91A1	-1.12514	0.333527	-3.17727	0.004764	0.017886	-2.33115
PLEKHM1	-0.81485	0.604923	-3.1772	0.004765	0.017886	-2.3313
ATP1B4	1.12152	-0.58275	3.175756	0.005919	0.020939	-2.3325
CBX4	-0.5542	0.628819	-3.17657	0.004772	0.017908	-2.33266
EXOC1	-1.30308	0.79097	-3.17645	0.004773	0.017909	-2.3329
NCOA7	-1.42912	0.289124	-3.17592	0.004779	0.017928	-2.33405
SYT15	0.595765	-0.16813	3.175588	0.004782	0.017938	-2.33475
TAOK3	-0.77512	0.800752	-3.17414	0.004798	0.017994	-2.33785
FAM71F1	0.770792	-0.50357	3.183081	0.004929	0.018356	-2.34112
LOC100128	0.852077	-0.17081	3.172562	0.004815	0.018049	-2.34123
CACNA1C	-0.72523	0.093738	-3.17253	0.004816	0.018049	-2.34129
EID1	-0.71664	0.225108	-3.17196	0.004822	0.018069	-2.34252
AGTRAP	-0.95493	0.466385	-3.17183	0.004823	0.018071	-2.34278
SDF2L1	0.652867	-0.22744	3.171598	0.004826	0.018073	-2.34329
CNTN3	-0.66019	0.010109	-3.17153	0.004827	0.018073	-2.34344
KARS	-0.78824	0.538609	-3.17124	0.00483	0.018081	-2.34406
GPR63	0.510298	-0.38582	3.171023	0.004832	0.018087	-2.34452
ZWINT	-1.58176	1.092352	-3.17059	0.004837	0.018101	-2.34545
HCK	-1.14375	0.699224	-3.17008	0.004843	0.018119	-2.34654
TXNDC15	-0.54782	0.275245	-3.16946	0.00485	0.018141	-2.34786
ST6GALNA	0.851748	-0.23866	3.168976	0.004855	0.018157	-2.3489
FAM83H	-0.58107	0.215596	-3.16887	0.004856	0.018158	-2.34913
ZNF200	-0.89716	0.419412	-3.16857	0.004859	0.018164	-2.34976
SOCS6	-0.54791	0.060406	-3.16788	0.004867	0.018185	-2.35125
CCP110	-0.90817	0.116043	-3.16749	0.004871	0.018194	-2.35207
CNOT2	-0.40608	0.342892	-3.16735	0.004873	0.018197	-2.35238
LINC00238	-0.77979	0.199461	-3.17737	0.004992	0.018524	-2.35314
CCNC	-1.07525	0.045407	-3.17393	0.005292	0.019302	-2.35497
ZNF157	0.728332	-0.29245	3.166101	0.004887	0.018245	-2.35504
SLC7A4	0.637137	-0.4279	3.165806	0.00489	0.018253	-2.35567
C22orf43	-0.54864	0.376865	-3.16575	0.004891	0.018253	-2.35579
RBM6	-0.72421	0.545667	-3.16478	0.004901	0.018286	-2.35786
COMMD7	-0.47534	0.29981	-3.16475	0.004902	0.018286	-2.35794

ANKHD1	-1.54727	1.30945	-3.16469	0.004902	0.018286	-2.35805
SIGLEC6	-0.91359	0.5654	-3.16373	0.004913	0.018319	-2.36011
BLM	-1.07529	0.382993	-3.16329	0.004918	0.018333	-2.36104
ORMDL2	-0.60264	0.204248	-3.16323	0.004919	0.018333	-2.36117
MBOAT2	-1.36684	0.569754	-3.16306	0.004921	0.018337	-2.36154
C14orf102	-0.67075	0.779294	-3.16272	0.004924	0.018347	-2.36228
LOC100501	0.775231	-0.37477	3.184287	0.005174	0.018993	-2.3623
ALCAM	-1.08513	0.30327	-3.16233	0.004929	0.018356	-2.36309
LAMA5	0.731908	-0.25741	3.161932	0.004933	0.01837	-2.36395
ARSG	0.495362	-0.23438	3.161561	0.004937	0.01838	-2.36474
FIP1L1	-0.43575	0.524978	-3.16152	0.004938	0.01838	-2.36483
ALDH6A1	-0.46585	0.416513	-3.16087	0.004945	0.018402	-2.36622
BTNL2	0.515075	-0.23622	3.160814	0.004946	0.018402	-2.36634
TP53TG5	1.292585	-0.26352	3.168413	0.005357	0.01947	-2.36634
SCRN3	-1.64868	0.692949	-3.1605	0.004949	0.018412	-2.36702
PIGH	-0.60084	0.241332	-3.16022	0.004952	0.01842	-2.36761
SYT9	0.76154	-0.24716	3.159347	0.004962	0.018453	-2.36947
ZEB2	-0.83273	0.056406	-3.159	0.004966	0.018464	-2.37021
PUS7L	-0.92261	0.00209	-3.15882	0.004968	0.018464	-2.37059
MGC39584	-0.95914	0.177612	-3.1587	0.00497	0.018464	-2.37086
PGLYRP3	0.824418	-0.48787	3.15868	0.00497	0.018464	-2.3709
TMEM180	-0.54762	0.380189	-3.15854	0.004971	0.018466	-2.37119
OLFM3	0.958083	-0.47086	3.167973	0.005098	0.018799	-2.37292
SULT1C2	0.995688	-0.35398	3.167868	0.005099	0.018799	-2.37314
CCDC144A	0.548644	-0.33939	3.157571	0.004982	0.0185	-2.37327
OSTCP1	0.756345	-0.17641	3.15757	0.004982	0.0185	-2.37327
FLJ31356	0.735785	-0.22657	3.157043	0.004988	0.018515	-2.37439
MED24	0.934646	-0.22745	3.156673	0.004992	0.018524	-2.37518
GLYATL2	0.38478	-0.33132	3.155929	0.005001	0.018551	-2.37677
FXVD2	0.76278	-0.43467	3.155459	0.005006	0.018565	-2.37778
ZMYND17	-0.91879	0.238806	-3.15543	0.005007	0.018565	-2.37784
SLC4A10	0.96929	0.026977	3.162784	0.005423	0.019653	-2.37794
SYMPK	0.56481	-0.25354	3.155218	0.005009	0.018569	-2.37829
MTRF1	-0.8438	0.510003	-3.15517	0.00501	0.018569	-2.37839
ZNF124	-1.35003	0.477245	-3.16246	0.005427	0.019659	-2.37861
CDS1	-0.47675	-0.00602	-3.15499	0.005012	0.018573	-2.37878
ITPRIPL1	0.53968	0.101051	3.154699	0.005015	0.018582	-2.3794
FCRLA	-1.72383	1.516327	-3.15377	0.005025	0.018618	-2.38138
ZBTB80S	-0.99958	0.215616	-3.15368	0.005027	0.018618	-2.38158
ABHD13	-1.21348	0.249057	-3.15361	0.005027	0.018618	-2.38172
MTCP1	-1.00982	0.661019	-3.15328	0.005031	0.018628	-2.38244
FOXD1	0.855039	-0.43577	3.153039	0.005034	0.018635	-2.38294
GLRX	-1.37915	0.415141	-3.15295	0.005035	0.018635	-2.38314
CTAGE3P	-0.44669	0.103855	-3.16293	0.005156	0.018949	-2.38352
TJP1	-0.74095	0.369824	-3.15234	0.005042	0.018657	-2.38443
MSRA	-1.20031	0.523064	-3.15215	0.005044	0.01866	-2.38483
COX4I2	0.489064	-0.30983	3.152068	0.005045	0.01866	-2.38502

IYD	0.646022	-0.39881	3.152026	0.005045	0.01866	-2.38511
CORO6	-0.93405	0.134363	-3.15166	0.00505	0.018667	-2.3859
GPBAR1	1.352652	-0.34994	3.151627	0.00505	0.018667	-2.38596
GGNBP2	-0.80883	0.909616	-3.15161	0.00505	0.018667	-2.38599
PLEKHJ1	-0.6116	0.432058	-3.15022	0.005066	0.018722	-2.38895
SERPINB10	-1.90769	0.794783	-3.15952	0.005195	0.019045	-2.39069
CD300A	-0.84936	0.617591	-3.14921	0.005078	0.018762	-2.39112
MCTS1	-0.90723	0.397094	-3.14912	0.005079	0.018762	-2.39131
SPAG9	-0.7495	0.453066	-3.14856	0.005085	0.018782	-2.39249
KLC2	0.623813	-0.44047	3.148358	0.005088	0.018788	-2.39293
KIAA1908	-0.61398	0.362997	-3.14823	0.005089	0.01879	-2.39322
CACNA1H	0.677001	-0.26071	3.14783	0.005094	0.018799	-2.39406
EFHA1	-0.94142	0.054319	-3.1478	0.005094	0.018799	-2.39413
C10orf92	1.079506	-0.34241	3.147552	0.005097	0.018799	-2.39466
A2ML1	0.494462	-0.35649	3.147527	0.005097	0.018799	-2.39471
ATOH8	1.153009	-0.4636	3.147459	0.005098	0.018799	-2.39485
ORC4	-1.06424	0.359781	-3.14735	0.005099	0.018799	-2.39508
HS3ST5	-1.03599	0.267127	-3.14705	0.005103	0.018808	-2.39574
CHRNA3	0.799213	-0.43909	3.146956	0.005104	0.018808	-2.39593
GLCC1	0.6483	-0.28095	3.146499	0.005109	0.018824	-2.3969
HSF1	-0.40104	0.471723	-3.14633	0.005111	0.018828	-2.39726
RPL8	1.191398	-0.82818	3.146089	0.005114	0.018835	-2.39778
HORMAD1	-1.66765	1.275632	-3.14599	0.005115	0.018836	-2.39799
SLC25A14	-0.37827	-0.01711	-3.14533	0.005123	0.018858	-2.3994
ZNF671	-0.51576	0.400077	-3.1453	0.005123	0.018858	-2.39945
FNDC3A	-1.19437	0.183715	-3.14487	0.005128	0.018873	-2.40037
PPP1R9B	0.735828	-0.08769	3.144752	0.005129	0.018874	-2.40063
TM9SF1	-0.51474	0.457924	-3.14463	0.005131	0.018875	-2.40089
C5orf27	0.693957	-0.38849	3.144575	0.005131	0.018875	-2.40101
ALLC	-1.04472	0.191749	-3.14446	0.005133	0.018876	-2.40125
C1orf192	0.799881	-0.23453	3.144314	0.005135	0.018879	-2.40156
RAD52	0.612981	-0.06646	3.14358	0.005143	0.018907	-2.40313
PGBD4	0.772366	-0.37179	3.141614	0.005166	0.018982	-2.40732
TMEM160	0.717829	-0.49433	3.141546	0.005167	0.018982	-2.40747
CALML6	0.759063	-0.12345	3.141512	0.005167	0.018982	-2.40754
CUL7	-0.54007	0.432905	-3.14142	0.005168	0.018982	-2.40774
ARPC1B	-0.54183	0.446516	-3.14104	0.005173	0.018993	-2.40855
ERMN	-0.7923	0.212092	-3.1409	0.005175	0.018993	-2.40885
POTEKP	-0.84748	0.691406	-3.14083	0.005175	0.018993	-2.409
DTD1	0.675801	-0.31029	3.140152	0.005183	0.019019	-2.41044
FAM118B	-1.30185	0.667568	-3.13993	0.005186	0.019025	-2.41091
ING4	-0.48848	0.197823	-3.13953	0.005191	0.019039	-2.41177
ST6GALNA	-0.91962	0.267246	-3.13912	0.005195	0.019045	-2.41265
C1orf187	0.695104	-0.75083	3.139101	0.005196	0.019045	-2.41268
CTXN1	0.609162	-0.32718	3.139056	0.005196	0.019045	-2.41278
NUP37	-0.6362	0.13853	-3.13865	0.005201	0.019059	-2.41363
GLI4	-0.5609	0.659811	-3.13844	0.005203	0.019061	-2.41408

FBXL21	-0.92063	0.178494	-3.13844	0.005203	0.019061	-2.41409
MAP1LC3B	-0.86976	0.406944	-3.13836	0.005204	0.019061	-2.41426
FAM9B	-0.73222	0.216531	-3.13797	0.005209	0.019074	-2.41509
BPHL	0.693468	-0.39583	3.137839	0.005211	0.019076	-2.41537
PRO2852	-1.31527	0.903877	-3.13774	0.005212	0.019077	-2.41559
PRKCH	1.326966	-0.78659	3.137397	0.005216	0.019088	-2.41631
DGKD	-0.64691	0.496528	-3.13715	0.005219	0.019095	-2.41685
BAI3	-0.63183	-0.05799	-3.14691	0.005343	0.01943	-2.41717
ARHGEF2	-0.62866	0.636323	-3.13689	0.005222	0.019103	-2.4174
CELF2	-0.78954	0.589486	-3.1368	0.005223	0.019103	-2.41759
EZH2	-0.77742	0.49937	-3.13603	0.005232	0.019133	-2.41922
EVI5	0.751954	-0.17325	3.145499	0.00536	0.019472	-2.42014
EDN3	1.15748	-0.30884	3.135313	0.00524	0.019161	-2.42075
PIWIL2	1.559963	-0.2688	3.135052	0.005244	0.019168	-2.42131
CDCA7	-1.59183	1.003175	-3.13499	0.005244	0.019168	-2.42144
AIRE	0.64074	-0.29576	3.134666	0.005248	0.019178	-2.42213
FBXO21	0.72661	-0.5279	3.13433	0.005252	0.019185	-2.42285
SLC23A3	-0.82824	0.837192	-3.13426	0.005253	0.019185	-2.42299
LOC64345	-1.12062	0.599885	-3.13425	0.005253	0.019185	-2.42302
NAIF1	-0.54463	0.450442	-3.13387	0.005258	0.019198	-2.42384
C15orf60	-1.09603	0.167921	-3.13374	0.005259	0.0192	-2.42411
RPL32	1.233505	-0.78372	3.133315	0.005264	0.019215	-2.42501
STIM2	-0.81924	0.792921	-3.13298	0.005268	0.019226	-2.42571
MAP6D1	-0.56041	0.274124	-3.1316	0.005285	0.019283	-2.42866
PLDN	-0.80496	0.543901	-3.13124	0.005289	0.019295	-2.42943
BCL2A1	-0.95279	0.37441	-3.13093	0.005293	0.019302	-2.43009
LINC00442	0.64368	-0.31368	3.130467	0.005298	0.019315	-2.43108
DIO2	0.650219	-0.34671	3.130465	0.005298	0.019315	-2.43108
HIP1	-1.4811	1.116131	-3.13021	0.005301	0.019322	-2.43163
SLC22A12	0.550495	-0.39103	3.129596	0.005309	0.019346	-2.43293
KRR1	-1.11446	0.522213	-3.13938	0.005434	0.019661	-2.43298
IGHD	-0.92597	0.906563	-3.12948	0.00531	0.019347	-2.43317
ITGB6	0.819327	-0.45457	3.124035	0.005622	0.02017	-2.43395
MAP4	-0.9052	0.682694	-3.12885	0.005318	0.019371	-2.43452
SWAP70	-0.95309	0.539406	-3.12868	0.00532	0.019375	-2.43489
PRAMEF3	-0.88595	-0.03768	-3.12826	0.005325	0.01939	-2.43577
SERINC1	-0.76192	0.267764	-3.12307	0.005635	0.020202	-2.43595
ALKBH4	-0.55584	0.476667	-3.12794	0.005329	0.0194	-2.43646
PIK3R6	-1.18833	1.071029	-3.12756	0.005333	0.019413	-2.43726
TMEM171	0.643755	-0.39422	3.127257	0.005337	0.019423	-2.43791
ZNF44	-1.2146	0.944058	-3.12692	0.005341	0.01943	-2.43864
CHAF1B	-0.7074	0.515445	-3.1269	0.005341	0.01943	-2.43868
TMEM107	-1.20358	0.765056	-3.12681	0.005342	0.01943	-2.43886
H1FNT	0.547235	-0.40816	3.125977	0.005353	0.019462	-2.44064
ADD2	-1.0236	0.346828	-3.12578	0.005355	0.019467	-2.44106
GTSE1	-0.95104	0.936569	-3.12547	0.005359	0.019472	-2.44173
EEF2	0.808476	-0.43077	3.125335	0.00536	0.019472	-2.44201

RNF115	-0.51961	0.468085	-3.12518	0.005362	0.019475	-2.44233
APAF1	-1.22801	0.812715	-3.12493	0.005365	0.019482	-2.44286
WDR16	-0.96191	0.196232	-3.13403	0.005499	0.019837	-2.44421
CCDC41	-0.70528	0.315555	-3.12355	0.005382	0.01954	-2.44581
AZI2	-1.4131	0.684459	-3.12303	0.005388	0.019559	-2.44691
FLRT3	-1.14922	0.154577	-3.12252	0.005395	0.019578	-2.448
PGAP3	0.75318	-0.33201	3.122265	0.005398	0.019586	-2.44854
SPACA4	0.36399	-0.27979	3.131951	0.005524	0.019901	-2.44856
RNF19A	-1.02601	0.415345	-3.12158	0.005406	0.019612	-2.45
DPM1	-1.12465	0.153649	-3.12151	0.005407	0.019612	-2.45015
LOC100506	-1.98262	1.38795	-3.12135	0.005409	0.019616	-2.45049
C4orf19	0.643951	-0.2876	3.108448	0.006107	0.02146	-2.45187
PHF13	0.553761	-0.31998	3.120589	0.005418	0.019646	-2.45211
SPAG7	-0.78543	0.462087	-3.12036	0.005421	0.01965	-2.4526
AGK	-0.8868	-0.0376	-3.12034	0.005421	0.01965	-2.45264
TEX13A	1.1583	-0.59748	3.119944	0.005426	0.019659	-2.45348
KRTAP4-1	-0.80301	-0.02611	-3.11953	0.005431	0.019661	-2.45436
UBE2A	-0.43397	0.005244	-3.11953	0.005431	0.019661	-2.45437
ZNF646	-0.85532	0.626778	-3.11947	0.005432	0.019661	-2.45449
BSN-AS2	0.43841	-0.09737	3.119418	0.005433	0.019661	-2.4546
FOXO4	-1.07239	0.72755	-3.11935	0.005434	0.019661	-2.45474
CDIPT	-0.65339	0.597164	-3.11905	0.005437	0.019671	-2.45539
IGF1R	-1.15662	1.092854	-3.11897	0.005438	0.019671	-2.45556
TSPAN4	0.820853	-0.35833	3.118649	0.005442	0.019681	-2.45623
LOC100291	1.058218	-0.09001	3.124511	0.005897	0.020892	-2.45662
LITAF	-1.24454	1.004909	-3.11845	0.005445	0.019686	-2.45665
DNAJB5	0.597601	-0.35836	3.118249	0.005447	0.01969	-2.45708
H2AFY2	0.802675	-0.32512	3.118212	0.005448	0.01969	-2.45716
TNFSF13	-1.14758	0.805634	-3.11796	0.005451	0.019697	-2.45769
SPATA24	0.55254	-0.20923	3.117686	0.005454	0.019699	-2.45828
TRIM25	-1.57209	0.778547	-3.11769	0.005454	0.019699	-2.45828
PKP1	0.608829	-0.28338	3.117678	0.005454	0.019699	-2.4583
RNF19B	-1.16782	1.026473	-3.1162	0.005473	0.019762	-2.46145
CHEK1	-1.4024	1.113998	-3.1161	0.005474	0.019762	-2.46165
POM121L4	-0.96584	0.352997	-3.11568	0.005479	0.019778	-2.46255
LIN28A	1.425181	-0.41324	3.163099	0.006491	0.02248	-2.4628
TMEM2	-1.06286	0.715385	-3.11555	0.005481	0.01978	-2.46283
LOC100651	0.932381	-0.31418	3.109709	0.005805	0.020664	-2.46385
TRAPPC4	-0.62325	0.416479	-3.11423	0.005497	0.019835	-2.46563
ALS2CR12	1.150655	-0.35379	3.114025	0.005499	0.019837	-2.46607
TBK1	-0.94642	0.214392	-3.11357	0.005505	0.019854	-2.46705
AP1B1	-1.04834	1.127824	-3.11332	0.005508	0.019862	-2.46756
BEAN1	1.023024	-0.37713	3.119106	0.005967	0.021077	-2.46771
SCG2	1.055199	-0.24161	3.119084	0.005967	0.021077	-2.46775
HSBP1	-0.79059	0.52912	-3.11284	0.005514	0.01988	-2.46859
ZDHHC5	0.507693	-0.26703	3.112402	0.00552	0.019893	-2.46952
GPC6	-1.13665	0.362461	-3.11237	0.00552	0.019893	-2.46958

VPS11	-0.53252	0.507141	-3.11209	0.005524	0.019901	-2.47019
PKD1L1	-0.92728	0.178461	-3.11196	0.005525	0.019901	-2.47046
WISP2	0.477537	-0.38572	3.111832	0.005527	0.019903	-2.47073
XRCC3	0.51484	-0.41224	3.111743	0.005528	0.019904	-2.47092
ZNF281	-0.99694	0.426773	-3.11142	0.005532	0.019914	-2.47161
CLDN10	0.794247	-0.2449	3.11069	0.005541	0.019944	-2.47316
ZNF169	1.237765	-0.66817	3.130333	0.005822	0.020711	-2.47366
AHSA2	-1.01616	0.367429	-3.10979	0.005552	0.019981	-2.47507
CLCA4	0.655736	-0.31633	3.104275	0.005875	0.020844	-2.47518
FAM125A	-0.48897	0.520333	-3.10929	0.005559	0.019996	-2.47613
C1orf86	-0.62895	0.637437	-3.10929	0.005559	0.019996	-2.47614
DLAT	0.513839	-0.41111	3.108423	0.00557	0.020032	-2.47798
COPS3	0.462814	-0.54546	3.108142	0.005573	0.020041	-2.47857
PPP2R5A	-0.85554	0.376958	-3.10781	0.005577	0.020052	-2.47928
KIAA0355	0.805474	-0.41629	3.101968	0.005905	0.020913	-2.47999
NAMPT	-1.67321	0.845668	-3.10731	0.005584	0.020071	-2.48035
FBXO9	-1.51915	0.608418	-3.10721	0.005585	0.020072	-2.48056
ZNF69	0.714793	-0.18866	3.106456	0.005595	0.020103	-2.48216
MYO1G	-0.87153	0.517651	-3.10627	0.005597	0.020107	-2.48255
HOGA1	0.90016	-0.3415	3.115641	0.005729	0.020456	-2.48272
ZNF415	-1.08004	0.56267	-3.12552	0.005883	0.020864	-2.48356
PLA2G6	-0.57811	0.356527	-3.1055	0.005607	0.020139	-2.48419
PTPRC	-1.05988	0.407044	-3.10519	0.005611	0.020145	-2.48484
SH3RF2	0.688578	-0.19596	3.104657	0.005617	0.020166	-2.48598
ZNF831	1.174566	-0.78261	3.104498	0.005619	0.02017	-2.48632
HENMT1	-0.7052	0.062003	-3.10432	0.005622	0.02017	-2.48669
VNN2	-1.37669	0.705305	-3.10427	0.005622	0.02017	-2.4868
MFI2-AS1	0.849259	-0.12063	3.123837	0.005905	0.020913	-2.48703
USP11	0.758709	-0.20608	3.103442	0.005633	0.020202	-2.48856
CEP192	-0.86969	0.538298	-3.10332	0.005634	0.020202	-2.48882
UMODL1	-0.79271	0.173016	-3.10292	0.00564	0.020216	-2.48967
ABCD3	-0.96421	0.091114	-3.10234	0.005647	0.020239	-2.49091
KLHDC10	-0.82049	0.388408	-3.10198	0.005651	0.020251	-2.49166
HLA-DRB5	1.0418	-0.43986	3.101643	0.005656	0.020263	-2.49238
LDLR	-1.19445	1.091275	-3.10097	0.005664	0.02029	-2.49382
TAC3	0.549362	-0.3212	3.100902	0.005665	0.02029	-2.49395
SYNJ1	-0.59347	0.314286	-3.10049	0.005671	0.020305	-2.49482
SYT12	0.650132	-0.11962	3.100317	0.005673	0.020309	-2.4952
PRKCB	-0.84827	0.810943	-3.1	0.005677	0.02032	-2.49587
THNSL1	-0.53757	0.221645	-3.09962	0.005682	0.020334	-2.49667
FGD4	-2.22142	0.984061	-3.09944	0.005684	0.020336	-2.49706
PTCH1	0.448783	-0.55925	3.099411	0.005684	0.020336	-2.49712
GGTLC2	-0.99603	0.683152	-3.0993	0.005686	0.020337	-2.49735
CCR9	0.987086	-0.24084	3.1167	0.006322	0.022058	-2.49755
RAPGEF4	-0.5719	0.309219	-3.09725	0.005712	0.020425	-2.50171
CD5	1.243212	-0.4515	3.097194	0.005713	0.020425	-2.50183
GPSM2	-1.05987	0.644203	-3.09716	0.005714	0.020425	-2.50191

LMCD1	0.653572	-0.14015	3.09708	0.005714	0.020425	-2.50207
PYCR1	-0.77713	0.837839	-3.09683	0.005718	0.020432	-2.5026
RELN	-0.82808	0.164946	-3.09676	0.005719	0.020432	-2.50275
ENY2	-0.86848	0.113056	-3.09648	0.005722	0.020441	-2.50334
PCGF2	0.607991	-0.43823	3.096163	0.005726	0.020452	-2.50402
COASY	-0.6305	0.519163	-3.09573	0.005732	0.020465	-2.50494
ZNF517	1.55497	-1.08069	3.071969	0.006956	0.023675	-2.50565
LOC100507	-0.82846	0.432043	-3.09528	0.005738	0.020482	-2.5059
NEFL	0.925195	-0.37471	3.094566	0.005747	0.020512	-2.50741
VDAC1	0.535965	-0.32201	3.094	0.005754	0.020534	-2.50861
ATP9A	-1.7909	0.776468	-3.0939	0.005756	0.020535	-2.50881
TBC1D2	-0.72491	0.434873	-3.09365	0.005759	0.020543	-2.50935
AEBP2	-0.72742	0.480207	-3.0933	0.005764	0.020555	-2.51008
LOC648740	0.675065	-0.26956	3.093019	0.005767	0.020558	-2.51069
GINS2	-1.24643	1.194977	-3.093	0.005768	0.020558	-2.51073
LGALS8	-1.61432	1.144724	-3.093	0.005768	0.020558	-2.51073
SOX30	0.547361	-0.39463	3.092798	0.00577	0.020564	-2.51116
RNPEP	-0.95157	0.776862	-3.09262	0.005772	0.020569	-2.51154
ZNF702P	-0.82668	0.147143	-3.09207	0.00578	0.02059	-2.5127
PRDM2	-1.03643	1.03943	-3.09148	0.005787	0.020614	-2.51396
NEDD4L	1.254616	-0.73458	3.090387	0.005802	0.020661	-2.51627
AGAP7	-0.75093	0.596017	-3.09032	0.005803	0.020661	-2.51642
SSRP1	0.751208	-0.33729	3.090078	0.005806	0.020664	-2.51693
ADCY3	-1.09591	0.62185	-3.08892	0.005821	0.020711	-2.51939
MCOLN3	0.863216	-0.49659	3.088908	0.005821	0.020711	-2.51941
KPNB1	-0.71307	0.670935	-3.08871	0.005824	0.020713	-2.51983
TEX15	0.46521	-0.13734	3.088506	0.005826	0.020719	-2.52026
NDUFV3	-0.67906	0.612228	-3.08786	0.005835	0.020746	-2.52163
ZNF518A	-1.05884	0.484468	-3.08769	0.005837	0.02075	-2.52199
ARHGAP26	-0.83136	0.557302	-3.08756	0.005839	0.02075	-2.52226
SRC	0.751276	-0.21317	3.087527	0.005839	0.02075	-2.52234
MKNK2	-0.5447	0.569738	-3.0867	0.00585	0.020781	-2.52409
SCN8A	-1.33724	0.464362	-3.08649	0.005853	0.020787	-2.52453
COL6A3	-0.45347	0.092406	-3.08641	0.005854	0.020787	-2.52471
ASB6	-0.52636	0.599967	-3.08618	0.005857	0.020794	-2.5252
POLR3GL	-0.7261	0.416321	-3.08519	0.00587	0.020836	-2.5273
TLR4	-1.08992	0.77849	-3.08513	0.005871	0.020836	-2.52743
KRTAP12-2	-0.88084	0.073756	-3.08492	0.005874	0.020842	-2.52785
ZNF280D	-1.19085	0.328406	-3.08449	0.005879	0.020855	-2.52877
OR5L2	0.570189	-0.48748	3.084141	0.005884	0.020864	-2.52951
TMCO5A	-0.83866	0.360785	-3.08392	0.005887	0.020869	-2.52998
IFNGR1	-1.35357	0.248113	-3.08388	0.005888	0.020869	-2.53007
LOC100137	-1.18043	0.992651	-3.08373	0.00589	0.020872	-2.53038
C5AR1	-1.31871	0.906834	-3.08316	0.005897	0.020892	-2.5316
ELF2	-0.75299	0.335172	-3.08228	0.005909	0.020922	-2.53347
PPP1R18	-0.63439	0.593392	-3.08198	0.005913	0.02093	-2.5341
ARL17A	-0.52098	0.173632	-3.08188	0.005914	0.02093	-2.5343

ORC6	-1.33537	0.884794	-3.08187	0.005914	0.02093	-2.53433
DDIT4	0.67379	-0.55601	3.081613	0.005918	0.020938	-2.53487
C20orf107	0.871514	-0.69081	3.067414	0.006679	0.022949	-2.53547
TSC2	-0.5955	0.714517	-3.08104	0.005926	0.020958	-2.53609
SV2B	0.54955	-0.7401	3.080843	0.005928	0.020963	-2.53651
LOC100506	0.704633	-0.35142	3.08048	0.005933	0.020977	-2.53727
NACC1	-0.61518	0.625418	-3.08037	0.005934	0.020978	-2.5375
BMPER	-0.80614	0.184104	-3.08877	0.006081	0.021389	-2.53889
ARPC4-TTL	-1.0807	0.806698	-3.07834	0.005962	0.02107	-2.5418
NOSTRIN	0.613325	-0.27316	3.078042	0.005966	0.021077	-2.54244
SPA17	-1.40529	0.780771	-3.07768	0.005971	0.021087	-2.5432
SLC11A2	-0.63122	0.05816	-3.07742	0.005974	0.021095	-2.54376
MIR497HG	0.66222	-0.28225	3.077121	0.005978	0.021106	-2.54439
PRDX2	1.102048	-0.34966	3.076567	0.005986	0.021128	-2.54556
VRK3	-0.5144	0.378944	-3.07636	0.005989	0.021135	-2.54601
CLIC1	-0.74167	0.233991	-3.07605	0.005993	0.021146	-2.54666
DEFB104B	-0.61046	0.000622	-3.07581	0.005996	0.021153	-2.54717
HIST1H4F	-0.63591	0.24586	-3.08398	0.006146	0.021579	-2.54888
SKAP1	1.298169	-0.63881	3.074386	0.006015	0.021218	-2.55018
DHRS2	0.551932	-0.26208	3.074154	0.006018	0.021225	-2.55067
APLP1	0.539191	-0.45728	3.073907	0.006022	0.021229	-2.5512
CHMP7	-0.82087	0.771212	-3.0739	0.006022	0.021229	-2.5512
ZNF267	-1.48788	0.179052	-3.07292	0.006035	0.021272	-2.55328
NPFFR2	0.809082	-0.49992	3.091323	0.006339	0.02211	-2.55386
PCDHB11	-0.62041	0.049643	-3.07257	0.00604	0.021286	-2.55403
WDR37	-0.57615	0.015958	-3.07242	0.006042	0.021289	-2.55435
DHX29	-0.53164	0.148248	-3.0719	0.006049	0.02131	-2.55544
TCF25	-0.77739	0.702594	-3.07175	0.006051	0.021313	-2.55576
OR5I1	-0.63708	0.213821	-3.07169	0.006052	0.021313	-2.55589
KLHL20	-0.66019	0.653905	-3.07122	0.006058	0.021331	-2.55688
E2F8	-2.50393	1.294347	-3.07095	0.006062	0.021341	-2.55746
TAS2R38	1.414934	-0.63824	3.100001	0.006552	0.022614	-2.55768
PIP	-0.51134	-0.02015	-3.07943	0.006209	0.021747	-2.55839
DYNLRB1	-0.41546	0.529081	-3.07051	0.006068	0.021357	-2.55839
SMA5	-1.45558	0.89573	-3.07043	0.006069	0.021357	-2.55855
GLRX2	-0.63986	0.179014	-3.07037	0.00607	0.021357	-2.55869
GYLTL1B	1.087973	-0.3269	3.069938	0.006076	0.021374	-2.5596
RNF144B	-1.33801	0.314764	-3.06941	0.006083	0.02139	-2.56072
ZNF512	-0.59584	0.319796	-3.06936	0.006084	0.02139	-2.56081
VEPH1	1.128931	-0.32998	3.066878	0.007032	0.023851	-2.56168
GADD45G	-1.02276	0.610493	-3.06866	0.006094	0.02142	-2.5623
RNF175	0.786052	-0.49731	3.068157	0.0061	0.021441	-2.56337
STON1-GTI	-0.816	0.272148	-3.07677	0.006246	0.02184	-2.56394
INTU	-1.17149	0.254782	-3.0751	0.006269	0.02191	-2.56741
SNAI2	-0.47611	0.037808	-3.06591	0.006131	0.021538	-2.56811
FXR2	-0.9118	1.010345	-3.06584	0.006132	0.021538	-2.56827
DYRK4	-0.77019	0.463697	-3.06583	0.006133	0.021538	-2.56829

LOC100506	-0.88985	0.139461	-3.06553	0.006137	0.021549	-2.56893
LINC00302	-0.80397	0.134678	-3.06476	0.006147	0.021579	-2.57055
SAMD8	-0.96743	0.223492	-3.06465	0.006149	0.02158	-2.57078
Mar-07	-1.1776	0.410026	-3.06445	0.006152	0.021585	-2.57121
SNTB1	-0.91431	0.637419	-3.0644	0.006152	0.021585	-2.57132
GOLGA8A	-0.87734	0.461217	-3.06336	0.006167	0.021631	-2.57351
ANXA2P3	0.356462	-0.07507	3.063052	0.006171	0.021643	-2.57417
PRL	-1.63773	1.425343	-3.0627	0.006176	0.02165	-2.57491
RALGPS2	-0.95471	0.637982	-3.06268	0.006176	0.02165	-2.57496
MAL	1.615215	-1.05086	3.062655	0.006177	0.02165	-2.57501
FHL1	1.152411	-0.28556	3.062505	0.006179	0.02165	-2.57532
SOCS4	-1.50876	0.483545	-3.0625	0.006179	0.02165	-2.57533
C11orf41	1.154562	-0.74948	3.067291	0.00789	0.02596	-2.57557
LOC100507	-0.7941	0.522688	-3.06927	0.00635	0.022121	-2.57956
RBM47	-1.02759	0.759004	-3.06037	0.006209	0.021747	-2.57985
DNTTIP1	-0.7159	0.286964	-3.06013	0.006212	0.021755	-2.58034
LFNG	1.00252	-0.50519	3.06001	0.006214	0.021757	-2.5806
COLEC10	-0.5347	0.226255	-3.07786	0.006528	0.022544	-2.58146
SSBP3	0.797241	0.041039	3.059217	0.006225	0.021792	-2.58228
OVOL2	-0.59045	0.045954	-3.0588	0.006231	0.021805	-2.58315
GABBR1	-0.97219	0.523412	-3.0588	0.006231	0.021805	-2.58316
PCDH8	-1.43328	0.262775	-3.05821	0.006239	0.02183	-2.58441
NUP214	0.444652	-0.28949	3.058039	0.006241	0.021834	-2.58477
PBX2	-0.66641	0.608293	-3.05789	0.006243	0.021838	-2.58507
HSD11B1	-1.25431	0.203377	-3.07594	0.006556	0.022623	-2.58541
XPO7	0.593487	-0.25011	3.057678	0.006246	0.02184	-2.58553
RDH12	-0.51341	0.178283	-3.06639	0.006391	0.022227	-2.58556
NAGS	-0.54337	0.449264	-3.05629	0.006266	0.021905	-2.58846
NLRP6	-1.07938	1.289833	-3.056	0.00627	0.021912	-2.58908
DEF8	-0.80337	0.696473	-3.05536	0.006279	0.021936	-2.59043
PADI4	-1.53679	1.139408	-3.05534	0.006279	0.021936	-2.59046
GUSB	-0.63012	0.311704	-3.05479	0.006287	0.02196	-2.59164
SSTR2	-1.13761	0.194251	-3.05471	0.006288	0.02196	-2.5918
CHMP5	-1.6191	0.418671	-3.05392	0.0063	0.021995	-2.59347
FAM165B	-0.81657	0.376561	-3.05384	0.006301	0.021995	-2.59365
C17orf105	-0.36841	-0.05456	-3.07172	0.006616	0.022798	-2.59405
LOC100657	0.741184	-0.79844	3.05354	0.006305	0.022006	-2.59427
MON2	-1.16709	0.54381	-3.0526	0.006318	0.022049	-2.59627
MRPL2	0.582713	-0.22682	3.051354	0.006336	0.022103	-2.59889
TCIRG1	-0.52488	0.306157	-3.05083	0.006344	0.02212	-2.59999
KCNK13	-0.61104	0.319632	-3.05076	0.006345	0.02212	-2.60014
PLEKHB1	1.208834	-0.30681	3.050521	0.006348	0.022121	-2.60065
C6orf81	-1.66861	0.837651	-3.05042	0.00635	0.022121	-2.60087
COQ5	-0.88398	0.213333	-3.0504	0.00635	0.022121	-2.60091
TRA2A	-1.08092	1.023515	-3.05039	0.00635	0.022121	-2.60093
FCGBP	1.556858	-0.77515	3.050162	0.006353	0.022127	-2.60141
LOC100508	0.685831	-0.76663	3.049931	0.006357	0.022134	-2.6019

RNASEL	-1.27695	0.727479	-3.04907	0.006369	0.022173	-2.60371
SH3PXD2B	-1.31642	0.681835	-3.04894	0.006371	0.022176	-2.60399
ARL13B	-1.50238	0.382278	-3.0488	0.006373	0.022179	-2.60429
LOC100501	-0.91402	0.083177	-3.04853	0.006377	0.022189	-2.60485
E2F5	-0.92434	0.620062	-3.04835	0.006379	0.022194	-2.60524
TMEM5	-0.5698	0.145924	-3.04818	0.006382	0.022198	-2.60559
LARP7	-1.15227	0.690372	-3.04715	0.006396	0.022238	-2.60776
S100A12	-1.94308	0.629804	-3.04714	0.006397	0.022238	-2.60778
LOC439990	-0.6873	0.076447	-3.04658	0.006405	0.022263	-2.60898
LOC100121	-1.26297	0.809774	-3.04648	0.006406	0.022264	-2.60917
PLGLB1	-0.67333	0.474771	-3.04636	0.006408	0.022266	-2.60944
FNDC3B	-1.30513	0.755275	-3.04624	0.00641	0.022268	-2.60968
LINC00176	1.01576	-0.45705	3.045866	0.006415	0.022283	-2.61048
FAM63A	-1.06008	1.152401	-3.04567	0.006418	0.022289	-2.61089
RBPMS2	1.611308	-0.31059	3.045234	0.006424	0.022307	-2.61181
NUDCD1	-0.74803	0.149606	-3.04492	0.006429	0.022319	-2.61248
CRH	-1.06683	0.395709	-3.05329	0.006579	0.022693	-2.61282
THAP5	-1.51901	0.375149	-3.04465	0.006433	0.022328	-2.61305
FABP7	1.363684	-0.64869	3.058566	0.007158	0.024156	-2.61425
SKP2	-0.69359	0.181707	-3.04374	0.006446	0.02237	-2.61496
ZNF365	1.01815	-0.76604	3.309061	0.013328	0.038797	-2.61574
WDR52	-1.06995	0.36826	-3.04324	0.006453	0.022391	-2.61602
ZNF780B	-0.86539	0.364742	-3.0428	0.00646	0.02241	-2.61696
MT1JP	0.748742	-0.43934	3.042579	0.006463	0.022417	-2.61742
NFAM1	-0.91253	0.51853	-3.04243	0.006465	0.022417	-2.61773
TNFRSF1B	-0.69928	0.602784	-3.04241	0.006465	0.022417	-2.61777
YIPF6	-0.71527	0.005613	-3.04221	0.006468	0.022424	-2.6182
ZDHHC17	-1.27116	0.492666	-3.04207	0.00647	0.022426	-2.61848
CYP21A2	0.456002	-0.18322	3.041926	0.006472	0.02243	-2.61879
PRPF6	0.552141	-0.21131	3.041708	0.006475	0.022437	-2.61925
PAGE5	1.345175	-0.65966	3.082279	0.008191	0.026745	-2.62019
MT3	1.005883	-0.44189	3.040918	0.006487	0.022473	-2.62092
FRG2	-0.46008	0.111936	-3.04071	0.00649	0.022479	-2.62135
LOC100121	-0.58397	0.401137	-3.04038	0.006495	0.022485	-2.62206
FAM40A	-0.44348	0.417854	-3.04036	0.006495	0.022485	-2.6221
PSMD14	-0.72299	0.155108	-3.04022	0.006497	0.022488	-2.62239
NOTCH4	-0.70139	0.433553	-3.04012	0.006499	0.02249	-2.62261
LOC100131	-0.7705	0.542688	-3.03959	0.006506	0.022512	-2.62373
MLLT1	-1.07042	0.705889	-3.03942	0.006509	0.022517	-2.62408
GCC2	-0.67477	0.325293	-3.03926	0.006511	0.022521	-2.62442
SLC16A6	-0.96148	0.595119	-3.03911	0.006513	0.022524	-2.62473
TOM1L1	0.59739	-0.18109	3.039055	0.006514	0.022524	-2.62485
NSFL1C	-0.83852	0.518892	-3.03873	0.006519	0.022533	-2.62554
SNED1	0.663687	-0.20445	3.038652	0.00652	0.022533	-2.6257
PITPNB	-0.59171	0.199596	-3.03863	0.006521	0.022533	-2.62575
TRO	0.80433	-0.20581	3.038458	0.006523	0.022538	-2.62611
ENDOG	0.76723	-0.18328	3.038239	0.006526	0.022544	-2.62657

SAMD1	-0.99773	1.33935	-3.0381	0.006528	0.022544	-2.62686
OR10J3	0.773933	-0.43816	3.03775	0.006533	0.022558	-2.6276
PRNT	-0.86016	0.173205	-3.03662	0.00655	0.022612	-2.62999
C4orf36	-0.71292	0.039165	-3.04488	0.006703	0.023006	-2.63031
PCDHGA5	1.27826	-0.72172	3.039301	0.0071	0.02401	-2.63084
HCN3	-0.53164	0.101793	-3.05346	0.006885	0.023501	-2.63144
CFL1P1	-0.59089	0.325278	-3.03532	0.006569	0.022666	-2.63273
IQCF4	0.979921	-0.40544	3.034966	0.006575	0.02268	-2.63347
ZNF629	0.661133	-0.32478	3.034464	0.006582	0.022698	-2.63453
CPEB3	0.982665	-0.14816	3.033675	0.006594	0.022734	-2.63619
APCDD1	-1.42622	0.677429	-3.03253	0.006611	0.022789	-2.63861
NAT8B	1.055486	-0.17527	3.032149	0.006616	0.022798	-2.63941
CDKN3	-1.19408	0.394866	-3.03208	0.006617	0.022798	-2.63956
HNF1A	0.62747	-0.54669	3.03203	0.006618	0.022798	-2.63966
BCL2L11	-0.60695	0.42374	-3.03189	0.00662	0.022801	-2.63995
ZNF174	-0.71085	0.599661	-3.03179	0.006622	0.022802	-2.64016
TXN	-1.02318	0.575096	-3.03136	0.006628	0.02282	-2.64108
FLJ25758	-0.89153	0.2776	-3.0313	0.006629	0.02282	-2.64119
PEBP1	0.938314	-0.48708	3.03083	0.006636	0.02284	-2.64219
SNX19	-0.75663	0.346438	-3.03063	0.006639	0.022846	-2.64262
TCF4	-0.52615	0.741937	-3.03023	0.006645	0.022863	-2.64345
KLHL23	-0.63364	0.230705	-3.03015	0.006646	0.022863	-2.64363
NOTCH2	0.8303	-0.7481	3.029246	0.00666	0.022903	-2.64553
SFTA1P	-0.3897	0.118226	-3.02922	0.00666	0.022903	-2.64558
VN1R5	-0.6457	0.165681	-3.02855	0.00667	0.022931	-2.647
MLST8	-0.5947	0.677811	-3.02852	0.006671	0.022931	-2.64707
ZNF311	0.901946	-0.03815	3.02811	0.006677	0.022948	-2.64792
MAD2L1	-1.45081	0.479309	-3.03076	0.007233	0.024359	-2.64822
CCDC87	1.138489	-0.07239	3.027926	0.00668	0.022949	-2.64831
ABCA2	-0.87147	0.932105	-3.02755	0.006685	0.022965	-2.6491
P2RX5	-0.78803	0.785071	-3.02739	0.006688	0.022969	-2.64943
SNRPC	0.868745	-0.14016	3.027213	0.00669	0.022974	-2.64981
PCMT1	-1.54978	0.659867	-3.02664	0.006699	0.022999	-2.65101
DR1	-1.10394	0.72345	-3.02658	0.0067	0.022999	-2.65114
LOC344887	-1.48981	0.828678	-3.02582	0.006711	0.02303	-2.65274
CDC25A	-1.05071	0.745507	-3.02497	0.006724	0.02307	-2.65454
MFSD4	0.749266	-0.44435	3.024846	0.006726	0.023073	-2.65479
IL6	0.584281	-0.36869	3.024104	0.006737	0.023107	-2.65636
MEN1	-0.75661	0.825444	-3.02365	0.006744	0.023127	-2.65732
SENP1	-0.56793	0.070077	-3.02321	0.006751	0.023145	-2.65823
IFI35	-0.99508	0.586715	-3.02288	0.006756	0.023159	-2.65893
ABHD12	-0.74874	0.861164	-3.02264	0.00676	0.023167	-2.65944
HPS5	-0.61095	0.351204	-3.02217	0.006767	0.023185	-2.66043
CLDN19	0.6689	-0.41755	3.022141	0.006767	0.023185	-2.66049
SOS2	-1.1453	0.54508	-3.02177	0.006773	0.023199	-2.66127
HEATR5A	1.075792	-0.30991	3.021662	0.006774	0.023199	-2.6615
TSPYL4	-0.4957	0.115371	-3.02164	0.006775	0.023199	-2.66154

C9orf91	0.908779	-0.39571	3.021057	0.006784	0.023225	-2.66277
FTSJ1	-0.60693	0.650711	-3.02007	0.006799	0.023273	-2.66484
CC2D1A	-0.88505	0.942932	-3.01968	0.006805	0.023289	-2.66566
HIBCH	-0.41284	0.350088	-3.01961	0.006806	0.023289	-2.66582
RCC1	-0.90727	1.013006	-3.01948	0.006808	0.023292	-2.66609
C8orf73	-1.25392	0.62739	-3.01925	0.006811	0.023299	-2.66657
FAM200A	-1.04608	0.383003	-3.01887	0.006817	0.023316	-2.66738
RAB35	-0.52737	0.37666	-3.01791	0.006832	0.023362	-2.66939
UQCC	-0.6472	0.522529	-3.01777	0.006834	0.023365	-2.66969
C6orf105	1.163744	-0.47596	3.042254	0.007823	0.025795	-2.67031
ACAP1	-0.85858	0.590472	-3.01701	0.006846	0.023401	-2.6713
RSBN1	-1.09146	0.586648	-3.01628	0.006857	0.023436	-2.67283
GDA	1.368775	-0.43864	3.037949	0.008375	0.027217	-2.67292
PANK3	-1.10446	0.237233	-3.01616	0.006859	0.023437	-2.67307
SH3PXD2A	-1.17335	0.452482	-3.01593	0.006862	0.023445	-2.67355
AP2S1	0.564825	-0.47584	3.014986	0.006877	0.023491	-2.67554
KAAG1	0.645363	-0.50254	3.031746	0.007217	0.024332	-2.6758
SSPN	0.74979	-0.34604	3.007513	0.007281	0.024472	-2.67591
OSBP2	1.838657	-0.30592	3.014691	0.006881	0.023498	-2.67617
LEAP2	-0.62168	0.351925	-3.01466	0.006882	0.023498	-2.67622
RTN2	-0.8412	0.759998	-3.01463	0.006883	0.023498	-2.6763
ARHGAP5	-0.9623	0.092309	-3.00718	0.007286	0.024481	-2.67659
COL2A1	-0.9464	0.261019	-3.01421	0.006889	0.023508	-2.67717
RAB2A	-1.13048	0.406007	-3.0142	0.006889	0.023508	-2.6772
ZP1	1.138646	-0.45782	3.006858	0.007292	0.02449	-2.67727
FLJ43663	-0.58496	0.449872	-3.01381	0.006895	0.023523	-2.67802
TTF2	-0.78005	0.463308	-3.01378	0.006896	0.023523	-2.67809
JAKMIP3	-1.10969	0.261216	-3.01366	0.006897	0.023524	-2.67833
PDLIM5	-0.74333	0.520394	-3.01347	0.0069	0.02353	-2.67873
PPEF2	-1.04159	0.364753	-3.00607	0.007304	0.02452	-2.67889
CDK1	-1.44484	0.623729	-3.01308	0.006906	0.023545	-2.67955
PEX5	-0.69274	0.515681	-3.01304	0.006907	0.023545	-2.67963
EIF4A1	-0.50007	0.496451	-3.01268	0.006913	0.02356	-2.68038
PCDHAC1	0.94155	-0.35266	3.020691	0.007072	0.023945	-2.68052
LOC100510	0.998839	-0.10286	3.012425	0.006917	0.023569	-2.68093
DUX3	-0.86951	0.217213	-3.01187	0.006925	0.023595	-2.6821
ARHGEF17	-0.66963	0.266471	-3.01177	0.006927	0.023596	-2.6823
C5orf30	-0.87491	0.148146	-3.01961	0.007089	0.02399	-2.68277
HIVEP2	0.736308	-0.42304	3.010715	0.006943	0.023648	-2.68453
UGT2B17	1.788796	-0.55505	2.998581	0.009664	0.030293	-2.68466
CSF2RB	-1.00166	0.653089	-3.01061	0.006945	0.02365	-2.68476
NAA16	-0.38841	0.245581	-3.01033	0.006949	0.02366	-2.68534
MAPK3	-0.77042	0.641079	-3.0102	0.006951	0.023663	-2.68562
LOC100286	-0.51147	0.22344	-3.00958	0.006961	0.023688	-2.68691
AGAP10	0.60525	-0.55869	3.009436	0.006963	0.023688	-2.68722
CREM	-0.76029	0.602125	-3.00942	0.006963	0.023688	-2.68724
WDR5	-0.54022	0.589092	-3.0093	0.006965	0.02369	-2.6875

POLR2J2	0.562555	-0.94892	3.009122	0.006968	0.023696	-2.68788
PVALB	1.679628	-0.49557	3.008298	0.006981	0.023736	-2.68961
MARVELD1	1.037602	-0.37736	3.008156	0.006983	0.023739	-2.6899
ZNF34	-0.69963	0.641318	-3.00762	0.006992	0.023763	-2.69102
PHACTR4	-0.57765	0.501743	-3.00755	0.006993	0.023763	-2.69118
PTBP3	-0.87021	0.841446	-3.0072	0.006998	0.023778	-2.69191
PDZD7	0.55011	-0.85083	3.007096	0.007	0.023779	-2.69213
CD6	1.417004	-0.57256	3.006081	0.007016	0.023827	-2.69427
FAM120B	-0.97319	0.631151	-3.00599	0.007017	0.023827	-2.69445
ACP5	0.656587	-0.20223	3.005971	0.007018	0.023827	-2.6945
TNFRSF11A	0.707755	-0.23658	3.005839	0.00702	0.023827	-2.69477
MME	1.638334	0.209538	3.00581	0.00702	0.023827	-2.69483
LOC646938	0.482119	-0.37751	3.005742	0.007021	0.023827	-2.69498
NFATC4	0.634259	-0.36514	3.005622	0.007023	0.023829	-2.69523
RND3	-0.79373	0.327045	-3.00555	0.007024	0.023829	-2.69538
CRISP2	1.973794	-0.57771	2.998827	0.008129	0.026568	-2.69711
COL1A1	0.514008	-0.16042	3.004708	0.007038	0.023866	-2.69715
ZBTB40	0.49089	-0.27405	3.004624	0.007039	0.023866	-2.69733
MLLT11	0.836643	-0.43825	3.004431	0.007042	0.023872	-2.69773
PITHD1	1.195384	-0.36871	3.006076	0.007631	0.025322	-2.6984
TAF2	-0.75431	0.265496	-3.00398	0.007049	0.023892	-2.69867
SLC35A2	-0.39913	0.410927	-3.00383	0.007052	0.023896	-2.699
PCDH11X	-0.83308	0.16517	-3.00366	0.007054	0.023901	-2.69935
OLFM4	-3.39342	1.81793	-2.99609	0.007467	0.024934	-2.69948
HAO1	0.855289	-0.49721	3.003433	0.007058	0.023909	-2.69983
UCP2	-1.02293	1.356268	-3.0029	0.007066	0.023934	-2.70095
PILRA	-0.94875	0.843152	-3.00269	0.00707	0.023941	-2.70138
MAP3K11	-0.69269	0.667671	-3.00228	0.007076	0.023955	-2.70226
CNOT3	-0.5561	0.756058	-3.0015	0.007089	0.02399	-2.70388
PTCHD1	-0.55097	0.119979	-3.00133	0.007091	0.023994	-2.70425
SPSB3	-0.66076	0.53693	-3.00124	0.007093	0.023994	-2.70443
C20orf30	-0.60599	0.084291	-3.00093	0.007098	0.024007	-2.70508
ZNF414	-0.58143	0.533959	-3.00067	0.007102	0.024013	-2.70564
LYVE1	1.175535	-0.35204	3.000402	0.007106	0.024023	-2.70619
ZNF230	-1.2595	0.958328	-3.00817	0.007271	0.024453	-2.70647
SFXN5	-0.74279	0.431209	-3.00023	0.007109	0.024026	-2.70655
DPP6	0.787091	-0.25819	3.000183	0.00711	0.024026	-2.70665
CYLC2	0.720021	-0.27131	2.991988	0.007535	0.025101	-2.70793
RTN4RL2	0.472202	-0.18866	2.999189	0.007125	0.024076	-2.70874
GYS1	-0.60578	0.42494	-2.99894	0.007129	0.024084	-2.70927
SASH1	0.680166	-0.14687	2.998882	0.00713	0.024084	-2.70939
CDHR4	0.690252	-0.5838	2.991213	0.007548	0.025123	-2.70953
ITGAE	-1.00956	0.50811	-3.00659	0.007296	0.0245	-2.70973
CA13	0.649781	-0.16993	2.9981	0.007143	0.024121	-2.71103
QSOX1	-1.05237	0.422824	-2.99805	0.007144	0.024121	-2.71113
MYH2	1.164085	-0.62842	2.990376	0.007562	0.025153	-2.71125
CBX5	-0.81906	0.80773	-2.9979	0.007146	0.024125	-2.71145

ATAD2B	-0.71233	-0.01768	-2.99771	0.007149	0.024131	-2.71186
MYOF	-1.52628	0.673479	-2.99646	0.007169	0.024191	-2.71447
LOC10050!	-0.45481	0.114247	-3.01199	0.007534	0.025101	-2.71608
BCR	-0.63828	0.57478	-2.99524	0.007189	0.024253	-2.71703
LOC10050!	-0.86973	0.028063	-3.00282	0.007357	0.02468	-2.71754
JAZF1	0.705747	-0.17085	3.010615	0.007556	0.025142	-2.71888
BRSK1	0.550727	-0.33526	2.986469	0.007628	0.02532	-2.7193
C17orf42	-1.05172	-0.02271	-2.99389	0.007211	0.024322	-2.71985
DCLK1	-0.70985	0.080696	-2.99358	0.007216	0.024332	-2.72051
MPHOSPH!	-0.7508	0.424996	-2.99341	0.007218	0.024332	-2.72086
DHRS3	1.339569	-0.52785	2.993396	0.007219	0.024332	-2.7209
ATP5G3	-0.90025	0.226406	-2.99289	0.007227	0.024356	-2.72196
C18orf32	0.810679	-0.25358	2.992671	0.00723	0.024359	-2.72242
TMEM30A	-1.50933	0.294071	-2.99252	0.007233	0.024359	-2.72274
SLC35A1	-1.07937	0.13003	-2.99252	0.007233	0.024359	-2.72274
PCNXL2	0.572557	-0.14232	2.992137	0.007239	0.024374	-2.72354
RBPJ	-1.2479	0.799809	-2.9921	0.00724	0.024374	-2.72361
GBP6	0.615254	-0.97111	2.991371	0.007252	0.02441	-2.72515
BEND4	-0.60555	0.159104	-2.99111	0.007256	0.02442	-2.72568
ESD	-0.95817	0.6072	-2.99073	0.007262	0.024437	-2.7265
CXorf59	0.898306	-0.41604	2.990533	0.007265	0.024443	-2.7269
RAN	-0.65701	0.363367	-2.99026	0.00727	0.024453	-2.72748
TMPRSS11	-0.80864	0.087562	-2.99008	0.007273	0.024455	-2.72784
FAM101B	-0.92269	0.855203	-2.98967	0.007279	0.024472	-2.72872
LRR37BP!	-0.51565	0.256582	-2.98955	0.007281	0.024472	-2.72897
UBQLN1	-1.14224	0.181516	-2.98944	0.007283	0.024474	-2.72919
ZCCHC3	-0.43281	0.107157	-2.98898	0.007291	0.02449	-2.73016
NR3C1	-0.65829	0.242381	-2.98832	0.007301	0.024514	-2.73154
KRT6C	0.796341	-0.74723	2.984549	0.009333	0.029544	-2.7323
1/2-SBSRN	0.606664	-0.48658	2.987731	0.007311	0.024538	-2.73278
ZZEF1	-0.54149	0.397109	-2.9872	0.00732	0.024563	-2.73389
TUBB4B	-0.52996	0.651141	-2.98567	0.007345	0.024644	-2.73711
MCAT	-0.44836	0.333645	-2.98485	0.007359	0.02468	-2.73881
ZNF83	-1.21131	0.516582	-2.98583	0.007974	0.026177	-2.73946
WT1-AS	0.477228	-0.56487	3.029216	0.008524	0.027576	-2.73965
LMNB1	-1.0444	0.501648	-2.98441	0.007366	0.0247	-2.73973
RIMBP3	0.689821	0.008993	2.98411	0.007371	0.024713	-2.74037
INSL5	0.990807	-0.67707	3.018525	0.008712	0.028047	-2.74049
SLC22A15	-0.90328	0.354138	-2.984	0.007373	0.024715	-2.74059
SREBF2	-1.05096	0.846538	-2.9834	0.007383	0.024744	-2.74186
TSHZ3	-1.66636	0.730992	-2.98325	0.007385	0.024747	-2.74217
ZNF271	-0.69523	0.511526	-2.98319	0.007386	0.024747	-2.7423
CNKSR2	0.784488	-0.32142	2.975671	0.008539	0.027608	-2.743
ZNF570	-0.45475	0.228073	-2.9826	0.007396	0.02477	-2.74353
GUCA2A	0.566097	-0.23472	2.982539	0.007397	0.02477	-2.74366
ASB13	0.902456	-0.56104	2.982476	0.007398	0.02477	-2.74379
MYL7	0.48458	-0.22134	2.982473	0.007398	0.02477	-2.7438

NROB1	-0.85821	0.089605	-2.98191	0.007407	0.024797	-2.74498
BSPRY	0.695276	0.02953	2.981787	0.007409	0.0248	-2.74524
CSE1L	0.657218	-0.62504	2.981305	0.007417	0.024822	-2.74625
LRRC38	-0.96187	0.392974	-2.98118	0.007419	0.024825	-2.74651
RNU12	1.056914	-0.4479	2.981047	0.007422	0.024825	-2.74679
MLL2	0.320189	-0.24868	2.981023	0.007422	0.024825	-2.74684
LOC10027:	0.412283	-0.19521	2.99678	0.007787	0.025698	-2.74703
ZNF385D	1.056795	-0.1053	2.996279	0.007795	0.025717	-2.74805
RAET1E	-0.80751	0.036649	-2.98008	0.007438	0.024871	-2.74881
IFNGR2	-0.97408	0.589577	-2.98004	0.007438	0.024871	-2.74889
LOC10013:	0.438122	-0.38252	2.979936	0.00744	0.024872	-2.74911
C2orf72	0.561026	-0.39174	2.979835	0.007442	0.024872	-2.74933
RDH8	0.478533	-0.15349	2.979807	0.007442	0.024872	-2.74939
TNPO2	-0.55369	0.368561	-2.9796	0.007446	0.024879	-2.74981
KCNMB3	-1.12118	0.893215	-2.97947	0.007448	0.024882	-2.75009
LOC44242:	-0.3638	0.57015	-2.97895	0.007457	0.024907	-2.75118
TGM2	0.754783	0.084177	2.978549	0.007463	0.024925	-2.75202
WTAP	-0.64332	0.30778	-2.97799	0.007473	0.024947	-2.75318
SERPINB6	-0.64228	0.418363	-2.97792	0.007474	0.024947	-2.75333
BCL2L1	1.170202	-0.06149	2.977571	0.00748	0.024963	-2.75407
USP34	-0.5967	0.289299	-2.9769	0.007491	0.024996	-2.75548
ZNF684	-1.23774	0.74528	-2.9843	0.007664	0.025393	-2.75581
KBTBD2	-0.96165	0.411372	-2.97647	0.007498	0.025016	-2.75638
ANXA1	-1.34498	0.051231	-2.97607	0.007505	0.025034	-2.75721
TUBB3	0.458841	-0.1404	2.975684	0.007511	0.02505	-2.75802
SPDYA	-0.92749	0.303418	-2.97564	0.007512	0.02505	-2.7581
SLC25A13	-0.54351	0.428331	-2.97554	0.007514	0.025051	-2.75832
TBC1D14	-0.93032	0.535418	-2.97482	0.007526	0.025087	-2.75982
CCDC47	-1.12238	0.800286	-2.97459	0.00753	0.025092	-2.7603
IL17RA	-0.91322	0.614924	-2.97458	0.00753	0.025092	-2.76033
C8orf56	0.414781	-0.30266	2.981736	0.007708	0.025498	-2.7611
TSEN54	0.812983	-0.18223	2.974119	0.007538	0.025105	-2.76129
KLB	0.770939	-0.22689	2.973928	0.007541	0.025112	-2.76169
OR5P2	-0.67629	0.100911	-2.97385	0.007542	0.025112	-2.76187
SLC35F1	-0.30441	0.052212	-2.97351	0.007548	0.025123	-2.76256
LOC10050:	-0.48596	0.107799	-2.97327	0.007552	0.025132	-2.76308
CSRP2	-0.8437	0.270285	-2.98077	0.007724	0.02553	-2.76309
KRTAP4-6	0.657983	-0.56183	2.972654	0.007563	0.025153	-2.76436
DHX36	-0.69999	0.003411	-2.97259	0.007564	0.025153	-2.76449
LILRA4	-0.7778	0.600743	-2.97213	0.007571	0.025175	-2.76546
DDX17	-0.72298	0.548381	-2.97192	0.007575	0.025182	-2.76589
ZNF232	-0.74715	0.505743	-2.9716	0.00758	0.025196	-2.76656
ZNRF1	-0.76081	0.538198	-2.97146	0.007583	0.0252	-2.76687
BSC12	-0.59504	0.373973	-2.97081	0.007594	0.025232	-2.76822
DCAF11	-0.41367	0.327765	-2.97057	0.007598	0.02524	-2.76871
PRKAR2A	-1.0143	0.603179	-2.97046	0.0076	0.02524	-2.76896
RANBP17	-0.72868	0.271007	-2.97045	0.0076	0.02524	-2.76897

ZCCHC12	0.654035	-0.21975	2.961179	0.008065	0.026399	-2.7713
MPND	-0.50754	0.400554	-2.96884	0.007627	0.02532	-2.77233
H3F3B	-0.65211	0.42011	-2.96875	0.007629	0.02532	-2.77253
ZNF33B	0.725528	-0.32369	2.968722	0.007629	0.02532	-2.77259
PALM	0.562425	-0.41467	2.96783	0.007645	0.025363	-2.77445
DAPP1	-1.05544	0.541421	-2.96745	0.007651	0.02538	-2.77524
FAM19A1	0.46159	-0.09223	2.967302	0.007654	0.025384	-2.77556
ANAPC7	-1.0908	0.791174	-2.9672	0.007656	0.025386	-2.77578
DMRTB1	0.593079	-0.31634	2.967064	0.007658	0.025389	-2.77606
BTNL8	1.138273	-0.36707	2.974363	0.007834	0.025812	-2.77631
CYP51A1	-0.9016	0.606359	-2.96686	0.007661	0.025392	-2.77647
VPREB1	0.610916	-0.44852	2.966863	0.007661	0.025392	-2.77647
TAAR9	0.589154	-0.15929	2.966772	0.007663	0.025393	-2.77666
OR2T8	1.083617	-0.37033	2.970148	0.009088	0.028967	-2.77709
RBM27	-0.73885	0.77841	-2.96596	0.007677	0.02543	-2.77837
CLSTN1	0.917929	-0.31571	2.965889	0.007678	0.02543	-2.77851
INTS9	0.642383	-0.33477	2.965734	0.007681	0.025435	-2.77884
TMLHE	-1.79649	1.051216	-2.96559	0.007683	0.025438	-2.77913
C13orf27	-0.98839	0.10097	-2.97255	0.007865	0.025888	-2.78005
TP53BP2	-0.70091	0.281679	-2.96515	0.007691	0.025459	-2.78006
PDHB	-0.33391	0.066489	-2.96504	0.007693	0.025461	-2.78029
LAIR2	0.824246	-0.17138	2.964559	0.007701	0.025481	-2.78129
RAB18	-0.97668	0.099667	-2.96455	0.007701	0.025481	-2.78132
MTX3	0.916216	-0.25751	2.955925	0.008159	0.026657	-2.78209
CNN2	-0.91451	0.751957	-2.96407	0.007709	0.0255	-2.78232
NLRP2	-0.68448	0.539299	-2.96385	0.007713	0.025508	-2.78278
TPI1	-0.38313	0.224167	-2.96356	0.007718	0.02552	-2.78339
BBS7	-1.20747	0.50641	-2.96347	0.00772	0.025521	-2.78357
EML4	-0.78927	0.41988	-2.96282	0.007731	0.025549	-2.78493
LOC92249	0.366023	-0.12872	2.961487	0.007754	0.025621	-2.78771
C21orf81	1.493008	-0.71227	2.952806	0.008963	0.028673	-2.78822
TBC1D20	-0.60376	0.450341	-2.9608	0.007766	0.025656	-2.78914
NUS1	-0.81331	0.137425	-2.9605	0.007771	0.025668	-2.78979
LOC339316	1.00713	-0.50132	2.952142	0.008227	0.026834	-2.78985
HIST3H3	-0.73523	0.40891	-2.96046	0.007772	0.025668	-2.78987
FAM116B	0.52434	-0.23235	2.960155	0.007777	0.025681	-2.7905
ODF3	0.596536	-0.3301	2.967369	0.007956	0.026129	-2.79073
DNAJC15	-0.99367	0.452539	-2.95987	0.007782	0.025692	-2.79108
EBF4	0.498174	-0.37485	2.959773	0.007784	0.025694	-2.7913
TIMMDC1	-0.58946	0.126299	-2.95934	0.007792	0.02571	-2.7922
SLC35F3	0.503479	-0.25078	2.965636	0.007986	0.026207	-2.7943
ZMYM6	-0.6128	0.160304	-2.9582	0.007811	0.025767	-2.79457
ZNF180	-0.94317	0.256527	-2.96535	0.007991	0.026214	-2.7949
RABL2A	0.638561	-0.42783	2.95774	0.007819	0.025789	-2.79554
SGIP1	-0.64238	0.237187	-2.95742	0.007825	0.025799	-2.79621
PTPN14	1.096617	-0.43541	2.957311	0.007827	0.025801	-2.79644
LOC389834	-1.28514	0.054346	-2.95706	0.007831	0.025811	-2.79697

ANKRD52	0.980701	-0.16992	2.956904	0.007834	0.025812	-2.79729
DBNL	-0.65962	0.537367	-2.95632	0.007844	0.025841	-2.7985
LOC646576	0.792883	-0.34437	2.963485	0.008024	0.026297	-2.79873
HEXA	-0.7499	0.278494	-2.95596	0.007851	0.025856	-2.79927
CWC27	-0.9934	0.798517	-2.95592	0.007851	0.025856	-2.79935
DTL	-1.17101	0.818543	-2.95584	0.007853	0.025856	-2.79952
FLJ13197	1.067328	-0.43822	2.955527	0.007858	0.02587	-2.80016
C11orf58	-0.71672	0.107174	-2.95368	0.007891	0.02596	-2.80403
FRYL	-0.69137	0.802088	-2.95367	0.007891	0.02596	-2.80405
CFP	0.598434	-0.30092	2.953143	0.0079	0.025986	-2.80514
OR8G2	0.570214	-0.36323	2.953342	0.008555	0.027655	-2.80516
MYH7	0.964662	-0.72524	2.955609	0.009367	0.029645	-2.80528
RSRC1	-1.27127	0.518661	-2.95251	0.007912	0.026016	-2.80646
STXBP2	-0.91391	0.67201	-2.95247	0.007912	0.026016	-2.80654
NOL4	-0.6625	0.086727	-2.95229	0.007915	0.026022	-2.80691
SPAM1	0.783451	-0.25731	2.952378	0.008572	0.027699	-2.8071
DCLRE1C	-1.05101	0.766888	-2.95215	0.007918	0.026026	-2.80721
PNPLA8	0.652659	-0.2763	2.952064	0.007919	0.026027	-2.80739
ANKAR	-0.78318	0.534762	-2.95183	0.007924	0.026036	-2.80788
SHPK	0.48741	-0.27408	2.951654	0.007927	0.026042	-2.80825
TMCO1	-1.25207	0.023406	-2.95126	0.007934	0.026061	-2.80907
METTL5	-0.77336	0.258235	-2.94919	0.00797	0.026173	-2.81339
C8orf46	0.869134	-0.45904	2.948971	0.007974	0.026177	-2.81385
DNM2	-0.5149	0.425666	-2.94873	0.007979	0.026187	-2.81435
MORF4L2	-0.6764	0.375328	-2.94821	0.007988	0.026209	-2.81545
FAM120A	-1.03183	0.884162	-2.94791	0.007993	0.026214	-2.81606
MFAP3	-1.26762	0.772188	-2.94789	0.007994	0.026214	-2.8161
LOC100653	-0.4676	0.467064	-2.94732	0.008004	0.026243	-2.81729
DEPDC1B	-0.68535	0.064867	-2.94676	0.008014	0.026272	-2.81846
CHIC1	0.826308	-0.39107	2.938132	0.008485	0.027474	-2.81856
SCN5A	-0.76347	0.077623	-2.95339	0.008204	0.026779	-2.81951
C1orf115	0.619883	-0.21738	2.946182	0.008024	0.026297	-2.81967
MTIF2	-1.13321	0.681496	-2.94568	0.008033	0.026321	-2.82071
IGSF6	-1.1507	0.406095	-2.94562	0.008034	0.026321	-2.82083
MAPT	0.552336	-0.29588	2.945187	0.008042	0.026338	-2.82174
RPRD1B	0.606043	-0.46652	2.945184	0.008042	0.026338	-2.82175
CABLES2	-0.54593	0.350667	-2.94432	0.008058	0.026384	-2.82355
RPL38	1.190304	-0.77556	2.944085	0.008062	0.026394	-2.82404
C5orf34	0.772077	-0.24924	2.951101	0.008246	0.026879	-2.82422
CTNND2	0.638175	-0.64949	2.94355	0.008072	0.026417	-2.82516
LRRC42	-0.35147	0.147124	-2.94316	0.008079	0.026435	-2.82597
NOL7	-0.58065	0.34122	-2.94304	0.008081	0.026437	-2.82622
CCDC90B	-1.09463	0.632625	-2.94297	0.008082	0.026437	-2.82636
C14orf159	0.633922	-0.15947	2.94258	0.008089	0.026456	-2.82718
ERCC1	0.708444	-0.2692	2.941592	0.008107	0.02651	-2.82924
HDLBP	0.510067	-0.05723	2.941263	0.008113	0.026526	-2.82993
FBLN1	-0.52609	0.158073	-2.93907	0.008153	0.026643	-2.8345

ZNF28	-1.09871	0.326489	-2.9456	0.008346	0.027143	-2.83553
PPT2	0.929446	-0.26143	2.938465	0.008164	0.02667	-2.83576
FBXO31	-0.70326	0.131292	-2.93804	0.008172	0.026691	-2.83664
PCDH12	0.753126	-0.21074	2.917714	0.009239	0.029321	-2.83766
C16orf13	0.668209	-0.1752	2.937011	0.008191	0.026745	-2.83879
OTUB1	-0.35688	0.187996	-2.93636	0.008202	0.026778	-2.84014
KDEL2	-0.67702	0.486102	-2.93616	0.008206	0.026779	-2.84056
FBXO11	-0.71382	0.615446	-2.93612	0.008207	0.026779	-2.84065
SHC1	-0.48411	0.370148	-2.93593	0.00821	0.026785	-2.84103
CCL8	0.956726	-0.21511	2.934942	0.008228	0.026834	-2.8431
HIF1A	-0.86085	0.276929	-2.93486	0.00823	0.026834	-2.84326
TLL5	0.478714	-0.4598	2.934816	0.008231	0.026834	-2.84336
UBE4A	-0.68236	0.063339	-2.93384	0.008249	0.026884	-2.84539
PCCB	-0.43477	0.329826	-2.93351	0.008255	0.026899	-2.84607
FLJ33996	1.039576	-0.28145	2.933319	0.008258	0.026906	-2.84648
KIF20A	-1.11354	0.873111	-2.93278	0.008268	0.026935	-2.84761
C12orf37	0.532544	-0.22528	2.939562	0.008458	0.02742	-2.84794
TIGD1	0.837094	-0.51212	2.932082	0.008281	0.026972	-2.84905
PDIA2	0.937486	-0.17439	2.909277	0.010311	0.031862	-2.84919
GNPNT1	0.801156	-0.55688	2.931964	0.008283	0.026974	-2.8493
PML	-0.8831	0.844171	-2.93167	0.008289	0.026988	-2.84992
PPL	0.673138	-0.48994	2.931126	0.008299	0.027016	-2.85104
POMT1	-0.50418	0.31078	-2.93097	0.008302	0.027021	-2.85138
OXTR	0.7419	0.001324	2.930807	0.008305	0.027026	-2.85171
C19orf18	0.903176	-0.32858	2.921386	0.008803	0.028293	-2.85282
TNFRSF19	1.234533	-0.5655	2.929199	0.008335	0.027119	-2.85505
SF3B14	-0.93504	0.17029	-2.92895	0.008339	0.02713	-2.85557
RAB31	-1.17599	0.739427	-2.92871	0.008344	0.02714	-2.85607
NOA1	0.475171	-0.31173	2.928104	0.008355	0.027167	-2.85733
UBXN4	-1.33258	0.612517	-2.92727	0.008371	0.027213	-2.85906
JAG2	-0.6361	0.445025	-2.92709	0.008374	0.027217	-2.85944
SC5DL	-1.23359	0.377072	-2.92697	0.008376	0.027218	-2.8597
SCPEP1	-1.07044	0.127652	-2.92609	0.008393	0.027267	-2.86152
UBTD2	-0.69963	0.505062	-2.92595	0.008396	0.027272	-2.86182
SMARCA1	-0.56151	0.531904	-2.92564	0.008401	0.027285	-2.86245
CDH13	-1.08716	0.461264	-2.9255	0.008404	0.02729	-2.86276
FLJ21369	-0.75761	0.362685	-2.92503	0.008413	0.027311	-2.86373
TNKS1BP1	0.707897	-0.17915	2.924997	0.008413	0.027311	-2.8638
ZNF812	-0.82274	0.441448	-2.92455	0.008422	0.027334	-2.86473
CDK5R2	0.634658	-0.45796	2.924235	0.008428	0.027349	-2.86538
AIPL1	-0.6449	-0.03045	-2.92384	0.008435	0.027368	-2.8662
NKIRAS1	-1.51735	0.585526	-2.92341	0.008443	0.02739	-2.8671
GGA1	-1.59755	0.800199	-2.92332	0.008445	0.027391	-2.86729
CXCL17	-0.50091	-0.01084	-2.92303	0.00845	0.027404	-2.8679
MBOAT1	-0.9558	0.289777	-2.92293	0.008452	0.027406	-2.86809
CTGF	1.860112	-1.14162	2.927022	0.011129	0.033809	-2.86852
METTL19	0.405748	0.01283	2.921793	0.008474	0.027461	-2.87046

CASP2	-1.55594	1.707627	-2.92176	0.008474	0.027461	-2.87052
CEP63	-0.65637	0.65601	-2.92172	0.008475	0.027461	-2.8706
GCFC1-AS1	-1.16952	0.251044	-2.92157	0.008478	0.027466	-2.87092
GIT1	-0.69454	1.020277	-2.92139	0.008481	0.027473	-2.8713
KRT83	-0.62492	0.130291	-2.9213	0.008483	0.027474	-2.87149
ABCA12	-0.83567	-0.09149	-2.91224	0.008981	0.028703	-2.8715
C17orf66	0.61582	-0.10838	2.927849	0.008679	0.027959	-2.87198
FLNB	-1.15161	0.741384	-2.92053	0.008498	0.027512	-2.87309
SOAT2	0.754325	-0.46947	2.920258	0.008503	0.027524	-2.87365
C12orf57	1.191752	-0.84225	2.920083	0.008506	0.027526	-2.87401
RILPL2	-0.6702	0.309182	-2.92008	0.008506	0.027526	-2.87402
C9orf116	0.545046	-0.29228	2.919755	0.008512	0.027541	-2.8747
RRAGB	-0.74361	0.098386	-2.91009	0.009024	0.028815	-2.87588
ECHDC1	-0.6648	0.274341	-2.91878	0.008531	0.027592	-2.87673
LRRC43	0.861802	-0.08725	2.918584	0.008535	0.0276	-2.87713
ZNF766	-1.37086	0.458102	-2.90931	0.009039	0.028843	-2.87748
ALG10	-0.61193	0.118986	-2.91729	0.009247	0.029332	-2.87779
CHST5	0.688094	-0.4554	2.917387	0.008557	0.02766	-2.87962
TMEM238	0.891385	-0.37817	2.916986	0.008565	0.02768	-2.88045
GPR27	-1.28996	0.746363	-2.916	0.008584	0.027732	-2.8825
C16orf78	0.407406	-0.45969	2.91581	0.008588	0.027739	-2.8829
ATP8B4	-1.69761	1.019055	-2.92184	0.008794	0.028272	-2.88429
KRTAP19-1	0.611601	-0.33189	2.914856	0.008606	0.027794	-2.88488
BSDC1	-0.5431	0.293144	-2.91446	0.008614	0.027814	-2.88571
FBXO30	-0.96505	-0.13826	-2.91396	0.008623	0.02784	-2.88675
LOC100506	0.463602	-0.38722	2.913748	0.008627	0.027849	-2.88718
C12orf69	1.378948	-0.73614	2.921354	0.009581	0.030147	-2.88734
C19orf55	-0.60538	0.387095	-2.91345	0.008633	0.027863	-2.8878
TINAGL1	0.579871	-0.40786	2.913063	0.00864	0.027878	-2.8886
PRAC	0.491404	-0.73148	2.913	0.008642	0.027878	-2.88873
PSMA2	-1.06633	-0.00958	-2.91292	0.008643	0.027878	-2.88889
OTUD3	-0.54617	0.109234	-2.9129	0.008643	0.027878	-2.88894
SAA4	0.662807	-0.31308	2.912708	0.008647	0.027886	-2.88934
LOC100507	-0.98201	0.006209	-2.91262	0.008649	0.027886	-2.88951
HRASLS	1.295416	-0.58361	2.932135	0.011776	0.035259	-2.88956
Sep-06	-0.73128	0.9049	-2.91176	0.008665	0.027935	-2.8913
IFI30	-0.72412	0.359193	-2.91157	0.008669	0.02794	-2.89171
AURKA	-0.70213	0.446236	-2.91153	0.00867	0.02794	-2.89178
CCT8L2	-0.75278	0.042144	-2.9113	0.008674	0.02795	-2.89226
ARHGDIG	0.404457	-0.17476	2.910561	0.008689	0.027986	-2.8938
EIF2B1	-0.45126	0.323498	-2.91044	0.008691	0.027986	-2.89406
C9orf80	-0.79212	0.152294	-2.91043	0.008691	0.027986	-2.89407
ZNF26	-0.81144	0.386962	-2.90862	0.008726	0.02809	-2.89784
NAPB	-1.00042	0.312912	-2.90855	0.008728	0.02809	-2.89798
TFF2	0.637476	-0.44415	2.907472	0.008749	0.028153	-2.90021
EIF3A	0.535722	-0.20734	2.907037	0.008757	0.028176	-2.90111
TMEM192	-0.67498	0.334812	-2.91351	0.008956	0.028668	-2.90136

LARP6	-1.2792	0.386997	-2.91318	0.008963	0.028673	-2.90204
NUFIP1	0.695697	-0.55201	2.91293	0.008968	0.02868	-2.90255
ITGA3	0.792035	0.052892	2.896787	0.009291	0.029428	-2.90301
ZNF578	-0.80736	0.091419	-2.90609	0.008776	0.02823	-2.90307
DEXI	0.804134	-0.23146	2.905751	0.008782	0.028247	-2.90378
ADAMTS16	0.887603	-0.22155	2.905523	0.008787	0.028257	-2.90425
ZNF843	0.60238	-0.48342	2.905138	0.008794	0.028272	-2.90505
C10orf47	0.642998	0.182254	2.904654	0.008804	0.028293	-2.90606
PLCZ1	1.748042	-0.62977	2.963404	0.013056	0.038194	-2.90608
ROCK1	-1.49956	0.947462	-2.90425	0.008812	0.028314	-2.90689
ZNF2	-1.19056	0.450809	-2.9036	0.008825	0.02835	-2.90825
NGDN	-0.7784	0.604929	-2.90348	0.008827	0.028353	-2.9085
PSD	0.742658	-0.47042	2.90338	0.008829	0.028355	-2.9087
CD160	1.117736	-0.06882	2.902418	0.008848	0.028411	-2.91069
TRDMT1	-0.74539	0.161784	-2.90174	0.008861	0.02845	-2.91211
TRPC6	0.846284	-0.35116	2.900038	0.009598	0.030176	-2.91245
LOC439911	-0.66876	0.254408	-2.9015	0.008866	0.028456	-2.91259
CLK4	-1.16843	0.484893	-2.90796	0.009066	0.028912	-2.91272
SUMF1	-0.75901	0.102913	-2.90112	0.008873	0.028474	-2.91338
DDIT4L	1.015648	-0.63857	2.879348	0.010035	0.031204	-2.91433
NBL1	0.368111	-0.3101	2.900582	0.008884	0.028504	-2.9145
LRRC34	-0.45161	0.049271	-2.90024	0.008891	0.028521	-2.91522
NARF	-0.66952	0.327804	-2.89999	0.008896	0.028529	-2.91573
FLRT1	0.921891	-0.49006	2.898392	0.009632	0.03024	-2.91575
PBOV1	0.535014	-0.40323	2.899971	0.008896	0.028529	-2.91577
BTBD6	0.466414	-0.23321	2.899388	0.008908	0.028561	-2.91698
MAGEB4	1.288246	-0.43375	2.876942	0.010087	0.031317	-2.91913
NDUFA10	-0.53444	0.304665	-2.89791	0.008937	0.028646	-2.92004
MTHFSD	-0.87046	0.265687	-2.89784	0.008939	0.028646	-2.92019
ENTPD2	0.595071	-0.42468	2.89782	0.008939	0.028646	-2.92023
ACIN1	-0.62684	0.494821	-2.89776	0.00894	0.028646	-2.92035
URB1	0.798644	-0.48473	2.897457	0.008946	0.028658	-2.92098
ABCC2	-0.87813	0.86034	-2.89743	0.008947	0.028658	-2.92103
LY6G6F	0.827522	-0.30731	2.8972	0.008951	0.028665	-2.92151
TUFT1	0.761061	-0.37363	2.897174	0.008952	0.028665	-2.92157
NEK2	-1.66879	0.976297	-2.89694	0.008956	0.028668	-2.92206
ETS2	-1.49993	0.737391	-2.89691	0.008957	0.028668	-2.92212
TPM3	-1.60756	1.073853	-2.89667	0.008962	0.028673	-2.92261
NBEAL2	-0.91631	0.567367	-2.89636	0.008968	0.02868	-2.92326
INPP5F	-0.6828	0.662234	-2.89626	0.00897	0.028681	-2.92345
ATP13A2	-0.64516	0.764062	-2.89591	0.008977	0.028699	-2.92418
DICER1-AS	-0.76054	0.553099	-2.89572	0.008981	0.028703	-2.92458
GNB4	-1.21647	0.544401	-2.89563	0.008983	0.028703	-2.92477
UBQLN2	-1.19232	0.657655	-2.89523	0.008991	0.028723	-2.92559
IL15RA	-0.99334	0.550626	-2.89407	0.009014	0.028794	-2.92801
ADAMTSL3	-0.4403	0.163239	-2.89379	0.00902	0.028807	-2.92859
RPL19	1.126626	-0.75812	2.893349	0.009028	0.028825	-2.92949

ZNF37A	-0.73005	0.700877	-2.89329	0.00903	0.028825	-2.92962
SPARC	1.341894	-0.33417	2.892846	0.009038	0.028843	-2.93054
ATP5G2	0.716093	-0.41516	2.892782	0.00904	0.028843	-2.93067
LINC00470	-0.81108	0.225379	-2.89251	0.009045	0.028856	-2.93124
TES	-0.65115	0.506141	-2.8924	0.009047	0.028858	-2.93145
CSNK2B	-0.40827	0.525005	-2.89077	0.00908	0.02895	-2.93483
KRTAP13-3	-0.74052	0.350714	-2.89713	0.009284	0.02942	-2.93486
CASC2	-0.72903	0.045691	-2.89076	0.009081	0.02895	-2.93486
C20orf7	-1.12988	0.346945	-2.89034	0.009089	0.028967	-2.93572
OXSRI	-0.86156	0.846177	-2.89027	0.00909	0.028967	-2.93586
LOC100287	-0.8516	0.616859	-2.89018	0.009092	0.028968	-2.93605
CORO1C	-0.85003	0.803255	-2.8899	0.009098	0.028981	-2.93663
APBB1IP	-1.18666	0.999735	-2.88981	0.0091	0.028982	-2.93681
LOC100126	-1.06286	0.369591	-2.88939	0.009108	0.029005	-2.9377
ALAS1	-1.03979	0.894839	-2.88908	0.009115	0.02902	-2.93834
THUMPD3	-0.54777	0.222913	-2.88887	0.009119	0.029029	-2.93877
EXOSC8	-0.7773	0.473064	-2.88869	0.009122	0.029036	-2.93914
LOC100506	0.389299	-0.2552	2.888379	0.009129	0.029051	-2.93979
ZNF300	-0.75663	0.039738	-2.88635	0.009885	0.030853	-2.9399
NDFIP1	-0.69887	0.258972	-2.88829	0.009131	0.029053	-2.93998
PROK2	-1.43701	1.074829	-2.88821	0.009132	0.029053	-2.94013
RABIF	-1.08476	0.558858	-2.88769	0.009143	0.029082	-2.94121
ZNF697	0.488177	-0.21525	2.887525	0.009146	0.029088	-2.94155
EMX2OS	-0.84103	0.11881	-2.88729	0.009151	0.029098	-2.94203
CSNK1A1P	-0.64701	0.207928	-2.88706	0.009156	0.029108	-2.94252
LINC00256	-1.2434	0.835078	-2.88679	0.009161	0.029121	-2.94308
ALOX15B	0.829536	-0.47829	2.886467	0.009168	0.02913	-2.94374
MRPS36	-0.55499	0.079257	-2.88646	0.009168	0.02913	-2.94376
PPP1R13L	0.544939	-0.24736	2.886436	0.009168	0.02913	-2.94381
C1QTNF9	-0.73433	0.225036	-2.8858	0.009181	0.029167	-2.94512
CHPF2	-0.62514	0.491835	-2.88487	0.0092	0.029222	-2.94704
CENPL	-1.75986	0.929789	-2.88432	0.009212	0.029254	-2.94819
SH2D6	1.925347	-0.72718	2.883636	0.009226	0.029293	-2.9496
GFRA2	0.406466	-0.13142	2.883522	0.009228	0.029296	-2.94984
STK40	0.533347	-0.19337	2.883316	0.009232	0.029304	-2.95026
VAMP7	-0.7634	-0.17115	-2.8828	0.009243	0.029324	-2.95133
ERF	-0.59373	0.734897	-2.8828	0.009243	0.029324	-2.95133
DDX46	-0.47889	0.307496	-2.88252	0.009249	0.029332	-2.95191
LOC100509	-0.97655	0.227882	-2.88245	0.00925	0.029332	-2.95205
GMFG	-0.86211	0.338974	-2.88171	0.009265	0.029376	-2.95359
SRSF5	-0.53474	0.150091	-2.88151	0.009269	0.029384	-2.954
FAM171B	-0.3908	0.082451	-2.88124	0.009275	0.029397	-2.95456
VMA21	-0.6391	0.279897	-2.88071	0.009286	0.029422	-2.95566
LOC100509	0.618819	-0.57854	2.880497	0.00929	0.029428	-2.95609
C19orf80	0.634745	-0.23964	2.886698	0.009498	0.02995	-2.95617
CCDC84	-0.40767	0.251234	-2.88	0.009301	0.029454	-2.95712
NEK8	-0.90912	1.028209	-2.87919	0.009317	0.029503	-2.9588

LINC00471	1.09348	-0.52724	2.851708	0.011614	0.034865	-2.95932
TMEM185	-0.71247	0.593459	-2.87842	0.009333	0.029544	-2.9604
ACSS3	-0.80755	0.037986	-2.88399	0.009555	0.030085	-2.96169
SYT8	1.03356	-0.77843	2.908158	0.013263	0.038683	-2.96416
CELSR3	0.584141	-0.19261	2.876431	0.009375	0.029665	-2.9645
PNISR	-0.74029	0.555997	-2.87617	0.00938	0.029677	-2.96503
PPY2	0.491695	-0.39575	2.876111	0.009381	0.029677	-2.96516
WIPI2	0.377941	-0.05311	2.875772	0.009388	0.029694	-2.96586
SNRNP70	-0.64767	0.588864	-2.87564	0.009391	0.029698	-2.96614
NKX3-1	0.893346	-0.8173	2.875547	0.009393	0.0297	-2.96633
FLJ36116	0.606452	-0.35815	2.875382	0.009397	0.029706	-2.96667
ADAMTS9	-0.581649	-0.20286	2.865407	0.009951	0.030985	-2.96682
COX15	-0.98112	0.586702	-2.87456	0.009414	0.029753	-2.96837
FGD3	-0.86079	0.91297	-2.87445	0.009416	0.029753	-2.96859
LOC38963	-1.31905	0.985863	-2.87445	0.009416	0.029753	-2.9686
C22orf31	0.971327	-0.26005	2.864221	0.009977	0.031046	-2.96923
USPL1	-0.61321	0.393588	-2.87405	0.009424	0.029774	-2.96941
STK32B	-0.8464	0.344452	-2.87982	0.009643	0.030256	-2.9702
WDR72	-0.48801	0.083479	-2.87334	0.009439	0.029817	-2.97089
POU1F1	0.79246	-0.14039	2.873183	0.009443	0.02982	-2.97121
PLEKHH2	-0.85704	0.110136	-2.87315	0.009443	0.02982	-2.97128
DCP1A	-0.44555	0.063265	-2.87287	0.009449	0.029834	-2.97186
YIPF5	-0.89406	0.315219	-2.87126	0.009483	0.029935	-2.97518
LOC10050	-1.00706	0.154178	-2.87114	0.009486	0.029937	-2.97544
LOC10050	1.132138	-0.1621	2.871096	0.009486	0.029937	-2.97552
ALDH5A1	0.631733	-0.25545	2.870851	0.009492	0.029948	-2.97603
SLC37A2	0.967909	-0.51283	2.870642	0.009496	0.02995	-2.97646
C8orf39	0.395731	-0.26592	2.870569	0.009498	0.02995	-2.97661
LOC10065	0.742095	-0.29967	2.870547	0.009498	0.02995	-2.97665
FAM178A	-0.94217	0.525163	-2.87026	0.009504	0.029963	-2.97724
ACP1	0.699112	-0.61207	2.869939	0.009511	0.02998	-2.97791
HIST1H2A	-1.04554	0.867293	-2.86976	0.009515	0.029987	-2.97829
LOC10050	0.688987	-0.364	2.869619	0.009518	0.029992	-2.97857
SLC38A1	1.071839	-0.80538	2.868835	0.009534	0.030039	-2.98019
TACC1	0.583698	-0.13905	2.868678	0.009538	0.030045	-2.98051
SDCBP	-1.56865	1.179729	-2.86808	0.00955	0.03008	-2.98175
PGLYRP2	0.557132	-0.35584	2.858004	0.010114	0.031359	-2.98184
RUNX2	0.425103	-0.26762	2.86796	0.009553	0.030083	-2.982
UNC5B	0.794197	-0.27137	2.867646	0.009559	0.030094	-2.98264
BET3L	0.986356	-0.11215	2.873594	0.009775	0.030567	-2.98289
ZNF598	-0.47042	0.492707	-2.86704	0.009572	0.03013	-2.9839
PALM3	1.016849	-0.68901	2.872298	0.010627	0.032658	-2.98407
T	0.582263	-0.41117	2.866866	0.009576	0.030137	-2.98425
BHLHE22	-0.60965	0.12193	-2.86652	0.009583	0.03015	-2.98496
GAS2L2	0.535506	-0.35219	2.8661	0.009592	0.030173	-2.98583
FBXL5	-1.26329	0.940784	-2.86604	0.009594	0.030173	-2.98595
GCGR	0.506488	-0.39004	2.865886	0.009597	0.030176	-2.98628

STARD10	0.951593	0.339463	2.865586	0.009603	0.030189	-2.9869
C2orf53	0.478649	-0.27477	2.865476	0.009606	0.030191	-2.98712
AQP9	-1.17546	0.674221	-2.86536	0.009608	0.030194	-2.98736
PSG8	-0.74809	0.136684	-2.86525	0.00961	0.030197	-2.98759
YY1AP1	0.491812	-0.17531	2.865107	0.009614	0.030202	-2.98788
MTAP	0.74727	-0.46797	2.864832	0.009619	0.030215	-2.98845
ANKRD60	-0.95475	0.222784	-2.86426	0.009632	0.03024	-2.98963
ECI2	0.717257	-0.25797	2.864259	0.009632	0.03024	-2.98963
MOB3B	-0.85729	0.825803	-2.86386	0.00964	0.030256	-2.99047
CHRNA2	0.465596	-0.1885	2.86384	0.009641	0.030256	-2.9905
PTGES3	-0.87945	0.841256	-2.86372	0.009643	0.030256	-2.99075
C19orf53	0.551123	-0.42427	2.863628	0.009645	0.030257	-2.99094
C1orf228	-0.67863	0.245127	-2.86353	0.009647	0.030258	-2.99113
LOC72968	-0.68939	0.421579	-2.86348	0.009648	0.030258	-2.99125
TGFBR2	-0.92392	0.469961	-2.8633	0.009652	0.030265	-2.99162
C1orf43	-0.63082	0.265104	-2.86312	0.009656	0.030272	-2.99199
POTED	-0.97481	0.196379	-2.86854	0.009883	0.030853	-2.99317
PIK3CD	-0.96189	1.061188	-2.86234	0.009673	0.030315	-2.99359
CDH24	-0.96255	0.363113	-2.8622	0.009676	0.030319	-2.99387
DSCC1	-1.15935	0.589705	-2.86207	0.009679	0.030323	-2.99415
FBXW5	-0.38953	0.307946	-2.86188	0.009683	0.030331	-2.99453
LOC15100	-1.0973	-0.11711	-2.86176	0.009685	0.030334	-2.99479
LAMB2P1	-0.8063	0.29526	-2.86092	0.009703	0.030386	-2.99651
RHOG	-0.65269	0.57226	-2.86023	0.009718	0.030428	-2.99794
C11orf40	-0.53181	0.011786	-2.86605	0.009937	0.030956	-2.99825
CHMP1A	-0.68136	0.426257	-2.85936	0.009737	0.030482	-2.99974
HTR6	0.799104	-0.19243	2.858625	0.009753	0.030527	-3.00125
Dec-01	-0.42222	-0.04068	-2.86438	0.009974	0.031045	-3.00165
HAS3	0.895918	0.042678	2.848056	0.010336	0.031928	-3.00199
SEC31B	-0.50524	0.256565	-2.85815	0.009763	0.030554	-3.00223
PPP1CB	-1.42498	0.282368	-2.85808	0.009765	0.030554	-3.00237
PMS2P4	-0.48418	0.341497	-2.85789	0.009769	0.030562	-3.00277
MEX3A	0.589618	-0.45666	2.857785	0.009771	0.030564	-3.00299
IRF7	-1.19534	1.296864	-2.8576	0.009775	0.030567	-3.00336
C21orf104	0.602289	-0.44109	2.857367	0.00978	0.030578	-3.00385
ATP6V0E1	-0.66526	0.28592	-2.85651	0.009799	0.030631	-3.00561
C2orf84	-0.62591	0.082109	-2.85641	0.009801	0.030633	-3.00581
MRM1	0.649824	-0.20232	2.856005	0.00981	0.030656	-3.00665
ZNF383	-0.95903	0.165192	-2.85577	0.009815	0.030667	-3.00714
DDO	1.05444	-0.47315	2.840534	0.011363	0.034328	-3.00872
ASB5	-0.95313	0.358888	-2.85429	0.009847	0.030763	-3.01019
RHOT1	-1.38527	0.891672	-2.85379	0.009858	0.030788	-3.01123
ATP6AP1	-0.59387	0.384725	-2.85378	0.009858	0.030788	-3.01123
OIP5	-1.44897	0.809175	-2.8535	0.009864	0.030802	-3.01182
KLRC1	0.550865	-0.45946	2.852544	0.009885	0.030853	-3.01379
PRPF8	0.689421	-0.22677	2.851761	0.009903	0.030892	-3.0154
LOH12CR2	-0.48091	0.029784	-2.85171	0.009904	0.030892	-3.01551

MTMR7	-0.54061	-0.00792	-2.85169	0.009904	0.030892	-3.01554
GBP1	-2.02859	1.351907	-2.85169	0.009904	0.030892	-3.01555
FN3KRP	0.770606	-0.47084	2.851436	0.00991	0.030902	-3.01607
LOC90499	-1.0014	0.511672	-2.85132	0.009912	0.030902	-3.0163
SUB1	-1.52378	0.300698	-2.8513	0.009913	0.030902	-3.01636
BACE1	0.748998	-0.32016	2.851196	0.009915	0.030902	-3.01656
PSMB1	-0.49073	0.087828	-2.85118	0.009915	0.030902	-3.01661
RPL13A	1.12872	-0.8218	2.850698	0.009926	0.03093	-3.01759
LOC10027	-0.70453	0.597891	-2.85019	0.009937	0.030956	-3.01864
OLFM2	-0.63733	0.68871	-2.84996	0.009942	0.030965	-3.0191
KIAA0947	-0.69305	0.21697	-2.84991	0.009943	0.030965	-3.01922
PROCR	0.949287	-0.4557	2.849162	0.00996	0.031006	-3.02075
C15orf39	0.702703	-0.20652	2.848392	0.009977	0.031046	-3.02234
ZNF45	-0.78316	0.45603	-2.8479	0.009988	0.031073	-3.02335
GOLGA2P2	0.797698	-0.36531	2.83724	0.010583	0.032556	-3.02388
MAGIX	-0.58006	0.519291	-2.84734	0.01	0.031106	-3.02449
PKD1L3	-0.54121	0.069028	-2.85891	0.010486	0.032304	-3.02532
SLC27A6	1.367099	-1.17985	2.816502	0.012488	0.03679	-3.02636
DYNLT1	-1.09794	0.408054	-2.84587	0.010033	0.031203	-3.02753
SEMA6D	-0.87714	0.301112	-2.84572	0.010036	0.031204	-3.02784
ATPAF1-AS	0.693106	-1.10917	2.845653	0.010038	0.031204	-3.02797
C6orf57	-0.72798	0.250191	-2.8454	0.010043	0.031216	-3.02849
TNIP2	-0.85633	0.700191	-2.84514	0.010049	0.031228	-3.02904
WBSCR22	0.682772	-0.30819	2.845079	0.01005	0.031228	-3.02916
SRSF1	-0.75833	0.300691	-2.84424	0.010069	0.031282	-3.03089
HHIPL2	-0.57269	0.386422	-2.84414	0.010071	0.031283	-3.03108
GKN1	-0.65449	0.035253	-2.844	0.010074	0.031288	-3.03137
HSFX1	0.611858	-0.21243	2.843882	0.010077	0.031292	-3.03162
CETN1	-0.64619	-0.02984	-2.8402	0.010915	0.033344	-3.0321
BHLHB9	-0.45833	0.086081	-2.84905	0.010313	0.031864	-3.0328
ANKRD40	-0.79456	0.61624	-2.84327	0.010091	0.031324	-3.03289
OXCT2	0.520072	-0.70965	2.843038	0.010096	0.031335	-3.03335
ARID1A	-1.00447	0.960991	-2.84276	0.010102	0.031345	-3.03393
LCE1F	0.529285	-0.59533	2.842749	0.010102	0.031345	-3.03395
PNPLA5	0.591394	-0.42247	2.842672	0.010104	0.031346	-3.03411
DDX39B	-0.34819	0.12897	-2.84242	0.01011	0.031358	-3.03463
VBP1	-0.84335	-0.00603	-2.84233	0.010112	0.031359	-3.03482
G2E3	-0.72846	0.052299	-2.8422	0.010115	0.031359	-3.03508
GRM8	0.613177	-0.43207	2.853767	0.010602	0.032596	-3.03562
MTCH2	-0.48934	0.174006	-2.8418	0.010124	0.031381	-3.03589
KRTAP15-1	0.681601	-0.63963	2.845692	0.01124	0.034066	-3.03632
HSPA14	-0.77834	0.00705	-2.84145	0.010131	0.031401	-3.03662
CD247	1.379628	-0.56276	2.841337	0.010134	0.031403	-3.03685
ZBED2	-0.83688	0.546687	-2.84126	0.010136	0.031403	-3.037
SLC38A5	1.264752	-0.49069	2.841209	0.010137	0.031403	-3.03712
NFKBIB	-0.58589	0.547436	-2.8411	0.010139	0.031405	-3.03733
INE1	0.515487	-0.81925	2.840823	0.010146	0.03142	-3.03791

TCN1	-1.9686	1.130539	-2.84075	0.010147	0.03142	-3.03807
KIAA1530	-1.07116	0.93505	-2.84026	0.010158	0.031449	-3.03908
SRD5A1	-0.54904	0.346824	-2.83973	0.01017	0.031477	-3.04015
RRM2	-2.27149	1.489853	-2.83972	0.01017	0.031477	-3.04018
SNCG	0.482414	-0.40223	2.839096	0.010184	0.031515	-3.04146
SLC28A1	0.46769	-0.16336	2.838959	0.010188	0.03152	-3.04174
SPACA7	0.982178	-0.64346	2.828353	0.01079	0.033064	-3.04183
MYL6B	-0.62714	0.429326	-2.83871	0.010193	0.031532	-3.04226
ACTR5	0.842113	-0.49535	2.838571	0.010196	0.031537	-3.04254
PPP4R1	-1.0709	0.695848	-2.83805	0.010208	0.031568	-3.04361
FLJ43681	-0.50153	0.465622	-2.83791	0.010211	0.031573	-3.04389
TBC1D12	0.928274	-0.19369	2.837424	0.010222	0.031601	-3.0449
FGF2	-0.70591	0.452311	-2.83737	0.010224	0.031601	-3.04501
MOB4	-1.16928	-0.11571	-2.8247	0.010876	0.033245	-3.04921
TMEM199	-0.50575	0.257376	-2.8353	0.010271	0.031741	-3.04927
CHRNA3	0.908464	-0.80387	2.884623	0.013852	0.039998	-3.05112
FIGF	-0.50469	-0.16876	-2.84406	0.010825	0.033142	-3.05504
SETD4	-0.44553	0.328049	-2.83219	0.010341	0.031941	-3.05566
UBASH3B	-1.05537	0.499459	-2.83202	0.010345	0.031945	-3.056
FAM134B	-1.02756	0.213068	-2.83198	0.010346	0.031945	-3.05608
PDZD8	-0.9431	0.430537	-2.8319	0.010348	0.031946	-3.05625
HCG4	1.150729	-0.70241	2.837943	0.014098	0.040539	-3.05752
RMI1	-0.84628	0.150677	-2.83124	0.010363	0.031987	-3.0576
NUDT1	0.633344	-0.40048	2.830786	0.010374	0.032015	-3.05854
MAPK4	-0.50503	0.220554	-2.83064	0.010377	0.032015	-3.05884
FAM160A1	1.090964	-0.04845	2.830632	0.010377	0.032015	-3.05885
ZNF207	-0.85127	0.185842	-2.83008	0.01039	0.032049	-3.05998
ZNF443	-1.18602	0.3166	-2.83552	0.010622	0.032649	-3.06025
NHS	1.147248	-0.70941	2.859087	0.012722	0.037377	-3.06109
PLAC9	-0.70448	0.502329	-2.82868	0.010422	0.032144	-3.06286
TRIM38	-1.28182	1.163071	-2.8284	0.010429	0.032154	-3.06344
ZNF347	-1.28343	0.80208	-2.82839	0.010429	0.032154	-3.06346
SGOL2	-1.26035	0.457895	-2.84579	0.011238	0.034065	-3.06404
LINC00115	-0.90071	0.526693	-2.82789	0.01044	0.032185	-3.06449
CFDP1	-1.06421	1.106286	-2.82778	0.010443	0.032188	-3.06471
CEP41	-0.79515	0.999874	-2.82714	0.010458	0.032228	-3.06603
LEUTX	-0.61446	0.246076	-2.81607	0.011082	0.033708	-3.06662
CLEC4A	-1.29679	0.213114	-2.82647	0.010473	0.032271	-3.0674
GPRASP2	1.758306	-1.41923	2.745989	0.015881	0.044536	-3.06872
FHL3	-0.98245	1.068773	-2.82534	0.010499	0.032339	-3.06972
PTGDR2	1.797361	-0.70585	2.825302	0.0105	0.032339	-3.06979
FBN2	-0.67374	0.19445	-2.82523	0.010502	0.03234	-3.06995
KCNE1	-1.03224	0.520554	-2.82495	0.010508	0.032354	-3.07052
DMRT2	1.262164	-0.45616	2.830185	0.010747	0.032959	-3.07106
TM9SF2	-0.8364	0.201528	-2.82401	0.01053	0.032417	-3.07245
NDUFS1	-0.86907	0.578388	-2.82376	0.010536	0.032429	-3.07296
BBS9	-1.15719	0.312401	-2.82295	0.010555	0.032483	-3.07462

FBXO33	-0.71586	0.052723	-2.8226	0.010563	0.032503	-3.07535
TP53INP2	0.670925	-0.02911	2.827889	0.010801	0.033087	-3.07571
EPAS1	-1.30168	0.748262	-2.82171	0.010584	0.032556	-3.07716
S100G	0.91792	-0.13593	2.821269	0.010594	0.032583	-3.07807
C1orf110	-0.96291	0.313844	-2.821	0.010601	0.032596	-3.07862
RPUSD2	0.828313	-0.33191	2.820756	0.010606	0.032605	-3.07912
TCP11	-0.81659	-0.0058	-2.81935	0.010639	0.032691	-3.082
BGN	0.66217	-0.25841	2.815069	0.011519	0.034671	-3.08209
SLC13A5	0.636462	-0.26369	2.830177	0.011152	0.033868	-3.08275
LOC339894	-0.76159	0.262954	-2.81861	0.010657	0.032739	-3.08352
Mar-09	0.789234	-0.16894	2.81836	0.010663	0.032752	-3.08403
MAPK13	-0.98075	0.699091	-2.81778	0.010676	0.032789	-3.08522
GPANK1	-0.46183	0.387129	-2.81698	0.010695	0.032842	-3.08686
DMGDH	0.686839	-0.17827	2.816286	0.010712	0.032887	-3.08828
SH3GL3	0.625961	-0.48425	2.816094	0.010716	0.032896	-3.08868
DIABLO	-0.42135	0.179956	-2.81593	0.01072	0.032897	-3.08902
H2AFY	-0.50692	0.031556	-2.81589	0.010721	0.032897	-3.08909
TGDS	-0.77431	0.111716	-2.81587	0.010722	0.032897	-3.08913
HOOK3	-1.24574	0.690883	-2.81529	0.010735	0.032934	-3.09031
PTPN13	1.036887	-0.73304	2.810861	0.011623	0.034882	-3.09045
CD300E	0.68232	-0.30675	2.814763	0.010748	0.032959	-3.0914
DHX9	-0.89679	0.774993	-2.81474	0.010748	0.032959	-3.09145
NR5A2	0.588973	-0.40129	2.813491	0.010778	0.033044	-3.09401
EML6	0.587635	-0.13452	2.813229	0.010784	0.033058	-3.09455
PROC	0.848964	-0.20343	2.805132	0.012784	0.037521	-3.09481
KCTD9	-0.81496	0.095928	-2.81302	0.010789	0.033064	-3.09497
ACACB	0.768311	-0.24556	2.812579	0.0108	0.033087	-3.09588
LSAMP	-0.56114	0.092258	-2.81246	0.010803	0.033089	-3.09612
MUC3	-0.64432	0.196574	-2.81235	0.010805	0.033091	-3.09634
ANK3	0.720259	-0.72911	2.817551	0.011047	0.033639	-3.09663
CLN8	-0.56908	0.313053	-2.81193	0.010815	0.033117	-3.09721
C14orf23	1.158045	-0.14045	2.816525	0.011071	0.033685	-3.09871
LOC388630	0.555526	-0.43319	2.810861	0.010841	0.033185	-3.0994
DOK1	-0.94471	0.895443	-2.81074	0.010844	0.033189	-3.09964
TRAM2	0.797891	-0.08014	2.810664	0.010846	0.033189	-3.0998
RECQL	-0.81014	0.121557	-2.81054	0.010849	0.033191	-3.10005
CNOT6L	-0.85591	0.553363	-2.81047	0.01085	0.033191	-3.10019
FCRL2	-1.40759	1.176835	-2.81043	0.010851	0.033191	-3.10028
ZNF81	-0.8047	0.383716	-2.81555	0.011095	0.033734	-3.10068
MTX2	-0.88838	0.201617	-2.80963	0.01087	0.033241	-3.10191
LRIG1	0.636376	-0.46299	2.809596	0.010871	0.033241	-3.10198
FAM35B	-0.7184	0.141778	-2.80953	0.010873	0.033241	-3.10211
PF4	1.121003	-0.24765	2.808719	0.010892	0.03329	-3.10378
SRPX2	0.765688	-0.4004	2.8108	0.012096	0.035905	-3.1046
HFE2	-0.44588	0.1186	-2.80829	0.010903	0.033317	-3.10467
SURF2	0.601965	-0.26448	2.808044	0.010909	0.03333	-3.10516
FSD1L	1.195041	-1.18522	2.766071	0.015269	0.043178	-3.10619

FLJ30064	-1.27259	0.440213	-2.80744	0.010923	0.033364	-3.10641
OBSL1	-1.37291	0.420545	-2.80718	0.010929	0.033378	-3.10692
ADSL	-0.71318	0.397486	-2.80702	0.010933	0.033384	-3.10726
ABLM3	1.08884	-0.01956	2.80693	0.010935	0.033386	-3.10744
SLC44A5	1.411584	-1.19748	2.773558	0.013641	0.039545	-3.10779
CRIP1	-0.74907	0.207553	-2.80602	0.010958	0.033448	-3.10931
LOC44160	-0.53827	-0.04063	-2.79474	0.011608	0.034854	-3.10955
FZD4	-0.57719	-0.01815	-2.8054	0.010972	0.033488	-3.11057
ND6	0.983617	-0.47871	2.805277	0.010975	0.033491	-3.11082
DNAJB14	-0.99555	0.247652	-2.80522	0.010977	0.033491	-3.11093
VMAC	-0.66923	0.372563	-2.80506	0.010981	0.033498	-3.11128
MAS1L	0.58865	-0.41499	2.8045	0.010994	0.033534	-3.11241
KRBA1	0.522788	-0.23464	2.804276	0.011	0.033545	-3.11287
COG8	-0.49221	0.458394	-2.80415	0.011003	0.03355	-3.11313
KRBOX1	0.895787	-0.21216	2.81479	0.011526	0.034686	-3.11343
TMED1	-0.50438	0.093511	-2.80383	0.011011	0.033565	-3.11378
PIAS2	-0.46978	0.160158	-2.80381	0.011011	0.033565	-3.11383
LOC10050	-0.45203	-0.09339	-2.80306	0.011029	0.033615	-3.11536
LMTK3	0.56309	-0.24331	2.802853	0.011034	0.033625	-3.11578
SPIN3	0.696318	-0.42865	2.802542	0.011042	0.033639	-3.11642
SSX7	0.495733	-0.06794	2.813259	0.011564	0.034773	-3.11647
PUF60	0.61129	-0.20582	2.802448	0.011044	0.033639	-3.11661
LHFPL1	-0.65043	0.171463	-2.80762	0.011288	0.034143	-3.1167
BCMO1	-0.46162	0.100564	-2.80235	0.011047	0.033639	-3.11681
GSTA5	-1.16099	0.245495	-2.80231	0.011048	0.033639	-3.1169
MAP2K7	0.62997	0.00257	2.802094	0.011053	0.03365	-3.11733
ASAP1	-1.40465	1.130744	-2.80195	0.011057	0.033656	-3.11764
CLCA2	-0.83359	0.119477	-2.8067	0.01131	0.0342	-3.11855
RAMP3	0.532191	-0.25764	2.801435	0.011069	0.033685	-3.11868
VHL	-0.94599	0.574935	-2.80134	0.011071	0.033685	-3.11888
CERS6	-0.8705	0.329387	-2.80106	0.011078	0.0337	-3.11945
USP17	-0.70449	-0.01452	-2.80049	0.011092	0.033733	-3.12062
SLCO4A1	-2.16349	1.335572	-2.80033	0.011096	0.033734	-3.12094
ARF4	-0.67701	0.166552	-2.80013	0.011101	0.033744	-3.12135
IFITM3	-0.79081	0.812261	-2.79961	0.011114	0.033777	-3.12241
MUC8	0.435318	-0.21347	2.799415	0.011118	0.033784	-3.12281
LOC10028	-0.55775	0.059035	-2.79938	0.011119	0.033784	-3.12288
HIST1H1B	0.589248	-0.15179	2.804397	0.011367	0.034335	-3.1232
LOC64283	-1.03983	1.508164	-2.79852	0.01114	0.033838	-3.12464
NR2E1	0.68448	-0.31148	2.808963	0.011671	0.034998	-3.12502
S100A8	-1.71393	0.234378	-2.79757	0.011164	0.033894	-3.12658
DBH	0.988073	-0.23762	2.79755	0.011164	0.033894	-3.12662
SLC2A6	-0.74584	0.662246	-2.79745	0.011167	0.033897	-3.12683
TPRG1L	-0.53898	0.540818	-2.79721	0.011173	0.033909	-3.12731
LOC11323	-0.90025	0.960336	-2.79696	0.011179	0.033923	-3.12784
TPRA1	0.364842	-0.0803	2.796649	0.011187	0.033937	-3.12846
PLEKHG6	0.453084	-0.39219	2.796623	0.011187	0.033937	-3.12852

SLC26A6	-0.66673	0.542162	-2.79596	0.011204	0.033982	-3.12988
FLJ44715	0.829395	-0.69793	2.784613	0.011867	0.035433	-3.12989
WDR38	0.411292	-0.31943	2.79559	0.011213	0.034004	-3.13063
ARL3	-0.90655	0.306734	-2.79548	0.011215	0.034007	-3.13085
EPB41L4A-	0.906464	-0.72729	2.794795	0.011232	0.034053	-3.13225
AGXT	-0.9114	0.18753	-2.79437	0.011243	0.03407	-3.13313
SPN	0.382294	-0.36741	2.794031	0.011251	0.03409	-3.13381
KATNAL1	-0.60218	0.347079	-2.79376	0.011258	0.034103	-3.13436
BIK	-1.17543	1.229491	-2.79371	0.011259	0.034103	-3.13447
B4GALT6	0.573062	-0.20537	2.793505	0.011264	0.034111	-3.13489
GTF2A2	-0.549	0.081789	-2.79344	0.011266	0.034111	-3.13502
AGR2	0.418758	-0.32576	2.793404	0.011267	0.034111	-3.13509
MPP3	0.79928	-0.05422	2.793209	0.011272	0.034118	-3.13549
PBK	-1.27313	0.651068	-2.79317	0.011273	0.034118	-3.13557
VDAC2	-0.45858	0.437267	-2.79292	0.011279	0.034131	-3.13609
EIF2AK2	-1.36904	1.310615	-2.79282	0.011281	0.034133	-3.13629
SUPT5H	0.504735	-0.0828	2.792603	0.011287	0.034143	-3.13673
DUSP27	-0.86372	0.113735	-2.79231	0.011294	0.034156	-3.13733
PACSIN3	0.665401	-0.23872	2.780446	0.011974	0.035657	-3.13825
ZSWIM5	0.527316	-0.63421	2.802043	0.011845	0.035386	-3.13879
TTF1	-0.79685	0.692539	-2.79158	0.011312	0.0342	-3.13881
C8orf34	0.367076	-0.33817	2.802021	0.011845	0.035386	-3.13883
SCN9A	-1.34097	0.773667	-2.79084	0.011331	0.034246	-3.14032
SLC16A8	0.524299	-0.47985	2.790834	0.011331	0.034246	-3.14034
TMEM170	-0.51018	0.126111	-2.79014	0.011348	0.034293	-3.14176
LOC100288	0.797185	-0.38955	2.778592	0.012023	0.03574	-3.14197
BCCIP	-1.55613	0.914396	-2.77833	0.01203	0.035746	-3.1425
NKAPP1	0.638466	-0.28248	2.789544	0.011363	0.034328	-3.14297
LAPTM4B	-0.91148	0.801217	-2.78928	0.01137	0.034337	-3.1435
PI4K2A	0.424376	-0.06156	2.789015	0.011376	0.034352	-3.14405
PRH2	-0.39522	0.024632	-2.78892	0.011379	0.034354	-3.14425
ECHS1	0.618934	-0.25425	2.788811	0.011382	0.034357	-3.14447
MANEAL	1.008315	-0.63802	2.803766	0.016084	0.044957	-3.14454
FAM24A	0.658378	-0.09355	2.77695	0.012066	0.035827	-3.14526
USP42	-0.7887	0.597693	-2.78802	0.011401	0.034402	-3.14609
FOXA2	0.593152	-0.5677	2.787902	0.011404	0.034402	-3.14632
PLSCR3	0.780928	-0.19695	2.787896	0.011405	0.034402	-3.14634
HFE	0.467067	-0.18136	2.787883	0.011405	0.034402	-3.14636
PPHLN1	-0.62404	0.563192	-2.78787	0.011405	0.034402	-3.1464
TTY8	0.566549	-0.14698	2.787538	0.011414	0.034422	-3.14707
PSIP1	-0.95994	0.712006	-2.78734	0.011419	0.034432	-3.14748
AGPAT4	-0.66044	0.493459	-2.78718	0.011423	0.034438	-3.1478
MFI2	0.310196	-0.20838	2.7866	0.011437	0.034473	-3.14898
CALR	0.540991	-0.05335	2.786578	0.011438	0.034473	-3.14903
CIC	-0.62356	0.529287	-2.78555	0.011464	0.034539	-3.15113
SPCS3	-1.09339	0.253174	-2.78554	0.011464	0.034539	-3.15115
POC5	-0.62115	0.346527	-2.7855	0.011465	0.034539	-3.15122

LOC100655	-1.25839	0.846747	-2.78534	0.011469	0.034546	-3.15156
MIEN1	-0.44324	0.374015	-2.78501	0.011477	0.034566	-3.15223
NLGN4Y	0.628897	-0.74885	2.759781	0.014691	0.041833	-3.15299
CCDC132	0.618517	-0.15822	2.784592	0.011488	0.034593	-3.15308
HIST1H2AL	-0.6975	0.217862	-2.78418	0.011498	0.034615	-3.15392
NUDT21	-0.47518	0.08914	-2.78415	0.011499	0.034615	-3.15398
YPLR6490	0.905321	-0.42206	2.799781	0.012379	0.036552	-3.15424
LOC541475	0.695868	-0.54133	2.764838	0.01332	0.03878	-3.15582
DAPL1	-1.0676	0.240764	-2.77165	0.012205	0.036163	-3.15589
LSM10	-0.39055	0.214467	-2.78295	0.011529	0.034691	-3.15642
TTLL7	-0.68742	0.325648	-2.78217	0.011549	0.034741	-3.15803
CRELD1	0.379325	-0.10777	2.782163	0.01155	0.034741	-3.15803
RGNEF	-0.3626	-0.05771	-2.78205	0.011552	0.034744	-3.15827
C2orf83	0.646464	-0.36698	2.771491	0.013699	0.039678	-3.15892
CHTF8	-0.61494	0.661322	-2.78113	0.011576	0.034804	-3.16014
RHOQ	-0.97185	0.752278	-2.78094	0.011581	0.034813	-3.16052
ANKRD27	-0.35033	-0.0123	-2.78079	0.011585	0.03482	-3.16084
GSG2	-0.88096	0.449086	-2.7806	0.01159	0.034829	-3.16123
VPS41	-0.53978	0.122095	-2.78047	0.011593	0.034833	-3.16148
DLG3	1.120584	-0.54635	2.780245	0.011598	0.034839	-3.16194
SPRN	0.552554	-0.36799	2.780213	0.011599	0.034839	-3.16201
RB1CC1	-1.02982	0.067857	-2.78019	0.0116	0.034839	-3.16205
SURF1	-0.29961	0.022858	-2.77988	0.011608	0.034854	-3.16268
NAV3	0.64297	-0.35953	2.787929	0.013244	0.038652	-3.16307
DEFB106B	-0.7125	0.178337	-2.77946	0.011618	0.034873	-3.16354
FOSB	1.048501	-0.65651	2.779066	0.011629	0.034893	-3.16435
SYCP1	0.506627	-0.40312	2.77865	0.011639	0.03492	-3.16519
KISS1	0.682019	-0.45413	2.778441	0.011645	0.03493	-3.16562
GOLGA4	-0.56191	0.233993	-2.77833	0.011648	0.034934	-3.16585
SPESP1	0.680137	-0.34293	2.782601	0.011919	0.035534	-3.16713
PI15	-0.37537	-0.07502	-2.78232	0.011926	0.035545	-3.16769
CTTN	0.521018	-0.16241	2.777224	0.011676	0.035008	-3.1681
ZNF341	-0.71739	0.573574	-2.77711	0.011679	0.035012	-3.16834
JSRP1	0.843882	-0.05032	2.776851	0.011685	0.035026	-3.16886
RARRES2	0.81546	-0.58043	2.789299	0.016519	0.045925	-3.16946
LOC145755	-0.59606	-0.07316	-2.77733	0.012976	0.038005	-3.16983
FAM18B2	-0.97693	0.224497	-2.77633	0.011699	0.035061	-3.16992
TTC5	-0.48157	0.192238	-2.77517	0.011729	0.035144	-3.17227
ULBP2	-0.60732	0.273295	-2.77509	0.011731	0.035144	-3.17245
TLX1	0.662222	-0.28745	2.775044	0.011732	0.035144	-3.17254
ADAD2	0.617279	-0.35592	2.774293	0.011751	0.035197	-3.17407
SLC25A43	-1.5372	0.772517	-2.77392	0.011761	0.03522	-3.17483
RIC8A	-0.27375	0.240793	-2.77314	0.011781	0.03527	-3.17642
VPS37D	0.397199	-0.15038	2.772921	0.011787	0.035282	-3.17686
ADAMTS15	1.184203	-0.2829	2.770479	0.016033	0.044866	-3.17719
LGALS3BP	-1.16127	0.730432	-2.77246	0.011799	0.03531	-3.17781
RBM39	-0.86952	0.476342	-2.77242	0.0118	0.03531	-3.17787

LOC728690	0.465644	-0.22738	2.772287	0.011803	0.035314	-3.17815
C9orf40	0.674868	-0.14685	2.77216	0.011807	0.035314	-3.17841
UHRF1BP1	-0.88922	0.27965	-2.77216	0.011807	0.035314	-3.17841
IFT20	-1.02334	-0.05461	-2.77172	0.011818	0.035343	-3.17931
KGFLP1	-1.00149	0.126133	-2.77155	0.011823	0.035345	-3.17965
GOT2	0.524762	-0.31194	2.771549	0.011823	0.035345	-3.17965
PCGF3	-1.19968	0.9226	-2.77139	0.011827	0.035352	-3.17998
MOV10L1	0.924916	-0.21472	2.771222	0.011831	0.03536	-3.18032
LOC284561	-0.61003	0.122006	-2.7711	0.011834	0.035364	-3.18056
HEMGN	1.039443	-0.45601	2.712248	0.016159	0.045138	-3.18124
CXCL13	-0.71231	0.306917	-2.77556	0.012102	0.035918	-3.18129
SIAE	-0.70352	0.300303	-2.77029	0.011855	0.035407	-3.18222
RAB5C	-0.68811	0.565299	-2.77027	0.011856	0.035407	-3.18227
SUV39H2	-0.65457	0.253893	-2.76975	0.011869	0.035437	-3.18331
ZNF630	-0.53057	0.336355	-2.76956	0.011875	0.035446	-3.1837
CR2	-0.86499	0.520388	-2.76942	0.011878	0.035452	-3.18399
FTHL17	0.690505	-0.36695	2.769268	0.011882	0.035458	-3.1843
LYPLAL1	-0.58733	0.241874	-2.77398	0.012144	0.036014	-3.18447
F2RL3	0.597446	-0.00274	2.768874	0.011892	0.035484	-3.1851
PCSK4	0.863985	-0.2465	2.768707	0.011897	0.035491	-3.18544
MLNR	-0.78731	0.214412	-2.77325	0.012163	0.03606	-3.18594
AMY1C	-0.78193	0.5782	-2.76828	0.011908	0.03552	-3.18632
TUBA8	0.959168	-0.11326	2.767975	0.011916	0.035534	-3.18693
MEIS3P1	0.897911	-0.17381	2.772726	0.012177	0.036084	-3.18698
MAPK9	-0.80804	0.585828	-2.76791	0.011918	0.035534	-3.18706
DYM	-0.39807	0.166461	-2.76769	0.011923	0.035543	-3.1875
SYNPO2L	0.701821	-0.5831	2.741075	0.013489	0.03919	-3.18766
PARM1	0.901418	-0.09219	2.767514	0.011928	0.035547	-3.18786
PRF1	1.512005	-0.5316	2.766818	0.011946	0.035596	-3.18928
CD1E	0.646048	-0.42535	2.766246	0.011961	0.035635	-3.19044
FAM101A	0.59124	-0.35213	2.765878	0.011971	0.035656	-3.19119
LOC100506	0.57702	-0.04714	2.76584	0.011972	0.035656	-3.19127
SLC12A8	-0.68214	0.298431	-2.7655	0.011981	0.035666	-3.19195
TIPARP	-1.07196	0.014032	-2.76548	0.011982	0.035666	-3.192
GTF2IRD2E	-0.70019	0.320629	-2.76543	0.011983	0.035666	-3.19209
GTF2I	-0.86207	0.810435	-2.7649	0.011997	0.035702	-3.19317
FAM201A	0.596373	-0.35067	2.764782	0.012	0.035707	-3.19342
RAX2	0.47712	-0.19713	2.764618	0.012004	0.035714	-3.19375
STT3B	-0.7634	0.21958	-2.76445	0.012009	0.03572	-3.19409
OR7D4	-0.67602	0.162157	-2.76438	0.012011	0.03572	-3.19425
TTLL3	0.452229	-0.14574	2.764271	0.012013	0.03572	-3.19446
GFM2	-0.62533	0.089662	-2.76427	0.012013	0.03572	-3.19446
LOC100133	-0.42843	0.248019	-2.76387	0.012024	0.03574	-3.19527
C15orf2	-0.28897	0.033294	-2.76369	0.012029	0.035746	-3.19564
RNF217	-0.98297	0.710004	-2.76285	0.012051	0.035804	-3.19734
C2orf27A	0.360378	-0.32085	2.762581	0.012058	0.03582	-3.1979
CA5B	-0.62853	0.679589	-2.76237	0.012064	0.035827	-3.19833

LOC100130	-0.96417	0.300991	-2.76228	0.012066	0.035827	-3.19851
F11	-0.39713	0.048059	-2.76177	0.01208	0.035862	-3.19954
PLK4	-0.90219	0.167229	-2.76046	0.012115	0.035949	-3.20221
LINC00264	1.040212	-0.08111	2.748407	0.012835	0.037631	-3.20237
KDR	0.461573	-0.24874	2.760109	0.012124	0.035972	-3.20292
IFNA10	0.592619	-0.29718	2.769505	0.012697	0.037321	-3.20333
WDFY4	-0.67046	0.582878	-2.75981	0.012132	0.03599	-3.20352
PFDN2	-0.41689	0.568958	-2.75957	0.012138	0.036003	-3.20401
ZNF154	-0.57195	0.332695	-2.75867	0.012162	0.03606	-3.20585
JOSD1	-1.03626	0.960775	-2.75856	0.012165	0.036061	-3.20606
FGFR3	-0.85998	0.210711	-2.7585	0.012167	0.036061	-3.20619
FEZF2	0.668165	-0.17866	2.766925	0.012767	0.037487	-3.20844
KIAA0101	-1.32628	0.476736	-2.75678	0.012213	0.036177	-3.20968
SLC16A3	-0.67276	0.487767	-2.75676	0.012213	0.036177	-3.20971
SIX3	0.640773	-0.291	2.744652	0.01294	0.03791	-3.20986
MZT2B	0.852567	-0.66015	2.756391	0.012223	0.036201	-3.21047
LOC400095	-0.8315	0.341029	-2.75627	0.012227	0.036205	-3.21072
DOCK8	-1.02387	0.979517	-2.75535	0.012252	0.036273	-3.2126
SAMD4B	-1.45179	1.266407	-2.75503	0.01226	0.036293	-3.21324
GSS	0.374018	-0.20932	2.754918	0.012263	0.036296	-3.21347
MT1E	0.83714	-0.45136	2.754703	0.012269	0.036308	-3.2139
GIN5A	0.969936	-0.92803	2.763302	0.017331	0.047588	-3.21419
NLRP12	-1.03028	0.729407	-2.75416	0.012283	0.036346	-3.215
C15orf23	-0.8553	0.720125	-2.75384	0.012292	0.036366	-3.21564
C21orf96	0.530086	-0.11559	2.753665	0.012297	0.036374	-3.21601
TMPRSS13	-0.46252	0.122971	-2.75331	0.012306	0.036398	-3.21673
RPS2	0.76283	-0.42318	2.753235	0.012308	0.036398	-3.21688
ALDH1A2	-0.85183	0.228922	-2.75284	0.012319	0.03642	-3.21769
ANO1	-0.74435	0.067462	-2.75282	0.01232	0.03642	-3.21773
SLC47A1	0.44503	-0.04519	2.752662	0.012324	0.036427	-3.21804
LRRC46	-0.51671	0.366528	-2.75252	0.012328	0.036433	-3.21833
IL27	-0.82531	0.335209	-2.75229	0.012334	0.036446	-3.21879
MAFIP	-0.60405	0.144226	-2.75189	0.012345	0.036473	-3.21961
CCDC88B	-0.64451	0.725415	-2.75167	0.012351	0.036485	-3.22006
EAF2	-1.32037	0.105715	-2.75141	0.012358	0.0365	-3.22059
XAGE3	0.719626	-0.32246	2.745785	0.016805	0.046455	-3.22084
MAP2K2	-0.40049	0.559121	-2.75108	0.012367	0.036521	-3.22126
IRX6	-0.36939	0.067911	-2.75031	0.012388	0.036572	-3.22282
CCL5	1.057243	0.136866	2.750135	0.012393	0.03658	-3.22317
FTCD	0.568511	-0.12915	2.749553	0.012408	0.036616	-3.22435
IPO11	0.588213	-0.57488	2.74955	0.012408	0.036616	-3.22436
CNFN	0.979741	-0.25637	2.749208	0.012418	0.036638	-3.22505
RALY	-0.6929	0.702979	-2.74901	0.012423	0.036645	-3.22546
LOC100501	-0.77948	0.146981	-2.74898	0.012424	0.036645	-3.22551
LCN6	1.407026	-0.76947	2.720298	0.0159	0.044571	-3.22597
ZNF135	-0.9811	0.781292	-2.7486	0.012434	0.03667	-3.22628
SRG7	0.498279	-0.25945	2.748275	0.012443	0.036691	-3.22694

PRMT3	-0.56892	0.139018	-2.74805	0.01245	0.036704	-3.22741
APOC2	-0.6705	0.105208	-2.74779	0.012457	0.036719	-3.22793
MAP2K3	0.91803	-0.51325	2.747608	0.012462	0.036728	-3.2283
AGPS	-0.55308	0.306496	-2.74692	0.01248	0.036778	-3.22969
ATRX	-0.92286	0.527713	-2.74669	0.012487	0.03679	-3.23016
LOC100505	0.967501	-0.48262	2.699833	0.015256	0.043153	-3.23085
TIMM50	0.758439	-0.17124	2.745578	0.012517	0.03687	-3.23241
CNTN2	0.466337	-0.19593	2.74529	0.012525	0.036888	-3.233
RBFOX3	0.670507	-0.13277	2.744364	0.012551	0.036958	-3.23487
KLHL11	-0.39147	0.090505	-2.74415	0.012556	0.036969	-3.23531
LOC440046	-0.96116	0.330696	-2.7431	0.012585	0.037049	-3.23744
MUC4	0.901792	-0.66536	2.742966	0.012589	0.037054	-3.23771
PIGU	-0.45209	0.319681	-2.74248	0.012603	0.037089	-3.2387
RELL2	-0.44733	0.563027	-2.74202	0.012615	0.037121	-3.23963
CCDC165	0.429388	-0.10558	2.74124	0.012637	0.037178	-3.24121
GCN1L1	0.558822	-0.01811	2.741123	0.01264	0.037182	-3.24144
TAF1C	-0.47667	0.170879	-2.74099	0.012644	0.037188	-3.24171
RAE1	-0.62178	0.401043	-2.7405	0.012658	0.037217	-3.24271
PITX3	0.460814	-0.2971	2.74049	0.012658	0.037217	-3.24272
EIF3K	0.48605	-0.31829	2.739258	0.012692	0.037312	-3.24522
GLIS3-AS1	1.003157	-0.36019	2.7159	0.018914	0.050732	-3.24569
SCGN	0.657264	-0.62113	2.747821	0.013297	0.038748	-3.24619
SYNGR1	0.821008	-0.18969	2.738778	0.012705	0.03734	-3.24619
STAT3	-1.07101	0.962857	-2.73868	0.012708	0.037343	-3.2464
C14orf142	-1.20558	0.101598	-2.73331	0.015492	0.043619	-3.24698
WDR45L	-0.3815	0.034983	-2.73786	0.012731	0.037399	-3.24805
ZNF252	-0.97787	0.339267	-2.73767	0.012736	0.037408	-3.24843
ASB1	-0.49437	0.209565	-2.73721	0.012749	0.03744	-3.24936
LOC100268	0.78702	-0.18632	2.736481	0.012769	0.03749	-3.25084
NPIPL3	-0.82337	0.852248	-2.73601	0.012783	0.037521	-3.2518
ZNF780A	-1.08781	0.282685	-2.74026	0.013063	0.038208	-3.25205
BNC2	-0.33466	0.256427	-2.7358	0.012788	0.037528	-3.25221
OR7A5	1.08943	-0.49892	2.705834	0.016367	0.045593	-3.25262
MGST1	-1.07129	0.571518	-2.73548	0.012798	0.03755	-3.25287
CPSF6	-0.44048	0.365474	-2.73534	0.012802	0.037556	-3.25316
FOXF2	-0.37549	-0.10767	-2.73966	0.01308	0.038239	-3.25326
BUD13	-0.37114	0.225332	-2.73468	0.01282	0.037604	-3.25448
EVC2	0.7695	-0.186	2.722241	0.013582	0.039396	-3.25451
FADS3	-0.76447	0.660032	-2.73434	0.012829	0.037626	-3.25517
RAB3GAP1	-0.62841	0.235821	-2.73424	0.012832	0.037629	-3.25537
HHLA1	0.626766	-0.46679	2.751943	0.01426	0.040914	-3.25677
MTR	0.618988	-0.31962	2.733043	0.012866	0.037717	-3.2578
CCRL1	-0.51375	0.045036	-2.73295	0.012869	0.037719	-3.25799
HMGN2	-0.64459	0.56148	-2.73213	0.012892	0.037781	-3.25965
CTU2	0.48358	-0.19127	2.731588	0.012907	0.03782	-3.26074
PLA2G2A	0.561231	-0.4302	2.730147	0.012948	0.037928	-3.26366
FAM83B	1.078974	-0.4134	2.738222	0.013571	0.039384	-3.26511

YTHDF1	-0.44253	0.323267	-2.72856	0.012993	0.03805	-3.26688
RGL2	-0.42473	0.462096	-2.7284	0.012998	0.038056	-3.26718
DKFZP547L	1.225884	-0.90675	2.688192	0.018749	0.050469	-3.26806
ESPL1	-0.78507	0.367762	-2.72694	0.013039	0.038168	-3.27013
TRIM37	-0.56828	0.235402	-2.72693	0.01304	0.038168	-3.27016
ANAPC2	-0.44251	0.52673	-2.72684	0.013042	0.03817	-3.27035
GPR37L1	0.478197	-0.40995	2.72672	0.013046	0.038174	-3.27059
TET3	-0.85597	0.708364	-2.72636	0.013056	0.038194	-3.27131
BTG4	-0.68543	0.103773	-2.72584	0.013071	0.038225	-3.27236
HN1	-0.80737	0.687359	-2.7256	0.013078	0.038239	-3.27286
PTEN	-0.9448	0.606151	-2.72547	0.013081	0.038239	-3.27311
IL37	0.602511	-0.27699	2.724169	0.013119	0.038342	-3.27574
APC2	0.52227	-0.32818	2.723827	0.013129	0.038365	-3.27643
PTTG1IP	-0.63356	0.222497	-2.72348	0.013139	0.038389	-3.27714
GPR34	0.446796	-0.31099	2.723349	0.013142	0.038394	-3.2774
C17orf57	0.373089	-0.07587	2.727268	0.013435	0.03908	-3.27801
NPFFR1	0.579917	-0.37521	2.723033	0.013151	0.038415	-3.27804
CERS2	-0.44348	0.483047	-2.72232	0.013172	0.038469	-3.27947
C20orf132	0.555777	-0.23406	2.721657	0.013191	0.038519	-3.28082
TRAPPC6A	0.729523	-0.43437	2.721552	0.013194	0.038523	-3.28103
MTMR9LP	0.367678	-0.37185	2.721268	0.013202	0.038541	-3.2816
WBSCR28	1.097044	-0.4406	2.706718	0.015643	0.043975	-3.28164
ZAR1	0.525661	-0.22965	2.733921	0.014209	0.040794	-3.28247
HOXC12	-0.75404	-0.14135	-2.72497	0.013502	0.039217	-3.2826
NQO1	0.771286	-0.1389	2.724672	0.013511	0.039226	-3.28319
RTN3	-1.14806	0.661684	-2.72047	0.013225	0.038602	-3.28321
SLC39A7	-0.37211	0.254909	-2.71974	0.013247	0.038653	-3.2847
ATXN7	-1.10898	0.528261	-2.71961	0.01325	0.038657	-3.28494
PPIF	0.649492	-0.3877	2.71922	0.013262	0.038683	-3.28574
LOC254128	-0.89984	0.677925	-2.71895	0.013269	0.038696	-3.28628
TSR1	-0.62883	0.64103	-2.71886	0.013272	0.038698	-3.28646
AFG3L1P	-0.70358	0.496231	-2.71873	0.013276	0.0387	-3.28673
C12orf24	0.555407	-0.20181	2.718662	0.013278	0.0387	-3.28686
VWF	1.205555	-0.40739	2.718642	0.013278	0.0387	-3.28691
LOC643988	0.635605	-0.15593	2.717801	0.013303	0.038759	-3.2886
EXOC5	-0.79564	0.161909	-2.71765	0.013307	0.038766	-3.2889
USP8	-0.75544	0.1471	-2.71749	0.013312	0.038774	-3.28923
CDH3	0.515425	-0.36936	2.717399	0.013315	0.038776	-3.28941
GTF3C6	-0.46394	0.304092	-2.71726	0.013318	0.03878	-3.28968
TARP	1.123511	-0.08864	2.716833	0.013331	0.038801	-3.29056
CABP1	0.753297	-0.51486	2.717315	0.016797	0.046439	-3.29249
MFSD7	-0.5415	0.33497	-2.71528	0.013377	0.038928	-3.2937
MORN3	1.133109	-0.67717	2.693199	0.015468	0.043566	-3.29373
ZNF444	0.429907	-0.21716	2.714808	0.01339	0.038962	-3.29464
GGT2	-0.62097	0.13511	-2.71343	0.013431	0.039073	-3.29741
LTA4H	-0.60489	0.317948	-2.71317	0.013438	0.039084	-3.29794
C4orf7	1.001305	-0.44302	2.697989	0.015924	0.044619	-3.29811

SLC22A8	0.610618	-0.23559	2.712957	0.013445	0.039095	-3.29838
RNF31	-0.39149	0.421443	-2.71291	0.013446	0.039095	-3.29847
KLC4	-0.52264	0.645702	-2.71248	0.013459	0.039124	-3.29934
D4S234E	1.288684	-0.74045	2.712437	0.01346	0.039124	-3.29942
KIF15	-1.00517	0.443237	-2.71206	0.013471	0.03915	-3.30018
C6orf48	1.049184	-0.90784	2.711769	0.01348	0.039169	-3.30077
SRCIN1	0.691754	-0.51739	2.682998	0.015258	0.043153	-3.30093
LOC100121	-0.54624	-0.06279	-2.7114	0.013491	0.03919	-3.30152
GPATCH2	-0.60462	0.171122	-2.71094	0.013504	0.039217	-3.30244
ALK	-0.85371	0.211385	-2.7107	0.013511	0.039226	-3.30292
IL13RA2	-0.72273	0.142693	-2.70298	0.014626	0.041672	-3.30303
ZNF490	-0.40763	0.030028	-2.71002	0.013531	0.039278	-3.30429
BRIX1	-0.79529	0.453909	-2.70963	0.013543	0.039306	-3.30509
TBC1D9B	-0.45647	0.470885	-2.70857	0.013574	0.039386	-3.30723
NDUFB11	0.602755	-0.35763	2.708479	0.013577	0.039388	-3.3074
ZNF544	-1.15547	0.923266	-2.70771	0.0136	0.039442	-3.30895
PAFAH1B2	-0.57405	0.226754	-2.70731	0.013612	0.039471	-3.30976
HOXC9	-0.55459	-0.27889	-2.7112	0.013909	0.040137	-3.31004
TTC22	0.654709	0.158212	2.706497	0.013636	0.039535	-3.3114
C7orf60	-1.10743	0.467683	-2.706	0.013651	0.039567	-3.3124
PLAGL1	-1.02274	0.706768	-2.7057	0.01366	0.039586	-3.31299
AVPR1A	-0.39652	0.178559	-2.70464	0.013691	0.039673	-3.31513
ETF1	-0.38205	-0.111	-2.70446	0.013697	0.039678	-3.31551
RPL36AL	-0.99103	0.964026	-2.70438	0.013699	0.039678	-3.31567
KCTD2	-0.40854	0.301124	-2.70415	0.013706	0.039687	-3.31613
UBN1	0.671202	-0.20026	2.704134	0.013706	0.039687	-3.31616
ACRC	-0.90294	0.905191	-2.70241	0.013758	0.039824	-3.31962
LOC100130	0.507439	-0.41335	2.702331	0.013761	0.039824	-3.31979
LOC440131	-0.82075	0.273101	-2.70227	0.013762	0.039824	-3.31991
CAB39L	-1.1706	0.423265	-2.70227	0.013762	0.039824	-3.31992
ZMAT5	-0.40729	0.2771	-2.70223	0.013764	0.039824	-3.31999
ITPKA	0.713728	-0.11157	2.702012	0.01377	0.039836	-3.32043
CHCHD6	0.630078	-0.38829	2.701697	0.01378	0.039855	-3.32106
S100A16	0.568252	-0.24887	2.701664	0.013781	0.039855	-3.32113
CERS5	-0.32646	-0.08031	-2.70114	0.013796	0.039894	-3.32218
C4orf42	-0.58214	0.550015	-2.70107	0.013798	0.039894	-3.32232
TTY20	-1.13893	0.471004	-2.70094	0.013802	0.039894	-3.32258
ACMSD	0.7172	-0.23494	2.700941	0.013802	0.039894	-3.32258
LRRC58	-0.83096	0.158492	-2.70062	0.013812	0.039917	-3.32324
PTPRZ1	-0.81374	0.0486	-2.70016	0.013826	0.03995	-3.32415
MYCNOS	0.458206	-0.32595	2.699864	0.013835	0.039971	-3.32475
C6orf47	-0.42779	0.402896	-2.69967	0.013841	0.039982	-3.32515
LCE2B	0.442393	-0.32628	2.699565	0.013844	0.039985	-3.32535
PPP6C	-0.85719	0.257141	-2.69936	0.01385	0.039997	-3.32577
IGFALS	0.7208	-0.30104	2.702159	0.014182	0.040734	-3.32802
HIST1H1T	0.716968	-0.10697	2.698022	0.013891	0.040099	-3.32846
PIEZO1	0.707198	-0.11069	2.697993	0.013892	0.040099	-3.32852

NSMCE2	-1.02904	-0.09841	-2.69769	0.013901	0.040119	-3.32912
GPT	0.375496	-0.27779	2.697243	0.013914	0.040147	-3.33003
LOC100285	-0.4876	0.063033	-2.70446	0.01458	0.041584	-3.33148
LOC100501	-0.47374	0.232762	-2.69651	0.013937	0.040206	-3.33151
APOLD1	0.763256	-0.73441	2.696097	0.013949	0.040236	-3.33233
ENTPD1	-1.43388	1.125532	-2.69597	0.013953	0.040236	-3.33259
NFYA	-0.54757	0.424013	-2.69596	0.013953	0.040236	-3.33261
HDAC5	-0.69726	0.87013	-2.69578	0.013959	0.04024	-3.33296
ANKRD34B	-1.36031	0.222301	-2.69578	0.013959	0.04024	-3.33297
LOC100506	0.828184	-0.63505	2.703629	0.014606	0.041627	-3.33311
STARD13	-0.79138	0.164695	-2.69567	0.013962	0.040243	-3.33318
C16orf5	0.791803	-0.03051	2.695487	0.013968	0.040248	-3.33356
KIF14	0.679964	-0.15569	2.695481	0.013968	0.040248	-3.33357
CA5A	-0.7349	0.58132	-2.69528	0.013974	0.04026	-3.33398
FAM103A1	-0.46953	0.142607	-2.69513	0.013979	0.040267	-3.33428
C2orf49	-0.85214	0.122074	-2.695	0.013983	0.040273	-3.33453
NPTX1	1.285701	-0.79668	2.697865	0.014314	0.041028	-3.33655
LOC100133	-0.70385	0.235227	-2.69773	0.014318	0.041035	-3.33682
SESN3	0.87575	-0.26949	2.693792	0.01402	0.040373	-3.33697
EXD1	0.532056	-0.54498	2.701659	0.014667	0.041771	-3.33698
RPL13P5	-0.59283	0.140991	-2.69365	0.014024	0.04038	-3.33726
MTL5	-0.9438	0.436161	-2.69252	0.014058	0.04047	-3.33952
CCDC22	-0.40257	0.291155	-2.69249	0.014059	0.04047	-3.33957
VKORC1L1	-1.20471	0.740557	-2.69233	0.014064	0.040472	-3.3399
IL17A	0.551436	-0.43779	2.692332	0.014064	0.040472	-3.3399
FAHD1	0.505481	-0.32512	2.692154	0.01407	0.040482	-3.34026
C16orf54	-0.77164	0.797829	-2.69175	0.014082	0.040512	-3.34108
PPP1R15A	-0.43806	0.699862	-2.69163	0.014086	0.040515	-3.34132
LOC439945	1.260705	-0.8455	2.69158	0.014087	0.040515	-3.34141
METTL2A	0.499883	-0.14642	2.695035	0.014402	0.041237	-3.34217
CEL	-0.77725	0.553635	-2.69111	0.014102	0.040545	-3.34235
KIAA0922	-0.98405	0.811378	-2.69076	0.014113	0.04057	-3.34307
KRTAP4-9	-0.64954	0.122846	-2.69449	0.014418	0.041261	-3.34325
GTPBP6	-0.75082	0.679442	-2.69024	0.014129	0.040609	-3.3441
SSX8	0.530902	-0.03405	2.697987	0.014781	0.04204	-3.34417
SP1	-0.92391	0.591733	-2.69012	0.014132	0.040615	-3.34435
KRTAP4-8	0.435986	-0.56219	2.689672	0.014146	0.040648	-3.34525
SLC1A1	-0.65286	0.114994	-2.68957	0.014149	0.040651	-3.34545
LOC100133	-0.52613	0.688481	-2.68905	0.014165	0.040692	-3.3465
UFC1	-0.5823	0.6354	-2.688	0.014198	0.040773	-3.34861
RBPJL	0.468168	-0.25437	2.68771	0.014207	0.040793	-3.34919
LOC100501	-0.80801	0.234205	-2.68733	0.014218	0.040814	-3.34994
ATXN3	-1.14517	0.844336	-2.68689	0.014232	0.040848	-3.35083
NCDN	-0.59734	0.927809	-2.68641	0.014247	0.040885	-3.3518
TMTC3	-0.84485	0.397018	-2.68592	0.014263	0.040917	-3.35279
PIGW	-0.74457	0.156726	-2.68561	0.014272	0.040936	-3.3534
NSUN5	-0.40874	0.434472	-2.68556	0.014273	0.040936	-3.35349

KCNJ16	-0.89784	0.006092	-2.68543	0.014278	0.040942	-3.35376
OLAH	-2.77411	1.485961	-2.68475	0.014299	0.040997	-3.35513
INPP5A	-0.80228	0.551926	-2.68458	0.014304	0.041006	-3.35548
CH25H	-0.91589	0.108359	-2.6752	0.015512	0.043663	-3.35724
ARHGAP11	-0.94553	0.64188	-2.68296	0.014355	0.041133	-3.35872
PNLIP	-0.47749	0.108848	-2.69026	0.015025	0.042624	-3.35929
DYNLRB2	-0.84118	0.084773	-2.68266	0.014364	0.041154	-3.35932
CADPS	-0.82113	0.309011	-2.68231	0.014375	0.041176	-3.36003
MAP3K3	-0.63534	0.609431	-2.68228	0.014376	0.041176	-3.3601
SNHG1	0.833852	-0.71492	2.681768	0.014392	0.041216	-3.36111
C8orf22	-0.51342	-0.09254	-2.68526	0.014708	0.041868	-3.36157
EEF1D	-0.75008	0.819287	-2.68137	0.014405	0.04124	-3.36191
SNX24	0.548373	-0.04105	2.681295	0.014407	0.04124	-3.36206
DCP1B	0.666827	-0.16619	2.680975	0.014417	0.041261	-3.3627
KIF20B	-1.19023	0.410274	-2.68083	0.014422	0.041264	-3.363
NARFL	0.372454	-0.10896	2.680711	0.014425	0.041269	-3.36323
GAK	-0.60795	0.649264	-2.68046	0.014433	0.041285	-3.36373
MED23	-0.84512	0.150317	-2.68033	0.014437	0.041291	-3.36399
ZNF701	0.79234	-0.39446	2.680131	0.014444	0.041303	-3.3644
TOR1AIP2	-0.83719	0.491977	-2.67995	0.014449	0.041313	-3.36476
UBL3	-0.66578	0.071881	-2.67961	0.01446	0.041332	-3.36545
CTNNA2	-0.57531	0.249261	-2.6796	0.01446	0.041332	-3.36546
APRT	0.988983	-0.40472	2.678926	0.014482	0.041387	-3.36682
PHF8	-0.79921	0.45094	-2.67848	0.014496	0.041422	-3.36771
PURA	0.307176	-0.00602	2.678201	0.014504	0.041441	-3.36827
FAM8A1	-1.00108	0.590148	-2.67799	0.014511	0.041454	-3.3687
GIMAP4	-0.79886	0.87145	-2.67769	0.014521	0.04147	-3.36929
GLOD5	-1.15867	0.619937	-2.67768	0.014521	0.04147	-3.36932
IFNA21	-0.60016	-0.02324	-2.67722	0.014535	0.041498	-3.37023
ZNF451	-0.7704	-0.06869	-2.67714	0.014538	0.041498	-3.37041
EPSTI1	-1.901	1.407082	-2.67713	0.014538	0.041498	-3.37041
DEDD2	-0.50814	0.752935	-2.6771	0.014539	0.041498	-3.37048
SERF2	-0.37173	0.454959	-2.67704	0.014541	0.041498	-3.37061
TANC1	-0.42196	-0.09097	-2.67637	0.014563	0.041551	-3.37195
LOC64532:	-0.94514	0.324477	-2.67631	0.014564	0.041551	-3.37206
COBL	-0.59424	0.139396	-2.66722	0.015775	0.044303	-3.37276
PDCD10	-1.11506	-0.15695	-2.67585	0.014579	0.041584	-3.37299
COQ2	-1.2032	0.432419	-2.67574	0.014583	0.041585	-3.37321
KCNRG	0.647111	-0.65144	2.672164	0.018343	0.049644	-3.37424
BET1	-0.85284	0.250015	-2.67519	0.0146	0.041626	-3.3743
LPAR2	-0.86146	0.707146	-2.67511	0.014602	0.041626	-3.37446
C9orf78	0.877982	-0.16107	2.675082	0.014603	0.041626	-3.37452
CAMK1	1.044152	-0.24616	2.674449	0.014623	0.041671	-3.37579
MGA	0.613244	-0.24793	2.673948	0.014639	0.041705	-3.37679
PLCD4	0.664047	-0.07638	2.677562	0.014953	0.042456	-3.37682
IFI16	-1.04735	1.249325	-2.67379	0.014645	0.041713	-3.37712
PARL	-0.61175	-0.32953	-2.67214	0.014697	0.041845	-3.38041

PSPH	-0.60135	0.387395	-2.67171	0.014711	0.041872	-3.38128
RPS26	1.331955	-0.84273	2.671494	0.014718	0.041886	-3.38171
LOC100506	1.02378	-0.93749	2.620118	0.018	0.048966	-3.38199
ALX4	0.687281	-0.21724	2.671105	0.01473	0.041915	-3.38249
DNAI2	0.989252	-0.62353	2.675656	0.0192	0.051326	-3.38262
ZC3H14	-0.37349	0.428914	-2.67094	0.014736	0.041924	-3.38283
HSD17B8	0.752558	-0.59568	2.669553	0.01478	0.04204	-3.3856
POMT2	-0.33496	0.262757	-2.66947	0.014783	0.04204	-3.38577
CALM1	-0.42897	0.343628	-2.66898	0.014799	0.042079	-3.38674
CRLF1	0.409781	-0.39012	2.668116	0.014827	0.042152	-3.38847
TM4SF19	0.76536	-0.32593	2.640402	0.019513	0.052027	-3.38878
WFDC13	-0.8205	-0.03943	-2.66686	0.014867	0.042261	-3.39098
WRNIP1	-0.73293	0.43423	-2.66664	0.014874	0.042275	-3.39143
CASC1	0.739106	-0.16188	2.666494	0.014879	0.042282	-3.39172
CORO1A	-0.48404	0.569495	-2.66548	0.014912	0.042369	-3.39375
NCR3	1.010415	-0.63574	2.665421	0.014914	0.042369	-3.39387
SERPINA1	-0.68046	0.437842	-2.66523	0.01492	0.042381	-3.39425
SPACA3	0.474168	-0.18065	2.664919	0.01493	0.042403	-3.39487
TRMT12	-0.65989	0.353855	-2.66459	0.014941	0.042427	-3.39553
LOC100507	0.602408	-0.39145	2.663565	0.014974	0.04251	-3.39758
KIAA1797	0.603516	-0.29351	2.662985	0.014993	0.042557	-3.39874
DERL1	-0.37946	0.111138	-2.66269	0.015003	0.042578	-3.39933
F13A1	1.442824	-0.58236	2.66214	0.015021	0.042623	-3.40043
POTEE	-0.8113	0.643149	-2.66206	0.015023	0.042624	-3.40058
KCNF1	-0.94819	0.29782	-2.66128	0.015049	0.042685	-3.40215
HORMAD2	0.324	-0.21776	2.667853	0.015754	0.04425	-3.40307
DNAJA4	0.966539	-0.2418	2.660699	0.015068	0.042732	-3.40331
SOST	-0.56462	0.15268	-2.66033	0.01508	0.042755	-3.40405
PCSK1	-0.64569	0.005335	-2.66032	0.01508	0.042755	-3.40408
ZNF789	0.419764	-0.15286	2.663491	0.015411	0.043455	-3.40465
ZNF137P	-0.66219	0.172015	-2.65543	0.016731	0.046322	-3.40498
MLN	0.586726	-0.28416	2.659398	0.01511	0.042833	-3.40591
KLF16	-0.4585	0.370793	-2.65935	0.015112	0.042833	-3.406
PEBP4	0.832227	-0.09027	2.645519	0.016016	0.044832	-3.40616
TUBB	-0.8898	1.110083	-2.65923	0.015116	0.042838	-3.40625
LCE2C	0.555263	-0.61016	2.659021	0.015123	0.042846	-3.40666
MRPS18A	-0.45691	0.322116	-2.65901	0.015123	0.042846	-3.40669
WFDC3	0.551379	-0.33065	2.658709	0.015133	0.042868	-3.40729
LZTR1	-0.46007	0.19618	-2.65814	0.015152	0.042915	-3.40843
ZMYND8	-0.61947	0.4146	-2.65806	0.015154	0.042916	-3.40859
ZPLD1	-0.45721	0.091442	-2.65775	0.015165	0.042938	-3.4092
C19orf68	0.525112	-0.16342	2.657311	0.015179	0.042973	-3.41008
NFE2L2	-0.81845	0.474076	-2.65709	0.015186	0.042982	-3.41052
ACTC1	-0.6618	0.385852	-2.65708	0.015187	0.042982	-3.41054
C9orf11	0.625069	-0.01255	2.660498	0.015511	0.043663	-3.41056
PC	0.848341	-0.16402	2.656767	0.015197	0.043006	-3.41117
IL3RA	-1.02481	0.087559	-2.65668	0.0152	0.043008	-3.41135

HYDIN	0.490173	-0.32769	2.647248	0.016455	0.045764	-3.41155
AMD1	0.615553	-0.21942	2.655671	0.015233	0.043096	-3.41336
POU3F2	1.155477	-0.92482	2.635428	0.018089	0.049158	-3.41556
MDFI	0.401931	-0.31512	2.654109	0.015285	0.043213	-3.41648
IKBKE	-0.39692	0.510148	-2.65408	0.015286	0.043213	-3.41653
POMGNT1	0.674445	-0.31453	2.653846	0.015294	0.04323	-3.417
OR51G1	-0.51387	0.154037	-2.65378	0.015296	0.04323	-3.41714
DKK3	-1.02339	0.425435	-2.65346	0.015307	0.043249	-3.41777
NPM3	0.642472	-0.44045	2.653442	0.015307	0.043249	-3.41781
VAPB	-0.6506	0.353796	-2.65276	0.01533	0.043307	-3.41917
XPO1	-0.98316	0.612405	-2.65235	0.015344	0.043339	-3.41999
TCTN3	0.565909	-0.17095	2.652257	0.015347	0.043342	-3.42017
FUT6	0.381425	-0.30839	2.652097	0.015352	0.043346	-3.42049
CCDC62	0.696957	-0.23638	2.652017	0.015355	0.043346	-3.42065
GSDMD	-0.62689	0.581323	-2.65201	0.015355	0.043346	-3.42067
UBE2W	-0.82301	-0.12842	-2.65174	0.015364	0.043365	-3.42121
GBP3	-1.57715	0.900546	-2.65162	0.015368	0.04337	-3.42144
APOF	0.608651	-0.22558	2.651331	0.015378	0.043391	-3.42202
GOLPH3	-0.70012	0.099245	-2.65113	0.015384	0.043398	-3.42242
C14orf118	-1.20574	0.46462	-2.65113	0.015384	0.043398	-3.42243
IFNAR2	-0.59475	0.354312	-2.65446	0.015713	0.044139	-3.42247
KCNG1	0.712945	-0.12695	2.650874	0.015393	0.043413	-3.42294
POU2F2	-0.85302	1.26057	-2.65084	0.015394	0.043413	-3.423
SP140L	-1.37501	1.303112	-2.64998	0.015423	0.043481	-3.42471
MAPKAP1	-1.22243	0.974857	-2.64944	0.015441	0.043525	-3.42579
NDC80	-1.12866	0.941038	-2.64937	0.015443	0.043525	-3.42593
COX7A2L	-0.4758	-0.09361	-2.64932	0.015445	0.043525	-3.42603
ADSS	-0.52343	0.077091	-2.64891	0.015459	0.043547	-3.42686
MAP4K2	-0.49966	0.768245	-2.64889	0.015459	0.043547	-3.42689
ACAT1	-0.77217	0.055927	-2.64889	0.01546	0.043547	-3.4269
ATP2B3	0.562978	-0.71894	2.648166	0.015484	0.043603	-3.42834
TRUB2	0.843995	0.084738	2.634059	0.016414	0.045684	-3.42865
FTSJD1	-0.80506	0.208631	-2.64719	0.015517	0.04367	-3.43029
ZNF576	-0.40302	0.226781	-2.64623	0.015549	0.043755	-3.43219
CCL2	0.997741	-0.41769	2.645944	0.015559	0.043776	-3.43277
C14orf45	1.018471	-0.39903	2.644582	0.015605	0.043899	-3.43548
TSEN34	-0.76742	0.463958	-2.64447	0.015608	0.043904	-3.43571
CFD	1.343226	-0.63831	2.64421	0.015617	0.043919	-3.43623
RPL18	0.94167	-0.4886	2.644179	0.015618	0.043919	-3.43629
LINC00189	0.970301	-0.32816	2.612888	0.017688	0.048333	-3.43636
C6orf211	-0.89206	-0.11934	-2.64388	0.015629	0.043941	-3.43689
ABCB8	-0.40649	0.42018	-2.64286	0.015663	0.044026	-3.43892
IRS4	0.801194	-0.47386	2.646097	0.015997	0.044802	-3.43896
MYNN	-0.73202	0.023228	-2.6424	0.015679	0.044063	-3.43984
SDCCAG8	-0.97885	0.839135	-2.6422	0.015685	0.044074	-3.44022
LYPD5	-0.96746	0.536165	-2.64216	0.015687	0.044074	-3.44031
RHOA	-0.78271	0.491805	-2.63939	0.015781	0.044314	-3.44583

ADRBK2	-0.62651	0.518295	-2.63852	0.015811	0.044391	-3.44757
SPICE1	-0.49763	0.195109	-2.63833	0.015818	0.044403	-3.44793
LINC00161	0.596694	-0.2114	2.638147	0.015824	0.044414	-3.44831
FAM122C	-1.21148	0.443253	-2.64134	0.01616	0.045138	-3.44833
ZNF345	0.519102	-0.16012	2.641127	0.016168	0.045152	-3.44875
SFT2D1	-0.66058	-0.04161	-2.6376	0.015843	0.044457	-3.44939
AKD1	-1.21893	0.588918	-2.63757	0.015844	0.044457	-3.44945
COPS4	-0.74322	0.067121	-2.63721	0.015856	0.044486	-3.45018
FOXA1	0.614005	-0.06091	2.637105	0.01586	0.044489	-3.45038
HSF5	-0.86986	0.280073	-2.63696	0.015865	0.044497	-3.45066
CPNE2	-0.60841	0.627011	-2.63635	0.015886	0.044543	-3.45189
NAB1	-1.00041	0.780964	-2.6362	0.015891	0.044551	-3.45218
IGSF3	0.378172	-0.05768	2.635677	0.015909	0.044589	-3.45322
HUS1B	-0.45186	0.167775	-2.6354	0.015919	0.04461	-3.45378
FAM36A	-0.38193	0.086713	-2.63453	0.015949	0.044681	-3.45551
USP32	-0.927	0.274619	-2.63421	0.01596	0.044706	-3.45614
ZBTB26	-1.0778	0.49454	-2.63306	0.016	0.044804	-3.45843
CHFR	-0.97709	0.716966	-2.63296	0.016003	0.044808	-3.45863
AKR7L	0.537567	-0.11931	2.632618	0.016015	0.044832	-3.45931
RPS28	0.93556	-0.53739	2.632359	0.016024	0.044847	-3.45983
LETMD1	0.498532	-0.46461	2.631823	0.016043	0.044886	-3.46089
RABAC1	-0.47646	0.348692	-2.63175	0.016045	0.044887	-3.46103
SORBS1	0.449377	-0.23416	2.631682	0.016047	0.044887	-3.46117
ANKRD37	-1.10849	0.571504	-2.63155	0.016052	0.044893	-3.46144
GTF2IRD2	-0.44665	0.065579	-2.63149	0.016054	0.044893	-3.46156
ETNK2	-1.21027	0.43847	-2.61723	0.017015	0.046883	-3.4616
SYNDIG1	-0.6297	0.164212	-2.63457	0.016396	0.04566	-3.46165
SMA4	-0.71898	0.565113	-2.63138	0.016058	0.044897	-3.46177
TCEB3	-0.46004	0.494926	-2.63088	0.016075	0.04494	-3.46277
XRCC6	0.607145	-0.22223	2.629897	0.01611	0.045022	-3.46472
OPRK1	0.431341	-0.08627	2.629286	0.016131	0.045076	-3.46594
PISD	-0.81156	0.607721	-2.62874	0.01615	0.045123	-3.46702
WWC2	0.523121	-0.11083	2.61814	0.017494	0.047939	-3.46785
H1FOO	-0.56368	0.187331	-2.6274	0.016197	0.045228	-3.46968
USP53	0.674728	-0.63661	2.627037	0.01621	0.045257	-3.47041
GULP1	1.315973	-0.82277	2.571219	0.023396	0.059714	-3.47067
TOPBP1	-1.96691	0.565342	-2.6249	0.01848	0.049909	-3.4718
PRKG1	-0.34075	0.053106	-2.62628	0.016236	0.045322	-3.47191
ASZ1	0.559703	-0.22589	2.62624	0.016238	0.045322	-3.47199
HIPK4	0.760328	-0.35491	2.626068	0.016244	0.045327	-3.47233
DNAL1	0.720953	-0.20547	2.626061	0.016244	0.045327	-3.47235
ANKRD46	0.612338	-0.12229	2.625592	0.016261	0.045367	-3.47328
RNF181	-0.3734	0.232046	-2.62548	0.016265	0.045371	-3.4735
PRDM8	0.453226	-0.18135	2.625368	0.016268	0.045376	-3.47373
ZBTB7A	-0.55282	0.719751	-2.62506	0.016279	0.0454	-3.47434
OSBPL11	-0.98462	0.692341	-2.62495	0.016283	0.045404	-3.47456
UNKL	-0.52667	0.411748	-2.62479	0.016289	0.045413	-3.47487

EGR4	-0.77735	0.475045	-2.62771	0.016638	0.04619	-3.47513
SNORD22	-0.37924	0.06591	-2.62464	0.016294	0.045421	-3.47516
LOC10013:	-0.73606	-0.08984	-2.6135	0.017666	0.048303	-3.4768
EIF3J	0.468979	-0.68452	2.623403	0.016338	0.045537	-3.47763
CRABP2	-0.55325	0.504366	-2.62313	0.016348	0.045558	-3.47818
LOC20218:	-0.66651	0.459401	-2.62268	0.016363	0.045589	-3.47906
ATP5L	-0.68578	-0.07585	-2.62268	0.016364	0.045589	-3.47907
TGFA	-1.80391	1.345667	-2.62214	0.016383	0.045629	-3.48013
SUCLA2	-0.70419	-0.09495	-2.60742	0.017374	0.047659	-3.48076
MMP24	0.494338	-0.54344	2.627821	0.017142	0.047159	-3.4809
SEMA4A	-0.79897	0.663687	-2.62168	0.016399	0.045661	-3.48105
EPHB2	0.57501	-0.10466	2.62135	0.016411	0.045684	-3.4817
HIRIP3	0.652918	0.087337	2.621309	0.016412	0.045684	-3.48179
CAMKK1	-0.99043	0.720596	-2.62102	0.016422	0.045693	-3.48235
SUZ12	-0.45311	0.252433	-2.62098	0.016424	0.045693	-3.48243
CCDC142	-0.6104	0.490353	-2.62097	0.016424	0.045693	-3.48246
PLA2G2D	0.396242	-0.52526	2.620256	0.01645	0.045757	-3.48388
KIAA1468	-0.66896	0.082611	-2.61996	0.01646	0.045767	-3.48447
ARFRP1	-0.52182	0.340319	-2.61995	0.01646	0.045767	-3.48448
BMP3	-1.07344	0.578938	-2.62271	0.016817	0.046481	-3.48494
FLJ34690	1.058912	-0.44099	2.55161	0.02318	0.059314	-3.48737
A2M	0.495061	-0.25242	2.617733	0.01654	0.045975	-3.48888
MED25	-0.78314	1.249048	-2.61688	0.01657	0.046054	-3.49058
TFCP2L1	0.587882	-0.42956	2.616761	0.016574	0.046059	-3.49081
RAB14	-0.56782	0.483238	-2.61637	0.016588	0.046091	-3.49159
GP9	0.750951	-0.19012	2.615811	0.016609	0.046134	-3.4927
LMO2	-0.74782	0.578119	-2.61581	0.016609	0.046134	-3.4927
BAAT	0.661614	-0.67494	2.62445	0.01784	0.048658	-3.49309
CD200R1	0.83793	-0.24638	2.601036	0.017612	0.048184	-3.49322
LOC64373:	0.938695	-0.66433	2.615505	0.016619	0.046158	-3.4933
KDM4C	-0.46285	0.250111	-2.61526	0.016628	0.046175	-3.49379
CEP95	-0.87078	0.712873	-2.61511	0.016634	0.046184	-3.49409
LOC10050:	-1.09246	0.416619	-2.61484	0.016643	0.046195	-3.49461
ERP29	-0.41305	0.3103	-2.61481	0.016645	0.046195	-3.49468
SLC15A2	-0.73904	0.482273	-2.61467	0.01665	0.046202	-3.49496
RBMV1B	-0.76604	0.220302	-2.6146	0.016652	0.046203	-3.49511
VGLL1	0.46951	-0.20489	2.614314	0.016662	0.046224	-3.49566
FAM113A	0.42541	-0.1343	2.614234	0.016665	0.046226	-3.49582
Sep-07	-0.65961	0.230225	-2.61416	0.016668	0.046227	-3.49598
KCNC3	0.523844	-0.40453	2.614017	0.016673	0.046233	-3.49625
COG6	-0.58971	0.093786	-2.61396	0.016675	0.046233	-3.49636
TMX3	-0.79336	0.257252	-2.61678	0.017031	0.046921	-3.49657
FADS1	0.593964	0.011034	2.613835	0.01668	0.04624	-3.49661
SMPD1	-0.61408	0.754502	-2.61369	0.016685	0.046247	-3.4969
CYBASC3	0.639318	-0.14123	2.613418	0.016695	0.046257	-3.49744
TP53TG1	-0.54221	0.327787	-2.6134	0.016695	0.046257	-3.49747
BRD7P3	-0.65394	0.048072	-2.61632	0.017048	0.046958	-3.49747

DUSP12	-0.46428	0.034526	-2.6134	0.016695	0.046257	-3.49748
WDR25	0.401083	0.053437	2.613315	0.016698	0.046259	-3.49764
ATP13A4	-0.91651	0.283083	-2.61291	0.016713	0.046292	-3.49844
SLC9A3R1	1.209523	-0.33085	2.612835	0.016716	0.046294	-3.4986
ATP1A1OS	-0.68614	0.501933	-2.61254	0.016726	0.046317	-3.49918
BLOC1S2	-0.8135	-0.13036	-2.61236	0.016733	0.046322	-3.49954
SOD2	-0.80422	0.663488	-2.61225	0.016737	0.046326	-3.49976
LOC38902	-0.66522	-0.21648	-2.61772	0.01751	0.047969	-3.50046
SNX5	-0.63265	0.477286	-2.61165	0.016759	0.04638	-3.50094
HLCS	0.877548	-0.18394	2.611379	0.016768	0.0464	-3.50148
TRIP6	-0.64309	0.724021	-2.61108	0.016779	0.046419	-3.50207
ATP5D	0.605791	-0.25052	2.61101	0.016782	0.046419	-3.50221
CERK	-1.35078	0.619943	-2.611	0.016782	0.046419	-3.50223
TP73-AS1	-0.94666	0.894753	-2.61093	0.016785	0.04642	-3.50238
TTC7B	-1.0458	0.875043	-2.61064	0.016795	0.046439	-3.50295
MPP2	0.45108	-0.23586	2.609937	0.016821	0.046483	-3.50434
GTF2H5	-0.7459	0.179233	-2.60989	0.016822	0.046483	-3.50443
MRGPRX4	0.551432	-0.21907	2.609798	0.016826	0.046483	-3.50461
SNX22	0.833262	-0.40957	2.609742	0.016828	0.046483	-3.50473
ACTR3BP2	-0.71811	0.217773	-2.60971	0.016829	0.046483	-3.5048
CAPN5	0.81531	-0.10362	2.609632	0.016832	0.046484	-3.50494
PENK	-0.92058	0.11251	-2.59501	0.01784	0.048658	-3.50496
CSRP2BP	0.725088	-0.4644	2.609171	0.016849	0.04652	-3.50586
FXR1	-0.74205	0.489969	-2.60915	0.01685	0.04652	-3.50591
RASAL2	0.93506	0.124607	2.609055	0.016853	0.046522	-3.50609
LOC44089	0.449407	-0.28513	2.608993	0.016855	0.046522	-3.50621
LOC10050	-0.6646	0.369559	-2.6086	0.016869	0.046555	-3.50698
STAT2	-0.91092	0.584273	-2.6084	0.016877	0.046569	-3.50739
TMEM115	-0.54833	0.582397	-2.60822	0.016883	0.04658	-3.50774
LOC10012	0.490305	-0.59585	2.607922	0.016894	0.046604	-3.50833
ZNF425	-0.696	0.441631	-2.60749	0.01691	0.046641	-3.50919
OSR2	-0.70457	-0.06006	-2.6065	0.016946	0.046734	-3.51115
RPF2	-0.72666	0.585622	-2.60634	0.016952	0.046743	-3.51146
LOC10050	0.938299	-0.7019	2.573411	0.019215	0.051349	-3.51195
PGM1	-0.62021	0.487307	-2.60593	0.016967	0.046778	-3.51227
ADAMTS9	0.483381	-0.18467	2.605564	0.016981	0.046809	-3.513
LHX2	0.884434	-0.80926	2.582978	0.020118	0.053213	-3.51324
CCDC125	-0.87837	0.635151	-2.60499	0.017002	0.046859	-3.51414
WNT1	0.44916	-0.32122	2.604942	0.017003	0.046859	-3.51423
HBB	2.305138	-2.67045	2.481094	0.02556	0.063785	-3.51461
CLUL1	0.454998	-0.13186	2.606587	0.017405	0.047731	-3.51653
SLC12A5	0.319934	-0.09693	2.6037	0.017049	0.046958	-3.51669
AGBL2	-0.61533	0.296991	-2.60334	0.017062	0.046984	-3.5174
EPS15L1	-0.67105	0.66271	-2.60331	0.017063	0.046984	-3.51745
AMMECR1	-0.43067	0.114409	-2.60314	0.01707	0.046995	-3.5178
HAUS7	0.322444	-0.25423	2.602635	0.017088	0.04704	-3.5188
TAF4B	-0.74347	0.41889	-2.6025	0.017093	0.047047	-3.51906

KRT16P2	-0.62367	0.165397	-2.60226	0.017102	0.047065	-3.51954
C6orf130	-0.39004	0.118505	-2.60115	0.017143	0.047159	-3.52174
C13orf15	1.097003	-0.19795	2.601134	0.017144	0.047159	-3.52177
PLEKHH1	-0.36562	-0.05611	-2.60372	0.017512	0.047969	-3.52213
GPR173	0.5168	-0.33893	2.600729	0.017159	0.047194	-3.52257
B3GAT2	0.573445	-0.30018	2.603473	0.017521	0.047988	-3.52262
PTPRF	1.338485	-0.2822	2.537515	0.029775	0.071788	-3.52315
TCP10L2	0.487075	-0.27764	2.600038	0.017184	0.047258	-3.52393
KPNA4	-0.83045	0.241199	-2.59976	0.017195	0.047279	-3.52448
FAM106A	0.759173	-0.49612	2.584642	0.018237	0.049453	-3.52513
GPD2	-0.72473	0.496747	-2.60202	0.017575	0.048097	-3.52547
GDEP	0.486573	-0.46209	2.59932	0.020237	0.053491	-3.52729
SPATA5L1	-1.0613	0.305952	-2.59778	0.017268	0.04747	-3.52839
LOC100506	-2.17091	1.673223	-2.59772	0.01727	0.04747	-3.52851
C2orf89	1.46132	-0.45113	2.597702	0.017271	0.04747	-3.52855
GUSBP1	-0.66404	0.321021	-2.59712	0.017293	0.047523	-3.52969
PICALM	-1.19589	0.857352	-2.597	0.017297	0.047529	-3.52994
ETNK1	-0.80829	0.412844	-2.59686	0.017303	0.047536	-3.53022
ZNF302	-0.77146	0.220984	-2.59651	0.017316	0.047566	-3.53092
C11orf2	0.632134	-0.27143	2.59629	0.017324	0.047575	-3.53134
RAB10	-0.64962	0.36688	-2.59629	0.017324	0.047575	-3.53135
C20orf79	-0.81326	0.058689	-2.58131	0.018367	0.049687	-3.5316
PKP2	-0.56555	0.082943	-2.59565	0.017348	0.047627	-3.5326
C15orf63	-0.4753	0.622173	-2.59543	0.017356	0.047644	-3.53305
LOC100506	0.785197	-1.13565	2.589962	0.022583	0.058168	-3.5332
OSBPL2	-0.57064	0.465884	-2.59521	0.017364	0.047652	-3.53348
C10orf35	0.869861	-0.62696	2.595108	0.017368	0.047652	-3.53368
DEPDC1	-0.97391	0.306316	-2.5951	0.017369	0.047652	-3.53369
ZNF667	0.684646	-0.30803	2.595083	0.017369	0.047652	-3.53373
FXD1	0.642569	-0.15108	2.579786	0.018427	0.049828	-3.53456
PRSS12	-0.93145	0.272031	-2.58314	0.018827	0.050576	-3.53519
FAM150A	1.006593	-0.50493	2.599652	0.018187	0.049373	-3.53536
SFXN3	-0.68495	0.684566	-2.59413	0.017405	0.047731	-3.53562
UBQLN3	0.572001	-0.49026	2.590483	0.019815	0.052667	-3.53613
C19orf79	-0.78645	0.299039	-2.5928	0.017455	0.047861	-3.53825
LOC64379	-0.57071	0.107091	-2.59228	0.017474	0.047907	-3.53926
TXLNG	-0.87773	0.321058	-2.58098	0.018913	0.050732	-3.53935
TIGD6	0.719348	-0.45647	2.592207	0.017477	0.047909	-3.53941
TC2N	0.851383	-0.72357	2.591808	0.017492	0.047939	-3.5402
DLG1	-0.81079	0.432322	-2.59171	0.017496	0.047939	-3.54038
TCTEX1D1	-1.48064	0.48487	-2.59393	0.017881	0.048722	-3.54127
ERVH-3	0.549161	-0.44441	2.590826	0.017529	0.048004	-3.54214
KDEL3	-0.50671	0.295055	-2.59032	0.017549	0.048048	-3.54313
MEGF11	-0.38688	0.205058	-2.59028	0.01755	0.048048	-3.54322
C3orf19	-0.71641	0.569715	-2.59001	0.01756	0.048069	-3.54374
THEG	0.530488	-0.4956	2.589663	0.017573	0.048097	-3.54443
SPIN1	-0.57	0.300798	-2.57431	0.018642	0.050272	-3.54519

FBXO39	-2.13793	1.123181	-2.58887	0.017604	0.048167	-3.546
GLRA4	0.899387	-0.2574	2.55513	0.019963	0.052944	-3.54678
BDNF	-0.9454	0.250573	-2.58827	0.017626	0.048216	-3.54718
PFKFB1	0.834782	-0.46218	2.554284	0.019998	0.052995	-3.54839
ITGB1BP2	0.667882	-0.13269	2.587324	0.017662	0.048303	-3.54905
CLINT1	-0.74109	-0.10027	-2.58725	0.017665	0.048303	-3.5492
NCALD	0.401617	-0.22766	2.5871	0.017671	0.048311	-3.54949
AOC4	0.449075	-0.54009	2.587015	0.017674	0.048313	-3.54966
CD47	-0.71811	0.069677	-2.5867	0.017686	0.048333	-3.55028
CA8	0.524557	-0.14995	2.586622	0.017689	0.048333	-3.55043
KCNAB3	-0.85839	0.614748	-2.58647	0.017695	0.048343	-3.55074
HNRNPC	-0.4227	0.38925	-2.58621	0.017705	0.048363	-3.55125
CXADRP3	-0.5996	0.279996	-2.58598	0.017714	0.048381	-3.55171
ATG13	-0.42729	0.24605	-2.5856	0.017728	0.048413	-3.55245
RBM7	-0.80868	0.184599	-2.58762	0.018122	0.049235	-3.55358
MGC23284	-0.89714	0.659201	-2.58493	0.017754	0.048476	-3.55377
ZNF202	0.665653	-0.54041	2.58481	0.017758	0.048482	-3.55401
FLJ10038	-0.58572	0.241977	-2.58447	0.017771	0.048511	-3.55467
RHCE	1.163861	-0.24373	2.522293	0.025656	0.063934	-3.55468
TEX264	-0.41395	0.456911	-2.58425	0.01778	0.048528	-3.55512
GCA	-1.38228	0.088512	-2.58384	0.017796	0.048564	-3.55593
LOC650226	0.532514	-0.16549	2.583237	0.017819	0.04862	-3.55711
RBM15B	0.423149	-0.10005	2.582954	0.017829	0.048643	-3.55767
DDB2	0.470415	-0.37789	2.582498	0.017847	0.04867	-3.55857
VAMP5	-0.75994	0.332788	-2.58234	0.017853	0.04868	-3.55888
LUZP4	-0.75292	0.010818	-2.58225	0.017856	0.048682	-3.55905
TP53RK	-0.43904	0.364277	-2.58186	0.017871	0.04871	-3.55982
LOC100130	-0.63847	0.459635	-2.58182	0.017873	0.04871	-3.5599
ZFHX3	0.838561	-0.26757	2.581794	0.017874	0.04871	-3.55995
INTS8	-0.86301	0.403985	-2.58105	0.017903	0.048775	-3.56142
RIN1	0.717152	-0.17939	2.580767	0.017914	0.048793	-3.56198
GSTTP1	0.82213	-0.33673	2.580745	0.017915	0.048793	-3.56202
TCEB1	-0.48427	-0.06002	-2.58035	0.01793	0.048828	-3.56281
KLHL1	-0.53781	0.125902	-2.57998	0.017944	0.04886	-3.56354
DGKH	0.871994	-0.11673	2.579912	0.017947	0.04886	-3.56366
LOC57399	0.324459	-0.09515	2.582332	0.018327	0.049619	-3.56389
YARS	-0.67356	0.845314	-2.57977	0.017952	0.048868	-3.56394
SP110	-0.75347	0.6397	-2.5796	0.017959	0.048879	-3.56428
TOMM40	-0.65819	0.643649	-2.57943	0.017965	0.048888	-3.56462
DYRK3	0.993513	-0.32691	2.579394	0.017967	0.048888	-3.56468
GLB1L3	0.826445	-0.20938	2.571274	0.019908	0.05285	-3.56492
IGLON5	0.438153	-0.3526	2.57883	0.017989	0.04894	-3.5658
DLX6	0.550446	-0.13258	2.577743	0.018031	0.049041	-3.56794
SEPX1	-0.716	0.424568	-2.57761	0.018036	0.049049	-3.5682
IFI27	2.753509	-1.48991	2.57711	0.018055	0.049095	-3.56918
HAS2	-0.55219	0.070144	-2.57946	0.018439	0.049856	-3.56948
PTS	-0.79785	0.031102	-2.57668	0.018072	0.049134	-3.57004

CSH1	-0.72151	0.568399	-2.57659	0.018076	0.049136	-3.57021
EBF1	-0.94423	1.281201	-2.57651	0.018079	0.049138	-3.57037
FLJ31306	-0.68166	0.639627	-2.57548	0.018119	0.049233	-3.5724
GLTPD1	-0.4697	0.539325	-2.57533	0.018124	0.049235	-3.57268
CRB2	0.522702	-0.10298	2.575272	0.018127	0.049235	-3.5728
CARD8	-0.95142	0.717739	-2.5748	0.018145	0.049274	-3.57373
LOC100128	0.606612	-0.39851	2.574775	0.018146	0.049274	-3.57378
AFG3L2	-0.60363	0.330093	-2.57371	0.018188	0.049373	-3.57588
LOC100130	-0.66088	0.141519	-2.57364	0.018191	0.049374	-3.57601
BCAS2	0.563159	-0.54871	2.573488	0.018197	0.049383	-3.57631
PCDH1	0.646227	-0.25345	2.573409	0.0182	0.049384	-3.57647
CNTLN	-0.94882	0.416445	-2.57332	0.018203	0.049387	-3.57664
TRIM14	-0.91318	0.879934	-2.57315	0.01821	0.049399	-3.57699
NUP62	0.447863	-0.25377	2.572762	0.018225	0.049433	-3.57774
SH2D1B	1.161894	-0.47418	2.572641	0.01823	0.049439	-3.57798
CDC42BPA	0.929106	-0.4673	2.57202	0.018254	0.049491	-3.5792
ERMP1	0.542965	-0.41756	2.571754	0.018265	0.049513	-3.57972
ACSBG1	1.233151	-0.14797	2.571499	0.018275	0.04953	-3.58023
C1orf88	0.558706	-0.27101	2.571449	0.018277	0.04953	-3.58032
RFESD	0.683295	-0.3353	2.571399	0.018279	0.04953	-3.58042
MYO3A	-0.79392	0.289289	-2.57121	0.018286	0.049543	-3.58079
ANKRD49	-0.87948	-0.17164	-2.57112	0.018289	0.049545	-3.58096
VGLL4	-0.71856	0.722387	-2.571	0.018294	0.049552	-3.5812
YRDC	-0.3915	0.002235	-2.57041	0.018318	0.049609	-3.58238
RNF112	-0.68193	0.917322	-2.57032	0.018321	0.04961	-3.58254
LOC388155	-0.58027	0.306467	-2.57011	0.018329	0.049619	-3.58295
PAWR	-0.70861	0.630499	-2.57004	0.018332	0.04962	-3.5831
CA2	0.976019	-0.78216	2.569433	0.018356	0.049671	-3.58429
LARP1B	-0.88806	0.309605	-2.56921	0.018365	0.049687	-3.58473
OR8H1	-0.56844	0.126371	-2.57147	0.018755	0.050478	-3.58502
RBMV2EP	0.634108	-0.24718	2.560585	0.020351	0.053762	-3.58509
LRP1	1.107707	-0.16062	2.568657	0.018387	0.049734	-3.58582
DAZ2	0.571795	-0.39248	2.570683	0.018786	0.050522	-3.58656
ZNF808	0.533676	-0.25962	2.56816	0.018406	0.04978	-3.58679
LOC100506	-0.77759	0.355114	-2.57006	0.018811	0.050553	-3.58776
CCDC66	0.458782	-0.10195	2.572166	0.019265	0.051455	-3.58826
CNBP	-0.62651	0.288228	-2.56709	0.018449	0.049874	-3.5889
CENPH	-0.99627	0.460195	-2.56919	0.018846	0.050613	-3.58946
SEMA4B	0.575334	-0.02894	2.566664	0.018466	0.049903	-3.58973
SFTP8	0.450396	-0.52662	2.566642	0.018467	0.049903	-3.58977
KDM2A	-0.59969	0.530307	-2.5666	0.018468	0.049903	-3.58987
SNX29	-0.58882	0.822367	-2.56645	0.018474	0.049903	-3.59015
LRWD1	-0.41644	0.581267	-2.56644	0.018474	0.049903	-3.59016
COL9A1	0.590467	-0.46174	2.566431	0.018475	0.049903	-3.59019
HIST1H2AJ	-0.91901	0.783917	-2.56625	0.018482	0.049909	-3.59054
GP8R	-1.51287	0.792754	-2.56578	0.018501	0.049952	-3.59146
MYO1F	-0.91409	0.770715	-2.56526	0.018522	0.050002	-3.5925

ZNF33A	-0.49661	0.417176	-2.56429	0.01856	0.050099	-3.59439
PAX5	-0.3431	0.029928	-2.5641	0.018568	0.050113	-3.59478
KCNV1	-0.50962	0.179642	-2.56609	0.01897	0.050835	-3.59548
NYNRIN	0.429801	-0.30354	2.565986	0.018975	0.050839	-3.59569
AXIN1	-0.55267	0.620218	-2.56363	0.018586	0.050156	-3.59569
PMVK	0.526318	-0.12254	2.563137	0.018606	0.050203	-3.59666
FAM169A	1.115123	-0.99428	2.554216	0.020619	0.054302	-3.59708
NEK1	-0.54841	0.236019	-2.56285	0.018618	0.050226	-3.59722
C22orf25	-0.69168	0.895979	-2.56272	0.018623	0.05023	-3.59748
LONRF1	-1.37745	0.559643	-2.56269	0.018624	0.05023	-3.59753
CST6	1.319528	-0.29466	2.510176	0.023299	0.059543	-3.59762
TOR1B	-1.04705	0.806656	-2.56167	0.018665	0.050326	-3.59954
KIF18B	0.407466	-0.06803	2.561237	0.018682	0.050366	-3.60039
Sep-15	-0.61974	-0.18483	-2.56115	0.018686	0.050369	-3.60056
DBP	0.775828	0.050369	2.56095	0.018694	0.050384	-3.60096
C10orf54	-0.548	0.401948	-2.56052	0.018711	0.050408	-3.60179
FMO3	-0.69521	0.1575	-2.5605	0.018712	0.050408	-3.60184
FAM21A	-0.51749	0.299075	-2.5605	0.018712	0.050408	-3.60184
FKBPL	-0.45612	0.351594	-2.56043	0.018715	0.050408	-3.60199
ZNF587	-0.46025	0.369578	-2.56041	0.018716	0.050408	-3.60202
ZNF792	0.521263	-0.32327	2.559895	0.018736	0.050449	-3.60303
CTSD	-0.75878	0.733398	-2.55985	0.018738	0.050449	-3.60312
CILP2	0.357795	-0.27483	2.559833	0.018739	0.050449	-3.60315
BTBD8	0.360588	-0.09807	2.561961	0.019137	0.051198	-3.6035
GMCL1	-0.72663	0.420268	-2.55909	0.018769	0.050504	-3.60461
EMR4P	-0.68229	0.02061	-2.55896	0.018774	0.050504	-3.60486
CDA	-0.85335	0.752268	-2.55895	0.018774	0.050504	-3.60489
LOC100128	0.604018	-0.28875	2.558938	0.018775	0.050504	-3.60491
LOC284933	0.450456	-0.35557	2.558881	0.018777	0.050504	-3.60502
PAM16	-0.32064	0.131892	-2.5585	0.018792	0.050531	-3.60576
SPINLW1-V	-0.59696	0.033896	-2.55837	0.018798	0.050538	-3.60602
IP6K1	0.439497	-0.00312	2.55827	0.018802	0.050542	-3.60622
SLMAP	-0.97559	0.807684	-2.55817	0.018806	0.050546	-3.60641
S1PR2	0.500055	-0.41512	2.557709	0.018825	0.050576	-3.60732
NHP2L1	0.588772	-0.24959	2.557692	0.018825	0.050576	-3.60735
DIO3OS	0.962051	-0.5561	2.548532	0.020861	0.054734	-3.60778
KLRD1	1.125348	-0.25575	2.527191	0.021794	0.056561	-3.60788
LOC399815	-0.91351	-0.03648	-2.5451	0.020385	0.053831	-3.60795
MS4A15	0.452301	-0.23838	2.557295	0.018841	0.050607	-3.60813
RSU1	-0.43336	0.166079	-2.55699	0.018854	0.050626	-3.60873
MBOAT4	-0.71156	0.262719	-2.55659	0.01887	0.050663	-3.60952
OCIAD1	-0.53394	-0.0548	-2.55604	0.018892	0.050715	-3.61058
DGCR2	-0.72993	0.630361	-2.55585	0.0189	0.050724	-3.61097
SMAD1	-0.82644	0.411724	-2.55579	0.018902	0.050724	-3.61108
DQX1	-0.69564	0.444808	-2.55572	0.018905	0.050724	-3.61121
SRRT	-0.45217	0.623051	-2.5557	0.018906	0.050724	-3.61125
COMMD5	-0.30958	0.161707	-2.55526	0.018924	0.050752	-3.61212

IGHA1	-0.90248	1.568715	-2.55512	0.018929	0.05076	-3.61239
LNPEP	-0.7672	0.313889	-2.5546	0.018951	0.050809	-3.61342
HCLS1	-0.4631	0.332997	-2.55454	0.018953	0.050809	-3.61352
ACTL9	0.41009	-0.10476	2.554398	0.018959	0.050818	-3.61381
DDX24	0.919948	-0.39778	2.554142	0.018969	0.050835	-3.61431
TM4SF18	1.119084	-0.76881	2.555937	0.019383	0.051729	-3.61519
CYP8B1	1.813198	-0.63781	2.470555	0.026095	0.064787	-3.616
KRTAP4-2	-0.54448	0.19511	-2.55306	0.019013	0.050929	-3.61643
GSDMC	0.55123	-0.24579	2.553061	0.019013	0.050929	-3.61643
LPP	-0.70607	0.495415	-2.55281	0.019024	0.05095	-3.61693
RCC2	0.607844	-0.14225	2.552644	0.01903	0.050961	-3.61725
SHISA2	-0.41366	0.118833	-2.55257	0.019033	0.050962	-3.61739
FAM58A	-0.54747	0.145685	-2.55237	0.019042	0.050977	-3.61779
LY75	1.103689	-0.75714	2.539117	0.020641	0.054331	-3.61935
SLC31A2	-1.04092	0.482526	-2.55142	0.01908	0.051074	-3.61965
WSCD2	0.780821	-0.30233	2.551274	0.019086	0.051083	-3.61994
MLL4	-0.55085	0.721096	-2.55119	0.01909	0.051086	-3.62011
TRIM16L	-0.34906	0.188345	-2.55086	0.019103	0.051115	-3.62075
GLIS2	0.418093	-0.24032	2.548801	0.019188	0.051326	-3.62478
SLC29A4	0.347684	-0.38874	2.548602	0.019196	0.051326	-3.62517
CDKN2C	-0.54213	-0.04187	-2.54859	0.019197	0.051326	-3.6252
PPBP	0.984302	-0.67026	2.548502	0.0192	0.051326	-3.62537
SEC24C	-0.72417	0.590669	-2.54849	0.019201	0.051326	-3.62539
PDE3B	-0.56483	0.173702	-2.54823	0.019212	0.051348	-3.62591
SOX9	0.566548	-0.29202	2.547797	0.019229	0.051376	-3.62675
NEBL	0.939419	-0.25662	2.547782	0.01923	0.051376	-3.62678
FAM134A	-0.59522	0.406737	-2.54763	0.019236	0.051386	-3.62708
TBC1D3B	0.837811	-0.1018	2.548297	0.019699	0.052415	-3.62999
SPACA5	-0.7023	0.224019	-2.54583	0.019311	0.051571	-3.6306
SLC7A5	0.439188	-0.20196	2.545724	0.019315	0.051575	-3.63081
BUB1B	-0.9575	0.600974	-2.54555	0.019322	0.051587	-3.63114
COX6A1	-0.50744	0.291395	-2.54447	0.019367	0.051699	-3.63325
CHORDC1	-0.99713	0.404894	-2.54434	0.019372	0.051707	-3.63352
GNA13	-1.28554	0.625776	-2.54329	0.019416	0.051809	-3.63556
LRRC17	0.863504	-0.30491	2.50131	0.025543	0.063759	-3.63569
IGF2BP2	1.098582	-0.07842	2.543214	0.019419	0.051811	-3.63572
RNF13	-0.84945	0.094022	-2.54297	0.019429	0.051831	-3.63619
UPF3A	-0.59131	0.432697	-2.54279	0.019437	0.051844	-3.63654
KIAA1654	0.433547	-0.201	2.543895	0.019884	0.052813	-3.63851
TMEM134	0.637684	-0.37495	2.541536	0.019489	0.051977	-3.639
NFIB	-0.647	0.139528	-2.54145	0.019493	0.051979	-3.63917
LOC440300	-0.43582	0.006763	-2.54087	0.019517	0.05203	-3.6403
HDAC11	0.568446	-0.46349	2.540589	0.019529	0.052049	-3.64085
JRKL	-0.71743	0.062347	-2.54056	0.01953	0.052049	-3.6409
LOC100129	1.339023	-0.32988	2.480845	0.023959	0.060738	-3.64163
ZFP90	-0.80181	0.305846	-2.5393	0.019583	0.052184	-3.64337
OR4K17	-0.42342	0.151495	-2.53899	0.019596	0.052211	-3.64397

PMM1	-0.42394	0.191399	-2.53888	0.0196	0.052216	-3.64419
LPPR4	-0.60288	0.182167	-2.54282	0.020482	0.054023	-3.64446
C1R	-0.39331	0.164956	-2.53864	0.019611	0.052236	-3.64466
INMT	-0.49114	0.102722	-2.54022	0.020039	0.053045	-3.64562
C15orf40	-0.5592	0.406887	-2.53808	0.019634	0.052292	-3.64575
LOC100506	0.649411	-0.4424	2.522195	0.020817	0.054653	-3.64583
DKFZP434H	0.541776	-0.41485	2.537717	0.019649	0.052321	-3.64647
CCDC150	-0.8821	0.425725	-2.53769	0.019651	0.052321	-3.64652
KIAA1586	0.616985	-0.1735	2.53731	0.019666	0.052357	-3.64726
UBASH3A	1.262728	-0.55482	2.537132	0.019674	0.05237	-3.64761
LRTOMT	-0.44731	0.726961	-2.53688	0.019685	0.052391	-3.64811
C11orf16	0.368705	-0.11267	2.53676	0.01969	0.052397	-3.64834
VRK1	-0.67243	0.082087	-2.53647	0.019702	0.052415	-3.64889
DGKB	0.87753	-0.50388	2.53922	0.020636	0.054331	-3.65133
DPY19L1	-0.64495	0.19444	-2.53518	0.019757	0.052554	-3.65143
DUSP1	-1.30113	0.53008	-2.53506	0.019761	0.052559	-3.65166
SLC8A3	0.856591	0.129314	2.535001	0.019764	0.052559	-3.65177
NBAS	0.496776	-0.23697	2.534666	0.019778	0.05259	-3.65243
CGB	0.470616	-0.22973	2.534427	0.019788	0.05261	-3.65289
TMEM151L	-0.67862	-0.00343	-2.53425	0.019796	0.052623	-3.65325
CCDC81	0.836422	-0.22354	2.533564	0.019825	0.052685	-3.65458
FLJ31958	-0.6723	0.182179	-2.53304	0.019847	0.052737	-3.6556
ARHGAP10	0.824971	-0.19027	2.532757	0.019859	0.052762	-3.65616
HDGF	0.667261	0.002432	2.532221	0.019882	0.052813	-3.6572
GALNT5	0.536001	-0.33934	2.522122	0.022021	0.057007	-3.65735
LOC100125	-0.64733	0.249299	-2.53205	0.019889	0.052816	-3.65754
SPG7	-0.77123	0.56744	-2.53202	0.01989	0.052816	-3.65759
SNX10	-1.20382	0.411708	-2.53188	0.019897	0.052826	-3.65787
BST2	-0.55851	0.463532	-2.53144	0.019915	0.05285	-3.65873
TAF15	-0.76984	0.305572	-2.53143	0.019916	0.05285	-3.65874
TPR	-0.63778	0.47113	-2.53141	0.019917	0.05285	-3.65879
TMEM173	-0.5511	0.053009	-2.5313	0.019921	0.052856	-3.65901
N4BP3	0.795698	-0.22841	2.531124	0.019929	0.052866	-3.65934
PP12613	-0.70808	0.213509	-2.53108	0.019931	0.052866	-3.65943
APBA3	-0.52831	0.11079	-2.53216	0.020383	0.053831	-3.6612
FRZB	-0.94448	0.462892	-2.53014	0.019971	0.052957	-3.66126
C10orf116	0.58082	-0.22657	2.530025	0.019976	0.052957	-3.66149
PREX1	-0.77592	0.700451	-2.53002	0.019976	0.052957	-3.66149
ZNF574	0.491749	-0.04287	2.529961	0.019978	0.052957	-3.66161
LOC389033	0.404763	-0.36025	2.529762	0.019987	0.052972	-3.662
LPAR5	-0.85958	1.197738	-2.52941	0.020002	0.052998	-3.66269
CKMT2	-0.60257	0.186631	-2.52927	0.020008	0.053006	-3.66295
AGAP2	0.620602	-0.28811	2.529158	0.020013	0.053012	-3.66318
DBF4B	-0.9838	0.775588	-2.52895	0.020022	0.053029	-3.66359
IL22	0.920946	-0.33177	2.530711	0.020446	0.053947	-3.66399
EHD1	-0.52319	0.47897	-2.52873	0.020031	0.053045	-3.66402
MFNG	0.690367	-0.23705	2.528647	0.020035	0.053045	-3.66418

RPS6KA4	0.561219	-0.04103	2.528559	0.020038	0.053045	-3.66435
KCNH6	-0.56164	-0.16219	-2.52821	0.020053	0.053076	-3.66503
GGT5	-1.18322	0.740027	-2.52779	0.020071	0.053117	-3.66585
NXNL2	-1.1062	1.237143	-2.52741	0.020088	0.053146	-3.66659
HBP1	-0.84437	0.534281	-2.52741	0.020088	0.053146	-3.66659
LINC00152	-0.90668	0.3456	-2.5272	0.020097	0.053162	-3.66699
FAM184A	-0.80046	0.330457	-2.52586	0.020155	0.053301	-3.66961
FAM13B	-0.74847	0.257974	-2.52496	0.020193	0.053394	-3.67137
TCN2	-1.30734	0.969166	-2.52486	0.020198	0.053394	-3.67156
CHERP	-0.50564	0.529917	-2.52486	0.020198	0.053394	-3.67156
DCD	1.104441	-0.86761	2.520448	0.036259	0.08326	-3.67363
SSX2IP	0.533098	-0.02317	2.522848	0.020285	0.053609	-3.67548
C5	-0.77406	0.451833	-2.52274	0.02029	0.053615	-3.6757
LOC38888	-0.41345	-0.08432	-2.52392	0.020741	0.05452	-3.67707
TAS1R2	0.468886	-0.46879	2.508366	0.022004	0.056978	-3.67773
DIS3	-1.05732	0.458787	-2.52168	0.020335	0.053728	-3.67775
RPS29	1.516769	-1.59119	2.521	0.020365	0.053792	-3.67908
LONP1	0.5704	-0.19097	2.520273	0.020397	0.053852	-3.6805
CHCHD10	0.653836	-0.10782	2.520228	0.020399	0.053852	-3.68059
RNASEH2A	0.478119	-0.12964	2.520108	0.020404	0.053859	-3.68082
RNF34	-0.87836	0.799391	-2.51985	0.020415	0.053881	-3.68133
THOC1	-0.67142	0.783417	-2.51937	0.020436	0.053929	-3.68226
MFG8	0.364535	0.002457	2.518668	0.020467	0.053996	-3.68363
AP4E1	-0.49072	0.113843	-2.51831	0.020482	0.054023	-3.68433
UBFD1	0.516924	-0.19003	2.51773	0.020508	0.054082	-3.68545
BMP8A	-0.5382	0.204131	-2.51756	0.020515	0.054094	-3.68578
HM13	-0.68142	0.432251	-2.51694	0.020543	0.054159	-3.687
NDUFA1	-0.69836	0.510781	-2.51683	0.020547	0.054161	-3.68721
MAPK7	-0.34382	0.308726	-2.5168	0.020549	0.054161	-3.68727
ZRANB2	-1.18713	0.53313	-2.51668	0.020554	0.054168	-3.6875
DSTYK	-0.37866	0.371634	-2.51603	0.020582	0.054235	-3.68876
ZNF37BP	-0.73385	0.471141	-2.51595	0.020586	0.054236	-3.68891
NAA35	-0.57684	0.188774	-2.51589	0.020588	0.054236	-3.68903
CIDEC	-0.28697	0.223363	-2.5158	0.020592	0.05424	-3.68921
ABCG5	-0.55437	0.184765	-2.51724	0.021035	0.055029	-3.68996
NCBP2	-0.49344	0.489736	-2.51491	0.020632	0.054328	-3.69093
PNO1	0.503296	-0.3261	2.514751	0.020639	0.054331	-3.69125
FGF21	0.470143	-0.36407	2.500828	0.022351	0.057679	-3.692
PSME2	-0.69426	0.693396	-2.5143	0.020659	0.05437	-3.69213
SLFN13	0.549943	-0.16464	2.514173	0.020664	0.054372	-3.69237
FAM54A	-1.08347	0.690269	-2.51416	0.020665	0.054372	-3.6924
FASN	0.742457	0.086424	2.513858	0.020678	0.0544	-3.69299
LPCAT1	-0.4493	0.351286	-2.51336	0.0207	0.05445	-3.69396
SLC7A6	-0.68916	0.526205	-2.51325	0.020705	0.054455	-3.69417
TSC1	0.973997	-0.70348	2.51303	0.020715	0.054474	-3.6946
GRIA3	0.734346	-0.15024	2.512896	0.020721	0.054481	-3.69486
ACSM5	-0.91471	0.317237	-2.51284	0.020723	0.054481	-3.69496

ZNF799	-1.2965	0.486356	-2.51393	0.021183	0.055333	-3.69633
SYNC	0.467274	-0.81666	2.512094	0.020756	0.054551	-3.69642
C1orf101	-0.52896	-0.01536	-2.51205	0.020758	0.054551	-3.6965
CKMT1A	-0.74066	0.004373	-2.5114	0.020787	0.054615	-3.69778
ZNF22	-0.77621	0.246465	-2.51138	0.020788	0.054615	-3.6978
GDAP1	0.346862	-0.07708	2.514652	0.021719	0.056396	-3.69813
LOC100501	-0.56157	0.140183	-2.51118	0.020797	0.054631	-3.6982
PCDHB17	-0.91479	0.36459	-2.51106	0.020802	0.054638	-3.69843
KIAA0319L	-1.35332	1.133213	-2.51077	0.020815	0.054653	-3.69899
PHF10	-0.95641	0.159797	-2.51075	0.020816	0.054653	-3.69903
SLC26A9	-0.39723	0.050633	-2.51051	0.020827	0.054673	-3.69951
MC4R	-0.70643	0.0935	-2.51215	0.021262	0.055467	-3.69974
OR4C46	-0.3468	-0.03623	-2.51191	0.021273	0.05548	-3.70021
PDHA2	-0.91004	0.135012	-2.51007	0.020846	0.054716	-3.70035
LAMA3	-0.79832	0.184028	-2.50997	0.02085	0.054721	-3.70055
CD70	0.687247	-0.37289	2.509732	0.020861	0.054734	-3.70101
LOC554206	-0.5092	0.231619	-2.50966	0.020864	0.054735	-3.70114
CUL4A	0.400667	-0.53897	2.509449	0.020874	0.054752	-3.70156
ZNF519	-0.76111	0.242802	-2.50934	0.020879	0.054758	-3.70178
AMN1	-0.96116	0.287169	-2.50875	0.020905	0.05482	-3.70292
PKN1	-0.53106	0.623834	-2.50856	0.020913	0.054835	-3.70329
SAMD9	-1.89518	1.286441	-2.50808	0.020935	0.054883	-3.70422
CLCN3	-0.98196	0.3947	-2.50778	0.020948	0.054909	-3.7048
POLRMT	0.52958	-0.1195	2.507696	0.020952	0.054909	-3.70497
C10orf90	-0.7785	0.233009	-2.50768	0.020953	0.054909	-3.70501
POT1	-0.704	-0.21437	-2.50752	0.02096	0.054914	-3.70531
KIAA0284	0.51889	-0.3487	2.507505	0.020961	0.054914	-3.70534
NHP2	0.662134	-0.42388	2.507303	0.02097	0.054929	-3.70573
KIAA1210	-0.51125	0.126539	-2.50725	0.020972	0.054929	-3.70584
MTA1	-0.58498	0.733375	-2.5071	0.020979	0.054932	-3.70612
NUPL2	-0.62177	0.262214	-2.5071	0.020979	0.054932	-3.70612
O3FAR1	0.403984	-0.63811	2.506916	0.020987	0.054946	-3.70648
FMOD	0.593436	-0.48088	2.500385	0.029725	0.071684	-3.70689
MRPS5	-0.5226	0.560746	-2.50667	0.020998	0.054968	-3.70696
IL12B	-0.41999	0.16454	-2.50647	0.021007	0.054984	-3.70735
LINC00478	0.86068	-0.16249	2.50632	0.021014	0.05499	-3.70764
C16orf71	-0.57506	0.147865	-2.50629	0.021015	0.05499	-3.70769
ATG16L2	-0.54625	0.404935	-2.50608	0.021024	0.055008	-3.70811
PIGY	-0.77238	0.148583	-2.50556	0.021048	0.055054	-3.70911
C10orf122	-0.55402	-0.13349	-2.49151	0.022788	0.058557	-3.70961
MAPRE3	-0.69983	0.818073	-2.50508	0.021069	0.055103	-3.71006
MCM10	-1.43028	1.040211	-2.50493	0.021076	0.055114	-3.71035
FAM46B	0.360301	-0.20447	2.504835	0.02108	0.055117	-3.71053
LOC286161	0.609576	-0.61199	2.508121	0.022016	0.057	-3.71053
TPK1	-0.78341	-0.17735	-2.50454	0.021093	0.055144	-3.71109
ADH5	-0.84844	0.256232	-2.50446	0.021097	0.055146	-3.71125
RPL26L1	-1.01624	0.287868	-2.50398	0.021119	0.055196	-3.71219

ACVR1	0.730144	-0.20829	2.503885	0.021123	0.055199	-3.71237
CD24	-1.23219	0.486167	-2.50336	0.021147	0.055253	-3.71338
PZP	0.908759	-0.72025	2.507863	0.022673	0.058332	-3.71355
TM4SF1	0.406361	-0.26674	2.488862	0.022913	0.05881	-3.7146
USP28	-0.6195	0.729351	-2.5027	0.021176	0.055324	-3.71467
DHRS7C	-0.62566	0.098511	-2.50388	0.021636	0.056224	-3.71564
PTDSS1	0.470944	-0.23473	2.502109	0.021203	0.055379	-3.71582
DHRS7B	-0.51786	0.540745	-2.50191	0.021212	0.055395	-3.7162
LEPREL4	0.51422	-0.03528	2.501774	0.021218	0.055404	-3.71647
RTKN2	-0.9629	0.333661	-2.50153	0.021229	0.055425	-3.71693
ATAD1	-0.71768	0.070601	-2.50145	0.021233	0.055427	-3.71709
MLYCD	-0.62124	0.5829	-2.50133	0.021238	0.055434	-3.71732
PDCD4	0.638121	-0.23858	2.500909	0.021258	0.055467	-3.71815
C12orf76	-0.60044	0.562823	-2.50091	0.021258	0.055467	-3.71815
C9orf64	0.369829	-0.22424	2.500866	0.021259	0.055467	-3.71823
FPR2	-1.13886	0.496393	-2.50061	0.021271	0.05548	-3.71873
SEMA4C	0.806925	-0.31932	2.500239	0.021288	0.055512	-3.71945
APOA5	0.385527	-0.23124	2.498905	0.021349	0.05566	-3.72203
USP20	0.466122	-0.19431	2.498866	0.02135	0.05566	-3.72211
SYT13	0.567097	-0.63192	2.498414	0.021371	0.055706	-3.72298
LST1	-0.52336	0.40424	-2.49832	0.021375	0.055708	-3.72317
RTBDN	0.408337	-0.39764	2.498272	0.021377	0.055708	-3.72326
LUC7L2	-0.48945	0.462172	-2.49784	0.021397	0.055752	-3.72411
LTV1	-0.81925	0.738231	-2.49766	0.021405	0.055766	-3.72445
C2CD4A	0.475985	-0.49863	2.497469	0.021414	0.055781	-3.72482
FBL	0.91815	-0.53091	2.496695	0.021449	0.055866	-3.72632
MUC22	-0.44224	0.102708	-2.49645	0.021461	0.055888	-3.7268
RFTN2	2.087632	-0.96735	2.35658	0.043248	0.094986	-3.7268
LOC54146	0.416866	-0.06222	2.497452	0.02193	0.056839	-3.72797
QRICH2	0.483618	-0.03921	2.495721	0.021494	0.055967	-3.7282
CHRA1	0.567726	-0.02443	2.495499	0.021504	0.055986	-3.72864
C17orf51	0.404186	-0.09692	2.495426	0.021507	0.055987	-3.72878
TEK	0.840446	-0.45542	2.483434	0.023832	0.060518	-3.72955
RNPEPL1	-0.4977	0.6409	-2.49502	0.021526	0.056028	-3.72957
KPNA5	-0.84588	0.08048	-2.49488	0.021532	0.056038	-3.72984
RDM1	-0.80747	0.489813	-2.49469	0.021541	0.056053	-3.7302
FOXG1	0.43147	-0.16375	2.496004	0.021997	0.056973	-3.73074
BOD1	-0.86855	0.802794	-2.49432	0.021558	0.056084	-3.73092
SENP2	-0.92367	0.733503	-2.49426	0.021561	0.056084	-3.73103
SLC16A9	0.409981	-0.29808	2.494243	0.021562	0.056084	-3.73107
COPZ1	-0.35017	0.312542	-2.49413	0.021567	0.056087	-3.73129
RMND1	-0.68654	0.292471	-2.49409	0.021569	0.056087	-3.73137
BATF2	-1.42499	0.77913	-2.49396	0.021575	0.056095	-3.73162
C17orf75	-0.94706	0.478506	-2.49341	0.0216	0.056149	-3.73268
MDC1	0.584227	-0.41463	2.493383	0.021601	0.056149	-3.73273
RNF168	-0.57649	0.103629	-2.49321	0.021609	0.056162	-3.73306
MATR3	-0.81601	0.100253	-2.49224	0.021654	0.056264	-3.73496

EIF2C2	0.681504	-0.22944	2.492074	0.021661	0.056276	-3.73527
GLIS3	0.449058	-0.12577	2.4918	0.021674	0.056301	-3.7358
SGK494	-0.62439	0.267955	-2.49144	0.021691	0.056338	-3.7365
UBA7	-0.5464	0.549793	-2.49114	0.021705	0.056366	-3.73709
LTN1	-1.10278	0.278257	-2.49202	0.022182	0.057348	-3.73837
SYT10	0.710125	-0.45405	2.49202	0.022182	0.057348	-3.73838
KGFLP2	0.603547	-0.54472	2.473156	0.023079	0.059104	-3.73963
ZNF410	-0.33876	-0.02143	-2.48975	0.021769	0.056517	-3.73976
ZNF263	-0.44856	0.342389	-2.48968	0.021772	0.056518	-3.7399
USP30	-0.80947	0.657484	-2.48933	0.021788	0.056553	-3.74058
C6orf145	0.574332	0.08391	2.488898	0.021808	0.05659	-3.74142
MORC3	-0.79044	0.145824	-2.48875	0.021815	0.0566	-3.7417
SOCS5	-0.82693	0.060104	-2.48802	0.021849	0.056682	-3.74312
GDPD3	-1.10111	1.317153	-2.4878	0.021859	0.0567	-3.74354
HIRA	0.849762	-0.35134	2.4872	0.021887	0.056765	-3.74471
LOC33865	0.797094	-0.5092	2.472385	0.023708	0.060281	-3.74564
FAM83E	0.38292	-0.20967	2.486673	0.021912	0.056818	-3.74573
GLIPR1L1	0.341524	-0.08401	2.48664	0.021913	0.056818	-3.74579
FPGT	-1.01054	0.084689	-2.47463	0.024264	0.061345	-3.74591
ACAP3	-0.63918	0.858293	-2.48654	0.021918	0.056823	-3.74599
RG9MTD2	-0.74463	-0.16022	-2.48636	0.021927	0.056837	-3.74634
VRTN	0.367792	-0.3337	2.48892	0.02291	0.05881	-3.74692
ATRNL1	1.013821	-0.78463	2.473894	0.0243	0.061405	-3.74728
HSPA12A	-0.97671	0.018409	-2.48546	0.021969	0.056929	-3.74808
LILRA2	-0.75075	0.741005	-2.48541	0.021971	0.056929	-3.74816
INTS10	-0.36354	-0.02479	-2.48512	0.021984	0.056956	-3.74872
CYP4F12	1.076005	-0.10965	2.486324	0.02245	0.057878	-3.74928
SLC35A3	-0.54434	-0.04387	-2.4848	0.021999	0.056973	-3.74934
ZNF847P	1.283815	0.174714	2.484803	0.021999	0.056973	-3.74934
LHX3	0.661744	-0.00212	2.483704	0.022051	0.057076	-3.75147
NIT2	0.660879	-0.14045	2.483415	0.022064	0.057103	-3.75203
TBX15	0.698736	-0.22327	2.482669	0.022099	0.057186	-3.75347
MUC3A	-0.94233	-0.16768	-2.48249	0.022108	0.0572	-3.75381
IGIP	1.446732	-0.6671	2.472053	0.02515	0.063009	-3.75488
ITGAM	-1.15501	0.652969	-2.48192	0.022135	0.057262	-3.75491
SYTL2	0.840718	-0.20081	2.483326	0.022591	0.058183	-3.75502
CDCA8	-0.76629	0.410345	-2.4816	0.02215	0.057294	-3.75553
RNF185	-0.67586	0.289374	-2.48119	0.022169	0.057337	-3.75633
KIF13A	-0.98173	0.160182	-2.48111	0.022173	0.057339	-3.75649
SERPINI1	-1.22191	0.44251	-2.4821	0.02265	0.058287	-3.75737
MMP17	0.559004	-0.1122	2.480397	0.022206	0.057403	-3.75786
CASP8	0.388939	-0.76007	2.480223	0.022215	0.057416	-3.75819
C21orf49	0.712699	-0.38757	2.479967	0.022227	0.057434	-3.75869
RAPGEFL1	-1.23607	1.406356	-2.47992	0.022229	0.057434	-3.75877
RAP1A	-0.68211	0.127778	-2.47989	0.02223	0.057434	-3.75884
TMPO	-0.55421	0.395316	-2.47968	0.02224	0.057453	-3.75925
GNAS	0.536036	-0.12404	2.479448	0.022251	0.057467	-3.75969

C19orf47	-0.51454	0.716226	-2.4794	0.022253	0.057467	-3.75978
ZNF431	-0.56345	0.242763	-2.47938	0.022255	0.057467	-3.75983
LOC100131	1.036254	-0.10274	2.479207	0.022263	0.05748	-3.76016
SGCB	0.73534	-0.17149	2.462175	0.023616	0.060126	-3.76051
THBS1	-0.76034	0.270265	-2.47855	0.022294	0.057553	-3.76143
CYP2B7P1	0.467761	-0.36262	2.444002	0.025823	0.064229	-3.7621
CALML5	-0.67951	0.227883	-2.47934	0.022781	0.058548	-3.76264
PURG	-0.9345	0.24179	-2.47785	0.022327	0.05763	-3.76277
SLC45A1	0.90049	-0.33986	2.414371	0.02742	0.067386	-3.76335
CALCOCO2	-1.06164	0.916018	-2.47751	0.022343	0.057665	-3.76344
HTR2A	-0.70712	-0.00095	-2.4789	0.022802	0.05858	-3.76348
TUBA3D	-0.80429	0.516455	-2.47675	0.022379	0.057743	-3.7649
TMBIM4	-0.8222	0.012237	-2.47667	0.022383	0.057745	-3.76506
C9orf100	-0.53472	0.393228	-2.47658	0.022387	0.057748	-3.76523
COL20A1	0.638791	-0.20795	2.476393	0.022396	0.057764	-3.76559
CLNS1A	0.48135	-0.17801	2.47618	0.022406	0.057782	-3.766
NPY6R	0.768999	-0.55213	2.47598	0.022416	0.057799	-3.76639
PCOLCE2	-2.19535	1.657138	-2.47662	0.022912	0.05881	-3.76783
PUS3	-1.2762	0.346557	-2.47521	0.022453	0.057879	-3.76788
GPATCH4	-0.75585	0.884494	-2.47495	0.022465	0.057903	-3.76838
EPHB3	0.643494	-0.02529	2.474884	0.022468	0.057903	-3.7685
CENPQ	-1.06799	0.110926	-2.47338	0.02254	0.058082	-3.77141
IL1RAPL1	0.783049	-0.23427	2.472822	0.022567	0.058142	-3.77248
CD40	-0.67882	0.678918	-2.47257	0.022579	0.058165	-3.77296
RNASE8	0.380196	-0.04472	2.472049	0.022604	0.058201	-3.77397
PRSS21	0.56449	-0.04471	2.472038	0.022604	0.058201	-3.77399
C20orf160	-1.17452	0.593108	-2.47326	0.023073	0.059098	-3.77424
ITGA11	0.440585	-0.45204	2.471714	0.02262	0.058233	-3.77462
LRRC36	0.64662	-0.24647	2.454497	0.023998	0.0608	-3.77508
P2RY14	-1.59692	0.885634	-2.47131	0.022639	0.058276	-3.77541
MFRP	0.47021	-0.40655	2.471183	0.022645	0.058284	-3.77564
WFDC11	-0.41842	0.160242	-2.47245	0.023113	0.059184	-3.77579
VN1R2	-0.49091	0.26746	-2.47102	0.022653	0.058288	-3.77595
ZMAT1	-1.80405	0.824956	-2.47023	0.022691	0.058368	-3.77749
CXCL14	0.79318	-0.30541	2.470196	0.022693	0.058368	-3.77755
LOC100506	0.616262	-0.24652	2.432233	0.025755	0.064121	-3.77797
AOAH	-0.75006	0.521277	-2.46994	0.022705	0.058392	-3.77805
SULT1A2	0.725343	-0.17346	2.469357	0.022733	0.058456	-3.77916
CDK12	1.318235	-0.35627	2.372316	0.030672	0.073384	-3.77918
LARP1	-0.63885	0.780413	-2.46924	0.022739	0.058464	-3.7794
CDC42SE2	-0.67721	0.202009	-2.46908	0.022747	0.058475	-3.7797
PCDHB12	-0.58721	0.078874	-2.47032	0.023216	0.059371	-3.77986
CYP2F1	0.524809	-0.26516	2.468679	0.022766	0.058517	-3.78047
RHOBTB2	0.521541	-0.01639	2.467968	0.022801	0.05858	-3.78184
ZSCAN16	-0.68936	0.748679	-2.46758	0.022819	0.058616	-3.78259
PCDHB14	-0.64171	-0.00074	-2.46671	0.022862	0.058717	-3.78427
DDX52	0.434926	-0.50318	2.466609	0.022866	0.058721	-3.78446

CR1L	1.40083	-1.02458	2.451693	0.024743	0.062242	-3.78447
EFTUD2	0.525311	-0.11897	2.466523	0.02287	0.058724	-3.78462
PLCH1	0.547812	-0.27731	2.467355	0.023361	0.05964	-3.78551
SCAF11	-0.52345	0.333179	-2.4651	0.022939	0.058862	-3.78736
MAPKAPK3	-0.41146	0.2657	-2.46503	0.022943	0.058862	-3.78749
MAGI2-AS1	-0.65227	0.070516	-2.46501	0.022944	0.058862	-3.78755
FAM158A	0.383878	-0.0832	2.464988	0.022945	0.058862	-3.78758
TMOD2	-1.19752	0.878975	-2.46624	0.023416	0.059756	-3.78764
FAM53C	-0.80004	0.524486	-2.46487	0.022951	0.058866	-3.78781
TRNT1	-0.79403	0.446451	-2.4648	0.022954	0.058866	-3.78794
PRPSAP1	-0.25407	0.204927	-2.46477	0.022956	0.058866	-3.788
MAP6	0.452042	-0.48637	2.466036	0.023426	0.059763	-3.78802
DAND5	0.807997	-1.05822	2.468075	0.025351	0.063422	-3.78838
LOC100129	-0.44654	0.288476	-2.46766	0.02461	0.06199	-3.78856
SCEL	0.696237	-0.61301	2.467565	0.025377	0.063479	-3.78932
UGT2B4	0.34932	-0.09672	2.464085	0.022989	0.058944	-3.78932
NUF2	-1.4364	0.632567	-2.464	0.022993	0.058947	-3.78948
LOC100506	-0.67827	-0.18275	-2.46382	0.023002	0.058961	-3.78983
NADK	-0.67963	0.595856	-2.46363	0.023011	0.058977	-3.79019
PTPN7	-0.71156	0.525085	-2.46347	0.023019	0.058983	-3.7905
ZCCHC7	-0.63319	0.181294	-2.46346	0.02302	0.058983	-3.79052
FPGS	0.46505	-0.04177	2.462909	0.023047	0.059045	-3.79158
GSTM1	-0.81821	0.448609	-2.46261	0.023061	0.059074	-3.79215
EPHA8	0.665402	-0.18568	2.461305	0.023125	0.059207	-3.79467
C19orf43	-0.92234	0.672074	-2.4608	0.02315	0.059263	-3.79565
HOXD10	0.630352	-0.36504	2.460662	0.023157	0.059273	-3.79591
MED13	-0.7354	0.629278	-2.46042	0.023169	0.059295	-3.79638
CBLB	-0.92779	1.099122	-2.46015	0.023182	0.059314	-3.7969
Sep-09	0.612099	-0.09174	2.459843	0.023197	0.059344	-3.79748
SPIC	-0.62965	0.35636	-2.45962	0.023208	0.059365	-3.79792
APOBEC3F	-0.83437	1.115282	-2.45952	0.023213	0.059369	-3.7981
FAM75A2	-0.58396	-0.02613	-2.4616	0.024242	0.061306	-3.79846
AP3D1	-0.5201	0.833615	-2.45933	0.023222	0.059378	-3.79847
TFRC	-0.73795	-0.23722	-2.45907	0.023235	0.059403	-3.79898
RHAG	1.252208	-0.67074	2.447681	0.026405	0.065359	-3.79937
FSTL3	-0.82628	0.898986	-2.45883	0.023247	0.059425	-3.79943
CENPN	-0.8103	0.474191	-2.45819	0.023278	0.059498	-3.80066
PTPRB	0.833337	-0.09048	2.459191	0.023764	0.060385	-3.80106
C15orf43	0.622281	-0.06677	2.457478	0.023313	0.059559	-3.80203
ALG6	-0.54271	-0.10417	-2.45747	0.023314	0.059559	-3.80205
CLEC3A	-0.67897	0.01987	-2.45746	0.023314	0.059559	-3.80207
NNMT	-0.90207	0.517327	-2.45702	0.023336	0.059608	-3.80292
C2orf78	0.481298	-0.07557	2.458137	0.023816	0.060495	-3.80306
CHRD	0.444164	-0.33399	2.456862	0.023344	0.059619	-3.80322
PLCB2	-0.61502	0.590985	-2.45674	0.02335	0.059627	-3.80345
DCC	-0.82713	0.192252	-2.45656	0.023359	0.05964	-3.80381
LAMA4	0.572314	-0.26008	2.456142	0.02338	0.059679	-3.8046

PNMA3	0.547982	-0.3137	2.455218	0.023425	0.059763	-3.80638
KIAA0391	-0.36116	0.107025	-2.45517	0.023428	0.059763	-3.80646
NAA30	-0.43306	0.352107	-2.45486	0.023443	0.059789	-3.80706
HBG1	2.605221	-1.41878	2.454843	0.023444	0.059789	-3.8071
SGK3	-0.63961	0.067486	-2.45453	0.023459	0.059821	-3.8077
ZBTB43	-0.88752	0.614088	-2.45392	0.02349	0.059891	-3.80887
ANKRD20A	-0.45035	0.089591	-2.45339	0.023516	0.059942	-3.8099
RLBP1	0.667867	-0.42364	2.453301	0.023521	0.059942	-3.81006
CAMSAP3	-1.12804	0.77544	-2.4533	0.023521	0.059942	-3.81006
PSMB8	-0.5348	0.224445	-2.45319	0.023526	0.059942	-3.81027
ITGB3BP	-0.56029	-0.14647	-2.45318	0.023527	0.059942	-3.81029
PKD1L2	-0.45949	-0.05696	-2.45314	0.023528	0.059942	-3.81036
C3orf24	-0.53161	0.118303	-2.45275	0.023548	0.059984	-3.81111
L3MBTL1	-0.77299	1.012328	-2.45252	0.02356	0.060007	-3.81157
STAG3L4	-0.87461	0.276954	-2.45161	0.023605	0.060114	-3.81331
PEX16	-0.34812	0.148881	-2.45136	0.023618	0.060126	-3.81379
PPP1R3B	-1.09616	0.66064	-2.45133	0.023619	0.060126	-3.81385
MEP1B	-0.70106	0.128788	-2.43391	0.025053	0.062846	-3.81403
PRDX1	0.538178	-0.30848	2.451071	0.023632	0.060151	-3.81434
FAM171A1	0.61094	-0.4871	2.45095	0.023638	0.060159	-3.81458
PMPCB	-0.38681	-0.1372	-2.45062	0.023654	0.060192	-3.8152
SRSF2	-0.48935	0.050462	-2.45057	0.023657	0.060192	-3.81531
CACNG8	0.783248	-0.32419	2.45025	0.023673	0.060225	-3.81592
HNF4A	0.382274	-0.23209	2.450069	0.023682	0.06024	-3.81627
TSPAN15	0.637005	-0.35319	2.449885	0.023691	0.060256	-3.81662
CDK11B	-0.29983	0.357282	-2.44967	0.023702	0.060276	-3.81704
LRRC39	-0.72809	0.150468	-2.44947	0.023712	0.060285	-3.81742
LOC28627	-0.87272	0.577481	-2.44937	0.023717	0.06029	-3.8176
C16orf86	-0.51221	0.516841	-2.44922	0.023725	0.060301	-3.81789
EDA2R	0.296084	-0.20748	2.448756	0.023748	0.060353	-3.81879
AGBL5	-0.64016	0.744539	-2.44797	0.023788	0.060438	-3.8203
TMEM138	-0.48624	0.438693	-2.44753	0.02381	0.060486	-3.82115
MGRN1	-0.58969	0.383064	-2.44707	0.023833	0.060518	-3.82203
HELLS	-0.96877	0.377292	-2.44703	0.023835	0.060518	-3.8221
ZNF711	-0.95243	0.29445	-2.44697	0.023838	0.060518	-3.82221
IQCD	0.597752	0.01127	2.446759	0.023849	0.060538	-3.82262
COLQ	0.808323	-0.13268	2.446669	0.023853	0.060542	-3.82279
BMP15	-0.45429	-0.00683	-2.44635	0.02387	0.060575	-3.82341
MRPL14	0.623585	-0.49709	2.446196	0.023877	0.060586	-3.8237
MED19	-0.37314	0.206911	-2.44611	0.023881	0.060589	-3.82386
EIF1AX	0.605217	-0.68838	2.446051	0.023884	0.060589	-3.82398
PPP1R32	-0.63725	0.582435	-2.44568	0.023903	0.060629	-3.82469
ZNF226	-0.98284	0.482149	-2.44547	0.023914	0.060649	-3.8251
ZFP112	-0.72279	0.117115	-2.44635	0.024411	0.061637	-3.82546
CCDC40	0.895991	0.242248	2.444816	0.023947	0.060724	-3.82635
CAPN9	-0.58241	0.193434	-2.44475	0.02395	0.060725	-3.82647
TRIM35	0.354717	-0.27427	2.444307	0.023973	0.060766	-3.82732

MIS18A	0.489721	-0.42961	2.444187	0.023979	0.060774	-3.82755
ZC4H2	0.681535	-0.35277	2.444096	0.023983	0.060778	-3.82773
C17orf47	-0.68702	0.223495	-2.44513	0.024473	0.06174	-3.82777
UGT3A2	-0.55693	0.187969	-2.44387	0.023995	0.060799	-3.82816
CINP	0.701324	-0.30796	2.443465	0.024015	0.060835	-3.82894
LOC727916	-0.63249	-0.00014	-2.44319	0.02403	0.060863	-3.82947
TRIM24	0.427195	-0.02997	2.44283	0.024048	0.060901	-3.83015
PRTG	0.881558	-0.81234	2.445139	0.026539	0.065658	-3.83032
SDPR	0.804052	0.103392	2.443766	0.024543	0.061859	-3.83037
MYO1A	0.510759	-0.2107	2.442718	0.024053	0.060903	-3.83037
LOC100501	0.769116	-0.17875	2.42525	0.025509	0.063713	-3.83037
PRKACA	-0.42286	0.552877	-2.4427	0.024055	0.060903	-3.83041
C9orf30	-1.09303	0.747426	-2.44232	0.024074	0.060943	-3.83113
FAM3B	1.13716	-0.44063	2.442079	0.024086	0.060966	-3.83159
CRISP1	-1.03286	0.600882	-2.44171	0.024105	0.061006	-3.8323
C16orf92	0.461248	-0.31621	2.441393	0.024121	0.061039	-3.83291
SEC23A	-0.6709	-0.07854	-2.44119	0.024131	0.061057	-3.83329
FAM123B	0.930042	-0.17084	2.341012	0.032629	0.076871	-3.83429
LOC100657	-0.90514	0.980142	-2.44016	0.024184	0.061183	-3.83527
ZNF627	-0.55545	0.025864	-2.43938	0.024224	0.061275	-3.83676
EFHC2	0.702274	-0.24809	2.440254	0.024723	0.062202	-3.83702
NTSR2	0.357827	-0.28306	2.439045	0.024241	0.061306	-3.83741
ADC	0.416612	-0.34995	2.438862	0.02425	0.061319	-3.83776
COMMD1	-0.42002	0.34568	-2.43847	0.02427	0.061349	-3.83851
MPHOSPH1	-0.8314	0.521902	-2.43844	0.024272	0.061349	-3.83856
XPNPEP1	-0.79197	0.868457	-2.43819	0.024285	0.061374	-3.83904
DGCR6L	0.560983	-0.28733	2.437011	0.024345	0.061512	-3.8413
SCAMP3	0.485975	-0.12297	2.43687	0.024353	0.061522	-3.84157
TNP1	1.292191	-0.97362	2.371153	0.029917	0.072034	-3.84167
MAB21L1	0.956292	-0.42976	2.43822	0.025439	0.063603	-3.84234
STK11IP	-0.37927	0.240155	-2.43629	0.024382	0.06159	-3.84268
GIPR	0.469987	-0.53478	2.436223	0.024386	0.061591	-3.84281
CTNBL1	-0.5323	0.582343	-2.43582	0.024407	0.061634	-3.84357
BCAR4	0.601604	-0.25872	2.435676	0.024414	0.061638	-3.84386
AFAP1	1.020076	-0.53397	2.373144	0.039388	0.088577	-3.8447
PPP2R5E	-0.55617	0.230871	-2.43614	0.024937	0.062611	-3.84483
MRPS23	-0.68624	0.394441	-2.4351	0.024444	0.061704	-3.84495
LOC728767	0.813637	-0.35538	2.435029	0.024448	0.061706	-3.84509
KRTAP4-7	1.344552	-0.93867	2.406916	0.030615	0.07328	-3.84551
NR2C2AP	0.68825	-0.39699	2.434629	0.024468	0.06174	-3.84586
HIST2H4B	-0.68045	0.395815	-2.43455	0.024472	0.06174	-3.846
ITCH	-0.61601	0.328211	-2.43447	0.024476	0.06174	-3.84616
KIAA1109	-0.71071	0.496905	-2.43447	0.024477	0.06174	-3.84617
APCDD1L	0.775276	-0.35403	2.434148	0.024493	0.061773	-3.84678
CELF5	0.487359	-0.32133	2.434059	0.024498	0.061777	-3.84695
NEK11	-0.40829	0.12191	-2.43383	0.02451	0.0618	-3.8474
FBXW9	0.489245	-0.14186	2.433237	0.02454	0.061859	-3.84852

BAHCC1	0.654105	0.062515	2.433197	0.024542	0.061859	-3.8486
LOC728875	0.45021	-0.28332	2.433013	0.024552	0.061874	-3.84895
TM7SF2	-0.64395	0.623382	-2.43282	0.024562	0.061891	-3.84932
LHFP	0.885296	-0.14848	2.43266	0.02457	0.061904	-3.84963
SLC25A3	0.255327	-0.32539	2.432344	0.024587	0.061938	-3.85023
MYADM	-0.53606	0.317725	-2.43177	0.024616	0.061997	-3.85133
GRM5	0.538137	-0.30692	2.431598	0.024625	0.062011	-3.85166
ANKRD13C	-1.02561	0.273965	-2.43324	0.025701	0.064029	-3.85167
RAB7B	0.467588	-0.30928	2.432132	0.025146	0.063009	-3.85241
ZAK	-1.06659	0.514661	-2.43089	0.024662	0.062095	-3.853
SLC33A1	-0.67852	-0.01652	-2.43083	0.024665	0.062096	-3.85312
C15orf24	-0.41008	-0.05085	-2.43056	0.024679	0.062123	-3.85364
MINA	-0.58104	0.424488	-2.43049	0.024683	0.062125	-3.85378
CD2BP2	-0.51408	0.525056	-2.4304	0.024688	0.062128	-3.85394
NDUFB3	-0.84369	0.074916	-2.43001	0.024708	0.062172	-3.8547
BANF2	-0.57333	-0.23041	-2.41188	0.026229	0.065039	-3.85554
THRB	1.422687	-0.82855	2.395573	0.040586	0.090708	-3.85585
DOK2	0.822269	-0.03268	2.429113	0.024755	0.062262	-3.85641
IL7R	1.508626	-0.52718	2.42908	0.024757	0.062262	-3.85647
TSPAN32	-0.38563	0.459984	-2.42899	0.024761	0.062265	-3.85664
LOC283481	0.495817	-0.14696	2.428745	0.024774	0.06229	-3.85711
MCMBP	-0.61797	0.346245	-2.42892	0.025315	0.063349	-3.85849
RNLS	-0.73384	0.442135	-2.4276	0.024834	0.062431	-3.85929
CSNK1A1	-0.6481	0.244127	-2.42755	0.024837	0.062431	-3.85939
SGCG	1.352352	-0.60526	2.308559	0.041677	0.09244	-3.85963
ABHD5	-0.91277	0.591112	-2.42695	0.024868	0.062503	-3.86055
LOC100508	0.347489	-0.06737	2.427599	0.025385	0.063491	-3.86098
ZNF767	-0.32702	0.153479	-2.42665	0.024884	0.062533	-3.8611
ZNF385A	0.956136	-0.16603	2.426214	0.024907	0.062566	-3.86195
DCDC1	-0.6991	0.055447	-2.42621	0.024907	0.062566	-3.86195
MAN1A1	-1.1806	0.642022	-2.42618	0.024909	0.062566	-3.86202
HIST1H3H	-0.90998	0.906129	-2.42616	0.02491	0.062566	-3.86205
CES4A	-0.68791	0.669738	-2.42588	0.024924	0.062595	-3.86258
DEAF1	-0.57104	0.640229	-2.42581	0.024928	0.062596	-3.86271
EFHD2	-0.55987	0.376399	-2.42545	0.024947	0.062629	-3.86341
GOLPH3L	-0.67953	0.532267	-2.42533	0.024953	0.062636	-3.86363
CENPJ	-0.61528	0.667445	-2.42473	0.024985	0.0627	-3.86478
HHATL	0.40738	-0.07696	2.424727	0.024985	0.0627	-3.86479
CD302	-0.75301	0.2365	-2.42424	0.025011	0.062756	-3.86572
SNX21	-0.68222	0.56027	-2.42412	0.025017	0.062764	-3.86595
AGAP1	0.436122	-0.50796	2.423224	0.025064	0.062866	-3.86766
PRR11	0.498974	-0.76119	2.423126	0.02507	0.062871	-3.86784
SLC9A6	-0.83185	0.406773	-2.42305	0.025074	0.062873	-3.86799
TRPC7	0.512818	-0.31437	2.422779	0.025088	0.062901	-3.8685
ANKK1	0.500452	-0.88509	2.422302	0.025113	0.062957	-3.86942
FAM126A	-0.50966	0.212472	-2.42292	0.025633	0.063884	-3.86982
RALGAPB	-0.40324	0.034757	-2.42194	0.025133	0.062997	-3.87011

SLC38A11	0.54542	-0.51627	2.423274	0.026233	0.065041	-3.8703
PPP2R2D	-0.77945	0.586451	-2.42163	0.025149	0.063009	-3.87071
EXOSC10	0.458833	-0.22207	2.421602	0.02515	0.063009	-3.87075
LOC100655	-1.27922	0.33459	-2.421	0.025182	0.063081	-3.8719
ZNF197	-1.14514	0.703551	-2.42055	0.025206	0.063133	-3.87276
ELTD1	0.542503	-0.23406	2.421502	0.026329	0.06522	-3.8736
LPHN2	0.386292	-0.14601	2.419734	0.02525	0.063229	-3.87431
ABHD14A	0.714496	-0.09662	2.419654	0.025254	0.063229	-3.87447
KLHL8	-1.01536	0.474923	-2.41965	0.025254	0.063229	-3.87448
MEFV	-0.59553	0.422918	-2.41954	0.02526	0.063235	-3.87468
PPAPDC3	0.845543	-0.00934	2.418848	0.025297	0.063319	-3.876
SPINK4	0.769396	-0.28729	2.418566	0.025312	0.063349	-3.87654
PTAR1	-0.78153	-0.07697	-2.41813	0.025335	0.063392	-3.87738
LOC100501	1.090129	-0.71118	2.404858	0.030736	0.073488	-3.87934
TSGA10	-0.65332	0.262453	-2.4164	0.025427	0.06359	-3.88067
AHSG	0.453635	-0.22367	2.416317	0.025432	0.063593	-3.88083
KCNK6	-0.4187	0.409524	-2.41611	0.025443	0.063604	-3.88122
C5orf47	-0.50758	0.101517	-2.41591	0.025454	0.063623	-3.8816
USP16	-0.6413	0.219553	-2.41664	0.025971	0.064536	-3.88167
PUM2	-0.56147	0.435652	-2.41531	0.025486	0.063684	-3.88274
PSMA6	-1.16926	-0.33005	-2.41529	0.025487	0.063684	-3.88279
TMED2	-0.7357	-0.01015	-2.41522	0.025491	0.063684	-3.88292
FEM1B	-0.68548	0.419449	-2.4152	0.025492	0.063684	-3.88295
ZNF593	0.578301	-0.22612	2.415152	0.025495	0.063684	-3.88305
ACTR3C	-0.95492	0.381853	-2.41476	0.025515	0.06372	-3.88379
LOC100506	-0.54925	0.009727	-2.41449	0.02553	0.063742	-3.88431
IFRD2	0.639187	-0.28908	2.414477	0.025531	0.063742	-3.88433
SPOPL	-0.90225	0.662899	-2.41423	0.025544	0.063759	-3.88481
PPP1R16A	-0.46501	0.610758	-2.41392	0.025561	0.063785	-3.88539
LOC646511	0.486277	-0.39721	2.413824	0.025566	0.063789	-3.88558
SNRNP48	-0.6306	0.39561	-2.41376	0.025569	0.06379	-3.88569
MMP19	0.499797	-0.30417	2.413459	0.025586	0.063821	-3.88627
CENPA	-1.49853	0.408446	-2.41341	0.025588	0.063821	-3.88637
FLII	-0.5232	0.45711	-2.41311	0.025604	0.063853	-3.88693
JUP	1.055063	-0.31384	2.412987	0.025611	0.063857	-3.88717
PEX10	0.437269	-0.03138	2.412961	0.025612	0.063857	-3.88722
ADAM30	0.871322	-0.3083	2.412749	0.025624	0.063877	-3.88763
USP1	-0.73915	-0.16889	-2.41269	0.025627	0.063877	-3.88774
SERPINA13	0.804851	-0.42354	2.352278	0.03287	0.077216	-3.88827
SETP4	0.807582	-0.12433	2.412842	0.026177	0.064934	-3.88884
SLC19A2	-0.93821	0.308578	-2.41148	0.025692	0.064015	-3.89004
TXNDC9	-0.90173	-0.17554	-2.41107	0.025715	0.064054	-3.89082
ZNF462	0.882006	-0.48559	2.367042	0.03761	0.0855	-3.89085
OFD1	-0.39637	0.384867	-2.41067	0.025736	0.064095	-3.89158
CLCN6	-0.42868	0.432955	-2.41065	0.025737	0.064095	-3.89162
CD163L1	-0.85904	0.129357	-2.41029	0.025757	0.064121	-3.89232
NPTXR	0.385969	-0.23092	2.410277	0.025758	0.064121	-3.89233

POTEM	-0.67774	0.524351	-2.41019	0.025762	0.064124	-3.8925
GCFC1	-0.86698	0.242745	-2.41005	0.02577	0.064134	-3.89276
SLCO2A1	-0.52986	0.34356	-2.41072	0.026293	0.065139	-3.89284
TTN	-0.73632	0.392906	-2.40998	0.025774	0.064137	-3.8929
SPTBN4	0.472829	-0.2185	2.409605	0.025794	0.064179	-3.89361
LOC100506	1.26577	-1.0895	2.36514	0.037736	0.085677	-3.89391
GRAPL	-0.70919	0.659404	-2.40911	0.025821	0.064229	-3.89455
PLXNA1	-0.3567	0.190561	-2.40905	0.025824	0.064229	-3.89467
GON4L	-0.62814	0.443051	-2.40864	0.025847	0.064277	-3.89545
ZNF564	-0.95886	0.491718	-2.40806	0.025878	0.064347	-3.89656
GPATCH3	-0.28007	0.234984	-2.40766	0.0259	0.064393	-3.89731
PRKX	0.597317	-0.27827	2.407468	0.02591	0.064411	-3.89768
MGAT4B	-0.48226	0.56569	-2.40738	0.025915	0.064415	-3.89785
RERGL	-0.71567	0.180544	-2.40679	0.025948	0.064487	-3.89897
ZFC3H1	-0.66579	0.313744	-2.40618	0.025981	0.064553	-3.90012
TSPAN8	-0.38237	0.03796	-2.40661	0.027146	0.066855	-3.90136
STAMBPL1	-0.82961	0.526094	-2.40597	0.026553	0.065676	-3.90178
PHF16	0.404395	-0.39317	2.4051	0.02604	0.064691	-3.90218
SNAPC2	0.472727	-0.21257	2.40476	0.026058	0.06473	-3.90282
KCNA1	0.54462	-0.11288	2.40503	0.026605	0.065747	-3.90355
CCND1	-0.39762	0.236369	-2.40434	0.026081	0.064778	-3.90362
AIG1	-0.7027	0.23692	-2.40419	0.02609	0.064785	-3.90391
TGFB1	-0.45716	0.611685	-2.40417	0.026091	0.064785	-3.90395
TTC39C	0.607852	-0.25012	2.403803	0.026111	0.064819	-3.90464
PARP16	0.555628	-0.13276	2.403721	0.026115	0.064822	-3.9048
LOC100507	-0.50967	0.165739	-2.4043	0.026646	0.065813	-3.90492
RAB13	0.391648	-0.11299	2.403594	0.026122	0.064831	-3.90504
CYBRD1	0.867023	-0.66575	2.403182	0.026145	0.064879	-3.90582
LSP1	0.50546	-0.1315	2.402728	0.02617	0.064933	-3.90669
LOC100655	-0.87589	0.422298	-2.4026	0.026177	0.064934	-3.90693
KCNMA1	-2.27849	1.17801	-2.40252	0.026181	0.064937	-3.90708
PGRMC2	-0.371	0.301721	-2.40185	0.026218	0.065019	-3.90835
ZC3HAV1	-0.73886	0.869758	-2.40085	0.026273	0.065125	-3.91025
ECI1	0.540597	-0.212	2.400797	0.026276	0.065125	-3.91036
AFTPH	-0.71488	0.411471	-2.40072	0.026281	0.065125	-3.9105
TIMP3	0.521891	-0.36599	2.400717	0.026281	0.065125	-3.91051
MST1R	0.601155	-0.31537	2.400616	0.026286	0.065131	-3.9107
XYLT1	0.536412	-0.32343	2.399333	0.026357	0.065282	-3.91313
INVS	-0.60923	0.658181	-2.39918	0.026366	0.065294	-3.91342
SYPL1	0.421669	-0.72621	2.399107	0.02637	0.065294	-3.91356
VGLL3	0.386667	-0.22499	2.399067	0.026372	0.065294	-3.91364
C15orf42	-0.81731	0.456693	-2.39859	0.026398	0.065351	-3.91454
KIDINS220	-0.95142	0.421103	-2.39749	0.026459	0.065485	-3.91663
CNDP2	-0.58024	0.495841	-2.39686	0.026495	0.065565	-3.91783
TCOF1	0.539724	0.055415	2.396595	0.026509	0.065592	-3.91833
PHF3	-0.46261	0.336417	-2.3959	0.026548	0.065672	-3.91965
COX2	0.773213	-0.2118	2.395622	0.026564	0.065693	-3.92018

UBE2V1	-0.33423	0.226597	-2.39555	0.026568	0.065695	-3.92031
RPS20P27	1.012979	-0.93793	2.395153	0.02659	0.065739	-3.92107
PQLC2	0.28715	-0.04656	2.395113	0.026592	0.065739	-3.92114
C4orf33	-0.99921	0.053221	-2.39496	0.026601	0.065747	-3.92144
SKAP2	-0.9471	0.4095	-2.39487	0.026606	0.065747	-3.9216
CCDC83	-0.6884	0.115362	-2.39461	0.02662	0.065775	-3.9221
UBAC2-AS1	-0.47038	0.46839	-2.3945	0.026627	0.065782	-3.92231
PEX11G	-0.79814	0.148351	-2.39426	0.02664	0.065807	-3.92276
SPATA2	-0.90275	0.444744	-2.39401	0.026654	0.065824	-3.92323
CABYR	0.685889	-0.03151	2.394355	0.027202	0.066942	-3.92361
SPC25	-1.09871	0.570322	-2.39363	0.026675	0.065862	-3.92396
FAM86B2	-0.73623	0.283329	-2.39362	0.026676	0.065862	-3.92397
ZNF770	0.371291	-0.50907	2.393518	0.026681	0.065868	-3.92417
WDR54	0.673612	-0.31444	2.393395	0.026688	0.065877	-3.9244
LIN7C	-0.82897	0.311829	-2.39271	0.026727	0.065964	-3.92571
RHOBTB1	1.064125	-0.11959	2.375637	0.028922	0.070119	-3.92586
PTF1A	0.341571	-0.36611	2.390069	0.026875	0.066322	-3.93071
LOC100129	0.548364	-0.505	2.373492	0.033898	0.078941	-3.93157
DPPA2	0.843254	-0.25952	2.390105	0.027443	0.067409	-3.93159
NKAIN2	0.451257	-0.01276	2.390092	0.027443	0.067409	-3.93161
MZF1	-0.33682	0.458256	-2.38959	0.026903	0.066381	-3.93162
HNRNPA3	-0.88137	0.402276	-2.38947	0.026909	0.066388	-3.93184
LOC64344	-0.64139	0.059203	-2.38976	0.027462	0.067439	-3.93224
MLL5	-0.66192	0.568039	-2.38906	0.026932	0.066436	-3.93261
RBM38	0.982979	-0.15075	2.388767	0.026949	0.06647	-3.93317
FAM122B	-0.50912	0.303293	-2.38862	0.026957	0.066482	-3.93345
MAGEA5	0.514321	-0.50838	2.374052	0.031509	0.07489	-3.93346
TNFSF8	0.250488	-0.07468	2.388397	0.02697	0.066504	-3.93387
C1orf87	-0.50772	-0.33524	-2.38833	0.026973	0.066505	-3.934
LOC40079	0.379985	-0.10789	2.388429	0.027538	0.067557	-3.93473
C2orf16	-0.46306	-0.03772	-2.38793	0.026996	0.066553	-3.93475
TP53AIP1	0.612489	-0.26916	2.387858	0.027	0.066555	-3.93489
KCTD13	-0.37442	0.499754	-2.38771	0.027008	0.066566	-3.93517
HRCT1	0.425893	-0.33755	2.346794	0.030673	0.073384	-3.93543
PAH	-0.54451	0.085101	-2.38712	0.027042	0.066642	-3.9363
ARHGAP35	-0.65158	0.670557	-2.38609	0.0271	0.066773	-3.93824
PFKFB4	-0.83703	0.443733	-2.38605	0.027103	0.066773	-3.93831
B3GNT7	0.375949	-0.0582	2.385889	0.027112	0.066788	-3.93862
KIRREL2	0.278161	-0.02699	2.386293	0.02766	0.067772	-3.93873
POLD3	-0.45423	0.044866	-2.38578	0.027118	0.066795	-3.93882
GUCA1A	0.763209	-0.33068	2.316183	0.033401	0.078107	-3.9403
POU5F1	0.471163	-0.31582	2.384809	0.027173	0.066914	-3.94067
LCE1E	1.136577	-1.04746	2.265208	0.047294	0.101733	-3.94081
PPM1G	-0.36682	0.44185	-2.38456	0.027188	0.066935	-3.94114
ZNF404	-1.02906	0.405924	-2.38446	0.027193	0.066935	-3.94132
EPDR1	-1.01076	0.323937	-2.38443	0.027195	0.066935	-3.94139
SHISA7	0.627821	-0.29217	2.384424	0.027195	0.066935	-3.94139

BANF1	-0.50333	0.733672	-2.38418	0.02721	0.066953	-3.94186
TRIM72	0.382977	-0.14693	2.384079	0.027215	0.066954	-3.94205
VCL	-0.85389	0.897069	-2.384	0.02722	0.066954	-3.94219
CNIH	-0.43213	-0.11978	-2.38398	0.02722	0.066954	-3.94223
BID	-0.73263	0.459251	-2.38391	0.027225	0.066956	-3.94236
IPW	-0.8441	0.574305	-2.36662	0.029459	0.071157	-3.94248
PHACTR1	-1.05117	0.567414	-2.38308	0.027272	0.067065	-3.94394
ETFA	-0.42136	0.169998	-2.38292	0.027281	0.067079	-3.94425
CCDC71	-0.33302	0.306822	-2.38232	0.027316	0.067155	-3.94538
TM7SF4	-0.49563	0.197251	-2.38282	0.028501	0.06939	-3.94552
ARFGEF1	-0.39544	0.042728	-2.3818	0.027346	0.06722	-3.94636
STYX	-0.54381	0.26349	-2.38159	0.027358	0.067241	-3.94676
C2orf80	-0.79392	0.146249	-2.36247	0.029058	0.070378	-3.94791
CHDH	-0.58783	0.189677	-2.3803	0.027431	0.067398	-3.94919
C8A	-0.41066	-0.0163	-2.38029	0.027432	0.067398	-3.94921
ARFIP2	0.29438	-0.09431	2.37985	0.027457	0.067435	-3.95004
TAF6	-0.44795	0.443434	-2.37964	0.02747	0.067449	-3.95045
KIAA1751	-0.5185	-0.03515	-2.37943	0.027481	0.067469	-3.95083
GABPB2	-0.80236	1.12873	-2.37935	0.027486	0.067472	-3.95098
COMMD8	-1.22087	-0.46836	-2.37898	0.027508	0.067517	-3.95169
PIK3CB	-0.96373	0.525038	-2.37875	0.027521	0.06754	-3.95212
LPXN	0.455166	-0.05073	2.378566	0.027531	0.067557	-3.95247
PPP1CA	-0.33633	0.429683	-2.3785	0.027535	0.067557	-3.9526
BCL2L13	-0.58001	0.420568	-2.37836	0.027543	0.067561	-3.95285
RAB11FIP5	0.576867	-0.44118	2.378193	0.027553	0.067577	-3.95317
APTX	-0.33479	0.189094	-2.37794	0.027567	0.067604	-3.95365
PDLIM7	-0.74587	0.714438	-2.37759	0.027587	0.067645	-3.95431
DCAF13	-0.67506	0.249577	-2.37752	0.027592	0.067646	-3.95444
DSN1	-0.94538	0.519606	-2.37746	0.027595	0.067646	-3.95455
TECPR2	-0.86626	0.91356	-2.37696	0.027624	0.067703	-3.9555
PTOV1	-0.48729	0.686056	-2.37694	0.027625	0.067703	-3.95553
ACSL3	-1.02009	0.371673	-2.37644	0.027654	0.067767	-3.95649
ISL2	-1.21948	0.989708	-2.37618	0.027669	0.067783	-3.95698
PJA2	-1.01329	0.082613	-2.37614	0.027672	0.067783	-3.95706
ATHL1	-0.78592	0.636042	-2.37565	0.0277	0.067844	-3.95798
MEPE	0.702393	-0.16306	2.356914	0.029393	0.071031	-3.95823
RCL1	-0.49962	0.076011	-2.37481	0.027749	0.067955	-3.95956
DNAJC9	-0.50719	0.422699	-2.37431	0.027778	0.068018	-3.96051
DNAJC2	-0.67224	0.494241	-2.37408	0.027791	0.068042	-3.96095
CLDN1	0.757458	-0.17919	2.373722	0.027812	0.068085	-3.96162
C17orf110	0.411357	-0.14291	2.373892	0.02838	0.06918	-3.96194
GRPEL1	-0.82501	0.334602	-2.37339	0.027831	0.068118	-3.96225
C7orf36	0.432841	-0.53295	2.373371	0.027833	0.068118	-3.96228
RAB28	0.660463	-0.23355	2.37301	0.027854	0.068153	-3.96296
KLF13	-0.48359	0.410198	-2.37301	0.027854	0.068153	-3.96297
TAS2R40	-0.42408	-0.05921	-2.37293	0.027858	0.068155	-3.96311
C14orf37	-0.53171	0.218675	-2.37314	0.028424	0.069245	-3.96335

LOC283588	0.459297	-0.16767	2.372768	0.027868	0.06817	-3.96342
SLAIN2	-0.78312	0.897013	-2.3727	0.027871	0.068171	-3.96354
FAM166B	0.331294	-0.26786	2.373011	0.028431	0.069255	-3.96359
BLNK	-1.266	0.553184	-2.35325	0.029616	0.07148	-3.96502
FKBP3	-0.61705	0.295039	-2.37171	0.02793	0.068304	-3.96542
TNFRSF13C	-0.68692	0.758338	-2.37159	0.027936	0.068312	-3.96563
TWF2	-0.53164	0.432889	-2.37139	0.027948	0.068333	-3.96602
ZNF496	0.386958	-0.22178	2.370928	0.027975	0.06839	-3.96689
LOC100506	-0.44259	-0.04715	-2.35221	0.02968	0.071592	-3.96696
LINC00476	-0.32342	0.043047	-2.37071	0.027988	0.068413	-3.9673
BACH1	-0.64346	0.182844	-2.37044	0.028004	0.068443	-3.96782
FTSJ3	-0.3813	0.466796	-2.3697	0.028047	0.068533	-3.96921
SEMA6B	-0.7648	0.052039	-2.36969	0.028048	0.068533	-3.96922
MIXL1	0.367699	-0.07573	2.369527	0.028057	0.068548	-3.96953
CCDC105	0.775794	-0.17075	2.369119	0.028081	0.068598	-3.9703
SOX11	-0.54574	0.059651	-2.36869	0.028106	0.068648	-3.97111
C2orf73	-0.59282	0.058687	-2.36862	0.02811	0.068648	-3.97124
ZNF720	-0.44556	0.543765	-2.36859	0.028112	0.068648	-3.9713
ABO	1.054277	-0.40098	2.368675	0.029336	0.070912	-3.97168
ATXN3L	0.861881	-0.23932	2.36815	0.028138	0.068703	-3.97213
FOSL2	-0.86634	0.9406	-2.3677	0.028165	0.068759	-3.97297
MLL3	-0.52594	0.240165	-2.36759	0.028171	0.068759	-3.97318
FAM45A	-0.96869	0.464899	-2.36751	0.028176	0.068759	-3.97334
ZNHIT2	0.476936	-0.10941	2.36747	0.028178	0.068759	-3.97341
TEC	-0.62754	0.420983	-2.36747	0.028179	0.068759	-3.97342
RNPC3	-1.05805	0.366649	-2.3672	0.028194	0.068788	-3.97392
ADAMTS4	1.196524	-0.50243	2.333684	0.03804	0.086189	-3.9748
LOC158571	-0.57059	0.401011	-2.34782	0.029949	0.072083	-3.9751
MAP9	0.80724	-0.1331	2.347585	0.029964	0.072091	-3.97554
HEATR7A	-0.38553	0.419026	-2.36626	0.02825	0.068915	-3.97569
GPHN	0.394441	-0.30958	2.365852	0.028274	0.06896	-3.97646
GGPS1	-0.39549	-0.0046	-2.36583	0.028275	0.06896	-3.9765
CHAT	0.489128	-0.18549	2.36506	0.028321	0.069063	-3.97795
SERPINC1	-0.85428	0.376426	-2.36475	0.028339	0.069099	-3.97854
NLGN4X	0.793843	-0.3622	2.347527	0.03137	0.07466	-3.97911
LRRC47	0.787848	-0.09531	2.364245	0.028369	0.069163	-3.97949
FGF6	-0.35348	0.222421	-2.36367	0.028403	0.069222	-3.98058
SLC7A14	-0.74162	0.199582	-2.36366	0.028404	0.069222	-3.9806
ORC5	-0.71924	0.489774	-2.36346	0.028416	0.069242	-3.98096
SLC17A2	-0.68841	0.244522	-2.36333	0.028423	0.069245	-3.98121
MORC2	0.678756	-0.11661	2.36272	0.02846	0.069315	-3.98236
GGTLC1	-0.76499	0.417242	-2.36258	0.028468	0.069326	-3.98262
YEATS4	-0.76223	0.074279	-2.36209	0.028497	0.069389	-3.98355
KDM6B	-1.1144	0.920957	-2.36192	0.028507	0.069394	-3.98387
MSL3P1	-0.72887	0.434257	-2.36187	0.02851	0.069394	-3.98395
PQLC1	-0.47506	0.414015	-2.36162	0.028525	0.069422	-3.98442
CRIPAK	-0.7074	0.259254	-2.36152	0.028531	0.069429	-3.98462

NTSR1	-1.30873	1.11993	-2.36143	0.028537	0.069433	-3.98479
TFAP2D	0.381258	-0.14101	2.361216	0.029786	0.071804	-3.98544
NLGN1	0.33347	-0.0979	2.360939	0.028566	0.069496	-3.98571
SF3B1	-0.70118	0.237647	-2.36087	0.02857	0.069497	-3.98584
NMNAT3	0.820707	-0.20733	2.359424	0.028656	0.069699	-3.98856
CKAP2L	-0.82072	0.288588	-2.35919	0.02867	0.069724	-3.98901
OR4C1P	-0.53381	0.242024	-2.35893	0.028686	0.069753	-3.98949
FBLL1	-0.61603	-0.06768	-2.35882	0.028692	0.069761	-3.9897
C1QTNF7	0.45621	-0.23077	2.358499	0.028712	0.069799	-3.9903
GNL3	-0.82446	0.487663	-2.35811	0.028735	0.069837	-3.99103
CIITA	-1.00115	1.228028	-2.35806	0.028738	0.069837	-3.99113
TRAFD1	-0.64126	0.648622	-2.35802	0.02874	0.069837	-3.9912
WDR74	0.579658	-0.21911	2.357999	0.028742	0.069837	-3.99124
DUS2L	-0.47034	0.485484	-2.35793	0.028746	0.069838	-3.99137
ANLN	-1.49318	0.783874	-2.35785	0.028751	0.069842	-3.99153
PLEKHG3	0.616165	-0.08067	2.357747	0.028757	0.069848	-3.99172
ZBTB37	-0.52252	0.334626	-2.35756	0.028768	0.069849	-3.99208
NEK6	0.370082	-0.36195	2.357553	0.028769	0.069849	-3.99208
FAM89B	-0.36441	0.3152	-2.35748	0.028773	0.069849	-3.99221
LOC100133	-0.58856	0.325518	-2.35746	0.028774	0.069849	-3.99225
NUDT8	0.713382	-0.29447	2.357439	0.028775	0.069849	-3.9923
SNPH	0.702049	-0.17243	2.357225	0.028788	0.069872	-3.9927
OR6A2	-0.49063	0.14662	-2.35698	0.028803	0.069898	-3.99316
LOC100501	0.613074	-0.38504	2.356929	0.028806	0.069898	-3.99326
IKZF2	0.474161	-0.40782	2.356858	0.02881	0.0699	-3.99339
VPS13B	-0.67844	0.496704	-2.35665	0.028823	0.069921	-3.99378
DENND5A	-0.51744	0.319659	-2.35641	0.028837	0.069948	-3.99423
ENTPD3	-0.29735	0.173238	-2.35564	0.028883	0.070051	-3.99567
FAM179B	-0.27786	0.055572	-2.35541	0.028898	0.070077	-3.99612
ANO3	-0.65882	0.084335	-2.33645	0.030658	0.073366	-3.99614
MFSD5	-0.29249	0.231525	-2.35505	0.028919	0.070119	-3.99679
SLC25A42	0.490091	-0.11756	2.354635	0.028944	0.070157	-3.99757
FAM199X	-0.88395	0.307155	-2.35463	0.028945	0.070157	-3.99758
MRPL28	-0.33722	0.192467	-2.35405	0.02898	0.070232	-3.99866
RGMA	0.439984	-0.30587	2.353835	0.028993	0.070255	-3.99907
LOC100501	1.155553	-0.43293	2.283023	0.035682	0.082166	-3.99924
LY86	0.843699	-0.31254	2.353382	0.02902	0.070313	-3.99992
NOTCH1	-0.84488	0.748293	-2.35309	0.029038	0.070347	-4.00047
LIFR	-0.59768	0.066351	-2.35277	0.029057	0.070378	-4.00107
PRPF40B	0.606781	-0.20067	2.352694	0.029062	0.070378	-4.00122
LCN12	0.321177	-0.20207	2.352641	0.029065	0.070378	-4.00131
SLMO1	-0.48257	0.386075	-2.35228	0.029087	0.070422	-4.00199
CD248	0.739399	-0.30466	2.35159	0.029129	0.070515	-4.00329
HAPLN1	-0.6507	0.200539	-2.35157	0.029718	0.071677	-4.00355
RANBP3	-0.6361	0.61939	-2.35095	0.029168	0.070593	-4.00448
ABCA1	-0.68696	0.139567	-2.35089	0.029171	0.070593	-4.0046
AMPH	-0.86564	0.308694	-2.35089	0.029172	0.070593	-4.00461

SIGLECP3	0.706019	-0.43612	2.332432	0.031582	0.074998	-4.00518
PRDM7	-0.42621	0.087389	-2.35033	0.029205	0.070666	-4.00565
CCDC27	0.675396	-0.41568	2.331689	0.031629	0.075075	-4.00653
PDCD11	0.663267	-0.17061	2.349693	0.029244	0.070751	-4.00685
CUBN	-0.42498	0.375006	-2.34948	0.029257	0.070774	-4.00725
TMEM129	0.22089	-0.04418	2.349103	0.02928	0.070821	-4.00796
KLC1	-1.43616	1.275295	-2.34871	0.029304	0.07087	-4.00869
LIAS	-0.44658	0.200426	-2.34853	0.029315	0.070888	-4.00903
PPP2R2A	-0.60725	0.354245	-2.34837	0.029325	0.070903	-4.00934
SLCO1B1	0.931093	-0.14457	2.30605	0.033315	0.077954	-4.00951
SLC2A10	0.408601	-0.33456	2.3482	0.029336	0.070912	-4.00965
FLJ40453	-0.73497	0.067611	-2.34591	0.032315	0.076322	-4.00973
FLJ20021	0.608227	-0.46525	2.347427	0.029383	0.071016	-4.0111
GALNTL1	0.411665	-0.35214	2.347189	0.029397	0.071034	-4.01155
CUX1	-0.8406	0.655353	-2.34676	0.029424	0.071089	-4.01235
CDH26	-0.61621	0.486115	-2.34634	0.02945	0.071143	-4.01315
PKN2	0.628876	-0.5777	2.345387	0.029508	0.071266	-4.01493
MTRF1L	-0.63889	0.284368	-2.34531	0.029513	0.071269	-4.01507
TMEM144	-0.74628	0.36124	-2.34505	0.029529	0.071298	-4.01555
CTSW	1.030465	-0.16791	2.344888	0.029539	0.071314	-4.01586
NRN1	0.956282	-0.35643	2.344012	0.029593	0.071436	-4.01751
ANKRD26	-0.43288	0.029515	-2.3436	0.029619	0.07148	-4.01829
SH2B1	-0.50184	0.459359	-2.34351	0.029624	0.071484	-4.01844
HYAL4	-0.58052	-0.23222	-2.34318	0.029644	0.071524	-4.01906
OGN	0.800785	-0.33617	2.300598	0.033685	0.078573	-4.01938
RYR1	0.64519	0.067706	2.342626	0.029678	0.071592	-4.0201
IL10RA	0.427169	-0.21371	2.341427	0.029753	0.071742	-4.02235
MAGEC2	0.461271	-0.21753	2.322101	0.031576	0.074995	-4.02262
EFCAB11	-0.70148	0.589554	-2.3408	0.030385	0.072846	-4.02355
SERAC1	-1.51143	1.10479	-2.34071	0.029797	0.071823	-4.0237
JMJD5	0.509621	-0.23506	2.340042	0.029839	0.071914	-4.02494
NMT1	-0.40798	0.28747	-2.33997	0.029843	0.071916	-4.02509
MASTL	-0.86765	0.434686	-2.33961	0.029865	0.07196	-4.02575
TNNI2	-0.67726	0.33792	-2.33919	0.029891	0.072014	-4.02653
IL22RA1	0.631023	-0.10735	2.339101	0.030492	0.073039	-4.0267
ENO1	-0.47941	0.301059	-2.33901	0.029903	0.072032	-4.02687
CCDC50	-0.56911	0.583129	-2.33889	0.02991	0.072034	-4.0271
EFCAB7	-0.99507	0.343238	-2.33885	0.029913	0.072034	-4.02718
PAX7	0.447595	-0.2994	2.338731	0.02992	0.072034	-4.0274
LOC100288	-0.43269	0.145752	-2.33871	0.029922	0.072034	-4.02745
PRDM4	-0.26165	0.057583	-2.33862	0.029927	0.072038	-4.0276
MRPS27	0.572535	-0.36876	2.338082	0.029961	0.072091	-4.02861
CD8A	1.216625	-0.75839	2.338048	0.029963	0.072091	-4.02868
FAT1	-0.31431	0.147868	-2.33786	0.029975	0.072109	-4.02904
AIF1L	-0.62077	0.470664	-2.33704	0.030026	0.072222	-4.03056
RNASE3	-1.11529	0.560058	-2.33669	0.030048	0.072262	-4.03122
LPAR3	-0.6611	-0.10877	-2.31813	0.032511	0.076685	-4.03127

SERPING1	-1.33729	1.36187	-2.33666	0.03005	0.072262	-4.03128
GPHA2	0.355718	-0.32509	2.336224	0.030077	0.072314	-4.03209
TRHR	-0.44155	0.142051	-2.3362	0.030079	0.072314	-4.03214
ADAMTS1	0.74242	-0.13323	2.316858	0.031918	0.075622	-4.03228
GPR55	0.402788	-0.3791	2.335964	0.030093	0.072338	-4.03258
NDUFB4	-0.40502	0.252155	-2.3359	0.030097	0.072338	-4.03269
STGC3	0.410701	-0.14438	2.33586	0.0301	0.072338	-4.03277
CCDC146	-0.70596	0.505378	-2.33574	0.030107	0.07234	-4.033
HS3ST3B1	-0.66866	-0.08651	-2.33568	0.030111	0.07234	-4.03311
FLJ23152	0.428298	-0.24081	2.335668	0.030112	0.07234	-4.03313
KIF3C	-0.68501	0.934838	-2.33526	0.030137	0.07237	-4.03389
ICAM3	0.491695	-0.15446	2.335258	0.030137	0.07237	-4.0339
LOC100125	-1.0513	0.512212	-2.33524	0.030139	0.07237	-4.03394
DTNA	0.541989	-0.22773	2.335236	0.030139	0.07237	-4.03394
PIK3CG	-0.86976	0.553532	-2.33492	0.030159	0.072409	-4.03454
KHDRBS3	0.40056	-0.28135	2.334678	0.030174	0.072436	-4.03498
NPVF	0.510632	-0.23663	2.334471	0.030187	0.072458	-4.03537
USP4	-0.6086	0.57847	-2.33438	0.030192	0.072463	-4.03554
DSCAM-AS	-0.41735	0.260005	-2.33386	0.030225	0.072532	-4.03651
EPHX4	0.409964	-0.32537	2.333393	0.030852	0.073667	-4.03728
CFI	-0.59142	0.168424	-2.33343	0.030252	0.072589	-4.03732
DIO3	0.406769	-0.30505	2.332789	0.031559	0.074971	-4.03767
CCNA1	-0.47214	0.095868	-2.33275	0.030893	0.073741	-4.03848
SEC22A	-0.56047	0.012773	-2.33258	0.030306	0.072709	-4.03891
SYNE1	-0.51709	0.086199	-2.33246	0.030313	0.072717	-4.03912
TAF9	-0.59273	0.263295	-2.33229	0.030324	0.072734	-4.03944
SLC29A1	0.908835	-0.19597	2.332012	0.030342	0.072768	-4.03997
AKAP1	0.714228	-0.41204	2.331816	0.030354	0.072788	-4.04033
GIN5	-0.58664	0.470292	-2.33152	0.030372	0.072824	-4.04088
AKAP5	0.47716	0.059606	2.331164	0.030395	0.072861	-4.04155
USP15	-0.93727	0.451998	-2.3304	0.030444	0.072968	-4.04299
DNAJC4	-0.40885	0.213213	-2.33011	0.030462	0.073003	-4.04352
ADAM33	0.355677	-0.17109	2.329928	0.030473	0.073014	-4.04386
LOC149355	0.485386	-0.12195	2.329918	0.030474	0.073014	-4.04388
ACRBP	0.852595	-0.08779	2.329717	0.030487	0.073036	-4.04426
HIST2H2BC	-0.37781	0.305715	-2.32956	0.030497	0.073042	-4.04456
NFYB	-0.75657	0.066962	-2.32918	0.030521	0.073081	-4.04526
ADH1C	0.396816	-0.23233	2.329179	0.030521	0.073081	-4.04526
DAAM2	-1.40765	0.336154	-2.32909	0.030527	0.073086	-4.04543
PPT1	-0.72737	0.383069	-2.3285	0.030564	0.073167	-4.04653
DIDO1	-1.35531	0.916143	-2.32757	0.030623	0.073291	-4.04827
PAPOLG	-0.72821	0.134061	-2.32657	0.030687	0.073407	-4.05014
FAM195A	0.460749	-0.24817	2.326513	0.03069	0.073407	-4.05024
WNT2	1.111915	-1.04349	2.179745	0.050163	0.10658	-4.05026
UBAP1L	0.348333	-0.08229	2.326227	0.030709	0.073442	-4.05077
CYP27B1	-0.52491	0.221876	-2.32586	0.030732	0.073488	-4.05146
MST1	0.507896	-0.36364	2.325726	0.030741	0.073491	-4.05171

SHANK2	0.562856	-0.6844	2.307276	0.034	0.079111	-4.05172
VPS4B	-1.26428	0.75167	-2.32528	0.030769	0.073549	-4.05254
PCDHB9	0.612064	-0.77828	2.30681	0.034032	0.079166	-4.05255
RSBN1L	-0.53546	0.041472	-2.32523	0.030772	0.073549	-4.05263
LTB	0.74416	-0.18695	2.325032	0.030785	0.07357	-4.053
NUPL1	-0.86338	0.211535	-2.32478	0.030801	0.073599	-4.05347
SNHG11	-0.39203	0.3679	-2.32463	0.030811	0.073613	-4.05375
SMPD4	-0.74338	0.745289	-2.32451	0.030819	0.073621	-4.05398
STK24	-0.5891	0.676726	-2.32447	0.030821	0.073621	-4.05406
HHLA2	-0.95167	0.484232	-2.32422	0.030837	0.073649	-4.05451
FAM154B	0.538128	-0.11414	2.324102	0.030845	0.073659	-4.05474
ATP8B5P	0.856039	-0.29821	2.30411	0.032763	0.077097	-4.0557
ESYT1	0.724859	-0.14151	2.323445	0.030887	0.073741	-4.05597
SLC25A38	0.576404	-0.22526	2.32333	0.030894	0.073741	-4.05618
ANXA8L2	-1.03671	0.311257	-2.32308	0.03091	0.07377	-4.05665
PPAP2B	-0.52947	0.561382	-2.32242	0.030953	0.073862	-4.05788
GRIK4	-0.56872	-0.13307	-2.32059	0.033108	0.077617	-4.05812
B3GALT1	-0.47098	0.068135	-2.32181	0.031595	0.075022	-4.05871
LOC28434	-0.72393	0.016665	-2.30299	0.033522	0.078325	-4.05879
HIST1H2AM	-0.79088	0.943895	-2.32172	0.030998	0.073961	-4.05919
TTY5	0.541064	-0.38068	2.318157	0.034131	0.07935	-4.0593
ZNF786	-0.52544	0.451543	-2.32161	0.031005	0.073969	-4.05939
CHRNA4	0.464386	-0.42967	2.321302	0.031025	0.074007	-4.05996
CCDC76	0.682567	-0.14647	2.321214	0.03103	0.074012	-4.06013
PHLDA2	1.133594	-0.67357	2.250415	0.038971	0.08779	-4.06065
PLK1S1	-0.38282	0.260053	-2.32079	0.031058	0.074068	-4.06092
MAP3K4	0.425016	-0.10273	2.320248	0.031093	0.074142	-4.06193
COL5A3	0.53079	-0.3026	2.319665	0.03113	0.07422	-4.06301
WDR11	-0.44507	0.295731	-2.31963	0.031133	0.07422	-4.06308
RSPH10B	0.873281	-0.39764	2.299186	0.033094	0.077603	-4.06472
UBE2Q2P1	0.637499	-0.42818	2.318734	0.03119	0.074348	-4.06475
RAD51AP1	-1.34309	0.542002	-2.29958	0.033754	0.078679	-4.06498
PARP1	0.630153	-0.17673	2.318482	0.031207	0.074378	-4.06522
GPR1	-0.89372	0.413385	-2.31842	0.031211	0.074379	-4.06533
CX3CL1	-0.27739	0.179549	-2.31809	0.031232	0.07442	-4.06594
UBR4	-0.51798	0.496199	-2.31776	0.031253	0.074462	-4.06655
MTMR10	-0.67452	0.062674	-2.31756	0.031267	0.074485	-4.06694
DSCR9	-0.35131	0.041681	-2.31713	0.031295	0.074542	-4.06774
IFT80	-1.19995	0.524091	-2.31681	0.031315	0.074583	-4.06834
TRPV5	0.533919	-0.45539	2.316577	0.03133	0.074604	-4.06877
MDK	0.538767	-0.29061	2.316555	0.031332	0.074604	-4.06881
LGALS12	0.776637	-0.40735	2.316312	0.031348	0.074632	-4.06926
ZNF730	0.461627	-0.03899	2.316066	0.03197	0.0757	-4.0693
ZNF592	0.366283	-0.12245	2.316169	0.031357	0.074637	-4.06953
TOMM34	-0.72531	0.949916	-2.31617	0.031357	0.074637	-4.06953
KSR2	-0.69339	0.16487	-2.3157	0.031387	0.074691	-4.0704
C8orf75	-0.48454	-0.07038	-2.31517	0.031422	0.074764	-4.07138

CDH17	-0.34247	0.049263	-2.29545	0.033348	0.078012	-4.07157
CYP11A1	-0.37154	0.303571	-2.31498	0.031434	0.074784	-4.07173
HIST3H2A	-0.88124	0.68264	-2.31492	0.031438	0.074784	-4.07184
ZNF283	-0.56307	0.204507	-2.31467	0.031455	0.074815	-4.07232
ERGIC3	-0.34712	0.318812	-2.3146	0.031459	0.074816	-4.07244
H3F3C	-0.61756	0.464082	-2.31428	0.03148	0.074857	-4.07305
FTSJD2	-0.52728	0.434136	-2.31419	0.031486	0.074861	-4.0732
SFRP1	0.504416	-0.40967	2.314129	0.03149	0.074862	-4.07332
HABP4	0.549999	-0.15427	2.313962	0.031501	0.074879	-4.07363
OR3A1	-0.47463	0.148032	-2.31281	0.032863	0.077209	-4.07419
TLCD1	0.421063	-0.33524	2.313453	0.031534	0.074938	-4.07458
FAM122A	-0.37418	0.143351	-2.3134	0.031537	0.074938	-4.07467
PYGM	-0.88246	1.126491	-2.31319	0.031551	0.074963	-4.07507
FANCI	-0.62693	0.571342	-2.31285	0.031574	0.074995	-4.0757
MYH1	0.546939	-0.15616	2.312035	0.032235	0.076199	-4.07673
SCG5	-0.67929	0.428648	-2.31212	0.031622	0.07507	-4.07707
USF1	-0.98689	1.028431	-2.31209	0.031623	0.07507	-4.07712
FXC1	-0.64737	0.363283	-2.31186	0.031638	0.075088	-4.07755
C20orf152	-0.50149	0.102413	-2.31069	0.031715	0.075255	-4.07972
ARPC5	-0.62976	0.271214	-2.31067	0.031717	0.075255	-4.07976
HSD3B1	-0.76898	0.276469	-2.31043	0.031733	0.075284	-4.08021
TIAM2	1.201956	-0.68228	2.310292	0.031741	0.075296	-4.08046
TMBIM6	-0.41042	0.143883	-2.31018	0.031749	0.075305	-4.08068
SUV420H1	-0.34809	0.234091	-2.30998	0.031762	0.075326	-4.08104
INHBC	0.444991	-0.52721	2.309467	0.031796	0.075397	-4.082
OR1G1	0.747525	-0.43895	2.30843	0.033156	0.0777	-4.08217
TANK	-0.97874	0.443823	-2.30915	0.031817	0.075438	-4.08259
C14orf81	-0.93179	0.34822	-2.30884	0.031837	0.075477	-4.08316
AGER	-0.46435	0.49862	-2.30855	0.031856	0.075512	-4.08369
TAS2R43	-0.36492	0.070125	-2.30759	0.033212	0.077795	-4.0837
LOC400550	-0.72021	0.245618	-2.30804	0.03189	0.075583	-4.08464
AADAC	-0.47978	-0.03384	-2.30702	0.03325	0.077872	-4.08474
FLJ20712	-0.57661	-0.10814	-2.30789	0.0319	0.075592	-4.08493
HERC2	-0.47069	0.531778	-2.30787	0.031901	0.075592	-4.08496
C9orf139	-0.7432	0.519929	-2.30749	0.031926	0.075633	-4.08567
LOC643833	0.587082	-0.27068	2.30698	0.032571	0.076793	-4.08604
BAI1	0.422091	-0.25491	2.307283	0.03194	0.075648	-4.08605
CCDC96	0.456629	-0.21419	2.307282	0.03194	0.075648	-4.08606
FAM18B1	-0.84422	0.314698	-2.30622	0.033304	0.077951	-4.08619
SRRM2	0.530629	-0.31471	2.307161	0.031948	0.075657	-4.08628
LINC00032	0.444022	-0.09892	2.306425	0.032608	0.076833	-4.08706
SRGAP2P1	-0.64582	0.178482	-2.28678	0.033944	0.079009	-4.08742
TIMM22	-0.34814	0.414419	-2.30644	0.031996	0.075752	-4.08762
RGPD5	-0.76623	0.698254	-2.30628	0.032006	0.075761	-4.08792
IPP	-0.63478	0.340552	-2.30622	0.03201	0.075761	-4.08802
DCX	0.475062	-0.21999	2.306209	0.032011	0.075761	-4.08805
SLC16A13	-0.50807	0.452387	-2.30555	0.032055	0.075847	-4.08927

COL6A2	0.952241	-0.05378	2.305501	0.032058	0.075847	-4.08936
HSD17B10	0.421199	-0.18232	2.305488	0.032059	0.075847	-4.08939
CASC5	0.556011	-0.09853	2.30467	0.032113	0.075966	-4.09091
ADAMTS1C	0.862546	-0.19012	2.303798	0.032171	0.076094	-4.09253
CCRL2	-0.82587	0.493302	-2.30363	0.032183	0.076112	-4.09284
MCHR1	-0.75768	-0.12716	-2.3035	0.032191	0.076122	-4.09307
SLC39A4	-0.52268	0.592639	-2.30341	0.032197	0.076127	-4.09324
KBTBD7	-0.73169	0.504008	-2.30304	0.032835	0.077188	-4.09329
CTSO	-0.90876	0.18402	-2.28342	0.034178	0.079413	-4.09357
SMEK1	-0.82819	0.578556	-2.30321	0.032211	0.07615	-4.09362
DPP10	-0.82279	0.298262	-2.30256	0.032254	0.076229	-4.09483
NPHS2	-0.5064	0.224377	-2.30254	0.032255	0.076229	-4.09486
ADCY4	-0.64353	0.703498	-2.30239	0.032265	0.076242	-4.09513
KCNV2	0.442457	-0.3409	2.302133	0.032283	0.076274	-4.09562
SEC61A1	0.234952	-0.12851	2.30178	0.032306	0.076321	-4.09627
GCH1	-1.31447	0.570116	-2.30165	0.032315	0.076322	-4.09651
NPAS2	0.715277	-0.07492	2.3016	0.032318	0.076322	-4.09661
PEX7	-0.34481	-0.04825	-2.30145	0.032328	0.076337	-4.09689
ZNF48	0.642881	-0.17498	2.30085	0.032368	0.076422	-4.098
KIAA1731	-0.59299	0.245136	-2.30079	0.032373	0.076423	-4.09811
FMR1	-0.63153	0.297441	-2.30064	0.032383	0.076437	-4.09839
ZNF532	-0.32088	0.046696	-2.30048	0.032393	0.076453	-4.09869
BRD7	-0.378	0.225208	-2.29921	0.032479	0.076645	-4.10104
OR4A15	0.494582	-0.41193	2.298981	0.032494	0.076672	-4.10146
EPB41L4B	-0.54635	0.11928	-2.29892	0.032498	0.076672	-4.10157
SQSTM1	0.427705	0.215877	2.298735	0.03251	0.076685	-4.10192
PRDM13	-0.82316	0.168004	-2.29863	0.032517	0.07669	-4.10211
HAS1	0.762611	-0.61817	2.278541	0.036889	0.084301	-4.10258
ARHGEF26	-0.34232	0.152862	-2.29789	0.032567	0.076793	-4.10348
ARHGAP20	0.582278	-0.18783	2.297809	0.032573	0.076793	-4.10364
ZNF439	-0.92451	0.586676	-2.29752	0.032592	0.076827	-4.10418
CHMP4C	0.609906	-0.19101	2.29748	0.032595	0.076827	-4.10425
CDH8	0.30365	-0.12144	2.297405	0.0326	0.07683	-4.10439
EGFL8	0.712551	-0.24511	2.297269	0.032609	0.076833	-4.10464
LRRC37A3	-1.34911	1.301535	-2.29688	0.032635	0.076877	-4.10536
PMS2P1	-0.33248	0.26415	-2.29657	0.032657	0.076917	-4.10594
UCHL1	-1.12786	1.529737	-2.29646	0.032664	0.076917	-4.10613
TNFRSF25	1.12875	-0.36642	2.296422	0.032666	0.076917	-4.10621
SERPINB7	-0.3142	0.19264	-2.29639	0.032668	0.076917	-4.10626
TMEM178	0.788891	-0.60216	2.221765	0.040281	0.090222	-4.10697
SLC18A2	0.761756	-0.502	2.276315	0.035375	0.081628	-4.10706
SPAG5-AS1	-0.49457	0.348529	-2.29521	0.032748	0.077096	-4.10845
PSPN	0.375763	-0.10306	2.295149	0.032752	0.077096	-4.10857
SRRM4	0.472711	-0.46168	2.294995	0.032763	0.077097	-4.10885
CBR3	-0.72669	0.209078	-2.29497	0.032764	0.077097	-4.1089
SHC2	0.256428	-0.07712	2.29479	0.032777	0.077117	-4.10923
TMX1	-0.86749	-0.00952	-2.29473	0.032781	0.077117	-4.10934

LOC729887	-0.62826	0.444659	-2.29452	0.032795	0.07714	-4.10972
KLRF2	0.483562	-0.08406	2.294419	0.032802	0.077148	-4.10992
GNPDA1	-0.46257	0.26418	-2.29436	0.032806	0.077148	-4.11003
EXOSC9	-0.51758	0.490422	-2.29424	0.032814	0.077158	-4.11025
ITIH3	-0.32302	0.021836	-2.29399	0.032831	0.077188	-4.11071
UBL7	0.426792	-0.03584	2.2938	0.032844	0.077196	-4.11106
CLCN2	-0.35324	0.411387	-2.29377	0.032846	0.077196	-4.11111
P2RY1	0.443392	-0.15633	2.273699	0.034862	0.080704	-4.11128
INTS4	-0.58255	0.379668	-2.29365	0.032854	0.077205	-4.11133
PPM1D	-0.47387	0.247128	-2.29355	0.032861	0.077209	-4.11153
SPINK13	0.665299	-0.21097	2.292553	0.033546	0.078363	-4.11255
C11orf31	-0.63528	0.200932	-2.29299	0.032899	0.07727	-4.11257
MTG1	-0.5274	0.594855	-2.29296	0.032901	0.07727	-4.11262
APEX2	-0.26657	0.319848	-2.29274	0.032916	0.077295	-4.11302
TBL1XR1	-0.55919	-0.19461	-2.29251	0.032932	0.077323	-4.11345
NHLH2	0.544335	-0.47255	2.292364	0.032942	0.077337	-4.11372
C1orf182	0.520438	-0.3541	2.292053	0.032963	0.077378	-4.1143
ASS1	-0.57305	0.392701	-2.2917	0.032987	0.077424	-4.11495
LPPR3	0.806699	-0.04137	2.291504	0.033	0.077447	-4.11531
BCAP31	-0.41745	0.207228	-2.29143	0.033005	0.077449	-4.11545
IL1RAP	-1.15511	-0.14565	-2.29091	0.033041	0.077523	-4.11641
ZBTB17	-0.27411	0.240101	-2.29063	0.03306	0.077559	-4.11693
GLYR1	-0.39256	0.321145	-2.29034	0.033079	0.077596	-4.11746
DES	0.631804	-0.36968	2.289813	0.033735	0.078643	-4.11757
PHC3	-0.44246	0.30634	-2.29025	0.033085	0.077601	-4.11763
TMEM59	-0.6159	0.124731	-2.29018	0.033091	0.077603	-4.11777
STMN1	-0.81762	0.589896	-2.29007	0.033098	0.077603	-4.11797
CD97	-0.72214	0.680538	-2.28942	0.033143	0.077688	-4.11917
PRICKLE2	-0.43998	0.063355	-2.28936	0.033147	0.077689	-4.11929
PNPLA3	0.490516	-0.36714	2.265225	0.04006	0.089769	-4.12055
ZNF215	-1.42133	1.199265	-2.28864	0.033196	0.077785	-4.12061
ARID4B	-0.80848	0.123861	-2.28856	0.033201	0.077788	-4.12075
PRICKLE3	-0.4801	0.658834	-2.28844	0.03321	0.077795	-4.12099
CTH	0.501565	-0.3935	2.287891	0.033867	0.078887	-4.12109
LAMB1	1.170292	-0.61959	2.213666	0.040928	0.091254	-4.1211
LOC348840	1.477277	-1.28866	2.196318	0.056118	0.115879	-4.12117
KRTAP9-3	-0.72718	0.154218	-2.28781	0.033253	0.077872	-4.12214
CALML3	0.369646	-0.21936	2.287446	0.033278	0.077916	-4.12282
RPS20	1.006577	-0.81762	2.287423	0.03328	0.077916	-4.12286
ACSL5	-0.65019	0.448236	-2.28729	0.033288	0.077928	-4.1231
DCAF16	-0.46821	0.012005	-2.26711	0.035333	0.081564	-4.12327
ASXL2	-0.66686	0.506656	-2.28699	0.033309	0.077951	-4.12366
HOXA4	0.453126	-0.04035	2.286976	0.03331	0.077951	-4.12369
GCG	-0.53766	0.041789	-2.28545	0.03473	0.080467	-4.12392
ZDHHC7	-0.59169	0.376674	-2.28649	0.033344	0.07801	-4.12458
C4orf46	0.546951	-0.6762	2.283607	0.035641	0.082081	-4.12462
CHRNA10	-0.46234	0.635013	-2.28594	0.033382	0.078081	-4.12561

EFCAB4A	-0.67262	0.723134	-2.28585	0.033388	0.078086	-4.12577
RAB32	-1.14643	0.821407	-2.28532	0.033424	0.078152	-4.12674
ZDHHHC21	-0.71241	0.431071	-2.28512	0.033439	0.078176	-4.12713
FMO9P	0.582519	-0.2823	2.264545	0.037912	0.085974	-4.12721
ASB2	0.861778	-0.41212	2.284672	0.033469	0.078238	-4.12795
UBR1	-0.52091	0.565985	-2.28452	0.033479	0.078253	-4.12822
ZNF614	-0.63104	0.363633	-2.28426	0.033498	0.078287	-4.12872
FNIP2	0.420302	-0.45754	2.283947	0.033519	0.078325	-4.12929
MRGPRE	0.530358	-0.35276	2.2837	0.033536	0.078349	-4.12974
C15orf37	0.344599	-0.38563	2.283036	0.034205	0.079455	-4.12998
ZNF623	-0.75245	0.191401	-2.26308	0.03633	0.083374	-4.13091
GNRHR	-0.74665	0.154823	-2.28303	0.033583	0.078438	-4.13098
BTG1	0.701349	-0.4763	2.282701	0.033606	0.078478	-4.13159
CRIP3	-0.45339	0.335625	-2.28267	0.033608	0.078478	-4.13164
SERPINB4	-0.72573	0.214015	-2.28255	0.033616	0.078488	-4.13186
LOC731789	1.464464	-0.49572	2.168325	0.045691	0.099176	-4.13198
GCHFR	0.517346	-0.4149	2.282288	0.033634	0.078521	-4.13235
THRAP3	0.470551	-0.21889	2.282139	0.033645	0.078536	-4.13263
MRFAP1L1	-0.62759	0.310724	-2.2818	0.033668	0.078573	-4.13325
SLC24A4	-0.82384	0.710983	-2.28168	0.033677	0.078573	-4.13348
GDF1	0.402295	0.053346	2.281658	0.033678	0.078573	-4.13351
SIGLEC12	-1.43602	0.23103	-2.28158	0.033684	0.078573	-4.13366
SETD6	0.549	-0.39448	2.28157	0.033684	0.078573	-4.13368
UROS	-0.57124	0.185295	-2.28138	0.033697	0.078593	-4.13402
MC5R	-0.34824	0.1845	-2.28129	0.033703	0.078593	-4.13419
IRF1	-0.59781	0.469631	-2.28127	0.033705	0.078593	-4.13423
THAP2	-1.05082	0.405461	-2.27798	0.036042	0.082848	-4.1347
KIAA1328	0.93044	-0.23593	2.280405	0.034389	0.07977	-4.13479
SMC3	-0.40865	0.08148	-2.28087	0.033733	0.078643	-4.13497
PDYN	-0.56393	0.159018	-2.27968	0.03444	0.079869	-4.13613
TAF1L	0.316625	-0.24249	2.280184	0.033781	0.078732	-4.13624
SH2D4B	-0.42686	0.213664	-2.27974	0.033811	0.078788	-4.13705
USP40	-1.11192	0.697948	-2.27972	0.033813	0.078788	-4.1371
LINC00308	0.866747	-0.61393	2.182937	0.054336	0.113068	-4.13715
LOC93622	0.753129	-0.52006	2.279527	0.033826	0.07881	-4.13745
EMX1	0.401916	-0.35987	2.27903	0.033861	0.078882	-4.13837
RMI2	-0.65841	0.242139	-2.27869	0.033885	0.078918	-4.13899
USP46	0.323723	-0.52123	2.278265	0.033915	0.078969	-4.13978
ANKMY1	-0.35872	0.259867	-2.27807	0.033928	0.078987	-4.14014
LOC142937	-0.97756	0.68706	-2.27804	0.03393	0.078987	-4.1402
IFNA2	0.497231	-0.53006	2.276289	0.035377	0.081628	-4.1405
LOC100129	-0.53151	-0.0871	-2.25736	0.036749	0.084041	-4.14117
OR7E24	0.520956	-0.38584	2.277315	0.033981	0.079077	-4.14153
MFSD6L	0.860878	-0.56534	2.27731	0.033981	0.079077	-4.14154
CHAD	0.410355	-0.11069	2.27677	0.034019	0.079147	-4.14253
C12orf56	0.418479	-0.38682	2.275993	0.034699	0.080424	-4.14286
NSDHL	-0.53051	0.100192	-2.27574	0.034718	0.080455	-4.14333

A1CF	-0.47103	0.02835	-2.27471	0.03549	0.08183	-4.14336
C15orf26	0.748451	-0.2899	2.276317	0.034051	0.079202	-4.14337
DKFZp547c142	0.398633	-0.16805	2.27605	0.03407	0.079236	-4.14386
LOC100501	0.703296	-0.30109	2.275777	0.034089	0.079271	-4.14437
EP300	-1.02667	1.203651	-2.27542	0.034114	0.07932	-4.14502
KCNK9	0.307967	-0.18927	2.274999	0.034144	0.07937	-4.1458
C13orf33	-0.52928	-0.09959	-2.27489	0.034152	0.079379	-4.14601
SLC1A5	0.762523	-0.19623	2.274709	0.034164	0.079399	-4.14633
KDM6A	-0.57246	0.323856	-2.2746	0.034172	0.079407	-4.14653
LOC100501	0.636523	0.089123	2.254213	0.036272	0.08328	-4.14668
FLJ30403	-0.2958	0.124287	-2.27428	0.034195	0.079441	-4.14713
SMARCA4	-0.52821	0.495063	-2.27381	0.034227	0.079498	-4.14799
CYB5R4	-0.84744	-0.04861	-2.27366	0.034238	0.079514	-4.14827
TMEM208	-0.50904	0.163735	-2.27356	0.034245	0.079522	-4.14846
SLC37A1	-0.70467	0.87487	-2.27342	0.034255	0.079535	-4.14871
WDR24	0.377713	-0.03605	2.272586	0.034314	0.079662	-4.15025
FAM27A	-0.69726	0.367001	-2.27245	0.034324	0.07967	-4.1505
OR10J5	0.58347	-0.41793	2.272419	0.034326	0.07967	-4.15055
FUT5	0.421898	-0.2052	2.272196	0.034341	0.079698	-4.15096
SLC40A1	-1.01066	0.098801	-2.27205	0.034352	0.079712	-4.15123
LOC100501	0.657006	-0.42239	2.271747	0.034373	0.079752	-4.15179
ANXA7	-0.54482	0.256827	-2.27165	0.03438	0.079759	-4.15197
NCF2	-0.71126	0.456465	-2.27127	0.034407	0.079803	-4.15268
DHRS11	0.327348	-0.28518	2.270497	0.034462	0.079911	-4.15409
ZC3HC1	-0.40479	0.184474	-2.26762	0.034667	0.080376	-4.15939
TIMD4	-0.85611	0.427384	-2.24679	0.037537	0.085414	-4.16014
EREG	1.016299	-0.08629	2.267203	0.034696	0.080424	-4.16015
POLR2I	0.552119	-0.37297	2.267185	0.034698	0.080424	-4.16019
NTNG2	-0.77167	0.642523	-2.26685	0.034721	0.080455	-4.1608
CNNM2	-0.80562	0.760052	-2.26647	0.034749	0.0805	-4.16151
MIR600HG	-0.99812	0.310742	-2.26588	0.034791	0.080588	-4.16259
GPR62	0.482519	-0.33334	2.265625	0.034809	0.080621	-4.16306
SCN4B	-0.66504	0.134147	-2.26482	0.035498	0.081839	-4.16324
CYB5D1	0.43079	-0.07721	2.263612	0.036291	0.083314	-4.16339
ZNF211	-0.6387	0.351064	-2.26539	0.034826	0.08065	-4.16349
TBC1D10B	-0.37131	0.370898	-2.2651	0.034847	0.080689	-4.16402
RBM41	-0.64534	0.103791	-2.26494	0.034858	0.080704	-4.16431
RNASEH2C	0.543609	-0.26875	2.264835	0.034866	0.080704	-4.16451
C12orf40	0.36203	-0.03648	2.262975	0.036337	0.083374	-4.16454
ZNF441	-0.69285	0.200199	-2.26242	0.036378	0.083396	-4.16554
SRSF10	-0.59164	0.07648	-2.26415	0.034915	0.080801	-4.16577
CRYAA	-0.49435	-0.00615	-2.26414	0.034916	0.080801	-4.16579
C8orf45	1.348176	-0.42919	2.114994	0.060902	0.123571	-4.16605
TTY11	0.830262	-0.19208	2.263937	0.03493	0.080825	-4.16616
PRR18	0.838135	-0.4808	2.21969	0.041371	0.091937	-4.16649
SLC45A3	0.750862	-0.16564	2.242597	0.037137	0.08472	-4.1677
MOSPD2	-0.79286	0.207327	-2.26275	0.035016	0.081014	-4.16835

KRTAP9-4	-0.44124	-0.09598	-2.2616	0.035732	0.082242	-4.16911
E2F1	-0.62712	0.697526	-2.26232	0.035047	0.081075	-4.16913
PIF1	-0.70871	0.831345	-2.26186	0.03508	0.081143	-4.16998
TSPAN7	0.962949	-0.40078	2.188431	0.045029	0.098102	-4.17008
PAQR9	0.908032	-0.50625	2.216311	0.039896	0.089461	-4.17023
XCL2	0.997503	-0.35508	2.261538	0.035103	0.081186	-4.17057
PTPRE	-0.65602	0.367751	-2.26127	0.035123	0.081222	-4.17107
FRMPD2	-0.43369	-0.14087	-2.25935	0.036603	0.083815	-4.17108
NCF1	-0.45533	0.602077	-2.26114	0.035132	0.081233	-4.17129
KRT37	0.748463	-0.38153	2.216242	0.040721	0.090907	-4.17157
EDDM3B	-0.45779	0.091557	-2.26093	0.035147	0.081253	-4.17169
APC	-0.55136	0.234935	-2.26091	0.035149	0.081253	-4.17173
BRI3BP	-0.43349	0.467239	-2.26083	0.035154	0.081256	-4.17186
TMEM168	-1.01404	0.351567	-2.25873	0.036649	0.0839	-4.1722
SCUBE3	-0.48197	0.002359	-2.26047	0.035181	0.081308	-4.17254
PTGFR	-0.5157	0.141431	-2.26013	0.035205	0.081355	-4.17315
ZNF337	-0.56192	0.6299	-2.26006	0.03521	0.081357	-4.17329
SMG9	-0.52522	0.649479	-2.25993	0.035219	0.081368	-4.17351
FOXP4	-0.45907	0.558005	-2.25982	0.035228	0.081378	-4.17373
DCP2	-0.8284	0.016266	-2.25959	0.035244	0.081406	-4.17414
GALNT10	-0.64612	0.715433	-2.25943	0.035256	0.081424	-4.17444
FAM176B	0.641066	-0.02121	2.259264	0.035268	0.081442	-4.17474
GSTT2	-0.51366	0.338399	-2.25909	0.03528	0.081462	-4.17507
BCL7B	0.334198	-0.04277	2.258428	0.035328	0.081563	-4.17628
RCE1	-0.33846	0.54148	-2.25814	0.03535	0.081588	-4.17681
POMZP3	0.678767	0.027795	2.258103	0.035352	0.081588	-4.17687
PSKH1	-0.522	0.286027	-2.25768	0.035382	0.08163	-4.17764
CACNG3	-0.42139	0.061495	-2.25743	0.035401	0.081663	-4.17811
PCDHB16	0.681404	-0.45233	2.255328	0.0369	0.084306	-4.17831
SNX4	-1.0547	-0.25544	-2.257	0.035432	0.081725	-4.1789
C16orf46	1.224213	-0.80064	2.05491	0.079746	0.152344	-4.17916
RBM45	-0.47034	0.057551	-2.25665	0.035458	0.081775	-4.17955
ADRA2A	1.095107	-0.19455	2.182752	0.045517	0.098887	-4.17967
TIMM23	-0.30472	0.235761	-2.25635	0.035479	0.081815	-4.18008
ABI3BP	1.161069	-0.37892	2.182449	0.045543	0.098922	-4.18018
LOC100130	-0.81209	0.18466	-2.25533	0.03619	0.083131	-4.18051
KLRAP1	-0.50801	0.006372	-2.25367	0.037023	0.084502	-4.1813
SEPN1	0.482792	-0.12632	2.255519	0.03554	0.081918	-4.18161
PSMD9	-0.36595	0.263504	-2.25551	0.035541	0.081918	-4.18163
SLC35G1	0.455906	-0.27685	2.255446	0.035546	0.081919	-4.18175
LCA5	-0.65958	-0.05878	-2.23478	0.03773	0.085674	-4.18182
YPEL2	-0.4571	0.684234	-2.25527	0.035559	0.08194	-4.18208
SMARCA1	-0.39572	-0.00913	-2.25516	0.035566	0.081948	-4.18227
ZNF781	-0.81484	0.198817	-2.23432	0.038486	0.087027	-4.18243
ZSWIM1	-0.39997	0.41555	-2.255	0.035578	0.081965	-4.18257
DDX51	0.580601	-0.1088	2.254932	0.035583	0.081967	-4.18269
CPNE6	0.384648	-0.319	2.254773	0.035595	0.081985	-4.18298

GAR1	0.469039	-0.30734	2.253518	0.035687	0.082167	-4.18528
RRP15	-0.4648	0.124864	-2.25305	0.035721	0.082231	-4.18614
KRT6B	-0.49493	0.126409	-2.25303	0.035723	0.082231	-4.18618
MGMT	0.509458	-0.30203	2.252399	0.035769	0.082318	-4.18734
ANAPC1	0.368318	-0.0705	2.251519	0.035833	0.082457	-4.18895
GAGE7	-1.00036	0.099982	-2.25115	0.035861	0.08251	-4.18963
G3BP2	-0.90641	0.683531	-2.25077	0.035888	0.082562	-4.19031
ARFGAP1	-0.70209	0.70454	-2.25073	0.035892	0.082562	-4.1904
ZNF484	-0.54819	0.109639	-2.25057	0.035903	0.082579	-4.19069
ARFGAP3	-0.42223	0.173028	-2.25005	0.035942	0.082658	-4.19164
KIAA1614	-0.62024	0.235874	-2.24943	0.035988	0.082753	-4.19278
TUBB4A	-0.94276	0.930167	-2.24923	0.036002	0.082777	-4.19314
SREK1	-0.8148	0.203339	-2.24915	0.036008	0.082781	-4.19329
MIR31HG	0.709894	-0.67118	2.202913	0.045031	0.098102	-4.19488
ACTRT2	0.325307	-0.24739	2.248016	0.036092	0.082954	-4.19536
SH3D19	-1.08841	0.425541	-2.24786	0.036103	0.082971	-4.19565
BTAF1	-0.82835	0.279952	-2.20189	0.041058	0.091451	-4.19573
MTERFD3	-0.58432	0.24131	-2.24749	0.036131	0.083024	-4.19633
C10orf76	-0.45559	0.250861	-2.24724	0.036149	0.083057	-4.19678
HTN3	-0.69404	0.113609	-2.24702	0.036166	0.083085	-4.19719
PSCA	0.504971	-0.20429	2.246507	0.036204	0.083153	-4.19812
RASIP1	0.831318	-0.1598	2.245193	0.036942	0.084364	-4.1989
PIGO	-0.32949	0.133983	-2.24581	0.036256	0.08326	-4.19941
FAM81A	0.506753	-0.27194	2.245206	0.036301	0.083326	-4.2005
NISCH	-0.37906	0.388586	-2.24507	0.036311	0.08334	-4.20076
PGAM2	0.41501	0.018797	2.244664	0.036341	0.083374	-4.2015
MLC1	0.808062	0.10448	2.24464	0.036343	0.083374	-4.20154
RABGGTB	-0.39859	0.04748	-2.24452	0.036352	0.083377	-4.20176
ITGAD	0.741108	-0.06541	2.244444	0.036357	0.083377	-4.2019
ZBED3	0.650125	-0.37197	2.244411	0.03636	0.083377	-4.20196
SPTB	0.437911	-0.0905	2.24436	0.036364	0.083377	-4.20205
ADCY10	0.41739	-0.35904	2.199108	0.043054	0.094755	-4.20209
LY96	-1.36659	-0.23038	-2.24434	0.036365	0.083377	-4.20209
WDR87	0.401789	-0.13214	2.244073	0.036385	0.083403	-4.20258
RAD51	-0.776	0.754314	-2.24382	0.036404	0.083437	-4.20305
RPS19	0.806861	-0.60138	2.243698	0.036413	0.083447	-4.20326
ARHGAP9	-0.434	0.405483	-2.2435	0.036428	0.083472	-4.20363
GPR22	0.576367	-0.12866	2.242258	0.037163	0.084769	-4.20422
KCNK4	0.331809	-0.39503	2.24256	0.036498	0.083623	-4.20534
CIAO1	-0.24521	0.113594	-2.24242	0.036509	0.083637	-4.2056
PRO1768	0.657861	-0.10595	2.221389	0.038766	0.087458	-4.20592
TMEM150	-0.39362	0.367369	-2.24217	0.036527	0.083669	-4.20605
COMT	0.421375	-0.14096	2.242085	0.036534	0.083675	-4.20621
ADAMTSL4	-1.11889	1.097398	-2.24184	0.036552	0.083707	-4.20666
PDCD1	0.547254	-0.20009	2.240933	0.03662	0.083843	-4.20832
KCTD19	0.409107	-0.15533	2.239905	0.03734	0.085085	-4.20848
TRIP12	-0.7478	0.46023	-2.24042	0.036658	0.083912	-4.20925

NEDD9	0.599525	-0.14931	2.240238	0.036672	0.083933	-4.20958
ALDOAP2	-0.4722	0.312812	-2.24012	0.036681	0.083945	-4.20981
FABP12	0.54539	-0.40654	2.238774	0.037426	0.085246	-4.21053
ZNF498	-0.52169	0.416529	-2.23967	0.036715	0.084011	-4.21062
LOC392288	-0.48917	0.323293	-2.23961	0.036719	0.084012	-4.21073
EPPK1	-0.81691	0.01074	-2.23952	0.036726	0.084014	-4.2109
UBA6	-0.85614	0.419072	-2.23948	0.036729	0.084014	-4.21096
LIMS1	-0.8358	0.682739	-2.23929	0.036744	0.084038	-4.21132
DUOXA1	-0.54599	0.070897	-2.23889	0.036773	0.084087	-4.21204
ACAD10	-0.67294	0.731691	-2.23861	0.036795	0.084126	-4.21256
C4B	1.231455	-0.32939	2.238208	0.036825	0.084185	-4.21329
ACOX1	-0.89641	0.689813	-2.23814	0.03683	0.084187	-4.21342
IL1RAPL2	-0.39226	0.151322	-2.23753	0.036876	0.084282	-4.21453
LOC221814	-0.502	0.025315	-2.23643	0.037604	0.085497	-4.21477
C11orf83	0.4207	-0.21646	2.23723	0.036899	0.084306	-4.21508
HLA-DPB2	0.658043	-0.16478	2.237019	0.036915	0.084331	-4.21546
C14orf55	-0.65092	0.168706	-2.21605	0.039186	0.088199	-4.21552
MAN1B1	-0.25796	0.165713	-2.23696	0.036919	0.084331	-4.21557
AVP	0.738104	-0.19253	2.23673	0.036937	0.084361	-4.21599
PDGFRB	0.992109	-0.12928	2.236279	0.036971	0.08442	-4.21681
LOC100506	-0.44716	0.044461	-2.23523	0.037696	0.085636	-4.21695
DHRS1	-0.44571	0.178838	-2.23603	0.03699	0.084453	-4.21727
CEND1	0.334263	-0.41809	2.235674	0.037017	0.084502	-4.21792
ARHGEF11	-0.89974	0.955316	-2.23558	0.037024	0.084502	-4.2181
PDC	0.570568	-0.20719	2.234118	0.037781	0.085759	-4.21895
TNIK	0.585748	-0.21963	2.234555	0.037102	0.084659	-4.21996
DIXDC1	-0.61848	0.240458	-2.23455	0.037102	0.084659	-4.21996
NPDC1	0.533401	-0.16852	2.23438	0.037115	0.084679	-4.22028
LOC100133	-0.68497	0.201282	-2.2335	0.037182	0.084794	-4.22189
LOC100136	0.733935	-0.02841	2.233492	0.037182	0.084794	-4.2219
KCNK17	0.654766	-0.4158	2.233264	0.0372	0.084824	-4.22231
TRIM15	0.974761	-0.27159	2.211828	0.039521	0.088815	-4.22309
FLJ31485	0.343502	-0.15618	2.232677	0.037244	0.084916	-4.22338
COG3	-0.47297	-0.07828	-2.23225	0.037277	0.08498	-4.22416
FAM46D	-0.50779	-0.0994	-2.23174	0.037316	0.085059	-4.22509
ARRDC3	0.731525	-0.11076	2.231538	0.037331	0.085083	-4.22546
LANCL1	-0.59395	0.388602	-2.23149	0.037335	0.085083	-4.22555
SRSF6	-0.54942	0.273015	-2.23092	0.037379	0.085159	-4.22659
TNFRSF1A	-0.63945	0.564919	-2.23088	0.037381	0.085159	-4.22665
LOC100133	-0.84829	0.252083	-2.22941	0.038142	0.086389	-4.22745
PRR12	0.366529	-0.07009	2.230269	0.037428	0.085246	-4.22777
MLH1	-0.37354	0.114629	-2.23009	0.037442	0.085267	-4.2281
FAHD2A	0.444247	-0.19345	2.229979	0.037451	0.085277	-4.2283
DOK6	-0.89502	0.542136	-2.2299	0.037457	0.085277	-4.22845
AGAP3	0.774691	0.070524	2.229839	0.037461	0.085277	-4.22856
PLIN4	-1.20145	0.962698	-2.22981	0.037464	0.085277	-4.22862
LOC100653	0.537419	-0.12388	2.228492	0.038213	0.08652	-4.22911

PTPRG	0.549356	-0.45079	2.207818	0.040577	0.090706	-4.2296
RDH10	-0.41816	0.419196	-2.22901	0.037525	0.085406	-4.23007
SLAMF7	-0.49687	0.114272	-2.22895	0.037529	0.085406	-4.23017
CD180	-0.82751	1.044599	-2.22869	0.03755	0.085433	-4.23065
HELB	-1.01982	0.707242	-2.22863	0.037554	0.085433	-4.23076
CYP27A1	1.01398	0.186559	2.228434	0.037569	0.085457	-4.23112
HIF1AN	-0.42795	0.327588	-2.2283	0.037579	0.08547	-4.23135
SLC25A41	0.533922	-0.50698	2.228229	0.037585	0.085472	-4.23149
BEGAIN	-1.14316	0.067959	-2.22818	0.037589	0.085472	-4.23158
C2orf74	-0.63794	0.592173	-2.22785	0.037614	0.0855	-4.23218
CCDC102B	0.402638	-0.1224	2.227348	0.037653	0.085561	-4.23309
PSMC3	-0.36082	0.35541	-2.22735	0.037653	0.085561	-4.23309
PCDHB10	-0.73464	0.177871	-2.22733	0.037654	0.085561	-4.23313
FSHB	0.562145	-0.23236	2.224601	0.039241	0.088286	-4.23339
STAC	-1.58435	0.986757	-2.22695	0.037683	0.085617	-4.23381
ACRV1	-0.42178	-0.27895	-2.20452	0.041671	0.092437	-4.23413
FAM160A2	-0.44888	0.03745	-2.22668	0.037704	0.085644	-4.2343
SLC20A1	-0.66256	0.356972	-2.22644	0.037722	0.085674	-4.23474
CXCL9	-1.0144	0.214693	-2.22636	0.037729	0.085674	-4.2349
CCDC30	-1.31156	0.916612	-2.22582	0.03777	0.085745	-4.23587
MPST	0.510224	-0.19453	2.225039	0.037831	0.085863	-4.23729
GALNT6	0.593597	0.201999	2.224843	0.037846	0.085888	-4.23765
SLC1A2	-0.42275	0.030128	-2.22477	0.037851	0.08589	-4.23778
PLD2	0.399637	-0.14202	2.224705	0.037857	0.085892	-4.2379
UTY	-0.9991	0.301831	-2.22452	0.037871	0.085905	-4.23824
TYMP	-0.91263	0.76539	-2.22451	0.037871	0.085905	-4.23825
BAMBI	-0.96168	1.209677	-2.22424	0.037893	0.085944	-4.23875
CCBE1	-0.74863	0.258703	-2.22395	0.037915	0.085974	-4.23927
C1orf55	-1.08334	1.083967	-2.22354	0.037947	0.086028	-4.24003
NUDT11	-0.55583	-0.09346	-2.22353	0.037947	0.086028	-4.24003
PSMD8	-0.32905	0.288193	-2.22341	0.037957	0.086039	-4.24025
GBF1	0.436053	-0.2375	2.223251	0.037969	0.086058	-4.24055
WIPF1	-0.61104	0.804268	-2.22293	0.037994	0.086105	-4.24114
NUP205	0.540202	-0.41465	2.222479	0.038029	0.086174	-4.24195
DOCK2	-0.56713	0.431545	-2.22228	0.038045	0.086189	-4.24232
PCDH18	1.671364	-1.17493	2.024027	0.100433	0.181925	-4.24284
HDAC3	-0.28971	0.09897	-2.2215	0.038105	0.086316	-4.24373
FST	-0.4969	0.089487	-2.2202	0.038859	0.087598	-4.24407
ANKRD58	0.317068	0.076812	2.220933	0.038149	0.086396	-4.24476
FAM125B	-0.66554	0.5171	-2.22067	0.03817	0.086432	-4.24523
FOXC1	-0.72421	0.226032	-2.22001	0.038221	0.086528	-4.24643
OSBPL3	0.531853	-0.12033	2.21977	0.03824	0.086562	-4.24687
APLN	0.318884	-0.23745	2.219643	0.03825	0.086574	-4.24711
H19	0.48426	-0.08979	2.219502	0.038261	0.086589	-4.24736
THOC3	0.44446	-0.20928	2.21841	0.038346	0.086772	-4.24935
PCNA	-0.59368	0.26877	-2.21828	0.038356	0.086785	-4.24957
SNAPC5	-0.82849	0.683511	-2.2178	0.038394	0.086859	-4.25044

TRIM49	-0.36719	-0.11957	-2.21649	0.039151	0.088166	-4.25074
RPL31	-0.46494	0.042053	-2.21755	0.038414	0.086894	-4.2509
MRPL22	-0.8614	-0.0702	-2.2172	0.038441	0.086946	-4.25154
RNASET2	-0.58447	0.492985	-2.21678	0.038474	0.087011	-4.25231
CRCP	-0.64233	0.092804	-2.21613	0.038525	0.087105	-4.25349
TXNRD1	-0.70662	0.174795	-2.21606	0.038531	0.087105	-4.25361
RWDD4	-0.71833	0.173248	-2.21602	0.038534	0.087105	-4.25369
ACP2	-0.64331	0.563887	-2.21593	0.038541	0.087105	-4.25386
MRPS7	-0.50155	0.608447	-2.21591	0.038543	0.087105	-4.25388
BRE	-0.39222	0.302415	-2.21579	0.038552	0.087117	-4.25411
C1orf54	0.462845	-0.31999	2.215643	0.038564	0.087129	-4.25437
HEPACAM1	0.638225	-0.19233	2.215608	0.038566	0.087129	-4.25443
ACAP2	-0.66057	0.376769	-2.21529	0.038592	0.087176	-4.25502
GP1BA	0.429144	-0.21056	2.215046	0.038611	0.087206	-4.25545
C1QTNF9B	0.791627	-0.09063	2.215008	0.038614	0.087206	-4.25552
KIAA1984	0.822736	-0.06457	2.214926	0.03862	0.08721	-4.25567
GGA3	-0.36991	0.802731	-2.21451	0.038653	0.087274	-4.25642
KCNJ15	-0.75328	0.799885	-2.21439	0.038662	0.087285	-4.25664
LOC100501	-1.3239	-0.07961	-2.21131	0.040296	0.090234	-4.25709
CCM2	-0.30547	0.348824	-2.21379	0.03871	0.087375	-4.25773
TNFSF18	0.849457	0.096727	2.213775	0.038711	0.087375	-4.25776
ZNF619	-0.35155	0.061259	-2.21365	0.038721	0.087381	-4.25799
GNAL	-0.69432	-0.02643	-2.21358	0.038726	0.087381	-4.2581
ZNF761	-0.59575	0.08582	-2.21357	0.038727	0.087381	-4.25813
PCDHB5	0.289667	-0.05793	2.212799	0.038788	0.087499	-4.25953
NR2C1	-0.54842	0.353128	-2.21271	0.038795	0.087502	-4.25968
TXNRD2	0.39126	0.130209	2.212647	0.0388	0.087502	-4.25981
TMEM47	-0.26915	0.05383	-2.21261	0.038803	0.087502	-4.25987
LGALS7B	0.341351	-0.34788	2.212113	0.038842	0.087572	-4.26077
LOC158431	-0.83307	0.279946	-2.2121	0.038843	0.087572	-4.26079
BBIP1	-0.66141	0.298342	-2.21152	0.03889	0.087657	-4.26185
DLG4	0.696358	-0.14759	2.211419	0.038897	0.087664	-4.26203
RANBP2	-0.76011	0.878216	-2.21119	0.038915	0.087695	-4.26244
MS4A12	-0.72901	0.211593	-2.2109	0.038938	0.087736	-4.26297
PGM2L1	-0.43276	-0.10302	-2.21061	0.038962	0.08778	-4.26351
HAPLN4	0.414452	-0.00878	2.210221	0.038992	0.087828	-4.2642
APOC1	0.639367	-0.15506	2.20882	0.039762	0.089223	-4.26453
PAFAH1B1	-0.5804	0.466441	-2.20985	0.039022	0.087885	-4.26488
NCBP1	-0.5072	0.245867	-2.20812	0.03916	0.088174	-4.268
GSTM2	-0.72788	0.694047	-2.2078	0.039185	0.088199	-4.26858
SARDH	0.371901	-0.11237	2.207767	0.039188	0.088199	-4.26865
INO80B	-0.30728	0.330118	-2.20776	0.039188	0.088199	-4.26866
SESTD1	-1.08705	0.752891	-2.20732	0.039223	0.088257	-4.26945
SENP8	-0.55624	0.178745	-2.20732	0.039224	0.088257	-4.26945
DACT1	0.421401	-0.18316	2.206603	0.039281	0.088366	-4.27076
NPNT	-0.41132	-0.0244	-2.20631	0.039304	0.088409	-4.27128
IMP4	-0.75652	0.66763	-2.20596	0.039333	0.088463	-4.27193

CEP164	-0.44615	0.443956	-2.20501	0.039409	0.088613	-4.27364
OCEL1	0.585215	-0.1665	2.204722	0.039432	0.088655	-4.27416
PRO0471	0.68567	-0.1055	2.203092	0.040223	0.090124	-4.27481
TEAD3	0.621789	-0.37587	2.204257	0.039469	0.088729	-4.275
GUCY1A3	0.762411	0.078496	2.204073	0.039484	0.088752	-4.27534
CPSF3L	-0.88455	0.958784	-2.20376	0.039509	0.088799	-4.27591
ATP1A2	0.832918	-0.38458	2.202202	0.040296	0.090234	-4.27641
HIPK1	-0.74565	0.752339	-2.20342	0.039536	0.088839	-4.27651
CCT4	0.611895	-0.50453	2.203247	0.03955	0.08886	-4.27683
CLEC3B	0.637105	-0.37171	2.203156	0.039558	0.088865	-4.27699
CETP	-0.75443	1.026283	-2.20311	0.039561	0.088865	-4.27708
HIST1H3E	-0.42715	0.39935	-2.20285	0.039583	0.088902	-4.27756
YIPF7	-0.73312	-0.07077	-2.20148	0.040354	0.090334	-4.2777
WDR18	0.504733	0.021308	2.202629	0.0396	0.088928	-4.27795
RGS2	0.94743	-0.24164	2.202592	0.039603	0.088928	-4.27801
GFOD1	0.50934	-0.10124	2.202368	0.039621	0.088958	-4.27842
LRRIQ3	-0.77629	0.023959	-2.20221	0.039634	0.088977	-4.27871
LOC10029:	0.207563	-0.04613	2.198731	0.041317	0.091868	-4.27944
ACPL2	-0.72087	0.125249	-2.20132	0.039706	0.089128	-4.28031
HIST2H2AC	-0.52088	0.624531	-2.20122	0.039714	0.089136	-4.2805
WNK1	0.598824	-0.01356	2.201139	0.03972	0.08914	-4.28064
GJA3	0.521839	-0.12207	2.200368	0.039783	0.08926	-4.28204
NUP54	-0.54158	-0.05924	-2.20023	0.039794	0.089274	-4.28228
ARPC1A	-0.3331	0.094882	-2.19971	0.039836	0.089359	-4.28322
TSTD1	-0.45059	0.270132	-2.19943	0.039859	0.0894	-4.28373
RPS16	0.862645	-0.59635	2.199276	0.039871	0.089417	-4.28401
SLC12A2	-0.54364	0.201893	-2.19877	0.039912	0.089489	-4.28492
INSIG1	-0.41125	0.08543	-2.19793	0.039981	0.089631	-4.28644
KRT15	0.417113	-0.38687	2.197612	0.040007	0.089679	-4.28701
SGK223	0.897362	-0.10218	2.197416	0.040023	0.089704	-4.28737
RIBC2	0.530222	-0.25135	2.197365	0.040027	0.089704	-4.28746
ENPP5	0.891248	-0.47672	2.078804	0.060009	0.122178	-4.29144
SIAH3	0.931401	-0.5018	2.145665	0.048831	0.10434	-4.29255
KIRREL3-A	0.37644	-0.40865	2.194432	0.040266	0.09021	-4.29276
TM9SF4	-0.23272	0.250214	-2.19434	0.040273	0.090216	-4.29291
LRP11	-0.56672	0.044364	-2.19291	0.041056	0.091451	-4.29305
MSMO1	-0.52823	0.15244	-2.18838	0.043012	0.094683	-4.29327
KIAA0319	0.604061	0.406164	2.192745	0.04107	0.091466	-4.29334
SIGLEC15	0.503026	-0.25793	2.193696	0.040326	0.090293	-4.29408
TMEM51	0.912337	-0.31264	2.193623	0.040332	0.090296	-4.29422
TLR9	-0.46325	0.508433	-2.19254	0.040421	0.090475	-4.29617
KIAA0586	-0.49469	-0.07164	-2.19223	0.040446	0.09052	-4.29672
ENPP7	-0.42116	-0.02877	-2.19193	0.040471	0.090566	-4.29727
RABL3	-0.36948	0.06922	-2.19158	0.0405	0.09062	-4.2979
FAM133A	-0.26522	0.073837	-2.19146	0.04051	0.090631	-4.29811
MOGAT1	0.796861	-0.33094	2.19119	0.040532	0.090671	-4.2986
MAGEA2B	-0.58669	0.092634	-2.19107	0.040542	0.090683	-4.29882

LAS1L	0.473771	-0.07498	2.190958	0.040551	0.090684	-4.29902
ANAPC5	-0.38128	0.314094	-2.19095	0.040552	0.090684	-4.29903
C1orf31	-0.83049	0.533155	-2.18941	0.041346	0.091899	-4.29931
ULBP1	0.726129	-0.26325	2.190715	0.040571	0.090706	-4.29946
CTLA4	-0.85938	0.315838	-2.19067	0.040575	0.090706	-4.29954
CDK6	-0.69886	0.894491	-2.19061	0.04058	0.090706	-4.29966
SLC26A2	-0.58719	-0.02235	-2.16506	0.045979	0.099649	-4.30005
RAB11FIP3	0.56611	0.060166	2.190385	0.040599	0.090726	-4.30005
AP1M1	-0.3747	0.247397	-2.19028	0.040607	0.09073	-4.30024
SYT6	0.40533	-0.13361	2.190255	0.040609	0.09073	-4.30029
STARD3NL	-0.70728	-0.07465	-2.19007	0.040625	0.090754	-4.30062
PCDH20	-0.39473	0.078946	-2.18969	0.040656	0.090813	-4.30131
TMEM53	0.470102	-0.13103	2.189436	0.040677	0.09085	-4.30177
ADAMTS3	-1.25626	0.437545	-2.18925	0.040692	0.090873	-4.3021
FAM164C	-0.27609	0.205182	-2.189	0.040713	0.0909	-4.30255
CD300LG	0.44104	-0.24989	2.188997	0.040713	0.0909	-4.30256
KLHL13	0.821869	-0.1559	2.109059	0.053616	0.111888	-4.30349
TTY21	0.722637	-0.23413	2.185054	0.042455	0.093722	-4.30366
LOC158960	-0.35434	-0.03081	-2.18696	0.04155	0.092223	-4.30368
TDP2	-0.67989	0.704746	-2.18695	0.041551	0.092223	-4.30369
WASF1	-0.37503	0.030638	-2.18818	0.040781	0.09103	-4.30403
DNAJC6	0.197516	-0.03908	2.188089	0.040788	0.091036	-4.30419
METTL22	-0.33994	0.208948	-2.18762	0.040827	0.091112	-4.30503
ERCC6L	-0.92219	0.587027	-2.18754	0.040834	0.091117	-4.30518
OXA1L	-0.31502	0.163124	-2.18739	0.040847	0.091124	-4.30546
VSIG10	-0.28302	0.069367	-2.18738	0.040847	0.091124	-4.30547
ATG2B	-0.50206	0.167306	-2.18733	0.040851	0.091124	-4.30555
NKAIN4	-0.58852	0.339049	-2.18681	0.040894	0.091203	-4.30649
ABCC10	0.432472	-0.45988	2.186797	0.040895	0.091203	-4.30652
SLC10A1	0.284655	-0.20804	2.186619	0.04091	0.091225	-4.30684
KRT27	-0.32641	-0.03738	-2.18457	0.04175	0.09255	-4.30794
ZNF681	-0.65788	0.103219	-2.18556	0.040999	0.091402	-4.30875
ACTA1	-0.63027	0.361831	-2.18523	0.041026	0.091451	-4.30935
TCL6	-0.74269	0.630241	-2.18509	0.041037	0.091451	-4.30959
FOXE1	0.400889	-0.18739	2.185059	0.04104	0.091451	-4.30965
MEX3B	-0.36435	0.072871	-2.18504	0.041041	0.091451	-4.30968
TMEM198	0.39373	-0.04411	2.18496	0.041048	0.091451	-4.30983
DMKN	0.937732	-0.4404	2.011757	0.06752	0.13385	-4.30986
LGALS1	-0.6143	0.04346	-2.18484	0.041058	0.091451	-4.31004
C9orf86	-0.39375	0.447408	-2.18451	0.041086	0.091472	-4.31063
GRIN2A	-0.74502	0.246089	-2.18449	0.041087	0.091472	-4.31067
SLC38A3	0.356181	-0.29811	2.184483	0.041088	0.091472	-4.31069
ZDHHC15	-0.42902	0.085804	-2.18445	0.041091	0.091472	-4.31075
CBLN4	0.695768	-0.17539	2.182947	0.041886	0.092757	-4.31084
CLIP4	0.807529	-0.36443	2.184373	0.041097	0.091475	-4.31088
KLF14	0.889582	-0.72009	2.184127	0.041118	0.091511	-4.31133
RAB8A	-0.83272	0.90505	-2.18394	0.041134	0.091536	-4.31167

SLC39A12	0.407264	-0.27902	2.183557	0.041165	0.091596	-4.31235
LOC100501	-0.64566	0.244133	-2.18345	0.041174	0.091605	-4.31254
LOC100501	-0.63903	0.195355	-2.18337	0.041181	0.091605	-4.31269
STX2	0.590715	-0.26822	2.183341	0.041183	0.091605	-4.31274
GJB6	-0.60803	0.159801	-2.18138	0.042018	0.092979	-4.31364
TMEM200	-0.55276	-0.21742	-2.18277	0.041231	0.091701	-4.31377
MGAT2	-0.43991	0.063373	-2.18194	0.041301	0.091845	-4.31526
LGALS9	-0.55586	0.732851	-2.1817	0.04132	0.091868	-4.31568
PRRT3	0.545802	-0.28469	2.181533	0.041335	0.091889	-4.31599
LOC100501	-0.72295	0.285883	-2.18137	0.041348	0.091899	-4.31628
DCUN1D2	-0.77822	0.326845	-2.18105	0.041375	0.091937	-4.31685
KCMF1	-0.34852	0.078629	-2.181	0.04138	0.091937	-4.31695
KLHL30	0.500515	-0.27515	2.180831	0.041394	0.091948	-4.31725
CYP2R1	-0.48885	0.166321	-2.18082	0.041394	0.091948	-4.31726
C19orf46	0.370146	-0.29442	2.180752	0.0414	0.091951	-4.3174
ZFYVE9	0.459711	-0.57177	2.180469	0.041424	0.091994	-4.3179
LOC100501	0.719658	-0.28877	2.180355	0.041434	0.092005	-4.31811
ZIC3	-0.50275	0.091462	-2.17857	0.042255	0.093396	-4.31864
SEMA3D	0.682471	-0.18968	2.130179	0.049164	0.104823	-4.32004
RFC1	-0.44705	0.416162	-2.17919	0.041532	0.092212	-4.32021
DENND1B	-0.33377	0.099506	-2.179	0.041548	0.092223	-4.32055
C1orf21	-1.0185	0.225743	-2.17846	0.041593	0.092306	-4.32151
EDA	0.385818	-0.11234	2.178127	0.041621	0.092358	-4.32211
PLCB1	0.425191	-0.18282	2.17782	0.041647	0.092405	-4.32267
C21orf90	-0.43291	0.172532	-2.17625	0.042452	0.093722	-4.32277
ADRM1	-0.33523	0.447713	-2.17757	0.041668	0.092437	-4.32312
LRPAP1	-0.76221	0.408661	-2.17715	0.041704	0.09249	-4.32387
KPNA3	-0.62057	0.361778	-2.1769	0.041724	0.092525	-4.32431
ELN	0.328558	-0.27244	2.176681	0.041743	0.09255	-4.32471
IRF8	-0.80108	0.825569	-2.17665	0.041746	0.09255	-4.32477
LCN8	0.490482	-0.34449	2.176363	0.04177	0.092584	-4.32528
KCNQ2	-0.43271	0.113458	-2.17622	0.041782	0.0926	-4.32553
IL23A	1.016676	-0.57956	2.17594	0.041806	0.092634	-4.32604
SLC25A15	0.439837	-0.44902	2.175928	0.041807	0.092634	-4.32606
DLL1	0.739761	-0.08305	2.175783	0.041819	0.092651	-4.32632
SIAH1	-0.54719	0.177693	-2.17549	0.041844	0.092695	-4.32684
PLXNB2	0.703498	-0.17977	2.175256	0.041864	0.092729	-4.32727
RPL7A	0.684623	-0.42738	2.175085	0.041878	0.092751	-4.32758
RELL1	0.503355	-0.53013	2.174803	0.041902	0.092783	-4.32808
CYP2C19	0.721725	-0.22084	2.174628	0.041917	0.092805	-4.3284
WBP11	0.447645	-0.21593	2.174575	0.041922	0.092805	-4.32849
ARMC6	0.316736	-0.16906	2.174	0.041971	0.092902	-4.32952
SORCS3	-0.76626	0.199993	-2.16762	0.044795	0.097698	-4.32952
CASQ1	-0.35816	0.05001	-2.17391	0.041978	0.092909	-4.32968
TNS4	-0.45652	0.04939	-2.17342	0.04202	0.092979	-4.33055
SIAH2	0.88179	-0.23554	2.173297	0.04203	0.092993	-4.33078
ACOT4	0.743127	-0.28765	2.173036	0.042053	0.093031	-4.33125

ZBTB41	-0.63484	0.229709	-2.17127	0.042879	0.094454	-4.33164
STAC3	-0.45379	0.214726	-2.1728	0.042073	0.093066	-4.33168
CLN6	0.366854	-0.1595	2.172716	0.04208	0.093071	-4.33183
SCO2	-0.58312	0.471902	-2.17247	0.042101	0.093107	-4.33228
LOC15221	-0.49413	0.272981	-2.17233	0.042113	0.093122	-4.33251
TMEM202	0.780653	-0.63346	2.051102	0.061198	0.124055	-4.33305
CLDN8	0.606271	-0.44983	2.148795	0.045613	0.099049	-4.33352
LOC10050	0.822101	-0.21313	2.171501	0.042184	0.093268	-4.33401
DGKI	-0.64836	0.262554	-2.1493	0.044804	0.097707	-4.33427
LOC64262	-0.43678	0.087355	-2.17119	0.04221	0.093316	-4.33456
ARL1	-0.72663	0.22492	-2.17076	0.042247	0.093387	-4.33533
LINC00310	-0.61408	0.297321	-2.17058	0.042262	0.093399	-4.33565
EFEMP1	0.697603	-0.24562	2.170312	0.042285	0.09344	-4.33614
HLA-DOA	-0.57734	0.538209	-2.17002	0.04231	0.093485	-4.33666
MUTED	-0.62986	-0.04763	-2.16983	0.042326	0.09351	-4.33699
DDX19A	0.825215	-0.21368	2.169752	0.042333	0.093514	-4.33714
JTB	-0.37603	0.186747	-2.1697	0.042338	0.093514	-4.33724
ACOX2	-0.88584	0.919498	-2.16933	0.042369	0.093573	-4.33789
KLHL7	-0.67414	0.150996	-2.16866	0.042426	0.093689	-4.33909
LOC10013	-0.52311	0.404279	-2.16852	0.042439	0.093706	-4.33935
PLEKHG2	-0.39225	0.424553	-2.16826	0.042461	0.093723	-4.33981
NDNL2	-0.47992	0.368006	-2.16808	0.042477	0.093748	-4.34014
FGF10	0.472582	-0.16706	2.16741	0.042534	0.093864	-4.34134
LOC10065	-0.45703	0.05577	-2.16696	0.042573	0.093938	-4.34214
ABI2	0.370838	0.042228	2.166722	0.042593	0.093973	-4.34257
DDX5	-0.56109	0.039683	-2.16629	0.042631	0.094045	-4.34335
SERTAD1	-0.31625	0.237738	-2.16606	0.04265	0.094078	-4.34375
PDE5A	0.411662	-0.04469	2.165895	0.042665	0.094099	-4.34405
C1GALT1	-0.97865	0.385935	-2.16535	0.042712	0.094193	-4.34503
ZNF526	0.368123	-0.14008	2.165195	0.042725	0.094208	-4.3453
TMEM30B	0.409931	-0.13596	2.165119	0.042732	0.094208	-4.34544
C5orf56	-0.66836	0.730015	-2.1651	0.042734	0.094208	-4.34548
NSL1	-0.93988	0.311953	-2.16447	0.042788	0.094318	-4.3466
FLJ35946	0.437982	-0.22456	2.164136	0.042817	0.09437	-4.3472
ZHX1	-0.54486	-0.11495	-2.16364	0.042859	0.094454	-4.34808
PLD1	-1.07905	0.666282	-2.16354	0.042868	0.094454	-4.34826
IFFO1	-0.33941	0.175655	-2.16351	0.042871	0.094454	-4.34832
ANKRD6	-0.45669	0.20785	-2.16347	0.042874	0.094454	-4.34838
TIMM8A	-0.41298	0.213961	-2.16331	0.042888	0.094463	-4.34867
PRPF38B	-1.12315	1.282819	-2.16306	0.04291	0.094501	-4.34912
NINL	1.099838	-0.70685	2.042043	0.066187	0.131823	-4.34931
HNRNPU	-0.45801	0.655157	-2.16278	0.042935	0.094545	-4.34963
STK25	-0.40098	0.383006	-2.16255	0.042954	0.094577	-4.35003
HCG27	-0.90099	0.807976	-2.16228	0.042978	0.094618	-4.35052
SLC5A6	-0.4659	0.661058	-2.16165	0.043033	0.094719	-4.35165
AP1G1	-0.69609	0.671691	-2.16133	0.04306	0.094755	-4.35222
LRRC9	-0.74084	0.34114	-2.16129	0.043064	0.094755	-4.35229

NOX1	-0.50219	0.093134	-2.16123	0.043069	0.094755	-4.35239
FANK1	1.308064	-0.3958	2.07912	0.055342	0.114638	-4.35251
EYA3	-0.53175	0.297577	-2.16109	0.043082	0.094773	-4.35265
SPDYE5	-0.57013	0.199042	-2.16064	0.043121	0.094845	-4.35346
JUND	0.62366	0.025817	2.160599	0.043124	0.094845	-4.35353
FKSG43	0.379629	-0.38802	2.160466	0.043136	0.09486	-4.35376
FBXL16	1.033145	-0.50647	2.160366	0.043144	0.094868	-4.35394
GTPBP5	-0.47136	0.494777	-2.15986	0.043188	0.094954	-4.35484
C1orf159	-0.40582	0.650916	-2.15967	0.043205	0.094979	-4.35519
GABARAPL	-0.40914	0.069444	-2.15962	0.04321	0.094979	-4.35528
ELOF1	0.404346	-0.20471	2.159565	0.043214	0.094979	-4.35537
F12	0.688473	-0.42655	2.159484	0.043221	0.094983	-4.35552
ABT1	0.499141	-0.59066	2.159432	0.043226	0.094983	-4.35561
TFIP11	-0.4401	0.359672	-2.15926	0.04324	0.094986	-4.35591
LOC100501	-0.52672	0.128386	-2.15924	0.043242	0.094986	-4.35595
SLC12A7	-0.77616	0.673392	-2.15915	0.043251	0.094986	-4.35612
C6orf115	-0.4609	0.01235	-2.15914	0.043251	0.094986	-4.35613
DOM3Z	-0.27156	0.431749	-2.15871	0.043289	0.095051	-4.3569
ZNF90	0.562725	-0.28907	2.158689	0.043291	0.095051	-4.35694
KIAA0226L	-0.70738	0.608798	-2.15863	0.043296	0.095052	-4.35704
IL20	0.445751	-0.40521	2.109288	0.049297	0.105061	-4.35722
ADAM21	-0.45535	0.154315	-2.15843	0.043313	0.095079	-4.35739
MT1L	0.704801	-0.39382	2.157993	0.043352	0.095153	-4.35818
SPANXB2	0.570845	-0.24934	2.107799	0.050321	0.106857	-4.3591
DNAI1	-0.33973	0.092012	-2.15721	0.04342	0.095293	-4.35958
OBFC2B	-0.53866	0.503688	-2.15705	0.043434	0.095313	-4.35986
ESCO1	0.381123	-0.17146	2.156836	0.043453	0.095344	-4.36025
CCDC107	0.430607	-0.04839	2.156549	0.043478	0.095388	-4.36076
TTY23	-0.4852	0.074757	-2.14963	0.046395	0.100305	-4.36078
TNFAIP8L2	-0.32553	0.127479	-2.15619	0.043509	0.095442	-4.3614
ANKRD13A	-0.61664	0.365316	-2.15616	0.043512	0.095442	-4.36146
PIN1	-0.26937	0.14295	-2.15577	0.043547	0.095506	-4.36215
CHAC2	-0.491	0.171344	-2.15545	0.043575	0.095557	-4.36272
NBR2	-0.48462	0.293878	-2.15538	0.043581	0.095561	-4.36285
MRAP	0.396544	-0.40525	2.155297	0.043588	0.095565	-4.363
LOC653160	0.437506	-0.13916	2.15507	0.043608	0.095596	-4.3634
ZNF114	0.348057	-0.05725	2.155028	0.043612	0.095596	-4.36348
ZNF605	1.009008	-0.36788	2.104296	0.051658	0.108965	-4.36381
KIF5B	-0.88713	0.622218	-2.15299	0.044475	0.097102	-4.36405
GTF2H2B	0.669932	-0.71829	2.1547	0.043641	0.095648	-4.36406
PLCG2	-0.48701	0.452446	-2.15432	0.043674	0.0957	-4.36473
SLC35D1	-0.37938	0.48665	-2.15431	0.043676	0.0957	-4.36477
CCDC25	0.457798	-0.17568	2.154268	0.043679	0.0957	-4.36483
C8orf68	-0.37736	0.048858	-2.1513	0.044625	0.097397	-4.36704
TNNC2	0.696155	0.026855	2.153004	0.04379	0.095933	-4.36709
SCLT1	-0.9142	0.950916	-2.15287	0.043802	0.095949	-4.36733
STAM	-0.60495	0.232771	-2.15277	0.043811	0.095958	-4.36751

CCNA2	-0.72553	0.438379	-2.15262	0.043824	0.095975	-4.36777
GIMAP5	0.878907	-0.397	2.152294	0.043853	0.096028	-4.36835
MUC6	0.504386	-0.40632	2.152173	0.043864	0.096041	-4.36857
MXRA5	-0.6447	0.145899	-2.15099	0.043968	0.096259	-4.37067
MUM1L1	-0.44947	0.102438	-2.14915	0.044817	0.097724	-4.37084
ARHGEF38	0.321627	-0.18662	2.150563	0.044007	0.096332	-4.37144
SSU72	-0.29294	0.232002	-2.15028	0.044032	0.096376	-4.37195
FRMPD4	0.573468	-0.43078	2.149441	0.044106	0.096525	-4.37344
EIF3C	0.506565	-0.10222	2.149366	0.044113	0.096525	-4.37357
AFF2	0.574489	-0.37065	2.149346	0.044115	0.096525	-4.37361
LRCH3	-0.53703	0.252077	-2.14903	0.044142	0.096575	-4.37417
MEX3C	0.608036	-0.89382	2.148923	0.044152	0.096575	-4.37436
MAP3K2	-1.50663	0.867496	-2.14885	0.044159	0.096575	-4.3745
ZNF710	-0.69805	0.673876	-2.14885	0.044159	0.096575	-4.3745
FBXO27	0.272951	-0.12328	2.148813	0.044162	0.096575	-4.37456
NLRP8	-0.35971	-0.10978	-2.14864	0.044178	0.096598	-4.37487
SEC62	-0.99554	0.589462	-2.14829	0.044209	0.096656	-4.37549
IFITM1	-0.64611	0.41314	-2.14718	0.044307	0.09686	-4.37746
ZNF714	0.466447	-0.28213	2.147057	0.044319	0.096874	-4.37769
HIST1H1E	-0.58613	0.197093	-2.14694	0.044329	0.096882	-4.3779
SMARCA5	-0.41439	-0.02218	-2.14691	0.044332	0.096882	-4.37796
GAPT	-0.60782	0.365973	-2.14679	0.044343	0.096884	-4.37817
DDRGRK1	-0.33479	0.268963	-2.14679	0.044343	0.096884	-4.37817
SMC4	-0.65151	0.220377	-2.14659	0.044361	0.096912	-4.37852
LEP	1.218725	-1.0174	2.0631	0.054848	0.113845	-4.37856
HOXC13	0.679636	-0.53411	2.062107	0.059998	0.122178	-4.37862
ZNF624	-0.74615	0.212034	-2.14475	0.045213	0.0984	-4.37862
HEMK1	-1.04358	0.990458	-2.14645	0.044373	0.096927	-4.37876
ZNF665	-0.51935	0.149856	-2.14612	0.044403	0.096982	-4.37936
NOC2L	-0.52582	0.599718	-2.14597	0.044416	0.097	-4.37962
PSMA3	-0.6399	0.306792	-2.14562	0.044448	0.097058	-4.38025
STARD3	-0.74097	0.736319	-2.14528	0.044478	0.097102	-4.38085
NBPF10	-0.42238	0.119392	-2.14518	0.044487	0.097111	-4.38103
SYK	-0.44132	0.243985	-2.14361	0.044627	0.097397	-4.38382
C11orf85	0.491888	-0.30173	2.138921	0.04651	0.100509	-4.38472
FAM189A2	-0.51762	-0.21159	-2.14307	0.044676	0.097492	-4.38478
MED29	-0.3794	0.158756	-2.14274	0.044706	0.097543	-4.38537
CFHR3	-0.82509	0.013014	-2.1427	0.044709	0.097543	-4.38544
LOC100507	-0.59544	-0.09916	-2.09285	0.050908	0.107825	-4.38546
IPO8	-0.84638	0.800026	-2.14245	0.044732	0.097581	-4.38588
MX2	-0.74449	0.762464	-2.14226	0.044749	0.097609	-4.38623
E2F7	-0.88645	0.575597	-2.14144	0.044823	0.097726	-4.38768
UPP2	0.347841	-0.14562	2.14116	0.044848	0.09777	-4.38818
KCNS3	0.277431	-0.07186	2.136776	0.046707	0.100834	-4.38847
SNTN	0.305052	-0.11515	2.140417	0.044915	0.097906	-4.3895
MRPS34	0.36383	-0.12885	2.140079	0.044946	0.097961	-4.3901
CDH6	-0.34378	0.104266	-2.13992	0.04496	0.097982	-4.39038

LOC33935	0.316714	0.050463	2.139658	0.044984	0.098023	-4.39085
SLFNL1	-0.3183	0.207459	-2.13861	0.045079	0.098198	-4.39272
RNF208	0.78786	-0.23585	2.138347	0.045103	0.098227	-4.39318
STK38	-0.57353	0.35191	-2.13827	0.04511	0.098227	-4.39331
MYBPC2	0.733836	-0.30659	2.138264	0.04511	0.098227	-4.39333
MED7	0.653547	-0.20824	2.138234	0.045113	0.098227	-4.39338
CSK	-0.41134	0.472657	-2.1374	0.045189	0.098382	-4.39487
BRPF1	-0.42087	0.482326	-2.13734	0.045194	0.098382	-4.39497
TBX5	0.757382	-0.0832	2.137262	0.045202	0.098387	-4.39511
MYLK3	0.736912	-0.16376	2.132478	0.047103	0.10147	-4.39596
NLGN2	0.30142	-0.26427	2.13661	0.045261	0.098494	-4.39626
KIF23	0.522581	-0.2504	2.136174	0.045301	0.098566	-4.39704
KIAA0196	-0.24223	-0.12541	-2.13614	0.045304	0.098566	-4.3971
VEGFA	-0.8931	0.888548	-2.13589	0.045327	0.098605	-4.39755
COL18A1	-0.66013	0.576661	-2.13579	0.045336	0.098612	-4.39772
PYCARD	-0.40058	0.326669	-2.13574	0.04534	0.098612	-4.39781
VPS28	0.397657	-0.09312	2.135647	0.045349	0.098619	-4.39797
RNF151	0.386827	-0.40492	2.135431	0.045368	0.098651	-4.39836
WHSC1	-0.5452	0.611931	-2.13512	0.045397	0.098703	-4.39891
SASS6	0.807892	-0.23353	2.134309	0.045471	0.098844	-4.40035
ZNF259P1	-0.36949	0.021407	-2.13429	0.045472	0.098844	-4.40038
SPRY4	-0.58989	0.125034	-2.13238	0.04634	0.100209	-4.40042
ZKSCAN4	-0.40526	0.192525	-2.13419	0.045482	0.09885	-4.40056
C6orf223	-0.53477	0.344895	-2.13416	0.045485	0.09885	-4.40062
AKIRIN1	-1.47251	0.624014	-2.1339	0.045509	0.098886	-4.40108
SPPL3	-0.769	0.229608	-2.13386	0.045512	0.098886	-4.40114
IL17RD	-0.5337	0.150795	-2.13368	0.045528	0.0989	-4.40146
GCSH	0.579405	-0.56926	2.132989	0.045592	0.099016	-4.40269
TYW1	-0.71932	0.34063	-2.13271	0.045617	0.099049	-4.40318
TBX1	0.615993	-0.06859	2.132427	0.045643	0.099095	-4.40369
MIR100HG	-0.34048	0.068096	-2.13219	0.045665	0.099131	-4.40411
MSR1	-0.747	0.432273	-2.13125	0.045751	0.099289	-4.40577
NGRN	-0.62457	0.721956	-2.13123	0.045753	0.099289	-4.40581
COL17A1	0.584634	0.046012	2.131078	0.045767	0.099309	-4.40608
STIL	0.519209	-0.2012	2.128973	0.046655	0.100745	-4.4064
LRRC71	0.37105	-0.04133	2.130503	0.04582	0.099413	-4.4071
TAS2R10	-0.22668	-0.0424	-2.13039	0.04583	0.099424	-4.40729
ACTR1A	-0.42587	0.313118	-2.13007	0.04586	0.099478	-4.40787
ZNF726	-0.69462	0.244076	-2.12966	0.045897	0.099542	-4.40859
PODXL	0.292012	-0.21349	2.129589	0.045904	0.099542	-4.40872
GPR132	-0.94954	0.874877	-2.12958	0.045905	0.099542	-4.40873
LZTFL1	-0.77784	-0.0188	-2.1293	0.045931	0.099588	-4.40923
SDCBP2	-0.42582	0.286907	-2.1292	0.04594	0.099596	-4.40941
FHOD3	0.453787	-0.12417	2.127195	0.04682	0.101	-4.40953
ME3	0.841548	-0.23395	2.128952	0.045963	0.099635	-4.40985
LRRC61	-0.46734	0.653428	-2.12874	0.045982	0.099649	-4.41022
CACNA1F	0.424295	-0.15707	2.128716	0.045985	0.099649	-4.41026

CDK2AP2	-0.37495	0.520818	-2.12857	0.045998	0.099667	-4.41052
LOC100506	-0.6599	0.999791	-2.12793	0.046057	0.099784	-4.41166
VSTM4	-0.40942	0.113421	-2.12752	0.046095	0.099848	-4.41238
KBTBD12	-0.70779	0.236781	-2.1275	0.046097	0.099848	-4.41241
LOC100125	0.491791	0.005482	2.127417	0.046105	0.099854	-4.41256
HHAT	0.519419	-0.06159	2.076047	0.0535	0.111698	-4.41301
FCN1	-0.60448	0.584453	-2.12703	0.04614	0.099914	-4.41325
UPK2	-0.53217	0.273589	-2.127	0.046143	0.099914	-4.41329
IL11RA	0.628952	-0.30985	2.12695	0.046148	0.099914	-4.41339
UCK1	-0.39267	0.293431	-2.12673	0.046169	0.099938	-4.41379
TRIM52	-0.43466	0.212178	-2.12672	0.046169	0.099938	-4.41379
GAS2L3	0.52324	-0.15947	2.124633	0.047059	0.101406	-4.41402
MRPS22	-0.57117	-0.11531	-2.12622	0.046216	0.100025	-4.41469
SMAD7	0.518306	-0.25441	2.126177	0.04622	0.100025	-4.41476
CCDC101	-0.51799	0.560977	-2.12602	0.046235	0.100046	-4.41504
C6orf174	0.705702	0.110388	2.124019	0.047117	0.10147	-4.4151
LOC100505	0.511405	-0.2393	2.125827	0.046252	0.100074	-4.41538
GOLT1B	-0.41967	0.071672	-2.12566	0.046268	0.100096	-4.41567
UBTF	-0.61193	0.780549	-2.1253	0.046302	0.100158	-4.41632
DGAT2	-0.96707	0.705652	-2.12509	0.046321	0.100189	-4.41669
CHRM5	0.571931	-0.12159	2.124889	0.046339	0.100209	-4.41704
PDCD6IP	-1.2596	1.059926	-2.12456	0.04637	0.100262	-4.41762
WDFY3-AS	-0.87957	0.70091	-2.12357	0.046462	0.10044	-4.41938
C9orf135	0.468366	-0.06372	2.123488	0.04647	0.100445	-4.41952
RIPK4	0.321566	-0.18122	2.123141	0.046502	0.100504	-4.42013
RAD54L	-0.74947	0.812687	-2.12281	0.046533	0.100544	-4.42071
CES3	0.255051	-0.31939	2.122725	0.046541	0.100544	-4.42087
USP7	-0.31743	0.180572	-2.12272	0.046541	0.100544	-4.42087
HMGCR	-0.54124	-0.05866	-2.12254	0.046558	0.100569	-4.42119
FBXO42	-0.30434	0.210635	-2.1223	0.04658	0.100606	-4.42161
GAN	-0.22659	0.02992	-2.12204	0.046605	0.100648	-4.42207
OR5P3	-0.53641	0.185738	-2.12137	0.046667	0.10076	-4.42325
BMP5	-0.4175	0.225805	-2.12078	0.046724	0.100859	-4.42431
PVRIG	0.940342	-0.32783	2.12055	0.046745	0.100894	-4.42471
TMEM139	-0.56269	0.055085	-2.12021	0.046777	0.100952	-4.42532
TPI1P2	-0.26402	0.019752	-2.12003	0.046793	0.100968	-4.42563
ZNF177	-1.15324	0.620526	-2.12002	0.046794	0.100968	-4.42565
TMEM86B	0.625541	0.02777	2.119851	0.04681	0.100991	-4.42595
MCM6	-0.60071	0.505824	-2.11969	0.046826	0.101	-4.42624
PNMA1	0.544973	-0.3063	2.11964	0.04683	0.101	-4.42632
ZNF563	-0.57603	0.223214	-2.11948	0.046845	0.101021	-4.4266
MUC12	-0.32696	0.035322	-2.1192	0.046872	0.101068	-4.4271
CA5BP1	-0.55597	0.677779	-2.1187	0.046918	0.101146	-4.42798
GPR162	0.77265	0.068464	2.118654	0.046923	0.101146	-4.42806
CAPRIN2	-0.63414	0.399644	-2.11865	0.046923	0.101146	-4.42808
SERPINE2	-0.4968	0.299125	-2.11842	0.046945	0.101181	-4.42848
CST1	-0.42634	-0.05865	-2.11554	0.047917	0.10281	-4.42996

TMEM204	1.231261	-0.54764	2.117525	0.047029	0.101351	-4.43005
NR3C2	1.160664	-0.82413	1.9866	0.075435	0.146127	-4.43084
FBXL4	-0.76732	0.302616	-2.11663	0.047113	0.10147	-4.43163
DENND3	-0.50844	0.313725	-2.11651	0.047125	0.10147	-4.43184
EDEM3	-0.76677	0.022799	-2.11651	0.047125	0.10147	-4.43185
HTR1E	-0.29645	-0.01719	-2.11651	0.047125	0.10147	-4.43185
ZIC5	0.419385	-0.35525	2.116502	0.047125	0.10147	-4.43186
KCNH5	0.739713	-0.40266	2.093441	0.050059	0.10641	-4.43197
SEC16B	0.549481	-0.21791	2.116366	0.047138	0.101486	-4.4321
SHROOM3	-0.51553	0.12482	-2.11629	0.047146	0.101491	-4.43224
PVRL3	0.380544	-0.00644	2.115433	0.047227	0.101654	-4.43375
KNTC1	-0.68443	0.423072	-2.11535	0.047235	0.10166	-4.4339
ZFAND6	-0.44609	-0.25993	-2.11524	0.047245	0.101671	-4.43409
AGRP	0.579607	-0.36173	2.114962	0.047271	0.101716	-4.43458
CRTC2	-0.35544	0.350981	-2.11485	0.047282	0.101728	-4.43478
DCHS1	0.719404	0.042109	2.114729	0.047293	0.101733	-4.43499
S1PR3	0.324411	-0.33008	2.11421	0.047342	0.101807	-4.43591
LOC100655	-0.77645	0.676985	-2.11416	0.047347	0.101807	-4.43599
SFPQ	1.12527	-0.20175	2.114154	0.047348	0.101807	-4.436
SPAG4	-0.46813	0.437105	-2.11414	0.047349	0.101807	-4.43604
NOD2	-0.76477	0.617	-2.11384	0.047377	0.101856	-4.43656
GPATCH1	-0.49794	0.473837	-2.11375	0.047386	0.101863	-4.43671
DCLK3	-0.77628	0.286104	-2.11161	0.048292	0.103447	-4.43684
LOC100506	-0.57664	0.440103	-2.11352	0.047408	0.101898	-4.43712
HSD11B2	0.265236	-0.05384	2.110789	0.04837	0.103545	-4.43827
ZNF286A	-0.32941	0.065883	-2.11274	0.047482	0.102048	-4.4385
PSMA4	-0.73482	-0.43062	-2.11262	0.047493	0.102058	-4.43871
OR10J1	-0.28313	0.051634	-2.11257	0.047498	0.102058	-4.43879
HCG23	0.37394	-0.16239	2.11216	0.047537	0.102132	-4.43952
MOV10	-0.77404	0.904412	-2.11191	0.047561	0.102171	-4.43996
BCL6B	0.508089	-0.24526	2.111287	0.04762	0.102288	-4.44106
ACBD7	0.373732	-0.8684	2.111062	0.047642	0.102323	-4.44146
LOC100133	-0.73711	0.24028	-2.11087	0.04766	0.10235	-4.44179
PRH1-PRR4	-0.6952	0.027903	-2.10605	0.049611	0.105626	-4.44187
SYDE2	0.659019	-0.2891	2.084199	0.052667	0.110444	-4.44196
GLT8D1	-0.51134	0.149365	-2.11075	0.047671	0.102364	-4.442
NRG2	-0.70348	0.077313	-2.11065	0.047681	0.102373	-4.44217
NFIL3	-0.82057	0.637704	-2.11035	0.04771	0.102425	-4.44272
SMYD3	0.490779	-0.0782	2.109494	0.047792	0.102588	-4.44422
KHDRBS1	-0.34445	0.220412	-2.1089	0.047848	0.102698	-4.44526
SPRR2C	-0.39122	0.150887	-2.10838	0.047898	0.102795	-4.44618
VPS13D	-0.47908	0.303934	-2.10829	0.047906	0.102801	-4.44633
EPB41L4A	0.538826	-0.24691	2.108125	0.047923	0.10281	-4.44663
SLC45A2	-0.31238	0.012058	-2.10809	0.047926	0.10281	-4.4467
C7orf33	0.863088	-0.18628	2.084209	0.050979	0.107918	-4.44797
C5orf25	-0.56302	0.399144	-2.10727	0.048005	0.102963	-4.44814
KCNJ8	0.378483	-0.17512	2.107195	0.048012	0.102963	-4.44827

FEZ2	-0.43456	0.063286	-2.10718	0.048013	0.102963	-4.44829
LOC100501	0.645562	-0.02342	2.106786	0.048051	0.103033	-4.44899
ITGA10	0.833699	-0.3836	1.975576	0.065863	0.13131	-4.44988
TP53I13	-0.48715	0.754319	-2.10616	0.048112	0.103152	-4.4501
GSDMA	0.394958	-0.27081	2.106062	0.048121	0.10316	-4.45026
AMZ2P1	-0.54068	0.17232	-2.10592	0.048135	0.103168	-4.45052
ENO1-AS1	-0.49582	0.255049	-2.10591	0.048135	0.103168	-4.45053
GAD2	-0.64192	0.227328	-2.10374	0.04905	0.104683	-4.45059
LINC00339	-0.62741	0.078206	-2.1055	0.048175	0.103242	-4.45125
GP2	0.793923	-0.21512	2.019145	0.059659	0.121613	-4.45175
C12orf34	0.339195	-0.14894	2.104942	0.048229	0.103346	-4.45223
SMPX	0.546705	-0.42095	2.102563	0.049164	0.104823	-4.45264
POM121	-0.40691	0.391043	-2.1045	0.048271	0.103425	-4.453
LDHB	0.937138	-0.28252	2.104403	0.048281	0.103435	-4.45318
PLD5	-0.55176	0.194047	-2.10401	0.048318	0.103482	-4.45386
SERF1B	0.591495	-0.44175	2.104009	0.048319	0.103482	-4.45387
SYNE2	0.895548	-1.05589	2.103681	0.04835	0.103537	-4.45445
OSBPL6	-0.39136	0.019813	-2.10363	0.048355	0.103537	-4.45454
RLN1	-0.81923	0.008553	-2.07675	0.053427	0.111605	-4.4546
C4orf37	0.706475	-0.21485	2.103533	0.048365	0.103545	-4.45471
ZNF804B	0.817639	-0.11541	2.103357	0.048382	0.103545	-4.45502
SKIV2L2	-0.51552	0.051435	-2.10335	0.048383	0.103545	-4.45504
POLR1C	-0.4741	0.454539	-2.10332	0.048385	0.103545	-4.45508
C1orf124	-0.25205	0.238471	-2.1031	0.048406	0.103579	-4.45547
KIF21B	-0.35971	0.466127	-2.10253	0.048462	0.103686	-4.45647
PPP2R3A	0.755293	-0.39752	1.971529	0.067571	0.133911	-4.45698
NAAA	0.65875	-0.4354	2.101924	0.048521	0.103801	-4.45754
RHBDD1	-0.46764	0.322359	-2.10168	0.048544	0.10384	-4.45797
IDI2	0.371723	-0.27244	2.101492	0.048562	0.103868	-4.4583
TAPBP	-0.40875	0.360292	-2.1014	0.048572	0.103876	-4.45847
TSSK3	0.272479	-0.19083	2.100879	0.048622	0.103972	-4.45937
CLEC2L	1.389743	-0.00226	2.077442	0.051664	0.108967	-4.45967
ANKRD42	-0.64149	0.317222	-2.10069	0.048641	0.104001	-4.45971
MIIP	-0.49251	0.476142	-2.10052	0.048657	0.104025	-4.46001
TGFBR1	-0.61217	0.289393	-2.09997	0.048711	0.104128	-4.46098
LIPF	-0.33197	0.066395	-2.09982	0.048725	0.104146	-4.46123
ZNF407	-0.73773	0.287788	-2.09931	0.048775	0.104242	-4.46213
C9orf142	0.42252	-0.13021	2.098742	0.04883	0.10434	-4.46313
VIP	-0.31691	0.1171	-2.09823	0.04888	0.104432	-4.46402
LOC727983	-0.46559	-0.07476	-2.09314	0.05088	0.107801	-4.46417
PLXNC1	-1.24539	0.82624	-2.09807	0.048895	0.104451	-4.46431
PARK7	-0.28085	0.245754	-2.09803	0.048899	0.104451	-4.46437
FAM120C	0.467416	0.070071	2.097337	0.048967	0.104585	-4.4656
KIAA0317	-0.47318	0.175065	-2.097	0.049	0.104644	-4.46618
RNF11	0.59181	-0.86259	2.096733	0.049026	0.10468	-4.46665
RNF149	-0.73124	0.395517	-2.09672	0.049027	0.10468	-4.46668
SRPRB	0.561157	-0.29772	2.09664	0.049035	0.104683	-4.46682

MSMB	0.718656	-0.04852	2.096597	0.04904	0.104683	-4.46689
DYNC1LI1	-0.63637	0.195925	-2.09654	0.049045	0.104683	-4.467
JHDM1D	0.326222	-0.50689	2.09624	0.049074	0.104723	-4.46752
CCDC149	0.698277	-0.07759	2.095979	0.0491	0.104766	-4.46798
IMP3	0.449848	-0.21377	2.095903	0.049108	0.104771	-4.46811
LINC00421	0.375681	-0.42041	2.093546	0.050049	0.106407	-4.46834
LRP6	-0.65425	0.26542	-2.09554	0.049143	0.104823	-4.46875
GIPC2	0.514879	-0.15025	2.095522	0.049145	0.104823	-4.46878
ASPH	-0.906	0.496008	-2.09545	0.049152	0.104823	-4.4689
AKIP1	-0.43271	0.515618	-2.0954	0.049157	0.104823	-4.46899
FAM129A	-1.0052	0.707571	-2.09519	0.049177	0.104839	-4.46935
BPESC1	-0.57532	-0.05029	-2.0949	0.049206	0.104888	-4.46986
NETO2	-0.48062	0.116442	-2.0918	0.050221	0.106682	-4.47137
PTP4A3	0.603102	-0.02349	2.093992	0.049295	0.105061	-4.47146
CXorf21	-0.69511	0.542927	-2.09391	0.049303	0.105062	-4.47161
ZBTB8A	-0.37426	0.281732	-2.09351	0.049343	0.105135	-4.47231
TMEM174	-0.45704	-0.00991	-2.09274	0.049419	0.105286	-4.47366
ARHGEF40	-1.02474	0.773094	-2.09265	0.049427	0.105292	-4.47381
GOLGA5	-0.51125	0.395826	-2.09252	0.04944	0.105309	-4.47405
FAM3A	-0.71266	0.83127	-2.09228	0.049464	0.105347	-4.47446
LOC28426	0.315956	-0.43017	2.091502	0.049541	0.105499	-4.47583
C11orf92	-0.45706	0.101434	-2.09104	0.049586	0.105584	-4.47663
ZNF738	-0.53764	0.079038	-2.09068	0.049622	0.105638	-4.47726
LOC10013	-0.43838	0.087675	-2.09061	0.049629	0.105642	-4.47739
SLC2A14	-0.92148	0.420022	-2.09041	0.049649	0.105672	-4.47774
MCM8	-1.31285	1.270055	-2.09024	0.049665	0.105696	-4.47803
ANO7	0.553368	-0.293	2.089975	0.049692	0.105741	-4.4785
GPRC5C	0.393398	-0.28068	2.089366	0.049752	0.105857	-4.47957
SPO11	0.759863	-0.36088	2.031848	0.060441	0.122826	-4.48133
MRGPRX3	-0.60367	-0.08447	-2.086	0.0508	0.107666	-4.48146
VTI1B	0.590639	-0.17585	2.088201	0.049868	0.106081	-4.48161
UROD	0.394136	-0.36148	2.088197	0.049868	0.106081	-4.48161
OXSM	-0.51687	0.076775	-2.088	0.049887	0.106111	-4.48195
SV2C	0.390569	-0.3151	2.087124	0.049975	0.106286	-4.48349
NCAM1	-0.60046	0.22204	-2.0848	0.05092	0.107839	-4.48354
MGP	-0.62056	0.256237	-2.08667	0.05002	0.106361	-4.48428
ZC3H6	0.469772	-0.25786	2.086658	0.050021	0.106361	-4.48431
TNFRSF10	0.54802	-0.08847	2.084246	0.050976	0.107918	-4.4845
MRRF	-0.42573	0.370663	-2.08626	0.050061	0.10641	-4.485
C3orf18	0.645	-0.33792	2.085922	0.050095	0.106471	-4.48559
AWAT1	-0.57109	0.180723	-2.08578	0.050109	0.106489	-4.48584
ME1	0.633589	-0.30571	2.085635	0.050123	0.106509	-4.4861
QDPR	0.713852	-0.25927	2.061637	0.053295	0.111399	-4.4869
LINC00479	-0.56872	-0.00978	-2.08259	0.051142	0.10818	-4.48736
AIFM1	-0.40258	0.366324	-2.08487	0.0502	0.106648	-4.48744
RFC4	-0.57554	0.284831	-2.08432	0.050254	0.106741	-4.48839
C2	-0.99594	0.879972	-2.08414	0.050273	0.10677	-4.48872

PRPF39	-0.65429	0.147819	-2.08361	0.050325	0.106857	-4.48963
GAGE3	0.672162	-0.24723	2.059909	0.053476	0.111682	-4.48987
MICALL2	0.543842	-0.00243	2.083474	0.05034	0.106875	-4.48988
MAP7D3	-0.6617	0.667743	-2.08341	0.050346	0.106878	-4.48999
SSFA2	-0.87403	0.345935	-2.08321	0.050366	0.106899	-4.49033
HIST1H4J	-0.60339	0.187487	-2.0832	0.050367	0.106899	-4.49035
CHM	-0.97726	0.652675	-2.08307	0.05038	0.106915	-4.49058
PDGFD	0.307167	-0.13946	2.080669	0.051336	0.108475	-4.4907
ANKRD34A	-0.67675	1.274354	-2.08289	0.050399	0.106943	-4.4909
YAF2	-0.83436	0.454146	-2.08046	0.051357	0.108495	-4.49105
SPOCK2	0.679955	-0.19291	2.082034	0.050484	0.107113	-4.49239
RFXANK	-0.30063	0.228697	-2.08175	0.050512	0.107161	-4.49288
MGC34034	0.557823	-0.57912	2.041498	0.060709	0.123229	-4.49316
CWC22	-0.88633	0.673567	-2.08132	0.050555	0.107241	-4.49363
NRGN	0.892746	0.142096	2.080833	0.050605	0.107334	-4.49449
SSH2	-0.60109	0.081358	-2.08035	0.050653	0.107425	-4.49532
CDK5RAP1	-0.45284	0.319228	-2.08018	0.050671	0.10745	-4.49563
MAPK10	0.405615	-0.2207	2.074626	0.05275	0.11058	-4.49601
WBSCR16	-0.47011	0.528817	-2.0799	0.050699	0.107499	-4.49612
YSK4	-0.69359	0.142022	-2.07937	0.050752	0.107589	-4.49703
SNAI3	0.471771	0.008991	2.079368	0.050753	0.107589	-4.49705
ZNF721	-0.86946	0.326844	-2.07912	0.050777	0.10763	-4.49748
KRT35	0.382206	-0.36817	2.078191	0.050872	0.107801	-4.4991
LOC100506	0.466162	-0.42591	2.078137	0.050877	0.107801	-4.4992
FRMD3	0.256188	-0.03594	2.07556	0.051856	0.10926	-4.49955
B4GALT5	-1.30831	0.798065	-2.07791	0.0509	0.107825	-4.49959
ABCF3	0.281135	-0.2379	2.077863	0.050905	0.107825	-4.49967
MICALCL	1.377863	-0.12138	2.025325	0.05804	0.118995	-4.5001
CSDA	0.824445	0.085955	2.077281	0.050964	0.107918	-4.50069
GRPEL2	-0.42696	0.155081	-2.07719	0.050973	0.107918	-4.50085
UNC119B	0.326097	-0.08548	2.076678	0.051025	0.108003	-4.50174
ITGB2	-0.47875	0.448193	-2.07643	0.051051	0.108042	-4.50218
TAP1	-0.57169	0.466216	-2.07639	0.051054	0.108042	-4.50225
MPZL1	-0.94095	0.715245	-2.07612	0.051082	0.108085	-4.50272
LCP1	-0.3791	0.219453	-2.07608	0.051086	0.108085	-4.50278
C15orf5	0.551437	-0.2969	2.075607	0.051134	0.108175	-4.50361
RAD9A	-0.39061	0.43278	-2.07535	0.05116	0.108206	-4.50405
HSP90B1	0.522346	-0.00613	2.075194	0.051176	0.108229	-4.50433
LOC100507	-0.49971	0.072269	-2.07273	0.052146	0.109691	-4.50445
PLCG1	0.584309	-0.0003	2.074986	0.051197	0.108252	-4.50469
SREK1IP1	-0.45261	0.176242	-2.07497	0.051198	0.108252	-4.50471
CNTD1	-0.57003	-0.06011	-2.04932	0.055408	0.114727	-4.50491
LOC100288	-0.81496	0.133132	-2.07217	0.052202	0.109772	-4.5054
ARRB2	-0.44879	0.376481	-2.07448	0.051249	0.108345	-4.50558
PRKD1	-0.45222	0.007904	-2.07207	0.052213	0.109772	-4.50558
WDTC1	-0.39771	0.395273	-2.07444	0.051253	0.108345	-4.50565
HDAC7	-0.4313	0.380064	-2.07432	0.051265	0.108359	-4.50585

ITPR2	-0.65478	0.542953	-2.07422	0.051275	0.108369	-4.50603
LOC100506	-0.3104	0.006701	-2.0717	0.052251	0.109817	-4.50621
NOP10	-0.54167	0.46688	-2.07407	0.05129	0.108388	-4.50628
ITGA6	0.650233	-0.71671	2.073543	0.051344	0.108479	-4.50721
TRIM27	-0.49983	0.170585	-2.07315	0.051384	0.10854	-4.50789
SLC30A1	-0.55934	0.117777	-2.07282	0.051418	0.1086	-4.50847
NOX4	-0.53813	0.083385	-2.07266	0.051434	0.108622	-4.50874
FAM161A	-0.59773	0.353689	-2.07023	0.052403	0.110063	-4.50877
LOC389833	-0.86601	0.429668	-2.0701	0.052416	0.110075	-4.50899
EN2	0.301233	-0.45854	2.072512	0.051449	0.108643	-4.509
GPT2	-0.47033	0.558648	-2.0722	0.051482	0.108699	-4.50955
PCDP1	0.415996	0.044865	2.069617	0.052465	0.110148	-4.50982
C22orf39	-0.79813	0.884587	-2.07172	0.05153	0.108789	-4.51038
ZBED1	-0.5386	0.601943	-2.07167	0.051535	0.108789	-4.51047
DHRS7	-0.64397	0.200218	-2.07142	0.051561	0.108832	-4.51091
NKX2-1	-0.4616	0.094515	-2.04748	0.054794	0.113757	-4.51118
SCGB1D2	-0.43881	0.117547	-2.06866	0.052565	0.110326	-4.51148
RP11-165F	0.300142	-0.11881	2.071089	0.051595	0.108884	-4.51148
RHPN1	0.447059	-0.06595	2.071022	0.051602	0.108884	-4.5116
CATSPER1	-0.67954	0.396965	-2.07101	0.051603	0.108884	-4.51163
GALNT9	0.711773	-0.96435	2.070963	0.051608	0.108884	-4.5117
BRF1	0.379912	0.049959	2.070494	0.051656	0.108965	-4.51252
BOD1P	-0.56101	0.422523	-2.07022	0.051684	0.108998	-4.513
SORL1	0.724459	-0.70634	2.070118	0.051695	0.109008	-4.51317
PNPLA2	-0.67095	0.765739	-2.07	0.051706	0.109022	-4.51337
FAAH	0.578492	-0.01575	2.069864	0.051721	0.109039	-4.51361
AHCY	-0.5782	0.481406	-2.06948	0.05176	0.109104	-4.51427
TRAPPC10	-0.80037	0.354414	-2.06946	0.051762	0.109104	-4.51432
RPRD2	-0.34374	0.582889	-2.06904	0.051805	0.109183	-4.51505
ZBTB33	-0.63145	0.180749	-2.06869	0.051841	0.109247	-4.51566
LOC100128	-0.65485	0.237234	-2.06852	0.051858	0.10926	-4.51595
ZG16	0.318006	-0.25518	2.044531	0.055112	0.114259	-4.51623
LAPTM4A	-0.49637	-0.2899	-2.06796	0.051916	0.10937	-4.51692
CER1	-0.39157	0.028429	-2.06759	0.051954	0.109438	-4.51756
ACSF2	0.548077	-0.00479	2.067531	0.051961	0.109438	-4.51767
THAP8	-0.50693	0.674287	-2.06747	0.051967	0.109438	-4.51779
RPF1	-0.57159	0.289232	-2.06743	0.051971	0.109438	-4.51785
CAGE1	0.573667	-0.25675	2.067344	0.05198	0.109445	-4.518
HEG1	0.796932	-0.50463	2.067225	0.051992	0.109459	-4.51821
PTGR2	0.733448	-0.1691	2.067024	0.052013	0.109491	-4.51856
HIST1H1C	-0.75468	0.434487	-2.06686	0.05203	0.109515	-4.51884
SFN	0.366413	-0.08217	2.066706	0.052046	0.109537	-4.51911
LYN	-0.67327	0.487078	-2.06624	0.052094	0.109626	-4.51991
KIRREL	0.426318	-0.32355	2.065911	0.052128	0.109686	-4.52049
NSUN6	-0.5722	0.462151	-2.06585	0.052135	0.109689	-4.5206
DND1	0.30775	-0.40185	2.065727	0.052147	0.109691	-4.52081
HIGD2A	0.463982	-0.14432	2.065616	0.052159	0.109703	-4.521

RAP1B	-0.80964	0.321683	-2.06533	0.052188	0.109754	-4.5215
C14orf91	0.743126	-0.09689	2.065086	0.052213	0.109772	-4.52192
BNC1	0.480101	-0.29212	2.059483	0.054327	0.113068	-4.52193
NTS	0.463618	-0.23746	2.064847	0.052238	0.109812	-4.52234
ISG20	0.559223	-0.16054	2.064715	0.052252	0.109817	-4.52257
MIR7-3HG	0.49371	-0.38212	2.063994	0.052327	0.109962	-4.52382
PDE6H	-0.59623	0.362142	-2.06388	0.052338	0.109975	-4.52402
TMEM86A	0.860369	-0.07803	2.063664	0.052361	0.110001	-4.52439
LIPH	0.760307	-0.13749	2.063655	0.052362	0.110001	-4.52441
EHBP1	-0.52143	0.455991	-2.06338	0.05239	0.110049	-4.52488
PSAT1	-0.77522	0.785049	-2.06084	0.053378	0.111526	-4.52496
UBXN8	-0.60592	0.205406	-2.0631	0.05242	0.110075	-4.52537
SRY	-0.23769	0.043785	-2.03904	0.055707	0.115224	-4.52561
RBAK	-0.73177	0.201325	-2.06286	0.052445	0.110116	-4.5258
PSG9	0.212732	-0.04727	2.0564	0.054653	0.11356	-4.52719
ASTL	0.473829	-0.58375	2.061758	0.052559	0.110326	-4.5277
TDRKH	0.454713	0.147958	2.061679	0.052568	0.110326	-4.52784
FAM124B	0.478365	-0.1009	2.059038	0.053567	0.111826	-4.52806
LOC65307!	-0.72675	0.350629	-2.06142	0.052594	0.11037	-4.52828
RPRM	-0.45067	0.003384	-2.06124	0.052614	0.1104	-4.52861
USP3	-0.68227	0.806519	-2.06105	0.052633	0.110428	-4.52893
GFPT1	0.314043	-0.14734	2.060807	0.052658	0.110444	-4.52936
PGAM5	-0.54865	0.732326	-2.06078	0.052661	0.110444	-4.5294
ZNF187	-0.55406	0.408659	-2.06076	0.052663	0.110444	-4.52944
MSI1	0.465215	-0.15607	2.060709	0.052669	0.110444	-4.52953
ATP1A1	0.47374	-0.35134	2.060541	0.052686	0.110469	-4.52982
STIM1	-0.35865	0.413359	-2.06043	0.052697	0.110481	-4.53
PRMT8	0.455749	-0.39399	2.054423	0.054863	0.113863	-4.53056
STAT1	-0.96957	0.291789	-2.05967	0.052777	0.110624	-4.53133
GDAP1L1	-0.19414	0.01207	-2.05714	0.053767	0.11216	-4.53134
NAPRT1	-0.60706	0.277995	-2.05919	0.052827	0.110716	-4.53215
SYNGAP1	0.50748	-0.0782	2.059143	0.052832	0.110716	-4.53224
AKAP3	-0.40789	0.305136	-2.03314	0.057171	0.117508	-4.53233
IL4I1	0.949927	-0.68548	2.059071	0.05284	0.11072	-4.53237
GABRG3	0.528729	-0.18897	2.056274	0.053859	0.112302	-4.53282
LRRC6	-1.14454	0.806976	-2.05873	0.052875	0.110782	-4.53295
TCEAL3	0.324808	-0.1005	2.058588	0.052891	0.110803	-4.53321
SDC1	0.570143	0.054719	2.058381	0.052912	0.110826	-4.53356
SOLH	-0.78936	0.610407	-2.05837	0.052913	0.110826	-4.53358
OTC	-0.42478	-0.18553	-2.03428	0.056227	0.116056	-4.53373
HIST1H4K	-0.46657	0.148979	-2.05825	0.052926	0.110841	-4.53379
CLVS1	-0.52567	0.034502	-2.05815	0.052936	0.110851	-4.53397
FAM205A	-0.63647	0.201194	-2.05227	0.055092	0.114242	-4.53422
MKL1	-0.56391	0.619973	-2.0578	0.052973	0.110905	-4.53456
C22orf28	-0.41969	0.286502	-2.05776	0.052978	0.110905	-4.53465
SPTSSB	-0.45599	0.045506	-2.05775	0.052979	0.110905	-4.53467
ALG11	-0.71749	0.103699	-2.05761	0.052993	0.110922	-4.5349

CBR1	-0.50303	0.620373	-2.05756	0.052998	0.110922	-4.53499
DDX11	-0.3641	0.394691	-2.05731	0.053024	0.110964	-4.53542
DHRS12	-0.48658	0.725566	-2.05705	0.053052	0.111009	-4.53587
MAGEB18	0.88789	0.136404	2.051041	0.055224	0.114455	-4.53632
LOC100501	-0.6926	0.431494	-2.05664	0.053095	0.111088	-4.53658
ITGA8	-0.7433	0.279111	-2.05653	0.053107	0.111098	-4.53677
HIST1H2AE	0.401188	-0.25964	2.05649	0.053111	0.111098	-4.53684
SELL	-0.5628	0.748774	-2.0537	0.054131	0.112744	-4.53724
TREX1	0.547172	-0.06269	2.056024	0.05316	0.111188	-4.53765
SEPT7P2	-0.42083	0.152918	-2.05597	0.053165	0.111188	-4.53774
SLCO2B1	-0.51647	0.119647	-2.05592	0.053171	0.111189	-4.53784
CNOT1	-0.55699	0.37839	-2.05575	0.053188	0.111213	-4.53812
MIA2	0.513744	-0.48056	2.029579	0.057565	0.118209	-4.53835
DSC1	1.069833	-0.14131	2.052977	0.054208	0.112851	-4.53849
PRAMEL	-0.68158	0.278771	-2.05517	0.05325	0.111133	-4.53914
ENDOD1	0.585117	-0.18084	2.054832	0.053286	0.111392	-4.53972
LAGE3	0.610863	-0.19019	2.054689	0.053301	0.1114	-4.53996
KDM5C	-0.43834	0.545512	-2.05463	0.053307	0.1114	-4.54006
C2orf82	-0.70975	0.285143	-2.02835	0.057702	0.118415	-4.54043
MKLN1	-0.63365	0.324747	-2.05415	0.053358	0.111495	-4.5409
SHBG	0.42929	-0.46839	2.017595	0.062061	0.125377	-4.54128
SPECC1L	-0.46601	0.248703	-2.0536	0.053416	0.111592	-4.54185
ZNF610	-0.658	0.432352	-2.0532	0.053458	0.111658	-4.54255
SLC22A9	-0.67744	0.077543	-2.05297	0.053482	0.111683	-4.54294
TSPAN11	-0.56923	0.128868	-2.04715	0.055642	0.115114	-4.54294
CCDC158	0.365452	-0.17596	2.052914	0.053488	0.111685	-4.54304
UGT1A6	-0.43281	0.22757	-2.05205	0.053579	0.111839	-4.54453
QRICH1	0.557507	-0.07552	2.051936	0.053592	0.111853	-4.54473
DENND2A	0.554899	-0.3358	2.051672	0.05362	0.111888	-4.54519
GPR123	0.429395	-0.21214	2.051495	0.053639	0.111915	-4.5455
TAB2	0.502259	-0.59524	2.051242	0.053665	0.111959	-4.54593
NXPH3	0.265785	-0.14536	2.045338	0.055838	0.115446	-4.54603
NACA	-0.63305	1.080462	-2.05013	0.053784	0.112183	-4.54786
TFCP2	-0.65599	0.512563	-2.04969	0.053831	0.112268	-4.54862
IRF4	-0.36206	0.376058	-2.04952	0.053849	0.112294	-4.54891
ART4	-0.40693	0.124297	-2.04936	0.053866	0.112306	-4.5492
C1orf106	-0.53973	0.536886	-2.04919	0.053884	0.112332	-4.54949
KEL	0.892666	0.452036	2.048442	0.053964	0.112485	-4.55078
ATP1B1	0.464415	-0.83311	2.048271	0.053982	0.112511	-4.55107
LAMC1	-0.54676	0.291637	-2.0481	0.054	0.112537	-4.55136
SP8	1.139193	-0.91008	1.911182	0.075459	0.146137	-4.55191
CAST	-0.62584	0.294176	-2.04738	0.054077	0.112687	-4.55262
SNRNP200	0.347587	-0.1775	2.047091	0.054108	0.112733	-4.55311
SNHG10	0.959633	0.35505	2.047017	0.054116	0.112733	-4.55324
RNF114	-0.45598	0.359673	-2.04701	0.054117	0.112733	-4.55326
CYP2C9	-0.27022	-0.04616	-2.04685	0.054134	0.112744	-4.55353
SPRR1B	0.355947	-0.2719	2.046611	0.054159	0.112785	-4.55394

SUPV3L1	0.736396	-0.01715	2.022357	0.057551	0.118202	-4.55402
LOC59510:	-0.29887	-0.13133	-2.0465	0.054171	0.112796	-4.55413
C5orf54	-0.4828	0.127735	-2.04646	0.054176	0.112796	-4.55421
USH1G	0.375106	-0.44365	2.020852	0.05772	0.118429	-4.55658
FLYWCH2	0.335885	-0.11129	2.045024	0.054329	0.113068	-4.55668
TRPM6	-0.9636	0.729301	-2.04498	0.054334	0.113068	-4.55676
ADAT3	0.43482	0.142498	2.044597	0.054375	0.113137	-4.55742
SPANXD	-0.57852	0.113494	-2.04455	0.05438	0.113137	-4.5575
CYP2D6	-0.39664	0.548875	-2.04449	0.054387	0.11314	-4.55761
OAS1	-1.04037	0.996511	-2.01963	0.057857	0.118682	-4.55864
LBP	0.709851	-0.1924	1.988608	0.063222	0.127158	-4.55896
CD81	0.603019	-0.10783	2.043472	0.054496	0.113354	-4.55936
UCHL5	-0.44622	-0.09884	-2.04327	0.054518	0.113387	-4.55971
UBA2	-0.46024	0.169826	-2.04312	0.054534	0.113398	-4.55997
EIF2B4	-0.35508	0.316698	-2.04312	0.054535	0.113398	-4.55998
STEAP4	-0.97966	0.83869	-2.04289	0.054559	0.113436	-4.56036
KRTAP9-2	-0.67518	0.253422	-2.04004	0.055598	0.115047	-4.56067
RNF128	-0.22794	0.050486	-2.04258	0.054592	0.113492	-4.56091
COL4A3BP	-0.66686	0.267696	-2.04253	0.054597	0.113492	-4.56098
GTF3C1	-0.33085	0.390165	-2.04243	0.054609	0.113503	-4.56117
C22orf23	0.184105	-0.04266	2.042378	0.054614	0.113503	-4.56125
FGA	0.716167	-0.29184	2.039655	0.05564	0.115114	-4.56134
EPHA10	0.237903	-0.20659	2.042144	0.054639	0.113544	-4.56166
PVRL1	0.491433	-0.39418	2.041941	0.054661	0.113565	-4.56201
FAM76B	-0.71499	0.367963	-2.04158	0.0547	0.113634	-4.56263
ADCK3	0.432232	-0.09154	2.041489	0.05471	0.113642	-4.56278
EPHB6	0.523259	-0.13222	2.041419	0.054718	0.113646	-4.56291
CAPRIN1	-0.97659	1.012827	-2.04083	0.054781	0.113757	-4.56392
ZBTB12	0.347357	-0.12028	2.016464	0.058215	0.119329	-4.56402
PDHX	-0.45213	-0.01295	-2.04075	0.05479	0.113757	-4.56406
PRKCI	-0.62203	0.365429	-2.04074	0.054792	0.113757	-4.56409
RARS	-0.38512	0.034014	-2.04029	0.05484	0.11384	-4.56486
GARS	0.219357	-0.0613	2.039976	0.054874	0.113874	-4.5654
MAP3K5	-0.60142	0.271039	-2.03945	0.054931	0.11398	-4.5663
IL9R	0.479354	-0.48215	2.039155	0.054963	0.114034	-4.56681
SUSD3	-0.72595	0.325056	-2.03898	0.054982	0.114062	-4.56711
CTSG	1.906794	-0.78748	2.038692	0.055013	0.114114	-4.56761
MRPS9	-0.50847	0.808786	-2.03846	0.055038	0.114154	-4.56801
C2CD2L	0.30602	-0.07571	2.038331	0.055052	0.114172	-4.56823
NUDT13	0.327469	-0.19155	2.037875	0.055102	0.11425	-4.56902
CDO1	0.527622	-0.47688	2.036987	0.055198	0.114426	-4.57055
RFTN1	0.7493	0.076729	2.036884	0.05521	0.114437	-4.57072
POLN	-0.65906	0.200892	-2.03654	0.055247	0.114491	-4.57132
COX4NB	-0.57004	0.135864	-2.03644	0.055258	0.114502	-4.5715
C1orf135	-0.38892	0.168941	-2.03614	0.05529	0.114557	-4.572
LINC00265	-1.42162	1.1273	-2.03583	0.055325	0.114616	-4.57254
CMTM1	-0.63151	0.228461	-2.03541	0.055371	0.114687	-4.57327

CLN5	-0.51427	-0.10899	-2.03525	0.055388	0.114706	-4.57354
PCDH11Y	0.505746	-0.13178	2.035215	0.055392	0.114706	-4.5736
PTAFR	-0.70008	0.253452	-2.03448	0.055472	0.114848	-4.57486
PRKCSH	-0.50758	0.628059	-2.03407	0.055517	0.114926	-4.57557
RNF170	-0.38496	0.239588	-2.03403	0.055522	0.114926	-4.57565
CCDC127	-0.41682	0.499295	-2.03396	0.055529	0.11493	-4.57577
GPR172A	0.291415	-0.05788	2.033412	0.055589	0.115041	-4.5767
GFPT2	0.869318	-0.76054	2.008624	0.059109	0.120745	-4.57729
OVGP1	0.552696	-0.21448	2.032773	0.055659	0.115138	-4.5778
FLJ13744	-0.47009	0.176131	-2.02954	0.05675	0.116802	-4.57862
NUDT16P1	-0.66292	0.48121	-2.03197	0.055747	0.115296	-4.57919
CXorf22	-0.45792	0.070099	-2.02905	0.056805	0.116879	-4.57947
NT5DC2	-0.81325	1.328746	-2.03176	0.05577	0.115331	-4.57954
TMEM43	-0.42287	0.307525	-2.03153	0.055795	0.11537	-4.57993
PTP4A2	-0.47873	0.389166	-2.03107	0.055846	0.115451	-4.58073
LOC100240	-0.79401	0.376898	-2.03094	0.05586	0.115469	-4.58095
DOC2B	0.326041	-0.1989	2.03085	0.05587	0.115477	-4.58111
CXorf56	-0.52758	0.589193	-2.0308	0.055876	0.115477	-4.5812
LEMD3	-0.63208	-0.00036	-2.02779	0.056944	0.117104	-4.5816
FUT1	0.519394	-0.45114	1.986279	0.067137	0.133322	-4.5821
MRPL20	-0.46994	0.233076	-2.03023	0.055938	0.115593	-4.58217
OTOP3	0.460171	-0.23298	2.027385	0.05699	0.117185	-4.5823
TIMM44	-0.41645	0.554984	-2.02988	0.055977	0.115661	-4.58278
CEBPA	-0.55255	0.570087	-2.02974	0.055993	0.115682	-4.58302
ZNF687	-0.39373	0.433825	-2.0294	0.056031	0.115748	-4.58361
DFNA5	-0.76832	0.538663	-2.02654	0.057084	0.117352	-4.58374
C1orf131	-0.87001	0.672987	-2.02929	0.056042	0.11576	-4.58379
C15orf32	0.767358	-0.29296	2.004519	0.059583	0.1215	-4.58423
CABLES1	0.512725	0.037507	2.028926	0.056083	0.11583	-4.58442
IPO7	-0.76269	0.445819	-2.02866	0.056112	0.115879	-4.58488
KIAA1652	-0.55491	0.313046	-2.02811	0.056173	0.11598	-4.58582
PRDX5	0.4354	-0.3865	2.028052	0.056179	0.115981	-4.58592
SLC38A7	-0.71727	0.65652	-2.02771	0.056217	0.116047	-4.58651
CLPB	0.348116	-0.12479	2.027515	0.056239	0.116067	-4.58684
PITPNM3	0.559838	-0.25963	2.027459	0.056245	0.116067	-4.58694
SMARCE1	-0.83159	0.80768	-2.02716	0.056278	0.116124	-4.58745
PDCD1LG2	-1.41586	0.9111	-2.02684	0.056313	0.116183	-4.58799
EVL	0.878497	-0.23841	2.026741	0.056324	0.116195	-4.58817
TFEB	0.389752	0.041929	2.026401	0.056362	0.11626	-4.58875
PRSS33	1.658282	-0.47874	2.025961	0.056411	0.116349	-4.58951
SMC1B	-0.42291	0.01593	-2.02587	0.056421	0.116356	-4.58967
ATRIP	0.333722	-0.02389	2.025824	0.056426	0.116356	-4.58975
NFATC2IP	-0.43939	0.257116	-2.02572	0.056437	0.116367	-4.58992
MRPL37	0.441021	-0.0806	2.02545	0.056468	0.116409	-4.59039
PDE8A	-0.64934	0.391033	-2.02537	0.056476	0.116409	-4.59052
FILIP1L	-0.56548	0.316117	-2.02533	0.056481	0.116409	-4.59059
TBX6	-0.32768	0.367594	-2.02532	0.056482	0.116409	-4.5906

NCAPG	-1.32506	1.012208	-2.02504	0.056514	0.116463	-4.5911
C8orf66	0.290542	-0.27723	2.024786	0.056542	0.116508	-4.59153
SLC9B2	-0.56179	0.452923	-2.02459	0.056564	0.116542	-4.59187
OR5H1	0.3221	-0.38076	2.024318	0.056594	0.116578	-4.59233
PRKCG	0.312755	-0.04491	2.024272	0.056599	0.116578	-4.59241
DOCK10	0.716738	-0.30314	2.024266	0.056599	0.116578	-4.59242
STK17B	-0.54759	0.161663	-2.02372	0.056661	0.11668	-4.59336
CAPG	-0.41961	0.191732	-2.02372	0.056661	0.11668	-4.59336
ARHGAP39	0.595903	-0.41067	1.996797	0.061315	0.124228	-4.59342
GDI1	-0.38765	0.363534	-2.02363	0.05667	0.116688	-4.59351
ZNF696	0.370433	-0.21524	2.023533	0.056681	0.116697	-4.59368
CCL20	-0.7182	0.543901	-2.0234	0.056696	0.116715	-4.5939
NPCDR1	0.713005	-0.7378	2.023134	0.056726	0.116764	-4.59436
NPY1R	0.261656	-0.05815	2.016729	0.05901	0.120605	-4.59447
OCLM	-0.54261	-0.04885	-2.02273	0.056771	0.116833	-4.59505
MRPS28	-0.77033	-0.06708	-2.02254	0.056792	0.116865	-4.59539
RAD17	-0.79254	0.222844	-2.02232	0.056817	0.116891	-4.59576
REXO1	-0.50492	0.742629	-2.02182	0.056872	0.11699	-4.59661
TMEM205	0.335588	-0.29666	2.02178	0.056877	0.11699	-4.59668
ST3GAL3	0.46979	0.102738	2.021719	0.056884	0.116992	-4.59679
LOC100501	-0.53576	-0.22041	-1.99652	0.060514	0.122935	-4.59772
BBX	0.463637	-0.3397	2.019997	0.057077	0.117352	-4.59974
DYDC2	-0.2648	0.05296	-2.01989	0.057089	0.117352	-4.59993
FBXL7	-0.3046	-0.03716	-2.01873	0.057219	0.117596	-4.60192
CHST14	-0.53972	0.734081	-2.01858	0.057236	0.117617	-4.60217
CHURC1	-0.72075	-0.12047	-2.01827	0.057271	0.117677	-4.6027
SPON2	1.225146	-0.24058	2.018084	0.057292	0.117707	-4.60302
UBE2E1	-1.33564	0.737038	-2.0148	0.058404	0.119636	-4.60372
RPS5	0.78561	-0.59473	2.017653	0.05734	0.117795	-4.60375
FEM1C	-0.67714	0.399883	-2.01477	0.058408	0.119636	-4.60377
TK2	-0.93768	0.871109	-2.01725	0.057385	0.117875	-4.60444
SERPINA4	-0.32157	-0.02669	-2.01352	0.058549	0.119863	-4.60588
MYRIP	-0.39045	-0.17904	-2.01561	0.057571	0.118209	-4.60725
CCR4	0.401491	-0.59677	2.0156	0.057572	0.118209	-4.60727
AMPD1	0.843117	-0.45364	1.960774	0.065687	0.131039	-4.60751
WDR78	-0.62051	0.07657	-2.0154	0.057594	0.118242	-4.60761
TIMP2	-0.48842	0.27398	-2.01521	0.057616	0.118275	-4.60794
PRPS2	-1.09421	0.421206	-2.01478	0.057665	0.118363	-4.60868
SEC24A	-0.84829	0.403851	-2.01468	0.057677	0.118374	-4.60885
IL28RA	-0.67622	0.61798	-2.01428	0.057722	0.118429	-4.60953
EFS	0.412393	-0.15552	2.00733	0.060087	0.122258	-4.61029
C20orf43	-0.93058	0.886894	-2.01331	0.057832	0.118643	-4.61119
POU3F4	0.410356	-0.23691	2.012398	0.057935	0.11883	-4.61274
PLA2G10	-0.36789	0.139763	-2.00941	0.059019	0.120611	-4.61286
PSAP	-0.5852	0.544226	-2.01216	0.057962	0.118872	-4.61314
SYNRG	-0.72636	0.609938	-2.012	0.057981	0.118898	-4.61343
GEM	0.365147	-0.30265	1.984588	0.062767	0.126436	-4.61379

ADAM8	-0.47815	0.562391	-2.01166	0.05802	0.118966	-4.61401
FAM175B	0.434257	-0.12769	2.011178	0.058074	0.119052	-4.61483
FAM74A1	0.848444	-0.45578	1.983115	0.062944	0.126715	-4.61625
DSCAM	0.334277	-0.38993	2.006957	0.059301	0.121036	-4.61702
TRPV4	0.647885	-0.02272	2.009826	0.058228	0.119344	-4.61714
C12orf73	-0.96322	0.564628	-2.00943	0.058274	0.119425	-4.61782
POLA1	0.486458	-0.2391	2.009142	0.058306	0.119479	-4.61831
CYP4Z1	-0.65986	0.076289	-2.00581	0.059434	0.121256	-4.61896
ITGAV	-0.67273	-0.09301	-2.00861	0.058367	0.11959	-4.61921
CANT1	-0.6141	0.625871	-2.00829	0.058404	0.119636	-4.61976
DAXX	-0.31095	0.379477	-2.00783	0.058457	0.119715	-4.62055
CHTOP	-0.27859	0.033774	-2.00782	0.058458	0.119715	-4.62057
PARP3	0.804716	-0.13909	2.007477	0.058497	0.119782	-4.62115
GPR65	-0.68764	0.417449	-2.00722	0.058526	0.119829	-4.62158
POLE3	0.390028	-0.50082	2.006927	0.05856	0.119874	-4.62209
ZNF214	-0.34394	0.010328	-2.00333	0.05972	0.121701	-4.62315
MEIS3	0.427492	-0.26431	1.981347	0.062318	0.125765	-4.62322
C6orf70	-0.44449	-0.20284	-2.0057	0.058701	0.120146	-4.62418
GRAMD2	0.450351	-0.03159	2.005662	0.058706	0.120146	-4.62424
IMPA2	-0.82054	0.33151	-2.00535	0.058742	0.120206	-4.62478
FBXL14	-0.29094	0.066409	-2.0053	0.058747	0.120206	-4.62486
ENGASE	0.325162	0.02354	2.005112	0.058769	0.120229	-4.62518
HMGN1	-0.6395	0.374182	-2.0051	0.058771	0.120229	-4.62521
TBX4	-0.5257	-0.22618	-2.00498	0.058784	0.120244	-4.62541
MEGF10	-0.79119	0.246428	-2.00418	0.058876	0.120403	-4.62677
THADA	0.324465	-0.04246	2.004115	0.058884	0.120403	-4.62688
GNA11	-0.53498	0.91176	-2.0041	0.058886	0.120403	-4.62691
LOC40094	0.684468	-0.20147	2.004094	0.058886	0.120403	-4.62692
C8orf38	0.223816	-0.05786	2.000615	0.060036	0.122192	-4.62775
APOBEC3A	-1.69331	0.945964	-2.00044	0.060056	0.122221	-4.62805
ORC3	-0.39026	-0.08787	-2.00327	0.058981	0.120584	-4.62832
SLC3A1	-0.40823	0.112324	-2.00322	0.058987	0.120584	-4.62841
GGCX	-0.3559	0.108055	-2.00306	0.059006	0.120605	-4.62868
TRAF1	0.427505	-0.23967	2.002792	0.059037	0.120635	-4.62914
UBE2N	-0.62252	0.103228	-2.00234	0.059089	0.120729	-4.6299
TMEM92	-0.84435	0.719057	-2.0022	0.059105	0.120745	-4.63014
OPA3	0.423593	0.112061	2.002085	0.059119	0.120752	-4.63034
TRIM26	-0.39766	0.472744	-2.00173	0.05916	0.120824	-4.63096
CROCC	0.318686	-0.06453	2.00163	0.059171	0.120828	-4.63112
PAICS	-0.67139	0.318848	-2.0016	0.059174	0.120828	-4.63116
ZNF728	-0.49416	-0.09066	-1.95534	0.071005	0.13921	-4.63134
PANK4	-0.34647	0.461736	-2.00146	0.059191	0.120843	-4.6314
GOLGA2	-0.43306	0.298805	-2.00143	0.059194	0.120843	-4.63145
RNF40	-0.40797	0.576009	-2.00137	0.059202	0.120845	-4.63156
DUSP9	0.349065	-0.28629	2.000431	0.05931	0.121043	-4.63316
WEE1	0.600689	-0.38722	2.000182	0.059339	0.121089	-4.63358
PRUNE	-0.99241	0.855276	-2.00001	0.059359	0.121117	-4.63387

FLJ32756	-0.39614	0.125638	-1.99321	0.061738	0.124904	-4.63397
IGSF5	0.460143	-0.4743	1.992944	0.06177	0.124942	-4.63442
ANXA5	-0.49215	0.147273	-1.99925	0.059447	0.121271	-4.63516
LOC100506	0.489255	-0.09439	1.998984	0.059479	0.121323	-4.63562
NUDT18	-0.45152	0.227769	-1.9984	0.059546	0.121448	-4.63661
EED	-0.36277	-0.11565	-1.99808	0.059584	0.1215	-4.63717
TMEM229	-0.49923	-0.09946	-1.99789	0.059606	0.121532	-4.63748
TRIM5	-0.71146	0.969429	-1.99769	0.059629	0.121567	-4.63782
SNX9	-0.43667	0.223925	-1.99739	0.059664	0.121613	-4.63833
LIX1L	-0.34737	0.164733	-1.99706	0.059703	0.121678	-4.63889
ROMO1	-0.44224	0.086554	-1.9965	0.059769	0.121788	-4.63985
NUDT4	-0.33852	0.067552	-1.99608	0.059817	0.121874	-4.64056
LUC7L	-0.54563	0.830024	-1.9952	0.059921	0.122073	-4.64206
QRSL1	-0.69613	0.702	-1.99488	0.059958	0.122135	-4.64259
AR	0.606098	-0.21742	1.994677	0.059982	0.122171	-4.64295
SLC35E4	0.371879	-0.63398	1.994472	0.060006	0.122178	-4.6433
DCTN3	-0.21471	-0.09055	-1.99443	0.06001	0.122178	-4.64336
KCNK1	0.772194	-0.16692	1.963613	0.06628	0.131954	-4.6434
SPATA17	0.999545	-0.5717	1.872681	0.091013	0.16849	-4.64353
TMEM116	0.548068	-0.44582	1.994256	0.060031	0.122192	-4.64366
GPR115	-0.38552	0.095135	-1.99424	0.060034	0.122192	-4.6437
TCTEX1D2	0.604487	-0.03225	1.991121	0.061151	0.123985	-4.64378
MYH10	-0.41994	0.083987	-1.99385	0.060079	0.122255	-4.64435
ZIK1	0.537962	-0.31437	1.99323	0.060152	0.122378	-4.6454
FITM2	0.703608	-0.19316	1.993098	0.060168	0.122391	-4.64563
LHX9	-0.42197	0.169241	-1.99307	0.060171	0.122391	-4.64568
LOC100288	0.395547	-0.30917	1.96775	0.063975	0.128224	-4.64596
SNAPC4	-0.24951	0.328629	-1.9929	0.060191	0.122419	-4.64597
LOC100133	-0.75176	0.200131	-1.98931	0.061365	0.124291	-4.64682
ANAPC10	-0.53456	-0.03402	-1.98918	0.061382	0.124311	-4.64706
METTL16	0.477969	-0.35073	1.99193	0.060305	0.122631	-4.64761
S1PR5	0.828366	0.448937	1.991905	0.060308	0.122631	-4.64766
FAM83C	0.585865	-0.60145	1.936168	0.068831	0.135751	-4.64788
C20orf111	-0.43316	0.313027	-1.99149	0.060356	0.122717	-4.64835
CDSN	0.334735	-0.23408	1.99129	0.060381	0.122753	-4.6487
STK4	-0.57723	0.526699	-1.99113	0.0604	0.12278	-4.64898
MYH4	0.310651	-0.10147	1.990999	0.060415	0.122793	-4.64919
ZBTB45	0.328726	-0.06486	1.990967	0.060419	0.122793	-4.64925
GBP7	0.82158	-0.37682	1.98742	0.06159	0.124657	-4.65001
ELOVL5	-0.54666	0.383396	-1.99037	0.06049	0.122906	-4.65027
DDX47	0.491806	-0.25342	1.990335	0.060493	0.122906	-4.65032
BAZ2B	-0.7227	0.509675	-1.96237	0.065487	0.130733	-4.65066
ZNF250	-0.56501	0.689776	-1.98968	0.060571	0.123038	-4.65143
NCOA4	0.844164	-0.43479	1.989499	0.060592	0.123069	-4.65174
HERPUD2	-0.41835	0.219794	-1.98915	0.060634	0.123129	-4.65233
RHBDF2	1.850016	0.670226	1.989141	0.060635	0.123129	-4.65235
CYP3A4	-0.37439	0.046823	-1.98192	0.063087	0.126952	-4.65283

GPR137B	-0.65033	-0.05271	-1.98872	0.060685	0.123202	-4.65306
TMEM38A	-0.56464	0.739744	-1.98868	0.060689	0.123202	-4.65312
TINAG	0.496273	-0.27859	1.98868	0.060689	0.123202	-4.65313
JMJD7	0.46497	-0.18767	1.988243	0.060741	0.123282	-4.65387
SAC3D1	0.407336	-0.02655	1.98808	0.06076	0.123308	-4.65415
DNMT3L	-0.9508	0.23789	-1.98713	0.060873	0.123524	-4.65576
ARHGAP28	0.549843	-0.34584	1.983728	0.062032	0.125343	-4.65622
LOC100125	0.418808	-0.40563	1.986808	0.060912	0.123576	-4.6563
SMURF2	-0.66488	0.341971	-1.98638	0.060963	0.123667	-4.65703
SKI	-1.10045	1.142002	-1.98589	0.061021	0.123767	-4.65786
PPARA	0.624154	0.025999	1.985857	0.061025	0.123767	-4.65791
SUGT1P3	0.586647	-0.15298	1.985733	0.061039	0.123785	-4.65812
HIST2H3D	-0.49175	0.590341	-1.98511	0.061114	0.123923	-4.65918
LAD1	-0.56641	0.145354	-1.98158	0.06229	0.125735	-4.65984
USO1	-0.46535	-0.0924	-1.98458	0.061177	0.124024	-4.66007
REG1A	0.404796	-0.14326	1.984183	0.061224	0.124095	-4.66075
MAD2L1BF	-0.36917	0.174227	-1.98405	0.06124	0.124115	-4.66098
VAMP2	-0.37679	0.410462	-1.98377	0.061274	0.124171	-4.66145
KRT82	-0.43413	0.040237	-1.97674	0.063716	0.127863	-4.66147
RNF150	-0.85368	0.081622	-1.98058	0.062411	0.125901	-4.66152
TDRD3	0.549861	-0.00653	1.980384	0.062434	0.125914	-4.66184
COMMD1C	-0.65555	-0.17235	-1.98038	0.062435	0.125914	-4.66185
MTM1	-0.43359	0.024905	-1.98348	0.061309	0.124228	-4.66195
TRIM56	-0.41718	0.434036	-1.98331	0.061329	0.124243	-4.66223
ANK2	0.308616	-0.09277	1.983045	0.061361	0.124291	-4.66268
SPINLW1	-0.29965	0.107953	-1.97979	0.062506	0.126028	-4.66285
INO80	-0.48119	0.513568	-1.98281	0.061389	0.124314	-4.66308
GAS8	-0.66969	0.464444	-1.98221	0.06146	0.124442	-4.66409
TLR1	-0.57384	-0.00241	-1.98217	0.061465	0.124442	-4.66415
TIMP1	-0.6905	0.616404	-1.98211	0.061472	0.124443	-4.66425
TMEM229I	-0.6218	0.312577	-1.9787	0.062638	0.126229	-4.66468
C9orf37	-0.3739	0.256917	-1.98114	0.061589	0.124657	-4.6659
JRK	0.931519	-0.19849	1.981014	0.061604	0.124671	-4.66611
PFDN1	-0.40414	0.182272	-1.98082	0.061627	0.124705	-4.66643
SUMF2	-0.47672	0.594316	-1.98048	0.061668	0.124775	-4.66701
PKN3	0.457674	0.137853	1.979707	0.061761	0.124938	-4.66832
ZFAND3	-0.40997	0.483302	-1.97929	0.061811	0.125013	-4.66902
PPP1R1C	-0.45005	0.184396	-1.9792	0.061823	0.125024	-4.66919
MFHAS1	0.507333	-0.25882	1.978938	0.061854	0.125074	-4.66962
UBE2M	-0.39132	0.429459	-1.97885	0.061865	0.125084	-4.66978
SRSF11	-0.59493	0.153098	-1.97857	0.061898	0.125137	-4.67024
CNRIP1	0.704388	-0.09254	1.952975	0.065819	0.131237	-4.67055
MIR133A1	0.368084	-0.25923	1.977969	0.061971	0.125272	-4.67126
POC1B	-0.4496	-0.053	-1.97786	0.061984	0.125279	-4.67144
DCST1	0.409861	-0.13984	1.977832	0.061987	0.125279	-4.67149
ARGLU1	-0.75515	0.656072	-1.97754	0.062023	0.125337	-4.67199
ADORA2B	-0.70826	0.674186	-1.97728	0.062054	0.125375	-4.67242

PRSS27	-0.6098	0.585563	-1.97685	0.062106	0.125454	-4.67315
EDIL3	1.230073	-1.18406	1.763442	0.105887	0.189475	-4.6732
ZNF346	0.241932	0.219385	1.976584	0.062138	0.125507	-4.6736
CISD2	0.59024	-0.00258	1.976345	0.062167	0.125543	-4.67401
ATAD3A	0.36405	-0.01722	1.976329	0.062169	0.125543	-4.67403
MGC70870	-0.64816	0.335181	-1.97626	0.062177	0.125546	-4.67415
ZNF491	-0.25155	-0.09172	-1.97614	0.062192	0.125553	-4.67435
XPOT	-0.43914	-0.02716	-1.97613	0.062193	0.125553	-4.67437
SART1	-0.39271	0.37157	-1.97513	0.062315	0.125765	-4.67606
DNM1L	-0.73682	0.54189	-1.97503	0.062327	0.125771	-4.67623
ZNF222	-0.3676	0.196104	-1.97496	0.062335	0.125775	-4.67635
LOC100655	0.456162	0.024614	1.974606	0.062378	0.125848	-4.67694
LASP1	-0.33174	0.456869	-1.97412	0.062437	0.125914	-4.67775
LOC100505	-0.42285	0.079295	-1.97046	0.063641	0.127752	-4.67848
TRIM6	0.302773	-0.09639	1.973603	0.0625	0.126028	-4.67864
OGFRL1	0.532463	-0.08924	1.970249	0.063667	0.127791	-4.67884
KIR2DL2	0.697636	0.09899	1.973481	0.062515	0.126033	-4.67884
MED4	-0.31567	-0.04143	-1.97289	0.062587	0.126167	-4.67985
CDX2	-0.58233	-0.21569	-1.97276	0.062603	0.126179	-4.68006
ABCF1	0.434399	-0.11633	1.972728	0.062607	0.126179	-4.68011
KLHL5	-0.7196	0.458626	-1.97191	0.062707	0.126355	-4.68149
MRPS24	0.507084	-0.26182	1.971706	0.062731	0.126391	-4.68183
FAM60A	-0.31595	0.297994	-1.97142	0.062766	0.126436	-4.68232
HAX1	-0.37373	0.257697	-1.97108	0.062808	0.126506	-4.68289
WRN	0.4861	-0.26566	1.970833	0.062838	0.126548	-4.68331
ARHGEF12	0.520524	-0.41041	1.970806	0.062841	0.126548	-4.68335
LGR5	-0.52291	0.195904	-1.97067	0.062858	0.126569	-4.68359
ASTN2	-0.23788	0.110652	-1.97059	0.062868	0.126576	-4.68372
MEF2C	0.546207	-0.232	1.969438	0.063009	0.126833	-4.68566
METTTL13	0.269629	-0.12592	1.969336	0.063021	0.126845	-4.68583
C9orf3	-0.45689	0.669625	-1.96897	0.063066	0.126923	-4.68645
IL36B	-0.30895	0.076171	-1.96558	0.064242	0.128656	-4.68665
H3F3A	-0.61229	0.208136	-1.9683	0.063148	0.127061	-4.68757
RFXAP	-0.55467	0.213136	-1.96502	0.064312	0.12876	-4.68759
LRFN3	0.72387	0.047893	1.968202	0.06316	0.127073	-4.68774
OR51D1	-0.44453	0.145724	-1.96814	0.063168	0.127076	-4.68785
CALB2	0.70082	-0.31509	1.939783	0.068361	0.135014	-4.68787
SOX15	0.415572	-0.48508	1.931922	0.07143	0.139878	-4.68818
DPYSL3	-0.276	0.070664	-1.96785	0.063204	0.127134	-4.68833
LOC100655	0.560461	-0.20405	1.967558	0.06324	0.12718	-4.68883
SYN1	0.327143	-0.28262	1.967265	0.063276	0.12724	-4.68932
CELSR1	-0.60078	0.733494	-1.96704	0.063304	0.127283	-4.68971
PMS2	-0.49352	0.647921	-1.96682	0.063331	0.127324	-4.69007
TTC3	0.554741	-0.07037	1.966282	0.063397	0.127444	-4.69097
SCAMP1	-0.72826	0.412254	-1.96601	0.063431	0.127499	-4.69144
EIF3L	0.531394	-0.23448	1.965899	0.063444	0.127502	-4.69162
CCT8	-0.31582	0.216792	-1.96589	0.063445	0.127502	-4.69164

NUDT16L1	-0.24971	0.193616	-1.96575	0.063462	0.127522	-4.69186
MYF6	-0.65584	0.300044	-1.9624	0.064637	0.129331	-4.69196
JAKMIP2	0.412824	-0.26254	1.965349	0.063512	0.12761	-4.69254
ZNF485	0.547758	-0.18063	1.96519	0.063531	0.127623	-4.69281
PTPN12	-0.63095	0.022193	-1.96519	0.063531	0.127623	-4.69281
FOPNL	-0.246	0.01643	-1.96512	0.06354	0.127628	-4.69293
TTC25	0.878523	0.250983	1.965051	0.063549	0.127628	-4.69305
WDR13	-0.28376	0.153848	-1.96498	0.063557	0.127628	-4.69316
DSC2	-0.79937	0.662395	-1.96496	0.06356	0.127628	-4.6932
LOC150197	-0.44082	0.161409	-1.9573	0.066123	0.131722	-4.69373
TULP4	0.579942	-0.25422	1.905606	0.073894	0.143838	-4.69396
NBEAL1	0.74174	-0.53528	1.964436	0.063624	0.127744	-4.69408
APOA2	0.547432	0.026745	1.964347	0.063636	0.127752	-4.69423
ZDHHC18	-0.61662	0.685433	-1.96377	0.063707	0.127857	-4.6952
HECA	0.563887	-0.62433	1.9635	0.06374	0.127899	-4.69566
SPINT1	0.689399	0.257379	1.963251	0.063771	0.127947	-4.69607
SLC5A7	-0.2389	0.047781	-1.96314	0.063785	0.127962	-4.69626
DMWD	0.27987	-0.09053	1.962988	0.063804	0.127986	-4.69652
MMP25	-0.68255	0.42245	-1.96246	0.063869	0.12809	-4.6974
MRPL13	-0.90548	-0.24435	-1.96241	0.063875	0.12809	-4.69748
EBF2	-0.32077	-0.05635	-1.96241	0.063875	0.12809	-4.69748
ALDH3A2	-0.37458	0.227246	-1.96233	0.063886	0.128098	-4.69763
SLC23A1	-0.56399	0.253945	-1.96207	0.063918	0.128149	-4.69806
RRBP1	-0.64063	0.53709	-1.96196	0.063932	0.128164	-4.69825
INPP5K	0.356316	-0.17142	1.961891	0.06394	0.128167	-4.69836
C3orf58	-0.86964	0.29086	-1.95825	0.065156	0.130205	-4.69889
FNDC9	-0.37207	0.055637	-1.958	0.065187	0.130228	-4.69931
TRAPPC5	0.445643	-0.29497	1.960939	0.064058	0.128378	-4.69996
FLJ40194	0.704204	-0.31931	1.901785	0.074422	0.144507	-4.70009
UBR3	-0.58008	-0.15756	-1.9608	0.064075	0.128399	-4.70019
EZR	0.38834	-0.10705	1.960513	0.064111	0.128459	-4.70068
FAM102A	0.912098	-0.22529	1.960324	0.064135	0.128481	-4.70099
DYDC1	0.495099	-0.04393	1.960315	0.064136	0.128481	-4.70101
IER2	0.358751	-0.02463	1.960011	0.064174	0.128544	-4.70152
CCRN4L	-0.41753	0.486037	-1.9599	0.064188	0.128559	-4.70171
VPS26B	-0.59738	0.520768	-1.95902	0.064297	0.128752	-4.70319
ABP1	-0.96283	0.506692	-1.95888	0.064314	0.12876	-4.70341
SUGT1	-0.23982	0.325556	-1.95868	0.06434	0.128798	-4.70376
RAB40AL	-0.46973	0.031288	-1.95847	0.064366	0.128828	-4.70411
LY6G5C	-0.38277	0.51435	-1.95845	0.064368	0.128828	-4.70414
RNF186	-0.61021	-0.07502	-1.93213	0.068502	0.135197	-4.70505
SIGLEC1	1.404642	-0.0689	1.931798	0.068546	0.135242	-4.7056
PAX2	0.414844	-0.1806	1.953463	0.065758	0.131154	-4.70686
TBXAS1	-0.61623	0.033279	-1.9566	0.0646	0.129279	-4.70725
CDT1	-0.57263	0.708275	-1.95629	0.064639	0.129331	-4.70777
MAFG	-0.39102	0.200052	-1.9562	0.06465	0.12934	-4.70792
KCNH1	-0.55365	0.125597	-1.95571	0.064711	0.12944	-4.70873

TAX1BP3	-0.52472	0.666423	-1.9557	0.064713	0.12944	-4.70876
CTXN3	0.469923	-0.24624	1.948119	0.067288	0.13354	-4.7089
CTAGE10P	-0.88276	0.352049	-1.95551	0.064736	0.129472	-4.70907
FANCF	0.477794	-0.53618	1.955343	0.064758	0.129502	-4.70935
GRIK5	0.359044	-0.30298	1.955128	0.064785	0.129543	-4.70971
SCN10A	-0.2626	-0.24643	-1.94717	0.067409	0.133708	-4.71046
SLC28A2	0.610176	-0.77498	1.951232	0.06604	0.13157	-4.71058
C2orf69	-0.69731	0.248437	-1.95447	0.064867	0.129694	-4.71081
DCUN1D1	-0.47606	-0.03851	-1.95434	0.064883	0.129713	-4.71103
CALHM1	0.393794	-0.23082	1.954214	0.0649	0.129733	-4.71125
GIF	0.831031	-0.81398	1.80529	0.092783	0.171025	-4.7119
FAM71D	0.575285	-0.40348	1.92435	0.070389	0.13828	-4.71313
ADAMTS6	-0.42639	0.085077	-1.95302	0.06505	0.130007	-4.71325
FCER2	-0.84239	1.047631	-1.95302	0.06505	0.130007	-4.71325
CD1B	0.357525	-0.46812	1.850035	0.085734	0.161013	-4.71352
TBC1D17	-0.32121	0.441003	-1.9521	0.065166	0.130212	-4.71479
ARHGAP18	-0.85195	0.620781	-1.95204	0.065174	0.130215	-4.71489
CPNE5	-0.4635	0.517373	-1.95185	0.065198	0.130236	-4.71521
ZNF483	-0.73449	0.229556	-1.94836	0.066405	0.132176	-4.71535
PKIB	0.630948	-0.47223	1.944088	0.067805	0.134208	-4.71554
ZNF148	0.394935	-0.43727	1.951647	0.065223	0.130274	-4.71555
WFIKK2	0.375217	-0.18535	1.95113	0.065289	0.130391	-4.71641
SIDT2	0.575103	-0.32633	1.950686	0.065345	0.13049	-4.71716
KHDRBS2	-0.75617	0.167106	-1.94677	0.066608	0.132552	-4.71799
SCHIP1	0.801706	-0.33311	1.837871	0.091236	0.168792	-4.71839
ABCC5	-1.03807	0.979758	-1.94975	0.065464	0.130714	-4.71873
AGT	0.845913	-0.6707	1.946315	0.066666	0.132629	-4.71875
METTL23	-0.30456	-0.07771	-1.94952	0.065493	0.130733	-4.71911
MRPL35	-0.4099	0.343008	-1.94947	0.065499	0.130733	-4.71919
ZSCAN21	-0.5698	0.5455	-1.94946	0.0655	0.130733	-4.71921
C1orf56	-0.44318	0.480552	-1.94903	0.065554	0.130828	-4.71992
LOC393078	0.35596	-0.38214	1.94884	0.065579	0.130864	-4.72025
LOC158696	-0.47731	0.047748	-1.94877	0.065588	0.130869	-4.72037
GNAT1	0.693156	-0.03872	1.948126	0.06567	0.131018	-4.72144
MRPS12	0.53672	-0.21072	1.947762	0.065716	0.131084	-4.72205
ISX	-0.41892	-0.00483	-1.94737	0.065766	0.131157	-4.72271
MEG3	0.790885	-0.52904	1.947187	0.065789	0.13119	-4.72301
TAPT1	-0.37646	0.00041	-1.94637	0.065893	0.131357	-4.72438
FBXO34	-0.48797	-0.03528	-1.94629	0.065903	0.131364	-4.72451
C2orf40	0.811989	-0.21615	1.942825	0.067114	0.133303	-4.72454
LOC81691	-0.76495	0.468794	-1.94616	0.06592	0.131385	-4.72474
KLHL18	-0.59375	0.435596	-1.94588	0.065956	0.131442	-4.7252
C5orf24	-0.44343	0.532265	-1.94577	0.06597	0.131456	-4.72538
SLC22A2	-0.32925	0.07826	-1.94555	0.065998	0.1315	-4.72575
MRS2	-0.43614	0.129059	-1.94429	0.066159	0.13178	-4.72786
RYK	-0.60191	0.257314	-1.94386	0.066214	0.131863	-4.72858
CERS4	-0.48027	0.50998	-1.94371	0.066233	0.131888	-4.72883

NRP1	-0.37402	0.146164	-1.94342	0.06627	0.131947	-4.7293
ELAVL4	0.570408	-0.39673	1.942661	0.066368	0.132115	-4.73058
LOC286461	-0.3969	0.073113	-1.91612	0.070629	0.138668	-4.73138
RNF216P1	-0.32635	0.459359	-1.94106	0.066574	0.132498	-4.73325
ERMAP	-0.62699	0.519238	-1.94064	0.066628	0.132577	-4.73395
SSX1	-0.46178	0.126623	-1.94059	0.066634	0.132577	-4.73403
CTC1	-0.3588	0.452084	-1.94027	0.066676	0.132634	-4.73457
RECQL4	-0.46306	0.586838	-1.94021	0.066683	0.132635	-4.73467
NXF5	0.449188	-0.272	1.939435	0.066783	0.13282	-4.73596
PSG5	-0.39524	0.030038	-1.93938	0.06679	0.132821	-4.73605
SLC6A19	-0.44641	0.252929	-1.93912	0.066824	0.132874	-4.73649
C1orf173	0.37207	-0.26203	1.93892	0.06685	0.132912	-4.73682
MRPL19	-0.50763	0.395759	-1.93882	0.066863	0.132925	-4.73699
BLID	-0.28347	0.147769	-1.93861	0.066889	0.132964	-4.73733
DYX1C1	-0.64065	-0.10996	-1.93814	0.066951	0.133073	-4.73812
LOC100506	0.445482	-0.31638	1.938042	0.066963	0.133073	-4.73828
C1QC	-0.9593	0.82962	-1.93803	0.066964	0.133073	-4.7383
ZNF674	0.390484	0.011503	1.929939	0.069649	0.137031	-4.73879
POLR2E	-0.34176	0.509354	-1.93773	0.067003	0.133137	-4.7388
SLC27A4	-0.46593	0.837265	-1.93765	0.067014	0.133144	-4.73894
ERGIC2	-0.47536	0.265969	-1.93701	0.067097	0.133296	-4.74001
FAM126B	-1.07314	0.563331	-1.93695	0.067104	0.133297	-4.7401
NCAN	0.347534	-0.37528	1.936695	0.067138	0.133322	-4.74053
MGC4294	0.419597	-0.09967	1.936424	0.067173	0.133379	-4.74098
LOC100127	0.224594	-0.19623	1.936237	0.067197	0.133413	-4.74129
LOC100129	0.69473	-0.04434	1.93598	0.06723	0.133466	-4.74172
VAR52	0.40613	0.080933	1.935791	0.067255	0.133501	-4.74204
KANSL3	-0.45914	0.363532	-1.93554	0.067287	0.13354	-4.74245
FHIT	0.539301	0.040381	1.935463	0.067297	0.133545	-4.74258
KCNIP4	-0.45284	0.184404	-1.93519	0.067333	0.133591	-4.74304
SHANK1	0.562283	-0.72307	1.93518	0.067334	0.133591	-4.74305
C1QA	-1.14042	1.003276	-1.93507	0.067348	0.133605	-4.74323
HEY1	0.920716	-0.19957	1.934572	0.067413	0.133708	-4.74407
GMIP	-0.37562	0.25309	-1.93444	0.06743	0.133727	-4.74428
TOX2	-0.72289	0.569918	-1.93416	0.067467	0.133786	-4.74475
SLC25A19	-0.40044	0.442423	-1.93402	0.067485	0.13381	-4.74499
FERMT2	-0.8232	0.258873	-1.90771	0.071769	0.1404	-4.74515
ZNF275	-0.28871	0.083291	-1.93379	0.067515	0.13385	-4.74537
PPP4R1L	-0.23494	0.046989	-1.93363	0.067536	0.133868	-4.74563
KIAA1217	0.206593	-0.04132	1.933584	0.067542	0.133868	-4.74571
EHD4	0.444295	-0.16913	1.933312	0.067577	0.133911	-4.74616
NTHL1	0.448072	0.01844	1.933174	0.067595	0.133933	-4.74639
SIGLEC8	0.929123	-0.38015	1.933031	0.067614	0.133946	-4.74663
PTPN20B	-0.73393	0.168228	-1.93302	0.067616	0.133946	-4.74665
TADA3	-0.4113	0.329665	-1.93271	0.067656	0.134002	-4.74717
ALDOC	0.34034	-0.16241	1.932697	0.067658	0.134002	-4.74719
KIAA1033	-0.91268	0.40384	-1.93248	0.067686	0.134045	-4.74755

TMEM25	0.778674	-0.20814	1.932398	0.067697	0.134053	-4.74768
SAMD3	0.848033	-0.05959	1.932032	0.067745	0.134134	-4.74829
C20orf202	0.196654	-0.05661	1.92811	0.069031	0.136103	-4.74889
ASTE1	-0.37071	0.185592	-1.93167	0.067792	0.134208	-4.7489
PCBP2	0.399169	-0.21995	1.931546	0.067808	0.134208	-4.7491
POLE	-1.26505	0.838869	-1.93154	0.067809	0.134208	-4.74912
APOPT1	-0.32865	0.104942	-1.93123	0.067849	0.13423	-4.74962
HEBP1	0.600501	-0.31858	1.931181	0.067856	0.13423	-4.74971
HPS4	-0.60396	0.399751	-1.93117	0.067857	0.13423	-4.74973
LOC100130	-0.86431	0.362244	-1.93116	0.067859	0.13423	-4.74975
KLHL25	0.615646	-0.12552	1.931106	0.067866	0.13423	-4.74983
LSM14B	-0.32888	0.383629	-1.93109	0.067868	0.13423	-4.74986
SYNPO2	-0.48294	0.13486	-1.93108	0.067869	0.13423	-4.74987
PAPL	0.243909	-0.17035	1.923133	0.070551	0.138543	-4.74994
ENAM	-0.48546	0.040063	-1.93064	0.067927	0.134315	-4.75061
TONSL	-0.65457	0.832783	-1.93063	0.067928	0.134315	-4.75062
PDAP1	-0.47984	0.338775	-1.9306	0.067932	0.134315	-4.75067
LOC100240	-0.62438	0.380282	-1.93011	0.067996	0.134428	-4.75149
LOC646627	-0.72652	-1.18813	-1.32059	0.325448	0.450024	-4.75153
CUL9	0.302532	-0.11192	1.929188	0.068117	0.134654	-4.75302
MPP1	0.644348	-0.26806	1.928836	0.068164	0.134728	-4.75361
HBBP1	0.654335	-0.16731	1.928796	0.068169	0.134728	-4.75367
MMP13	1.274536	-1.33489	1.595576	0.155453	0.255091	-4.75382
DNPEP	0.473195	-0.11549	1.92848	0.06821	0.134791	-4.7542
COL6A5	-0.41765	0.017247	-1.92845	0.068214	0.134791	-4.75425
ZNF335	-0.39364	0.315105	-1.92829	0.068235	0.134819	-4.75451
NUMB	-0.73474	0.556074	-1.92806	0.068265	0.134865	-4.75489
MYO9B	-0.52174	0.595523	-1.92776	0.068305	0.13493	-4.7554
XAB2	-0.4884	0.573423	-1.92744	0.068347	0.134999	-4.75592
ZCWPW1	-0.3796	0.233999	-1.92728	0.068368	0.135014	-4.75619
ZNF24	-0.74244	0.198666	-1.92698	0.068408	0.135079	-4.7567
ST7-AS1	0.619167	-0.13254	1.863043	0.081076	0.154189	-4.75677
CATX-1	-0.39637	0.110086	-1.92677	0.068436	0.13512	-4.75704
LOC387891	0.808279	-0.48485	1.918682	0.071147	0.139433	-4.75722
ZNF367	-0.57452	0.193071	-1.92644	0.06848	0.135187	-4.75759
OR52K3P	0.838645	0.084258	1.926397	0.068485	0.135187	-4.75766
C12orf53	0.319642	-0.44609	1.926354	0.06849	0.135187	-4.75773
C1QTNF4	0.704747	0.164194	1.926106	0.068523	0.135215	-4.75814
PRINS	0.527872	-0.62535	1.92609	0.068525	0.135215	-4.75817
BRI3	-0.44335	0.331194	-1.92545	0.068609	0.135354	-4.75923
AGL	-0.73506	-0.25906	-1.91704	0.071368	0.139796	-4.75989
FAM71C	0.317223	-0.14684	1.91672	0.071411	0.139867	-4.76042
GIMAP2	-0.82964	-0.25091	-1.92465	0.068716	0.13555	-4.76056
AKT1	-0.51795	0.608884	-1.92445	0.068742	0.135588	-4.76089
ZMYM1	-0.46434	-0.12981	-1.91953	0.070171	0.137935	-4.76303
LOC389701	-0.51776	0.131383	-1.89655	0.073307	0.142995	-4.76336
ALDH1L1	0.351469	0.010623	1.922778	0.068964	0.135998	-4.76366

NBPF9	-0.56674	-0.01005	-1.91457	0.071701	0.1403	-4.76393
PPP1R14B	-0.53478	0.481653	-1.92228	0.069029	0.136103	-4.76448
KRT10	-0.43947	0.232716	-1.92218	0.069043	0.136113	-4.76465
LIPT2	-0.48996	0.203285	-1.92193	0.069077	0.136166	-4.76508
PPIL4	-0.76207	0.379923	-1.91819	0.07035	0.138217	-4.76523
UHRF1BP1	-0.42301	0.524204	-1.92109	0.069189	0.136373	-4.76647
RBP7	0.740532	-0.09623	1.921015	0.069198	0.136378	-4.76659
FAM73A	-0.60514	0.243092	-1.9173	0.070471	0.138412	-4.76671
ABL2	-0.62502	0.794306	-1.92087	0.069217	0.136389	-4.76682
FCRLB	-0.41249	0.442379	-1.92087	0.069218	0.136389	-4.76683
RNF10	0.521842	-0.221	1.920767	0.069231	0.136397	-4.767
KRTAP13-4	0.29423	-0.21137	1.9207	0.06924	0.136397	-4.76711
FAM102B	0.210721	-0.45026	1.920681	0.069243	0.136397	-4.76714
TLN1	-0.65364	0.915234	-1.92032	0.069291	0.136479	-4.76774
ASPG	0.35859	-0.24429	1.920033	0.069329	0.13654	-4.76821
LOC100294	-0.60979	0.300548	-1.91988	0.069349	0.136566	-4.76847
MYEOV2	-0.4522	0.051465	-1.9195	0.069401	0.136653	-4.7691
PPP2CB	-0.37074	0.117699	-1.91926	0.069432	0.136702	-4.76949
WFDC5	0.451185	-0.26044	1.919103	0.069453	0.13673	-4.76975
CCDC12	-0.33153	0.375524	-1.91895	0.069474	0.136755	-4.77
CCDC58	0.620707	-0.12327	1.891998	0.073943	0.143885	-4.77076
IMMT	-0.43486	0.466251	-1.91834	0.069556	0.136903	-4.77102
PDE11A	-0.27386	0.026869	-1.91824	0.069568	0.136914	-4.77118
ABCF2	-0.41632	0.302868	-1.91813	0.069583	0.13693	-4.77136
KCNK10	0.513436	-0.50399	1.897614	0.076098	0.147063	-4.77139
APOL6	-0.81219	0.61968	-1.91807	0.069591	0.136933	-4.77146
CHD8	-0.59709	0.808645	-1.91734	0.06969	0.137099	-4.77268
HMOX2	0.42722	0.001616	1.916972	0.069739	0.137181	-4.77328
ATOH1	0.431937	-0.51492	1.835993	0.08957	0.166449	-4.77385
PCSK7	-0.56329	0.627902	-1.91644	0.06981	0.137307	-4.77416
SUV420H2	-0.32325	0.6388	-1.91588	0.069886	0.137443	-4.77509
KDELC2	-0.39919	0.236753	-1.91486	0.070022	0.137697	-4.77677
HIVEP3	0.565468	-0.15085	1.914791	0.070032	0.137702	-4.77689
PDXP	-0.37598	0.618205	-1.9143	0.070098	0.137819	-4.77771
CYB561	0.618008	0.059336	1.914113	0.070123	0.137854	-4.77801
GPBP1	-0.45151	0.095485	-1.9135	0.070206	0.137989	-4.77902
ZNF184	-0.68429	-0.03999	-1.9097	0.071498	0.139995	-4.77918
LOC100507	-0.34487	0.012523	-1.90949	0.071526	0.140011	-4.77952
CABIN1	0.450798	0.239699	1.912798	0.0703	0.138161	-4.78018
TMEM63A	0.368062	-0.00402	1.912743	0.070308	0.138162	-4.78027
LOC100125	-0.22462	-0.00043	-1.91257	0.070332	0.138195	-4.78057
ROCK1P1	-0.83381	0.421256	-1.90433	0.073098	0.142673	-4.78059
C14orf135	-0.51865	-0.02089	-1.88534	0.074882	0.145286	-4.78159
RXRG	-0.56588	-0.04212	-1.91186	0.070427	0.138341	-4.78174
FXYD3	0.563053	-0.13474	1.884465	0.075006	0.145468	-4.783
RAB6B	-0.49832	0.182452	-1.911	0.070543	0.138541	-4.78315
C7orf64	0.214749	-0.06462	1.906889	0.071881	0.140577	-4.78379

LOC283788	-0.9669	0.212621	-1.91059	0.0706	0.138624	-4.78384
MARVELD2	0.282479	-0.42006	1.910125	0.070662	0.138695	-4.7846
PRELP	0.371181	-0.18244	1.910112	0.070664	0.138695	-4.78462
KRI1	0.371956	-0.08944	1.910101	0.070666	0.138695	-4.78464
DDX50	-0.48177	0.111182	-1.91006	0.070671	0.138695	-4.78471
IL23R	0.959166	-0.43091	1.738774	0.113123	0.199292	-4.78505
FLT3	-0.86183	0.492074	-1.87106	0.079896	0.152522	-4.78517
TIA1	-0.61975	0.472616	-1.90954	0.070741	0.138819	-4.78556
PEA15	-0.48423	0.865061	-1.90936	0.070766	0.138854	-4.78586
EZH1	-0.31122	0.208332	-1.90911	0.070799	0.138905	-4.78627
WFDC10A	-0.28009	0.036848	-1.88237	0.075304	0.14593	-4.7864
CXCR2	0.570455	-0.03561	1.908896	0.070829	0.138949	-4.78663
CRISPLD2	-0.9778	0.977029	-1.90871	0.070855	0.138986	-4.78694
DPYSL2	0.377828	-0.08742	1.908599	0.070869	0.139001	-4.78712
RIMS4	0.271094	-0.13944	1.908246	0.070918	0.139081	-4.7877
TAOK1	-0.45049	0.061246	-1.90815	0.070931	0.139094	-4.78787
HOXB6	-0.53602	0.214078	-1.90798	0.070954	0.139125	-4.78814
SLC6A4	0.680754	0.148512	1.907411	0.071031	0.139248	-4.78908
CPS1	-0.32084	0.048858	-1.9072	0.07106	0.139291	-4.78943
EXOC2	-0.53473	0.170852	-1.9069	0.071101	0.139358	-4.78992
RPS6KL1	-0.33737	0.001418	-1.90603	0.07122	0.139556	-4.79136
FLVCR1	0.605266	0.036798	1.905999	0.071224	0.139556	-4.7914
INPP1	-0.29843	0.474047	-1.90587	0.071242	0.139578	-4.79163
LINC00475	0.366302	-0.35352	1.891716	0.075829	0.146615	-4.79197
CNNM1	-0.39849	-0.01005	-1.90552	0.071289	0.139657	-4.79219
BDH2	-0.47235	0.021321	-1.90449	0.071431	0.139878	-4.7939
PMS1	0.212557	-0.04251	1.903926	0.071508	0.14	-4.79482
RHO	0.621239	-0.12707	1.90378	0.071528	0.140011	-4.79506
WDR82	-0.78035	0.502302	-1.90364	0.071546	0.140021	-4.79529
SKA2	-0.4612	0.352644	-1.90364	0.071547	0.140021	-4.79529
TSPY3	-1.50698	0.351297	-1.89933	0.072921	0.142384	-4.79616
CCS	0.397349	-0.03063	1.902497	0.071704	0.1403	-4.79717
ARHGEF37	0.619303	-0.05985	1.902198	0.071745	0.140366	-4.79767
NTM	-0.56485	0.152146	-1.90153	0.071836	0.140517	-4.79876
SNX33	0.390073	0.231678	1.874714	0.076401	0.147549	-4.79878
FER1L4	-0.4968	0.619623	-1.90135	0.071861	0.140552	-4.79906
MRPL52	-0.40088	0.348564	-1.90104	0.071905	0.140609	-4.79958
NRBF2	-0.71884	0.710999	-1.9002	0.07202	0.140821	-4.80096
GRHL2	-0.53549	0.192606	-1.89091	0.074967	0.145421	-4.80236
CYTH2	-0.32759	0.372811	-1.8991	0.072172	0.141104	-4.80277
ADNP	0.381855	-0.43518	1.898915	0.072198	0.141139	-4.80307
AIMP2	-0.37797	0.361016	-1.89839	0.07227	0.141266	-4.80393
C2orf77	0.457749	-0.06904	1.893897	0.073677	0.143502	-4.80502
SLC35G5	-0.29913	0.063859	-1.89727	0.072426	0.141557	-4.80578
TTLL4	-0.46959	0.631637	-1.897	0.072463	0.141615	-4.80621
LOC100506	0.87788	-0.74993	1.862624	0.080029	0.152686	-4.80637
ANAPC13	-0.41615	0.357369	-1.8966	0.072518	0.141709	-4.80687

LOC100507	-0.59631	0.689697	-1.89605	0.072595	0.141845	-4.80778
PCYOX1	-0.45407	0.143403	-1.89595	0.072608	0.141857	-4.80793
LOC100506	-0.58674	-0.19683	-1.86562	0.078603	0.150713	-4.80807
BMP8B	-0.54352	0.930567	-1.89587	0.07262	0.141865	-4.80807
OR4D5	0.926809	-0.84556	1.720953	0.11641	0.20371	-4.80965
KRT80	-0.76428	0.330241	-1.89462	0.072793	0.142191	-4.81012
MIA3	-0.71721	0.807093	-1.89427	0.072842	0.142271	-4.81069
ACTR3B	-0.57348	0.58076	-1.89407	0.07287	0.14231	-4.81102
AKAP12	0.329596	-0.42442	1.894028	0.072876	0.14231	-4.8111
BEST3	-0.49268	0.156933	-1.89355	0.072942	0.142411	-4.81188
TUSC1	-0.72389	0.586537	-1.88939	0.074309	0.144355	-4.81236
PLCB4	0.466033	-0.08003	1.893234	0.072987	0.142483	-4.8124
LOC389797	-0.2492	-0.0241	-1.89317	0.072995	0.142486	-4.8125
KLHDC9	-0.48038	0.253023	-1.89229	0.073119	0.142698	-4.81395
STOML3	-0.63735	0.023567	-1.89193	0.073169	0.142781	-4.81453
CKB	0.652042	-0.06665	1.891592	0.073216	0.14286	-4.81509
SLC2A4RG	0.455722	0.013835	1.891376	0.073247	0.142905	-4.81545
HHIP	-0.4168	0.251243	-1.89107	0.073289	0.142974	-4.81594
SPRYD3	-0.21131	0.291883	-1.89089	0.073315	0.142997	-4.81625
GPR172B	0.286217	-0.21763	1.890687	0.073343	0.143037	-4.81658
NME1	-0.56372	0.431438	-1.89062	0.073352	0.14304	-4.81668
MIAT	-1.03737	0.175798	-1.89032	0.073394	0.143108	-4.81717
AGBL4	0.369856	0.010333	1.886212	0.074758	0.145059	-4.81754
FABP1	0.651036	0.164914	1.889805	0.073467	0.143215	-4.81802
CEACAM15	-0.78623	0.46584	-1.88978	0.073471	0.143215	-4.81807
CHD7	-0.38181	0.412213	-1.88977	0.073471	0.143215	-4.81807
C14orf1	-0.42716	0.384431	-1.8897	0.073482	0.143222	-4.8182
HEPACAM	-0.25271	-0.05256	-1.88952	0.073507	0.143254	-4.81849
NCL	0.492541	-0.07833	1.889475	0.073513	0.143254	-4.81856
SDHAF2	-0.16664	-0.00239	-1.88914	0.073561	0.143321	-4.81912
RNF130	-0.53485	0.44578	-1.88913	0.073562	0.143321	-4.81913
LOXL2	0.263504	-0.24542	1.888536	0.073645	0.143469	-4.8201
H2AFV	-0.31271	0.108544	-1.88836	0.07367	0.143502	-4.82038
FADS6	-0.33701	-0.26316	-1.85778	0.079761	0.152354	-4.8206
C12orf36	0.337386	-0.32437	1.888201	0.073693	0.143518	-4.82065
GOT1L1	-0.23893	0.044013	-1.86081	0.078431	0.150473	-4.8212
LOC100136	0.505422	-0.10831	1.857199	0.079848	0.152474	-4.82152
HOXA6	0.347831	-0.22928	1.887443	0.073799	0.143712	-4.82189
LYPD4	0.453979	-0.54871	1.824681	0.085815	0.161091	-4.82204
CACNG4	0.289711	-0.16037	1.887087	0.07385	0.143795	-4.82247
CREG1	-0.61302	0.302701	-1.88698	0.073865	0.143811	-4.82265
FBXO32	0.486637	-0.22083	1.88675	0.073897	0.143838	-4.82303
RAD21L1	-0.58042	0.266192	-1.88672	0.073901	0.143838	-4.82307
SMG7	0.307032	0.028826	1.886503	0.073932	0.143884	-4.82343
DGCR6	0.466904	-0.16563	1.886397	0.073947	0.143885	-4.8236
PRPF4B	-0.47841	-0.12289	-1.88634	0.073955	0.143886	-4.8237
KLHL10	0.509335	-0.26915	1.886174	0.073979	0.143917	-4.82397

MRPS30	-0.42759	0.362252	-1.88603	0.073999	0.143933	-4.82421
PAK1IP1	0.741084	-0.01513	1.886013	0.074001	0.143933	-4.82423
LOC388588	1.10471	-0.70795	1.885785	0.074033	0.143981	-4.82461
LOC100506	0.441099	-0.27898	1.871145	0.078778	0.150946	-4.82488
EIF3G	0.488509	-0.14196	1.885607	0.074059	0.144016	-4.8249
C9orf85	-0.67742	0.40445	-1.88129	0.075457	0.146137	-4.82554
GHRL	-0.49012	0.188942	-1.88507	0.074135	0.144149	-4.82578
KEAP1	-0.37717	0.326598	-1.88493	0.074154	0.144174	-4.826
STX12	-0.33033	-0.1287	-1.88481	0.074172	0.144176	-4.8262
R3HDM2	-0.67073	0.760496	-1.88478	0.074175	0.144176	-4.82625
CCDC88C	0.688748	0.160321	1.884767	0.074177	0.144176	-4.82627
TBC1D13	-0.24145	0.158072	-1.88462	0.074199	0.144189	-4.82652
SLC22A31	-0.56369	0.557093	-1.88461	0.074199	0.144189	-4.82652
CNTN6	-0.43349	0.109643	-1.87003	0.07894	0.151183	-4.82666
PLXNA4	-0.67355	0.181309	-1.88451	0.074213	0.144202	-4.82668
MAZ	-0.57089	0.832592	-1.88442	0.074227	0.144214	-4.82684
CCDC73	0.706926	-0.00024	1.880302	0.075599	0.146285	-4.82715
MTERFD1	-0.52681	0.285073	-1.8838	0.074314	0.144355	-4.82785
TLN2	0.979745	-0.46716	1.883679	0.074332	0.144375	-4.82805
PRIM2	0.735219	-0.07408	1.883555	0.074349	0.144395	-4.82825
FAM153A	0.525728	-0.35763	1.879548	0.075707	0.146421	-4.82837
MGST3	0.406355	-0.54012	1.883442	0.074365	0.144412	-4.82844
FAM167A	-1.57768	0.952513	-1.85625	0.079107	0.151413	-4.82852
SEPSECS	-0.37606	0.184561	-1.87945	0.075721	0.146434	-4.82853
OSMR	0.448379	-0.60595	1.874554	0.077301	0.148859	-4.82875
LOC100133	-0.33732	-0.11002	-1.88295	0.074436	0.14452	-4.82925
LOC100495	-0.33397	0.128987	-1.88255	0.074493	0.144612	-4.8299
SKIV2L	-0.33162	0.331079	-1.88251	0.074498	0.144612	-4.82997
ZNF285	-0.7079	0.553559	-1.85135	0.080722	0.15368	-4.83084
MPZL3	0.660874	-0.33105	1.881695	0.074614	0.144822	-4.83129
SNTG2	-0.52705	0.047393	-1.85098	0.080778	0.153756	-4.83143
Mar-01	-0.99751	0.928783	-1.88076	0.074747	0.145059	-4.83282
SH3BGRL2	0.821918	-0.34124	1.880698	0.074756	0.145059	-4.83292
CNIH3	-0.5625	0.021575	-1.85334	0.079541	0.152065	-4.83319
STON1	-0.70763	0.312522	-1.87955	0.07492	0.145344	-4.8348
C4orf27	-0.71222	0.351379	-1.8753	0.076317	0.147427	-4.83526
RHD	-0.70119	0.007714	-1.87897	0.075002	0.145468	-4.83574
LCK	0.970639	-0.22946	1.878847	0.07502	0.145481	-4.83594
TCF7	1.069859	-0.38955	1.878221	0.07511	0.14564	-4.83697
ST3GAL1	-0.25871	0.486461	-1.87765	0.075191	0.145783	-4.83789
PPAN	0.455887	-0.04292	1.877594	0.075199	0.145786	-4.83799
HOXA2	-0.263	-0.04416	-1.87335	0.076598	0.147869	-4.83841
TOP2A	-1.36204	0.862826	-1.87716	0.075261	0.145891	-4.83869
HSD17B4	-0.33209	0.338691	-1.87701	0.075283	0.145919	-4.83894
FCGR3B	-0.88697	0.765892	-1.87691	0.075298	0.14593	-4.83911
C10orf32	-0.50974	-0.43558	-1.87279	0.076679	0.147952	-4.83932
LOC729678	0.434354	-0.1067	1.876702	0.075327	0.145957	-4.83944

CSNK1E	-0.44379	0.752918	-1.87667	0.075332	0.145957	-4.8395
SLC5A12	1.045252	-0.7814	1.698747	0.120627	0.209295	-4.84012
AGSK1	-0.39518	0.463518	-1.87618	0.075402	0.146077	-4.84029
OR2B2	0.402083	-0.33412	1.875736	0.075466	0.146137	-4.84102
ANKRD57	-0.3476	0.088096	-1.87571	0.07547	0.146137	-4.84107
DCTN6	-0.47131	-0.30005	-1.87555	0.075493	0.146151	-4.84133
ETS1	0.52727	-0.29286	1.87553	0.075496	0.146151	-4.84135
HS6ST1	-0.41023	0.578416	-1.87546	0.075506	0.146151	-4.84148
AGPAT9	-0.77512	0.28916	-1.87545	0.075507	0.146151	-4.84149
LOC401176	-0.29046	0.239362	-1.87531	0.075527	0.146176	-4.84172
SMC2	-0.97521	0.611353	-1.87491	0.075584	0.146272	-4.84236
CPAMD8	0.596408	-0.32939	1.874576	0.075633	0.146337	-4.84291
SSB	-0.59313	0.320394	-1.87441	0.075657	0.146349	-4.84319
SPATA8	0.320094	-0.41448	1.87439	0.07566	0.146349	-4.84321
KRT3	0.486005	-0.52688	1.874378	0.075661	0.146349	-4.84323
LRCH2	-0.34693	0.048603	-1.87036	0.077031	0.148456	-4.84325
SHROOM4	-0.55505	0.236379	-1.87011	0.077068	0.148511	-4.84365
TDG	-0.42709	0.269441	-1.87372	0.075757	0.146489	-4.84431
CPT1C	0.267899	-0.1633	1.873057	0.075852	0.146645	-4.84538
TAS2R3	0.394178	-0.41318	1.858218	0.080683	0.153623	-4.84545
TSPEAR	1.416229	-0.13515	1.640908	0.127038	0.217814	-4.8456
SNHG5	0.730818	-0.79865	1.872198	0.075976	0.14687	-4.84678
SPPL2B	-0.30748	0.379322	-1.87212	0.075987	0.146877	-4.8469
TAF4	0.580088	-0.32522	1.871965	0.07601	0.146906	-4.84716
SLC5A8	-0.62275	0.283636	-1.84374	0.080988	0.154051	-4.84856
SWI5	-0.34041	0.524919	-1.87059	0.076209	0.147262	-4.8494
KCNJ2	-0.90704	0.21633	-1.87052	0.076219	0.147266	-4.84951
C1orf190	0.471233	0.036166	1.869963	0.0763	0.147409	-4.85042
HSPA1A	-0.90748	0.830093	-1.86965	0.076345	0.147467	-4.85092
DNM3	0.620333	-0.48804	1.869247	0.076404	0.147549	-4.85159
C7orf54	0.326861	-0.10948	1.869204	0.07641	0.147549	-4.85166
LOC100288	-0.65595	0.459581	-1.86498	0.077817	0.149639	-4.85195
LOC399855	0.339108	-0.39138	1.868235	0.076551	0.147807	-4.85323
FAM82B	-0.4002	-0.16925	-1.868	0.076585	0.147858	-4.85361
CCNB3	0.355841	-0.10771	1.83256	0.084584	0.159432	-4.85381
ABAT	-0.72823	0.628993	-1.86781	0.076613	0.147875	-4.85393
EPYC	0.252505	-0.02568	1.867777	0.076618	0.147875	-4.85398
TMEM88	-0.59943	0.573418	-1.86773	0.076624	0.147875	-4.85405
LOC100507	-0.5835	0.88979	-1.86767	0.076634	0.147879	-4.85415
GPC5	-0.68496	0.453483	-1.86318	0.078081	0.149987	-4.85484
ZDHHC11	-0.70978	0.646064	-1.86724	0.076697	0.147971	-4.85485
LOC100288	0.374184	-0.31758	1.858151	0.079706	0.152332	-4.85506
LOC441495	-0.87973	0.451175	-1.86684	0.076754	0.148067	-4.85549
LOC100276	-0.38979	0.003775	-1.86672	0.076772	0.148086	-4.85569
REC8	-0.28556	0.477218	-1.86657	0.076794	0.148105	-4.85594
CPT1A	-0.48852	0.323558	-1.86655	0.076796	0.148105	-4.85596
XAF1	-1.35502	1.094625	-1.86638	0.076822	0.148141	-4.85625

GCNT3	0.214693	-0.03374	1.866317	0.076831	0.148142	-4.85635
ABCA10	0.711336	-0.00668	1.862032	0.078251	0.150187	-4.8567
RAPGEF2	-0.63299	0.421786	-1.86609	0.076863	0.14819	-4.85671
PIR	-0.67597	0.592073	-1.86576	0.076913	0.148271	-4.85726
C5orf62	-0.43921	0.541312	-1.86528	0.076982	0.148386	-4.85803
CNTF	0.395001	-0.24892	1.865245	0.076988	0.148386	-4.85809
GREB1	-0.17762	0.035524	-1.86416	0.077146	0.148648	-4.85985
ARHGAP1	0.324514	0.039644	1.864096	0.077156	0.148652	-4.85995
PCDHGA9	-0.42887	0.085176	-1.86382	0.077196	0.148714	-4.8604
SHROOM1	-0.39634	0.162723	-1.8637	0.077214	0.148735	-4.8606
NUDT10	0.677342	-0.54234	1.777879	0.099053	0.180008	-4.86062
ZNF236	0.283279	-0.30189	1.863451	0.077251	0.148791	-4.861
MSL2	-0.49666	0.177913	-1.86337	0.077262	0.148798	-4.86113
ZNF804A	0.187288	-0.03943	1.858838	0.078723	0.150884	-4.86185
RANBP9	-0.9694	0.861897	-1.86267	0.077365	0.148968	-4.86227
TMEM123	-0.83612	0.528257	-1.86235	0.077412	0.149043	-4.86279
MS4A6A	-0.74615	-0.10837	-1.86206	0.077455	0.149111	-4.86326
STXBP5	-0.6422	0.261783	-1.86181	0.077492	0.149168	-4.86367
ITM2B	-0.68027	0.646489	-1.86158	0.077526	0.149206	-4.86404
LOC28544:	0.388815	-0.20061	1.861552	0.07753	0.149206	-4.86408
CHIT1	-1.55421	0.665964	-1.86152	0.077535	0.149206	-4.86414
HTR1D	0.333978	-0.22466	1.861192	0.077583	0.149276	-4.86467
TSPAN18	0.578348	-0.53673	1.861166	0.077586	0.149276	-4.86471
CELF3	0.396143	-0.19876	1.860642	0.077664	0.14941	-4.86556
CTNNBIP1	0.450721	-0.19756	1.860421	0.077696	0.149458	-4.86592
HTT	-0.31892	0.332261	-1.86024	0.077722	0.149494	-4.8662
FAM204A	-0.48321	0.162226	-1.85954	0.077827	0.149639	-4.86735
CD48	-0.56734	-0.03604	-1.85954	0.077827	0.149639	-4.86735
LOC10028:	0.299676	-0.22687	1.859488	0.077834	0.149639	-4.86743
TMEM55A	-0.66935	0.125692	-1.85947	0.077836	0.149639	-4.86745
EGLN3	0.788606	0.261577	1.795419	0.090527	0.167783	-4.86745
PRM3	0.278097	-0.23874	1.859277	0.077865	0.14968	-4.86777
TOP1MT	0.537052	-0.19401	1.859209	0.077875	0.149685	-4.86788
AGFG2	0.650621	-0.18258	1.859156	0.077883	0.149685	-4.86797
ZBTB46	0.440692	-0.16068	1.858945	0.077914	0.14973	-4.86831
PPAPDC1A	-0.50786	0.239093	-1.85863	0.07796	0.149804	-4.86882
C2orf50	-0.81953	0.123435	-1.85447	0.079372	0.151818	-4.86888
RFWD2	-0.45997	0.077939	-1.8581	0.07804	0.149943	-4.86969
CCDC130	-0.27456	0.184739	-1.85786	0.078075	0.149987	-4.87007
TUBAL3	0.547718	-0.19152	1.826567	0.084523	0.15939	-4.87012
RCVRN	-0.75716	0.479104	-1.85778	0.078087	0.149987	-4.8702
LOC14970:	0.455258	-0.07825	1.857731	0.078094	0.149987	-4.87028
FAM74A3	0.48857	-0.52356	1.853594	0.079503	0.152008	-4.87028
DOK5	-0.46382	0.211809	-1.85756	0.078119	0.15002	-4.87055
TCEAL7	0.673608	-0.26518	1.821781	0.086272	0.161763	-4.8707
UCHL3	-0.42171	0.220767	-1.85717	0.078178	0.150119	-4.87119
TMEM181	0.521403	-0.2377	1.85708	0.07819	0.150128	-4.87133

SCIN	0.623773	-0.22088	1.84796	0.081233	0.154458	-4.87133
COIL	-0.35355	0.102114	-1.85693	0.078212	0.150155	-4.87157
SMPDL3A	-0.73682	0.272788	-1.85679	0.078234	0.150183	-4.87181
HAUS6	-0.71434	0.079595	-1.85667	0.078251	0.150187	-4.872
KLRC3	0.796192	-0.27778	1.852212	0.07971	0.152332	-4.8725
HPS6	-0.22328	0.190936	-1.85625	0.078314	0.150293	-4.87268
CLEC4C	0.990987	-0.5357	1.799389	0.093751	0.172549	-4.87286
BCL2L14	-0.42914	0.157768	-1.85611	0.078335	0.150305	-4.8729
RPAIN	-0.49261	0.152425	-1.8561	0.078336	0.150305	-4.87292
ACTRT1	-0.56581	0.224752	-1.85195	0.079749	0.152344	-4.87292
ELAVL1	-0.56263	0.682043	-1.85539	0.078442	0.150479	-4.87407
CD3G	0.892251	-0.4894	1.85507	0.078489	0.150554	-4.87458
GRHPR	-0.28012	0.264617	-1.85497	0.078504	0.150568	-4.87475
NEURL	0.624367	-0.0665	1.854529	0.07857	0.150679	-4.87546
RPSAP52	0.428513	-0.541	1.854343	0.078597	0.150713	-4.87576
HPSE2	-0.32463	-0.07521	-1.85018	0.080015	0.152674	-4.87577
LXN	-0.40875	0.09511	-1.85385	0.078671	0.150829	-4.87655
SLC24A2	0.406095	-0.20969	1.853713	0.078691	0.150854	-4.87678
LRCH1	-0.4778	0.301526	-1.85359	0.078709	0.150873	-4.87697
LOC10013:	-0.5753	0.250847	-1.8534	0.078738	0.150899	-4.87728
PPP1R42	0.477609	-0.21125	1.844146	0.081811	0.155391	-4.8774
C18orf54	-0.52404	0.252085	-1.85315	0.078775	0.150946	-4.87769
LMF1	0.927156	0.158686	1.853066	0.078788	0.15095	-4.87782
KLHDC4	-0.47665	0.471801	-1.85298	0.0788	0.150959	-4.87796
EXOC8	-0.54254	0.065873	-1.81699	0.087032	0.162845	-4.87819
STBD1	-0.69416	0.252815	-1.8525	0.078873	0.151083	-4.87874
MEGF6	0.486659	-0.01505	1.852336	0.078897	0.151115	-4.879
ZNF193	-0.3128	0.374793	-1.85164	0.079001	0.151286	-4.88014
GLP1R	-0.37707	-0.01245	-1.85126	0.079058	0.151371	-4.88075
IKBKAP	-0.45838	0.322946	-1.85124	0.079061	0.151371	-4.88078
NET1	0.38665	-0.11621	1.851083	0.079084	0.1514	-4.88103
POLE4	-0.4027	0.101326	-1.85102	0.079093	0.151402	-4.88113
RTKN	0.434412	0.23291	1.850618	0.079154	0.151489	-4.88178
VEZF1	-0.45594	0.121213	-1.85034	0.079196	0.151554	-4.88223
WIF1	-1.08879	0.307746	-1.84574	0.080684	0.153623	-4.88289
CLEC18B	-0.52598	0.690012	-1.84966	0.079297	0.151733	-4.88332
SERTAD4	0.358563	-0.02218	1.845247	0.080759	0.153734	-4.88368
ANKRD30B	-0.62606	-0.08794	-1.84943	0.079331	0.151765	-4.88369
HRG	0.36583	-0.3076	1.849421	0.079333	0.151765	-4.88371
C8orf33	-0.42577	0.410554	-1.8494	0.079337	0.151765	-4.88375
NUP160	-0.50359	0.487876	-1.84893	0.079407	0.151869	-4.8845
C22orf15	0.370347	-0.16792	1.848741	0.079436	0.151908	-4.88481
APOB	0.442676	0.082375	1.848693	0.079443	0.151908	-4.88489
PARG	-0.58131	0.097125	-1.84397	0.080952	0.153998	-4.88573
FAM134C	-0.30108	0.177654	-1.84741	0.079636	0.152232	-4.88695
CATR1	0.603212	0.045862	1.846906	0.079712	0.152332	-4.88777
EMCN	-0.35835	0.057731	-1.84686	0.079719	0.152332	-4.88784

MMP12	-0.48059	-0.20471	-1.8375	0.082827	0.15694	-4.88796
SMCP	0.341546	-0.21287	1.846705	0.079742	0.152344	-4.8881
OR13D1	0.466322	-0.21367	1.846335	0.079798	0.152409	-4.88869
PLEKHF1	0.665731	0.096256	1.846237	0.079813	0.152423	-4.88885
IFITM4P	-0.97584	0.768304	-1.84575	0.079887	0.152522	-4.88964
CAMK4	0.523621	-0.19612	1.845695	0.079895	0.152522	-4.88972
PABPC1	0.466054	-0.39329	1.845565	0.079915	0.152542	-4.88993
MRPS25	0.370682	-0.08652	1.845401	0.079939	0.152575	-4.8902
PSD4	-0.34649	0.529804	-1.84524	0.079963	0.152605	-4.89045
RP9P	0.612111	0.035185	1.845102	0.079985	0.152631	-4.89068
MOB1B	0.612612	-0.05833	1.844634	0.080055	0.152722	-4.89143
ATP2C2	-1.3042	0.928495	-1.84432	0.080103	0.152798	-4.89194
ASRGL1	-0.43526	0.593653	-1.84423	0.080117	0.15281	-4.89209
HDGFRP3	-0.77946	0.535285	-1.80778	0.08851	0.164976	-4.89254
NPM1	-0.56982	0.489158	-1.84393	0.080162	0.152868	-4.89257
TMEM218	-0.27377	0.178928	-1.84391	0.080165	0.152868	-4.8926
MAGEB6	-0.41003	0.061479	-1.84387	0.080171	0.152868	-4.89267
TRPM1	-0.65604	-0.06428	-1.84368	0.080199	0.152907	-4.89297
PLEKHO2	-0.4405	0.390327	-1.84342	0.080239	0.152966	-4.89338
HIST2H2AE	-0.63894	0.551775	-1.84338	0.080246	0.152966	-4.89346
LRTM2	-0.32829	-0.19111	-1.81512	0.085437	0.160581	-4.89403
RPL34	0.742058	-1.35719	1.8424	0.080394	0.153234	-4.89503
OR1F1	0.383361	-0.29674	1.842121	0.080437	0.1533	-4.89548
CLSPN	-0.83303	0.538137	-1.83779	0.081896	0.155521	-4.89561
C18orf10	0.321521	-0.1062	1.84187	0.080475	0.153358	-4.89589
USP22	-0.40849	0.488704	-1.84178	0.080488	0.15336	-4.89603
ZFYVE20	-0.35053	-0.03498	-1.84176	0.080492	0.15336	-4.89607
CD46	-0.9405	0.359863	-1.84167	0.080505	0.15337	-4.8962
UGT8	-0.42258	-0.01749	-1.84162	0.080512	0.15337	-4.89628
CBWD5	-0.48001	0.509596	-1.84113	0.080588	0.153498	-4.89708
LOC100128	0.626806	-0.17985	1.836783	0.08205	0.15575	-4.89722
USP49	-0.73029	-0.48422	-1.77169	0.095649	0.175374	-4.89782
GNPTAB	-0.59594	0.314843	-1.84066	0.08066	0.153613	-4.89784
KRT75	0.470278	-0.45333	1.831246	0.083794	0.158282	-4.89788
TRMT2A	-0.41109	0.57744	-1.84063	0.080664	0.153613	-4.89788
TMEM146	-0.50723	-0.07251	-1.81249	0.085858	0.161124	-4.8982
ATG7	-0.35154	0.472182	-1.83964	0.080814	0.15381	-4.89947
PPP2R1A	0.253506	-0.0353	1.83956	0.080827	0.153819	-4.8996
PIGR	0.287108	-0.17122	1.811218	0.086061	0.161441	-4.9002
GNB2L1	0.56255	-0.30832	1.839075	0.080901	0.153933	-4.90038
KRTAP13-1	0.360849	-0.20481	1.839066	0.080902	0.153933	-4.9004
CPVL	0.862566	-0.4375	1.838781	0.080946	0.153998	-4.90086
FOXJ3	0.296589	-0.24531	1.837942	0.081074	0.154189	-4.90221
SHISA5	-0.38965	0.582441	-1.83786	0.081087	0.154194	-4.90234
C8orf59	0.571677	-0.03751	1.832722	0.082676	0.156684	-4.9037
TFB2M	-0.49076	0.01507	-1.8368	0.081249	0.154473	-4.90404
CDH16	-0.36037	0.072162	-1.8083	0.086529	0.16212	-4.9048

TJP2	-0.70218	0.980265	-1.83622	0.081339	0.154628	-4.90497
GAS1	0.343194	-0.07646	1.808135	0.086556	0.162139	-4.90507
NAT2	-0.29157	0.117968	-1.83608	0.081359	0.154652	-4.90519
TNFRSF11E	-0.36333	0.02928	-1.83594	0.081381	0.154675	-4.90542
TOM1L2	-0.43496	0.618955	-1.8359	0.081387	0.154675	-4.90548
LOC399900	-0.51051	0.470038	-1.8356	0.081434	0.15475	-4.90598
STAP1	0.164235	-0.02191	1.831019	0.08294	0.157062	-4.90642
RPL35	0.816226	-0.85026	1.834384	0.081621	0.155079	-4.90792
BASP1	-0.66976	0.557879	-1.83436	0.081624	0.155079	-4.90795
NAA10	0.251413	-0.06222	1.834217	0.081646	0.155107	-4.90819
C20orf26	0.651325	-0.32441	1.801656	0.088501	0.164976	-4.90923
RPTN	0.92798	-0.3859	1.771139	0.093596	0.172313	-4.90987
LHPP	-0.49935	0.666261	-1.83317	0.081808	0.155391	-4.90987
KIAA0748	0.903189	-0.3074	1.833036	0.081828	0.155408	-4.91008
WFDC1	-0.80739	0.438875	-1.8323	0.081942	0.155593	-4.91126
LOC729088	-0.60232	0.377562	-1.82795	0.083417	0.157767	-4.9113
ANKMY2	-0.45574	0.406321	-1.8317	0.082035	0.15575	-4.91223
CCR3	0.24569	-0.07188	1.831582	0.082053	0.15575	-4.91242
LOC646808	0.401327	-0.03334	1.831562	0.082056	0.15575	-4.91245
FAM25A	-0.33595	-0.04001	-1.83147	0.08207	0.155761	-4.91259
LOC400604	-0.75793	0.67941	-1.83131	0.082095	0.155793	-4.91285
FAM124A	0.163289	-0.03266	1.831101	0.082127	0.15584	-4.91319
RSPH9	-0.2684	0.310566	-1.83033	0.082247	0.156051	-4.91442
LOC100133	-0.4877	-0.00924	-1.83026	0.082257	0.156056	-4.91453
CCDC78	0.375841	0.032669	1.829956	0.082305	0.156131	-4.91502
UTP3	-0.34173	0.334599	-1.82916	0.082428	0.15635	-4.91629
MARK1	-0.63597	0.28581	-1.82907	0.082442	0.156353	-4.91644
TNKS2	-0.35618	0.184223	-1.82905	0.082445	0.156353	-4.91647
ZNF704	-0.4997	0.012176	-1.82852	0.082528	0.156494	-4.91733
NOL3	-0.49136	0.316467	-1.82825	0.08257	0.156558	-4.91776
LOC90246	0.263372	-0.23241	1.828083	0.082596	0.156587	-4.91802
ISM2	-0.46165	0.091808	-1.82805	0.082601	0.156587	-4.91807
LINC00221	-0.51014	0.096382	-1.828	0.08261	0.156588	-4.91816
TCAM1P	0.564391	-0.36634	1.823501	0.084113	0.158756	-4.91838
SRM	-0.51699	0.960506	-1.82783	0.082635	0.15662	-4.91842
DHX38	0.347995	-0.29865	1.82715	0.082741	0.156792	-4.91952
DCXR	0.400945	-0.14939	1.826316	0.082871	0.157008	-4.92085
STC2	0.502257	-0.04601	1.826071	0.082909	0.157062	-4.92124
SETX	-0.34338	0.217479	-1.82602	0.082918	0.157062	-4.92133
MRPL4	-0.46108	0.641138	-1.82595	0.082929	0.157062	-4.92144
GLMN	-0.42758	0.040088	-1.82592	0.082933	0.157062	-4.92149
GRIK3	-0.30753	0.061506	-1.82577	0.082957	0.15708	-4.92173
RASGEF1A	-0.63703	0.344285	-1.8253	0.08303	0.157202	-4.92248
PRKACG	0.22918	-0.26158	1.820913	0.08452	0.15939	-4.92249
CD84	-0.56696	0.345126	-1.82519	0.083047	0.15722	-4.92265
ATP6V1G3	0.848273	-0.70027	1.801001	0.09074	0.168097	-4.92299
RDH11	0.947099	-0.29932	1.792513	0.090001	0.167059	-4.92349

OR1N2	0.346447	-0.50462	1.824442	0.083164	0.157425	-4.92385
OSGEP	-0.24672	0.299324	-1.82439	0.083172	0.157425	-4.92393
KIAA1539	-0.44922	0.345018	-1.82423	0.083197	0.157457	-4.92418
CHRNA2	0.258317	0.027291	1.823947	0.083241	0.157527	-4.92464
SLC9A3	-0.4907	0.229717	-1.82374	0.083274	0.157572	-4.92497
BIN1	0.658062	-0.17273	1.823395	0.083328	0.15766	-4.92552
PLN	-0.52308	0.019898	-1.8233	0.083343	0.157673	-4.92567
CST9L	-0.35994	0.067802	-1.82324	0.083353	0.157677	-4.92578
SIRPB2	-0.58855	0.382841	-1.82289	0.083407	0.157763	-4.92632
FAM55B	0.610888	-0.2808	1.662972	0.115944	0.203111	-4.92658
FKBP9	-0.83437	0.386216	-1.82271	0.083435	0.157786	-4.92661
CCBP2	0.339182	-0.52888	1.822379	0.083488	0.157871	-4.92715
TMEM101	-0.27592	0.097618	-1.82215	0.083524	0.157925	-4.92752
RYBP	0.7077	-0.94373	1.821776	0.083582	0.158019	-4.92811
SLC35B4	-0.24099	0.27052	-1.82172	0.083592	0.158022	-4.92821
C2orf18	-0.26317	0.020102	-1.82149	0.083627	0.158074	-4.92857
SNF8	0.297678	-0.24692	1.821355	0.083648	0.158076	-4.92878
LOC100136	0.360378	-0.18231	1.821337	0.083651	0.158076	-4.92881
POF1B	0.642063	0.003549	1.821327	0.083653	0.158076	-4.92883
SLC10A7	-0.7083	0.174309	-1.78432	0.092373	0.170477	-4.92888
ZNF575	0.469751	-0.01581	1.821164	0.083679	0.15811	-4.92909
FGFR1OP	-0.78701	0.013533	-1.78389	0.092444	0.170507	-4.92954
MRPS18B	0.503604	-0.20659	1.820751	0.083743	0.158217	-4.92975
CRYGB	-0.38435	-0.01933	-1.82044	0.083792	0.158282	-4.93024
PLEKHN1	0.574038	-0.22208	1.820097	0.083847	0.158366	-4.93079
CCDC136	0.560517	0.15045	1.75731	0.095988	0.175841	-4.9311
ARSF	0.342071	-0.26866	1.819897	0.083878	0.15841	-4.93111
ASMT	-0.60685	0.597565	-1.79109	0.089338	0.166179	-4.93185
RXFP4	0.474321	-0.26345	1.814287	0.08557	0.160754	-4.933
KCNIP3	-0.65708	0.294157	-1.81869	0.084069	0.158755	-4.93304
KIR3DL1	0.501006	0.268629	1.818562	0.084089	0.158756	-4.93324
AK5	1.037061	-0.33936	1.818557	0.08409	0.158756	-4.93325
ACOT1	0.574716	-0.23276	1.818438	0.084109	0.158756	-4.93344
MEPCE	-0.47598	0.858796	-1.8184	0.084115	0.158756	-4.93351
APCS	0.368088	-0.35187	1.818378	0.084118	0.158756	-4.93353
MGC4580C	-0.53826	0.320874	-1.81761	0.084239	0.15897	-4.93476
CKAP5	-0.44179	0.530742	-1.8173	0.084289	0.159049	-4.93526
UBE2C	0.683543	-0.16654	1.816998	0.084336	0.159122	-4.93574
CCDC168	-0.30599	-0.01061	-1.81693	0.084348	0.159129	-4.93585
ANP32D	0.462194	-0.28965	1.8165	0.084415	0.159241	-4.93653
BRAP	-0.50329	0.865834	-1.81629	0.084449	0.15929	-4.93687
ZNF626	-0.34433	-0.32205	-1.8158	0.084527	0.15939	-4.93765
RUFY2	-0.28136	0.163914	-1.81564	0.084551	0.159421	-4.9379
RPS15A	0.447826	-0.40358	1.815514	0.084572	0.159432	-4.9381
MSX2	-0.37675	0.046729	-1.81547	0.084579	0.159432	-4.93817
TMPRSS4	0.360052	-0.14393	1.8154	0.08459	0.159432	-4.93828
DPP4	0.455323	-0.28634	1.815321	0.084602	0.15944	-4.93841

MTBP	0.693411	-0.00202	1.815132	0.084632	0.159481	-4.93871
CXCL3	-0.48738	0.2846	-1.81498	0.084657	0.159513	-4.93896
XRN1	-0.69865	0.322122	-1.81438	0.084752	0.159661	-4.9399
SLC25A26	0.503264	-0.7382	1.814379	0.084752	0.159661	-4.93991
CEBPG	-0.2902	0.095654	-1.81431	0.084763	0.159666	-4.94002
CDKN1C	1.148621	-0.28634	1.814087	0.084799	0.159718	-4.94037
DCAF17	-0.72267	0.282249	-1.80934	0.086362	0.161868	-4.94083
BAIAP2	0.441788	0.141218	1.813594	0.084877	0.159851	-4.94116
HNRNPUL2	-0.4057	0.275688	-1.81321	0.084939	0.159946	-4.94177
TSSK2	-0.38284	0.140828	-1.81317	0.084945	0.159946	-4.94183
MALT1	-0.48803	0.050074	-1.81306	0.084962	0.159963	-4.942
LATS2	-0.72015	0.406871	-1.81295	0.08498	0.159983	-4.94219
RENBP	-0.4266	0.195811	-1.81272	0.085017	0.160036	-4.94255
EXT2	0.280971	-0.08242	1.81259	0.085037	0.16006	-4.94276
PLXNA2	0.410918	0.111484	1.811654	0.085187	0.160317	-4.94425
CDYL	-0.77092	0.661215	-1.81159	0.085197	0.160317	-4.94435
NUDT2	-0.50764	0.161427	-1.81158	0.085198	0.160317	-4.94436
CXCL10	-1.09341	0.281078	-1.8069	0.086754	0.162419	-4.94468
CLEC2B	-1.13472	0.007833	-1.81136	0.085234	0.160369	-4.94472
FKBP14	-0.35461	0.356519	-1.81124	0.085253	0.160376	-4.9449
HIST1H4E	-0.4251	0.364625	-1.81123	0.085254	0.160376	-4.94492
OLIG2	0.895082	0.030051	1.806733	0.086782	0.162454	-4.94495
MPPED1	0.552669	-0.40557	1.810781	0.085326	0.160496	-4.94564
MAGOHB	-0.28874	0.172367	-1.81071	0.085338	0.160503	-4.94575
HAPLN3	-0.56602	0.630007	-1.81061	0.085354	0.160512	-4.9459
ADAM29	0.606258	-0.6269	1.778068	0.092418	0.170498	-4.94593
ZNF800	-0.67686	0.096601	-1.81057	0.085361	0.160512	-4.94598
C1orf180	0.216981	-0.06406	1.810523	0.085368	0.160512	-4.94605
GUSBP10	-0.50303	0.003763	-1.81028	0.085406	0.160569	-4.94643
SPARCL1	-0.65741	0.248907	-1.81014	0.085429	0.160581	-4.94665
C11orf88	0.349445	-0.38189	1.810115	0.085433	0.160581	-4.9467
KIAA1875	-0.39218	0.474935	-1.80992	0.085465	0.160617	-4.94701
BRMS1L	-0.71483	0.365137	-1.80526	0.087019	0.162836	-4.94727
B3GNT4	0.368317	-0.13482	1.809564	0.085521	0.160702	-4.94757
HLA-DQA1	3.044618	-1.14754	1.809536	0.085526	0.160702	-4.94762
DNAAF1	0.774824	0.051977	1.809432	0.085543	0.160718	-4.94778
CCDC60	0.21029	-0.01112	1.804575	0.087131	0.162982	-4.94835
ITPRIPL2	-0.54175	0.259126	-1.80878	0.085647	0.160883	-4.94882
OMP	0.30526	-0.18845	1.808552	0.085684	0.160937	-4.94918
MICAL3	-0.47251	0.615414	-1.8082	0.085741	0.161013	-4.94975
OPN4	0.347418	-0.29673	1.808096	0.085757	0.161028	-4.94991
LINC00094	0.431382	-0.3418	1.807988	0.085774	0.161045	-4.95008
SPHAR	-0.25874	-0.02923	-1.80791	0.085787	0.161052	-4.9502
MRPL47	-0.73819	-0.21441	-1.80755	0.085844	0.161124	-4.95077
DPYD	-0.86587	0.233722	-1.80748	0.085856	0.161124	-4.95088
IFNAR1	-0.5598	-0.02009	-1.80677	0.085971	0.161321	-4.95202
ANKRD7	0.33301	-0.23082	1.806408	0.086029	0.161404	-4.95259

C10orf96	-0.67733	0.408768	-1.80639	0.086031	0.161404	-4.95261
SLC5A10	0.695991	-0.2974	1.777572	0.0916	0.169337	-4.95296
ABCC1	-0.47516	0.571003	-1.80617	0.086068	0.161441	-4.95297
ARL6IP1	-0.58101	0.028304	-1.80579	0.086129	0.16154	-4.95357
NUP85	-0.28281	0.162538	-1.8057	0.086143	0.161552	-4.95371
APOBEC3G	-0.77963	0.392291	-1.80506	0.086246	0.161729	-4.95472
HIST1H2Bf	-0.54259	0.539517	-1.80476	0.086295	0.161789	-4.9552
MIB2	-0.32704	0.426593	-1.80455	0.086329	0.161838	-4.95553
EPHX2	0.922901	-0.31918	1.804419	0.08635	0.161862	-4.95574
CDC42EP2	0.553499	0.008421	1.804297	0.08637	0.161868	-4.95594
CASKIN2	0.514912	-0.56305	1.803596	0.086483	0.162065	-4.95705
C7orf61	-0.51701	0.635879	-1.80339	0.086517	0.162113	-4.95738
SHH	0.307966	-0.11316	1.803161	0.086554	0.162139	-4.95774
ALG13	0.393696	-0.29796	1.802789	0.086614	0.162233	-4.95833
LOC100131	0.435893	-0.28674	1.798068	0.08819	0.16457	-4.95861
HAVCR1	0.352155	-0.29535	1.802561	0.086651	0.162286	-4.95869
KIR3DL3	0.462799	-0.50018	1.699556	0.115255	0.202176	-4.95871
SAP18	-0.17611	-0.05615	-1.80229	0.086696	0.162342	-4.95913
B3GNT5	-0.69288	0.225596	-1.80227	0.086697	0.162342	-4.95914
LMBRD2	-0.48557	0.095	-1.80192	0.086755	0.162419	-4.95971
LYZ	-1.26804	0.993819	-1.80142	0.086836	0.16254	-4.9605
IKZF4	-0.65559	0.474245	-1.80115	0.086879	0.162605	-4.96092
HMOX1	0.600812	-0.54645	1.800847	0.08693	0.162684	-4.96141
CT45A1	0.342319	-0.01804	1.795789	0.088563	0.165032	-4.96219
NOXRED1	0.614265	-0.11187	1.799926	0.087079	0.162917	-4.96287
LOC100651	-0.54413	0.995585	-1.79987	0.087089	0.16292	-4.96296
C1orf116	0.624816	-0.20603	1.799153	0.087205	0.163106	-4.96409
MAPKBP1	-0.35267	0.358691	-1.79909	0.087215	0.163109	-4.96419
STX17	0.261975	-0.08314	1.798898	0.087247	0.163153	-4.96449
PPP1R1B	0.47504	-0.18128	1.798799	0.087263	0.163168	-4.96465
PCDHGC4	-0.65087	0.33479	-1.79391	0.088873	0.165482	-4.96515
TPM2	0.669917	-0.11485	1.798392	0.08733	0.163268	-4.96529
LOC100509	0.352377	-0.16789	1.798369	0.087333	0.163268	-4.96533
NAV1	-0.29499	0.058999	-1.7983	0.087344	0.163272	-4.96543
PTH	0.496729	-0.0913	1.793683	0.08891	0.165529	-4.9655
PPM1A	-0.50303	-0.18645	-1.79813	0.087373	0.16331	-4.96571
VPS45	-0.4467	0.506145	-1.79805	0.087385	0.163318	-4.96583
AKAP4	0.763481	-0.8883	1.787749	0.090792	0.168178	-4.96621
L1CAM	0.408398	-0.15055	1.797564	0.087465	0.163451	-4.9666
PEX1	-0.44913	0.014162	-1.79747	0.08748	0.163452	-4.96675
KHSRP	0.332762	-0.0564	1.797459	0.087482	0.163452	-4.96677
NSUN3	-0.35244	-0.17402	-1.79664	0.087617	0.163688	-4.96807
BTN1A1	-0.32188	0.135023	-1.79649	0.087641	0.163717	-4.9683
NBPF11	-0.34619	0.066753	-1.79568	0.087773	0.163949	-4.96958
ZDHHC13	-0.34462	0.043603	-1.79543	0.087815	0.164011	-4.96998
C4orf26	0.253353	-0.16225	1.795025	0.087881	0.164116	-4.97062
TUG1	-0.42199	0.175315	-1.79499	0.087888	0.164116	-4.97068

USP45	-0.54255	0.058137	-1.7902	0.089485	0.166347	-4.97096
COPB1	-0.8267	0.442223	-1.79473	0.087929	0.164178	-4.97108
HTR2C	-0.75773	0.403577	-1.79459	0.087953	0.164207	-4.97131
POU2AF1	-0.62952	0.830866	-1.79453	0.087962	0.164208	-4.9714
HEATR4	-0.26073	-0.01417	-1.78981	0.089549	0.166438	-4.97158
GYS2	-0.4303	0.046681	-1.78926	0.089642	0.166551	-4.97245
TCEB3B	-0.47431	-0.09989	-1.79362	0.088112	0.164472	-4.97284
OR12D2	0.322689	-0.26965	1.793508	0.088131	0.164491	-4.97302
ADAM5P	0.578779	-0.18012	1.793356	0.088155	0.164522	-4.97326
PTRHD1	-0.40806	-0.04206	-1.7931	0.088198	0.16457	-4.97366
NCK1	-0.34974	0.007841	-1.79265	0.088271	0.164691	-4.97437
CS	-0.81307	0.979083	-1.79256	0.088287	0.164705	-4.97452
TAF1	-0.61193	0.132401	-1.79237	0.088318	0.164747	-4.97481
CYP20A1	-0.66326	0.666769	-1.79223	0.088341	0.164775	-4.97504
GNRHR2	0.665327	-0.60115	1.61889	0.129713	0.221182	-4.97524
PCP4L1	0.332944	-0.21746	1.7921	0.088363	0.164799	-4.97524
CDK5R1	-0.15802	0.012756	-1.79204	0.088373	0.164803	-4.97534
KTI12	0.787188	0.081319	1.787112	0.089999	0.167059	-4.97582
SLC25A22	-0.7695	0.727949	-1.79149	0.088464	0.164956	-4.97621
TIMM17A	-0.38281	0.105695	-1.79137	0.088483	0.164975	-4.97639
KCNA4	-0.50253	-0.08863	-1.79117	0.088516	0.164976	-4.97671
GFRA1	-0.31179	-0.00676	-1.79117	0.088517	0.164976	-4.97671
FBP2	0.506079	-0.00033	1.791028	0.08854	0.165003	-4.97693
RPS7P5	-0.97849	-0.18659	-1.70682	0.11014	0.195161	-4.97697
RECK	0.583335	-0.64283	1.790319	0.088657	0.165178	-4.97805
YBX2	0.315853	-0.28676	1.790308	0.088659	0.165178	-4.97807
DKFZP586f	0.86974	-1.19805	1.537373	0.152798	0.251481	-4.9781
AGXT2	-0.15627	0.022958	-1.78989	0.088728	0.165281	-4.97873
ZNF362	0.309507	-0.08376	1.789873	0.088731	0.165281	-4.97876
FSTL5	-0.25389	-0.08748	-1.78966	0.088766	0.165331	-4.97909
KLHL24	-0.491	0.119051	-1.78954	0.088787	0.165353	-4.97929
SUCLG2	0.345967	-0.5828	1.789181	0.088845	0.165447	-4.97985
FBXO4	-0.65398	0.197431	-1.7789	0.092277	0.17038	-4.97998
OR5F1	-0.40222	0.005666	-1.78876	0.088915	0.165529	-4.98051
GAFA1	0.433072	-0.34706	1.763442	0.097072	0.177279	-4.98054
KRAS	-0.78264	0.789284	-1.78824	0.089002	0.165675	-4.98133
NDOR1	0.266337	-0.16034	1.787708	0.08909	0.165824	-4.98217
TK1	-0.5768	0.622703	-1.78761	0.089106	0.165838	-4.98232
ATG4C	-0.416	0.210505	-1.78753	0.08912	0.165848	-4.98245
PERP	0.623536	-0.38901	1.601262	0.137969	0.231989	-4.98319
LEFTY1	0.8589	-0.13555	1.786934	0.089219	0.166008	-4.98339
CPEB4	-0.75092	0.595716	-1.78691	0.089223	0.166008	-4.98343
CLK1	-0.90407	0.521855	-1.78666	0.089265	0.16607	-4.98383
C14orf56	0.623602	-0.32532	1.59181	0.142929	0.238588	-4.98387
CSN1S2AP	0.493434	-0.53472	1.742257	0.100811	0.18251	-4.98389
RNF8	-0.30628	0.323652	-1.7862	0.08934	0.166179	-4.98454
SYCE1	0.56355	-0.37682	1.757143	0.095111	0.174545	-4.98465

DLEU7	0.390918	-0.05547	1.785924	0.089387	0.16625	-4.98498
CBX1	-0.43584	0.612328	-1.78587	0.089396	0.166251	-4.98507
TMX4	-0.48837	0.292127	-1.78565	0.089432	0.166303	-4.98541
PLCH2	0.509366	0.028655	1.785351	0.089482	0.166347	-4.98588
MYL6	-0.51356	0.052747	-1.78531	0.089489	0.166347	-4.98595
KCTD1	0.359089	-0.33213	1.785306	0.08949	0.166347	-4.98595
ANP32B	-0.30959	0.206649	-1.78491	0.089556	0.166438	-4.98658
AKTIP	-0.41536	0.126457	-1.78468	0.089594	0.166477	-4.98693
OR11G2	0.449632	-0.43285	1.78399	0.08971	0.166661	-4.98803
RPN1	-0.28466	0.077929	-1.78385	0.089733	0.166681	-4.98825
APOA1BP	0.477985	-0.13256	1.783823	0.089738	0.166681	-4.98829
LANCL2	-0.40266	0.425774	-1.78347	0.089797	0.166775	-4.98885
DSP	1.030474	-0.26031	1.668267	0.116184	0.203404	-4.98916
RFPL2	0.559683	-0.46382	1.766125	0.095469	0.175118	-4.98924
RGL1	0.479486	-0.68817	1.78285	0.0899	0.166952	-4.98982
GPR155	-0.55267	0.208928	-1.78247	0.089964	0.167054	-4.99042
KRT8	0.454976	-0.22303	1.782325	0.089988	0.167059	-4.99064
FAM76A	-0.65049	0.507965	-1.78224	0.090003	0.167059	-4.99078
STAG3	-0.345	0.242909	-1.7822	0.090009	0.167059	-4.99084
NFX1	-0.24671	0.191399	-1.78202	0.09004	0.1671	-4.99113
CEACAM7	-0.42569	0.158937	-1.78186	0.090066	0.167133	-4.99138
THOC2	-0.40179	0.117815	-1.78158	0.090113	0.167204	-4.99181
NUP88	-0.44393	0.488788	-1.77647	0.091786	0.169627	-4.99245
COMP	0.494795	-0.30987	1.776441	0.091791	0.169627	-4.9925
EXD3	0.419756	0.147506	1.780796	0.090245	0.167433	-4.99305
SERPINF1	0.691107	-0.18621	1.780394	0.090313	0.167542	-4.99368
LMOD2	0.329002	-0.10346	1.780344	0.090321	0.167542	-4.99376
TMC5	-0.90223	0.240054	-1.66892	0.114745	0.201552	-4.99392
LSM1	-0.49194	-0.1229	-1.78005	0.090371	0.167619	-4.99423
LOC100506	0.388057	-0.25818	1.779629	0.090441	0.167734	-4.99488
C1orf168	0.537972	-0.04646	1.779461	0.090469	0.16777	-4.99515
PREPL	-0.5492	0.17074	-1.77941	0.090478	0.16777	-4.99523
ANKRD36B	0.55055	-0.3253	1.750246	0.096323	0.17624	-4.99529
SLC22A5	-0.50525	0.423211	-1.77924	0.090507	0.167783	-4.9955
C14orf80	0.303278	-0.00402	1.779216	0.090511	0.167783	-4.99553
PCF11	-0.45758	0.385165	-1.77914	0.090524	0.167783	-4.99566
UBE2L3	-0.39223	0.308374	-1.77911	0.090528	0.167783	-4.99569
GLB1	-0.3438	0.368762	-1.77884	0.090575	0.167854	-4.99613
METTL17	-0.23413	0.016891	-1.7784	0.090648	0.167974	-4.99681
TMEM9	0.322268	-0.17095	1.778143	0.090692	0.168039	-4.99722
ERCC4	-0.47049	0.043973	-1.77808	0.090702	0.168042	-4.99731
VIM	-0.51491	0.43058	-1.77738	0.09082	0.168214	-4.99841
CITED4	-0.48808	0.888843	-1.77733	0.09083	0.168215	-4.9985
KLHL28	0.305725	-0.57105	1.777258	0.090841	0.168221	-4.99861
LOC145837	-0.343	-0.18788	-1.77247	0.092466	0.170518	-4.9987
UGDH	-1.0671	0.628083	-1.77698	0.090889	0.168293	-4.99905
F2RL1	-1.23417	1.039538	-1.77629	0.091005	0.16849	-5.00013

LOC10065:	0.401046	-0.21005	1.776053	0.091045	0.168534	-5.0005
LOC10012:	0.726171	-0.19244	1.77111	0.092698	0.170884	-5.00081
DHCR7	-0.65232	0.189448	-1.77577	0.091093	0.168607	-5.00094
ANPEP	-0.72451	0.695659	-1.77563	0.091116	0.168634	-5.00116
CCL16	0.395048	-0.57764	1.741987	0.0987	0.179575	-5.00141
TTC9	-0.17465	0.034931	-1.77545	0.091147	0.168676	-5.00144
TMEM128	-0.58538	-0.17067	-1.73657	0.100691	0.18236	-5.00184
WDR77	0.374538	-0.26191	1.775158	0.091197	0.168751	-5.0019
MAN2A2	-0.47634	0.337113	-1.77493	0.091235	0.168792	-5.00225
GVINP1	-0.55122	0.255059	-1.77488	0.091244	0.168792	-5.00234
HKR1	-0.30575	0.371603	-1.77471	0.091272	0.168827	-5.0026
HOXB4	-0.26806	0.222436	-1.77462	0.091288	0.168841	-5.00275
NAA38	-0.83004	0.22931	-1.76403	0.094819	0.17409	-5.00299
MRC2	0.525376	-0.05166	1.774248	0.091351	0.168941	-5.00333
THRSP	-0.53613	0.260844	-1.7484	0.099714	0.180891	-5.00337
LOC33980:	-0.72744	0.247073	-1.77401	0.091391	0.168999	-5.00369
SERPINA7	0.431102	-0.1774	1.773525	0.091474	0.169137	-5.00446
PLCL2	-0.54633	0.554687	-1.77345	0.091486	0.169144	-5.00458
GJB4	-0.35041	0.000588	-1.76803	0.093225	0.171743	-5.0056
C9orf4	-0.36423	0.017957	-1.73882	0.099269	0.180316	-5.00624
C17orf69	0.29707	-0.21229	1.77227	0.091688	0.169484	-5.00643
IGLL1	-0.6512	1.172764	-1.7717	0.091785	0.169627	-5.00732
SLC25A4	0.472524	-0.15881	1.771293	0.091854	0.169727	-5.00796
PGPEP1	-0.33793	0.021342	-1.77123	0.091866	0.169733	-5.00806
MMS22L	-0.48624	0.088461	-1.77109	0.091888	0.169749	-5.00827
MTCP1NB	-0.33906	0.014869	-1.77107	0.091892	0.169749	-5.0083
TMEM50B	-0.63734	-0.2685	-1.76982	0.092105	0.170127	-5.01026
C15orf62	0.337307	0.038617	1.769716	0.092124	0.170145	-5.01043
PCDHGA2	0.406274	-0.42949	1.768998	0.092247	0.170356	-5.01155
LOC10013:	0.440426	-0.36769	1.76418	0.093889	0.172738	-5.01159
FMNL1	-0.47382	0.703084	-1.76888	0.092266	0.170376	-5.01173
LINC00256	-0.68797	0.434771	-1.76854	0.092324	0.170451	-5.01226
RAMP2	0.271978	-0.09186	1.768469	0.092337	0.170455	-5.01238
TSPAN13	-0.46876	0.129703	-1.76838	0.092352	0.170455	-5.01251
KCNC4	0.365051	-0.17743	1.768381	0.092352	0.170455	-5.01251
OSR1	-0.3538	0.077991	-1.76337	0.094028	0.172929	-5.01284
LOC10050:	-0.26901	0.086676	-1.76815	0.092391	0.170495	-5.01287
FBXO45	-0.56474	0.101503	-1.75747	0.095961	0.175816	-5.01311
ZNRD1	-0.27261	0.025825	-1.768	0.092418	0.170498	-5.01312
TNFRSF12A	-0.48823	0.340195	-1.76797	0.092422	0.170498	-5.01315
PDE7A	-0.65393	0.254717	-1.76794	0.092428	0.170498	-5.0132
SCML1	-0.71379	0.363053	-1.76781	0.09245	0.170507	-5.01341
ZNF514	-0.47185	0.404388	-1.76767	0.092474	0.170518	-5.01362
SECISBP2L	-0.32624	0.182289	-1.76751	0.092501	0.170544	-5.01387
DGCR14	-0.22569	0.293462	-1.76749	0.092505	0.170544	-5.01391
RALYL	0.503262	-0.259	1.736906	0.098705	0.179575	-5.01579
PAIP2	-0.44519	-0.1177	-1.76439	0.093038	0.171479	-5.01875

ATG4B	-0.63215	0.603447	-1.76406	0.093095	0.171561	-5.01926
BIRC7	0.231653	-0.08112	1.764031	0.093101	0.171561	-5.01931
A1BG	0.510651	-0.44548	1.763774	0.093145	0.171627	-5.01971
SVIL	-0.62565	0.294037	-1.7635	0.093192	0.171698	-5.02014
PACS2	-0.43201	0.650845	-1.76319	0.093246	0.171764	-5.02062
LCLAT1	-0.47191	-0.03505	-1.76304	0.093271	0.171795	-5.02085
C3orf33	0.75278	-0.42482	1.733452	0.099329	0.180409	-5.02108
GABBR2	0.570338	-0.42037	1.733381	0.099342	0.180409	-5.02119
PFDN6	0.361259	-0.15721	1.762811	0.093311	0.171853	-5.02122
MIR155HG	-0.48078	0.178806	-1.72889	0.101072	0.182829	-5.02136
TBC1D22B	-0.29718	0.362404	-1.76247	0.09337	0.171945	-5.02175
LOC100651	1.558001	-0.80477	1.73262	0.09948	0.180584	-5.02235
SLC38A6	-0.48396	-0.16015	-1.73256	0.099492	0.180587	-5.02244
RFT1	-0.48876	0.315476	-1.7617	0.093504	0.172175	-5.02295
LMLN	0.468247	-0.05422	1.761595	0.093522	0.172192	-5.02311
MRPS11	-0.47455	0.281931	-1.7606	0.093695	0.172478	-5.02467
GPRIN2	0.406826	-0.51478	1.760459	0.093719	0.172506	-5.02488
PRKAB2	-0.32839	0.332109	-1.76019	0.093766	0.172561	-5.02531
ZNRF2	-0.50821	0.235676	-1.7495	0.097363	0.177706	-5.02536
PDE1C	0.701323	-0.47437	1.749463	0.097369	0.177706	-5.02542
TRIM40	0.761722	-0.28267	1.589869	0.132902	0.225365	-5.02595
ATP6V1E2	-0.46625	0.414936	-1.75957	0.093873	0.172729	-5.02626
GRAP	-0.65575	0.912911	-1.75956	0.093875	0.172729	-5.02629
SRXN1	0.664602	-0.19596	1.759242	0.093931	0.172798	-5.02678
C9orf114	-0.34163	0.493674	-1.75917	0.093943	0.172805	-5.02689
ZNF678	0.459571	-0.317	1.759017	0.09397	0.172838	-5.02713
FARSA	0.346136	0.100869	1.758568	0.094048	0.172949	-5.02783
SSX4B	-0.74192	-0.01565	-1.74782	0.09766	0.178137	-5.02794
GTF3C4	-0.32708	0.331535	-1.75847	0.094065	0.172964	-5.02798
CMTM5	0.655659	-0.14911	1.757902	0.094164	0.17313	-5.02887
ACTN1	-0.51383	0.865318	-1.75762	0.094213	0.173205	-5.02931
LOC100121	-0.58588	0.226656	-1.75227	0.095966	0.175816	-5.03004
TMEM186	-0.28272	0.164223	-1.75681	0.094355	0.173449	-5.03057
WDR64	-0.57389	0.161407	-1.75177	0.096054	0.175945	-5.03081
MGLL	0.729165	-0.14787	1.756504	0.094408	0.17353	-5.03104
C2orf29	-0.3013	0.057713	-1.75608	0.094482	0.17365	-5.03171
PIK3C2B	0.610356	-0.26932	1.75578	0.094534	0.17373	-5.03217
KRT40	0.187787	-0.03953	1.750707	0.096242	0.17614	-5.03246
RAB30	-0.56764	0.630804	-1.75524	0.094629	0.173887	-5.03301
RGS6	0.317335	0.028033	1.755109	0.094652	0.173913	-5.03321
TRIM42	0.263977	-0.20438	1.754988	0.094673	0.173936	-5.0334
TET2	-0.79377	0.133911	-1.75492	0.094685	0.173942	-5.03351
SYCP2	-0.2016	0.040321	-1.75485	0.094697	0.173947	-5.03361
GATA4	0.403253	-0.22867	1.754738	0.094717	0.173967	-5.03379
HSPG2	0.260923	-0.01149	1.754304	0.094793	0.174085	-5.03447
ABHD16B	0.225993	-0.23305	1.754271	0.094799	0.174085	-5.03452
AKR7A2	0.448025	0.018814	1.754172	0.094816	0.17409	-5.03467

CLTA	-0.17684	0.021845	-1.75363	0.094911	0.174233	-5.03551
ALDH16A1	0.406757	0.107509	1.753609	0.094915	0.174233	-5.03555
HIAT1	-0.81579	0.701404	-1.75332	0.094965	0.174309	-5.03599
C17orf103	0.546799	-0.30964	1.75273	0.095069	0.174484	-5.03691
CA12	0.446488	-0.12703	1.741406	0.098805	0.179706	-5.03776
LOC28424	0.220226	-0.03224	1.752003	0.095197	0.174686	-5.03804
MMP1	0.589957	-0.45673	1.751337	0.095314	0.174884	-5.03908
FRA10AC1	-0.353	0.068875	-1.7461	0.097057	0.177269	-5.03956
CLDN16	-0.35668	0.102503	-1.75069	0.095428	0.175077	-5.04008
CLCN4	0.363453	-0.2148	1.750566	0.09545	0.175101	-5.04027
TUBA4A	-0.39275	0.571061	-1.75032	0.095494	0.175148	-5.04066
SH3BP4	-0.29038	0.270035	-1.75022	0.095512	0.175165	-5.04082
APOL1	-0.95678	0.674891	-1.75012	0.095529	0.175179	-5.04096
GJA5	-0.4529	-0.1114	-1.72038	0.101724	0.183738	-5.04102
C16orf62	-0.31521	0.243952	-1.74942	0.095653	0.175374	-5.04205
EIF5A2	-0.39273	0.137487	-1.7493	0.095673	0.175395	-5.04223
ERAL1	0.333068	0.0396	1.748976	0.095731	0.175484	-5.04274
TERF2IP	0.247926	-0.1073	1.748928	0.09574	0.175484	-5.04282
INSRR	0.330182	-0.1223	1.714578	0.103717	0.186564	-5.04303
SIRT6	0.249568	-0.26343	1.748651	0.095789	0.175557	-5.04325
FAM9C	-0.80444	0.419843	-1.74792	0.095918	0.175778	-5.04438
RNF213	-0.75837	0.793225	-1.74776	0.095946	0.175813	-5.04462
PAIP1	-0.5088	-0.17133	-1.71799	0.102168	0.184404	-5.04466
DRAP1	-0.28217	0.055755	-1.74688	0.096103	0.176009	-5.046
ZC3H18	-0.51296	0.631061	-1.74684	0.096109	0.176009	-5.04605
CRNKL1	-0.65862	0.498681	-1.7468	0.096116	0.176009	-5.04611
KIF3A	-0.43275	0.301791	-1.74636	0.096194	0.176136	-5.04679
CMC1	-0.42228	0.160985	-1.74629	0.096207	0.17614	-5.0469
RPL41	1.078615	-1.32718	1.746237	0.096217	0.17614	-5.04699
HECW1	0.568062	-0.47502	1.716401	0.102464	0.184801	-5.04707
RALA	-0.41638	0.088339	-1.74614	0.096234	0.17614	-5.04714
PAPSS2	0.602182	0.248843	1.746129	0.096236	0.17614	-5.04716
DHX37	0.318853	-0.07339	1.746041	0.096251	0.176142	-5.04729
CHSY1	-0.5947	0.066937	-1.74587	0.096281	0.17618	-5.04755
LOC100501	-0.37839	-0.22839	-1.74082	0.098001	0.178593	-5.0477
BPIFB3	-0.26665	0.074805	-1.74447	0.096531	0.176604	-5.04973
SMAP1	-0.46588	0.175844	-1.74433	0.096555	0.176631	-5.04994
TRADD	0.256089	-0.19705	1.744115	0.096594	0.176686	-5.05027
SYS1	-0.27718	0.220558	-1.74382	0.096647	0.17676	-5.05074
SUV39H1	0.282768	0.04879	1.743783	0.096653	0.17676	-5.05079
CIB2	0.23943	-0.14501	1.743738	0.096661	0.17676	-5.05086
VTCN1	-0.5578	0.086104	-1.74349	0.096705	0.176824	-5.05124
LRRK2	-0.83592	0.354906	-1.74319	0.096759	0.176906	-5.05171
MCCC2	-0.52048	0.488733	-1.74301	0.096792	0.176949	-5.05199
C17orf76	-0.41779	0.17146	-1.74295	0.096802	0.176951	-5.05208
C10orf81	0.514553	0.072112	1.742853	0.096819	0.176966	-5.05223
RPS4Y1	-2.54414	-0.31499	-1.59277	0.139865	0.234592	-5.05229

ZG16B	0.619097	-0.30121	1.742484	0.096885	0.17707	-5.0528
DEFA6	-0.26763	0.176217	-1.73747	0.098603	0.179439	-5.05284
LOC642855	-0.38461	0.229876	-1.74242	0.096897	0.177074	-5.0529
PRMT5	-0.42766	0.520302	-1.74222	0.096933	0.177124	-5.05321
C6orf58	0.549292	-0.07405	1.742082	0.096957	0.177152	-5.05342
COX8A	-0.36306	0.182196	-1.74194	0.096983	0.177173	-5.05365
TRIO	-0.41377	0.67018	-1.74191	0.096988	0.177173	-5.05369
C7orf34	0.6207	0.183573	1.741864	0.096996	0.177173	-5.05376
OBP2A	0.306884	-0.29151	1.741098	0.097133	0.177374	-5.05494
MRPL15	-0.56688	0.089302	-1.74102	0.097146	0.177382	-5.05506
ERAP1	0.517087	0.128265	1.740506	0.097239	0.177535	-5.05586
DBIL5P	0.489098	-0.05316	1.735395	0.098978	0.179904	-5.05603
TADA2B	-0.50644	0.296856	-1.74011	0.097309	0.177637	-5.05647
ACOT2	0.565179	-0.18632	1.740092	0.097313	0.177637	-5.0565
MIP	0.299775	-0.37262	1.709743	0.103711	0.186564	-5.05717
ITIH1	0.370334	-0.10823	1.739562	0.097408	0.177761	-5.05732
IL12RB1	-0.40834	0.327835	-1.7393	0.097456	0.177831	-5.05773
NUDT7	-0.7812	0.317948	-1.69917	0.107656	0.191783	-5.05804
NUDC	0.270817	-0.00096	1.738913	0.097525	0.177941	-5.05832
DTX2	-0.38521	0.343545	-1.73843	0.097612	0.178083	-5.05907
XRCC5	-0.62393	0.481743	-1.73333	0.099352	0.180409	-5.0592
UBE2S	-0.36482	0.419026	-1.73824	0.097645	0.178127	-5.05935
PHF5A	-0.7054	0.287649	-1.73786	0.097714	0.178219	-5.05994
LAMB4	0.445238	0.009095	1.737808	0.097724	0.17822	-5.06003
FAM163A	0.628869	-0.2496	1.70757	0.104121	0.187101	-5.06046
LOC728543	0.328263	-0.06565	1.737396	0.097798	0.178322	-5.06066
LOC646976	0.647271	-0.1232	1.737396	0.097798	0.178322	-5.06066
TTC16	0.70121	-0.4081	1.73721	0.097831	0.178367	-5.06095
COBLL1	-0.55514	0.158561	-1.73709	0.097854	0.178391	-5.06114
GIGYF1	-0.42022	0.462816	-1.73694	0.09788	0.178422	-5.06137
MYCBPAP	0.522661	0.047563	1.736869	0.097893	0.178429	-5.06148
CENPC1	-0.40098	0.216226	-1.73632	0.097992	0.178593	-5.06232
DDX25	0.576413	-0.58413	1.701586	0.106171	0.189844	-5.06259
CASP8AP2	-0.65583	-0.05639	-1.70574	0.104467	0.187533	-5.06323
ABRA	-0.58965	0.134693	-1.73064	0.09984	0.181068	-5.06331
TMEM187	0.480481	-0.1352	1.735668	0.09811	0.178774	-5.06333
C2orf63	0.521825	-0.05059	1.735522	0.098136	0.178798	-5.06356
STX5	0.238761	-0.07135	1.735493	0.098141	0.178798	-5.0636
ZNF551	-0.59189	0.562678	-1.73536	0.098164	0.178824	-5.0638
FRMD6	-0.51227	0.149849	-1.73526	0.098183	0.178831	-5.06396
SLC30A5	-0.39937	-0.06626	-1.73524	0.098186	0.178831	-5.06399
FUT11	0.193837	-0.24212	1.734845	0.098258	0.17893	-5.0646
DERL3	-0.54537	0.615527	-1.73484	0.098259	0.17893	-5.06461
NDRG3	-0.58459	0.164577	-1.72939	0.100068	0.181365	-5.06523
CSH2	-0.35451	0.243523	-1.7343	0.098356	0.179091	-5.06544
TOMM20L	0.332087	-0.24976	1.734192	0.098376	0.179111	-5.06561
CHID1	0.321656	-0.01487	1.733769	0.098453	0.179215	-5.06626

CENPI	-0.47455	0.042665	-1.73376	0.098455	0.179215	-5.06628
RNF111	-0.52306	-0.04111	-1.73372	0.098461	0.179215	-5.06633
SLCO4C1	-0.73454	0.638886	-1.72811	0.100302	0.181721	-5.06719
ZFP1	0.401634	-0.02016	1.72198	0.102341	0.184648	-5.06736
DAZAP2	0.283975	-0.42535	1.732987	0.098595	0.179439	-5.06746
PSME1	-0.42471	0.421776	-1.73267	0.098653	0.179513	-5.06796
OR6K2	0.419826	-0.27134	1.732319	0.098716	0.179579	-5.06849
LOC72843:	-0.37463	0.15724	-1.73195	0.098782	0.179682	-5.06906
NMBR	0.701228	-0.46917	1.720713	0.102576	0.184935	-5.06929
KNG1	-0.38084	-0.01432	-1.73155	0.098856	0.179784	-5.06968
ZNF668	0.284842	-0.0241	1.731369	0.098889	0.179826	-5.06996
ACADM	-0.72917	0.282468	-1.73113	0.098933	0.179868	-5.07033
MAST2	-0.34897	0.613102	-1.73112	0.098933	0.179868	-5.07033
CTSL1	-0.54118	0.041368	-1.73108	0.098941	0.179868	-5.0704
VWDE	0.277296	-0.22191	1.731039	0.098949	0.179868	-5.07047
CYC1	0.268355	-0.23639	1.730615	0.099026	0.179975	-5.07112
FMNL3	-0.44548	0.344188	-1.73013	0.099114	0.180102	-5.07186
C20orf203	-0.48312	0.273449	-1.72487	0.100897	0.18263	-5.07215
PPA1	-0.65695	0.408517	-1.72482	0.100906	0.18263	-5.07222
KCND1	-1.13336	1.502067	-1.72989	0.099158	0.180165	-5.07223
NACA2	-0.63519	0.91835	-1.72936	0.099255	0.180316	-5.07305
CASC3	0.376771	-0.15769	1.729322	0.099261	0.180316	-5.07311
CCDC80	-0.40074	0.075398	-1.69914	0.105723	0.189199	-5.0732
LOC10013:	-0.36947	0.017186	-1.72393	0.101069	0.182829	-5.07358
ARHGEF7	-0.30775	0.121124	-1.7288	0.099357	0.180409	-5.07391
TUBA3C	-0.27232	0.192107	-1.72873	0.09937	0.180417	-5.07402
BRWD1	-0.50589	0.599172	-1.72834	0.09944	0.180527	-5.07461
GRAMD1B	-0.79729	1.044602	-1.72774	0.09955	0.180677	-5.07554
OSTBETA	0.287936	-0.35977	1.69755	0.106029	0.189642	-5.0756
IRAK1BP1	0.361039	0.022838	1.722569	0.10132	0.183194	-5.07566
CDH11	-0.55484	0.218637	-1.72754	0.099587	0.180726	-5.07585
MYL1	0.822225	-0.79698	1.601779	0.131735	0.223947	-5.07607
TNS3	0.520514	0.032466	1.727303	0.09963	0.180789	-5.07621
RSF1	-0.70393	0.598382	-1.72706	0.099675	0.180853	-5.07659
NCOA5	-0.37452	0.401454	-1.72687	0.09971	0.180891	-5.07688
NTRK3	-0.3466	-0.06698	-1.72651	0.099775	0.180968	-5.07743
XXYL1	0.33254	-0.25127	1.726512	0.099775	0.180968	-5.07743
SOX5	0.601366	-0.11521	1.726006	0.099868	0.181103	-5.07821
SACM1L	-0.61061	-0.17148	-1.72589	0.099889	0.181109	-5.07838
LOC10028:	-0.59225	1.179205	-1.72589	0.09989	0.181109	-5.07839
GK5	-0.59178	0.232985	-1.6956	0.106403	0.190085	-5.07853
SCNN1G	0.366446	-0.21855	1.725715	0.099921	0.181149	-5.07866
PCTP	-0.38214	0.224096	-1.72539	0.099981	0.18124	-5.07915
AJAP1	-0.68495	0.392048	-1.72531	0.099995	0.181249	-5.07927
MYOT	0.549371	-0.60232	1.645164	0.124135	0.213937	-5.07994
SYCE2	0.630151	-0.41679	1.598723	0.132414	0.224771	-5.08032
EHBP1L1	-0.38346	0.424616	-1.72421	0.100199	0.181584	-5.08097

EIF2S2	-0.63487	0.501837	-1.72407	0.100224	0.181614	-5.08118
LLGL1	0.206758	-0.15264	1.723952	0.100245	0.181635	-5.08136
CCL15	0.388816	-0.53781	1.718605	0.102054	0.184249	-5.08171
MAGEA4	0.382078	-0.45133	1.718535	0.102067	0.184255	-5.08182
OR51Q1	-0.42233	0.079712	-1.68807	0.108777	0.193427	-5.08282
MVD	-0.31411	0.25207	-1.72298	0.100425	0.181925	-5.08286
NEUROG2	-0.31463	0.066239	-1.71738	0.102281	0.184556	-5.08357
PRLR	0.20207	-0.0449	1.710868	0.104413	0.187471	-5.08419
FCGRT	0.274313	-0.06766	1.721577	0.100683	0.18236	-5.08501
GALNT7	-0.46475	-0.08715	-1.7213	0.100734	0.18242	-5.08543
ZNF664	0.488868	-0.17137	1.721074	0.100776	0.182479	-5.08578
CGB1	0.42433	-0.48579	1.720956	0.100798	0.182502	-5.08596
CD37	-0.39711	0.522104	-1.72077	0.100832	0.182531	-5.08625
APOL5	0.334345	-0.27997	1.715343	0.102662	0.185038	-5.08668
TNKS	-0.29659	0.075963	-1.72008	0.10096	0.182711	-5.0873
HDHD2	0.381321	-0.52942	1.719627	0.101044	0.182829	-5.088
CYP4A11	0.344227	-0.35724	1.719615	0.101046	0.182829	-5.08801
MBP	0.567535	0.276634	1.719551	0.101058	0.182829	-5.08811
C12orf44	-0.2607	0.179828	-1.71935	0.101095	0.182853	-5.08842
SALL3	-0.47234	0.135444	-1.71852	0.101249	0.183115	-5.08969
TTBK2	-0.26626	0.248652	-1.71842	0.101267	0.183122	-5.08984
PCNX	-0.55706	0.404972	-1.7184	0.101271	0.183122	-5.08987
GRM7	-0.38663	0.330762	-1.71784	0.101375	0.183275	-5.09073
LRAT	0.307495	-0.14053	1.717575	0.101424	0.183338	-5.09114
PTGS2	0.754863	-0.7529	1.717556	0.101428	0.183338	-5.09117
POM121L8	0.472191	-0.3342	1.717184	0.101497	0.183446	-5.09174
DKK2	-0.36357	0.219222	-1.71199	0.103288	0.185945	-5.09177
CCNY	-0.38894	0.253848	-1.71684	0.101561	0.183536	-5.09227
HIST1H2AC	-0.68976	0.266429	-1.71682	0.101566	0.183536	-5.0923
SLC25A10	-0.48384	0.594811	-1.71648	0.101627	0.18363	-5.09281
KIF26B	0.562368	-0.07249	1.716372	0.101648	0.183651	-5.09298
ERV3-2	-0.85887	0.607278	-1.7163	0.101662	0.183658	-5.09309
ZNF192	-0.48969	-0.00683	-1.6974	0.107997	0.192267	-5.0933
HOXC8	-0.18026	0.017492	-1.71608	0.101703	0.183716	-5.09343
TADA1	-0.36054	0.038771	-1.71577	0.101761	0.183787	-5.09391
PGLYRP1	-0.73253	0.837208	-1.71522	0.101863	0.183954	-5.09474
C6orf35	-0.30726	0.042146	-1.71462	0.101975	0.184138	-5.09566
LOC100505	-0.26672	-0.00562	-1.71457	0.101983	0.184138	-5.09573
LOC780525	-0.41243	0.199026	-1.67297	0.112779	0.198838	-5.0969
B4GALT4	-0.61501	0.09269	-1.71359	0.102168	0.184404	-5.09724
TMEM65	0.471175	-0.49928	1.708325	0.103978	0.186922	-5.09734
FBXW4P1	-0.46699	0.550321	-1.71352	0.102181	0.184404	-5.09735
PIGN	-0.39688	0.008473	-1.71348	0.102187	0.184404	-5.0974
C5orf45	0.423774	0.035737	1.712543	0.102363	0.18467	-5.09883
VSX1	0.27214	-0.39552	1.712225	0.102423	0.184761	-5.09932
ABCC3	0.724623	0.148809	1.712042	0.102457	0.184801	-5.0996
C7orf62	0.974814	-0.65301	1.454713	0.168012	0.270793	-5.09972

RBMV2FP	0.3198	-0.23535	1.676526	0.111046	0.196517	-5.10002
HTATSF1P2	-1.07447	0.335514	-1.71168	0.102525	0.184888	-5.10015
TTY9A	0.544569	-0.21617	1.711649	0.102531	0.184888	-5.1002
ASPRV1	0.839027	0.271798	1.711504	0.102558	0.18492	-5.10042
SLC44A1	-0.61145	0.154614	-1.7113	0.102597	0.184956	-5.10074
ERAS	0.375321	-0.21168	1.711027	0.102648	0.18503	-5.10115
LOC339290	-0.6152	0.097156	-1.71076	0.102698	0.185088	-5.10156
OR2T5	-0.35813	-0.01576	-1.68015	0.109412	0.194221	-5.10172
CD3D	0.972191	-0.87907	1.71051	0.102745	0.185154	-5.10194
AXIN2	0.493444	-0.28426	1.710288	0.102786	0.185212	-5.10228
ACO2	0.283423	0.095009	1.710234	0.102797	0.185214	-5.10236
CIB4	0.480845	0.008653	1.704903	0.104626	0.187732	-5.10253
SRFBP1	-0.37782	0.043313	-1.70991	0.102858	0.185306	-5.10286
IRS2	0.334583	0.047408	1.709692	0.102899	0.185363	-5.10319
NDE1	-0.49044	0.765912	-1.70951	0.102932	0.185402	-5.10346
MKI67	-0.91157	0.85138	-1.70948	0.102939	0.185402	-5.10352
DDR2	-0.44136	0.135366	-1.67846	0.109745	0.194655	-5.10425
C2orf61	-0.42183	0.414021	-1.70892	0.103044	0.185574	-5.10437
XYLB	-0.57063	0.196501	-1.70849	0.103124	0.185701	-5.10501
SCAI	-0.56287	-0.0762	-1.70831	0.103158	0.185745	-5.10529
PTPLAD1	-0.33229	0.112768	-1.70803	0.103213	0.185826	-5.10573
THNSL2	0.983154	-0.28362	1.702498	0.105083	0.18838	-5.10617
SPATA16	-0.30694	0.063788	-1.70735	0.103341	0.186023	-5.10676
RAB6C	0.495241	-0.27973	1.676547	0.110124	0.19515	-5.10711
LOC100501	-0.58574	0.187667	-1.70691	0.103423	0.186153	-5.10743
ZNF469	0.546147	-0.22459	1.706862	0.103432	0.186153	-5.1075
PBX3	-0.45168	0.417226	-1.70677	0.10345	0.186168	-5.10765
EXOSC5	0.480429	-0.15965	1.706674	0.103468	0.186183	-5.10779
NS3BP	-0.70167	0.808185	-1.70644	0.103512	0.186246	-5.10815
STMN2	0.463115	-0.74886	1.705422	0.103705	0.186564	-5.1097
TM6SF1	0.356165	-0.21614	1.705279	0.103732	0.186564	-5.10992
GPR17	-0.41808	0.197758	-1.70525	0.103737	0.186564	-5.10995
AS3MT	0.571542	-0.36276	1.674625	0.110506	0.195713	-5.10998
RRP36	0.246674	-0.18141	1.704624	0.103856	0.186761	-5.11091
DNAJC30	0.425846	-0.04481	1.70452	0.103876	0.18678	-5.11107
CPSF4	0.240936	-0.16704	1.703966	0.103981	0.186922	-5.11191
PTPRS	0.311488	-0.17356	1.703919	0.10399	0.186922	-5.11199
CMA1	-0.48395	0.247808	-1.7039	0.103993	0.186922	-5.11201
ZC3H8	-0.49131	0.505011	-1.70345	0.104079	0.18706	-5.1127
SLC2A2	-0.3364	0.147789	-1.70334	0.104099	0.187079	-5.11286
LOC100495	0.345495	-0.03853	1.703092	0.104147	0.18713	-5.11324
C14orf48	0.330933	-0.13311	1.702839	0.104195	0.187199	-5.11363
PRORS1P	-0.55275	0.136215	-1.70252	0.104256	0.187281	-5.11412
TP73	0.258553	-0.14259	1.7025	0.104259	0.187281	-5.11414
LOC401841	-0.23647	0.154041	-1.70212	0.104332	0.187394	-5.11473
LOC100501	0.591911	-0.4434	1.702036	0.104348	0.187405	-5.11485
MED1	-0.27984	-0.03487	-1.70194	0.104366	0.187421	-5.115

TOB1	-0.41991	0.04856	-1.70178	0.104397	0.18746	-5.11525
PHB2	0.396539	-0.31307	1.701417	0.104466	0.187533	-5.11579
UNC5D	0.648886	-0.65456	1.689789	0.108443	0.192981	-5.1159
RPS18	0.873768	-0.81	1.701075	0.104531	0.187631	-5.11631
HERC1	-0.39044	0.321476	-1.70088	0.104568	0.18768	-5.11661
LRRC28	-0.3715	0.204665	-1.70077	0.104589	0.187701	-5.11678
BORA	-0.46951	0.197937	-1.7007	0.104602	0.187707	-5.11688
GFAP	0.375843	-0.04035	1.70045	0.10465	0.187759	-5.11726
ISG15	0.949979	-0.2313	1.700074	0.104722	0.18787	-5.11783
SMARCD2	-0.27947	0.27533	-1.69968	0.104797	0.187988	-5.11843
NOX3	-0.37816	0.015235	-1.69405	0.106703	0.190517	-5.11895
KIF1C	-0.42181	0.288025	-1.69916	0.104897	0.188141	-5.11922
SALL1	-0.16968	0.033936	-1.69913	0.104901	0.188141	-5.11926
LINGO4	0.248636	-0.21411	1.698934	0.10494	0.188192	-5.11956
S100A3	0.263815	-0.21811	1.693548	0.106799	0.190619	-5.1197
G6PC	0.456162	-0.3272	1.698624	0.104999	0.188282	-5.12004
C19orf52	-0.28413	0.226023	-1.69855	0.105014	0.188291	-5.12015
CP	0.530632	-0.18352	1.667618	0.111906	0.197682	-5.12042
LOC40102	0.377554	-0.25866	1.698347	0.105052	0.188342	-5.12046
PLRG1	-0.57251	0.225428	-1.69803	0.105113	0.188416	-5.12094
OPN1MW	0.261047	-0.27627	1.697618	0.105192	0.188529	-5.12156
SOCS2	-0.85229	0.529867	-1.6976	0.105195	0.188529	-5.12159
LOC10013	0.505356	-0.16446	1.697508	0.105213	0.188544	-5.12173
CPZ	-0.40553	-0.02995	-1.69198	0.107101	0.191037	-5.12206
PRCC	-0.46577	0.791724	-1.69714	0.105283	0.188652	-5.12228
LOC10050	-0.35976	0.055074	-1.6969	0.105329	0.188703	-5.12265
DNAJC24	0.498182	-0.0308	1.696894	0.105331	0.188703	-5.12266
METTL2B	-0.3832	0.278136	-1.69638	0.105429	0.188862	-5.12344
PPOX	0.29189	-0.07648	1.696068	0.105489	0.188953	-5.12392
FAM188B	-0.46383	0.057275	-1.69596	0.105511	0.188975	-5.12409
FGF23	-0.3718	0.004545	-1.69584	0.105533	0.188997	-5.12426
TCEA1	-0.33225	0.1509	-1.6957	0.10556	0.189029	-5.12448
LOC10013	0.385638	-0.04177	1.664874	0.112459	0.1984	-5.1245
MYLIP	-0.40855	0.630173	-1.6956	0.105579	0.18904	-5.12462
GABARAPL	-0.36219	0.06211	-1.69553	0.105593	0.18904	-5.12473
KCNJ9	0.292772	-0.27556	1.695492	0.1056	0.18904	-5.12479
PAN2	-0.3884	0.515557	-1.69542	0.105615	0.18904	-5.1249
MGC1305	-0.46461	0.239988	-1.69541	0.105615	0.18904	-5.12491
LOC10050	0.319322	-0.27748	1.683477	0.109675	0.194566	-5.12534
UGT2B7	-0.48297	0.226501	-1.69507	0.105682	0.189143	-5.12543
THSD4	-0.41492	-0.18403	-1.68894	0.107692	0.191811	-5.12664
GMCL1P1	0.284535	-0.12162	1.693833	0.10592	0.189505	-5.1273
OR1D5	-0.24712	0.047302	-1.69382	0.105923	0.189505	-5.12733
DIEXF	-0.66674	0.760662	-1.69372	0.105941	0.18952	-5.12747
ADCY5	-0.29385	-0.14341	-1.68191	0.109983	0.194935	-5.12767
SDHAP1	-0.25618	0.16092	-1.69332	0.106019	0.189641	-5.12808
NBPF15	-0.34924	0.291485	-1.69254	0.106169	0.189844	-5.12926

CHST6	-0.5239	0.148742	-1.69249	0.106178	0.189844	-5.12933
ATP2B4	-0.62073	0.420899	-1.69245	0.106187	0.189844	-5.1294
LRRC3	0.240613	-0.25636	1.692398	0.106197	0.189844	-5.12948
PRR22	-0.41399	0.503275	-1.69238	0.1062	0.189844	-5.1295
ADAMTS8	-0.39965	0.124842	-1.69222	0.106231	0.189883	-5.12975
PAX3	0.578369	-0.25771	1.691969	0.10628	0.189952	-5.13013
ABHD6	0.390422	-0.23864	1.691819	0.106309	0.189986	-5.13035
DDA1	-0.21001	0.066966	-1.69166	0.10634	0.190026	-5.1306
GFRAL	0.238711	-0.0473	1.68628	0.10821	0.192594	-5.13064
RPS25	0.717352	-0.29806	1.691597	0.106352	0.190029	-5.13069
RCSD1	0.298339	-0.21583	1.691465	0.106377	0.190057	-5.13089
PHGDH	-0.55669	0.866936	-1.69115	0.106438	0.190131	-5.13137
OR1Q1	-0.34257	0.157054	-1.69065	0.106536	0.190288	-5.13213
PRKRIR	-0.65283	0.313629	-1.69036	0.106591	0.190369	-5.13256
GJA4	0.357176	-0.06943	1.690151	0.106632	0.190425	-5.13288
DRD2	0.306442	-0.18017	1.690041	0.106653	0.190446	-5.13305
ARHGAP12	-0.50908	-0.10789	-1.68967	0.106724	0.190536	-5.1336
SCGB1D1	-0.52113	-0.10849	-1.68426	0.108605	0.193157	-5.13368
APBB2	-0.60184	0.273579	-1.68962	0.106735	0.190536	-5.13368
NCSTN	-0.26748	0.141922	-1.68958	0.106742	0.190536	-5.13374
UPK1B	-0.47159	0.083324	-1.68912	0.106832	0.190662	-5.13444
ADAR	-0.82151	0.750314	-1.68903	0.10685	0.190675	-5.13458
PDCD7	-0.41272	0.278243	-1.68881	0.106893	0.190735	-5.13491
LOC284885	-0.37622	0.656281	-1.68849	0.106955	0.190829	-5.1354
DTX1	-0.75927	0.953086	-1.68818	0.107014	0.190916	-5.13585
ADAM20	-0.41023	0.062567	-1.68271	0.108909	0.19354	-5.13601
CPD	-0.74779	0.068274	-1.68776	0.107097	0.191037	-5.13649
HIST1H3B	-0.45405	0.520969	-1.68754	0.10714	0.191089	-5.13683
ZNF80	0.297472	0.084971	1.687443	0.107158	0.191104	-5.13697
XKR4	-0.4733	0.214865	-1.68719	0.107207	0.191173	-5.13735
RHOXF2	-0.59819	0.088172	-1.68682	0.10728	0.191286	-5.13792
CSF1	-0.61137	0.25798	-1.68668	0.107308	0.191318	-5.13813
OR10H3	-0.56023	0.071569	-1.68632	0.107377	0.191425	-5.13867
LOC100506	0.717827	0.03239	1.686147	0.107411	0.191467	-5.13893
EIF3H	0.384044	-0.44606	1.685969	0.107446	0.191512	-5.1392
GRTP1	0.611354	-0.13156	1.680454	0.109352	0.194169	-5.13938
FOXO4	0.308853	-0.10076	1.685545	0.107528	0.191642	-5.13984
ANTXR2	-0.62385	0.529645	-1.68549	0.107539	0.191644	-5.13993
ANKRD12	-0.438	0.114596	-1.68532	0.107573	0.191686	-5.14018
PCDHGA3	-0.40385	-0.10108	-1.67987	0.109468	0.194304	-5.14027
NR1D1	0.548401	-0.00875	1.685263	0.107584	0.191688	-5.14027
HOXA9	-0.91407	0.980469	-1.6849	0.107654	0.191783	-5.14081
COG1	0.246026	0.062754	1.684813	0.107672	0.191793	-5.14095
RRN3P3	-0.30469	0.416136	-1.68461	0.10771	0.191827	-5.14125
PDE8B	0.419035	-0.68697	1.525805	0.155626	0.255261	-5.1413
C20orf94	-0.36266	0.337472	-1.68454	0.107725	0.191835	-5.14136
RNASE6	0.62485	-0.16871	1.683249	0.107978	0.192267	-5.14331

ALMS1	0.436184	-0.12436	1.683185	0.10799	0.192267	-5.1434
BACH2	0.548303	-0.49143	1.682905	0.108045	0.192336	-5.14382
POLG2	-0.34777	0.10944	-1.68283	0.10806	0.192345	-5.14394
RWDD2A	0.585021	-0.47681	1.676201	0.110193	0.195237	-5.14576
CCDC59	0.310777	-0.34247	1.680826	0.108454	0.192981	-5.14696
PIWIL1	0.526715	0.101367	1.68081	0.108457	0.192981	-5.14698
RASSF8	-0.42492	0.157067	-1.68053	0.108512	0.193061	-5.1474
PFAS	-0.74173	0.653142	-1.68045	0.108529	0.193074	-5.14753
NCAPD2	-0.33144	0.398111	-1.68021	0.108576	0.19314	-5.14789
FAM20B	0.395663	-0.063	1.680064	0.108604	0.193157	-5.14811
DRP2	-0.31763	0.136193	-1.67944	0.108727	0.193356	-5.14905
LOC100509	-0.45753	0.059846	-1.67912	0.10879	0.193432	-5.14953
BTG3	-0.51018	0.46731	-1.67888	0.108837	0.193497	-5.14989
SLC6A6	-0.5951	0.424831	-1.67884	0.108846	0.193497	-5.14995
MED28	-0.40797	0.114156	-1.67872	0.108869	0.193504	-5.15013
STEAP2	0.517009	-0.10084	1.678717	0.108869	0.193504	-5.15013
FAM26F	-0.85699	-0.05091	-1.67862	0.108888	0.193519	-5.15028
NFIC	0.479927	0.143529	1.678344	0.108943	0.193582	-5.1507
GLTSCR2	0.497599	-0.20831	1.678116	0.108988	0.193645	-5.15104
CITED2	0.2298	-0.07128	1.677877	0.109035	0.193711	-5.1514
B4GALT1	-0.27409	0.344611	-1.67765	0.10908	0.193773	-5.15174
C22orf26	0.336125	-0.35984	1.672131	0.111003	0.196486	-5.15184
FLJ39653	-0.71391	0.828321	-1.67754	0.109103	0.193795	-5.15191
TOX4	0.241988	-0.27874	1.677177	0.109174	0.193904	-5.15245
ITPRIP	-0.33013	0.357918	-1.67711	0.109186	0.193909	-5.15255
DEFB103B	0.453458	-0.45944	1.607591	0.125454	0.215684	-5.15335
PIGM	-0.3078	0.118595	-1.67651	0.109305	0.194103	-5.15345
AGRN	-0.32115	0.283455	-1.67618	0.109372	0.194186	-5.15396
FRMD4B	-0.48711	0.287681	-1.67598	0.10941	0.194221	-5.15424
SHROOM2	-0.40535	0.107763	-1.67542	0.109523	0.194383	-5.1551
SLC22A18	-0.45102	0.426724	-1.6753	0.109546	0.194387	-5.15527
GPR158	-0.35355	-0.16702	-1.67529	0.109548	0.194387	-5.15529
EPOR	0.302152	0.010175	1.675257	0.109554	0.194387	-5.15534
CDKL3	-0.28495	0.101818	-1.67503	0.1096	0.19445	-5.15568
F3	0.513816	-0.52328	1.601306	0.127873	0.218843	-5.15581
LOC283174	0.442338	-0.20392	1.643501	0.116842	0.204247	-5.1561
LOC100509	0.959317	-0.34249	1.489277	0.158806	0.259261	-5.15631
CIRH1A	-0.44014	0.571359	-1.67436	0.109732	0.194648	-5.15668
CPLX3	-0.52784	0.227999	-1.67415	0.109774	0.194686	-5.157
SHOC2	-0.52289	-0.15503	-1.67411	0.109783	0.194686	-5.15707
ZNF238	-0.73533	0.37007	-1.6738	0.109844	0.194772	-5.15753
CFL2	0.392675	-0.19224	1.673718	0.10986	0.194772	-5.15765
IFT46	-0.34769	0.165495	-1.67371	0.109862	0.194772	-5.15766
PRRG4	-0.35989	0.145656	-1.67366	0.109871	0.194772	-5.15773
DTYMK	-0.41492	0.354146	-1.67359	0.109886	0.194781	-5.15785
ABCA7	-0.32859	0.58508	-1.67254	0.110094	0.195114	-5.15941
HAUS5	-0.73269	0.713368	-1.67168	0.110266	0.195348	-5.16071

ACTB	-0.33413	0.38311	-1.67115	0.110373	0.19552	-5.16151
MCM9	-0.53399	0.450265	-1.67055	0.110491	0.195712	-5.1624
MRT04	-0.53032	0.34342	-1.67045	0.110512	0.195713	-5.16255
C15orf38-7	0.612465	-0.31571	1.664831	0.112467	0.1984	-5.16273
C9orf5	-0.51578	0.447352	-1.67	0.110603	0.195856	-5.16324
ADI1	-0.36406	0.138034	-1.66976	0.11065	0.195922	-5.16359
WNT2B	0.577904	-0.59332	1.633069	0.119954	0.208423	-5.16398
LOC100288	0.297981	-0.42548	1.669256	0.110751	0.196084	-5.16435
LOC286359	0.5155	-0.38188	1.637852	0.118024	0.205793	-5.16441
VN1R3	-0.59654	0.344688	-1.66327	0.112784	0.198838	-5.16506
NTRK2	-0.36287	0.111412	-1.66853	0.110897	0.196324	-5.16544
KHDC1	-0.27478	0.284183	-1.66797	0.111008	0.196486	-5.16627
KCNK16	-0.3404	0.087917	-1.66785	0.111034	0.196513	-5.16646
ZBTB47	-0.43316	0.48656	-1.66762	0.111079	0.196558	-5.1668
EEA1	-0.47358	-0.0998	-1.66725	0.111153	0.196671	-5.16735
LOC100129	0.405801	-0.12629	1.661702	0.1131	0.19927	-5.16739
INA	0.33803	-0.28066	1.66716	0.111172	0.196686	-5.16749
WDR60	-0.40022	0.062275	-1.63568	0.118482	0.206377	-5.1676
C12orf35	0.83029	-0.50199	1.667072	0.111189	0.196699	-5.16762
MFSD9	-0.47612	0.230761	-1.66694	0.111217	0.19673	-5.16782
CDK2	-0.5011	0.582237	-1.66648	0.111308	0.196844	-5.1685
SOD1	0.423535	-0.09662	1.666473	0.11131	0.196844	-5.16852
TRPM4	0.430295	0.175272	1.666465	0.111311	0.196844	-5.16853
PRSS57	0.717672	-0.28454	1.666011	0.111403	0.196988	-5.16921
TCTN1	0.522368	-0.15916	1.665934	0.111418	0.196997	-5.16932
TAF13	-0.35369	0.001367	-1.66589	0.111428	0.196997	-5.16939
TP53TG3	0.309102	-0.33273	1.665223	0.111561	0.197208	-5.17039
LMAN2L	-0.23515	0.173825	-1.66519	0.111567	0.197208	-5.17043
LOC340508	0.532302	0.126287	1.659522	0.113543	0.199856	-5.17063
WDR96	-0.50157	0.174538	-1.66454	0.111699	0.19741	-5.17141
SLIT3	-0.45479	-0.02937	-1.66449	0.11171	0.19741	-5.17149
OTX2	-0.43591	-0.01073	-1.66448	0.111712	0.19741	-5.1715
RNPS1	-0.72027	0.666849	-1.66401	0.111806	0.197559	-5.1722
SBNO1	-0.50947	0.281535	-1.66376	0.111858	0.197632	-5.17258
MRPL45	0.37511	-0.21498	1.663567	0.111896	0.197681	-5.17286
FYB	-0.51272	0.491371	-1.66316	0.111979	0.197793	-5.17348
GLUD2	-0.44563	0.081063	-1.66305	0.112001	0.197814	-5.17364
SDAD1	-0.3505	0.241901	-1.66288	0.112035	0.197856	-5.17389
APP	-0.63129	0.578908	-1.66277	0.112056	0.197864	-5.17405
EBP	0.382699	-0.18142	1.662756	0.11206	0.197864	-5.17408
SALL2	0.374205	-0.0451	1.662653	0.112081	0.197883	-5.17423
DBIL5P2	-0.2321	0.082466	-1.66238	0.112136	0.197958	-5.17464
TMEM45A	-0.75102	0.402942	-1.66234	0.112143	0.197958	-5.17469
MYO6	-0.40468	0.098429	-1.66193	0.112226	0.198087	-5.17531
BACE2	0.449484	-0.03503	1.661676	0.112278	0.198161	-5.17569
VSTM2L	0.471515	-0.02432	1.661237	0.112368	0.1983	-5.17635
CCDC116	-0.38343	0.113822	-1.64892	0.116637	0.204016	-5.17656

NR1I2	-0.38922	0.084246	-1.65537	0.114391	0.201074	-5.17679
SLC41A1	0.481825	-0.22332	1.660928	0.11243	0.198393	-5.17681
FAM108C1	-0.47092	0.153885	-1.66082	0.112452	0.1984	-5.17697
ADAMTS2	-0.64121	0.345587	-1.66071	0.112475	0.1984	-5.17714
SP3P	-0.48138	0.146248	-1.59093	0.129166	0.220498	-5.1772
KIAA1199	0.617945	-0.05383	1.660576	0.112502	0.19843	-5.17733
CCDC19	0.587237	0.09721	1.659845	0.11265	0.198674	-5.17842
OR6N1	-0.32467	-0.06452	-1.65965	0.112689	0.198724	-5.17871
TBC1D9	0.523784	-0.31095	1.659452	0.11273	0.198779	-5.17901
SCUBE2	-0.48484	0.296448	-1.65891	0.11284	0.198919	-5.17982
GFI1B	0.454102	0.080777	1.658521	0.11292	0.199042	-5.1804
PKM2	-0.4305	0.410275	-1.65835	0.112954	0.19908	-5.18066
FBXL19-AS	-0.32667	-0.05089	-1.65831	0.112961	0.19908	-5.18071
ZNF41	-0.42947	0.4199	-1.65824	0.112976	0.199087	-5.18081
ZCCHC5	0.309423	-0.26411	1.626585	0.120413	0.209024	-5.1809
MGC4859	0.508985	-0.12974	1.652311	0.115018	0.201941	-5.18132
LOC100190	-0.27877	-0.0228	-1.65771	0.113085	0.199261	-5.18161
PDE10A	-0.51493	0.233011	-1.65199	0.115085	0.20204	-5.1818
SAAL1	-0.39916	0.180737	-1.65726	0.113176	0.199369	-5.18228
ZNF8	-0.21954	0.10801	-1.65698	0.113234	0.199453	-5.1827
RNMT	0.397797	-0.16758	1.656744	0.113282	0.199519	-5.18305
CAMK2G	-0.40011	0.674456	-1.65657	0.113316	0.199562	-5.1833
TAF3	0.670628	-0.06939	1.655916	0.113451	0.199781	-5.18428
FBXW4	-0.28619	0.369558	-1.65583	0.113468	0.199793	-5.18441
SCRT1	0.226158	-0.20973	1.655778	0.113479	0.199795	-5.18449
GOLGB1	-0.33614	0.249787	-1.65553	0.113529	0.199856	-5.18485
ZNF703	0.288179	-0.05435	1.655459	0.113545	0.199856	-5.18496
C21orf15	0.672332	-0.07525	1.655354	0.113566	0.199875	-5.18512
COL22A1	-0.43259	0.127365	-1.6553	0.113577	0.199877	-5.1852
COQ6	0.33256	-0.19177	1.65518	0.113602	0.19989	-5.18538
SLC25A5	-0.31272	0.137855	-1.65516	0.113605	0.19989	-5.1854
SAP30	-0.64759	0.471962	-1.65476	0.113687	0.200017	-5.186
ZNF827	-0.89831	1.670485	-1.6544	0.113761	0.200128	-5.18653
GPR110	-0.66915	0.127144	-1.65432	0.113779	0.200142	-5.18667
CYP39A1	0.554385	-0.61129	1.584165	0.130698	0.222589	-5.18682
SLX1A	-0.26046	0.137719	-1.65379	0.113887	0.200315	-5.18746
CYB5R3	-0.34076	0.543326	-1.65365	0.113914	0.200331	-5.18765
Mar-02	0.518082	-0.05498	1.653642	0.113917	0.200331	-5.18767
CYP2A6	0.288444	-0.23127	1.621479	0.121509	0.210415	-5.18835
C12orf75	0.51688	0.077924	1.652982	0.114052	0.200533	-5.18865
NDUFA3	0.348368	-0.13611	1.652981	0.114052	0.200533	-5.18865
ZNF277	-0.55045	0.370644	-1.64706	0.116101	0.203318	-5.18908
CD19	-0.44119	0.277533	-1.65235	0.114183	0.200745	-5.1896
FTSJ2	-0.41382	0.547562	-1.65168	0.11432	0.200968	-5.19059
KRTAP4-5	0.279971	-0.55421	1.621452	0.124623	0.214556	-5.19065
OLFML3	-0.66685	0.415565	-1.64572	0.116379	0.203692	-5.19106
MSRB3	-1.00905	0.711778	-1.65111	0.114437	0.201137	-5.19143

GFER	-0.32259	0.486368	-1.65075	0.114512	0.20125	-5.19197
C1orf111	0.30124	-0.16878	1.645029	0.116524	0.203836	-5.19209
ALX3	0.256739	-0.21346	1.650498	0.114563	0.201323	-5.19235
SYNDIG1L	-0.35144	0.071368	-1.65031	0.114603	0.201375	-5.19263
TRAF6	-0.28812	0.028298	-1.64975	0.114718	0.20154	-5.19346
IL6R	-0.51614	0.527197	-1.64972	0.114724	0.20154	-5.1935
CLEC16A	-0.27315	0.302714	-1.6497	0.114728	0.20154	-5.19353
SEC61G	-0.46743	0.02593	-1.64952	0.114766	0.20157	-5.1938
LOC100129	0.632518	-0.00186	1.643659	0.116809	0.204218	-5.19411
C11orf57	-0.53933	0.406359	-1.64924	0.114824	0.201654	-5.19422
CAPN8	-0.45999	0.370454	-1.64854	0.114967	0.201875	-5.19525
ZRANB3	-0.34305	0.155055	-1.64853	0.11497	0.201875	-5.19527
NBPF14	-0.41937	0.158086	-1.64782	0.115118	0.20208	-5.19633
IGSF10	0.457307	-0.33859	1.610737	0.124764	0.214704	-5.19637
EEF1G	0.538067	-0.6404	1.647742	0.115133	0.202088	-5.19644
LOC158407	0.415703	-0.24475	1.647689	0.115144	0.20209	-5.19652
SERPINB5	-0.47986	0.260237	-1.64749	0.115185	0.202143	-5.19681
CYCS	-0.33012	0.00994	-1.64728	0.115229	0.202173	-5.19713
SPEF2	0.328023	0.007906	1.647259	0.115233	0.202173	-5.19716
DUSP22	-0.24543	0.002948	-1.64723	0.11524	0.202173	-5.19721
FLT3LG	0.586344	-0.00388	1.647212	0.115243	0.202173	-5.19723
TTLL10	-0.47852	0.247725	-1.64707	0.115272	0.202188	-5.19744
HIST1H2BC	-0.53808	0.513962	-1.64637	0.115417	0.202423	-5.19847
LOC648777	0.63014	-0.43046	1.645946	0.115505	0.202546	-5.1991
SAMD10	0.278822	0.020108	1.645937	0.115507	0.202546	-5.19912
PLIN1	0.527531	-0.02731	1.640201	0.117531	0.205214	-5.19921
C22orf32	0.308892	-0.20042	1.645798	0.115536	0.202578	-5.19932
SEMA5B	-0.2589	0.146828	-1.633	0.119968	0.208428	-5.19989
ART3	0.582932	-0.39299	1.645381	0.115623	0.202712	-5.19994
RBM4	-0.32882	0.498435	-1.64531	0.115638	0.202721	-5.20005
COX5A	-0.58605	0.537609	-1.64518	0.115665	0.20275	-5.20024
CELF6	-0.8345	0.549437	-1.64481	0.11574	0.202864	-5.20078
MRP63	-0.36292	0.381068	-1.64473	0.115758	0.202876	-5.20091
DNAH7	-0.66979	0.286238	-1.64451	0.115804	0.202931	-5.20124
MARVELD3	-0.44798	0.143982	-1.64446	0.115814	0.202931	-5.2013
C20orf177	-0.38302	-0.21596	-1.64443	0.11582	0.202931	-5.20135
SPATA19	-0.3321	0.0342	-1.64421	0.115865	0.202992	-5.20167
SNRPB2	0.238128	-0.34648	1.643672	0.115978	0.203154	-5.20248
LOC727820	0.417429	-0.16388	1.643068	0.116104	0.203318	-5.20337
C14orf119	-0.41524	0.292791	-1.64304	0.116111	0.203318	-5.20342
CCDC63	-0.51581	0.101296	-1.64302	0.116114	0.203318	-5.20344
GPR107	-0.33131	0.126507	-1.64292	0.116134	0.203336	-5.20358
CTDNEP1	-0.25764	0.406841	-1.6426	0.116201	0.203417	-5.20406
RPRML	-0.3514	0.078658	-1.64199	0.11633	0.203623	-5.20497
IL17D	-0.50299	0.364803	-1.64168	0.116394	0.2037	-5.20543
POLQ	-0.45689	0.131221	-1.64152	0.116427	0.203721	-5.20566
LOC100507	0.26698	-0.17425	1.641232	0.116487	0.203794	-5.20609

EBAG9	-0.43394	0.312175	-1.64122	0.116489	0.203794	-5.2061
ALG10B	-0.42959	-0.13724	-1.64016	0.116711	0.204128	-5.20767
ADAT2	-0.54566	0.476738	-1.64004	0.116738	0.204156	-5.20786
LOC100190	-0.336	0.371762	-1.63992	0.116763	0.204165	-5.20804
C8orf37	-0.61196	0.385871	-1.63991	0.116764	0.204165	-5.20805
FARSB	-0.44327	0.235092	-1.63967	0.116815	0.204218	-5.20841
DLGAP1	-0.34636	0.039066	-1.63392	0.118853	0.206894	-5.20844
AKAP13	-0.65948	0.371662	-1.63894	0.116968	0.20445	-5.20949
ATXN1	-0.51069	0.239533	-1.63859	0.11704	0.204555	-5.20999
C10orf58	-0.50176	0.388033	-1.63855	0.117049	0.204555	-5.21006
CLDN12	-0.3431	0.040247	-1.63841	0.11708	0.204589	-5.21027
ATP10D	-0.36902	0.103136	-1.63831	0.1171	0.204594	-5.21042
GPR52	0.361825	-0.33008	1.638292	0.117103	0.204594	-5.21044
PNMA6A	0.401454	-0.03555	1.632472	0.11916	0.207374	-5.21057
DENND5B	-0.56866	0.88647	-1.63802	0.11716	0.204674	-5.21083
TTLL2	-0.32356	0.096936	-1.63194	0.119273	0.207515	-5.21135
C4orf52	-0.47068	-0.15273	-1.63745	0.11728	0.204854	-5.21168
USP39	0.163215	-0.09622	1.637435	0.117284	0.204854	-5.21171
HSPA4	-0.63146	0.912475	-1.63668	0.117442	0.205104	-5.21282
TAAR1	-0.29981	0.027231	-1.63666	0.117448	0.205104	-5.21286
MMAB	-0.37894	0.349805	-1.63638	0.117506	0.205188	-5.21327
ZNF521	-0.51911	0.19532	-1.63615	0.117555	0.205236	-5.21361
FOXL2	-0.4483	0.061718	-1.6235	0.121994	0.211088	-5.21374
NINJ1	0.441645	0.053002	1.635872	0.117613	0.205319	-5.21401
SIVA1	0.36743	-0.36639	1.635676	0.117654	0.205373	-5.2143
GDF6	-0.53453	0.133671	-1.63545	0.117701	0.205438	-5.21463
GGA2	-0.55394	0.566507	-1.63537	0.117718	0.205449	-5.21475
BTBD11	0.539094	-0.20534	1.63515	0.117765	0.205512	-5.21508
CILP	-0.5851	0.155697	-1.63503	0.117791	0.205524	-5.21526
GORASP2	0.244264	-0.18998	1.634991	0.117799	0.205524	-5.21531
IFNA5	-0.28334	0.107922	-1.63497	0.117803	0.205524	-5.21535
EIF3I	-0.30424	0.054632	-1.63449	0.117904	0.205667	-5.21605
DEM1	-0.36945	0.144246	-1.63448	0.117906	0.205667	-5.21607
CCL14	0.355405	-0.13828	1.634281	0.117949	0.20571	-5.21636
NKPD1	0.217334	-0.04453	1.634264	0.117952	0.20571	-5.21639
ZEB1	0.956075	-0.48412	1.48051	0.164796	0.266834	-5.21678
NRN1L	-0.21237	0.532021	-1.63397	0.118015	0.205793	-5.21682
CCDC57	-0.64844	0.758007	-1.63389	0.118031	0.205793	-5.21694
CCND2	-0.59762	0.710927	-1.63357	0.118099	0.205893	-5.21741
GABRA5	0.413618	-0.28792	1.633087	0.118201	0.206053	-5.21812
EPRS	0.342089	-0.2386	1.632931	0.118234	0.206092	-5.21835
SLC25A44	-0.45399	0.403629	-1.6327	0.118283	0.206159	-5.21869
PSMD3	-0.24824	0.258971	-1.63259	0.118305	0.206179	-5.21885
GNPTG	-0.25003	-0.03838	-1.63247	0.118331	0.206207	-5.21903
SNAPC1	-0.68601	0.21276	-1.63229	0.118371	0.20623	-5.2193
MT1X	0.667085	-0.12137	1.632267	0.118375	0.20623	-5.21933
VASP	-0.46336	0.487701	-1.63226	0.118377	0.20623	-5.21934

LOC285740	-0.46262	0.059948	-1.63185	0.118463	0.206362	-5.21994
KIAA1143	-0.46981	-0.15114	-1.63166	0.118504	0.206398	-5.22023
LOC728034	-0.59007	0.161998	-1.61818	0.123143	0.212763	-5.22148
LOC100506	0.396969	0.081748	1.624972	0.120758	0.20943	-5.22156
TMED9	-0.34981	-0.00357	-1.63055	0.118739	0.206775	-5.22186
LOC389493	-0.57777	-0.14753	-1.63053	0.118744	0.206775	-5.2219
OPTC	0.362183	-0.17797	1.630487	0.118753	0.206775	-5.22195
LOC100507	0.877459	-0.82893	1.630332	0.118785	0.206814	-5.22218
ZRANB1	-0.4416	0.133419	-1.63013	0.118828	0.20687	-5.22248
TMSB15A	-1.14553	0.258984	-1.58621	0.131262	0.223337	-5.22248
KIF9	-0.23612	0.20132	-1.62936	0.118993	0.20712	-5.22362
KANSL2	-0.62635	0.298755	-1.59654	0.126984	0.217741	-5.22448
ADCY2	-0.30586	0.037142	-1.6286	0.119153	0.207374	-5.22472
PAX4	0.325016	-0.31498	1.628495	0.119177	0.20738	-5.22489
RETNLB	0.275618	-0.1981	1.628458	0.119185	0.20738	-5.22494
ADIG	0.551527	0.041877	1.622044	0.121388	0.210279	-5.22584
ENPP3	0.59256	-0.38511	1.583681	0.131837	0.224062	-5.22607
SPERT	0.325702	-0.07781	1.627145	0.119465	0.207816	-5.22687
LYPD3	-0.49702	0.775074	-1.62713	0.119467	0.207816	-5.22689
PSMB9	-0.4028	0.428564	-1.62707	0.11948	0.20782	-5.22698
PPIAL4A	-0.27188	0.427933	-1.62675	0.119549	0.207908	-5.22745
GPR61	0.181299	-0.01011	1.626736	0.119552	0.207908	-5.22747
YPEL3	0.406619	0.132731	1.626569	0.119588	0.207952	-5.22772
TTL	-0.30535	0.284536	-1.62652	0.119598	0.207952	-5.22779
CAPN13	-0.35829	0.043714	-1.62646	0.119612	0.207957	-5.22788
C14orf178	-0.44276	0.184671	-1.62637	0.119631	0.207971	-5.22801
LOC100506	0.398198	-0.29327	1.626279	0.11965	0.207986	-5.22814
PPP1R13B	-0.38742	0.633434	-1.62562	0.11979	0.208211	-5.22911
LOC100293	-0.54893	0.106294	-1.53607	0.14553	0.24204	-5.22938
HS3ST1	-0.63853	0.773607	-1.62541	0.119835	0.208263	-5.22941
SPATS2	0.298729	0.200254	1.625384	0.119841	0.208263	-5.22946
CA7	0.597811	-0.19573	1.62509	0.119904	0.208355	-5.22989
PRKD3	-0.2812	0.400413	-1.62462	0.120005	0.208474	-5.23058
WHAMMP	0.166505	-0.037	1.611834	0.124524	0.214423	-5.23067
KCNS2	-0.44243	-0.03629	-1.60351	0.127383	0.218232	-5.23072
LARP4	-0.42041	0.426543	-1.62445	0.120042	0.20852	-5.23083
IFNE	0.683836	-0.05065	1.623908	0.120158	0.208702	-5.23163
ZNF516	-0.84927	0.4211	-1.62386	0.120169	0.208703	-5.2317
CEP57	0.349732	-0.46657	1.623663	0.12021	0.208757	-5.23199
ADORA3	0.465242	-0.49882	1.622944	0.120365	0.208995	-5.23304
TNFRSF10E	-0.32761	0.414969	-1.62292	0.120369	0.208995	-5.23307
E2F3	-0.48865	-0.05361	-1.62271	0.120415	0.209024	-5.23339
TUBG2	-0.32428	0.503053	-1.62269	0.12042	0.209024	-5.23342
PHF20L1	-0.44566	0.036356	-1.62265	0.120428	0.209024	-5.23348
SIGMAR1	-0.36545	0.564639	-1.62258	0.120443	0.209032	-5.23358
REV1	-0.48303	0.372883	-1.61651	0.122584	0.211959	-5.23391
TCF20	0.36263	0.090085	1.622113	0.120543	0.209187	-5.23426

PLAUR	-0.45131	0.425648	-1.6218	0.120611	0.209285	-5.23472
CYP4B1	0.613891	-0.31013	1.615917	0.122713	0.212124	-5.23477
FJX1	-0.47346	0.061214	-1.61585	0.122727	0.21213	-5.23487
BVES	0.377801	-0.40798	1.621502	0.120675	0.209356	-5.23516
CSRN3	-0.58128	0.283701	-1.62146	0.120684	0.209356	-5.23522
SIRT3	-0.29016	0.283239	-1.62135	0.120708	0.209361	-5.23538
GPR144	0.29667	-0.1793	1.621349	0.120708	0.209361	-5.23538
MAP3K10	0.32117	0.121917	1.62092	0.120801	0.209485	-5.23601
BDP1	-0.47189	0.438265	-1.62076	0.120834	0.209524	-5.23624
NME4	0.42707	0.226018	1.62038	0.120917	0.20965	-5.2368
GPN3	-0.71626	0.183194	-1.61387	0.123158	0.212763	-5.23775
SPATA6	-0.34477	0.122215	-1.61958	0.12109	0.20993	-5.23797
TADA2A	-0.40039	0.52147	-1.61947	0.121113	0.209938	-5.23813
RPL28	-0.44226	0.570309	-1.61946	0.121115	0.209938	-5.23815
EBLN2	-0.42424	0.140587	-1.61909	0.121195	0.210057	-5.23869
CPSF1	-0.34978	0.408103	-1.61893	0.121231	0.210092	-5.23893
WDR88	0.586229	-0.10593	1.618901	0.121236	0.210092	-5.23897
USHBP1	0.280028	-0.26408	1.566794	0.136889	0.230519	-5.23898
NACAD	0.293194	-0.1035	1.580923	0.131438	0.22357	-5.2391
C18orf57	-0.3699	0.080134	-1.61865	0.12129	0.210167	-5.23933
SF3B3	0.45583	0.070654	1.618321	0.121362	0.21027	-5.23982
PSMD2	-0.30267	0.139155	-1.61828	0.121371	0.21027	-5.23988
RORC	0.197347	-0.03947	1.618014	0.121429	0.210315	-5.24027
TNFSF4	0.601296	-0.55136	1.617969	0.121438	0.210315	-5.24034
TMED3	0.264959	-0.29028	1.61796	0.12144	0.210315	-5.24035
FYCO1	0.348824	-0.13467	1.617555	0.121528	0.210429	-5.24094
BLCAP	0.263144	-0.33543	1.617123	0.121622	0.210572	-5.24157
FAM149B1	-0.35105	0.146673	-1.61708	0.121632	0.210572	-5.24164
OR1A2	-0.25221	-0.09499	-1.61667	0.121719	0.210705	-5.24223
MFAP5	-0.20138	0.111495	-1.61628	0.121805	0.210834	-5.24281
CA9	0.3282	-0.30959	1.610379	0.123921	0.213741	-5.24283
RPA4	-0.67187	0.296623	-1.61005	0.123992	0.213789	-5.2433
FAM207A	0.349399	-0.0293	1.615889	0.121889	0.210962	-5.24338
RHOXF2B	0.427723	0.066847	1.609941	0.124017	0.213794	-5.24347
N6AMT2	-0.40501	0.508511	-1.61554	0.121965	0.211073	-5.24388
C13orf30	0.282802	-0.10886	1.609619	0.124087	0.213878	-5.24393
USP37	-0.4574	0.055407	-1.61543	0.121989	0.211088	-5.24405
LOC100506	0.758382	-0.01395	1.577397	0.132247	0.224544	-5.24411
MKS1	0.393884	0.036025	1.614429	0.122207	0.211437	-5.24551
LOC728701	-0.65275	0.302322	-1.58179	0.130318	0.222078	-5.24564
C9orf69	-0.21259	0.053509	-1.61415	0.122267	0.211522	-5.24592
SIGLEC11	0.750287	-0.52117	1.601135	0.126881	0.217622	-5.24611
ZAP70	0.63598	-0.10512	1.613757	0.122353	0.211649	-5.2465
RUFY1	-0.29316	0.392356	-1.61372	0.122362	0.211649	-5.24656
COPS6	-0.20871	0.230336	-1.61345	0.122419	0.21173	-5.24694
P4HTM	0.301439	-0.02069	1.613319	0.122449	0.211762	-5.24714
SEMA4F	0.426411	0.090719	1.613238	0.122466	0.211774	-5.24725

MYH6	0.476423	-0.38245	1.600231	0.127082	0.217844	-5.24741
PAGE1	0.605077	-0.05054	1.606953	0.124673	0.214605	-5.2478
PRDM10	-0.38229	0.16784	-1.61228	0.122675	0.212087	-5.24865
CDRT1	-0.37816	0.125995	-1.61226	0.12268	0.212087	-5.24869
DPY19L2P3	-0.55615	-0.00316	-1.61179	0.122782	0.212208	-5.24937
CHMP2B	-0.12958	0.017831	-1.57909	0.130937	0.22288	-5.2495
SPIN4	-0.4396	0.076533	-1.60505	0.125094	0.215158	-5.25057
LOC100127	0.598509	-0.08976	1.610875	0.122983	0.212535	-5.2507
ATXN7L1	-0.28193	0.301126	-1.61018	0.123134	0.212763	-5.25171
OSGIN1	-0.36803	0.529074	-1.61008	0.123157	0.212763	-5.25186
TLE2	0.763239	-0.09081	1.609867	0.123204	0.212823	-5.25218
STYK1	0.406844	-0.27143	1.609696	0.123241	0.212869	-5.25242
DNHD1	0.263111	-0.05086	1.609095	0.123373	0.213062	-5.2533
LGALS4	0.197221	-0.02488	1.609089	0.123374	0.213062	-5.25331
DEFA3	1.867162	-1.05375	1.608432	0.123519	0.213292	-5.25427
GATC	-0.2297	0.379882	-1.60826	0.123555	0.213324	-5.25451
HADHB	-0.30789	-0.18433	-1.60818	0.123574	0.213324	-5.25463
WDYHV1	-0.53408	0.114936	-1.60815	0.123581	0.213324	-5.25468
HGSNAT	-0.59677	0.762469	-1.60813	0.123584	0.213324	-5.2547
FZD7	-0.34735	0.077849	-1.6081	0.123592	0.213324	-5.25475
TRAF3IP1	0.362396	-0.46728	1.607988	0.123616	0.213347	-5.25491
NPEPPS	-0.43151	0.33118	-1.60785	0.123646	0.213361	-5.25511
HLA-DRB6	0.548229	-0.3305	1.607853	0.123646	0.213361	-5.25511
EDC3	-0.22818	0.237707	-1.60771	0.123677	0.21338	-5.25532
ZNF20	-0.67469	0.49763	-1.6077	0.123679	0.21338	-5.25533
XG	0.766004	-0.22523	0.878232	0.4095	0.534845	-5.25545
ISCU	-0.2268	0.399692	-1.60759	0.123703	0.213404	-5.25549
C19orf48	0.358573	-0.14283	1.606898	0.123856	0.213648	-5.2565
IQUB	0.229237	-0.10499	1.60094	0.126003	0.216457	-5.25651
MC3R	-0.2027	-0.01026	-1.60079	0.126036	0.216457	-5.25673
ARMC2	-0.67902	0.526375	-1.60655	0.123934	0.213745	-5.25702
MAP3K13	-0.36113	0.115868	-1.6063	0.123987	0.213789	-5.25737
SNRNP40	-0.37297	0.301223	-1.6063	0.123989	0.213789	-5.25738
MYO7B	-0.44623	0.632341	-1.60619	0.124013	0.213794	-5.25754
ABCB9	-0.48522	0.788218	-1.60604	0.124045	0.213824	-5.25775
ADH1B	0.525153	-0.43783	1.59275	0.128755	0.219969	-5.25816
FAU	0.46112	-0.37913	1.60558	0.124146	0.213937	-5.25842
VCY	0.285913	-0.24634	1.605545	0.124154	0.213937	-5.25847
TMEM57	-0.25209	0.428813	-1.60502	0.12427	0.214116	-5.25923
IRF3	0.214259	0.178886	1.604968	0.124282	0.214116	-5.25931
MIS12	-0.39134	0.110834	-1.60492	0.124291	0.214116	-5.25938
PAGE4	0.561358	-0.4286	1.559911	0.137348	0.231143	-5.25959
GBP5	-0.98758	0.628135	-1.60469	0.124343	0.214187	-5.25972
SHPRH	-0.6858	0.662321	-1.60459	0.124364	0.214205	-5.25986
TBC1D29	-0.22298	-0.1517	-1.60451	0.124384	0.214219	-5.25998
TMEM119	-0.74274	0.671255	-1.60397	0.124502	0.214404	-5.26076
LRPPRC	0.513578	-0.38152	1.603494	0.124607	0.214548	-5.26146

JPH3	0.282342	-0.20144	1.603245	0.124662	0.214605	-5.26182
SRR	-0.52317	0.505691	-1.60313	0.124688	0.214611	-5.26198
CKS2	-0.72452	-0.03935	-1.60296	0.124726	0.214658	-5.26223
B4GALNT2	0.359672	-0.22759	1.596941	0.126894	0.217625	-5.26229
IFT52	0.236747	-0.22021	1.602727	0.124777	0.214709	-5.26257
BRD2	-0.60442	0.772559	-1.60233	0.124866	0.214842	-5.26315
ROS1	0.357565	-0.28067	1.569226	0.133216	0.225741	-5.26355
ZNF32	-0.58763	0.327011	-1.60161	0.125024	0.215077	-5.26419
SARS	-0.22622	0.310758	-1.60161	0.125024	0.215077	-5.26419
BCRP2	-0.303	0.338951	-1.60133	0.125087	0.215158	-5.2646
SORBS2	0.657135	-0.24955	1.474232	0.159985	0.260795	-5.26475
KDM4D	-0.67267	0.458188	-1.60109	0.125141	0.215221	-5.26495
HOXB3	-0.38514	0.513717	-1.60046	0.12528	0.215441	-5.26586
PPP1R15B	-0.47385	0.190061	-1.59982	0.125422	0.215666	-5.26679
NRD1	-0.36861	0.28877	-1.5997	0.125449	0.215684	-5.26696
CPXM2	-0.55286	-0.07789	-1.59368	0.127624	0.218532	-5.26699
C10orf2	-0.53042	0.647007	-1.59945	0.125505	0.215752	-5.26733
RTN4RL1	0.470409	0.135638	1.599121	0.125578	0.21586	-5.26781
AKAP11	-0.64249	0.278763	-1.59873	0.125665	0.21599	-5.26837
PCDHB15	-0.32231	0.076839	-1.59853	0.125709	0.216046	-5.26866
DNASE1	-0.55943	0.57754	-1.59818	0.125788	0.216163	-5.26917
SRP68	-0.33334	0.270012	-1.59772	0.12589	0.21632	-5.26984
HMG20A	-0.56574	0.469788	-1.59737	0.125969	0.216436	-5.27035
GAB1	-0.6857	0.367012	-1.44922	0.171212	0.274752	-5.27051
VPS37B	-0.31405	0.395242	-1.59718	0.126011	0.216457	-5.27062
MC2R	0.331972	-0.22254	1.59708	0.126034	0.216457	-5.27077
NCKAP5L	-0.30875	0.189121	-1.59708	0.126034	0.216457	-5.27077
CSRP3	-0.31356	0.120501	-1.59074	0.128286	0.219403	-5.27122
RDH14	-0.67887	0.149789	-1.59669	0.126121	0.216583	-5.27133
NME3	0.305992	-0.19008	1.59637	0.126192	0.216687	-5.2718
PTX3	-0.75204	0.559594	-1.59627	0.126214	0.216705	-5.27194
NUB1	-0.4089	0.446876	-1.59616	0.126239	0.216728	-5.2721
IRF6	-0.5641	0.046983	-1.59011	0.12843	0.219605	-5.27214
SHB	-0.36049	0.482763	-1.59564	0.126356	0.21691	-5.27286
MCHR2	-0.39323	-0.03878	-1.59549	0.12639	0.21695	-5.27308
MFSD1	-0.44564	-0.24919	-1.59527	0.126439	0.217015	-5.27339
UNC13D	0.303715	0.025181	1.595129	0.12647	0.21705	-5.2736
HEATR5B	0.302632	-0.08093	1.589017	0.128676	0.21991	-5.27371
IL22RA2	-0.30214	0.061941	-1.59498	0.126504	0.217088	-5.27381
TGM4	0.31098	-0.05924	1.588786	0.128728	0.219961	-5.27404
RNF152	-0.52238	0.216944	-1.59453	0.126606	0.217244	-5.27447
RAD23B	-0.28907	0.350291	-1.59447	0.126619	0.217248	-5.27456
BCKDHA	0.302457	-0.1981	1.594277	0.126661	0.217302	-5.27483
MCF2	-0.4908	0.166505	-1.58042	0.131553	0.223657	-5.27579
CAPNS1	-0.31198	0.369355	-1.59351	0.126833	0.217577	-5.27594
PDIA6	-0.29598	0.327065	-1.59337	0.126864	0.217612	-5.27614
KRT24	0.418334	-0.54928	1.51486	0.148325	0.245466	-5.27654

SLC4A8	0.320533	-0.10105	1.592953	0.126959	0.217716	-5.27675
LSM14A	0.249922	-0.45987	1.592405	0.127082	0.217844	-5.27754
SENP7	-0.76607	0.342767	-1.59238	0.127088	0.217844	-5.27758
GALP	-0.50698	0.03713	-1.59186	0.127204	0.218022	-5.27832
SGMS2	-0.51452	0.249864	-1.59158	0.127268	0.218112	-5.27873
PCM1	-0.34768	0.024941	-1.59145	0.127297	0.218144	-5.27892
PDGFRA	-0.45885	0.041105	-1.58531	0.129515	0.22096	-5.27903
GORAB	-0.59054	0.071924	-1.59127	0.127338	0.218195	-5.27918
SEC14L3	-0.53261	-0.09313	-1.59116	0.127363	0.218218	-5.27934
HIST1H3J	-0.56663	0.484207	-1.59102	0.127393	0.218232	-5.27953
NDUFA11	0.24645	-0.21178	1.590957	0.127408	0.218235	-5.27963
ALDH3B2	0.290911	-0.18373	1.590918	0.127417	0.218235	-5.27969
LOC100507	-0.64295	0.246896	-1.57768	0.132182	0.224477	-5.2797
TMED10P1	0.265544	-0.16828	1.577471	0.13223	0.224535	-5.28
UBR5	-0.82117	0.465473	-1.58427	0.129752	0.221209	-5.28052
C9orf84	0.60004	-0.11323	1.59028	0.127561	0.218462	-5.28061
PACSIN1	0.662929	-0.04331	1.590081	0.127606	0.21852	-5.2809
AHSA1	-0.42517	0.566873	-1.58983	0.127663	0.218579	-5.28126
DLGAP2	-0.44133	0.234747	-1.58965	0.127704	0.218631	-5.28153
LOC440331	-0.21423	0.07631	-1.58952	0.127732	0.218647	-5.28171
TNFSF14	0.364424	0.014375	1.589504	0.127736	0.218647	-5.28173
C16orf89	0.58489	-0.24673	1.556043	0.136315	0.229779	-5.28223
GLT8D2	-0.48112	0.133365	-1.58308	0.130024	0.221616	-5.28223
RASSF7	0.373454	-0.09831	1.589029	0.127843	0.218812	-5.28242
UQCRC2	-0.29809	0.302155	-1.58879	0.127897	0.218852	-5.28276
WDR61	-0.33419	0.009007	-1.58878	0.1279	0.218852	-5.28278
DLX4	0.535843	-0.55051	1.305604	0.212936	0.325501	-5.28284
KRT23	0.751443	0.260367	1.588473	0.127969	0.218944	-5.28322
PRPF4	-0.21118	0.05465	-1.58844	0.127976	0.218944	-5.28327
PPME1	-0.58696	0.927186	-1.58781	0.12812	0.21917	-5.28418
RBM12	-0.57099	0.009424	-1.54885	0.138951	0.23334	-5.2844
ZNF672	0.209078	-0.07032	1.587646	0.128156	0.219214	-5.28441
ACBD4	-0.33592	0.511859	-1.58706	0.12829	0.219403	-5.28526
ARL2BP	0.403454	-0.3084	1.580883	0.130526	0.222374	-5.28538
LOC100271	-0.39053	-0.08136	-1.54798	0.139159	0.233648	-5.28561
AKR7A3	0.361709	0.091381	1.586479	0.128421	0.219605	-5.2861
CLASP1	-0.44588	0.152708	-1.5731	0.133239	0.225759	-5.28622
MPV17L2	-0.23133	0.189424	-1.58614	0.128498	0.219699	-5.28659
TMEM93	-0.30704	0.004934	-1.5861	0.128507	0.219699	-5.28664
KRT18	-0.34128	0.161027	-1.58575	0.128586	0.219814	-5.28714
GUCY2C	0.229891	-0.10631	1.585704	0.128597	0.219814	-5.28721
SDR16C5	0.320807	-0.16442	1.579545	0.130832	0.222747	-5.2873
SATB1	0.416397	-0.23283	1.585567	0.128628	0.219848	-5.28741
SPHK1	0.359991	0.177549	1.585293	0.128691	0.219917	-5.28781
THAP7-AS1	0.76839	0.044164	1.551919	0.137296	0.231076	-5.28805
ARFIP1	0.34734	-0.56318	1.585072	0.128741	0.219964	-5.28813
ICT1	-0.35927	0.275372	-1.58496	0.128767	0.21997	-5.28829

GTPBP1	-0.34819	0.224654	-1.58477	0.128809	0.220023	-5.28856
PSEN2	-0.33835	0.429342	-1.58454	0.128862	0.220095	-5.2889
UTP14A	-0.46074	0.636864	-1.58445	0.128882	0.22011	-5.28902
C4orf22	0.613104	-0.67313	1.545171	0.139835	0.234562	-5.28954
IFITM2	-0.48402	0.485553	-1.58407	0.128969	0.220236	-5.28957
WARS	-0.68264	0.379331	-1.58403	0.128978	0.220236	-5.28963
LHX6	-0.266	0.116295	-1.57044	0.133854	0.226605	-5.28998
CARKD	-0.25585	0.032004	-1.58343	0.129114	0.220447	-5.29048
RPRD1A	-0.73052	0.390872	-1.58321	0.129165	0.220498	-5.29081
MYO16	-0.54708	0.045977	-1.58291	0.129233	0.220593	-5.29124
CDH1	0.492344	-0.39216	1.582823	0.129253	0.220609	-5.29137
FLJ41350	-0.51372	0.227964	-1.58263	0.129298	0.220665	-5.29165
OCRL	0.455731	-0.27493	1.581948	0.129453	0.220911	-5.29262
LOC641746	-0.46441	0.242621	-1.54853	0.138108	0.232182	-5.29282
RPS4X	0.603659	-0.0545	1.5817	0.12951	0.22096	-5.29298
LRRN3	1.003435	-0.47335	1.581677	0.129515	0.22096	-5.29301
PEX11A	-0.37983	0.115867	-1.57547	0.131769	0.223986	-5.29313
EP400	-0.34304	0.48956	-1.58145	0.129567	0.221016	-5.29334
ZNF84	-0.60761	0.365392	-1.58143	0.129571	0.221016	-5.29337
KIAA0020	-0.44595	0.305798	-1.58132	0.129596	0.22104	-5.29353
FAIM3	-0.53201	0.888628	-1.58117	0.12963	0.221062	-5.29374
CENPP	-0.44287	0.210266	-1.58117	0.129631	0.221062	-5.29375
KRT77	1.784805	-0.56775	0.795189	0.463513	0.585676	-5.29375
PARD3B	-0.61602	0.352077	-1.57485	0.131912	0.224099	-5.29401
RANGAP1	-0.48769	0.885662	-1.58071	0.129735	0.221201	-5.2944
SPNS1	0.302533	0.076138	1.580099	0.129876	0.221402	-5.29528
RDBP	-0.26387	0.269827	-1.57968	0.129973	0.221548	-5.29589
C9orf128	0.570793	-0.57639	1.450404	0.166429	0.268794	-5.2962
CALHM3	0.46141	-0.15326	1.545811	0.138761	0.2331	-5.29664
FAM113B	0.661237	-0.09874	1.579037	0.130119	0.221759	-5.29681
KRTAP3-2	-0.27028	-0.01553	-1.57749	0.130474	0.222324	-5.29903
NEIL3	0.327912	0.008725	1.563961	0.135367	0.228595	-5.29917
PIM2	0.397127	0.123808	1.577361	0.130505	0.222357	-5.29922
RGPD6	0.305823	-0.50691	1.554964	0.138519	0.232774	-5.29956
CCDC39	-0.35027	0.139635	-1.57704	0.130579	0.222446	-5.29968
LEO1	-0.25392	0.255769	-1.57682	0.130629	0.222511	-5.29999
TTC27	0.403011	-0.31949	1.576542	0.130693	0.222589	-5.30039
UBN2	-0.27102	-0.25841	-1.56297	0.135599	0.228927	-5.30057
SLC12A6	-0.54363	0.401414	-1.57623	0.130766	0.222671	-5.30084
GHRHR	-0.40203	0.163952	-1.57622	0.130768	0.222671	-5.30086
FAM54B	-0.2106	0.127291	-1.57592	0.130836	0.222747	-5.30128
CRTC3	-0.45648	0.096314	-1.57557	0.130917	0.222866	-5.30179
LOC728393	-0.32374	0.495696	-1.5754	0.130955	0.222892	-5.30203
DDX28	0.335768	-0.17842	1.575122	0.131021	0.222984	-5.30243
S100Z	-0.52258	0.356843	-1.57494	0.131062	0.223035	-5.30269
SEMA7A	0.576687	-0.24497	1.535291	0.142233	0.237649	-5.30333
ATG16L1	-0.47388	0.34058	-1.57445	0.131176	0.22321	-5.3034

TPRKB	-0.5687	0.107133	-1.56076	0.13612	0.22949	-5.30369
LCAT	-0.2128	0.536204	-1.57354	0.131386	0.223529	-5.3047
ZFHx4	0.387797	-0.29523	1.567341	0.133656	0.226309	-5.30472
BANP	-0.39845	0.767056	-1.57337	0.131425	0.22357	-5.30494
OR1F2P	0.287008	-0.22789	1.57324	0.131456	0.22357	-5.30513
TRMT1L	-0.58604	0.091449	-1.57322	0.13146	0.22357	-5.30515
CDCA4	0.297421	-0.06816	1.573185	0.131468	0.22357	-5.30521
RHOC	0.402606	0.096676	1.57314	0.131479	0.22357	-5.30527
CCDC137	-0.3412	0.374271	-1.5729	0.131535	0.223646	-5.30562
DTX4	-0.22703	0.222234	-1.56639	0.133879	0.226628	-5.30608
LOC25541:	0.411115	-0.04649	1.565536	0.134078	0.226906	-5.30729
ZCCHC4	-0.47692	0.430803	-1.5717	0.131813	0.22404	-5.30734
HFM1	0.586254	-0.0242	1.571421	0.131877	0.224099	-5.30773
TMEM109	-0.49827	0.674268	-1.5714	0.131882	0.224099	-5.30776
TSSK1B	-0.30156	0.058219	-1.57131	0.131903	0.224099	-5.30789
FBXO5	-0.59425	0.44701	-1.57125	0.131916	0.224099	-5.30797
C16orf95	-0.39009	0.523935	-1.57068	0.13205	0.224308	-5.3088
PGBD5	0.17715	-0.03977	1.570477	0.132096	0.224367	-5.30909
LOC10065:	0.436043	-0.27452	1.536706	0.140968	0.23612	-5.30941
CIAPIN1	-0.235	0.07896	-1.5701	0.132184	0.224477	-5.30963
ZNF707	-0.33266	0.47427	-1.56978	0.132258	0.224544	-5.31008
B3GALNT2	-0.40947	0.435278	-1.56951	0.132322	0.224633	-5.31047
GUSBP4	0.454423	-0.43389	1.555331	0.137404	0.231201	-5.31135
SPINK1	0.303615	-0.30154	1.568752	0.132498	0.224893	-5.31155
PODN	-0.29881	0.071119	-1.56252	0.134785	0.227769	-5.31157
RBFOX1	0.643369	-0.74861	1.346367	0.211596	0.32378	-5.31185
MAP3K6	-0.34792	0.312864	-1.56851	0.132554	0.224969	-5.3119
APEH	-0.21674	0.209298	-1.56834	0.132595	0.225018	-5.31215
OR52A1	-0.20821	-0.03528	-1.55471	0.137551	0.231365	-5.31222
RCN1	-0.49381	0.618158	-1.56794	0.132686	0.225154	-5.31271
CDKN2D	-0.32762	0.02678	-1.56789	0.132699	0.225157	-5.31279
KIAA2022	-0.33859	0.052924	-1.56778	0.132724	0.22518	-5.31294
TMEM213	0.480007	-0.8945	1.521432	0.146679	0.243426	-5.31304
DCST2	0.28715	-0.2491	1.567606	0.132765	0.225229	-5.31319
CASP7	-0.64727	0.692683	-1.56135	0.135061	0.228177	-5.31324
ELP3	-0.56871	0.675073	-1.56735	0.132825	0.225311	-5.31356
ALKBH7	0.390382	-0.32341	1.567238	0.132851	0.225336	-5.31372
HIST1H4A	0.244425	-0.13178	1.567102	0.132883	0.225354	-5.31391
KIF4A	-0.56248	0.59937	-1.56709	0.132884	0.225354	-5.31392
METTLL18	-0.40592	0.130991	-1.56694	0.132921	0.225377	-5.31415
LOC20202:	-0.73213	0.727556	-1.56683	0.132947	0.225401	-5.3143
NGF	-0.26089	0.011462	-1.56657	0.133007	0.225484	-5.31467
ATF7IP2	0.562733	-0.1693	1.566449	0.133035	0.225512	-5.31484
ANGEL2	-0.55712	0.306177	-1.56638	0.133051	0.225519	-5.31494
TDRG1	0.24578	-0.29058	1.566216	0.13309	0.225565	-5.31518
C1QTNF2	0.24438	-0.42249	1.566005	0.133139	0.225629	-5.31548
FBF1	0.180687	0.020919	1.565393	0.133282	0.225804	-5.31635

HIF3A	-0.29486	0.116943	-1.56537	0.133288	0.225804	-5.31639
FBXO40	0.230757	-0.20364	1.565152	0.133339	0.22587	-5.3167
GPC2	0.339241	-0.26163	1.564982	0.133379	0.225918	-5.31694
DRD1	0.773571	-0.33899	1.434345	0.170891	0.27426	-5.31717
DEPDC7	0.560939	-0.24645	1.56474	0.133435	0.225994	-5.31728
ECM1	-0.45201	0.639897	-1.56466	0.133453	0.226005	-5.31739
BSG	0.569403	0.123247	1.563885	0.133636	0.226295	-5.3185
EPHA2	0.56132	-0.29632	1.489042	0.153918	0.253094	-5.31889
FAM197Y2	-0.39971	0.035542	-1.56301	0.13384	0.226602	-5.31975
LOC100501	0.40973	-0.66476	1.529116	0.142831	0.238475	-5.32
PIM1	0.316017	-0.41481	1.562267	0.134016	0.226837	-5.32081
LAP3	-0.66035	0.15155	-1.56223	0.134025	0.226837	-5.32087
NAA25	-0.39224	-0.01363	-1.55555	0.136432	0.229878	-5.32145
TPPP3	0.853442	0.338255	1.561668	0.134157	0.227001	-5.32166
TM4SF20	0.226029	-0.07372	1.561667	0.134157	0.227001	-5.32167
ICMT	-0.3228	0.209162	-1.56158	0.134177	0.227016	-5.32179
ERCC5	-0.23234	0.088582	-1.56148	0.134202	0.227034	-5.32194
AFAP1-AS1	-0.22809	-0.10576	-1.56144	0.134211	0.227034	-5.32199
TMEM179	0.250389	-0.207	1.561216	0.134263	0.227102	-5.32231
FANCE	0.257872	-0.08803	1.561164	0.134275	0.227103	-5.32238
DIS3L	0.330049	-0.13576	1.561095	0.134292	0.227111	-5.32248
PTPMT1	-0.41521	0.259014	-1.5609	0.134339	0.227171	-5.32277
NLRC3	0.449744	-0.16149	1.560777	0.134367	0.227199	-5.32293
UBC	-0.29646	0.167441	-1.56063	0.134402	0.22722	-5.32315
SLC44A2	-0.41251	0.425018	-1.56062	0.134403	0.22722	-5.32315
MSC	-0.43387	0.292707	-1.56055	0.134421	0.227231	-5.32326
CD69	-0.77432	-0.02036	-1.55354	0.136909	0.230522	-5.32429
HTRA1	1.088748	-0.23141	1.494415	0.15599	0.255686	-5.32473
TAS2R31	0.246405	-0.26208	1.559368	0.134699	0.227682	-5.32494
C10orf88	-0.44892	0.156812	-1.55303	0.13703	0.230707	-5.32501
MANF	0.299702	0.033951	1.55929	0.134718	0.227694	-5.32505
OGFR	0.230724	0.006054	1.559072	0.134769	0.227761	-5.32536
NPR2	0.419651	0.037181	1.55855	0.134893	0.227931	-5.3261
LOC100137	-0.33479	0.163066	-1.55791	0.135043	0.228165	-5.32701
LOC100129	-0.3458	-0.17633	-1.52399	0.1441	0.24017	-5.32714
KRT12	-0.31065	-0.04744	-1.55756	0.135127	0.228261	-5.32751
CCDC92	0.378973	0.050669	1.557527	0.135135	0.228261	-5.32756
RAB23	-0.30733	0.035263	-1.52367	0.14418	0.240206	-5.32758
EVI2A	-0.93507	-0.49093	-1.55728	0.135193	0.22834	-5.32791
TTY2	-0.46598	0.320186	-1.55691	0.135281	0.228468	-5.32843
TMEM72	0.235213	-0.22306	1.556236	0.135441	0.228699	-5.32939
ESPNL	0.33329	-0.09406	1.556095	0.135474	0.228736	-5.32959
PRKCZ	0.468383	0.046245	1.555448	0.135628	0.228956	-5.33051
LRIG2	-0.28924	0.150265	-1.55513	0.135704	0.229054	-5.33097
PHF14	-0.42985	0.326423	-1.55511	0.135709	0.229054	-5.331
HTR4	0.307042	-0.30431	1.554796	0.135783	0.229158	-5.33144
CCDC167	-0.4479	0.218492	-1.55474	0.135795	0.229159	-5.33151

PMM2	-0.43804	0.278783	-1.55465	0.135818	0.229178	-5.33165
BLK	-0.44166	0.688008	-1.55442	0.135871	0.229248	-5.33197
NUFIP2	-0.34265	-0.19055	-1.55423	0.135916	0.229276	-5.33224
ARAP1	-0.29286	0.351462	-1.55422	0.13592	0.229276	-5.33226
LOC100125	-0.43274	0.455373	-1.55421	0.135923	0.229276	-5.33228
EEF2K	0.409674	0.123875	1.554055	0.135959	0.229317	-5.33249
ANKRD9	0.653414	0.19955	1.553913	0.135993	0.229336	-5.33269
PRB2	0.200701	-0.05595	1.553911	0.135993	0.229336	-5.33269
FAM92A1	-0.51712	0.190466	-1.5535	0.136092	0.229482	-5.33328
ZFYVE28	0.556392	-0.02311	1.553402	0.136114	0.22949	-5.33342
LOC100506	0.499123	-0.07998	1.477796	0.156876	0.256898	-5.33409
MT1H	0.57754	-0.07155	1.552587	0.136309	0.229779	-5.33457
C17orf63	-0.32122	0.337593	-1.55246	0.13634	0.229797	-5.33476
CCDC140	0.742241	-0.02241	1.552418	0.136349	0.229797	-5.33481
MAP2K5	0.304064	-0.06092	1.552294	0.136379	0.229827	-5.33499
ZNF654	-0.34434	0.042572	-1.55224	0.136391	0.229828	-5.33506
ZNF527	0.417618	-0.64793	1.517939	0.14561	0.242136	-5.33553
TRIM33	0.311129	-0.3584	1.551797	0.136497	0.229968	-5.33569
KIAA1958	-0.69964	0.416767	-1.53785	0.141608	0.236949	-5.33587
MANBA	-0.36481	0.170885	-1.55144	0.136584	0.230094	-5.33621
LGR4	0.464625	-0.39602	1.551298	0.136617	0.230129	-5.3364
KLHL34	0.394954	-0.08561	1.55088	0.136716	0.230278	-5.33699
MGC16275	-0.32332	0.422676	-1.5507	0.136759	0.23033	-5.33725
DMRTC1	0.602583	-0.6338	1.550135	0.136895	0.230519	-5.33805
CNTNAP2	0.484523	-0.10198	1.543224	0.139385	0.233963	-5.33884
CHAMP1	-0.31122	0.195638	-1.5494	0.13707	0.230752	-5.33909
MACC1	-0.4872	0.09745	-1.54934	0.137086	0.230752	-5.33918
LIN37	-0.20455	0.30596	-1.54931	0.137092	0.230752	-5.33922
NMRAL1	0.426979	-0.23295	1.548001	0.137406	0.231201	-5.34107
ASGR1	0.661888	-0.09881	1.54765	0.137491	0.231318	-5.34157
ODF2	0.41958	0.107217	1.547595	0.137504	0.231318	-5.34165
ATG2A	0.247252	0.07148	1.547565	0.137511	0.231318	-5.34169
SMYD4	0.394774	-0.17184	1.546489	0.13777	0.231714	-5.34321
ZNF850	-0.33496	-0.09402	-1.53247	0.142925	0.238588	-5.34338
ANXA11	-0.30302	0.392439	-1.54619	0.137842	0.231815	-5.34363
NRAP	-0.37671	-0.26034	-1.51192	0.147125	0.244053	-5.34386
GTF2B	-0.3631	0.021191	-1.5459	0.137911	0.231912	-5.34404
SERF1A	0.514118	0.192528	1.511737	0.147172	0.244111	-5.34411
FAM96A	-0.41313	-0.17931	-1.54557	0.13799	0.232005	-5.3445
PNMT	0.365802	0.182909	1.544852	0.138164	0.232239	-5.34552
IDS	-0.35922	0.322969	-1.54485	0.138165	0.232239	-5.34553
LOC151306	0.347255	-0.52929	1.510489	0.147488	0.244428	-5.34584
KIF25	0.456473	-0.16169	1.544574	0.138231	0.23233	-5.34592
TMTC2	0.524532	-0.27548	1.497253	0.152809	0.251481	-5.34612
CBY3	0.446673	-0.11644	1.537319	0.140819	0.235951	-5.34713
IKZF5	-0.82918	0.290392	-1.54361	0.138463	0.2327	-5.34727
TBC1D23	-0.30416	0.034629	-1.54314	0.138578	0.232853	-5.34794

SNRPE	0.460078	-0.85641	1.53649	0.141021	0.236168	-5.34829
RBM42	0.23157	-0.00738	1.54269	0.138687	0.233015	-5.34858
DUSP16	-0.25857	0.060959	-1.54239	0.13876	0.2331	-5.349
SLITRK3	0.336054	-0.07193	1.535743	0.141204	0.236413	-5.34934
SEMA3C	-0.28976	0.17371	-1.54186	0.138887	0.233274	-5.34974
PSMB4	-0.21952	-0.0604	-1.54185	0.138891	0.233274	-5.34977
TMEM99	0.443769	-0.23432	1.54181	0.1389	0.233274	-5.34982
C14orf183	-0.65325	0.398885	-1.53495	0.141397	0.236676	-5.35045
CAMK2B	0.23974	0.012635	1.50658	0.148481	0.245645	-5.35123
BOLA3	-0.43632	0.277068	-1.54079	0.139148	0.233648	-5.35126
COL19A1	-0.35519	0.122194	-1.54061	0.13919	0.233681	-5.35151
CD52	0.916253	-0.92427	1.540213	0.139287	0.233824	-5.35207
COPS2	-0.63047	-0.58674	-1.53977	0.139394	0.233963	-5.35269
INPP5B	-0.30966	0.539827	-1.5395	0.13946	0.234053	-5.35307
OTUD5	-0.54858	0.979968	-1.53937	0.139491	0.234086	-5.35325
RPL11	0.566651	-0.44272	1.539226	0.139527	0.234126	-5.35346
C17orf104	0.538541	-0.10771	1.539159	0.139543	0.234133	-5.35355
CAPZA3	0.417011	-0.43389	1.538499	0.139704	0.234383	-5.35448
CUL2	-0.22074	0.04436	-1.53201	0.142117	0.237476	-5.35456
LINC00282	-0.60181	0.885405	-1.53838	0.139733	0.234412	-5.35465
IQCF6	0.341814	-0.27264	1.523609	0.145112	0.241493	-5.35569
HCFC2	-0.32671	0.046849	-1.53764	0.139913	0.234654	-5.3557
SSTR4	0.255707	-0.25514	1.53707	0.140052	0.234867	-5.3565
MST4	-0.39985	-0.23643	-1.53674	0.140134	0.234983	-5.35697
PPCDC	0.288585	-0.02344	1.536538	0.140182	0.235027	-5.35724
COL14A1	0.324252	0.028729	1.536531	0.140184	0.235027	-5.35725
GNG8	0.64053	0.01087	1.5364	0.140216	0.235061	-5.35744
USP5	-0.43785	0.751811	-1.53625	0.140252	0.235102	-5.35765
OAZ1	-0.22276	0.117532	-1.53572	0.140382	0.235299	-5.35839
STS	-0.5371	0.605208	-1.53541	0.140457	0.235405	-5.35883
FSCB	0.132764	-0.0295	1.521245	0.145701	0.242225	-5.35897
AREG	-0.95724	0.690107	-1.51173	0.149115	0.24652	-5.35953
CNGA4	-0.41674	0.35988	-1.52841	0.143005	0.238675	-5.3596
MMP14	-0.46275	-0.45755	-1.53475	0.14062	0.235657	-5.35976
PRB1	-0.21478	0.042956	-1.53396	0.140812	0.235951	-5.36087
ADPRH	-0.64358	0.576562	-1.53379	0.140853	0.235988	-5.3611
RHOF	-0.48174	0.740905	-1.53347	0.140934	0.236102	-5.36156
RIPK2	-0.4121	0.106464	-1.5334	0.140949	0.236108	-5.36165
THEM4	-0.376	0.174217	-1.53324	0.14099	0.236135	-5.36188
IQCB1	-0.47727	0.152888	-1.49861	0.150522	0.248498	-5.36218
LINC00340	0.305477	-0.21635	1.53251	0.141168	0.236395	-5.36291
RPL30	0.710557	-0.71412	1.532397	0.141196	0.236413	-5.36307
GRIP2	-0.38469	0.059514	-1.53219	0.141246	0.236464	-5.36335
SMS	0.232886	-0.15505	1.532134	0.141261	0.236468	-5.36343
FAM43A	-0.30645	0.758427	-1.53137	0.141447	0.23674	-5.3645
LOC25517	-0.46819	-0.48305	-1.53129	0.141467	0.236753	-5.36461
Mar-10	0.275029	-0.24754	1.530932	0.141556	0.236882	-5.36512

EDN2	-0.31862	0.008709	-1.53066	0.141624	0.236955	-5.36551
AMDHD1	0.313216	-0.0599	1.530523	0.141657	0.23699	-5.36569
PHPT1	0.345338	0.005461	1.530439	0.141678	0.237004	-5.36581
RBM26-AS	0.49844	-0.41376	1.423949	0.176576	0.281747	-5.36583
KIAA1826	0.404718	-0.21339	1.523835	0.144139	0.240178	-5.36597
FN3K	0.256489	-0.11924	1.530312	0.141709	0.237037	-5.36599
HCST	0.340979	-0.17419	1.530108	0.141759	0.237085	-5.36628
MANEA	-0.43251	0.06572	-1.53009	0.141763	0.237085	-5.3663
CXCR7	0.578703	-0.41992	1.530046	0.141774	0.237085	-5.36636
PCDHB6	-0.44555	0.089111	-1.52999	0.141789	0.237089	-5.36644
C21orf59	-0.26988	0.388326	-1.52988	0.141814	0.237112	-5.36659
MYL2	0.220824	-0.38563	1.523316	0.144267	0.240319	-5.3667
HVCN1	0.45806	-0.02935	1.529358	0.141944	0.237307	-5.36733
LOC100129	0.301502	-0.38358	1.529312	0.141955	0.237307	-5.36739
PHLDB3	0.433946	0.024063	1.529206	0.141982	0.237331	-5.36754
OR7C2	-0.30107	0.043141	-1.52878	0.142087	0.237472	-5.36814
BCO2	-0.6289	0.322628	-1.52876	0.142091	0.237472	-5.36816
TM2D3	-0.33618	-0.16559	-1.52867	0.142113	0.237476	-5.36829
SRP19	-0.64815	0.673067	-1.52799	0.142281	0.237709	-5.36924
OTOR	0.677334	0.172963	1.527874	0.142311	0.237739	-5.36941
NLN	-0.52145	0.353944	-1.52767	0.142362	0.237804	-5.3697
CDH22	0.197081	-0.21429	1.527479	0.142408	0.237861	-5.36996
CORO7	0.274525	-0.05513	1.52675	0.142589	0.238142	-5.37098
GH1	-0.38976	0.231282	-1.52661	0.142624	0.23818	-5.37118
GPR176	0.274306	-0.17362	1.526471	0.142658	0.238217	-5.37137
ANO6	0.60464	-0.08873	1.52575	0.142837	0.238475	-5.37238
IL2	-0.31747	0.119107	-1.5251	0.142997	0.238675	-5.37329
HSPB7	0.371047	-0.21701	1.524704	0.143096	0.238806	-5.37384
MRPL40	-0.40349	0.233035	-1.52465	0.143109	0.238807	-5.37392
USE1	-0.28879	0.410382	-1.52456	0.143131	0.238824	-5.37404
LGALSL	0.477983	-0.0443	1.524235	0.143213	0.23894	-5.3745
FLJ37644	-0.27246	0.057359	-1.51768	0.145675	0.242202	-5.37453
FUNDC1	0.321653	-0.19426	1.523928	0.143289	0.239047	-5.37493
SPOCK1	0.56667	-0.27381	1.517371	0.145753	0.242291	-5.37496
C2orf81	0.398136	-0.02591	1.523215	0.143466	0.239322	-5.37593
LOC390940	0.304012	-0.03758	1.522913	0.143541	0.239427	-5.37635
MAGEC1	0.260868	-0.1088	1.522826	0.143563	0.239443	-5.37647
CLUAP1	-0.50615	0.443971	-1.52228	0.1437	0.23962	-5.37723
WIZ	-0.2822	0.345095	-1.52226	0.143705	0.23962	-5.37726
INSM1	-0.4971	0.145106	-1.52225	0.143706	0.23962	-5.37727
FAM3C	-0.57166	0.334193	-1.52171	0.143842	0.239824	-5.37803
MLLT4	-0.20225	0.025506	-1.52166	0.143853	0.239824	-5.37809
SLC22A23	0.628272	0.002094	1.521152	0.143981	0.240017	-5.37881
FRRS1	-0.48996	-0.00225	-1.52098	0.144023	0.240068	-5.37905
AARSD1	-0.33826	0.393478	-1.52064	0.14411	0.24017	-5.37953
ARID2	0.21402	-0.49398	1.520527	0.144137	0.240178	-5.37968
UBE2T	-0.55537	0.157147	-1.52044	0.144159	0.240192	-5.37981

SCARB2	-0.59418	0.482039	-1.51998	0.144272	0.240319	-5.38044
GP1BB	0.519922	0.301458	1.519876	0.144299	0.240343	-5.38059
CDC20	0.437334	-0.49242	1.518524	0.144638	0.240887	-5.38247
PAF1	-0.43165	0.496083	-1.51798	0.144775	0.241094	-5.38323
URGCP	0.348711	0.133907	1.51777	0.144827	0.241153	-5.38352
HLA-DOB	-0.57123	0.55594	-1.51774	0.144835	0.241153	-5.38357
GPR157	0.199834	-0.12202	1.517665	0.144853	0.241163	-5.38367
MT1G	0.679789	-0.09717	1.517566	0.144878	0.241184	-5.38381
COL24A1	-0.31518	0.150452	-1.51094	0.147373	0.244321	-5.38387
SLC6A14	0.376623	-0.10704	1.517178	0.144975	0.241325	-5.38435
PYGB	0.362089	0.124302	1.517131	0.144987	0.241325	-5.38441
FKBP6	0.267982	-0.0724	1.482079	0.154831	0.254276	-5.38476
ILK	-0.28917	0.336852	-1.51663	0.145113	0.241493	-5.38511
ALPPL2	0.236523	-0.21472	1.516362	0.14518	0.241585	-5.38548
SNCAIP	0.256894	-0.36461	1.467855	0.160546	0.261535	-5.3858
FBXO44	-0.35894	0.548622	-1.51607	0.145254	0.241687	-5.38589
EGR2	-0.68338	0.452896	-1.51558	0.145377	0.241871	-5.38657
RPUSD3	-0.31712	0.488498	-1.51549	0.145399	0.241887	-5.3867
TAF6L	0.348197	0.102844	1.515299	0.145448	0.241948	-5.38696
FAT3	0.193989	-0.06913	1.515207	0.145471	0.241966	-5.38709
HTATSF1	-0.34807	-0.02486	-1.51493	0.14554	0.24204	-5.38748
B4GALNT3	-0.40311	0.352215	-1.51448	0.145653	0.242186	-5.3881
LOC100501	-0.39611	0.060312	-1.50769	0.148198	0.245357	-5.38837
LENG8	-0.36607	0.1291	-1.51386	0.145811	0.242366	-5.38897
SOX7	-0.3286	-0.05314	-1.51374	0.145841	0.242396	-5.38914
CBLC	0.304056	-0.15806	1.51369	0.145853	0.242396	-5.3892
FAM84A	-0.17885	0.03577	-1.51355	0.145888	0.242433	-5.38939
RPS12	0.397112	0.079049	1.513457	0.145912	0.242452	-5.38953
ZNF480	-0.50126	0.749748	-1.51316	0.145987	0.242556	-5.38994
MAP7D1	-0.22068	0.378017	-1.51256	0.146138	0.242787	-5.39077
FPR3	0.305948	-0.61307	1.477315	0.159167	0.259741	-5.39101
FAM170A	-0.32757	0.124642	-1.51238	0.146183	0.242841	-5.39102
DKFZP434H	0.475366	-0.2196	1.512128	0.146248	0.242928	-5.39137
RPL36A	0.494731	-0.15858	1.511767	0.146339	0.243059	-5.39187
RBP5	-0.27973	0.095447	-1.51165	0.146369	0.243089	-5.39204
FAM75B	0.277358	-0.24138	1.511535	0.146397	0.243115	-5.3922
KSR1	-0.63436	0.509411	-1.51134	0.146447	0.243177	-5.39247
HINFP	-0.17174	0.205067	-1.51116	0.146492	0.243231	-5.39272
AZI1	0.440797	0.139239	1.511001	0.146533	0.243278	-5.39294
HMP19	0.339345	-0.73074	1.510871	0.146566	0.243311	-5.39312
ARPC2	-0.24723	0.235679	-1.51077	0.146591	0.243333	-5.39326
PRPH	-0.29217	0.005223	-1.51055	0.146648	0.243407	-5.39357
LOC728851	0.312746	-0.19689	1.510402	0.146684	0.243426	-5.39377
AGMO	0.323573	-0.26568	1.510235	0.146727	0.243476	-5.394
SHISA3	-0.45509	0.302507	-1.50997	0.146793	0.243565	-5.39436
LIPC	0.583986	0.009419	1.495362	0.152276	0.250751	-5.39459
ZNF772	-0.31943	0.169889	-1.50942	0.146935	0.24376	-5.39514

GLB1L2	0.334984	-0.07836	1.509413	0.146935	0.24376	-5.39514
ATP6VOD2	-0.3335	0.012594	-1.50816	0.147254	0.244227	-5.39688
ABCA5	-0.40289	0.117471	-1.50808	0.147274	0.244228	-5.39699
NCKIPSD	0.430385	0.238488	1.508057	0.14728	0.244228	-5.39702
MAGEA10	-0.42348	0.099226	-1.50792	0.147315	0.244266	-5.39721
UBE2L6	-0.52253	0.579242	-1.50779	0.147349	0.244301	-5.3974
PPP2R1B	-0.5116	0.398459	-1.5076	0.147396	0.244338	-5.39766
GTSF1L	-0.40854	0.647079	-1.50732	0.147468	0.244428	-5.39805
MDN1	-0.70254	0.330319	-1.50727	0.147481	0.244428	-5.39812
NIPAL3	-0.67918	0.556876	-1.5068	0.147601	0.244595	-5.39877
NRIP3	0.279114	-0.2813	1.506701	0.147625	0.244615	-5.3989
PGAP1	0.264116	-0.15061	1.500027	0.150158	0.247993	-5.39893
IGFBPL1	0.269205	-0.25254	1.506514	0.147673	0.244673	-5.39916
APIP	-0.57659	0.222605	-1.50638	0.147706	0.244684	-5.39934
UNC80	-0.45984	0.147735	-1.50638	0.147707	0.244684	-5.39935
TERT	0.188157	-0.2285	1.50634	0.147717	0.244684	-5.3994
PCDHGB7	-0.32546	0.065091	-1.50541	0.147954	0.24505	-5.40069
DLL4	0.346967	-0.2648	1.505376	0.147963	0.24505	-5.40074
RXFP2	0.339409	-0.3265	1.505244	0.147997	0.245085	-5.40092
USP13	0.33317	0.005777	1.505177	0.148014	0.245093	-5.40101
ANKFN1	0.270461	-0.18727	1.504962	0.148069	0.245163	-5.40131
METTL15	-0.54886	0.098839	-1.46336	0.160741	0.261744	-5.40165
RFPL3	-0.3223	0.081744	-1.49764	0.150773	0.248757	-5.40221
CCDC93	-0.69556	0.745146	-1.50423	0.148257	0.245433	-5.40233
CLRN1	-0.43379	0.108598	-1.50414	0.148278	0.245448	-5.40244
ATG9B	-0.54599	0.741915	-1.50406	0.148299	0.245461	-5.40255
KATNAL2	-0.32093	0.064185	-1.50395	0.148327	0.245466	-5.40271
CCNE1	-0.35024	0.113903	-1.50372	0.148385	0.245542	-5.40302
SEL1L	-0.72608	0.581167	-1.50355	0.148431	0.245597	-5.40327
RWDD2B	-0.37868	0.287394	-1.50333	0.148485	0.245645	-5.40356
NUP93	-0.35236	0.247346	-1.50295	0.148583	0.245786	-5.40409
TCF12	-0.40056	0.188862	-1.50237	0.148732	0.246012	-5.4049
FLJ36840	-0.52498	0.481001	-1.50213	0.148795	0.246095	-5.40523
LOC100506	0.270501	-0.10147	1.501943	0.148841	0.246151	-5.40548
LOC340073	-0.41048	-0.00797	-1.50168	0.148909	0.246241	-5.40585
ERVMER34	-0.29493	0.017141	-1.49475	0.151519	0.249778	-5.40618
STARD4	-0.25851	0.073213	-1.50097	0.149091	0.246504	-5.40683
RAD50	-0.39352	0.214797	-1.50097	0.149093	0.246504	-5.40684
FNDC1	-0.30604	-0.05263	-1.48631	0.154633	0.254035	-5.40694
LYSMD1	-0.64605	0.717107	-1.50022	0.149285	0.246766	-5.40787
CEP104	-0.27873	0.537411	-1.5002	0.149289	0.246766	-5.40789
FSD2	0.48974	-0.83512	1.263073	0.238771	0.354698	-5.40798
BAIAP2L1	-0.36741	-0.05572	-1.50011	0.149313	0.246785	-5.40802
CKLF-CMT1	-0.53089	0.230071	-1.49999	0.149345	0.246817	-5.40819
C2orf85	-0.21149	0.291894	-1.4998	0.149391	0.246873	-5.40844
DEFA4	1.603984	-0.75019	1.499414	0.149491	0.247018	-5.40898
TCEAL6	0.297677	-0.06965	1.499275	0.149527	0.247056	-5.40917

KIAA1430	0.527883	-0.82598	1.49894	0.149614	0.247178	-5.40963
KCNJ13	0.418677	-0.24132	1.474476	0.158776	0.259259	-5.41018
TMEM232	0.47627	-0.05176	1.498185	0.149808	0.247478	-5.41067
SYNGR3	-0.23378	0.053675	-1.49789	0.149885	0.247585	-5.41109
C9orf96	-0.30086	0.162623	-1.49767	0.14994	0.247654	-5.41138
TMEM147	0.299291	-0.16231	1.495862	0.150408	0.248386	-5.41388
ZBTB38	0.330046	0.242701	1.495705	0.150449	0.248432	-5.41409
AP3S2	-0.65108	0.282365	-1.49557	0.150483	0.248467	-5.41427
FAM183B	-0.43746	0.605227	-1.48882	0.153063	0.251836	-5.41431
M6PR	-0.4328	0.482411	-1.4953	0.150553	0.248498	-5.41465
LOC100501	-0.29727	0.059453	-1.4953	0.150554	0.248498	-5.41465
FLJ31813	0.208877	-0.04401	1.495281	0.150559	0.248498	-5.41468
EGLN1	-0.4708	0.753911	-1.49526	0.150565	0.248498	-5.41471
VWA3B	-0.31155	-0.19587	-1.48842	0.153166	0.251985	-5.41485
SAV1	-0.31573	0.461299	-1.49506	0.150617	0.248559	-5.41499
F8A1	-0.2579	0.510113	-1.49502	0.150627	0.248559	-5.41504
H1FX	-0.35101	0.589572	-1.49453	0.150755	0.248748	-5.41572
LDB2	0.28821	-0.15003	1.479192	0.156506	0.256382	-5.4166
QRFPR	-0.29312	0.058624	-1.49358	0.151	0.249111	-5.41702
PSMG1	0.317141	-0.17333	1.493471	0.151028	0.249137	-5.41717
CHMP4B	0.422694	-0.40871	1.493362	0.151056	0.249152	-5.41732
TNR	-0.32623	-0.09376	-1.49334	0.151063	0.249152	-5.41735
ZMYM3	-0.28766	0.389704	-1.49328	0.151077	0.249154	-5.41742
ABCA11P	-0.71022	0.190594	-1.47805	0.15681	0.256814	-5.41816
CDKN2AIP	-0.56375	0.133104	-1.45084	0.164158	0.266003	-5.4184
PABPC3	0.394867	-0.02742	1.477754	0.156887	0.256898	-5.41855
IL15	-0.61815	-0.15976	-1.49187	0.151444	0.24972	-5.41937
CCL18	-0.63715	0.565907	-1.49184	0.151453	0.24972	-5.41941
GNB1	-0.29072	0.147867	-1.49182	0.151458	0.24972	-5.41944
F7	-0.21157	0.034701	-1.49171	0.151486	0.249745	-5.41959
ORM1	-0.94035	1.065603	-1.49132	0.151587	0.24987	-5.42012
C4orf41	-0.71213	0.351401	-1.4909	0.151696	0.250028	-5.4207
ZSCAN2	0.280814	-0.0484	1.490476	0.151807	0.25019	-5.42128
IAH1	-0.35318	-0.22086	-1.49041	0.151826	0.250199	-5.42138
PLS3	-0.91595	0.594939	-1.49031	0.151851	0.250221	-5.42152
ACTR6	-0.59333	-0.33739	-1.49004	0.151921	0.250315	-5.42188
ERN2	0.219731	-0.19862	1.489727	0.152003	0.250428	-5.42231
CCDC42	0.428437	-0.2734	1.489544	0.15205	0.250486	-5.42256
ACSM2A	-0.32637	-0.08704	-1.48947	0.15207	0.250497	-5.42267
CGA	-0.65763	0.120141	-1.48931	0.152111	0.250544	-5.42288
XIST	-0.38209	0.167227	-1.16182	0.270195	0.390197	-5.42291
ARL4C	0.472029	-0.06395	1.489245	0.152128	0.250551	-5.42297
KIAA1267	0.294966	-0.15829	1.488718	0.152266	0.250751	-5.4237
LOC100121	0.211443	-0.0695	1.481914	0.154875	0.254326	-5.42373
BUTR1	0.572938	-0.0369	1.452752	0.162724	0.264182	-5.42433
AK3	0.456644	-0.02743	1.488233	0.152393	0.250923	-5.42436
CCDC112	-0.20791	0.041582	-1.48782	0.152502	0.251082	-5.42494

ST14	-0.41565	0.466332	-1.48751	0.152583	0.251194	-5.42536
MSH6	-0.25131	0.048903	-1.48737	0.152618	0.251231	-5.42554
LOC100655	-0.46096	0.072089	-1.48013	0.155345	0.25497	-5.42616
ZNF689	0.297	0.134482	1.486839	0.152758	0.25144	-5.42627
SGTB	-0.44593	0.118202	-1.48644	0.152862	0.251548	-5.42682
GRXCR1	-0.37894	0.082886	-1.4795	0.155513	0.255118	-5.42702
PKNOX1	-0.65873	0.3427	-1.48573	0.153048	0.251832	-5.42779
GCRG224	0.480507	-0.21359	1.478415	0.1558	0.255524	-5.42849
TM4SF4	-0.38286	-0.01961	-1.48486	0.153278	0.252147	-5.42899
SLC6A2	0.256126	-0.3626	1.478037	0.1559	0.25561	-5.42901
RASSF3	0.401558	-0.40197	1.484155	0.153463	0.25243	-5.42995
DNMT1	0.410975	0.020198	1.483869	0.153538	0.252532	-5.43034
SAT2	-0.23973	0.044184	-1.48302	0.153761	0.252878	-5.4315
MVK	0.329832	-0.0294	1.482551	0.153885	0.253061	-5.43215
IZUMO1	-0.41117	0.138885	-1.44659	0.164425	0.266414	-5.43257
C1orf96	-0.34828	-0.0065	-1.48219	0.153981	0.253177	-5.43264
HSPA1L	-0.40666	0.293089	-1.4821	0.154004	0.253193	-5.43276
B9D2	-0.33591	0.330087	-1.48187	0.154066	0.253274	-5.43308
SCLY	-0.40267	0.446588	-1.48151	0.154159	0.253406	-5.43357
ATP6V1G1	-0.45328	-0.10665	-1.48123	0.154234	0.253508	-5.43396
BCL2L2	-0.39035	0.163728	-1.4807	0.154375	0.253718	-5.43468
PPFIA2	0.351296	-0.42813	1.335013	0.201958	0.312332	-5.43478
FAM110C	0.574834	-0.10092	1.480565	0.154409	0.253753	-5.43486
RWDD1	-0.45257	-0.20667	-1.48016	0.154516	0.253906	-5.43541
EML1	-0.39223	0.03348	-1.48002	0.154552	0.253945	-5.4356
H6PD	-0.53176	0.429766	-1.47983	0.154604	0.254009	-5.43587
OSBPL8	-0.50355	0.053516	-1.47967	0.154646	0.254035	-5.43608
ISPD	0.276896	0.018784	1.472787	0.157297	0.257441	-5.43614
GABRG1	-0.26349	0.052698	-1.47909	0.154801	0.254268	-5.43688
ACD	0.256151	-0.00125	1.478987	0.154827	0.254276	-5.43702
CHRNA	-0.2913	0.064403	-1.47186	0.157545	0.25777	-5.43739
ZFYVE1	-0.2407	0.182926	-1.47806	0.155072	0.254628	-5.43828
PSMF1	0.438258	0.246798	1.477531	0.155213	0.254839	-5.439
ST6GAL2	-0.3662	0.206411	-1.47735	0.155261	0.254897	-5.43925
E4F1	-0.20947	0.201186	-1.47717	0.15531	0.254955	-5.4395
MAPK8IP2	0.282101	-0.25989	1.477036	0.155345	0.25497	-5.43968
FAAH2	0.622151	-0.47428	1.476965	0.155363	0.254979	-5.43977
FGB	-0.35041	0.148049	-1.47659	0.155463	0.255091	-5.44028
PDE6G	-0.59071	0.583193	-1.47656	0.155471	0.255091	-5.44033
ROBO1	-1.07477	0.573507	-1.47644	0.155502	0.255118	-5.44049
SLA2	-0.66636	0.989667	-1.47633	0.155532	0.255127	-5.44064
MAGI1	0.633914	-0.70585	1.461346	0.161287	0.262349	-5.44068
PRSS58	-0.31638	0.085773	-1.46045	0.16153	0.262678	-5.44188
CLEC14A	0.448509	-0.52245	1.373991	0.189809	0.297935	-5.4423
C3orf14	-0.59233	0.376243	-1.47502	0.155882	0.25561	-5.44243
HCP5	-0.41942	0.242674	-1.47496	0.155897	0.25561	-5.44251
NTN5	0.38783	-0.03487	1.474932	0.155904	0.25561	-5.44255

NMD3	-0.51864	-0.3497	-1.4747	0.155966	0.255676	-5.44286
SDHA	-0.21783	0.232502	-1.47468	0.155971	0.255676	-5.44289
ATP4B	0.305508	-0.1124	1.4745	0.15602	0.255713	-5.44313
GPR161	-0.20484	-0.09737	-1.47412	0.15612	0.255853	-5.44365
RGSL1	-0.23288	0.006085	-1.47401	0.15615	0.255853	-5.4438
RIF1	-0.47179	-0.18465	-1.474	0.156152	0.255853	-5.44381
EXOSC1	-0.28831	0.114721	-1.47398	0.156157	0.255853	-5.44384
SULT2B1	0.463575	-0.40768	1.414244	0.176615	0.281761	-5.44466
FP588	0.378453	-0.11133	1.43052	0.169826	0.272884	-5.44532
MT1B	0.670125	-0.06989	1.472771	0.156481	0.256362	-5.44549
LOC44033	0.315464	-0.31814	1.472506	0.156552	0.256435	-5.44585
FAM19A3	0.46601	-0.47773	1.436372	0.167273	0.26998	-5.44615
TAGLN	-0.59936	0.577697	-1.47168	0.156773	0.256776	-5.44697
ZNF396	-0.61283	0.500188	-1.47049	0.157093	0.257214	-5.4486
IGFBP6	0.517892	-0.20075	1.470392	0.157118	0.257234	-5.44872
EEF1B2	-0.65291	0.034608	-1.47028	0.157149	0.257262	-5.44888
RNF212	-0.48984	0.06657	-1.46984	0.157266	0.257429	-5.44947
SGTA	0.402524	0.079347	1.4698	0.157277	0.257429	-5.44953
RGS7BP	0.535559	-0.15889	1.469383	0.157389	0.257569	-5.45009
CHD3	0.384199	0.089762	1.469071	0.157473	0.257685	-5.45052
TNFRSF9	-0.41479	0.337249	-1.46878	0.157551	0.25777	-5.45091
ATP1A4	-0.39131	0.290062	-1.46839	0.157656	0.25792	-5.45144
AGPAT5	-0.3855	0.174659	-1.46825	0.157693	0.257944	-5.45163
PLIN2	-0.55054	0.824858	-1.46824	0.157697	0.257944	-5.45165
LOC10050	-0.93025	0.777588	-1.46817	0.157716	0.257947	-5.45174
BPTF	-0.56116	0.585382	-1.46813	0.157725	0.257947	-5.45179
PPP1R9A	-0.37574	0.236431	-1.43175	0.168577	0.271413	-5.45228
KRTAP17-1	-0.27022	0.053873	-1.45252	0.163695	0.265385	-5.45251
MAGT1	-0.59942	0.363409	-1.46747	0.157904	0.258182	-5.4527
TDP1	0.337521	-0.11532	1.467452	0.157908	0.258182	-5.45271
DZIP3	-0.4318	0.160307	-1.46742	0.157915	0.258182	-5.45275
ABCG4	-0.34646	-0.08313	-1.4674	0.157922	0.258182	-5.45278
CDC20B	-0.50725	0.090319	-1.46041	0.160632	0.26161	-5.45287
C15orf52	0.478064	0.469445	1.467157	0.157987	0.258268	-5.45311
LOC10013	-0.27467	-0.03245	-1.46687	0.158065	0.258374	-5.45351
DUSP10	0.351762	0.192961	1.466581	0.158143	0.258479	-5.4539
HLA-DMB	-0.6195	0.599729	-1.46622	0.15824	0.258616	-5.45438
TMEM176	0.775012	-0.36331	1.465967	0.158308	0.258706	-5.45473
F9	0.400818	-0.28396	1.385955	0.182818	0.289296	-5.45483
TRAF2	0.24532	0.052464	1.465851	0.15834	0.258736	-5.45489
CEP44	-0.55365	0.179347	-1.4155	0.175123	0.279769	-5.45495
EPGN	-0.11704	0.013703	-1.42953	0.169205	0.272155	-5.45521
KCNJ14	0.430017	0.190366	1.465576	0.158414	0.258836	-5.45526
CNTN5	-0.65271	0.242876	-1.46542	0.158456	0.258874	-5.45547
C19orf24	0.335542	0.060485	1.465392	0.158463	0.258874	-5.45551
NEGR1	0.346298	-0.10432	1.465199	0.158516	0.258937	-5.45577
AURKAIP1	-0.17765	0.234018	-1.46485	0.158609	0.259063	-5.45624

MRPL1	-0.24108	0.048216	-1.46482	0.158619	0.259063	-5.45629
HNF4G	-0.2406	0.048121	-1.46447	0.158712	0.259193	-5.45675
MAGI2	-0.31768	0.097926	-1.46418	0.158791	0.259259	-5.45715
ITGA5	0.32795	0.199147	1.464178	0.158792	0.259259	-5.45715
MBTD1	-0.4243	-0.09762	-1.44876	0.164731	0.266821	-5.45753
CD3E	0.50033	0.162682	1.463868	0.158876	0.259352	-5.45757
DECR2	-0.29224	0.088601	-1.46356	0.158958	0.259455	-5.45798
EXOC4	-0.24538	0.131958	-1.46354	0.158965	0.259455	-5.45802
MARCKSL1	0.477297	0.113115	1.463228	0.159049	0.25957	-5.45844
TPP1	-0.43007	0.293365	-1.46241	0.159271	0.25989	-5.45955
DHRS4	0.348385	-0.02853	1.461621	0.159484	0.260206	-5.46061
TMEM126	-0.6302	-0.63503	-1.4616	0.159491	0.260206	-5.46065
SORCS2	-0.69323	0.702045	-1.46154	0.159507	0.26021	-5.46073
DNAH10	-0.72778	0.325378	-1.45451	0.162241	0.263595	-5.4608
TRIM50	-0.40044	0.287279	-1.4614	0.159545	0.260251	-5.46092
AATK	-0.60811	0.594068	-1.46097	0.159661	0.260418	-5.46149
DNAJC14	-0.32532	0.326819	-1.4607	0.159736	0.260518	-5.46186
BRCA1	-0.43088	0.371566	-1.46055	0.159777	0.260563	-5.46207
TANC2	-0.47129	0.378741	-1.46045	0.159802	0.260582	-5.46219
LOC64466	0.645398	-0.35096	1.424068	0.170758	0.274153	-5.46242
TMEM219	0.312681	-0.10751	1.460132	0.159889	0.260703	-5.46262
REST	-0.47523	0.106739	-1.45997	0.159933	0.260752	-5.46284
C14orf28	-0.28929	-0.21837	-1.45979	0.159983	0.260795	-5.46309
CTDSPL2	-0.32076	-0.16298	-1.45949	0.160063	0.260873	-5.46349
WFDC2	0.193445	-0.08818	1.459474	0.160068	0.260873	-5.46351
STMN4	-0.22326	-0.05841	-1.44427	0.165974	0.268192	-5.46351
CMPK1	-0.36371	-0.22105	-1.35705	0.195016	0.30428	-5.46352
LOC10050	0.394258	-0.3349	1.459454	0.160074	0.260873	-5.46354
SKP1	-0.51099	0.516417	-1.45892	0.160219	0.261072	-5.46426
LACRT	0.486092	-0.30309	1.458908	0.160222	0.261072	-5.46428
PAMR1	-0.27711	-0.15252	-1.45885	0.160238	0.261076	-5.46435
NOL10	-0.53005	0.162234	-1.45831	0.160385	0.261294	-5.46508
CLDN9	-0.38047	0.363163	-1.45761	0.160576	0.261561	-5.46603
NEK10	-0.43539	0.036274	-1.45754	0.160595	0.261571	-5.46612
SLC1A6	-0.32164	-0.05297	-1.45725	0.160674	0.261656	-5.46651
PSTPIP1	0.302139	-0.07673	1.456937	0.16076	0.261753	-5.46694
OCM2	-0.33032	0.040366	-1.45672	0.160818	0.261826	-5.46723
RRAD	-0.19706	0.387643	-1.4566	0.160853	0.261834	-5.46739
CXorf61	0.485468	-0.07144	1.456578	0.160858	0.261834	-5.46742
RPTOR	0.410186	0.006576	1.456559	0.160863	0.261834	-5.46745
PRR5L	0.480199	-0.31092	1.413647	0.174654	0.279134	-5.46745
YPEL1	0.297852	0.151753	1.456454	0.160892	0.261856	-5.46759
C12orf26	0.319265	-0.11524	1.456412	0.160903	0.261856	-5.46765
TMEM163	-0.38654	-0.03876	-1.45617	0.160969	0.261941	-5.46797
TKTL2	-0.34495	0.167536	-1.43068	0.17079	0.274153	-5.46848
SCRN2	-0.37822	0.305106	-1.45559	0.161129	0.262179	-5.46876
TMEM191	0.301203	-0.1046	1.455294	0.161209	0.262288	-5.46915

EFR3B	-0.24375	0.058549	-1.45524	0.161224	0.262291	-5.46923
ST3GAL6	-0.58565	0.048051	-1.45514	0.161251	0.262313	-5.46936
LOC33857	0.313792	-0.11582	1.447776	0.164095	0.265924	-5.46983
PSMB2	-0.22506	0.174875	-1.45457	0.161407	0.262523	-5.47012
ELK3	-0.26213	0.242873	-1.45434	0.161472	0.262607	-5.47044
LOC72897	0.435586	-0.11379	1.453475	0.161708	0.262947	-5.4716
MPV17L	0.263056	-0.23096	1.417042	0.172774	0.276691	-5.47166
HTRA4	0.331008	-0.44023	1.438128	0.167685	0.270444	-5.47167
TPD52L3	-0.23369	0.067691	-1.45326	0.161767	0.263021	-5.47189
ZNF295	-0.23732	0.214167	-1.45296	0.161848	0.263118	-5.47229
KCP	0.240709	-0.2584	1.452944	0.161854	0.263118	-5.47232
IFT74	0.607321	-0.06479	1.416362	0.17297	0.276894	-5.47255
C1orf100	0.326377	-0.05864	1.44564	0.164687	0.266772	-5.47268
PTPN21	-0.26901	0.09071	-1.45265	0.161934	0.263225	-5.47271
LOC44090	0.272845	-0.11443	1.452609	0.161946	0.263225	-5.47277
HSF2BP	-0.43589	0.115432	-1.45192	0.162136	0.263507	-5.4737
TBC1D21	0.321054	-0.07633	1.451811	0.162165	0.263507	-5.47384
PIH1D1	-0.28101	0.337525	-1.4518	0.162169	0.263507	-5.47386
EXOSC7	-0.54207	0.39077	-1.45178	0.162174	0.263507	-5.47388
INADL	-0.33154	0.202954	-1.41528	0.173282	0.277325	-5.47396
LOC10050	-0.50827	0.053764	-1.44429	0.165061	0.267124	-5.47448
LRRN4	0.520084	-0.11629	1.444129	0.165106	0.267156	-5.4747
CRX	0.121573	-0.08785	1.444098	0.165115	0.267156	-5.47474
MAB21L2	-0.20594	-0.0166	-1.45112	0.162356	0.26376	-5.47477
STK32C	-0.42482	0.68853	-1.45098	0.162396	0.263802	-5.47497
EIF6	0.246105	-0.11626	1.450697	0.162472	0.263905	-5.47534
C2orf48	0.530282	-0.07998	1.399732	0.179719	0.285482	-5.47539
NRSN2	-0.31747	0.589667	-1.45055	0.162513	0.263949	-5.47554
RXFP3	0.30519	-0.32587	1.450419	0.162549	0.263985	-5.47571
LOC10050	-0.24338	0.040532	-1.44988	0.162698	0.264182	-5.47644
CCDC61	0.331707	-0.0629	1.449841	0.162708	0.264182	-5.47649
CUL4B	-0.35006	0.164779	-1.44979	0.162723	0.264182	-5.47656
KIAA0182	0.407393	0.131773	1.406392	0.176764	0.281942	-5.47691
NCOA3	-0.44239	-0.01982	-1.44931	0.162854	0.264351	-5.4772
GGNBP1	0.456067	-0.18347	1.449309	0.162855	0.264351	-5.4772
PAGE2B	0.755181	-0.31426	1.362109	0.19108	0.299522	-5.4773
ASMTL	-0.26687	0.351556	-1.44922	0.162879	0.264367	-5.47732
BCORL1	-0.51447	0.451643	-1.44898	0.162947	0.264444	-5.47765
FLNA	0.530585	0.073112	1.448955	0.162953	0.264444	-5.47768
PITX1	-0.47359	-0.47516	-1.44844	0.163096	0.264655	-5.47838
HCG22	-0.17216	0.029949	-1.40524	0.177102	0.282216	-5.4784
RSC1A1	0.326201	0.037801	1.448355	0.163119	0.26467	-5.47849
COL3A1	0.446137	-0.17722	1.448225	0.163155	0.264706	-5.47866
EIF4EBP1	0.296591	-0.02755	1.447918	0.163239	0.264822	-5.47907
GPX7	-0.54569	0.313426	-1.4477	0.163299	0.264896	-5.47936
FOXN4	0.499945	-0.79905	1.196939	0.256794	0.37523	-5.47965
CGGBP1	0.162277	-0.11599	1.4473	0.163411	0.265037	-5.4799

ARHGAP19	-0.30518	0.385372	-1.44729	0.163413	0.265037	-5.47991
MRPS26	0.357364	-0.04286	1.446821	0.163543	0.265226	-5.48054
IQGAP1	-0.55124	0.225918	-1.44667	0.163585	0.26524	-5.48075
C9orf153	0.298214	-0.07152	1.446671	0.163585	0.26524	-5.48075
CEACAM2C	0.331348	-0.22457	1.446645	0.163592	0.26524	-5.48078
PLA2R1	0.331536	-0.3125	1.402936	0.177777	0.282992	-5.48139
FLJ33534	0.40361	-0.40175	1.364881	0.189235	0.297248	-5.48167
DOCK9	0.558321	-0.34039	1.445851	0.163812	0.265553	-5.48185
ROBO3	0.526471	-0.02393	1.445721	0.163848	0.265589	-5.48202
AEBP1	-0.44393	0.711541	-1.44535	0.163952	0.265735	-5.48252
MIRLET7B	0.436602	-0.35644	1.445048	0.164035	0.265848	-5.48292
SIX1	-0.41419	-0.42412	-1.35766	0.196257	0.305632	-5.48428
STX7	0.28231	-0.15371	1.436103	0.167349	0.270057	-5.48539
C11orf95	-0.48174	0.665123	-1.44298	0.16461	0.266692	-5.48569
LOC100137	0.198672	-0.0507	1.435745	0.16745	0.270175	-5.48587
ANKS6	-0.44125	0.455266	-1.44282	0.164654	0.26674	-5.4859
CARD16	-0.64293	0.80552	-1.44249	0.164748	0.266827	-5.48635
CRYGS	0.204388	0.004969	1.442403	0.164771	0.266834	-5.48646
C10orf95	0.380353	-0.25153	1.442317	0.164795	0.266834	-5.48658
MT1A	0.531521	-0.07569	1.442274	0.164807	0.266834	-5.48664
BTD	-0.38354	0.384026	-1.44217	0.164836	0.26686	-5.48678
HIST3H2BE	-0.45016	0.402334	-1.44194	0.164899	0.26694	-5.48708
LOC100506	-0.27104	0.050858	-1.44188	0.164918	0.266948	-5.48717
SMC1A	0.412727	-0.20439	1.441503	0.165022	0.267094	-5.48767
JMJD7-PLA	0.231389	-0.00078	1.44134	0.165068	0.267124	-5.48789
LRRC8D	0.270157	-0.259	1.44105	0.165149	0.267189	-5.48827
GPR128	0.794061	-0.43977	1.368723	0.191416	0.299952	-5.48833
ALB	-0.39346	0.178865	-1.3969	0.179556	0.285292	-5.48921
DFFB	0.436308	-0.2206	1.440106	0.165412	0.267593	-5.48953
LRRC59	-0.38801	0.587219	-1.43988	0.165477	0.267667	-5.48984
APOBR	-0.45836	0.522603	-1.43985	0.165485	0.267667	-5.48988
C21orf128	0.503474	0.141611	1.439606	0.165552	0.267747	-5.4902
IQGAP2	-0.87761	0.388795	-1.43246	0.168374	0.27122	-5.49023
PTPN9	-0.22851	0.192978	-1.43953	0.165574	0.267747	-5.49031
KIAA0907	-0.43938	0.414458	-1.43952	0.165576	0.267747	-5.49032
CRY2	-0.36632	0.341753	-1.43927	0.165647	0.26784	-5.49066
C12orf33	0.365553	-0.13297	1.395766	0.179892	0.285686	-5.49068
LPAR1	-0.53791	0.175704	-1.43918	0.165672	0.267858	-5.49077
IGHMBP2	-0.30846	0.210811	-1.43904	0.16571	0.267898	-5.49096
CCR8	0.368498	-0.21855	1.431794	0.168563	0.271413	-5.49111
SLC7A10	0.429983	0.133029	1.438801	0.165777	0.267985	-5.49128
C8orf47	0.385426	-0.26956	1.438697	0.165807	0.26801	-5.49142
ZNF224	-0.72083	0.538855	-1.4386	0.165835	0.268026	-5.49155
CDR1	-0.6207	0.452587	-1.43856	0.165844	0.268026	-5.49159
TFDP2	-0.24876	0.217514	-1.43141	0.168673	0.271478	-5.49163
BPY2B	-0.65581	0.439586	-1.43132	0.168697	0.271495	-5.49174
ECEL1P2	0.410277	0.083748	1.422729	0.172042	0.275881	-5.492

PCDHGB2	0.294046	-0.00781	1.43107	0.168768	0.271587	-5.49207
COMMD9	-0.28828	0.181523	-1.43815	0.165959	0.26819	-5.49214
NTF4	-0.2049	0.04031	-1.43758	0.16612	0.268406	-5.49291
DBF4	0.550398	0.108008	1.437272	0.166206	0.268523	-5.49332
CST11	0.28392	-0.16864	1.437124	0.166248	0.268568	-5.49352
LHFPL4	-0.28581	-0.20574	-1.43691	0.166307	0.268641	-5.4938
ZNF826P	-0.19483	0.011264	-1.43661	0.166391	0.268755	-5.4942
HSPA12B	-0.32627	-0.02389	-1.39957	0.177872	0.283099	-5.49447
NRTN	0.400825	0.237655	1.436266	0.166489	0.268869	-5.49466
NXPH2	-0.70527	0.584784	-1.43619	0.166511	0.268882	-5.49476
ZBPB	-0.28718	-0.09351	-1.42899	0.169356	0.272287	-5.49482
ARAP2	-0.54766	-0.23913	-1.43601	0.166562	0.268942	-5.49501
LOC100655	-0.36158	0.486464	-1.42883	0.169403	0.27234	-5.49504
LOC100506	0.728233	0.030143	1.399099	0.17801	0.283226	-5.49508
LOC285385	0.371688	-0.0493	1.398818	0.178093	0.28329	-5.49545
IGFBP4	-0.48987	0.58166	-1.43548	0.166711	0.26916	-5.49571
MSH4	0.570503	-0.53727	1.419804	0.17288	0.276772	-5.49584
TMEM184A	0.278772	0.248973	1.435054	0.16683	0.26933	-5.49628
FLJ32063	-0.48129	0.119116	-1.42703	0.169913	0.272982	-5.49742
DCAKD	-0.28175	0.53073	-1.43393	0.167146	0.269811	-5.49777
PCDHGA7	0.358941	-0.38645	1.433901	0.167155	0.269811	-5.49781
ANKRD45	0.671454	-1.46301	0.720848	0.512188	0.630981	-5.4979
NRIP2	0.46315	-0.47544	1.329207	0.203821	0.314511	-5.49795
TIMM9	0.455373	-0.3767	1.433415	0.167292	0.269987	-5.49846
IL36G	-0.32474	-0.27432	-1.41756	0.173526	0.277601	-5.49879
CLDN5	0.489404	0.012719	1.433144	0.167368	0.270066	-5.49882
GRK4	0.495904	-0.14676	1.344431	0.196614	0.306018	-5.49945
LIMS3	0.41572	-0.0708	1.432428	0.16757	0.270348	-5.49977
ARL17B	-0.43028	0.313433	-1.43219	0.167638	0.270413	-5.50009
FBXO36	-0.2436	-0.03421	-1.43219	0.167638	0.270413	-5.50009
NINJ2	0.428735	-0.49847	1.4321	0.167663	0.270431	-5.50021
LOC100507	-0.35476	-0.09172	-1.43195	0.167706	0.270455	-5.50041
TBX10	0.239192	-0.22651	1.431732	0.167767	0.270532	-5.5007
PROK1	-0.28116	0.20726	-1.43158	0.16781	0.270547	-5.5009
PBX4	0.433675	-0.15962	1.431569	0.167813	0.270547	-5.50092
PHTF2	-0.49658	0.064779	-1.43155	0.167818	0.270547	-5.50094
NME2	0.390375	-0.34081	1.431182	0.167923	0.270694	-5.50143
OR10C1	0.348284	-0.31906	1.431001	0.167974	0.270754	-5.50167
PAPOLB	-0.29104	-0.04835	-1.4308	0.168032	0.270803	-5.50194
ZNF217	0.450162	-0.45233	1.430477	0.168122	0.270926	-5.50237
IFRD1	-0.61575	0.209848	-1.43007	0.168239	0.271092	-5.50291
ZNF248	-0.1741	0.028899	-1.42967	0.168351	0.27122	-5.50344
HERC2P2	-0.7428	0.929422	-1.42967	0.168352	0.27122	-5.50344
EIF3F	-0.31029	0.22718	-1.42953	0.168391	0.27122	-5.50363
EMD	0.284811	-0.08256	1.429526	0.168392	0.27122	-5.50363
RSG1	-0.26915	0.369186	-1.42949	0.168402	0.27122	-5.50368
ZNF251	-0.25025	0.062758	-1.4293	0.168456	0.271285	-5.50393

C10orf12	-0.38907	0.531633	-1.42902	0.168535	0.27139	-5.5043
CFHR1	-0.30557	0.060575	-1.42161	0.171462	0.275109	-5.50458
MDFIC	-0.2014	0.040279	-1.42881	0.168596	0.271421	-5.50458
NAF1	-0.18819	0.253172	-1.4287	0.168628	0.27145	-5.50473
MMP11	-0.49206	0.633514	-1.42862	0.168648	0.27146	-5.50483
RGS13	-0.57735	0.22003	-1.42806	0.168807	0.271628	-5.50557
REM1	-0.28645	-0.01817	-1.34577	0.195209	0.304497	-5.50572
GPR89B	-0.39871	0.330135	-1.42793	0.168844	0.271665	-5.50575
RANBP1	-0.34304	0.479674	-1.4275	0.168966	0.271839	-5.50631
AGBL1	0.476265	-1.04115	1.344849	0.1955	0.304854	-5.50687
IP6K2	-0.64588	0.551665	-1.4269	0.169139	0.272095	-5.50712
CA11	-0.54589	0.761863	-1.4268	0.169168	0.272118	-5.50725
S100P	-0.74551	-0.03637	-1.42657	0.169232	0.272172	-5.50755
PLS1	-0.25248	0.107719	-1.42653	0.169245	0.272172	-5.50761
PTTG2	-0.21419	0.098601	-1.42648	0.169257	0.272172	-5.50767
SLC15A4	-0.33725	0.098118	-1.42618	0.169342	0.272287	-5.50807
RSAD1	0.367535	-0.01676	1.425893	0.169425	0.272354	-5.50845
MCM2	-0.41121	0.431809	-1.42507	0.16966	0.272708	-5.50954
LOC100131	-0.36054	0.093771	-1.42485	0.169724	0.272789	-5.50984
ARHGAP32	-0.47219	0.546401	-1.42469	0.169769	0.272839	-5.51005
NUCB2	-0.74364	0.86875	-1.4246	0.169794	0.272857	-5.51017
PGAP2	-0.26479	0.189747	-1.42444	0.169839	0.272884	-5.51037
FAT2	0.207436	-0.0458	1.417097	0.172758	0.27669	-5.51052
PI4K2B	-0.61885	-0.24378	-1.42377	0.17003	0.273147	-5.51126
ATP10A	-0.39864	0.434743	-1.42326	0.170177	0.27336	-5.51194
MTERFD2	-0.71888	1.024231	-1.42283	0.170301	0.273537	-5.51251
AQP11	-0.40478	0.208001	-1.42235	0.170438	0.273735	-5.51315
SERPINE3	0.656454	-0.32971	1.187922	0.256333	0.374652	-5.51316
ARL5A	-0.22006	-0.11011	-1.42209	0.170512	0.273832	-5.51349
CEP78	0.329239	-0.1401	1.421786	0.170599	0.273938	-5.51389
KIF22	0.336715	-0.01123	1.42176	0.170607	0.273938	-5.51392
C16orf55	-0.38679	0.642225	-1.4212	0.170769	0.274153	-5.51467
SYNGR4	0.283408	-0.4027	1.421098	0.170797	0.274153	-5.5148
GNL3L	-0.21415	0.250175	-1.42101	0.170823	0.274173	-5.51492
MIF	0.431323	-0.12764	1.419072	0.171379	0.274998	-5.51748
DNAJB9	-0.35046	-0.32259	-1.41868	0.171491	0.275132	-5.51799
FLJ23867	0.311029	-0.35569	1.418513	0.17154	0.275188	-5.51821
TMEM143	0.207286	-0.202	1.4181	0.171659	0.275357	-5.51876
NLE1	0.370847	-0.00993	1.417778	0.171751	0.275483	-5.51918
TFAP2B	0.402459	-0.30289	1.409929	0.174835	0.279377	-5.51993
SYNCRIP	-0.35222	0.176724	-1.41706	0.171959	0.275793	-5.52013
MAMDC2	0.491457	-0.25026	1.416924	0.171998	0.275833	-5.52031
MTMR11	0.512805	-0.11931	1.416541	0.172108	0.275965	-5.52082
SLC27A5	0.494507	-0.24134	1.416476	0.172127	0.275973	-5.5209
RUNDC2C	-0.41994	0.692037	-1.41631	0.172176	0.276028	-5.52112
SLC25A45	0.339233	-0.26617	1.416148	0.172222	0.276079	-5.52133
TDRD6	0.479627	-0.24068	1.200424	0.247593	0.365091	-5.52155

LOC100507	0.747141	-0.59304	1.41592	0.172288	0.276162	-5.52163
RNF24	-0.4854	0.491423	-1.41565	0.172366	0.276265	-5.52199
ZNF645	0.238304	-0.07997	1.415489	0.172412	0.276316	-5.5222
SPEM1	0.220455	-0.32122	1.415441	0.172426	0.276316	-5.52227
ZNF433	-0.24533	0.15133	-1.41538	0.172443	0.276321	-5.52234
BAGE4	0.480316	-0.49319	1.415317	0.172462	0.276329	-5.52243
VSIG2	0.310947	-0.0943	1.415256	0.17248	0.276334	-5.52251
NUP210	-0.52243	0.920156	-1.41516	0.172508	0.276356	-5.52264
CNN3	-0.58276	0.237603	-1.37071	0.187443	0.29493	-5.52283
PFDN4	-0.58397	-0.31217	-1.34079	0.200119	0.310192	-5.52319
IL18	-0.63285	0.556464	-1.41468	0.172645	0.276554	-5.52326
ANKRD43	0.279392	-0.1097	1.414328	0.172748	0.27669	-5.52373
LTBP3	0.410868	0.216375	1.414169	0.172794	0.276691	-5.52394
TMEM194	-0.29404	0.240786	-1.41412	0.172808	0.276691	-5.524
KLHL29	-0.34899	0.246693	-1.4141	0.172815	0.276691	-5.52404
FAM82A1	-0.39858	0.039246	-1.41324	0.173063	0.27702	-5.52516
LOC100128	-0.22561	0.016984	-1.41276	0.173204	0.277222	-5.5258
MUC7	0.245674	-0.37727	1.412373	0.173315	0.277355	-5.52631
PPRC1	0.363831	0.030547	1.411995	0.173425	0.277497	-5.5268
COQ4	0.308656	-0.06139	1.411971	0.173432	0.277497	-5.52683
PIN1P1	-0.21266	0.150361	-1.41189	0.173455	0.277511	-5.52694
ZNF597	-0.46452	0.275397	-1.41156	0.173551	0.277619	-5.52737
FGFBP3	0.360355	0.017262	1.411307	0.173625	0.277715	-5.52771
LOC100507	0.593044	0.133949	1.403925	0.17659	0.281747	-5.52778
LOC100507	-0.20915	0.058362	-1.41119	0.17366	0.277749	-5.52787
VCAM1	0.677503	-0.05734	1.373355	0.185745	0.292869	-5.52827
HPCAL1	-0.27481	0.523544	-1.41059	0.173835	0.278005	-5.52865
RETSAT	-0.37361	0.446118	-1.41022	0.173942	0.278153	-5.52914
ALS2CR8	-0.72016	0.277785	-1.40987	0.174043	0.278292	-5.52959
ADCY8	0.37411	0.07611	1.402435	0.177027	0.282164	-5.52972
LOC100507	-0.24569	-0.03398	-1.40935	0.174194	0.278512	-5.53028
ZNF239	-0.61955	0.535095	-1.37157	0.186291	0.293542	-5.53055
LOC220906	-0.26039	-0.03011	-1.40878	0.174362	0.278757	-5.53103
VENTX	0.430546	0.057548	1.371124	0.186428	0.293686	-5.53112
HIST1H1D	0.375389	-0.47887	1.408663	0.174395	0.278788	-5.53118
BAX	-0.35642	0.221738	-1.40832	0.174495	0.278924	-5.53163
NFXL1	0.551133	-0.03469	1.408076	0.174567	0.279016	-5.53195
DAOA	0.2965	0.079041	1.407195	0.174824	0.279377	-5.53311
NME7	-0.31465	0.33385	-1.40654	0.175015	0.27962	-5.53396
EIF2AK4	-0.26577	0.3232	-1.40654	0.175016	0.27962	-5.53396
GRB14	0.409911	-0.11216	1.368281	0.187301	0.294824	-5.53475
JMJD6	-0.60889	0.690786	-1.40522	0.175403	0.280179	-5.5357
ZMPSTE24	-0.41458	-0.37573	-1.4052	0.175409	0.280179	-5.53572
PKD2L2	-0.18297	0.036594	-1.40512	0.175431	0.280192	-5.53582
KCNA6	-0.2851	-0.00897	-1.38883	0.181956	0.288334	-5.53615
RNF103	-0.25094	0.081905	-1.40478	0.17553	0.280327	-5.53627
CHD1L	-0.2912	0.3133	-1.40471	0.175553	0.280341	-5.53637

SNX25	-0.51298	0.714713	-1.40438	0.175648	0.28047	-5.53679
SCNN1A	-0.52129	0.493912	-1.40405	0.175745	0.280601	-5.53722
CAND2	0.441804	-0.20419	1.403518	0.175902	0.280829	-5.53792
HOXB5	-0.30724	-0.0215	-1.38709	0.182478	0.288951	-5.5384
UBE3A	-0.20188	0.084331	-1.403	0.176053	0.281048	-5.5386
IL10	-0.3798	0.063816	-1.40257	0.17618	0.281228	-5.53916
SETMAR	-0.36383	0.260835	-1.40245	0.176217	0.281263	-5.53932
MAGEA1	-0.21489	0.017215	-1.40218	0.176295	0.281365	-5.53967
RFPL4B	-0.43156	0.237828	-1.38567	0.182903	0.28939	-5.54022
CMAS	0.567406	0.063688	1.363494	0.188778	0.296682	-5.54085
LAMC2	0.493707	-0.22422	1.40118	0.17659	0.281747	-5.54098
BMP1	-0.27876	0.123108	-1.40117	0.176592	0.281747	-5.54099
KCTD3	-0.51004	-0.03448	-1.39352	0.179664	0.28544	-5.54132
LOC100501	-0.21346	-0.02166	-1.40077	0.176711	0.281892	-5.54152
TUBB6	-0.58471	0.713133	-1.40056	0.176771	0.281942	-5.54179
PDK2	0.287379	0.137789	1.400502	0.17679	0.281948	-5.54187
RRP9	0.409841	-0.04462	1.400355	0.176833	0.281994	-5.54206
GUCY2D	-0.27801	0.180897	-1.39293	0.179839	0.285649	-5.54208
RGAG4	0.551061	-0.0552	1.384122	0.183369	0.289917	-5.54222
LOC100133	-0.37462	0.020641	-1.40021	0.176875	0.282015	-5.54224
BCL7A	-0.61103	0.751078	-1.40019	0.176882	0.282015	-5.54227
COX18	-0.4843	0.153825	-1.40016	0.176891	0.282015	-5.54231
N4BP2L1	-0.40073	0.005322	-1.40012	0.176903	0.282015	-5.54237
LINC00326	-0.14463	0.026643	-1.36229	0.189151	0.297164	-5.54238
CRHBP	-0.5769	0.499676	-1.39997	0.176947	0.282062	-5.54256
ZNF101	-0.37302	0.080539	-1.39962	0.17705	0.282164	-5.54302
LOC149831	-0.20313	0.077193	-1.39961	0.177054	0.282164	-5.54304
SLC17A6	-0.44532	0.276184	-1.39198	0.180123	0.285892	-5.54332
MET	-0.49634	0.352176	-1.39933	0.177135	0.282224	-5.5434
FGFR1	-0.56129	0.687335	-1.39933	0.177136	0.282224	-5.5434
GLRX3	-0.35471	-0.01333	-1.3992	0.177173	0.282262	-5.54356
TGM5	-0.29195	-0.28464	-1.36118	0.189495	0.297538	-5.54379
PNP	0.376418	-0.03496	1.398624	0.177344	0.282492	-5.54432
NSUN4	-0.21318	0.326798	-1.39861	0.177348	0.282492	-5.54433
TBX22	-0.10579	0.021159	-1.39857	0.177361	0.282492	-5.54439
CRELD2	0.226734	-0.0014	1.398476	0.177388	0.282512	-5.54451
TMC6	-0.21131	0.333886	-1.39827	0.177449	0.282567	-5.54478
DDX27	0.268317	-0.07614	1.398215	0.177465	0.282567	-5.54485
ALDH18A1	0.405028	-0.07613	1.398213	0.177466	0.282567	-5.54485
LOC100509	-0.28643	0.006695	-1.39802	0.177523	0.282634	-5.54511
EID2	-0.42673	0.412392	-1.39746	0.177688	0.282875	-5.54583
R3HDM1	0.303832	-0.0405	1.351957	0.193258	0.302211	-5.54658
CCDC13	-0.35089	0.169453	-1.39684	0.177871	0.283099	-5.54664
ACLY	-0.20864	0.149808	-1.3966	0.177943	0.283188	-5.54695
TBC1D22A	-0.1735	0.186382	-1.39647	0.177982	0.283217	-5.54712
NRXN2	0.438054	0.266655	1.396444	0.17799	0.283217	-5.54716
AKAP10	-0.39257	0.197337	-1.39621	0.17806	0.283283	-5.54747

ABCD4	-0.17701	0.035402	-1.39614	0.178079	0.28329	-5.54755
TUSC5	-0.47821	0.352966	-1.39558	0.178246	0.28351	-5.54829
MAGED1	0.43271	-0.03777	1.395123	0.178382	0.283703	-5.54888
FIZ1	-0.25645	0.523417	-1.39505	0.178403	0.283713	-5.54897
KIF11	-0.9213	0.831401	-1.39499	0.178422	0.283721	-5.54906
LOC100507	-0.37065	0.144677	-1.38744	0.181482	0.287769	-5.5492
PPARGC1A	-0.42911	-0.02085	-1.39471	0.178506	0.28383	-5.54942
S100A6	-0.37148	0.258128	-1.39454	0.178557	0.283888	-5.54965
ACTR1B	0.23715	-0.0882	1.393595	0.178837	0.284311	-5.55087
NOL11	0.316865	-0.29645	1.392861	0.179056	0.284635	-5.55183
NAA15	0.280589	-0.17935	1.392111	0.179279	0.284967	-5.5528
MAML2	0.384977	-0.00898	1.307656	0.207569	0.319013	-5.55285
PRCP	-0.33345	0.169965	-1.39202	0.179305	0.284985	-5.55291
PGLS	-0.19623	0.367843	-1.39183	0.179363	0.285022	-5.55317
LRRC18	-0.22935	-0.07041	-1.3918	0.179372	0.285022	-5.5532
POM121L1	0.39775	-0.2699	1.391801	0.179372	0.285022	-5.55321
CAMSAP1	0.35851	-0.44948	1.201716	0.252911	0.37084	-5.55412
EBNA1BP2	-0.32187	0.196053	-1.39065	0.179714	0.285482	-5.55469
SLC25A18	-0.39051	-0.07282	-1.39017	0.179859	0.285657	-5.55532
KIAA0195	-0.25514	0.529109	-1.38988	0.179945	0.285748	-5.5557
FAM86C1	-0.39472	0.392273	-1.38981	0.179967	0.28576	-5.55579
RCOR1	0.373628	-0.51391	1.389712	0.179996	0.285783	-5.55592
TALDO1	-0.48312	0.522099	-1.38955	0.180046	0.285838	-5.55613
FUS	-0.29021	0.177927	-1.38949	0.180063	0.285843	-5.55621
MELK	-0.68621	0.495414	-1.3893	0.18012	0.285892	-5.55645
CD28	0.65309	-0.56491	1.381285	0.183335	0.289903	-5.55714
PSMB7	-0.24016	0.144583	-1.38831	0.180417	0.286336	-5.55774
PLK5	-0.30575	0.077559	-1.38809	0.180481	0.286413	-5.55802
DACH2	-0.31672	-0.00018	-1.38801	0.180507	0.286431	-5.55813
SNRPF	0.516111	-0.09631	1.387928	0.180531	0.286446	-5.55823
DEPDC5	-0.37264	0.294022	-1.38718	0.180755	0.286778	-5.5592
SEC14L5	0.75267	0.005524	1.134893	0.278827	0.399513	-5.55984
KIAA0913	0.269127	0.090782	1.38669	0.180902	0.286989	-5.55984
LOC100508	0.239889	-0.26408	1.379103	0.183995	0.290672	-5.55995
LOC100506	-0.35187	0.260579	-1.38605	0.181094	0.28727	-5.56067
TWISTNB	-0.37728	-0.08362	-1.34779	0.193688	0.302787	-5.56072
LPA	-0.31296	0.101491	-1.38572	0.181195	0.287407	-5.5611
TMEM121	0.445283	-0.15864	1.385298	0.181321	0.287583	-5.56164
FAM92A3	0.279149	-0.68325	1.385068	0.18139	0.28767	-5.56194
GPR137C	-0.40827	0.078184	-1.38481	0.181469	0.287769	-5.56228
CGNL1	-0.34613	-0.00611	-1.35786	0.192398	0.301057	-5.56236
EEF1E1	-0.64284	-0.45236	-1.38458	0.181538	0.287834	-5.56257
SERPINB2	-0.36352	-0.17312	-1.38389	0.181745	0.288138	-5.56346
INTS7	-0.48118	0.727139	-1.38376	0.181784	0.288175	-5.56363
SPRY3	0.326966	-0.3796	1.383718	0.181797	0.288175	-5.56369
MECR	0.325322	-0.13655	1.383614	0.181829	0.288201	-5.56382
ESRRB	-0.28608	-0.15662	-1.38357	0.181843	0.288201	-5.56388

EFNA1	-0.45365	0.441575	-1.38342	0.181887	0.288247	-5.56407
CEP97	-0.51068	0.298713	-1.38303	0.182004	0.288386	-5.56457
PKP4	-0.25987	0.06838	-1.37539	0.185124	0.292169	-5.56472
PTP4A1	-0.38116	0.165337	-1.38275	0.18209	0.2885	-5.56494
TRAPPC2	-0.38788	0.30199	-1.37515	0.185197	0.29224	-5.56502
RPS27	0.907054	-1.09282	1.382643	0.182122	0.288526	-5.56508
LPCAT4	0.26404	0.082105	1.382595	0.182136	0.288526	-5.56514
PCDHB8	0.19605	-0.27846	1.337121	0.197961	0.307665	-5.56519
CRTAC1	-0.37574	-0.07172	-1.38249	0.182166	0.28855	-5.56527
COL6A6	-0.33139	0.080703	-1.36595	0.188907	0.296827	-5.56548
C7orf53	-0.70153	1.10923	-1.38229	0.182227	0.288623	-5.56553
CD93	-0.49582	0.260197	-1.38204	0.182304	0.288721	-5.56585
SLC9A11	0.390997	-0.15242	1.38168	0.182413	0.288871	-5.56632
SPINK2	0.796273	-0.40756	1.13884	0.275532	0.396125	-5.56639
ZNF559	-0.48134	0.236187	-1.38112	0.182581	0.28909	-5.56704
RPL3	0.524472	-0.31722	1.381053	0.182603	0.289101	-5.56713
USP32P1	-0.86812	0.560247	-1.37341	0.18573	0.292869	-5.56726
TCERG1	-0.41204	0.179215	-1.38091	0.182646	0.289147	-5.56732
CRAT	-0.35064	0.607941	-1.38086	0.182662	0.289148	-5.56738
RFPL3-AS1	-0.59174	0.574802	-1.38059	0.182742	0.289235	-5.56773
ING5	-0.34426	0.443192	-1.38058	0.182746	0.289235	-5.56774
ITGB8	-0.1676	0.03352	-1.3804	0.1828	0.289296	-5.56797
CHD4	-0.2763	0.433919	-1.38031	0.182829	0.289296	-5.5681
DNASE2B	0.611724	-0.47012	1.363853	0.189553	0.297604	-5.56814
C12orf54	0.361948	-0.30601	1.379487	0.183077	0.289642	-5.56915
DTNB	0.203301	-0.19438	1.379275	0.183142	0.28969	-5.56943
FUCA2	0.252369	-0.37695	1.379235	0.183154	0.28969	-5.56948
PDZRN4	-0.30288	-0.03501	-1.37918	0.183169	0.28969	-5.56954
SLC2A1	-0.34351	0.579604	-1.37916	0.183175	0.28969	-5.56957
P2RX6P	-0.48758	0.217842	-1.37914	0.183181	0.28969	-5.5696
FONG	0.321148	-0.07589	1.371388	0.186347	0.293606	-5.56985
MIOS	-0.16866	-0.09856	-1.3786	0.183346	0.289903	-5.57029
UNC13B	-0.27159	-0.08127	-1.3781	0.183497	0.290077	-5.57093
BCL11B	-0.16632	0.033263	-1.37809	0.1835	0.290077	-5.57095
NFIX	0.205545	0.01646	1.377914	0.183555	0.29014	-5.57118
RBM15	-0.2436	0.430372	-1.37758	0.183658	0.290279	-5.57162
PSMB5	-0.18435	0.060458	-1.37735	0.183727	0.290365	-5.57191
ERBB4	-0.38366	0.155458	-1.37715	0.183788	0.29042	-5.57217
C4orf47	0.462011	-0.09569	1.338673	0.196587	0.306	-5.57218
SPG20OS	-0.2737	0.111942	-1.37714	0.183792	0.29042	-5.57218
LOC100321	-0.33146	0.183848	-1.36939	0.18696	0.294359	-5.57241
RPS19BP1	-0.20586	0.081237	-1.37666	0.183937	0.290611	-5.5728
ORC1	-0.37465	0.512548	-1.37664	0.183942	0.290611	-5.57282
LOC100287	-0.30826	-0.23857	-1.36902	0.187074	0.294515	-5.57288
METAP1	-0.46166	0.526619	-1.37638	0.184023	0.290693	-5.57316
LOC126536	0.421129	-0.4338	1.299803	0.213464	0.326196	-5.57334
NDUFAF3	0.338105	0.005408	1.375452	0.184304	0.291113	-5.57435

CNTNAP3B	-0.39891	0.12433	-1.37532	0.184346	0.291155	-5.57452
TRIM73	-0.16477	0.032954	-1.37525	0.184366	0.291163	-5.57461
YARS2	-0.23606	0.209415	-1.37508	0.184418	0.291219	-5.57483
PPP1R16B	0.385904	-0.14098	1.375039	0.184431	0.291219	-5.57488
SLC30A8	0.461358	-0.21681	1.347731	0.195572	0.304879	-5.57511
PPM1L	-0.16451	0.032902	-1.37477	0.184512	0.291325	-5.57523
CBX8	0.205304	0.026332	1.374221	0.184681	0.291566	-5.57594
PCDHA1	0.335121	-0.18055	1.373718	0.184834	0.291785	-5.57658
RRH	-0.27266	-0.0836	-1.37321	0.184988	0.292005	-5.57723
CCDC11	0.559523	-0.32046	1.334599	0.197893	0.307604	-5.57728
PREP	0.218534	-0.08222	1.372877	0.185092	0.292145	-5.57766
PRKG2	0.151311	-0.00886	1.372729	0.185137	0.292169	-5.57785
CEBPE	-0.67072	0.686885	-1.37241	0.185233	0.292275	-5.57826
MDS2	0.659539	-0.04047	1.326439	0.201402	0.311737	-5.57848
CLEC4G	-0.5545	0.589355	-1.3722	0.185299	0.292355	-5.57854
FAF1	0.236167	-0.11549	1.372077	0.185336	0.29239	-5.57869
HIPK2	-0.48839	0.43271	-1.37178	0.185426	0.292508	-5.57907
C6orf226	-0.31024	0.190637	-1.37169	0.185454	0.292528	-5.57918
RBM10	0.207516	-0.00648	1.371317	0.185569	0.292687	-5.57967
NR2F6	0.289931	0.116461	1.371188	0.185609	0.292725	-5.57983
PLEKHG4	-0.2665	0.067856	-1.37079	0.185732	0.292869	-5.58035
SLED1	-0.55403	0.364078	-1.37059	0.185791	0.292916	-5.5806
ECH1	-0.23022	0.381034	-1.37055	0.185805	0.292916	-5.58065
HLA-G	-0.28162	0.167226	-1.37017	0.185922	0.293062	-5.58114
PTRF	0.504614	-0.12836	1.370131	0.185933	0.293062	-5.58119
SLC3A2	-0.27698	0.351695	-1.3701	0.185942	0.293062	-5.58123
MXD4	-0.32812	0.591732	-1.36978	0.186042	0.293196	-5.58164
HOXD1	-0.31546	0.067985	-1.36905	0.186265	0.293525	-5.58258
DPAGT1	-0.23354	0.38059	-1.36866	0.186385	0.293642	-5.58307
TRAF3	-0.25545	0.393922	-1.36834	0.186484	0.293741	-5.58349
VNN3	-0.73355	0.852512	-1.3683	0.186497	0.293741	-5.58354
CSAG2	0.228953	-0.21983	1.368264	0.186508	0.293741	-5.58359
C19orf39	-0.25488	0.021155	-1.3682	0.186528	0.293749	-5.58367
PPP1R3F	-0.28897	0.32932	-1.3678	0.186651	0.293919	-5.58418
AMELX	0.210517	-0.07512	1.367348	0.18679	0.294114	-5.58476
MT4	-0.37631	0.211863	-1.32817	0.199969	0.310057	-5.5853
MPL	0.500606	-0.06918	1.365754	0.187282	0.294818	-5.5868
ATAD2	-0.51645	0.214112	-1.36559	0.187333	0.294851	-5.58701
NLRX1	-0.28963	0.543529	-1.36545	0.187376	0.294895	-5.58719
ATP5S	-0.33292	-0.18926	-1.36537	0.187399	0.294908	-5.58729
C20orf196	-0.23804	0.139621	-1.36527	0.187431	0.29493	-5.58742
ZNF146	-0.57679	0.500291	-1.36474	0.187595	0.295144	-5.58809
NFKBIL1	0.283352	-0.27433	1.364196	0.187763	0.295386	-5.58879
SNAP47	-0.29617	0.242975	-1.36414	0.187779	0.295388	-5.58886
MRPS16	-0.26099	0.108669	-1.36393	0.187846	0.295469	-5.58913
LOC100133	0.505468	-0.41498	1.363601	0.187948	0.295605	-5.58955
PRR4	-0.27476	0.035381	-1.36347	0.187988	0.295645	-5.58972

KLK8	-0.42977	0.025645	-1.35555	0.19125	0.299741	-5.59004
MAPK8IP3	-0.38856	0.085069	-1.3626	0.188258	0.296035	-5.59083
OR10H4	-0.20402	-0.13987	-1.36255	0.188274	0.296035	-5.5909
SIM1	0.178656	-0.32221	1.362524	0.188281	0.296035	-5.59093
RUNX1	-0.61512	0.321565	-1.36223	0.188372	0.296153	-5.5913
EAFF1	-0.63981	0.441771	-1.36196	0.188457	0.296263	-5.59165
EXTL2	-0.53086	0.039799	-1.36165	0.188552	0.29639	-5.59204
RPS6KA6	0.280581	-0.13268	1.314838	0.205194	0.316306	-5.59282
IQCF5	-0.66132	0.568691	-1.32204	0.201962	0.312332	-5.59292
PLAG1	-0.54614	-0.21833	-1.35324	0.191972	0.300632	-5.59296
DLST	-0.44954	0.173037	-1.36092	0.188779	0.296682	-5.59297
OLA1	-0.30691	-0.0738	-1.36091	0.188784	0.296682	-5.59299
ALOX12	0.531998	0.19126	1.360782	0.188823	0.296719	-5.59315
FAM71F2	0.280688	-0.06086	1.360264	0.188984	0.296924	-5.59381
FOXJ2	0.296909	-0.17169	1.359573	0.189199	0.297215	-5.59469
MBD3L2	-0.55042	-0.26215	-1.28173	0.219569	0.333326	-5.59506
C10orf93	-0.33874	0.225919	-1.35928	0.189289	0.29731	-5.59507
CHST8	-0.55943	0.603222	-1.35914	0.189334	0.297356	-5.59525
ALKBH3	-0.37638	0.16042	-1.35893	0.189398	0.297432	-5.59551
FAM93B	-0.598	0.34679	-1.35115	0.19263	0.301348	-5.59561
PKDCC	0.231146	-0.26137	1.358712	0.189467	0.297517	-5.59579
TBC1D30	0.347046	-0.10887	1.341559	0.196545	0.305958	-5.59629
C12orf43	-0.32128	0.449972	-1.3581	0.189657	0.297743	-5.59657
ANGPT4	0.199379	-0.20034	1.357647	0.189799	0.297935	-5.59715
TPMT	-0.57575	0.383514	-1.35745	0.189861	0.297992	-5.5974
CYP2C8	0.381929	-0.03592	1.311092	0.20643	0.317811	-5.59742
EYS	0.103809	-0.02307	1.340158	0.196991	0.306507	-5.59805
ARHGAP23	-0.33229	0.217389	-1.35692	0.190027	0.298229	-5.59808
SUSD2	0.351104	0.002285	1.356867	0.190043	0.29823	-5.59814
TRMT1	0.217816	0.003815	1.35673	0.190086	0.298274	-5.59832
EMID1	0.528714	0.047532	1.356648	0.190112	0.29829	-5.59842
CRYZL1	-0.41003	0.481957	-1.31	0.206792	0.318218	-5.59877
C4orf39	-0.58515	0.024778	-1.35636	0.190202	0.298408	-5.59879
LOC100128	0.344269	-0.70471	1.356191	0.190254	0.298466	-5.599
TBRG4	0.272847	-0.00748	1.355837	0.190365	0.298616	-5.59945
FLJ43826	-0.33894	0.304455	-1.35577	0.190386	0.298625	-5.59954
SLC6A15	-0.2652	-0.12967	-1.35543	0.190494	0.29877	-5.59997
RPS17	0.796411	-1.16748	1.355217	0.190559	0.298849	-5.60024
HOOK1	0.518207	-0.25558	1.355132	0.190586	0.298867	-5.60035
SLC16A7	0.270182	0.022584	1.34663	0.194056	0.30312	-5.60132
PPP1R3C	0.216335	-0.13588	1.353955	0.190955	0.299422	-5.60185
KCNE3	-0.54407	0.305632	-1.35383	0.190995	0.299461	-5.60201
ESR2	0.178134	0.022423	1.353754	0.191018	0.299472	-5.6021
HIPK3	-0.37165	-0.2639	-1.35358	0.191073	0.299522	-5.60232
RPL18A	0.427586	-0.18774	1.35342	0.191123	0.299565	-5.60252
ALKBH2	0.471649	-0.21109	1.352744	0.191335	0.29985	-5.60338
SNHG13	-0.33587	0.513416	-1.3519	0.1916	0.300217	-5.60445

MRE11A	-0.45506	0.297555	-1.35168	0.191671	0.300291	-5.60474
ZNF468	-0.30437	-0.1912	-1.35165	0.191678	0.300291	-5.60477
ARHGAP17	0.273291	-0.00676	1.351339	0.191777	0.300422	-5.60517
C6orf203	-0.47369	0.721186	-1.35109	0.191857	0.300523	-5.60549
ZSCAN4	0.330484	-0.08953	1.350921	0.191909	0.30058	-5.6057
KIAA1524	-0.26373	-0.10109	-1.35083	0.191937	0.300601	-5.60581
BBS10	-0.49613	0.06158	-1.35058	0.192015	0.300674	-5.60612
FLJ45445	-0.24145	0.150338	-1.35029	0.192107	0.300786	-5.6065
PCYOX1L	0.26961	0.04974	1.350259	0.192117	0.300786	-5.60654
RSPRY1	-0.37313	-0.13446	-1.34995	0.192214	0.300881	-5.60693
TWIST2	-0.48285	0.175063	-1.34993	0.19222	0.300881	-5.60695
NOP14	0.16939	0.004903	1.349856	0.192244	0.300881	-5.60705
CREBBP	-0.50409	0.398208	-1.34983	0.192254	0.300881	-5.60708
C12orf42	0.449697	0.069049	1.349825	0.192254	0.300881	-5.60709
LOC100506	0.35672	0.000855	1.349625	0.192317	0.300955	-5.60734
STK39	0.267143	-0.23793	1.247	0.230494	0.345045	-5.60769
LOC28514	-0.33511	-0.08629	-1.3492	0.192452	0.301118	-5.60788
LOC40004	0.231048	-0.26591	1.348725	0.192601	0.301328	-5.60848
RAB3D	-0.46336	0.288979	-1.34847	0.192681	0.301404	-5.6088
KIAA1024L	-0.49164	0.033418	-1.29273	0.213536	0.326265	-5.60929
LOC100506	-0.15122	0.030243	-1.34747	0.192999	0.301877	-5.61007
TTC3P1	0.416152	0.004192	1.347327	0.193043	0.301923	-5.61025
CKM	-0.4192	0.637761	-1.34722	0.193078	0.301953	-5.61039
LAMTOR3	-0.4829	0.035989	-1.34597	0.193474	0.302523	-5.61197
SLC48A1	0.380886	-0.08644	1.34585	0.193511	0.302558	-5.61212
C5orf13	-0.41008	0.434686	-1.34535	0.193669	0.302781	-5.61275
DPCR1	0.316645	-0.61505	1.304142	0.21079	0.32285	-5.61286
ZNRF2P1	-0.60638	0.408592	-1.34521	0.193713	0.302802	-5.61293
MRPS18C	-0.53384	-0.08652	-1.34501	0.193779	0.302852	-5.61319
PAN3	-0.29071	-0.08492	-1.34498	0.193786	0.302852	-5.61321
ING3	-0.19863	0.016634	-1.34493	0.193804	0.302852	-5.61328
SMPD3	0.8655	0.148674	1.344916	0.193807	0.302852	-5.6133
XAGE5	0.327551	-0.0137	1.344867	0.193823	0.302852	-5.61336
LANCL3	-0.46055	0.651795	-1.34441	0.193969	0.303057	-5.61394
NR6A1	0.276596	-0.10939	1.344315	0.193998	0.303078	-5.61406
TMEM150	-0.33133	0.072563	-1.33637	0.197324	0.306923	-5.61422
ZYG11B	-0.13825	0.023526	-1.34416	0.194046	0.30312	-5.61425
GNAQ	-0.44984	0.197338	-1.34405	0.194082	0.303136	-5.61439
TOMM20	0.359218	-0.66225	1.343979	0.194105	0.303148	-5.61448
DNAJC21	-0.38437	0.105593	-1.34382	0.194156	0.3032	-5.61468
CHP2	-0.21181	-0.08872	-1.34378	0.194169	0.3032	-5.61474
SRRB4D	0.449351	-0.08949	1.343441	0.194276	0.303342	-5.61516
TAS2R1	-0.3131	0.122946	-1.34313	0.194375	0.303472	-5.61555
MIR1245A	-0.19549	0.047892	-1.34297	0.194424	0.303526	-5.61575
FAM155B	-0.28537	0.006528	-1.34226	0.194652	0.30385	-5.61665
NOD1	-0.43307	0.583573	-1.34222	0.194663	0.30385	-5.6167
RASL11A	-0.42721	0.616246	-1.34215	0.194688	0.303864	-5.61679

GPM6A	-0.39826	-0.16485	-1.26322	0.225965	0.340582	-5.61706
NEU3	-0.20055	-0.05266	-1.3419	0.194767	0.303964	-5.61711
ZFP2	-0.45632	0.245254	-1.30239	0.208459	0.320231	-5.61713
KIAA1661	0.27565	-0.34254	1.324781	0.201941	0.312332	-5.61723
ITGAL	-0.33366	0.502599	-1.34174	0.194817	0.304018	-5.61731
TRPC3	-0.23772	-0.17254	-1.32448	0.202039	0.312401	-5.61761
C18orf19	-0.37084	0.07331	-1.34146	0.194906	0.304133	-5.61766
LOC38933	-0.46912	-0.5337	-1.33356	0.198227	0.308014	-5.61775
ADIPOR2	-0.11907	-0.02216	-1.34098	0.195059	0.304303	-5.61826
AATF	-0.21364	0.249237	-1.34097	0.195062	0.304303	-5.61828
CSF3	0.379029	-0.29779	1.301165	0.20887	0.320762	-5.61863
SOD3	0.251037	-0.37527	1.274477	0.220846	0.334771	-5.61873
KIAA1407	-0.46248	0.318339	-1.34049	0.195217	0.304497	-5.61889
PELI3	0.350347	-0.23314	1.340312	0.195273	0.304538	-5.61911
TRAPPC2L	-0.28333	0.481887	-1.34031	0.195275	0.304538	-5.61912
IDE	-0.23819	0.042099	-1.33957	0.195509	0.304854	-5.62004
PLCD3	-0.44055	0.654716	-1.3395	0.195532	0.304866	-5.62013
PLA2G1B	-0.21784	0.034099	-1.33942	0.195557	0.304879	-5.62023
TMED8	-1.06895	0.232768	-1.33141	0.198919	0.308844	-5.62043
SLC6A1	-0.23594	0.044855	-1.33922	0.195621	0.304933	-5.62048
SEZ6L	0.311471	-0.18403	1.331303	0.198954	0.308875	-5.62057
ESRP1	-0.22108	0.011968	-1.33909	0.195665	0.304976	-5.62065
SCN1A	-0.3251	0.108965	-1.33121	0.198984	0.308881	-5.62069
ZCCHC11	-0.30584	0.162852	-1.33896	0.195706	0.304997	-5.62081
ATPBD4	-0.38817	0.320865	-1.33895	0.195709	0.304997	-5.62083
CDK16	-0.25767	0.509129	-1.33877	0.195766	0.305061	-5.62105
HMGA1	-0.33693	0.216048	-1.33859	0.195822	0.305111	-5.62127
C19orf28	0.312702	0.082679	1.338538	0.19584	0.305111	-5.62134
KRTCAP2	0.256757	-0.25624	1.338525	0.195845	0.305111	-5.62136
PRDM14	0.335156	-0.19311	1.298784	0.20967	0.321713	-5.62155
PROL1	-0.20978	-0.12594	-1.32126	0.203087	0.313693	-5.6216
PRR15	0.317045	-0.15844	1.338334	0.195905	0.305181	-5.6216
ZNF503	0.338459	0.043552	1.337994	0.196014	0.305327	-5.62203
NDNF	0.531701	-0.27398	1.242879	0.230915	0.345544	-5.62214
KLHL36	-0.27528	0.138463	-1.33777	0.196085	0.305412	-5.6223
FLYWCH1	0.26108	0.16439	1.337501	0.196172	0.305524	-5.62265
ASAH2	0.283535	-0.13914	1.309366	0.207969	0.319529	-5.62271
SMEK2	0.617589	-0.15754	1.241945	0.231251	0.345809	-5.62323
ARRDC4	-0.44933	0.162469	-1.32917	0.199645	0.309653	-5.62324
CTSB	-0.41582	0.213	-1.33678	0.196402	0.305833	-5.62355
CACNA1G	0.197092	-0.19236	1.336706	0.196427	0.305848	-5.62365
CCL3L3	-0.60319	0.360735	-1.33655	0.196476	0.305901	-5.62384
HARS	-0.22429	0.216942	-1.33646	0.196505	0.30592	-5.62395
ERO1LB	-0.42832	0.450945	-1.33593	0.196675	0.306088	-5.62462
ISM1	0.235092	-0.50969	1.318735	0.203914	0.314615	-5.62472
NAPA	-0.34432	0.518855	-1.33572	0.196745	0.306172	-5.62489
PTGIS	-0.4069	-0.0146	-1.3355	0.196815	0.306257	-5.62516

LOC254555	-0.43917	0.144829	-1.28806	0.21416	0.327091	-5.62552
ANKRD18B	0.484996	0.11142	1.326791	0.200415	0.310552	-5.6262
PNMA2	0.395368	-0.11871	1.334388	0.197172	0.306764	-5.62656
LSG1	-0.30901	0.273933	-1.33428	0.197205	0.306791	-5.62669
C5orf42	0.292458	-0.02768	1.33403	0.197287	0.306895	-5.62701
STT3A	0.266639	0.030356	1.333829	0.197352	0.306923	-5.62726
RRAGC	0.231652	-0.19357	1.333827	0.197352	0.306923	-5.62726
PHF15	-0.38681	0.522579	-1.33347	0.197466	0.307075	-5.6277
LOC727869	-0.36807	0.323051	-1.33327	0.197532	0.307154	-5.62796
SMNDC1	-0.34641	0.055623	-1.32519	0.200934	0.311086	-5.62819
EPN1	-0.42277	0.770496	-1.33282	0.197676	0.307353	-5.62852
ENOPH1	-0.43861	0.128102	-1.33245	0.197797	0.307517	-5.62899
CCDC148	0.163414	-0.04415	1.324396	0.201194	0.311438	-5.62919
NICN1	0.274615	-0.42362	1.332134	0.197898	0.307604	-5.62939
RIC8B	-0.41693	0.128372	-1.33213	0.1979	0.307604	-5.62939
LOC100128	0.28053	-0.09925	1.331909	0.197971	0.307665	-5.62967
XPA	-0.23794	-0.01446	-1.33134	0.198154	0.307925	-5.63038
LOC283089	0.198935	-0.22228	1.274935	0.219617	0.333348	-5.63072
NOL12	-0.23656	0.174511	-1.33097	0.198274	0.308047	-5.63084
STAT4	0.227769	-0.16484	1.330953	0.19828	0.308047	-5.63087
ND5	-0.47931	0.940583	-1.33086	0.198309	0.308068	-5.63098
AACS	0.194985	-0.08847	1.330761	0.198342	0.308075	-5.63111
CXorf23	0.502499	-0.11541	1.330751	0.198345	0.308075	-5.63112
TELO2	-0.27823	0.409971	-1.33059	0.198396	0.308131	-5.63132
ADAMTSL5	-0.31388	0.284645	-1.32911	0.198876	0.308844	-5.63317
TMEM18	-0.39873	0.22537	-1.32902	0.198905	0.308844	-5.63328
ACADVL	0.203432	-0.06966	1.328988	0.198916	0.308844	-5.63333
HMG20B	-0.16028	0.317493	-1.32876	0.19899	0.308881	-5.63361
FAM169B	0.290483	-0.14945	1.328695	0.19901	0.308889	-5.63369
STH	-0.28499	0.015983	-1.32859	0.199044	0.308895	-5.63382
FZD9	0.208067	-0.2677	1.328585	0.199046	0.308895	-5.63383
LOC100289	-0.36653	0.275588	-1.32848	0.199081	0.308925	-5.63397
SMAGP	0.22501	0.155505	1.328393	0.199108	0.308943	-5.63407
GMPPB	-0.29872	0.558683	-1.32817	0.19918	0.309029	-5.63434
ERC1	-0.24782	-0.0362	-1.32802	0.19923	0.309064	-5.63454
C1orf9	-0.38468	-0.24977	-1.32801	0.199234	0.309064	-5.63455
CLIC2	0.480302	0.05645	1.280458	0.21676	0.330093	-5.6347
SPRR4	0.271051	-0.13115	1.28044	0.216766	0.330093	-5.63472
KLK6	0.183	-0.14125	1.32708	0.199534	0.309506	-5.63571
LCP2	-0.30425	0.293218	-1.32654	0.19971	0.30973	-5.63639
VAT1L	0.173498	-0.07715	1.32648	0.199729	0.309735	-5.63646
WFIKK1	-0.33974	0.726995	-1.32629	0.199792	0.309807	-5.6367
NKX3-2	-0.28522	-0.08723	-1.31818	0.203225	0.313864	-5.63691
MAL2	-0.30059	-0.18608	-1.3088	0.207187	0.318652	-5.63697
EDDM3A	-0.23941	0.008875	-1.32564	0.200002	0.310072	-5.63751
IL2RA	-0.632	0.472715	-1.32558	0.200021	0.310072	-5.63758
HCFC1	-0.43314	0.644098	-1.32557	0.200026	0.310072	-5.6376

MEI1	-0.25695	0.077663	-1.32507	0.200189	0.310276	-5.63823
PKIG	-0.37652	0.509159	-1.32494	0.20023	0.310314	-5.63838
HLA-DMA	0.423843	-0.04151	1.324381	0.200413	0.310552	-5.63908
FZD2	0.486917	0.176131	1.324116	0.200499	0.310645	-5.63941
AHRR	-0.54391	0.35503	-1.32409	0.200507	0.310645	-5.63944
TTY13	-0.35664	0.07289	-1.32404	0.200525	0.310649	-5.63951
PSMA5	-0.22483	0.028707	-1.32398	0.200542	0.310651	-5.63958
CIB1	0.245202	0.001774	1.323808	0.2006	0.310703	-5.6398
GTF2H4	-0.29727	0.324221	-1.32376	0.200616	0.310703	-5.63986
PM20D2	0.455749	-0.01871	1.32372	0.200628	0.310703	-5.63991
PM20D1	-0.47038	0.224985	-1.32369	0.200639	0.310703	-5.63995
FBXW11	0.178891	-0.19569	1.32356	0.20068	0.310742	-5.64011
RFX3	-0.21371	0.062522	-1.32284	0.200916	0.311083	-5.64101
WDR44	-0.31432	-0.27337	-1.32252	0.201019	0.311193	-5.6414
METTL21A	-0.31738	0.293748	-1.32121	0.201448	0.311783	-5.64303
TMEM191	0.251844	-0.07795	1.320966	0.201528	0.311881	-5.64334
PARP10	-0.41997	0.478569	-1.32092	0.201543	0.311881	-5.64339
WDFY1	-0.62492	-0.11654	-1.32086	0.201563	0.311887	-5.64347
CCL26	-0.42975	-0.0156	-1.32059	0.20165	0.311997	-5.6438
TMPRSS12	-0.41385	0.08277	-1.32053	0.201671	0.312005	-5.64388
CD1C	0.574654	-0.46369	1.320126	0.201803	0.312161	-5.64438
LARS	0.175486	-0.13159	1.320124	0.201804	0.312161	-5.64439
FAN1	0.28168	-0.13495	1.319523	0.202001	0.312367	-5.64513
PLOD1	-0.39788	0.362408	-1.31904	0.202159	0.312562	-5.64573
NDUFS8	0.267074	-0.07624	1.318907	0.202203	0.312606	-5.6459
LOC10028	-0.26519	-0.04789	-1.31885	0.202221	0.312609	-5.64597
BMI1	-0.34413	0.0983	-1.31848	0.202342	0.312772	-5.64643
SERPINB11	0.213478	-0.16992	1.310357	0.205806	0.31705	-5.64658
HIST1H3A	-0.43457	0.277267	-1.31807	0.202477	0.312956	-5.64694
IL24	0.350365	0.105175	1.31799	0.202504	0.312973	-5.64704
RAB3B	0.38077	0.01552	1.317914	0.202529	0.312986	-5.64713
FDX1L	0.338753	0.280898	1.317739	0.202587	0.313046	-5.64735
HEXIM1	0.194831	0.000416	1.317699	0.2026	0.313046	-5.6474
AQP3	0.458722	-0.0656	1.317222	0.202757	0.313264	-5.64799
FANCD2	0.138781	-0.02776	1.31658	0.202968	0.313566	-5.64879
RNF144A	0.298787	-0.09675	1.276258	0.217353	0.330705	-5.64887
KCND3	0.331793	0.022783	1.316503	0.202993	0.31358	-5.64888
HSPB1	0.534555	0.480008	1.316185	0.203098	0.313693	-5.64928
RPE	-0.67951	0.907965	-1.31568	0.203266	0.313902	-5.64991
UST	0.477245	0.021267	1.258815	0.225244	0.339886	-5.64992
KANK1	0.643583	-0.40245	1.315499	0.203324	0.313967	-5.65013
LOC10050	0.262015	0.011661	1.315216	0.203417	0.314086	-5.65048
ZNF324	0.147841	-0.05574	1.315155	0.203437	0.314086	-5.65056
SDHAF1	0.282046	-0.21407	1.315121	0.203449	0.314086	-5.6506
MT1M	0.218142	-0.07351	1.314765	0.203566	0.314187	-5.65104
RFFL	-0.39374	0.496169	-1.31476	0.203569	0.314187	-5.65105
C11orf75	-0.37328	0.06304	-1.31474	0.203573	0.314187	-5.65107

COX7C	0.676481	-1.44343	1.314728	0.203578	0.314187	-5.65109
RAB40B	-0.42794	0.353998	-1.26678	0.2215	0.335465	-5.6511
PSMA8	0.463499	0.117223	1.30627	0.207164	0.318652	-5.65162
FMO2	0.356539	-0.45069	1.314196	0.203754	0.314433	-5.65175
IER5	-0.28379	0.319659	-1.31369	0.20392	0.314615	-5.65237
ZFP161	-0.48757	0.26349	-1.31362	0.203945	0.314629	-5.65246
PTRH2	0.297765	-0.166	1.313213	0.204079	0.31481	-5.65296
DCTD	0.275451	-0.04052	1.313142	0.204102	0.314822	-5.65305
SLC39A10	-0.40066	-0.03457	-1.31283	0.204206	0.314957	-5.65344
CRYGC	-0.36499	-0.15041	-1.30462	0.207715	0.319188	-5.65365
PES1	-0.38655	0.367601	-1.3118	0.204547	0.315458	-5.65472
GOLGA8F	0.499703	-0.04821	1.311662	0.204592	0.315502	-5.65489
TCL1B	-0.59777	0.819895	-1.3115	0.204645	0.315559	-5.65508
PDCD5	-0.40305	0.290722	-1.31104	0.204799	0.315773	-5.65566
ARMC5	0.162842	-0.03386	1.310925	0.204836	0.315804	-5.6558
SLAMF8	-0.58267	0.029459	-1.31084	0.204866	0.315825	-5.65591
GTF3A	0.338656	-0.39259	1.309541	0.205296	0.316426	-5.65751
CCNF	-0.4879	0.729709	-1.30952	0.205304	0.316426	-5.65754
SRP54	-0.47779	0.245776	-1.30923	0.205399	0.316547	-5.65789
PGK2	0.374248	-0.2975	1.291299	0.213059	0.325663	-5.65837
TACSTD2	-1.04813	0.032717	-1.30065	0.209043	0.320901	-5.65852
LCN2	-1.31286	0.59144	-1.30863	0.205598	0.316829	-5.65863
SUN2	-0.34924	0.416354	-1.30853	0.20563	0.316846	-5.65875
MIR17HG	-0.35113	0.345841	-1.3085	0.205641	0.316846	-5.65879
FANCM	-0.43232	-0.07715	-1.30843	0.205666	0.31686	-5.65889
GUCY2F	0.745793	-1.20071	0.889303	0.39733	0.523134	-5.65929
ZNF549	0.38321	-0.14814	1.290486	0.213335	0.326059	-5.65936
PTRH1	0.268013	-0.00643	1.307741	0.205894	0.317161	-5.65973
ZHX2	0.211721	-0.04535	1.307385	0.206012	0.317318	-5.66017
USP24	-0.22236	-0.0484	-1.30723	0.206065	0.317374	-5.66037
AKAP14	-0.27988	0.05786	-1.30693	0.206164	0.317502	-5.66073
MAK	0.458107	0.188499	1.306581	0.206281	0.317657	-5.66116
LOC28595	-0.61664	1.126065	-1.30647	0.206317	0.317687	-5.6613
HSPA9	-0.32181	0.384329	-1.30628	0.206382	0.317763	-5.66154
USP9Y	-0.59772	0.265723	-1.30589	0.206509	0.317901	-5.66201
PPP1R8	-0.25149	-0.02548	-1.30586	0.206521	0.317901	-5.66205
ZNF280A	0.382955	-0.48636	1.25749	0.224767	0.33935	-5.66217
SLC25A33	-0.27648	0.071731	-1.30566	0.206587	0.317978	-5.66229
LNX2	0.261539	-0.5629	1.305368	0.206685	0.318091	-5.66266
TMUB1	-0.16468	0.151863	-1.30534	0.206693	0.318091	-5.66269
RAB38	-0.438	-0.17259	-1.30495	0.206825	0.318246	-5.66318
MAGED2	-0.25506	0.321525	-1.30445	0.206993	0.318479	-5.6638
TEKT1	-0.13442	0.026883	-1.30427	0.207053	0.318546	-5.66402
GMEB1	-0.16771	0.394881	-1.30413	0.207098	0.31859	-5.66418
CC2D2A	0.355851	-0.11239	1.295866	0.210653	0.322716	-5.66438
GRK5	0.287274	0.226317	1.303896	0.207177	0.318652	-5.66447
MSX1	-0.38039	-0.14531	-1.2611	0.225502	0.340071	-5.6646

CEP112	0.357823	-0.03752	1.303731	0.207232	0.318653	-5.66468
NKTR	-0.27379	0.35539	-1.30372	0.207236	0.318653	-5.66469
ACAD9	-0.21074	0.258863	-1.3037	0.207243	0.318653	-5.66472
TRIB3	0.372084	0.21735	1.303669	0.207253	0.318653	-5.66475
LOC145783	-0.2276	0.389882	-1.30358	0.207282	0.318673	-5.66486
ZNF423	0.351042	-0.13211	1.285752	0.214946	0.327934	-5.6651
ZNF501	-0.21921	-0.16451	-1.25497	0.225659	0.340251	-5.66516
SLC46A2	0.657608	0.006785	1.303259	0.20739	0.318814	-5.66526
DNASE2	-0.31422	0.460878	-1.3032	0.20741	0.318819	-5.66533
NPY5R	-0.20529	0.062298	-1.29507	0.210923	0.323013	-5.66536
C6orf218	-0.33054	-0.26247	-1.29505	0.210929	0.323013	-5.66538
UBE2Q2	-0.36061	-0.01703	-1.30308	0.20745	0.318856	-5.66548
LOC541473	-0.43244	-0.04955	-1.30234	0.207697	0.319185	-5.66638
IGFBP1	-0.24575	0.210347	-1.29382	0.211346	0.323553	-5.66688
ATXN2	0.133609	-0.02672	1.301897	0.207846	0.319365	-5.66693
GSTT1	0.458844	0.172014	1.253048	0.226341	0.340991	-5.66743
TAS2R46	-0.58851	0.106064	-1.2838	0.215615	0.328724	-5.66747
NUP210L	0.206195	-0.20058	1.300332	0.208372	0.320122	-5.66886
PA2G4	-0.24736	0.320764	-1.29977	0.20856	0.320361	-5.66954
EIF4EBP2	0.516966	-0.06885	1.299287	0.208723	0.320587	-5.67014
ZNF304	-0.39402	0.188034	-1.2989	0.208853	0.320761	-5.67061
FRAT2	-0.32958	0.392317	-1.29878	0.208893	0.320772	-5.67076
CORO1B	-0.39991	0.811461	-1.29865	0.208939	0.320818	-5.67093
NSD1	-0.28008	0.42947	-1.29849	0.208992	0.320874	-5.67112
AMIGO3	0.235933	-0.01378	1.298343	0.209041	0.320901	-5.6713
ALS2	0.251548	-0.12321	1.298159	0.209103	0.320969	-5.67152
PFKFB2	0.295397	-0.48103	1.297433	0.209348	0.321319	-5.67241
NKX2-2	0.140121	-0.03038	1.29738	0.209366	0.321321	-5.67248
SUPT4H1	-0.26241	0.246389	-1.29703	0.209484	0.321478	-5.67291
ENG	0.368619	0.179581	1.296699	0.209596	0.321624	-5.67331
PRSS54	-0.52669	0.17448	-1.2964	0.209697	0.321729	-5.67368
MRPL41	0.322138	0.033112	1.296327	0.209721	0.321741	-5.67377
PRDX4	-0.37537	0.06823	-1.296	0.209832	0.321884	-5.67417
GPAM	-0.45317	0.18213	-1.29595	0.209847	0.321884	-5.67423
C6orf154	0.343681	0.266131	1.295873	0.209874	0.321891	-5.67433
CHST13	-0.44667	0.06426	-1.29584	0.209885	0.321891	-5.67436
BTN3A1	-0.8679	1.134051	-1.29565	0.209949	0.321965	-5.6746
IDO2	-0.38921	0.181178	-1.27774	0.217694	0.331126	-5.67478
C17orf50	-0.20461	0.07465	-1.2953	0.210067	0.32212	-5.67502
EPHA4	0.469797	0.012467	1.294991	0.210173	0.322224	-5.67541
TEX10	0.393395	-0.24413	1.294985	0.210175	0.322224	-5.67541
LOC100503	-0.33915	0.317696	-1.29496	0.210184	0.322224	-5.67545
CDKN2AIP1	0.376685	-0.20933	1.294636	0.210293	0.322366	-5.67584
DHX57	0.295066	-0.06093	1.294517	0.210333	0.322402	-5.67599
TMEM104	0.204032	0.078573	1.294354	0.210388	0.322461	-5.67619
RANGRF	0.316363	-0.11195	1.29392	0.210535	0.322662	-5.67672
OR2A20P	-0.25114	0.106965	-1.29383	0.210565	0.322682	-5.67683

SLC25A30	-0.31567	-0.22841	-1.25286	0.225565	0.340135	-5.67684
NR2E3	-0.29858	-0.29402	-1.21162	0.245904	0.363339	-5.67701
DCUN1D5	-0.4067	-0.15685	-1.29368	0.210617	0.322716	-5.67701
NFE2L3	0.338786	-0.24005	1.293624	0.210636	0.322716	-5.67708
XRCC6BP1	-0.36102	0.0331	-1.2936	0.210644	0.322716	-5.67711
CNDP1	0.207014	-0.47865	1.293375	0.21072	0.322793	-5.67738
PINX1	-0.28235	0.41746	-1.2932	0.210779	0.32285	-5.6776
MSN	-0.35222	0.402667	-1.29239	0.211056	0.323181	-5.67859
LOC440354	0.165522	-0.01943	1.284007	0.214686	0.327639	-5.67882
TRIP13	0.676148	-0.22917	1.161737	0.264951	0.384467	-5.67899
CXorf69	-0.32083	0.1458	-1.28358	0.214833	0.327812	-5.67934
PNPLA7	-0.4148	0.036735	-1.29157	0.211331	0.323553	-5.67959
C20orf11	0.227898	-0.23284	1.291478	0.211364	0.323553	-5.6797
TMEM97	-0.47032	0.590484	-1.29148	0.211364	0.323553	-5.6797
RNH1	0.274115	0.188631	1.291386	0.211395	0.323574	-5.67981
ZNF449	0.195013	-0.04334	1.273453	0.219178	0.332835	-5.67994
C11orf68	-0.1502	0.249851	-1.29112	0.211486	0.323687	-5.68014
NOB1	-0.36558	0.564761	-1.29098	0.211532	0.323733	-5.68031
NOMO1	-0.29986	0.483566	-1.29091	0.211557	0.323746	-5.6804
LAMA2	0.60632	-0.22864	1.110759	0.285564	0.407048	-5.68052
RMND5A	-0.41747	0.249958	-1.2906	0.211662	0.323856	-5.68077
ESM1	0.229486	-0.16536	1.290502	0.211695	0.323882	-5.68089
HLA-DRB3	0.770074	-0.83659	1.290214	0.211793	0.324007	-5.68124
C11orf65	-0.35288	-0.05894	-1.24127	0.230559	0.345089	-5.68132
IDUA	0.342474	0.217584	1.2896	0.212002	0.324301	-5.68199
ZNF542	-0.1995	-0.05447	-1.2891	0.212172	0.324536	-5.6826
MIA	-0.33638	0.614879	-1.28905	0.212189	0.324536	-5.68266
ZNF692	-0.31255	0.472454	-1.28847	0.212387	0.324811	-5.68337
CEP350	0.258781	-0.44816	1.288428	0.212402	0.324811	-5.68342
USP51	-0.48704	0.628651	-1.24692	0.227686	0.34205	-5.68386
IQCC	0.280107	-0.22663	1.287757	0.212631	0.325103	-5.68424
FUCA1	0.202872	-0.30232	1.287734	0.212639	0.325103	-5.68427
C17orf98	-0.30105	-0.08263	-1.28772	0.212643	0.325103	-5.68428
FASTKD5	-0.19032	-0.00787	-1.28714	0.212842	0.325382	-5.68499
TP63	0.378994	-0.1756	1.122903	0.278185	0.398895	-5.68681
MEAF6	0.268067	-0.26164	1.2853	0.213471	0.326196	-5.68723
LGALS16	0.34005	0.091351	1.285291	0.213474	0.326196	-5.68724
FAM168A	-0.76239	0.471422	-1.27667	0.217211	0.330565	-5.6877
FCGR2B	-0.44399	0.520724	-1.28491	0.213605	0.326346	-5.68771
C6orf195	-0.16459	-0.04073	-1.27631	0.217337	0.330705	-5.68814
PNOC	0.451509	-0.04303	1.284554	0.213726	0.326505	-5.68814
PTER	-0.29316	0.059205	-1.20173	0.248265	0.365753	-5.68827
C16orf80	-0.24643	0.343463	-1.28445	0.213763	0.326536	-5.68827
CCDC104	0.45712	-0.35821	1.242647	0.229223	0.343743	-5.6889
LOC641298	0.442569	-0.78898	1.112344	0.283656	0.404893	-5.68925
FAM185A	-0.31134	0.162698	-1.2834	0.214123	0.327059	-5.68954
EGR3	0.221342	-0.08325	1.282883	0.2143	0.327279	-5.69017

INSL3	-0.35253	0.361718	-1.28256	0.214411	0.327382	-5.69057
TRIM60	-0.10983	0.005487	-1.28255	0.214413	0.327382	-5.69057
GALK1	-0.29539	0.484559	-1.28254	0.214417	0.327382	-5.69059
ZNF467	-0.67751	0.850689	-1.28248	0.214437	0.327387	-5.69066
LOC100501	-0.12731	0.025461	-1.28232	0.214493	0.327446	-5.69085
TBX3	-0.28071	-0.21054	-1.25268	0.227415	0.341939	-5.69099
DKK4	0.367373	-0.39933	1.240706	0.229923	0.344454	-5.69119
HCG18	0.33636	-0.28046	1.281981	0.21461	0.327585	-5.69127
PPFIA1	-0.27867	0.142511	-1.28196	0.214617	0.327585	-5.69129
FKSG29	0.47448	-0.69768	1.073156	0.304542	0.428002	-5.69145
OR5AK2	0.361149	-0.23212	1.281801	0.214672	0.327639	-5.69149
SMAD5	0.409089	0.058861	1.273248	0.218397	0.331958	-5.69182
APBB1	0.44025	0.060712	1.281423	0.214802	0.32779	-5.69194
BTC	0.246421	-0.07441	1.281053	0.214929	0.327933	-5.69239
SLC4A4	-0.31367	0.1237	-1.27257	0.218631	0.332185	-5.69264
PIK3C2A	-0.54682	0.517659	-1.28023	0.215213	0.328315	-5.69339
COL7A1	-0.25882	0.409363	-1.27997	0.215301	0.328415	-5.6937
ITFG3	-0.22688	0.244373	-1.27994	0.215312	0.328415	-5.69374
C13orf16	-0.33684	0.258349	-1.2798	0.215362	0.328415	-5.69392
DIMT1	-0.30219	0.146947	-1.27978	0.215367	0.328415	-5.69393
RFX2	-0.5351	0.459277	-1.27976	0.215376	0.328415	-5.69397
TCF15	-0.17752	-0.00519	-1.27975	0.215379	0.328415	-5.69398
KCNJ5	-0.35157	-0.05475	-1.27923	0.215557	0.328661	-5.6946
UXS1	0.217455	-0.15916	1.278717	0.215734	0.32888	-5.69523
ST6GALNA	-0.24052	0.504117	-1.27853	0.2158	0.32894	-5.69546
IP6K3	-0.30967	0.047164	-1.27851	0.215807	0.32894	-5.69548
ZBTB44	0.287045	-0.2366	1.2782	0.215913	0.329075	-5.69585
DSG3	0.446804	-0.8971	0.414268	0.700632	0.789334	-5.69597
F10	0.224551	-0.08581	1.269407	0.219733	0.333498	-5.69644
TPRG1	-0.71567	-0.22833	-1.26932	0.219764	0.333519	-5.69655
DPF1	0.3629	-0.45055	1.16899	0.259673	0.37863	-5.69657
RGL3	0.471331	0.220931	1.277274	0.216233	0.329512	-5.69697
SYT17	0.408597	0.002455	1.277273	0.216233	0.329512	-5.69697
GGT6	0.219353	-0.16955	1.277211	0.216254	0.329519	-5.69705
NIPBL	-0.39293	0.088152	-1.27713	0.216283	0.329537	-5.69715
C6orf26	-0.23554	0.420343	-1.27708	0.2163	0.329537	-5.69721
TAMM41	0.320941	-0.01223	1.276682	0.216438	0.329722	-5.69769
ALPK2	-0.32249	-0.14787	-1.27621	0.216603	0.329947	-5.69826
VIL1	0.57916	0.313202	1.276012	0.21667	0.330024	-5.6985
TBCD	0.32174	0.175622	1.275763	0.216756	0.330093	-5.6988
TMEM48	-0.37394	-0.01372	-1.27558	0.21682	0.330147	-5.69902
SS18L2	0.324709	-0.61959	1.275535	0.216835	0.330147	-5.69908
CNO	-0.77515	0.066557	-1.04607	0.318245	0.442781	-5.69916
LHFPL3	0.281654	-0.11727	1.27535	0.216899	0.330178	-5.6993
TFAP2E	0.305654	-0.08401	1.275332	0.216905	0.330178	-5.69932
TEX2	-0.13491	0.171392	-1.27533	0.216906	0.330178	-5.69932
C11orf73	-0.21642	-0.20046	-1.27495	0.217039	0.330356	-5.69979

IARS2	-0.19933	-0.11703	-1.2748	0.21709	0.330407	-5.69996
KIAA1191	0.255325	-0.06421	1.274297	0.217264	0.330621	-5.70057
LGSN	0.711487	0.139706	1.265253	0.221186	0.335183	-5.70143
ZNF582	-0.12459	0.024917	-1.27325	0.217627	0.331089	-5.70183
S100A13	0.220239	-0.11934	1.273216	0.21764	0.331089	-5.70188
ZNF777	0.391834	0.08903	1.273026	0.217706	0.331126	-5.70211
ARHGEF15	0.217728	-0.20337	1.272992	0.217718	0.331126	-5.70215
IQCH	0.225498	-0.08523	1.272954	0.217731	0.331126	-5.70219
DNLZ	0.269036	-0.01198	1.272214	0.217988	0.331491	-5.70309
TNMD	-0.50215	0.359471	-1.27197	0.218074	0.331595	-5.70338
ACSF3	-0.25107	0.371594	-1.27177	0.218143	0.331675	-5.70362
RNASEH2B	-0.39332	0.415745	-1.2716	0.218202	0.331739	-5.70383
LOC10013:	-0.2013	0.0389	-1.27146	0.218249	0.331785	-5.70399
B3GNT3	0.454742	-0.25901	1.221549	0.237753	0.353455	-5.70431
C7	-0.23933	0.044056	-1.27115	0.218358	0.331924	-5.70436
BARHL2	0.2961	-0.3066	1.24128	0.23149	0.346088	-5.70442
THRA	0.349908	0.155665	1.270987	0.218416	0.331961	-5.70456
FPR1	-0.42533	0.238592	-1.27083	0.218471	0.332014	-5.70475
LLPH	0.322636	-0.16106	1.270789	0.218485	0.332014	-5.7048
USP27X	-0.26564	0.124453	-1.27069	0.218518	0.33204	-5.70492
MBD3	-0.38061	0.454731	-1.27022	0.218681	0.332227	-5.70548
BMP6	0.492489	-0.08546	1.270192	0.218693	0.332227	-5.70552
MYLPF	0.220882	-0.22319	1.261751	0.222417	0.336658	-5.70562
NEK4	-0.36314	0.364609	-1.27009	0.218728	0.332254	-5.70564
NKG7	0.439623	-0.22082	1.270039	0.218746	0.332257	-5.70571
CASP10	-0.32512	0.293701	-1.26968	0.21887	0.332419	-5.70613
SELS	-0.24052	-0.10288	-1.26916	0.219053	0.332671	-5.70676
ZNF785	0.448956	-0.62804	0.955345	0.362227	0.488235	-5.70681
PRO1483	0.135321	-0.02849	1.260584	0.222828	0.337124	-5.70701
LOC10050:	-0.48871	0.317256	-1.26871	0.21921	0.332858	-5.7073
NOS1	0.193813	-0.15953	1.268415	0.219314	0.332989	-5.70766
HIST4H4	0.36528	-0.45719	1.167034	0.262877	0.382192	-5.70839
EFNB2	-0.28788	0.216945	-1.26773	0.219551	0.333325	-5.70848
SLC7A7	0.369731	-0.13557	1.267631	0.219588	0.333328	-5.7086
C8orf40	-0.40391	0.263016	-1.20817	0.243651	0.360691	-5.70894
GABARAPL	-0.28448	0.304424	-1.26699	0.219814	0.333568	-5.70938
ZNF566	-0.46342	0.189561	-1.26686	0.219858	0.333609	-5.70953
C6orf52	0.256393	0.024099	1.24841	0.227995	0.342324	-5.7098
PPP3CA	0.304442	-0.3859	1.266366	0.220031	0.333846	-5.71012
SGK196	0.229785	-0.29671	1.266203	0.220088	0.333906	-5.71032
EPHA1	0.485518	-0.23397	1.266107	0.220122	0.333932	-5.71044
DNASE1L3	0.494052	-0.40506	1.265996	0.220161	0.333965	-5.71057
ATXN10	-0.41101	0.331999	-1.25729	0.223993	0.338415	-5.71095
THAP11	-0.31753	0.304406	-1.26563	0.220288	0.334133	-5.71101
HBEGF	0.231202	-0.36053	1.265492	0.220337	0.334181	-5.71117
LOC34876:	-0.34876	-0.01994	-1.2654	0.22037	0.334205	-5.71129
STXBP5L	0.54884	0.043758	1.265331	0.220394	0.334216	-5.71137

KBTBD10	-0.39922	0.187891	-1.25686	0.224143	0.338585	-5.71145
ACACA	-0.37599	0.405754	-1.26478	0.220587	0.334482	-5.71203
CDC14B	0.259172	-0.07745	1.264262	0.220769	0.334705	-5.71265
LOC100506	-0.36624	0.29085	-1.26424	0.220776	0.334705	-5.71267
CKLF	-0.12199	0.024398	-1.26422	0.220785	0.334705	-5.7127
NDUFB1	-0.44351	-0.26573	-1.26341	0.221068	0.335046	-5.71367
NPM2	-0.34475	-0.46911	-1.26341	0.221069	0.335046	-5.71367
RPL36AP4C	-0.4816	0.531834	-1.26338	0.221078	0.335046	-5.71371
SERPINA3	-0.42704	0.228804	-1.25491	0.224837	0.339389	-5.71378
EIF5A	-0.3093	0.08061	-1.263	0.221215	0.335201	-5.71417
CASZ1	0.256033	-0.15252	1.262743	0.221304	0.335299	-5.71447
GABRA6	0.087335	-0.01747	1.26265	0.221336	0.335299	-5.71458
PTPRK	-0.39807	0.103629	-1.26264	0.22134	0.335299	-5.7146
FAM13A	0.341717	-0.1794	1.262617	0.221348	0.335299	-5.71462
ACTR2	-0.25123	0.260631	-1.23236	0.23472	0.34969	-5.71486
ZNF141	-0.36157	-0.00447	-1.26228	0.221467	0.335453	-5.71503
XBP1	-0.32303	0.209215	-1.26216	0.221509	0.335465	-5.71517
MLF1IP	-0.59805	0.226914	-1.25362	0.225294	0.339936	-5.71531
ZNF830	0.941763	0.534798	1.160889	0.261856	0.381019	-5.71536
AIDA	-0.34674	-0.1973	-1.26197	0.221576	0.335541	-5.7154
RPS13	0.428597	-0.19883	1.261704	0.22167	0.335656	-5.71572
TFAP4	-0.34205	0.538664	-1.26141	0.221772	0.335786	-5.71607
LOC100506	-0.33179	-0.13635	-1.21924	0.23778	0.353468	-5.71625
CASP12	-0.31026	0.025832	-1.26094	0.221937	0.33601	-5.71663
SLC1A4	0.26732	0.268826	1.260859	0.221968	0.33603	-5.71673
BAIAP3	0.514147	0.358572	1.260723	0.222016	0.336077	-5.71689
AES	-0.3982	0.629762	-1.2593	0.222518	0.336785	-5.71859
GALT	-0.26229	0.267372	-1.2592	0.222553	0.336812	-5.71871
FAM81B	0.362456	0.096258	1.216941	0.238632	0.354547	-5.71891
RBBP4	-0.45622	0.350561	-1.25879	0.222699	0.336999	-5.7192
PCBD1	0.184774	-0.06185	1.258727	0.222721	0.336999	-5.71928
ZSCAN18	-0.32476	0.467046	-1.25871	0.222729	0.336999	-5.7193
CST8	-0.37784	0.110476	-1.24953	0.226753	0.341402	-5.72017
RAPGEF1	-0.33785	0.0824	-1.25762	0.223113	0.337529	-5.7206
TMEM216	-0.17589	0.043395	-1.25749	0.223157	0.33757	-5.72075
TPP2	0.239685	-0.31165	1.257366	0.223203	0.337613	-5.72091
SPHKAP	0.393813	0.026473	1.257101	0.223297	0.337708	-5.72122
MRPS17	-0.39036	0.902109	-1.25709	0.2233	0.337708	-5.72123
KLHL3	0.549836	-0.25645	1.257038	0.223319	0.337711	-5.7213
C13orf41	-0.37952	0.011311	-1.25682	0.223397	0.337803	-5.72156
DSG4	-0.25026	-0.11356	-1.25667	0.223449	0.337853	-5.72173
KLRK1	-0.15079	-0.02592	-1.25663	0.223465	0.337853	-5.72179
FAM135B	-0.34917	-0.06046	-1.20638	0.243406	0.360409	-5.7218
ZNF19	-0.58624	-0.15324	-1.25649	0.223514	0.337875	-5.72195
EIF2C4	-0.53931	0.62723	-1.25645	0.223527	0.337875	-5.72199
CCT3	0.330896	0.007658	1.256441	0.223531	0.337875	-5.72201
RPL39L	-0.39219	0.050979	-1.25631	0.223577	0.337918	-5.72216

XAGE-4	0.285612	-0.21369	1.23783	0.231801	0.34636	-5.72226
SIK1	0.472592	0.098814	1.256	0.223688	0.338059	-5.72254
LOC728716	-0.33407	0.049302	-1.25568	0.223802	0.338205	-5.72292
ZNF567	-0.48409	-0.07056	-1.21318	0.240033	0.356303	-5.72325
RAB5A	-0.57909	0.539876	-1.25533	0.223924	0.338365	-5.72333
ZFP62	-0.37038	0.093234	-1.2552	0.22397	0.338408	-5.72348
PIK3C2G	-0.2408	0.068247	-1.23652	0.232275	0.346851	-5.7238
LOC654433	-0.82402	0.714674	-1.21269	0.240215	0.356509	-5.72382
SYAP1	0.332713	0.118964	1.254828	0.224104	0.338557	-5.72393
RBBP5	-0.33527	0.497327	-1.25468	0.224157	0.338585	-5.72411
TLL2	0.398819	-0.06579	1.254318	0.224285	0.338754	-5.72454
DHX30	0.212126	-0.06321	1.254101	0.224363	0.338844	-5.7248
SOHLH2	-0.42603	0.23425	-1.21133	0.240725	0.357142	-5.72539
CACNA1S	0.163982	-0.14761	1.253492	0.224579	0.339127	-5.72553
GEMIN4	0.436148	0.031861	1.253478	0.224584	0.339127	-5.72554
HKDC1	0.609167	-0.45178	1.253291	0.224651	0.339201	-5.72576
OR3A2	-0.23899	0.139299	-1.24462	0.228514	0.342841	-5.72599
MGC12982	-0.25544	0.567586	-1.25279	0.22483	0.339389	-5.72636
SERPINB9	0.767604	-0.25737	1.252713	0.224857	0.339389	-5.72645
LMOD3	-0.12656	0.028182	-1.2527	0.224862	0.339389	-5.72647
SKA1	-0.67483	0.599591	-1.25249	0.224936	0.339474	-5.72672
LOC645753	0.296472	-0.44528	1.252246	0.225023	0.33958	-5.72701
FBXL15	-0.19506	0.124587	-1.25144	0.225312	0.339938	-5.72797
HEXB	-0.29764	0.028189	-1.25122	0.225391	0.34	-5.72823
GALNT3	-0.11844	0.023687	-1.25121	0.225392	0.34	-5.72824
KIR2DS2	0.498388	0.103579	1.251175	0.225406	0.34	-5.72828
ADAM28	0.412748	0.09466	1.250927	0.225494	0.340071	-5.72858
MFSD2A	0.202405	0.010817	1.250898	0.225505	0.340071	-5.72861
C14orf169	0.318927	-0.06662	1.250417	0.225677	0.340251	-5.72918
SEC24D	-0.4415	0.150413	-1.25015	0.225771	0.340368	-5.7295
FLJ27352	0.405079	-0.34094	1.207618	0.242117	0.358989	-5.72966
C17orf58	-0.10966	0.011255	-1.24992	0.225854	0.340467	-5.72977
PLD4	0.59167	0.325246	1.249764	0.22591	0.340525	-5.72996
C6orf106	0.187421	-0.10616	1.24938	0.226047	0.340679	-5.73042
EMR2	-0.51722	0.252674	-1.24933	0.226066	0.340681	-5.73048
OCIAD2	0.477444	-0.34637	1.249014	0.226178	0.340824	-5.73085
ASB11	0.212576	-0.26072	0.571404	0.583681	0.69334	-5.73087
RND1	0.224207	-0.01603	1.240391	0.230037	0.344598	-5.73097
TIGD5	0.236048	0.072359	1.248906	0.226217	0.340856	-5.73098
KCTD17	-0.31737	0.516217	-1.24878	0.226261	0.340896	-5.73112
TULP2	0.319763	-0.17979	1.239983	0.230184	0.34474	-5.73145
NDRG2	0.537844	0.156132	1.248164	0.226483	0.341178	-5.73186
SMAD3	0.290727	0.14646	1.248044	0.226526	0.341217	-5.732
KRT19P2	-0.47366	-0.26613	-1.24784	0.226599	0.341296	-5.73224
GPR20	0.67864	-0.28367	1.247801	0.226613	0.341296	-5.73229
TIMM17B	-0.17642	0.100847	-1.24758	0.226691	0.341364	-5.73255
DAG1	0.301553	-0.21371	1.247576	0.226694	0.341364	-5.73256

POPDC3	-0.31364	-0.0526	-1.24744	0.226743	0.341402	-5.73272
ZNF562	-0.24367	-0.03134	-1.23887	0.230587	0.345106	-5.73276
RPL23AP5	0.247293	-0.03785	1.247275	0.226802	0.341448	-5.73291
PGA3	0.853022	-0.41191	1.247123	0.226856	0.341456	-5.73309
WBSCR27	0.871252	-0.17206	1.247114	0.226859	0.341456	-5.73311
COMMD3	-0.38948	-0.18028	-1.24707	0.226876	0.341456	-5.73316
VSNL1	-0.37182	0.256767	-1.24704	0.226888	0.341456	-5.7332
ENAH	-0.42208	0.279376	-1.24702	0.226894	0.341456	-5.73322
TMEM64	-0.21952	0.021748	-1.24666	0.227024	0.341625	-5.73365
MYL3	-0.25432	-0.00097	-1.24655	0.22706	0.341654	-5.73377
LAMP2	-0.43218	0.197413	-1.2464	0.227116	0.341712	-5.73395
KAT6A	-0.34765	0.598113	-1.24623	0.227176	0.341753	-5.73415
KIAA1804	-0.14198	0.028395	-1.2462	0.227187	0.341753	-5.73419
TCEAL4	0.261088	0.234479	1.246137	0.22721	0.341753	-5.73426
AQP4	0.117101	-0.02342	1.246129	0.227213	0.341753	-5.73427
LOC100128	-0.32976	-0.186	-1.23745	0.231101	0.34569	-5.73443
TPTE2P3	0.307649	-0.35213	1.195242	0.247619	0.365102	-5.73451
TMEM161	-0.42489	-0.125	-1.24571	0.227365	0.341933	-5.73477
DARS	0.243991	-0.31994	1.24567	0.227378	0.341933	-5.73482
C17orf49	-0.1933	0.019791	-1.24565	0.227385	0.341933	-5.73484
KCNK2	0.324538	-0.29765	1.203092	0.243823	0.360917	-5.73485
WAS	-0.25665	0.354527	-1.24551	0.227437	0.341939	-5.73501
MAN2A1	0.27267	0.029003	1.245493	0.227442	0.341939	-5.73503
NDUFA12	0.256439	-0.12208	1.245144	0.227567	0.34205	-5.73544
SCD	-0.42191	0.315757	-1.24503	0.227609	0.34205	-5.73558
GYG2	-0.25832	0.072284	-1.24498	0.227625	0.34205	-5.73563
EGR1	0.377188	-0.2274	1.244922	0.227647	0.34205	-5.7357
SLC2A9	0.378214	0.029954	1.244887	0.22766	0.34205	-5.73574
PER2	-0.30662	0.102385	-1.24488	0.227661	0.34205	-5.73575
SNAP25	-0.39147	0.156143	-1.24481	0.227686	0.34205	-5.73583
EIF3E	-0.49944	0.102033	-1.2448	0.22769	0.34205	-5.73585
B9D1	-0.32804	0.776438	-1.24477	0.227701	0.34205	-5.73588
CRYBB2	-0.50728	0.228122	-1.24475	0.227709	0.34205	-5.73591
HDAC10	-0.27123	0.453615	-1.24471	0.227725	0.34205	-5.73596
FXN	0.286855	-0.04519	1.24449	0.227803	0.342124	-5.73622
SLC5A5	0.264442	-0.36664	1.244471	0.227809	0.342124	-5.73624
HSD11B1L	-0.29717	0.378102	-1.24433	0.227862	0.342177	-5.73641
SLC35B2	0.238697	0.016868	1.244177	0.227916	0.342231	-5.73659
FBXL2	-0.171	-0.16714	-1.23549	0.231814	0.34636	-5.73674
MPI	0.4039	-0.08523	1.243882	0.228021	0.342338	-5.73693
HOXD11	-0.24329	-0.03591	-1.20123	0.244526	0.361767	-5.73698
SLC24A3	0.645562	0.052249	1.24354	0.228145	0.342497	-5.73734
SLC9A2	0.203698	-0.22231	1.23486	0.232043	0.346616	-5.73747
FBXO10	0.399802	0.003448	1.243397	0.228196	0.342548	-5.73751
LIMS2	-0.38269	0.461636	-1.24313	0.228292	0.342631	-5.73782
PIK3IP1	0.488206	-0.13061	1.243108	0.228301	0.342631	-5.73785
GDPD4	-0.17777	-0.09028	-1.24307	0.228315	0.342631	-5.7379

CPE	-0.16592	0.046056	-1.24305	0.228322	0.342631	-5.73792
LOC10013:	-0.27384	0.027771	-1.24292	0.22837	0.342677	-5.73808
ZNF417	0.188135	-0.15479	1.242776	0.228421	0.342727	-5.73824
FGF14	0.313396	-0.0877	1.200006	0.24499	0.362263	-5.73838
DOC2A	0.159045	-0.02502	1.191712	0.248966	0.366431	-5.73852
TRIM9	0.479686	0.22377	1.241947	0.22872	0.343123	-5.73922
FAM114A2	-0.34065	-0.0732	-1.23336	0.232588	0.347225	-5.73923
LOC64598:	-0.16887	0.010769	-1.23323	0.232637	0.347272	-5.73939
ULK2	0.418435	-0.49471	1.241681	0.228816	0.343241	-5.73954
DCPS	-0.21052	0.469331	-1.2414	0.228919	0.343369	-5.73987
LOC10050:	0.347861	-0.40121	1.240523	0.229234	0.343743	-5.7409
ADNP2	-0.32314	0.05305	-1.24051	0.229237	0.343743	-5.74091
LOC64146:	-0.20021	-0.03076	-1.24051	0.229238	0.343743	-5.74092
CTTNBP2N	0.132778	-0.05648	1.231898	0.233122	0.347917	-5.74095
TPH1	-0.42441	0.152666	-1.24034	0.229301	0.343811	-5.74112
CCDC120	0.269865	-0.23437	1.240275	0.229324	0.34382	-5.7412
TMEM27	0.310439	-0.16738	1.231439	0.23329	0.348087	-5.74149
ZFP41	-0.26808	0.336818	-1.23998	0.22943	0.343952	-5.74154
CRB1	-0.45851	0.346573	-1.23963	0.229556	0.344115	-5.74195
C17orf28	0.303701	-0.08536	1.239552	0.229586	0.344133	-5.74205
PTK7	-0.16169	0.190354	-1.23942	0.229634	0.344165	-5.74221
TRIM63	-0.40949	-0.068	-1.2394	0.229642	0.344165	-5.74223
PTCD3	-0.32898	0.12137	-1.1963	0.246397	0.363876	-5.74261
FOXO1	0.333927	-0.04063	1.238985	0.229791	0.344341	-5.74272
YIF1B	-0.36422	0.214848	-1.23897	0.229795	0.344341	-5.74273
ZSCAN22	-0.23622	0.000837	-1.23885	0.229841	0.344383	-5.74288
NEU2	0.22243	-0.07185	1.230188	0.233747	0.34853	-5.74295
LOC28569:	-0.39113	0.525119	-1.23877	0.229869	0.344399	-5.74297
HLX	-0.598	0.878712	-1.23822	0.230068	0.344619	-5.74362
PLD3	0.244004	0.28235	1.238014	0.230144	0.344705	-5.74386
LGI1	-0.42024	-0.18476	-1.22921	0.234106	0.349012	-5.7441
HMGNA4	-0.33489	0.050936	-1.23778	0.230229	0.34478	-5.74414
INO80E	-0.17864	0.154933	-1.23767	0.230269	0.344796	-5.74427
GJB7	0.327154	-0.77179	1.237652	0.230275	0.344796	-5.74429
ALDH7A1	-0.18952	-0.07827	-1.23713	0.230464	0.345045	-5.74491
ACSM3	-0.22926	-0.01347	-1.23707	0.230485	0.345045	-5.74497
IL3	0.25653	-0.25092	1.228314	0.234434	0.349448	-5.74514
NT5C3	-0.36095	-0.14734	-1.23687	0.230557	0.345089	-5.74521
ATP4A	0.280735	-0.32941	1.175734	0.256032	0.374297	-5.74567
LOC72853:	0.329123	-0.12558	1.23623	0.230791	0.345385	-5.74596
VEGFB	-0.32726	0.663817	-1.23577	0.230957	0.34558	-5.7465
LOC10050:	-0.59125	0.488851	-1.22704	0.234902	0.349826	-5.74663
TRIM43	-0.5085	0.163416	-1.23565	0.231003	0.345597	-5.74665
RPL37A	0.412606	-0.19548	1.235647	0.231004	0.345597	-5.74665
SLC25A25	0.367328	-0.09259	1.235545	0.231041	0.345626	-5.74677
DDX58	-0.51623	0.535212	-1.23524	0.231152	0.34574	-5.74713
RASA4	0.327856	0.203639	1.235164	0.231179	0.345754	-5.74722

LMO7	-0.47548	0.216759	-1.23502	0.231231	0.345806	-5.74739
SPON1	0.604176	-0.43933	1.191588	0.248199	0.365751	-5.74798
WDR62	-0.19307	0.320453	-1.23437	0.231467	0.346085	-5.74815
SNX18	-0.25561	-0.08412	-1.23436	0.231471	0.346085	-5.74816
SULT1A4	-0.35287	0.142954	-1.23388	0.231646	0.346294	-5.74873
KDM3B	-0.2768	0.188022	-1.2338	0.231675	0.346311	-5.74882
MCPH1	0.4018	0.004816	1.233675	0.231722	0.346354	-5.74897
SIX4	0.210821	0.0452	1.2336	0.231749	0.34636	-5.74906
COL16A1	-0.3437	-0.02199	-1.23357	0.231761	0.34636	-5.7491
BCS1L	-0.19327	0.278567	-1.23349	0.231789	0.34636	-5.74919
MAGEB10	-0.37242	0.02843	-1.23333	0.231847	0.346382	-5.74937
PPIL1	-0.30914	0.185009	-1.23323	0.231884	0.346411	-5.74949
CCL4	0.536798	-0.28586	1.232758	0.232056	0.346616	-5.75005
C4orf45	0.368486	-0.55017	1.232592	0.232117	0.346681	-5.75024
P4HB	-0.35182	0.515086	-1.23226	0.232238	0.346835	-5.75063
LOC100129	0.358416	-0.23361	1.189151	0.249133	0.366618	-5.75075
UTP6	-0.32485	0.330288	-1.23213	0.232284	0.346851	-5.75078
SERPINA9	-0.14547	-0.02054	-1.23204	0.23232	0.346878	-5.75089
SIPA1L1	-0.24533	0.40913	-1.23164	0.232464	0.347066	-5.75135
ZNF829	0.415027	-0.55656	1.222727	0.236489	0.35187	-5.75166
CGRRF1	-0.50077	0.107637	-1.23079	0.232775	0.347451	-5.75235
LOC100506	-0.24205	-0.16393	-1.22189	0.236799	0.352276	-5.75263
GALR1	-0.44274	0.101042	-1.23048	0.232889	0.347595	-5.75272
NOP56	-0.26276	0.353771	-1.22976	0.233155	0.347938	-5.75357
IGSF22	0.386625	-0.264	1.229413	0.23328	0.348087	-5.75397
ZSCAN5A	-0.22543	0.221131	-1.22921	0.233354	0.348156	-5.7542
C1orf145	0.531116	-0.37741	1.229157	0.233374	0.34816	-5.75427
MRPL16	-0.20589	0.051367	-1.22905	0.233413	0.348191	-5.75439
STEAP1	0.192078	-0.06121	1.185841	0.250407	0.367912	-5.7545
CTPS	-0.33142	0.515788	-1.22886	0.233483	0.34827	-5.75462
ABHD12B	0.303612	0.005058	1.220064	0.237474	0.35312	-5.75475
LEPROTL1	0.369271	-0.72262	1.228638	0.233565	0.348365	-5.75488
PIGZ	0.216296	-0.08641	1.228499	0.233616	0.348389	-5.75504
LOC100285	0.539308	-0.14558	1.228497	0.233616	0.348389	-5.75504
DNAJB6	-0.27499	-0.0573	-1.22835	0.233671	0.348443	-5.75522
PRDM16	0.221349	-0.05751	1.227325	0.234047	0.348951	-5.75641
EIF2AK3	0.342211	0.098467	1.208139	0.242744	0.359674	-5.75676
CAPN11	0.512483	0.335892	1.183661	0.251248	0.368844	-5.75696
KLF11	0.165505	0.058358	1.226608	0.23431	0.349291	-5.75725
GTPBP10	-0.42776	0.010462	-1.2261	0.234497	0.349516	-5.75784
FAM49A	-0.37567	0.312132	-1.22605	0.234516	0.349518	-5.75791
PTPRCAP	0.397906	0.076024	1.225827	0.234598	0.349614	-5.75817
FNDC7	0.437643	0.319041	1.225521	0.234711	0.34969	-5.75852
FAM175A	-0.39487	0.001416	-1.2255	0.234719	0.34969	-5.75855
PCBP3	-0.37125	0.238373	-1.22544	0.234742	0.34969	-5.75862
PFN2	-0.41352	0.060548	-1.22538	0.234761	0.34969	-5.75868
AKNAD1	0.308809	-0.06953	1.225353	0.234773	0.34969	-5.75872

C7orf50	0.371119	0.008955	1.225348	0.234775	0.34969	-5.75873
SAGE1	0.269291	-0.20996	1.128904	0.27387	0.394227	-5.75876
BZW2	0.370961	-0.31706	1.225085	0.234871	0.349808	-5.75903
NUDCD2	-0.37515	0.123727	-1.21598	0.23899	0.354997	-5.75949
RNF44	-0.26687	0.248647	-1.22463	0.235039	0.350005	-5.75957
TTC38	-0.2742	0.365731	-1.2243	0.23516	0.350158	-5.75995
PLCXD3	0.303317	0.099755	1.215514	0.239163	0.355201	-5.76003
DDX60	-0.91202	0.49647	-1.22363	0.235407	0.350475	-5.76073
PSORS1C1	-0.1582	-0.09714	-1.22363	0.235409	0.350475	-5.76073
DUSP8	-0.22588	0.376263	-1.22339	0.235495	0.350577	-5.76101
MRPL54	0.306363	-0.38111	1.223221	0.235559	0.350645	-5.76121
LOC100136	0.193492	-0.0923	1.222991	0.235644	0.350745	-5.76148
CAD	-0.28837	0.521219	-1.22203	0.235998	0.351245	-5.76259
COL4A3	0.145743	-0.05608	1.21289	0.240142	0.356438	-5.76307
TSLP	-0.42568	0.085487	-1.21267	0.240226	0.356509	-5.76333
TIMM8B	-0.59686	-0.32872	-1.22121	0.236304	0.351674	-5.76356
C6orf146	-0.34555	0.054182	-1.22091	0.236413	0.351809	-5.7639
LOC100285	0.258546	-0.21083	1.220789	0.236459	0.351851	-5.76404
BCL2L12	0.253796	-0.1228	1.220622	0.236521	0.351889	-5.76424
LSM4	0.259074	-0.13579	1.21973	0.236851	0.352328	-5.76528
PTPLB	0.249228	-0.46073	1.219003	0.237121	0.352702	-5.76612
PLCD1	0.206615	-0.18805	1.218669	0.237245	0.35286	-5.76651
OGDHL	-0.22872	0.175686	-1.20985	0.24128	0.357938	-5.76658
CAMK1G	0.311203	-0.09718	1.218468	0.23732	0.352944	-5.76674
GPR171	0.512707	-0.5986	1.218249	0.237401	0.353039	-5.767
KLRG2	0.407453	-0.21463	1.217807	0.237565	0.353229	-5.76751
INO80D	0.149376	-0.18581	1.217351	0.237735	0.353455	-5.76804
DYNC2H1	0.240073	-0.36231	1.077597	0.299606	0.422427	-5.76859
SEC16A	-0.29842	0.178627	-1.21671	0.237975	0.353731	-5.76879
UPF3B	0.330886	-0.15598	1.172366	0.255643	0.373951	-5.76967
RASSF9	0.203679	0.014756	1.215916	0.238269	0.354136	-5.76971
CDCA7L	-0.42109	0.215035	-1.21588	0.238284	0.354136	-5.76975
MYO9A	0.261067	-0.41485	1.215803	0.238311	0.35415	-5.76984
ACTN3	0.220033	-0.32448	1.215722	0.238342	0.354168	-5.76993
CIZ1	0.268376	0.239071	1.215129	0.238563	0.35447	-5.77062
HNMT	0.40469	-0.45612	1.195994	0.247332	0.364872	-5.77067
IFIT1	1.394552	-0.61292	1.214792	0.238688	0.354603	-5.77101
SPAG1	0.209976	-0.03146	1.213933	0.239009	0.354999	-5.77201
ISL1	0.137933	-0.03065	1.194204	0.248014	0.36552	-5.77271
HK2	-0.72641	0.698623	-1.21311	0.239316	0.355401	-5.77296
FBXL3	-0.40302	-0.28609	-1.21301	0.239354	0.35543	-5.77308
TAS2R41	0.354445	-0.36528	1.124834	0.278495	0.39927	-5.7732
C2orf43	-0.35652	0.333801	-1.21166	0.23986	0.356155	-5.77464
LRRC8E	-0.36419	-0.34141	-1.21152	0.239912	0.356205	-5.7748
DYRK2	0.426934	-0.11544	1.211398	0.239957	0.356241	-5.77494
CAMP	0.835453	0.188628	1.211356	0.239973	0.356241	-5.77499
LRFN5	-0.28127	0.07208	-1.2021	0.244197	0.361389	-5.77549

FZD10	-0.29309	-0.0128	-1.1917	0.248969	0.366431	-5.77555
TRMT61B	-0.60364	0.371907	-1.16696	0.257765	0.376353	-5.77571
COCH	-0.47535	0.209	-1.21013	0.240434	0.35679	-5.77641
ARF6	-0.36638	0.191181	-1.20993	0.240506	0.356871	-5.77664
SPTBN1	-0.4797	0.700339	-1.20965	0.240614	0.357003	-5.77697
DEFB123	-0.22739	-0.01144	-1.1897	0.249737	0.367204	-5.77783
STK31	-0.10778	0.021557	-1.20737	0.241468	0.358189	-5.77959
TLX3	0.279204	-0.11793	1.198297	0.245639	0.363003	-5.77985
SLC8A1	-0.51319	0.30959	-1.20712	0.241563	0.358296	-5.77988
PRSS47	0.221415	-0.30392	1.207085	0.241577	0.358296	-5.77992
MTMR4	-0.2304	-0.23261	-1.20649	0.241799	0.358599	-5.78061
RLN3	0.195939	-0.26404	1.206414	0.241829	0.358617	-5.7807
CYP2U1	0.279783	-0.18394	1.206223	0.241901	0.358697	-5.78092
HCFC1R1	-0.22981	0.100626	-1.20536	0.242225	0.359122	-5.78191
ANKHD1-E	0.139924	0.024397	1.20531	0.242246	0.359126	-5.78197
CFHR4	-0.24698	-0.15616	-1.20512	0.242319	0.359207	-5.78219
ZNF716	-0.2528	-0.21996	-1.20471	0.242472	0.3594	-5.78266
ACCS	0.467972	-0.1444	1.204673	0.242486	0.3594	-5.7827
RTDR1	0.512393	-0.10636	1.204622	0.242506	0.359402	-5.78276
CD38	-0.41982	0.914177	-1.20448	0.242557	0.359451	-5.78292
C19orf69	-0.3918	0.336054	-1.19529	0.246785	0.36435	-5.78329
ELMOD1	-0.42845	0.22202	-1.20414	0.242688	0.359618	-5.78332
MRPL3	-0.4592	0.074426	-1.19493	0.246921	0.364458	-5.7837
DLX3	0.180864	-0.18787	1.20356	0.242907	0.359888	-5.78398
LOC100128	-0.17346	0.052198	-1.2031	0.243081	0.360119	-5.78451
PPP5C	-0.3629	0.621059	-1.20284	0.243178	0.360215	-5.78481
KCNC1	-0.46964	0.323839	-1.2028	0.243193	0.360215	-5.78486
TGIF2	0.318214	0.001998	1.202782	0.243201	0.360215	-5.78488
GLDN	-0.57419	0.126173	-1.19376	0.247369	0.364898	-5.78504
SPCS1	-0.14243	-0.1229	-1.2026	0.243269	0.360289	-5.78509
MPP5	-0.17587	-0.1514	-1.2024	0.243347	0.360377	-5.78532
TMEM66	-0.40543	0.042404	-1.20225	0.243402	0.360409	-5.78549
UBE2D2	-0.15117	0.027708	-1.20212	0.24345	0.360447	-5.78563
L3MBTL2	-0.25175	0.538984	-1.2016	0.243647	0.360691	-5.78623
DDX26B	-0.44749	0.243661	-1.1924	0.247888	0.365389	-5.78658
SPR	0.364336	0.20499	1.20095	0.243895	0.360997	-5.78698
DNAJB12	-0.18965	0.215008	-1.20044	0.244088	0.361255	-5.78757
HSD17B3	0.100099	-0.02879	1.191487	0.248237	0.365753	-5.78762
LOC64732	0.537728	0.215699	1.19145	0.248251	0.365753	-5.78767
PSMC3IP	-0.59066	0.676749	-1.19995	0.244273	0.361475	-5.78813
TNRC18	-0.61875	0.355242	-1.19939	0.244488	0.361766	-5.78878
TYSND1	0.228847	0.126878	1.199297	0.244523	0.361767	-5.78888
ZBTB2	-0.24148	0.135471	-1.19911	0.244595	0.361842	-5.7891
ARL14	0.486459	-0.21032	1.154913	0.262546	0.381888	-5.7891
CCDC134	0.16347	-0.01237	1.198333	0.244889	0.362187	-5.78999
CXorf58	0.15181	-0.03196	1.189404	0.249036	0.366502	-5.79
MBIP	-0.38556	0.037319	-1.19825	0.244919	0.362187	-5.79008

CCDC51	-0.17998	0.148605	-1.19825	0.244919	0.362187	-5.79008
FAM198A	-0.35296	0.093493	-1.19825	0.24492	0.362187	-5.79008
EPS8L1	0.216478	0.099617	1.198249	0.244921	0.362187	-5.79008
LOC100501	-0.5029	0.386263	-1.19789	0.245059	0.362336	-5.7905
STARD6	-0.20289	0.057572	-1.1888	0.249268	0.366788	-5.79068
AURKC	-0.25498	0.083923	-1.19751	0.245203	0.362523	-5.79093
PITRM1	-0.26228	0.160974	-1.19729	0.245286	0.362618	-5.79118
KDM3A	-0.30238	0.040907	-1.19697	0.245407	0.362742	-5.79154
WDR26	-0.28259	-0.02952	-1.19697	0.245407	0.362742	-5.79154
BTF3	0.206772	0.030624	1.196918	0.245428	0.362745	-5.79161
APH1A	-0.39602	0.309513	-1.19685	0.245452	0.362754	-5.79168
RDX	-0.37506	-0.03461	-1.18768	0.2497	0.367204	-5.79196
TAS2R20	-0.11993	0.060177	-1.18762	0.249723	0.367204	-5.79203
TTYH1	0.163207	-0.0563	1.19626	0.245679	0.363034	-5.79236
ZNF577	0.314903	-0.17959	1.195237	0.246069	0.363509	-5.79353
RELA	0.19534	0.045209	1.195229	0.246072	0.363509	-5.79354
ST6GALNA	-0.37521	0.086551	-1.19522	0.246075	0.363509	-5.79355
MAP7	-0.3616	0.092401	-1.19508	0.246129	0.363562	-5.79371
CYFIP1	0.340897	0.069037	1.132077	0.273442	0.393784	-5.79377
C10orf111	0.322184	-0.25861	1.175479	0.255232	0.373489	-5.79389
PURB	-0.26172	0.213506	-1.19482	0.246227	0.36368	-5.794
SLC30A3	-0.21689	-0.08266	-1.19455	0.246332	0.363807	-5.79432
CHST3	0.452878	-0.10073	1.185105	0.250691	0.368136	-5.79488
TFPI	0.48237	0.300265	1.193865	0.246593	0.364138	-5.7951
CAMK1D	0.399384	0.117267	1.193671	0.246667	0.36422	-5.79532
ZNF642	-0.44222	0.285459	-1.19334	0.246793	0.36435	-5.79569
PTPRO	-0.27732	0.082172	-1.19312	0.246878	0.364449	-5.79595
KRTCAP3	-0.36757	0.443778	-1.19304	0.246911	0.364458	-5.79605
PASD1	0.482414	-0.22298	1.183833	0.251182	0.368802	-5.79632
CSPP1	-0.32371	0.36323	-1.1928	0.247002	0.36453	-5.79632
ZP4	-0.30911	0.00988	-1.19278	0.247008	0.36453	-5.79634
TMEM223	0.393369	-0.1228	1.192631	0.247065	0.364588	-5.79651
FAM173A	0.220529	-0.0065	1.192428	0.247143	0.364675	-5.79674
POLD2	-0.29168	0.577122	-1.19232	0.247186	0.364712	-5.79687
CCDC141	0.314524	-0.55934	1.192149	0.24725	0.364778	-5.79706
CMTM6	-0.314	-0.13177	-1.19175	0.247405	0.364924	-5.79752
FAM136A	-0.23677	0.092955	-1.1915	0.247497	0.365027	-5.79779
PFKL	-0.29976	0.407144	-1.19147	0.247512	0.365027	-5.79784
LOC100506	0.156137	-0.0814	1.191334	0.247562	0.365074	-5.79799
SYCN	0.235971	-0.19897	1.191114	0.247647	0.365116	-5.79824
RGS20	-0.18242	-0.26905	-1.18209	0.251858	0.369655	-5.79829
LOC253039	0.341731	-0.68116	1.190973	0.247701	0.365167	-5.7984
VARS	0.277488	0.126889	1.190926	0.247719	0.365167	-5.79845
EID2B	-0.43401	0.232925	-1.1904	0.247922	0.365411	-5.79905
PCDHB2	-0.08748	0.017497	-1.18965	0.248208	0.365751	-5.7999
RNASE7	0.184604	-0.15126	1.189419	0.248298	0.365773	-5.80017
FAM115A	0.121127	-0.02692	1.169707	0.257488	0.376004	-5.80036

SLC25A1	0.244719	0.063214	1.189092	0.248423	0.36593	-5.80054
HSPB6	0.191944	-0.14369	1.188967	0.248472	0.365967	-5.80068
ANKRD17	-0.26535	0.308915	-1.18893	0.248485	0.365967	-5.80072
LCOR	0.324114	-0.23771	1.098958	0.289267	0.411373	-5.80072
DKFZP434I	0.184228	-0.07776	1.179844	0.252727	0.370598	-5.80083
GRAMD4	-0.31123	0.21192	-1.18859	0.248616	0.366132	-5.80111
ZDHHC22	0.191488	-0.1758	1.188422	0.248681	0.366175	-5.8013
METRNL	0.216869	0.006043	1.188379	0.248698	0.366175	-5.80135
DDAH1	0.271703	-0.10284	1.188326	0.248718	0.366175	-5.80141
ST7L	-0.24353	0.06432	-1.18832	0.24872	0.366175	-5.80142
LOC72832	-0.26744	0.147981	-1.18784	0.248907	0.366423	-5.80197
LRRC8A	0.254524	0.519688	1.187775	0.24893	0.366429	-5.80204
PCDH19	0.324936	-0.05774	1.177712	0.253556	0.371591	-5.80323
LOC100506	-0.4197	0.298524	-1.18651	0.249419	0.366983	-5.80348
HSPA6	-0.36789	0.673603	-1.18645	0.24944	0.366987	-5.80354
ATP6AP1L	0.360249	0.008872	1.186348	0.24948	0.367003	-5.80366
C1orf51	-0.1667	0.036252	-1.18633	0.249489	0.367003	-5.80369
PTH2R	0.340206	0.060832	1.186033	0.249602	0.367142	-5.80402
PRSS42	0.369533	-0.23653	1.185985	0.24962	0.367142	-5.80407
PALB2	-0.28322	0.084179	-1.18579	0.249696	0.367204	-5.8043
TMEM237	-0.3463	0.027016	-1.18528	0.249893	0.367389	-5.80488
RPL29	0.352446	-0.14801	1.185258	0.249901	0.367389	-5.8049
P4HA3	-0.23047	0.119009	-1.18516	0.24994	0.367419	-5.80501
CEP76	-0.26712	0.0698	-1.18506	0.249979	0.367448	-5.80513
FIGNL1	-0.3786	0.183516	-1.18469	0.250121	0.367603	-5.80555
SPRYD5	-0.20381	0.022102	-1.18469	0.250122	0.367603	-5.80555
EMX2	0.294024	-0.24565	1.10871	0.28408	0.405439	-5.80592
RPS21	0.398172	-0.38859	1.184247	0.250292	0.367826	-5.80605
EFHC1	-0.31711	0.463926	-1.18406	0.250364	0.367904	-5.80626
DFFA	-0.32369	0.63718	-1.18397	0.250401	0.367912	-5.80637
ORC2	-0.19451	0.172112	-1.18378	0.250472	0.367945	-5.80657
POLR2C	-0.21026	0.206969	-1.18377	0.250478	0.367945	-5.80659
MBD3L1	-0.21146	-0.14855	-1.18375	0.250486	0.367945	-5.80661
ZNF284	0.397933	-0.12603	1.183685	0.250509	0.367952	-5.80668
NLRP1	0.27191	-0.01259	1.183607	0.25054	0.367969	-5.80677
NAA40	-0.27449	0.54054	-1.18349	0.250585	0.368008	-5.80691
NADKD1	0.393472	0.076603	1.163699	0.259853	0.378808	-5.80707
EIF1	0.350618	-0.25697	1.182547	0.25095	0.368489	-5.80797
HLA-DPA1	0.880453	-0.5088	1.181828	0.251229	0.368843	-5.80879
LOC100507	-0.39275	0.071441	-1.17176	0.255881	0.374132	-5.80993
LRR1	-0.28649	0.158287	-1.18075	0.251647	0.369401	-5.81001
COMTD1	0.188735	0.006334	1.180464	0.251758	0.369537	-5.81033
FTL	0.320612	-0.12366	1.180096	0.251901	0.369692	-5.81075
CAMKV	-0.28669	0.061764	-1.17101	0.256176	0.374471	-5.81077
C18orf15	-0.3132	-0.01122	-1.17997	0.251951	0.369736	-5.81089
ZNF10	-0.36605	0.322051	-1.17987	0.25199	0.369754	-5.81101
C7orf46	-0.2232	0.040944	-1.17984	0.252	0.369754	-5.81104

CTNNA3	0.328176	0.075545	1.179706	0.252052	0.369803	-5.81119
DHX8	-0.17675	0.196121	-1.17934	0.252197	0.369987	-5.81161
C5orf39	-0.30882	0.208463	-1.17865	0.252465	0.370352	-5.81239
C12orf65	0.22593	0.030493	1.178344	0.252583	0.370497	-5.81273
CFB	0.447279	0.035077	1.158594	0.261875	0.381019	-5.81274
MBOAT7	-0.39448	0.475472	-1.17807	0.252689	0.370598	-5.81304
AKR1C3	0.506089	-0.68101	1.178033	0.252704	0.370598	-5.81308
SH3BP1	-0.24198	0.357087	-1.17799	0.25272	0.370598	-5.81313
SLC13A3	0.423185	-0.15198	1.177387	0.252955	0.370877	-5.81381
FAM21C	-0.605	0.659908	-1.17675	0.253205	0.371216	-5.81453
PIP5K1P1	0.328612	-0.11535	1.112666	0.281461	0.402374	-5.81466
PDE4A	-0.43066	0.709419	-1.17632	0.253372	0.371416	-5.81502
C14orf33	-0.36989	0.083998	-1.17628	0.253386	0.371416	-5.81506
RPAP3	-0.31731	0.257499	-1.17625	0.253399	0.371416	-5.81509
SPCS2	-0.18955	0.005458	-1.17599	0.253498	0.371535	-5.81538
C6orf204	-0.39676	-0.40162	-1.1756	0.253651	0.371703	-5.81582
FAM86FP	0.319951	-0.03054	1.175339	0.253755	0.371827	-5.81612
EXOSC2	-0.43217	0.291572	-1.1749	0.253926	0.37205	-5.81661
PRDM1	0.37014	0.069272	1.174634	0.25403	0.372161	-5.81691
TRMT2B	-0.1471	0.017829	-1.17461	0.25404	0.372161	-5.81694
GXYLT1	0.111304	-0.03376	1.120757	0.277232	0.397809	-5.81696
KIF24	0.382653	-0.64108	1.154676	0.263435	0.382862	-5.81708
PITX2	-0.33653	-0.09025	-1.16536	0.258398	0.37708	-5.8171
PWWP2B	-0.22254	0.393832	-1.17437	0.254135	0.372273	-5.81722
ZNF280B	0.16836	-0.17689	1.17424	0.254184	0.372317	-5.81736
CD200	-0.38017	0.341535	-1.17413	0.254229	0.372355	-5.81749
LRP1B	-0.29406	-0.13653	-1.16498	0.258549	0.377232	-5.81752
ZNF676	-0.38953	-0.0755	-1.17391	0.254313	0.372449	-5.81773
LOC10013:	-0.28375	0.091792	-1.17383	0.254344	0.372467	-5.81782
FOXP2	-0.516	0.178324	-1.17334	0.254538	0.372724	-5.81838
UBAC2	-0.16756	-0.00636	-1.17318	0.254601	0.372788	-5.81855
LOC10013:	0.39349	-0.28095	1.172664	0.254801	0.373054	-5.81913
WASF2	-0.33138	0.821621	-1.17254	0.254851	0.373099	-5.81927
OBSCN	-0.27142	0.233134	-1.172	0.255063	0.373381	-5.81988
ROR1	0.529631	-0.00102	1.17189	0.255105	0.373414	-5.82
TRERF1	0.260735	-0.05065	1.1718	0.25514	0.373438	-5.8201
CES5A	-0.41855	0.141745	-1.17167	0.25519	0.373479	-5.82025
CCT6A	0.263271	-0.23584	1.171632	0.255206	0.373479	-5.82029
BHLHE40	-0.38409	0.130804	-1.17141	0.255293	0.373531	-5.82054
CHRNA4	-0.39041	0.17351	-1.1714	0.255299	0.373531	-5.82056
GRASP	0.30746	0.016851	1.171203	0.255374	0.373614	-5.82077
BRK1	-0.13274	-0.06667	-1.17051	0.255645	0.373951	-5.82155
BRD4	-0.31988	0.645833	-1.17047	0.255662	0.373951	-5.8216
AMDHD2	-0.26743	0.316666	-1.17026	0.255746	0.374046	-5.82184
RBM26	-0.34797	0.119306	-1.17013	0.255795	0.374064	-5.82198
LAYN	-0.3835	0.410562	-1.17013	0.255797	0.374064	-5.82198
ABTB1	-0.34895	0.376373	-1.16994	0.25587	0.374132	-5.82219

LINC00087	0.295283	-0.18716	1.169654	0.255983	0.374253	-5.82251
DEF6	-0.20448	0.351287	-1.16913	0.25619	0.374471	-5.8231
UNQ6494	-0.24669	-0.0228	-1.14887	0.265761	0.385413	-5.8235
LINC00305	0.41825	-0.0455	1.122777	0.275619	0.396162	-5.82422
ENTPD5	0.214924	-0.02217	1.16809	0.256599	0.375013	-5.82427
ARPM1	-0.1302	0.083037	-1.16783	0.256701	0.375134	-5.82456
LINC00474	-0.2346	0.031098	-1.16755	0.256811	0.37523	-5.82487
KLHDC2	-0.22442	-0.24594	-1.16752	0.256824	0.37523	-5.82491
GLRA2	-0.21804	0.050557	-1.15817	0.261247	0.380445	-5.8251
UBAP1	-0.27788	0.174548	-1.16732	0.256901	0.375298	-5.82513
SLC29A2	-0.17013	-0.00262	-1.1673	0.256909	0.375298	-5.82515
TSEN2	-0.30677	0.261563	-1.16661	0.257182	0.375668	-5.82592
AEN	-0.42752	0.314684	-1.1663	0.257303	0.375794	-5.82627
LCE2A	0.190462	-0.45952	1.166294	0.257307	0.375794	-5.82628
WFS1	0.279448	0.268197	1.16625	0.257325	0.375794	-5.82633
ICA1L	-0.23698	0.03344	-1.16539	0.257666	0.376236	-5.8273
KCTD14	-0.82407	1.003234	-1.11093	0.281329	0.402303	-5.8275
RAG1	-0.3526	0.329654	-1.156	0.262113	0.381309	-5.82752
TAAR8	-0.36559	-0.00584	-1.16457	0.25799	0.376652	-5.82821
MBNL1	-0.32756	0.411653	-1.16428	0.258103	0.376749	-5.82853
BRAF	0.169641	-0.07191	1.164258	0.258112	0.376749	-5.82856
RAD9B	-0.20202	-0.00699	-1.16425	0.258114	0.376749	-5.82856
ZNF16	-0.27227	0.357222	-1.16418	0.258142	0.376763	-5.82864
ELF3	-0.30968	0.279789	-1.16411	0.258171	0.376777	-5.82872
LOC100125	-0.37326	0.10907	-1.15483	0.26258	0.381899	-5.82881
TSPAN17	-0.24915	0.260297	-1.15479	0.262597	0.381899	-5.82886
WNT5A	0.089334	-0.01985	1.14386	0.267778	0.387736	-5.82901
LOC285548	-0.34312	0.069417	-1.16328	0.258498	0.377198	-5.82965
PPFIA3	0.211138	0.090249	1.163127	0.25856	0.377232	-5.82982
LOC100133	-0.15179	0.001132	-1.10855	0.282326	0.403375	-5.83004
LRRCC1	0.124047	-0.0169	1.153467	0.263124	0.382495	-5.83032
GAST	0.229508	-0.23744	1.153162	0.263246	0.382644	-5.83066
CD74	-0.40333	0.7171	-1.16227	0.258901	0.377701	-5.83078
MXD1	-0.40018	0.229683	-1.16207	0.258977	0.377784	-5.831
NP1P	-0.33354	0.557921	-1.16188	0.259052	0.37786	-5.83121
FASLG	0.539012	0.040937	1.161847	0.259067	0.37786	-5.83125
C8orf48	-0.09835	0.01967	-1.16149	0.25921	0.378039	-5.83165
ZNF536	-0.3499	-0.14936	-1.15174	0.263816	0.383274	-5.83223
RAB33A	-0.2595	0.028013	-1.16055	0.259584	0.378539	-5.8327
CHI3L2	-0.56739	0.714559	-1.16053	0.259591	0.378539	-5.83272
SPATA4	0.264333	-0.36327	1.160179	0.25973	0.378661	-5.83311
NDUFAF2	-0.36048	0.28301	-1.16017	0.259733	0.378661	-5.83312
BTN3A2	-0.33294	0.518645	-1.1598	0.259882	0.378823	-5.83354
CAPN12	-0.32978	0.17056	-1.15957	0.259971	0.378924	-5.83378
MAP4K4	-0.36769	0.550579	-1.15933	0.260068	0.379036	-5.83405
MGC39372	-0.38051	0.44065	-1.15918	0.260127	0.379095	-5.83422
PTPN23	-0.19994	0.544498	-1.15908	0.260166	0.379124	-5.83433

RGS17	0.565819	-0.64786	1.094105	0.28929	0.411376	-5.83434
TECTB	-0.30339	-0.36353	-1.0816	0.295599	0.418197	-5.83445
RAB3C	0.2015	0.021098	1.149683	0.264641	0.384128	-5.8345
ZDHHC2	-0.38245	-0.20018	-1.15831	0.260475	0.379523	-5.83519
CD101	0.413108	0.332265	1.158275	0.260488	0.379523	-5.83523
NANOS1	-0.45221	0.18712	-1.15825	0.260498	0.379523	-5.83526
DBN1	-0.28978	0.672558	-1.15814	0.260543	0.37956	-5.83538
MCF2L	0.330608	-0.19852	1.157587	0.260762	0.379851	-5.83599
CCNO	-0.35805	-0.24402	-1.14833	0.265185	0.384778	-5.836
CEP57L1	-0.24862	0.063572	-1.13723	0.270468	0.390505	-5.83627
EIF4E2	-0.14285	0.068155	-1.1569	0.261037	0.380223	-5.83676
PPP1R14A	-0.40855	0.791125	-1.15669	0.26112	0.380315	-5.83699
ANKRD39	-0.21607	0.099895	-1.15664	0.261139	0.380315	-5.83705
XKR3	0.408817	-0.08567	1.156254	0.261294	0.380484	-5.83748
RXFP1	-0.16422	0.011927	-1.15604	0.261379	0.38058	-5.83771
TRANK1	0.436333	0.254269	1.155951	0.261415	0.380604	-5.83781
GNPDA2	-0.37571	-0.37285	-1.03486	0.316254	0.440809	-5.838
C16orf61	-0.27573	-0.23727	-1.15573	0.261504	0.380704	-5.83806
TAX1BP1	-0.37392	-0.53307	-1.15549	0.2616	0.380793	-5.83833
AKR1B10	-0.41489	0.031458	-1.15544	0.261621	0.380793	-5.83839
FUBP1	0.384504	0.012449	1.155431	0.261623	0.380793	-5.83839
ZNF3	-0.17875	0.067933	-1.15528	0.261683	0.380853	-5.83856
CNTN4	0.097152	-0.01943	1.155133	0.261742	0.38091	-5.83872
MT2A	0.902591	-0.09404	1.155006	0.261793	0.380956	-5.83886
LOC10050!	0.318927	-0.20545	1.154533	0.261982	0.381146	-5.83939
CDK20	0.312182	-0.00018	1.153114	0.26255	0.381888	-5.84096
CETN4P	0.23756	0.060824	1.132425	0.272426	0.392697	-5.8415
TRPA1	0.293212	0.011541	1.15251	0.262792	0.382155	-5.84163
TLE4	-0.32109	0.721889	-1.15245	0.262818	0.382164	-5.8417
VPS13A	0.336708	-0.42429	1.152342	0.26286	0.382192	-5.84182
LOC10050!	-0.22483	0.12352	-1.15194	0.263023	0.382376	-5.84227
TMEM164	0.334544	-0.23031	1.150999	0.263399	0.382838	-5.8433
ACOX3	-0.62362	0.520237	-1.15073	0.263506	0.382937	-5.8436
JAG1	-0.58148	0.356652	-1.15064	0.263542	0.38296	-5.8437
RPUSD1	-0.21124	0.150218	-1.15053	0.263588	0.383	-5.84383
CDH12	0.295679	-0.19005	1.150259	0.263696	0.383128	-5.84412
KRT33A	0.162057	-0.29949	1.149886	0.263846	0.383289	-5.84453
C6orf72	-0.16328	-0.10732	-1.14976	0.263898	0.383335	-5.84468
ACVR1C	0.096048	-0.01921	1.149152	0.264142	0.383661	-5.84535
OR7A17	0.256827	-0.26521	1.148852	0.264263	0.383807	-5.84568
C9orf123	-0.55507	0.26426	-1.14881	0.264281	0.383807	-5.84573
LCMT2	-0.2615	0.223387	-1.14865	0.264344	0.38387	-5.8459
DNAJC11	-0.30399	0.485549	-1.14858	0.264371	0.38388	-5.84597
TBPL1	-0.1964	0.019252	-1.14845	0.264425	0.383931	-5.84612
RUFY3	-0.28113	0.427321	-1.14832	0.264475	0.383951	-5.84626
EGFR	0.273248	0.084887	1.148317	0.264478	0.383951	-5.84627
GALNT8	0.231956	-0.10896	1.138862	0.269016	0.38904	-5.8464

LINC00319	0.227735	-0.09089	1.093003	0.288913	0.41107	-5.84651
TLE3	-0.41665	0.538532	-1.14789	0.26465	0.384128	-5.84674
DLX5	0.147467	-0.09033	1.147869	0.264659	0.384128	-5.84676
LRFN4	0.270072	-0.05085	1.147723	0.264718	0.384185	-5.84693
EHD3	0.3762	0.192727	1.147581	0.264775	0.384239	-5.84708
DPY19L2P4	-0.43715	-0.29446	-0.92576	0.374676	0.499993	-5.84754
CD109	0.318488	-0.20442	1.137594	0.269533	0.389638	-5.84779
POU4F1	-0.20772	0.047093	-1.14642	0.265243	0.384833	-5.84836
AMOT	-0.09546	0.019093	-1.14594	0.265437	0.385087	-5.84889
PTTG1	-0.39659	0.289467	-1.14584	0.265479	0.385104	-5.84901
IL20RA	0.155879	-0.07359	1.145814	0.265488	0.385104	-5.84903
CMTM2	-0.54248	0.188593	-1.14541	0.265652	0.385313	-5.84948
STX6	-0.22077	0.090834	-1.14534	0.265679	0.385323	-5.84955
NAG20	-0.22319	0.121712	-1.13581	0.270261	0.390265	-5.84974
C8orf71	0.222425	-0.2614	1.095893	0.289483	0.411577	-5.84978
ZNF317	0.165177	-0.08479	1.145	0.265817	0.385467	-5.84993
DAK	-0.21823	0.480675	-1.14474	0.265922	0.385589	-5.85021
NHEJ1	0.317154	0.180794	1.144088	0.266187	0.385935	-5.85093
FGFR2	0.23548	-0.14487	1.144055	0.2662	0.385935	-5.85097
LOC100125	0.30859	-0.17322	1.143735	0.266329	0.386049	-5.85132
OAF	-0.37979	0.860212	-1.14373	0.266333	0.386049	-5.85133
PARP15	-0.3812	0.39637	-1.14372	0.266337	0.386049	-5.85134
SLC6A11	-0.38328	0.108649	-1.14332	0.266497	0.386252	-5.85178
MALAT1	0.298793	-0.62895	1.142996	0.266629	0.386415	-5.85213
AZU1	0.945164	-0.21387	1.142882	0.266675	0.386453	-5.85226
HLA-DQB2	0.668819	0.096286	1.142817	0.266702	0.386463	-5.85233
SPOCD1	-0.61059	0.203333	-1.12176	0.276815	0.397385	-5.85306
LOC100289	0.270734	-0.04612	1.142024	0.267023	0.3869	-5.8532
MS4A7	0.493226	0.07336	1.141911	0.267069	0.386938	-5.85333
KHK	0.275334	0.151047	1.141831	0.267102	0.386941	-5.85342
MRPL49	-0.37258	0.477355	-1.14181	0.26711	0.386941	-5.85344
KIF18A	-0.48773	-0.13661	-0.93444	0.366067	0.491685	-5.85371
TRPV2	0.151507	-0.13605	1.141513	0.267231	0.387061	-5.85376
DNAJC18	-0.15223	0.004606	-1.14151	0.267233	0.387061	-5.85377
KIAA1656	-0.19851	0.103128	-1.13201	0.271813	0.391985	-5.85388
ERAP2	0.549209	0.228375	1.141401	0.267276	0.387095	-5.85389
RPS4Y2	-0.78979	-0.05103	-1.00615	0.330441	0.455097	-5.85446
STXBP1	-0.35352	0.379454	-1.14086	0.267497	0.387386	-5.85448
KIAA1919	-0.18627	0.230021	-1.14081	0.267518	0.387388	-5.85454
TEX14	0.511604	0.104272	1.131246	0.272128	0.392379	-5.85472
CFTR	-0.19544	0.117132	-1.14006	0.267822	0.387771	-5.85536
TLR6	-0.39232	0.157298	-1.14	0.267845	0.387775	-5.85542
TMEM203	-0.17612	0.045549	-1.13974	0.267952	0.387902	-5.85571
FEN1	-0.41058	0.401649	-1.13961	0.268005	0.38795	-5.85586
FAM40B	0.293052	0.031933	1.139443	0.268072	0.388018	-5.85604
TUBB8	0.650741	-0.18702	1.139381	0.268097	0.388026	-5.8561
PAOX	0.362086	-0.03952	1.13854	0.26844	0.388494	-5.85703

TUFM	0.150703	-0.10731	1.13841	0.268493	0.388541	-5.85717
LOC100127	-0.26508	-0.17419	-1.13831	0.268532	0.388569	-5.85727
MUC15	0.40271	-0.71785	1.091704	0.28871	0.410879	-5.85735
SAMD15	-0.11406	-0.00329	-1.13794	0.268687	0.388751	-5.85769
CYP7A1	-0.17526	0.082456	-1.13791	0.268697	0.388751	-5.85772
PPP1R37	-0.19096	0.253009	-1.13782	0.268735	0.388777	-5.85782
ZCCHC14	0.292175	-0.06116	1.137582	0.26883	0.388866	-5.85808
TFB1M	-0.25295	0.267606	-1.13755	0.268844	0.388866	-5.85811
PHF21A	-0.39305	0.688634	-1.13752	0.268856	0.388866	-5.85814
LOC100133	-0.21275	0.258693	-1.13735	0.268925	0.388937	-5.85833
GSTO2	0.462952	0.13745	1.136757	0.269167	0.389229	-5.85898
TREML1	-0.45591	0.731517	-1.13621	0.269392	0.389517	-5.85958
ABLIM2	0.243545	-0.3752	1.136174	0.269405	0.389517	-5.85962
TAOK2	-0.12423	0.312266	-1.13597	0.269487	0.389605	-5.85984
MED30	-0.49398	0.237109	-1.08021	0.294417	0.416972	-5.85992
ASCL1	-0.12913	0.009455	-1.13582	0.269549	0.389638	-5.86
TMEM184	0.154369	-0.37437	1.135635	0.269626	0.38972	-5.86021
PACS1	-0.35273	0.530401	-1.13547	0.269693	0.389789	-5.86039
LBR	-0.40052	-0.40317	-1.13541	0.269717	0.389795	-5.86045
TYW3	-0.23153	0.198592	-1.13529	0.269766	0.389837	-5.86058
C17orf77	0.230455	-0.09748	1.135027	0.269874	0.389964	-5.86087
TGIF2LY	-0.23639	0.094047	-1.13482	0.269957	0.390055	-5.86109
KIAA0141	-0.18261	0.258843	-1.13474	0.26999	0.390074	-5.86118
HR44	0.200151	-0.0639	1.134577	0.270058	0.390144	-5.86137
TTC23	-0.20654	0.291536	-1.13445	0.270111	0.390179	-5.86151
CNTNAP5	-0.09341	0.018682	-1.13438	0.270138	0.390179	-5.86158
TRMT112	0.244541	-0.11784	1.134371	0.270143	0.390179	-5.86159
SH2D4A	-0.29475	0.116908	-1.13432	0.270164	0.390182	-5.86165
GCNT4	0.274868	-0.26741	0.941285	0.365329	0.491099	-5.86201
ATXN7L2	0.175264	0.075187	1.133958	0.270312	0.390309	-5.86204
CDH18	0.430907	-0.74026	0.964398	0.352625	0.478685	-5.86259
PLCL1	-0.57415	0.396023	-1.13344	0.270522	0.390555	-5.8626
KCNMB1	-0.2946	0.387944	-1.13309	0.270667	0.390735	-5.86299
KRTAP3-3	-0.22116	-0.24258	-1.07694	0.295835	0.418466	-5.86332
WWC1	-0.37126	0.300749	-1.13258	0.270875	0.390976	-5.86354
RPS2P32	-0.22485	0.080829	-1.13257	0.270883	0.390976	-5.86356
C3orf15	-0.29067	-0.01569	-1.13254	0.270894	0.390976	-5.86359
GPR82	0.154676	-0.1644	1.123061	0.275501	0.396125	-5.8636
LOC100506	0.385572	-0.40847	1.123013	0.275521	0.396125	-5.86366
TAS2R5	0.131554	-0.30541	1.132418	0.270943	0.391018	-5.86372
ATP7A	-0.31728	-0.30076	-1.03748	0.316094	0.440727	-5.86393
IPO5	0.285249	-0.1934	1.132047	0.271095	0.391183	-5.86413
PSRC1	-0.22655	0.180121	-1.13204	0.271097	0.391183	-5.86413
B3GALT6	-0.28392	0.168247	-1.13192	0.271147	0.391227	-5.86427
ATL1	0.26019	0.079321	1.131408	0.271357	0.391501	-5.86482
PSG4	-0.22619	-0.14831	-1.11065	0.281444	0.402374	-5.865
FLJ10661	0.165033	0.072656	1.131209	0.271439	0.39159	-5.86504

ADCY7	-0.44519	0.378333	-1.13116	0.271459	0.39159	-5.86509
ZFYVE27	-0.12761	0.155376	-1.1311	0.271485	0.391598	-5.86516
RPLP1	0.320141	-0.28405	1.131017	0.271518	0.391618	-5.86525
UBA5	-0.28915	0.340232	-1.1309	0.271567	0.391659	-5.86538
KLK7	0.243701	0.063106	1.121025	0.276345	0.396907	-5.8658
XPO5	0.254657	0.076587	1.130121	0.271887	0.392063	-5.86623
MYO5B	0.214421	-0.15363	1.120217	0.27668	0.39728	-5.86668
NAPEPLD	-0.26798	0.070775	-1.12949	0.272146	0.392379	-5.86691
FAM86DP	-0.14385	0.068188	-1.08237	0.292728	0.41515	-5.86714
TRPS1	0.298665	-0.20146	1.08226	0.292777	0.41519	-5.86726
DACT2	-0.2696	-0.08482	-1.11965	0.276916	0.397472	-5.86729
IKZF3	-0.19685	0.260824	-1.12903	0.272337	0.392625	-5.86742
RBP1	-0.17306	0.01543	-1.12882	0.272423	0.392697	-5.86764
LOC647589	0.390261	0.02792	1.108174	0.282483	0.403542	-5.86765
ATP5I	-0.49119	0.650656	-1.12864	0.272494	0.392765	-5.86783
RALGDS	0.319747	0.262566	1.128346	0.272617	0.392914	-5.86816
OR1C1	-0.18394	0.038226	-1.12814	0.272704	0.393009	-5.86839
TPRN	0.216832	0.235563	1.127936	0.272786	0.393079	-5.8686
MYH9	-0.37103	0.583713	-1.12792	0.272792	0.393079	-5.86862
FAM69B	-0.42152	0.416279	-1.12785	0.272822	0.393094	-5.8687
FOXN3	0.252088	-0.14768	1.127483	0.272973	0.393273	-5.8691
RTN4R	0.328262	0.048432	1.12745	0.272987	0.393273	-5.86913
C1orf213	0.289228	-0.03307	1.117713	0.277722	0.398425	-5.86938
URB2	0.244331	-0.01028	1.127214	0.273084	0.393384	-5.86939
PAQR6	-0.4342	0.525076	-1.12713	0.273121	0.393408	-5.86949
NEIL1	0.246755	-0.14754	1.126789	0.273259	0.393579	-5.86985
SCMH1	-0.22563	0.384629	-1.12657	0.273349	0.393678	-5.87008
FHL2	0.474447	0.204419	1.126012	0.27358	0.393934	-5.87069
NDUFB9	-0.22166	0.034841	-1.126	0.273587	0.393934	-5.87071
SPDYE2	-0.22144	-0.06362	-1.12592	0.273617	0.393949	-5.87079
CCR2	0.532127	-0.34053	1.125493	0.273795	0.394176	-5.87126
UBE4B	0.289766	-0.38002	1.125344	0.273857	0.394227	-5.87142
EIF3M	-0.35713	0.47712	-1.12505	0.273978	0.394338	-5.87174
PDK4	-0.53014	0.338868	-1.12502	0.273989	0.394338	-5.87177
ACAT2	-0.38887	0.297593	-1.12498	0.274008	0.394338	-5.87182
C7orf13	0.374913	-0.11018	1.115432	0.278673	0.39938	-5.87183
FLJ35024	0.188805	-0.21191	1.090846	0.290681	0.412969	-5.87193
FLJ40288	0.334253	-0.04021	1.124761	0.274098	0.394438	-5.87205
LOC494150	-0.33863	0.360773	-1.1245	0.274208	0.394567	-5.87234
F2RL2	0.311089	0.101298	1.124368	0.274261	0.394615	-5.87248
ARHGAP21	0.490645	0.076859	1.077247	0.294953	0.417611	-5.87249
CLDN2	0.201466	-0.13574	1.073938	0.298914	0.421701	-5.87273
C1orf133	-0.21067	0.057803	-1.12393	0.274443	0.394844	-5.87296
LOC645206	0.154931	-0.10881	1.103154	0.284599	0.405972	-5.873
RFPL1	0.30083	-0.16929	1.123852	0.274474	0.394844	-5.87304
RABL5	-0.38108	0.342992	-1.12381	0.274493	0.394844	-5.87309
C21orf30	0.21523	-0.08662	1.123787	0.274501	0.394844	-5.87311

FNBP4	-0.34283	0.351425	-1.12373	0.274526	0.394852	-5.87317
ODAM	0.286002	-0.31752	1.067425	0.299993	0.422821	-5.87318
LIN54	-0.39815	0.127833	-1.07581	0.295581	0.418197	-5.87399
PHF17	0.196466	-0.10253	1.122907	0.274866	0.395311	-5.87406
C10orf125	0.420113	-0.37561	1.122636	0.274978	0.395443	-5.87435
ZNF641	-0.33656	0.360806	-1.12242	0.275069	0.395545	-5.87459
TMEM136	-0.40876	-0.00134	-1.11246	0.279918	0.400704	-5.87503
LOC64572	0.253592	-0.32567	1.121148	0.275596	0.396162	-5.87597
FAM35A	-0.31688	-0.2629	-1.1211	0.275615	0.396162	-5.87602
NACAP1	-0.54583	0.674874	-1.12094	0.275683	0.396224	-5.87619
ZSWIM6	-0.32484	-0.22232	-1.12074	0.275766	0.396315	-5.87641
ATE1	0.363322	0.142097	1.063979	0.301509	0.424561	-5.87673
PLXNB1	0.10846	-0.03904	1.120434	0.275892	0.396439	-5.87674
TCEAL8	0.296761	-0.26138	1.12042	0.275898	0.396439	-5.87675
TRAP1	-0.29913	0.467635	-1.12038	0.275913	0.396439	-5.87679
TMEM190	0.178532	-0.16924	1.120282	0.275955	0.396471	-5.8769
TMEM126	-0.29703	-0.30749	-1.12016	0.276007	0.396515	-5.87704
MCM3	0.328278	0.006338	1.12011	0.276027	0.396515	-5.87709
OPN5	0.519454	-0.02614	1.110453	0.280758	0.401633	-5.87718
GPR6	0.244895	-0.27025	1.11977	0.276168	0.39669	-5.87745
KCNG2	-0.28948	0.085273	-1.01382	0.324205	0.448874	-5.8775
CCDC36	0.3767	-0.23376	1.07207	0.297212	0.419717	-5.87787
KRT74	-0.15697	0.08246	-1.11931	0.27636	0.396907	-5.87795
C14orf43	0.227584	-0.13878	1.119132	0.276434	0.396984	-5.87814
ATP6AP2	-0.29457	-0.23298	-1.11906	0.276465	0.396999	-5.87822
LOC10050	0.779926	-0.23186	1.109045	0.281349	0.402303	-5.87868
PGGT1B	0.52493	-1.13344	0.922738	0.374527	0.499931	-5.87886
GLCE	-0.44293	0.009211	-1.10869	0.281501	0.402402	-5.87907
SLC7A9	-0.27234	0.266831	-1.11825	0.276803	0.397385	-5.8791
PRADC1	-0.22768	0.124294	-1.11823	0.27681	0.397385	-5.87912
FLJ42709	-0.09064	0.018128	-1.11817	0.276835	0.397385	-5.87918
FAM155A	0.30863	-0.51514	1.117891	0.276951	0.397493	-5.87948
CSTF2	-0.185	0.177777	-1.11757	0.277083	0.397654	-5.87983
ACE2	-0.22031	0.01735	-1.10789	0.281835	0.402822	-5.87992
DLEC1	0.254692	0.20086	1.117279	0.277206	0.397802	-5.88014
SPDYE8P	-0.27512	-0.0246	-1.1167	0.277449	0.398091	-5.88077
ZNF783	0.357587	0.065735	1.116473	0.277543	0.398196	-5.88101
TMEM155	0.231649	-0.30719	1.106741	0.282319	0.403375	-5.88115
NOG	0.408345	0.080949	1.115976	0.27775	0.398436	-5.88155
SYT14	-0.18054	0.097245	-1.1057	0.28276	0.403819	-5.88226
OCLN	0.388089	-0.03472	1.115208	0.278071	0.398867	-5.88237
FOXR1	0.301833	-0.20724	1.115152	0.278095	0.398872	-5.88244
SEC11C	-0.37213	0.063007	-1.11508	0.278126	0.398874	-5.88252
UTP23	-0.21325	0.084468	-1.11505	0.278137	0.398874	-5.88254
COL9A2	-0.21325	0.131767	-1.11492	0.278192	0.398895	-5.88269
ODF3L1	0.169591	-0.11026	1.114632	0.278312	0.399038	-5.88299
TRIM7	-0.42096	0.784339	-1.11409	0.278538	0.399303	-5.88357

CSNK2A2	-0.3882	0.534228	-1.11404	0.278561	0.399307	-5.88363
C22orf40	0.409167	0.158806	1.113939	0.278602	0.399337	-5.88374
VAMP1	-0.43127	0.630542	-1.11387	0.278629	0.399346	-5.88381
CHSY3	-0.26525	-0.06056	-1.05702	0.304586	0.428033	-5.88386
TRAPPC2P	-0.44191	-0.21226	-1.11363	0.27873	0.399432	-5.88407
C9orf150	-0.39757	0.506628	-1.11345	0.278805	0.399511	-5.88426
ARID1B	0.241474	0.224082	1.113048	0.278976	0.399696	-5.8847
ARMCX1	-0.26587	0.112145	-1.06536	0.300159	0.422964	-5.8848
HLA-L	-0.34904	0.216975	-1.1129	0.279037	0.399754	-5.88486
CDK4	0.321812	0.013129	1.112855	0.279057	0.399754	-5.88491
COL6A1	0.192121	-0.0646	1.112636	0.279149	0.399857	-5.88514
RFK	0.264683	-0.10686	1.11219	0.279335	0.400095	-5.88562
STK10	0.317441	0.423795	1.111939	0.279441	0.400196	-5.88589
RBX1	0.353573	-0.88795	1.111925	0.279447	0.400196	-5.8859
XIRP1	0.853522	-0.20823	1.111836	0.279484	0.40022	-5.886
IGLL5	0.45513	0.251146	1.111754	0.279518	0.40024	-5.88609
LOC100507	-0.34703	0.178289	-1.10206	0.284297	0.405659	-5.88614
SLC30A4	-0.23102	-0.34812	-1.11166	0.279559	0.400269	-5.88619
SLC22A16	0.40093	-0.07699	1.111408	0.279664	0.40039	-5.88646
SLC25A5-A	0.290438	0.048353	1.101386	0.284583	0.405972	-5.88685
HOXC4	0.508772	0.188473	1.110788	0.279924	0.400704	-5.88712
GSTM4	-0.44433	0.624299	-1.11074	0.279945	0.400705	-5.88718
SIX2	-0.17522	0.081392	-1.11031	0.280127	0.400935	-5.88764
YTHDC1	-0.21583	0.185415	-1.11023	0.28016	0.400954	-5.88773
LOC100507	0.296732	-0.17098	1.11016	0.280188	0.400965	-5.8878
PRPF31	-0.27185	0.444397	-1.1097	0.280383	0.401214	-5.88829
ZCRB1	-0.12275	0.024551	-1.10941	0.280503	0.401356	-5.8886
MIR143HG	0.244083	-0.08663	1.099609	0.285337	0.406848	-5.88874
KLHDC5	-0.32468	0.1242	-1.10911	0.280629	0.401507	-5.88892
YTHDF2	0.167961	-0.10975	1.10895	0.280697	0.401576	-5.88909
ZC3H12C	-0.20785	-0.14155	-1.08768	0.291192	0.413451	-5.88936
LOC100137	0.366019	-0.34689	0.61146	0.553474	0.666427	-5.88967
C4orf38	-0.15155	0.001824	-1.09857	0.285777	0.407238	-5.88984
RBM4B	-0.16403	0.117979	-1.10822	0.281006	0.401959	-5.88988
SPDYE3	-0.23704	0.032235	-1.10804	0.281081	0.40202	-5.89007
ORAI3	-0.25015	0.217512	-1.10802	0.28109	0.40202	-5.89009
TMEM26	-0.18657	0.02948	-1.10793	0.281128	0.402046	-5.89019
TMED10	-0.18529	-0.14513	-1.1073	0.281394	0.402337	-5.89086
C7orf69	-0.29994	-0.05093	-1.09726	0.286336	0.407945	-5.89123
LINC00226	0.273991	0.001775	1.106875	0.281572	0.402475	-5.89132
KRTAP1-1	-0.51875	0.326707	-1.08581	0.291997	0.414383	-5.89132
KIF12	0.397328	-0.00286	1.058913	0.30301	0.426216	-5.89143
SOAT1	-0.3935	0.260441	-1.10579	0.28203	0.40307	-5.89247
NAG18	-0.19477	0.021308	-1.09601	0.28687	0.408571	-5.89256
GPD1L	-0.26901	0.336084	-1.1056	0.282111	0.403157	-5.89268
FLVCR1-AS	0.406008	0.143175	1.105204	0.282278	0.403365	-5.8931
TNFAIP2	0.248843	0.030046	1.104949	0.282386	0.403431	-5.89337

FAM59B	0.460175	0.10307	1.104488	0.282581	0.403651	-5.89387
WRB	-0.22021	-0.15939	-1.1042	0.282702	0.403795	-5.89417
FGF20	0.49301	-0.26643	1.104134	0.282731	0.403807	-5.89424
UNC45B	0.247957	-0.04178	1.046537	0.309267	0.432965	-5.89454
IRF2BP2	-0.28853	0.712531	-1.10377	0.282884	0.403967	-5.89463
KERA	0.232428	0.084293	1.094041	0.28771	0.409605	-5.89464
MAP4K5	0.23775	0.118349	1.103612	0.282951	0.404018	-5.8948
OR56B1	-0.1952	-0.09181	-1.10359	0.282961	0.404018	-5.89482
KLK13	0.108755	-0.46828	0.218867	0.83081	0.890044	-5.8949
RGPD2	0.742042	-0.63015	1.103504	0.282997	0.40404	-5.89492
ISCA1	0.402149	-0.16088	1.103034	0.283196	0.404295	-5.89542
C5orf55	0.247645	-0.11601	1.102382	0.283473	0.40466	-5.89611
PEX5L-AS2	0.212791	-0.13004	1.053908	0.305237	0.428551	-5.89655
PRPS1L1	-0.14699	0.030493	-1.10143	0.283875	0.405175	-5.89712
HAUS1	-0.38269	-0.36345	-1.10081	0.284138	0.405492	-5.89778
CYP11B2	0.350776	-0.19733	1.100561	0.284246	0.405616	-5.89805
ATP8A2	0.427741	-0.49626	1.100195	0.284401	0.405779	-5.89844
LOC100506	0.463422	0.108883	1.090434	0.289254	0.411373	-5.89845
FAIM	-0.38992	0.431072	-1.09981	0.284564	0.405972	-5.89885
ANKRD20A	0.21441	-0.09825	1.099229	0.284812	0.406246	-5.89947
CRYBB1	0.262308	-0.26861	1.099179	0.284833	0.406247	-5.89952
ZNF235	-0.30574	0.130448	-1.09904	0.284892	0.406302	-5.89967
RDH13	0.189338	0.006342	1.098951	0.284931	0.406327	-5.89976
PLA2G2E	0.261508	-0.32714	1.077477	0.295602	0.418197	-5.90004
RIT2	0.284251	0.165493	1.098548	0.285102	0.406542	-5.90019
ARSK	-0.33849	0.13084	-1.0503	0.30685	0.43035	-5.90023
CPS1-IT1	0.262253	-0.34112	0.9809	0.340505	0.465856	-5.90075
CABS1	0.312239	-0.00712	1.088159	0.290232	0.412536	-5.90085
ATP1B2	0.391162	-0.22798	1.09778	0.285429	0.406949	-5.90101
CYP4F8	-0.44162	0.404533	-1.09773	0.285452	0.406952	-5.90106
GDF2	-0.15192	0.043906	-1.09754	0.285531	0.407035	-5.90126
ZNF596	0.366697	-0.12702	1.087698	0.29043	0.412697	-5.90133
MCM5	0.23739	0.139993	1.097423	0.285581	0.407048	-5.90139
CCDC155	-0.21727	0.222411	-1.09714	0.2857	0.407187	-5.90168
FAM22A	0.268384	-0.25599	1.097042	0.285744	0.40722	-5.90179
ASPN	-0.12393	0.029943	-1.08709	0.290691	0.412969	-5.90197
TBX18	-0.16372	0.078555	-1.04824	0.307774	0.431491	-5.90233
GPR112	-0.21903	-0.11606	-1.0866	0.290904	0.413161	-5.90249
ACADS	-0.25805	0.579825	-1.09633	0.286047	0.407592	-5.90254
MAT1A	0.268754	-0.31684	1.096261	0.286077	0.407606	-5.90262
C6orf97	-0.54946	0.545314	-1.0861	0.291118	0.413375	-5.90301
MID1	0.25238	-0.05915	1.095586	0.286365	0.407957	-5.90333
C20orf112	-0.41109	0.374971	-1.09545	0.286423	0.40801	-5.90348
GLTSCR1	-0.17996	0.07658	-1.09445	0.286852	0.408571	-5.90454
ADCK1	-0.28288	0.602121	-1.09438	0.28688	0.408571	-5.90461
PDZK1	-0.23442	-0.01059	-1.03625	0.313908	0.438085	-5.90492
DBX2	0.243221	-0.03294	1.093967	0.287058	0.408795	-5.90505

ZNF300P1	-0.30338	0.100695	-1.07256	0.297742	0.420374	-5.90514
ZDHH4	0.203303	-0.30869	1.093354	0.28732	0.409139	-5.9057
NRP2	-0.19759	0.00859	-1.09309	0.287435	0.409272	-5.90598
LOC10050	-0.31829	-0.25708	-1.04436	0.309516	0.433206	-5.90626
TMEM217	0.238534	-0.22981	1.092451	0.287707	0.409605	-5.90665
RCBTB2	-0.44513	0.225438	-1.09221	0.287809	0.409715	-5.9069
LOC72861	-0.4294	0.602856	-1.04345	0.309926	0.433661	-5.90718
CLEC12A	-0.7203	0.375995	-1.04342	0.309942	0.433661	-5.90721
ABCA6	-0.39572	0.135439	-1.09167	0.288044	0.41002	-5.90748
ARG2	-0.50817	0.570576	-1.0916	0.288072	0.41003	-5.90755
ASIP	-0.22263	0.091983	-1.09114	0.288271	0.410284	-5.90804
KIAA1324L	-0.44342	0.006287	-0.90338	0.379046	0.50476	-5.90874
ST8SIA1	0.383722	-0.31031	1.080326	0.293615	0.416198	-5.90907
MRPL48	-0.30511	0.148371	-1.08974	0.288873	0.41107	-5.90952
RBP4	-0.32655	0.234809	-1.08966	0.288905	0.41107	-5.9096
PGRMC1	-0.4133	0.319038	-1.08956	0.288949	0.41107	-5.9097
PGR	0.245338	-0.06342	1.089559	0.288949	0.41107	-5.90971
MGAT5B	0.313305	0.147585	1.040689	0.311175	0.434983	-5.90997
DAPK3	0.227667	-0.04905	1.089266	0.289075	0.411184	-5.91001
RPL39	0.777362	-1.4063	1.089236	0.289088	0.411184	-5.91005
LOC49725	-0.34694	0.134289	-1.08923	0.289092	0.411184	-5.91006
INPP4B	0.472055	-0.39592	1.031071	0.316265	0.440809	-5.91011
SGCD	-0.1915	-0.01503	-1.07918	0.294115	0.416664	-5.91027
ANGPTL1	-0.26851	0.086858	-1.07892	0.294225	0.416761	-5.91053
FAH	0.227154	0.057132	1.088634	0.289347	0.411427	-5.91068
VWC2L	0.21323	0.004099	1.078698	0.294322	0.416868	-5.91077
NSUN2	-0.20823	0.080793	-1.08829	0.289494	0.411577	-5.91104
FGF12	0.260248	-0.26702	0.969372	0.346057	0.471599	-5.91169
OR2A14	0.253591	-0.20158	1.087584	0.289799	0.41198	-5.91179
PLA1A	-0.20562	0.012178	-1.08742	0.289871	0.412052	-5.91196
OIT3	0.091882	-0.01934	1.07688	0.295113	0.417777	-5.91266
CCDC75	-0.28589	0.445509	-1.08645	0.290287	0.412584	-5.91298
KIR2DL4	0.306537	0.352517	1.086142	0.290421	0.412697	-5.9133
ZBTB34	-0.32704	0.035595	-1.08612	0.290431	0.412697	-5.91333
SLC44A4	0.093464	-0.00329	1.086074	0.29045	0.412697	-5.91338
CYP4F3	0.414397	0.004468	1.037075	0.312812	0.436836	-5.91361
NOX5	0.06295	-0.56162	0.103311	0.919598	0.954477	-5.91373
PARVB	0.396823	0.222136	1.085483	0.290705	0.412969	-5.914
OR2C1	-0.20392	-0.08938	-1.08534	0.290768	0.413019	-5.91415
TOMM7	0.532366	-1.18974	1.085303	0.290783	0.413019	-5.91419
BCAR3	-0.27013	0.282087	-1.08476	0.291016	0.413269	-5.91475
EMG1	-0.32135	-0.08069	-1.08475	0.291022	0.413269	-5.91477
MCC	0.311032	0.122169	1.084308	0.291213	0.413451	-5.91523
ZNF121	0.246197	0.031755	1.084219	0.291252	0.413475	-5.91532
TECTA	-0.2257	0.223498	-1.08405	0.291326	0.413551	-5.91551
INHBB	0.43963	0.355573	1.074115	0.296318	0.418877	-5.91554
ALX1	0.391076	-0.26597	1.025186	0.318957	0.443458	-5.91599

ZNF778	-0.35045	0.310491	-1.08316	0.29171	0.414066	-5.91644
BTNL3	0.787897	0.339121	0.828577	0.423698	0.548632	-5.9166
ZC3HAV1L	0.237382	-0.2473	1.082979	0.291788	0.414147	-5.91663
FLJ43489	0.453895	-0.21317	1.082578	0.291962	0.414364	-5.91705
AHI1	-0.25504	0.016202	-1.08229	0.292088	0.414482	-5.91735
TSHZ1	0.273678	0.010381	1.082089	0.292174	0.414565	-5.91756
SPATA5	0.201498	-0.07442	1.082056	0.292188	0.414565	-5.91759
RAB11FIP4	-0.31495	0.59644	-1.08197	0.292225	0.414586	-5.91768
ZNHIT6	0.349378	-0.18645	1.081846	0.29228	0.414634	-5.91781
PAAF1	0.235612	0.037046	1.081404	0.292471	0.414876	-5.91828
TCEA3	0.450676	0.027141	1.081008	0.292643	0.415089	-5.91869
CPOX	-0.24968	0.020637	-1.08088	0.292698	0.415137	-5.91882
METTL20	-0.21996	0.018199	-1.01104	0.326282	0.450781	-5.91889
GPR18	0.470051	-0.35594	1.080591	0.292824	0.415226	-5.91913
HHIPL1	0.136026	-0.11098	1.080233	0.29298	0.415417	-5.9195
C9orf102	-0.22219	-0.03202	-1.07999	0.293085	0.415536	-5.91976
GOLGA6L1	0.238041	-0.53265	0.979642	0.344048	0.469514	-5.92029
RPL29P2	0.322021	-0.16411	1.079384	0.293349	0.41588	-5.92039
MGC57346	-0.35112	0.169099	-1.07923	0.293417	0.415946	-5.92056
PRODH	0.159521	-0.17615	1.078708	0.293642	0.416198	-5.9211
ASMTL-AS1	-0.23409	0.302531	-1.07867	0.293658	0.416198	-5.92114
SLC35F4	-0.264	-0.25387	-1.02954	0.316245	0.440809	-5.92117
LOC100506	-0.33852	0.136972	-1.01996	0.321362	0.445883	-5.92118
LOXL3	-0.20806	0.003445	-1.07831	0.293817	0.416383	-5.92152
ADCY9	0.263048	0.148572	1.078274	0.293831	0.416383	-5.92155
DUSP23	0.245728	-0.14632	1.078198	0.293865	0.4164	-5.92163
S100A2	0.225427	-0.14739	1.078089	0.293912	0.416437	-5.92175
DSC3	0.094219	-0.02094	1.05643	0.304849	0.428199	-5.92178
MYCBP2	0.269276	-0.16525	1.077668	0.294095	0.416664	-5.92219
UCP3	-0.16159	0.368989	-1.07744	0.294195	0.416748	-5.92243
ZNF718	-0.391	0.058411	-1.06703	0.299423	0.422261	-5.92289
RSPO1	0.456295	-0.61016	1.018176	0.322186	0.446963	-5.92295
C1orf112	-0.18237	0.074737	-1.06679	0.299529	0.42235	-5.92314
LRRC4B	0.252062	-0.1408	1.07626	0.294709	0.417355	-5.92365
RASD1	-0.42344	0.209234	-1.07621	0.294733	0.417359	-5.92371
TICAM1	-0.20934	0.311924	-1.07614	0.294761	0.417369	-5.92378
MEIS2	0.088455	-0.01862	1.065684	0.300016	0.422824	-5.92429
OTOGL	-0.28468	0.140676	-1.07547	0.295053	0.417722	-5.92448
ZNF510	-0.33981	0.244829	-1.07526	0.295147	0.417795	-5.9247
POLR3H	-0.26544	0.250196	-1.07513	0.295204	0.417845	-5.92484
NAPSB	0.560954	-0.0976	1.075077	0.295225	0.417845	-5.92489
OSCP1	-0.2785	-0.07071	-1.07484	0.295327	0.417958	-5.92513
DNAAF2	-0.35181	-0.11028	-1.0745	0.295479	0.418143	-5.92549
C1orf186	0.194652	-0.0093	1.074263	0.295581	0.418197	-5.92574
DIP2C	-0.38679	0.23937	-1.00403	0.329553	0.454165	-5.92576
THAP4	0.218976	0.116113	1.073933	0.295725	0.418341	-5.92608
KCNG4	0.301471	-0.45513	1.003389	0.329853	0.454447	-5.92638

LMBRD1	-0.31766	-0.33688	-1.07362	0.295862	0.418474	-5.92641
C3orf20	-0.1802	-0.05779	-1.07348	0.295921	0.418528	-5.92655
DHX34	-0.4139	0.597624	-1.07307	0.296102	0.418753	-5.92698
OSTC	-0.2591	-0.24121	-1.07297	0.296146	0.418772	-5.92708
NANOG	-0.2962	-0.37941	-0.89328	0.388112	0.514072	-5.92709
STX16	-0.52407	0.341687	-1.07294	0.296159	0.418772	-5.92711
TXLNA	-0.41539	0.771928	-1.07285	0.2962	0.418801	-5.92721
ATP1A3	0.205576	-0.08245	1.072637	0.296292	0.418877	-5.92743
TMEM117	0.202785	-0.44026	1.072598	0.296309	0.418877	-5.92747
SEC11A	-0.17915	-0.03215	-1.07248	0.296363	0.41891	-5.9276
UBXN1	0.19341	0.005847	1.072354	0.296416	0.418956	-5.92772
SYT7	0.186343	-0.17763	1.072237	0.296468	0.418998	-5.92785
TRIM8	-0.28659	0.389556	-1.07193	0.296601	0.419156	-5.92816
IL12A	-0.35556	0.117891	-1.07184	0.29664	0.419181	-5.92825
LOC440104	0.243636	0.097145	1.071781	0.296667	0.419189	-5.92832
MLXIPL	0.226009	-0.10997	1.071507	0.296788	0.419329	-5.9286
CNP	-0.42926	0.612818	-1.07143	0.296823	0.419349	-5.92869
ZNF580	-0.204	0.330614	-1.07127	0.296891	0.419415	-5.92885
LOC100131	-0.43202	0.355373	-1.07122	0.296913	0.419416	-5.9289
WNT7B	0.314111	-0.70964	1.049339	0.308011	0.431731	-5.92902
ARSA	-0.30043	0.147076	-1.07098	0.297021	0.419537	-5.92916
ZNF295-AS	0.208772	-0.08001	1.06087	0.302143	0.42527	-5.92925
ARMCX3	0.504081	0.233786	1.070742	0.297123	0.419652	-5.9294
TAT	0.227301	-0.1738	1.070594	0.297188	0.419713	-5.92955
LOC100131	0.08317	-0.01663	1.070417	0.297266	0.419763	-5.92974
SPSB1	-0.22361	0.482009	-1.07011	0.2974	0.419922	-5.93005
LOC729971	-0.22371	-0.2054	-1.02	0.32063	0.445115	-5.93067
MRPL55	0.203096	-0.00988	1.069279	0.297765	0.420377	-5.93092
ALDH3B1	-0.23085	0.187132	-1.06913	0.297832	0.42044	-5.93107
ZBED5	-0.27918	-0.35628	-1.06884	0.297957	0.420586	-5.93137
GLB1L	0.180794	-0.41104	1.068737	0.298004	0.420622	-5.93148
KLHL15	-0.34537	-0.27781	-1.04664	0.30922	0.432959	-5.93177
CATSPERB	-0.3716	0.147451	-1.06823	0.298228	0.42091	-5.93201
TSPAN9	-0.30219	0.845519	-1.06815	0.298261	0.420925	-5.93208
NR4A3	-0.5212	0.11193	-1.05792	0.303453	0.426746	-5.93229
C9orf23	0.186013	-0.03011	1.067934	0.298357	0.42103	-5.93231
ALPP	0.148201	-0.26662	1.067729	0.298447	0.421128	-5.93252
DCAF6	0.331841	0.008821	1.008446	0.326705	0.451156	-5.93253
MAB21L3	0.182371	-0.22668	1.067037	0.298752	0.421527	-5.93324
AKT3	-0.25502	0.047763	-1.06666	0.298918	0.421701	-5.93363
KLF4	-0.32623	0.581225	-1.06657	0.298958	0.421726	-5.93372
IL7	0.145313	-0.00711	1.056217	0.304208	0.427624	-5.93403
ZNF107	0.415944	-0.09589	1.066164	0.299137	0.421948	-5.93414
RPL23A	0.389976	0.159573	1.065998	0.29921	0.422015	-5.93432
MRI1	0.359864	0.169027	1.065959	0.299227	0.422015	-5.93436
MMP2	0.182441	-0.39593	1.065433	0.299459	0.422281	-5.9349
MIOX	0.202989	-0.13759	1.064897	0.299696	0.422524	-5.93545

C19orf73	-0.25199	0.493693	-1.06472	0.299776	0.422593	-5.93564
EFTUD1	-0.25261	0.407474	-1.06465	0.299807	0.422593	-5.93571
TEPP	-0.24081	-0.12852	-1.06464	0.299809	0.422593	-5.93572
VPS26A	-0.23983	-0.19312	-1.05439	0.305024	0.428341	-5.9359
ZNF395	-0.35351	0.804607	-1.06408	0.300058	0.422852	-5.9363
GJA1	0.344731	-0.00708	1.013721	0.323542	0.448146	-5.93688
HOXB7	0.194818	-0.2551	1.063508	0.300309	0.423145	-5.93689
UQCRH	-0.3597	0.15856	-1.06345	0.300333	0.423149	-5.93694
ADA	0.389245	0.092551	1.063021	0.300525	0.423388	-5.93739
CHRNA6	0.299057	-0.07334	1.062758	0.300641	0.423522	-5.93766
MTMR12	0.192855	-0.24949	1.062704	0.300665	0.423525	-5.93772
ARL6	0.072209	-0.0152	1.052431	0.305897	0.429351	-5.9379
ID2	-0.22494	0.216445	-1.06228	0.300851	0.423757	-5.93815
C12orf39	-0.48083	0.307311	-1.01184	0.324415	0.449023	-5.93873
MLANA	0.209918	-0.20025	1.061007	0.301417	0.424514	-5.93947
LOC282997	-0.1735	-0.09148	-1.06097	0.301432	0.424514	-5.9395
SYTL3	-0.29615	0.342374	-1.06082	0.301499	0.424561	-5.93966
MORN1	-0.22635	0.078129	-1.06065	0.301573	0.424621	-5.93983
NUBPL	0.3878	0.057746	1.060453	0.301662	0.424716	-5.94004
C18orf23	-0.3406	0.474203	-1.06032	0.301723	0.424771	-5.94018
C7orf55	-0.08161	0.016321	-1.05962	0.30203	0.425173	-5.94089
DSCAML1	0.317123	-0.16275	1.049387	0.307258	0.430799	-5.94101
DLK1	-0.45136	0.267969	-1.05944	0.30211	0.425255	-5.94108
LY6K	-0.2631	0.08378	-1.05893	0.302337	0.425513	-5.9416
TRIM45	0.233716	-0.13451	1.058706	0.302438	0.425625	-5.94183
SP5	-0.27145	0.105644	-1.05863	0.302471	0.42564	-5.94191
LELP1	-0.26167	-0.01269	-1.05858	0.302495	0.425644	-5.94197
KIAA2018	-0.2454	-0.27626	-1.05844	0.302555	0.425697	-5.9421
EDC4	0.203206	-0.0194	1.05819	0.302667	0.425825	-5.94237
BMP2	0.238473	-0.19289	1.008069	0.326177	0.450713	-5.94244
SERTAD2	-0.24444	0.053583	-1.05756	0.302948	0.42619	-5.94301
MED21	-0.36371	-0.20685	-0.95573	0.354496	0.48064	-5.9431
MCM7	0.235944	0.048789	1.057433	0.303004	0.426216	-5.94314
GSTCD	-0.29549	0.289049	-1.05703	0.303183	0.426428	-5.94356
VPS72	-0.16837	0.121702	-1.05655	0.303396	0.426697	-5.94405
LOC541477	-0.5182	0.43443	-1.05627	0.303522	0.426813	-5.94434
EMID2	0.245486	-0.23419	1.055813	0.303726	0.427068	-5.94481
SLC6A20	-0.48921	0.188902	-1.05541	0.303907	0.427293	-5.94522
RPL13	0.342534	-0.22518	1.05512	0.304035	0.427442	-5.94552
RBBP8	0.446644	-0.22633	1.018687	0.322743	0.447402	-5.94565
C11orf21	-0.20482	0.245426	-1.05486	0.304152	0.427576	-5.94579
C3orf27	0.176626	-0.06069	1.054667	0.304237	0.427634	-5.94598
PARP11	0.400399	-0.07668	1.05442	0.304347	0.427759	-5.94623
C19orf2	-0.27504	0.144468	-1.05373	0.304657	0.428098	-5.94694
ABHD8	-0.19205	0.419118	-1.05368	0.304676	0.428098	-5.94699
TXNDC5	0.350068	0.424661	1.053583	0.304721	0.428117	-5.94709
POMC	-0.20911	0.052446	-1.05356	0.304733	0.428117	-5.94712

UBE2E2	-0.31243	0.044539	-1.05342	0.304793	0.42817	-5.94726
HES5	0.233926	-0.07994	1.053277	0.304857	0.428199	-5.9474
C16orf72	-0.33828	-0.09684	-1.05307	0.304949	0.428297	-5.94761
TMEM98	0.226691	-0.40574	1.052923	0.305016	0.428341	-5.94777
UXT	0.257864	-0.1666	1.052761	0.305089	0.428401	-5.94793
NRG3	0.205532	-0.1461	1.052424	0.305239	0.428551	-5.94828
CRYM	-0.31517	0.272939	-1.05224	0.305322	0.428637	-5.94847
ADAM23	0.499553	-0.47751	1.030039	0.316736	0.44134	-5.94852
C17orf48	-0.27987	-0.31092	-1.05151	0.305647	0.429062	-5.94921
F2	0.19298	-0.02129	1.051371	0.305711	0.42912	-5.94935
LOC100506	0.317869	-0.26766	0.840724	0.417124	0.541948	-5.94991
DOCK4	-0.19596	0.117619	-1.05079	0.30597	0.429423	-5.94994
GALNTL5	-0.28762	-0.26925	-1.05051	0.306097	0.429571	-5.95023
CSPG4P1Y	-0.17091	-0.16953	-1.05042	0.306135	0.429594	-5.95032
DNAJB4	0.185944	-0.11177	1.050079	0.30629	0.429779	-5.95067
FAM22D	0.177182	-0.29238	1.049909	0.306366	0.429855	-5.95085
RBM1Y1E	-0.4359	-0.05708	-1.04981	0.306408	0.429858	-5.95094
HSPBP1	0.272251	0.126154	1.049806	0.306412	0.429858	-5.95095
BMP7	0.552628	0.186512	1.04947	0.306563	0.430039	-5.95129
MARK2	0.184463	0.137047	1.049418	0.306586	0.430041	-5.95135
PLOD2	-0.51237	0.790294	-1.03902	0.311929	0.435851	-5.95153
CIDEA	0.252578	-0.36156	1.038836	0.312013	0.435938	-5.95172
TCF19	-0.41639	0.679719	-1.04894	0.306802	0.430314	-5.95184
B3GALT1	0.248873	0.007482	1.048442	0.307024	0.430564	-5.95234
AXDND1	-0.509	0.242619	-1.04827	0.307101	0.43064	-5.95252
OR7A10	-0.21402	0.074216	-1.04808	0.307189	0.430732	-5.95271
SQLE	-0.37995	0.468884	-1.04672	0.307798	0.431495	-5.95409
TREM2	-0.13787	0.115578	-1.0465	0.307897	0.431602	-5.95432
MYO7A	0.312847	-0.09791	1.046173	0.308045	0.431747	-5.95465
RFPL1-AS1	0.311796	-0.08552	1.045884	0.308175	0.431877	-5.95495
PDX1	0.276009	-0.20879	1.04587	0.308181	0.431877	-5.95496
TRIM28	0.263774	0.153403	1.045651	0.30828	0.431984	-5.95518
CYP1A2	0.498774	-1.23026	1.045399	0.308393	0.432112	-5.95544
RBM11	-0.16124	0.042961	-0.9947	0.33247	0.457377	-5.95548
LMAN1	-0.60903	1.233464	-1.04523	0.30847	0.432188	-5.95561
S100A14	0.136835	-0.52259	1.045031	0.308559	0.432283	-5.95581
ATP5H	-0.19075	0.104671	-1.04491	0.308615	0.43233	-5.95594
LOC100133	-0.25105	0.462947	-1.04453	0.308784	0.432537	-5.95632
CDCP2	-0.27878	-0.10176	-0.98367	0.338411	0.463759	-5.95657
PCLO	0.2129	-0.13825	1.044204	0.308932	0.432713	-5.95665
RBMX	-0.145	0.215127	-1.04413	0.308964	0.432727	-5.95673
TFF3	-0.23116	-0.0878	-1.04404	0.309005	0.432744	-5.95682
PPFIBP1	0.246901	-0.23899	1.044008	0.309021	0.432744	-5.95685
SYBU	0.197772	-0.0975	1.043734	0.309144	0.432886	-5.95713
HOTAIRM1	0.155186	0.022668	1.043521	0.309241	0.432959	-5.95735
DUSP21	-0.24327	0.110785	-1.04323	0.309373	0.433072	-5.95765
TPPP2	0.138047	-0.20225	1.043196	0.309387	0.433072	-5.95768

DIRAS3	-0.1468	0.069987	-1.04289	0.309527	0.433206	-5.95799
CARHSP1	0.237811	-0.30982	1.042299	0.309793	0.433546	-5.95859
ALDH1A3	0.107862	-0.03513	1.042249	0.309815	0.433546	-5.95864
ICK	0.289508	-0.24068	1.041832	0.310004	0.433709	-5.95906
ZNF343	-0.25035	0.410056	-1.0418	0.31002	0.433709	-5.9591
LYZL4	0.21295	-0.06001	1.03124	0.315469	0.439925	-5.95936
AMOTL2	0.246699	-0.38748	1.041347	0.310223	0.433962	-5.95955
SMCR7L	0.175978	0.103229	1.04102	0.310371	0.434138	-5.95988
AGTR1	-0.1897	0.053854	-1.03065	0.31574	0.440265	-5.95996
HNRNPR	0.495654	-0.04567	1.040821	0.310461	0.434234	-5.96008
RBBP7	0.228779	-0.09955	1.040673	0.310528	0.434286	-5.96023
RAP1GAP2	-0.5789	0.733787	-1.04061	0.310556	0.434286	-5.96029
EYA2	0.397226	0.153009	1.04055	0.310584	0.434286	-5.96036
PLXDC1	-0.51023	0.512394	-1.04051	0.310603	0.434286	-5.9604
DAB2	0.365645	0.261746	1.040493	0.31061	0.434286	-5.96042
GRK1	0.207893	-0.30284	1.040198	0.310744	0.434442	-5.96071
HDX	-0.33561	-0.05167	-0.97929	0.340512	0.465856	-5.96076
NIPSNAP1	-0.34905	0.564824	-1.03976	0.310942	0.434689	-5.96116
CTNNA1	-0.30628	0.319599	-1.03905	0.311262	0.435074	-5.96187
LOC100128	0.272669	0.04549	1.028472	0.316735	0.44134	-5.96214
LOC401397	0.247533	-0.31031	1.038742	0.311404	0.435241	-5.96219
STATH	0.23099	-0.15258	0.977232	0.341503	0.466853	-5.96273
BPIFA4P	0.270749	-0.35558	1.027811	0.317038	0.441541	-5.9628
RSPO3	-0.311	0.076173	-1.03809	0.311698	0.435621	-5.96284
DBI	-0.37098	-0.18922	-1.03803	0.311727	0.435631	-5.96291
P4HA2	0.273092	-0.00409	1.037862	0.311803	0.435706	-5.96308
SLC2A4	0.346899	-0.13191	0.986519	0.336363	0.461566	-5.96339
C6orf108	0.332953	-0.08515	1.037344	0.312039	0.435942	-5.9636
TOMM6	0.214617	-0.19811	1.037287	0.312064	0.435946	-5.96366
TP53BP1	-0.21292	0.399764	-1.03623	0.312546	0.436588	-5.96473
ZNF729	0.313424	-0.06513	1.025797	0.317962	0.442607	-5.96481
TRAK1	-0.13892	-0.00709	-1.03614	0.312588	0.436616	-5.96482
ARC	-0.18958	0.191498	-1.03608	0.312615	0.436623	-5.96488
C6orf118	0.319663	4.40E-05	1.013537	0.324335	0.448959	-5.96493
TMPRSS3	0.338553	0.108625	1.035772	0.312754	0.436785	-5.96519
RNF32	0.087296	-0.02002	1.013223	0.32448	0.44904	-5.96524
BCL7C	-0.19577	0.187947	-1.03555	0.312853	0.436861	-5.96541
UBXN2A	-0.31791	0.27985	-1.03549	0.312884	0.436874	-5.96547
SCARF2	0.347016	0.019728	1.035336	0.312952	0.436938	-5.96562
CHCHD4	-0.17744	0.092838	-1.03493	0.313138	0.437166	-5.96604
C3orf17	0.222467	-0.17758	1.034368	0.313393	0.437491	-5.9666
ULK3	0.236885	-0.02739	1.034015	0.313554	0.437684	-5.96695
IDH3G	0.158436	0.037211	1.033883	0.313614	0.437737	-5.96709
ARHGAP25	0.251895	0.059819	1.033648	0.313721	0.437855	-5.96732
LOC100506	-0.2463	-0.14696	-1.01044	0.325775	0.450263	-5.96798
CHD2	-0.21253	0.442166	-1.03284	0.314088	0.438305	-5.96813
NEB	-0.24395	0.267377	-1.03268	0.314165	0.438381	-5.9683

FBXW10	0.272178	-0.35848	0.945137	0.358762	0.484765	-5.96865
TMOD4	-0.28855	0.540113	-1.0315	0.314704	0.439102	-5.96949
SLC17A1	0.266337	-0.13502	1.03137	0.314762	0.439151	-5.96961
ZNF560	0.081433	-0.01714	1.020912	0.320211	0.444727	-5.96968
ZNF500	-0.18401	0.182746	-1.03119	0.314844	0.439235	-5.9698
ZNF75A	-0.30966	0.227652	-1.03096	0.314947	0.439348	-5.97002
NDUFC1	-0.1794	0.04117	-1.03052	0.315152	0.439601	-5.97047
ALDH1B1	-0.17743	0.052549	-1.03009	0.315346	0.439841	-5.9709
LOC100655	0.288008	-0.04977	1.030037	0.315371	0.439845	-5.97095
DNAH6	-0.2494	0.177245	-1.02981	0.315473	0.439925	-5.97118
LOC339524	0.311416	0.107742	0.97805	0.340426	0.465804	-5.97151
SLN	-0.32996	-0.00226	-1.01903	0.32108	0.445644	-5.97155
CD86	0.247446	-0.22107	1.028391	0.316126	0.440741	-5.9726
VASH2	0.210133	-0.39596	1.028257	0.316187	0.440795	-5.97274
ATN1	0.29961	-0.04665	1.027994	0.316308	0.440838	-5.973
TMEM206	-0.26841	0.122607	-1.02769	0.316448	0.441002	-5.97331
TNNT3	0.298489	0.487828	1.026938	0.316793	0.441388	-5.97406
LOC644246	0.588833	-0.59769	1.026793	0.316859	0.441444	-5.9742
RPL32P3	-0.30662	0.550277	-1.02675	0.316878	0.441444	-5.97424
CXorf51A	0.37281	-0.74796	0.965089	0.347384	0.47288	-5.97425
MZT1	0.382928	-0.86882	0.964941	0.347456	0.472945	-5.97439
EPHA6	-0.07705	0.015411	-1.02655	0.31697	0.44154	-5.97444
ATP5E	-0.54077	0.633342	-1.02648	0.317003	0.441541	-5.97452
FZD8	0.094922	-0.00986	1.026435	0.317024	0.441541	-5.97456
CCT5	-0.37361	0.632924	-1.02611	0.317173	0.441697	-5.97488
GPR88	0.330785	0.098084	1.015647	0.322647	0.447394	-5.9749
WLS	0.576067	0.464037	1.025959	0.317243	0.441763	-5.97504
APOBEC1	-0.1948	0.035782	-1.02555	0.317428	0.441991	-5.97544
PSD2	-0.35066	-0.24352	-1.01497	0.32296	0.44753	-5.97557
NFE4	-0.45241	0.908644	-1.02532	0.317538	0.442112	-5.97568
LOC730751	-0.24295	0.009932	-1.02506	0.317656	0.442245	-5.97593
TLR2	-0.37285	-0.12134	-1.02477	0.317791	0.442401	-5.97623
CDHR3	0.362456	0.181906	1.024327	0.317994	0.442621	-5.97667
LOC100507	0.190657	-0.32226	1.024219	0.318043	0.442658	-5.97677
LOC100273	-0.39785	0.280413	-1.02415	0.318074	0.442669	-5.97684
C5orf64	-0.29183	0.045149	-1.00124	0.330082	0.454698	-5.97701
RPL15	0.375916	-0.47147	1.023983	0.318152	0.442736	-5.97701
LOC283663	-0.36949	0.6403	-1.02395	0.318167	0.442736	-5.97704
LGI2	-0.21828	-0.15099	-1.02384	0.318217	0.442774	-5.97715
TRRAP	-0.21825	0.290258	-1.0237	0.318282	0.442802	-5.97729
HSF2	0.303224	-0.54103	1.023605	0.318326	0.442831	-5.97739
AP3M2	0.308787	-0.1685	1.023165	0.318529	0.443065	-5.97783
DAO	0.336321	-0.15753	1.023143	0.318539	0.443065	-5.97785
MCART3P	0.173061	-0.19846	0.960914	0.349422	0.475093	-5.97818
TMCO7	0.257754	0.042573	1.022756	0.318718	0.443282	-5.97823
MCM4	-0.41331	0.592319	-1.01208	0.324307	0.448959	-5.97843
CNN1	0.530758	0.400211	1.022546	0.318815	0.443385	-5.97844

HRASLS5	-0.19628	-0.3499	-1.02243	0.318869	0.443421	-5.97856
LOC100506	-0.22887	-0.01291	-0.97061	0.344024	0.469514	-5.97859
EIF4ENIF1	-0.21246	0.254302	-1.02239	0.318885	0.443421	-5.9786
GLYCAM1	0.263322	-0.0498	1.022323	0.318918	0.443434	-5.97867
ACY1	0.248661	0.029149	1.022091	0.319024	0.44349	-5.9789
LOC73009	0.338086	-0.24607	1.022088	0.319026	0.44349	-5.9789
LOC10013	-0.29387	0.572188	-1.0217	0.319206	0.443709	-5.97929
PIP4K2C	-0.136	0.203742	-1.02148	0.319307	0.443819	-5.97951
ACTA2	-0.35907	0.725936	-1.0214	0.319342	0.443835	-5.97958
KRT26	0.337823	0.036325	1.010685	0.324955	0.449532	-5.97981
ARFGEF2	-0.1552	0.042373	-1.02092	0.319564	0.444113	-5.98006
RPN2	-0.20754	0.337163	-1.02038	0.319817	0.444432	-5.9806
LOC100506	-0.29797	0.247952	-1.00979	0.325375	0.449954	-5.98069
DHDDS	-0.14488	0.229354	-1.02012	0.319937	0.444542	-5.98086
CECR7	-0.29398	0.294249	-1.02011	0.319942	0.444542	-5.98087
MMP16	-0.39123	0.307545	-1.01992	0.320027	0.44462	-5.98106
LCN1	0.159534	-0.19728	1.01984	0.320065	0.44462	-5.98114
ZP2	-0.20346	-0.06494	-1.01983	0.320071	0.44462	-5.98115
ONECUT1	-0.22096	-0.05337	-1.01977	0.320099	0.44462	-5.98121
UBE2B	-0.25514	-0.17558	-1.01974	0.320111	0.44462	-5.98124
UBE2QL1	0.25041	0.03606	1.019246	0.320339	0.444858	-5.98173
ZNF492	-0.22694	-0.3089	-1.01922	0.320351	0.444858	-5.98175
TNNT1	0.396113	-0.01713	1.019078	0.320417	0.444919	-5.98189
HPDL	-0.25325	0.337342	-1.01889	0.320506	0.445011	-5.98208
LETM1	-0.18614	0.245239	-1.01859	0.320644	0.445115	-5.98238
LDLRAP1	0.348996	0.113295	1.018578	0.320649	0.445115	-5.98239
DDT	-0.16506	0.001248	-1.01826	0.320794	0.445285	-5.9827
HABP2	-0.17446	0.112005	-0.96625	0.346145	0.471619	-5.98272
SCAP	0.129482	-0.04645	1.017609	0.321098	0.445644	-5.98335
EIF1B	0.22379	0.192888	1.017507	0.321146	0.445678	-5.98345
PITPNM2	-0.40736	0.268408	-1.0172	0.321288	0.445844	-5.98376
KRT25	-0.26181	-0.38931	-0.93939	0.362544	0.488461	-5.98382
B3GNT9	-0.23232	0.328853	-1.01709	0.321338	0.445882	-5.98387
HDDC2	-0.2689	0.476028	-1.01644	0.321642	0.446241	-5.98452
TBC1D1	-0.1844	0.273842	-1.01497	0.322325	0.447125	-5.98597
RNASE4	0.458038	-0.09249	1.014395	0.322591	0.447394	-5.98654
VPS4A	0.110296	-0.07787	1.014368	0.322603	0.447394	-5.98656
ERGIC1	-0.28891	0.394586	-1.01434	0.322615	0.447394	-5.98659
RASGRP1	-0.24773	0.186625	-1.01433	0.322619	0.447394	-5.9866
DCAF12L1	0.420161	0.122447	1.014255	0.322656	0.447394	-5.98668
MAT2A	-0.2355	0.026713	-1.01412	0.322718	0.447402	-5.98681
IQSEC3	-0.18395	0.274721	-1.01412	0.322719	0.447402	-5.98681
WAPAL	-0.25761	-0.0138	-1.01403	0.322759	0.447402	-5.98689
BARX1	-0.20987	-0.11943	-1.014	0.322776	0.447402	-5.98693
LOC100506	-0.17548	-0.00736	-1.01389	0.322825	0.447438	-5.98703
MTMR3	-0.29937	0.238532	-1.01377	0.32288	0.447473	-5.98715
EMP1	-0.35442	0.017971	-1.01374	0.322896	0.447473	-5.98718

ZNF506	-0.17533	0.221065	-1.01349	0.323012	0.447571	-5.98743
MCM3AP-1	0.260576	-0.32971	1.013237	0.32313	0.447702	-5.98768
ZNF737	-0.20407	-0.21473	-0.92431	0.369173	0.49482	-5.98773
LOC84989	-0.14649	0.032844	-1.01287	0.323302	0.447891	-5.98805
MLF1	-0.18754	-0.07228	-1.01285	0.323312	0.447891	-5.98807
ERVW-1	-0.36576	-0.07514	-1.01257	0.323439	0.448036	-5.98834
LRRC33	0.211236	0.255399	1.011956	0.323727	0.448371	-5.98895
PRMT7	0.246119	0.110191	1.011607	0.32389	0.448565	-5.98929
BPIFC	-0.17671	-0.03441	-0.94884	0.355362	0.481499	-5.98946
MASP1	0.188753	-0.05391	1.000781	0.329597	0.45419	-5.98953
KLHL22	-0.28556	0.35012	-1.01137	0.324001	0.448687	-5.98953
ANKIB1	-0.20012	0.09407	-1.01131	0.324027	0.448692	-5.98958
ZNF554	-0.29168	0.239131	-1.01117	0.324092	0.448749	-5.98972
DCTPP1	-0.20635	0.024465	-1.01066	0.32433	0.448959	-5.99022
PTCHD2	0.139752	0.038046	1.010457	0.324427	0.449023	-5.99043
LOC400456	0.379809	-0.21632	1.010332	0.324485	0.44904	-5.99055
HSPA2	-0.36941	0.486868	-0.99963	0.330139	0.454745	-5.99065
LRRC27	-0.18031	-0.00256	-1.01015	0.324571	0.449127	-5.99073
MYOM1	-0.18123	0.221579	-1.00993	0.324672	0.449227	-5.99094
LOC284837	0.307526	0.213915	1.009896	0.324689	0.449227	-5.99098
FFAR3	0.30576	-0.32969	1.00953	0.32486	0.449432	-5.99134
C7orf63	0.255456	0.022728	0.998635	0.330609	0.455296	-5.99162
PPAPDC1B	-0.2294	0.111385	-1.00902	0.3251	0.449695	-5.99185
LOC100506	-0.08008	0.016016	-1.00898	0.325119	0.449695	-5.99189
TPD52	-0.33271	0.491711	-1.00893	0.325142	0.449695	-5.99193
CNGA3	-0.20768	0.090757	-0.99829	0.330773	0.455489	-5.99196
TAF7L	0.189864	-0.10336	1.008602	0.325294	0.449874	-5.99225
ZCCHC6	-0.239	0.275688	-1.00798	0.325584	0.45018	-5.99287
C10orf62	0.169704	-0.16328	0.969839	0.345831	0.471356	-5.99303
TFPI2	-0.55092	0.458136	-1.0078	0.32567	0.45022	-5.99305
OR3A3	0.16652	-0.26971	1.007781	0.325678	0.45022	-5.99306
ARMC7	0.183851	-0.0018	1.007757	0.325689	0.45022	-5.99309
CXorf36	-0.25986	-0.09785	-1.00772	0.325705	0.45022	-5.99312
CTCF	-0.18005	0.227556	-1.00756	0.325782	0.450263	-5.99328
TYRP1	-0.17884	0.099884	-0.98443	0.338047	0.463391	-5.9933
ETV1	0.233257	-0.12292	1.007444	0.325836	0.450306	-5.99339
ABHD15	-0.28247	0.538588	-1.00704	0.326024	0.450533	-5.99379
TRIM48	-0.18598	-0.22023	-0.95422	0.352038	0.478008	-5.99401
SYCP3	0.245004	-0.0254	0.996125	0.331796	0.456609	-5.99407
HYOU1	0.228985	0.082685	1.00664	0.326213	0.450731	-5.99418
S100B	-0.41632	0.172967	-0.9685	0.34648	0.471945	-5.9943
CDC6	-0.58828	1.009346	-1.00646	0.326295	0.450781	-5.99436
C16orf52	-0.20798	0.110587	-1.00628	0.326382	0.450847	-5.99454
LOC100287	-0.18159	0.072937	-1.00626	0.326389	0.450847	-5.99455
DHX35	-0.20784	0.074188	-1.00599	0.326519	0.450995	-5.99483
C18orf1	-0.14897	-0.30258	-1.00576	0.326626	0.45111	-5.99505
VIPR2	0.328539	-0.08269	1.005626	0.326688	0.451156	-5.99518

MDH2	-0.21084	0.117073	-1.00538	0.326803	0.45126	-5.99542
NRXN1	0.270608	-0.48977	0.982134	0.339148	0.464542	-5.99551
BOLA1	0.205141	-0.05229	1.00521	0.326884	0.45134	-5.99559
FKBP11	0.309858	0.25799	1.005141	0.326916	0.451353	-5.99566
LRP8	0.247571	0.11783	1.005082	0.326944	0.451359	-5.99571
CDC25C	-0.41677	0.666925	-0.98167	0.33937	0.464749	-5.99595
HAUS8	-0.22824	0.311628	-1.00478	0.327086	0.451524	-5.99601
GCC1	-0.19569	0.297201	-1.00472	0.327116	0.451533	-5.99607
USP25	-0.24084	0.098373	-1.00456	0.327189	0.451595	-5.99623
GOLGA6C	0.249171	-0.01104	1.004522	0.327207	0.451595	-5.99626
TREH	-0.10425	0.026843	-1.00442	0.327256	0.451631	-5.99637
HERC6	0.486737	-0.12291	1.003962	0.32747	0.451895	-5.99681
THOP1	0.221472	0.148636	1.003807	0.327543	0.451963	-5.99696
LOC100128	0.126808	0.018112	0.993105	0.333227	0.458257	-5.997
FGF1	0.390841	-0.1419	1.003255	0.327803	0.45229	-5.99751
SYNJ2	0.210453	-0.06044	1.003046	0.327901	0.452394	-5.99771
NIPAL2	0.166523	-0.24628	1.002941	0.32795	0.45243	-5.99781
PDIA3	-0.21872	0.174393	-1.00226	0.328272	0.452838	-5.99848
TFAM	-0.31516	-0.01619	-1.00221	0.328292	0.452838	-5.99852
GLS	0.216713	-0.30148	1.001995	0.328396	0.452899	-5.99874
PTGFRN	-0.21414	0.193763	-1.00198	0.328405	0.452899	-5.99876
LOC100130	0.298223	0.153565	0.991284	0.334092	0.459157	-5.99876
ZNF788	-0.24391	0.108792	-1.00196	0.328413	0.452899	-5.99877
CLOCK	-0.20895	0.47936	-1.00192	0.328429	0.452899	-5.99881
SLC10A2	-0.2141	-0.16252	-0.93865	0.360426	0.486478	-5.99888
TCEAL5	-0.25581	0.032966	-0.99074	0.334352	0.459385	-5.99929
ZNF266	-0.19015	0.017544	-1.0014	0.328676	0.453207	-5.99932
ERV9-1	0.375558	-0.22917	0.938157	0.360675	0.486713	-5.99934
KIAA0664	-0.22342	0.413669	-1.00078	0.32897	0.45358	-5.99993
RANBP3L	-0.18514	0.097153	-1.00059	0.32906	0.453673	-6.00012
TLR7	0.297349	0.093307	1.000457	0.329121	0.453725	-6.00024
AMACR	-0.35832	0.274971	-1.00022	0.329231	0.453845	-6.00047
INTS1	0.129613	-0.20845	0.976906	0.34166	0.467035	-6.00051
TAF9B	-0.12461	0.027874	-1.0001	0.329289	0.453894	-6.00059
MOCS2	-0.43095	0.522622	-0.99998	0.329345	0.453938	-6.00071
FLJ38668	-0.17601	-0.01072	-0.99954	0.329556	0.454165	-6.00114
CTAG1A	-0.38189	-0.64255	-0.52356	0.61342	0.718893	-6.00128
MTA2	0.184708	-0.03107	0.999335	0.329651	0.454232	-6.00134
TRIAP1	-0.3309	-0.12117	-0.99918	0.329726	0.454303	-6.00149
C15orf34	-0.19957	-0.08274	-0.9878	0.335751	0.460823	-6.00213
POLH	-0.12796	-0.024	-0.99852	0.330037	0.454669	-6.00214
GRID2	0.126054	-0.17381	0.997994	0.330285	0.454913	-6.00265
TRA2B	-0.21712	0.025327	-0.99656	0.330962	0.455718	-6.00404
C17orf87	-0.25953	0.369253	-0.9965	0.330993	0.455728	-6.00411
LOC100128	0.170764	-0.04039	0.996421	0.331029	0.455746	-6.00418
KCNJ3	0.297424	-0.27379	0.996353	0.331061	0.455759	-6.00425
LGALS14	-0.18273	-0.19594	-0.98555	0.336828	0.461977	-6.00431

TPM1	-0.37923	0.668604	-0.99553	0.331451	0.456263	-6.00505
ANO4	0.344133	0.131229	0.995275	0.331572	0.456398	-6.00529
CTXN2	-0.20738	0.037771	-0.995	0.331703	0.456546	-6.00556
ERCC6	-0.18083	0.163006	-0.99495	0.331728	0.456548	-6.00561
ONECUT2	0.196972	-0.02584	0.994726	0.331833	0.456628	-6.00583
NOS1AP	-0.37269	0.120188	-0.98384	0.337644	0.462934	-6.00595
SAP130	0.190145	-0.20165	0.994249	0.332059	0.456894	-6.00629
MAPK8	-0.21269	0.069324	-0.99422	0.332072	0.456894	-6.00632
KCTD4	-0.31018	-0.04971	-0.9934	0.332462	0.457377	-6.00712
RSPH3	-0.22895	0.254843	-0.99315	0.332581	0.457498	-6.00736
RPH3AL	-0.24112	0.165239	-0.99306	0.332626	0.457527	-6.00745
LOC100500	0.187795	-0.17322	0.992374	0.33295	0.45794	-6.00811
FER1L5	0.132269	0.042165	0.981206	0.338908	0.464278	-6.00848
VPRBP	-0.32356	0.679606	-0.99191	0.33317	0.458211	-6.00856
ZNF740	0.244102	0.009515	0.927886	0.365834	0.491506	-6.00873
AMOTL1	-0.07261	0.014521	-0.99168	0.33328	0.458298	-6.00879
AADACL2	-0.19394	-0.02187	-0.99163	0.333305	0.4583	-6.00884
ATP5A1	0.184133	-0.18055	0.991385	0.333421	0.458427	-6.00907
CD209	0.128721	-0.13042	0.991179	0.333519	0.458529	-6.00927
ULBP3	-0.25679	-0.09351	-0.96765	0.346135	0.471619	-6.00932
C10orf53	-0.24748	0.017151	-0.99061	0.333788	0.458842	-6.00982
AP2B1	-0.23463	0.338848	-0.9906	0.333793	0.458842	-6.00983
HSBP1L1	-0.35889	0.263407	-0.9905	0.333843	0.458856	-6.00993
SCAF8	-0.20771	0.126944	-0.99048	0.33385	0.458856	-6.00995
NEDD1	0.212555	-0.08611	0.989903	0.334127	0.459172	-6.01051
CNTD2	0.118535	-0.05125	0.989554	0.334293	0.459368	-6.01085
KIAA1161	0.185104	-0.12399	0.978719	0.340104	0.465461	-6.01087
EFCAB6	-0.23441	0.196295	-0.98949	0.334322	0.459376	-6.0109
GINS1	0.295421	-0.38479	0.989286	0.334421	0.459448	-6.0111
MRPL12	-0.20632	0.24956	-0.98914	0.33449	0.45951	-6.01124
ZNF382	-0.43669	0.52558	-0.98908	0.33452	0.45952	-6.01131
ARVCF	0.219274	-0.11301	0.988583	0.334757	0.459812	-6.01178
CAMSAP2	-0.4899	0.274627	-0.98852	0.334786	0.45982	-6.01184
RASSF4	-0.31201	0.344165	-0.98843	0.334831	0.459849	-6.01193
LOXHD1	-0.35503	0.660837	-0.98836	0.334862	0.45986	-6.012
DVL1	0.152008	0.07336	0.988175	0.334951	0.459951	-6.01218
LGI4	-0.17456	0.187414	-0.98799	0.33504	0.46004	-6.01236
SIRT1	-0.2874	-0.10787	-0.98761	0.335219	0.460254	-6.01272
EFNA4	-0.16659	0.340085	-0.9873	0.33537	0.460428	-6.01303
ATP6V0B	-0.1915	0.029436	-0.98714	0.335445	0.4605	-6.01318
ZNF524	0.163749	-0.07836	0.986733	0.335641	0.460736	-6.01357
CYP2A13	0.203139	-0.29381	0.986567	0.33572	0.460812	-6.01373
LOC400651	0.184501	0.036182	0.922261	0.368681	0.49445	-6.01384
SNAP29	0.145552	-0.13392	0.985972	0.336005	0.461138	-6.01431
B2M	-0.25926	0.129543	-0.98561	0.336177	0.461343	-6.01465
SPRR2G	-0.1153	-0.2148	-0.9746	0.342092	0.467528	-6.01481
SLCO5A1	0.168994	0.027474	0.984901	0.336518	0.461745	-6.01534

ARRB1	0.324664	0.369197	0.984832	0.33655	0.461755	-6.0154
DCK	-0.34624	-0.00159	-0.98479	0.336572	0.461755	-6.01545
RAD23A	0.390975	0.335198	0.98473	0.3366	0.461761	-6.0155
SUMO2	-0.21118	0.164598	-0.98465	0.336637	0.46178	-6.01558
CASP14L	-0.28224	-0.06548	-0.9308	0.363717	0.489769	-6.01565
ARSI	0.200974	-0.10805	0.98432	0.336796	0.461965	-6.0159
DIO1	-0.23559	0.103523	-0.98409	0.336906	0.462042	-6.01612
MMP9	-0.41847	0.351431	-0.98402	0.33694	0.462042	-6.01619
LGALS7	0.208323	-0.42763	0.984008	0.336946	0.462042	-6.0162
CLDN23	0.391453	-0.16833	0.851992	0.406155	0.531504	-6.01642
GNE	0.197253	-0.38466	0.983498	0.33719	0.462345	-6.01669
TLR3	0.236332	-0.36331	0.784513	0.446945	0.570406	-6.01726
LHCGR	-0.23784	-0.27674	-0.94394	0.358527	0.484548	-6.01731
SERPINA2	-0.14079	-0.01703	-0.98172	0.338045	0.463391	-6.0184
AFF3	-0.34729	-0.24188	-0.98171	0.338048	0.463391	-6.01841
UPK3A	0.174998	-0.0037	0.981553	0.338124	0.463463	-6.01856
LOC100130	0.126734	-0.06263	0.970607	0.344025	0.469514	-6.01861
QPCT	-0.45573	0.490196	-0.98126	0.338266	0.463625	-6.01884
ZNF541	-0.28007	0.258642	-0.981	0.338392	0.463759	-6.01909
LRRTM2	-0.24326	-0.14264	-0.96985	0.344393	0.469765	-6.01933
FOXA3	0.217831	-0.10137	0.980642	0.338563	0.463934	-6.01943
RAB25	0.429205	-0.13205	0.915879	0.371928	0.49758	-6.0196
LPIN1	0.425415	0.074114	0.980358	0.338699	0.464064	-6.01971
RAB31L1	0.623438	-0.44409	0.980346	0.338705	0.464064	-6.01972
C20orf144	0.169875	-0.35499	0.97998	0.338881	0.464273	-6.02007
MMP21	0.238102	-0.24957	0.940667	0.360155	0.486211	-6.02033
ZNF445	-0.32537	0.073365	-0.97956	0.339083	0.464485	-6.02047
LSS	-0.22697	0.331439	-0.97916	0.339276	0.464685	-6.02086
AMBN	-0.26199	0.179416	-0.97905	0.339327	0.464721	-6.02096
PLSCR4	-0.59148	0.31488	-0.96802	0.345281	0.470802	-6.02106
SEMA3A	0.183305	-0.00948	0.978807	0.339446	0.46482	-6.02119
SLC37A4	0.161567	0.002915	0.978703	0.339496	0.464856	-6.02129
C2CD2	-0.15129	0.034894	-0.97852	0.339587	0.464947	-6.02147
WDR46	0.205313	0.00409	0.978328	0.339677	0.465038	-6.02165
SNX16	-0.41762	-0.04202	-0.97818	0.339749	0.465105	-6.02179
GPC3	-0.41065	0.596747	-0.97768	0.339988	0.4654	-6.02227
CMTM8	-0.28066	0.287224	-0.97754	0.340056	0.465429	-6.0224
AFF1	-0.44968	0.424028	-0.97754	0.340057	0.465429	-6.02241
FADS2	-0.16262	0.039833	-0.9771	0.340268	0.465653	-6.02282
SLIT2	0.252477	-0.58631	0.65865	0.523833	0.640778	-6.02294
ZNF540	0.273771	-0.13552	0.817408	0.426603	0.551413	-6.02295
SLBP	-0.18851	0.073533	-0.97693	0.34035	0.465732	-6.02299
FDXACB1	-0.42337	0.558166	-0.97654	0.340539	0.465861	-6.02336
CRMP1	0.21197	-0.02744	0.976307	0.340653	0.46597	-6.02359
GDF11	0.360073	0.150644	0.976279	0.340666	0.46597	-6.02361
C10orf128	-0.25686	0.109721	-0.97619	0.340709	0.465996	-6.0237
LOC100180	0.128317	-0.06474	0.975696	0.340948	0.466273	-6.02417

SH3TC2	0.451557	0.386632	0.975672	0.34096	0.466273	-6.02419
IMP5	-0.26519	0.072106	-0.97555	0.341019	0.466322	-6.02431
LOC100281	0.232596	-0.64132	0.685604	0.506138	0.625402	-6.02437
PMCH	-0.20037	-0.17335	-0.92111	0.368622	0.494407	-6.02445
AFAP1L1	-0.35113	0.291496	-0.9753	0.341139	0.466454	-6.02455
SGPP2	0.237728	0.054068	0.975067	0.341252	0.466576	-6.02477
NKRF	0.237443	-0.31766	0.974551	0.341502	0.466853	-6.02526
ADCK5	-0.19078	0.284424	-0.9741	0.34172	0.467084	-6.02569
C1orf105	0.195861	-0.04894	0.973808	0.341861	0.467246	-6.02597
DEFB127	0.394834	-0.72897	0.64796	0.531801	0.647614	-6.02599
MBL1P	0.183421	-0.10837	0.89596	0.382885	0.508626	-6.02621
PPM1E	0.231692	0.079891	0.973238	0.342138	0.467551	-6.02651
PANX2	-0.28426	0.53338	-0.9732	0.342156	0.467551	-6.02655
NEUROD6	-0.24666	0.17594	-0.908	0.375962	0.501471	-6.02666
ASNA1	-0.09607	0.192937	-0.97304	0.342236	0.467627	-6.02671
CHRNA5	0.157086	-0.1441	0.961485	0.348471	0.474019	-6.02724
ZFAND4	-0.21376	0.052746	-0.97241	0.342539	0.468009	-6.0273
SYNM	0.356524	0.004998	0.972328	0.342579	0.46803	-6.02738
SEMA4D	-0.28039	0.403672	-0.97218	0.342649	0.468093	-6.02752
SLC25A27	0.236016	-0.38328	0.948065	0.355745	0.481805	-6.02771
LOC100128	0.264506	-0.65603	0.770977	0.454648	0.57732	-6.02774
CORO2B	0.409935	-0.05426	0.97182	0.342825	0.468302	-6.02787
C10orf118	-0.41621	0.440531	-0.91725	0.370592	0.496301	-6.02794
DPM3	0.125192	-0.20474	0.971672	0.342897	0.468367	-6.02801
KIAA1755	0.139784	-0.12146	0.947271	0.356139	0.482186	-6.02845
PRKAG3	-0.36415	0.357273	-0.9601	0.349148	0.47482	-6.02854
BATF3	-0.2519	0.138301	-0.9711	0.343174	0.46869	-6.02855
RARA	-0.23838	0.42106	-0.97109	0.343181	0.46869	-6.02856
C1QTNF1	-0.15013	0.144385	-0.97099	0.343228	0.468721	-6.02865
KIF6	-0.17148	0.064675	-0.97091	0.34327	0.468731	-6.02874
USP44	0.252178	-0.37339	0.970877	0.343283	0.468731	-6.02876
RNF214	0.272641	-0.06901	0.915994	0.371231	0.496987	-6.02907
CEP72	-0.27186	0.197785	-0.97007	0.343673	0.469219	-6.02953
ZNF323	-0.29941	0.153604	-0.97004	0.343688	0.469219	-6.02955
SFMBT2	0.189928	-0.24923	0.95897	0.349704	0.475378	-6.02961
APEX1	-0.28456	0.350654	-0.96977	0.343824	0.469371	-6.02982
CDK17	-0.3902	0.142265	-0.91488	0.3718	0.49751	-6.03007
ATIC	0.31669	-0.01703	0.969484	0.343961	0.469514	-6.03009
PDDC1	-0.18446	0.325787	-0.96931	0.344043	0.469514	-6.03025
VAV3	-0.28835	0.024066	-0.96919	0.344102	0.469544	-6.03036
BEND5	-0.41546	0.707144	-0.96916	0.344118	0.469544	-6.03039
ASTN1	-0.21969	0.088562	-0.96902	0.344184	0.469601	-6.03052
CLTC	-0.28799	-0.18406	-0.96894	0.344228	0.469628	-6.03061
FAM162B	-0.29171	0.252455	-0.96876	0.344313	0.469711	-6.03077
SCN7A	-0.11111	0.042031	-0.96858	0.3444	0.469765	-6.03094
RPL24	0.438856	-0.1377	0.968335	0.34452	0.469896	-6.03118
CD276	-0.17344	0.010138	-0.96753	0.34491	0.470396	-6.03194

RPS6KA2	0.218068	-0.19077	0.967198	0.345074	0.470586	-6.03226
PDE1A	0.354682	0.028332	0.966902	0.345218	0.47075	-6.03254
RET	-0.29449	0.385197	-0.9666	0.345363	0.470882	-6.03282
TMEM17	0.246834	-0.33083	0.926966	0.36702	0.49273	-6.0329
SOCS7	0.18424	-0.17594	0.966235	0.345543	0.471095	-6.03317
GALR2	0.182726	-0.02017	0.966128	0.345596	0.471108	-6.03327
C16orf88	-0.30131	0.438969	-0.96612	0.345601	0.471108	-6.03328
POM121L1	-0.1644	-0.20076	-0.94175	0.358881	0.484893	-6.03356
HLA-A	-0.28468	0.271808	-0.96581	0.34575	0.471278	-6.03357
PRDM9	-0.31219	0.041353	-0.96527	0.346016	0.471576	-6.03408
PRNP	-0.1802	-0.11226	-0.96507	0.346111	0.471619	-6.03427
PTK6	-0.22455	0.251267	-0.96495	0.346171	0.471623	-6.03439
CACNG2	0.138509	-0.15248	0.940769	0.359371	0.485455	-6.03447
PDCD2	-0.31446	0.24136	-0.96477	0.346261	0.471712	-6.03456
PDE9A	0.5299	0.025807	0.964466	0.346407	0.471879	-6.03484
C6orf112	0.361032	-0.24085	0.940164	0.359673	0.485795	-6.03503
HELQ	0.28309	0.054247	0.964102	0.346586	0.472056	-6.03519
HESX1	0.299221	-0.20981	0.939909	0.3598	0.48585	-6.03526
WHSC2	-0.20473	0.087952	-0.96388	0.346696	0.472174	-6.0354
MYOM3	-0.21973	-0.18037	-0.96349	0.346884	0.472397	-6.03576
BSN	0.193035	-0.10857	0.963346	0.346955	0.472461	-6.0359
DDHD1	-0.35506	0.226164	-0.9632	0.347025	0.472524	-6.03604
TNFSF15	-0.46547	0.265791	-0.96287	0.347186	0.472709	-6.03635
CARD9	-0.2956	0.510061	-0.96261	0.347315	0.472852	-6.03659
DMXL2	-0.22278	0.10789	-0.96247	0.347383	0.47288	-6.03673
WDR90	-0.18809	0.279684	-0.96199	0.347618	0.473134	-6.03718
METAP2	-0.34648	-0.13194	-0.96169	0.347765	0.473301	-6.03746
SNTA1	-0.25337	0.302645	-0.96137	0.347923	0.473483	-6.03776
CLEC2D	0.26444	-0.15894	0.961188	0.348012	0.473571	-6.03794
SLC14A2	-0.13125	-0.03674	-0.9611	0.348054	0.473595	-6.03802
LOC349160	-0.08824	0.017648	-0.96092	0.348143	0.473684	-6.03819
IL1RL2	0.316792	-0.13033	0.905777	0.376478	0.502056	-6.03822
RAPGEF5	0.161614	0.038332	0.949255	0.354494	0.48064	-6.0387
GRSF1	-0.16589	-0.09797	-0.96032	0.348436	0.474019	-6.03875
DEFB114	0.348455	0.035927	0.960261	0.348467	0.474019	-6.03881
LRRC3B	0.178753	0.003697	0.960221	0.348486	0.474019	-6.03885
LOC339260	0.164543	0.028814	0.959529	0.348826	0.474448	-6.0395
RC3H2	-0.23838	0.236301	-0.95943	0.348875	0.474482	-6.03959
XIAP	-0.27584	0.146773	-0.89336	0.38354	0.509186	-6.03963
PCGF6	0.409794	-0.44722	0.823135	0.424363	0.549089	-6.03998
C11orf61	-0.25925	0.302694	-0.95881	0.349179	0.474829	-6.04017
KLK15	0.135703	-0.05604	0.958318	0.349422	0.475093	-6.04064
IRX5	-0.25439	-0.13	-0.9582	0.34948	0.47514	-6.04075
POLR3G	-0.24184	-0.02894	-0.95809	0.349534	0.475181	-6.04085
RPSA	-0.18756	-0.04755	-0.95759	0.34978	0.475449	-6.04132
RASGEF1C	0.204473	-0.40291	0.957512	0.349818	0.475467	-6.04139
LOC100500	-0.24008	0.178557	-0.95739	0.349877	0.475514	-6.04151

LARGE	0.261584	-0.13231	0.957323	0.349911	0.475528	-6.04157
GBP4	-0.55927	0.796777	-0.95697	0.350084	0.475729	-6.0419
TSPY26P	0.229544	-0.07779	0.820873	0.42317	0.548169	-6.04212
PRKCQ	0.40524	0.081258	0.956525	0.350304	0.475971	-6.04232
LINC00483	0.15117	-0.23772	0.956512	0.35031	0.475971	-6.04233
IL27RA	0.253407	0.313288	0.956074	0.350526	0.476232	-6.04274
KLF10	0.405147	0.000931	0.93169	0.363918	0.48984	-6.04282
C7orf43	0.185057	0.01546	0.955511	0.350803	0.476568	-6.04327
FASTKD2	-0.31882	-0.00145	-0.95547	0.350823	0.476568	-6.04331
SCTR	0.176584	-0.42606	0.806842	0.431688	0.55615	-6.04335
SCP2	-0.21712	-0.18264	-0.95528	0.350917	0.476664	-6.04349
CCDC15	-0.22685	-0.23533	-0.95523	0.350945	0.476668	-6.04354
TBL3	-0.18109	0.348724	-0.95461	0.35125	0.477049	-6.04412
MRVI1	-0.51529	-0.03891	-0.95401	0.351546	0.477418	-6.04468
FGF5	0.454687	0.272812	0.953838	0.351629	0.477498	-6.04484
WDR67	-0.28142	0.403453	-0.95298	0.352053	0.478008	-6.04564
SRSF8	0.230983	0.005984	0.952315	0.352382	0.478421	-6.04626
TTY14	-0.34884	-0.30417	-0.95207	0.352505	0.478554	-6.0465
RPL23AP7	-0.24262	0.340102	-0.95168	0.352695	0.478747	-6.04685
SNAP91	-0.18718	-0.01687	-0.88505	0.387886	0.513827	-6.04691
FHAD1	0.196649	-0.10244	0.951599	0.352736	0.47875	-6.04693
KIAA0513	-0.20431	0.143693	-0.95158	0.352746	0.47875	-6.04695
INHA	0.221872	-0.0084	0.951428	0.352821	0.478818	-6.04709
PCYT2	-0.18527	0.287934	-0.95126	0.352906	0.4789	-6.04725
TRIM4	-0.31012	0.332644	-0.95076	0.353152	0.479201	-6.04772
ZNF420	0.34523	-0.85948	0.62018	0.547926	0.661618	-6.04784
CEP120	-0.32853	-0.12462	-0.95051	0.353275	0.479335	-6.04795
ZNF682	0.256779	0.154067	0.950094	0.353482	0.479582	-6.04834
PRR24	-0.18227	0.354598	-0.9497	0.353676	0.479812	-6.0487
DCDC5	0.141548	-0.27474	0.893893	0.382642	0.508407	-6.04874
ADH4	0.235521	-0.51027	0.854463	0.405567	0.531124	-6.0489
NAT6	0.325553	-0.2607	0.949425	0.353813	0.479947	-6.04896
CNTROB	0.126238	-0.01561	0.949403	0.353824	0.479947	-6.04898
KIAA1279	-0.2465	0.253547	-0.94935	0.353849	0.479948	-6.04903
ADAMTS5	0.306712	-0.84246	0.882346	0.389308	0.515168	-6.04927
UNC5CL	-0.18569	0.13731	-0.94892	0.354066	0.480208	-6.04943
SLFN11	0.193664	-0.10381	0.94867	0.354187	0.48034	-6.04966
MPP6	-0.37994	0.40883	-0.94804	0.354503	0.48064	-6.05025
LRFN1	0.16866	-0.13874	0.948027	0.354507	0.48064	-6.05026
PGM5	-0.16762	-0.14197	-0.94784	0.354601	0.480734	-6.05044
CD68	0.272187	-0.14737	0.947582	0.354728	0.480862	-6.05068
GREM2	0.160877	-0.32372	0.947548	0.354745	0.480862	-6.05071
THPO	0.140063	-0.02798	0.947338	0.354849	0.48097	-6.0509
C2orf15	-0.30542	-0.22003	-0.86727	0.397965	0.523759	-6.05113
MTNR1B	0.214239	-0.22451	0.891099	0.3841	0.509723	-6.05119
TGFB111	0.351946	0.376416	0.946882	0.355076	0.481244	-6.05133
MAOB	-0.29652	0.517886	-0.94682	0.355107	0.481253	-6.05138

C1orf95	0.159387	-0.1903	0.879827	0.390635	0.516436	-6.05145
RPL4	0.343693	-0.41158	0.946599	0.355216	0.481369	-6.05159
ODZ4	0.275685	-0.22868	0.946387	0.355322	0.481478	-6.05179
CFHR2	-0.18272	0.003608	-0.94613	0.355451	0.481587	-6.05203
LOXL4	-0.24499	0.128514	-0.94606	0.355486	0.4816	-6.05209
PROZ	0.428538	0.3196	0.921322	0.369158	0.49482	-6.05226
EVC	0.302486	-0.21046	0.945819	0.355605	0.481728	-6.05231
HP1BP3	-0.13219	0.114943	-0.94554	0.355741	0.481805	-6.05257
SSR3	-0.47498	0.381765	-0.94552	0.355755	0.481805	-6.0526
DCAF8	-0.27969	-0.00867	-0.94544	0.355792	0.481805	-6.05266
OR7E91P	-0.17356	-0.23819	-0.94541	0.355806	0.481805	-6.05269
SPTBN5	-0.22039	0.402703	-0.94541	0.355809	0.481805	-6.0527
SVOPL	0.293372	-0.06198	0.849901	0.408023	0.533414	-6.05274
PLA2G12A	-0.23009	0.469291	-0.94512	0.355952	0.481965	-6.05296
TDRD1	0.170656	-0.03283	0.944532	0.356245	0.482296	-6.05351
KIAA0090	0.201359	-0.18446	0.944303	0.356359	0.482417	-6.05372
HAB1	-0.3363	0.215181	-0.94424	0.356392	0.482427	-6.05378
DARS2	-0.35231	0.326272	-0.93286	0.36268	0.48861	-6.05385
PTPRN2	-0.5145	0.436997	-0.94371	0.356657	0.482753	-6.05427
ZNF556	0.183926	0.008516	0.918825	0.370427	0.496147	-6.05452
CLEC1A	-0.4163	0.298297	-0.94324	0.356887	0.483031	-6.0547
C2CD4B	-0.30718	0.399844	-0.94305	0.356984	0.483106	-6.05488
MYLK	0.503535	0.259187	0.943035	0.356992	0.483106	-6.0549
SSBP2	-0.2182	0.555492	-0.94296	0.35703	0.483125	-6.05497
IGFBP2	0.259293	-0.06068	0.942753	0.357133	0.48323	-6.05516
C1orf65	-0.1951	0.027312	-0.94265	0.357184	0.483266	-6.05525
HCG9	0.257188	0.247245	0.942409	0.357304	0.483396	-6.05548
AP2M1	-0.18514	0.461232	-0.94221	0.357404	0.483497	-6.05566
MTA3	-0.42765	0.531792	-0.94199	0.357513	0.483611	-6.05586
TXLNB	-0.43354	0.561063	-0.94185	0.357584	0.483674	-6.056
CNTN1	0.13681	-0.21929	0.94148	0.357768	0.48389	-6.05634
YIPF3	-0.15319	0.263766	-0.94124	0.357886	0.483978	-6.05655
PAX9	0.147176	-0.28622	0.94121	0.357903	0.483978	-6.05659
SMTN	-0.29383	0.464501	-0.9412	0.357908	0.483978	-6.05659
PRG3	-0.61305	0.415615	-0.9411	0.35796	0.483984	-6.05669
PSD3	-0.36131	0.050708	-0.94109	0.357961	0.483984	-6.05669
MFAP4	-0.2174	0.325189	-0.92966	0.364292	0.490217	-6.05678
CATSPER2	0.219408	-0.05443	0.940977	0.35802	0.484029	-6.0568
GABARAP	-0.19531	0.373667	-0.94078	0.35812	0.484132	-6.05699
HIVEP1	-0.25011	0.131917	-0.94034	0.358338	0.484392	-6.05739
CCDC109B	0.287939	-0.3195	0.940286	0.358365	0.484396	-6.05744
RTEL1	-0.13919	0.259274	-0.94016	0.358427	0.484446	-6.05755
PYROXD2	0.259327	-0.00919	0.93982	0.358598	0.484611	-6.05787
CKAP2	-0.2455	-0.01029	-0.87237	0.394582	0.520391	-6.0579
LOC44117	0.196367	-0.16166	0.883329	0.388177	0.514123	-6.05798
LZTS1	0.226169	-0.04055	0.939696	0.35866	0.484661	-6.05798
C12orf29	0.220004	-0.52613	0.938964	0.359027	0.485056	-6.05866

EDAR	-0.44344	0.252145	-0.88219	0.388777	0.514709	-6.05897
PCGF1	0.104146	-0.03338	0.938305	0.359357	0.485455	-6.05927
STRA8	-0.1463	0.030799	-0.92664	0.36582	0.491506	-6.05954
JMJD4	-0.24303	0.215313	-0.93785	0.359586	0.485711	-6.05969
ASB10	0.189173	-0.12161	0.937579	0.359721	0.485826	-6.05994
LINC00165	0.158816	-0.19222	0.896735	0.382483	0.508299	-6.06004
USP31	0.227915	-0.1184	0.937432	0.359795	0.48585	-6.06007
DMXL1	-0.31397	-0.01059	-0.9374	0.359813	0.48585	-6.0601
TMEM81	-0.26382	0.561002	-0.93713	0.359944	0.485994	-6.06035
HINT1	-0.45639	-0.47298	-0.93699	0.360019	0.486061	-6.06048
LOC10013	-0.1761	0.176476	-0.93656	0.360232	0.486282	-6.06087
LOC10012	-0.21252	0.122014	-0.93638	0.360322	0.48637	-6.06104
GAPVD1	-0.34177	0.572126	-0.93612	0.360454	0.486482	-6.06128
ERCC2	0.229646	0.06865	0.93572	0.360654	0.486713	-6.06165
NDRG1	-0.33919	0.403904	-0.93551	0.360759	0.486793	-6.06184
ENC1	0.256013	-0.14509	0.935344	0.360843	0.486826	-6.06199
SLC26A4	-0.2471	-0.02433	-0.93532	0.360858	0.486826	-6.06202
TPST1	-0.56361	0.358918	-0.93531	0.360859	0.486826	-6.06202
LOC10050	-0.15479	0.003604	-0.92345	0.367436	0.493153	-6.06244
YAP1	0.065991	-0.0132	0.934787	0.361123	0.487149	-6.06251
ZNF273	-0.06598	0.013195	-0.93464	0.361196	0.487214	-6.06264
SLAMF6	-0.33552	0.549685	-0.93439	0.361325	0.487355	-6.06287
TSKS	0.384493	0.276598	0.934207	0.361415	0.487442	-6.06304
PDRG1	0.167221	-0.14737	0.934138	0.36145	0.487455	-6.0631
EXTL3	-0.29123	0.397382	-0.93409	0.361474	0.487455	-6.06315
PPP1CC	-0.26691	-0.02108	-0.9337	0.36167	0.487685	-6.0635
ABCA4	0.29676	-0.01686	0.876947	0.391546	0.517257	-6.06352
NEXN	-0.29659	0.313346	-0.93344	0.361802	0.487808	-6.06374
ARPP21	0.296183	-0.09291	0.933415	0.361813	0.487808	-6.06377
CREB1	-0.3521	0.503515	-0.93337	0.361835	0.487808	-6.06381
LOC79015	0.246287	-0.09481	0.933027	0.362009	0.487984	-6.06412
TUBD1	-0.15928	0.210595	-0.93301	0.362016	0.487984	-6.06413
GTF2IRD1	0.068844	-0.53488	0.172198	0.866447	0.915952	-6.06458
PICK1	-0.26851	0.336376	-0.93242	0.362317	0.488323	-6.06468
LMNB2	0.21839	0.044261	0.932351	0.362349	0.488333	-6.06474
UFSP2	0.179059	-0.07537	0.932025	0.362514	0.488461	-6.06504
TF	0.242927	0.037545	0.932022	0.362515	0.488461	-6.06504
HAL	0.419126	0.181633	0.931976	0.362539	0.488461	-6.06509
GREB1L	0.261458	-0.2481	0.920138	0.369118	0.49482	-6.06544
FAM174A	0.454051	0.177147	0.91998	0.369198	0.49482	-6.06558
PROX2	0.304923	-0.03938	0.874486	0.392851	0.518717	-6.06565
ZNF813	0.296847	-0.02144	0.931242	0.362909	0.488885	-6.06576
PCSK9	0.218386	-0.23513	0.930602	0.363231	0.489286	-6.06634
MLLT6	-0.14869	0.299594	-0.93004	0.363515	0.489635	-6.06686
GLI1	0.26208	0.01492	0.918501	0.369951	0.495646	-6.06692
SLC16A4	-0.15101	-0.05169	-0.9299	0.363585	0.489695	-6.06698
ZBBX	-0.30671	0.139063	-0.92978	0.363649	0.489748	-6.0671

PRICKLE1	-0.31807	0.529574	-0.9297	0.363689	0.489767	-6.06717
TXNDC2	-0.16916	0.00958	-0.9296	0.36374	0.489769	-6.06726
TTLL1	-0.19445	0.314504	-0.92951	0.363784	0.489794	-6.06734
RIPPLY1	0.222938	0.1063	0.929452	0.363813	0.4898	-6.06739
SLC38A10	-0.16383	0.245145	-0.9294	0.363839	0.489802	-6.06744
LOC401010	0.124396	-0.14356	0.929312	0.363883	0.489827	-6.06752
RASA3	0.242027	0.142457	0.928981	0.36405	0.489985	-6.06782
IL21	0.172208	-0.05512	0.928801	0.364142	0.490074	-6.06799
HLA-DRB4	1.107884	-1.37717	0.928477	0.364305	0.490217	-6.06829
OTOL1	-0.13441	0.016475	-0.92844	0.364323	0.490217	-6.06832
EMP3	0.169917	0.042816	0.928351	0.364369	0.490246	-6.0684
MRFAP1	-0.16722	0.014347	-0.9283	0.364396	0.490248	-6.06845
EXD2	-0.17093	0.002989	-0.92819	0.364449	0.490286	-6.06855
TPO	0.182023	-0.6252	0.43158	0.675326	0.768959	-6.06864
ADRA1B	0.20945	-0.28729	0.928074	0.364509	0.490307	-6.06865
SSR4P1	-0.43123	0.394745	-0.92806	0.364515	0.490307	-6.06866
GPX5	0.214212	-0.15672	0.927921	0.364587	0.490358	-6.06879
C11orf35	0.141978	-0.02572	0.92789	0.364602	0.490358	-6.06882
CPNE4	0.200124	-0.17728	0.902405	0.378848	0.50453	-6.06925
NUDT16	-0.25823	-0.09356	-0.92725	0.364928	0.490762	-6.06941
ZNF428	-0.19358	0.185699	-0.92714	0.36498	0.490798	-6.0695
PAQR3	-0.31117	-0.24014	-0.92688	0.365112	0.490888	-6.06974
OR2A9P	-0.27812	0.130769	-0.92687	0.365117	0.490888	-6.06975
MGAT1	0.151514	-0.08441	0.926864	0.365122	0.490888	-6.06976
SLC16A1	0.135054	-0.27043	0.926691	0.36521	0.490972	-6.06991
RHPN2	0.199476	-0.18681	0.914903	0.371789	0.49751	-6.07017
DIAPH3	0.170249	-0.01761	0.926244	0.365436	0.491188	-6.07032
GCLC	-0.25586	-0.071	-0.92623	0.365445	0.491188	-6.07034
GRIK1-AS2	-0.20929	0.237401	-0.926	0.365558	0.491306	-6.07054
S100A5	0.112078	-0.0506	0.925894	0.365614	0.491347	-6.07064
FAM98A	-0.10863	-0.02978	-0.92579	0.365668	0.491386	-6.07074
BHMT2	0.355299	-0.04768	0.925654	0.365735	0.491443	-6.07086
SDCCAG3	-0.18764	0.203059	-0.92541	0.365858	0.491506	-6.07108
UBA52	0.219673	-0.26752	0.925136	0.365998	0.491661	-6.07133
MGEA5	0.237685	-0.22255	0.924969	0.366083	0.491685	-6.07148
LOC100505	-0.40461	0.214178	-0.92495	0.366091	0.491685	-6.0715
TRPT1	-0.15141	0.102699	-0.92478	0.366178	0.491768	-6.07165
C2orf57	-0.16582	-0.0545	-0.91288	0.372823	0.498438	-6.07199
LOC100130	0.249607	-0.12709	0.924249	0.366448	0.492053	-6.07214
TPRX1	0.151458	-0.06409	0.92422	0.366463	0.492053	-6.07216
CNPPD1	-0.16901	0.200716	-0.92421	0.366466	0.492053	-6.07217
FMO4	0.389693	0.163069	0.923857	0.366648	0.492264	-6.07249
LOC100505	0.061975	-0.01142	0.866387	0.397164	0.522986	-6.0726
NXN	0.333823	0.03877	0.911432	0.373568	0.499024	-6.07329
SEPHS1	-0.34501	0.610952	-0.92297	0.367098	0.4928	-6.0733
DNAJC22	0.064693	-0.01294	0.922874	0.367147	0.492833	-6.07339
BMPR2	-0.52788	0.859501	-0.92251	0.36733	0.493045	-6.07372

CGREF1	0.233174	-0.16276	0.853588	0.404634	0.530185	-6.0739
BPIFB1	-0.1882	0.041649	-0.92219	0.367494	0.493176	-6.07401
DNAH5	0.221832	-0.11476	0.922174	0.367503	0.493176	-6.07402
FGF11	0.26931	-0.22848	0.910212	0.374194	0.499623	-6.07438
MGC15885	0.191085	-0.09923	0.921518	0.367837	0.493589	-6.07462
LOC72801	-0.20286	0.108184	-0.90981	0.374403	0.499834	-6.07475
CLYBL	0.284315	-0.13524	0.921227	0.367985	0.493754	-6.07488
TSHR	0.323305	0.075536	0.921059	0.368071	0.49381	-6.07503
IPO9	-0.17558	0.494358	-0.92105	0.368077	0.49381	-6.07505
RAP2B	0.145141	-0.04814	0.920617	0.368296	0.49407	-6.07543
ATP2B1	0.265168	0.074063	0.920506	0.368352	0.494112	-6.07554
CCDC90A	-0.31006	0.684025	-0.92011	0.368555	0.49435	-6.0759
RAD51D	-0.20124	0.503546	-0.91981	0.368705	0.49445	-6.07616
INSM2	-0.39675	0.123666	-0.91916	0.369038	0.49482	-6.07675
TNFAIP8L1	0.278888	0.192319	0.919086	0.369076	0.49482	-6.07682
ITK	0.52374	-0.38704	0.91908	0.36908	0.49482	-6.07683
HDHD1	-0.19336	0.120561	-0.91894	0.369149	0.49482	-6.07695
C11orf84	-0.16883	0.623188	-0.91883	0.369208	0.49482	-6.07705
SNHG7	0.275082	-0.29999	0.728338	0.478528	0.599967	-6.07717
FAM47B	-0.06424	0.012848	-0.91867	0.369287	0.494867	-6.07719
NF2	-0.27575	0.63215	-0.91866	0.369294	0.494867	-6.07721
PMPCA	0.15299	-0.12456	0.918317	0.369469	0.495068	-6.07752
NTAN1	0.127883	-0.17779	0.9179	0.369682	0.495319	-6.07789
SMAP2	-0.32616	0.377661	-0.91732	0.369981	0.495651	-6.07842
UNC13C	0.29527	-0.04777	0.905464	0.376639	0.502169	-6.07863
RAC1	-0.2361	0.042449	-0.91702	0.370131	0.49582	-6.07869
FLJ36000	0.200188	-0.4274	0.905191	0.37678	0.502288	-6.07888
MCART1	0.120042	-0.15809	0.916757	0.370266	0.495967	-6.07893
TTC19	0.327371	-0.02207	0.916164	0.370569	0.496301	-6.07946
CACNB1	0.259182	0.224894	0.915979	0.370664	0.496364	-6.07963
TMPRSS11	-0.21862	-0.28713	-0.8581	0.401606	0.5271	-6.07965
TSC22D2	0.12686	-0.04231	0.915724	0.370795	0.496504	-6.07986
WDHD1	-0.27606	0.279714	-0.91543	0.370944	0.496671	-6.08012
PFN3	0.199859	-0.15347	0.915079	0.371125	0.496879	-6.08044
PGCP	-0.35312	0.186152	-0.91478	0.371276	0.497013	-6.0807
OLFML2B	-0.17096	0.149897	-0.91463	0.371356	0.497087	-6.08085
PPP2R5D	0.116485	0.008277	0.914348	0.371499	0.497244	-6.0811
C9orf7	0.171584	-0.14699	0.914038	0.371658	0.497393	-6.08138
CD79B	-0.3249	0.404121	-0.91403	0.371661	0.497393	-6.08138
IQCF2	-0.11466	-0.03923	-0.91361	0.371877	0.49758	-6.08176
RHBDL3	-0.12396	0.033028	-0.90195	0.378456	0.504145	-6.08176
CD151	0.327169	-0.00897	0.913526	0.371921	0.49758	-6.08184
DPF3	-0.21266	0.212902	-0.9134	0.371987	0.497624	-6.08195
LUZP2	0.314892	0.188935	0.9133	0.372037	0.497658	-6.08204
CHEK2	0.303343	0.017199	0.901593	0.37864	0.504356	-6.08208
G6PC3	-0.16272	0.022784	-0.91324	0.37207	0.497668	-6.0821
SCARF1	-0.28422	0.1675	-0.9131	0.372142	0.49773	-6.08222

YPEL5	0.250694	-0.61173	0.913042	0.372169	0.497733	-6.08227
RASSF2	-0.26074	-0.02187	-0.91249	0.372453	0.498078	-6.08277
PHYHIP	-0.29458	-0.17397	-0.91238	0.372508	0.498093	-6.08287
KRT34	-0.24609	-0.0509	-0.91237	0.372515	0.498093	-6.08288
SAMD7	0.176454	-0.22067	0.91231	0.372545	0.498099	-6.08293
TEKT4	0.224185	0.122642	0.91162	0.372899	0.498455	-6.08355
LPHN3	0.082234	-0.03195	0.911594	0.372913	0.498455	-6.08357
RAP1GAP	0.443941	0.366493	0.911593	0.372913	0.498455	-6.08357
TMEM106	-0.16452	0.302526	-0.91137	0.373025	0.498571	-6.08377
RPL23AP8	0.279854	0.262367	0.911325	0.373051	0.498572	-6.08382
ESRRA	0.261702	0.052738	0.910937	0.37325	0.498804	-6.08416
HERC2P7	-0.2166	0.020576	-0.82777	0.419362	0.544243	-6.08425
UHMK1	-0.22952	0.041508	-0.91081	0.373315	0.498851	-6.08428
RIN2	0.268986	-0.09521	0.91077	0.373336	0.498851	-6.08431
ZNF609	-0.19482	0.402406	-0.91072	0.373361	0.498851	-6.08436
LRRC20	0.24145	0.122121	0.910551	0.373449	0.498933	-6.08451
VCP	-0.22047	0.197869	-0.91039	0.37353	0.499008	-6.08465
TPD52L1	-0.16042	-0.11436	-0.85217	0.404806	0.530234	-6.08466
WNT8B	-0.16847	-0.09248	-0.84064	0.411659	0.536873	-6.08475
GABRR2	0.231645	-0.14637	0.910045	0.373709	0.499178	-6.08496
SLC2A5	0.338355	0.30938	0.909997	0.373734	0.499178	-6.08501
DNAJB7	-0.07817	0.015634	-0.90967	0.373902	0.499368	-6.0853
MYO1E	-0.23314	0.547726	-0.90945	0.374015	0.499472	-6.0855
PPP2R4	0.171265	0.045394	0.909421	0.37403	0.499472	-6.08552
C19orf40	0.094464	-0.03507	0.909252	0.374117	0.499554	-6.08567
CDHR1	-0.13314	0.214743	-0.90875	0.374373	0.499828	-6.08612
CCDC9	-0.1763	0.007739	-0.9086	0.374452	0.499865	-6.08626
GJA8	-0.1379	-0.01912	-0.90834	0.374585	0.499965	-6.08649
NDUFB10	0.14494	-0.19399	0.908308	0.374604	0.499965	-6.08652
CACYBP	-0.26854	0.340272	-0.9082	0.37466	0.499993	-6.08662
ZNF30	0.450763	-0.08014	0.907293	0.375127	0.500561	-6.08743
VWC2	0.304221	0.074703	0.895445	0.381833	0.507687	-6.08753
ARAP3	0.31049	0.082386	0.907111	0.375221	0.500652	-6.08759
ESCO2	-0.44052	0.469303	-0.89535	0.381884	0.50771	-6.08761
DCBLD2	-0.18334	-0.2433	-0.90702	0.375268	0.500665	-6.08767
LGALS13	0.314225	-0.20817	0.895256	0.381931	0.507739	-6.08769
TIMM10	-0.38627	0.656403	-0.90699	0.375282	0.500665	-6.0877
ARHGAP44	-0.14386	0.241494	-0.89434	0.38241	0.508237	-6.0885
B4GALT7	-0.13602	0.21928	-0.90593	0.375828	0.50136	-6.08864
XCL1	0.210101	-0.03315	0.905726	0.375936	0.501469	-6.08883
BCL2L15	-0.20092	-0.21572	-0.87989	0.390599	0.516424	-6.08904
CRTC1	-0.1786	0.525432	-0.90544	0.376083	0.501598	-6.08908
MGC14436	0.282353	-0.14243	0.893444	0.382876	0.508626	-6.08929
HPS1	-0.1249	0.059647	-0.90498	0.37632	0.501879	-6.08949
MVP	-0.14024	0.202035	-0.90448	0.376578	0.502156	-6.08994
ERN1	-0.16014	-0.00323	-0.90443	0.376608	0.502161	-6.08999
Mar-01	-0.41823	0.263523	-0.90419	0.376728	0.502252	-6.09019

PTBP1	0.210147	0.107643	0.903757	0.376954	0.502485	-6.09058
C6orf228	0.276113	0.180814	0.903665	0.377002	0.502515	-6.09066
CCDC94	-0.18173	0.446339	-0.90344	0.377119	0.502637	-6.09087
STAB2	0.153005	-0.10187	0.903011	0.37734	0.502897	-6.09125
POU4F3	-0.15844	-0.27517	-0.81899	0.424214	0.54896	-6.09142
BCAS1	-0.25335	-0.02342	-0.84398	0.409255	0.534597	-6.09153
NEK7	-0.40802	-0.43977	-0.90261	0.377547	0.503139	-6.0916
PLA2G4F	-0.1436	-0.09539	-0.90248	0.377613	0.503193	-6.09172
PCDHGB3	-0.35693	-0.01218	-0.89063	0.384345	0.509979	-6.09177
FAM132A	0.169729	0.003027	0.902246	0.377736	0.503318	-6.09193
VLDLR	0.300076	-0.05309	0.902204	0.377758	0.503318	-6.09196
PLAT	-0.20101	0.159385	-0.90215	0.377788	0.503323	-6.09202
NAGLU	-0.1513	0.180114	-0.90134	0.378207	0.503848	-6.09274
ZNF17	-0.24962	0.076913	-0.90033	0.378729	0.50444	-6.09363
MLEC	-0.13055	0.334601	-0.90027	0.378761	0.504448	-6.09368
CCDC91	-0.13169	0.000105	-0.89928	0.379275	0.50503	-6.09456
HARBI1	-0.23162	0.211475	-0.8989	0.379475	0.505261	-6.0949
GAD1	-0.08567	0.000741	-0.89884	0.379506	0.505269	-6.09496
ZFP64	0.231759	-0.02945	0.898686	0.379584	0.505339	-6.09509
TTYH2	-0.20906	0.560483	-0.89841	0.379726	0.505493	-6.09533
KCNS1	0.309454	-0.03063	0.797619	0.436868	0.56109	-6.09545
FTH1	-0.19995	0.446504	-0.89825	0.379811	0.505571	-6.09547
LOC388946	-0.26314	-0.02555	-0.8723	0.394618	0.520403	-6.09562
ABHD14B	-0.26796	0.706913	-0.89799	0.379947	0.505718	-6.09571
LYPD6B	0.372305	-0.44411	0.897826	0.380031	0.505796	-6.09585
CNKS3	0.324329	0.03184	0.897695	0.3801	0.505853	-6.09597
BMP1B	-0.18194	-0.06235	-0.89723	0.380341	0.506139	-6.09638
Sep-12	-0.15898	-0.07993	-0.89709	0.380412	0.5062	-6.0965
UAP1L1	-0.1584	0.096373	-0.8963	0.380825	0.506715	-6.0972
MARK4	-0.17675	0.081793	-0.89591	0.381028	0.506951	-6.09754
SUSD4	-0.30857	0.225662	-0.89579	0.38109	0.506999	-6.09765
RTP4	-0.64618	0.401998	-0.8954	0.381293	0.507235	-6.09799
FCHO2	-0.39786	-0.1494	-0.89532	0.381336	0.507257	-6.09806
BRDT	0.071515	-0.03186	0.895245	0.381376	0.507276	-6.09813
HIC1	-0.25082	0.31263	-0.89494	0.381534	0.507452	-6.0984
PRO1596	0.381631	0.122433	0.894887	0.381563	0.507455	-6.09845
MRPL39	-0.24738	-0.02426	-0.89472	0.381649	0.507536	-6.09859
OR10H1	0.174167	-0.4049	0.894609	0.381708	0.507579	-6.09869
LOC157860	0.151588	-0.27103	0.835146	0.414087	0.53904	-6.09887
IL12RB2	0.382648	0.360052	0.894354	0.381841	0.507687	-6.09892
DSG2	-0.15882	0.037176	-0.88221	0.388767	0.514709	-6.09914
CBS	-0.39408	0.281088	-0.89401	0.382022	0.507824	-6.09922
ATP8B3	-0.27133	0.061123	-0.89376	0.382151	0.507962	-6.09944
PPIL3	-0.2337	-0.16699	-0.89356	0.382255	0.508065	-6.09962
POLR2L	0.208234	-0.02684	0.893018	0.382539	0.508339	-6.1001
PI4KA	-0.17116	0.338486	-0.89286	0.38262	0.508407	-6.10023
PIWIL3	-0.18768	-0.26999	-0.82956	0.419094	0.543993	-6.10038

GPM6B	0.260088	0.119591	0.880761	0.389531	0.515359	-6.1004
FAM160B2	-0.15515	0.3897	-0.89257	0.382773	0.508547	-6.10049
LOC64303	0.220837	0.129873	0.832939	0.415301	0.54026	-6.10069
TMEM68	0.195593	-0.18987	0.892186	0.382974	0.50871	-6.10083
MGC50722	-0.41352	0.681801	-0.89189	0.383127	0.50888	-6.10109
TAB3	-0.22306	0.048176	-0.89182	0.383163	0.508893	-6.10115
SPG21	0.141701	-0.338	0.891665	0.383246	0.508968	-6.10129
CLCC1	-0.15566	0.261755	-0.89153	0.383319	0.509031	-6.10141
BIVM	0.270386	0.28458	0.879411	0.390243	0.516069	-6.10157
LPPR1	0.328621	-0.26038	0.89126	0.383458	0.509153	-6.10164
ACVRL1	-0.2887	0.420881	-0.89125	0.383463	0.509153	-6.10165
C14orf167	-0.15557	-0.14338	-0.89118	0.383499	0.509167	-6.10171
P2RY8	0.200692	0.148313	0.89092	0.383636	0.509279	-6.10194
LOC64794	-0.26251	-0.20324	-0.8906	0.383805	0.509469	-6.10223
RPL19P12	0.275352	-0.06256	0.890492	0.38386	0.509508	-6.10232
LRRC49	-0.12968	-0.11978	-0.80537	0.431812	0.556274	-6.10239
KRTAP13-2	-0.1099	-0.17788	-0.76841	0.454277	0.57708	-6.10252
CTSS	-0.43601	0.050592	-0.89023	0.383996	0.509654	-6.10255
KIAA1462	-0.38459	0.194263	-0.89007	0.384083	0.509723	-6.10269
LRIT1	0.110755	-0.15423	0.889837	0.384203	0.509825	-6.1029
SPC24	-0.27271	0.429544	-0.87753	0.39124	0.517096	-6.10321
WBP2NL	0.330574	0.191385	0.877383	0.391315	0.517161	-6.10333
SLC22A7	0.189603	-0.20196	0.889249	0.384511	0.510165	-6.10341
RPL23	0.463489	-1.21678	0.888898	0.384696	0.510375	-6.10372
HDHD3	-0.25527	0.480285	-0.88874	0.384778	0.510449	-6.10386
LOC73010	0.19577	-0.27186	0.862689	0.399742	0.525531	-6.10386
ELAC1	-0.23313	0.056777	-0.88849	0.384908	0.510588	-6.10407
NXPH1	0.149192	-0.03657	0.888176	0.385074	0.510773	-6.10435
CCDC77	-0.13666	0.084787	-0.8875	0.385428	0.511208	-6.10494
TRPC5	0.174191	-0.12597	0.887217	0.385578	0.511372	-6.10519
WNT5B	-0.27888	0.459434	-0.8866	0.3859	0.511765	-6.10573
SERGEF	0.168233	0.240192	0.886547	0.38593	0.51177	-6.10578
LUC7L3	-0.3377	-0.26637	-0.88648	0.385967	0.511785	-6.10584
RNF207	0.191246	-0.03011	0.886411	0.386001	0.511795	-6.1059
C20orf4	0.178435	-0.17547	0.88609	0.38617	0.511984	-6.10618
TGM1	-0.28746	0.385231	-0.88551	0.386473	0.512351	-6.10668
RPL22L1	-0.60438	-0.45405	-0.88533	0.386568	0.512442	-6.10684
GYPE	0.203521	-0.54477	0.885187	0.386645	0.51251	-6.10697
ZNF264	-0.2239	0.092647	-0.88512	0.386679	0.51252	-6.10702
C11orf10	0.183503	-0.05128	0.884262	0.387132	0.513087	-6.10778
POP5	-0.22036	0.063238	-0.88418	0.387176	0.51311	-6.10785
PCDH17	-0.11335	-0.59414	-0.23129	0.822993	0.884135	-6.10831
GRIN3A	-0.3058	0.346791	-0.8714	0.394488	0.520336	-6.1085
SIK3	0.274761	0.168401	0.883348	0.387614	0.513655	-6.10857
C6orf123	-0.19213	-0.10475	-0.81954	0.424619	0.549317	-6.10859
HCG26	-0.52544	0.705571	-0.88306	0.387764	0.513786	-6.10882
ATF7	-0.06054	0.012108	-0.88306	0.387765	0.513786	-6.10882

NT5DC1	0.189887	-0.28729	0.882981	0.387807	0.513808	-6.10889
ATP6VOC	-0.22683	0.535475	-0.88282	0.387891	0.513827	-6.10903
ZC3H12D	0.246019	0.066745	0.882804	0.387901	0.513827	-6.10905
LRRC1	-0.27121	0.188482	-0.88202	0.388315	0.514271	-6.10973
MYB	0.297423	-0.08201	0.881782	0.38844	0.514402	-6.10994
RCAN3	0.283182	0.179753	0.881315	0.388687	0.514694	-6.11035
OTUD7B	-0.23715	0.056514	-0.88119	0.388754	0.514709	-6.11046
GRN	0.207451	0.134399	0.881059	0.388822	0.514718	-6.11057
ORMDL1	-0.21376	-0.24839	-0.88103	0.388836	0.514718	-6.11059
C6orf225	0.379345	-0.21673	0.794581	0.437896	0.562116	-6.11097
TSPAN3	0.365541	0.443384	0.880421	0.389159	0.51511	-6.11112
CSTT	0.055808	-0.01116	0.880272	0.389237	0.515168	-6.11125
TMPRSS15	0.319387	-0.40206	0.819999	0.422457	0.54757	-6.11129
KIF2A	-0.19463	0.080222	-0.88016	0.389297	0.515168	-6.11135
TBC1D19	0.303617	0.103091	0.880143	0.389306	0.515168	-6.11136
RGAG1	-0.29508	-0.05605	-0.86802	0.396293	0.522085	-6.11141
DPPA4	-0.3991	0.335449	-0.86797	0.39632	0.522086	-6.11145
C20orf103	-0.2489	0.443338	-0.88001	0.389374	0.515221	-6.11148
LOC100506	0.467612	0.152833	0.879812	0.389481	0.515327	-6.11165
CTHRC1	-0.1363	-0.29879	-0.80761	0.429938	0.554443	-6.11172
LOC100287	0.309328	-0.37829	0.730502	0.477246	0.598858	-6.11175
POLDIP3	0.093293	-0.00525	0.879513	0.389639	0.515449	-6.11191
ALKBH5	-0.22489	0.349503	-0.87949	0.389652	0.515449	-6.11193
ZNF225	0.310243	0.148765	0.879168	0.389821	0.515639	-6.11221
SF3B5	-0.16588	0.044436	-0.87903	0.389893	0.515699	-6.11233
HNF1B	-0.1862	-0.00827	-0.8787	0.390067	0.515895	-6.11262
ALPK3	-0.30881	0.64398	-0.87835	0.390252	0.516069	-6.11292
MRAP2	0.272265	0.060762	0.851761	0.40562	0.531158	-6.11314
GPRC5B	-0.15214	-0.01077	-0.8779	0.390491	0.516351	-6.11331
TMCO4	0.222015	0.101845	0.877732	0.390582	0.516424	-6.11346
BAG2	-0.34426	0.289009	-0.86533	0.397726	0.523585	-6.11371
MEST	-0.2609	0.356477	-0.87733	0.390796	0.516593	-6.11381
IL13RA1	-0.23961	0.120001	-0.87731	0.390807	0.516593	-6.11383
KCNN3	-0.43356	1.300532	-0.8769	0.391021	0.516842	-6.11418
KCNQ5	-0.16061	-0.08842	-0.86458	0.398131	0.523908	-6.11436
ZFX	-0.18585	0.029654	-0.87625	0.391365	0.517193	-6.11474
PTGER3	-0.27551	0.136536	-0.87618	0.391404	0.517209	-6.1148
CCT7	0.15417	-0.0926	0.876114	0.391439	0.517212	-6.11486
CLDN6	0.177492	-0.15671	0.876046	0.391475	0.517212	-6.11492
RBM3	-0.30307	-0.45677	-0.87603	0.391486	0.517212	-6.11494
CHPF	0.208821	-0.30923	0.87564	0.391691	0.517413	-6.11527
SULT1A1	-0.31858	0.046211	-0.87513	0.39196	0.517734	-6.11571
RAB3A	-0.26664	0.303898	-0.87505	0.392004	0.517757	-6.11578
RPS9	0.502418	-0.09392	0.874755	0.392161	0.517929	-6.11604
RRP1B	-0.34816	0.275013	-0.87441	0.392344	0.518136	-6.11633
KIAA0664L	0.257927	0.119961	0.874055	0.392533	0.518351	-6.11664
CDC16	-0.15445	-0.15644	-0.87343	0.392863	0.518717	-6.11718

C11orf93	-0.201	0.095528	-0.87337	0.392898	0.518728	-6.11723
LOC100128	0.180231	-0.23065	0.708582	0.488866	0.608837	-6.11746
LOC21973	-0.14541	0.014161	-0.87292	0.393134	0.519004	-6.11762
PHF2	0.16311	0.111881	0.872843	0.393177	0.519027	-6.11769
C3orf75	0.196677	-0.18584	0.872714	0.393246	0.519083	-6.1178
LILRB1	-0.05845	0.011365	-0.79981	0.434329	0.558745	-6.11795
POLB	0.059094	-0.0174	0.872356	0.393436	0.519278	-6.11811
PDLIM2	0.130904	0.047517	0.872328	0.393452	0.519278	-6.11813
ACTL6A	0.171013	-0.23965	0.872286	0.393474	0.519278	-6.11817
MMP3	-0.23596	-0.25022	-0.85995	0.400615	0.526222	-6.11831
NEIL2	0.232937	-0.28165	0.871418	0.393936	0.519811	-6.11892
CAMK2D	-0.26258	0.249241	-0.87141	0.393943	0.519811	-6.11893
TAB1	0.167615	0.18135	0.871378	0.393957	0.519811	-6.11895
LINC00208	0.141178	-0.2897	0.87116	0.394073	0.51993	-6.11914
PXT1	-0.20462	0.070474	-0.85877	0.401247	0.52677	-6.11931
LILRA1	-0.27274	0.387457	-0.87083	0.39425	0.520128	-6.11942
KRT4	0.158545	-0.15236	0.870735	0.3943	0.520148	-6.1195
STUB1	0.119528	-0.10289	0.870699	0.394319	0.520148	-6.11953
C1orf126	-0.20423	0.070879	-0.85831	0.401495	0.527025	-6.1197
DEFT1P	0.470467	0.114609	0.870291	0.394537	0.520366	-6.11989
CCT6P1	-0.28645	0.051753	-0.86992	0.394732	0.520471	-6.1202
ZNF91	-0.26945	0.047544	-0.8699	0.394747	0.520471	-6.12022
MBD1	-0.22709	0.425088	-0.86989	0.39475	0.520471	-6.12023
GAA	-0.25948	0.283806	-0.86932	0.395056	0.52084	-6.12072
RPE65	-0.05473	0.010946	-0.86915	0.395144	0.52089	-6.12087
MITF	-0.30749	0.594948	-0.86915	0.395147	0.52089	-6.12087
LOC100128	-0.4268	0.853357	-0.86894	0.395258	0.521002	-6.12105
KLK1	0.265208	0.304528	0.86857	0.395455	0.521226	-6.12136
PTGES2	-0.23595	0.428679	-0.8685	0.395493	0.521241	-6.12143
GPKOW	-0.10643	0.089995	-0.86844	0.395524	0.521247	-6.12148
C3orf26	-0.33039	0.490026	-0.86836	0.395567	0.521268	-6.12154
ZDBF2	-0.27686	-0.24831	-0.74318	0.468955	0.590666	-6.12157
C5orf28	-0.37122	-0.12778	-0.82428	0.421286	0.546342	-6.12173
HOXA11	-0.2366	-0.05209	-0.86801	0.395757	0.521483	-6.12185
HPD	-0.51714	0.160082	-0.85556	0.402978	0.528369	-6.12203
ST3GAL5	-0.38059	0.407075	-0.86737	0.396094	0.521893	-6.12239
ANO2	-0.21182	0.349389	-0.86732	0.396124	0.521898	-6.12244
PSENEN	0.161011	0.011846	0.866802	0.3964	0.522155	-6.12288
PLAGL2	0.265825	0.277059	0.866716	0.396446	0.522181	-6.12296
ZBED4	0.34226	0.200482	0.866355	0.396639	0.5224	-6.12326
DUOX1	0.243835	-0.26256	0.726431	0.476985	0.598607	-6.12328
ACCN2	0.33116	0.317421	0.865913	0.396876	0.522677	-6.12364
NPHS1	0.119575	-0.04852	0.853446	0.404119	0.529617	-6.12382
RPS14	0.294295	-0.17751	0.86555	0.39707	0.522897	-6.12395
ZNF879	-0.40631	0.080393	-0.80407	0.43137	0.555851	-6.12411
RRP12	-0.22995	0.252052	-0.86522	0.397246	0.523059	-6.12424
NDN	-0.36361	0.455185	-0.86444	0.397664	0.523539	-6.1249

OR10T2	0.277282	-0.27418	0.864245	0.397769	0.523607	-6.12507
MMEL1	0.154581	-0.1717	0.864034	0.397882	0.52372	-6.12525
ALG1	0.186142	0.073435	0.863986	0.397908	0.52372	-6.12529
C20orf29	-0.19263	0.365524	-0.86363	0.3981	0.523901	-6.1256
SEMA6A	0.308835	0.106736	0.863417	0.398214	0.523948	-6.12578
ARCN1	-0.17002	0.084103	-0.86341	0.398215	0.523948	-6.12578
AGMAT	-0.34957	0.548963	-0.86312	0.398374	0.524096	-6.12603
TSTD2	-0.26306	0.04734	-0.8631	0.398382	0.524096	-6.12605
RPL12	0.248154	-0.02794	0.862891	0.398496	0.524211	-6.12623
HIST1H4G	-0.17451	-0.10628	-0.85031	0.405815	0.531256	-6.12646
COL25A1	0.342837	-0.08407	0.850205	0.405873	0.531256	-6.12655
TGFB2	-0.23039	0.176122	-0.8625	0.398704	0.524449	-6.12656
GLYCTK	-0.13089	0.086016	-0.86227	0.39883	0.52458	-6.12676
CTNND1	0.35732	0.335461	0.861831	0.399065	0.524834	-6.12713
FGD1	0.098298	-0.09101	0.86181	0.399076	0.524834	-6.12715
RYR2	0.225762	-0.04644	0.834793	0.414859	0.539757	-6.12732
LOC401098	-0.26736	0.018649	-0.86142	0.399284	0.525072	-6.12748
ATF3	-0.39831	0.570769	-0.86114	0.399435	0.525235	-6.12772
TNFRSF17	0.483846	-0.00349	0.860933	0.399548	0.525339	-6.1279
TSSC4	0.140607	0.09658	0.860896	0.399567	0.525339	-6.12793
SDK2	0.291055	0.055769	0.860524	0.399767	0.525531	-6.12825
ARR3	0.142993	-0.20135	0.772344	0.450599	0.573799	-6.12831
GRAP2	-0.27929	0.431033	-0.86045	0.399808	0.525549	-6.12831
TNNI3K	0.323956	0.090699	0.860309	0.399883	0.525596	-6.12843
PCMTD1	-0.20347	0.012747	-0.86028	0.399897	0.525596	-6.12845
KDELC1	-0.29264	0.450006	-0.86005	0.400021	0.5257	-6.12865
MMS19	-0.13245	0.191576	-0.86004	0.40003	0.5257	-6.12866
YBEY	0.211673	-0.24797	0.859885	0.400111	0.525771	-6.12879
NFAT5	0.224859	-0.5003	0.859504	0.400316	0.526006	-6.12911
FANCA	-0.30212	0.631087	-0.85938	0.400382	0.52605	-6.12922
ZNF775	0.140605	-0.02507	0.859342	0.400404	0.52605	-6.12925
PHKA1	-0.37393	0.192604	-0.85921	0.400472	0.526105	-6.12936
ADAMTS19	-0.11854	0.116744	-0.84677	0.407737	0.53311	-6.12944
SLC46A3	-0.12697	0.030699	-0.85905	0.400563	0.526189	-6.1295
POLR3B	-0.13057	0.090028	-0.85876	0.400716	0.526319	-6.12974
C12orf28	-0.34763	0.188126	-0.85854	0.400835	0.526415	-6.12993
THTPA	-0.15069	0.328459	-0.85853	0.400842	0.526415	-6.12994
JUN	-0.20821	0.486449	-0.85833	0.40095	0.52652	-6.13011
LOC100506	0.260812	-0.40795	0.796415	0.4357	0.56003	-6.13019
NOSIP	0.283787	-0.07205	0.858189	0.401025	0.526583	-6.13023
PIK3R1	-0.26228	0.067349	-0.85803	0.401109	0.526659	-6.13036
NDUFA4	-0.40519	-0.79204	-0.85777	0.401249	0.52677	-6.13058
WNK3	-0.11148	0.05056	-0.85773	0.401275	0.52677	-6.13062
SLC12A4	0.092626	0.2261	0.857231	0.401541	0.52705	-6.13104
GFOD2	-0.19681	0.148784	-0.85688	0.40173	0.527227	-6.13134
MYEF2	-0.29633	0.161633	-0.85667	0.401845	0.527342	-6.13152
HSPA4L	0.23536	0.087656	0.856551	0.401908	0.52739	-6.13162

HSPA5	-0.32173	0.48659	-0.85648	0.401945	0.527403	-6.13168
ATP6V1F	0.134477	-0.12254	0.85634	0.402022	0.527469	-6.1318
C21orf67	0.168422	-0.052	0.856284	0.402052	0.527473	-6.13185
CLC	0.635093	-0.65376	0.855898	0.40226	0.527709	-6.13217
LINC00320	0.34968	0.259175	0.855849	0.402287	0.527709	-6.13222
CTU1	0.123558	0.18532	0.855801	0.402313	0.527709	-6.13226
LOC439938	0.129331	-0.04825	0.855517	0.402466	0.527875	-6.1325
GABPA	-0.35362	0.054281	-0.84308	0.409746	0.535094	-6.13253
HS3ST4	-0.17569	-0.03099	-0.8554	0.40253	0.527923	-6.1326
SHOX	0.259963	-0.65594	0.618674	0.547825	0.661536	-6.13284
ZNF320	-0.37819	0.468042	-0.85495	0.402775	0.528209	-6.13298
LOC729058	-0.25679	0.021529	-0.8547	0.402909	0.528334	-6.13319
UNK	0.269663	0.18529	0.85467	0.402924	0.528334	-6.13321
ABCB6	0.16688	0.455571	0.854074	0.403246	0.528686	-6.13372
AVEN	0.207155	0.004981	0.853913	0.403333	0.528733	-6.13385
HCRTR2	-0.49977	0.29969	-0.85391	0.403337	0.528733	-6.13386
NCOA6	0.196491	-0.13534	0.853175	0.403732	0.529217	-6.13448
LOC572558	0.16691	-0.39443	0.853014	0.40382	0.529296	-6.13461
TEKT4P2	-0.05444	0.008307	-0.79075	0.438921	0.563073	-6.13466
LOC338798	-0.15513	0.246875	-0.85279	0.403941	0.52942	-6.1348
PAQR8	0.232991	-0.19969	0.85197	0.404385	0.529931	-6.13549
HTR3D	0.130449	-0.04453	0.777386	0.447104	0.570571	-6.13553
ZNF419	-0.1903	0.033381	-0.85185	0.404451	0.529981	-6.1356
VHLL	-0.30306	0.141172	-0.83894	0.412006	0.537145	-6.13598
RG9MTD3	0.256191	0.022246	0.838923	0.412017	0.537145	-6.136
KCNH7	0.205797	-0.06106	0.851374	0.404708	0.530234	-6.136
LAG3	0.360353	-0.20625	0.851299	0.404749	0.530234	-6.13606
PTPN11	-0.18334	-0.34892	-0.85129	0.404753	0.530234	-6.13607
CRABP1	-0.1702	-0.03746	-0.85124	0.404783	0.530234	-6.13611
METTTL21B	-0.21674	0.005786	-0.85079	0.405027	0.530487	-6.13649
KCNJ11	-0.12146	0.048753	-0.83826	0.412379	0.537495	-6.13655
ZNF333	-0.23163	0.423533	-0.85065	0.405099	0.530547	-6.1366
C18orf55	-0.20341	0.19187	-0.84961	0.405667	0.531183	-6.13748
WDPCP	-0.18379	-0.02267	-0.84953	0.40571	0.531205	-6.13755
IPCEF1	0.152057	-0.13305	0.836989	0.413077	0.537974	-6.1376
WDR91	-0.16488	-0.00527	-0.84929	0.405839	0.531256	-6.13775
NEUROD4	-0.38269	0.423642	-0.84921	0.405882	0.531256	-6.13782
TRIM66	0.179742	-0.03496	0.849207	0.405884	0.531256	-6.13782
ECE2	0.175556	0.070707	0.849037	0.405977	0.531341	-6.13797
TPT1	-0.29781	-0.56012	-0.84889	0.406057	0.531411	-6.13809
FLT1	0.079064	-0.03663	0.835946	0.413648	0.538576	-6.13847
PPPDE2	-0.29637	0.620152	-0.84819	0.406438	0.531838	-6.13868
IL17C	-0.14351	0.093135	-0.8355	0.413895	0.538861	-6.13884
GPR19	-0.21538	0.024244	-0.84781	0.406646	0.532053	-6.139
LOC100658	0.127119	-0.09197	0.847786	0.406656	0.532053	-6.13902
CCDC138	-0.14969	-0.07827	-0.83522	0.414046	0.539022	-6.13907
ZBP1	-0.29775	0.369957	-0.84766	0.406724	0.532105	-6.13912

CDKAL1	-0.15284	0.061918	-0.84758	0.406768	0.532127	-6.13919
CIT	-0.31918	0.341229	-0.78474	0.44235	0.566018	-6.13937
ZSWIM7	-0.18758	0.111935	-0.84732	0.406913	0.532268	-6.13941
MLPH	-0.16533	0.00058	-0.84725	0.406946	0.532268	-6.13946
Sep-11	0.150841	-0.04122	0.847234	0.406957	0.532268	-6.13948
RPS8	0.303967	-0.23956	0.847089	0.407036	0.532315	-6.1396
HSP90AB1	0.356773	0.508691	0.847068	0.407047	0.532315	-6.13962
NUTF2	0.25203	0.268289	0.846621	0.40729	0.532597	-6.13999
CLDN18	0.169026	-0.17122	0.84644	0.407389	0.532691	-6.14015
CAPN7	0.214503	-0.42934	0.845518	0.407891	0.533276	-6.14092
SOBP	-0.50591	-0.11118	-0.8327	0.415429	0.540392	-6.14115
UBE2O	0.143469	-0.14575	0.845078	0.408131	0.533519	-6.14129
PNCK	-0.34852	0.067733	-0.78225	0.443776	0.567396	-6.1413
LOC100128	-0.11521	-0.52825	-0.77809	0.447963	0.57137	-6.14156
C20orf197	-0.193	0.154013	-0.84444	0.408479	0.533938	-6.14182
ST8SIA5	0.111644	-0.12787	0.844218	0.4086	0.534061	-6.14201
CLEC4F	-0.20151	0.016	-0.84407	0.40868	0.53413	-6.14213
EXO1	-0.41616	0.715746	-0.84395	0.408744	0.534177	-6.14223
PKHD1L1	0.177115	-0.00568	0.768604	0.45217	0.57525	-6.14229
TRIM13	-0.13841	-0.08366	-0.84356	0.408958	0.534394	-6.14256
MRPL18	-0.13978	0.244256	-0.84355	0.408964	0.534394	-6.14256
CHCHD5	-0.14289	0.012214	-0.84341	0.409041	0.534418	-6.14268
SAMD4A	-0.29491	0.105975	-0.8434	0.409048	0.534418	-6.14269
RAB4A	-0.22824	0.072959	-0.83082	0.416469	0.541385	-6.14271
FRMD5	-0.17983	0.035811	-0.84332	0.40909	0.534418	-6.14276
GATAD2B	0.148876	0.115498	0.843317	0.409092	0.534418	-6.14276
HMGN2P4	-0.16976	0.050893	-0.84279	0.409381	0.534725	-6.1432
ZBTB5	0.188809	-0.16184	0.842415	0.409584	0.534919	-6.14351
ANTXR1	-0.43504	0.365361	-0.84196	0.409835	0.535176	-6.1439
KLK11	-0.26661	-0.08969	-0.82928	0.417317	0.542127	-6.14398
RAB9B	-0.20169	-0.14892	-0.84182	0.409908	0.535235	-6.14401
ATP6V0A1	-0.15855	0.085657	-0.84167	0.409992	0.535309	-6.14414
KBTBD6	-0.15024	0.030049	-0.84154	0.410064	0.535367	-6.14425
DOPEY2	-0.2859	0.320913	-0.82863	0.417674	0.542447	-6.14451
MCCC1	0.174342	0.013568	0.840575	0.41059	0.535958	-6.14505
C4orf17	-0.12561	0.095066	-0.84055	0.410604	0.535958	-6.14507
MMD	0.329137	-0.14653	0.840532	0.410614	0.535958	-6.14508
MEGF9	-0.36212	0.040867	-0.84049	0.410636	0.535958	-6.14512
MRPL32	-0.28656	-0.20069	-0.84046	0.410653	0.535958	-6.14514
CARNS1	0.305048	0.076002	0.840327	0.410725	0.536017	-6.14525
PLAC1L	0.149494	-0.0615	0.764566	0.454511	0.577243	-6.14537
C22orf46	0.187387	-0.20791	0.840146	0.410825	0.536111	-6.1454
TBL1Y	-0.27743	0.58849	-0.83992	0.410946	0.536234	-6.14559
CTSE	0.274795	0.4231	0.839561	0.411145	0.536414	-6.14589
MRPL27	-0.17136	0.064485	-0.83956	0.411148	0.536414	-6.1459
RAB15	-0.33888	0.587385	-0.83952	0.411167	0.536414	-6.14593
NDUFS6	-0.15194	0.092365	-0.83916	0.411362	0.536633	-6.14622

PARD3	0.286459	0.035086	0.838953	0.411478	0.536749	-6.1464
WDR36	-0.17757	-0.12114	-0.83884	0.411537	0.53679	-6.14649
ZFP14	0.377653	-0.31424	0.811257	0.427895	0.552512	-6.14656
TATDN1	-0.30506	0.183758	-0.83867	0.411635	0.536873	-6.14664
ANKRD20A	-0.35803	0.332311	-0.83858	0.411683	0.536873	-6.14671
MS4A6E	-0.23672	0.192082	-0.748	0.464763	0.58665	-6.14676
AGPAT3	-0.26359	0.529998	-0.83839	0.411785	0.53697	-6.14686
SSSCA1	0.199167	-0.06525	0.838275	0.41185	0.537019	-6.14696
MX1	0.532826	0.029552	0.837949	0.412029	0.537145	-6.14723
NT5C1B	-0.15903	-0.1171	-0.82521	0.419567	0.544473	-6.14732
PDE4B	-0.47085	0.52271	-0.83783	0.412094	0.537194	-6.14733
OTUD4	0.17632	-0.22145	0.774455	0.44826	0.571674	-6.14734
POU6F2	-0.12927	0.031693	-0.83776	0.41213	0.537206	-6.14739
ZFAND1	0.21827	-0.67301	0.837061	0.412516	0.53763	-6.14797
RFX1	-0.22805	0.559383	-0.83697	0.412563	0.53763	-6.14804
SEC23IP	-0.14702	-0.2858	-0.83691	0.412598	0.53763	-6.14809
MT1F	0.207123	0.032683	0.836899	0.412605	0.53763	-6.1481
UGGT1	-0.19605	0.441877	-0.83687	0.41262	0.53763	-6.14813
GPR50	-0.1387	-0.05866	-0.8367	0.412714	0.537692	-6.14827
TEDDM1	-0.1998	0.004558	-0.83668	0.412722	0.537692	-6.14828
IVL	0.127117	-0.15086	0.836304	0.412931	0.537918	-6.1486
AUTS2	-0.05599	0.011197	-0.83627	0.412951	0.537918	-6.14863
TRPM7	-0.35258	0.382636	-0.83612	0.413034	0.537962	-6.14875
CENPT	-0.19994	0.528218	-0.83611	0.41304	0.537962	-6.14876
RABGAP1	-0.12739	-0.13971	-0.83596	0.413118	0.537992	-6.14888
ENKUR	0.108053	-0.08538	0.835558	0.413341	0.538247	-6.14921
HS2ST1	-0.13395	0.041294	-0.83531	0.413475	0.538386	-6.14942
CDKL5	0.410212	0.302009	0.771579	0.449921	0.57309	-6.14955
ECT2L	0.089451	-0.01789	0.834027	0.414183	0.539129	-6.15048
SLAIN1	0.210008	-0.01548	0.770245	0.450693	0.573844	-6.15057
TMTC1	0.263056	-0.2909	0.757612	0.45856	0.581067	-6.15064
GATAD2A	0.391249	0.414238	0.833774	0.414322	0.539274	-6.15069
CNPY4	-0.12577	0.132446	-0.83329	0.414586	0.539518	-6.15109
CCNT1	-0.17214	0.297565	-0.83327	0.414598	0.539518	-6.15111
CUZD1	-0.28174	0.115063	-0.83326	0.414602	0.539518	-6.15111
NDUFB2	0.283103	-0.39722	0.833232	0.41462	0.539518	-6.15114
SMAD5-AS	-0.12539	0.113177	-0.76916	0.451321	0.574361	-6.1514
LOC100005	-0.18742	0.292976	-0.83285	0.414828	0.539754	-6.15145
ASPA	-0.20027	-0.01439	-0.83266	0.414933	0.539818	-6.15161
NAP1L2	-0.11961	-0.56214	-0.23955	0.815136	0.878487	-6.15187
RNF133	-0.17313	0.008557	-0.81942	0.42278	0.547881	-6.15205
PRSS16	-0.2038	-0.04794	-0.81923	0.422884	0.547979	-6.1522
LCE3A	0.194644	-0.12541	0.819125	0.422943	0.547983	-6.15228
TSPAN6	-0.2195	-0.03529	-0.63959	0.532172	0.647985	-6.15233
PAPPA	0.135754	-0.16057	0.831681	0.415475	0.540416	-6.15242
TMEM159	-0.22595	0.567485	-0.83147	0.415591	0.54053	-6.15259
MNX1	-0.23932	0.226307	-0.83139	0.415636	0.540545	-6.15266

SET	-0.38176	0.65634	-0.83135	0.415658	0.540545	-6.15269
GAF3	0.353315	0.069625	0.831221	0.415729	0.540602	-6.1528
MYH3	-0.15904	0.254785	-0.83101	0.415844	0.540716	-6.15297
AQP8	0.14273	-0.20559	0.830759	0.415983	0.540861	-6.15318
GNG4	0.155209	-0.22158	0.830355	0.416206	0.541115	-6.15351
POPDC2	-0.30117	0.15219	-0.82997	0.416417	0.541353	-6.15383
ISOC1	0.208553	-0.19231	0.829819	0.416502	0.541392	-6.15395
SPAG16	-0.39694	-0.12824	-0.82958	0.416637	0.541531	-6.15415
C8orf77	-0.2869	0.056137	-0.82946	0.416703	0.541581	-6.15425
TCF3	0.267683	0.256678	0.829291	0.416794	0.541664	-6.15439
PTPRD	-0.25196	-0.27692	-0.7613	0.457647	0.580359	-6.15447
ZNF322	-0.20859	-0.22251	-0.82895	0.416985	0.541876	-6.15467
SRPK2	-0.28208	0.323074	-0.82885	0.41704	0.54189	-6.15476
NR2C2	0.116896	-0.29682	0.828826	0.417051	0.54189	-6.15477
LOC100128	0.138509	-0.13418	0.82841	0.417281	0.542116	-6.15511
CBLN2	-0.18849	0.163372	-0.82824	0.417376	0.542168	-6.15525
GCM2	0.360553	-0.15481	0.764039	0.454295	0.57708	-6.15531
C6orf103	0.258801	0.009992	0.827925	0.417549	0.542357	-6.15551
C6orf132	0.295501	-0.46584	0.459968	0.653854	0.751804	-6.15564
SULT4A1	-0.13998	-0.06327	-0.82772	0.417662	0.542447	-6.15568
PRAMEF8	0.228009	-0.43355	0.799823	0.43432	0.558745	-6.15572
ZNF74	0.199784	0.150499	0.827023	0.418048	0.542897	-6.15625
HSPB11	-0.25515	-0.30069	-0.82697	0.418076	0.542898	-6.15629
DPY19L2	0.084474	0.031822	0.826763	0.418192	0.543004	-6.15647
KRT8P41	-0.18818	0.055935	-0.82672	0.418214	0.543004	-6.1565
SPINK6	0.201867	-0.07899	0.813893	0.425861	0.550634	-6.15653
LOC100507	0.191323	0.11692	0.749689	0.463201	0.58547	-6.1566
Mar-06	-0.19437	-0.13307	-0.82628	0.418459	0.54326	-6.15686
NOTCH2NL	-0.27802	-0.01577	-0.82627	0.418466	0.54326	-6.15687
CELA3B	-0.17855	-0.13116	-0.76182	0.45559	0.578349	-6.157
POSTN	0.242678	0.093017	0.761677	0.45567	0.578414	-6.15711
SKIL	0.331621	0.198973	0.825868	0.418687	0.543512	-6.1572
FERD3L	0.109695	-0.08683	0.797803	0.435462	0.559798	-6.15732
ZNF442	0.125628	-0.08417	0.825099	0.419114	0.543993	-6.15783
C14orf182	0.196247	0.172516	0.824816	0.419271	0.54416	-6.15806
OSBPL1A	-0.23015	0.279201	-0.82418	0.419622	0.544509	-6.15858
TMEM135	0.385773	-0.03857	0.823729	0.419874	0.544799	-6.15895
B3GAT3	-0.13307	0.167779	-0.82355	0.419972	0.54489	-6.15909
RPS27L	0.397622	-1.23237	0.823158	0.420191	0.545138	-6.15942
RAD21	-0.22634	-0.16252	-0.82298	0.420291	0.545232	-6.15956
CCL19	0.184948	-0.49929	0.822871	0.42035	0.545272	-6.15965
NT5C	-0.15516	0.041197	-0.82214	0.420757	0.545765	-6.16025
LENG1	-0.12552	0.204312	-0.82205	0.420805	0.54579	-6.16032
FAM24B	-0.26188	0.081043	-0.8216	0.421054	0.546078	-6.16069
LOC100289	0.174074	-0.48945	0.752557	0.462737	0.584997	-6.16109
CYP4F11	0.170521	-0.12397	0.820985	0.421398	0.546451	-6.16119
LRRC19	0.123597	-0.17178	0.820643	0.421589	0.546662	-6.16147

CA6	0.211932	0.056395	0.82032	0.421768	0.546859	-6.16173
OR10P1	0.159906	-0.25579	0.820179	0.421847	0.546925	-6.16185
OST4	0.196456	0.23089	0.820113	0.421883	0.546936	-6.1619
SLC17A4	-0.16296	0.116771	-0.80689	0.429787	0.554285	-6.16217
RAD54L2	0.139327	-0.07367	0.819488	0.422232	0.547351	-6.16241
PLEK	-0.4287	0.175371	-0.81914	0.422427	0.547568	-6.16269
GTF2A1	-0.05438	0.010876	-0.81899	0.422511	0.547604	-6.16282
OSGEPL1	-0.34354	0.331066	-0.81892	0.42255	0.547619	-6.16287
TTPAL	0.127629	-0.13968	0.818241	0.422926	0.547983	-6.16342
LRRTM4	0.253231	-0.20523	0.818008	0.423057	0.548094	-6.16361
SDS	-0.08996	0.169114	-0.81793	0.423101	0.548115	-6.16368
LINC00116	0.254794	0.012944	0.817751	0.4232	0.548171	-6.16382
SMARCA2	-0.18509	0.280024	-0.81759	0.42329	0.548251	-6.16395
CCDC111	-0.15634	-0.10694	-0.81745	0.42337	0.548318	-6.16407
NARS	-0.22343	0.335894	-0.80438	0.4312	0.555705	-6.16418
SLC50A1	-0.1442	0.179368	-0.81709	0.423568	0.548515	-6.16436
GFI1	0.293758	-0.04879	0.817073	0.423578	0.548515	-6.16437
NAA20	-0.14235	-0.48448	-0.73903	0.469487	0.591204	-6.16451
SFR1	0.350976	-0.02318	0.803956	0.431437	0.555864	-6.16452
ADAL	-0.22641	0.154256	-0.81679	0.423737	0.548632	-6.1646
MED13L	0.204591	-0.28624	0.816761	0.423752	0.548632	-6.16462
SSX2	-0.16512	-0.14304	-0.81665	0.423816	0.548678	-6.16472
SFI1	0.180903	0.164964	0.816521	0.423886	0.548733	-6.16482
COL5A1	-0.3459	0.253854	-0.81642	0.423942	0.548769	-6.1649
C9orf41	0.299399	0.09351	0.7882	0.440914	0.564916	-6.1649
CUL1	-0.31658	0.449938	-0.81618	0.424078	0.548886	-6.1651
PHKG1	-0.11793	0.045654	-0.81616	0.424089	0.548886	-6.16511
C3orf64	0.085413	-0.06823	0.816077	0.424134	0.548909	-6.16518
KDM5A	-0.17526	0.30503	-0.81591	0.424229	0.54896	-6.16532
ZHX3	0.166078	0.006798	0.815628	0.424385	0.549089	-6.16554
MPZ	0.193478	-0.08468	0.802622	0.432189	0.55665	-6.16558
MBNL2	-0.38284	0.309492	-0.81526	0.424592	0.549317	-6.16584
PLAU	-0.27359	0.234149	-0.81516	0.424645	0.549317	-6.16592
LOC643351	0.324024	0.206347	0.544794	0.593027	0.701761	-6.16624
L1TD1	-0.32238	0.612509	-0.81392	0.425342	0.550117	-6.16693
CCL3	0.303369	-0.24211	0.813911	0.425345	0.550117	-6.16693
GIMAP6	0.248672	-0.10484	0.813905	0.425348	0.550117	-6.16694
CTNNAL1	0.261117	-0.27832	0.813397	0.425633	0.550449	-6.16735
IGFN1	0.126798	-0.18769	0.813189	0.425749	0.550528	-6.16752
MCOLN2	0.244618	-0.27604	0.813187	0.425751	0.550528	-6.16752
ZNF25	0.190905	0.041726	0.747595	0.463922	0.586031	-6.1677
LOC286149	-0.30775	0.317088	-0.79979	0.43379	0.55826	-6.16784
OR5A1	-0.15514	-0.09738	-0.81269	0.426031	0.550818	-6.16792
TEAD4	-0.18407	0.218137	-0.81251	0.42613	0.550909	-6.16806
LRIF1	0.225782	0.048407	0.784081	0.443265	0.566965	-6.16813
LOC730227	0.284897	0.076439	0.812323	0.426235	0.551009	-6.16821
NTRK1	0.223773	0.072238	0.733692	0.472656	0.59443	-6.16844

ASB17	-0.40271	0.395915	-0.79892	0.434278	0.558745	-6.16853
MXRA7	-0.22276	-0.19101	-0.81192	0.426462	0.551266	-6.16854
BBOX1	-0.20451	-0.1607	-0.74566	0.465063	0.586961	-6.16914
CHD5	0.153293	-0.01036	0.797997	0.434803	0.559155	-6.16926
EIF2D	-0.20298	0.166301	-0.81071	0.42714	0.55207	-6.16952
PRKAA2	0.352891	0.181864	0.8106	0.427201	0.552107	-6.1696
SPATA7	-0.21647	0.158785	-0.81056	0.427225	0.552107	-6.16964
LOC154822	-0.11014	-0.02635	-0.81035	0.427341	0.55222	-6.1698
PHF21B	-0.16301	0.035315	-0.79729	0.435206	0.559505	-6.16983
TBC1D25	-0.32752	0.221237	-0.81023	0.427405	0.552266	-6.1699
FAM118A	0.269302	-0.04776	0.810187	0.427432	0.552266	-6.16994
CCL7	-0.31874	0.048751	-0.78171	0.444624	0.568258	-6.16998
GEMIN8P4	-0.15353	0.206331	-0.80998	0.42755	0.552368	-6.1701
ZNF280C	0.175682	-0.45819	0.809935	0.427574	0.552368	-6.17014
C12orf70	-0.12301	-0.05226	-0.80989	0.427596	0.552368	-6.17017
CCL23	-0.41286	0.313928	-0.80977	0.427667	0.552391	-6.17027
KIF26A	-0.1782	-0.15446	-0.80976	0.42767	0.552391	-6.17028
CNNM4	-0.1332	0.147769	-0.80963	0.427746	0.552452	-6.17039
ANXA6	0.213837	-0.33424	0.809529	0.427802	0.552453	-6.17047
PXMP2	0.260726	-0.15952	0.809527	0.427803	0.552453	-6.17047
NEK3	0.260974	0.144382	0.809314	0.427922	0.552512	-6.17064
MSI2	0.156346	0.02597	0.809295	0.427933	0.552512	-6.17065
CXXC5	0.230946	0.390284	0.809176	0.428	0.552562	-6.17075
FAM161B	-0.18904	0.262476	-0.74345	0.466368	0.588424	-6.17078
KCNN1	0.116673	-0.42554	0.714625	0.484616	0.60516	-6.17117
TXNRD3	0.228875	-0.00809	0.729896	0.474917	0.596737	-6.17122
C11orf49	-0.14687	0.15583	-0.80847	0.428395	0.553033	-6.17131
FAM195B	0.136846	-0.12463	0.808425	0.428422	0.553033	-6.17135
LOC100506	0.167294	-0.2576	0.808358	0.42846	0.553046	-6.17141
RABEP2	-0.15881	0.302655	-0.8083	0.42849	0.553049	-6.17145
RAD18	0.170677	0.038782	0.808214	0.42854	0.553077	-6.17152
PPP3R1	0.256019	-0.32261	0.807562	0.428907	0.553514	-6.17205
RAD51C	-0.16978	0.009201	-0.80741	0.428994	0.55359	-6.17217
BAG3	0.189009	-0.0971	0.794108	0.437009	0.56116	-6.17235
EEF1A1	0.338648	-0.58818	0.807043	0.429199	0.55379	-6.17246
HNRNPH1	-0.15846	0.24804	-0.80702	0.429213	0.55379	-6.17248
GPR64	-0.4363	-0.09342	-0.80698	0.429234	0.55379	-6.17251
C4orf43	0.202096	-0.43774	0.806796	0.429338	0.553888	-6.17266
KIAA0240	0.21088	-0.03295	0.806725	0.429378	0.553904	-6.17272
RPS6	0.31897	-0.33935	0.806669	0.42941	0.553907	-6.17276
GP5	-0.31122	0.151175	-0.80642	0.429551	0.554054	-6.17296
PRB3	-0.14504	-0.10657	-0.80635	0.429591	0.554068	-6.17302
COX7A2	-0.30237	-0.44422	-0.80529	0.430185	0.554725	-6.17386
MAGI3	-0.26205	0.421978	-0.80519	0.430242	0.554738	-6.17395
TAS2R50	-0.26388	0.046904	-0.80517	0.430254	0.554738	-6.17396
ZNF132	-0.27225	0.338196	-0.79206	0.438175	0.562326	-6.17396
PSMC4	0.103356	0.054487	0.805123	0.43028	0.554738	-6.174

KCNA7	-0.2541	-0.12688	-0.792	0.438207	0.562331	-6.17401
LCA5L	-0.26684	0.052438	-0.79162	0.438425	0.562573	-6.17431
ZNF607	-0.15509	-0.10206	-0.8047	0.430517	0.555007	-6.17434
COL15A1	-0.1901	-0.09666	-0.80443	0.430673	0.555171	-6.17456
FMR1NB	-0.27273	0.226285	-0.73828	0.469429	0.591169	-6.1746
C14orf166	-0.15175	-0.07145	-0.80432	0.430733	0.555213	-6.17464
HNRNPA1F	0.173664	-0.1731	0.73808	0.469549	0.591205	-6.17474
C6orf162	-0.29158	0.168753	-0.8039	0.430973	0.555485	-6.17498
LOC55420	0.172925	-0.11331	0.803747	0.431057	0.555557	-6.1751
SAMD12	0.186813	-0.09789	0.803393	0.431256	0.555741	-6.17538
RNF180	0.225569	-0.26845	0.737089	0.470137	0.591832	-6.17547
SLC36A2	-0.23502	0.027373	-0.80313	0.431405	0.555859	-6.17559
TPPA	0.264862	0.114957	0.789783	0.439469	0.563471	-6.17575
UBE3B	0.293382	0.189224	0.789567	0.439592	0.563592	-6.17592
MTFP1	0.218093	0.051989	0.802061	0.432009	0.55649	-6.17645
ARHGEF4	-0.26455	0.299777	-0.80176	0.43218	0.55665	-6.17669
PGPEP1L	-0.10205	-0.04995	-0.80163	0.43225	0.556692	-6.17679
KRTAP9-8	0.05209	-0.01576	0.801457	0.43235	0.556784	-6.17693
TXNDC16	0.185092	-0.30219	0.600168	0.557434	0.669805	-6.17699
MUC16	-0.16996	0.057296	-0.78773	0.440638	0.56471	-6.17736
POLR2F	-0.11303	0.013389	-0.80074	0.432756	0.55727	-6.1775
VEZT	-0.26171	0.280329	-0.80042	0.432938	0.557458	-6.17776
BCL9L	-0.22209	0.495799	-0.80029	0.433008	0.557458	-6.17785
LOC64699	-0.07246	-0.02045	-0.80028	0.433015	0.557458	-6.17787
DUSP14	0.169474	-0.12571	0.800279	0.433016	0.557458	-6.17787
LOC44120	0.239551	-0.20494	0.799839	0.433265	0.557721	-6.17822
LRRC16A	-0.37054	0.537038	-0.79982	0.433277	0.557721	-6.17823
ANKRD54	-0.12029	0.289478	-0.79958	0.433414	0.557861	-6.17843
BTBD1	-0.1684	-0.36814	-0.79891	0.433792	0.55826	-6.17896
IDH2	-0.16203	0.275143	-0.79886	0.433822	0.55826	-6.179
PDCL	-0.15556	-0.07835	-0.79883	0.433838	0.55826	-6.17902
TMEM87B	0.290561	-0.18718	0.798631	0.433949	0.558366	-6.17918
LOC10050	0.218477	-0.05265	0.797873	0.434379	0.558772	-6.17978
SFMBT1	-0.20443	-0.13394	-0.79774	0.434456	0.558835	-6.17989
ZNF398	0.108615	-0.01153	0.797262	0.434726	0.559145	-6.18026
JMJD8	0.177257	0.286181	0.797122	0.434805	0.559155	-6.18037
RPS27A	-0.26082	0.038709	-0.7971	0.434819	0.559155	-6.18039
TTC21A	-0.24048	0.513067	-0.79703	0.43486	0.55917	-6.18045
PUSL1	-0.14435	0.238988	-0.79693	0.434915	0.559205	-6.18053
LOC10050	-0.15857	-0.0587	-0.79658	0.435115	0.559425	-6.18081
UBXN11	-0.16005	0.158	-0.79591	0.435494	0.559802	-6.18134
TRIM47	0.163611	0.286223	0.795354	0.435809	0.560133	-6.18177
FAM9A	-0.07578	-0.00144	-0.79514	0.43593	0.560252	-6.18194
CLU	-0.26728	0.500734	-0.79488	0.43608	0.560408	-6.18215
OR4K1	-0.17698	0.028934	-0.79406	0.436546	0.560971	-6.1828
SLC39A2	-0.11787	-0.06703	-0.7938	0.43669	0.561037	-6.183
NECAB3	0.199466	0.203513	0.793788	0.436699	0.561037	-6.18301

LOC100655	-0.27052	-0.46536	-0.79377	0.436708	0.561037	-6.18303
REPIN1	0.125701	0.056659	0.793764	0.436712	0.561037	-6.18303
EHMT2	-0.24227	0.817614	-0.7937	0.43675	0.561049	-6.18308
TSPYL5	-0.43239	0.554624	-0.79353	0.436848	0.56109	-6.18322
LOC100125	-0.11959	-0.09139	-0.79352	0.436848	0.56109	-6.18322
OR2C3	-0.13972	-0.07806	-0.78022	0.444943	0.568629	-6.18323
AKR1A1	0.145737	-0.1	0.793392	0.436924	0.561125	-6.18332
ZNF675	-0.12934	-0.43871	-0.79329	0.43698	0.56116	-6.1834
NANOS3	0.134193	-0.01155	0.793073	0.437106	0.561249	-6.18358
VPS37C	-0.18044	0.219802	-0.79245	0.437459	0.561665	-6.18407
BRSK2	0.137519	-0.15001	0.792339	0.437524	0.561711	-6.18416
SATB2	-0.32372	-0.19428	-0.72508	0.4773	0.598887	-6.18424
BTRC	0.146772	-0.3344	0.792181	0.437614	0.56179	-6.18428
C15orf61	-0.23501	0.460959	-0.79124	0.438151	0.562326	-6.18502
NKX6-2	0.15474	-0.23435	0.791219	0.438162	0.562326	-6.18504
OLFML2A	-0.18184	0.057586	-0.7912	0.438174	0.562326	-6.18505
CSNK1A1L	-0.22792	-0.07003	-0.77784	0.446308	0.569927	-6.18508
CASD1	0.221229	-0.56099	0.790328	0.43867	0.562851	-6.18574
RREB1	0.126402	-0.07637	0.790198	0.438744	0.562909	-6.18584
TARS2	-0.13771	0.244326	-0.78987	0.438929	0.563073	-6.1861
HLA-DQB1	0.297572	0.159914	0.789821	0.438959	0.563074	-6.18614
GALNT13	0.254942	0.149719	0.789598	0.439086	0.563201	-6.18631
FGD6	-0.24671	0.041142	-0.78954	0.439121	0.563209	-6.18636
KIF21A	0.105542	-0.07863	0.789397	0.439201	0.563275	-6.18647
SETDB2	-0.17425	-0.20007	-0.78932	0.439247	0.563296	-6.18653
JMJD1C	0.170873	-0.204	0.603665	0.5546	0.667332	-6.18661
LRRC32	0.182845	-0.06446	0.789101	0.43937	0.563418	-6.1867
XKRY2	0.18554	0.007862	0.789009	0.439422	0.563447	-6.18677
PRSS22	-0.19894	-0.0482	-0.72141	0.479506	0.600572	-6.18689
C12orf61	0.177321	-0.25038	0.721367	0.479529	0.600572	-6.18692
IGF2R	0.320645	-0.22429	0.788573	0.439672	0.563657	-6.18712
PRRC2C	0.195568	-0.22091	0.788015	0.439991	0.564028	-6.18756
SNX11	-0.13971	-0.03206	-0.7877	0.440168	0.564188	-6.1878
ABCD2	-0.27961	-0.01789	-0.7877	0.440172	0.564188	-6.1878
ZNF446	-0.14868	0.141957	-0.78714	0.440489	0.564557	-6.18824
CASP6	0.215771	-0.103	0.786744	0.440717	0.564775	-6.18855
MRGPRX1	-0.15672	-0.05527	-0.77332	0.448914	0.57221	-6.18857
DNMBP	-0.17229	0.386726	-0.78654	0.440833	0.564883	-6.18871
TRAF3IP3	-0.16502	0.188879	-0.7865	0.440859	0.564883	-6.18875
ACAA2	0.277421	0.142504	0.77308	0.449054	0.572352	-6.18876
CRYAB	-0.13243	0.002621	-0.78627	0.440986	0.564972	-6.18892
LEPRE1	-0.08673	0.142758	-0.78613	0.44107	0.564982	-6.18903
TESK1	-0.1372	0.408411	-0.78612	0.441072	0.564982	-6.18904
PAFAH1B3	0.200708	0.08637	0.786109	0.44108	0.564982	-6.18905
FAM109A	0.169016	0.072363	0.785859	0.441224	0.565129	-6.18924
TOPORS	-0.24328	0.501345	-0.78577	0.441273	0.565139	-6.18931
LOC728724	-0.22483	-0.19512	-0.77235	0.449473	0.572699	-6.18932

SPOP	0.095651	0.075399	0.78571	0.441309	0.565139	-6.18936
NEUROD1	-0.13003	0.082521	-0.78569	0.441319	0.565139	-6.18937
HADHA	-0.13985	0.101853	-0.7856	0.441373	0.565172	-6.18945
NRG4	0.119577	-0.1069	0.785422	0.441474	0.565265	-6.18959
MKRN7P	0.145958	-0.14394	0.785352	0.441514	0.565279	-6.18964
SH3GLB2	-0.14972	0.384321	-0.785	0.441714	0.565498	-6.18991
CCDC14	-0.18966	-0.18223	-0.78486	0.441798	0.565568	-6.19003
HIST1H2A	0.187165	-0.18502	0.703461	0.490836	0.610786	-6.19016
LOC100329	0.135049	-0.08876	0.784455	0.442028	0.565826	-6.19034
EPO	-0.20372	0.002192	-0.78437	0.442076	0.565851	-6.19041
NALCN	-0.1718	0.100148	-0.78425	0.442144	0.5659	-6.1905
CASP3	-0.2202	-0.32574	-0.78418	0.442184	0.565914	-6.19055
IGSF21	-0.14668	0.027463	-0.78402	0.442277	0.565997	-6.19068
SP3	-0.1937	-0.3429	-0.78389	0.442351	0.566018	-6.19078
SLURP1	0.23748	-0.28777	0.783798	0.442404	0.566049	-6.19085
SLC16A14	-0.13896	0.056914	-0.78366	0.442486	0.566116	-6.19096
ZNF185	-0.25996	0.257151	-0.78322	0.442733	0.566396	-6.1913
GSG1	0.163314	-0.21882	0.769749	0.45098	0.574135	-6.19132
SLC46A1	0.125305	-0.03004	0.783097	0.442806	0.566452	-6.1914
ELOVL7	-0.28186	0.26902	-0.78266	0.443055	0.566733	-6.19174
CAP2	-0.24188	-0.27073	-0.7146	0.483607	0.604247	-6.19178
ACOXL	0.192586	0.06689	0.752914	0.461309	0.583643	-6.19203
LYSMD2	0.256192	-0.13704	0.782232	0.443303	0.566969	-6.19208
ZSCAN20	-0.13449	0.346835	-0.78219	0.443327	0.566969	-6.19211
ZNF350	-0.33673	0.240598	-0.70052	0.492626	0.612469	-6.19223
PSG3	-0.16968	0.006699	-0.76849	0.45171	0.574765	-6.19229
GTPBP8	0.19111	-0.2948	0.781932	0.443475	0.567091	-6.19231
ZNF688	0.135024	-0.10285	0.781925	0.443479	0.567091	-6.19231
MPG	0.132468	-0.08368	0.781438	0.443759	0.567396	-6.19269
CYLC1	0.173692	-0.04819	0.751882	0.461914	0.58422	-6.19281
LIMK1	-0.24005	0.393048	-0.78121	0.443891	0.567506	-6.19287
CDCP1	-0.14584	0.151381	-0.69939	0.493317	0.613219	-6.19303
RIOK2	-0.27425	0.541176	-0.78095	0.444038	0.567658	-6.19307
ANXA2	-0.19543	0.366184	-0.7806	0.444242	0.56788	-6.19335
CD40LG	-0.32088	0.270353	-0.60874	0.550812	0.663956	-6.19343
EFCAB1	-0.16336	0.118618	-0.78041	0.444348	0.567979	-6.19349
TMPRSS11	-0.20589	0.14175	-0.76669	0.452756	0.575797	-6.19367
PYCRL	-0.26452	0.529722	-0.77999	0.444594	0.568257	-6.19382
DFNB59	0.15989	0.161878	0.730625	0.475037	0.59685	-6.19436
ZMAT4	0.247114	0.13018	0.765741	0.453305	0.576271	-6.19439
SCAMP4	-0.12219	0.031398	-0.779	0.445163	0.568872	-6.19459
DPYS	0.170617	-0.44648	0.749465	0.463333	0.585561	-6.19462
IFIT3	-0.69501	0.779645	-0.77884	0.445251	0.568949	-6.19471
NCAPD3	-0.29726	0.566057	-0.77869	0.445341	0.569026	-6.19483
RCN3	-0.263	0.615772	-0.77859	0.445395	0.569058	-6.1949
ICOS	0.403643	-0.62961	0.77839	0.445513	0.569171	-6.19506
KRT73	-0.21736	0.469457	-0.77798	0.445746	0.569432	-6.19538

UBXN2B	-0.37606	0.631805	-0.77781	0.445844	0.56952	-6.19551
LOC100170	0.239541	-0.11648	0.777372	0.446099	0.569795	-6.19585
TAF1D	0.322714	0.065211	0.77734	0.446117	0.569795	-6.19587
GRID1	0.34831	0.121539	0.77717	0.446215	0.569883	-6.19601
FGF16	-0.12644	0.199829	-0.77709	0.446264	0.569908	-6.19607
TTC39B	-0.18822	0.08778	-0.76341	0.454661	0.57732	-6.19617
DOLK	0.147422	-0.09361	0.776707	0.446482	0.570101	-6.19637
SEMG2	-0.13621	-0.01543	-0.77667	0.446502	0.570101	-6.19639
KIAA1522	0.275554	0.383171	0.707969	0.48762	0.607875	-6.19649
DAAM1	-0.16172	0.275211	-0.77634	0.446694	0.570266	-6.19665
MARCKS	-0.22673	0.217207	-0.77631	0.446713	0.570266	-6.19667
ITPA	0.153999	-0.01949	0.776296	0.446719	0.570266	-6.19668
C19orf71	0.247754	0.31012	0.776177	0.446788	0.570271	-6.19678
THUMPD1	-0.23736	0.427753	-0.77616	0.446796	0.570271	-6.19679
GLUD1	-0.18404	-0.20539	-0.77614	0.44681	0.570271	-6.1968
SFXN2	0.164295	0.00982	0.762156	0.455391	0.578144	-6.19712
SPRED2	-0.24754	0.073806	-0.76214	0.455398	0.578144	-6.19713
GBX2	0.210114	-0.28393	0.726424	0.47754	0.599073	-6.19742
LTB4R2	-0.23056	0.136956	-0.77518	0.447363	0.570864	-6.19754
TIGD4	0.274246	0.155339	0.775001	0.447466	0.57096	-6.19768
HDAC1	-0.10732	0.168097	-0.77486	0.447547	0.571001	-6.19779
RAB39B	0.125395	0.164005	0.774845	0.447557	0.571001	-6.1978
ZNF57	-0.18099	0.288611	-0.77474	0.447619	0.571043	-6.19789
GALNTL4	-0.19591	0.101882	-0.77455	0.447728	0.571145	-6.19803
BIRC3	-0.30102	-0.58351	-0.77432	0.447861	0.571277	-6.19821
AKAP9	0.132397	-0.26732	0.773872	0.448119	0.571532	-6.19855
HIST1H2AF	-0.14886	0.173248	-0.77352	0.448324	0.571675	-6.19883
TTC37	0.186853	-0.00012	0.773478	0.448347	0.571675	-6.19886
ZSCAN12	0.175524	-0.35712	0.773475	0.448348	0.571675	-6.19886
IPO13	0.1466	0.114303	0.773325	0.448435	0.571749	-6.19898
RPL27A	-0.21593	0.056541	-0.77294	0.448657	0.571965	-6.19927
WDR66	0.363897	0.24933	0.772931	0.448663	0.571965	-6.19928
HTN1	-0.19818	-0.20538	-0.77257	0.448874	0.572197	-6.19956
UBXN10	-0.11944	-0.09741	-0.77215	0.449114	0.572383	-6.19988
OR7D2	-0.21503	-0.25798	-0.69924	0.494529	0.614563	-6.1999
LOC100506	-0.11994	0.021381	-0.77211	0.449137	0.572383	-6.19991
PNRC2	-0.23292	-0.13946	-0.77182	0.449307	0.572562	-6.20014
TNXB	0.1173	-0.20556	0.77161	0.449427	0.572679	-6.2003
METTL4	0.142976	0.013022	0.771335	0.449587	0.572792	-6.20051
DLEU1	-0.225	0.151454	-0.77131	0.449604	0.572792	-6.20053
KRT20	0.127276	-0.03326	0.771181	0.449676	0.572847	-6.20063
PNMAL1	-0.2098	-0.61111	-0.5599	0.583889	0.693503	-6.20064
SIK2	-0.29715	0.383858	-0.77075	0.449926	0.57309	-6.20096
ZFPM2	0.18101	-0.17408	0.770377	0.450142	0.573328	-6.20124
NOP16	-0.2017	0.415178	-0.76995	0.450389	0.573606	-6.20157
OR6M1	0.160999	-0.32438	0.769783	0.450486	0.573692	-6.2017
CREB3L4	0.161482	0.088899	0.769489	0.450657	0.573835	-6.20193

POTEC	0.191784	-0.15844	0.686564	0.501172	0.621281	-6.20193
LOC374890	0.131092	-0.14647	0.769334	0.450746	0.573874	-6.20204
UBQLN4	-0.23271	0.495989	-0.76866	0.451136	0.57425	-6.20256
CAMK2N1	-0.18686	0.048032	-0.76863	0.451155	0.57425	-6.20258
TMEM1201	-0.04992	0.009984	-0.76862	0.451159	0.57425	-6.20259
REEP2	0.113028	0.323493	0.768486	0.451238	0.574314	-6.20269
GRHL1	-0.11494	0.123621	-0.76831	0.451341	0.574361	-6.20283
PEG3-AS1	0.149444	-0.0566	0.754602	0.459805	0.582267	-6.20284
RTN4IP1	-0.17616	0.033892	-0.76827	0.451363	0.574361	-6.20286
APOOL	-0.20179	0.126248	-0.69791	0.493747	0.613668	-6.20356
HES1	0.323422	0.274569	0.76707	0.452061	0.575174	-6.20378
ERCC8	-0.28022	0.261567	-0.76687	0.45218	0.57525	-6.20393
ZDHHC8P1	0.14876	-0.19885	0.752739	0.460898	0.583311	-6.20424
LARS2	-0.1831	0.264293	-0.76642	0.45244	0.575536	-6.20428
GRAMD3	0.116023	-0.25424	0.766378	0.452463	0.575536	-6.20431
SETD1B	0.249161	0.344447	0.766189	0.452573	0.575639	-6.20445
GJA9	0.160185	-0.2402	0.752429	0.461079	0.583466	-6.20447
P2RY12	0.19581	-0.39912	0.666393	0.514173	0.632576	-6.20458
CYP3A7	0.126014	-0.12981	0.765943	0.452716	0.575783	-6.20464
CPEB1	-0.14528	-0.11875	-0.7656	0.452915	0.575929	-6.2049
TMEM200	0.09637	-0.39361	0.765595	0.452919	0.575929	-6.20491
FREM3	0.276271	0.046872	0.765275	0.453105	0.576128	-6.20515
PXMP4	-0.14871	0.306044	-0.76518	0.453157	0.576158	-6.20522
MRPL30	-0.17656	-0.18809	-0.76509	0.453215	0.576193	-6.20529
RIMS1	0.119184	0.03182	0.764583	0.453507	0.57649	-6.20568
REPS2	0.293989	0.168281	0.764422	0.453601	0.576572	-6.2058
ZNF71	-0.25288	0.247226	-0.76422	0.453722	0.576688	-6.20596
RG9MTD1	-0.20189	-0.25209	-0.76415	0.453762	0.576702	-6.20601
ADPRHL2	-0.11498	0.128492	-0.76401	0.453841	0.576764	-6.20611
C15orf55	0.229314	-0.10942	0.750198	0.46239	0.584671	-6.20615
PRKRA	0.16875	-0.44161	0.431791	0.67209	0.766393	-6.20617
C9orf89	-0.16817	0.019601	-0.76392	0.453891	0.576791	-6.20618
LOC221273	-0.21777	0.237934	-0.75014	0.462422	0.584674	-6.20619
UBE3C	-0.04951	0.009902	-0.76383	0.453945	0.576822	-6.20625
INS	-0.10299	-0.09199	-0.76362	0.454067	0.57694	-6.20641
HIBADH	0.147467	-0.19988	0.763402	0.454195	0.577058	-6.20658
FGG	0.184572	-0.34166	0.763362	0.454219	0.577058	-6.20661
MMP20	0.185823	0.059301	0.749555	0.462768	0.584999	-6.20663
NOVA1	-0.13733	-0.12576	-0.76316	0.454337	0.577096	-6.20676
CYB561D2	-0.10544	-3.26E-05	-0.76309	0.454374	0.577106	-6.20681
SAG	-0.26775	0.356704	-0.76272	0.454595	0.577311	-6.2071
SLC16A2	0.253276	-0.87656	0.442945	0.665773	0.7613	-6.20766
AMIGO2	-0.33276	-0.15319	-0.76178	0.455139	0.577889	-6.20781
RPUSD4	-0.18473	0.291471	-0.76055	0.455858	0.578612	-6.20874
ZNF296	-0.14349	0.340699	-0.76051	0.455885	0.578612	-6.20878
RNF113B	0.2255	-0.11124	0.730318	0.474665	0.596458	-6.20879
WDR6	0.154207	-0.0632	0.760398	0.455948	0.578654	-6.20886

PFN4	0.12254	-0.25281	0.746532	0.464549	0.586499	-6.20889
RP1L1	-0.15228	0.009561	-0.74652	0.464554	0.586499	-6.2089
LOC439914	0.189287	0.190925	0.746198	0.464746	0.58665	-6.20914
C11orf87	0.069333	0.006275	0.759981	0.456192	0.578926	-6.20918
PHKB	-0.12211	-0.02042	-0.75965	0.456387	0.579136	-6.20943
CRTAM	0.311256	-0.32582	0.581945	0.568302	0.679808	-6.2095
NAP1L3	0.308857	-0.50486	0.759448	0.456503	0.579245	-6.20958
RPLP0	0.30739	-0.36083	0.759399	0.456531	0.579245	-6.20962
WDR33	0.133463	0.025131	0.75917	0.456666	0.579377	-6.20979
ZNF790	-0.23173	0.095316	-0.75899	0.456768	0.57947	-6.20992
GTF2H3	0.289228	0.201829	0.758837	0.45686	0.579547	-6.21004
LOC100506	-0.22961	0.28224	-0.75877	0.4569	0.579547	-6.21009
SSPO	0.298644	-0.01827	0.758738	0.456918	0.579547	-6.21012
LSM3	-0.2806	-0.38868	-0.7583	0.457174	0.579835	-6.21045
KYNU	-0.39049	0.362887	-0.75812	0.457279	0.57993	-6.21058
C7orf70	-0.13729	0.029069	-0.75737	0.457718	0.580413	-6.21115
PET112	-0.18533	0.110839	-0.75717	0.457835	0.580523	-6.2113
GXYLT2	-0.21344	0.170408	-0.75712	0.457865	0.580523	-6.21134
ITPKB	-0.25649	0.679077	-0.75698	0.457946	0.580588	-6.21144
C3orf36	-0.19821	-0.09013	-0.75681	0.458048	0.580665	-6.21158
HSPH1	0.404605	-0.00418	0.756778	0.458065	0.580665	-6.2116
MOGAT2	-0.21056	0.211652	-0.74274	0.46679	0.588791	-6.21171
YWHAH	-0.15568	0.26747	-0.7565	0.458229	0.580834	-6.21181
NPRL2	0.093125	-0.01265	0.756433	0.458267	0.580845	-6.21186
ATP6V0E2	0.281958	0.246988	0.756335	0.458325	0.580881	-6.21193
KCNK5	0.224189	0.033346	0.756139	0.458439	0.580988	-6.21208
MAP1S	-0.1495	0.329513	-0.75601	0.458517	0.581049	-6.21218
LINC00313	0.138975	-0.41598	0.671475	0.510508	0.629272	-6.21221
MAFB	0.215331	-0.14465	0.75584	0.458615	0.581098	-6.21231
CLEC12B	-0.45521	0.694277	-0.75578	0.45865	0.581105	-6.21235
C1QL2	-0.17518	-0.23124	-0.74174	0.46738	0.589346	-6.21245
LOC100125	0.208957	-0.20447	0.705404	0.490188	0.610174	-6.21252
C8orf85	0.116853	-0.16673	0.75526	0.458955	0.581454	-6.21274
HECTD1	-0.11525	-0.22532	-0.75512	0.459034	0.581517	-6.21285
ARRDC2	-0.09746	0.275144	-0.75505	0.459075	0.581531	-6.2129
CMBL	0.420653	0.096474	0.754706	0.45928	0.581752	-6.21316
TMSB15B	-0.24707	0.12664	-0.74063	0.468035	0.589792	-6.21327
EIF1AY	-0.40049	0.179995	-0.75428	0.459529	0.582031	-6.21348
ZNF354C	0.091475	-0.0596	0.740011	0.468404	0.590143	-6.21373
CHRNE	-0.17347	0.081415	-0.75384	0.459787	0.582267	-6.21381
SNRPN	0.225731	0.072521	0.753834	0.459791	0.582267	-6.21382
ABCC12	-0.15005	-0.00137	-0.75352	0.459975	0.582431	-6.21405
IFI27L1	-0.15359	0.175453	-0.75349	0.459994	0.582431	-6.21408
HSD17B2	-0.10825	-0.19407	-0.70303	0.491627	0.611462	-6.21419
RPL21	0.237061	-0.22212	0.753301	0.460104	0.582533	-6.21422
P2RX6	0.206691	0.071798	0.682377	0.503294	0.623201	-6.2143
NDRG4	-0.10536	-0.08072	-0.75311	0.460216	0.582637	-6.21436

REG1P	0.152311	0.065623	0.739056	0.46897	0.590666	-6.21444
C17orf79	0.160299	0.00383	0.75292	0.460328	0.582741	-6.2145
LOC100506	0.159963	0.07268	0.722224	0.479505	0.600572	-6.21468
DSCR6	0.144641	-0.10142	0.752481	0.460586	0.58303	-6.21483
VWA5B1	0.128569	-0.21149	0.650597	0.524072	0.641031	-6.21504
CYFIP2	0.15322	0.100925	0.752207	0.460747	0.583196	-6.21504
MTPN	0.177961	0.039447	0.75204	0.460846	0.583283	-6.21517
ZIC4	-0.15432	-0.02118	-0.75186	0.460949	0.583339	-6.2153
GPRIN1	-0.22571	0.454316	-0.75153	0.461147	0.583514	-6.21555
AQP6	0.231064	0.024827	0.68045	0.504486	0.624323	-6.21561
NOC3L	-0.31316	-0.24506	-0.75136	0.461247	0.583603	-6.21568
GJC1	0.226455	-0.04921	0.680219	0.504629	0.624381	-6.21577
GIMAP7	0.225709	-0.00927	0.751116	0.461389	0.58365	-6.21586
ARL6IP4	-0.13046	0.12751	-0.75109	0.461402	0.58365	-6.21588
PHF20	-0.17682	0.075	-0.75109	0.461403	0.58365	-6.21588
CD1D	-0.22409	0.098784	-0.75081	0.46157	0.583823	-6.21609
DGKG	0.191679	0.50291	0.679073	0.505339	0.624865	-6.21655
CCDC23	0.221822	-0.0374	0.75013	0.461969	0.584252	-6.2166
CDADC1	0.19161	-0.17905	0.75003	0.462028	0.584289	-6.21667
DCUN1D3	-0.22579	-0.02658	-0.74981	0.462157	0.584414	-6.21684
OR7E47P	-0.12731	0.041816	-0.7188	0.481559	0.602407	-6.21714
MOBP	0.101108	-0.05818	0.749168	0.462536	0.58478	-6.21732
TMEM8B	-0.19496	0.104573	-0.74871	0.462804	0.585006	-6.21766
ETFB	0.120752	-0.09821	0.747916	0.463274	0.585525	-6.21825
PDILT	0.248368	0.156864	0.676526	0.506917	0.626082	-6.21828
TTYH3	0.193242	0.217951	0.747694	0.463404	0.585614	-6.21842
KLHL26	0.133845	0.181418	0.7476	0.46346	0.585647	-6.21849
RCN2	-0.24536	-0.38604	-0.74726	0.463661	0.585784	-6.21874
SOX10	-0.10985	-0.00787	-0.74723	0.463677	0.585784	-6.21876
ITM2C	0.308513	0.715243	0.747213	0.463689	0.585784	-6.21878
SSX5	0.18643	-0.23054	0.732741	0.472723	0.594477	-6.21909
RBMXL2	-0.20084	0.038138	-0.74678	0.463943	0.586031	-6.2191
RBBP9	0.128681	-0.26368	0.623958	0.541524	0.656435	-6.21914
SLCO1B7	0.086886	-0.02946	0.746455	0.464136	0.586209	-6.21934
BOLL	0.154437	-0.13555	0.74644	0.464144	0.586209	-6.21935
PGP	0.095528	-0.18176	0.746179	0.464299	0.586366	-6.21955
LRRC8B	-0.17702	0.1828	-0.74605	0.464373	0.586423	-6.21964
HAMP	0.25678	-0.30088	0.745823	0.464509	0.586499	-6.21981
MYT1	0.15398	-0.20063	0.660058	0.517637	0.63554	-6.21984
KAZN	0.04801	-0.00967	0.745771	0.46454	0.586499	-6.21985
CDH2	-0.13882	-0.52138	-0.34053	0.738956	0.82151	-6.21996
TSPYL1	-0.16278	0.275057	-0.74558	0.46465	0.586583	-6.21999
ZNHIT1	-0.13672	0.068825	-0.74487	0.46507	0.586961	-6.22052
DUSP2	-0.17207	0.126857	-0.74481	0.465109	0.586974	-6.22057
SFRP5	0.170419	-0.29583	0.67236	0.509507	0.628512	-6.2211
LINC00347	0.225151	-0.37036	0.671686	0.509926	0.628831	-6.22155
TBR1	0.118738	0.041771	0.712591	0.485303	0.60567	-6.2216

DDX39A	0.138557	0.003121	0.743142	0.466094	0.588179	-6.22181
GLRA1	0.158739	-0.12275	0.640029	0.530753	0.64674	-6.2219
ACBD6	0.174163	0.027744	0.742906	0.466234	0.588317	-6.22198
ALS2CL	0.25384	0.23059	0.742619	0.466404	0.588424	-6.2222
SH2D3C	0.163129	0.280561	0.74261	0.466409	0.588424	-6.2222
LIG1	0.187647	0.040671	0.742387	0.466541	0.588553	-6.22237
NRIP1	-0.18366	-0.44233	-0.74219	0.466657	0.588661	-6.22251
NKAPL	0.126386	-0.04781	0.711175	0.486159	0.606507	-6.22261
CSF2	0.255063	-0.09426	0.727714	0.475724	0.597445	-6.22276
ILF2	-0.17004	0.132821	-0.74182	0.466878	0.588864	-6.22279
NAGK	0.146471	-0.00568	0.741664	0.466969	0.588942	-6.2229
ARMC4	0.159462	-0.06655	0.741418	0.467115	0.589088	-6.22309
RAP2A	-0.10048	-0.54424	-0.28386	0.781411	0.853454	-6.22328
PI4KAP2	-0.28157	0.587734	-0.74114	0.467278	0.589255	-6.22329
C1orf53	0.269186	-0.17017	0.740904	0.46742	0.589346	-6.22347
NECAB1	0.236049	0.141629	0.740822	0.467469	0.589346	-6.22353
FLJ13224	0.103415	-0.12021	0.740819	0.46747	0.589346	-6.22353
DDX41	-0.09378	0.235951	-0.7406	0.467598	0.589469	-6.22369
KCNQ1	0.350031	-0.05672	0.74048	0.467672	0.589496	-6.22378
HSP90AB6	0.538897	-0.33534	0.740465	0.46768	0.589496	-6.22379
CHRM2	0.130229	-0.23229	0.538957	0.597399	0.705784	-6.22399
NIF3L1	-0.20271	-0.26039	-0.74019	0.467842	0.589663	-6.22399
GEMIN5	-0.18176	0.344955	-0.74006	0.467923	0.589727	-6.22409
SHANK3	0.183516	-0.12198	0.739897	0.468017	0.589792	-6.22421
HSD17B13	-0.09475	-0.06444	-0.70885	0.487565	0.607874	-6.22427
LOC100129	0.140392	-0.10707	0.653088	0.522016	0.639037	-6.22444
LOC38964	0.235946	-0.04164	0.739418	0.468302	0.59009	-6.22456
LOC100131	-0.15593	0.059723	-0.7393	0.46837	0.590138	-6.22465
CCDC48	-0.24636	0.376688	-0.73892	0.468595	0.590346	-6.22493
FAM27E3	-0.2897	0.375303	-0.73863	0.468772	0.590531	-6.22515
DKFZP586E	-0.21354	-0.06983	-0.73848	0.468859	0.590603	-6.22526
CALCR	0.157168	-0.35976	0.588075	0.56531	0.677142	-6.22557
FRG1B	-0.2036	0.049041	-0.70688	0.48876	0.608783	-6.22567
LOC100507	-0.22223	-0.6794	-0.61341	0.5483	0.661987	-6.22574
FKSG2	-0.27321	-0.47818	-0.4862	0.634423	0.735947	-6.22585
KLHL32	0.127691	-0.45694	0.401204	0.695401	0.785074	-6.22586
EIF4A2	-0.25547	0.02419	-0.7376	0.469382	0.591147	-6.22591
ETAA1	-0.22478	-0.05203	-0.72338	0.478322	0.599786	-6.22591
C10orf68	0.177024	-0.25268	0.535125	0.599984	0.707857	-6.22607
TMEM170I	-0.20233	-0.11995	-0.73733	0.46954	0.591205	-6.2261
CLCA1	0.172282	0.004012	0.705554	0.489564	0.609475	-6.2266
IARS	0.182699	-0.05556	0.736446	0.470067	0.59182	-6.22676
CERS3	0.276344	0.18026	0.736365	0.470116	0.591832	-6.22682
CSTA	-0.33807	-0.26085	-0.73605	0.470302	0.592002	-6.22705
BGLAP	-0.09777	0.265485	-0.73542	0.470681	0.592408	-6.22751
NONO	-0.11447	0.262844	-0.73541	0.470685	0.592408	-6.22752
PDLIM1	-0.26046	0.730037	-0.73532	0.470739	0.592437	-6.22759

LOC400084	-0.15124	-0.12054	-0.735	0.470927	0.592636	-6.22782
RASSF1	-0.14519	0.232066	-0.73426	0.471372	0.593158	-6.22837
ZDHH14	-0.14725	0.430748	-0.73407	0.47148	0.593246	-6.2285
NT5DC3	-0.22813	0.228604	-0.73404	0.471503	0.593246	-6.22853
GPR135	0.099794	-0.01683	0.733338	0.471919	0.593732	-6.22904
ZNF616	-0.13395	-0.03244	-0.73326	0.471965	0.593751	-6.22909
SLC30A10	-0.16911	0.059309	-0.73287	0.4722	0.594009	-6.22938
LOC100507	-0.37894	0.128777	-0.73276	0.472264	0.594033	-6.22946
HOXD12	0.1907	-0.20153	0.732732	0.47228	0.594033	-6.22948
HIST1H4H	-0.37273	0.393016	-0.73239	0.472484	0.594251	-6.22973
SLC28A3	-0.34396	-0.08629	-0.71796	0.481581	0.602407	-6.22982
MAST3	0.199012	0.039488	0.731892	0.472782	0.594512	-6.2301
DDHD2	0.168634	0.020666	0.73158	0.472968	0.594708	-6.23033
SNRPB	-0.10832	0.189237	-0.7313	0.473132	0.594877	-6.23053
PLXNB3	0.306376	0.549701	0.731237	0.473173	0.594889	-6.23058
CC2D2B	-0.39384	0.231359	-0.7309	0.473376	0.595107	-6.23083
GNG3	-0.28518	0.526123	-0.6576	0.518736	0.636621	-6.23094
DEFB118	-0.168	0.001144	-0.71618	0.482653	0.603408	-6.23109
LYSMD4	-0.17098	0.109174	-0.73048	0.473624	0.595381	-6.23113
PCDHAC2	0.217758	0.068209	0.730145	0.473825	0.595594	-6.23137
C7orf57	0.373646	0.224188	0.729711	0.474084	0.595882	-6.23169
PHYH	-0.20477	0.140882	-0.72962	0.474138	0.595911	-6.23176
TYROBP	0.194183	-0.291	0.728966	0.47453	0.596366	-6.23223
SUDS3	0.091185	-0.38505	0.728742	0.474664	0.596458	-6.2324
TPPP	-0.14369	0.126616	-0.64049	0.529983	0.646119	-6.23263
CPN2	0.155358	-0.1845	0.622844	0.541719	0.656549	-6.23284
RS1	-0.14624	0.072753	-0.72801	0.475104	0.59689	-6.23293
BRD1	-0.11336	0.13592	-0.72793	0.475149	0.59689	-6.23299
GPR26	0.209678	-0.28785	0.72788	0.47518	0.59689	-6.23302
SURF6	-0.35821	0.591028	-0.72786	0.475191	0.59689	-6.23304
ZNF680	0.256685	0.088588	0.727406	0.475464	0.597195	-6.23337
DPY19L1P1	0.124759	-0.2294	0.712862	0.484656	0.605172	-6.23347
GTF2H1	-0.23369	0.368063	-0.72714	0.475623	0.597356	-6.23356
CHST9	0.24412	0.146472	0.726817	0.475816	0.597523	-6.2338
RICTOR	0.263886	-0.60955	0.726741	0.475862	0.597542	-6.23385
TMEM176	0.389254	0.056364	0.725973	0.476323	0.598082	-6.23441
TAF1A	-0.19915	0.037586	-0.72584	0.476399	0.59814	-6.2345
TMCC1	0.218804	0.150028	0.725716	0.476476	0.59818	-6.2346
ANO9	0.202754	0.145719	0.725689	0.476493	0.59818	-6.23462
LOC729737	-0.21474	0.355012	-0.72558	0.476556	0.598222	-6.23469
PHF19	-0.1208	0.139787	-0.72544	0.476643	0.598292	-6.2348
MAN1A2	-0.18282	-0.09307	-0.72509	0.476851	0.598478	-6.23505
IMMP2L	0.219316	-0.07835	0.72509	0.476852	0.598478	-6.23505
TP53INP1	-0.20645	-0.27998	-0.72467	0.477102	0.598715	-6.23535
ACSS1	-0.30277	0.400638	-0.72416	0.477409	0.598985	-6.23572
MED17	0.268365	0.27159	0.724052	0.477475	0.599029	-6.2358
SPZ1	-0.14238	0.050936	-0.70957	0.486651	0.607005	-6.23582

PHEX	-0.19861	0.035337	-0.69224	0.497686	0.617858	-6.23594
LOC100509	0.142928	-0.39671	0.723842	0.477601	0.599111	-6.23596
BCL2L10	-0.15074	-0.00558	-0.72365	0.477716	0.599198	-6.23609
LIN28B	0.05685	-0.03566	0.723624	0.477732	0.599198	-6.23611
PSMB10	0.14031	-0.01103	0.723425	0.477851	0.59931	-6.23626
L3MBTL3	0.172055	-0.23289	0.723285	0.477936	0.599377	-6.23636
LOC158863	-0.10682	-0.12462	-0.72304	0.478083	0.599524	-6.23654
CLMP	-0.17026	-0.26001	-0.59541	0.559967	0.672344	-6.23674
MOB3A	-0.16928	0.467137	-0.72255	0.478376	0.599814	-6.23689
CPPED1	-0.25661	0.255657	-0.722	0.478707	0.600153	-6.23729
DCDC2	0.114735	-0.08962	0.721893	0.478772	0.600196	-6.23737
COQ10A	0.179494	0.218474	0.721797	0.47883	0.600219	-6.23743
KIRREL3	0.233091	-0.02659	0.721761	0.478851	0.600219	-6.23746
HIST1H1A	-0.19152	0.02649	-0.70705	0.488177	0.608346	-6.2376
SUGP1	-0.14238	0.161058	-0.72157	0.478968	0.600327	-6.2376
TGFB3	-0.1933	0.474786	-0.72147	0.479025	0.600355	-6.23767
GALNT12	-0.23701	0.104456	-0.5473	0.590946	0.699852	-6.2377
RALBP1	0.148678	-0.00063	0.721428	0.479052	0.600355	-6.2377
BCL11A	-0.19058	0.335397	-0.72128	0.479143	0.60043	-6.23781
BTBD9	-0.16117	0.245255	-0.72103	0.47929	0.600531	-6.23799
C11orf20	-0.09453	-0.08494	-0.72103	0.479292	0.600531	-6.23799
GHDC	-0.12059	0.339354	-0.72096	0.479335	0.600531	-6.23804
GPR113	0.12647	-0.10956	0.720939	0.479346	0.600531	-6.23805
PSAPL1	-0.1805	0.054525	-0.64647	0.525763	0.642337	-6.23823
WDR41	0.305835	-0.04207	0.720668	0.479509	0.600572	-6.23825
ZNF880	0.273836	0.164493	0.72063	0.479532	0.600572	-6.23828
LOC283278	0.223045	-0.17122	0.720323	0.479717	0.600765	-6.2385
FLNC	-0.1969	0.11888	-0.72021	0.479785	0.600803	-6.23858
LOC100507	0.18093	0.108558	0.720171	0.479809	0.600803	-6.23861
HS6ST2	0.204351	-0.32122	0.565761	0.579997	0.690261	-6.23864
NNT	0.227645	0.008438	0.592091	0.562133	0.674161	-6.23873
OLIG3	0.105754	-0.02984	0.719931	0.479953	0.600946	-6.23878
LOC400620	-0.16865	0.117331	-0.64555	0.526344	0.642863	-6.23883
PAIP2B	-0.31723	0.481977	-0.71982	0.48002	0.600991	-6.23886
SGK2	-0.19852	0.212374	-0.7197	0.480091	0.601042	-6.23894
LARP4B	-0.07828	-0.25206	-0.7194	0.480275	0.601233	-6.23916
TTC39A	-0.17848	0.10714	-0.70484	0.489523	0.609462	-6.23917
RSPH1	-0.21424	0.415621	-0.71914	0.480432	0.601392	-6.23935
DKFZP434H	-0.12531	-0.07164	-0.64453	0.526992	0.643438	-6.23949
C15orf44	0.171785	-0.12121	0.71852	0.480804	0.601813	-6.2398
DNAJB8	0.140528	-0.34122	0.665805	0.51454	0.632848	-6.23982
C9orf47	0.250469	0.02069	0.718476	0.48083	0.601813	-6.23983
ATP6VOA4	0.110902	-0.22773	0.611505	0.54902	0.662496	-6.2399
DYNLL1	0.120796	-0.0721	0.71835	0.480906	0.601869	-6.23992
SNAI1	-0.22397	0.543881	-0.71827	0.480952	0.601889	-6.23997
MORN4	-0.21117	0.126647	-0.6289	0.537376	0.65274	-6.24004
KLK2	0.188506	0.006031	0.718112	0.481049	0.601972	-6.24009

GPNMB	0.152923	0.091754	0.717906	0.481174	0.602089	-6.24024
HOXA5	0.210736	-0.02824	0.717642	0.481333	0.602221	-6.24043
LOC100507	-0.15289	-0.0043	-0.71763	0.48134	0.602221	-6.24044
DYNLL2	-0.15591	-0.13689	-0.71737	0.481499	0.602381	-6.24062
DDX20	0.126599	-0.11878	0.717168	0.481619	0.602416	-6.24077
KIAA0894	0.131515	0.048143	0.702561	0.490909	0.61081	-6.24077
MBD5	-0.27482	0.120886	-0.71688	0.481793	0.602594	-6.24097
REG4	-0.13497	0.060022	-0.71682	0.481826	0.602598	-6.24101
SMARCC1	-0.15311	0.14908	-0.71639	0.482089	0.602888	-6.24133
TYRO3	-0.08353	-0.06492	-0.71591	0.482377	0.60321	-6.24167
GPR180	0.244391	-0.02398	0.715781	0.482456	0.60327	-6.24176
GABRR3	0.109936	-0.193	0.715709	0.4825	0.603286	-6.24181
JMY	0.191763	0.002054	0.700914	0.491912	0.611698	-6.24193
C1orf81	0.169253	-0.05287	0.715446	0.482659	0.603408	-6.242
NPL	-0.21796	0.171484	-0.71533	0.48273	0.603459	-6.24209
PPTC7	-0.18897	0.055543	-0.71514	0.482843	0.603562	-6.24222
TSSC1	0.122264	-0.14173	0.71508	0.48288	0.603569	-6.24226
FOXN2	0.19505	-0.20854	0.714573	0.483187	0.603849	-6.24263
MEGF8	0.132418	0.017484	0.714559	0.483195	0.603849	-6.24264
COL13A1	0.136156	-0.14178	0.714556	0.483196	0.603849	-6.24264
HUNK	0.185687	-0.13808	0.714201	0.483411	0.604079	-6.24289
RAB36	-0.3214	0.180694	-0.714	0.483531	0.604191	-6.24303
AMIGO1	-0.19482	0.024624	-0.71373	0.483695	0.604319	-6.24323
NHLRC4	-0.17703	0.265342	-0.71361	0.48377	0.604322	-6.24331
CISD1	-0.20859	0.099861	-0.7136	0.483777	0.604322	-6.24332
SYT5	-0.24355	0.281249	-0.71357	0.483791	0.604322	-6.24334
GAS5	0.297	-0.97165	0.713376	0.48391	0.604433	-6.24348
TRPV3	-0.14021	0.136984	-0.71293	0.48418	0.604731	-6.2438
HRK	-0.2492	0.658302	-0.71279	0.484266	0.604799	-6.2439
DYNLT3	0.165118	-0.85004	0.712279	0.484575	0.605147	-6.24426
SNURF	0.207463	0.083619	0.711962	0.484766	0.605271	-6.24449
C2orf44	0.195396	0.039063	0.711773	0.484881	0.605375	-6.24462
LOC649391	-0.24322	-0.14324	-0.7115	0.485047	0.605544	-6.24482
HCAR3	0.391841	0.626775	0.711284	0.485177	0.605668	-6.24497
PTPDC1	0.145193	-0.20987	0.711213	0.485221	0.60567	-6.24502
TBC1D16	0.13835	0.023352	0.71118	0.485241	0.60567	-6.24505
BTN3A3	0.328915	0.435331	0.711119	0.485278	0.60567	-6.24509
CACNG1	0.098824	-0.04527	0.710869	0.485429	0.605789	-6.24527
PMFBP1	0.131882	-0.34063	0.602098	0.555118	0.667874	-6.24567
POLR2K	-0.1597	-0.41568	-0.71016	0.485858	0.606286	-6.24577
CXXC4	0.142876	0.085726	0.710014	0.485947	0.606359	-6.24588
IDH3B	-0.09338	0.077446	-0.70993	0.486001	0.606387	-6.24594
NAT8	-0.12925	-0.01825	-0.70985	0.486045	0.606403	-6.24599
DKFZP686I	-0.22579	0.193124	-0.70938	0.486334	0.606686	-6.24633
HOXA7	0.217266	0.034913	0.709204	0.486439	0.606779	-6.24645
KREMEN2	0.192692	0.128517	0.708773	0.486701	0.607028	-6.24676
PRO2949	0.155144	-0.53856	0.551236	0.589662	0.698751	-6.24689

SPG20	-0.35432	0.251893	-0.70818	0.487063	0.607441	-6.24718
SGCZ	-0.12586	0.064135	-0.70801	0.487166	0.607531	-6.2473
THBS2	-0.17704	-0.01603	-0.70765	0.48738	0.607703	-6.24755
SEPW1	0.157804	-0.14114	0.707643	0.487387	0.607703	-6.24756
CD163	-0.41264	-0.16522	-0.70763	0.487397	0.607703	-6.24757
NDUFA6	0.241512	0.260299	0.707247	0.487628	0.607875	-6.24784
FAM129C	-0.28614	0.562856	-0.70701	0.487771	0.608014	-6.24801
KAL1	-0.07805	0.041339	-0.70671	0.487953	0.608202	-6.24822
KIAA1377	0.168769	0.156829	0.706489	0.488089	0.608334	-6.24838
MUC17	-0.15414	0.079675	-0.70629	0.488207	0.608346	-6.24851
MTFR1	-0.23773	0.130187	-0.70629	0.48821	0.608346	-6.24852
ITIH5	-0.19909	0.034266	-0.70627	0.488223	0.608346	-6.24853
TAS2R60	-0.09982	-0.08615	-0.70619	0.48827	0.608366	-6.24859
CTAGE7P	-0.17702	0.084137	-0.70612	0.488315	0.608384	-6.24864
S100A7A	-0.23184	-0.00614	-0.70601	0.488377	0.608422	-6.24871
BCORP1	0.121278	0.072767	0.705877	0.488461	0.608488	-6.24881
PASK	0.394129	-0.24075	0.705492	0.488695	0.608741	-6.24908
GPR4	-0.12419	0.117858	-0.70523	0.488852	0.608837	-6.24926
HNRNPF	-0.11344	-0.00443	-0.70487	0.489071	0.609024	-6.24952
LOC147804	0.207797	0.047284	0.628848	0.536989	0.652472	-6.24952
DDX6	-0.15663	0.124699	-0.70482	0.489106	0.609024	-6.24956
GHRLOS	-0.11475	0.00901	-0.70477	0.489132	0.609024	-6.24959
C10orf57	-0.26009	0.203078	-0.70476	0.48914	0.609024	-6.2496
LOC100136	0.25552	-0.1912	0.594347	0.560169	0.672423	-6.25035
ALG1L	0.144023	0.143659	0.703242	0.490066	0.61006	-6.25067
FAM164A	0.098699	0.035913	0.702792	0.49034	0.610324	-6.25098
HAUS3	0.044483	-0.0089	0.702736	0.490374	0.610328	-6.25102
CDK8	-0.20103	-0.08755	-0.7025	0.490516	0.610466	-6.25119
ZNF529	0.241573	-0.08085	0.687324	0.500242	0.620363	-6.25139
C17orf59	-0.08727	0.081527	-0.70207	0.490779	0.610754	-6.25149
NLRP3	-0.22775	0.210892	-0.70185	0.490917	0.61081	-6.25165
GART	-0.32436	0.437672	-0.70164	0.491043	0.61091	-6.2518
LHFPL2	-0.25459	0.240423	-0.70161	0.49106	0.61091	-6.25182
PVRL4	0.283929	-0.03364	0.70155	0.491098	0.610918	-6.25186
DNAJA3	-0.17411	0.190531	-0.70144	0.491164	0.610962	-6.25193
PDE7B	-0.20558	-0.2224	-0.51999	0.609451	0.715794	-6.25242
BRAT1	-0.1447	0.287233	-0.70066	0.491641	0.611462	-6.25248
OVCA2	-0.11305	0.142382	-0.70063	0.49166	0.611462	-6.2525
HRAS	-0.12848	0.252042	-0.70032	0.491851	0.611661	-6.25272
ZNRF3	-0.27406	-0.1542	-0.66732	0.513096	0.631825	-6.25297
CACNA2D1	-0.27576	0.230505	-0.68475	0.501827	0.621823	-6.25316
GIMAP1	-0.21688	0.35461	-0.69945	0.492378	0.612239	-6.25333
ZNF552	-0.23804	0.473796	-0.69915	0.492561	0.612428	-6.25354
TCF7L1	0.211293	-0.07069	0.684187	0.502176	0.622171	-6.25355
GATA6	0.194639	-0.4825	0.684131	0.502211	0.622175	-6.25359
CCL13	-0.19035	-0.17845	-0.62163	0.541623	0.656492	-6.25406
YY1	-0.14947	0.256084	-0.69813	0.493187	0.613128	-6.25426

DDOST	0.07807	-0.05845	0.697909	0.493323	0.613219	-6.25441
PIP5K1B	-0.20385	0.341229	-0.69722	0.493746	0.613668	-6.25489
KRT7	0.121123	-0.14283	0.695964	0.494514	0.614563	-6.25577
PDGFRL	0.043886	-0.00878	0.695193	0.494987	0.615092	-6.25631
DUSP5	-0.28919	0.423383	-0.69497	0.495123	0.615222	-6.25646
LOC28407	-0.14127	-0.11647	-0.51154	0.615236	0.720084	-6.25683
LRRC14	-0.13668	0.261353	-0.6943	0.495532	0.615692	-6.25693
SLC39A3	-0.13381	0.374779	-0.69404	0.495692	0.615852	-6.25711
PPP1R2P9	-0.09169	0.010291	-0.67879	0.505515	0.624907	-6.25725
OR2S2	-0.17209	0.081704	-0.67878	0.505517	0.624907	-6.25725
MLL	0.149971	0.303527	0.693806	0.495838	0.615993	-6.25727
MMRN1	0.221785	0.036422	0.616193	0.545131	0.659258	-6.25745
TMIE	0.26357	-0.08059	0.678473	0.50571	0.624969	-6.25746
PAFAH2	-0.18916	0.481791	-0.69343	0.49607	0.616196	-6.25753
OSBPL10	0.218821	0.334748	0.69342	0.496075	0.616196	-6.25754
KLHDC1	-0.16948	-0.20941	-0.69339	0.496096	0.616196	-6.25756
SFRP4	0.136089	-0.00417	0.677168	0.506519	0.625676	-6.25835
ARHGEF9	-0.20108	0.39616	-0.69204	0.496923	0.617185	-6.2585
PRKAR1B	-0.21541	0.425358	-0.69184	0.497047	0.6173	-6.25864
TMTC4	-0.29956	0.164748	-0.69173	0.497112	0.617341	-6.25871
SESN2	-0.15006	0.012028	-0.69138	0.49733	0.617573	-6.25896
PPIC	-0.16456	0.129475	-0.69116	0.497463	0.617689	-6.25911
RPH3A	0.414356	0.97019	0.691122	0.497487	0.617689	-6.25914
DERL2	-0.11014	-0.27351	-0.69102	0.497548	0.617726	-6.2592
HADH	-0.1446	0.202069	-0.69069	0.497755	0.617904	-6.25944
DHX15	-0.19201	-0.09873	-0.69031	0.497984	0.61815	-6.2597
ATG4D	0.131453	0.160153	0.675156	0.507768	0.626762	-6.25972
LOC10028	0.187285	0.198927	0.68999	0.498183	0.618313	-6.25992
PRIM1	-0.21467	-0.10374	-0.68996	0.498203	0.618313	-6.25994
SYT3	-0.10671	0.069296	-0.68995	0.49821	0.618313	-6.25995
AGTR2	0.145196	0.024632	0.674784	0.507999	0.627007	-6.25997
FKSG83	-0.14184	-0.06765	-0.68976	0.498322	0.618413	-6.26008
TSPAN16	0.175547	0.11564	0.67452	0.508164	0.62717	-6.26015
TGIF1	0.159158	0.194955	0.689632	0.498403	0.618474	-6.26017
FAM69C	-0.04284	-0.00197	-0.68947	0.498503	0.618559	-6.26028
ARHGEF5	-0.18739	0.335702	-0.68941	0.498542	0.618568	-6.26032
COX5B	0.145329	-0.25844	0.689189	0.498676	0.61867	-6.26047
APPL1	-0.22233	0.016037	-0.68917	0.498687	0.61867	-6.26048
LPAR6	-0.32908	-0.75706	-0.61114	0.548404	0.662072	-6.26058
ANGPTL3	0.116903	0.073834	0.610989	0.548498	0.662145	-6.26067
AGPAT1	0.123046	0.193752	0.688838	0.498892	0.618885	-6.26072
TSPAN19	0.150786	-0.06752	0.688375	0.499177	0.6192	-6.26103
MAN1C1	-0.3955	0.872315	-0.68735	0.499806	0.619941	-6.26174
S100A4	0.215383	-0.20546	0.686938	0.500063	0.62022	-6.26203
PDS5A	-0.3158	0.243855	-0.68676	0.500175	0.620319	-6.26215
PARVA	-0.16123	-0.05584	-0.67125	0.510199	0.629039	-6.26236
ZNF639	-0.19606	-0.16288	-0.67121	0.510223	0.629039	-6.26239

NTPCR	0.156835	-0.24396	0.686381	0.500407	0.620518	-6.26241
EGF	-0.2646	0.715457	-0.68634	0.50043	0.620518	-6.26244
ZNF43	0.101801	-0.09133	0.607987	0.550447	0.663802	-6.26251
EFNB3	-0.16561	-0.0074	-0.68585	0.500737	0.620859	-6.26278
SLC6A16	0.119643	-0.12171	0.685697	0.500829	0.620934	-6.26288
RBM19	-0.23983	0.59707	-0.68558	0.500901	0.620985	-6.26296
ZSWIM2	-0.22062	-0.25964	-0.67028	0.510804	0.629556	-6.26301
CAND1	-0.20137	-0.09699	-0.68504	0.501234	0.621318	-6.26333
OLR1	0.460564	0.141121	0.684963	0.501282	0.621339	-6.26338
ANKRD20A	-0.1146	-0.00376	-0.66954	0.511266	0.630047	-6.26351
LEFTY2	-0.1663	0.173137	-0.68452	0.501554	0.621609	-6.26369
CSTF2T	-0.29796	0.384544	-0.68451	0.501563	0.621609	-6.2637
FBRS	-0.12026	0.351111	-0.68414	0.50179	0.621823	-6.26395
C10orf136	0.063964	0.016639	0.684074	0.501831	0.621823	-6.26399
ASPDH	0.07978	-0.02986	0.683553	0.502154	0.622171	-6.26435
TUBA1B	-0.11262	0.096781	-0.68328	0.502321	0.622273	-6.26454
TTC12	-0.2569	0.221826	-0.68286	0.502585	0.622559	-6.26483
TMEM102	0.147107	0.053607	0.682581	0.502755	0.622731	-6.26502
GPR143	-0.21771	0.143884	-0.68249	0.502809	0.622759	-6.26508
EVI5L	0.148647	-0.14013	0.682229	0.502972	0.622921	-6.26526
DIS3L2	0.204271	-0.0636	0.681995	0.503117	0.623027	-6.26542
CHL1	-0.18683	-0.10552	-0.68199	0.503121	0.623027	-6.26542
LOC100501	-0.08328	0.043464	-0.66649	0.51317	0.631876	-6.26556
STRN4	-0.09736	0.270945	-0.68129	0.503554	0.623484	-6.2659
LINC00317	-0.21185	-0.20154	-0.68113	0.503653	0.623542	-6.26601
NHSL1	-0.15406	0.171113	-0.68111	0.503664	0.623542	-6.26602
SPANXA2-C	0.145691	-0.40937	0.647284	0.525679	0.642314	-6.26622
CCDC97	-0.09955	0.170237	-0.68074	0.503894	0.623787	-6.26628
C21orf71	0.183884	-0.21758	0.680507	0.504038	0.623926	-6.26644
KDM5D	-0.79516	-0.55063	-0.68024	0.504201	0.624052	-6.26661
GPR133	-0.1595	0.204821	-0.68024	0.504204	0.624052	-6.26662
LOC64559	0.194061	-0.01279	0.679845	0.504448	0.624315	-6.26689
HOXC10	-0.09514	-0.29954	-0.6643	0.514539	0.632848	-6.26702
L3MBTL4	-0.18956	0.155689	-0.67963	0.504582	0.624377	-6.26703
DCAF4	-0.25959	0.508698	-0.67961	0.504593	0.624377	-6.26705
NDUFB7	0.130705	-0.15675	0.679487	0.504671	0.624383	-6.26713
KLF15	0.268126	0.160875	0.67945	0.504694	0.624383	-6.26716
LILRB4	0.086621	-0.05009	0.679347	0.504757	0.624404	-6.26723
TYR	-0.14036	0.026793	-0.67928	0.504798	0.624404	-6.26727
QTRTD1	-0.08606	-0.01349	-0.67927	0.504807	0.624404	-6.26728
SPAG8	0.206087	-0.23863	0.599964	0.555669	0.668372	-6.26739
HSD17B11	-0.25006	0.012386	-0.67903	0.504953	0.624546	-6.26744
TAF1B	-0.15988	-0.04575	-0.67894	0.505009	0.624575	-6.2675
TMEFF1	-0.22441	0.292385	-0.66349	0.515043	0.633307	-6.26756
ADAMTS17	0.159841	-0.06205	0.583823	0.566639	0.67836	-6.2676
QPCTL	-0.31584	0.270594	-0.66341	0.515095	0.633331	-6.26762
CDK9	-0.15436	0.233555	-0.67866	0.505182	0.62475	-6.26769

SLC19A1	-0.16829	0.349166	-0.67859	0.505224	0.624762	-6.26774
IZUMO2	0.137343	-0.19974	0.678326	0.505391	0.624885	-6.26792
ASCC3	0.239748	0.05475	0.67828	0.505419	0.624885	-6.26795
IFI44	-0.67316	0.13826	-0.6781	0.505533	0.624907	-6.26808
ELP4	-0.17781	0.131536	-0.67796	0.505616	0.624941	-6.26817
EIF2B5	-0.12905	0.241379	-0.67795	0.505624	0.624941	-6.26818
EDNRA	-0.08501	-0.06358	-0.67785	0.505686	0.624969	-6.26825
ERVV-1	-0.0959	-0.08222	-0.58243	0.567553	0.679247	-6.26841
RHOBTB3	-0.2022	0.143286	-0.66212	0.5159	0.634096	-6.26847
CDH5	-0.14233	-0.03583	-0.67738	0.505977	0.62526	-6.26857
BEND3	0.219561	0.134823	0.677092	0.506157	0.625402	-6.26876
FAM19A5	-0.13693	0.045899	-0.6769	0.506277	0.625512	-6.26889
TMEM61	-0.11266	0.001271	-0.67671	0.506393	0.625582	-6.26902
MAGEE1	0.132594	-0.25441	0.676705	0.506397	0.625582	-6.26902
TRAF3IP2-/	-0.3065	0.293969	-0.67648	0.506538	0.625676	-6.26918
DNAJC27	-0.17876	0.227833	-0.67585	0.50693	0.626082	-6.26961
SLC7A3	-0.1704	0.276401	-0.67572	0.50701	0.626141	-6.26969
PXDN	0.061175	-0.03955	0.675625	0.507068	0.626174	-6.26976
EPS8	0.217256	-0.20758	0.675236	0.50731	0.626432	-6.27002
OSGIN2	0.30549	0.24714	0.675133	0.507374	0.626472	-6.27009
PPM1J	0.137789	-0.00749	0.674957	0.507484	0.626568	-6.27021
RNFT2	0.194427	0.176862	0.674712	0.507636	0.626716	-6.27038
RRM1	-0.18135	0.164147	-0.67457	0.507722	0.626762	-6.27047
BTNL9	-0.15387	0.014135	-0.67451	0.507764	0.626762	-6.27052
DEFA1	-0.37877	0.603923	-0.53605	0.599357	0.7075	-6.2708
SAMM50	0.119053	-0.15712	0.673262	0.508538	0.627593	-6.27136
Sep-10	0.142085	-0.45943	0.639017	0.530921	0.646863	-6.27158
MICALL1	-0.18243	0.439212	-0.6729	0.508767	0.627835	-6.2716
SRPX	-0.17643	-0.2355	-0.67283	0.508804	0.627843	-6.27165
LINC00266	0.188649	0.008302	0.638739	0.531097	0.647038	-6.27176
CAMTA1	0.093666	-0.03907	0.672641	0.508925	0.627951	-6.27178
ZNF35	0.415551	0.287301	0.672591	0.508957	0.627951	-6.27181
GABRB1	-0.09073	-0.30553	-0.18126	0.859498	0.910817	-6.27185
IGFL2	0.094354	-0.06143	0.672418	0.509064	0.628045	-6.27193
GLYAT	-0.03532	-0.50143	-0.12439	0.902927	0.942979	-6.27197
TMEM100	-0.14987	-0.26542	-0.46372	0.648779	0.747643	-6.27209
PP2672	-0.14379	0.049619	-0.65658	0.519378	0.637204	-6.27215
CADM1	-0.15294	0.039363	-0.67193	0.509371	0.628384	-6.27226
EME1	-0.17438	0.483372	-0.67127	0.50978	0.62878	-6.2727
APOBEC3H	-0.24618	0.321182	-0.67123	0.509806	0.62878	-6.27273
ZNF473	-0.09839	0.221702	-0.6712	0.509821	0.62878	-6.27275
MOSPD1	-0.21175	0.311616	-0.59091	0.561593	0.67376	-6.27282
AHCYL1	-0.12335	0.055306	-0.67106	0.50991	0.628831	-6.27284
HNRNPA0	0.20648	-0.02855	0.670949	0.50998	0.628857	-6.27292
SLC6A3	0.047556	0.006518	0.655253	0.520216	0.637773	-6.27302
SIN3B	0.15656	-0.14227	0.670767	0.510093	0.628958	-6.27304
CES2	0.104769	-0.17162	0.670271	0.510403	0.629221	-6.27337

NDUFS5	0.200114	-0.21773	0.670142	0.510483	0.629272	-6.27346
TOLLIP	0.098564	0.059138	0.670008	0.510567	0.629304	-6.27355
C18orf18	0.148923	0.052315	0.654389	0.52076	0.638161	-6.27359
ANKRD35	-0.26725	0.308712	-0.66919	0.511076	0.629852	-6.2741
CDH19	-0.19384	-0.40816	-0.58818	0.563385	0.67529	-6.27444
IFNA6	0.245543	-0.15368	0.653065	0.521594	0.638718	-6.27446
HEPN1	0.216051	-0.30604	0.611609	0.548953	0.662496	-6.27475
MDM1	0.152512	0.091507	0.668118	0.511747	0.6306	-6.27482
LOC100130	0.171609	-0.1635	0.571378	0.574862	0.685399	-6.27486
KIF1A	-0.0876	-0.00037	-0.66786	0.511907	0.630742	-6.27499
ARHGDIB	-0.10123	0.152455	-0.66783	0.511926	0.630742	-6.27501
ND4	-0.23477	0.743126	-0.66738	0.51221	0.630981	-6.27532
LOC100193	0.262848	0.13457	0.667366	0.512217	0.630981	-6.27532
RAB9BP1	0.167562	0.018875	0.65172	0.522443	0.639437	-6.27535
OLIG1	-0.24622	0.23223	-0.66714	0.512361	0.631118	-6.27548
LOC653583	-0.1183	-0.3289	-0.43494	0.669461	0.764161	-6.27549
HTR3B	0.114072	-0.12951	0.666918	0.512497	0.631246	-6.27562
KRT5	0.240204	0.036588	0.632655	0.534973	0.650668	-6.27566
GBX1	0.223553	0.106489	0.632576	0.535024	0.65069	-6.27571
C11orf44	-0.09439	-0.10907	-0.65087	0.522978	0.639972	-6.2759
HCP5B	-0.17037	0.11191	-0.63221	0.53526	0.650815	-6.27595
LOC100123	0.148089	-0.2659	0.666361	0.512846	0.631636	-6.276
FAM41C	-0.14994	-0.04919	-0.66614	0.512987	0.631743	-6.27615
KCNC2	0.151439	-0.15948	0.666119	0.512997	0.631743	-6.27616
KCNAB1	-0.1331	-0.19485	-0.65034	0.523313	0.640262	-6.27625
NANP	0.19232	-0.36141	0.549223	0.590051	0.699051	-6.27647
SDR39U1	0.136399	-0.07586	0.665443	0.51342	0.632145	-6.27661
TRPV1	0.132377	0.157532	0.665233	0.513552	0.632267	-6.27675
TGM7	0.090241	-0.13012	0.665123	0.51362	0.632269	-6.27683
NES	0.11343	-0.14882	0.665092	0.51364	0.632269	-6.27685
DEFA5	0.172331	-0.05869	0.665076	0.51365	0.632269	-6.27686
TCL1A	-0.31291	0.326436	-0.665	0.513697	0.632288	-6.27691
AIFM3	0.244639	0.135617	0.66486	0.513785	0.632356	-6.277
AASS	0.153284	-0.15216	0.664648	0.513918	0.63248	-6.27714
CHCHD8	0.1562	-0.06725	0.6645	0.514011	0.632507	-6.27724
YLPM1	-0.24336	0.070086	-0.66449	0.51402	0.632507	-6.27725
LOC440283	-0.20137	0.07708	-0.66443	0.514055	0.632507	-6.27729
PAK1	0.227521	0.01298	0.664406	0.51407	0.632507	-6.2773
ANGPTL7	0.142717	0.058067	0.648527	0.524461	0.641426	-6.27744
TBC1D8B	-0.17135	-0.01823	-0.66418	0.514214	0.632576	-6.27746
KBTBD11	0.146932	-0.44252	0.664163	0.514222	0.632576	-6.27747
CES1	0.391981	-0.17503	0.663901	0.514386	0.632738	-6.27764
SCOC	-0.19969	0.033985	-0.66347	0.514655	0.632949	-6.27793
RNF123	0.177485	0.31377	0.663316	0.514753	0.63303	-6.27803
IAPP	0.145157	-0.12313	0.663198	0.514826	0.633081	-6.27811
CAMLG	-0.11325	-0.02172	-0.66269	0.515144	0.633352	-6.27845
PRELID2	0.267245	0.150299	0.66227	0.515409	0.633638	-6.27873

CPO	-0.10282	-0.09913	-0.64653	0.525727	0.642333	-6.27874
HIC2	0.145522	0.068502	0.661897	0.515642	0.633877	-6.27897
PTPN18	0.128099	0.097596	0.661857	0.515668	0.633877	-6.279
WFDC6	0.105791	0.029867	0.646097	0.525999	0.642505	-6.27902
REXO4	-0.23237	0.765233	-0.66147	0.515911	0.634096	-6.27926
ETV3	-0.09821	-0.1135	-0.66128	0.516028	0.6342	-6.27938
NODAL	0.117013	-0.05571	0.645485	0.526387	0.642863	-6.27942
PLEKHA5	-0.15849	-0.06729	-0.64548	0.52639	0.642863	-6.27942
CNPY2	-0.14566	0.109663	-0.66116	0.516104	0.634254	-6.27946
KCNMB4	-0.2076	0.573538	-0.6611	0.516144	0.634263	-6.27951
SRSF4	-0.106	0.221465	-0.66089	0.516277	0.634387	-6.27965
MSH2	-0.26866	0.105684	-0.66073	0.516375	0.634435	-6.27975
ZFP37	0.041219	-0.00824	0.66072	0.516381	0.634435	-6.27976
LSM11	-0.11564	0.272703	-0.66044	0.516561	0.634616	-6.27995
PPP1R1A	-0.09304	0.002646	-0.66033	0.516627	0.634658	-6.28002
F8	-0.12906	-0.33861	-0.66013	0.516754	0.634774	-6.28015
PRUNE2	-0.27216	-0.21023	-0.62542	0.539602	0.654753	-6.28025
GABRA2	0.166794	-0.00365	0.659617	0.517075	0.635112	-6.28049
TRIML2	0.090658	-0.18543	0.659586	0.517094	0.635112	-6.28051
MYL5	0.16515	-0.07554	0.659501	0.517148	0.635138	-6.28057
PWP2	-0.11117	0.17195	-0.65906	0.517424	0.635437	-6.28086
VKORC1	0.067491	-0.06319	0.658971	0.517481	0.635467	-6.28092
LOC100130	-0.15532	0.160477	-0.65881	0.517581	0.63554	-6.28102
NFATC3	-0.1451	0.170487	-0.65872	0.517637	0.63554	-6.28108
OR2H2	-0.1082	-0.16177	-0.65778	0.51823	0.636228	-6.2817
MED31	-0.12589	-0.17607	-0.65746	0.518432	0.636436	-6.28192
ST7	0.155787	0.344022	0.65715	0.518627	0.63657	-6.28212
UNC93B1	-0.11326	0.012155	-0.65713	0.518638	0.63657	-6.28213
GKAP1	0.190258	-0.17487	0.657131	0.518639	0.63657	-6.28213
UBE2E3	0.140506	-0.04477	0.656962	0.518745	0.636621	-6.28224
NEXN-AS1	0.253658	0.165834	0.656583	0.518983	0.636837	-6.28249
TLCD2	0.212398	-0.22903	0.656579	0.518986	0.636837	-6.2825
DNER	-0.07537	0.013328	-0.65607	0.519304	0.637187	-6.28283
DACT3	0.164185	-0.06232	0.655949	0.519383	0.637204	-6.28291
KIR2DS1	0.312068	0.460632	0.655751	0.519508	0.637318	-6.28304
CNKSR1	-0.07937	0.080445	-0.65565	0.51957	0.637352	-6.28311
LOC100131	-0.12525	-0.20883	-0.6556	0.519601	0.637352	-6.28314
ITGB5	0.270426	0.37242	0.655482	0.519677	0.637403	-6.28322
B4GALT2	-0.23933	0.970487	-0.65541	0.519722	0.637403	-6.28327
TIGD2	0.155646	-0.07514	0.573088	0.573353	0.684392	-6.28328
LTC4S	0.172763	-0.02809	0.655382	0.51974	0.637403	-6.28329
LEMD1	0.140704	0.07226	0.655172	0.519872	0.637525	-6.28342
FAM106CP	-0.21217	0.295135	-0.65508	0.519931	0.637557	-6.28349
GJA10	-0.2095	0.326952	-0.63916	0.530406	0.646518	-6.28351
CCDC74B	0.247571	0.16805	0.654583	0.520244	0.637773	-6.28381
POLR2H	0.139439	0.201147	0.572145	0.573979	0.684972	-6.28383
LRP5	-0.10262	0.227598	-0.65456	0.520261	0.637773	-6.28383

KLHL4	-0.15547	-0.08641	-0.65455	0.520266	0.637773	-6.28384
CSDE1	-0.12613	-0.08254	-0.65454	0.52027	0.637773	-6.28384
KPNA1	0.202532	0.159164	0.654184	0.520496	0.63801	-6.28407
SLFN5	0.202452	0.194167	0.571571	0.57436	0.685087	-6.28416
FBXO2	0.139426	-0.16112	0.654044	0.520584	0.638078	-6.28417
SPEN	-0.32965	0.725749	-0.65386	0.520703	0.638147	-6.28429
LOC28480	0.197574	-0.07002	0.653852	0.520705	0.638147	-6.28429
CXCR1	-0.20655	0.282799	-0.65373	0.520781	0.638161	-6.28437
LOC64340	-0.10154	-0.003	-0.65336	0.521015	0.638386	-6.28462
C9orf82	-0.22092	0.187386	-0.63743	0.531507	0.647377	-6.28462
TOP3A	0.193425	0.160542	0.653267	0.521074	0.638386	-6.28468
SMAD9	-0.15269	0.106798	-0.65326	0.52108	0.638386	-6.28468
MRPL42	-0.18973	-0.24375	-0.65323	0.521095	0.638386	-6.2847
CCR7	0.34014	0.215483	0.653105	0.521176	0.638406	-6.28478
SEMA3B	-0.18477	0.291247	-0.6531	0.521177	0.638406	-6.28478
FCRL3	-0.18204	0.758448	-0.6528	0.521369	0.638601	-6.28498
SV2A	-0.13729	0.109219	-0.65274	0.521406	0.638607	-6.28502
ZNF658	0.184364	-0.84646	0.652644	0.521468	0.638642	-6.28509
C9orf53	-0.16612	-0.33151	-0.59453	0.560053	0.672382	-6.28517
CHP	-0.1463	0.181499	-0.65249	0.521567	0.638718	-6.28519
CIDECP	-0.09778	0.092904	-0.65213	0.521795	0.638923	-6.28543
MTHFD1	0.156292	0.061285	0.652005	0.521871	0.638977	-6.28551
SLC41A2	-0.16478	-0.04979	-0.61685	0.545114	0.659258	-6.28562
RASL10A	-0.14635	0.256636	-0.65181	0.521997	0.639037	-6.28564
MMP10	-0.14275	0.214533	-0.63582	0.532532	0.648383	-6.28565
TPH2	0.07015	-0.04731	0.651772	0.522018	0.639037	-6.28566
ZNF673	-0.18555	0.003178	-0.65148	0.522201	0.639221	-6.28585
RIOK3	0.167898	-0.23223	0.651371	0.522272	0.639267	-6.28592
IFT140	-0.2014	0.553649	-0.65098	0.522522	0.639494	-6.28618
AMMECR1	-0.21029	0.061373	-0.65029	0.522958	0.639972	-6.28663
USP41	-0.30777	0.423798	-0.6501	0.523073	0.640014	-6.28675
CDC27	-0.09929	-0.16725	-0.6501	0.523078	0.640014	-6.28675
SPATA12	0.093341	-0.14361	0.649611	0.523385	0.640277	-6.28707
LOC73010	0.206111	-0.00169	0.649602	0.52339	0.640277	-6.28708
SLC5A4	-0.12685	-0.26271	-0.56223	0.581815	0.691878	-6.28724
DEFB126	0.213044	-0.11088	0.632982	0.534344	0.65008	-6.28746
CLECL1	-0.12757	-0.28227	-0.28799	0.777943	0.85128	-6.28777
PLP1	0.132649	-0.12549	0.565247	0.578567	0.688978	-6.28779
SEH1L	0.173612	-0.16526	0.648318	0.524203	0.641151	-6.28791
SELPLG	-0.12159	0.072259	-0.64778	0.524543	0.641486	-6.28826
IMPDH2	0.145726	-0.189	0.647596	0.524661	0.641583	-6.28839
KLRC2	0.182999	-0.14623	0.647554	0.524687	0.641583	-6.28841
ODF1	-0.24275	0.294342	-0.56408	0.579344	0.689693	-6.28845
OR11H12	-0.20537	-0.10049	-0.64748	0.524735	0.641601	-6.28846
ALS2CR11	0.198143	-0.17995	0.647331	0.524829	0.641676	-6.28856
FDX1	-0.14091	0.055507	-0.64718	0.524925	0.64172	-6.28866
ZNF528	0.19719	0.028628	0.64717	0.52493	0.64172	-6.28866

LOC73227!	0.24115	-0.04742	0.646913	0.525093	0.64187	-6.28883
CCNK	0.326887	-0.02304	0.646873	0.525119	0.64187	-6.28886
PLAC1	0.162674	-0.38105	0.630698	0.535805	0.651316	-6.28892
DEPDC4	-0.11175	0.011931	-0.64667	0.525247	0.641987	-6.28899
LOC100121	0.104571	0.126776	0.64648	0.525368	0.642095	-6.28911
CDC45	-0.16076	-0.04722	-0.64639	0.525426	0.642125	-6.28917
GRIA4	0.151708	-0.15934	0.64628	0.525495	0.64217	-6.28924
DAP	-0.11356	0.163219	-0.64614	0.525581	0.642235	-6.28933
CBX3P2	-0.09218	0.016981	-0.56197	0.580753	0.690993	-6.28965
SCAMPER	0.133123	-0.15155	0.645611	0.525919	0.642488	-6.28968
SLC6A12	0.200933	0.3941	0.645546	0.525961	0.642498	-6.28972
WISP3	0.113647	-0.08721	0.561549	0.581034	0.691201	-6.28989
HYAL3	0.224537	-0.00774	0.644529	0.526606	0.643086	-6.29038
FLJ40606	-0.18213	-0.19265	-0.64426	0.526779	0.643258	-6.29055
CLEC11A	-0.1519	0.366378	-0.6442	0.526814	0.643259	-6.29059
C7orf26	0.078253	0.035198	0.643806	0.527065	0.643486	-6.29085
ATP5B	0.096286	-0.14107	0.643678	0.527146	0.643517	-6.29093
SPAG6	0.298969	0.101834	0.643663	0.527156	0.643517	-6.29094
HTR3E	-0.18704	-0.21452	-0.64351	0.527251	0.643593	-6.29104
ZMYM4	-0.11707	-0.08619	-0.39829	0.695723	0.785344	-6.29108
CARD14	0.198938	0.119363	0.643382	0.527334	0.643648	-6.29112
JAGN1	0.122152	-0.10263	0.64334	0.527361	0.643648	-6.29115
LINC00303	-0.03989	0.007978	-0.64311	0.527508	0.643787	-6.2913
PAXIP1	0.086833	-0.19745	0.642735	0.527746	0.643997	-6.29154
FAM96B	-0.1068	-0.00607	-0.64273	0.527746	0.643997	-6.29154
LOC100121	0.176908	0.003051	0.642541	0.527869	0.644106	-6.29166
RARS2	-0.13368	-0.291	-0.64225	0.528057	0.644281	-6.29186
XKR8	-0.09873	0.152324	-0.64221	0.528078	0.644281	-6.29188
DGKZ	-0.15783	0.625012	-0.64204	0.528185	0.644372	-6.29199
HOMER1	0.034997	-0.17189	0.137654	0.892361	0.935673	-6.292
MED16	-0.11119	0.34754	-0.64165	0.528434	0.644627	-6.29224
UBAC1	-0.07016	0.021724	-0.64161	0.528463	0.644627	-6.29227
TATDN2	0.151199	0.007757	0.64156	0.528493	0.644627	-6.2923
REM2	-0.31322	1.034917	-0.64126	0.528682	0.644818	-6.29249
EIF2A	-0.17028	-0.08567	-0.62488	0.539535	0.654712	-6.2926
BTG2	-0.11272	0.080563	-0.64107	0.528804	0.644926	-6.29261
A2LD1	-0.3171	0.075801	-0.64063	0.529086	0.64523	-6.2929
ERRFI1	-0.12058	-0.13258	-0.64053	0.529148	0.645265	-6.29296
DUS1L	0.101718	0.047639	0.640086	0.529431	0.64557	-6.29325
FLI1	-0.16522	0.132287	-0.63962	0.529725	0.645889	-6.29355
MAP1B	0.142554	0.109089	0.639491	0.52981	0.645952	-6.29363
WDR7	-0.1047	-0.28133	-0.63917	0.530013	0.646119	-6.29384
ASNSD1	-0.18096	-0.37319	-0.63892	0.530174	0.646276	-6.294
C22orf13	-0.19278	0.357137	-0.63846	0.530466	0.646551	-6.29429
C1orf204	0.192028	0.155384	0.6382	0.530632	0.646675	-6.29446
LOC100506	-0.18698	0.148686	-0.63816	0.530658	0.646675	-6.29449
SPTLC3	0.091542	0.048214	0.638146	0.530667	0.646675	-6.29449

DNAH3	-0.1029	0.152582	-0.63793	0.530804	0.646762	-6.29463
GALNT11	-0.11806	-0.27447	-0.63718	0.531284	0.647204	-6.29512
HILPDA	0.134843	0.030179	0.637155	0.531299	0.647204	-6.29513
GPLD1	0.076192	-0.12994	0.431152	0.671516	0.766095	-6.29524
C14orf49	-0.17083	0.109683	-0.63688	0.531478	0.647377	-6.29531
FSTL4	0.15792	-0.11184	0.636488	0.531725	0.647568	-6.29556
PMS2P5	-0.14427	-0.12377	-0.63648	0.53173	0.647568	-6.29556
CD3EAP	-0.1156	0.229236	-0.63596	0.532065	0.647895	-6.2959
LY86-AS1	-0.12607	-0.10292	-0.6196	0.542935	0.657576	-6.29591
NRCAM	0.080737	-0.1967	0.599711	0.55623	0.668797	-6.29616
ORF1	0.234658	-0.24104	0.618606	0.543574	0.658147	-6.29653
LOC100128	-0.2021	0.293431	-0.63464	0.532903	0.648795	-6.29674
LOC151658	-0.28008	0.091585	-0.63458	0.532946	0.648807	-6.29678
RGS9BP	0.069514	0.01389	0.618084	0.543911	0.658433	-6.29686
ITGA2B	0.304036	0.43333	0.634081	0.533262	0.649151	-6.2971
IRX2	-0.10212	-0.34674	-0.51082	0.616096	0.720716	-6.29712
AGPAT4-IT	-0.18103	0.194282	-0.63384	0.533418	0.649266	-6.29725
MRPL24	-0.15152	0.195682	-0.63383	0.533423	0.649266	-6.29726
DNAH11	0.237142	-0.19615	0.633662	0.53353	0.649357	-6.29736
SNX8	-0.21114	0.584431	-0.6335	0.533635	0.649444	-6.29747
COLEC12	0.127242	-0.18074	0.633328	0.533743	0.649535	-6.29758
WIPF2	0.110768	0.064215	0.632799	0.534082	0.649907	-6.29791
HSP90AB3	0.264275	-0.07127	0.616286	0.545071	0.659258	-6.29798
BTN2A2	-0.20061	0.359511	-0.63256	0.534237	0.650037	-6.29807
LOC200726	0.112721	-0.19025	0.632528	0.534255	0.650037	-6.29809
LOC284926	-0.06771	-0.01476	-0.63237	0.534357	0.65008	-6.29819
PXDNL	0.107927	-0.19014	0.59635	0.558423	0.67082	-6.29819
C3orf70	-0.24636	0.24895	-0.63197	0.534613	0.650351	-6.29844
CYTIP	-0.11197	0.21549	-0.63189	0.534666	0.650375	-6.29849
BCAT2	-0.13299	0.35112	-0.63142	0.534965	0.650668	-6.29879
MTUS1	-0.14253	-0.00738	-0.52826	0.60382	0.711259	-6.29885
MLIP	0.140143	-0.01851	0.545408	0.591864	0.700767	-6.29892
FNTB	-0.15629	0.474708	-0.63112	0.535154	0.650779	-6.29898
DROSHA	0.142575	0.077972	0.631058	0.535197	0.650779	-6.29902
RNASEK	-0.10484	0.165468	-0.63106	0.535197	0.650779	-6.29902
TMEM45B	0.336911	0.416497	0.630825	0.535346	0.650879	-6.29917
SSBP4	-0.13695	0.414616	-0.63071	0.535421	0.65093	-6.29924
KLHL21	-0.13242	0.202206	-0.63013	0.535794	0.651316	-6.29961
NUDT6	-0.14583	0.060709	-0.62996	0.535898	0.651388	-6.29972
ACCN5	-0.16789	-0.00611	-0.62939	0.536264	0.651793	-6.30008
SPRR2D	-0.12478	-0.02459	-0.62917	0.536404	0.651923	-6.30022
HPS3	-0.12694	-0.30301	-0.62909	0.536456	0.651937	-6.30027
ZFP42	-0.14014	0.052878	-0.62905	0.536482	0.651937	-6.30029
PHLDB1	0.147717	-0.02478	0.62841	0.536894	0.652397	-6.3007
MTSS1	0.205788	0.074527	0.61166	0.548064	0.661743	-6.30084
PNLDC1	-0.25527	0.610719	-0.62816	0.537054	0.652509	-6.30086
WNK2	-0.12161	0.032352	-0.62811	0.537086	0.652509	-6.30089

SETD2	-0.25682	0.367516	-0.62781	0.53728	0.652704	-6.30108
RPL13AP3	0.181293	-0.03053	0.627715	0.537341	0.652737	-6.30114
MRPS6	0.120874	0.103322	0.627465	0.537501	0.652851	-6.3013
LYZL2	0.130786	-0.13156	0.52365	0.606958	0.713849	-6.30131
BZRAP1	-0.10358	0.40112	-0.62725	0.537642	0.652982	-6.30144
GNGT1	0.139848	-0.1702	0.62718	0.537684	0.652992	-6.30148
TRUB1	0.037397	-0.00831	0.590705	0.562117	0.674161	-6.30158
FYTTD1	-0.16753	-0.23842	-0.62694	0.537838	0.653139	-6.30163
C6orf136	-0.07535	0.207194	-0.62685	0.537893	0.653165	-6.30168
DGKQ	0.127617	-0.23403	0.626636	0.538034	0.653295	-6.30182
CASKIN1	-0.10275	-0.03534	-0.62637	0.538204	0.653463	-6.30199
HIST1H2BC	-0.2237	0.213321	-0.62625	0.538281	0.653477	-6.30206
HTR5A	0.123543	-0.15841	0.626246	0.538283	0.653477	-6.30207
SCN11A	0.05763	-0.01281	0.58977	0.56273	0.674794	-6.30213
C3orf49	-0.16851	0.062797	-0.62565	0.538665	0.6539	-6.30244
SLC39A6	0.197593	-0.35869	0.625184	0.538966	0.65419	-6.30274
ALDOA	0.097986	0.040795	0.625178	0.538971	0.65419	-6.30274
KLK5	-0.09789	-0.10961	-0.62502	0.53907	0.654271	-6.30284
SMCHD1	-0.17826	0.365146	-0.62475	0.539245	0.654442	-6.30301
SMN2	0.172799	-0.16217	0.624345	0.539506	0.654712	-6.30326
KY	-0.10518	-0.03469	-0.6073	0.550891	0.663982	-6.30352
CHCHD2	-0.16188	-0.20089	-0.62383	0.539835	0.654995	-6.30358
DHX58	0.237319	0.0356	0.623648	0.539954	0.655095	-6.3037
TSPAN33	-0.2493	0.665777	-0.6236	0.539984	0.655095	-6.30373
ZBTB20-AS	0.075695	-0.04062	0.623466	0.540072	0.655161	-6.30382
ZNF221	-0.1807	-0.06246	-0.53638	0.597962	0.706237	-6.30386
TNFRSF18	-0.13872	0.22407	-0.62331	0.54017	0.65524	-6.30391
NRSN1	0.111599	0.06196	0.623094	0.540311	0.655371	-6.30405
CLIP2	0.180137	0.393164	0.623022	0.540358	0.655386	-6.30409
SUN1	-0.19782	0.154083	-0.62271	0.540555	0.655571	-6.30429
NDFIP2	-0.22672	0.185915	-0.62263	0.540613	0.655571	-6.30434
TMPRSS11	-0.16325	-0.02826	-0.62259	0.540634	0.655571	-6.30436
SOX14	-0.2038	0.136057	-0.62258	0.540644	0.655571	-6.30437
WIBG	0.120297	-0.23732	0.622498	0.540695	0.655592	-6.30442
H2AFJ	0.113486	0.099923	0.622301	0.540822	0.655706	-6.30455
LRP2BP	-0.11496	-0.05525	-0.62159	0.541278	0.656218	-6.30499
ZFP82	-0.2845	0.293672	-0.62125	0.541499	0.656435	-6.3052
SAMHD1	0.121849	-0.00975	0.584562	0.566152	0.677992	-6.30523
PPFIA4	0.138613	-0.01111	0.407561	0.688438	0.779321	-6.3053
SRP9	0.272596	0.163558	0.621036	0.541637	0.656492	-6.30534
GGN	0.101786	-0.05103	0.620553	0.541949	0.656788	-6.30564
RBFA	0.214996	0.050797	0.620465	0.542005	0.656816	-6.3057
AMBRA1	0.126827	0.06408	0.620405	0.542044	0.656822	-6.30573
ADAMTS14	0.058352	0.043763	0.620293	0.542116	0.656869	-6.3058
YOD1	-0.21617	-0.7471	-0.61972	0.542484	0.657259	-6.30616
NKD1	-0.16917	0.195115	-0.61969	0.542505	0.657259	-6.30618
TEX19	0.259586	-0.10269	0.619589	0.54257	0.657297	-6.30624

POU5F1P3	0.111682	-0.32635	0.619532	0.542607	0.657301	-6.30628
RRAS	-0.17122	0.512145	-0.61911	0.54288	0.657576	-6.30654
PPP4R4	0.155914	0.068209	0.619038	0.542926	0.657576	-6.30659
RSPO2	0.136166	0.0817	0.618674	0.543161	0.657809	-6.30681
DSEL	0.245949	0.14757	0.618472	0.543292	0.657927	-6.30694
TRIL	-0.14277	-0.08033	-0.61838	0.543352	0.657959	-6.307
RRP7B	0.125919	0.142995	0.618257	0.54343	0.658013	-6.30707
DHCR24	-0.19016	0.524413	-0.61787	0.543682	0.658237	-6.30732
PABPC4	-0.18699	0.408486	-0.61775	0.543759	0.658289	-6.30739
ZGPAT	0.09607	-0.02592	0.617248	0.544082	0.65857	-6.3077
ARHGAP31	-0.04554	0.002527	-0.61723	0.544092	0.65857	-6.30771
ILDR1	0.119812	-0.60307	0.617149	0.544146	0.658595	-6.30776
CRYBA1	-0.14077	-0.45564	-0.58019	0.569034	0.680562	-6.30781
GPR116	-0.24798	-0.24096	-0.61695	0.544274	0.658709	-6.30789
TNFSF12	0.117756	0.032759	0.616569	0.544521	0.65891	-6.30812
TNRC6B	-0.10464	0.150507	-0.61654	0.544538	0.65891	-6.30814
MYOM2	0.460299	0.466426	0.616538	0.544541	0.65891	-6.30814
NCKAP5	-0.13258	0.010751	-0.59925	0.556138	0.668768	-6.30843
ACYP2	0.147134	-0.01229	0.61606	0.54485	0.659225	-6.30844
FZD5	-0.18758	0.08572	-0.61603	0.544868	0.659225	-6.30846
GORASP1	0.164694	0.149372	0.599057	0.556261	0.668797	-6.30854
PYCR2	0.110759	0.226426	0.615832	0.544997	0.659258	-6.30858
CEP170	0.166933	0.057896	0.527593	0.603932	0.711273	-6.30859
STK32A	0.126388	-0.08691	0.61577	0.545037	0.659258	-6.30862
STAT6	-0.11776	0.190037	-0.61577	0.545037	0.659258	-6.30862
LOC44029	-0.10809	-0.19379	-0.61576	0.545044	0.659258	-6.30862
SIRT4	0.203396	0.326535	0.615385	0.545287	0.659405	-6.30886
NF1	-0.1613	-0.11008	-0.61527	0.545364	0.659458	-6.30893
ZNF212	0.109822	-0.17693	0.615181	0.545419	0.659484	-6.30898
SCN1B	-0.26578	0.722299	-0.61493	0.54558	0.659608	-6.30914
TMEM111	-0.10273	0.106754	-0.61492	0.545589	0.659608	-6.30915
ZC3H10	-0.08052	0.094597	-0.61476	0.545693	0.659668	-6.30925
PLEKHA7	-0.25847	0.142942	-0.61465	0.54576	0.659668	-6.30931
PCK1	-0.12604	-0.04109	-0.61464	0.545772	0.659668	-6.30932
PCDHA9	0.179357	-0.41137	0.614592	0.5458	0.659668	-6.30935
CYB5RL	0.143771	0.06318	0.614581	0.545807	0.659668	-6.30936
SCAF1	-0.12657	0.550488	-0.61435	0.545958	0.659811	-6.3095
FASTK	-0.09827	0.118823	-0.61423	0.546034	0.659861	-6.30957
CUEDC1	0.207072	0.152569	0.613711	0.54637	0.660227	-6.30989
FAM131A	-0.12877	0.192833	-0.61366	0.546404	0.660227	-6.30993
EVPLL	-0.1492	-0.03653	-0.61355	0.546472	0.660239	-6.30999
OPN3	-0.18903	0.246376	-0.61354	0.546481	0.660239	-6.31
CREB3L3	-0.36736	1.229631	-0.6128	0.546961	0.660777	-6.31046
ADCY1	-0.1627	-0.37267	-0.61235	0.547255	0.661054	-6.31074
C15orf41	-0.13634	-0.01319	-0.61234	0.547257	0.661054	-6.31074
IREB2	0.090864	-0.14506	0.612218	0.547338	0.661111	-6.31082
FAM27L	-0.12559	-0.25693	-0.61209	0.547424	0.661174	-6.3109

AKAP7	-0.15522	-0.44097	-0.61189	0.547548	0.661283	-6.31102
GPR21	-0.12286	-0.09213	-0.61175	0.547638	0.661351	-6.3111
CASK	-0.19852	0.200635	-0.61035	0.548548	0.662164	-6.31197
PEF1	-0.08883	0.112066	-0.61024	0.548622	0.662213	-6.31204
VIPR1	0.311877	-0.15076	0.609967	0.548798	0.662385	-6.3122
NPTX2	-0.13775	-0.1067	-0.36877	0.716885	0.802987	-6.31235
RC3H1	-0.20046	0.384164	-0.60963	0.54902	0.662496	-6.31241
NAT9	0.093542	-0.00312	0.609617	0.549025	0.662496	-6.31242
SNTB2	-0.13455	0.274785	-0.60904	0.549404	0.662863	-6.31278
TRMT61A	0.15878	0.193831	0.609008	0.549421	0.662863	-6.31279
FAM86EP	0.166974	0.119083	0.608992	0.549431	0.662863	-6.3128
ARHGAP29	0.080257	-0.01783	0.57111	0.57504	0.68557	-6.3131
RAI1	-0.15223	0.321704	-0.60828	0.549896	0.663383	-6.31324
FAM162A	-0.16873	0.144311	-0.60797	0.550097	0.663584	-6.31343
SNHG12	0.127308	-0.1801	0.607847	0.550175	0.663607	-6.3135
ULK1	-0.1305	0.080888	-0.60783	0.550184	0.663607	-6.31351
SYT16	-0.14826	-0.00257	-0.60767	0.550294	0.663695	-6.31362
NAALADL1	0.089917	0.048418	0.607618	0.550324	0.663695	-6.31364
SF3B2	0.09626	0.127158	0.60733	0.550511	0.663819	-6.31382
CNOT6	-0.17991	0.005374	-0.60728	0.550541	0.663819	-6.31385
MAN2B1	-0.12251	0.236591	-0.6072	0.550597	0.663819	-6.3139
GPI	0.136069	-0.00415	0.607188	0.550604	0.663819	-6.31391
C16orf74	-0.23439	0.051697	-0.60715	0.55063	0.663819	-6.31393
MAST4	0.177167	-0.10496	0.606975	0.550743	0.663914	-6.31404
SMYD5	0.164686	0.11172	0.606731	0.550901	0.663982	-6.31419
COX6B1	0.120035	-0.01282	0.606616	0.550976	0.664032	-6.31426
LOC727845	0.194361	-0.03044	0.606438	0.551092	0.664099	-6.31437
FAM114A1	0.109584	-0.0753	0.606378	0.551131	0.664099	-6.3144
STARD5	-0.12023	0.289944	-0.60637	0.551134	0.664099	-6.31441
CYTB	-0.20073	0.588544	-0.60621	0.551238	0.664184	-6.3145
ARMCX2	-0.18164	0.419154	-0.51634	0.611619	0.717523	-6.31454
CCDC153	0.125745	-0.01573	0.605296	0.551836	0.664824	-6.31506
C6orf62	-0.16975	-0.14075	-0.60529	0.551837	0.664824	-6.31506
KLK3	-0.11829	-0.08085	-0.60511	0.551958	0.664929	-6.31518
EDN1	-0.11277	0.31026	-0.60494	0.552066	0.665018	-6.31528
AARS	0.138248	0.189534	0.604885	0.552103	0.665022	-6.31531
NUDT14	0.197755	0.119721	0.604795	0.552162	0.665052	-6.31537
SNORD114	0.172499	0.171222	0.604717	0.552213	0.665072	-6.31542
NAGPA	-0.1394	0.414039	-0.60434	0.552461	0.66533	-6.31565
GPR87	0.172811	-0.13126	0.603367	0.553092	0.666049	-6.31624
NFU1	-0.25072	0.0766	-0.60295	0.553367	0.66634	-6.3165
H1FO	0.215978	0.081162	0.602595	0.553596	0.666533	-6.31671
PQLC3	0.123756	-0.26157	0.602433	0.553701	0.666619	-6.31681
CFHR5	0.044341	-0.02325	0.602363	0.553747	0.666633	-6.31685
CDK13	-0.14116	0.282238	-0.6021	0.55392	0.666771	-6.31701
UNG	-0.16547	0.206779	-0.60208	0.55393	0.666771	-6.31702
NUP153	0.141907	-0.48662	0.601914	0.55404	0.666863	-6.31712

RNMTL1	0.132926	0.044775	0.601513	0.554301	0.667136	-6.31736
PCDHGB8P	0.036835	-0.00737	0.601423	0.55436	0.667166	-6.31742
FER	0.136292	0.033689	0.470057	0.644335	0.744142	-6.31747
NUP210P1	0.086971	-0.07799	0.601289	0.554447	0.66723	-6.3175
ZNF436	-0.10199	-0.18919	-0.60112	0.55456	0.667325	-6.31761
ITGA4	0.20555	-0.04062	0.510169	0.615851	0.720632	-6.31774
FNDC4	0.195137	-0.40175	0.491538	0.629031	0.731121	-6.31785
ST8SIA2	-0.10566	-0.21337	-0.60062	0.554882	0.66763	-6.3179
NME5	0.105678	-0.25984	0.468905	0.645141	0.744678	-6.31802
BCL9	-0.23102	0.3825	-0.59995	0.55532	0.668075	-6.31831
TM9SF3	0.187611	-0.89529	0.599634	0.555529	0.668285	-6.3185
XPR1	-0.22034	0.532529	-0.59957	0.55557	0.668294	-6.31854
LINC00482	-0.22807	0.30429	-0.59908	0.555891	0.668598	-6.31884
CCDC102A	-0.20534	0.506406	-0.599	0.555943	0.66862	-6.31889
GRIA1	-0.11725	-0.18035	-0.59894	0.55598	0.668622	-6.31892
TMIGD2	-0.17066	0.178371	-0.59865	0.556169	0.668768	-6.31909
CD96	0.23395	-0.2813	0.598267	0.556423	0.668918	-6.31933
SLC9A7	-0.10849	0.228841	-0.59826	0.55643	0.668918	-6.31934
HOXD3	0.121065	0.075617	0.598145	0.556502	0.668963	-6.3194
ADIPOQ	0.086643	-0.08773	0.597828	0.55671	0.669172	-6.31959
C12orf68	0.187113	-0.25392	0.559177	0.582984	0.692848	-6.31993
CMKLR1	0.164714	0.098592	0.597087	0.557194	0.669713	-6.32004
TSEN15	-0.17608	0.025306	-0.59702	0.557236	0.669722	-6.32008
LONRF3	-0.19135	0.748109	-0.59683	0.557365	0.669805	-6.3202
SLC6A7	0.112084	-0.03741	0.50528	0.619214	0.723315	-6.32026
PPP3CC	0.171543	0.013586	0.596712	0.55744	0.669805	-6.32027
HTR1A	-0.10068	-0.17007	-0.59671	0.557442	0.669805	-6.32027
FLJ40712	-0.18007	0.09462	-0.57934	0.569213	0.680735	-6.32028
MAST4-AS1	-0.04737	-0.0137	-0.57924	0.569278	0.680771	-6.32033
CAPN14	-0.17274	0.222571	-0.59655	0.557548	0.669892	-6.32037
PDCL3	-0.14603	0.302218	-0.5961	0.557842	0.670203	-6.32064
ALDH2	0.222956	0.12385	0.595886	0.557981	0.670329	-6.32076
LOC100131	0.063652	-0.10088	0.462335	0.64975	0.74841	-6.32113
STOX2	0.112607	-0.25665	0.594703	0.558755	0.671178	-6.32147
TXLNG2P	0.068513	0.003365	0.57708	0.570709	0.681976	-6.3216
CXCL2	-0.12283	0.217708	-0.59423	0.559067	0.671484	-6.32176
MAMLD1	0.101905	-0.16556	0.59421	0.559079	0.671484	-6.32177
IL13	0.048412	-0.02666	0.576073	0.571375	0.682484	-6.32218
FAM46A	0.101442	0.178142	0.593514	0.559535	0.67199	-6.32219
BFSP2	-0.21818	0.582289	-0.59346	0.559569	0.67199	-6.32222
RRP7A	0.121077	0.107136	0.593245	0.559711	0.67212	-6.32235
CWF19L2	-0.15693	-0.01407	-0.59309	0.559813	0.672201	-6.32244
GNB1L	0.127474	0.085504	0.592704	0.560067	0.672382	-6.32267
NLGN3	-0.19542	0.611819	-0.59261	0.56013	0.672417	-6.32273
C17orf88	0.134835	-0.0126	0.592343	0.560303	0.672536	-6.32289
C17orf90	0.132262	-0.23501	0.592299	0.560332	0.672536	-6.32291
FAM5B	-0.32315	0.002844	-0.55356	0.586739	0.696213	-6.32309

FOXI1	-0.08877	0.087047	-0.59146	0.560884	0.673157	-6.32341
PPP3R2	-0.11624	-0.06724	-0.59125	0.561018	0.673277	-6.32354
C1orf127	-0.09257	0.139414	-0.59113	0.561099	0.673332	-6.32361
CXorf57	0.141032	0.102221	0.591077	0.561135	0.673334	-6.32364
ID4	0.143516	-0.21803	0.498473	0.623913	0.727061	-6.32372
CXorf68	0.174326	-0.27767	0.498324	0.624015	0.727061	-6.32379
RADIL	-0.31014	0.383963	-0.59073	0.561361	0.673565	-6.32385
ARHGEF35	0.11065	-0.37736	0.360004	0.723065	0.807907	-6.32388
METTL8	-0.129	0.030107	-0.59045	0.561547	0.673747	-6.32402
CEACAM8	0.633517	-0.45998	0.590078	0.561791	0.673957	-6.32424
ADARB1	0.149851	0.176322	0.589947	0.561877	0.673979	-6.32432
GSG1L	-0.07642	0.032124	-0.58994	0.561879	0.673979	-6.32432
DHX40	0.198264	0.024378	0.551024	0.588443	0.69768	-6.32452
CALCRL	0.102453	-0.01673	0.589603	0.562104	0.674161	-6.32452
RAB11FIP1	0.170959	0.532205	0.58894	0.562539	0.674606	-6.32491
LOC100131	-0.04742	0.028253	-0.57116	0.574632	0.685208	-6.32503
PRKCE	-0.12014	-0.0643	-0.58851	0.562825	0.674866	-6.32517
H2BFXP	0.120357	-0.31175	0.588382	0.562906	0.674884	-6.32525
LOC100128	-0.22203	0.224715	-0.58838	0.562908	0.674884	-6.32525
LOC286381	0.03779	-0.4909	0.099462	0.922432	0.956455	-6.32543
CHRNA7	-0.18552	-0.1848	-0.58796	0.563185	0.675174	-6.3255
NOC4L	0.117762	0.176947	0.587841	0.563263	0.675226	-6.32557
PCOLCE	-0.07994	0.209378	-0.58778	0.563303	0.675233	-6.3256
PART1	-0.09988	-0.30208	-0.47514	0.640447	0.740917	-6.3259
GSTZ1	-0.10172	-0.1542	-0.58725	0.563651	0.675541	-6.32592
HHLA3	-0.27262	1.067424	-0.58723	0.563663	0.675541	-6.32593
HNRNPAB	0.272166	0.314882	0.587135	0.563727	0.675541	-6.32599
TOMM5	-0.21439	-0.21108	-0.58713	0.563732	0.675541	-6.32599
C6orf99	-0.06287	0.008336	-0.56911	0.575996	0.686584	-6.32622
SLC35D3	-0.17401	0.087086	-0.58668	0.564026	0.675823	-6.32625
INSR	0.186212	0.239111	0.586646	0.564049	0.675823	-6.32627
DEPTOR	0.087892	-0.24735	0.586613	0.564071	0.675823	-6.32629
MAD1L1	0.195593	-0.01337	0.586295	0.56428	0.676032	-6.32648
ACSM2B	-0.09899	-0.1057	-0.58614	0.564382	0.676113	-6.32657
TRPC1	0.184964	-0.29679	0.586048	0.564443	0.676145	-6.32663
LPL	0.136335	-0.56068	0.332592	0.744417	0.825707	-6.32706
LDLRAD1	-0.18722	-0.1716	-0.49122	0.628936	0.731054	-6.32736
BRS3	0.083081	-0.13578	0.519886	0.6099	0.71602	-6.32738
RPP30	-0.1763	-0.07121	-0.56651	0.577728	0.688188	-6.32771
IFIH1	-0.31287	0.279895	-0.58415	0.565692	0.677558	-6.32775
PPIL2	-0.24661	0.654296	-0.58372	0.565976	0.677857	-6.328
IL31	-0.1706	0.066342	-0.54458	0.592777	0.701635	-6.3281
CEACAM5	0.086742	-0.15686	0.489611	0.630054	0.732093	-6.32816
ESYT2	0.106213	-0.09097	0.583447	0.566159	0.677992	-6.32816
OSTM1	0.21254	0.067986	0.583389	0.566197	0.677997	-6.3282
PRKRIP1	0.184237	0.123255	0.583325	0.566239	0.678006	-6.32824
CCDC38	-0.19623	0.054481	-0.583	0.566451	0.678218	-6.32843

SCG3	-0.11386	-0.11861	-0.58281	0.566579	0.678331	-6.32854
C8orf8	0.147382	-0.21177	0.58249	0.56679	0.6785	-6.32873
LOC440356	0.194187	0.14441	0.564541	0.579037	0.689454	-6.32884
PER1	0.175404	-0.33211	0.582297	0.566918	0.678611	-6.32884
GSTA4	-0.13517	0.135422	-0.58188	0.56719	0.678895	-6.32908
AMZ1	0.1953	-0.04978	0.581574	0.567395	0.6791	-6.32927
LOC100287	-0.2882	-0.83008	-0.58127	0.567599	0.67926	-6.32945
C8orf58	-0.12397	0.537005	-0.58086	0.567869	0.679543	-6.32969
ZCCHC24	0.107034	0.065157	0.31935	0.753383	0.832729	-6.32973
PPAN-P2R1	-0.14149	0.338001	-0.58076	0.567936	0.679581	-6.32975
C10orf67	0.144349	0.038753	0.541576	0.594801	0.703393	-6.32975
DNAJC25	-0.03319	0.014735	-0.31898	0.753657	0.832938	-6.32985
ZRSR2	-0.06919	0.160587	-0.58045	0.56814	0.679784	-6.32993
ASB9	-0.22262	0.267208	-0.58036	0.568196	0.679798	-6.32998
ZNF746	0.137584	0.03777	0.580323	0.568222	0.679798	-6.33
POLR1B	0.164923	0.091614	0.580187	0.568312	0.679808	-6.33008
LONRF2	-0.16451	0.189008	-0.58015	0.568334	0.679808	-6.3301
LOC100508	-0.16224	-0.16166	-0.57936	0.568858	0.680394	-6.33056
TNAP	-0.13398	-0.47179	-0.43633	0.668868	0.763653	-6.33091
SRGAP2	-0.23866	0.508253	-0.57849	0.569435	0.680917	-6.33107
PDP2	-0.25361	0.149478	-0.57801	0.56975	0.681232	-6.33135
PJA1	-0.21825	0.459175	-0.48313	0.634566	0.736068	-6.33136
ZMAT3	0.188689	0.041714	0.577961	0.569784	0.681232	-6.33138
ELOVL3	0.181189	0.095899	0.577934	0.569802	0.681232	-6.3314
GNA14	-0.13224	-0.1866	-0.55966	0.582298	0.692285	-6.33161
EHHADH	0.096677	0.050953	0.577479	0.570104	0.681551	-6.33166
GOLGA2P5	-0.1053	0.191647	-0.57734	0.570197	0.681621	-6.33174
HS6ST3	0.14431	-0.22927	0.482314	0.635132	0.736464	-6.33175
FRMD8	0.035103	-0.00702	0.577096	0.570358	0.681729	-6.33188
FAM179A	0.035103	-0.00702	0.577096	0.570358	0.681729	-6.33188
RIPPLY2	0.109748	0.0282	0.559106	0.582667	0.692614	-6.33193
LOC100507	0.314026	0.389196	0.559085	0.582681	0.692614	-6.33194
BHLHE41	-0.13283	0.397206	-0.48179	0.635498	0.736758	-6.33201
HIST1H2AE	-0.1756	0.538598	-0.57683	0.570536	0.681875	-6.33204
SLC12A1	-0.16882	-0.17277	-0.57681	0.570549	0.681875	-6.33205
NLRP5	-0.15585	0.072172	-0.57652	0.57074	0.681976	-6.33222
EIF2B3	-0.13619	0.100327	-0.57649	0.57076	0.681976	-6.33224
EIF4G2	-0.15038	-0.00816	-0.57647	0.570773	0.681976	-6.33225
PLEKHH3	0.109815	-0.04699	0.576417	0.570807	0.681976	-6.33228
LOC100509	-0.15623	0.20763	-0.57633	0.570862	0.681999	-6.33233
ARNT	-0.1381	0.42583	-0.57622	0.570937	0.682048	-6.33239
TMEM177	0.202809	0.01137	0.575838	0.571192	0.68231	-6.33262
TSC22D1	-0.20521	0.366048	-0.57551	0.571407	0.682484	-6.33281
LOC100193	0.078035	-0.07659	0.557463	0.583766	0.693399	-6.33285
FAM75C2	-0.15353	-0.14652	-0.50941	0.617067	0.721623	-6.33287
SLC44A3	0.156692	-0.06949	0.557161	0.583968	0.693555	-6.33303
HEATR6	-0.08299	0.04994	-0.57506	0.571706	0.6828	-6.33307

GAP43	0.169617	-0.22351	0.574938	0.571788	0.682856	-6.33314
DDX43	-0.1813	0.087365	-0.43122	0.672495	0.766721	-6.33319
LOC72991	-0.2252	-0.03529	-0.57432	0.572201	0.683308	-6.3335
MYO1D	-0.11772	0.096202	-0.57386	0.572506	0.683613	-6.33377
SLPI	-0.26236	-0.20828	-0.57382	0.572527	0.683613	-6.33379
ERI3	-0.13027	0.359639	-0.57375	0.572578	0.683632	-6.33383
LOC10050	0.10364	-0.02629	0.573663	0.572634	0.683658	-6.33388
DTHD1	0.060614	0.023993	0.572962	0.573099	0.684172	-6.33429
LOC10050	-0.08842	-0.05305	-0.5728	0.573206	0.684257	-6.33438
FIGN	0.13914	0.047527	0.533042	0.600573	0.708424	-6.3344
USP14	-0.13404	-0.20419	-0.57234	0.573516	0.684543	-6.33465
PAM	-0.1632	0.026148	-0.57191	0.573797	0.684837	-6.33489
TDGF1	0.133145	-0.59343	0.30883	0.762043	0.839979	-6.33494
LHX4	-0.19584	0.149274	-0.57175	0.573905	0.684925	-6.33499
ANKRD19P	0.259533	-0.12351	0.571578	0.574019	0.684977	-6.33509
RRS1	0.139493	0.163962	0.571503	0.574069	0.684995	-6.33513
FLJ33360	-0.09133	-0.04604	-0.57145	0.574106	0.684997	-6.33516
ENDOU	-0.10247	-0.02969	-0.57132	0.574187	0.685015	-6.33523
KIFC3	-0.14124	0.155112	-0.57132	0.57419	0.685015	-6.33523
NEURL4	0.075566	-0.01201	0.571173	0.574288	0.685087	-6.33532
TECRL	0.080056	0.024502	0.570972	0.574422	0.685087	-6.33544
CUL5	-0.16407	0.028577	-0.57096	0.574431	0.685087	-6.33544
JDP2	0.158835	-0.15057	0.570934	0.574447	0.685087	-6.33546
ZNF454	0.058312	-0.02245	0.570914	0.574461	0.685087	-6.33547
THAP7	0.132337	0.104043	0.570786	0.574545	0.685147	-6.33554
CDH20	-0.12478	0.055248	-0.57051	0.574729	0.685282	-6.3357
C9orf57	-0.16359	-0.4278	-0.56997	0.57509	0.685587	-6.33601
GCNT1	-0.19123	0.350543	-0.56934	0.575505	0.68604	-6.33637
CHD6	0.138144	-0.27175	0.568547	0.576035	0.686589	-6.33683
DNAJC19	-0.21488	0.137432	-0.56847	0.576088	0.686589	-6.33688
WWC3	0.119558	0.189351	0.568441	0.576106	0.686589	-6.33689
PRSS1	0.092598	-0.06472	0.471492	0.642696	0.742818	-6.33699
NPC1	0.10646	-0.15189	0.568063	0.576357	0.686847	-6.33711
MFSD6	0.127273	-0.06233	0.56801	0.576393	0.686848	-6.33714
ZNF354A	-0.26405	0.058678	-0.52784	0.604104	0.711347	-6.33721
PNPLA1	-0.26187	0.182563	-0.47099	0.643051	0.743009	-6.33723
GPR125	0.053761	-0.02228	0.567401	0.576798	0.687289	-6.33749
B4GALNT1	-0.11108	-0.26075	-0.56693	0.577109	0.687618	-6.33776
MEOX1	-0.14564	0.050308	-0.5667	0.577269	0.687766	-6.33789
OR8G1	-0.29961	0.190874	-0.52653	0.605	0.712145	-6.33791
HLA-C	0.180914	0.145693	0.566345	0.577502	0.688003	-6.33809
MB	0.171999	0.087608	0.566006	0.577728	0.688188	-6.33829
GAPDHS	-0.04813	-0.01614	-0.5654	0.578132	0.688627	-6.33863
FAM5C	0.067885	-0.04211	0.54682	0.590912	0.699852	-6.3388
HTR7	-0.11292	-0.01629	-0.52482	0.606157	0.713036	-6.33882
PON1	-0.10381	0.094035	-0.56488	0.57848	0.688969	-6.33893
TAS2R9	-0.10397	-0.1684	-0.56487	0.578489	0.688969	-6.33894

ACYP1	0.148779	-0.06749	0.564751	0.578566	0.688978	-6.339
TMEM132	0.0925	0.19996	0.564583	0.578678	0.689068	-6.3391
FBLN5	0.239703	-0.3987	0.563945	0.579103	0.689491	-6.33946
DKC1	-0.11735	0.150323	-0.56382	0.579184	0.689546	-6.33953
NAGA	-0.15018	0.260184	-0.56316	0.57963	0.689958	-6.33991
SRP72	0.113714	-0.01445	0.563147	0.579636	0.689958	-6.33992
ZNF227	0.167627	0.128149	0.465298	0.647045	0.746479	-6.33994
C4orf6	-0.14135	0.13634	-0.54461	0.592402	0.701276	-6.34003
CPXCR1	0.085924	-0.07256	0.420301	0.679572	0.772497	-6.34006
HSPA8	0.275596	0.026316	0.562764	0.579892	0.690184	-6.34014
ZFAND5	-0.13863	0.298735	-0.56276	0.579897	0.690184	-6.34014
TNK2	-0.1152	0.223065	-0.56253	0.580046	0.690278	-6.34027
LOC100507	-0.0902	0.089619	-0.52193	0.608129	0.714927	-6.34036
TMEM141	-0.12644	-0.076	-0.56228	0.580213	0.690434	-6.34041
SYT11	0.125895	-0.26373	0.561755	0.580567	0.690813	-6.34071
STXBP4	-0.17008	-0.13924	-0.56131	0.580865	0.691084	-6.34096
MYSM1	0.145088	0.073397	0.561202	0.580936	0.691127	-6.34102
HRSP12	-0.17195	-0.22811	-0.54256	0.593787	0.702449	-6.34116
ZBTB10	-0.10206	-0.22563	-0.46268	0.648886	0.747679	-6.34117
C1QBP	0.161161	-0.17748	0.56092	0.581124	0.691266	-6.34118
POLR3E	-0.13132	0.370063	-0.56083	0.581183	0.691266	-6.34123
NCAPG2	-0.12578	-0.1802	-0.56082	0.581194	0.691266	-6.34124
CEP19	-0.18021	0.25514	-0.56071	0.581267	0.691311	-6.3413
NAT8L	-0.15841	0.0362	-0.56065	0.581306	0.691316	-6.34134
SIPA1L3	0.176708	0.507291	0.559478	0.58209	0.692163	-6.342
TOX	0.088845	0.159239	0.279085	0.783573	0.854949	-6.34206
GOLGA6L6	-0.15453	-0.01822	-0.55932	0.582198	0.69225	-6.34209
CSN2	0.105361	-0.18065	0.54081	0.594967	0.703505	-6.34212
RPL5	0.227853	-0.28092	0.559224	0.582259	0.692281	-6.34214
LOC728481	0.149804	-0.07272	0.558671	0.58263	0.692614	-6.34246
SIN3A	-0.10917	0.263187	-0.55841	0.582807	0.692721	-6.34261
SMO	0.072173	-0.01634	0.558258	0.582906	0.692798	-6.34269
ANO5	-0.19753	-0.0567	-0.53932	0.595973	0.704355	-6.34293
UACA	0.104005	0.062403	0.557795	0.583217	0.693081	-6.34295
HOXA13	-0.17205	-0.00906	-0.5577	0.583282	0.693081	-6.34301
TXK	-0.22349	0.205538	-0.55769	0.583286	0.693081	-6.34301
VDR	-0.14198	0.400095	-0.55758	0.583361	0.69309	-6.34307
ELMO1	0.178459	0.262583	0.557533	0.583392	0.69309	-6.3431
AIP	0.099124	0.031008	0.557522	0.583399	0.69309	-6.3431
ATP6V1B1	0.093524	-0.14951	0.557148	0.58365	0.69334	-6.34332
LOC150568	0.033045	-0.59973	0.088371	0.930845	0.962784	-6.34364
CCR6	0.145659	0.084329	0.538006	0.596864	0.705322	-6.34365
KCNK12	0.099173	0.142983	0.556505	0.584081	0.693647	-6.34368
PCDHB18	-0.20319	0.056972	-0.55625	0.584251	0.693806	-6.34382
XRR1	-0.17799	0.336296	-0.53748	0.597218	0.705613	-6.34393
MRGPRD	-0.12482	-0.14088	-0.43601	0.668053	0.763077	-6.34404
HOXA1	-0.12343	0.220375	-0.55547	0.584773	0.694385	-6.34426

ITGB4	-0.18185	0.637553	-0.55529	0.584897	0.694458	-6.34436
ZNF256	0.162256	-0.2478	0.555276	0.584905	0.694458	-6.34437
AGR3	-0.14618	-0.29392	-0.45512	0.654216	0.752006	-6.34469
SGCE	0.106086	-0.29953	0.554669	0.585313	0.694899	-6.34471
FKBP10	-0.08069	0.046157	-0.55445	0.585458	0.69503	-6.34483
ASAP1-IT1	-0.2525	0.139788	-0.55394	0.585805	0.695396	-6.34512
FUBP3	0.099974	-0.43769	0.553887	0.585838	0.695396	-6.34515
UHRF1	-0.32448	0.515723	-0.55366	0.585992	0.695537	-6.34528
RRM2B	-0.17867	-0.05797	-0.53471	0.599099	0.707281	-6.34544
PITPNC1	0.138852	0.051717	0.553213	0.58629	0.695831	-6.34552
BOP1	0.143197	0.318489	0.553183	0.58631	0.695831	-6.34554
LOC148705	0.0865	0.064274	0.552981	0.586446	0.69595	-6.34565
TMED6	0.055581	-0.01264	0.432128	0.670819	0.765434	-6.34576
EXOSC6	-0.09682	0.100393	-0.55256	0.586726	0.696213	-6.34589
CCL1	0.146466	0.069983	0.431627	0.671177	0.765797	-6.34598
CCK	0.161065	0.008404	0.551656	0.587337	0.696846	-6.34639
CD8B	0.252217	0.132555	0.551646	0.587344	0.696846	-6.3464
BAD	0.07521	-0.01435	0.551497	0.587444	0.696922	-6.34648
FLJ38576	-0.08702	0.029485	-0.55136	0.587534	0.696987	-6.34656
ELF1	-0.19275	-0.20267	-0.55126	0.587604	0.697025	-6.34662
RPL10A	0.202399	0.170823	0.55121	0.587637	0.697025	-6.34664
TACC2	0.146844	0.161105	0.532247	0.600768	0.708569	-6.34677
STEAP3	-0.16866	-0.01727	-0.55095	0.58781	0.697188	-6.34679
GNG11	0.172489	-0.03225	0.550865	0.587868	0.697188	-6.34684
SULT1C4	-0.14874	0.010043	-0.55085	0.587881	0.697188	-6.34685
ST18	0.194698	0.116819	0.550381	0.588194	0.697517	-6.3471
N6AMT1	-0.08824	-0.22755	-0.55027	0.588272	0.697567	-6.34717
PRTFDC1	-0.20418	0.544956	-0.55002	0.58844	0.69768	-6.34731
TBC1D10C	0.105761	0.094093	0.549966	0.588474	0.69768	-6.34734
RABGGTA	-0.08967	0.36157	-0.54972	0.588641	0.697836	-6.34747
PHRF1	0.094453	0.186418	0.54946	0.588814	0.697999	-6.34762
MPRIIP	0.145529	0.221631	0.549299	0.588923	0.698085	-6.34771
PRC1	0.124895	-0.02164	0.549121	0.589042	0.698185	-6.34781
LOC728407	0.133811	-0.38577	0.479678	0.637618	0.738735	-6.34785
MKX	-0.06761	0.013522	-0.54876	0.589288	0.698434	-6.34801
COL5A2	-0.13995	-0.05713	-0.54847	0.589483	0.698623	-6.34817
TUBB1	0.29553	0.679121	0.548411	0.589521	0.698625	-6.3482
ARMC1	0.147107	-0.46646	0.548028	0.589778	0.698846	-6.34841
HIST1H4C	0.261067	-1.15535	0.547888	0.589873	0.698915	-6.34849
TMEM59L	0.106068	-0.10551	0.547567	0.590089	0.699051	-6.34867
NUDCD3	-0.09562	0.218751	-0.54756	0.590094	0.699051	-6.34867
NR4A1	0.2279	0.300735	0.547226	0.590319	0.699275	-6.34886
UCMA	0.116416	-0.09753	0.546493	0.590813	0.699818	-6.34926
SLC18A1	0.140199	0.076038	0.527429	0.604044	0.711347	-6.34936
ZNHIT3	-0.22729	-0.44699	-0.54629	0.590949	0.699852	-6.34937
FAM71E1	0.114117	0.123659	0.546123	0.591063	0.699945	-6.34947
TAS2R7	0.118907	-0.15059	0.545991	0.591152	0.700007	-6.34954

CCDC122	-0.05743	0.038607	-0.5457	0.591345	0.700194	-6.3497
NRL	0.12769	0.080646	0.443676	0.662323	0.758611	-6.34992
FBLIM1	-0.11312	-0.02086	-0.5447	0.59202	0.700909	-6.35025
FAIM2	0.072517	-0.16713	0.544149	0.592395	0.701276	-6.35055
ANKRD29	0.087388	-0.19035	0.524632	0.60595	0.712878	-6.35085
TLL1	0.228722	0.048299	0.543592	0.592771	0.701635	-6.35086
OR52K2	0.146064	0.040334	0.543326	0.592951	0.701761	-6.35101
MMAA	-0.12426	0.151622	-0.54329	0.592975	0.701761	-6.35103
RNASE1	0.266481	0.134835	0.543236	0.593011	0.701761	-6.35106
CD14	-0.16323	0.269098	-0.5431	0.593104	0.701811	-6.35113
RRN3P2	0.127322	0.271284	0.542465	0.593533	0.702275	-6.35148
KIR2DS4	-0.25301	0.872094	-0.54226	0.593672	0.702398	-6.35159
DCTN4	-0.12386	-0.20328	-0.54211	0.593776	0.702449	-6.35168
CACNG7	0.114497	-0.24784	0.541836	0.593957	0.702608	-6.35183
HLA-J	-0.23765	-0.02432	-0.54169	0.594059	0.702686	-6.35191
ANKRD1	0.170369	-0.38778	0.438927	0.6657	0.761289	-6.35205
C17orf89	-0.17133	0.108179	-0.5411	0.594454	0.703111	-6.35223
RIIAD1	-0.09293	-0.00894	-0.54095	0.594557	0.703191	-6.35231
USP36	0.202525	0.074903	0.521766	0.607905	0.714749	-6.35237
TSC22D3	-0.14463	0.129204	-0.54066	0.594755	0.703382	-6.35247
COL11A1	0.163678	-0.15581	0.540435	0.594905	0.703475	-6.35259
DNAJB1	0.141262	0.128981	0.540138	0.595106	0.703627	-6.35275
AMELY	0.113012	0.038888	0.520746	0.608602	0.715311	-6.35291
DNAJC10	-0.11642	-0.07999	-0.53978	0.59535	0.703873	-6.35295
GATA3	0.19074	0.329065	0.436867	0.667167	0.762332	-6.35296
INTS4L1	-0.12282	-0.11736	-0.52053	0.608748	0.715396	-6.35302
TOMM70A	0.268436	-0.01416	0.539392	0.595611	0.70414	-6.35316
TPTE2P1	0.092356	-0.20233	0.414641	0.683341	0.775297	-6.3533
RPL10	-0.18317	0.237467	-0.53909	0.595818	0.704341	-6.35333
ZNF653	0.132587	0.360729	0.539022	0.595861	0.70435	-6.35336
ERBB3	0.173831	0.120252	0.538901	0.595943	0.704355	-6.35343
TSFM	0.106987	0.017312	0.538858	0.595972	0.704355	-6.35345
KCNB1	-0.12244	-0.01834	-0.51933	0.609571	0.715805	-6.35366
TIGD7	-0.10165	-0.25653	-0.4349	0.668566	0.763418	-6.35383
OR51B5	0.096229	-0.3155	0.538057	0.596515	0.704953	-6.35389
RAB17	-0.15337	-0.02889	-0.5371	0.597167	0.705613	-6.35441
SLC5A11	0.138404	0.090616	0.537072	0.597183	0.705613	-6.35443
NCR1	0.154848	-0.001	0.350804	0.73035	0.814067	-6.35473
UMPS	-0.14036	0.262581	-0.53646	0.597596	0.705974	-6.35476
ENDOV	0.092277	-0.06939	0.536334	0.597683	0.70603	-6.35483
ZBTB1	0.157626	-0.0308	0.536287	0.597715	0.70603	-6.35485
RBM46	0.139668	0.011824	0.53623	0.597754	0.706034	-6.35488
LPIN2	0.130866	-0.04428	0.535823	0.59803	0.706274	-6.3551
RLN2	-0.15089	0.082793	-0.5164	0.611573	0.71752	-6.3552
C17orf97	0.275304	0.297204	0.516393	0.61158	0.71752	-6.3552
SUN3	-0.14937	0.029494	-0.53551	0.598241	0.706481	-6.35527
PDZD9	0.15571	0.129557	0.535302	0.598383	0.706606	-6.35539

SCAND3	-0.20496	0.295386	-0.53506	0.598546	0.706718	-6.35552
UQCRCQ	-0.2369	-0.48614	-0.53506	0.59855	0.706718	-6.35552
COQ9	-0.06195	0.045684	-0.5346	0.598862	0.707044	-6.35577
LOC723806	0.103602	0.065433	0.430159	0.671954	0.766327	-6.35592
POLD1	0.109208	0.210007	0.534056	0.599229	0.707392	-6.35606
SLC20A2	0.141001	-0.10425	0.533596	0.599542	0.707659	-6.35631
SPOCK3	-0.08653	-0.30849	-0.53355	0.59957	0.707659	-6.35633
SLC25A32	-0.13393	-0.11477	-0.53351	0.5996	0.707659	-6.35636
TMEM41A	-0.11899	0.154144	-0.4908	0.629539	0.731538	-6.35638
DNAH14	0.170262	0.125156	0.533355	0.599705	0.70769	-6.35644
AQP7P1	-0.11969	-0.19468	-0.53335	0.599709	0.70769	-6.35644
NDUFS3	-0.10189	-0.19132	-0.53331	0.599735	0.70769	-6.35646
AJUBA	0.130628	-0.03557	0.533068	0.5999	0.707843	-6.3566
KCNIP1	-0.13069	-0.20952	-0.42855	0.673103	0.767097	-6.35662
KIAA1257	0.166048	0.038639	0.532946	0.599983	0.707857	-6.35666
HMGN3	-0.10933	0.050253	-0.53286	0.600042	0.707882	-6.35671
SLC16A10	0.083874	0.027544	0.513105	0.613834	0.718959	-6.35692
SIDT1	0.163693	0.028589	0.532451	0.600319	0.708167	-6.35693
FLJ40434	0.189347	-0.54055	0.48913	0.630701	0.732584	-6.35722
CLEC4M	0.111271	-0.17361	0.53184	0.600734	0.708569	-6.35726
ADHFE1	-0.1472	0.158519	-0.53163	0.60088	0.708632	-6.35737
LOC100506	0.083488	0.030273	0.531606	0.600894	0.708632	-6.35738
HOXA11-A	-0.17029	0.082015	-0.53153	0.600945	0.708643	-6.35742
EGFLAM	0.107213	-0.12	0.531485	0.600976	0.708643	-6.35745
C8B	0.095338	-0.37548	0.252612	0.803452	0.869386	-6.35747
C17orf61	-0.20754	-0.38197	-0.53135	0.601071	0.708713	-6.35752
ADRA1A	-0.11952	0.069642	-0.53116	0.601197	0.708819	-6.35762
KBTBD8	-0.21229	-0.01013	-0.53111	0.601234	0.70882	-6.35765
VASN	-0.1404	0.123014	-0.53091	0.601366	0.708933	-6.35776
MYO5C	-0.16795	0.118991	-0.51149	0.614941	0.719825	-6.35776
NSMAF	0.093816	-0.07465	0.53082	0.601428	0.708943	-6.35781
GCET2	0.127245	-0.03728	0.530792	0.601447	0.708943	-6.35782
PHOSPHO2	-0.02737	-0.18317	-0.08148	0.936151	0.966444	-6.35786
INPP5D	0.09363	0.062461	0.530556	0.601608	0.70906	-6.35795
TULP3	0.194606	0.422425	0.53054	0.601619	0.70906	-6.35796
LOC729121	0.158475	-0.03098	0.510959	0.615307	0.720125	-6.35803
FAM159A	0.169577	0.18317	0.529975	0.602004	0.709461	-6.35826
C20orf85	-0.10321	-0.11184	-0.52993	0.602032	0.709461	-6.35828
KLF2	-0.08354	0.467143	-0.52973	0.602173	0.709585	-6.35839
TAGLN2	-0.17452	0.47129	-0.52925	0.602494	0.709921	-6.35865
FAM116A	0.088852	-0.61661	0.528797	0.602805	0.710245	-6.35889
SART3	-0.06582	0.189761	-0.5281	0.603278	0.710759	-6.35926
LOC728743	-0.16672	0.53055	-0.52796	0.603375	0.710831	-6.35934
SMARCC2	0.100868	0.393936	0.5279	0.603416	0.710836	-6.35937
LOC730183	0.113914	-0.06759	0.527267	0.603848	0.711259	-6.35971
PPIG	-0.0983	-0.00254	-0.5272	0.60389	0.711266	-6.35974
NEURL2	0.124965	0.260051	0.526909	0.604092	0.711347	-6.3599

RAB39	0.18371	0.119282	0.526316	0.604496	0.711766	-6.36022
ANAPC11	0.084206	-0.15853	0.52621	0.604568	0.711808	-6.36027
GPS1	0.082723	0.092897	0.525984	0.604722	0.711935	-6.36039
SMG1	-0.21013	0.143912	-0.52592	0.604765	0.711935	-6.36043
TET1	-0.09646	-0.13217	-0.52589	0.604785	0.711935	-6.36044
MRC1	-0.10628	-0.35267	-0.52549	0.60506	0.712173	-6.36066
SMEK3P	0.048063	0.023055	0.505391	0.619138	0.723274	-6.36091
BNIP1	0.154875	0.038284	0.524984	0.605405	0.712536	-6.36093
NCRNA001	0.006058	0.377079	0.007845	0.993861	1	-6.36104
ZNF234	-0.21615	0.131701	-0.52476	0.605556	0.712668	-6.36104
OAZ3	-0.09953	0.246123	-0.52467	0.60562	0.712668	-6.36109
C19orf21	0.089569	-0.1274	0.52466	0.605626	0.712668	-6.3611
ACSL6	-0.0441	-0.01518	-0.52448	0.605749	0.71277	-6.36119
TCF23	-0.11249	0.001205	-0.52429	0.605876	0.71285	-6.36129
PIBF1	0.128821	-0.10087	0.524273	0.60589	0.71285	-6.3613
ESYT3	0.036597	-0.01822	0.524059	0.606036	0.712936	-6.36142
LINC00277	0.186146	-0.03839	0.417086	0.681323	0.77368	-6.36156
MAP3K12	-0.11685	0.526889	-0.52348	0.60643	0.713315	-6.36172
ECT2	0.179308	-0.02771	0.330537	0.745319	0.82652	-6.36182
ITPR1	0.110515	-0.4721	0.522843	0.606867	0.713785	-6.36206
CYP2J2	-0.15653	0.232785	-0.50307	0.620736	0.724618	-6.36209
POU5F2	0.053746	-0.30826	0.521976	0.607459	0.714396	-6.36252
LOC34496	0.161005	0.235	0.521805	0.607576	0.71449	-6.36261
ZDHHC24	0.106601	-0.08898	0.521458	0.607813	0.714702	-6.36279
PTMA	0.154886	0.067732	0.521436	0.607828	0.714702	-6.36281
HEYL	0.123683	-0.05214	0.521074	0.608076	0.714907	-6.363
SDR42E1	0.093462	-0.12388	0.192168	0.849906	0.903976	-6.36308
C21orf62	0.086683	-0.10264	0.520585	0.60841	0.715214	-6.36325
CPLX4	0.041296	-0.02138	0.50069	0.622381	0.725845	-6.36331
IFNG	0.175444	-0.22083	0.520449	0.608503	0.71528	-6.36333
ZNF502	-0.15968	-0.30594	-0.52039	0.608546	0.715288	-6.36336
GGCT	-0.12345	-0.11572	-0.52011	0.608738	0.715396	-6.36351
PARP8	-0.15227	0.153551	-0.51996	0.608839	0.715461	-6.36359
KDM1A	-0.13407	0.301406	-0.5199	0.608881	0.715467	-6.36362
ABCG8	0.146052	0.085031	0.519774	0.608965	0.715496	-6.36368
SESN1	0.167841	-0.50921	0.519745	0.608985	0.715496	-6.3637
PRAM1	-0.1405	0.012865	-0.5197	0.609015	0.715496	-6.36372
WDR75	0.187242	0.144332	0.519379	0.609235	0.715712	-6.36389
KCNK18	0.136713	0.042825	0.519243	0.609329	0.715776	-6.36396
ESR1	-0.16954	0.215258	-0.51919	0.609363	0.715776	-6.36399
RGS18	0.226319	-0.8811	0.519123	0.609411	0.715789	-6.36402
WDR76	-0.14023	0.181828	-0.36022	0.723154	0.80793	-6.36404
C19orf57	0.090775	0.148055	0.499227	0.623391	0.726678	-6.36405
USP26	-0.13739	0.056224	-0.47518	0.640413	0.740917	-6.36406
CLGN	0.148029	-0.34918	0.411104	0.685629	0.777083	-6.36408
LIN9	-0.19257	-0.33632	-0.51899	0.609504	0.715805	-6.3641
ADAM18	-0.15255	0.124585	-0.51893	0.609542	0.715805	-6.36413

POGK	-0.09723	0.320722	-0.51881	0.609624	0.715825	-6.36419
ANGPTL2	0.068811	0.020254	0.518601	0.609768	0.715951	-6.3643
C1orf35	-0.07617	0.12778	-0.51847	0.609858	0.716014	-6.36437
SMN1	-0.14156	-0.02129	-0.51831	0.609969	0.716059	-6.36445
ARL4D	0.099693	-0.02446	0.51807	0.610131	0.716206	-6.36458
CTCFL	0.099719	0.060939	0.386839	0.703445	0.791552	-6.36467
HIST1H4B	-0.15356	0.1644	-0.51771	0.610376	0.716451	-6.36477
SHARPIN	-0.1125	0.24602	-0.51753	0.610501	0.716554	-6.36486
UBP1	-0.06726	-0.09501	-0.38555	0.704383	0.792472	-6.36518
GFM1	-0.12352	-0.06673	-0.51687	0.610957	0.717004	-6.36521
ASNS	0.110102	-0.01399	0.516865	0.610957	0.717004	-6.36521
RHOB	0.13598	0.25174	0.516661	0.611097	0.717125	-6.36532
C15orf48	-0.13946	0.05861	-0.49661	0.625198	0.727875	-6.36537
C9orf163	0.074837	-0.21291	0.516423	0.61126	0.717274	-6.36544
LOC100507	-0.19095	0.24	-0.47218	0.642514	0.742738	-6.36551
PKDREJ	-0.14273	-0.0495	-0.47194	0.642686	0.742818	-6.36563
C7orf30	-0.1668	0.262423	-0.51598	0.611566	0.71752	-6.36567
MRPL34	-0.10026	-0.01036	-0.51572	0.611744	0.717627	-6.36581
FMN2	0.04709	0.024825	0.51538	0.611976	0.71784	-6.36599
SAE1	-0.11241	0.165478	-0.51533	0.612012	0.71784	-6.36601
CDC23	0.106209	-0.18201	0.515273	0.612049	0.71784	-6.36604
XPC	-0.10143	0.266125	-0.51524	0.612073	0.71784	-6.36606
GMPS	0.078189	-0.06877	0.514929	0.612285	0.717968	-6.36622
AIFM2	-0.11457	0.236094	-0.51492	0.61229	0.717968	-6.36623
RNF113A	0.072912	0.118368	0.514919	0.612292	0.717968	-6.36623
SLC15A3	0.119856	-0.05943	0.51448	0.612593	0.718278	-6.36646
DBNDD1	-0.16164	0.353623	-0.51442	0.612632	0.71828	-6.36648
BOC	0.11192	-0.19675	0.514234	0.612762	0.71839	-6.36658
ACTL7B	0.092038	-0.11308	0.494026	0.626991	0.729356	-6.36667
AKAP6	0.065002	-0.07112	0.513828	0.613041	0.718674	-6.3668
AMPD2	-0.12092	0.170091	-0.51375	0.613093	0.718692	-6.36684
C16orf42	0.069767	-0.08589	0.513655	0.61316	0.718728	-6.36689
DDX18	-0.1935	0.589542	-0.51357	0.613216	0.718746	-6.36693
EPB41L1	-0.12209	0.173971	-0.51352	0.613249	0.718746	-6.36695
LDHAL6B	-0.12678	-0.04877	-0.46904	0.644714	0.744329	-6.36702
IL1RL1	-0.18151	0.129469	-0.51324	0.613447	0.718893	-6.3671
LOC285456	0.023823	-0.0049	0.35179	0.729353	0.813186	-6.36712
NBPF22P	-0.10162	0.049052	-0.51316	0.613497	0.718901	-6.36714
EIF3D	0.090146	0.076128	0.513066	0.613564	0.718901	-6.36719
MPO	-0.39259	0.196741	-0.51305	0.613576	0.718901	-6.3672
DPH2	-0.14911	0.320709	-0.51294	0.613653	0.718901	-6.36726
TOB2	-0.13683	0.558229	-0.51292	0.613666	0.718901	-6.36727
SMOX	-0.24267	0.1974	-0.5129	0.613675	0.718901	-6.36728
WARS2	0.050393	0.078526	0.169377	0.867515	0.916784	-6.36731
CNR1	-0.07068	-0.05443	-0.51274	0.613786	0.718959	-6.36736
TSPYL6	0.10453	0.022293	0.512686	0.613825	0.718959	-6.36739
WNK4	0.078386	-0.15735	0.512596	0.613887	0.718971	-6.36744

SDF4	-0.06186	0.128527	-0.51255	0.613918	0.718971	-6.36746
ZNF732	-0.0539	-0.07761	-0.34536	0.734662	0.817849	-6.3675
FSCN1	0.186226	0.441547	0.512323	0.614074	0.719111	-6.36758
FBXO16	-0.1393	0.262762	-0.40211	0.69212	0.782132	-6.3678
P2RY10	0.064918	-0.25024	0.208411	0.837266	0.894758	-6.3679
PK3	-0.18356	0.400069	-0.51156	0.614596	0.71968	-6.36797
YES1	0.120072	-0.05143	0.511501	0.614639	0.719683	-6.368
LOC100501	-0.08004	0.011744	-0.51145	0.614673	0.719683	-6.36803
CEP70	0.1842	-0.05213	0.511148	0.614882	0.719825	-6.36819
IQCG	-0.10851	0.217819	-0.51109	0.61492	0.719825	-6.36822
LRR3	-0.12292	0.069916	-0.51107	0.614938	0.719825	-6.36823
ADAR2	-0.16237	-0.28958	-0.51089	0.61506	0.719921	-6.36832
FCRL4	-0.06801	-0.46728	-0.342	0.73714	0.819909	-6.36869
TMEM183	0.073033	-0.26809	0.510059	0.61563	0.72042	-6.36875
ST6GALNA	-0.1897	0.040865	-0.51006	0.615633	0.72042	-6.36875
SLC25A17	-0.07264	-0.07752	-0.50964	0.615916	0.720665	-6.36897
BYSL	0.124481	0.237892	0.509445	0.616053	0.720716	-6.36907
POLR3D	-0.12041	0.252604	-0.50943	0.616066	0.720716	-6.36908
EPM2A	0.102308	-0.20157	0.509367	0.616107	0.720716	-6.36911
TMSB4Y	0.148944	0.054036	0.509207	0.616217	0.720802	-6.36919
ZIC1	0.054896	0.034671	0.398661	0.69462	0.78446	-6.36921
MUC5AC	-0.0993	-0.06063	-0.50897	0.616377	0.720946	-6.36931
TMC7	0.03002	-0.00632	0.488691	0.630693	0.732584	-6.36934
C17orf101	-0.09529	0.335274	-0.50867	0.616588	0.72115	-6.36947
ZIM2	0.108808	-0.47224	0.508147	0.616946	0.721526	-6.36974
TNFRSF21	0.210252	-0.04296	0.507475	0.617409	0.721981	-6.37008
EI24	-0.09903	0.057495	-0.50738	0.617475	0.722015	-6.37013
KITLG	-0.1877	0.163108	-0.5071	0.617666	0.722195	-6.37028
MRO	-0.10089	-0.01046	-0.50679	0.61788	0.722403	-6.37043
AARS2	0.1303	0.03527	0.506643	0.617983	0.722479	-6.37051
ITGB3	0.273492	0.378422	0.50634	0.618192	0.722681	-6.37067
MAGEF1	-0.12744	0.116124	-0.50628	0.618234	0.722687	-6.3707
C4orf21	-0.14965	-0.00479	-0.5059	0.618496	0.72295	-6.37089
C9orf16	0.106564	0.092228	0.505693	0.618638	0.723073	-6.371
ADAM11	0.109596	-0.15069	0.505317	0.618897	0.723274	-6.37119
PLEKHA4	0.178514	0.547184	0.505317	0.618897	0.723274	-6.37119
C2orf19	0.089388	-0.11646	0.505251	0.618942	0.723274	-6.37123
EN1	0.186996	-0.19296	0.505222	0.618963	0.723274	-6.37124
C9orf93	0.26834	0.161004	0.505044	0.619085	0.723274	-6.37133
PIK3R1OS	0.130422	-0.02284	0.504983	0.619127	0.723274	-6.37136
GPR124	0.123113	0.144993	0.504971	0.619135	0.723274	-6.37137
CDC14A	0.26449	0.158694	0.504961	0.619143	0.723274	-6.37137
CCL25	0.109093	0.017732	0.504488	0.619468	0.723569	-6.37162
LIMA1	0.168793	-0.06019	0.392475	0.699106	0.788346	-6.3717
LGMN	-0.07187	0.214369	-0.39234	0.699202	0.788346	-6.37175
MTERF	-0.17461	0.107425	-0.50422	0.619656	0.723744	-6.37175
CXorf65	-0.11516	0.189283	-0.50397	0.619823	0.723896	-6.37188

ADK	0.120182	0.188842	0.391986	0.699462	0.788385	-6.37189
DKFZp779f	0.132691	-0.07187	0.503905	0.619871	0.72391	-6.37191
GPR35	-0.14679	0.316297	-0.50341	0.620214	0.72425	-6.37217
METTL1	-0.15265	0.166301	-0.50338	0.620236	0.72425	-6.37218
CSMD3	0.123017	-0.06263	0.367193	0.717789	0.803713	-6.37224
FA2H	-0.17122	0.786319	-0.39105	0.700143	0.788924	-6.37227
HIST1H2Ak	0.206448	0.123869	0.503086	0.620436	0.72444	-6.37233
LOC100507	-0.07931	0.027853	-0.50282	0.620619	0.724595	-6.37247
FAM100B	-0.07208	0.138122	-0.50276	0.62066	0.724595	-6.3725
USP47	-0.1371	0.151639	-0.50273	0.62068	0.724595	-6.37251
CD207	-0.08999	-0.2526	-0.36618	0.71853	0.80437	-6.37261
DZIP1	-0.14391	0.285353	-0.36604	0.718633	0.804439	-6.37267
GJB1	0.079089	-0.12047	0.481887	0.635429	0.736722	-6.37269
LYSMD3	0.182162	0.109297	0.501735	0.621369	0.725313	-6.37302
VANGL1	-0.14515	0.642846	-0.50159	0.62147	0.725364	-6.37309
SRGAP3	-0.14942	0.139131	-0.50157	0.621487	0.725364	-6.37311
ZNF649	0.177482	0.106489	0.501411	0.621593	0.725425	-6.37318
HMG5	0.176455	0.105873	0.501336	0.621645	0.725425	-6.37322
TPBG	-0.07385	-0.25816	-0.5013	0.621668	0.725425	-6.37324
LOR	0.106323	-0.11592	0.480721	0.636242	0.737447	-6.37326
STIP1	-0.17188	0.557922	-0.50124	0.62171	0.725425	-6.37327
LOC100128	-0.14892	0.076909	-0.50121	0.621735	0.725425	-6.37329
SLC1C1	0.096274	0.05535	0.501138	0.621782	0.725425	-6.37332
SLC2A8	0.091385	0.333915	0.501109	0.621802	0.725425	-6.37334
SLC30A6	0.172817	0.10369	0.501061	0.621835	0.725425	-6.37336
C16orf48	-0.06454	0.245756	-0.50084	0.621986	0.725537	-6.37347
NEURL1B	0.103813	-0.06883	0.500815	0.622005	0.725537	-6.37349
UBR2	-0.10882	0.031296	-0.5006	0.622157	0.725671	-6.3736
CCT2	-0.15536	-0.1691	-0.50035	0.622325	0.725824	-6.37372
KDSR	-0.14282	0.109205	-0.50003	0.62255	0.726	-6.37389
ZNF727	-0.10573	-0.25598	-0.49959	0.62285	0.726306	-6.37411
ZACN	-0.11572	0.472055	-0.49946	0.622945	0.726363	-6.37418
KCNE4	-0.07519	-0.03211	-0.49942	0.622973	0.726363	-6.3742
RCAN1	0.135294	-0.06786	0.331502	0.744349	0.825678	-6.37422
PREX2	0.150855	0.090513	0.498974	0.623278	0.726633	-6.37442
IQCK	-0.10292	-0.05326	-0.49895	0.623298	0.726633	-6.37444
KIF13B	0.106581	0.103849	0.49892	0.623315	0.726633	-6.37445
FAM183A	-0.21695	0.419781	-0.47823	0.637981	0.739025	-6.37448
GSK3A	0.081274	0.092481	0.498573	0.623556	0.726827	-6.37462
ACOT11	0.145709	0.087425	0.498348	0.623711	0.726964	-6.37474
HPSE	0.144936	0.086962	0.498249	0.62378	0.727001	-6.37479
TTC23L	0.060728	-0.05893	0.49818	0.623828	0.727014	-6.37482
SLC7A8	0.143056	0.085834	0.498	0.623952	0.727061	-6.37491
HCG4B	0.141941	0.085165	0.497848	0.624057	0.727061	-6.37499
ISOC2	0.116105	0.174128	0.497848	0.624058	0.727061	-6.37499
WFDC8	0.141271	0.084762	0.497756	0.624122	0.727061	-6.37504
PRTN3	-0.41037	0.415825	-0.49775	0.624128	0.727061	-6.37504

RBM12B	-0.19763	0.269978	-0.477	0.63884	0.739815	-6.37507
ASF1A	0.114734	-0.19199	0.4974	0.624368	0.72726	-6.37522
MTMR2	0.10254	-0.07708	0.497392	0.624374	0.72726	-6.37522
TUSC3	0.18968	0.059945	0.497226	0.624488	0.727351	-6.3753
HLA-E	-0.09114	0.221698	-0.49681	0.624775	0.727602	-6.37551
TCTN2	0.108346	0.063874	0.496808	0.624778	0.727602	-6.37551
ADAMTSL1	-0.1297	0.094314	-0.49667	0.624876	0.727673	-6.37559
MGC2889	-0.10309	0.074941	-0.47591	0.6396	0.740462	-6.3756
RAPGEF6	0.132911	0.079747	0.49648	0.625005	0.727755	-6.37568
TMEM87A	-0.07506	-0.33662	-0.49646	0.625022	0.727755	-6.37569
CA3	0.187214	0.275884	0.496404	0.625058	0.727755	-6.37572
SLC35D2	-0.0922	0.25113	-0.38207	0.706676	0.794258	-6.3758
CCL22	-0.04011	-0.02533	-0.38204	0.706701	0.794258	-6.37582
FAM174B	0.155146	0.197647	0.496112	0.62526	0.727881	-6.37587
PDSS2	-0.11645	0.196012	-0.47535	0.639994	0.740787	-6.37587
SDK1	0.139437	0.250777	0.496086	0.625278	0.727881	-6.37588
FSHR	-0.11125	0.118089	-0.49593	0.625389	0.727967	-6.37596
CPLX1	-0.15653	0.2277	-0.49585	0.625439	0.727983	-6.376
IFT81	-0.14503	0.190356	-0.49555	0.625649	0.728169	-6.37615
ALDH9A1	0.111326	0.108375	0.495515	0.625674	0.728169	-6.37617
XKRX	0.176671	0.253124	0.474216	0.640789	0.741181	-6.37642
LOC64710	0.126724	0.10204	0.380324	0.707953	0.795301	-6.37648
FN1	0.138928	0.224934	0.494805	0.626166	0.728698	-6.37652
C3orf55	-0.13261	0.047847	-0.47341	0.641352	0.741741	-6.37681
NKAIN3	0.120968	0.072581	0.494204	0.626583	0.72914	-6.37682
AASDH	0.119133	0.07148	0.493796	0.626866	0.729356	-6.37703
PLCXD1	0.129066	0.143113	0.493715	0.626922	0.729356	-6.37707
GCNT2	0.118552	0.071131	0.493663	0.626958	0.729356	-6.37709
HNRNPL	-0.08005	0.031801	-0.49365	0.626968	0.729356	-6.3771
LOC10013	-0.03874	0.007748	-0.49364	0.626972	0.729356	-6.3771
CNST	-0.16621	-0.06041	-0.49351	0.627062	0.729394	-6.37717
ZNF844	0.117134	0.07028	0.49333	0.627189	0.729499	-6.37726
RNF219	-0.10663	-0.52574	-0.49311	0.627342	0.729633	-6.37737
ELANE	0.394036	-0.00191	0.492762	0.627583	0.729871	-6.37755
FLJ42393	-0.29112	0.828196	-0.4927	0.627623	0.729874	-6.37757
FLJ34503	0.055305	-0.04939	0.471672	0.64257	0.74276	-6.37765
ORAI1	-0.19486	0.352279	-0.49253	0.627742	0.729969	-6.37766
LOC10014	-0.12556	-0.03729	-0.49244	0.627809	0.730003	-6.37771
MYC	0.18243	0.063324	0.492246	0.627942	0.730114	-6.3778
EXOC3L1	0.186379	0.257076	0.492016	0.628101	0.730256	-6.37792
DMP1	0.18709	-0.10351	0.491846	0.62822	0.730351	-6.378
MATN2	-0.16694	0.109546	-0.49157	0.628414	0.730533	-6.37814
NPY2R	0.109208	0.065525	0.491242	0.628639	0.730752	-6.3783
FABP6	0.040694	-0.07344	0.151958	0.880923	0.927053	-6.37833
SPEG	0.17519	0.184186	0.490316	0.629282	0.731369	-6.37877
HOTAIR	0.135076	0.107455	0.490113	0.629423	0.731464	-6.37887
LOC10028	0.08707	-0.19231	0.490091	0.629438	0.731464	-6.37888

DKK1	-0.13742	0.116207	-0.46864	0.644697	0.744329	-6.3791
PECAM1	0.16139	-0.0438	0.488977	0.630213	0.732194	-6.37943
CLEC7A	0.102104	0.061262	0.488972	0.630216	0.732194	-6.37943
MRPL50	-0.1508	-0.22621	-0.48892	0.630253	0.732194	-6.37946
C9orf21	-0.10535	0.004809	-0.44211	0.663712	0.759713	-6.37952
LOC100506	0.17982	0.015317	0.488647	0.630442	0.73237	-6.37959
CAMK2A	-0.09872	-0.19096	-0.46742	0.645551	0.745022	-6.37967
LOC440934	0.099972	0.059983	0.488202	0.630752	0.732599	-6.37981
CGB2	0.078223	-0.06917	0.488117	0.630811	0.732625	-6.37986
FCGR3A	0.114028	0.108286	0.487874	0.63098	0.732729	-6.37998
LOC100505	-0.16231	0.010182	-0.48784	0.631007	0.732729	-6.38
SLC7A11	-0.10907	0.092978	-0.48783	0.631013	0.732729	-6.38
LOC401433	-0.08177	0.382582	-0.1407	0.889681	0.933612	-6.38002
CD33	-0.17678	0.110065	-0.48771	0.631096	0.732782	-6.38006
BRIP1	0.097784	0.058671	0.487363	0.631336	0.732998	-6.38023
GPR98	0.097707	0.058624	0.487333	0.631357	0.732998	-6.38024
PEX12	-0.10407	0.097932	-0.48712	0.631508	0.73313	-6.38035
TMEM140	-0.20263	0.612451	-0.48689	0.631667	0.733272	-6.38047
MCCD1	0.071038	-0.11643	0.486621	0.631852	0.733443	-6.3806
DNAH8	0.092557	0.032901	0.486482	0.631949	0.733478	-6.38067
RAB9A	-0.07933	0.046815	-0.48647	0.631957	0.733478	-6.38067
ABCA13	-0.10744	0.204872	-0.1337	0.895135	0.937389	-6.381
CCDC65	-0.01404	-0.32626	-0.04498	0.964654	0.985117	-6.38103
DCUN1D4	-0.15161	-0.22029	-0.43852	0.666264	0.7617	-6.38113
HRASLS2	0.200292	0.576391	0.484901	0.63305	0.734685	-6.38144
USP10	0.17513	-0.01008	0.484869	0.633073	0.734685	-6.38146
DEFB1	0.251086	-0.24926	0.405103	0.690494	0.780971	-6.38157
DLX2	-0.12359	-0.04489	-0.48454	0.633304	0.73491	-6.38162
LOC90834	0.091077	0.054646	0.484438	0.633373	0.734947	-6.38167
TRIT1	-0.01026	0.373199	-0.02767	0.978251	0.994854	-6.38167
LOC100506	0.065679	-0.16648	0.308719	0.761317	0.839415	-6.3817
LOC100283	0.110269	-0.00423	0.484007	0.633674	0.735229	-6.38188
ACTG2	0.170183	0.328103	0.483948	0.633715	0.735229	-6.38191
LOC100503	0.089924	0.053954	0.483874	0.633766	0.735229	-6.38195
CCKBR	-0.18968	0.175386	-0.48387	0.633767	0.735229	-6.38195
IL5	0.122449	-0.23195	0.365066	0.719123	0.804714	-6.38228
IMPG1	-0.17449	0.022007	-0.36506	0.719126	0.804714	-6.38228
PBLD	-0.16269	0.194948	-0.48263	0.634637	0.736068	-6.38256
ECHDC2	0.12857	-0.04278	0.482572	0.634675	0.736068	-6.38259
WWP1	0.111024	-0.39393	0.482568	0.634677	0.736068	-6.38259
LIG4	0.119228	0.071537	0.482388	0.634803	0.73617	-6.38268
GJB2	-0.16909	0.215549	-0.4822	0.634935	0.73628	-6.38277
NUP133	-0.07865	0.139535	-0.33791	0.739369	0.821762	-6.38279
APPBP2	0.073193	-0.19105	0.481748	0.63525	0.736558	-6.38299
MSTO1	0.102992	0.150379	0.481005	0.635769	0.737028	-6.38335
HIST1H4L	-0.13014	-0.47545	-0.48079	0.635921	0.737161	-6.38346
PKI55	0.035067	-0.15816	0.113897	0.91059	0.948392	-6.38352

PARP14	-0.18342	0.321453	-0.48046	0.636149	0.737382	-6.38362
WDR92	-0.09902	0.288259	-0.47987	0.63656	0.737771	-6.38391
FAM200B	-0.1825	0.106044	-0.47974	0.63665	0.737831	-6.38397
ACTL8	0.115989	-0.14012	0.479581	0.636763	0.737919	-6.38405
ATRN	-0.10569	0.015071	-0.47947	0.636837	0.737961	-6.3841
LRRC40	-0.18477	-0.00025	-0.47913	0.637081	0.738201	-6.38427
OR12D3	0.093461	-0.19242	0.478771	0.637329	0.738444	-6.38444
LOC100147	0.049072	-0.20038	0.104843	0.917669	0.953029	-6.38454
CXADRP2	-0.05461	0.012136	-0.43047	0.672001	0.766336	-6.3847
LYRM4	0.142499	-0.07305	0.478215	0.637718	0.738805	-6.38471
CECR5-AS1	-0.09787	-0.07701	-0.47816	0.637754	0.738805	-6.38474
LY9	0.166638	0.349666	0.477505	0.638214	0.739251	-6.38506
LOC253801	-0.07535	-0.18677	-0.42955	0.672662	0.766822	-6.38511
RAF1	-0.09626	0.119688	-0.47677	0.638726	0.739796	-6.38541
MRAS	0.152262	0.162523	0.476725	0.63876	0.739796	-6.38543
TRIM36	0.099083	-0.16398	0.296682	0.770332	0.845677	-6.38544
TMEM74	0.037389	-0.0237	0.476593	0.638852	0.739815	-6.3855
ITSN1	-0.18807	0.373883	-0.47634	0.639026	0.739973	-6.38562
DSCR4	0.02475	-0.20298	0.094101	0.926077	0.958965	-6.38563
C22orf29	0.073198	0.268344	0.476272	0.639077	0.739988	-6.38565
SPIRE1	-0.13318	-0.03164	-0.45464	0.654558	0.752268	-6.38567
CLDN11	0.217067	0.059191	0.476072	0.639217	0.740106	-6.38575
PATZ1	0.210965	0.352653	0.475622	0.639532	0.740427	-6.38597
GALNT4	-0.07615	-0.04569	-0.47528	0.639769	0.740614	-6.38613
B3GNT8	-0.1233	0.020726	-0.47508	0.639913	0.740737	-6.38623
RBM43	-0.0436	-0.01889	-0.4749	0.640037	0.740793	-6.38632
CROT	0.140973	-0.16751	0.453207	0.655569	0.753164	-6.38633
ANKRD5	0.129837	-0.15915	0.47474	0.64015	0.740877	-6.38639
CEP89	0.218977	0.416332	0.474689	0.640185	0.740877	-6.38642
WDR89	-0.03346	-0.01013	-0.47462	0.640234	0.74089	-6.38645
LRIT2	-0.13502	0.027569	-0.47456	0.640279	0.740897	-6.38648
PLA2G15	-0.09546	0.142583	-0.47442	0.640371	0.740917	-6.38655
KIAA0895	0.113029	0.316659	0.353407	0.727702	0.811815	-6.38655
CLIP3	0.154491	0.296534	0.474327	0.640439	0.740917	-6.38659
LOC100506	-0.06479	-0.09423	-0.47406	0.640625	0.741079	-6.38672
MAGEA12	0.083444	-0.15722	0.352918	0.728062	0.812025	-6.38673
LOC389761	0.110418	-0.17674	0.473939	0.640711	0.741135	-6.38678
NDUFA5	0.170554	0.034846	0.473196	0.641231	0.74165	-6.38714
CSMD2	-0.06981	-0.15907	-0.29079	0.774758	0.84879	-6.38722
TREM1	-0.15975	0.52133	-0.47298	0.641386	0.741741	-6.38724
FAM98B	-0.12549	-0.25546	-0.42462	0.676183	0.769583	-6.38726
CLCN5	0.057478	-0.02116	0.472853	0.641472	0.741797	-6.3873
STMN3	-0.15678	0.261274	-0.47248	0.641733	0.742055	-6.38748
ANO8	0.028012	-0.0056	0.472421	0.641775	0.74206	-6.38751
HN1L	0.110699	0.203325	0.472123	0.641984	0.742257	-6.38765
LOC440337	0.085634	-0.56882	0.283085	0.781016	0.853165	-6.38771
AAMP	-0.09828	0.225527	-0.47195	0.642104	0.742352	-6.38773

CFH	0.249505	-0.41325	0.423077	0.677288	0.770411	-6.38793
DMRTC2	0.140371	0.00641	0.4715	0.642421	0.742675	-6.38795
LOC100293	0.109482	-0.19795	0.471034	0.642748	0.742834	-6.38817
LOC100133	-0.02265	0.251472	-0.06224	0.951063	0.976437	-6.38819
JOSD2	0.097593	-0.16354	0.470928	0.642822	0.742836	-6.38822
SLC25A31	0.071024	0.042614	0.470923	0.642825	0.742836	-6.38823
IL21R	-0.15025	0.137322	-0.47073	0.642959	0.742946	-6.38832
MYBPC1	-0.01972	-0.16743	-0.05609	0.955893	0.979272	-6.38856
FAM86A	0.186076	0.118791	0.470154	0.643366	0.743328	-6.38859
SVIP	0.069987	0.041992	0.46994	0.643516	0.743449	-6.3887
ZNF621	0.065536	-0.37141	0.469888	0.643552	0.743449	-6.38872
TMEM105	0.081113	-0.27894	0.469843	0.643584	0.743449	-6.38874
TMEM67	-0.0292	-0.01844	-0.34719	0.732294	0.815816	-6.38878
VSTM2B	-0.2191	-0.08075	-0.46952	0.643813	0.743669	-6.3889
TRPV6	0.069402	-0.15151	0.469446	0.643862	0.743683	-6.38893
ROPN1	-0.19874	0.137696	-0.46911	0.6441	0.743913	-6.38909
LIMD1	-0.12859	0.170005	-0.46866	0.644412	0.744186	-6.3893
PNKD	-0.08473	0.029908	-0.46845	0.644564	0.744318	-6.38941
CENPV	-0.2197	0.281786	-0.4463	0.660463	0.757588	-6.3895
DPT	-0.04615	0.038748	-0.46823	0.644719	0.744329	-6.38951
FNIP1	0.174099	0.104459	0.468193	0.644743	0.744329	-6.38953
ISLR2	-0.05616	-0.03682	-0.46816	0.644763	0.744329	-6.38954
LOC100506	-0.17889	0.074843	-0.46797	0.6449	0.744443	-6.38963
LPAR4	0.032459	-0.01918	0.445736	0.660861	0.757689	-6.38975
KCNE2	0.07088	-0.13408	0.445584	0.660969	0.757769	-6.38982
A1BG-AS1	-0.0918	0.104408	-0.46735	0.645334	0.744856	-6.38993
TBCCD1	0.130732	0.195815	0.445258	0.6612	0.757812	-6.38997
DAZAP1	-0.12114	0.294877	-0.34369	0.73488	0.817999	-6.39001
OPHN1	-0.02766	0.005532	-0.46704	0.645554	0.745022	-6.39008
ATP5O	-0.14025	-0.18899	-0.46656	0.645888	0.745363	-6.3903
PIK3R4	-0.10801	0.078806	-0.46615	0.646179	0.745656	-6.3905
EPT1	0.098545	-0.12292	0.465649	0.646531	0.745982	-6.39073
SLC10A3	-0.07481	0.205691	-0.46564	0.646538	0.745982	-6.39074
TRIM32	0.18079	0.181853	0.465175	0.646865	0.746316	-6.39096
DTX3	-0.16925	0.681527	-0.46458	0.647287	0.746671	-6.39124
MSTN	0.064944	0.038966	0.464575	0.647287	0.746671	-6.39124
ZNF594	0.08017	0.062787	0.464366	0.647435	0.746797	-6.39134
C18orf26	0.064714	0.038828	0.464305	0.647477	0.746802	-6.39137
MAGEC3	-0.13157	-0.05571	-0.46388	0.647775	0.747014	-6.39157
TRGV7	0.113636	-0.21735	0.46382	0.647819	0.747014	-6.3916
DDX55	-0.23985	0.650655	-0.46376	0.64786	0.747014	-6.39163
DLL3	-0.15172	-0.01503	-0.46375	0.647869	0.747014	-6.39163
FAM203A	0.125527	0.195183	0.463714	0.647893	0.747014	-6.39165
TRPM3	0.099996	0.031918	0.463675	0.647921	0.747014	-6.39167
CHGB	-0.27424	0.265636	-0.46366	0.647928	0.747014	-6.39167
SAMD14	0.214265	0.750996	0.463501	0.648043	0.747103	-6.39175
C2orf42	-0.12532	0.486863	-0.46327	0.648205	0.747245	-6.39186

ENPP1	-0.0507	-0.07113	-0.46321	0.64825	0.747253	-6.39189
CDKN2B	0.211981	0.384543	0.463128	0.648306	0.747274	-6.39192
CPEB2	-0.14551	0.445339	-0.46298	0.648412	0.747352	-6.39199
MYH11	-0.18014	0.264461	-0.46291	0.648457	0.74736	-6.39202
TPCN1	0.145067	0.512683	0.462732	0.648585	0.747464	-6.39211
STRN	-0.12534	0.005673	-0.4624	0.648817	0.747643	-6.39226
CHAF1A	-0.11163	0.245713	-0.46174	0.649285	0.748094	-6.39258
ESRRG	0.062421	0.037453	0.461476	0.64947	0.748264	-6.3927
C1orf93	0.095415	0.270523	0.46124	0.649636	0.748383	-6.39281
SERHL2	0.088283	0.006387	0.461203	0.649663	0.748383	-6.39283
GABRA4	-0.10673	-0.06404	-0.46117	0.649689	0.748383	-6.39285
PUS1	-0.11869	0.294739	-0.46086	0.649905	0.748545	-6.39299
GEN1	0.119538	-0.18919	0.460713	0.650008	0.748619	-6.39306
COPG	0.084384	0.251864	0.460563	0.650114	0.748698	-6.39313
C14orf2	0.169562	-0.83454	0.460307	0.650295	0.748861	-6.39325
ATP6VOC	-0.11093	0.400454	-0.46022	0.650358	0.74889	-6.39329
RGMB	-0.03401	-0.01728	-0.43778	0.666517	0.761812	-6.39333
CDAN1	-0.11929	0.130619	-0.43762	0.666633	0.761899	-6.3934
NDUFS4	0.147207	-0.64592	0.459793	0.650657	0.749191	-6.39349
HECW2	-0.06091	0.069767	-0.33321	0.742648	0.824211	-6.39363
AOC3	-0.11836	0.600312	-0.45927	0.651026	0.749555	-6.39373
WBP5	0.169247	-0.09077	0.459228	0.651056	0.749555	-6.39375
CDKN1B	-0.11621	-0.15927	-0.45914	0.651121	0.749555	-6.39379
SPECC1	0.143046	0.121079	0.459128	0.651127	0.749555	-6.3938
PROCA1	-0.07759	0.318503	-0.45901	0.651209	0.749606	-6.39385
LOC28314	-0.12512	-0.06755	-0.43655	0.66739	0.762498	-6.39388
SMPDL3B	-0.08402	0.270932	-0.4589	0.65129	0.749655	-6.39391
C5orf41	0.156836	-0.24201	0.458815	0.651348	0.749677	-6.39394
C10orf140	-0.02866	-0.0181	-0.33194	0.743593	0.825073	-6.39406
VASH1	0.220387	0.253594	0.45853	0.651548	0.749864	-6.39408
MCOLN1	-0.12117	0.024186	-0.45812	0.651837	0.750143	-6.39427
RGS11	0.106393	-0.32265	0.458079	0.651867	0.750143	-6.39429
IGSF8	-0.1113	0.446009	-0.45782	0.65205	0.750309	-6.39441
EXOC3L4	0.075616	0.140129	0.265625	0.793748	0.862266	-6.39442
JAM3	0.184417	0.480148	0.457288	0.652426	0.750698	-6.39465
USMG5	-0.12495	-0.4093	-0.45718	0.6525	0.75072	-6.3947
PTCD1	-0.08928	0.252138	-0.45715	0.652522	0.75072	-6.39472
ETHE1	-0.08516	0.019768	-0.45708	0.652571	0.750732	-6.39475
MAGEH1	0.143457	-0.04349	0.456947	0.652666	0.750798	-6.39481
FLJ40292	0.06924	-0.10615	0.456764	0.652796	0.750903	-6.3949
LOC10012	-0.12119	-0.44389	-0.37148	0.714904	0.801409	-6.39495
C17orf74	0.086115	-0.32857	0.456344	0.653093	0.7512	-6.39509
SGMS1	0.178783	0.013058	0.455937	0.65338	0.751487	-6.39528
HSD17B12	-0.21673	-0.23037	-0.45577	0.653495	0.751575	-6.39536
AVIL	-0.19751	0.758192	-0.45545	0.653724	0.751759	-6.39551
FAM86C2P	-0.16675	0.210927	-0.4554	0.653762	0.751759	-6.39553
REG3A	0.066367	-0.09942	0.455386	0.65377	0.751759	-6.39554

DNAJB3	0.064867	-0.15209	0.455221	0.653886	0.751804	-6.39561
GTF2F1	-0.06272	0.239525	-0.45496	0.654069	0.751971	-6.39573
MUTYH	-0.1078	0.246997	-0.45481	0.654177	0.752006	-6.3958
C10orf11	0.135345	0.254205	0.454772	0.654204	0.752006	-6.39582
GOLIM4	-0.07254	-0.10038	-0.45449	0.654403	0.752178	-6.39595
SERINC5	0.073414	-0.02346	0.454436	0.654442	0.752178	-6.39598
PLEC	-0.09976	0.158211	-0.45382	0.654877	0.752573	-6.39626
CDC37L1	-0.13711	-0.19187	-0.45379	0.654901	0.752573	-6.39628
ZBTB6	-0.13764	-0.2014	-0.40291	0.691792	0.781852	-6.39643
BMP4	-0.05525	-0.28199	-0.2581	0.799452	0.866445	-6.39644
APOA1	-0.05596	0.057922	-0.45342	0.655157	0.752808	-6.39644
KIF7	0.097277	-0.28237	0.324802	0.748905	0.829464	-6.39646
KDM2B	-0.12024	0.415511	-0.45339	0.655182	0.752808	-6.39646
ARMCX5	-0.13823	-0.13342	-0.45311	0.655379	0.75299	-6.39659
TTC31	0.076347	-0.01948	0.452666	0.655694	0.753264	-6.39679
CISD3	0.109644	-0.04725	0.4525	0.655811	0.753355	-6.39687
PHF7	-0.10409	-0.01263	-0.45242	0.655867	0.753375	-6.3969
POLI	-0.11547	0.097446	-0.42925	0.672602	0.766798	-6.3971
SDC3	-0.14228	0.385233	-0.45199	0.656176	0.753654	-6.3971
ZNF259	-0.08077	0.191165	-0.45193	0.656218	0.753654	-6.39713
C18orf56	-0.08054	0.107241	-0.45191	0.656226	0.753654	-6.39714
LIN52	-0.16148	0.227982	-0.42905	0.672745	0.766872	-6.39719
EPHA3	0.055823	0.033494	0.451713	0.656369	0.753771	-6.39723
MDH1	-0.1211	-0.20824	-0.45166	0.656404	0.753771	-6.39725
LRRC31	-0.124	0.01437	-0.45124	0.656704	0.754071	-6.39745
CCDC164	-0.20747	0.461082	-0.45097	0.656894	0.754244	-6.39757
MN1	0.181708	0.109955	0.450811	0.657008	0.754331	-6.39764
QTRT1	0.114961	0.023146	0.450662	0.657114	0.754408	-6.39771
WNT3A	-0.10661	-0.0807	-0.45053	0.657208	0.754472	-6.39777
NUDT9	-0.20358	0.52543	-0.45008	0.657523	0.75479	-6.39798
SP4	-0.06675	-0.06836	-0.42712	0.674127	0.767912	-6.39803
ZNF750	0.151255	0.090753	0.449949	0.657619	0.754856	-6.39804
MUCL1	-0.08301	0.065847	-0.44917	0.658171	0.755407	-6.39839
NMT2	0.216714	0.186727	0.449163	0.658176	0.755407	-6.3984
GKN2	-0.11743	0.047587	-0.44891	0.658355	0.755568	-6.39851
HPX-2	-0.10766	-0.14525	-0.44783	0.659122	0.756404	-6.39901
SLC30A2	-0.0545	0.145295	-0.44739	0.659436	0.75672	-6.39921
VSIG4	-0.26819	0.060037	-0.44709	0.659648	0.756919	-6.39934
RPS24	0.24813	-0.7645	0.446937	0.659755	0.756975	-6.39941
LAMP3	0.23852	-0.03078	0.446909	0.659775	0.756975	-6.39942
COX4I1	0.077667	-0.24614	0.446659	0.659953	0.757135	-6.39954
UBQLNL	-0.15086	0.559767	-0.28519	0.778777	0.851907	-6.39961
CTSH	-0.09048	-0.00618	-0.4465	0.660069	0.757224	-6.39961
KIAA1107	0.168167	-0.01609	0.315107	0.756139	0.835185	-6.39963
EEFSEC	0.106813	0.413718	0.446059	0.660379	0.757535	-6.39981
MYH15	-0.06886	-0.34209	-0.245	0.809414	0.874265	-6.39983
NEU4	0.12032	0.271116	0.445853	0.660525	0.75759	-6.3999

PDIK1L	0.190354	-0.29833	0.422744	0.677261	0.770411	-6.39992
CDR2	-0.17656	0.306981	-0.44581	0.660558	0.75759	-6.39992
C3orf78	0.151556	-0.03447	0.445774	0.660581	0.75759	-6.39994
TCF7L2	0.052517	0.03151	0.445702	0.660632	0.757604	-6.39997
CDX1	-0.05452	-0.10443	-0.42263	0.677344	0.770411	-6.39997
GOSR1	-0.07056	-0.06173	-0.4456	0.660702	0.757627	-6.40002
PMAIP1	0.155076	-0.17833	0.445565	0.66073	0.757627	-6.40003
SOX12	-0.22222	1.10092	-0.44539	0.660856	0.757689	-6.40011
ASXL1	-0.08548	-0.11379	-0.44517	0.661009	0.75777	-6.40021
NDUFAF4	-0.13034	0.151095	-0.283	0.780429	0.852904	-6.40025
RAB33B	0.052206	0.031324	0.44509	0.661066	0.757792	-6.40025
PTH1R	-0.09588	-0.05773	-0.44498	0.661144	0.757812	-6.4003
LINC00309	-0.05212	-0.03127	-0.44493	0.661182	0.757812	-6.40032
SMOC2	-0.09832	-0.02509	-0.44483	0.661255	0.757831	-6.40037
HNRNPD	0.072018	-0.20086	0.444733	0.66132	0.757861	-6.40041
SRCAP	0.085531	0.381264	0.444584	0.661426	0.757906	-6.40048
DCN	0.088246	-0.18714	0.444569	0.661437	0.757906	-6.40048
BDH1	0.076768	0.01337	0.444394	0.661561	0.758004	-6.40056
SLC5A1	0.093485	-0.10512	0.444312	0.66162	0.758027	-6.4006
EPB41L3	0.150143	-0.00641	0.444154	0.661732	0.758111	-6.40067
LMO4	-0.08818	0.107072	-0.44405	0.661803	0.758149	-6.40072
PRELID1	-0.06954	0.065227	-0.44356	0.662153	0.758505	-6.40094
CYP1A1	0.078077	-0.09051	0.443478	0.662212	0.758528	-6.40098
MCRS1	-0.0746	0.077123	-0.44297	0.662577	0.758857	-6.40121
ADAP2	-0.10988	0.408408	-0.44276	0.662725	0.758983	-6.4013
FAM194B	0.131254	0.059451	0.442617	0.662825	0.759053	-6.40137
TCEAL2	0.094793	-0.43222	0.419034	0.679924	0.772762	-6.40152
ZNF384	-0.06673	0.093829	-0.44219	0.663131	0.759359	-6.40156
EIF2S3	-0.10515	0.193106	-0.44205	0.663225	0.759422	-6.40162
IFITM10	-0.11289	0.384149	-0.44191	0.663328	0.759496	-6.40168
THSD1	0.142272	0.038066	0.441722	0.663462	0.759594	-6.40177
ZFR2	-0.06514	-0.05952	-0.44168	0.663491	0.759594	-6.40179
STAP2	-0.11387	0.268996	-0.44161	0.663543	0.759608	-6.40182
IER5L	0.099165	0.140633	0.441507	0.663615	0.759646	-6.40186
FLJ90757	-0.19396	0.768999	-0.44129	0.663769	0.759735	-6.40196
SOX2	0.15096	-0.23116	0.441196	0.663836	0.759766	-6.402
HDDC3	-0.10847	0.017035	-0.44107	0.663927	0.759827	-6.40206
TMX2	0.075611	0.054948	0.440747	0.664155	0.760024	-6.40221
BIRC8	-0.08522	-0.13244	-0.27615	0.785601	0.856407	-6.40221
VMO1	-0.17457	0.256168	-0.44071	0.664182	0.760024	-6.40222
TEX11	0.172043	-0.07787	0.440661	0.664216	0.760024	-6.40224
PAEP	-0.05084	0.012726	-0.41697	0.681406	0.773685	-6.4024
SFXN4	0.082023	0.052982	0.440233	0.664521	0.760329	-6.40244
NBR1	0.091907	-0.08607	0.439707	0.664896	0.760713	-6.40267
MRPL11	-0.08847	-0.06672	-0.43963	0.664953	0.760734	-6.40271
PQBP1	-0.06846	0.040095	-0.43911	0.665323	0.761067	-6.40294
MACROD2	-0.18297	0.022529	-0.43902	0.665383	0.761067	-6.40298

UBE2R2	-0.09911	0.352828	-0.43901	0.665393	0.761067	-6.40298
PDXDC1	-0.06177	0.178788	-0.439	0.6654	0.761067	-6.40299
HERC5	0.362662	0.108052	0.438621	0.66567	0.761289	-6.40316
OPCML	0.095879	0.081084	0.438564	0.66571	0.761289	-6.40318
NAA11	0.058546	0.010481	0.438441	0.665798	0.7613	-6.40324
C12orf52	-0.06822	0.288046	-0.43804	0.66608	0.761579	-6.40341
NR1D2	0.127008	0.063865	0.414543	0.683152	0.775218	-6.40343
INF2	0.109092	0.30344	0.437805	0.666251	0.7617	-6.40352
ND1	0.139169	0.449554	0.437602	0.666395	0.761763	-6.40361
RUNDC3B	0.111157	-0.18574	0.4376	0.666397	0.761763	-6.40361
STRA13	0.099646	-0.01113	0.437536	0.666443	0.761771	-6.40364
PEG10	-0.10196	0.144532	-0.4371	0.666756	0.761996	-6.40383
MRPS35	-0.10336	-0.11566	-0.43675	0.667002	0.762223	-6.40399
LYAR	-0.07972	0.217358	-0.43671	0.667033	0.762223	-6.40401
AVPR1B	0.047128	-0.08852	0.412951	0.684298	0.776158	-6.4041
SLC25A29	-0.12597	0.258307	-0.4364	0.66725	0.762382	-6.40414
LRP4	0.06414	-0.18091	0.412807	0.684402	0.776187	-6.40416
CYB5R2	0.127678	-0.17197	0.435782	0.667694	0.7628	-6.40442
OCA2	-0.02564	0.005128	-0.43565	0.667786	0.762862	-6.40448
TUBGCP5	-0.12317	0.109802	-0.29943	0.767883	0.844042	-6.40455
LIPT1	-0.1645	-0.16679	-0.41178	0.685141	0.776709	-6.40459
WWTR1	-0.15343	0.207545	-0.43532	0.668021	0.763077	-6.40462
FOXJ1	0.136538	0.312769	0.4348	0.668394	0.763418	-6.40485
NBEA	0.111597	0.071268	0.381887	0.70705	0.794605	-6.40487
RGS12	0.140589	0.343911	0.434746	0.668433	0.763418	-6.40488
GIMAP8	0.120823	-0.01554	0.434662	0.668493	0.763418	-6.40491
LCMT1	0.055779	-0.09755	0.434501	0.668608	0.763418	-6.40499
GPR126	-0.09217	-0.02675	-0.43448	0.668622	0.763418	-6.40499
GC	0.12401	-0.36393	0.434479	0.668624	0.763418	-6.405
ZNF165	-0.11253	0.231279	-0.29782	0.769098	0.844998	-6.40504
FAM47E	-0.1833	0.318425	-0.43385	0.669071	0.763839	-6.40527
MIPOL1	-0.09612	0.106496	-0.40999	0.686429	0.777675	-6.40534
ZNF823	-0.16666	0.325325	-0.43359	0.669258	0.764009	-6.40539
SPTY2D1	0.113912	0.067569	0.409826	0.68655	0.777767	-6.40541
FOXF1	0.08768	-0.29366	0.433294	0.669469	0.764161	-6.40552
ZNF354B	-0.12952	-0.25678	-0.40873	0.687338	0.778524	-6.40586
PDCL2	0.089859	0.013652	0.379309	0.708929	0.796148	-6.40588
C19orf6	-0.1384	0.262365	-0.43237	0.670132	0.764872	-6.40593
OSBPL7	-0.11496	0.421928	-0.43226	0.670206	0.764912	-6.40597
LOC100306	0.106913	-0.06041	0.37881	0.709294	0.796487	-6.40607
MTUS2	0.118459	0.071075	0.432032	0.670371	0.765056	-6.40607
NFE2	-0.12866	0.193458	-0.43191	0.670455	0.765107	-6.40613
GSPT2	-0.13544	0.368854	-0.43155	0.670718	0.765363	-6.40629
KANK4	0.092764	-0.24697	0.288867	0.776424	0.850136	-6.40634
ZMIZ2	-0.08606	0.470946	-0.43085	0.671217	0.765799	-6.40659
SH2D1A	0.237678	-0.44407	0.406919	0.688647	0.779458	-6.40662
GGTA1P	-0.1739	-0.22873	-0.43027	0.671631	0.766166	-6.40685

ESAM	0.131492	0.150989	0.430235	0.671656	0.766166	-6.40686
MGC2327C	-0.11909	0.234417	-0.43008	0.671764	0.766216	-6.40693
INTS2	0.045677	0.027406	0.430064	0.671779	0.766216	-6.40694
GLUL	-0.1305	0.116217	-0.42985	0.671932	0.766327	-6.40703
KRT36	0.075927	-0.27481	0.25846	0.799006	0.866178	-6.40706
MEP1A	0.078361	-0.18349	0.405818	0.689442	0.780151	-6.40708
MTF2	0.131991	-0.14807	0.405533	0.689648	0.780285	-6.40719
GLO1	-0.13706	0.507333	-0.25756	0.799691	0.866549	-6.4073
FAM168B	-0.09201	-0.05984	-0.42918	0.672413	0.766709	-6.40732
PPP2R5C	0.116743	-0.11861	0.429131	0.672446	0.766709	-6.40734
SYT4	-0.0419	0.039266	-0.42853	0.672874	0.766975	-6.40761
C11orf96	0.188451	0.114331	0.404222	0.690596	0.780996	-6.40774
EIF4B	-0.0911	0.07676	-0.42821	0.673104	0.767097	-6.40775
C6orf25	0.217737	0.718797	0.428115	0.673173	0.767097	-6.40779
C6orf165	0.057582	0.037921	0.428082	0.673197	0.767097	-6.4078
Sep-05	-0.15611	0.700898	-0.42807	0.673204	0.767097	-6.40781
USP9X	0.107036	-0.16392	0.428055	0.673216	0.767097	-6.40781
SEC24B	0.162732	-0.08405	0.427833	0.673375	0.767233	-6.40791
LAX1	-0.14751	0.160154	-0.4274	0.673686	0.767542	-6.4081
CCL28	0.055975	-0.20175	0.254474	0.802036	0.868477	-6.40811
RACGAP1P	0.089267	-0.08276	0.427344	0.673725	0.767543	-6.40812
RPL7	-0.15847	-0.66517	-0.42704	0.673941	0.767744	-6.40825
UBE2U	0.11143	0.102398	0.402924	0.691534	0.781696	-6.40827
HIST1H3I	-0.08776	-0.02271	-0.40282	0.691608	0.781734	-6.40831
LOC100501	0.152518	0.059019	0.425901	0.674759	0.768586	-6.40875
ZNF23	0.130455	-0.08192	0.425687	0.674912	0.768646	-6.40884
DIAPH1	-0.12047	0.379759	-0.42568	0.674916	0.768646	-6.40884
CD83	-0.13296	0.176867	-0.42566	0.674929	0.768646	-6.40885
PCBP1	-0.06278	0.274602	-0.42525	0.675227	0.768941	-6.40903
USP29	-0.07909	0.048417	-0.2842	0.77935	0.852324	-6.40909
FAM73B	-0.0673	0.233498	-0.42508	0.675348	0.768959	-6.40911
ZNF385B	-0.12762	0.037096	-0.42506	0.675361	0.768959	-6.40911
PDIA4	0.084332	0.389555	0.424669	0.675642	0.769213	-6.40928
C2orf65	-0.02517	-0.00045	-0.42464	0.675662	0.769213	-6.4093
G3BP1	0.109524	0.162241	0.42432	0.675893	0.769431	-6.40943
SPIN2B	-0.13912	0.355003	-0.42414	0.676021	0.76951	-6.40951
KIAA1967	0.078773	0.135373	0.424113	0.676041	0.76951	-6.40952
GEMIN8	0.112324	0.097499	0.423941	0.676164	0.769583	-6.4096
C12orf62	0.102938	-0.20921	0.423836	0.676239	0.769602	-6.40964
LOC100129	-0.13587	0.286295	-0.42364	0.676378	0.769715	-6.40973
DRG2	-0.06052	0.23734	-0.42345	0.676515	0.769826	-6.40981
ZNF331	-0.12539	0.235617	-0.42333	0.676604	0.769883	-6.40986
FBXL8	-0.07034	0.164541	-0.42285	0.676948	0.770229	-6.41007
NPAS4	-0.03553	-0.02308	-0.20032	0.843627	0.899642	-6.41007
WDR43	0.139873	0.089971	0.368253	0.717012	0.803083	-6.4101
PAPPA2	0.096354	0.037889	0.280516	0.782135	0.853844	-6.41016
PITPNA	0.127287	0.206193	0.422499	0.677199	0.770411	-6.41022

THOC6	0.089012	0.075807	0.422472	0.677218	0.770411	-6.41023
C1orf109	0.095378	0.005872	0.422268	0.677365	0.770411	-6.41032
SST	-0.0823	-0.18888	-0.42224	0.677383	0.770411	-6.41033
HECTD2	-0.12072	0.029657	-0.42214	0.677459	0.770453	-6.41037
FGF22	-0.11876	0.183574	-0.42195	0.677593	0.77056	-6.41045
CCDC135	-0.20681	0.528329	-0.42114	0.678173	0.771175	-6.4108
SLC2A13	0.070548	-0.10321	0.421064	0.678229	0.771181	-6.41083
STARD8	0.098801	0.206545	0.421026	0.678257	0.771181	-6.41085
TNFRSF13E	-0.10767	0.371886	-0.27805	0.784	0.855138	-6.41086
PAQR5	-0.09451	-0.17089	-0.3658	0.718813	0.804502	-6.41103
MGST2	0.106924	-0.25091	0.420593	0.678567	0.771489	-6.41104
GPR174	0.055036	-0.49326	0.194335	0.848235	0.902836	-6.41128
SAFB	0.070877	0.092174	0.419639	0.679253	0.772224	-6.41144
CCDC42B	0.057343	0.0439	0.419402	0.679423	0.772373	-6.41155
VMP1	-0.15995	0.000107	-0.41906	0.679668	0.772561	-6.41169
PRRC2B	-0.10096	0.498641	-0.4189	0.679785	0.77265	-6.41176
HSD17B7	0.157222	-0.16287	0.41861	0.679992	0.772795	-6.41188
IGJ	0.197566	0.344148	0.418278	0.680231	0.773022	-6.41202
CDNF	0.123633	0.112304	0.418139	0.680331	0.773091	-6.41208
SCRG1	0.149721	-0.08473	0.418007	0.680426	0.773112	-6.41214
SLC26A7	0.04158	0.024948	0.418003	0.680429	0.773112	-6.41214
WISP1	0.1022	-0.19149	0.417901	0.680502	0.773151	-6.41218
LINC00052	-0.16125	-0.02919	-0.41767	0.680669	0.773282	-6.41228
HRH3	0.062177	-0.095	0.417631	0.680696	0.773282	-6.4123
RPA3	-0.12862	-0.07731	-0.41751	0.680784	0.773337	-6.41235
PDE6C	-0.07528	-0.31832	-0.27253	0.788178	0.858309	-6.41242
SYTL4	0.175851	0.235393	0.417314	0.680924	0.773415	-6.41243
LY6D	-0.06484	-0.18849	-0.4173	0.680932	0.773415	-6.41244
IRGC	-0.14257	-0.38939	-0.41717	0.681026	0.773477	-6.41249
PLAC2	0.0687	0.019586	0.417101	0.681078	0.773487	-6.41253
C18orf49	-0.16678	0.528092	-0.41705	0.681114	0.773487	-6.41255
MICA	-0.22956	0.550071	-0.39222	0.699289	0.788346	-6.41261
TACR3	0.076103	-0.14546	0.361532	0.721942	0.806944	-6.41262
METTL10	-0.07147	-0.10769	-0.23648	0.815751	0.878882	-6.41264
NFATC1	-0.07972	0.33949	-0.41668	0.681379	0.773685	-6.4127
CALN1	-0.12169	0.135561	-0.41643	0.681558	0.773812	-6.41281
TTY6	-0.13096	-0.04477	-0.39165	0.699703	0.788518	-6.41284
MSLN	0.075291	0.026193	0.416328	0.681634	0.773853	-6.41285
DOK4	-0.17197	1.020563	-0.41597	0.681892	0.774102	-6.41301
CCNG1	-0.11697	-0.38773	-0.41589	0.68195	0.774122	-6.41304
CREBL2	0.068776	-0.05406	0.270082	0.79003	0.859514	-6.4131
LOC100287	-0.01683	-0.01028	-0.23414	0.817537	0.8803	-6.4132
ADCYAP1	-0.09415	-0.05159	-0.41533	0.682355	0.774537	-6.41328
FUT8	-0.11524	0.202332	-0.41512	0.682502	0.77466	-6.41336
C17orf46	0.069141	-0.00332	0.414629	0.682857	0.775017	-6.41357
PALLD	-0.14564	-0.21202	-0.41449	0.682958	0.775087	-6.41363
TAS2R42	0.083497	-0.08471	0.414218	0.683153	0.775218	-6.41374

PCNT	0.11287	0.007635	0.414128	0.683217	0.775247	-6.41378
GARNL3	0.099683	0.030035	0.414036	0.683284	0.775278	-6.41382
WDR55	-0.06537	0.198339	-0.41388	0.683399	0.775297	-6.41389
POLR3K	-0.06882	-0.04038	-0.41385	0.68342	0.775297	-6.4139
TRMU	-0.0681	0.157426	-0.41357	0.683618	0.775476	-6.41402
CDKL4	0.028698	-0.02197	0.388644	0.701891	0.790303	-6.41404
DOK7	-0.2565	0.518994	-0.41329	0.68382	0.775661	-6.41414
NDST4	-0.04493	0.022417	-0.23005	0.820665	0.882359	-6.41418
XIRP2	-0.17319	0.025002	-0.41248	0.684403	0.776187	-6.41447
DEFB125	-0.17546	0.189852	-0.41242	0.68445	0.776196	-6.4145
RRAS2	-0.13009	-0.08253	-0.41233	0.684516	0.776225	-6.41454
PTGS1	0.157199	0.203389	0.411741	0.684938	0.776612	-6.41479
MPDZ	0.138359	-0.09054	0.411717	0.684955	0.776612	-6.4148
C1orf61	0.051186	-0.48273	0.166904	0.869695	0.918443	-6.4148
SETBP1	-0.08909	0.119457	-0.41169	0.684976	0.776612	-6.41481
OR8D1	-0.06693	-0.09867	-0.41156	0.685067	0.776671	-6.41486
NECAB2	0.214043	0.314873	0.411155	0.68536	0.776913	-6.41503
NOL6	-0.0961	0.374786	-0.41103	0.685453	0.776943	-6.41509
GIP	0.0759	-0.20828	0.411009	0.685466	0.776943	-6.41509
SLC35G3	-0.01848	-0.01167	-0.26229	0.795943	0.863646	-6.41522
SGPP1	-0.11424	-0.26429	-0.41049	0.685839	0.777263	-6.41531
AFM	0.059929	-0.04231	0.410453	0.685867	0.777263	-6.41533
LOC100506	-0.06087	0.068996	-0.22432	0.825057	0.885769	-6.41552
CECR1	-0.12117	0.687104	-0.40989	0.686276	0.777659	-6.41556
UBE2Z	-0.17334	0.588268	-0.40986	0.686296	0.777659	-6.41557
THAP10	0.093272	-0.02237	0.409746	0.686377	0.777675	-6.41562
LOC55064	0.105422	-0.03472	0.409692	0.686416	0.777675	-6.41564
ZFP106	0.131585	-0.47195	0.409229	0.68675	0.777949	-6.41584
TBL1X	-0.11991	0.421495	-0.40849	0.687284	0.778509	-6.41614
GSTA1	0.107738	-0.23891	0.408296	0.687424	0.778577	-6.41622
KLHDC8B	0.089367	0.480461	0.407995	0.687641	0.778778	-6.41635
MRPS21	0.096492	-0.21685	0.40791	0.687702	0.778799	-6.41639
PABPC1L2	0.080505	-0.16776	0.40786	0.687739	0.778799	-6.41641
C8orf12	-0.0817	-0.03551	-0.35113	0.729595	0.813363	-6.41641
FNDC8	0.05772	-0.2234	0.407751	0.687818	0.778843	-6.41645
NDUFA4L2	0.073688	-0.0066	0.382394	0.706443	0.794105	-6.4165
CRYBB2P1	-0.16059	-0.03716	-0.40763	0.687905	0.778897	-6.4165
TSSK6	-0.09915	0.279973	-0.40739	0.688081	0.779051	-6.4166
CHRNA9	0.111934	0.091835	0.407069	0.68831	0.779257	-6.41673
PROSER1	-0.12957	0.074543	-0.40702	0.688342	0.779257	-6.41675
CHN2	-0.02797	-0.00569	-0.40668	0.688591	0.779448	-6.4169
FITM1	-0.06714	0.305514	-0.40656	0.688679	0.779458	-6.41695
EID3	-0.1451	0.172888	-0.38123	0.707291	0.79474	-6.41695
KRTAP4-4	-0.10378	-0.3259	-0.38123	0.707291	0.79474	-6.41695
B3GNT1	-0.10807	0.002201	-0.38111	0.707376	0.794789	-6.417
SHMT2	-0.08878	0.303192	-0.40594	0.689124	0.779917	-6.4172
MAP4K3	-0.07494	-0.13674	-0.21637	0.831152	0.890217	-6.41731

CBL	0.208083	0.366997	0.405626	0.689353	0.780131	-6.41733
LOC100506	0.11901	0.1684	0.348557	0.731496	0.815066	-6.41733
GLI3	0.010493	-0.1943	0.039193	0.969226	0.988672	-6.41738
TRIM62	-0.08062	0.039406	-0.40544	0.689484	0.780151	-6.41741
WNT4	-0.14111	0.059547	-0.40544	0.689491	0.780151	-6.41741
MYO1B	0.24266	0.087735	0.404962	0.689833	0.780437	-6.41761
LPPR2	-0.11684	0.431034	-0.40492	0.689862	0.780437	-6.41762
MCM3AP	0.05141	-0.00213	0.404781	0.689964	0.780455	-6.41768
SNHG8	0.173879	-0.55946	0.404769	0.689973	0.780455	-6.41769
GLRA3	0.037855	0.022713	0.404735	0.689998	0.780455	-6.4177
CEACAM6	0.311676	0.064885	0.378957	0.708952	0.796148	-6.41783
NAB2	0.103316	0.172903	0.403982	0.690542	0.780098	-6.41801
ZNF709	0.003078	-0.20132	0.016042	0.987401	1	-6.41804
FARP2	-0.13132	0.41707	-0.40379	0.690682	0.781048	-6.41809
LOC100134	0.090957	-0.15461	0.251283	0.804312	0.870221	-6.41811
PCDHGA12	-0.05723	-0.02388	-0.40357	0.690842	0.781177	-6.41818
IVD	-0.08724	0.313267	-0.40349	0.690897	0.781177	-6.41821
C18orf45	-0.06793	0.027172	-0.40347	0.690916	0.781177	-6.41822
SLC27A3	0.103964	0.088704	0.403116	0.691169	0.781418	-6.41837
MTHFR	-0.13692	0.56528	-0.40303	0.691228	0.781432	-6.4184
MYO1C	-0.12901	0.675487	-0.40299	0.69126	0.781432	-6.41842
CCDC117	0.119106	0.205297	0.402439	0.691659	0.781747	-6.41864
MCEE	-0.10204	-0.27399	-0.40209	0.691914	0.781946	-6.41879
CYB5A	-0.08843	0.168342	-0.40155	0.692303	0.782294	-6.41901
MRPL17	0.106614	-0.0879	0.401411	0.692403	0.782363	-6.41906
SLC26A3	-0.12378	-0.30896	-0.37565	0.711367	0.798333	-6.41911
PHOSPHO2	0.036897	0.022138	0.400904	0.69277	0.782732	-6.41927
IFNW1	0.104161	-0.02832	0.4008	0.692846	0.782772	-6.41931
OFCC1	0.065239	0.064053	0.246067	0.808288	0.873268	-6.41944
NAA50	-0.08438	-0.32037	-0.40044	0.69311	0.783026	-6.41946
NAALAD2	0.036629	0.021977	0.399799	0.693571	0.783501	-6.41972
PPEF1	-0.09151	0.137465	-0.37372	0.71278	0.799623	-6.41985
SLC24A1	0.105984	-0.11349	0.373341	0.713057	0.799888	-6.41999
RPS23	0.160975	0.205061	0.399066	0.694102	0.784056	-6.42002
Sep-08	0.061174	-0.23815	0.399005	0.694147	0.784061	-6.42005
SMCR7	-0.08236	0.099043	-0.39881	0.694288	0.784176	-6.42012
LOC100165	-0.06676	0.105962	-0.24323	0.810449	0.874831	-6.42015
CPA5	-0.1984	0.472668	-0.39843	0.694567	0.784445	-6.42028
COG2	-0.08372	0.095581	-0.3982	0.694733	0.784543	-6.42037
LATS1	0.066085	-0.06319	0.371936	0.714086	0.800721	-6.42053
TFDP3	-0.10605	0.177584	-0.2416	0.811695	0.875851	-6.42055
PIGL	0.094137	-0.03099	0.397729	0.695072	0.784838	-6.42056
CHRM3	0.057337	-0.03731	0.397725	0.695074	0.784838	-6.42056
GLI2	0.169507	-0.22912	0.397273	0.695402	0.785074	-6.42075
CALB1	0.090815	-0.32864	0.397271	0.695404	0.785074	-6.42075
JPH1	-0.07159	-0.0498	-0.39712	0.695512	0.78515	-6.42081
SCGB2A2	0.059464	0.007179	0.199104	0.84443	0.900307	-6.421

PIGQ	0.073795	0.075131	0.396557	0.695922	0.785523	-6.42104
NXT1	0.1121	-0.19569	0.39647	0.695985	0.785549	-6.42107
ZNF70	-0.0593	0.079251	-0.23929	0.81346	0.877163	-6.42112
SYNJ2BP	0.093613	0.041714	0.396313	0.696099	0.785633	-6.42114
KLK10	0.07274	-0.15299	0.238864	0.813786	0.87737	-6.42123
ARID3B	0.062697	0.132951	0.395787	0.69648	0.786018	-6.42135
FAM83F	0.084948	-0.19724	0.395689	0.696552	0.786053	-6.42139
WASL	-0.11001	0.069844	-0.36946	0.7159	0.802239	-6.42146
ABR	-0.06589	0.185255	-0.39546	0.696721	0.786198	-6.42148
PDZD2	0.0798	-0.04964	0.395299	0.696835	0.786282	-6.42154
C12orf48	0.050992	-0.07146	0.395238	0.69688	0.786287	-6.42157
BMP2K	-0.08715	0.430334	-0.39511	0.696969	0.786342	-6.42162
AICDA	0.180705	0.087708	0.368598	0.716531	0.802774	-6.42179
EFNA5	0.062537	-0.34968	0.236194	0.815828	0.878894	-6.42188
DAPK2	-0.12728	0.333211	-0.39431	0.697555	0.786958	-6.42194
ZNF571	0.049621	-0.25378	0.130603	0.897635	0.938942	-6.42196
IL17RC	0.101192	0.16106	0.394109	0.697699	0.787076	-6.42202
C19orf75	-0.10729	0.096195	-0.36696	0.717735	0.803713	-6.42241
HSD3B7	-0.10823	0.174075	-0.39304	0.698479	0.78791	-6.42245
LOC100130	-0.10074	-0.43233	-0.29034	0.775094	0.849063	-6.42253
KCTD8	-0.05348	-0.01177	-0.39271	0.698718	0.788134	-6.42259
S100A1	-0.11458	0.292859	-0.39251	0.698859	0.78822	-6.42266
PTPN6	-0.07914	0.061224	-0.39244	0.698913	0.78822	-6.42269
PPYR1	0.065359	-0.25599	0.392437	0.698914	0.78822	-6.42269
TBC1D4	0.097316	-0.09857	0.190198	0.851298	0.904869	-6.42278
RPL37	-0.1435	0.514383	-0.39212	0.699142	0.788346	-6.42282
LOC100121	0.055178	0.044743	0.365665	0.718683	0.804449	-6.42289
MYF5	-0.12899	-0.20164	-0.39191	0.699296	0.788346	-6.4229
ZBTB16	0.152449	0.150071	0.391905	0.699301	0.788346	-6.42291
ARL4A	0.118058	0.096337	0.391896	0.699308	0.788346	-6.42291
UG0898H0	-0.10178	-0.00919	-0.39181	0.69937	0.788371	-6.42294
ABTB2	-0.14625	0.135323	-0.39168	0.699463	0.788385	-6.423
SRD5A2	-0.0418	-0.18119	-0.12211	0.904257	0.944105	-6.42306
FAM104B	0.101954	0.348285	0.391485	0.699606	0.788501	-6.42307
LETM2	-0.09108	0.544676	-0.39137	0.69969	0.788518	-6.42312
HOXB2	-0.12729	0.391839	-0.39099	0.69997	0.788774	-6.42327
ITM2A	0.190665	-0.27027	0.390664	0.700204	0.788947	-6.4234
LOC100122	-0.01276	-0.0078	-0.18664	0.85405	0.90676	-6.42347
SLC22A25	-0.07869	0.082103	-0.39048	0.700337	0.789052	-6.42347
ATXN2L	-0.06418	0.299565	-0.39003	0.700668	0.789334	-6.42365
C20orf27	-0.10479	0.297901	-0.38979	0.70084	0.789472	-6.42375
PBRM1	-0.10476	0.107797	-0.38973	0.700881	0.789472	-6.42377
HLA-F-AS1	-0.09282	0.315042	-0.38969	0.700911	0.789472	-6.42379
TARBP2	0.079572	0.145647	0.38954	0.701022	0.789551	-6.42385
CETN3	0.07937	-0.0455	0.388809	0.701554	0.790105	-6.42414
PIP4K2B	0.076336	0.115876	0.388604	0.701703	0.790223	-6.42422
BTBD19	-0.08017	0.021085	-0.3885	0.701779	0.790223	-6.42426

MS4A5	-0.09919	-0.09492	-0.3885	0.70178	0.790223	-6.42426
LOC100128	-0.03912	-0.00697	-0.38822	0.701985	0.790363	-6.42437
RBL1	-0.0645	-0.02258	-0.38802	0.702129	0.790471	-6.42445
SLC9B1	-0.16769	-0.08556	-0.38797	0.702161	0.790471	-6.42447
RASL10B	-0.10608	0.028707	-0.38776	0.702317	0.790574	-6.42455
CCDC151	0.183983	0.315733	0.387737	0.702334	0.790574	-6.42456
EPB41L5	-0.0931	0.224335	-0.38734	0.70262	0.790851	-6.42472
UBAP2	0.106888	0.132081	0.386827	0.702997	0.79123	-6.42492
TNFSF11	-0.05775	-0.0956	-0.28208	0.781318	0.8534	-6.42496
FAM107A	-0.12103	-0.08508	-0.38671	0.703085	0.791283	-6.42497
FAT4	-0.04093	0.056863	-0.22303	0.825909	0.886295	-6.42497
YWHAQ	0.0829	-0.23524	0.386559	0.703192	0.791359	-6.42503
ANKRD36	-0.13808	0.029455	-0.38646	0.703264	0.791394	-6.42507
ZNF233	-0.05628	0.038411	-0.17812	0.860634	0.911824	-6.42507
ZBTB49	0.033399	0.020039	0.385218	0.70417	0.792323	-6.42555
SORCS1	-0.0847	-0.16751	-0.38508	0.704267	0.792386	-6.42561
NR0B2	0.093701	-0.01688	0.384823	0.704457	0.79251	-6.42571
BARD1	-0.07268	-0.32509	-0.38476	0.704506	0.792519	-6.42574
CD36	-0.16296	-0.25637	-0.3845	0.704694	0.792684	-6.42584
FMN1	-0.10985	0.228318	-0.35762	0.724598	0.80922	-6.42586
C14orf34	-0.03312	-0.01987	-0.38386	0.705157	0.79316	-6.42608
DPP8	-0.05688	-0.23331	-0.3837	0.705277	0.793249	-6.42615
LOC10028	0.094421	0.147511	0.383407	0.70549	0.793444	-6.42626
LOC25739	-0.11166	0.103892	-0.38319	0.70565	0.793578	-6.42635
OTUD6B	-0.14989	0.458368	-0.38293	0.705837	0.793743	-6.42645
PEMT	-0.08346	0.303324	-0.38282	0.705921	0.793792	-6.42649
CALD1	-0.19705	0.521538	-0.38272	0.705994	0.793828	-6.42653
SERPINA5	-0.03571	0.101797	-0.16968	0.867167	0.916466	-6.42657
ASH1L	0.090487	-0.19261	0.382322	0.706282	0.794105	-6.42669
TEX28	0.060281	0.053708	0.215392	0.831773	0.890691	-6.42669
SEMA4G	0.073107	-0.08815	0.382252	0.706333	0.794105	-6.42671
LOC10050	-0.14277	0.162905	-0.38217	0.706392	0.794105	-6.42675
PNPLA4	0.120976	-0.03419	0.382119	0.70643	0.794105	-6.42677
VCX3A	0.23046	0.217059	0.381898	0.706591	0.794226	-6.42685
PPM1K	0.101016	0.204905	0.381134	0.70715	0.794672	-6.42715
FRMPD1	-0.16382	0.076238	-0.35375	0.727445	0.811614	-6.42727
CREG2	0.037286	-0.02206	0.212739	0.833812	0.892284	-6.42727
POTEG	0.025613	-0.78447	0.061456	0.951815	0.976756	-6.42731
KIAA1598	0.030395	-0.33138	0.081101	0.936317	0.966444	-6.42736
DDX11L2	0.156988	0.405198	0.380354	0.707719	0.795129	-6.42745
NCAM2	-0.06924	-0.05837	-0.38014	0.707873	0.795256	-6.42753
SLC27A2	-0.15518	0.21422	-0.37965	0.708237	0.795573	-6.42773
GNB5	-0.08009	0.247441	-0.16288	0.872437	0.920596	-6.42774
KRT33B	0.015354	-0.12659	0.076364	0.940028	0.96884	-6.42775
TIMM13	0.095279	0.103302	0.379549	0.708307	0.795607	-6.42776
LOC20026	0.089786	-0.10686	0.379271	0.708511	0.79579	-6.42787
ATAD3B	0.076622	0.40922	0.37902	0.708694	0.795951	-6.42797

SP7	-0.03854	-0.25822	-0.16086	0.874011	0.92176	-6.42807
ZNF595	-0.0187	-0.16609	-0.07026	0.944816	0.972136	-6.42821
LOC100507	-0.12835	0.09503	-0.37807	0.70939	0.796549	-6.42834
MINPP1	-0.07217	-0.00011	-0.20721	0.838067	0.895218	-6.42846
CD7	0.122136	0.302045	0.377521	0.70979	0.796953	-6.42855
RPA2	0.065764	-0.12042	0.377443	0.709847	0.796971	-6.42858
YWHAB	-0.0522	0.004813	-0.3772	0.710027	0.797128	-6.42867
NUCKS1	0.117914	0.02939	0.376949	0.710208	0.797285	-6.42877
CELSR2	0.121358	0.307558	0.376866	0.710269	0.797308	-6.4288
MOCS1	-0.08305	0.13784	-0.20535	0.839501	0.896364	-6.42885
LOC144486	-0.06815	0.043335	-0.37664	0.710431	0.797444	-6.42888
OAS2	-0.25165	0.893792	-0.37546	0.711299	0.798333	-6.42934
C16orf79	0.067391	0.057358	0.375397	0.711344	0.798333	-6.42936
NELL1	0.14919	0.251555	0.37534	0.711386	0.798333	-6.42938
LOC84856	0.099941	-0.06758	0.347691	0.731922	0.815448	-6.42944
PIK3R2	0.118816	0.317937	0.374775	0.711799	0.798751	-6.4296
TMEM35	-0.0951	-0.16459	-0.37465	0.711888	0.798801	-6.42965
DUOX2	-0.07285	-0.01271	-0.3746	0.711925	0.798801	-6.42967
CAPS2	-0.00998	-0.0061	-0.15015	0.882329	0.928035	-6.42979
AKR1C4	0.071008	0.110698	0.346645	0.732695	0.816169	-6.42981
KCND2	0.09636	-0.03656	0.37393	0.712417	0.799307	-6.42992
C17orf67	0.020845	-0.00439	0.346258	0.732981	0.816349	-6.42995
TSKU	0.061498	-0.15371	0.373671	0.712607	0.799475	-6.43002
CCDC99	-0.07507	-0.02156	-0.37285	0.713207	0.800011	-6.43033
NCKAP1	0.056968	0.01606	0.198045	0.845128	0.900841	-6.43036
MDGA1	-0.09425	0.122698	-0.37275	0.713282	0.800022	-6.43037
YEATS2	-0.06762	0.093243	-0.37273	0.713299	0.800022	-6.43038
PIGA	-0.08754	-0.39882	-0.37252	0.713449	0.800145	-6.43046
VAMP8	0.097055	0.10079	0.372254	0.713646	0.800319	-6.43056
C16orf82	-0.00484	-0.5477	-0.01822	0.985678	0.999812	-6.43059
FAM19A2	-0.00607	-0.31968	-0.01554	0.987785	1	-6.43063
ZNF764	0.071827	-0.04046	0.372004	0.713829	0.800479	-6.43066
POLR2M	-9.74E-05	-0.24312	-0.00021	0.999832	1	-6.43076
PGBD1	0	0	0	1	1	-6.43076
LRRC10B	0	0	0	1	1	-6.43076
OR2J2	0.091183	-0.08104	0.37147	0.71422	0.800826	-6.43086
QKI	0.092124	-0.06145	0.37118	0.714432	0.800985	-6.43097
TTC28-AS1	0.089424	0.018068	0.371165	0.714444	0.800985	-6.43097
CYP4F2	-0.14117	0.221973	-0.37081	0.714701	0.801228	-6.43111
MDM2	-0.10355	0.131578	-0.37046	0.714958	0.801423	-6.43124
TUSC2	-0.05683	-0.07285	-0.3704	0.715003	0.801428	-6.43126
WDR47	0.03056	0.018336	0.370233	0.715127	0.801521	-6.43133
TCHH	0.062528	-0.14074	0.369972	0.715319	0.80169	-6.43142
DCLRE1B	0.081429	-0.01952	0.3693	0.715811	0.802197	-6.43168
KLK12	-0.06555	-0.44224	-0.19146	0.850213	0.904057	-6.43168
QSER1	0.078443	0.023116	0.369137	0.715931	0.802239	-6.43174
GTSF1	0.101216	0.391025	0.341017	0.736859	0.81969	-6.43179

NEFM	-0.04299	-0.13934	-0.36862	0.716311	0.802619	-6.43193
FAM71B	-0.05452	-0.17068	-0.19005	0.851299	0.904869	-6.43195
ABCG1	-0.10565	0.325521	-0.36845	0.716432	0.802708	-6.432
KIAA1211	-0.07734	0.324969	-0.36805	0.716732	0.80295	-6.43215
RBAK-LOC3	0.075126	-0.07832	0.36796	0.716795	0.80295	-6.43218
AMBP	-0.0651	-0.08561	-0.36794	0.716811	0.80295	-6.43219
MOXD1	0.112381	0.049353	0.367083	0.717438	0.803514	-6.43251
GNG2	-0.10041	0.093771	-0.36674	0.717688	0.803713	-6.43264
KIAA1244	-0.02131	0.004263	-0.36662	0.717777	0.803713	-6.43268
ZNF568	-0.15363	0.047306	-0.36656	0.717821	0.803713	-6.43271
WDR65	0.029806	0.017884	0.365866	0.718332	0.804201	-6.43297
AAGAB	0.039932	-0.194	0.365857	0.718339	0.804201	-6.43297
FAM69A	-0.04223	0.242232	-0.1278	0.899733	0.940584	-6.43298
LACTB2	-0.14487	0.115594	-0.36528	0.718759	0.804488	-6.43318
SOSTDC1	0.099319	-0.02339	0.336822	0.739969	0.822076	-6.43325
CHIA	0.093474	-0.07179	0.36493	0.71902	0.804688	-6.43331
GPRASP1	0.078833	0.17038	0.182854	0.856863	0.908828	-6.43333
SIRPG	-0.18083	0.531053	-0.36469	0.719198	0.804749	-6.4334
ZNF606	0.030923	-0.09859	0.181886	0.857612	0.909395	-6.43351
SYP	-0.09258	0.065896	-0.3644	0.719412	0.804916	-6.43351
RRP1	-0.11594	0.47009	-0.36434	0.719454	0.804916	-6.43353
PUM1	-0.0823	0.390723	-0.36432	0.71947	0.804916	-6.43354
OPALIN	0.071935	-0.31524	0.181653	0.857793	0.909452	-6.43355
PAK3	-0.07907	-0.24781	-0.36406	0.719656	0.805078	-6.43364
CXCR5	0.135775	0.5338	0.363993	0.719709	0.805091	-6.43366
C12orf47	0.104419	-0.03822	0.36389	0.719784	0.805126	-6.4337
LOC15381	0.141503	0.036741	0.363839	0.719822	0.805126	-6.43372
SH2D3A	0.084479	0.086476	0.363762	0.719879	0.805143	-6.43375
CDKL1	0.094031	-0.16521	0.363517	0.720058	0.805298	-6.43384
FUT10	0.137089	-0.35983	0.363143	0.720333	0.805552	-6.43398
PDE6B	-0.12657	0.198767	-0.3631	0.720367	0.805552	-6.43399
TPSD1	-0.08697	-0.03314	-0.363	0.720442	0.80559	-6.43403
TUB	0.027142	-0.27885	0.119201	0.906446	0.945584	-6.43407
INHBA	-0.02109	0.004217	-0.36289	0.720523	0.805634	-6.43407
IGKV1D-8	-0.11642	-0.06976	-0.36283	0.720567	0.805637	-6.4341
MKKS	-0.09235	-0.21888	-0.36234	0.720921	0.805957	-6.43427
PRPF19	0.068382	0.040633	0.362325	0.720935	0.805957	-6.43428
SLC25A21	-0.04127	-0.12904	-0.17763	0.860907	0.912014	-6.4343
KLHL35	0.169882	0.392367	0.361999	0.721175	0.806179	-6.4344
THAP9	-0.11628	-0.62698	-0.2962	0.77049	0.84577	-6.43464
SLAMF1	0.09242	-0.04169	0.360977	0.721927	0.806944	-6.43478
APITD1	-0.03866	0.105548	-0.11262	0.91159	0.949232	-6.43486
ASB14	-0.06222	0.112529	-0.17415	0.863607	0.913886	-6.43492
CCDC28B	0.095802	0.148524	0.360573	0.722224	0.807214	-6.43493
WDR49	0.094039	-0.00597	0.360398	0.722353	0.807287	-6.43499
LOC341056	0.146281	0.292136	0.360372	0.722372	0.807287	-6.435
UTP15	0.024924	-0.14794	0.110355	0.913358	0.950461	-6.43512

HOXB8	0.100654	-0.16385	0.331341	0.744039	0.825427	-6.43512
URM1	0.050847	0.217273	0.359994	0.722651	0.807552	-6.43514
MOGS	-0.05856	0.439384	-0.35942	0.723073	0.807907	-6.43535
PPARD	-0.05803	0.130861	-0.35939	0.723092	0.807907	-6.43536
TMEM222	-0.05672	0.119272	-0.35905	0.723346	0.808099	-6.43549
NT5E	-0.11115	0.035846	-0.35899	0.723388	0.808099	-6.43551
CDC14C	0.067649	0.068504	0.358895	0.72346	0.808134	-6.43554
TNFAIP8	0.090555	-0.64455	0.3583	0.723899	0.808567	-6.43576
CD9	0.124086	0.210311	0.358256	0.723931	0.808567	-6.43578
BEND6	0.148891	0.186562	0.358133	0.724022	0.808623	-6.43582
SUMO1P3	0.148413	0.440392	0.357151	0.724745	0.809338	-6.43618
C9orf117	0.025015	-0.20652	0.099843	0.921581	0.955826	-6.43625
MED14	-0.06442	0.035695	-0.35689	0.724934	0.809504	-6.43627
RASSF10	0.064109	-0.02188	0.35672	0.725062	0.809567	-6.43634
KCNA2	-0.08629	-0.02428	-0.35667	0.725098	0.809567	-6.43635
GNL1	0.063711	0.153903	0.356649	0.725115	0.809567	-6.43636
LOC100506	0.032902	-0.21588	0.098529	0.922609	0.956538	-6.43639
BTLA	-0.11813	-0.02356	-0.35637	0.725317	0.809747	-6.43646
MAMSTR	0.046699	-0.1054	0.356137	0.725493	0.809896	-6.43655
KLF5	-0.1353	0.428915	-0.35607	0.725539	0.809902	-6.43657
UPRT	-0.10696	0.194393	-0.35569	0.725821	0.810126	-6.43671
CCBL1	-0.05912	0.202102	-0.35569	0.725822	0.810126	-6.43671
CUX2	-0.14288	0.349224	-0.32584	0.748135	0.828893	-6.43697
FLJ21408	0.057995	-0.07086	0.354852	0.72644	0.81077	-6.43701
NRXN3	0.025781	-0.26361	0.091216	0.928336	0.960886	-6.4371
ZNF358	0.094757	0.582902	0.354092	0.727	0.811323	-6.43729
HPX	0.051389	0.008953	0.354026	0.727049	0.811323	-6.43731
CYTH1	0.059865	0.105683	0.353985	0.72708	0.811323	-6.43733
CAPS	-0.09892	0.432177	-0.35396	0.727102	0.811323	-6.43734
RFX6	-0.08834	0.138436	-0.32453	0.749111	0.829471	-6.43741
FHDC1	0.149986	0.21875	0.353595	0.727367	0.811573	-6.43747
AMZ2	-0.09311	-0.19914	-0.35313	0.727708	0.811815	-6.43764
VTN	0.066476	-0.15248	0.352933	0.727856	0.811933	-6.43771
LOC100507	0.008723	-0.00303	0.084302	0.933754	0.964927	-6.43773
ADAMTS15	-0.05687	0.20882	-0.35279	0.727962	0.812006	-6.43776
OR1E1	0.055976	-0.12271	0.352706	0.728024	0.812025	-6.43779
PIGX	-0.1452	0.054083	-0.35191	0.728611	0.812591	-6.43808
CXCL6	0.120543	-0.30914	0.322499	0.750621	0.830586	-6.43808
RIC3	0.08304	0.144938	0.351714	0.728756	0.812706	-6.43815
LOC400756	-0.05708	-0.1303	-0.35161	0.728834	0.812746	-6.43818
NMU	-0.07842	-0.09303	-0.35154	0.728882	0.812753	-6.43821
ZDHHC23	-0.10725	0.044175	-0.35147	0.728938	0.812771	-6.43823
SETD1A	-0.09033	0.677561	-0.35063	0.729559	0.813363	-6.43854
SEPT7L	0.054072	-0.43243	0.14498	0.886553	0.931128	-6.43859
SPRY2	0.072977	0.152296	0.320254	0.752296	0.831772	-6.43882
STK11	-0.07637	0.425186	-0.34975	0.730204	0.813981	-6.43885
LINC00158	0.05243	-0.36659	0.150565	0.881917	0.927715	-6.43885

IL16	0.0522	-0.02088	0.349716	0.730232	0.813981	-6.43886
SLIT2-IT1	-0.04454	0.017702	-0.31988	0.752575	0.831976	-6.43894
DCHS2	-0.12809	0.025238	-0.3494	0.730466	0.814149	-6.43897
DUS3L	0.075703	0.128673	0.348939	0.730806	0.814482	-6.43914
SAMD5	0.055054	-0.00103	0.348723	0.730966	0.814615	-6.43922
WT1	-0.05896	-0.09268	-0.28065	0.782204	0.853844	-6.43925
ABCB7	-0.06208	0.003413	-0.34847	0.731152	0.814775	-6.4393
LOC100130	0.085387	0.212712	0.1468	0.884847	0.929958	-6.43943
HLA-DQA2	0.07053	-0.00385	0.348124	0.731409	0.815015	-6.43943
BEX1	0.174773	0.161421	0.34751	0.731863	0.815428	-6.43965
LOC100128	0.079068	0.047441	0.346505	0.732607	0.816118	-6.44
LOC100507	-0.06704	-0.03841	-0.31635	0.75521	0.834419	-6.44009
PTPRT	0.061725	-0.0593	0.346177	0.732849	0.816295	-6.44012
HOTTIP	-0.01372	-0.42618	-0.04937	0.961173	0.98297	-6.44013
LOC100129	-0.10107	0.172427	-0.34608	0.732918	0.816325	-6.44015
CXorf27	0.036137	-0.11496	0.141142	0.889254	0.933291	-6.44026
DKFZP564C	-0.13545	0.235098	-0.34536	0.733457	0.816833	-6.44041
IGSF1	0.056986	-0.38643	0.139151	0.890806	0.934443	-6.44055
PIGP	0.108454	0.045987	0.344668	0.733966	0.817342	-6.44065
TUBGCP4	0.045907	-0.04917	0.138361	0.891421	0.934888	-6.44066
ATAD5	-0.1256	0.217682	-0.34463	0.733997	0.817342	-6.44067
C3orf37	-0.06659	0.264956	-0.3445	0.73409	0.817399	-6.44071
ISYNA1	0.065523	0.333742	0.344392	0.73417	0.817407	-6.44075
ITFG2	-0.08617	0.279544	-0.34438	0.734181	0.817407	-6.44075
PMP22	-0.25623	0.208473	-0.34406	0.734415	0.81762	-6.44086
GALNTL2	0.056476	-0.59698	0.274556	0.786807	0.857341	-6.44099
LOC100133	-0.01389	0.604497	-0.02732	0.978505	0.994974	-6.441
LSM7	0.082166	-0.16638	0.343435	0.73488	0.817999	-6.44108
RASEF	-0.17089	0.394274	-0.34321	0.735043	0.818122	-6.44116
MARCO	-0.1382	0.071992	-0.34317	0.735074	0.818122	-6.44118
VPS13C	0	0	0	1	1	-6.44138
SUPT3H	0	0	0	1	1	-6.44138
SLITRK1	0	0	0	1	1	-6.44138
FERMT1	0.032296	-0.49367	0.124024	0.902854	0.942979	-6.44151
HLA-DPB1	-0.38557	-0.39568	-0.3421	0.735867	0.818958	-6.44155
SPRYD4	-0.10974	-0.08187	-0.34201	0.735938	0.818991	-6.44158
LRRTM1	-0.04322	-0.1229	-0.31162	0.758749	0.837464	-6.44161
BLVRA	-0.08959	0.262955	-0.34192	0.736004	0.819018	-6.44161
TRAT1	-0.16003	-0.26546	-0.3115	0.758838	0.837464	-6.44165
PAK2	-0.13268	0.161072	-0.34111	0.7366	0.819564	-6.44189
MRPL9	0.073632	-0.04917	0.341085	0.736621	0.819564	-6.4419
GAS2	-0.11741	0.350336	-0.34109	0.736621	0.819564	-6.4419
OK/SW-CL	0.056024	-0.18143	0.310513	0.759576	0.837926	-6.44196
LOC100506	0.071785	-0.08573	0.271028	0.789476	0.859293	-6.44197
RNF125	-0.0734	0.081521	-0.34077	0.736854	0.81969	-6.44201
ZFYVE19	0.041126	0.096719	0.340767	0.736856	0.81969	-6.44202
EYA4	0.084319	-0.02284	0.34066	0.736936	0.819728	-6.44205

VEGFC	0.115297	0.322016	0.270741	0.789694	0.859387	-6.44205
BROX	-0.12562	0.410019	-0.3401	0.737353	0.8201	-6.44225
SH3YL1	-0.05484	0.02579	-0.33962	0.737706	0.820446	-6.44241
GPC1	-0.06599	-0.14829	-0.33947	0.73782	0.820526	-6.44247
ZNF773	-0.07693	0.156784	-0.33936	0.737903	0.820572	-6.44251
ENOSF1	-0.09928	0.162713	-0.33871	0.738385	0.821061	-6.44273
R3HCC1	-0.05267	0.071609	-0.33864	0.738434	0.821069	-6.44275
PALM2	-0.11126	0.059401	-0.33851	0.738528	0.821127	-6.4428
TMC8	0.073036	0.141198	0.338058	0.738866	0.821456	-6.44295
AZGP1	-0.03294	-0.17409	-0.12082	0.905114	0.944737	-6.44299
FUNDC2	-0.04526	-0.02905	-0.33772	0.739115	0.821599	-6.44307
MARS2	0.045257	0.019614	0.337716	0.73912	0.821599	-6.44307
OR1D2	-0.07235	-0.1902	-0.3375	0.739283	0.821733	-6.44315
LOC64378	-0.14284	-0.01741	-0.30666	0.762464	0.840332	-6.44318
ARF3	0.057942	0.512991	0.337349	0.739393	0.821762	-6.4432
CIB3	-0.07306	-0.17871	-0.33722	0.739486	0.821812	-6.44324
LOC10050	-0.08602	0.15674	-0.33717	0.739522	0.821812	-6.44326
SMG6	0.063334	0.157936	0.33709	0.739584	0.821835	-6.44329
VAT1	-0.08662	0.121059	-0.33691	0.73972	0.821939	-6.44335
LOC10050	-0.04347	-0.1298	-0.11768	0.907563	0.946296	-6.44338
FNDC5	-0.08183	-0.02025	-0.3368	0.739803	0.821962	-6.44339
FLJ35700	0.01949	-0.0039	0.336767	0.739825	0.821962	-6.4434
LRRC3C	-0.05636	-0.15149	-0.26582	0.79342	0.862092	-6.44341
APOL4	0.142958	-0.21178	0.26571	0.793505	0.862098	-6.44344
TERF2	0.049897	0.034423	0.336463	0.74005	0.822119	-6.4435
SIX6	0.043996	-0.12581	0.336282	0.740184	0.822222	-6.44357
MPZL2	0.081291	0.150525	0.336194	0.74025	0.822243	-6.4436
RPL9	0.213358	-1.0786	0.336143	0.740288	0.822243	-6.44361
KCNB2	-0.05392	-0.03038	-0.33602	0.740383	0.822302	-6.44366
TFE3	-0.05879	0.31232	-0.33575	0.740577	0.822471	-6.44375
GJD4	-0.06255	0.068413	-0.33556	0.740722	0.822586	-6.44381
IFI27L2	0.095541	-0.20624	0.335364	0.740866	0.8227	-6.44388
POLG	0.039229	0.123973	0.335096	0.741065	0.822874	-6.44397
PAPLN	0.106681	-0.21794	0.334903	0.741209	0.822944	-6.44404
CES1P1	0.022814	-0.02734	0.263503	0.795178	0.863294	-6.44404
MYL9	-0.19256	1.019264	-0.33489	0.741218	0.822944	-6.44404
ZMYND11	0.096109	-0.38843	0.334842	0.741254	0.822944	-6.44406
LOC10028	-0.06003	-0.12049	-0.33474	0.741332	0.822983	-6.4441
TXN2	0.054136	0.078906	0.334439	0.741554	0.823183	-6.4442
SPRED1	-0.0295	0.017373	-0.11009	0.913499	0.950461	-6.44426
EPHB4	-0.14531	0.776318	-0.33422	0.741718	0.823319	-6.44427
IGF2BP1	-0.03243	-0.07538	-0.10922	0.914182	0.950841	-6.44436
LOC64151	0.067245	0.328302	0.109202	0.914195	0.950841	-6.44436
LOC84931	-0.07916	0.144366	-0.3028	0.765352	0.842253	-6.44438
LOC10050	-0.04906	-0.40322	-0.10837	0.91485	0.951261	-6.44446
HAP1	0.052077	-0.16209	0.333427	0.742306	0.823924	-6.44454
INPP5E	0.080077	0.116405	0.333102	0.742548	0.824146	-6.44465

GRP	-0.04136	0.079904	-0.30182	0.766093	0.842642	-6.44469
NIPA1	-0.12979	0.502936	-0.33279	0.74278	0.824311	-6.44476
ZNF555	-0.06995	0.142067	-0.33261	0.742913	0.824412	-6.44482
GAFA2	-0.01992	-0.01635	-0.10311	0.918967	0.953973	-6.44503
CELF1	0.07961	0.285329	0.331981	0.743381	0.824884	-6.44503
GLIPR1	-0.13728	0.489496	-0.33158	0.743681	0.825124	-6.44517
C3P1	0.019133	-0.1112	0.101701	0.920067	0.954913	-6.44518
COX10	-0.06855	0.258013	-0.33146	0.743771	0.825177	-6.44521
SNRPG	0.063397	-0.03157	0.330838	0.744231	0.825594	-6.44542
ODZ3	0.082369	-0.00765	0.330469	0.744506	0.825758	-6.44554
IL1A	0.051986	0.015845	0.329759	0.745034	0.826297	-6.44578
PRPSAP2	-0.05857	-0.0951	-0.32952	0.745209	0.826444	-6.44586
HNRPLL	-0.04526	-0.01846	-0.25617	0.800743	0.86746	-6.446
ZNF618	0.084517	0.267127	0.32902	0.745584	0.82675	-6.44603
ACADSB	0.108078	0.040992	0.328984	0.745611	0.82675	-6.44604
LYRM5	0.021426	-0.02248	0.297185	0.769573	0.845236	-6.44611
PYDC1	-0.06139	0.040613	-0.32863	0.745878	0.826999	-6.44617
MAGEA9	-0.14794	-0.25268	-0.32851	0.745963	0.827021	-6.4462
CRTAP	0.128113	0.475825	0.328486	0.745982	0.827021	-6.44621
HOXD8	-0.06196	-0.18441	-0.3283	0.74612	0.8271	-6.44627
HCN1	-0.10054	0.06539	-0.32828	0.746138	0.8271	-6.44628
MESDC2	0.047049	-0.17346	0.328216	0.746183	0.827103	-6.4463
GLOD4	0.025806	0.38135	0.09014	0.929126	0.961412	-6.44632
LOC10065	0.019162	-0.20451	0.08996	0.929267	0.961507	-6.44633
RPP40	-0.08332	0.002138	-0.32795	0.746383	0.827278	-6.44639
FBXO41	-0.07918	0.341321	-0.32768	0.746582	0.827453	-6.44648
SLC17A3	0.051766	-0.02055	0.327394	0.746795	0.827641	-6.44658
NPR3	0.087286	0.075522	0.326932	0.747139	0.827976	-6.44673
ST6GAL1	-0.13519	0.505295	-0.32655	0.747426	0.828247	-6.44686
LOC10065	-0.12426	0.232358	-0.29468	0.771459	0.846216	-6.44687
CHST9-AS1	-0.06655	-0.10005	-0.29459	0.771525	0.846233	-6.4469
HSP90AA4	0.050422	-0.1043	0.294461	0.771622	0.846253	-6.44694
SLC22A11	0.097068	0.135293	0.326013	0.747824	0.828641	-6.44704
TTC7A	0.098298	0.356716	0.325771	0.748004	0.828794	-6.44712
ANXA13	-0.01033	-0.21313	-0.0674	0.947108	0.973643	-6.44713
ITGA1	-0.14393	0.444169	-0.32533	0.748333	0.829026	-6.44727
TSHZ2	0.064699	-0.5347	0.32532	0.748341	0.829026	-6.44727
ABCA9	0.061085	0.081119	0.324941	0.748623	0.829265	-6.4474
AQP12A	0.054569	-0.05337	0.324917	0.748641	0.829265	-6.4474
IPO4	-0.08324	0.365598	-0.32467	0.748821	0.829418	-6.44748
SNRPA	-0.051	0.22544	-0.32447	0.748972	0.829471	-6.44755
TTY10	-0.1212	0.165349	-0.32438	0.749038	0.829471	-6.44758
CCNDBP1	-0.06941	-0.16717	-0.32434	0.749069	0.829471	-6.44759
MIR137HG	0.061294	-0.0593	0.32427	0.749124	0.829471	-6.44762
C4orf48	-0.07174	0.162333	-0.32416	0.749204	0.829514	-6.44765
NOS2	0.066514	0.00898	0.324008	0.749319	0.829594	-6.4477
GZMB	0.177368	0.047778	0.323811	0.749466	0.82971	-6.44777

CCDC79	-0.02369	-0.16312	-0.07241	0.943041	0.970837	-6.4478
RHBDD3	0.046647	0.148415	0.323413	0.749763	0.829991	-6.4479
WRAP53	-0.0541	0.178946	-0.32331	0.74984	0.83003	-6.44794
PRAMEF16	-0.0847	0.01615	-0.29072	0.774437	0.848555	-6.44806
MOCOS	0.053084	-0.11646	0.322691	0.750301	0.83047	-6.44814
COBRA1	-0.03316	0.151939	-0.32266	0.750322	0.83047	-6.44815
FAM138A	0.062189	-0.13686	0.322591	0.750376	0.830482	-6.44817
GSTM5	0.122397	-0.14053	0.322393	0.750523	0.830586	-6.44824
SLC25A23	-0.10241	0.386366	-0.32213	0.750718	0.830586	-6.44832
ETV7	-0.24889	0.751007	-0.32212	0.750727	0.830586	-6.44833
VCX	-0.19565	0.441619	-0.32209	0.750747	0.830586	-6.44834
C2orf55	-0.0958	0.206889	-0.32205	0.75078	0.830586	-6.44835
LOC100507	-0.02353	-0.01412	-0.32202	0.750805	0.830586	-6.44836
PAK7	0.097634	0.124379	0.32201	0.750809	0.830586	-6.44836
RCAN2	0.009695	-0.36486	0.04388	0.965547	0.985823	-6.44849
LOC100128	-0.06211	0.098365	-0.32121	0.751404	0.831175	-6.44863
GCOM1	-0.01854	0.003709	-0.32114	0.75146	0.831175	-6.44865
FBXO25	0.068644	-0.02805	0.321065	0.751515	0.831175	-6.44867
SCAF4	0.078192	0.243108	0.321	0.751563	0.831175	-6.4487
ZNF530	-0.08802	-0.00983	-0.32099	0.751568	0.831175	-6.4487
IMMP1L	-0.06561	-0.17792	-0.32096	0.751596	0.831175	-6.44871
ARNT2	-0.02146	-0.15776	-0.0552	0.956562	0.97959	-6.44892
RUVBL2	0.054736	0.16789	0.320297	0.752088	0.83165	-6.44893
TMEM42	0.101257	-0.16794	0.320268	0.752109	0.83165	-6.44894
BAK1	-0.06369	0.196187	-0.32001	0.752305	0.831772	-6.44902
TMEM19	-0.06182	0.065677	-0.31981	0.752455	0.831891	-6.44909
TMPRSS5	-0.01155	0.025168	-0.05212	0.958983	0.981217	-6.44909
DKKL1	0.017139	-0.3217	0.049826	0.960784	0.982804	-6.44921
TNN	-0.0157	-0.18892	-0.04874	0.961638	0.983128	-6.44927
TAF5	-0.10175	0.03509	-0.28625	0.777803	0.85127	-6.44938
CARD11	-0.09909	0.315551	-0.31885	0.753166	0.832583	-6.4494
AGXT2L1	0.017527	-0.12963	0.045914	0.963861	0.98468	-6.4494
LOC100506	-0.07892	-0.03661	-0.28614	0.777891	0.85127	-6.44941
GEMIN2	-0.01549	-0.42951	-0.04545	0.964226	0.984834	-6.44943
KIAA1456	0.069844	-0.23247	0.318648	0.753319	0.832706	-6.44946
FAM117B	-0.07219	0.275019	-0.31826	0.753611	0.832934	-6.44959
GUSBP5	-0.02254	-0.01764	-0.2854	0.77845	0.851692	-6.44963
GLRB	-0.04331	0.008663	-0.31757	0.754123	0.833406	-6.44981
POGZ	-0.05098	-0.04601	-0.31698	0.754566	0.833848	-6.45001
DGCR5	0.00723	-0.23281	0.027955	0.977991	0.994673	-6.45009
C1orf129	0.065924	-0.03176	0.31673	0.754753	0.833963	-6.45009
PLCE1	0.082926	0.035052	0.316727	0.754755	0.833963	-6.45009
LOC100136	-0.10107	0.227128	-0.2838	0.779654	0.852324	-6.45009
TMEM54	-0.07935	0.441414	-0.28345	0.779921	0.852485	-6.4502
NID2	0.00791	0.027621	0.018391	0.98552	0.999705	-6.45031
C1orf201	0.066574	0.075044	0.315735	0.755497	0.834689	-6.45041
STX1B	-0.00481	-0.15812	-0.01176	0.990742	1	-6.45042

DKFZP564C	-0.00365	0.102009	-0.01145	0.990984	1	-6.45042
C20orf173	0.001336	-0.47002	0.004421	0.996519	1	-6.45048
ZFY	-0.00096	-0.14327	-0.00326	0.997435	1	-6.45048
TDGF1P3	0	0	0	1	1	-6.45049
SOX2-OT	0	0	0	1	1	-6.45049
RASSF6	0	0	0	1	1	-6.45049
PAR5	0	0	0	1	1	-6.45049
ODZ1	0.057737	-0.11334	0.315463	0.7557	0.834867	-6.4505
COL23A1	-0.08347	-0.26654	-0.31528	0.755834	0.834925	-6.45055
SNX32	-0.06932	0.109116	-0.31528	0.755839	0.834925	-6.45056
HOMEZ	0.163042	0.088649	0.314845	0.756162	0.835185	-6.4507
MED9	0.047237	-0.20524	0.314792	0.756202	0.835185	-6.45071
CD226	-0.07433	0.150601	-0.31444	0.756468	0.83539	-6.45083
STARD9	0.050525	-0.0628	0.31443	0.756473	0.83539	-6.45083
IL20RB	-0.06774	0.282591	-0.31417	0.756667	0.835558	-6.45091
TTR	-0.0828	0.115103	-0.28087	0.781866	0.853761	-6.45094
TAPBPL	-0.06096	0.052966	-0.31393	0.756845	0.835707	-6.45099
ACBD3	0.041757	-0.25162	0.313699	0.75702	0.835853	-6.45106
KIAA0226	0.06663	0.155034	0.313627	0.757074	0.835865	-6.45109
TTY7	0.018779	-0.0157	0.280066	0.782475	0.853998	-6.45117
DDX10	0.089989	0.271318	0.311949	0.75833	0.83719	-6.45162
TASP1	0.077212	-0.1169	0.31191	0.758359	0.83719	-6.45164
NOM1	0.114858	0.16632	0.31154	0.758636	0.837448	-6.45175
MTPAP	0.064497	0.007805	0.311405	0.758737	0.837464	-6.4518
CXCR6	0.159163	0.446769	0.311262	0.758845	0.837464	-6.45184
FOXO3	-0.08277	0.39972	-0.31121	0.758885	0.837464	-6.45186
RNF220	0.045656	-0.08488	0.311179	0.758907	0.837464	-6.45187
DBT	-0.04801	0.058466	-0.31111	0.758958	0.837474	-6.45189
MGC2752	-0.07861	0.008947	-0.31064	0.75931	0.837815	-6.45204
TRIM59	-0.12748	-0.28553	-0.31054	0.759382	0.837848	-6.45207
PDP1	0.073084	-0.14845	0.310358	0.759521	0.837926	-6.45213
LRMP	-0.08916	-0.07374	-0.31028	0.759582	0.837926	-6.45215
FOLH1B	0.042468	-0.03696	0.231474	0.819577	0.88177	-6.45219
ANGPTL4	-0.04629	-0.14514	-0.27648	0.785187	0.856052	-6.4522
PFDN5	0.155531	-0.85366	0.309942	0.759833	0.838148	-6.45226
FBLN7	-0.0723	-0.05396	-0.3099	0.759868	0.838148	-6.45228
DPY19L2P2	0.089685	-0.12383	0.309623	0.760072	0.838325	-6.45236
COPG2	0.018894	-0.01564	0.275866	0.78565	0.856413	-6.45237
DLX1	0.085716	-0.03068	0.30956	0.760119	0.838331	-6.45238
RPP25	0.080423	0.434019	0.309414	0.760229	0.838404	-6.45243
FGF13	-0.14441	0.472411	-0.30893	0.760592	0.838757	-6.45258
REPS1	0.055855	-0.10384	0.308779	0.760705	0.838834	-6.45263
APOL3	0.065716	0.018296	0.308051	0.76125	0.839389	-6.45286
CDY2A	-0.10409	-0.04496	-0.27402	0.787045	0.857457	-6.45289
C7orf45	-0.07745	-0.09271	-0.30773	0.761488	0.839557	-6.45296
C11orf70	-0.12557	0.019771	-0.30767	0.761537	0.839563	-6.45298
CDV3	-0.06987	0.36366	-0.3075	0.761665	0.839657	-6.45303

GPRC5A	0.065194	-0.0138	0.307203	0.761886	0.839854	-6.45312
PTCD2	-0.08723	0.299037	-0.3065	0.762414	0.840332	-6.45335
LOC28370	-0.05484	-0.38748	-0.30637	0.762514	0.840332	-6.45339
CKS1B	-0.10429	0.070823	-0.30634	0.762535	0.840332	-6.4534
DMC1	-0.09389	-0.01387	-0.30614	0.762683	0.840448	-6.45346
UNC5C	0.063905	0.162608	0.306021	0.762773	0.8405	-6.4535
NIM1	-0.05323	-0.0288	-0.30585	0.762903	0.84056	-6.45355
SLC35E2	0.06161	-0.11709	0.305834	0.762913	0.84056	-6.45355
SSR2	-0.05859	-0.0754	-0.30542	0.763225	0.840857	-6.45368
CCNE2	-0.13432	-0.02503	-0.3053	0.763313	0.840906	-6.45372
TCP1	0.054499	-0.07429	0.305233	0.763364	0.840915	-6.45374
MAT2B	0.094696	-0.37327	0.305007	0.763534	0.841055	-6.45381
RAX	-0.05015	-0.12334	-0.30485	0.763648	0.841133	-6.45386
KRTAP9-9	-0.08566	0.161409	-0.30449	0.76392	0.841386	-6.45397
IRS1	0.020155	-0.00448	0.223815	0.825441	0.885987	-6.45398
SEPP1	-0.0723	0.196147	-0.26989	0.790174	0.859575	-6.45404
CXCL1	-0.09988	0.180297	-0.30388	0.764382	0.841813	-6.45416
MZB1	-0.09105	0.623804	-0.30385	0.764403	0.841813	-6.45417
RXRB	-0.0944	-0.1334	-0.3037	0.764511	0.841813	-6.45422
GREM1	-0.03025	-0.03374	-0.30368	0.764532	0.841813	-6.45423
ZBTB24	-0.06551	0.27298	-0.30366	0.764542	0.841813	-6.45423
CBX7	0.090883	0.379158	0.303631	0.764566	0.841813	-6.45424
P2RY6	0.104917	-0.00306	0.303525	0.764646	0.841815	-6.45427
KIAA1671	-0.12546	0.138523	-0.30347	0.764689	0.841815	-6.45429
SLIRP	-0.09626	0.119577	-0.30346	0.764697	0.841815	-6.45429
SP140	0.080265	0.224478	0.303312	0.764806	0.841833	-6.45434
PUS7	-0.08279	-0.02403	-0.30328	0.76483	0.841833	-6.45435
ZNF600	0.113526	0.065085	0.303263	0.764842	0.841833	-6.45435
PKIA	-0.10826	-0.06443	-0.30317	0.764914	0.841865	-6.45438
C17orf100	-0.1132	0.43929	-0.26854	0.7912	0.8605	-6.45441
ECEL1	-0.08609	-0.37725	-0.3027	0.765264	0.842203	-6.45453
PRMT1	0.071976	0.194845	0.302433	0.765466	0.842331	-6.45461
CEP128	-0.07682	0.039753	-0.30234	0.765535	0.84236	-6.45464
HS3ST3A1	0.019407	-0.01324	0.302274	0.765586	0.842368	-6.45466
HIST1H2BC	-0.08862	0.197545	-0.30197	0.765814	0.842572	-6.45475
HAAO	0.090285	0.011517	0.301844	0.765908	0.842586	-6.45479
SPSB2	-0.09618	0.13108	-0.30184	0.765913	0.842586	-6.45479
TMEM154	0.090414	-0.08094	0.30172	0.766001	0.842603	-6.45483
CDC42BPG	0.118396	0.310655	0.301703	0.766015	0.842603	-6.45484
CTDSPL	-0.15666	0.745839	-0.30149	0.766173	0.842683	-6.4549
AIM1L	-0.05138	0.371517	-0.30125	0.766357	0.842838	-6.45498
PANK2	-0.11811	0.57827	-0.30106	0.766497	0.842945	-6.45503
SREBF1	0.056275	0.094727	0.300797	0.766695	0.843115	-6.45512
AIMP1	-0.07626	-0.25604	-0.30057	0.766867	0.843257	-6.45519
C20orf166	0.037935	-0.00759	0.300385	0.767005	0.843361	-6.45524
LOC15762	0.049972	-0.16325	0.3001	0.767219	0.843549	-6.45533
TACO1	-0.07302	0.245688	-0.29985	0.767407	0.843708	-6.45541

MAGEE2	-0.0575	0.022511	-0.26471	0.7941	0.862601	-6.45546
HIP1R	-0.09255	0.29352	-0.29966	0.767549	0.843814	-6.45546
SCAND1	0.064497	0.094858	0.299608	0.767589	0.843814	-6.45548
LSM5	-0.09761	-0.15031	-0.29954	0.767637	0.843819	-6.4555
ZNF581	0.055351	0.051346	0.299092	0.767977	0.844094	-6.45564
ANG	0.124919	0.339974	0.299039	0.768016	0.844094	-6.45565
MAPK8IP1	0.15261	-0.12095	0.298851	0.768158	0.844202	-6.45571
AIM1	-0.05755	-0.36873	-0.29835	0.768533	0.844567	-6.45586
PPFIBP2	0.07287	0.284281	0.298022	0.768781	0.844793	-6.45596
PPIP5K1	0.062362	0.199668	0.297907	0.768867	0.84484	-6.456
IDO1	-0.19606	-0.21369	-0.29779	0.768955	0.844889	-6.45604
OR1A1	0.035317	-0.07757	0.262361	0.795887	0.863632	-6.4561
FILIP1	0.079518	0.261396	0.2975	0.769174	0.845034	-6.45612
GSDMB	-0.07831	0.293869	-0.29742	0.769235	0.845036	-6.45615
ATP8B1	-0.12247	0.074937	-0.29738	0.769261	0.845036	-6.45616
KLHL14	0.078648	-0.09652	0.297285	0.769335	0.84507	-6.45619
APOM	0.068911	-0.11068	0.297098	0.769476	0.845177	-6.45625
FAM26E	-0.15438	0.714755	-0.29685	0.769664	0.845288	-6.45632
EPB41L2	-0.06822	0.350422	-0.2966	0.769851	0.845411	-6.4564
FLJ22763	-0.08977	-0.12003	-0.29659	0.769861	0.845411	-6.4564
CCDC56	-0.06143	0.128099	-0.29639	0.770006	0.845502	-6.45646
MEOX2	0.107724	0.152414	0.29636	0.770031	0.845502	-6.45647
PNKP	0.047854	0.050414	0.29593	0.770355	0.845677	-6.4566
SIT1	0.111739	0.283681	0.295927	0.770357	0.845677	-6.4566
LOC15756	0.081327	0.166491	0.29592	0.770363	0.845677	-6.4566
SNORA70	0.040762	-0.16097	0.295604	0.7706	0.845792	-6.4567
LOC28441	-0.08717	0.085713	-0.2956	0.770605	0.845792	-6.4567
EPC2	-0.05312	-0.37138	-0.29555	0.77064	0.845792	-6.45671
SALL4	-0.07868	-0.12508	-0.29547	0.770704	0.845815	-6.45674
LOC10013	-0.08091	0.111854	-0.29513	0.770954	0.846041	-6.45684
ACTR8	-0.07424	0.133811	-0.29501	0.771049	0.846065	-6.45688
tAKR	0.024888	-0.09443	0.132802	0.895921	0.937951	-6.45689
PELI2	0.070851	-0.15221	0.294939	0.771101	0.846065	-6.4569
POLR1E	-0.0959	0.452398	-0.29493	0.771105	0.846065	-6.4569
RAPH1	-0.03853	-0.29144	-0.25928	0.798227	0.865494	-6.45692
CYP46A1	0.04489	-0.23241	0.25923	0.798265	0.865494	-6.45693
DDR1	0.09296	0.513947	0.294781	0.77122	0.846137	-6.45695
PDE4DIP	0.053386	0.147767	0.294697	0.771283	0.846137	-6.45697
CCDC144N	0.048109	-0.05406	0.294674	0.7713	0.846137	-6.45698
LOC10050	0.063464	-0.26172	0.29449	0.771439	0.846216	-6.45704
PEX6	0.099764	0.040402	0.294328	0.771561	0.846233	-6.45708
TREML3	0.080503	0.235959	0.13071	0.897551	0.938942	-6.45718
LOC64424	-0.06255	-0.05818	-0.2938	0.771961	0.846532	-6.45724
ADH1A	0.055104	-0.04758	0.293795	0.771962	0.846532	-6.45724
OASL	0.169493	0.37128	0.293442	0.772228	0.846775	-6.45735
IBTK	0.087305	-0.2273	0.257442	0.799625	0.866537	-6.45741
SMAD4	-0.08037	0.13786	-0.29298	0.772576	0.84711	-6.45749

GRM2	0.052469	-0.10422	0.292871	0.772658	0.847152	-6.45752
C16orf73	0.056328	-0.27756	0.292582	0.772876	0.847344	-6.45761
BNIP3	-0.06774	-0.19029	-0.29197	0.773335	0.847799	-6.45779
MMP15	-0.05124	-0.02492	-0.29155	0.773653	0.848101	-6.45792
ERBB2IP	-0.08112	-0.17841	-0.29136	0.773797	0.848158	-6.45797
MRPS33	0.102825	-0.4428	0.291342	0.77381	0.848158	-6.45798
MAMDC4	-0.04101	0.210945	-0.29131	0.773835	0.848158	-6.45799
RFX5	0.064386	0.136714	0.254757	0.801667	0.868174	-6.45811
KIFAP3	-0.05723	-0.12847	-0.29087	0.774167	0.848474	-6.45812
IQCF3	0.045837	-0.37911	0.123282	0.903341	0.94335	-6.45815
SPAG17	0.044672	-0.14611	0.290739	0.774264	0.848534	-6.45816
ZCCHC13	0.08255	-0.14343	0.290624	0.774352	0.848555	-6.45819
C3orf45	-0.15623	0.716447	-0.29052	0.774427	0.848555	-6.45822
FGF18	0.033593	-0.19164	0.204564	0.840225	0.896844	-6.45822
SERPIND1	0.032655	-0.06173	0.290484	0.774457	0.848555	-6.45823
AFAP1L2	-0.08952	0.540659	-0.29035	0.774554	0.848614	-6.45827
SUCNR1	0.136681	0.17696	0.290023	0.774805	0.848794	-6.45837
SPIB	-0.10927	0.425932	-0.28905	0.775537	0.849474	-6.45866
ATP5G1	-0.07141	0.216175	-0.28893	0.775629	0.849474	-6.45869
PCID2	-0.07532	0.137865	-0.28892	0.775636	0.849474	-6.4587
ENOX2	0.054785	-0.12444	0.288912	0.775642	0.849474	-6.4587
SLC38A4	-0.05312	-0.08549	-0.28871	0.775791	0.84959	-6.45876
HERPUD1	0.049475	-0.05954	0.288479	0.775969	0.849736	-6.45883
MTSS1L	-0.09386	0.014374	-0.28838	0.776042	0.849769	-6.45886
ALG9	0.109119	-0.08946	0.287822	0.776464	0.850136	-6.45902
MPPED2	-0.08965	-0.03767	-0.2876	0.776632	0.850272	-6.45909
OPRM1	0.110322	0.167627	0.287265	0.776885	0.850502	-6.45918
TOE1	-0.08413	0.211923	-0.2871	0.777011	0.850572	-6.45923
MED15	-0.05193	0.202616	-0.28706	0.777036	0.850572	-6.45924
KIAA1486	-0.06096	-0.00515	-0.28699	0.77709	0.850584	-6.45926
DUS4L	-0.10194	0.14035	-0.24943	0.805725	0.871461	-6.45949
ATR	-0.07208	-0.04011	-0.28602	0.777822	0.85127	-6.45955
GATS	0.079633	0.157404	0.285946	0.77788	0.85127	-6.45957
LOC44079	-0.03923	-0.04926	-0.28552	0.778204	0.851518	-6.4597
AP2A1	0.079995	0.340444	0.285381	0.778307	0.851582	-6.45974
WNT9A	-0.07115	0.021752	-0.2483	0.806585	0.872132	-6.45978
NTF3	-0.04981	-0.1025	-0.24822	0.806647	0.872132	-6.4598
PPIE	0.076335	0.051797	0.284988	0.778603	0.851812	-6.45985
CCL17	0.047856	-0.13761	0.284869	0.778693	0.851862	-6.45989
ZNF77	-0.07772	0.320432	-0.28456	0.778923	0.852019	-6.45997
HDAC6	0.035508	0.098419	0.284314	0.779112	0.852178	-6.46005
WDR63	-0.03185	-0.21656	-0.24723	0.8074	0.87265	-6.46005
SCRIB	0.037287	0.301226	0.284151	0.779235	0.852265	-6.46009
MED18	-0.0939	-0.04972	-0.24702	0.80756	0.872675	-6.4601
ANKRD30B	0.076824	0.07162	0.283795	0.779504	0.852324	-6.4602
SERPINB12	-0.06444	0.018151	-0.28378	0.779518	0.852324	-6.4602
TTY2	-0.0658	0.061075	-0.28364	0.779625	0.852324	-6.46024

FBXO46	0.054707	0.093464	0.283635	0.779625	0.852324	-6.46024
FH	-0.04476	0.037706	-0.28359	0.77966	0.852324	-6.46026
SH3BP5L	-0.05935	0.128297	-0.28359	0.779662	0.852324	-6.46026
ARNTL2	-0.06864	-0.15897	-0.28356	0.779681	0.852324	-6.46027
NUP35	0.070548	-0.30712	0.2833	0.779879	0.852485	-6.46034
TMEM37	0.049839	0.030428	0.283194	0.779958	0.852485	-6.46037
MALL	-0.08346	0.231399	-0.2829	0.780183	0.852683	-6.46046
THAP3	0.040863	-0.02453	0.282493	0.780488	0.852922	-6.46057
TBX20	-0.1394	0.345776	-0.28232	0.780619	0.853017	-6.46062
LY6E	-0.16719	0.705795	-0.28222	0.780696	0.85305	-6.46065
TMEM201	-0.05127	-0.30021	-0.28216	0.780736	0.85305	-6.46067
SH3BGRL	-0.09623	-0.26513	-0.28205	0.780826	0.853101	-6.4607
IQCA1	0.102629	0.283245	0.281967	0.780886	0.853118	-6.46073
PCDHGC3	0.089626	-0.07636	0.281868	0.78096	0.853152	-6.46076
RGS7	0.102687	0.155547	0.244411	0.809551	0.874276	-6.46076
KCTD12	-0.07959	-0.10577	-0.28166	0.781116	0.853227	-6.46081
FAP	-0.14314	0.364793	-0.28086	0.781721	0.853745	-6.46104
ZCCHC2	-0.09067	0.423684	-0.28078	0.781785	0.853753	-6.46107
LOC100506	-0.10578	-0.12281	-0.28074	0.781815	0.853753	-6.46108
ATF7IP	0.073349	0.06941	0.280496	0.781997	0.853838	-6.46115
SLC22A6	-0.03929	0.093	-0.28046	0.782024	0.853838	-6.46116
PRKACB	0.118493	-0.31118	0.280295	0.782149	0.853844	-6.46121
GLG1	-0.06443	0.332401	-0.28028	0.782162	0.853844	-6.46121
ADAM19	-0.06465	0.139061	-0.28013	0.782278	0.853877	-6.46126
DVL2	-0.08878	0.511922	-0.28002	0.782356	0.853915	-6.46129
NCOA1	-0.08032	0.324884	-0.27978	0.782538	0.854019	-6.46135
DOHH	-0.06958	0.086267	-0.27939	0.782834	0.854294	-6.46147
MRPL21	-0.07479	-0.00556	-0.27879	0.783285	0.85471	-6.46164
GPR37	0.150627	0.185995	0.27877	0.783303	0.85471	-6.46164
EFCAB4B	-0.0661	0.193	-0.2783	0.783659	0.854949	-6.46178
ZNF223	-0.06597	0.057746	-0.27823	0.783711	0.854949	-6.4618
TAL2	0.076109	0.032297	0.278192	0.78374	0.854949	-6.46181
PDE2A	-0.09977	0.546608	-0.27814	0.783782	0.854949	-6.46182
SLC22A3	0.076053	-0.35809	0.278135	0.783783	0.854949	-6.46182
LOC100128	0.089465	-0.1549	0.277786	0.784047	0.855142	-6.46192
CACNB2	0.082349	0.1765	0.277383	0.784352	0.855427	-6.46204
AVPR2	0.038577	-0.02195	0.27729	0.784423	0.855456	-6.46206
ROPN1L-A	-0.10827	0.202512	-0.27706	0.784596	0.855598	-6.46213
PHF12	-0.13238	0.246124	-0.23864	0.813954	0.877455	-6.46219
TMEM132I	0.037968	-0.18841	0.238516	0.814053	0.877465	-6.46222
ARRDC5	0.056461	0.012152	0.276723	0.784851	0.855828	-6.46223
RAMP1	0.101824	-0.01819	0.276645	0.784911	0.855845	-6.46225
IKBIP	-0.07225	0.04075	-0.23823	0.81427	0.877651	-6.46229
DHX32	-0.04198	-0.08382	-0.27638	0.785109	0.856014	-6.46232
MS4A8B	0.022698	-0.00504	0.183805	0.856237	0.908344	-6.46237
SPATA9	-0.04476	0.090317	-0.23786	0.814551	0.877905	-6.46238
LOC38904	-0.0186	-0.01116	-0.27617	0.785269	0.856093	-6.46238

GNGT2	-0.07413	0.43646	-0.27546	0.785809	0.856461	-6.46258
BOLA2B	0.074619	-0.11673	0.275443	0.785821	0.856461	-6.46259
GGT7	0.05237	0.056545	0.275437	0.785825	0.856461	-6.46259
LOC283661	0.016779	-0.13747	0.081225	0.936219	0.966444	-6.4626
AQPEP	-0.03846	0.036826	-0.27462	0.786447	0.857092	-6.46282
BTBD16	-0.0491	0.003758	-0.27428	0.786704	0.857287	-6.46291
C5orf43	0.081575	0.116192	0.274263	0.786714	0.857287	-6.46292
MYBBP1A	-0.05989	0.325161	-0.27407	0.786859	0.857349	-6.46297
SORD	-0.07356	0.173487	-0.27391	0.786982	0.857436	-6.46302
ELAVL3	0.046543	-0.05392	0.273721	0.787125	0.857472	-6.46307
MFN2	-0.08449	0.324308	-0.27369	0.787147	0.857472	-6.46308
SPATS2L	-0.16444	0.563861	-0.27348	0.787306	0.857598	-6.46314
CYP4V2	-0.08832	0.379065	-0.27338	0.787387	0.857638	-6.46317
IFNA16	0.017573	-0.02181	0.234526	0.817103	0.879978	-6.46319
KIAA1737	0.052244	-0.21089	0.272852	0.787783	0.858022	-6.46331
ZSCAN12P1	-0.07411	-0.05893	-0.27264	0.787942	0.858147	-6.46337
ORM2	-0.13782	-0.10621	-0.27244	0.788097	0.858269	-6.46343
SVOP	0.038955	-0.24429	0.177329	0.861245	0.912195	-6.46358
ANKRD50	0.130513	0.165348	0.271805	0.788577	0.858696	-6.46361
THBD	-0.14452	-0.00555	-0.27152	0.788792	0.858882	-6.46368
LOC401055	0.067078	0.508741	0.271428	0.788862	0.858912	-6.46371
ZNF512B	-0.0907	0.204147	-0.27134	0.788926	0.858933	-6.46373
U2AF2	0.052726	0.381825	0.271119	0.789097	0.859071	-6.4638
ARHGEF10	0.109507	-0.0826	0.270927	0.789242	0.859182	-6.46385
FBXO24	0.055385	0.156556	0.270727	0.789394	0.859254	-6.4639
DOCK6	0.068133	0.414616	0.270724	0.789396	0.859254	-6.46391
DKFZp547J12.1	-0.03033	0.006066	-0.27051	0.789561	0.859337	-6.46397
DYNC1I1	-0.09417	0.083346	-0.23123	0.819624	0.881772	-6.46398
HSPD1	-0.07962	0.203225	-0.27039	0.789653	0.859387	-6.464
ST8SIA3	0.051403	-0.21679	0.270227	0.789773	0.859425	-6.46404
NPAT	-0.09388	0.068642	-0.27003	0.789923	0.859514	-6.4641
KCNJ12	0.088476	0.176767	0.269971	0.789967	0.859514	-6.46411
LRRC4C	-0.11357	0.000526	-0.26991	0.79001	0.859514	-6.46413
PPP6R1	-0.04608	0.097556	-0.26981	0.790089	0.859531	-6.46416
IGFBP5	0.015469	-0.00309	0.269616	0.790236	0.859595	-6.46421
ADO	-0.01628	-0.02435	-0.17322	0.864426	0.914396	-6.46432
LOC100128101	-0.05585	0.012411	-0.1732	0.864444	0.914396	-6.46432
ZNF461	-0.08761	0.061969	-0.26904	0.790672	0.860021	-6.46437
PARP12	-0.11606	0.215149	-0.26877	0.790879	0.860198	-6.46444
ZNF479	-0.07797	0.092389	-0.2287	0.821566	0.88294	-6.46458
HSFY2	0.140354	0.340375	0.267795	0.791618	0.860907	-6.46471
C9orf129	-0.04644	0.017517	-0.26773	0.791671	0.860917	-6.46473
EGFL7	-0.07181	0.370817	-0.26741	0.791907	0.861042	-6.46482
RHOD	0.065498	0.081063	0.267404	0.791915	0.861042	-6.46482
LINC00246	-0.05882	0.029363	-0.2674	0.791918	0.861042	-6.46482
PDCD2L	0.091207	0.176121	0.267172	0.792091	0.86114	-6.46488
ACSM1	-0.01422	-0.07514	-0.0466	0.963379	0.984328	-6.46488

HLA-DRA	0.274728	-0.51376	0.267165	0.792096	0.86114	-6.46488
ARHGEF3	0.084397	-0.12705	0.26701	0.792214	0.861202	-6.46493
PIGT	-0.03629	0.072815	-0.26696	0.792252	0.861202	-6.46494
EYA1	-0.05619	-0.03473	-0.2669	0.792297	0.861202	-6.46496
MIR210HG	-0.0153	0.00096	-0.26686	0.792328	0.861202	-6.46497
GNG12	-0.05404	-0.01852	-0.26645	0.792642	0.861486	-6.46508
PMEPA1	0.086918	0.236979	0.266398	0.792678	0.861486	-6.46509
CD99L2	-0.05916	-0.03514	-0.26595	0.79302	0.861788	-6.46522
ZNF706	-0.05041	-0.08003	-0.26592	0.793044	0.861788	-6.46523
ZNF503-AS	0.008636	-0.17559	0.038797	0.969508	0.988785	-6.46523
OR51B4	-0.04597	0.079587	-0.22585	0.823746	0.884749	-6.46524
FEM1A	-0.032	0.222319	-0.26582	0.793117	0.86182	-6.46525
USP43	0.068494	0.155371	0.225386	0.824103	0.884939	-6.46535
SH3TC1	0.073659	0.270508	0.265375	0.793455	0.862092	-6.46537
C8orf51	-0.04653	-0.05031	-0.16698	0.869264	0.918187	-6.46541
NLRP13	0.084129	-0.34373	0.224933	0.82445	0.885263	-6.46545
TOP2B	0.05378	-0.15879	0.265074	0.793684	0.862245	-6.46545
UGGT2	0.059379	0.090831	0.264349	0.794234	0.862686	-6.46565
DNAJC28	-0.08526	0.022022	-0.26424	0.794314	0.862686	-6.46568
LOC64543:	-0.11772	0.336708	-0.26423	0.794324	0.862686	-6.46568
AGAP8	-0.06492	0.214095	-0.26419	0.794355	0.862686	-6.46569
NUSAP1	-0.07815	-0.39582	-0.26413	0.794398	0.862686	-6.46571
LOC44043:	-0.07721	-0.16174	-0.26376	0.794685	0.86295	-6.46581
ZNF771	-0.07428	0.405117	-0.2636	0.794806	0.863033	-6.46585
FKBP4	0.169867	0.738212	0.263184	0.79512	0.863294	-6.46597
LOC28345:	0.137951	0.531466	0.263157	0.79514	0.863294	-6.46597
UQCRB	-0.12174	-0.69693	-0.26274	0.795458	0.863549	-6.46609
MAF1	-0.07751	0.484593	-0.26266	0.795516	0.863553	-6.46611
XAGE2B	0.085309	-0.1609	0.262568	0.795588	0.863553	-6.46613
SERPINB13	-0.10252	0.087271	-0.26256	0.795594	0.863553	-6.46613
CNOT10	-0.03663	0.266316	-0.26237	0.795736	0.863632	-6.46618
GPR83	-0.0468	-0.00563	-0.22164	0.826975	0.887147	-6.46621
PFKM	0.061053	0.1576	0.262245	0.795832	0.863632	-6.46622
CDON	-0.08745	-0.06849	-0.26219	0.795875	0.863632	-6.46623
DCAF7	-0.05294	0.086486	-0.26218	0.79588	0.863632	-6.46623
LOC40158:	0.064624	-0.517	0.261597	0.796326	0.864013	-6.46639
ADCK2	-0.06153	0.382372	-0.26131	0.796545	0.864202	-6.46647
COL8A2	0.063877	0.127137	0.220368	0.827952	0.887952	-6.4665
KIAA0889	0.038807	0.003982	0.260923	0.796838	0.864461	-6.46657
FSD1	-0.07217	0.297574	-0.26088	0.796871	0.864461	-6.46658
CCNJL	-0.10032	0.341123	-0.26077	0.796955	0.864504	-6.46661
SIM2	-0.07434	0.143742	-0.21981	0.828383	0.888143	-6.46662
PROM1	-0.09653	-0.17395	-0.2198	0.828384	0.888143	-6.46662
DCAF15	-0.05248	0.317036	-0.26053	0.797139	0.864655	-6.46668
S1PR1	0.084289	-0.64805	0.26047	0.797182	0.864655	-6.46669
LOC64340:	0.01946	-0.00432	0.159279	0.875236	0.922754	-6.46671
MAPKAPK5	0.078212	-0.01394	0.260162	0.797416	0.864861	-6.46677

ID3	-0.08649	0.368033	-0.26009	0.797471	0.864873	-6.46679
OR4S1	0.067813	0.002608	0.259864	0.797643	0.864991	-6.46685
FAM70B	0.065573	-0.19773	0.25983	0.797668	0.864991	-6.46686
GPX8	0.049166	0.063645	0.259427	0.797976	0.865276	-6.46697
LOC100501	0.075884	0.169471	0.217997	0.829772	0.889314	-6.46703
MGC12916	0.061453	0.073526	0.217657	0.830033	0.889406	-6.4671
ANKRD36B	0.077407	-0.16728	0.21725	0.830346	0.889692	-6.4672
LOC65306	-0.08706	-0.41404	-0.25854	0.798648	0.865861	-6.4672
RGS1	-0.07048	-0.06174	-0.15547	0.878191	0.925272	-6.46732
RBM25	-0.08725	0.327823	-0.25804	0.799028	0.866178	-6.46734
UTS2D	0.08015	-0.17527	0.257978	0.799077	0.866183	-6.46735
APLNR	0.044604	-0.11463	0.257624	0.799347	0.866427	-6.46745
USP2	0.031835	-0.27944	0.154523	0.87893	0.925602	-6.46748
ELFN2	0.039405	-0.08877	0.257489	0.79945	0.866445	-6.46748
PRRG2	-0.04143	0.252555	-0.25732	0.799577	0.866532	-6.46753
SECISBP2	-0.04259	0.025747	-0.25713	0.799725	0.866549	-6.46758
RPL26	-0.14245	-0.43965	-0.25705	0.799783	0.866564	-6.4676
SLC32A1	-0.04684	-0.18343	-0.21533	0.831824	0.890691	-6.46762
FAM198B	0.078013	-0.64376	0.256788	0.799983	0.866733	-6.46767
IL33	0.042025	-0.01734	0.256618	0.800113	0.866826	-6.46771
ATP13A5	0.062832	0.118065	0.214153	0.832726	0.891413	-6.46788
LOC389906	0.085085	0.251695	0.255572	0.800909	0.867593	-6.46799
PRPH2	-0.05549	0.016195	-0.21349	0.833236	0.891859	-6.46803
GRAMD1C	0.074433	0.048424	0.255276	0.801134	0.867789	-6.46806
KRT28	-0.0419	0.079515	-0.25468	0.801592	0.868174	-6.46822
WNT8A	0.060845	-0.04112	0.254648	0.801613	0.868174	-6.46823
ZNF608	-0.14389	0.627542	-0.25458	0.801666	0.868174	-6.46825
LYPD6	-0.0154	-0.00567	-0.25433	0.801856	0.86833	-6.46831
ACAD11	-0.04904	0.010324	-0.21181	0.834529	0.89271	-6.46839
PANX1	-0.06662	0.287068	-0.25396	0.802138	0.86854	-6.46841
MRPL43	-0.13878	0.500932	-0.25381	0.80225	0.868593	-6.46845
MGAT3	0.120146	0.574685	0.253769	0.802282	0.868593	-6.46846
PGBD3	0.056681	-0.06686	0.253719	0.80232	0.868593	-6.46847
MAP3K15	0.047834	0.007406	0.253335	0.802613	0.868831	-6.46857
Mar-02	-0.05681	0.288846	-0.25331	0.802629	0.868831	-6.46857
ACOT13	-0.12037	0.427139	-0.25319	0.802722	0.868853	-6.46861
RHOJ	0.074007	-0.08551	0.253171	0.802738	0.868853	-6.46861
CALCA	-0.05808	-0.1489	-0.25284	0.802988	0.869075	-6.4687
PTGER4	-0.08854	0.084864	-0.25262	0.803161	0.869214	-6.46876
OAS3	0.166704	0.29104	0.252542	0.803217	0.869228	-6.46877
AMHR2	-0.15683	0.02149	-0.25247	0.803269	0.869236	-6.46879
ASGR2	-0.07826	0.086965	-0.25199	0.803635	0.869536	-6.46892
LDHAL6A	-0.0425	0.079506	-0.20938	0.836396	0.894024	-6.46892
AK7	0.05799	-0.37625	0.208835	0.836816	0.894374	-6.46904
LOC100133	-0.04361	-0.12886	-0.25087	0.804488	0.870363	-6.4692
UNC45A	0.042814	-0.03312	0.250554	0.804732	0.870578	-6.46929
C22orf33	0.054757	-0.1317	0.250312	0.804916	0.87073	-6.46935

NR1I3	-0.05259	0.125331	-0.24973	0.805362	0.871164	-6.4695
NFASC	0.069673	0.007137	0.249327	0.805668	0.871446	-6.4696
FAM184B	-0.07295	0.146962	-0.20609	0.838931	0.895882	-6.46962
LOC415056	-0.06248	-0.29379	-0.24914	0.805813	0.871507	-6.46965
Sep-02	0.091942	0.220066	0.249027	0.805896	0.87155	-6.46968
ZNF547	0.040502	0.003443	0.139069	0.890951	0.934545	-6.46981
BCOR	-0.04138	0.037324	-0.24838	0.806388	0.872033	-6.46984
ANKFY1	-0.07056	0.237337	-0.2483	0.806452	0.872055	-6.46986
FAM208B	0.064463	-0.27594	0.204745	0.839964	0.896712	-6.4699
FCHO1	-0.05498	0.29151	-0.24802	0.806667	0.872132	-6.46993
SSNA1	-0.03224	-0.00242	-0.24797	0.806702	0.872132	-6.46995
ADH7	0.017656	-0.0238	0.247481	0.807076	0.872488	-6.47007
FLJ40536	-0.02258	-0.03936	-0.13713	0.892458	0.935725	-6.47009
CNR2	-0.05805	0.418233	-0.2474	0.807138	0.872507	-6.47009
NR1H3	-0.05223	0.193808	-0.24723	0.807267	0.872598	-6.47013
HSCB	-0.0581	0.144772	-0.13645	0.892995	0.936137	-6.47019
SHQ1	0.042048	-0.12648	0.246998	0.807445	0.87265	-6.47019
C10orf25	-0.04018	-0.03605	-0.24698	0.807456	0.87265	-6.4702
FAM153B	0.100609	-0.40203	0.246934	0.807493	0.87265	-6.47021
TKT	-0.06061	0.056796	-0.24668	0.80769	0.872766	-6.47027
MMP26	-0.0644	-0.01213	-0.24643	0.807874	0.872918	-6.47033
LOC100288	-0.04583	-0.2819	-0.24624	0.808025	0.873032	-6.47038
ROCK2	0.074367	-0.14759	0.24559	0.808519	0.87347	-6.47055
YWHAG	0.034259	-0.20564	0.245462	0.808617	0.873527	-6.47058
RHOH	0.064733	-0.18095	0.244909	0.809039	0.873935	-6.47072
PPP1R36	-0.07146	-0.17407	-0.24439	0.809434	0.874265	-6.47085
FAM123A	0.040228	-0.32544	0.244321	0.809488	0.874276	-6.47087
SLC38A9	-0.03848	-0.43313	-0.2442	0.809578	0.874276	-6.47089
PANX3	-0.04267	-0.14878	-0.24395	0.809768	0.874404	-6.47096
NGFR	0.067546	0.11008	0.243931	0.809786	0.874404	-6.47096
IFI6	-0.14797	0.296982	-0.24383	0.809866	0.874437	-6.47099
DOLPP1	-0.05591	0.235646	-0.24377	0.809905	0.874437	-6.471
HOMER3	0.079644	0.188478	0.243633	0.810013	0.874472	-6.47104
MBLAC2	0.072054	0.171724	0.243615	0.810027	0.874472	-6.47104
CCDC85C	-0.04576	0.274082	-0.24324	0.81031	0.87473	-6.47113
PCDHA8	0.051278	-0.36709	0.242869	0.810597	0.874943	-6.47123
ZNF182	0.030301	-0.20798	0.24259	0.81081	0.875125	-6.4713
KIR2DL5A	-0.1379	0.694238	-0.19794	0.845211	0.900841	-6.47131
RPLP0P2	0.076074	-0.31315	0.242436	0.810928	0.875203	-6.47134
EIF2C1	0.046207	-0.05371	0.24211	0.811177	0.875424	-6.47142
RPS3A	-0.20783	-0.95677	-0.24204	0.811227	0.87543	-6.47143
KCNJ1	0.04371	-0.0826	0.241417	0.811706	0.875851	-6.47159
TRIB1	0.109114	0.216437	0.241351	0.811757	0.875857	-6.4716
PKD2L1	0.093511	0.292757	0.196238	0.846522	0.90165	-6.47166
TMEM44	0.060215	0.43314	0.241128	0.811927	0.875993	-6.47166
LOC343055	0.067167	0.050243	0.241053	0.811984	0.876006	-6.47168
DDX19B	0.026465	-0.00244	0.240666	0.812281	0.876277	-6.47177

QPRT	0.061106	0.20399	0.24007	0.812736	0.87672	-6.47192
LOC28600:	0.09081	-0.27098	0.239906	0.812861	0.876779	-6.47196
ILF3	0.054375	0.214679	0.239871	0.812888	0.876779	-6.47197
TRIM44	-0.05564	0.097109	-0.23982	0.812925	0.876779	-6.47198
SOX4	-0.0524	0.185261	-0.23961	0.81309	0.876909	-6.47203
C4BPB	-0.06805	-0.01715	-0.23931	0.813318	0.877107	-6.47211
COX7B2	-0.04353	0.057183	-0.1939	0.848328	0.902838	-6.47213
LMBR1L	0.027109	0.03798	0.239167	0.813426	0.877163	-6.47214
CLMN	-0.07762	0.349561	-0.23893	0.81361	0.87726	-6.4722
C4BPA	-0.10864	0.06018	-0.23889	0.813639	0.87726	-6.47221
BSND	0.025657	-0.30447	0.120634	0.905327	0.94476	-6.47228
GDE1	-0.08789	0.373258	-0.23859	0.813866	0.877408	-6.47228
CROCCP3	-0.02438	-0.03661	-0.23838	0.814027	0.877465	-6.47233
TTC18	-0.05339	-0.22124	-0.19281	0.84917	0.903538	-6.47234
ANKUB1	-0.02527	-0.30967	-0.11983	0.905956	0.945184	-6.47238
DNM3OS	0.021372	-0.24318	0.119061	0.906556	0.945648	-6.47247
MIS18BP1	-0.05551	-0.15344	-0.19204	0.849764	0.903875	-6.47249
MYZAP	-0.09879	0.622251	-0.19148	0.850199	0.904057	-6.47261
KCTD15	-0.12952	0.462953	-0.23676	0.815269	0.878582	-6.47273
RBPMS	-0.07964	-0.00845	-0.2367	0.815313	0.878582	-6.47274
RERE	0.122683	0.422223	0.236524	0.815448	0.878678	-6.47279
METAP1D	-0.08555	0.151636	-0.23631	0.815612	0.878806	-6.47284
FLJ31713	0.018622	-0.26258	0.115756	0.909137	0.947281	-6.47287
ATP1B3	-0.03991	-0.02757	-0.2361	0.815771	0.878882	-6.47289
C7orf10	0.05147	-0.02251	0.235888	0.815935	0.878961	-6.47294
LOC10050:	-0.03479	-0.11093	-0.23574	0.81605	0.879037	-6.47298
PIDD	-0.04483	0.254319	-0.23505	0.816574	0.879553	-6.47314
TAC1	0.043996	-0.27119	0.234706	0.816839	0.87979	-6.47322
IPMK	0.071732	0.016194	0.234503	0.816995	0.879909	-6.47327
C5orf58	-0.03849	-0.20619	-0.18761	0.853184	0.906185	-6.47336
MIPEP	0.099451	-0.23689	0.233956	0.817413	0.880264	-6.4734
LOC10065:	-0.04935	0.148404	-0.23385	0.817494	0.8803	-6.47343
MAVS	-0.04704	0.074039	-0.2336	0.817686	0.880412	-6.47349
CARD18	-0.05286	0.101256	-0.18661	0.853958	0.90676	-6.47355
FZR1	-0.03907	0.184955	-0.23332	0.817898	0.880559	-6.47356
LOC72985:	-0.09371	0.141939	-0.2333	0.817912	0.880559	-6.47356
CARTPT	0.054049	-0.05252	0.186341	0.854167	0.906819	-6.4736
ZNF543	0.034517	-0.05198	0.233022	0.818129	0.880742	-6.47363
MGC16075	-0.04942	0.068138	-0.23297	0.818172	0.880742	-6.47364
FBP1	0.05528	0.259757	0.232733	0.81835	0.880885	-6.4737
GUF1	0.050087	0.130059	0.1854	0.854894	0.90746	-6.47378
PNPT1	-0.09315	-0.02238	-0.23229	0.818687	0.881199	-6.4738
CPA2	-0.01947	-0.00961	-0.1851	0.855128	0.907561	-6.47384
ATP8B2	-0.0531	0.117121	-0.23209	0.818842	0.881318	-6.47385
PTDSS2	-0.12211	0.127689	-0.23203	0.818891	0.881322	-6.47386
FAM3D	0.0753	-0.05041	0.231584	0.81923	0.881638	-6.47397
LOC64380:	-0.04429	0.419328	-0.1061	0.916685	0.952563	-6.47398

FXVD6	0.075368	0.230987	0.231362	0.8194	0.881766	-6.47402
CPNE8	-0.13372	0.386054	-0.23126	0.819478	0.881766	-6.47405
C1orf150	0.035861	0.033359	0.231253	0.819483	0.881766	-6.47405
ITPK1	-0.10458	0.763214	-0.23117	0.81955	0.88177	-6.47407
DDX54	0.072027	0.188901	0.23096	0.819708	0.881814	-6.47412
PRG2	-0.15114	0.377094	-0.23057	0.820008	0.882088	-6.47421
STAB1	-0.09816	0.411348	-0.23049	0.820068	0.882104	-6.47423
ENOX1	-0.08406	0.378566	-0.18283	0.85688	0.908828	-6.47427
KAZALD1	0.075048	0.070989	0.230256	0.820247	0.882249	-6.47428
ZFP57	0.102752	0.589765	0.230088	0.820376	0.882339	-6.47432
UBE2I	-0.04613	0.10856	-0.22987	0.820543	0.882359	-6.47437
RFX7	-0.04014	0.011078	-0.22985	0.820558	0.882359	-6.47438
PRR16	-0.08809	0.47252	-0.18213	0.85742	0.909254	-6.4744
CD79A	-0.10123	0.460171	-0.22976	0.820631	0.882359	-6.4744
IFLTD1	-0.05472	0.068515	-0.22975	0.820636	0.882359	-6.4744
POLDIP2	0.034236	0.000251	0.229723	0.820656	0.882359	-6.47441
TMEM31	-0.05829	0.055424	-0.22949	0.820835	0.882494	-6.47446
EIF4A3	0.031752	-0.00213	0.229215	0.821046	0.882594	-6.47453
SELRC1	0.039999	-0.29255	0.229189	0.821065	0.882594	-6.47453
MAPRE2	0.048175	0.021028	0.229148	0.821096	0.882594	-6.47454
NUP188	-0.07445	0.442598	-0.22913	0.821109	0.882594	-6.47455
THG1L	0.037883	0.297367	0.228941	0.821255	0.882703	-6.47459
LOC40075	0.025694	-0.26783	0.180884	0.858388	0.909935	-6.47463
TROAP	0.05098	-0.24129	0.228657	0.821473	0.882888	-6.47466
KCNA5	0.031382	-0.09662	0.227998	0.821978	0.883334	-6.47481
PRSS35	-0.0449	0.148857	-0.2277	0.822204	0.883529	-6.47488
HOXC11	0.028436	-0.24286	0.097476	0.923434	0.957089	-6.47488
BET1L	0.021785	0.101175	0.227476	0.822379	0.883668	-6.47494
SLC2A11	0.028032	0.067345	0.09627	0.924378	0.957794	-6.475
COX6C	0.095577	-0.89828	0.227026	0.822724	0.883991	-6.47504
MBTPS2	0.016417	-0.02386	0.226912	0.822811	0.884014	-6.47507
NUP155	0.04493	-0.23515	0.22688	0.822836	0.884014	-6.47507
ARMC3	0.070474	-0.09886	0.226351	0.823241	0.884352	-6.4752
MGC16142	-0.01666	-0.13952	-0.09415	0.926038	0.958965	-6.47521
CLDN15	0.046053	0.062349	0.226072	0.823455	0.884508	-6.47526
PWP1	-0.05055	0.046871	-0.22605	0.823476	0.884508	-6.47527
LIX1	0.030359	-0.05099	0.225511	0.823885	0.88485	-6.47539
CLDND1	-0.05776	-0.48498	-0.22538	0.823986	0.884902	-6.47542
TMEM14B	-0.04881	-0.49892	-0.22533	0.824023	0.884902	-6.47543
ACTN2	0.050359	-0.06527	0.175997	0.862171	0.912811	-6.47553
CCDC85A	0.015222	-0.00311	0.224508	0.824655	0.885434	-6.47562
ZNF584	0.036103	0.059494	0.224225	0.824873	0.885619	-6.47569
CPM	0.049728	0.329508	0.174595	0.863258	0.913714	-6.47578
MGAT5	-0.04494	-0.22924	-0.2238	0.825197	0.885871	-6.47578
RNF126	-0.05443	0.087656	-0.22362	0.825333	0.885968	-6.47583
LOC10013	0.03325	-0.00759	0.223495	0.825432	0.885987	-6.47585
LOC100129	0.068858	0.107607	0.223117	0.825723	0.886219	-6.47594

FAM150B	0.082839	0.170158	0.223071	0.825758	0.886219	-6.47595
GPX6	-0.05088	-0.03578	-0.17358	0.864047	0.914203	-6.47596
ABCC8	0.029634	-0.00148	0.223026	0.825792	0.886219	-6.47596
PMF1	0.031911	0.032256	0.222575	0.826138	0.886493	-6.47607
P2RY2	0.062969	-0.05996	0.222415	0.826262	0.886576	-6.4761
GPRIN3	0.05621	-0.22849	0.172748	0.864689	0.914497	-6.47611
IL19	0.043917	-0.10404	0.222288	0.826359	0.886633	-6.47613
PDE6A	-0.05056	-0.32373	-0.22196	0.826609	0.886852	-6.4762
TARSL2	0.073356	0.022232	0.221533	0.826939	0.887147	-6.4763
CD1A	-0.07094	0.159185	-0.22132	0.827105	0.887239	-6.47635
FKBP9L	-0.03338	0.075375	-0.17134	0.865779	0.915393	-6.47636
SPINT2	0.033061	-0.0875	0.220939	0.827395	0.887497	-6.47644
DNM1	-0.05311	0.351569	-0.22089	0.827436	0.887497	-6.47645
LEPROT	0.092249	-0.61619	0.220623	0.827638	0.887664	-6.47651
PPP1R26	0.062499	0.416314	0.219949	0.828155	0.888122	-6.47666
DNAJC16	0.038215	-0.58793	0.219874	0.828213	0.888135	-6.47668
MAP2	0.043964	0.018362	0.219767	0.828295	0.888143	-6.4767
YDJC	0.051091	0.133669	0.219629	0.828402	0.888143	-6.47673
C12orf12	-0.01765	-0.03211	-0.16889	0.86768	0.91686	-6.47679
MAGEB1	0.02959	0.006712	0.219343	0.828621	0.88833	-6.4768
SCARA5	0.063904	-0.40465	0.219003	0.828882	0.888561	-6.47687
DUSP19	0.106572	-0.09863	0.218374	0.829365	0.88903	-6.47701
RPL14	0.062976	0.31754	0.218044	0.829619	0.889254	-6.47709
NCOA2	0.061001	-0.35552	0.217912	0.829721	0.889314	-6.47712
SMARCA5	0.070556	-0.43066	0.217794	0.829811	0.889314	-6.47714
MYH7B	-0.01325	0.023262	-0.07149	0.943804	0.971316	-6.47715
ZNF835	0.051945	-0.0083	0.217706	0.829879	0.889338	-6.47716
ZNF644	0.09785	-0.20864	0.217587	0.82997	0.889387	-6.47719
RYR3	0.078991	0.182933	0.166359	0.869644	0.91844	-6.47722
PADI3	0.041915	-0.09871	0.21692	0.830483	0.88979	-6.47734
FLJ38379	0.029541	-0.23533	0.068618	0.946056	0.972919	-6.47736
PCDH10	-0.03046	0.059051	-0.21665	0.830689	0.889962	-6.4774
LOC100501	0.046815	-0.41254	0.216398	0.830884	0.890074	-6.47745
OXCT1	-0.07669	0.00708	-0.21612	0.831097	0.890217	-6.47752
PHIP	0.079759	0.185413	0.216047	0.831154	0.890217	-6.47753
LOC100501	-0.00397	0.000882	-0.06507	0.948843	0.974915	-6.4776
HIST1H2AC	-0.03887	0.138225	-0.21549	0.831585	0.890588	-6.47766
FBRSL1	-0.05052	0.133995	-0.21548	0.831591	0.890588	-6.47766
HOXB1	0.040385	-0.19994	0.163619	0.871771	0.920091	-6.47769
MARK3	0.040521	-0.07987	0.215232	0.831781	0.890691	-6.47771
EARS2	-0.06922	0.375212	-0.21488	0.83205	0.890884	-6.47779
ZNF366	-0.03218	0.119652	-0.06184	0.951378	0.976547	-6.47781
LOC100501	0.111196	0.410471	0.214625	0.832247	0.891047	-6.47785
FLJ25694	-0.04399	-0.17403	-0.21454	0.83231	0.891065	-6.47786
SH3BGR	-0.01171	-0.12918	-0.06006	0.952773	0.977109	-6.47792
KLF3	-0.05811	-0.25978	-0.21415	0.832616	0.891344	-6.47795
SLC4A11	0.049687	0.233168	0.213726	0.832939	0.891593	-6.47804

AKR1E2	0.02939	-0.00186	0.213284	0.833279	0.891859	-6.47814
RGS22	0.063956	-0.06604	0.160902	0.873881	0.921722	-6.47814
GK2	0.011373	-0.14076	0.056356	0.955684	0.979171	-6.47815
DNTT	0.015045	-0.00871	0.212894	0.833579	0.892111	-6.47822
METTL12	0.054235	0.075824	0.21286	0.833605	0.892111	-6.47823
LOC64365	0.02875	-0.04968	0.21247	0.833905	0.892335	-6.47832
SLC7A1	0.04573	-0.05091	0.212404	0.833956	0.89234	-6.47833
HSPE1	0.061115	0.088417	0.212188	0.834122	0.892469	-6.47838
CNTFR	0.053032	-0.15833	0.211974	0.834287	0.892589	-6.47843
CLDN22	0.0775	0.162693	0.211924	0.834325	0.892589	-6.47844
GDPD5	0.079238	0.514909	0.21183	0.834398	0.892618	-6.47846
GTPBP3	-0.04972	0.307493	-0.21157	0.8346	0.892736	-6.47851
TRIML1	-0.00773	-0.01811	-0.04927	0.961248	0.98297	-6.47853
TXNL1	-0.03296	0.038359	-0.21116	0.834913	0.893023	-6.4786
C12orf66	0.068783	-0.13377	0.210725	0.835249	0.89329	-6.4787
WASH2P	0.035946	0.018039	0.210718	0.835254	0.89329	-6.4787
CLEC18A	0.012659	0.215105	0.045095	0.964532	0.985088	-6.47873
LOC40131	-0.03152	-0.00922	-0.2105	0.835421	0.89342	-6.47874
ZNF14	-0.04357	-0.28665	-0.15704	0.876879	0.924088	-6.47877
FGFBP1	0.038475	0.066985	0.210347	0.83554	0.893498	-6.47878
ZMYND10	-0.028	0.23464	-0.21023	0.835633	0.893549	-6.4788
F5	-0.10791	-0.00641	-0.21005	0.83577	0.893636	-6.47884
DAPK1	0.084701	0.292756	0.210001	0.835806	0.893636	-6.47885
OR2F1	0.006625	-0.23396	0.04201	0.966957	0.986902	-6.47887
DEFB105B	-0.03619	-0.11577	-0.20977	0.835983	0.893777	-6.4789
PER3	0.034035	-0.12395	0.209595	0.836119	0.893853	-6.47894
PROKR2	0.039271	-0.11061	0.20956	0.836146	0.893853	-6.47895
MRPL23	0.042069	-0.02038	0.209437	0.83624	0.893905	-6.47897
AKR7A2P1	-0.03341	0.063857	-0.15509	0.878398	0.925352	-6.47908
OR8B8	0.044139	-0.20947	0.208838	0.836701	0.894301	-6.4791
SMR3B	-0.01145	-0.07955	-0.03511	0.972378	0.990526	-6.47915
TRAIP	0.052398	-0.02358	0.208565	0.836912	0.894428	-6.47916
UTP14C	0.009219	0.038144	0.033789	0.97342	0.991278	-6.47919
SUSD5	-0.0101	-0.00766	-0.03171	0.975057	0.992378	-6.47926
RPS7	0.153906	-1.08027	0.207797	0.837503	0.894963	-6.47932
DMPK	-0.03624	0.399849	-0.20748	0.837748	0.89517	-6.47939
C11orf24	0.047285	0.124664	0.207426	0.837788	0.89517	-6.4794
PARD6A	-0.03765	0.318052	-0.20723	0.837939	0.895218	-6.47944
KIF16B	0.05786	-0.00336	0.207224	0.837944	0.895218	-6.47945
C19orf20	-0.04198	0.164814	-0.2071	0.838044	0.895218	-6.47947
FRS3	0.035251	-0.20863	0.207055	0.838075	0.895218	-6.47948
MZT2A	-0.05601	0.30686	-0.20701	0.838107	0.895218	-6.47949
GPR114	-0.06686	0.411835	-0.20695	0.838156	0.895221	-6.4795
RALGAPA1	0.054136	0.009414	0.206567	0.838451	0.895487	-6.47958
SAMD13	-0.00375	0.156683	-0.01247	0.990192	1	-6.4797
ZBTB11	0.027167	-0.13673	0.205991	0.838895	0.895882	-6.47971
MID1IP1	-0.03978	0.432744	-0.20591	0.838958	0.895882	-6.47972

TMEM132I	-0.00326	-0.00114	-0.01046	0.991771	1	-6.47973
THSD7A	7.65E-05	-1.70E-05	0.000596	0.999531	1	-6.47978
PARD6B	-0.05827	0.082618	-0.20551	0.839263	0.896159	-6.47981
TMEM196	0.067822	-0.08912	0.204964	0.839686	0.896513	-6.47992
NGEF	-0.04245	-0.09492	-0.20484	0.839784	0.896569	-6.47995
RIMKLA	-0.0515	0.031895	-0.20453	0.840022	0.896725	-6.48001
ANGPTL6	-0.0355	0.110254	-0.2044	0.840117	0.896778	-6.48004
PLD6	0.066593	0.15676	0.203718	0.840646	0.897245	-6.48018
CPNE9	-0.03089	0.085483	-0.20361	0.840726	0.897279	-6.48021
RING1	0.035331	0.072676	0.203544	0.84078	0.897279	-6.48022
CEP290	0.071151	-0.14464	0.203498	0.840816	0.897279	-6.48023
TH1L	0.040536	0.112503	0.20337	0.840915	0.897336	-6.48026
DDI1	0.03296	-0.09177	0.147204	0.884533	0.929845	-6.48031
C14orf39	0.050621	0.086806	0.203066	0.841149	0.897537	-6.48032
RPL22	0.059367	0.221691	0.202902	0.841276	0.897623	-6.48035
SOX6	-0.0324	-0.01589	-0.20277	0.841376	0.897682	-6.48038
ZPBP2	0.021122	-0.04004	0.146664	0.884953	0.929996	-6.48039
C19orf22	-0.04849	0.472349	-0.20266	0.841463	0.897726	-6.4804
LIMS3-LOC	-0.07232	0.263361	-0.14616	0.885347	0.93026	-6.48047
FOS	-0.05854	0.230262	-0.20162	0.842265	0.898533	-6.48062
PDIA5	0.037353	0.381115	0.201279	0.842527	0.898763	-6.48069
CLDND2	-0.05889	0.251684	-0.20115	0.842627	0.89882	-6.48072
ATF5	0.04978	0.090566	0.200837	0.842868	0.899029	-6.48078
UBE2D4	-0.0404	0.295828	-0.20069	0.842983	0.899087	-6.48081
ACCN3	-0.06325	0.26157	-0.20065	0.843014	0.899087	-6.48082
AKAP2	0.058562	0.737497	0.14366	0.887292	0.931754	-6.48084
USP18	-0.12516	0.427417	-0.20019	0.843366	0.899413	-6.48091
CBX6	-0.02826	0.084615	-0.19974	0.843715	0.899687	-6.48101
RFC5	-0.04797	-0.06238	-0.19921	0.844123	0.900073	-6.48111
IFI44L	0.193068	-0.15775	0.198807	0.844434	0.900307	-6.4812
NOL9	0.076854	0.204497	0.198622	0.844577	0.900373	-6.48123
CNTNAP4	-0.0566	-0.10611	-0.19861	0.844588	0.900373	-6.48124
C15orf50	-0.05612	-0.06645	-0.1984	0.844751	0.900498	-6.48128
TNK1	0.042508	-0.06347	0.197834	0.845185	0.900841	-6.48139
GUSBP11	-0.03888	-0.04907	-0.19766	0.845317	0.900901	-6.48143
FOXRED2	-0.03304	-0.03647	-0.19761	0.845359	0.900901	-6.48144
ZNF821	0.035072	0.07829	0.197215	0.845663	0.901176	-6.48152
SMYD2	0.053317	-0.14791	0.197147	0.845715	0.901183	-6.48153
PHF6	0.06111	-0.26101	0.196971	0.845852	0.901279	-6.48157
SNRPD2	-0.07491	0.009534	-0.19679	0.845993	0.901352	-6.48161
LOC100233	0.081931	0.22802	0.196762	0.846013	0.901352	-6.48161
HUWE1	-0.04763	0.262834	-0.1967	0.846064	0.901354	-6.48163
C7orf58	-0.08106	0.141202	-0.19664	0.846107	0.901354	-6.48164
MFSD3	-0.05694	0.451216	-0.19654	0.846186	0.90139	-6.48166
LOC100507	-0.06627	-0.02002	-0.19626	0.846398	0.901567	-6.48171
CTDSP1	0.029573	-0.06965	0.196023	0.846583	0.901666	-6.48176
SERTM1	-0.02502	-0.01913	-0.13677	0.892661	0.935887	-6.48183

C14orf79	-0.0328	0.084866	-0.19564	0.84688	0.901933	-6.48184
CCDC106	0.042979	0.182347	0.19556	0.846941	0.901938	-6.48185
C20orf96	-0.0818	0.809781	-0.19548	0.847005	0.901938	-6.48187
RASAL3	0.038692	0.01689	0.195454	0.847023	0.901938	-6.48187
NDUFB8	-0.03634	-0.02252	-0.19531	0.847132	0.902005	-6.4819
KAT6B	-0.0397	0.018438	-0.19525	0.847177	0.902005	-6.48191
NGFRAP1	-0.07465	0.616991	-0.19519	0.847229	0.902011	-6.48193
MPP4	-0.05525	0.313109	-0.13607	0.893204	0.936274	-6.48193
MND1	0.06047	-0.35958	0.194953	0.847409	0.902154	-6.48197
RASGRP2	0.028351	-0.04266	0.194629	0.84766	0.902372	-6.48204
GOLM1	0.073759	0.414511	0.194569	0.847706	0.902372	-6.48205
C1orf216	-0.02035	0.059216	-0.13465	0.894311	0.936966	-6.48213
ADAM32	0.034728	-0.05557	0.193932	0.848198	0.902836	-6.48218
CD2AP	0.045113	0.136387	0.193823	0.848283	0.902838	-6.4822
RAD1	0.022861	-0.10353	0.193441	0.848577	0.903054	-6.48228
MAP1A	-0.08533	0.313775	-0.1932	0.848761	0.9032	-6.48232
ATP6V0D1	-0.04242	-0.02493	-0.19314	0.848812	0.903205	-6.48234
BARX2	-0.04893	-0.18081	-0.19258	0.84924	0.903562	-6.48245
ARMCX4	0.050768	-0.04068	0.192488	0.849314	0.903568	-6.48246
UQCRC1	-0.02525	0.052971	-0.19245	0.849347	0.903568	-6.48247
LINC00312	0.037191	-0.21567	0.192398	0.849383	0.903568	-6.48248
FARS2	0.043238	0.011306	0.192139	0.849584	0.903732	-6.48253
ZNF155	0.023954	-0.06097	0.131545	0.896737	0.938475	-6.48255
FLG	0.046968	-0.20513	0.191439	0.850125	0.904057	-6.48267
BTF3P11	0.033281	0.007338	0.191398	0.850156	0.904057	-6.48268
GBGT1	0.049818	0.268624	0.191337	0.850204	0.904057	-6.48269
ELP2	0.094945	0.098169	0.191256	0.850266	0.904065	-6.48271
SYTL5	-0.01717	0.006928	-0.12995	0.897985	0.939208	-6.48277
LINC00086	-0.03494	0.08623	-0.12952	0.898314	0.939452	-6.48282
ZBTB25	0.063023	0.241628	0.190455	0.850885	0.90467	-6.48286
NBPF3	0.038108	0.00018	0.190401	0.850927	0.90467	-6.48287
TCEA2	0.046647	0.232242	0.190221	0.851067	0.904769	-6.48291
NUAK2	0.03448	0.21994	0.190088	0.851169	0.904829	-6.48293
EPS15	-0.03959	-0.36499	-0.18947	0.851643	0.905186	-6.48305
LOC283624	-0.02165	-0.01813	-0.18932	0.851764	0.905265	-6.48308
NLRP7	0.08109	0.463393	0.189064	0.851961	0.905425	-6.48313
C2orf54	-0.0235	0.039538	-0.12713	0.900183	0.940854	-6.48314
ZNF416	0.064437	-0.08992	0.188986	0.852021	0.90544	-6.48315
ATM	-0.06335	-0.02092	-0.18889	0.852098	0.905473	-6.48317
KCNA10	0.036146	-0.09727	0.188801	0.852165	0.905494	-6.48319
TMEM209	0.050444	-0.47681	0.188687	0.852252	0.905538	-6.48321
C21orf33	-0.03668	0.064502	-0.18812	0.852689	0.905915	-6.48332
NETO1	0.052634	0.00541	0.188109	0.8527	0.905915	-6.48332
SLCO1A2	-0.02992	0.051893	-0.1878	0.852938	0.906119	-6.48338
USP54	-0.03697	0.197638	-0.18758	0.853108	0.906185	-6.48342
KIAA1683	-0.04348	0.368509	-0.18757	0.853119	0.906185	-6.48342
LOC284454	0.04536	-0.29142	0.187497	0.853173	0.906185	-6.48344

CADM2	-0.02677	-0.06069	-0.18721	0.853398	0.906324	-6.48349
RHCG	0.030358	-0.18046	0.187193	0.853408	0.906324	-6.48349
MYO3B	0.021358	0.00411	0.187024	0.853539	0.906414	-6.48353
EPCAM	-0.08713	0.077912	-0.18667	0.853814	0.906657	-6.4836
ZBTB20	0.079925	0.06061	0.186416	0.854009	0.90676	-6.48364
DCLRE1A	0.040313	-0.23209	0.123013	0.903398	0.943359	-6.48367
EPC1	0.029885	-0.26597	0.186172	0.854198	0.906819	-6.48369
BEX2	-0.09206	0.010909	-0.1859	0.85441	0.906995	-6.48374
LOC647979	0.038106	-0.17414	0.185157	0.854984	0.907505	-6.48388
ARHGAP6	0.117077	0.411078	0.185051	0.855065	0.907543	-6.4839
PRRC1	-0.04163	0.025474	-0.18485	0.855218	0.907579	-6.48394
SLC45A4	-0.0509	0.475125	-0.18483	0.855238	0.907579	-6.48395
ULK4	0.035441	-0.197	0.18472	0.855322	0.907594	-6.48397
ZNF599	0.027389	-0.03027	0.18469	0.855345	0.907594	-6.48397
NUP107	-0.04746	-0.17775	-0.18441	0.855563	0.907776	-6.48403
UPK1A	-0.03475	0.118432	-0.18379	0.856042	0.908194	-6.48414
F2R	0.026469	0.040313	0.183779	0.85605	0.908194	-6.48414
GPATCH8	0.027415	0.004867	0.118331	0.907056	0.945918	-6.48425
BTN2A1	0.04706	0.22702	0.183181	0.856513	0.908587	-6.48426
TRIM31	0.019074	0.033498	0.118206	0.907154	0.94597	-6.48427
PCK2	0.045102	0.090493	0.183001	0.856652	0.908686	-6.48429
TCAP	0.02728	0.119902	0.182648	0.856925	0.908828	-6.48436
SYN2	0.043755	-0.05622	0.11691	0.908167	0.946644	-6.48442
FAM176A	-0.02967	-0.00325	-0.18208	0.857363	0.909243	-6.48446
MGC15705	-0.05412	-0.01416	-0.18172	0.857646	0.909395	-6.48453
FAM82A2	0.047667	0.272029	0.181658	0.857692	0.909395	-6.48454
TMEM225	0.017593	0.033101	0.115703	0.90911	0.947281	-6.48457
TSPYL2	-0.01875	-0.04564	-0.18139	0.857899	0.909516	-6.48459
MAP2K1	-0.04776	-0.04759	-0.181	0.858204	0.90979	-6.48466
KIAA0247	0.042214	-0.19741	0.180675	0.858453	0.909955	-6.48472
C13orf26	0.099606	0.334709	0.180471	0.858612	0.910074	-6.48476
KIAA1274	0.044766	-0.22541	0.180333	0.858718	0.910138	-6.48479
PRKY	-0.16659	-0.67443	-0.1802	0.858818	0.910169	-6.48481
VPREB3	0.073681	0.156901	0.180175	0.858841	0.910169	-6.48482
LYG2	0.028574	-0.01781	0.113117	0.911133	0.948857	-6.48487
ZNF507	-0.06799	0.221607	-0.17863	0.86004	0.911334	-6.4851
CTSZ	-0.0612	-0.14608	-0.17858	0.860079	0.911334	-6.48511
PP2D1	-0.05032	-0.15901	-0.17801	0.860516	0.911748	-6.48521
LCE3C	-0.02801	-0.03564	-0.17773	0.860731	0.911877	-6.48526
RUVBL1	0.057007	0.274141	0.177213	0.861135	0.912195	-6.48536
GSN	-0.05261	0.192989	-0.17701	0.861294	0.912195	-6.4854
HOXA10	-0.05304	0.141385	-0.177	0.861299	0.912195	-6.4854
RGS16	0.047501	0.185977	0.176987	0.861311	0.912195	-6.4854
SHC4	0.061594	-0.08481	0.17682	0.86144	0.912282	-6.48543
NT5C3L	0.047782	-0.12137	0.176648	0.861573	0.912375	-6.48546
BICC1	0.027113	-0.05977	0.176384	0.861778	0.912542	-6.48551
STAU1	0.036649	-0.03555	0.176002	0.862074	0.912807	-6.48558

GRIK1	0.039849	-0.109	0.175904	0.86215	0.912811	-6.4856
LOC100506	-0.02082	0.043225	-0.1061	0.916623	0.952549	-6.48566
ENO3	-0.02797	0.194742	-0.17526	0.862652	0.913264	-6.48571
ANKRD28	0.03034	0.055692	0.175203	0.862693	0.913264	-6.48572
ANKRD30A	0.022584	0.079484	0.105199	0.917328	0.952919	-6.48576
GPN1	-0.03415	0.009263	-0.17498	0.862866	0.913398	-6.48576
SLC25A6	0.048424	0.082855	0.174895	0.862933	0.913419	-6.48578
MMACHC	0.030948	0.099944	0.174313	0.863384	0.913798	-6.48588
BARHL1	-0.03333	0.10921	-0.17424	0.863444	0.913812	-6.4859
PPP1R3D	-0.04206	-0.00405	-0.1741	0.86355	0.913875	-6.48592
DDX3Y	-0.10235	0.009832	-0.17361	0.863933	0.914181	-6.48601
REEP4	-0.0277	0.294761	-0.17349	0.86402	0.914203	-6.48603
KIAA1467	-0.0313	0.103661	-0.17304	0.864372	0.914396	-6.48611
TMEM156	0.062663	0.166165	0.173009	0.864395	0.914396	-6.48611
C5orf20	-0.05508	0.248242	-0.17292	0.864462	0.914396	-6.48613
MAPKAPK2	-0.02756	-0.03949	-0.17263	0.864692	0.914497	-6.48618
CDK18	0.019556	0.105243	0.172619	0.864697	0.914497	-6.48618
ASB3	-0.02349	-0.24107	-0.17254	0.864763	0.914516	-6.4862
CTRB1	0.025117	0.014468	0.101041	0.920584	0.955348	-6.4862
AOX1	0.036499	-0.30163	0.172048	0.865141	0.914832	-6.48628
TAS2R14	0.04159	-0.07375	0.17203	0.865155	0.914832	-6.48629
IFIT5	-0.08069	-0.11666	-0.17192	0.865241	0.914874	-6.48631
LOC100507	-0.03812	-0.35652	-0.10002	0.921384	0.955723	-6.48631
NUDT9P1	0.044793	-0.27962	0.170477	0.866359	0.915952	-6.48656
SGCA	-0.0425	0.113466	-0.17037	0.866439	0.915952	-6.48658
JPX	0.0401	0.028829	0.170288	0.866506	0.915965	-6.48659
TMEM133	0.065286	-0.00641	0.169947	0.86677	0.916194	-6.48665
MAGED4B	-0.05938	0.667296	-0.16961	0.867035	0.916413	-6.48671
MKI67IP	-0.05345	-0.27574	-0.16956	0.86707	0.916413	-6.48672
MKRN3	0.025919	-0.12456	0.168846	0.867625	0.916851	-6.48684
ABCB4	0.03364	0.298237	0.094585	0.925642	0.958668	-6.48685
LDLRAD3	0.015597	0.026226	0.168267	0.868074	0.917226	-6.48694
GUCY1B3	-0.07851	0.207437	-0.16805	0.868241	0.917285	-6.48698
PPP1R14C	0.055309	-0.01024	0.168046	0.868246	0.917285	-6.48698
LOC100508	-0.03528	-0.08875	-0.16801	0.86827	0.917285	-6.48699
RGS8	-0.02208	-0.03991	-0.16772	0.868497	0.917476	-6.48704
COX11	0.071248	0.089618	0.167208	0.868897	0.917848	-6.48713
C16orf58	0.039316	0.424766	0.166433	0.869498	0.918342	-6.48726
MS4A3	-0.10636	-0.27684	-0.16642	0.869505	0.918342	-6.48726
SLC43A2	0.034739	0.270484	0.165924	0.869893	0.91856	-6.48735
PPIL6	-0.01622	-0.00834	-0.16592	0.869899	0.91856	-6.48735
HTR3C	0.015665	0.07166	0.089225	0.929843	0.9619	-6.48736
C12orf23	0.07146	-0.15207	0.165551	0.870183	0.918811	-6.48741
IL36A	0.020441	-0.0652	0.165218	0.870443	0.919035	-6.48747
RPL23AP32	-0.03967	-0.09894	-0.16512	0.870522	0.919069	-6.48748
ACVR2B	-0.04477	0.274869	-0.16503	0.870585	0.919078	-6.4875
PCDHGC5	-0.03293	-0.056	-0.16498	0.870624	0.919078	-6.48751

CHRD1	0.015631	-0.31565	0.086615	0.93189	0.963763	-6.48759
C14orf177	0.014432	0.016797	0.085892	0.932458	0.964197	-6.48766
COMMD4	0.035155	-0.15413	0.164012	0.871379	0.919826	-6.48767
DGKE	0.039347	-0.19468	0.163624	0.871681	0.920052	-6.48773
FLJ44087	0.024037	-0.09817	0.163615	0.871688	0.920052	-6.48774
LOC257358	0.021836	0.205557	0.084979	0.933173	0.964734	-6.48774
ZNF652	0.050429	0.009092	0.162957	0.872199	0.920443	-6.48785
BCAR1	0.026121	-0.22787	0.162945	0.872208	0.920443	-6.48785
LOC152586	-0.04034	-0.35737	-0.1629	0.872246	0.920443	-6.48786
MYO15A	-0.04385	-0.00347	-0.16241	0.872627	0.920746	-6.48794
ZNF670	0.023052	-0.11185	0.161855	0.873055	0.921148	-6.48803
CLIC6	-0.01623	0.054311	-0.08148	0.935916	0.966397	-6.48804
SH3RF1	-0.04079	0.046637	-0.16173	0.873151	0.921199	-6.48805
RASGRP3	0.027356	0.055202	0.081125	0.936197	0.966444	-6.48807
TFEC	-0.05488	-0.03759	-0.16157	0.873275	0.921242	-6.48808
CCDC6	-0.03937	0.117529	-0.16156	0.873285	0.921242	-6.48808
FKBP2	0.025055	0.114287	0.161164	0.873592	0.921485	-6.48814
PSMG3	-0.02579	-0.12699	-0.16114	0.87361	0.921485	-6.48815
LILRA3	-0.14745	0.366761	-0.16069	0.873959	0.921754	-6.48822
ZZZ3	0.025846	-0.28317	0.079206	0.937703	0.967478	-6.48823
PRG4	0.032368	-0.01044	0.078614	0.938168	0.967803	-6.48827
CHTF18	-0.03349	0.194522	-0.16008	0.874433	0.922147	-6.48832
C3orf32	0.03035	-0.09633	0.160031	0.874472	0.922147	-6.48833
HNRNPM	0.022583	-0.01408	0.159946	0.874539	0.922167	-6.48834
LOC100506	0.022444	0.073221	0.076978	0.939451	0.968669	-6.48841
PHLDA1	0.037382	-0.02358	0.159565	0.874835	0.92243	-6.48841
EPX	-0.02802	0.014898	-0.07689	0.939524	0.968692	-6.48841
DLG5	0.017232	-0.06167	0.076672	0.939692	0.968696	-6.48843
RPL13AP17	0.037841	-0.3629	0.159308	0.875034	0.922591	-6.48845
ZFAND2B	-0.0207	0.103484	-0.15898	0.875286	0.922757	-6.4885
FOLR4	0.014435	-0.26049	0.075478	0.940629	0.969271	-6.48852
TDRD12	0.06858	0.062834	0.158814	0.875419	0.922847	-6.48853
PSORS1C2	0.03371	-0.19545	0.158595	0.875589	0.922977	-6.48857
TPTE2P2	0.0138	0.043342	0.073208	0.942411	0.970597	-6.4887
P2RX4	0.067321	0.433816	0.15773	0.876262	0.923636	-6.48871
TM2D2	0.016889	-0.32038	0.157446	0.876482	0.923808	-6.48875
DUSP7	0.01991	0.094929	0.157399	0.876519	0.923808	-6.48876
VPS37A	-0.06754	0.185111	-0.1573	0.876598	0.923841	-6.48878
FAM71A	-0.03079	0.023517	-0.15662	0.877126	0.924299	-6.48889
JAK1	-0.06062	0.555963	-0.15653	0.877192	0.924318	-6.4889
PIK3R3	-0.02034	-0.04237	-0.06797	0.946523	0.973195	-6.48908
DMBT1	-0.02745	0.002485	-0.15533	0.878127	0.925254	-6.48909
RBM20	-0.07714	0.137077	-0.15505	0.878344	0.925352	-6.48914
WWOX	0.027705	0.004886	0.154962	0.878415	0.925352	-6.48915
NCAPH	0.044745	-0.04308	0.154909	0.878456	0.925352	-6.48916
AHCTF1	-0.04155	0.048187	-0.15467	0.878644	0.9255	-6.4892
SCN2B	0.056133	0.256118	0.154566	0.878723	0.925512	-6.48921

TEAD1	0.022997	-0.08564	0.154532	0.87875	0.925512	-6.48922
APBA2	-0.0488	0.329032	-0.1544	0.878852	0.92557	-6.48924
KIAA1841	-0.06457	0.26836	-0.154	0.87916	0.925795	-6.4893
DNAJC5	0.046351	0.215488	0.153668	0.879422	0.926021	-6.48935
C1QL3	-0.02794	0.033773	-0.06372	0.949865	0.975667	-6.48937
CEP250	-0.03321	0.269288	-0.15357	0.8795	0.926053	-6.48937
TCP11L2	0.044393	-0.37063	0.153404	0.879627	0.926137	-6.4894
MATN1	-0.02188	-0.11663	-0.1531	0.879866	0.926339	-6.48944
COX1	0.057403	0.077123	0.152826	0.880077	0.926512	-6.48949
SACS	0.041159	-0.26312	0.152687	0.880185	0.926575	-6.48951
ADAMTS2C	0.00667	-0.04341	0.061079	0.951939	0.976756	-6.48953
CDK19	-0.03718	0.113595	-0.15244	0.880381	0.926731	-6.48955
XRCC2	-0.02175	-0.06162	-0.06079	0.952168	0.976845	-6.48955
WDR59	-0.022	0.101226	-0.15237	0.880432	0.926736	-6.48956
TPSAB1	0.057778	0.330289	0.152279	0.880503	0.926761	-6.48957
LOC400684	0.0359	0.32147	0.151818	0.880862	0.927053	-6.48964
SNRNP25	-0.02558	0.011489	-0.1518	0.880879	0.927053	-6.48965
PYHIN1	0.049091	0.500563	0.151492	0.881115	0.927188	-6.4897
ARHGAP36	0.027827	0.006227	0.151429	0.881165	0.927188	-6.48971
C16orf57	0.056501	0.416657	0.151392	0.881193	0.927188	-6.48971
C10orf10	0.023465	0.608624	0.057693	0.9546	0.978572	-6.48974
FNTA	-0.02511	-0.16877	-0.15091	0.881566	0.927531	-6.48979
COLEC11	-0.01993	0.09353	-0.05679	0.955309	0.978992	-6.48979
PRKAR2B	0.028609	0.115755	0.05672	0.955364	0.978997	-6.4898
HACL1	0.033398	-0.3048	0.150718	0.881718	0.927621	-6.48982
TRIB2	0.069787	-0.12055	0.150682	0.881746	0.927621	-6.48982
PP7080	-0.0675	0.30481	-0.15044	0.881931	0.927715	-6.48986
MNAT1	0.013606	0.251851	0.055387	0.956413	0.979517	-6.48988
PTTG3P	0.011937	-0.18503	0.055158	0.956593	0.97959	-6.48989
ANKRD16	-0.03955	0.146353	-0.15017	0.882146	0.927892	-6.4899
SERINC4	-0.02591	0.013627	-0.14975	0.882471	0.928134	-6.48996
MIB1	-0.03702	0.040381	-0.14952	0.882649	0.928271	-6.49
PON2	0.035883	0.121903	0.149292	0.882828	0.92841	-6.49003
COL8A1	-0.04328	-0.02099	-0.14921	0.882894	0.928429	-6.49005
KIAA1147	0.01937	-0.12299	0.049163	0.961306	0.982978	-6.49021
ARL2	0.03273	0.245976	0.147856	0.883947	0.92945	-6.49025
ZYG11A	0.021322	-0.02187	0.147792	0.883997	0.92945	-6.49026
TOB2P1	0.032795	0.111543	0.147746	0.884033	0.92945	-6.49027
WNT3	0.024128	-0.14463	0.147718	0.884054	0.92945	-6.49027
MYO5A	-0.03186	0.138778	-0.14719	0.884466	0.929833	-6.49035
GDPD1	-0.00333	-0.01667	-0.04582	0.963935	0.98469	-6.49037
RSL24D1	-0.04758	-0.38725	-0.14705	0.884572	0.929845	-6.49038
STK36	-0.04919	-0.00293	-0.14695	0.884655	0.929882	-6.49039
DNM1P46	-0.02663	-0.30022	-0.14682	0.88475	0.929932	-6.49041
RPL6	-0.04247	-0.00861	-0.14667	0.88487	0.929958	-6.49043
FKTN	-0.03412	0.07808	-0.14648	0.88502	0.930016	-6.49046
MYT1L	-0.03786	-0.02388	-0.14617	0.885262	0.93022	-6.49051

C12orf60	-0.04239	-0.03528	-0.14566	0.885657	0.930536	-6.49058
N4BP2	-0.02415	-0.17042	-0.14534	0.885905	0.930735	-6.49063
PTK2	0.047152	0.582295	0.145296	0.885942	0.930735	-6.49064
KIR3DL2	-0.05775	0.528368	-0.14523	0.885989	0.930735	-6.49065
CCNJ	0.011405	0.143799	0.039071	0.969245	0.988672	-6.49067
FRMD7	-0.01806	0.148723	-0.03852	0.969675	0.988843	-6.49069
LOC44146	0.045432	-0.14103	0.144901	0.886249	0.930958	-6.4907
RPS10	-0.05473	-0.09127	-0.14479	0.886337	0.931001	-6.49071
LOC100130	0.034264	-0.23386	0.144703	0.886404	0.931021	-6.49073
NFKB1	-0.03301	0.076001	-0.14392	0.887011	0.931558	-6.49084
LOC100130	-0.02918	0.276652	-0.14374	0.88715	0.931655	-6.49087
HSPB2	-0.00876	-0.18899	-0.03313	0.973917	0.991568	-6.49089
LOC100500	0.008465	-0.19963	0.033081	0.973957	0.991568	-6.49089
BBS12	0.013131	0.240393	0.032588	0.974346	0.991878	-6.49091
SERPINA12	0.004367	-0.21687	0.032226	0.97463	0.992047	-6.49092
NAP1L1	0.057282	0.153657	0.143269	0.887521	0.931944	-6.49094
MMRN2	-0.02639	-0.0691	-0.14315	0.887613	0.931991	-6.49096
SLC17A8	-0.00841	-0.00505	-0.14283	0.887865	0.932206	-6.491
LOC100500	-0.00498	-0.04082	-0.02871	0.977394	0.994189	-6.49103
UNC79	-0.00178	0.007541	-0.02738	0.978447	0.994974	-6.49107
CABP7	-0.02845	0.417397	-0.14236	0.888232	0.932541	-6.49107
TRH	-0.03601	0.298369	-0.14202	0.888494	0.932728	-6.49112
FAM18B2	-0.02816	0.194743	-0.14198	0.888526	0.932728	-6.49113
THBS4	0.062089	0.237842	0.141946	0.888553	0.932728	-6.49113
DOPEY1	-0.00875	0.134839	-0.0243	0.980867	0.996583	-6.49115
PTPRR	0.004158	-0.14869	0.023976	0.981123	0.996792	-6.49116
PALM2-AK	0.023826	-0.39409	0.141518	0.888886	0.933028	-6.49119
ERVK13-1	0.031621	-0.07897	0.141435	0.88895	0.933046	-6.49121
CTTNBP2	-0.00792	0.231304	-0.02158	0.983007	0.998085	-6.49121
ZNF736	0.003689	-0.05282	0.021248	0.983271	0.99825	-6.49122
DNMT3B	-0.00402	-0.07322	-0.02073	0.983682	0.998563	-6.49123
GRIP1	-0.00689	0.352026	-0.02044	0.983905	0.998682	-6.49124
ADAMDEC	-0.00275	-0.11017	-0.01985	0.984375	0.998956	-6.49125
POU5F1P4	-0.03234	0.090381	-0.14101	0.889279	0.933291	-6.49127
CRYZ	0.059579	-0.4354	0.140864	0.889396	0.933363	-6.49129
HOXC6	-0.00437	0.002053	-0.01517	0.988059	1	-6.49134
RPS10P7	0.003587	0.08308	0.014787	0.988358	1	-6.49134
AQP2	0.024935	2.06E-05	0.140335	0.889808	0.933696	-6.49137
C14orf149	0.003621	-0.06767	0.01134	0.991071	1	-6.49139
C9orf68	-0.00503	0.053408	-0.01121	0.991172	1	-6.49139
C7orf31	0.002151	0.180206	0.01052	0.991717	1	-6.4914
ZNF525	0.049091	-0.3277	0.140093	0.889997	0.933844	-6.4914
TMEM39B	0.019698	0.119595	0.139977	0.890088	0.933889	-6.49142
LIG3	-0.02059	0.081269	-0.13989	0.890154	0.933908	-6.49143
ATG9A	0.027077	0.260157	0.139783	0.890239	0.933947	-6.49145
KCNH8	0.000821	0.175718	0.001768	0.998608	1	-6.49145
LOC440900	8.74E-05	0.438847	0.000219	0.999827	1	-6.49145

RAET1K	1.29E-05	0.039626	7.19E-05	0.999943	1	-6.49145
LYPD1	0	0	0	1	1	-6.49145
DAOA-AS1	0	0	0	1	1	-6.49145
GEMIN6	-0.0393	-0.0168	-0.13945	0.8905	0.934171	-6.49149
CRY1	0.039683	-0.11755	0.138738	0.891054	0.934603	-6.49159
SMCR8	0.021542	-0.17478	0.138545	0.891205	0.934711	-6.49162
LOC100501	-0.01186	-0.02753	-0.1382	0.891472	0.934891	-6.49167
CSAG1	-0.02195	-0.07529	-0.13795	0.891665	0.935043	-6.49171
GLYATL1	0.043395	-0.382	0.137177	0.892272	0.93563	-6.49182
TAF5L	-0.0414	0.082262	-0.13658	0.892735	0.935915	-6.4919
SETD7	0.063859	0.619948	0.13596	0.893221	0.936274	-6.49199
ARHGEF25	0.037975	0.01321	0.135505	0.893576	0.936597	-6.49205
FGL2	-0.05963	0.168388	-0.13542	0.893644	0.936617	-6.49206
GLDC	-0.06265	0.521368	-0.13528	0.893754	0.936656	-6.49208
BRPF3	0.021613	-0.03041	0.135249	0.893776	0.936656	-6.49208
PTPRN	0.040907	0.349495	0.135167	0.89384	0.936673	-6.4921
SH3BGR13	0.028069	0.17569	0.134963	0.893999	0.936789	-6.49212
GLIPR2	-0.02464	0.062168	-0.13482	0.894108	0.936853	-6.49214
KCNH3	0.038486	0.277662	0.13463	0.894259	0.936961	-6.49217
POLD4	-0.02415	0.109519	-0.13421	0.894589	0.937207	-6.49223
NAPSA	0.055627	0.176062	0.134026	0.894731	0.937305	-6.49225
PRAME	-0.05703	0.086826	-0.13394	0.894798	0.937325	-6.49227
ADRA2C	-0.0274	-0.09429	-0.1338	0.894907	0.937325	-6.49228
CTSK	-0.03653	-0.04602	-0.1338	0.894908	0.937325	-6.49229
KIAA0232	0.029994	-0.25553	0.133757	0.894941	0.937325	-6.49229
NEMF	-0.02677	-0.1053	-0.13351	0.895133	0.937389	-6.49232
LOC100285	0.025988	0.440841	0.133495	0.895145	0.937389	-6.49233
C3orf22	0.021307	-0.25993	0.1332	0.895375	0.937579	-6.49237
ATF4	0.030247	0.14074	0.133026	0.895511	0.937664	-6.49239
MCAM	-0.03234	0.065338	-0.13297	0.895552	0.937664	-6.4924
TMEM85	-0.01968	-0.34525	-0.13276	0.895717	0.937786	-6.49243
ETV5	0.037577	0.042285	0.132124	0.896215	0.938208	-6.49251
CCDC88A	-0.03221	-0.17194	-0.132	0.896311	0.938258	-6.49253
SCARB1	0.027127	0.286502	0.13175	0.896507	0.938411	-6.49256
SBDS	0.02878	-0.05776	0.131691	0.896553	0.938411	-6.49257
NDUFS7	-0.02302	0.158656	-0.13148	0.89672	0.938475	-6.4926
CCDC110	0.008519	-0.0017	0.131429	0.896758	0.938475	-6.49261
ZMYND19	0.04267	0.299498	0.131325	0.896839	0.938479	-6.49262
DDX31	-0.04509	0.280355	-0.13125	0.896895	0.938479	-6.49263
SMG5	0.017813	0.423882	0.131226	0.896917	0.938479	-6.49263
NVL	-0.02988	-0.01971	-0.13118	0.896953	0.938479	-6.49264
TSG101	0.040936	0.031059	0.13076	0.89728	0.938772	-6.4927
PLCB3	-0.03227	0.421344	-0.13047	0.897508	0.938942	-6.49274
NOP2	-0.02887	0.317137	-0.13034	0.897608	0.938942	-6.49275
TRAF5	-0.04432	0.043003	-0.12995	0.897915	0.939185	-6.49281
KIAA0146	-0.02797	0.139092	-0.12954	0.898231	0.939415	-6.49286
ELAC2	0.024707	0.172822	0.129166	0.898525	0.939623	-6.49291

MIDN	0.035191	0.262495	0.128856	0.898767	0.939825	-6.49295
SELP	0.053942	0.415388	0.128459	0.899077	0.940099	-6.493
CHMP2A	0.028007	0.006666	0.128097	0.89936	0.940345	-6.49305
NEURL3	0.032008	-0.15782	0.127918	0.8995	0.940441	-6.49307
C3orf52	-0.03341	0.114674	-0.1277	0.899667	0.940565	-6.4931
LOC100506	0.040781	-0.02474	0.127483	0.89984	0.940646	-6.49313
ANP32C	0.018636	-0.13593	0.127418	0.89989	0.940648	-6.49314
ZMIZ1	-0.03802	0.08666	-0.1272	0.900065	0.94078	-6.49317
CCHCR1	0.017891	0.039252	0.126582	0.900544	0.941137	-6.49325
SLC35F2	0.029756	0.058543	0.126574	0.90055	0.941137	-6.49325
KAT2A	-0.03256	0.393977	-0.12649	0.900612	0.941152	-6.49326
C11orf80	-0.05373	0.63048	-0.12622	0.90083	0.941287	-6.4933
METRNL	0.029965	0.03646	0.126206	0.900837	0.941287	-6.4933
LDHC	-0.02251	-0.08831	-0.12555	0.901351	0.941773	-6.49338
RESP18	0.027979	-0.18193	0.124728	0.901993	0.942393	-6.49349
RHBDL2	-0.03254	-0.08872	-0.12464	0.902063	0.942416	-6.4935
CYTL1	-0.02877	0.181136	-0.12443	0.902226	0.942537	-6.49353
CITED1	-0.03065	0.031012	-0.12436	0.902276	0.942539	-6.49353
SCNM1	-0.0427	0.327363	-0.12413	0.902457	0.942677	-6.49356
NUBP2	-0.02199	0.14044	-0.12376	0.902746	0.942929	-6.49361
WDR4	0.03081	0.178569	0.123518	0.902938	0.942979	-6.49364
C19orf25	-0.01672	0.307614	-0.1227	0.903575	0.943494	-6.49375
PKD1	-0.03413	0.313646	-0.12193	0.904177	0.944072	-6.49384
TTC26	0.050787	0.369981	0.121577	0.904456	0.944262	-6.49389
HLA-B	-0.04458	0.307902	-0.12147	0.904536	0.944296	-6.4939
VENTXP1	-0.00704	-0.00422	-0.12098	0.904923	0.944649	-6.49396
SRSF3	-0.02867	-0.35411	-0.12087	0.905005	0.944684	-6.49397
C11orf67	-0.02501	-0.10104	-0.12069	0.905152	0.944737	-6.494
TRAM1	0.042555	-0.62222	0.120578	0.905236	0.94476	-6.49401
LINC00338	0.022521	-0.03068	0.120396	0.905379	0.94476	-6.49403
TNC	0.024673	-0.06318	0.120309	0.905447	0.94476	-6.49404
C1QTNF6	0.026295	0.178436	0.120289	0.905463	0.94476	-6.49405
DPY30	-0.03582	-0.49048	-0.12029	0.905464	0.94476	-6.49405
GRHL3	0.019887	0.042889	0.119645	0.905966	0.945184	-6.49413
SLC4A9	0.022149	0.044269	0.119401	0.906157	0.945332	-6.49416
FUT3	0.02132	-0.18833	0.118726	0.906684	0.945716	-6.49424
ST13	-0.02684	0.236719	-0.11866	0.906739	0.945716	-6.49425
POGLUT1	-0.02587	-0.25108	-0.11862	0.906766	0.945716	-6.49425
PADI1	-0.02243	-0.03207	-0.11829	0.90703	0.945918	-6.49429
CHST1	0.022412	0.04495	0.118024	0.907234	0.946003	-6.49432
ZCCHC18	-0.02153	0.137576	-0.11734	0.907767	0.94642	-6.49441
OAZ2	0.028832	-0.03247	0.117297	0.907803	0.94642	-6.49441
ARL15	0.015551	0.044289	0.117266	0.907827	0.94642	-6.49442
TNFRSF8	-0.02167	0.103646	-0.11686	0.908143	0.946644	-6.49446
SEC14L2	0.033087	0.180234	0.116806	0.908186	0.946644	-6.49447
PPARGC1B	-0.03298	0.384877	-0.11644	0.908475	0.946894	-6.49451
C6orf125	0.03397	0.083753	0.116364	0.908532	0.946903	-6.49452

ABHD10	0.032808	-0.46899	0.11618	0.908677	0.947003	-6.49455
KCTD6	0.026321	0.09538	0.116056	0.908773	0.947054	-6.49456
GPN2	0.017135	-0.02385	0.115577	0.909148	0.947281	-6.49462
ELOVL6	0.026365	-0.02378	0.11553	0.909185	0.947281	-6.49462
ALG5	0.023723	-0.07266	0.115372	0.909309	0.94736	-6.49464
SI	-0.01258	-0.04918	-0.11508	0.909536	0.947546	-6.49468
MCF2L-AS1	-0.05621	0.4819	-0.1149	0.909681	0.947647	-6.4947
NPW	0.03184	0.349023	0.114802	0.909754	0.947673	-6.49471
CTPS2	-0.01817	0.091845	-0.11449	0.91	0.947878	-6.49475
CCL11	-0.04665	0.262274	-0.11423	0.910203	0.948039	-6.49478
ARHGEF19	-0.02114	0.14021	-0.11358	0.91071	0.948467	-6.49485
FDXR	0.023293	0.077155	0.112723	0.911382	0.949065	-6.49495
KCTD10	-0.04746	0.363289	-0.11226	0.911745	0.949342	-6.495
SDR9C7	0.038577	-0.08282	0.111836	0.912076	0.949637	-6.49505
TRIM64	0.026978	0.096286	0.111661	0.912213	0.949697	-6.49507
RAP1GDS1	-0.02058	-0.2165	-0.11164	0.91223	0.949697	-6.49508
CLCF1	0.024086	0.256735	0.111533	0.912313	0.949732	-6.49509
SLC39A11	-0.03534	0.101098	-0.1114	0.912419	0.949792	-6.4951
MRPL46	0.021208	-0.27115	0.111161	0.912604	0.949935	-6.49513
TTC4	0.01708	-0.15538	0.11062	0.913028	0.950313	-6.49519
TRAF4	0.026557	0.286783	0.110573	0.913064	0.950313	-6.4952
OOEP	0.017591	-0.1183	0.110086	0.913446	0.950461	-6.49525
TMEM55B	-0.01059	0.013223	-0.11005	0.913471	0.950461	-6.49526
C12orf45	0.032426	0.254689	0.110048	0.913475	0.950461	-6.49526
C21orf63	0.016974	0.031543	0.110031	0.913489	0.950461	-6.49526
LOC150622	0.010988	-0.0022	0.109765	0.913697	0.950569	-6.49529
Sep-01	0.040111	0.352305	0.10972	0.913732	0.950569	-6.49529
ITGBL1	0.009052	-0.02427	0.109657	0.913781	0.950569	-6.4953
MYOZ2	0.025226	-0.04241	0.109638	0.913796	0.950569	-6.4953
LTF	-0.12242	-0.23381	-0.10909	0.914228	0.950841	-6.49537
KLHDC7B	-0.03702	0.079047	-0.10906	0.914251	0.950841	-6.49537
FNBP1L	0.026912	-0.21815	0.108691	0.914538	0.951088	-6.49541
TTC30A	-0.03188	0.03955	-0.10863	0.914589	0.951091	-6.49542
HOMER2	0.037518	0.724891	0.108435	0.914738	0.951196	-6.49544
CSTF1	0.02305	0.098709	0.108045	0.915044	0.951412	-6.49548
RNF169	0.020897	-0.16478	0.107841	0.915203	0.951528	-6.4955
C3orf62	-0.05655	0.696763	-0.1076	0.91539	0.951651	-6.49553
PLEKHA6	-0.0383	0.163819	-0.10757	0.915419	0.951651	-6.49553
ZNF518B	-0.02021	-0.2273	-0.10739	0.915557	0.951744	-6.49555
POLR2G	-0.01553	-0.03356	-0.10706	0.915818	0.951965	-6.49559
MS4A14	-0.06044	0.81533	-0.10698	0.915878	0.951976	-6.4956
ASPSCR1	-0.03445	0.490641	-0.1069	0.915942	0.951993	-6.49561
FAM181B	-0.04552	0.278977	-0.10677	0.916045	0.952026	-6.49562
TMEM14C	0.027839	-0.43824	0.106733	0.916071	0.952026	-6.49563
RNF4	-0.01576	0.152327	-0.10586	0.916757	0.952588	-6.49572
APOBEC3D	-0.02794	0.312294	-0.10557	0.916979	0.952767	-6.49575
RPL27	0.05567	-0.56977	0.105337	0.917164	0.952909	-6.49578

SSBP1	0.033346	0.169841	0.105092	0.917357	0.952919	-6.4958
PHC1	-0.05692	0.52299	-0.10508	0.917368	0.952919	-6.49581
UAP1	-0.03118	0.189997	-0.10507	0.917373	0.952919	-6.49581
RINT1	0.035312	0.013803	0.105015	0.917417	0.952919	-6.49581
C9orf43	-0.02674	-0.01465	-0.10486	0.91754	0.952997	-6.49583
TMEM106	0.027921	0.031344	0.104748	0.917626	0.953029	-6.49584
SRD5A3	-0.02745	0.011598	-0.10413	0.918107	0.95339	-6.49591
TFPT	0.013092	0.066513	0.104126	0.918114	0.95339	-6.49591
DTWD1	0.022591	0.059655	0.104004	0.918209	0.953438	-6.49592
BRCA2	0.030076	0.285984	0.103794	0.918373	0.953559	-6.49594
PDPR	-0.03257	0.520108	-0.10327	0.918781	0.953931	-6.496
HTR3A	0.024189	-0.04207	0.103134	0.918891	0.953973	-6.49601
C11orf63	-0.0213	0.089455	-0.10306	0.918948	0.953973	-6.49602
CBX2	-0.0174	-0.14085	-0.10294	0.919047	0.954005	-6.49603
FXD5	0.019298	0.23869	0.102662	0.91926	0.954176	-6.49606
NOLC1	0.035373	0.109479	0.101332	0.920303	0.955107	-6.4962
ARHGEF18	-0.02374	0.290577	-0.10086	0.92067	0.955387	-6.49625
OR10A2	-0.01672	-0.02431	-0.10044	0.920998	0.955639	-6.49629
RNASE11	-0.03101	-0.17948	-0.10043	0.921011	0.955639	-6.4963
UIMC1	-0.01135	0.086163	-0.1001	0.921265	0.955723	-6.49633
AGPHD1	0.040451	0.341684	0.100069	0.921293	0.955723	-6.49633
NMB	0.025958	0.191073	0.100027	0.921325	0.955723	-6.49634
SCNN1D	-0.02603	-0.12613	-0.09999	0.921355	0.955723	-6.49634
RELB	0.02101	0.119073	0.099968	0.921372	0.955723	-6.49634
LIPI	-0.01208	-0.02179	-0.09988	0.921444	0.955734	-6.49635
CTSL2	-0.03033	0.123143	-0.09894	0.922175	0.956391	-6.49645
METTL21C	0.013947	-0.00279	0.098693	0.922371	0.956455	-6.49647
SLC35E3	-0.01822	-0.14129	-0.09869	0.922371	0.956455	-6.49647
PRR3	-0.01384	0.205417	-0.09862	0.922427	0.956455	-6.49648
SLC8A2	0.013571	-0.01249	0.098421	0.922584	0.956538	-6.4965
SNN	-0.01929	0.520102	-0.09822	0.922739	0.956612	-6.49652
GNAZ	-0.01895	-0.2318	-0.09817	0.922779	0.956612	-6.49653
ALG3	0.018026	0.382948	0.097894	0.922997	0.956777	-6.49655
LOC100506	0.022576	-0.02253	0.097809	0.923064	0.956777	-6.49656
Sep-04	0.081953	0.678186	0.097783	0.923085	0.956777	-6.49657
CHST15	0.032622	0.0023	0.097275	0.923483	0.957089	-6.49662
DAP3	-0.01281	-0.03728	-0.09669	0.923939	0.957511	-6.49667
TBXA2R	-0.03492	0.367138	-0.09636	0.9242	0.957731	-6.49671
OR2B6	-0.02702	-0.05235	-0.09619	0.924333	0.957794	-6.49672
ABCC6	-0.02557	0.282051	-0.0961	0.924408	0.957794	-6.49673
PKD1P1	0.019163	-0.12155	0.095897	0.924564	0.957905	-6.49675
COX16	0.034683	-0.43224	0.095743	0.924684	0.957979	-6.49677
ND2	-0.0323	0.588369	-0.0956	0.924794	0.958023	-6.49678
HSD17B6	0.02187	0.178062	0.095564	0.924824	0.958023	-6.49679
FRS2	-0.01167	-0.03935	-0.0951	0.92519	0.958351	-6.49683
MC1R	-0.02341	0.288015	-0.09498	0.925286	0.9584	-6.49684
P2RX7	0.036523	0.653797	0.094783	0.925437	0.958506	-6.49686

PPIA	0.026882	0.157349	0.094287	0.925826	0.958807	-6.49691
C3orf35	-0.02232	0.122967	-0.0934	0.926523	0.959336	-6.497
LOC100501	0.030007	-0.12751	0.093386	0.926532	0.959336	-6.497
HNRNPH3	-0.02799	-0.13637	-0.0929	0.926913	0.95968	-6.49704
LAT	-0.03059	0.414682	-0.09276	0.927025	0.959745	-6.49706
MIF4GD	0.016492	0.13276	0.092429	0.927283	0.959961	-6.49709
MUM1	0.017546	0.356585	0.091864	0.927726	0.960369	-6.49714
CDKN1A	-0.02432	0.535203	-0.09167	0.927882	0.96048	-6.49716
PLG	0.01965	0.050214	0.09104	0.928372	0.960886	-6.49722
RXRA	-0.03131	0.277281	-0.09091	0.928471	0.960938	-6.49723
SRSF7	0.019364	-0.16724	0.090588	0.928727	0.961151	-6.49726
NCAPH2	-0.0277	0.315302	-0.09052	0.928782	0.961157	-6.49727
DKFZP586I	-0.01757	-0.13855	-0.09018	0.929047	0.961381	-6.4973
CPNE7	0.015999	0.083277	0.089757	0.929379	0.961572	-6.49734
RFWD3	-0.03192	0.177209	-0.08943	0.929632	0.961783	-6.49737
PKD2	0.022558	0.200904	0.089266	0.929765	0.96187	-6.49738
WHAMM	0.018276	0.044129	0.088707	0.930203	0.962221	-6.49743
LRRC56	-0.03167	0.45817	-0.08849	0.930373	0.962346	-6.49745
NAE1	-0.02342	-0.30414	-0.08757	0.931095	0.962991	-6.49754
FANCC	-0.02253	0.042828	-0.08618	0.932188	0.96402	-6.49766
NDP	0.017191	-0.00602	0.085904	0.932402	0.964191	-6.49769
LOC100270	0.017068	-0.03287	0.085632	0.932616	0.96431	-6.49771
PAPD7	-0.01806	0.198401	-0.08555	0.93268	0.964326	-6.49772
PRSS50	0.051797	0.736093	0.085466	0.932746	0.964343	-6.49772
ITPR3	0.026588	0.302383	0.084724	0.933329	0.964844	-6.49779
GAL3ST4	0.014293	0.159471	0.084486	0.933516	0.964927	-6.49781
C10orf107	0.026522	0.155017	0.084457	0.933538	0.964927	-6.49781
PPP1R21	0.023884	-0.45384	0.084384	0.933596	0.964927	-6.49782
BMP10	-0.01537	0.02187	-0.08428	0.933674	0.964927	-6.49783
GPAT2	0.022577	0.032594	0.08426	0.933693	0.964927	-6.49783
LOC155060	0.028976	0.37463	0.08421	0.933732	0.964927	-6.49783
LOC375291	-0.00668	0.022372	-0.08404	0.933866	0.964992	-6.49785
MYO18B	-0.01335	-0.04814	-0.08386	0.934004	0.965079	-6.49786
GNG7	0.023892	0.50007	0.083806	0.934049	0.965079	-6.49787
CBY1	-0.01665	0.065616	-0.08354	0.934259	0.965245	-6.49789
PPAP2A	0.025315	-0.12996	0.082945	0.934726	0.965676	-6.49794
CEP68	-0.02077	-0.02837	-0.08265	0.934957	0.965864	-6.49797
FAM50B	-0.02045	0.12837	-0.08251	0.935066	0.965887	-6.49798
CRAMP1L	-0.02486	0.094055	-0.0825	0.935078	0.965887	-6.49798
ZC3H4	-0.01705	0.099951	-0.08232	0.935218	0.965981	-6.498
LINC00477	-0.01986	0.140167	-0.08218	0.935329	0.966045	-6.49801
CRYGD	0.022746	0.127249	0.081923	0.935528	0.96615	-6.49803
IFIT2	0.058931	0.164995	0.081921	0.935529	0.96615	-6.49803
PARP2	-0.02433	0.18451	-0.08181	0.935617	0.966189	-6.49804
PRKAG2	-0.02793	0.543166	-0.08172	0.935691	0.966214	-6.49805
AP4S1	0.013939	0.06099	0.081007	0.936247	0.966444	-6.49811
GAB2	0.022179	0.115911	0.080908	0.936325	0.966444	-6.49811

POLR3C	-0.02778	0.315733	-0.0809	0.936332	0.966444	-6.49811
EPHA7	-0.02092	-0.0428	-0.08087	0.936357	0.966444	-6.49812
MRPS14	-0.02058	-0.22083	-0.08056	0.936595	0.966618	-6.49814
PLA2G4C	0.024329	0.310103	0.080527	0.936624	0.966618	-6.49815
TNFRSF10C	-0.01925	0.055229	-0.08041	0.936716	0.966662	-6.49815
TARBP1	-0.0271	0.05449	-0.08029	0.936808	0.966706	-6.49816
ARIH2	-0.01164	0.002492	-0.07973	0.937249	0.967111	-6.49821
NUP98	-0.02361	0.299002	-0.07915	0.937704	0.967478	-6.49826
DHODH	-0.02637	0.235406	-0.07885	0.937943	0.967671	-6.49828
POLR2D	0.014028	0.029621	0.078787	0.93799	0.967671	-6.49829
LOC100506	0.016442	0.10135	0.077933	0.938661	0.968261	-6.49836
GDF3	-0.01265	-0.16637	-0.0777	0.938841	0.968386	-6.49837
PROS1	-0.04397	0.44747	-0.07761	0.938918	0.968386	-6.49838
SEC31A	-0.01989	0.243326	-0.07758	0.938936	0.968386	-6.49838
LENG9	-0.01386	-0.02368	-0.07753	0.938979	0.968386	-6.49839
ZBTB9	-0.0178	0.286766	-0.07736	0.939108	0.968428	-6.4984
RIBC1	0.013434	0.046573	0.077349	0.939119	0.968428	-6.4984
UBE2MP1	-0.01423	0.14725	-0.07708	0.939331	0.968596	-6.49842
BCKDHB	-0.01956	-0.02326	-0.07673	0.939607	0.968696	-6.49845
ZNF853	-0.02681	0.679287	-0.07667	0.939649	0.968696	-6.49846
NEFH	0.019516	0.237621	0.076578	0.939725	0.968696	-6.49846
FAM78A	-0.01287	0.324292	-0.07629	0.939952	0.96884	-6.49849
MGC3771	-0.02703	0.166629	-0.07615	0.940062	0.96884	-6.4985
PWWP2A	0.022446	0.045725	0.076149	0.940062	0.96884	-6.4985
GP6	-0.0265	0.303585	-0.07583	0.94031	0.969044	-6.49852
LOC100129	0.022835	0.440253	0.07577	0.94036	0.969044	-6.49853
ANKRD24	-0.01816	0.33711	-0.07525	0.94077	0.969359	-6.49857
NDST1	-0.01862	0.328625	-0.07519	0.940813	0.969359	-6.49857
CCDC86	0.019944	0.225979	0.074938	0.941014	0.969515	-6.49859
ATP6V1B2	-0.02758	-0.17691	-0.07467	0.941228	0.969684	-6.49861
ACTN4	-0.01908	0.383902	-0.07411	0.941667	0.970085	-6.49865
SYT2	-0.01028	-0.01246	-0.07392	0.941817	0.970169	-6.49867
GOT1	-0.01401	0.105164	-0.07388	0.941847	0.970169	-6.49867
MUC20	-0.01536	-0.025	-0.07308	0.942477	0.970597	-6.49873
FLJ32955	-0.01266	-0.13877	-0.07304	0.942508	0.970597	-6.49874
UTS2	0.06351	-0.42806	0.072978	0.942553	0.970597	-6.49874
SLC26A1	0.020742	0.631242	0.072929	0.942592	0.970597	-6.49874
CHRNA1	0.013372	0.003126	0.072925	0.942595	0.970597	-6.49874
POP1	0.014761	0.179041	0.072905	0.942611	0.970597	-6.49875
CACNA1D	-0.02543	0.282803	-0.07281	0.942687	0.970597	-6.49875
DOCK1	0.020449	0.079452	0.072781	0.942708	0.970597	-6.49875
HLA-F	0.012742	0.070667	0.072545	0.942894	0.970737	-6.49877
CLTCL1	-0.02609	0.227143	-0.07197	0.943348	0.971083	-6.49882
C11orf46	-0.00968	0.001937	-0.07193	0.943378	0.971083	-6.49882
FLJ37035	-0.01313	0.068768	-0.07176	0.943512	0.971169	-6.49883
CDH10	-0.00929	-0.17747	-0.0716	0.943636	0.971243	-6.49884
DDX21	-0.01607	-0.02575	-0.07154	0.943683	0.971243	-6.49885

ATPAF2	-0.0121	-0.00436	-0.07114	0.943995	0.971462	-6.49888
BNIP1	-0.01571	-0.04101	-0.07023	0.944716	0.972136	-6.49894
GPD1	-0.01608	-0.1204	-0.07006	0.944843	0.972136	-6.49895
PELI1	0.026743	-0.44135	0.07004	0.944862	0.972136	-6.49896
TUT1	0.023768	0.448711	0.069994	0.944898	0.972136	-6.49896
PP12719	-0.01883	0.054542	-0.0699	0.94497	0.972159	-6.49897
SEC63	0.014723	-0.09611	0.069775	0.94507	0.972161	-6.49897
LGALS9C	-0.01465	0.259387	-0.06977	0.945071	0.972161	-6.49897
TRAF3IP2	0.022838	0.465915	0.069229	0.9455	0.972551	-6.49901
CRNN	0.014317	-0.16967	0.069151	0.945561	0.972562	-6.49902
BIRC6	-0.01674	0.080987	-0.06907	0.945623	0.972575	-6.49902
RSPH6A	-0.01383	0.002142	-0.06857	0.946019	0.972919	-6.49906
GPSM1	-0.02561	0.42042	-0.06831	0.946221	0.973037	-6.49908
BEND7	0.022799	0.013287	0.068118	0.946372	0.973142	-6.49909
LOC64338	-0.00818	0.000536	-0.06796	0.946497	0.973195	-6.4991
FANCG	-0.01277	0.192091	-0.06768	0.946713	0.973339	-6.49912
GHRLOS2	0.012395	0.201834	0.067377	0.946955	0.973537	-6.49914
TAAR6	0.028572	0.212055	0.067101	0.947172	0.973657	-6.49916
GALM	0.02248	0.328579	0.067029	0.947228	0.973664	-6.49917
GCDH	0.010269	0.108133	0.066966	0.947278	0.973664	-6.49917
MYLK2	0.012253	-0.12748	0.066668	0.947512	0.973854	-6.49919
CCDC64B	0.040104	0.306707	0.066295	0.947805	0.974104	-6.49922
ZNF319	-0.00372	0.000744	-0.06581	0.948188	0.974436	-6.49925
PATE1	0.01431	-0.11648	0.065758	0.948228	0.974436	-6.49925
C3orf25	-0.01269	0.203383	-0.06553	0.948405	0.974567	-6.49927
CLDN14	0.01018	-0.13266	0.065069	0.948769	0.974891	-6.4993
SAA1	-0.02186	-0.13197	-0.064	0.949606	0.975648	-6.49937
STOX1	-0.03136	-0.04509	-0.06387	0.949711	0.975667	-6.49938
OR2V2	-0.00752	-0.06427	-0.06376	0.9498	0.975667	-6.49939
ZNF628	-0.01422	0.249758	-0.06368	0.949858	0.975667	-6.49939
AHCYL2	-0.01659	0.255191	-0.06366	0.949874	0.975667	-6.49939
MKRN2	0.02584	-0.12981	0.063585	0.949936	0.97568	-6.4994
HEATR3	0.012098	-0.31308	0.063261	0.950191	0.97589	-6.49942
CLASP2	-0.01537	-0.23222	-0.06285	0.950511	0.976168	-6.49945
GANAB	0.011449	0.171737	0.062787	0.950564	0.976171	-6.49945
CXorf41	0.003593	-0.00435	0.062539	0.950759	0.97632	-6.49947
PEX3	0.029436	0.00226	0.062271	0.950969	0.976437	-6.49948
SSTR1	-0.01406	-0.03437	-0.06226	0.950979	0.976437	-6.49948
GPA33	-0.03275	0.39073	-0.0621	0.951105	0.976437	-6.49949
FBXL13	-0.01936	0.324479	-0.06208	0.951122	0.976437	-6.4995
PAX8	0.013836	0.006442	0.061942	0.951228	0.976495	-6.4995
CHST11	0.015621	0.180804	0.061756	0.951374	0.976547	-6.49952
TAS2R45	0.026683	0.136388	0.061251	0.951771	0.976756	-6.49955
CGN	0.009158	-0.18002	0.061174	0.951832	0.976756	-6.49955
FABP4	-0.01977	0.068566	-0.06104	0.951937	0.976756	-6.49956
WDR31	-0.0216	0.218474	-0.06101	0.951958	0.976756	-6.49956
C5orf38	-0.00762	0.197033	-0.06101	0.951963	0.976756	-6.49956

MAP2K4	0.012533	-0.10583	0.060969	0.951993	0.976756	-6.49957
LYST	0.019733	-0.40934	0.060922	0.95203	0.976756	-6.49957
FBXW8	-0.02462	0.530433	-0.06068	0.952217	0.976845	-6.49958
HELZ	0.015051	-0.02868	0.06058	0.952299	0.976878	-6.49959
ABHD4	-0.01038	0.360647	-0.0605	0.952365	0.976894	-6.4996
CXCR2P1	0.021119	0.516668	0.060213	0.952588	0.977072	-6.49961
SHF	0.010806	0.257047	0.060092	0.952683	0.977088	-6.49962
SLC39A14	-0.01717	0.094643	-0.06007	0.952703	0.977088	-6.49962
CSTB	-0.01134	0.103097	-0.05955	0.953112	0.977363	-6.49965
RASL12	0.018236	0.156936	0.059535	0.953121	0.977363	-6.49965
HTRA3	0.036215	0.373604	0.059389	0.953236	0.97743	-6.49966
OR4C15	0.01078	-0.17495	0.059264	0.953334	0.977479	-6.49967
LOC151174	-0.01561	0.208333	-0.05859	0.953862	0.97797	-6.49971
TTLL12	-0.03324	-0.48826	-0.05798	0.954342	0.97841	-6.49975
KRT2	-0.02315	0.28771	-0.05788	0.954426	0.978445	-6.49975
FASTKD1	-0.02	0.238085	-0.05746	0.954754	0.978679	-6.49978
C3orf30	0.017342	0.009801	0.057154	0.954993	0.978873	-6.4998
RPL21P44	0.021543	-0.28712	0.057029	0.955091	0.978923	-6.4998
POLR3A	0.008988	0.016728	0.056913	0.955183	0.978923	-6.49981
PPAPDC2	0.01882	0.04103	0.056902	0.955192	0.978923	-6.49981
TPRXL	0.012873	-0.06115	0.056556	0.955464	0.979016	-6.49983
ADCY6	-0.03222	0.54825	-0.05653	0.955482	0.979016	-6.49983
DDX49	-0.01195	0.294146	-0.05605	0.955861	0.979272	-6.49986
CLPP	0.010544	0.071688	0.05596	0.955933	0.979272	-6.49987
XPO4	-0.01032	-0.00751	-0.05569	0.956141	0.979391	-6.49988
ZNF181	0.011477	0.003508	0.055686	0.956148	0.979391	-6.49988
VCX2	-0.02688	0.340905	-0.05562	0.956199	0.979391	-6.49989
C7orf40	0.013322	-0.02133	0.055338	0.956422	0.979517	-6.4999
NARS2	-0.01387	-0.03246	-0.05491	0.956755	0.979703	-6.49993
ZNF268	-0.0166	-0.56396	-0.05485	0.956803	0.979703	-6.49993
MLLT3	0.018851	0.094721	0.05459	0.957011	0.979865	-6.49994
ENPP4	0.011461	-0.38866	0.05437	0.957183	0.979944	-6.49996
CAT	-0.02189	-0.23038	-0.05436	0.957189	0.979944	-6.49996
NFKBIE	-0.01154	0.317711	-0.05417	0.957343	0.980051	-6.49997
GNRH1	0.01235	0.045752	0.053861	0.957584	0.980246	-6.49999
DDIT3	-0.01612	0.073769	-0.05369	0.957722	0.9803	-6.49999
ELK4	-0.01653	-0.18282	-0.05366	0.95774	0.9803	-6.5
RNF43	-0.01539	0.347328	-0.05357	0.957809	0.9803	-6.5
PCNP	-0.01905	-0.41758	-0.05354	0.957837	0.9803	-6.5
CCT6B	0.015616	-0.18439	0.053266	0.958052	0.98047	-6.50002
LOC153546	-0.01156	-0.01895	-0.05286	0.95837	0.980705	-6.50004
ZNF287	-0.00902	-0.07162	-0.05285	0.958382	0.980705	-6.50004
SAFB2	0.007012	0.103279	0.052453	0.958691	0.98097	-6.50006
FGD2	0.014324	0.249771	0.052014	0.959037	0.981221	-6.50009
LOC100506	-0.01161	-0.06447	-0.05161	0.959351	0.981491	-6.50011
ITIH6	0.011408	-0.0632	0.051158	0.959711	0.981808	-6.50013
GAS2L1	0.023042	0.760247	0.050766	0.960019	0.982072	-6.50015

TRNP1	-0.0105	0.069187	-0.04948	0.961034	0.982926	-6.50022
MATN3	-0.00441	-0.00265	-0.04947	0.96104	0.982926	-6.50022
GDF10	-0.01059	0.031194	-0.04945	0.961054	0.982926	-6.50022
LOC284648	0.018641	0.161634	0.049258	0.961206	0.98297	-6.50023
PLK2	0.008213	0.087382	0.048938	0.961457	0.983082	-6.50024
GUCA1B	0.010372	0.106695	0.048833	0.96154	0.983115	-6.50025
ATPIF1	-0.0111	-0.18013	-0.04869	0.961654	0.983128	-6.50026
TSSK4	-0.00814	0.014436	-0.04862	0.961704	0.983129	-6.50026
PPP1R10	0.011723	0.197928	0.048552	0.961761	0.983135	-6.50026
LOC645245	-0.01668	-0.21653	-0.04812	0.962104	0.983435	-6.50029
PHB	0.010914	-0.11316	0.04804	0.962164	0.983445	-6.50029
ENPEP	0.004496	-0.0009	0.047832	0.962328	0.983561	-6.5003
BEX4	-0.01395	0.205287	-0.04712	0.962888	0.984073	-6.50033
OLFML1	0.008546	-0.22185	0.047068	0.962929	0.984073	-6.50034
TP53	0.011979	0.59588	0.046837	0.963111	0.984208	-6.50035
PABPC5	0.00525	0.025041	0.04674	0.963187	0.984224	-6.50035
ANGPT1	-0.00308	0.008645	-0.04669	0.963227	0.984224	-6.50036
AMFR	0.008288	0.054759	0.046424	0.963436	0.984334	-6.50037
GATM	-0.02061	-0.12596	-0.04587	0.963875	0.98468	-6.50039
MTOR	-0.00879	-0.10573	-0.04563	0.964059	0.984766	-6.50041
C17orf39	-0.00884	0.124707	-0.04554	0.964134	0.984791	-6.50041
TIE1	-0.01927	0.66145	-0.04498	0.964575	0.985088	-6.50044
ASAP2	-0.00464	0.000928	-0.04471	0.964782	0.985196	-6.50045
CCDC121	-0.01171	0.181235	-0.04426	0.965135	0.985505	-6.50047
AAAS	0.006984	0.156444	0.043852	0.96546	0.985785	-6.50049
CYTH3	0.011326	0.382921	0.043602	0.965657	0.985884	-6.5005
RNF157	0.015307	-0.00289	0.043508	0.965731	0.985908	-6.5005
BOD1L	-0.01809	0.392325	-0.04334	0.96586	0.985989	-6.50051
RNF5	-0.0071	0.161456	-0.04295	0.966168	0.986252	-6.50053
BMPR1A	0.009781	0.007366	0.042751	0.966327	0.986362	-6.50054
LEF1	-0.02311	0.582361	-0.04214	0.96681	0.986804	-6.50056
C5orf52	-0.01049	-0.213	-0.04117	0.967574	0.98748	-6.5006
C1orf226	0.005748	-0.07631	0.040934	0.967757	0.98758	-6.50061
PF4V1	0.022186	0.251293	0.040915	0.967772	0.98758	-6.50062
C19orf66	-0.00881	0.20664	-0.04044	0.968148	0.987912	-6.50064
SARS2	0.009723	0.352547	0.040056	0.968448	0.988167	-6.50065
FAM111B	-0.00348	-0.00315	-0.0396	0.96881	0.988485	-6.50067
CDK2AP1	-0.01231	0.254104	-0.0395	0.968884	0.988509	-6.50067
HSPB3	-0.00994	-0.11489	-0.03916	0.969151	0.988672	-6.50069
MYOCD	-0.00478	-0.06365	-0.03898	0.969294	0.988672	-6.50069
MCFD2	-0.01003	-0.08432	-0.03898	0.969296	0.988672	-6.50069
RSAD2	-0.04365	0.179412	-0.03874	0.969484	0.988785	-6.5007
RAB12	0.011282	0.150659	0.038615	0.969583	0.98881	-6.50071
LOC100655	-0.00734	-0.16347	-0.03845	0.969716	0.988843	-6.50072
RCBTB1	0.012302	0.034615	0.037978	0.970084	0.989163	-6.50073
CCDC72	-0.01352	-0.49303	-0.03792	0.970131	0.989163	-6.50074
MKRN9P	0.007494	-0.23852	0.037698	0.970305	0.989289	-6.50074

ZNF669	0.002631	0.01567	0.037547	0.970423	0.989358	-6.50075
ZBTB3	-0.00811	-0.3499	-0.03743	0.970519	0.989404	-6.50076
MBLAC1	-0.00839	0.08761	-0.03723	0.970669	0.989481	-6.50076
TMEM89	0.007003	-0.01335	0.037148	0.970738	0.989481	-6.50077
SPHK2	-0.00637	0.089149	-0.03714	0.970746	0.989481	-6.50077
SETD3	0.011909	-0.005	0.037038	0.970824	0.98951	-6.50077
AMH	-0.00743	-0.05944	-0.03683	0.970991	0.989628	-6.50078
SHOX2	0.006543	-0.17143	0.036037	0.971612	0.99021	-6.50081
ASAP3	0.006331	0.303564	0.035717	0.971865	0.990326	-6.50082
ITGB1	-0.01465	-0.13207	-0.0357	0.971874	0.990326	-6.50082
TEAD2	0.005463	0.200936	0.0357	0.971878	0.990326	-6.50082
OXGR1	-0.00688	-0.00484	-0.03563	0.97193	0.990328	-6.50082
ATP6V1C2	0.007447	0.362148	0.035334	0.972166	0.990467	-6.50083
CHPT1	0.016358	-0.24844	0.035311	0.972184	0.990467	-6.50083
FAM95B1	0.00788	-0.11971	0.035267	0.972218	0.990467	-6.50084
TCEB2	-0.00547	0.180544	-0.03513	0.972327	0.990526	-6.50084
TTC28	0.014108	0.020862	0.034712	0.972656	0.990743	-6.50086
SHMT1	-0.01289	0.11424	-0.03467	0.972692	0.990743	-6.50086
ZNF175	0.010598	-0.07798	0.034462	0.972853	0.990839	-6.50086
DNAJC5B	-0.01035	0.045126	-0.03442	0.972887	0.990839	-6.50087
LOC100137	-0.00929	-0.12295	-0.03386	0.973323	0.991231	-6.50089
RPL17	-0.01647	-0.83169	-0.03348	0.973629	0.991439	-6.5009
ZW10	0.005382	-0.30103	0.033279	0.973784	0.991546	-6.50091
LTBP2	0.005174	-0.01294	0.033123	0.973907	0.991568	-6.50091
GHR	-0.00937	-0.14006	-0.03249	0.974409	0.991878	-6.50093
OXNAD1	-0.01098	-0.07733	-0.03248	0.974414	0.991878	-6.50093
RPP21	0.00653	0.165819	0.032045	0.974756	0.992123	-6.50095
PRAF2	-0.00449	0.11487	-0.03138	0.975281	0.992555	-6.50097
RNF183	0.007721	-0.08328	0.031068	0.975525	0.992752	-6.50098
DET1	-0.00981	-0.02104	-0.03058	0.975909	0.993046	-6.50099
SUMO1	0.007589	0.141592	0.030573	0.975916	0.993046	-6.50099
RHEBL1	-0.00507	-0.05144	-0.03039	0.976057	0.993138	-6.501
OR7E14P	-0.00614	-0.20891	-0.03016	0.976238	0.993271	-6.50101
LOC100507	0.009972	0.304531	0.029857	0.976479	0.993465	-6.50102
ABCC9	0.006942	-0.08103	0.029458	0.976793	0.993733	-6.50103
PCP2	-0.00644	0.125919	-0.02931	0.976913	0.993803	-6.50103
LOC728765	-0.00834	-0.00848	-0.02882	0.977295	0.994139	-6.50105
PCDHB13	-0.01128	-0.06449	-0.02821	0.977779	0.994529	-6.50107
RIMS3	0.006178	0.119128	0.027898	0.978022	0.994673	-6.50108
LSMD1	0.005869	-0.19732	0.027264	0.978522	0.994974	-6.50109
NDUFA13	-0.00491	0.027066	-0.02694	0.978775	0.99518	-6.5011
UTRN	-0.0049	0.084664	-0.0268	0.978887	0.995242	-6.50111
STRBP	0.01027	0.258963	0.026609	0.979037	0.995307	-6.50111
IFT122	0.004503	0.181301	0.026589	0.979053	0.995307	-6.50111
MRPL10	0.004018	-0.07857	0.026456	0.979157	0.995362	-6.50112
C21orf2	-0.00612	0.237932	-0.02622	0.979347	0.995454	-6.50112
TRIM68	0.00564	-0.04427	0.026198	0.979361	0.995454	-6.50112

WDR3	0.011282	0.442075	0.026148	0.9794	0.995454	-6.50112
TTLL6	0.004975	0.01597	0.025807	0.979669	0.995676	-6.50113
GLP2R	-0.00505	-0.12316	-0.02554	0.979876	0.995835	-6.50114
GRIA2	0.001704	0.020991	0.024846	0.980426	0.996341	-6.50116
CACNA1B	0.005506	-0.13658	0.024458	0.980731	0.996583	-6.50117
MLH3	0.010637	0.331305	0.024314	0.980845	0.996583	-6.50117
SLC7A6OS	0.007522	0.232251	0.024287	0.980866	0.996583	-6.50117
TSGA13	-0.008	-0.10507	-0.02377	0.981271	0.99682	-6.50118
CCDC85B	0.005646	0.015936	0.023744	0.981294	0.99682	-6.50119
NDUFA2	-0.00477	-0.03149	-0.02373	0.981304	0.99682	-6.50119
GAMT	0.007446	0.167534	0.023455	0.981521	0.996989	-6.50119
BLMH	0.004794	0.165364	0.023309	0.981636	0.997052	-6.5012
DHPS	0.00337	0.113901	0.023248	0.981684	0.997052	-6.5012
FLJ33630	-0.00833	0.074079	-0.02316	0.981757	0.997074	-6.5012
MAGEA11	0.004944	-0.11163	0.022405	0.982349	0.997611	-6.50122
SIRT2	-0.0028	0.184009	-0.02235	0.982388	0.997611	-6.50122
LOC44105	0.006875	0.118772	0.021842	0.982792	0.99797	-6.50123
RBM28	-0.00336	0.197451	-0.02166	0.982934	0.998063	-6.50123
TMEM161	-0.00521	0.432739	-0.0214	0.98314	0.998168	-6.50124
RRN3	-0.00755	0.115144	-0.02075	0.983652	0.998563	-6.50125
DDX1	-0.0039	-0.2051	-0.02047	0.983869	0.998682	-6.50126
RPGRIP1L	0.006295	-0.0877	0.02037	0.983952	0.998682	-6.50126
UBIAD1	-0.00479	0.208367	-0.02028	0.984021	0.9987	-6.50126
GTF3C5	-0.00248	-0.00697	-0.01997	0.984265	0.998896	-6.50127
ZNF497	-0.00307	-0.06525	-0.01959	0.984565	0.999097	-6.50128
IRF5	-0.0098	0.244507	-0.01937	0.984738	0.999205	-6.50128
TOMM22	0.003495	-0.13017	0.019318	0.98478	0.999205	-6.50128
RHBDF1	-0.0034	0.09893	-0.01926	0.984824	0.999205	-6.50128
C20orf194	0.006929	0.207956	0.019017	0.985017	0.999349	-6.50129
ZMYND12	0.00321	0.115105	0.018637	0.985317	0.999601	-6.5013
MAK16	0.004779	-0.15269	0.018377	0.985522	0.999705	-6.5013
SUSD1	0.003381	-0.03797	0.017797	0.985978	1	-6.50131
PIAS3	-0.00196	-0.00879	-0.01779	0.985981	1	-6.50131
CECR5	0.00329	0.015475	0.017531	0.986188	1	-6.50132
ABL1	-0.00399	0.120564	-0.0172	0.986452	1	-6.50132
EFR3A	0.003402	-0.4959	0.017018	0.986592	1	-6.50133
LAMA1	0.005131	0.114429	0.016926	0.986665	1	-6.50133
DUT	-0.00551	-0.01538	-0.0169	0.986685	1	-6.50133
MED10	0.003034	-0.11031	0.016666	0.986869	1	-6.50133
ANXA9	-0.00493	0.055688	-0.0163	0.987155	1	-6.50134
C19orf56	-0.00259	0.150751	-0.01539	0.987875	1	-6.50135
C17orf81	-0.00538	-0.17249	-0.01532	0.987927	1	-6.50135
TRIM3	0.005718	0.802341	0.015248	0.987986	1	-6.50136
FAM129B	-0.00439	0.248073	-0.01507	0.98813	1	-6.50136
KCNMB2	-0.00433	-0.16199	-0.01487	0.988282	1	-6.50136
HPGDS	-0.00166	-0.1174	-0.01483	0.988318	1	-6.50136
RBM24	-0.00162	-0.03703	-0.01447	0.988601	1	-6.50137

FANCB	0.002329	-0.25186	0.013669	0.98923	1	-6.50138
DOCK7	-0.00512	-0.01656	-0.0135	0.989364	1	-6.50138
PRICKLE4	-0.00204	-0.03012	-0.01318	0.989619	1	-6.50139
PARS2	0.001676	0.216102	0.012245	0.990352	1	-6.5014
SLC4A7	-0.00362	0.193028	-0.01222	0.990372	1	-6.5014
D2HGDH	-0.0021	-0.0427	-0.01155	0.9909	1	-6.50141
HES6	-0.00422	0.178646	-0.01144	0.990987	1	-6.50141
GPR3	-0.002	-0.16827	-0.01122	0.991163	1	-6.50141
CARD10	0.001692	-0.20657	0.010938	0.991382	1	-6.50141
PMP2	0.002304	-0.13405	0.010815	0.991479	1	-6.50141
BICD2	0.003396	0.387974	0.010694	0.991575	1	-6.50142
THUMPD2	-0.00277	0.101339	-0.01069	0.991576	1	-6.50142
REXO2	0.00243	0.154043	0.010619	0.991634	1	-6.50142
PRMT6	-0.00339	-0.21957	-0.01047	0.991747	1	-6.50142
LOC100506	0.003115	-0.1384	0.010304	0.991881	1	-6.50142
IER3IP1	-0.00247	0.014408	-0.01024	0.991935	1	-6.50142
REV3L	0.001772	-0.23919	0.009995	0.992125	1	-6.50142
DENND4A	0.001912	-0.24738	0.009951	0.99216	1	-6.50142
CLTB	-0.00235	0.210786	-0.00987	0.992223	1	-6.50142
YBX1	-0.00289	0.117009	-0.00974	0.992328	1	-6.50143
MAPK1IP1	0.005011	0.503952	0.009713	0.992347	1	-6.50143
LOC375196	-0.00385	0.318154	-0.00957	0.992459	1	-6.50143
KIAA1549	-0.0017	0.005358	-0.00947	0.992538	1	-6.50143
PFKP	0.002435	0.112786	0.009415	0.992582	1	-6.50143
TRMT5	-0.00241	-0.01826	-0.00932	0.99266	1	-6.50143
LCE3B	0.001407	-0.16854	0.009094	0.992835	1	-6.50143
ASXL3	0.000501	-0.0001	0.008857	0.993022	1	-6.50143
LOC100655	0.004087	-0.35169	0.008786	0.993077	1	-6.50144
AQP1	-0.00431	0.152974	-0.00848	0.99332	1	-6.50144
PODXL2	0.003913	0.319938	0.008456	0.993338	1	-6.50144
MESDC1	-0.00106	-0.14451	-0.00716	0.994358	1	-6.50145
ARMCX6	-0.00118	0.112694	-0.00709	0.994414	1	-6.50145
ABCE1	0.00222	-0.44965	0.00705	0.994445	1	-6.50145
UPF1	-0.00193	0.25604	-0.00679	0.994654	1	-6.50145
LILRB5	0.001478	0.060959	0.006724	0.994702	1	-6.50145
FAM50A	-0.00072	0.062795	-0.00656	0.994833	1	-6.50145
NOP58	0.001598	0.136734	0.00648	0.994894	1	-6.50145
NUBP1	0.001162	0.134966	0.00615	0.995154	1	-6.50146
PCSK6	0.002253	0.608477	0.004588	0.996385	1	-6.50146
SUN5	-0.00113	-0.0434	-0.00454	0.996425	1	-6.50146
NME9	-0.00204	0.21412	-0.00411	0.996764	1	-6.50147
STX1A	0.001563	0.538098	0.003972	0.996871	1	-6.50147
PRR14L	-0.00069	0.078433	-0.00376	0.997035	1	-6.50147
TRMT11	-0.00115	0.005293	-0.00358	0.997178	1	-6.50147
KIAA1239	-0.0004	-0.00024	-0.00348	0.997255	1	-6.50147
PNRC1	-0.0007	0.093585	-0.00298	0.99765	1	-6.50147
PDGFA	-0.00128	0.058984	-0.00272	0.997859	1	-6.50147

NPAS3	-0.00041	0.011929	-0.00256	0.997983	1	-6.50147
CTDSP2	-0.00051	0.133243	-0.00231	0.99818	1	-6.50147
SURF4	-0.00074	0.110576	-0.0023	0.998188	1	-6.50147
TMF1	-0.00019	-0.02365	-0.00227	0.998209	1	-6.50147
MORN5	0.000736	-0.45693	0.002094	0.99835	1	-6.50147
LRRN1	-0.00028	0.036299	-0.00204	0.998391	1	-6.50147
RRP8	0.000238	0.083266	0.001575	0.998759	1	-6.50147
MRPL38	0.000382	0.380632	0.001486	0.998829	1	-6.50147
SLCO3A1	-0.00051	0.34828	-0.00141	0.998887	1	-6.50147
HLA-H	-0.00036	0.040849	-0.00134	0.998944	1	-6.50147
DEFB119	0.000254	-0.23578	0.000965	0.99924	1	-6.50147
ZNF511	0.000103	-0.05183	0.000599	0.999528	1	-6.50147
MNDA	0.000126	-0.10112	0.000388	0.999694	1	-6.50147
ZNF99	0	0	0	1	1	-6.50147
ZNF708	0	0	0	1	1	-6.50147
ZNF471	0	0	0	1	1	-6.50147
ZNF432	0	0	0	1	1	-6.50147
ZNF334	0	0	0	1	1	-6.50147
ZNF229	0	0	0	1	1	-6.50147
ZIC2	0	0	0	1	1	-6.50147
ZFP30	0	0	0	1	1	-6.50147
ZC3H7B	0	0	0	1	1	-6.50147
XKR6	0	0	0	1	1	-6.50147
WNT16	0	0	0	1	1	-6.50147
WDR17	0	0	0	1	1	-6.50147
WASF3	0	0	0	1	1	-6.50147
VSTM2A	0	0	0	1	1	-6.50147
USH2A	0	0	0	1	1	-6.50147
UGT2A3	0	0	0	1	1	-6.50147
UBE2CBP	0	0	0	1	1	-6.50147
TUBB2B	0	0	0	1	1	-6.50147
TTY4C	0	0	0	1	1	-6.50147
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TRIM23	0	0	0	1	1	-6.50147
TRHDE	0	0	0	1	1	-6.50147
TRDN	0	0	0	1	1	-6.50147
TMEM56	0	0	0	1	1	-6.50147
TMEM22	0	0	0	1	1	-6.50147
TLR8-AS1	0	0	0	1	1	-6.50147
TBC1D24	0	0	0	1	1	-6.50147
STRN3	0	0	0	1	1	-6.50147
ST8SIA4	0	0	0	1	1	-6.50147
SPRYD7	0	0	0	1	1	-6.50147
SNX31	0	0	0	1	1	-6.50147
SLITRK5	0	0	0	1	1	-6.50147
SLIT1	0	0	0	1	1	-6.50147

SLC25A36	0	0	0	1	1	-6.50147
SLC19A3	0	0	0	1	1	-6.50147
SLC16A12	0	0	0	1	1	-6.50147
SLC13A1	0	0	0	1	1	-6.50147
SF3A1	0	0	0	1	1	-6.50147
SENP6	0	0	0	1	1	-6.50147
SCML2	0	0	0	1	1	-6.50147
SCD5	0	0	0	1	1	-6.50147
RBMXL3	0	0	0	1	1	-6.50147
RAVER2	0	0	0	1	1	-6.50147
RACGAP1	0	0	0	1	1	-6.50147
PYGO1	0	0	0	1	1	-6.50147
PRRX2	0	0	0	1	1	-6.50147
PRRX1	0	0	0	1	1	-6.50147
PRO2214	0	0	0	1	1	-6.50147
PRND	0	0	0	1	1	-6.50147
POFUT1	0	0	0	1	1	-6.50147
PNPO	0	0	0	1	1	-6.50147
PLSCR2	0	0	0	1	1	-6.50147
PKHD1	0	0	0	1	1	-6.50147
PIH2	0	0	0	1	1	-6.50147
PHYHIPL	0	0	0	1	1	-6.50147
PHLPP1	0	0	0	1	1	-6.50147
PHACTR2	0	0	0	1	1	-6.50147
PDZRN3	0	0	0	1	1	-6.50147
PCDHGB6	0	0	0	1	1	-6.50147
PCDHB19P	0	0	0	1	1	-6.50147
PCDH7	0	0	0	1	1	-6.50147
PBX1	0	0	0	1	1	-6.50147
PARP4	0	0	0	1	1	-6.50147
PACRGL	0	0	0	1	1	-6.50147
OVOL1	0	0	0	1	1	-6.50147
OR2L13	0	0	0	1	1	-6.50147
ODF2L	0	0	0	1	1	-6.50147
OCR1	0	0	0	1	1	-6.50147
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NPHP4	0	0	0	1	1	-6.50147
NPEPL1	0	0	0	1	1	-6.50147
NHLRC2	0	0	0	1	1	-6.50147
NARG2	0	0	0	1	1	-6.50147
MTHFD2L	0	0	0	1	1	-6.50147
MBL2	0	0	0	1	1	-6.50147
Mar-04	0	0	0	1	1	-6.50147
MAGEB3	0	0	0	1	1	-6.50147
LYRM7	0	0	0	1	1	-6.50147
LUM	0	0	0	1	1	-6.50147
LRRIQ1	0	0	0	1	1	-6.50147

LRRC2	0	0	0	1	1	-6.50147
LRP5L	0	0	0	1	1	-6.50147
LRP12	0	0	0	1	1	-6.50147
LOX	0	0	0	1	1	-6.50147
LOC729652	0	0	0	1	1	-6.50147
LOC286072	0	0	0	1	1	-6.50147
LOC100509	0	0	0	1	1	-6.50147
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LOC100507	0	0	0	1	1	-6.50147
LOC100506	0	0	0	1	1	-6.50147
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LOC100499	0	0	0	1	1	-6.50147
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LOC100129	0	0	0	1	1	-6.50147
LMO3	0	0	0	1	1	-6.50147
LINGO1	0	0	0	1	1	-6.50147
LINC00472	0	0	0	1	1	-6.50147
LINC00304	0	0	0	1	1	-6.50147
LINC00114	0	0	0	1	1	-6.50147
LCE1B	0	0	0	1	1	-6.50147
KRTAP4-3	0	0	0	1	1	-6.50147
KRT78	0	0	0	1	1	-6.50147
KRT38	0	0	0	1	1	-6.50147
KIAA1383	0	0	0	1	1	-6.50147
KIAA0825	0	0	0	1	1	-6.50147
KCNH2	0	0	0	1	1	-6.50147
IQCF1	0	0	0	1	1	-6.50147
IPPK	0	0	0	1	1	-6.50147
IL8	0	0	0	1	1	-6.50147
IGF1	0	0	0	1	1	-6.50147
HRH4	0	0	0	1	1	-6.50147
HIGD1A	0	0	0	1	1	-6.50147
HERC3	0	0	0	1	1	-6.50147
GUSBP3	0	0	0	1	1	-6.50147
GRK7	0	0	0	1	1	-6.50147
GPR85	0	0	0	1	1	-6.50147
GALC	0	0	0	1	1	-6.50147
GABRG2	0	0	0	1	1	-6.50147
FLJ37201	0	0	0	1	1	-6.50147
FBXL17	0	0	0	1	1	-6.50147
FAM84B	0	0	0	1	1	-6.50147
FAM70A	0	0	0	1	1	-6.50147
FAM65C	0	0	0	1	1	-6.50147

FAM59A	0	0	0	1	1	-6.50147
FAM13C	0	0	0	1	1	-6.50147
FAM135A	0	0	0	1	1	-6.50147
EXOC6B	0	0	0	1	1	-6.50147
ESF1	0	0	0	1	1	-6.50147
ERBB2	0	0	0	1	1	-6.50147
DZIP1L	0	0	0	1	1	-6.50147
DST	0	0	0	1	1	-6.50147
DSCR10	0	0	0	1	1	-6.50147
DPY19L4	0	0	0	1	1	-6.50147
DAGLA	0	0	0	1	1	-6.50147
CYSLTR1	0	0	0	1	1	-6.50147
CXorf1	0	0	0	1	1	-6.50147
CXCL12	0	0	0	1	1	-6.50147
CRKL	0	0	0	1	1	-6.50147
CRISP3	0	0	0	1	1	-6.50147
CRIM1	0	0	0	1	1	-6.50147
COMMD6	0	0	0	1	1	-6.50147
CNTNAP3	0	0	0	1	1	-6.50147
CHRD12	0	0	0	1	1	-6.50147
CENPK	0	0	0	1	1	-6.50147
CD34	0	0	0	1	1	-6.50147
CCDC68	0	0	0	1	1	-6.50147
CAV2	0	0	0	1	1	-6.50147
CASQ2	0	0	0	1	1	-6.50147
C7orf73	0	0	0	1	1	-6.50147
C6orf164	0	0	0	1	1	-6.50147
C3orf80	0	0	0	1	1	-6.50147
C14orf126	0	0	0	1	1	-6.50147
C12orf63	0	0	0	1	1	-6.50147
C11orf1	0	0	0	1	1	-6.50147
BEND2	0	0	0	1	1	-6.50147
BBS5	0	0	0	1	1	-6.50147
BAG4	0	0	0	1	1	-6.50147
APLF	0	0	0	1	1	-6.50147
AP1S2	0	0	0	1	1	-6.50147
ANKS1B	0	0	0	1	1	-6.50147
ANKRD31	0	0	0	1	1	-6.50147
AKR1D1	0	0	0	1	1	-6.50147
ADH6	0	0	0	1	1	-6.50147
ADAM12	0	0	0	1	1	-6.50147
ACE	0	0	0	1	1	-6.50147
ABCC13	0	0	0	1	1	-6.50147