

Differentially expressed genes between low TMB and high TMB groups

Gene	Low TMB group	High TMB group	logFC	P value	fd
<i>MGST1</i>	16.39138148	24.89845866	0.603118984	1.69E-08	0.000182752
<i>P4HB</i>	182.7906316	230.1031478	0.332088588	1.55E-07	0.000186505
<i>ZNF256</i>	2.457872672	2.033845293	-0.273200237	1.34E-07	0.000186505
<i>GAA</i>	30.82409325	37.60540443	0.286881557	1.52E-07	0.000186505
<i>FAM83G</i>	1.569453243	0.959675505	-0.709643474	1.16E-07	0.000186505
<i>ZNF549</i>	1.000226315	0.776537179	-0.365199562	1.00E-07	0.000186505
<i>ZFP28</i>	0.965006007	0.687722655	-0.488711051	1.43E-07	0.000186505
<i>TCEAL3</i>	9.121147349	6.85744473	-0.411544223	1.07E-07	0.000186505
<i>ZNF582</i>	0.803120486	0.575037737	-0.481959802	4.35E-08	0.000186505
<i>DNAJA4</i>	4.17515428	2.562778818	-0.704120538	1.73E-07	0.000187189
<i>ARSB</i>	8.093576549	11.05585441	0.449961247	2.54E-07	0.00024995
<i>PINLYP</i>	1.090158409	0.52835372	-1.044961779	3.95E-07	0.000357258
<i>BEX4</i>	40.69084893	29.86049604	-0.446466248	4.45E-07	0.000370822
<i>SRD5A3</i>	5.275460251	6.489820678	0.29888165	4.85E-07	0.000375882
<i>ZNF154</i>	1.559521837	1.189472243	-0.390782148	5.74E-07	0.000415296
<i>SLC16A11</i>	1.502971702	0.48823457	-1.622171491	6.60E-07	0.000421019
<i>USP4</i>	7.840572765	6.902133497	-0.183916671	6.38E-07	0.000421019
<i>RBKS</i>	5.499303927	6.868505035	0.320747102	7.24E-07	0.000436025
<i>ZNF551</i>	1.602255172	1.347199029	-0.250140924	8.03E-07	0.000458043
<i>PEG3</i>	0.735200336	0.490791039	-0.583028518	8.55E-07	0.000463416
<i>NDRG2</i>	15.5681787	10.79905418	-0.527695214	1.02E-06	0.000517146
<i>LRFN4</i>	2.22687011	1.812299325	-0.297196155	1.05E-06	0.000517146
<i>KCNK3</i>	11.41554185	18.52969182	0.698839547	1.16E-06	0.000527887
<i>ZNF773</i>	0.705183311	0.579845952	-0.282328661	1.17E-06	0.000527887
<i>RALGPS1</i>	0.794422658	0.466327392	-0.768563597	1.29E-06	0.000548521
<i>TUB</i>	3.931792784	2.596487346	-0.598626095	1.32E-06	0.000548521
<i>PRDX4</i>	46.08815946	57.48075076	0.318682751	1.50E-06	0.000582752
<i>KLHL3</i>	0.999781722	0.417726113	-1.259055821	1.45E-06	0.000582752
<i>CLPTM1L</i>	27.20143161	32.86353912	0.272805272	1.63E-06	0.000608436
<i>FBXO33</i>	3.934630807	3.236025947	-0.282005096	2.23E-06	0.000806756
<i>EIF1B</i>	19.29854055	14.67654335	-0.394979527	2.42E-06	0.000847887
<i>USP11</i>	18.01011817	14.40222523	-0.322515913	2.55E-06	0.000862967
<i>CGGBP1</i>	15.38298052	13.10501671	-0.231215865	3.15E-06	0.000992183
<i>LTBR</i>	20.83571642	24.8928692	0.256673821	3.20E-06	0.000992183
<i>HDGFL3</i>	2.071075718	1.622788716	-0.351905123	3.15E-06	0.000992183
<i>C3orf52</i>	0.781161188	0.373553456	-1.064305563	3.67E-06	0.001074621
<i>DUSP23</i>	59.44100448	76.36511023	0.361455153	3.61E-06	0.001074621
<i>HSD3B7</i>	26.30993264	34.42500142	0.387849159	3.77E-06	0.001074964
<i>ZNF211</i>	3.669052153	3.010479482	-0.285414127	4.29E-06	0.001191757
<i>BEX1</i>	4.908636917	3.14628233	-0.641674321	5.08E-06	0.001296308
<i>TMEM150A</i>	8.408119476	10.24435671	0.28497432	5.03E-06	0.001296308
<i>MBIP</i>	4.774634687	3.710611525	-0.363733386	5.14E-06	0.001296308

<i>RAB7A</i>	100.9572381	88.20107796	-0.194876155	4.80E-06	0.001296308
<i>VAPA</i>	11.72552149	10.32246306	-0.183864831	5.93E-06	0.001462072
<i>GRINA</i>	93.35678422	111.3598002	0.254401756	6.73E-06	0.001622624
<i>NEB</i>	0.337751299	0.973974037	1.527921997	7.06E-06	0.001664268
<i>TMEM213</i>	10.81367697	0.293067299	-5.205481356	7.47E-06	0.001724581
<i>ZNF671</i>	3.700141169	3.035368255	-0.285708757	8.30E-06	0.001800835
<i>ZNF134</i>	4.416269466	3.70775252	-0.252283251	8.17E-06	0.001800835
<i>SOWAHD</i>	0.920003387	1.212880484	0.398726318	8.13E-06	0.001800835
<i>MTSS1</i>	10.8108528	8.265457327	-0.387313782	8.52E-06	0.001812139
<i>ZNF502</i>	1.194284795	0.904866871	-0.400369455	9.12E-06	0.001901622
<i>TCTN1</i>	5.699448349	6.82746962	0.260528702	9.75E-06	0.001973015
<i>SOCS2</i>	3.745705644	2.599770837	-0.526853071	1.08E-05	0.001973015
<i>ZNF135</i>	1.183850806	0.937751255	-0.336210084	1.01E-05	0.001973015
<i>KCTD6</i>	2.4823186	2.078321602	-0.256269378	1.11E-05	0.001973015
<i>MKRN2</i>	7.651769425	6.710853117	-0.18929722	1.04E-05	0.001973015
<i>ALG6</i>	2.579834258	2.959788404	0.198215658	9.96E-06	0.001973015
<i>TMEM214</i>	23.96080117	26.51185792	0.145961629	1.09E-05	0.001973015
<i>ZNF416</i>	2.303630832	1.95328071	-0.23801024	1.05E-05	0.001973015
<i>PPP2R5C</i>	6.382657482	5.659663906	-0.173440847	1.09E-05	0.001973015
<i>ZNF418</i>	1.010232119	0.801716916	-0.333521996	1.14E-05	0.002002043
<i>DDX24</i>	17.62105389	15.14622122	-0.218342306	1.26E-05	0.002012245
<i>HNRNPA3</i>	37.20789327	33.50034215	-0.151432876	1.19E-05	0.002012245
<i>NUDT4</i>	4.740457483	3.786517583	-0.324154667	1.23E-05	0.002012245
<i>VKORC1</i>	25.89341016	31.00737081	0.260026221	1.26E-05	0.002012245
<i>MAP6</i>	0.742454124	0.535714904	-0.470836452	1.20E-05	0.002012245
<i>AMACR</i>	6.215692273	7.501481636	0.271260494	1.26E-05	0.002012245
<i>ZIK1</i>	1.354701442	1.047400923	-0.371161154	1.31E-05	0.002055353
<i>BSPRY</i>	3.53404795	1.904190378	-0.89214389	1.38E-05	0.002075945
<i>SLC15A4</i>	15.57885395	19.62458914	0.333073344	1.40E-05	0.002075945
<i>PIP5K1B</i>	1.249282827	0.736572343	-0.762200995	1.37E-05	0.002075945
<i>ELOVL4</i>	0.825997922	0.395773832	-1.061461927	1.38E-05	0.002075945
<i>UBP1</i>	4.726077633	4.037342667	-0.227237288	1.46E-05	0.002087441
<i>IFNGR2</i>	36.13028823	42.04592526	0.21875723	1.43E-05	0.002087441
<i>ZNF586</i>	2.324612733	2.12633426	-0.128621985	1.46E-05	0.002087441
<i>HM13</i>	15.10208914	17.06042281	0.175905264	1.52E-05	0.002134899
<i>TMOD1</i>	1.536256184	1.074174115	-0.516190957	1.59E-05	0.002217106
<i>GALNT16</i>	1.035939994	0.669567522	-0.629638984	1.65E-05	0.002250941
<i>MARK1</i>	1.137861808	0.837960441	-0.441371312	1.66E-05	0.002250941
<i>ZNF136</i>	2.539403021	2.25838026	-0.169200955	1.76E-05	0.002328351
<i>CAND2</i>	0.649931888	0.42814133	-0.602201422	1.78E-05	0.002328351
<i>ZNF780B</i>	1.559551028	1.43439906	-0.12068431	1.78E-05	0.002328351
<i>PRELID1</i>	30.76927799	36.01942323	0.227284489	1.81E-05	0.002331511
<i>SLIT2</i>	2.086288785	0.885706605	-1.236038088	1.83E-05	0.002331511
<i>ANXA4</i>	71.38154596	89.22314865	0.321866914	1.86E-05	0.002351215

ZNF419	1.066831225	0.934053254	-0.191755246	1.92E-05	0.00237998
C17orf58	6.200655458	7.488136152	0.272185939	1.93E-05	0.00237998
CPAMD8	1.019597094	0.714441844	-0.513110683	2.03E-05	0.002474168
MYDGF	48.7951053	56.23845386	0.204820495	2.10E-05	0.002506001
SMPDL3A	42.05927446	52.28102487	0.313863459	2.10E-05	0.002506001
UGT1A6	6.116758298	9.228532639	0.593334004	2.39E-05	0.002732407
DAGLB	4.318981198	4.859910352	0.170238665	2.39E-05	0.002732407
ERP27	10.38284394	1.054372065	-3.299745705	2.39E-05	0.002732407
SAV1	7.250409054	5.933244988	-0.289241037	2.34E-05	0.002732407
RNASET2	26.89831771	40.06101975	0.5746832	2.43E-05	0.002744511
CALCA	3.035327975	0.031851819	-6.574332845	2.48E-05	0.002768713
MAL	45.73205497	16.12698755	-1.503728773	2.53E-05	0.002797265
ORAI3	11.68150974	13.91051113	0.251948689	2.72E-05	0.002811736
ZNF426	2.579662149	2.227410161	-0.211814888	2.72E-05	0.002811736
P2RX4	4.706000246	5.738141532	0.286082157	2.72E-05	0.002811736
TLE2	4.971251175	3.477651122	-0.515495789	2.59E-05	0.002811736
GNG7	3.61130984	2.809053274	-0.362438219	2.63E-05	0.002811736
ZNF662	0.941945564	0.722618145	-0.382410205	2.68E-05	0.002811736
ZBTB43	2.454988845	2.092497951	-0.230490259	2.68E-05	0.002811736
ALDH18A1	20.89063391	24.77131305	0.245814073	2.79E-05	0.002828061
FAM189A2	1.651710858	0.731169716	-1.175682934	2.78E-05	0.002828061
RAI2	12.07783719	9.671484743	-0.320552839	2.86E-05	0.002871737
SNX10	27.57913254	36.89410187	0.419813116	2.96E-05	0.00294506
TRAPPC6B	6.385892319	5.41400107	-0.238193053	3.00E-05	0.002961612
SUSD5	0.808850002	0.488636305	-0.727111128	3.20E-05	0.003100156
BEX2	16.82083727	11.80599606	-0.510729753	3.20E-05	0.003100156
CERS2	57.00649593	67.24991292	0.238406075	3.25E-05	0.003118161
PDHB	10.77943066	8.93918352	-0.27006601	3.46E-05	0.003197311
ZNF610	1.134171034	0.891330475	-0.347605878	3.45E-05	0.003197311
ZNF772	1.617578205	1.294751368	-0.321160381	3.48E-05	0.003197311
TTC9	1.875576112	1.340703557	-0.484343532	3.45E-05	0.003197311
CLRN3	32.70632721	42.8709794	0.390431617	3.40E-05	0.003197311
CLDND1	13.33542083	11.69372665	-0.189528581	3.53E-05	0.003217132
ZNF677	1.059644952	0.786699933	-0.429695586	3.65E-05	0.003273606
USP5	21.97823801	24.36309055	0.148621426	3.64E-05	0.003273606
SIRPA	40.49117375	49.36794109	0.285967014	3.89E-05	0.003281664
CNOT10	3.846739054	3.526033585	-0.125589751	3.97E-05	0.003281664
SLC25A35	1.247670305	0.932344109	-0.420302327	3.95E-05	0.003281664
TRIP13	1.320449262	1.557418963	0.23812823	3.83E-05	0.003281664
ZNF35	2.063799534	1.830875835	-0.172768888	4.02E-05	0.003281664
CYB5R3	75.94303727	90.69690474	0.256135617	3.93E-05	0.003281664
ZNF568	1.08993351	0.960432546	-0.18248393	3.83E-05	0.003281664
LMO4	5.651925988	4.529566222	-0.319369678	3.74E-05	0.003281664
RABGAP1L	2.737068031	2.319307008	-0.238937491	3.72E-05	0.003281664

<i>CCDC74B</i>	1.023799339	1.360615353	0.410326293	3.87E-05	0.003281664
<i>LRCH2</i>	0.895276654	0.612489593	-0.547648235	3.97E-05	0.003281664
<i>EPHA7</i>	5.70782818	7.856547648	0.460953591	4.02E-05	0.003281664
<i>ZNF540</i>	0.951905381	0.777162199	-0.292602447	4.29E-05	0.003400408
<i>SLC35B2</i>	24.88259776	28.36779238	0.189116771	4.33E-05	0.003400408
<i>GSTP1</i>	173.8361478	130.5414892	-0.413219707	4.27E-05	0.003400408
<i>FAM122A</i>	7.253406573	6.152779187	-0.237420501	4.33E-05	0.003400408
<i>GORASP1</i>	5.696128373	4.886855836	-0.221075115	4.29E-05	0.003400408
<i>GTPBP8</i>	2.38534963	2.03768558	-0.227269286	4.43E-05	0.003458258
<i>ZNF606</i>	1.632469125	1.444558561	-0.176427016	4.50E-05	0.003483495
<i>CPEB3</i>	1.401799428	1.17199379	-0.258315016	4.65E-05	0.003577161
<i>FRAT2</i>	3.007789819	2.464205285	-0.287581309	4.74E-05	0.003620837
<i>GLMP</i>	15.07246232	17.24441147	0.194213769	4.83E-05	0.003665157
<i>ABCC3</i>	18.23443459	24.12155361	0.403657365	4.88E-05	0.003674758
<i>SH3BP4</i>	12.74986656	9.847662579	-0.372628913	5.02E-05	0.003755765
<i>AP1M1</i>	4.789985146	5.328933258	0.153825582	5.22E-05	0.003875415
<i>THEM5</i>	4.06303118	3.17970008	-0.353665744	5.29E-05	0.003904559
<i>LCA5L</i>	0.530556835	0.764633081	0.527260313	5.37E-05	0.003907658
<i>DNAJC22</i>	10.04226615	12.81153333	0.351358286	5.34E-05	0.003907658
<i>GAL3ST1</i>	45.27245968	59.83992415	0.402474655	5.47E-05	0.003927613
<i>SHMT2</i>	40.94418799	51.01095778	0.317148512	5.58E-05	0.003927613
<i>PPP6C</i>	18.42536204	16.29684644	-0.177100148	5.52E-05	0.003927613
<i>TRMT10C</i>	9.72447747	8.308999392	-0.22694598	5.58E-05	0.003927613
<i>BRMS1L</i>	2.61973646	2.153733429	-0.282581991	5.47E-05	0.003927613
<i>ANGPT1</i>	2.60923512	1.660599522	-0.651922765	5.82E-05	0.0040728
<i>CNBP</i>	158.9998106	145.1758662	-0.131223405	5.99E-05	0.004163512
<i>FOXI2</i>	1.331209348	0.1465971	-3.182809	6.11E-05	0.004182864
<i>FAXDC2</i>	7.323063877	5.488639191	-0.415998877	6.13E-05	0.004182864
<i>DTX3</i>	6.969376296	5.328456133	-0.387311965	6.10E-05	0.004182864
<i>KIAA0040</i>	14.20464093	11.62912212	-0.288620171	6.25E-05	0.004236141
<i>PTPN21</i>	3.189749915	2.553477978	-0.320979701	6.40E-05	0.004310495
<i>PDCD6IP</i>	13.83028414	12.20487849	-0.180372866	6.46E-05	0.004324535
<i>FXVD6</i>	8.658137062	6.114575437	-0.50180431	6.68E-05	0.004442276
<i>RIC3</i>	0.753213958	0.505384755	-0.575677588	6.76E-05	0.004450887
<i>EDEM2</i>	21.14166578	23.67073767	0.163015614	6.77E-05	0.004450887
<i>RCAN2</i>	31.66514525	22.63804782	-0.484146143	6.87E-05	0.004460122
<i>NEXN</i>	3.25504493	2.242053925	-0.53785648	6.87E-05	0.004460122
<i>PDZK1IP1</i>	238.2784277	309.8727257	0.379027433	6.97E-05	0.004485648
<i>TSR2</i>	35.01826994	30.73866227	-0.188053429	7.00E-05	0.004485648
<i>CACNB2</i>	1.243949366	0.887472314	-0.487153744	7.03E-05	0.004485648
<i>KIF18A</i>	0.494137399	0.630990168	0.352705275	7.27E-05	0.004608413
<i>MZT2A</i>	8.74015343	10.80953296	0.30657368	7.37E-05	0.004646528
<i>CIPC</i>	5.67845807	4.064085046	-0.482568641	7.58E-05	0.004697036
<i>B3GNT4</i>	1.342422927	2.155838084	0.683409567	7.58E-05	0.004697036

ADAMTSL4	2.696934717	3.533024114	0.389582996	7.58E-05	0.004697036
SCD	71.88575883	98.05416848	0.447872975	7.91E-05	0.004838848
DAB2IP	15.85206123	13.25172308	-0.258490484	7.94E-05	0.004838848
PPP1R2	10.44195311	9.378884123	-0.154903396	7.94E-05	0.004838848
MRFAP1L1	29.94424765	27.39953655	-0.128127394	8.13E-05	0.004916473
RNF135	10.57939309	11.96954153	0.178111027	8.28E-05	0.004916473
GGT6	1.720604561	0.33923097	-2.342575775	8.39E-05	0.004916473
ZNF829	0.580523703	0.508452012	-0.191243356	8.32E-05	0.004916473
ZNF461	1.523578413	1.358400099	-0.165555283	8.36E-05	0.004916473
RITA1	8.641113578	9.849912643	0.188893686	8.44E-05	0.004916473
TRIB3	12.59670659	19.59932564	0.637757425	8.32E-05	0.004916473
SLC4A11	0.704235885	0.344319135	-1.032312384	8.48E-05	0.004916473
ZNF853	2.053527023	1.379912454	-0.573527191	8.32E-05	0.004916473
SV2A	1.358540501	0.969951181	-0.486073534	8.84E-05	0.005099154
HMGN3	96.20034263	118.0892967	0.295764271	9.39E-05	0.005387067
NEU1	23.60480299	27.54265926	0.222587417	9.65E-05	0.005392977
PLEKHA5	4.801223562	6.105382363	0.346679535	9.70E-05	0.005392977
RPS6KA6	0.803596193	0.470195966	-0.773208568	9.61E-05	0.005392977
SLC5A9	3.806947316	5.333206761	0.486368656	9.65E-05	0.005392977
SAP30	12.96590921	15.79683036	0.284911735	9.65E-05	0.005392977
NEPRO	6.504210283	5.868365409	-0.148415194	9.65E-05	0.005392977
SEC22C	4.834557843	4.205431263	-0.201130195	0.000100161	0.005533962
PPP1R14C	5.721789873	9.003866539	0.654078155	0.000101088	0.005533962
ZNF304	3.906585951	3.348124775	-0.222555062	0.000101555	0.005533962
SLC16A3	29.4475235	36.45570347	0.307998231	0.000101088	0.005533962
BIVM	8.259996169	10.12133738	0.293186915	0.000102967	0.005582864
ZNF77	1.153638787	1.002831753	-0.202111994	0.000104398	0.005604395
ZC3HC1	10.49030141	12.0267735	0.197193523	0.000104398	0.005604395
MVK	4.809096701	6.77137814	0.493683551	0.000106334	0.005680253
MVP	55.87588546	65.09329706	0.220283202	0.000107316	0.005704561
ZNF738	1.048379622	0.93753212	-0.161221192	0.000111837	0.005802693
ZNF417	1.662309038	1.502497366	-0.145826155	0.000111326	0.005802693
SMLR1	0.858629282	1.307866813	0.607108353	0.000110559	0.005802693
DCAF10	5.100686602	4.513271287	-0.176517961	0.000110817	0.005802693
IL20RB	5.427853456	11.14317432	1.037706591	0.000111837	0.005802693
ATP8B3	1.244167436	2.133183101	0.777827152	0.000114426	0.005879844
SETBP1	3.370399137	2.733712258	-0.302058054	0.000114426	0.005879844
ZNF440	1.998548931	1.828031951	-0.128661608	0.000114951	0.005879844
C1RL	11.15804044	13.83394406	0.310128842	0.000118687	0.005958185
SLC35F6	26.77083658	30.52381729	0.189273173	0.000118687	0.005958185
LYG1	14.96900374	20.82999557	0.476684327	0.00011923	0.005958185
ZBTB47	5.597895193	4.03325119	-0.472941217	0.000118687	0.005958185
MAGI3	1.675317646	1.283494089	-0.384358009	0.000118146	0.005958185
ATP8B2	5.123890716	4.070000522	-0.332210726	0.000121425	0.006040055

<i>ICAM1</i>	27.49214049	32.53073701	0.242784271	0.000122537	0.006067531
<i>TMEM30B</i>	2.975472812	0.870990359	-1.772390281	0.000123658	0.00609523
<i>GAPDH</i>	1326.281977	1564.851923	0.238638611	0.000125359	0.006151084
<i>MED21</i>	8.402654825	7.240791918	-0.214697728	0.00012593	0.006151301
<i>DERA</i>	21.35560192	26.3546589	0.303443458	0.00012766	0.006180119
<i>ZNF415</i>	2.290805909	1.821035456	-0.331096218	0.00012766	0.006180119
<i>VAR5</i>	10.26644596	11.48278825	0.161536164	0.000128826	0.006208829
<i>TEX30</i>	5.484168801	6.842241532	0.319196055	0.000130593	0.006266153
<i>CCDC127</i>	4.256528966	4.963194573	0.221591566	0.000131784	0.006295435
<i>SLC5A10</i>	6.76994438	10.71102773	0.661881028	0.000136033	0.006441658
<i>PHLPP1</i>	1.837700443	1.474238305	-0.317931868	0.000136033	0.006441658
<i>LYNX1</i>	2.56302935	1.645215873	-0.639573103	0.00013727	0.006443978
<i>H1FO</i>	53.17489526	42.57715373	-0.320665777	0.00013727	0.006443978
<i>ZNF813</i>	1.000144222	0.863507056	-0.211928182	0.000137893	0.006445309
<i>SERINC2</i>	45.93685664	61.55845121	0.422304795	0.000138518	0.006446753
<i>ZNF846</i>	1.478304134	1.340909291	-0.140731462	0.000142327	0.006595706
<i>SP6</i>	0.760104668	0.523766008	-0.537275661	0.000144268	0.006657212
<i>RGS16</i>	7.986670466	5.011050586	-0.672481087	0.000144921	0.006658989
<i>SOD2</i>	75.95166994	107.720885	0.504144398	0.000146234	0.006662877
<i>UBL4A</i>	17.36115038	19.40140291	0.16029843	0.000145905	0.006662877
<i>CMTM8</i>	4.575220007	3.780410735	-0.27529813	0.000148226	0.006725347
<i>ZNF235</i>	0.700492416	0.653286805	-0.100652931	0.000148895	0.006727571
<i>GUCD1</i>	32.6594653	36.81742069	0.172887389	0.000149567	0.006729905
<i>RNF128</i>	18.98616464	25.5998387	0.431186221	0.00015092	0.006762727
<i>C16orf45</i>	4.279661373	3.292684071	-0.378232555	0.000152972	0.006798458
<i>TCF21</i>	1.201533092	0.665997874	-0.851286906	0.000152972	0.006798458
<i>MSL2</i>	7.357157277	6.612969795	-0.153850121	0.000154353	0.006831872
<i>ZDHHC21</i>	2.566891849	2.353653933	-0.125120302	0.000156449	0.006896465
<i>IL32</i>	76.34220885	95.18881637	0.318311153	0.00015786	0.006930517
<i>CLSTN3</i>	25.08330667	28.83921098	0.201304147	0.000158571	0.006933629
<i>GPD1L</i>	7.699205277	4.649027719	-0.727780509	0.000159284	0.006936847
<i>GJB2</i>	10.26005284	16.88195033	0.718443423	0.000162896	0.007065773
<i>CNOT11</i>	18.80632057	21.35736557	0.183516086	0.000165841	0.007164852
<i>GABPB1</i>	2.556048301	2.393101503	-0.095033509	0.000166585	0.007168437
<i>BRK1</i>	88.43616422	79.88354246	-0.146738141	0.000171115	0.007334286
<i>RFC2</i>	11.88433011	13.2342765	0.155218742	0.0001742	0.007437094
<i>NRSN2</i>	16.64521394	18.50938611	0.153149633	0.000174979	0.007441066
<i>SLC35B1</i>	7.970603446	8.788295854	0.140894485	0.000176547	0.007478432
<i>NACAD</i>	1.085719072	0.751606564	-0.530601286	0.000181332	0.00751496
<i>DCAF16</i>	6.371380211	5.579816386	-0.191388284	0.000182954	0.00751496
<i>TRIM2</i>	8.916867308	5.506267315	-0.695462298	0.000182954	0.00751496
<i>KIAA1328</i>	0.790525761	0.68743435	-0.201590534	0.000178925	0.00751496
<i>ZDHHC3</i>	8.240430048	5.444494216	-0.597921599	0.000182954	0.00751496
<i>TLE1</i>	7.667316114	6.266733251	-0.291008077	0.000182141	0.00751496

<i>SLC37A4</i>	26.417582	31.87705801	0.271020064	0.000182141	0.00751496
<i>CTSA</i>	37.91387063	42.94949219	0.179915325	0.000180526	0.00751496
<i>CFL2</i>	7.504500139	5.665799965	-0.405476312	0.000188738	0.007608454
<i>ZNF555</i>	0.869306473	0.789754766	-0.138460149	0.000188738	0.007608454
<i>CAMK1G</i>	2.05445128	0.969264636	-1.083790597	0.000187901	0.007608454
<i>SRGAP2C</i>	1.080287538	0.903670071	-0.257547316	0.000187068	0.007608454
<i>ANAPC15</i>	3.193700804	2.638482743	-0.275520615	0.000188738	0.007608454
<i>PDCD4</i>	17.1348218	14.99984089	-0.191983991	0.00019212	0.007716106
<i>TMEM25</i>	3.836018664	3.057676628	-0.327173901	0.000194694	0.007790623
<i>B3GALT4</i>	3.787962033	3.211185722	-0.238315763	0.000195559	0.007796471
<i>GPRASP1</i>	2.793646054	2.220299705	-0.331394817	0.0001973	0.007837071
<i>MLEC</i>	69.28706825	82.98448035	0.260255438	0.000198176	0.007843137
<i>HOMEZ</i>	3.139028078	2.685971308	-0.22487404	0.000202611	0.0079895
<i>PIAS2</i>	2.222013425	2.039334951	-0.123768783	0.000203509	0.00799584
<i>ZBTB26</i>	2.464149873	2.154891997	-0.193474442	0.000206226	0.008073333
<i>CDH6</i>	24.57657135	35.10160932	0.514253515	0.000207139	0.008079912
<i>ABCA3</i>	8.485708216	10.40442768	0.294090631	0.000208977	0.008122379
<i>TSPAN5</i>	3.898852527	1.693427903	-1.20310302	0.000209901	0.008129179
<i>TMEM177</i>	3.251742747	3.772361316	0.214254737	0.000211762	0.008143077
<i>PALLD</i>	13.56747187	9.849280848	-0.462061624	0.000211762	0.008143077
<i>PELI2</i>	2.506631092	1.974061251	-0.344582932	0.000213638	0.008186196
<i>LRRC61</i>	7.789786634	9.219968996	0.243178087	0.000214582	0.008193414
<i>SLC41A3</i>	6.469134	5.490919427	-0.236524855	0.00021553	0.00820073
<i>TMCC2</i>	0.779830418	0.627621539	-0.313265566	0.000222276	0.008369309
<i>CD9</i>	84.01696951	54.63738082	-0.620792423	0.0002213	0.008369309
<i>TJP1</i>	11.30785137	9.519941708	-0.248300181	0.000222276	0.008369309
<i>ZNF559</i>	2.728722305	2.409080482	-0.179742991	0.00022424	0.008414025
<i>GRAMD1C</i>	2.666127854	2.248662589	-0.245678765	0.000226219	0.008429973
<i>SYNGR2</i>	37.62792102	42.54716061	0.177259275	0.000226219	0.008429973
<i>TACC1</i>	17.4714959	13.70020039	-0.350806141	0.000227215	0.008438093
<i>PHYHD1</i>	3.651405988	2.117290474	-0.786232878	0.00022922	0.008483479
<i>RARB</i>	5.75982928	4.484284688	-0.361148179	0.000230228	0.008491818
<i>CD55</i>	10.98038816	7.471979135	-0.555366723	0.000231241	0.008500255
<i>SHF</i>	0.92840653	0.713352523	-0.380141468	0.000232258	0.008508787
<i>SLC9A3R1</i>	76.70290849	93.7952481	0.29023355	0.000233279	0.008517415
<i>ITM2A</i>	21.18164037	15.03282767	-0.494697915	0.000237405	0.008638979
<i>ZNF717</i>	0.889349092	0.862193406	-0.044738296	0.000239493	0.008685837
<i>LIN52</i>	2.689511068	2.366929558	-0.184327155	0.000242659	0.008713211
<i>PPP2R5A</i>	18.28321664	14.39668584	-0.344783174	0.000242659	0.008713211
<i>FBXW2</i>	6.498929928	5.908856737	-0.137323172	0.000241599	0.008713211
<i>CD300C</i>	1.81733125	2.443947038	0.427391613	0.000244791	0.008760755
<i>ARHGEF3</i>	5.967834416	4.92876166	-0.275982289	0.000248021	0.00881818
<i>HID1</i>	2.791749552	2.227322595	-0.325858997	0.000248021	0.00881818
<i>TSPAN4</i>	16.03376526	18.80548642	0.230040365	0.000251292	0.00884744

<i>GPD1</i>	11.03812293	15.84481473	0.521515933	0.000250198	0.00884744
<i>BHLHA15</i>	1.061493407	1.355363897	0.352584837	0.000251269	0.00884744
<i>RBM18</i>	6.971332042	6.137834076	-0.183704698	0.000254604	0.008906201
<i>ALPK3</i>	8.027161371	5.610941892	-0.516646929	0.000254604	0.008906201
<i>ANP32B</i>	69.55840175	61.46945931	-0.178354989	0.000255717	0.008916366
<i>PAWR</i>	4.177890428	3.729072426	-0.163957838	0.000257956	0.00896562
<i>TRNT1</i>	2.13817507	1.846950933	-0.211234444	0.000264785	0.009115322
<i>SATB1</i>	2.180513986	1.752936719	-0.314894329	0.000263635	0.009115322
<i>SPAG4</i>	18.14639853	22.52986399	0.312155356	0.000264785	0.009115322
<i>ZNF518B</i>	1.519082743	1.249883656	-0.281406644	0.000265939	0.009126094
<i>MEX3C</i>	4.814485286	4.243647263	-0.182076826	0.000270605	0.009238915
<i>DPP9</i>	9.924937087	11.30434685	0.187747775	0.000271783	0.009238915
<i>PARM1</i>	17.26672806	12.35453421	-0.482954107	0.000271783	0.009238915
<i>RNF31</i>	3.421037321	3.010594315	-0.184385528	0.000274154	0.00929039
<i>CDK7</i>	9.698721024	11.12410907	0.197823379	0.000276544	0.009342188
<i>ZNF431</i>	1.069243825	0.932823368	-0.19691504	0.000277747	0.009353681
<i>KCNC4</i>	1.029623646	0.782520124	-0.395917333	0.000280166	0.009405958
<i>ZNF8</i>	0.995842972	0.889919357	-0.162243663	0.000282606	0.009458573
<i>MTURN</i>	6.455418902	4.545153869	-0.506181582	0.000285065	0.009511527
<i>DNAAF5</i>	4.825747803	5.544344854	0.200264473	0.000288792	0.009606312
<i>CCL15</i>	2.181612763	2.940934268	0.430879494	0.000291284	0.00963071
<i>MTFR1L</i>	10.78728834	9.464657889	-0.188709989	0.000291301	0.00963071
<i>FOXP1</i>	3.188513714	2.596926975	-0.29607864	0.000295104	0.009726782
<i>ZNF439</i>	1.405102824	1.220590563	-0.203096368	0.000296382	0.009739301
<i>SLC29A2</i>	2.203868978	1.26769696	-0.797828543	0.000300247	0.00977742
<i>ALPK2</i>	8.675517997	11.23862087	0.373443203	0.000300247	0.00977742
<i>SLC22A18AS</i>	1.544280908	2.130551681	0.464291842	0.000300247	0.00977742
<i>RBM25</i>	7.250799889	6.380657602	-0.18443504	0.000301546	0.009790314
<i>CFAP221</i>	0.776066962	1.058354519	0.447569927	0.000304159	0.009845683
<i>PLIN3</i>	18.27682827	22.47667116	0.298412656	0.000310786	0.010030241
<i>THSD7A</i>	3.401831772	2.2678922	-0.584959733	0.000312127	0.010043642
<i>SMIM10L2B</i>	1.358345277	0.747447259	-0.861806553	0.000316184	0.010054837
<i>IKBIP</i>	12.40302953	15.13962771	0.287637177	0.000316184	0.010054837
<i>KTN1</i>	10.97991118	9.371012386	-0.228589563	0.000316184	0.010054837
<i>TBC1D1</i>	14.9336861	10.98329719	-0.443259094	0.000314826	0.010054837
<i>DNM2</i>	17.40309676	19.26993703	0.147007811	0.00032167	0.010140083
<i>SLC16A5</i>	3.182671134	2.150511449	-0.565558279	0.00032167	0.010140083
<i>USF3</i>	2.299522654	1.978485522	-0.216937903	0.00032167	0.010140083
<i>SMYD5</i>	10.91118567	12.07479085	0.146190318	0.000327245	0.010182596
<i>TPK1</i>	1.758178647	1.78725085	0.023660469	0.000328653	0.010182596
<i>ZNF613</i>	1.690499904	1.532377019	-0.141678639	0.000328653	0.010182596
<i>NAP1L5</i>	3.654189596	2.971004484	-0.298600707	0.000328653	0.010182596
<i>RASSF6</i>	7.058775153	8.979670157	0.347244586	0.000324446	0.010182596
<i>ZNF749</i>	1.091135277	1.01237194	-0.108090549	0.000325843	0.010182596

ZKSCAN7	0.711943877	0.625596854	-0.186530258	0.00033291	0.010197956
DDX49	14.72861448	16.10743678	0.129105209	0.000331485	0.010197956
ZNF284	0.70876209	0.613319545	-0.208662513	0.000331485	0.010197956
SLC43A1	2.641646258	1.439890899	-0.875477786	0.00033291	0.010197956
RHOA	173.1240446	155.8559296	-0.151593066	0.000335777	0.010256803
SLC35E3	1.095551599	1.249605788	0.189815606	0.000340121	0.010260651
EFHD1	17.48351699	12.72732402	-0.458066309	0.000338667	0.010260651
SCRN1	15.69593484	12.21170375	-0.362126461	0.000338667	0.010260651
SMU1	9.966203211	9.166638556	-0.120651202	0.00034158	0.010260651
ZNF649	2.397003668	1.938054796	-0.306622755	0.00034158	0.010260651
RAD54L2	2.176943245	1.848917215	-0.235623166	0.000340121	0.010260651
SLC22A18	8.282789828	10.68890645	0.367925576	0.000345994	0.010364528
TRAK1	6.182393416	5.006003819	-0.304506071	0.000351962	0.010514264
MBOAT7	11.08935301	12.49211277	0.171842302	0.000358027	0.0106241
CHST13	5.145392171	6.759009667	0.393530837	0.000359558	0.0106241
TSPAN7	18.28769124	12.3833413	-0.562472313	0.000359558	0.0106241
TPGS2	5.440029139	4.933503596	-0.141001818	0.000358027	0.0106241
TMEM144	1.577156648	1.938640854	0.2977196	0.000365744	0.010777533
TOX3	1.99682565	0.947784802	-1.075076938	0.000372008	0.010874117
RABGAP1	7.361291325	6.53038045	-0.172791824	0.00037203	0.010874117
TOP2B	16.63249066	14.38655698	-0.209282859	0.000370449	0.010874117
IL27RA	6.549072961	7.923163506	0.274785871	0.000378417	0.011001492
PTN	11.69649647	8.831403512	-0.405361816	0.000378417	0.011001492
SIK3	4.405742651	3.880797942	-0.183031907	0.00038003	0.011018835
SSU72	12.06241127	10.9648314	-0.137634701	0.000383274	0.011024479
ZNF567	1.228118262	1.116808259	-0.137067976	0.000383274	0.011024479
ADGRL1	2.714513497	1.994520475	-0.444651724	0.000381649	0.011024479
REEP1	0.928588355	0.636677602	-0.544476177	0.000384906	0.011042132
ZNF577	1.571556739	1.270361843	-0.306954874	0.00038819	0.011048641
TOX4	10.51650705	9.362762708	-0.167649409	0.000386545	0.011048641
C18orf25	3.734926166	3.373680041	-0.146756568	0.00038819	0.011048641
MORF4L1	33.833641	31.16363593	-0.118594875	0.000393164	0.011160926
TBC1D7	1.385895654	1.631662296	0.235523855	0.000394836	0.011179106
GCNT3	2.102372225	2.734050066	0.379021541	0.000398198	0.011215743
UBE2QL1	2.403438463	1.138128674	-1.078436191	0.000398198	0.011215743
ZNF660	0.608193341	0.528930405	-0.201452112	0.000405004	0.011319226
MFSD14B	16.41884989	14.674257	-0.162065615	0.000404147	0.011319226
PLCD1	3.438950899	2.778118912	-0.307860165	0.000405004	0.011319226
SYNJ2BP	7.707439416	6.377097	-0.273351818	0.000408447	0.011386117
FZD7	4.643759116	3.293614786	-0.495621307	0.000411918	0.011453424
CIB4	0.808256832	1.280453216	0.663768841	0.000412997	0.011454067
GPR35	1.042434055	1.97859986	0.924523759	0.000415416	0.011491761
EPM2AIP1	4.555855697	4.054963503	-0.168033122	0.000418942	0.01150128
FMO5	1.729125462	1.219801667	-0.503395959	0.000418942	0.01150128

<i>GAS6</i>	25.92493724	17.83818659	-0.539371537	0.000417175	0.01150128
<i>MLST8</i>	9.01658482	9.884841176	0.132636693	0.000420715	0.011520799
<i>OSMR</i>	24.7722376	30.16136467	0.283977517	0.000424283	0.011560118
<i>PHETA1</i>	4.127960868	4.848523375	0.232116145	0.000424283	0.011560118
<i>MOSMO</i>	3.02527017	2.72366633	-0.151514015	0.000429688	0.011678039
<i>PLCL1</i>	3.194266791	2.107607233	-0.599878778	0.000431504	0.011698072
<i>AGBL3</i>	1.342886638	1.671309106	0.315641061	0.000433327	0.011718199
<i>C16orf74</i>	3.169792848	4.425575426	0.48147649	0.000436995	0.011758734
<i>PSMD5</i>	7.960012578	7.063599596	-0.172367145	0.000436995	0.011758734
<i>NFKBIE</i>	13.93845169	16.21955211	0.218663669	0.000438839	0.011779142
<i>ZNF44</i>	2.834454936	2.459855162	-0.204497961	0.00044255	0.011849426
<i>NFE2L3</i>	7.855364301	9.940778953	0.339680721	0.000444417	0.011870094
<i>C16orf87</i>	1.426629884	1.619276912	0.182738623	0.000451957	0.012041822
<i>CEP78</i>	0.880851563	0.774731568	-0.185202397	0.00045769	0.012164685
<i>ZNF530</i>	0.602526574	0.540560068	-0.156569931	0.000459616	0.012186009
<i>CGN</i>	3.306710597	2.497596851	-0.404856163	0.00046155	0.012207429
<i>ZNF793</i>	0.600248233	0.511207003	-0.23165165	0.000467396	0.012272266
<i>ATP6V1B1</i>	12.89711319	0.592741093	-4.443502288	0.00046544	0.012272266
<i>METTL1</i>	6.522520578	7.358190374	0.173921412	0.000467396	0.012272266
<i>ARMH4</i>	0.799968588	0.496241011	-0.688902382	0.000475299	0.012389771
<i>ZNF503</i>	2.773131612	2.124006121	-0.384728164	0.000475299	0.012389771
<i>FBXO6</i>	7.414329476	8.508077246	0.198516905	0.000475299	0.012389771
<i>SHROOM3</i>	2.600482777	1.552761502	-0.743943228	0.000477294	0.012411942
<i>FUCA2</i>	28.61039175	30.63164058	0.098483386	0.000483327	0.012479033
<i>ZNF226</i>	2.186976137	2.00578916	-0.124767515	0.000483327	0.012479033
<i>NLGN1</i>	3.290505943	4.12699244	0.326781368	0.000481308	0.012479033
<i>ARIH2</i>	5.911465127	5.175785012	-0.191738046	0.000485353	0.012494635
<i>THRB</i>	1.841727466	1.301387436	-0.50100906	0.000487388	0.012494635
<i>ALDH1A2</i>	3.207229727	1.189690585	-1.430741288	0.000487388	0.012494635
<i>PPP4R2</i>	8.001733729	7.358785053	-0.120845027	0.000493539	0.012622485
<i>CASR</i>	0.880227166	0.464404705	-0.922493308	0.000496624	0.012671497
<i>PNN</i>	17.64161816	15.51040246	-0.185746776	0.000499762	0.012721645
<i>ADCY1</i>	0.889787583	0.57395779	-0.632516324	0.000503952	0.012768346
<i>OIP5</i>	0.705237911	0.856212451	0.279858786	0.000503952	0.012768346
<i>GCHFR</i>	3.061894156	3.650947075	0.253846343	0.000508174	0.01284531
<i>IL22RA1</i>	2.129279289	3.119699988	0.551042101	0.000512427	0.012922695
<i>HSPB8</i>	80.39048308	97.5526376	0.279156161	0.000514569	0.012946608
<i>OSGIN1</i>	3.079330735	3.473096496	0.173605666	0.000523213	0.013133614
<i>BCL2L2</i>	12.89198989	10.81021988	-0.254079095	0.000525395	0.013157927
<i>C1orf226</i>	1.000887788	0.543615427	-0.880621936	0.000529784	0.013231467
<i>ABCC2</i>	4.899902406	6.930903068	0.500290327	0.000531992	0.013231467
<i>C12orf66</i>	1.715960259	1.905264577	0.150975212	0.000531992	0.013231467
<i>TMEM8B</i>	4.485715916	3.399963388	-0.399819045	0.000540908	0.013422437
<i>ZNF382</i>	0.572036208	0.523807831	-0.127068838	0.000549963	0.013615977

SLC12A7	33.30423063	39.70213247	0.253511045	0.000552249	0.013641423
CWH43	1.576746288	0.184655624	-3.094041431	0.000561387	0.013651778
SLC25A26	2.946430873	2.506680743	-0.233190157	0.00056148	0.013651778
TPI1	358.7790636	408.4621263	0.187106609	0.000554543	0.013651778
TMCC1	12.13236369	14.49126452	0.25632284	0.000556847	0.013651778
CGREF1	6.7325835	8.839071325	0.392734584	0.00056148	0.013651778
CCDC74A	3.234480863	4.120802318	0.34939108	0.00056148	0.013651778
MRPL17	22.65042004	24.73374642	0.126942977	0.00056148	0.013651778
PLOD1	52.39678261	63.13882496	0.269049185	0.000570856	0.013848677
RUBCN	4.070003044	3.595059646	-0.179014167	0.000575598	0.013932549
NABP2	15.04880428	16.73464199	0.153188827	0.000580376	0.013954773
ZNF835	0.688945594	0.537213087	-0.358895608	0.000580376	0.013954773
FAM136A	9.632139157	10.65198906	0.145194712	0.000580376	0.013954773
QRICH1	9.283490681	8.542065526	-0.120082409	0.000585192	0.014039433
CLMN	4.288521949	3.316176735	-0.370959608	0.000590045	0.014062524
ZNF585A	0.92194811	0.827266312	-0.15633372	0.000590045	0.014062524
KIAA1143	5.341207978	4.840878327	-0.141897228	0.000590045	0.014062524
BBIP1	1.905408034	1.805731141	-0.077516874	0.000594935	0.01414798
PRDM11	1.084327269	0.922746967	-0.232793258	0.000599863	0.014233956
PHF2	8.817928446	7.802527094	-0.176498308	0.000604829	0.014289257
IRAK1	21.50216839	24.97225684	0.215844053	0.000604829	0.014289257
BMI1	11.57137534	10.17430871	-0.185629575	0.000619958	0.014583128
ZNF471	1.451742285	1.251490734	-0.214137758	0.000619958	0.014583128
SLC16A13	4.822698486	6.172416998	0.355994915	0.000625078	0.014640063
ZNF197	2.179542157	1.998873461	-0.124837964	0.000625078	0.014640063
KAT5	10.05157942	9.206708164	-0.12666489	0.000627653	0.014668691
TTYH3	40.36701157	50.7626263	0.330589926	0.000630238	0.014697425
ZCCHC14	7.74550623	6.685281263	-0.212371275	0.000632833	0.014726267
TICAM1	13.19209598	15.1192012	0.196708118	0.000635438	0.014755216
ERICH1	2.21891237	1.988213148	-0.158380263	0.000640677	0.014845089
TMEM63B	11.28354951	12.97229825	0.201213126	0.000656637	0.014926526
MPP7	1.675187495	0.955999687	-0.809240527	0.000659333	0.014926526
SRSF1	37.82258407	35.84535041	-0.077461937	0.000648611	0.014926526
GRB14	5.008209955	2.753336417	-0.863114147	0.000656637	0.014926526
CNN3	112.078157	98.71086819	-0.183224296	0.000648611	0.014926526
SLC44A1	7.929719825	6.866455269	-0.207704377	0.000648611	0.014926526
WDR20	2.79000444	2.475492104	-0.17255207	0.000656637	0.014926526
RNASE2	1.693237868	2.050797851	0.276400632	0.000659332	0.014926526
FAM13B	6.009008171	5.490832386	-0.130102012	0.000656637	0.014926526
ANXA3	2.761371163	1.709095488	-0.692151813	0.000659333	0.014926526
ALDH1A1	172.3578688	212.8922303	0.304716134	0.000656637	0.014926526
GKAP1	1.59856479	1.339158953	-0.255450005	0.000667482	0.015016227
SLC41A2	7.559595076	9.073415661	0.263336792	0.000667482	0.015016227
SLC39A14	43.89545917	53.12946899	0.275440588	0.000670219	0.015016227

<i>SPECC1</i>	1.999486601	1.600446165	-0.321155465	0.000664755	0.015016227
<i>PCNP</i>	46.4967681	41.33835029	-0.169649625	0.000670219	0.015016227
<i>PPM1B</i>	5.85266506	5.314497433	-0.139160448	0.000675724	0.015108362
<i>TLE4</i>	1.531092731	1.283439749	-0.254546092	0.000681272	0.01516984
<i>CDKN2C</i>	6.950308873	8.427792532	0.278077707	0.000681272	0.01516984
<i>IAH1</i>	6.413752602	6.934567357	0.112637171	0.000684061	0.015200743
<i>MYH14</i>	3.397717892	2.074181332	-0.712024048	0.000686862	0.015231755
<i>PXK</i>	4.217576217	2.494659829	-0.757571037	0.000692494	0.015325318
<i>MOGAT3</i>	1.312324597	2.261090589	0.784894186	0.00069669	0.015386769
<i>HPN</i>	46.54088114	54.92033737	0.238841963	0.000698169	0.015388107
<i>FBXO17</i>	23.08103185	26.68329773	0.209229255	0.000706763	0.015483117
<i>VAMP2</i>	29.31482747	25.07048541	-0.225640636	0.000706763	0.015483117
<i>NAGPA</i>	2.842268591	3.249347973	0.193107356	0.000706763	0.015483117
<i>BMP8B</i>	1.334280618	1.929168529	0.531917063	0.000712547	0.015578353
<i>ABCC6</i>	4.592280505	6.162563812	0.424319913	0.000718375	0.01564269
<i>BAP1</i>	12.79866508	11.26359227	-0.184326327	0.000718375	0.01564269
<i>ZNF112</i>	1.429763572	1.267197829	-0.174134831	0.000721306	0.015643676
<i>ALG1</i>	4.367050383	4.756251266	0.123165757	0.000721306	0.015643676
<i>LIMCH1</i>	9.589190482	7.830177496	-0.292364017	0.000724247	0.015676121
<i>SLC35D1</i>	5.838255106	7.085165222	0.279264245	0.0007272	0.015708678
<i>ISOC2</i>	16.45209357	19.36994882	0.23554896	0.000730164	0.015710113
<i>RNF38</i>	10.40526436	8.969679345	-0.214185302	0.000730164	0.015710113
<i>ZNF175</i>	1.914832904	1.729610964	-0.146770928	0.000733139	0.015742889
<i>AC079447.1</i>	1.666742172	2.824598603	0.761014913	0.000742132	0.015810766
<i>FDFT1</i>	12.40813641	10.55361207	-0.233549593	0.000742132	0.015810766
<i>SOCS4</i>	3.665529684	3.178983527	-0.205456148	0.000742132	0.015810766
<i>NR3C2</i>	3.119448084	2.134965247	-0.547078213	0.000739123	0.015810766
<i>PCP4</i>	4.869624865	0.518576331	-3.231182373	0.000749533	0.01590595
<i>TUBA1B</i>	54.51329533	62.91597863	0.206818328	0.000748184	0.01590595
<i>SDR42E1</i>	0.647686835	0.524405087	-0.30461474	0.000754282	0.015975463
<i>LURAP1</i>	1.261432162	0.97565931	-0.370613256	0.000757349	0.015977992
<i>ATG10</i>	1.604865017	1.825063457	0.185494668	0.000757349	0.015977992
<i>SH3GLB2</i>	7.567658605	6.274247573	-0.27040455	0.000766617	0.016142125
<i>TRERF1</i>	1.827017368	1.577149554	-0.212170878	0.00076973	0.016176259
<i>NAALADL1</i>	1.037067136	0.797897804	-0.378233412	0.000772854	0.016210507
<i>ACSM2A</i>	19.12955632	23.96771843	0.325289167	0.000782299	0.016255044
<i>KDF1</i>	2.66610924	1.64794974	-0.694063651	0.000779139	0.016255044
<i>KIAA2026</i>	4.194066741	3.861682037	-0.119120439	0.000785471	0.016255044
<i>METTL7B</i>	25.22516543	31.792942	0.333842794	0.000785471	0.016255044
<i>DNASE1</i>	1.784588322	0.705062512	-1.339768225	0.000785471	0.016255044
<i>SLC19A1</i>	1.323144995	1.516284924	0.196569709	0.000782299	0.016255044
<i>HNRNPLL</i>	5.245172584	4.78673386	-0.131948648	0.000785471	0.016255044
<i>DRAM1</i>	22.97080337	27.04194717	0.235397723	0.000788654	0.016289844
<i>ZNF91</i>	2.024519445	1.97241436	-0.037616838	0.000795058	0.016359788

<i>TYMP</i>	27.32216676	33.24873633	0.28322761	0.000795058	0.016359788
<i>FBXO30</i>	2.436149663	2.106387904	-0.209831625	0.00080801	0.016594813
<i>AGMO</i>	2.946370316	4.122403588	0.484546986	0.000814559	0.016697695
<i>DACT1</i>	2.608740038	1.79965375	-0.535633824	0.000827806	0.016873545
<i>MESP1</i>	0.731658948	0.873692127	0.255953676	0.000827806	0.016873545
<i>CARHSP1</i>	20.72740813	23.59786539	0.187116637	0.000827806	0.016873545
<i>UBAP1</i>	23.65346271	21.58024811	-0.132339948	0.000831148	0.016909895
<i>ATP2C1</i>	15.00386011	13.30263485	-0.173621689	0.000834504	0.016946363
<i>BCKDK</i>	26.80058605	30.90736418	0.205686076	0.000837871	0.01698295
<i>TBL2</i>	8.515668114	9.48293969	0.155214637	0.000844645	0.0170883
<i>SETD2</i>	5.997817315	5.526507322	-0.118069576	0.000851469	0.017162324
<i>C11orf86</i>	1.163956396	2.141444483	0.879547263	0.000850256	0.017162324
<i>RBMS1</i>	7.299379595	6.587168573	-0.148115378	0.0008549	0.017199515
<i>TCEAL4</i>	37.11526952	32.84578427	-0.176304632	0.000861801	0.017306245
<i>ZNF254</i>	1.897257767	1.719672509	-0.141781854	0.000868754	0.017317585
<i>NR2C2</i>	3.49038335	3.21649408	-0.117896463	0.000868754	0.017317585
<i>FGF12</i>	0.85226097	0.563373652	-0.597203172	0.000868754	0.017317585
<i>SLC12A3</i>	7.278059417	1.405535449	-2.372433988	0.000865271	0.017317585
<i>IQSEC1</i>	10.60822499	9.00767069	-0.235957289	0.000875758	0.017425181
<i>ABCD1</i>	6.288444855	6.957887882	0.145946152	0.00087928	0.017463214
<i>CHEK1</i>	1.423928457	1.608400767	0.175750267	0.000882815	0.017501368
<i>ARMCX2</i>	12.29717492	10.17879481	-0.272760165	0.000889925	0.017610118
<i>RAB14</i>	29.55690726	26.49993201	-0.15750666	0.000893499	0.017648649
<i>JADE1</i>	9.702467904	7.949004251	-0.287577606	0.000897087	0.017687302
<i>CDO1</i>	0.883023736	0.326260726	-1.436426886	0.000907932	0.01786862
<i>FABP7</i>	56.17489395	95.18067123	0.760743133	0.000920736	0.018087787
<i>SLC39A11</i>	4.515512133	5.34475476	0.24323413	0.000926275	0.018130923
<i>MAOB</i>	77.63414371	92.52972904	0.253225673	0.000926275	0.018130923
<i>DERL1</i>	15.72221064	18.64703923	0.246142494	0.000933709	0.018243492
<i>RYBP</i>	8.318177681	7.481224596	-0.152993059	0.000941197	0.018356732
<i>NKAIN1</i>	0.58182651	0.813472337	0.483504256	0.000948738	0.018404564
<i>SS18</i>	13.00647206	12.06732594	-0.108123674	0.000948741	0.018404564
<i>DNASE1L3</i>	3.036657008	1.98476352	-0.613516841	0.000948741	0.018404564
<i>KITLG</i>	8.15906076	6.011315346	-0.44072238	0.000960163	0.018592863
<i>ICA1</i>	2.923469995	2.275929035	-0.36122621	0.000963998	0.018633855
<i>SFTA2</i>	1.167698111	0.223543463	-2.385040072	0.000970099	0.018718429
<i>EPDR1</i>	16.49590587	18.4076335	0.158196159	0.000979481	0.018765893
<i>HEXB</i>	24.23188944	27.37019094	0.175698599	0.000975589	0.018765893
<i>LDHA</i>	263.8437687	307.8866651	0.222715473	0.000979481	0.018765893
<i>NAPG</i>	5.608749687	5.12432138	-0.130318239	0.000979481	0.018765893
<i>ZP3</i>	1.549175525	2.208787718	0.511754157	0.000987309	0.018882505
<i>PDLIM4</i>	5.663143489	2.994797619	-0.919144572	0.000991245	0.018899987
<i>FIP1L1</i>	4.429780893	4.15928355	-0.090900301	0.000995195	0.018899987
<i>RPN2</i>	108.399441	120.3675232	0.15108887	0.000995195	0.018899987

<i>TCEAL2</i>	1.531617293	0.435922985	-1.812910675	0.000992623	0.018899987
<i>EIF6</i>	62.42269066	68.13735816	0.126375468	0.001007133	0.019059943
<i>ZNF132</i>	1.593129422	1.343476704	-0.245892168	0.001007133	0.019059943
<i>C9orf3</i>	3.509683642	3.140783832	-0.160216343	0.001011141	0.019102469
<i>SLC1A5</i>	18.27628183	21.97839488	0.266113433	0.001015165	0.019111888
<i>ACP2</i>	14.16636114	15.37419584	0.118041725	0.001015165	0.019111888
<i>ZNF17</i>	1.567810367	1.483923835	-0.079334026	0.001019203	0.019154659
<i>LBP</i>	20.59890915	39.83523806	0.951477258	0.001023252	0.019164404
<i>ZDHHC9</i>	17.36747522	20.38738892	0.231288978	0.001023256	0.019164404
<i>POLD2</i>	22.87839046	25.29990177	0.145146224	0.001027324	0.01920742
<i>FRY</i>	2.835912004	2.188907353	-0.373601875	0.001039618	0.01923826
<i>PLS3</i>	19.00028567	16.32608908	-0.218841876	0.001035505	0.01923826
<i>PTPRN2</i>	3.858833636	3.10750655	-0.312407415	0.001035505	0.01923826
<i>PFKFB4</i>	4.506935594	5.539026318	0.29748556	0.001039618	0.01923826
<i>ZNF234</i>	1.829325877	1.677809483	-0.124733194	0.001039618	0.01923826
<i>LMAN2L</i>	14.27938669	15.92012594	0.156917733	0.001035505	0.01923826
<i>BDH1</i>	1.250564982	0.630252091	-0.988579121	0.00104789	0.019358291
<i>GMPPA</i>	7.28307322	7.996048386	0.134739853	0.001052048	0.019402062
<i>CYBC1</i>	8.316882864	9.053309708	0.122402396	0.001056222	0.019413005
<i>ZNF708</i>	1.478298633	1.418075367	-0.060003529	0.001056222	0.019413005
<i>GATA3</i>	2.643196223	1.184432625	-1.158087396	0.001060411	0.019424156
<i>SHQ1</i>	2.523263817	2.298928599	-0.134329394	0.001060411	0.019424156
<i>ZNF720</i>	1.316803599	1.217487309	-0.113133451	0.001073071	0.019589871
<i>HTATIP2</i>	16.01176157	18.67567654	0.222028469	0.001073071	0.019589871
<i>PPP1R8</i>	12.61208828	11.88910663	-0.085166861	0.001081589	0.019712178
<i>ZFP3</i>	2.488138451	2.242225682	-0.150135271	0.001085871	0.019757015
<i>PLCL2</i>	5.128244831	4.16952916	-0.298580662	0.001090168	0.019768873
<i>DBNDD2</i>	1.259737687	1.050676195	-0.261805238	0.001090168	0.019768873
<i>P3H4</i>	8.536868267	9.613026567	0.171283804	0.001094482	0.01981396
<i>RTP4</i>	12.19778816	9.792054005	-0.316936146	0.001098811	0.019859181
<i>PEX5</i>	9.617968325	10.6572927	0.148036912	0.001116287	0.020141462
<i>ZC3H14</i>	1.917562289	1.728356867	-0.14987231	0.001120696	0.020187424
<i>IRF6</i>	7.211100882	4.215379927	-0.77455686	0.001138494	0.020474004
<i>SVEP1</i>	1.328611228	1.011311565	-0.393691481	0.001152013	0.020513014
<i>VN1R1</i>	0.550651093	0.475562507	-0.211503499	0.001152013	0.020513014
<i>ZNF100</i>	1.431840895	1.27563689	-0.166653465	0.00114749	0.020513014
<i>MAGI1</i>	4.034295588	3.138564076	-0.362212129	0.001152013	0.020513014
<i>ERH</i>	45.9725006	41.09442474	-0.161828464	0.00114749	0.020513014
<i>HNF4G</i>	4.431660942	6.951873693	0.649554363	0.001152013	0.020513014
<i>C22orf23</i>	0.842106059	0.734016183	-0.198190074	0.001161108	0.020540051
<i>DPF2</i>	6.383925813	6.006337084	-0.087958443	0.001161108	0.020540051
<i>GLRX5</i>	11.13039838	8.88001383	-0.325871402	0.001156552	0.020540051
<i>CEP63</i>	2.591438969	2.392572106	-0.115191012	0.001161108	0.020540051
<i>MZT2B</i>	30.4515556	33.11891798	0.121139611	0.001170269	0.020634791

SMIM5	1.046862827	0.25874174	-2.016487704	0.001170269	0.020634791
ASTE1	2.529104821	2.358707463	-0.100630332	0.001174875	0.02064885
ZNF222	1.476397646	1.333197264	-0.147191081	0.001174875	0.02064885
TMEM140	49.85304181	56.77750246	0.187637855	0.001179497	0.020696547
RNF181	59.00067446	64.40521052	0.126445964	0.001188792	0.020825951
ZSWIM6	4.732760468	4.049990953	-0.224763222	0.001193465	0.020840479
MINPP1	8.896573759	9.87742007	0.150884433	0.001193465	0.020840479
ALDOA	321.4147362	358.2944178	0.156709491	0.001198155	0.020855209
UBE2E1	16.20207314	15.02748597	-0.108574752	0.001198155	0.020855209
SETMAR	3.022963032	1.878285403	-0.686547041	0.001202862	0.020903586
SLC39A1	52.41940392	57.45862205	0.132422447	0.001207586	0.020952104
ZNF552	1.908827293	1.766585539	-0.11172297	0.001212327	0.02096727
GAS1	1.898906688	1.027011004	-0.886717374	0.001212327	0.02096727
SPIN1	26.3549949	23.7367728	-0.15095261	0.001221861	0.02109851
ZNF620	0.807802655	0.727605542	-0.150846356	0.001246	0.021447023
MGME1	8.073807518	8.845829287	0.131748207	0.001246	0.021447023
SMAD4	6.111865434	5.519138462	-0.1471697	0.001260694	0.021631272
INHBE	0.65194021	1.528603007	1.229402208	0.001260694	0.021631272
KYAT3	9.320711777	8.094467924	-0.20350388	0.001265627	0.021647416
PPIL6	0.901842111	1.034288406	0.197691747	0.001265627	0.021647416
TEAD2	8.058136687	6.81538607	-0.241650894	0.001275547	0.021680309
RNF149	18.75167437	21.51451591	0.198290956	0.001275547	0.021680309
PGLS	15.94883432	17.61309958	0.143197836	0.001270578	0.021680309
MMP2	21.88034743	16.23005985	-0.430967326	0.001275547	0.021680309
TYSND1	4.561786142	5.12569848	0.1681498	0.001280534	0.021731011
PDF	1.564120362	1.883825221	0.268313585	0.001295604	0.021918138
RBM23	4.847440554	4.375705883	-0.147707437	0.001295604	0.021918138
FAM149A	9.633184972	11.04215862	0.196937457	0.001305741	0.021918655
LPCAT1	36.43283303	44.84160814	0.299598834	0.001300663	0.021918655
PASK	1.097835197	0.881890699	-0.315989733	0.001305741	0.021918655
AQP2	3.081602952	1.209155013	-1.349681782	0.001302924	0.021918655
CGRRF1	2.821794383	2.409155635	-0.22808527	0.001305741	0.021918655
ZNF684	1.598455836	1.323331432	-0.27250445	0.001310836	0.021970186
UCN	0.942463339	1.220139346	0.372537516	0.001321083	0.021972126
IRF2BPL	8.871982343	7.535052374	-0.235638955	0.001321083	0.021972126
PPP1R12B	4.08285974	3.076357001	-0.408357074	0.001315951	0.021972126
C4A	11.1749638	14.9025027	0.415284477	0.001321083	0.021972126
CREB3L3	6.531654541	8.484714289	0.377417591	0.001321072	0.021972126
BID	5.416513036	5.996503187	0.146757057	0.001331404	0.022008755
UBA3	8.877702524	8.178899322	-0.118279662	0.001326234	0.022008755
BIK	0.87546745	0.450904958	-0.957230165	0.001331404	0.022008755
PBX3	3.994657488	3.333696673	-0.260948966	0.001331404	0.022008755
ANGPTL4	317.9608713	368.7068437	0.213624958	0.001336592	0.022027362
RPP14	1.99577428	1.775255793	-0.168921648	0.001336592	0.022027362

<i>GPRIN1</i>	1.244002729	1.466601468	0.237487238	0.001352269	0.022076126
<i>SLCO4C1</i>	19.74970788	24.85257183	0.331563841	0.001347024	0.022076126
<i>VASN</i>	26.43625077	30.17413087	0.19079463	0.001357532	0.022076126
<i>MIGA2</i>	2.579887077	2.15579402	-0.25908858	0.001357532	0.022076126
<i>CD68</i>	1.608630958	2.050260542	0.349973865	0.001357532	0.022076126
<i>GDF11</i>	2.012002988	1.672217595	-0.26686986	0.001357532	0.022076126
<i>ERBB3</i>	23.64523017	28.60901552	0.274920667	0.001357532	0.022076126
<i>FOXI1</i>	12.24769112	0.0934154	-7.034633679	0.001357873	0.022076126
<i>SUPT16H</i>	13.72218743	12.52431476	-0.131778806	0.001352269	0.022076126
<i>C10orf99</i>	10.02254724	28.09144896	1.486881823	0.001362149	0.022112488
<i>SLC26A1</i>	2.132361126	2.610294455	0.291760773	0.001373435	0.022262372
<i>PNRC2</i>	27.93526714	24.93410098	-0.16396743	0.001378774	0.022282301
<i>ZNF264</i>	3.201368655	3.025970626	-0.081290838	0.001378774	0.022282301
<i>AKT1S1</i>	8.483859474	9.161862902	0.11092025	0.001384132	0.022302419
<i>ZBTB34</i>	2.328628436	2.144165999	-0.119063854	0.001384132	0.022302419
<i>PRAP1</i>	14.30899728	21.39155748	0.580118949	0.001389508	0.022355827
<i>ARHGAP6</i>	2.887183659	2.241850442	-0.364972847	0.001394906	0.022409425
<i>PPP2R5E</i>	5.005262843	4.487212602	-0.157626292	0.001400322	0.022463155
<i>HP1BP3</i>	22.26126222	20.54589333	-0.115685336	0.001405757	0.022483825
<i>KXD1</i>	14.22226889	14.96202601	0.073153906	0.001405757	0.022483825
<i>TMPRSS3</i>	3.056721057	1.840811549	-0.731642964	0.001411212	0.022537828
<i>MFSD14C</i>	1.682324108	1.513416138	-0.152646941	0.001416687	0.022591984
<i>RCN2</i>	4.439176202	4.020837412	-0.142795974	0.00142218	0.022646291
<i>SMAD2</i>	2.324132164	2.228069988	-0.06089756	0.001427694	0.022667516
<i>CALM1</i>	62.13962741	55.06084696	-0.174486789	0.001427694	0.022667516
<i>MTERF4</i>	2.717083889	2.457242795	-0.145018694	0.00143878	0.022776835
<i>CREB3L1</i>	2.761969638	1.598884357	-0.788631864	0.00143878	0.022776835
<i>MOGS</i>	17.58999266	19.44985789	0.145004734	0.001444353	0.022798491
<i>PSMD6</i>	4.782447355	4.273838398	-0.16221673	0.001444353	0.022798491
<i>ZFYVE21</i>	4.758332343	4.214076848	-0.175239416	0.001455558	0.022842365
<i>IGF2</i>	59.39521729	10.75192659	-2.465751572	0.001455558	0.022842365
<i>NPTN</i>	34.60598396	30.22137784	-0.195452089	0.001449946	0.022842365
<i>PDCD6</i>	9.369111958	9.967009667	0.089248418	0.001455558	0.022842365
<i>MCTP2</i>	1.865275423	2.357972544	0.338158248	0.001466844	0.022886983
<i>SRSF5</i>	32.89583799	27.97477008	-0.233778791	0.001466844	0.022886983
<i>S100A9</i>	29.5951619	37.02472522	0.323127679	0.001466844	0.022886983
<i>GSTA1</i>	171.0544834	247.3962401	0.532367656	0.001466844	0.022886983
<i>DAAM1</i>	1.795369226	1.502458836	-0.256955106	0.001472517	0.02290957
<i>DSTN</i>	93.5581912	82.49120848	-0.181623598	0.001472517	0.02290957
<i>PLOD2</i>	36.40794234	49.37530193	0.439536364	0.00147821	0.022965195
<i>AP2A1</i>	10.22446167	11.19139604	0.130365127	0.001483923	0.023020976
<i>RECK</i>	3.444197438	2.933239377	-0.231673035	0.001489657	0.023076912
<i>SQOR</i>	17.99158856	20.20613443	0.167470776	0.001495411	0.023133005
<i>PLPP4</i>	0.896834	0.258338122	-1.795580422	0.001501113	0.02318814

TREM2	20.80147147	24.61459569	0.242828456	0.001506981	0.023245659
HOXA9	4.219231924	5.088149616	0.270160701	0.001512796	0.023302222
TTC8	2.052033146	1.826794698	-0.167739527	0.00152449	0.023415821
TARDBP	15.20951275	14.26376088	-0.092619513	0.00152449	0.023415821
ZNF501	0.78298707	0.646683936	-0.275927712	0.001542186	0.023654131
F12	2.193329836	2.588125805	0.238784963	0.001548127	0.023711712
ZNF180	1.869319495	1.73570781	-0.106989065	0.001554089	0.023735974
COQ8B	6.287479876	6.886490365	0.131287037	0.001554089	0.023735974
NCALD	4.57113053	3.484254374	-0.391701062	0.001560072	0.023793841
ACTC1	1.289903708	0.758694423	-0.765672533	0.001566075	0.023818415
ZNF776	3.874662502	3.477042742	-0.15620985	0.001566076	0.023818415
CNGA1	0.670989607	0.359010327	-0.902265077	0.001584217	0.023993358
ZDHHC23	1.538361325	1.132261388	-0.442187349	0.001584217	0.023993358
ATG3	7.262650578	6.611808906	-0.135451142	0.001584217	0.023993358
C1QTNF12	1.054535124	1.571506737	0.575541307	0.001596417	0.024144422
ECH1	86.9808796	100.0426525	0.201845011	0.001608705	0.02429637
RIOX2	1.828209351	1.435756877	-0.348619813	0.001633541	0.024568816
XPA	6.671546054	6.080587439	-0.133810421	0.001633541	0.024568816
NR2F1	10.44784814	7.284554407	-0.520293201	0.001633541	0.024568816
MED28	4.793044404	4.482380965	-0.096677034	0.001639805	0.024594803
ZNF703	3.737041599	3.051016715	-0.292606539	0.001639805	0.024594803
PPP3CB	9.15038747	8.37175324	-0.128303047	0.001658729	0.024810015
CRBN	5.302636777	4.859189012	-0.125994378	0.001658729	0.024810015
ST3GAL1	11.20038731	8.688359193	-0.366392968	0.001665082	0.02483652
ZNF506	2.248763648	2.160292509	-0.057905367	0.001665082	0.02483652
EIF4A2	58.40697942	52.37184696	-0.157349292	0.001671457	0.024863212
CD151	104.5564539	118.6950665	0.182977855	0.001671457	0.024863212
PRDM2	3.389273204	3.057809858	-0.148477236	0.001677855	0.024924188
NPTX2	50.56633296	83.73488927	0.727651707	0.001684275	0.024951197
IRX5	2.405388733	3.523135903	0.550590061	0.001684275	0.024951197
EXOGEN	1.208356999	1.098938885	-0.136935594	0.001690718	0.02501247
NSRP1	7.430209987	6.992097509	-0.08767768	0.00171018	0.025163109
ABHD15	6.686219936	7.637111175	0.191836214	0.001710182	0.025163109
ZNF345	1.171481156	1.037859559	-0.174722513	0.001710182	0.025163109
ATRAID	53.57076699	55.77394942	0.058145482	0.001703671	0.025163109
PUS7	3.640751279	4.129904725	0.181872315	0.001716716	0.025225018
MECP2	4.646233452	4.20271086	-0.14474144	0.00171999	0.025238927
RASL11B	1.108370581	0.392913895	-1.49615523	0.001723272	0.025252924
COL4A4	3.093012126	2.292685149	-0.431974244	0.001729852	0.025281017
CRTAC1	4.878716994	2.749426411	-0.827371124	0.001729852	0.025281017
PDCL	8.793948349	7.698112047	-0.192006389	0.001736455	0.025309295
ATIC	14.52403133	16.2788052	0.164552869	0.001736455	0.025309295
ZNF814	0.98273157	0.922356525	-0.091472889	0.001743081	0.025337758
CTNNAL1	8.389769904	6.798992801	-0.303310202	0.001743081	0.025337758

<i>PSMC6</i>	6.96019547	6.350075333	-0.132354116	0.00174973	0.025400364
<i>SMARCD3</i>	3.054520155	2.416450905	-0.338056076	0.001763098	0.025526088
<i>AASS</i>	2.341978728	1.973600233	-0.246898181	0.001763098	0.025526088
<i>PRR7</i>	1.402465434	1.779893715	0.34382588	0.001776561	0.0256867
<i>BABAM2</i>	15.23464851	16.4950202	0.11467433	0.001783327	0.025750201
<i>FGGY</i>	3.766293509	4.525698808	0.26499514	0.001790118	0.025813875
<i>IL11RA</i>	1.910253058	1.552157123	-0.299489163	0.001796931	0.025877722
<i>CDC14A</i>	2.021057696	1.760132964	-0.19942609	0.001803769	0.025907383
<i>DDX41</i>	24.03174986	26.98989745	0.167477794	0.001803769	0.025907383
<i>GATAD2B</i>	5.515588651	5.002724444	-0.140800876	0.001810631	0.025971538
<i>SDF4</i>	34.34955051	37.38422579	0.122138435	0.001817517	0.026001518
<i>DGKE</i>	1.107664182	0.922629353	-0.263697459	0.001817517	0.026001518
<i>APLP2</i>	117.6130996	102.8435753	-0.193597084	0.001824426	0.026065982
<i>HOXA10</i>	3.784036097	4.540275348	0.262853942	0.00183136	0.02613062
<i>YPEL4</i>	0.602960068	0.532424317	-0.179485996	0.001852308	0.026360135
<i>IL7</i>	1.399438502	1.738976691	0.313390506	0.001852308	0.026360135
<i>ZNF544</i>	3.243058166	2.976115444	-0.12392441	0.001859339	0.026425516
<i>TCIM</i>	32.01605816	21.84172825	-0.551708678	0.001866394	0.026456445
<i>ATP8B1</i>	4.972737048	4.03780015	-0.300470639	0.001866394	0.026456445
<i>ACMSD</i>	17.89535942	22.453367	0.327346281	0.001873475	0.026522139
<i>ZBTB4</i>	23.11997648	20.57571143	-0.168197616	0.00188058	0.026588011
<i>GALT</i>	4.751095	4.261584373	-0.156870159	0.001887709	0.026654061
<i>CCDC151</i>	1.045718323	0.519135193	-1.010312097	0.001909247	0.026853281
<i>APBA1</i>	0.860992955	0.693195372	-0.31273941	0.001909247	0.026853281
<i>LOX</i>	47.1502102	73.39968367	0.638509643	0.001909247	0.026853281
<i>CDK2AP2</i>	40.44829012	46.92839833	0.214382506	0.001916477	0.026920046
<i>CCDC66</i>	0.932775553	0.847784888	-0.137831728	0.001931011	0.027089115
<i>EPHA1</i>	1.109132507	0.791071425	-0.487551868	0.001938316	0.027121421
<i>RCAN3</i>	2.746196779	2.293562684	-0.259844668	0.001938316	0.027121421
<i>ARHGAP5</i>	9.669992627	8.305573942	-0.219434923	0.001953003	0.027221542
<i>GSTM3</i>	7.271983412	5.134300416	-0.502181196	0.001953003	0.027221542
<i>OXNAD1</i>	1.632132554	1.349895344	-0.27391067	0.001953003	0.027221542
<i>SERHL2</i>	0.617621309	0.439256247	-0.491659725	0.001960384	0.027254363
<i>LHFPL2</i>	6.873611811	8.632304877	0.328677442	0.001960384	0.027254363
<i>SEL1L3</i>	20.76088672	24.57655676	0.243414741	0.001990166	0.027527249
<i>ZDHHC14</i>	1.524104954	1.291354406	-0.239077258	0.001982682	0.027527249
<i>FASN</i>	5.607640821	5.935479985	0.081970756	0.001990166	0.027527249
<i>CBX1</i>	19.27677017	17.89906429	-0.106979178	0.001990166	0.027527249
<i>RHOBTB1</i>	15.91734002	20.02803676	0.331421744	0.002012773	0.027733839
<i>SETD5</i>	6.65209492	6.124383614	-0.119244103	0.002012775	0.027733839
<i>ZNF765</i>	0.886167861	0.818904937	-0.113884018	0.002012775	0.027733839
<i>ZFYVE1</i>	6.487664018	5.580202988	-0.217381504	0.002020363	0.027803072
<i>CCDC174</i>	4.798755416	4.372228398	-0.134291516	0.002027978	0.027837208
<i>G2E3</i>	1.589110949	1.41740921	-0.164963527	0.002027978	0.027837208

<i>FABP6</i>	16.24810258	20.39251949	0.327768778	0.00205098	0.02811736
<i>EDC3</i>	5.221833982	4.828346427	-0.1130274	0.002058701	0.028187566
<i>VPS33A</i>	2.473433657	2.662916766	0.106492132	0.002074222	0.02822191
<i>HSPB7</i>	1.610519146	0.674651964	-1.255310463	0.002066448	0.02822191
<i>MAP3K14</i>	7.353924921	8.37203798	0.187064409	0.002074222	0.02822191
<i>NEK9</i>	8.279469139	7.536179725	-0.135704897	0.002066448	0.02822191
<i>LARP7</i>	10.12255762	9.321148538	-0.118994217	0.002074222	0.02822191
<i>ACTR10</i>	12.80812696	11.60572416	-0.142222968	0.002082023	0.028292548
<i>PLCG2</i>	5.380498416	2.620385457	-1.037960774	0.00208985	0.028363374
<i>ZNF85</i>	1.168226751	1.035993979	-0.173304707	0.002097705	0.02839889
<i>TMF1</i>	7.044877861	6.418932368	-0.134241334	0.002097705	0.02839889
<i>KDELC1</i>	6.639991268	8.501451602	0.356527855	0.002105586	0.028399228
<i>ZNF430</i>	1.284201629	1.192918852	-0.106375826	0.002105586	0.028399228
<i>DNAJC18</i>	2.807101057	2.488746799	-0.173661542	0.002105586	0.028399228
<i>FBXO7</i>	14.84331877	13.61067797	-0.125074764	0.00212143	0.028541936
<i>TTC7B</i>	1.636874772	1.434078289	-0.190820168	0.002121431	0.028541936
<i>MED7</i>	5.318353982	4.902969708	-0.117323956	0.002129395	0.028578162
<i>NAA35</i>	4.371811325	3.968104661	-0.139781062	0.002129395	0.028578162
<i>NMRK2</i>	11.57047549	1.86873543	-2.630313918	0.002154219	0.028698222
<i>N4BP3</i>	1.845216684	1.517172652	-0.282404971	0.002153449	0.028698222
<i>PTPRG</i>	10.32844412	8.423447953	-0.294140148	0.002145404	0.028698222
<i>EAPP</i>	18.47449134	16.23703946	-0.186246037	0.002145404	0.028698222
<i>HS1BP3</i>	7.947490109	9.120056871	0.198543505	0.002153449	0.028698222
<i>MED27</i>	5.674584078	4.864703579	-0.222162753	0.002153449	0.028698222
<i>POLDIP2</i>	52.59613735	56.19458251	0.095474201	0.002157481	0.028706409
<i>RBBP7</i>	11.58025155	11.06892148	-0.065151935	0.002161523	0.028724943
<i>SLC6A8</i>	76.1800093	93.82246168	0.30052089	0.002169624	0.028762107
<i>THOC6</i>	13.33472055	15.00638457	0.170388845	0.002169624	0.028762107
<i>NUPR2</i>	2.663333774	0.099345876	-4.744629345	0.002196696	0.02908544
<i>PDIA4</i>	62.12743006	73.32548854	0.239084401	0.002202308	0.029088706
<i>NOMO1</i>	7.834034482	8.841267795	0.174497782	0.002202308	0.029088706
<i>ST3GAL6</i>	2.433092371	1.478203843	-0.718945863	0.002218819	0.02927113
<i>KLHDC1</i>	1.440372577	1.221476736	-0.237815651	0.002235443	0.029418858
<i>COA4</i>	19.51483989	21.36991678	0.131009664	0.002235443	0.029418858
<i>FAM20A</i>	2.534089234	3.57797293	0.497675145	0.002243796	0.029492992
<i>SORT1</i>	15.58085677	12.72703612	-0.291878085	0.002277503	0.029863656
<i>GNAQ</i>	19.01222737	17.22856878	-0.142124702	0.002277503	0.029863656
<i>CD300LB</i>	0.718010506	0.894991788	0.317869491	0.002286002	0.029938892
<i>NNMT</i>	237.9694621	289.765188	0.284107833	0.002294529	0.029978164
<i>CHMP2B</i>	12.85691158	11.57309838	-0.151768969	0.002294529	0.029978164
<i>BLVRB</i>	34.02448289	39.69161298	0.222260956	0.002307374	0.030109699
<i>BBX</i>	7.410091787	6.444925409	-0.201327751	0.002311672	0.030129534
<i>SLC22A23</i>	2.439026719	1.99467053	-0.290155093	0.002328932	0.030318055
<i>DCAF5</i>	8.45547256	7.821978743	-0.112351771	0.002337606	0.030358087

ASF1B	2.822384649	3.235626789	0.197130591	0.002337606	0.030358087
TNRC6B	2.276189355	2.268905081	-0.004624324	0.002363807	0.030515619
ATP6V0A4	14.29364508	0.317175473	-5.493948847	0.002357612	0.030515619
PITPNB	12.1777103	11.25362795	-0.113852724	0.002363807	0.030515619
ZNF329	3.487138466	3.138488492	-0.151973732	0.002355044	0.030515619
ZNF283	0.786244015	0.781105744	-0.009459259	0.002363807	0.030515619
KLHL2	5.139009157	4.404783497	-0.222419113	0.002381423	0.030670009
B4GALT5	31.40950572	37.51464222	0.256252559	0.002381423	0.030670009
AL162231.1	0.639301926	0.516885096	-0.306653838	0.002390276	0.030747509
CCL15-CCL14	0.997751843	1.206470829	0.27404009	0.00239847	0.030816357
KLF5	5.32625474	3.007796058	-0.824414681	0.002408072	0.030866589
ZNF548	3.397751585	3.137932041	-0.114766271	0.002408072	0.030866589
MANSC1	4.638082551	3.881220323	-0.257018166	0.002417016	0.030908159
HCFC1R1	75.44349849	87.29961169	0.210578658	0.002417016	0.030908159
TCF7	1.223162539	0.846834177	-0.530464727	0.00242599	0.030949922
EIF3B	19.53271799	21.38093514	0.130432238	0.00242599	0.030949922
FTH1	269.6461149	298.7828368	0.148030029	0.002462192	0.031338036
PLN	16.28509739	11.3664172	-0.518774773	0.002462192	0.031338036
VRK1	2.612893928	2.41014634	-0.116527812	0.002471319	0.031417331
METTL9	24.2197332	27.93030654	0.205648435	0.002480477	0.031423244
S100A14	3.109466705	1.982186116	-0.64957474	0.002480477	0.031423244
CRP	2.506466284	7.886501185	1.653730569	0.002477033	0.031423244
LAMTOR2	23.25675124	24.52775737	0.076765752	0.002498887	0.031545906
C14orf132	1.772961915	1.111317162	-0.673890936	0.002498887	0.031545906
EXOSC7	4.52960241	3.224164614	-0.490459017	0.002498887	0.031545906
MBOAT1	2.814081217	2.160075229	-0.381582409	0.002508139	0.031625882
IGF1R	10.37164824	8.53790278	-0.280691542	0.002517422	0.031669286
WSB2	19.52782793	21.79001673	0.158135816	0.002517422	0.031669286
SEC61G	28.68572313	32.63797474	0.18621865	0.002536082	0.031867066
C22orf46	2.836219018	2.573133096	-0.140442861	0.00254546	0.031910947
WDR6	18.91136932	16.63918973	-0.184668648	0.00254546	0.031910947
MEGF9	7.872185386	6.444272081	-0.288746789	0.002550159	0.031932935
TXNDC17	7.40785847	7.900729608	0.092929352	0.00256431	0.032073106
FAM207A	7.163988154	7.622396084	0.089481625	0.002573783	0.032154502
RCN1	17.19907408	19.7875157	0.202259596	0.002602395	0.032288752
NDUFA4L2	514.5694173	629.2761468	0.290327542	0.002592826	0.032288752
SLC49A3	4.109676536	3.286791608	-0.322344859	0.002602395	0.032288752
TLE3	5.767941388	6.366086538	0.142350264	0.002602395	0.032288752
ITPKB	8.536340984	7.24245019	-0.237139948	0.002592826	0.032288752
BBC3	3.068402266	3.640308821	0.246573213	0.002602395	0.032288752
SP2	9.162923023	8.225700006	-0.155669442	0.00262163	0.032490238
KIT	7.152316217	2.506862239	-1.512527805	0.002650727	0.032701349
SEMA6D	1.623400393	1.05126804	-0.62688831	0.002650727	0.032701349
MRPS34	44.71345672	48.79960413	0.126160362	0.002650727	0.032701349

<i>NEDD4L</i>	6.881620663	4.770414882	-0.528633626	0.002650727	0.032701349
<i>PLPPR5</i>	1.489845299	1.928528971	0.372338285	0.002659338	0.032747299
<i>BRPF1</i>	3.609154014	3.329961535	-0.116155196	0.002660492	0.032747299
<i>SUSD1</i>	4.435030555	3.299981965	-0.426485904	0.002680119	0.032802721
<i>AK3</i>	16.14024937	13.79125251	-0.226909381	0.002670289	0.032802721
<i>FAM216A</i>	2.555512254	3.009541125	0.235931022	0.002680119	0.032802721
<i>NR1H4</i>	11.95870294	15.25239582	0.350974955	0.002680119	0.032802721
<i>PLOD3</i>	20.79202778	24.92250898	0.261418847	0.002680119	0.032802721
<i>C3orf38</i>	4.85372162	4.389474865	-0.145043013	0.002689982	0.032812338
<i>NME4</i>	19.33938566	23.1495313	0.259441018	0.002689982	0.032812338
<i>MFAP2</i>	1.744175162	0.853598048	-1.030916151	0.002689982	0.032812338
<i>ADGRF5</i>	40.49563767	30.36443448	-0.415384004	0.002699879	0.032896051
<i>ZNF493</i>	1.004912707	0.922442682	-0.12353901	0.002729768	0.032963925
<i>TSPYL4</i>	8.726673404	7.453374637	-0.227538028	0.002729768	0.032963925
<i>SMC5</i>	5.313890003	4.764328807	-0.157495381	0.002729768	0.032963925
<i>RCC1</i>	5.725127415	6.792281064	0.246588357	0.002719771	0.032963925
<i>RAB25</i>	3.601472186	0.546822647	-2.719441862	0.002717382	0.032963925
<i>HSP90AA1</i>	120.0717422	100.1269857	-0.262065812	0.002729768	0.032963925
<i>CCDC8</i>	6.791260967	4.762057539	-0.512094419	0.002729768	0.032963925
<i>DMKN</i>	3.199575258	2.241159251	-0.513635234	0.002709808	0.032963925
<i>NCLN</i>	15.04056393	16.18486503	0.105786674	0.002739798	0.033011523
<i>ZSCAN18</i>	4.605927372	4.021421302	-0.195786175	0.002739798	0.033011523
<i>RHOBTB2</i>	4.939918673	4.126299532	-0.259638739	0.002770091	0.033333947
<i>SLC17A5</i>	12.48304885	14.33406439	0.199477401	0.002780256	0.033424718
<i>HNRNPH3</i>	23.65587714	21.67903896	-0.125897853	0.002790455	0.033436129
<i>UBE2E2</i>	7.145950217	6.242240076	-0.195062019	0.002790455	0.033436129
<i>BAG1</i>	9.411236386	7.34327793	-0.357960063	0.002790455	0.033436129
<i>LENG9</i>	1.435830495	1.718508845	0.259271833	0.002810957	0.033644606
<i>TTC39A</i>	4.763510567	6.219060825	0.384671538	0.002841967	0.033754967
<i>SPRED2</i>	11.06935017	9.526002567	-0.216627687	0.002831595	0.033754967
<i>ZNF433</i>	1.810786751	1.588790453	-0.188687797	0.002841967	0.033754967
<i>PSMD3</i>	19.23725542	20.45270285	0.088388526	0.002841967	0.033754967
<i>SESN2</i>	7.389701307	8.011352375	0.116529749	0.002841967	0.033754967
<i>ZDHHC2</i>	5.950347941	4.85505642	-0.29348597	0.002831595	0.033754967
<i>RPL39L</i>	3.640005651	3.357499613	-0.116553456	0.002831595	0.033754967
<i>PPP1R13B</i>	3.728419718	3.20499668	-0.218241415	0.002852372	0.03380451
<i>C1QTNF2</i>	0.733878061	0.547496827	-0.422689765	0.002852372	0.03380451
<i>ZNF529</i>	2.057508498	1.873008596	-0.135540869	0.002862813	0.033891206
<i>ACTR8</i>	4.932221777	4.494815655	-0.133975724	0.002873289	0.033978126
<i>ANO6</i>	26.00006559	29.82936545	0.198218025	0.002883799	0.034065269
<i>OCEL1</i>	10.70203135	12.12316268	0.179881457	0.002894345	0.034115514
<i>ARL14EP</i>	4.928280301	4.556782602	-0.11306877	0.002894345	0.034115514
<i>HDGF</i>	67.73918416	73.52650497	0.118273798	0.002904925	0.034128939
<i>MNAT1</i>	3.006851748	2.676405803	-0.167956861	0.002904925	0.034128939

ZNF583	0.663584842	0.572584434	-0.212792481	0.002904925	0.034128939
TOR3A	8.991702181	9.53765745	0.085040717	0.002915541	0.034216593
EXOSC5	13.09731326	14.72284175	0.168785269	0.00293688	0.034406675
DPP3	7.824717886	8.490855901	0.117871251	0.002947602	0.034406675
METTL3	4.430735901	3.937251895	-0.170357321	0.002947602	0.034406675
KCNK2	0.471987027	0.821930698	0.80026955	0.002946349	0.034406675
FTCDNL1	1.035886536	1.212070334	0.226607429	0.002947602	0.034406675
OSCAR	2.305888958	2.637691343	0.193952713	0.002969155	0.034509663
MFSD6	7.515581693	6.43621931	-0.223671285	0.002969155	0.034509663
PLA2G4F	1.789455197	0.039353957	-5.506867911	0.002959734	0.034509663
FBXO32	4.452316824	3.823018775	-0.219843972	0.002969155	0.034509663
HFE	4.499958552	5.144273687	0.193055686	0.002979985	0.034598454
NT5C3A	9.886077705	10.46531611	0.082145738	0.002990851	0.034650414
HUS1	3.51906788	3.272507234	-0.104796961	0.002990851	0.034650414
ZNF79	2.480371604	2.236143779	-0.149543325	0.003001753	0.034739606
SECISBP2	5.061629808	4.547609977	-0.154493469	0.003012692	0.034791935
ANGPTL1	1.589407598	0.69350514	-1.196510666	0.003012692	0.034791935
ZNF778	1.122320645	0.962685421	-0.221348563	0.003023666	0.034844461
USH1C	29.16852645	34.78278299	0.253960863	0.003023666	0.034844461
MRPL50	8.412213614	7.403920538	-0.184196074	0.003034678	0.034934229
SLC17A2	1.381704424	2.215004702	0.680860736	0.003039818	0.034956298
DKK3	19.91589888	15.98756711	-0.31697018	0.00305681	0.035077297
INPP4A	2.437698281	2.141845303	-0.186665288	0.00305681	0.035077297
ACSM5	10.12947776	12.22827634	0.271661264	0.003101517	0.035552691
AHCYL2	6.821573042	5.130928026	-0.410884672	0.003112786	0.035585779
HNF1A	3.434831954	4.157108337	0.275340828	0.003124093	0.035585779
SREBF2	13.0761016	11.11099699	-0.234944216	0.003124093	0.035585779
TNFAIP6	32.46421131	41.30847387	0.347587601	0.003124093	0.035585779
GPT	5.837180533	6.871745514	0.23540492	0.003124093	0.035585779
PCBP4	3.795270226	3.000729995	-0.338889099	0.003118432	0.035585779
THAP8	3.470837193	3.799600794	0.130564155	0.003146819	0.035694668
NLRC4	1.173232636	1.482120573	0.33717371	0.003146819	0.035694668
TWSG1	13.83195771	12.66609998	-0.127032991	0.003146819	0.035694668
FBXO2	2.829742698	1.440659383	-0.973941601	0.003146819	0.035694668
ERICH2	2.137568405	2.849775847	0.414877858	0.003158238	0.035786765
TDRD3	4.194814018	5.272425187	0.329859871	0.00316396	0.035814173
ZNF675	0.938783751	0.883669259	-0.087286374	0.00318119	0.035934195
ZNF667	0.629841076	0.543242303	-0.21339202	0.00318119	0.035934195
MSI2	4.418239567	3.611413006	-0.290908229	0.003204294	0.036119925
CFD	9.960488279	12.9335615	0.376831231	0.003204294	0.036119925
PROSER2	3.316974301	2.568191857	-0.369114852	0.003215904	0.036213146
ZBTB8A	0.84232054	0.706772955	-0.253122512	0.003239237	0.03643806
C19orf38	1.796211599	2.032650502	0.178404863	0.003250962	0.036521395
FXRD4	5.393023816	0.494290102	-3.447664482	0.003253381	0.036521395

WDR48	5.388559789	4.844039871	-0.153688993	0.003286368	0.036777477
TMEM219	47.91535452	48.08375452	0.005061507	0.003286368	0.036777477
FAM122B	7.700405873	7.171436743	-0.102672309	0.003286368	0.036777477
TAF15	20.37568057	18.85163521	-0.112158578	0.003298248	0.036834398
MTUS1	6.697867865	5.630953387	-0.250322707	0.003298248	0.036834398
PGAM1	28.48827321	32.49706089	0.189941067	0.003322125	0.036910988
CRABP2	4.767066586	1.366030998	-1.803111555	0.003322125	0.036910988
DYNC1LI1	4.648740289	4.263186994	-0.124907492	0.003322125	0.036910988
LARGE1	1.429563866	1.202056037	-0.250070921	0.003322125	0.036910988
C3	213.7487183	290.8622057	0.444420078	0.003310167	0.036910988
RAB12	19.09884032	17.41819384	-0.132890008	0.00334616	0.03702628
RIDA	42.68165428	50.19191578	0.23383892	0.00334616	0.03702628
NOL3	33.60536058	39.3801205	0.228776142	0.00334616	0.03702628
LIN7C	9.057561819	8.56701838	-0.080329564	0.00334616	0.03702628
PBRM1	4.114106351	3.66665807	-0.166113353	0.003358236	0.037122031
DCAF1	4.554722249	4.043904298	-0.171614225	0.003370352	0.037180163
METAP1	10.72241339	9.753490901	-0.136639087	0.003370352	0.037180163
SLC25A43	9.105705328	10.32362822	0.181107414	0.003382508	0.037276342
SFRP1	4.651136686	1.320148804	-1.816882782	0.003394704	0.037334861
PRR15L	8.772338792	3.46613574	-1.339633377	0.003394704	0.037334861
SERPINF2	82.96792214	108.1781172	0.382783133	0.00340694	0.037376997
CYBA	37.40979597	42.71928546	0.191471419	0.003419216	0.037376997
DNAJC8	30.70530307	28.68394409	-0.098244432	0.00340694	0.037376997
THTPA	2.868095747	2.472027819	-0.214398208	0.003419216	0.037376997
NTN1	1.349820308	0.385525131	-1.807870552	0.003419216	0.037376997
NDRG4	1.100546914	0.690055967	-0.673435364	0.003419216	0.037376997
ATP6V1A	36.4015187	24.99785068	-0.542194585	0.003431533	0.037436156
ZNF844	3.463590353	2.905963032	-0.253251959	0.003431533	0.037436156
INPP4B	3.216599013	2.521948538	-0.350997261	0.003443889	0.037457909
FGF1	2.085683343	1.278727186	-0.705811638	0.003443889	0.037457909
ZFP30	1.387261454	1.30943234	-0.083298199	0.003443889	0.037457909
CHMP5	36.70719256	32.74643679	-0.164724846	0.003456286	0.03755508
CBX4	5.73821984	6.517273275	0.183665249	0.003468724	0.037614846
SACM1L	6.830538235	5.301103351	-0.365706597	0.003468724	0.037614846
HNRNPA2B1	70.54564078	65.53979054	-0.106185875	0.003481203	0.037637251
FHDC1	0.965265183	0.591197756	-0.707284549	0.003481203	0.037637251
SOBP	0.889388308	0.728767411	-0.287354993	0.003481203	0.037637251
PTCH1	1.097093673	0.895390767	-0.293097366	0.003506282	0.037795354
PDE1A	4.367797283	2.666386955	-0.712019735	0.003506282	0.037795354
FGD1	3.073658342	2.653831681	-0.211879938	0.003506282	0.037795354
GUSB	21.72314304	23.72446373	0.127142621	0.003518884	0.037893521
MYO1D	13.01065794	10.96449853	-0.246854089	0.003531526	0.037954284
NR1H3	7.810255463	8.70251912	0.156063341	0.003531526	0.037954284
WDR18	11.9450903	13.26507216	0.151214763	0.003556936	0.038076416

<i>CIRBP</i>	50.35352728	44.71574885	-0.171309806	0.003556936	0.038076416
<i>NICN1</i>	5.335802735	4.753564664	-0.166695545	0.003556936	0.038076416
<i>ENPEP</i>	55.57709811	68.58883657	0.303483276	0.003556936	0.038076416
<i>INTS12</i>	4.174132721	3.879260023	-0.105694992	0.003569703	0.03810025
<i>DGCR6</i>	0.882666653	1.049866291	0.250265001	0.003569703	0.03810025
<i>PDZD3</i>	1.699805999	2.221410003	0.386105595	0.0035697	0.03810025
<i>ZFP62</i>	6.058873795	5.62258486	-0.107816125	0.003595361	0.038261137
<i>PIIG</i>	9.142322149	8.474082269	-0.109503521	0.003595361	0.038261137
<i>RBBP8</i>	9.896102648	8.059565848	-0.296158339	0.003595361	0.038261137
<i>MRGBP</i>	6.090414663	6.724166234	0.142814935	0.003608254	0.038360689
<i>LDLR</i>	3.404785285	1.81191934	-0.910045087	0.003621188	0.038460492
<i>PRICKLE2</i>	2.3399891	2.040856325	-0.197327189	0.003634164	0.038560547
<i>CDHR5</i>	39.23523539	55.39049894	0.497488678	0.003647183	0.038660854
<i>COLGALT1</i>	27.08366731	30.61016642	0.176587786	0.003660244	0.038723598
<i>DPYS</i>	12.75705692	16.25674875	0.349743221	0.003660244	0.038723598
<i>CEP70</i>	3.92038903	3.387500386	-0.210775713	0.003673348	0.038748817
<i>CISD1</i>	15.35223688	17.73371669	0.208046056	0.003673348	0.038748817
<i>SMNDC1</i>	5.69366349	5.344907	-0.091192383	0.003666788	0.038748817
<i>TTLL1</i>	3.958183131	3.592640279	-0.139793873	0.003699683	0.038762671
<i>RHBDL1</i>	1.360759195	1.813489656	0.414356731	0.003699683	0.038762671
<i>RAB11A</i>	27.74457527	25.84872789	-0.102112435	0.003686494	0.038762671
<i>PHF6</i>	3.300352593	3.068033275	-0.105306033	0.003699683	0.038762671
<i>ING5</i>	1.93066815	1.697038596	-0.186080834	0.003699683	0.038762671
<i>NUDT5</i>	9.280980313	10.43296102	0.168799569	0.003686494	0.038762671
<i>GMEB1</i>	2.367002816	2.18624603	-0.114605658	0.003699683	0.038762671
<i>RRM2</i>	2.432964465	2.882760682	0.244735825	0.003712915	0.038863756
<i>FEZ1</i>	1.779179548	1.495616818	-0.25047151	0.003752869	0.039206277
<i>SGMS1</i>	6.393209271	5.780436287	-0.145361933	0.003752869	0.039206277
<i>RAB5A</i>	13.3157032	12.0242533	-0.147181313	0.003766274	0.039232926
<i>KIAA1217</i>	8.990987633	7.977268146	-0.172584827	0.003766274	0.039232926
<i>WDR82</i>	18.62028826	17.10754132	-0.122242975	0.003766274	0.039232926
<i>TMEM198</i>	1.89112892	2.454436985	0.376144411	0.003779722	0.039335229
<i>RAPGEF3</i>	2.448647554	1.913666129	-0.355645985	0.003793214	0.039400013
<i>DTD1</i>	12.37444719	13.20991495	0.094257102	0.003793214	0.039400013
<i>SLC25A1</i>	49.53408837	55.15822775	0.155154403	0.003820329	0.039643683
<i>PIP4P1</i>	6.367580657	5.630184966	-0.17756301	0.003833953	0.039747018
<i>CPNE2</i>	8.583373096	7.283269822	-0.236958416	0.00384762	0.039812588
<i>TMEM102</i>	4.135944929	4.642379747	0.166647564	0.00384762	0.039812588
<i>RGL3</i>	6.045625721	4.542268101	-0.412478804	0.003888889	0.040201249
<i>CCM2</i>	5.951437239	6.661446525	0.162597377	0.003902734	0.040267601
<i>TBRG4</i>	9.06520488	10.07419626	0.152253211	0.003902734	0.040267601
<i>ABCA8</i>	0.891006757	0.493589308	-0.852125228	0.003916624	0.040334162
<i>NPR2</i>	3.714601544	3.203906143	-0.213375579	0.003916624	0.040334162
<i>POLR2E</i>	27.82352204	30.04710722	0.110921047	0.003930559	0.040400933

<i>VSIG2</i>	3.998706467	1.166957958	-1.776780795	0.003930559	0.040400933
<i>DEPDC7</i>	2.839378591	3.348334335	0.237868365	0.003958564	0.04049686
<i>TM7SF3</i>	33.5664634	39.16982525	0.222722151	0.003944539	0.04049686
<i>GSK3B</i>	7.973593169	7.275193994	-0.132244279	0.003958564	0.04049686
<i>TOPORS</i>	6.593629679	5.96291838	-0.145054273	0.003958564	0.04049686
<i>REC8</i>	2.066732482	1.510261362	-0.452553418	0.003958564	0.04049686
<i>MRVI1</i>	6.818390002	5.357281696	-0.347929964	0.003972635	0.040602498
<i>KCNIP1</i>	0.943909451	0.229968204	-2.037214064	0.003985712	0.040697798
<i>ZNF14</i>	3.398480325	3.163742737	-0.10325748	0.004058015	0.04135819
<i>GLUD2</i>	1.736222126	2.027891776	0.224029128	0.004058015	0.04135819
<i>RGS14</i>	10.86427067	12.54743097	0.207800681	0.004072406	0.041388162
<i>YLPM1</i>	5.024611342	4.449756316	-0.175285676	0.004072406	0.041388162
<i>TAMM41</i>	0.950024683	0.917734135	-0.049888727	0.004072406	0.041388162
<i>CYREN</i>	10.13995184	11.19683008	0.14303955	0.004086843	0.041441366
<i>EPB41</i>	7.133772532	8.828173099	0.307449703	0.004101327	0.041441366
<i>ADAMTSL2</i>	5.157887745	3.554910025	-0.53696733	0.004086843	0.041441366
<i>ZNF550</i>	1.999966378	1.725942048	-0.212591723	0.004101327	0.041441366
<i>PYCR3</i>	3.594333205	4.351070786	0.275646331	0.004115857	0.041441366
<i>AUP1</i>	36.72653057	38.69981775	0.075504156	0.004101327	0.041441366
<i>SLC20A2</i>	5.066507193	4.504728117	-0.169551473	0.004115857	0.041441366
<i>MMAB</i>	5.543587373	5.766499953	0.056876046	0.004115857	0.041441366
<i>NKIRAS1</i>	2.456499167	2.144299166	-0.19609755	0.004101327	0.041441366
<i>ASB13</i>	22.67224731	26.44458569	0.222044972	0.004115857	0.041441366
<i>CAB39L</i>	3.227978033	2.60827792	-0.30753316	0.004130434	0.041472614
<i>LAMA2</i>	1.251401847	0.888431883	-0.494212065	0.004130434	0.041472614
<i>GRPEL2</i>	6.924788681	6.068460205	-0.190439549	0.004130434	0.041472614
<i>PTPRD</i>	2.842962087	1.950172307	-0.543793262	0.004174446	0.041606334
<i>WDR72</i>	8.461610797	6.277283035	-0.430792069	0.004174446	0.041606334
<i>TARBP2</i>	3.764131228	4.268951182	0.18156474	0.004174446	0.041606334
<i>WDR61</i>	5.577888241	5.175839895	-0.107926038	0.004174446	0.041606334
<i>PHKA2</i>	14.76056609	17.48096552	0.244036819	0.004159728	0.041606334
<i>ANAPC13</i>	22.19103388	19.17006154	-0.211121916	0.004159728	0.041606334
<i>COQ10A</i>	2.52710473	2.056992549	-0.296948887	0.004174446	0.041606334
<i>DSG2</i>	32.33108264	23.65751202	-0.45062346	0.004174446	0.041606334
<i>PDGFRA</i>	1.654434324	0.951296749	-0.798370669	0.004204023	0.041824247
<i>GMCL1</i>	7.684094392	8.758480713	0.188805394	0.004204023	0.041824247
<i>APOL4</i>	2.24066631	1.904680558	-0.234378755	0.004233791	0.04192806
<i>FAM192A</i>	13.25700466	12.56483384	-0.077363251	0.004233791	0.04192806
<i>RALGAPA1</i>	1.632230702	1.423581008	-0.197320393	0.004233791	0.04192806
<i>PLA2G4A</i>	2.373244123	1.698380846	-0.482700505	0.004233791	0.04192806
<i>MARK3</i>	5.485377199	5.04742	-0.120044691	0.004233791	0.04192806
<i>DAB2</i>	58.37742692	69.92724409	0.260444025	0.004248746	0.042037774
<i>BRD3</i>	3.941503911	3.50911402	-0.167639381	0.0042788	0.042142879
<i>MCC</i>	3.17681389	2.71529533	-0.226471452	0.004263749	0.042142879

<i>SMIM30</i>	21.64226697	23.2046914	0.100564886	0.0042788	0.042142879
<i>ALDH3B1</i>	8.269284992	9.963333157	0.268865874	0.0042788	0.042142879
<i>TDRD9</i>	0.848072256	0.455932529	-0.895366843	0.0042788	0.042142879
<i>BRD4</i>	7.573182946	7.088868822	-0.095344347	0.0042939	0.042214911
<i>TMEM245</i>	14.58797089	12.58116183	-0.213514069	0.0042939	0.042214911
<i>STRBP</i>	2.292976395	1.937157918	-0.243279936	0.004309047	0.04232546
<i>KIAA0930</i>	8.431690976	9.193059795	0.124723132	0.004324243	0.042397915
<i>PBX1</i>	3.270407287	2.543137436	-0.362860885	0.004324243	0.042397915
<i>SPR</i>	28.84556626	32.5920228	0.17616931	0.004339488	0.042432288
<i>COL4A3</i>	2.487598149	1.994369001	-0.318821085	0.004339488	0.042432288
<i>USP53</i>	3.133382536	2.743024264	-0.191953527	0.004339488	0.042432288
<i>GABPB2</i>	2.102593173	1.909725272	-0.138804622	0.004354781	0.042543467
<i>NAA30</i>	4.000374099	3.46509365	-0.207240577	0.004370124	0.042654923
<i>TRMT10B</i>	3.333895597	2.998372444	-0.153029327	0.004385515	0.042689875
<i>APOB</i>	2.79352407	3.127838456	0.163079752	0.004385515	0.042689875
<i>SLC25A19</i>	1.902901444	2.080743923	0.128898581	0.004385515	0.042689875
<i>CLN3</i>	4.569848655	4.919335446	0.106317048	0.004416445	0.04279886
<i>RFTN2</i>	1.41130329	1.089776845	-0.372995315	0.004416445	0.04279886
<i>MAPRE2</i>	23.67516599	20.11458642	-0.235132466	0.004416445	0.04279886
<i>RC3H2</i>	5.514748431	4.955937518	-0.154137077	0.004400955	0.04279886
<i>C9orf85</i>	1.618729537	1.491111468	-0.118473845	0.004416445	0.04279886
<i>C2orf40</i>	3.573109736	1.76922992	-1.014058677	0.004431983	0.042872818
<i>DECR2</i>	9.752769995	11.90775281	0.28801724	0.004431983	0.042872818
<i>TUBA4B</i>	0.648105285	0.948230555	0.549009684	0.00444756	0.042946991
<i>NPLOC4</i>	11.17625346	12.25657112	0.133118784	0.004447572	0.042946991
<i>DGKA</i>	1.926946321	1.534558084	-0.328493129	0.004494636	0.043285819
<i>MRPL36</i>	10.1884458	11.12420258	0.126767931	0.004494636	0.043285819
<i>CCDC125</i>	1.697381435	1.935247949	0.189207616	0.004494636	0.043285819
<i>RAB11FIP4</i>	1.160001109	0.881477281	-0.396130893	0.004510424	0.043322442
<i>MGAT4B</i>	24.72589873	27.64545727	0.161019474	0.004510424	0.043322442
<i>ZNF562</i>	2.030288204	1.94674925	-0.060617465	0.004510424	0.043322442
<i>FUBP3</i>	10.34498078	9.597039825	-0.10826958	0.004526262	0.043359352
<i>ANKRD12</i>	4.660590689	4.251121187	-0.132669429	0.004526262	0.043359352
<i>KEAP1</i>	18.31458367	19.36046709	0.080120854	0.004526262	0.043359352
<i>QPRT</i>	18.08566139	20.72505224	0.19652938	0.004542151	0.043396549
<i>ZBTB1</i>	6.648415933	6.056730643	-0.134471389	0.004542151	0.043396549
<i>URGCP</i>	6.705432729	7.322213561	0.126949414	0.004542151	0.043396549
<i>ARMC8</i>	3.802628024	3.570529536	-0.090858768	0.00455809	0.043472231
<i>TRADD</i>	15.07058711	16.8456041	0.160636544	0.00455809	0.043472231
<i>GABARAPL2</i>	28.71101485	25.33201374	-0.180642559	0.004606212	0.043892582
<i>SLC2A5</i>	15.45179558	21.15218343	0.453032096	0.004622354	0.044007732
<i>RTRAF</i>	9.511220741	8.820289234	-0.108804554	0.004638548	0.044123168
<i>APRT</i>	40.59401816	43.67064857	0.105396806	0.004654793	0.044200152
<i>PNPLA8</i>	8.222788449	6.624143567	-0.311893771	0.004654793	0.044200152

<i>DDX56</i>	15.61585096	17.09774744	0.13079508	0.004671089	0.044238684
<i>RANBP6</i>	6.323068398	5.719661503	-0.144695057	0.004671089	0.044238684
<i>TNFAIP8L3</i>	3.298707775	1.040122909	-1.665146961	0.004671089	0.044238684
<i>FKBP1B</i>	1.5394607	1.096797739	-0.489127536	0.004687438	0.044277503
<i>CDC37L1</i>	4.978497367	4.458553848	-0.159134526	0.004687438	0.044277503
<i>GSTA2</i>	66.9271125	92.390978	0.465161207	0.004687438	0.044277503
<i>NEMF</i>	2.756499013	2.558778296	-0.107381933	0.004703838	0.044393747
<i>AKR1A1</i>	45.248575	50.36074375	0.154427231	0.00472029	0.044471607
<i>GOLGB1</i>	15.32186547	14.1403884	-0.115770212	0.00472029	0.044471607
<i>TMEM176A</i>	140.3557765	166.4909228	0.246355081	0.004736794	0.044549687
<i>CALML4</i>	1.8682915	2.15716663	0.207418052	0.004736794	0.044549687
<i>UNC5CL</i>	7.740402736	9.083171623	0.230787507	0.00475335	0.044627987
<i>WDR41</i>	5.379773042	5.980328708	0.152679473	0.00475335	0.044627987
<i>MREG</i>	2.780877261	2.102188585	-0.403647973	0.004769958	0.04474518
<i>TBC1D9</i>	9.60883459	8.087062444	-0.248745713	0.004786619	0.044862663
<i>RGS19</i>	7.351085809	8.184275404	0.154897331	0.004803333	0.044941626
<i>CHCHD7</i>	3.575413295	3.070650637	-0.219565639	0.004803333	0.044941626
<i>C19orf18</i>	0.654035583	0.535988443	-0.287167235	0.004836919	0.045100215
<i>TPRA1</i>	8.517260799	7.627386491	-0.159200721	0.004836919	0.045100215
<i>SREBF1</i>	11.33515789	13.76687966	0.280397114	0.004836919	0.045100215
<i>RNF5</i>	69.66296783	78.2080852	0.166925825	0.004836919	0.045100215
<i>BSND</i>	2.279278196	0.035862561	-5.989954686	0.004843889	0.045126402
<i>AVPR1A</i>	3.8250329	1.953054142	-0.969740213	0.004870717	0.045298507
<i>AC093323.1</i>	5.417369343	4.960895439	-0.126991904	0.004870717	0.045298507
<i>SLC16A1</i>	16.72196108	20.15978865	0.269736463	0.004887697	0.045417464
<i>FOXJ3</i>	24.48446271	29.557498	0.271657615	0.004921816	0.045695349
<i>RBCK1</i>	27.14270455	31.56347906	0.217691754	0.004938956	0.045815257
<i>IQSEC3</i>	2.520021768	1.536801974	-0.713504919	0.00495615	0.045899173
<i>ATP6V0A1</i>	9.465741886	10.30244236	0.122198905	0.004973398	0.045899173
<i>TRAF4</i>	7.355278222	8.293254178	0.173158396	0.004973398	0.045899173
<i>LMAN2</i>	96.99252115	100.8580964	0.056381487	0.004973398	0.045899173
<i>NIPSNAP3B</i>	1.325340513	1.102320978	-0.265818697	0.004973398	0.045899173
<i>AKTIP</i>	7.098029807	6.507968743	-0.125211311	0.004973398	0.045899173
<i>MYOZ1</i>	1.130982637	0.784797569	-0.527184303	0.004990701	0.045941559
<i>ZDHHC15</i>	0.553303326	0.463875129	-0.254334097	0.004990701	0.045941559
<i>SLC24A3</i>	1.342103032	0.872719318	-0.620905794	0.004990701	0.045941559
<i>IRGQ</i>	3.000146222	2.773810246	-0.11316372	0.005008057	0.046062235
<i>TMEM205</i>	61.12627583	65.29314723	0.095138911	0.005025469	0.046105064
<i>RAB37</i>	2.384901743	2.850879364	0.257477164	0.005025469	0.046105064
<i>SPTAN1</i>	23.25957678	20.55279006	-0.178490592	0.005025469	0.046105064
<i>ISLR</i>	14.49659874	6.285053775	-1.205717455	0.005042935	0.046148176
<i>PRPF38B</i>	9.616044025	8.696864632	-0.144948123	0.005042935	0.046148176
<i>METTL26</i>	34.84484971	40.7769788	0.226809456	0.005042935	0.046148176
<i>SLTM</i>	9.992047849	9.471619561	-0.077169251	0.005060456	0.046191572

<i>METTL4</i>	2.111833939	1.935403135	-0.125862291	0.005060456	0.046191572
<i>DNAAF2</i>	3.278557681	2.939503643	-0.157488711	0.005060456	0.046191572
<i>PDCD10</i>	8.407504249	7.563788561	-0.152568568	0.005078032	0.04623525
<i>RBP5</i>	140.1941281	171.4207069	0.290115467	0.005078032	0.04623525
<i>TMEM41A</i>	3.25314459	3.576321959	0.136641675	0.005078032	0.04623525
<i>CAPN2</i>	28.8596997	26.0843376	-0.145872491	0.005095664	0.046356859
<i>UQCC1</i>	5.566885783	5.874696596	0.077643861	0.00511335	0.046478767
<i>RSPH14</i>	1.672484464	1.927720529	0.204903103	0.005131092	0.04648418
<i>HNRNPD</i>	25.79529284	24.33144964	-0.084285548	0.005131092	0.04648418
<i>PTMA</i>	188.4274327	172.2779192	-0.129271215	0.005131092	0.04648418
<i>ABTB1</i>	5.679236677	5.140498827	-0.143788673	0.005131092	0.04648418
<i>VTI1A</i>	1.981127343	1.920811607	-0.04460559	0.00514889	0.046490059
<i>ZNF594</i>	1.364228942	1.257516487	-0.11750846	0.00514889	0.046490059
<i>TIMP2</i>	58.33323085	48.49249899	-0.266556379	0.00514889	0.046490059
<i>CFI</i>	38.87958231	46.46145371	0.257021575	0.00514889	0.046490059
<i>TSTD2</i>	1.745593299	1.519456413	-0.200162178	0.005166743	0.046496401
<i>ECE2</i>	0.568787725	0.705024696	0.309783464	0.005166743	0.046496401
<i>RAF1</i>	9.992839958	9.271836374	-0.108039643	0.005166743	0.046496401
<i>HAUS3</i>	1.972601143	1.880863351	-0.068704238	0.005166743	0.046496401
<i>ZNF527</i>	1.004884384	0.935065021	-0.103890929	0.005184653	0.046580258
<i>CDC6</i>	0.977256919	1.124732048	0.20277154	0.005184653	0.046580258
<i>AK4</i>	25.55843601	29.89176216	0.225948392	0.005202618	0.046625776
<i>KCNK9</i>	0.947240628	1.346109815	0.506993243	0.005202618	0.046625776
<i>PHETA2</i>	3.873852955	3.254360468	-0.251395133	0.005202618	0.046625776
<i>BHMT2</i>	58.97091214	70.25155941	0.25252674	0.005238718	0.046871826
<i>BEX3</i>	86.45077036	78.25800705	-0.143640449	0.005238718	0.046871826
<i>TCTN3</i>	21.73580762	23.44554889	0.109240353	0.005275043	0.047157931
<i>PODN</i>	3.478009366	2.637410705	-0.399139569	0.005293291	0.047282086
<i>TSPAN14</i>	9.822767681	8.823465263	-0.154784218	0.005311597	0.04736756
<i>RNF126</i>	6.959903264	7.853696316	0.174304559	0.005311597	0.04736756
<i>C4B</i>	10.82450282	13.79292847	0.349628037	0.005329959	0.047492254
<i>NIPSNAP1</i>	32.50261051	36.53247542	0.168623918	0.005348378	0.047500258
<i>AMIGO2</i>	3.77605751	2.912746165	-0.374500756	0.005348378	0.047500258
<i>EMSY</i>	1.840078822	1.712554595	-0.103617586	0.005348378	0.047500258
<i>C1orf122</i>	7.740792259	8.582311626	0.148885055	0.005348378	0.047500258
<i>ZNF585B</i>	2.466643834	2.317354921	-0.090070395	0.005366855	0.047508718
<i>BYSL</i>	6.447089151	7.049888119	0.128952429	0.005366855	0.047508718
<i>SOS2</i>	8.375220331	7.437299848	-0.171348207	0.005366855	0.047508718
<i>ZNF554</i>	1.318241617	1.172494874	-0.169033208	0.005366855	0.047508718
<i>MYBL2</i>	2.133348777	2.374234816	0.154342779	0.00538539	0.047633906
<i>C17orf53</i>	0.669657949	0.773251676	0.207513679	0.005403982	0.04768168
<i>ITM2C</i>	63.72390399	46.43049823	-0.456761893	0.005403982	0.04768168
<i>TBXAS1</i>	4.742150039	5.408339474	0.189644401	0.005403982	0.04768168
<i>IQGAP3</i>	1.245286996	1.411497051	0.180747843	0.005422633	0.047807341

<i>DLG3</i>	5.307445458	4.860746275	-0.126839811	0.005441341	0.047933309
<i>ELF2</i>	4.082220222	3.890659368	-0.069339337	0.005460108	0.047991558
<i>CKAP4</i>	20.95277698	23.25953702	0.150680916	0.005460108	0.047991558
<i>ZNF879</i>	1.098098572	1.018960029	-0.107910106	0.005478933	0.047991558
<i>MINDY2</i>	6.079544191	5.365276357	-0.180310679	0.005478933	0.047991558
<i>MST1</i>	3.949588865	5.578262179	0.49811326	0.005478933	0.047991558
<i>TM4SF5</i>	9.545246046	14.13622335	0.566542448	0.00547886	0.047991558
<i>KRT80</i>	2.902486433	4.014919929	0.468081892	0.005478933	0.047991558
<i>HRASLS2</i>	1.244679782	1.42147041	0.191609439	0.005497817	0.048079293
<i>PTPN9</i>	7.472638401	6.826700199	-0.130429316	0.005497817	0.048079293
<i>DDOST</i>	85.77552133	91.79575018	0.097861374	0.00553576	0.048372107
<i>SF3B1</i>	32.62337751	30.92038912	-0.077347677	0.005554821	0.048460558
<i>DGKZ</i>	6.967262258	7.663693219	0.137447941	0.005554821	0.048460558
<i>CLDN8</i>	10.63970648	0.161685531	-6.040123958	0.005571293	0.048549242
<i>DUT</i>	9.516520349	8.752836912	-0.120683469	0.00557394	0.048549242
<i>TRAK2</i>	10.65728399	9.714730474	-0.133593939	0.005593119	0.048677192
<i>C18orf32</i>	1.62352132	1.432724519	-0.180365092	0.005612357	0.048727304
<i>TCF7L2</i>	7.040827265	6.322534088	-0.155242039	0.005612357	0.048727304
<i>CD47</i>	12.74608916	11.35793123	-0.166354576	0.005612357	0.048727304
<i>PSIP1</i>	11.50652884	10.32310891	-0.156575165	0.005631655	0.048816684
<i>GAMT</i>	29.99276588	37.10988706	0.307189039	0.005631655	0.048816684
<i>AGBL5</i>	8.84300347	9.810849006	0.149841534	0.005651013	0.048828357
<i>TRIM50</i>	2.314616123	0.100423005	-4.526611233	0.005648908	0.048828357
<i>PLA2G1B</i>	0.467460487	0.728261415	0.639611986	0.005650882	0.048828357
<i>UBAC2</i>	17.94179941	19.36440985	0.110082947	0.005651013	0.048828357
<i>MYL12B</i>	210.9151777	190.9024606	-0.143827219	0.005670431	0.048918183
<i>IP6K2</i>	7.936371066	7.229615316	-0.134560597	0.005670431	0.048918183
<i>SELENOK</i>	17.48765479	15.12570732	-0.209334219	0.005689909	0.049047199
<i>SNW1</i>	22.14681257	20.6106528	-0.103708877	0.005748706	0.049475373
<i>CTDSPL</i>	11.80108393	9.735609485	-0.277576172	0.005748706	0.049475373
<i>CYP4X1</i>	2.142418998	1.692327349	-0.340232002	0.005768427	0.049566416
<i>SLC25A38</i>	10.6540179	9.163622819	-0.217407628	0.005768427	0.049566416
<i>TUNAR</i>	0.67925832	0.354810313	-0.936912387	0.005818862	0.049960201
<i>ZFAND5</i>	38.69502248	30.29411801	-0.353110295	0.005827954	0.049998683