

Supplementary Data5:gene module						
	datSummary	colorNEW	kMEblue	kMEbrown	kMEgrey	kMEturquoise
	FAM72D ENSG00000215784 protein_coding	grey	0.708538	0.130757	0.74014	-0.03295
	SAA2 ENSG00000134339 protein_coding	grey	-0.02689	-0.016215	-0.06813	0.068339
	SYNPO2L ENSG00000166317 protein_coding	turquoise	-0.04079	0.00295	-0.05209	0.980131
	OR10H2 ENSG00000171942 protein_coding	grey	0.020286	-0.024189	0.0031	0.012115
	GPR101 ENSG00000165370 protein_coding	grey	-0.0145	0.012201	-0.01935	-0.0198
	MATN4 ENSG00000124159 protein_coding	grey	0.137382	0.032197	0.179573	-0.02499
	CLEC4M ENSG00000104938 protein_coding	grey	-0.05894	-0.008131	-0.09525	0.013686
	PTK6 ENSG00000101213 protein_coding	grey	0.190749	0.135568	0.273276	-0.01964
	PLAC1 ENSG00000170965 protein_coding	grey	0.113541	0.023664	0.155201	-0.02709
	LHX2 ENSG00000106689 protein_coding	grey	0.412536	0.075592	0.435859	-0.03519
	LINC02203 ENSG00000280709 protein_coding	grey	-0.05995	-0.059543	-0.06311	-0.00978
	MYT1 ENSG00000196132 protein_coding	grey	0.21321	0.0548	0.276522	-0.02923
	BARX1 ENSG00000131668 protein_coding	grey	0.198373	0.091532	0.28465	-0.03957
	MGAM2 ENSG00000257743 protein_coding	grey	0.036477	-0.011993	-0.0297	0.006753
	UBE2C ENSG00000175063 protein_coding	grey	0.696829	0.137121	0.669936	-0.02347
	SAA2-SAA4 ENSG00000255071 protein_coding	grey	-0.02489	-0.013635	-0.06717	0.072517
	CCDC169-SOHLH2 ENSG00000250709 protein_coding	grey	0.010032	-0.02318	-0.04838	0.028994
	OPRK1 ENSG00000082556 protein_coding	grey	0.147786	0.051215	0.206227	-0.03618
	CCDC63 ENSG00000173093 protein_coding	turquoise	-0.03536	-0.007094	-0.03784	0.98056
	SYT4 ENSG00000132872 protein_coding	grey	0.411353	-0.004869	0.415204	-0.02723

WFDC5 ENSG00000175121 protein_coding	grey	0.417262	0.084452	0.403188	0.002522
OR51D1 ENSG00000197428 protein_coding	grey	0.083567	-0.025599	0.134769	-0.04136
RP1 ENSG00000104237 protein_coding	grey	0.170711	0.197935	0.21314	0.0005
NCAM2 ENSG00000154654 protein_coding	grey	0.083729	0.04519	0.121752	0.009838
XIRP2 ENSG00000163092 protein_coding	turquoise	-0.03731	0.003567	-0.04594	0.979414
PBK ENSG00000168078 protein_coding	grey	0.855127	0.089476	0.828201	-0.05342
HOXB5 ENSG00000120075 protein_coding	grey	0.077946	0.061968	0.103341	0.020719
CENPF ENSG00000117724 protein_coding	blue	0.968444	0.215681	0.918528	-0.04272
AGBL1 ENSG00000273540 protein_coding	turquoise	-0.06081	-0.008704	-0.06117	0.95484
CD38 ENSG00000004468 protein_coding	grey	-0.13826	-0.083584	-0.23631	-0.04821
MYBL2 ENSG00000101057 protein_coding	grey	0.873483	0.211091	0.893683	-0.03777
KIF14 ENSG00000118193 protein_coding	blue	0.961224	0.180317	0.899674	-0.0341
MAGEA1 ENSG00000198681 protein_coding	grey	-0.02489	-0.005069	-0.00457	-0.01444
TLX1 ENSG00000107807 protein_coding	grey	0.163426	0.040813	0.236071	-0.02364
CDK1 ENSG00000170312 protein_coding	grey	0.851966	0.16795	0.814787	-0.03922
SPRR3 ENSG00000163209 protein_coding	grey	-0.03676	-0.013636	-0.06744	-0.00085
IL36RN ENSG00000136695 protein_coding	grey	0.4655	0.08981	0.492637	-0.02474
CARD18 ENSG00000255501 protein_coding	grey	-0.00095	0.018374	0.015416	-0.01087
SAA1 ENSG00000173432 protein_coding	grey	-0.04396	-0.021841	-0.08525	0.059488
ESPL1 ENSG00000135476 protein_coding	blue	0.95722	0.18191	0.918147	-0.04512
CST2 ENSG00000170369 protein_coding	grey	0.00796	0.023809	0.044999	-0.01983
HJURP ENSG00000123485 protein_coding	grey	0.84462	0.168602	0.85183	-0.04279

SERPINA4 ENSG00000100665 protein_coding	grey	-0.01022	-0.03137	0.02828	-0.02859
POLQ ENSG00000051341 protein_coding	grey	0.921509	0.203037	0.906684	-0.04798
TICRR ENSG00000140534 protein_coding	grey	0.893099	0.199134	0.869845	-0.05358
SCGB3A1 ENSG00000161055 protein_coding	grey	-0.08938	-0.041125	-0.11336	-0.01793
DGKK ENSG00000274588 protein_coding	grey	0.212273	0.001726	0.200031	-0.01552
KIF15 ENSG00000163808 protein_coding	grey	0.901807	0.178059	0.875054	-0.05769
TTC29 ENSG00000137473 protein_coding	grey	0.125814	0.061689	0.193026	-0.02887
AL645922.1 ENSG00000244255 protein_coding	grey	-0.00752	0.008677	-0.07837	0.041142
ASF1B ENSG00000105011 protein_coding	grey	0.894014	0.157184	0.904168	-0.05795
SLC18A2 ENSG00000165646 protein_coding	grey	-0.08333	-0.042052	-0.17661	-0.03323
OTOP3 ENSG00000182938 protein_coding	grey	0.02678	0.00381	0.073428	-0.01252
TOP2A ENSG00000131747 protein_coding	blue	0.973786	0.196228	0.907167	-0.04434
TG ENSG00000042832 protein_coding	grey	-0.01793	0.017026	-0.0288	-0.00989
GPR149 ENSG00000174948 protein_coding	grey	0.122607	0.01528	0.14095	-0.00849
KIF18B ENSG00000186185 protein_coding	grey	0.934042	0.154176	0.938413	-0.03887
NRAP ENSG00000197893 protein_coding	turquoise	-0.04943	-0.001148	-0.0593	0.994551
SBK2 ENSG00000187550 protein_coding	grey	-0.0353	-0.015049	-0.04528	0.407534
AL928654.3 ENSG00000257341 protein_coding	grey	0.097383	0.063926	0.135174	0.064835
MYL2 ENSG00000111245 protein_coding	turquoise	-0.04548	-0.00412	-0.04855	0.990211
IFI44L ENSG00000137959 protein_coding	grey	0.267554	0.207362	0.336605	-0.02725
TGM6 ENSG00000166948 protein_coding	grey	0.121361	0.010676	0.110427	0.004149
UHRF1 ENSG00000276043 protein_coding	grey	0.905331	0.172366	0.889679	-0.0481

KRT9 ENSG00000171403 protein_coding	grey	-0.15486	-0.0672	-0.21914	0.009507
SLC17A1 ENSG00000124568 protein_coding	grey	0.055087	-0.032692	0.120819	-0.02849
OR1N2 ENSG00000171501 protein_coding	grey	-0.01668	-0.017087	-0.01195	0.004853
KCNK4 ENSG00000182450 protein_coding	grey	0.109006	0.096813	0.202559	-0.0155
DEPDC1B ENSG00000035499 protein_coding	grey	0.539815	0.096577	0.533996	-0.04188
SERPINI1 ENSG00000163536 protein_coding	grey	0.063722	0.085572	0.154145	-0.01364
RAMACL ENSG00000235272 protein_coding	grey	-0.00203	-0.003917	-0.03258	0.081519
STMN2 ENSG00000104435 protein_coding	grey	0.160832	0.538057	0.191203	-0.02438
CDKN3 ENSG00000100526 protein_coding	grey	0.919004	0.18494	0.925067	-0.02731
ODF3L2 ENSG00000181781 protein_coding	grey	0.147451	0.035137	0.234618	-0.02196
SOX11 ENSG00000176887 protein_coding	grey	0.377182	0.650935	0.393464	0.020068
PRB2 ENSG00000121335 protein_coding	grey	0.004867	-0.016391	-0.00277	-0.01572
AKR1C4 ENSG00000198610 protein_coding	grey	0.064403	-0.002128	0.137104	-0.02227
KRT75 ENSG00000170454 protein_coding	grey	0.181045	0.637762	0.241309	-0.02421
CRISP3 ENSG00000096006 protein_coding	grey	0.052625	0.021676	0.069283	-0.04431
SERPINA3 ENSG00000196136 protein_coding	grey	-0.05393	-0.023237	-0.09422	0.101524
GRIK1 ENSG00000171189 protein_coding	grey	0.082945	-0.002262	0.126186	-0.01593
VGLL3 ENSG00000206538 protein_coding	grey	-0.0346	-0.024528	-0.0758	0.037684
GFAP ENSG00000131095 protein_coding	grey	0.028779	0.029377	0.030355	0.022865
NEK2 ENSG00000117650 protein_coding	blue	0.949871	0.18728	0.932826	-0.05233
ADAM18 ENSG00000168619 protein_coding	grey	0.343062	0.091019	0.389996	-0.04126
PCARE ENSG00000179270 protein_coding	grey	-0.12075	-0.031477	-0.16507	0.800459

COL10A1 ENSG00000123500 protein_coding	brown	0.155687	0.980714	0.188752	-0.01704
GCG ENSG00000115263 protein_coding	grey	-0.05735	-0.030207	-0.07317	-0.03077
GABRQ ENSG00000268089 protein_coding	grey	-0.1696	-0.063881	-0.25829	-0.04272
ACTA1 ENSG00000143632 protein_coding	turquoise	-0.049	-0.004692	-0.05121	0.98172
ADGB ENSG00000118492 protein_coding	grey	0.113286	0.061245	0.151561	-0.02668
RPE65 ENSG00000116745 protein_coding	grey	-0.17768	-0.09973	-0.30298	-0.05371
UGT2B17 ENSG00000197888 protein_coding	grey	0.201595	0.100638	0.269552	-0.0317
SLC7A14 ENSG00000013293 protein_coding	grey	-0.04475	-0.013951	-0.09424	-0.01842
TPX2 ENSG00000088325 protein_coding	blue	0.977578	0.203211	0.945894	-0.0413
ATP1B4 ENSG00000101892 protein_coding	turquoise	-0.04409	0.006045	-0.05565	0.924055
CRYBA4 ENSG00000196431 protein_coding	grey	-0.03729	0.015893	-0.04086	0.053883
CDC25C ENSG00000158402 protein_coding	grey	0.8884	0.14687	0.882626	-0.04553
DNAH8 ENSG00000124721 protein_coding	grey	0.119943	0.014765	0.156316	-0.0232
PLEKHD1 ENSG00000175985 protein_coding	grey	0.271735	0.055787	0.391603	-0.03313
ZBBX ENSG00000169064 protein_coding	grey	0.139037	0.069963	0.22803	-0.0336
SMR3B ENSG00000171201 protein_coding	grey	-0.01238	-0.023858	-0.03018	-0.00701
SLC1A6 ENSG00000105143 protein_coding	grey	-0.12813	-0.047182	-0.19258	-0.03415
RAD54L ENSG00000085999 protein_coding	grey	0.935096	0.170306	0.911579	-0.04282
GTSE1 ENSG00000075218 protein_coding	grey	0.899273	0.165303	0.879132	-0.05266
IAPP ENSG00000121351 protein_coding	grey	0.033002	0.003837	0.067857	-0.0211
C6orf10 ENSG00000204296 protein_coding	grey	0.166274	0.062127	0.195446	-0.01271
MT4 ENSG00000102891 protein_coding	grey	-0.0182	0.006024	-0.00392	-0.00179

PDIA2 ENSG00000185615 protein_coding	grey	0.090125	0.031526	0.183816	0.00121
CENPA ENSG00000115163 protein_coding	grey	0.9227	0.238402	0.936682	-0.04129
BRS3 ENSG00000102239 protein_coding	grey	0.37952	0.254822	0.458989	0.003061
TUBA4B ENSG00000243910 protein_coding	grey	0.060203	0.03414	0.109826	-0.02777
MELK ENSG00000165304 protein_coding	grey	0.941839	0.185121	0.928574	-0.05819
NUF2 ENSG00000143228 protein_coding	grey	0.921289	0.167968	0.916058	-0.04817
ORC6 ENSG00000091651 protein_coding	grey	0.890594	0.165333	0.892514	-0.01843
MAGEA6 ENSG00000197172 protein_coding	grey	0.30395	0.086053	0.299409	-0.01457
C16orf92 ENSG00000167194 protein_coding	grey	0.219099	0.008705	0.291118	-0.01639
ANLN ENSG00000011426 protein_coding	grey	0.846243	0.195099	0.824143	-0.04134
GPX5 ENSG00000224586 protein_coding	grey	-0.01539	0.001584	-0.05283	0.050304
CCDC169 ENSG00000242715 protein_coding	grey	-0.02775	-0.058883	-0.07209	0.020796
FCRL2 ENSG00000132704 protein_coding	grey	0.15349	0.127723	0.143955	-0.01703
TM4SF20 ENSG00000168955 protein_coding	grey	0.07718	-0.000259	0.149507	-0.01278
CST4 ENSG00000101441 protein_coding	grey	0.010049	0.055802	0.045829	-0.01622
DHRS7C ENSG00000184544 protein_coding	turquoise	-0.05142	-0.006688	-0.05396	0.988488
CFC1B ENSG00000152093 protein_coding	grey	-0.02428	-0.021585	-0.02401	-0.01139
SCRT2 ENSG00000215397 protein_coding	grey	0.011094	-6.36E-05	0.062476	-0.00335
FAM3D ENSG00000198643 protein_coding	grey	-0.07355	0.025434	-0.08679	-0.01435
SHCBP1 ENSG00000171241 protein_coding	grey	0.894021	0.219479	0.862249	-0.01818
TUNAR ENSG00000250366 protein_coding	grey	0.517255	0.038918	0.455629	-0.02359
PNMA5 ENSG00000198883 protein_coding	grey	0.019029	-0.010944	0.04405	-0.00836

ASPM ENSG00000066279 protein_coding	blue	0.971849	0.208505	0.89995	-0.03785
NKX6-1 ENSG00000163623 protein_coding	grey	0.159841	0.005951	0.241697	-0.04104
TRPC5OS ENSG00000204025 protein_coding	grey	0.29757	0.093718	0.343124	-0.06101
PHYHD1 ENSG00000175287 protein_coding	grey	-0.23371	-0.121393	-0.30077	0.078901
LRTM1 ENSG00000144771 protein_coding	turquoise	-0.0597	-0.009214	-0.06979	0.901007
KLK14 ENSG00000129437 protein_coding	grey	0.124204	0.002032	0.15129	-0.03054
ZNF648 ENSG00000179930 protein_coding	grey	0.023088	-0.010453	-0.02359	0.051982
LY6G6F-LY6G6D ENSG00000250641 protein_coding	grey	-0.04523	0.051538	-0.04857	-0.00379
KCNG4 ENSG00000168418 protein_coding	grey	-0.10726	-0.066779	-0.16311	0.000665
RDM1 ENSG00000278023 protein_coding	grey	0.760011	0.12009	0.779553	-0.03804
AP002373.1 ENSG00000255663 protein_coding	grey	0.173329	0.090362	0.268834	-0.04479
DHRS2 ENSG00000100867 protein_coding	grey	0.042282	0.047303	0.073245	-0.00775
SLC17A4 ENSG00000146039 protein_coding	grey	0.112228	-0.015027	0.174076	-0.03174
MT1B ENSG00000169688 protein_coding	grey	-0.13623	-0.074628	-0.18367	0.026196
OLFM4 ENSG00000102837 protein_coding	grey	-0.03756	-0.043621	-0.09372	-0.01859
HOXD1 ENSG00000128645 protein_coding	grey	0.310006	0.040793	0.352186	-0.02553
HJV ENSG00000168509 protein_coding	turquoise	-0.04709	-0.005024	-0.0485	0.934069
MUC6 ENSG00000184956 protein_coding	grey	0.114141	0.056024	0.152238	-0.02274
MUC21 ENSG00000204544 protein_coding	grey	-0.0826	-0.028155	-0.11922	-0.02218
PEBP4 ENSG00000134020 protein_coding	grey	-0.23883	-0.118482	-0.30079	0.007713
RLN1 ENSG00000107018 protein_coding	grey	-0.09799	-0.03596	-0.11209	-0.03073
CEP55 ENSG00000138180 protein_coding	grey	0.898462	0.179698	0.86967	-0.03958

SLC18A3 ENSG00000187714 protein_coding	grey	0.113132	0.01025	0.193473	-0.03098
HIST1H2AJ ENSG00000276368 protein_coding	grey	0.334259	0.090274	0.390295	-0.03536
FGB ENSG00000171564 protein_coding	grey	-0.00945	-0.019269	0.009013	-0.01368
MUC1 ENSG00000185499 protein_coding	grey	0.125197	0.071202	0.177486	-0.02559
TCTB ENSG00000119913 protein_coding	grey	0.024014	-0.024185	0.025764	0.018497
FNDC1 ENSG00000164694 protein_coding	brown	0.255026	0.952797	0.267988	0.015937
ITLN2 ENSG00000158764 protein_coding	grey	-0.02064	0.009224	-0.0338	0.008105
CT45A10 ENSG00000269586 protein_coding	grey	0.017205	-0.010237	0.073774	-0.01118
ASIC5 ENSG00000256394 protein_coding	grey	0.027581	0.058756	0.061125	-0.00877
HOXB6 ENSG00000108511 protein_coding	grey	0.141393	0.091146	0.17651	0.018939
C5orf46 ENSG00000178776 protein_coding	grey	0.051822	0.192751	0.078533	-0.02808
IP6K3 ENSG00000161896 protein_coding	grey	-0.18741	-0.065703	-0.27394	0.647938
ANPEP ENSG00000166825 protein_coding	grey	-0.14138	-0.083093	-0.20736	0.057442
LRRTM3 ENSG00000198739 protein_coding	grey	0.36167	-0.014931	0.320821	-0.01049
XIRP1 ENSG00000168334 protein_coding	turquoise	-0.04162	0.012655	-0.04353	0.968984
MAB21L2 ENSG00000181541 protein_coding	grey	0.019247	0.034318	0.064919	-0.0093
CBX2 ENSG00000173894 protein_coding	grey	0.467163	0.174715	0.548219	-0.02465
LIPF ENSG00000182333 protein_coding	grey	0.075306	0.016555	0.126332	-0.0075
PAEP ENSG00000122133 protein_coding	grey	0.037025	0.047819	0.02507	-0.01869
TEX19 ENSG00000182459 protein_coding	grey	0.519131	0.108942	0.557572	-0.0108
DCAF4L2 ENSG00000176566 protein_coding	grey	0.107683	0.02783	0.124235	-0.01431
DMBX1 ENSG00000197587 protein_coding	grey	0.468513	0.208027	0.543045	-0.05383

IFNL3 ENSG00000197110 protein_coding	grey	0.229892	0.014863	0.289172	-0.02658
NPR3 ENSG00000113389 protein_coding	grey	-0.03386	-0.006839	-0.08249	0.030137
VWA5B1 ENSG00000158816 protein_coding	grey	0.032444	0.00651	0.051992	-0.01692
REG1A ENSG00000115386 protein_coding	grey	-0.03626	-0.008455	-0.0191	-0.00815
TMEM213 ENSG00000214128 protein_coding	grey	-0.09625	-0.048176	-0.15828	-0.02227
UGT2A3 ENSG00000135220 protein_coding	grey	0.125863	0.039767	0.191906	-0.0075
ASB10 ENSG00000146926 protein_coding	turquoise	-0.04778	-0.004591	-0.05369	0.993419
CARTPT ENSG00000164326 protein_coding	grey	-0.08787	-0.056803	-0.11827	-0.02642
CTAG2 ENSG00000126890 protein_coding	grey	-0.03312	-0.010752	-0.03316	-0.01293
CYP4F2 ENSG00000186115 protein_coding	grey	-0.0022	-0.030728	0.005791	-0.01415
SLC13A1 ENSG00000081800 protein_coding	grey	0.068633	0.016059	0.098595	0.003967
AVPR1B ENSG00000198049 protein_coding	grey	0.055075	0.031301	0.134055	-0.02512
PKMYT1 ENSG00000127564 protein_coding	grey	0.847265	0.109311	0.890955	-0.05759
HIST1H4A ENSG00000278637 protein_coding	grey	0.166865	0.08194	0.2171	-0.01438
PCDHGA5 ENSG00000253485 protein_coding	grey	0.248916	0.104124	0.30075	-0.02536
CKAP2L ENSG00000169607 protein_coding	blue	0.975909	0.191879	0.912704	-0.04393
NCAPH ENSG00000121152 protein_coding	grey	0.832457	0.181358	0.804378	-0.01365
MAGEA8 ENSG00000156009 protein_coding	grey	-0.02003	-0.001635	0.00206	0.003044
RRM2 ENSG00000171848 protein_coding	grey	0.907141	0.235137	0.891903	-0.04912
BMP6 ENSG00000153162 protein_coding	grey	0.552007	0.184363	0.60896	-0.00329
APOH ENSG00000091583 protein_coding	grey	0.010418	-0.004739	0.090699	-0.02809
SUCNR1 ENSG00000198829 protein_coding	grey	0.242416	0.107411	0.264211	-0.009

HIST1H3B ENSG00000274267 protein_coding	grey	0.420343	0.152025	0.471298	-0.02979
CDC20 ENSG00000117399 protein_coding	grey	0.922412	0.160581	0.930861	-0.05462
AQP2 ENSG00000167580 protein_coding	grey	0.017543	0.009114	-0.00303	-0.01154
COL11A1 ENSG00000060718 protein_coding	brown	0.122211	0.971073	0.150882	-0.0018
CLRN3 ENSG00000180745 protein_coding	grey	0.282411	0.03142	0.321156	-0.00864
TYRP1 ENSG00000107165 protein_coding	grey	0.0794	0.096144	0.094923	0.07727
GRP ENSG00000134443 protein_coding	grey	-0.05204	0.228773	-0.06143	-0.02533
AKR1C3 ENSG00000196139 protein_coding	grey	0.250094	0.087398	0.323391	0.022589
PAH ENSG00000171759 protein_coding	grey	-0.10996	-0.045367	-0.14755	0.137559
EXO1 ENSG00000174371 protein_coding	grey	0.921691	0.217105	0.914987	-0.04228
CCDC144NL ENSG00000205212 protein_coding	grey	0.082748	0.036299	0.102641	-0.01693
CHAT ENSG00000070748 protein_coding	grey	0.051318	-0.003903	0.090255	-0.01423
PTPRR ENSG00000153233 protein_coding	grey	0.057034	0.021078	0.094641	-0.01373
FBXO40 ENSG00000163833 protein_coding	turquoise	-0.03336	0.007121	-0.04728	0.964601
ANKRD30A ENSG00000148513 protein_coding	grey	0.035843	0.140651	0.065643	-0.02079
OR1Q1 ENSG00000165202 protein_coding	grey	0.195064	0.095292	0.242564	-0.00723
KCTD8 ENSG00000183783 protein_coding	grey	-0.00287	-0.022726	-0.03846	-0.03206
DDX53 ENSG00000184735 protein_coding	grey	0.072563	0.025007	0.133603	-0.00823
CSAG2 ENSG00000268902 protein_coding	grey	0.044247	0.0083	0.088857	-0.0239
C9orf135 ENSG00000204711 protein_coding	grey	0.107775	0.054969	0.147711	0.007744
OMP ENSG00000254550 protein_coding	grey	0.325076	0.01836	0.391539	-0.04466
SI ENSG00000090402 protein_coding	grey	0.1474	0.036765	0.199495	-0.02804

KIF20A ENSG00000112984 protein_coding	grey	0.948616	0.191278	0.922511	-0.04745
PRDM13 ENSG00000112238 protein_coding	grey	-0.03441	-0.010887	-0.03775	-0.02796
EFNA3 ENSG00000143590 protein_coding	grey	0.150273	0.078731	0.268819	-0.03828
HTR2A ENSG00000102468 protein_coding	grey	0.112247	0.170928	0.16355	0.044631
PSCA ENSG00000167653 protein_coding	grey	0.059055	0.171377	0.087069	-0.01937
CTHRC1 ENSG00000164932 protein_coding	brown	0.186752	0.966083	0.233438	-0.01545
TLX2 ENSG00000115297 protein_coding	grey	0.184234	0.055686	0.221014	-0.03788
PPFIA2 ENSG00000139220 protein_coding	grey	0.124257	0.081146	0.181984	-0.04767
INSM2 ENSG00000168348 protein_coding	grey	0.119918	0.064807	0.174381	-0.00666
KIF4A ENSG00000090889 protein_coding	blue	0.965518	0.179901	0.943374	-0.04545
LHFPL5 ENSG00000197753 protein_coding	grey	0.103252	0.04664	0.178472	0.013466
DIRAS2 ENSG00000165023 protein_coding	grey	0.227488	0.033277	0.287163	-0.0462
ACY3 ENSG00000132744 protein_coding	grey	0.00191	-0.011454	0.041902	-0.011
LCN2 ENSG00000148346 protein_coding	grey	-0.08302	-0.046866	-0.13333	0.034796
FAM135B ENSG00000147724 protein_coding	grey	0.368854	-0.005487	0.350268	-0.0184
FGA ENSG00000171560 protein_coding	grey	-0.0628	-0.025686	-0.0347	-0.02424
CCDC166 ENSG00000255181 protein_coding	grey	0.371234	0.016389	0.401939	-0.06392
IQGAP3 ENSG00000183856 protein_coding	grey	0.91237	0.16588	0.909725	-0.03855
PLK1 ENSG00000166851 protein_coding	grey	0.953754	0.167215	0.940635	-0.03872
FOXG1 ENSG00000176165 protein_coding	grey	0.055339	0.012625	0.073039	-0.01444
CA14 ENSG00000118298 protein_coding	grey	-0.21752	-0.105046	-0.33564	-0.02759
SLC5A8 ENSG00000256870 protein_coding	grey	-0.1358	-0.072435	-0.22584	-0.00642

CLPSL1 ENSG00000204140 protein_coding	grey	0.109973	0.01392	0.173208	0.054152
ABCC11 ENSG00000121270 protein_coding	grey	0.055681	0.00446	0.090409	-0.02034
SPAG11A ENSG00000178287 protein_coding	grey	0.01862	-0.017602	0.002366	-0.01834
SGK2 ENSG00000101049 protein_coding	grey	0.231081	0.007359	0.302885	-0.02291
MYL1 ENSG00000168530 protein_coding	turquoise	-0.04979	-0.002645	-0.05229	0.986103
DYTN ENSG00000232125 protein_coding	grey	0.166142	0.098615	0.249538	-0.01748
ASIC2 ENSG00000108684 protein_coding	grey	0.190867	0.048219	0.261062	-0.03924
HIST1H3C ENSG00000278272 protein_coding	grey	0.179284	0.024981	0.200933	-0.02547
SSTR1 ENSG00000139874 protein_coding	grey	0.526849	0.076205	0.580923	-0.03893
ANO3 ENSG00000134343 protein_coding	grey	0.028071	0.013725	0.047044	-0.01241
SCRT1 ENSG00000261678 protein_coding	grey	0.015591	-0.00341	0.075854	0.001402
DUPD1 ENSG00000188716 protein_coding	turquoise	-0.0364	-0.000907	-0.04165	0.988356
SLC7A4 ENSG00000099960 protein_coding	grey	-0.18	-0.105526	-0.25152	-0.03251
MCM10 ENSG00000065328 protein_coding	grey	0.925688	0.171993	0.888073	-0.04604
ASZ1 ENSG00000154438 protein_coding	grey	0.099365	0.000779	0.135885	-0.01602
HAND1 ENSG00000113196 protein_coding	grey	0.109512	0.066464	0.146552	-0.00873
CPN1 ENSG00000120054 protein_coding	grey	-0.01706	-0.0213	0.03401	-0.01089
HIST1H3F ENSG00000277775 protein_coding	grey	0.259859	0.15158	0.277721	-0.02472
PPP1R3A ENSG00000154415 protein_coding	turquoise	-0.05205	0.004932	-0.06239	0.890376
CCK ENSG00000187094 protein_coding	grey	-0.17102	-0.09138	-0.24273	-0.02686
HRG ENSG00000113905 protein_coding	grey	-0.05436	-0.018216	-0.02385	-0.02159
NUSAP1 ENSG00000137804 protein_coding	blue	0.965284	0.18525	0.931187	-0.05283

LY6G6D ENSG00000244355 protein_coding	grey	-0.05839	0.04996	-0.06784	-0.00766
SOHLH2 ENSG00000120669 protein_coding	grey	-0.07174	-0.04376	-0.10011	0.057149
EFNA2 ENSG00000099617 protein_coding	grey	0.297705	0.047143	0.397517	-0.03544
SIM1 ENSG00000112246 protein_coding	grey	0.108469	0.064873	0.137229	0.011826
PROK1 ENSG00000143125 protein_coding	grey	-0.14123	-0.046676	-0.21939	-0.00304
CALML5 ENSG00000178372 protein_coding	grey	0.050493	0.094992	0.080192	-0.00787
FOXI1 ENSG00000168269 protein_coding	grey	-0.11643	-0.053445	-0.16217	-0.02722
APOA2 ENSG00000158874 protein_coding	grey	0.044342	0.030085	0.049626	0.045525
CER1 ENSG00000147869 protein_coding	grey	0.370478	0.076035	0.349558	-0.02113
C3orf30 ENSG00000163424 protein_coding	grey	0.094023	0.021823	0.110369	-0.01961
MAB21L1 ENSG00000180660 protein_coding	grey	-0.00842	-0.006316	-0.05531	0.009831
INSYN2B ENSG00000204767 protein_coding	grey	-0.04745	0.003937	-0.14273	-0.01779
CELSR3 ENSG00000008300 protein_coding	grey	0.316077	0.137233	0.415442	-0.0311
CDC42EP5 ENSG00000167617 protein_coding	grey	-0.2697	-0.110955	-0.33555	0.010271
TRDN ENSG00000186439 protein_coding	turquoise	-0.04986	-0.00168	-0.05489	0.992665
SGO1 ENSG00000129810 protein_coding	blue	0.971808	0.206447	0.923022	-0.06089
UTS2B ENSG00000188958 protein_coding	grey	0.261438	0.025834	0.329704	-0.01633
MAGEA12 ENSG00000213401 protein_coding	grey	0.20498	0.05813	0.217188	-0.01457
BUB1 ENSG00000169679 protein_coding	blue	0.971597	0.243065	0.927153	-0.04633
OTOR ENSG00000125879 protein_coding	grey	0.041583	0.14905	0.106026	-0.01491
TMPRSS11A ENSG00000187054 protein_coding	grey	-0.0472	-0.051439	-0.09334	-0.03736
RFX6 ENSG00000185002 protein_coding	grey	0.127606	0.007489	0.176015	-0.02779

NETO1 ENSG00000166342 protein_coding	grey	0.063269	0.009027	0.088998	-0.0122
KCNQ2 ENSG00000075043 protein_coding	grey	0.021778	-0.007025	0.088211	-0.01839
PADI3 ENSG00000142619 protein_coding	grey	-0.07755	-0.031166	-0.10667	-0.0219
B3GNT6 ENSG00000198488 protein_coding	grey	0.192394	0.062837	0.236679	-0.04329
FMOD ENSG00000122176 protein_coding	grey	-0.11596	-0.034102	-0.20183	0.002663
RAB3C ENSG00000152932 protein_coding	grey	0.133008	0.226846	0.167861	-0.00149
PON1 ENSG00000005421 protein_coding	grey	-0.01154	-0.0417	0.019435	-0.00863
CKM ENSG00000104879 protein_coding	turquoise	-0.05396	-0.004611	-0.06049	0.995363
FAM72C ENSG00000263513 protein_coding	grey	0.732323	0.101004	0.721337	0.002783
IGSF1 ENSG00000147255 protein_coding	grey	-0.17378	-0.064292	-0.27873	0.303583
TRIM49B ENSG00000182053 protein_coding	grey	0.064277	0.012001	0.092152	0.000569
ZNF280A ENSG00000169548 protein_coding	grey	0.11741	0.089801	0.175658	-0.01799
A1CF ENSG00000148584 protein_coding	grey	-0.00497	-0.017377	0.014565	-0.02926
MYH7 ENSG00000092054 protein_coding	turquoise	-0.05017	-0.004509	-0.0562	0.997003
UGT2B15 ENSG00000196620 protein_coding	grey	0.21821	0.224596	0.283772	-0.03699
HTR1F ENSG00000179097 protein_coding	grey	0.199939	0.391827	0.230958	-0.0309
ARHGDIG ENSG00000242173 protein_coding	grey	0.236218	0.03631	0.349217	0.030347
CXCL5 ENSG00000163735 protein_coding	grey	0.001969	-0.011099	-0.05236	0.061718
KLHL1 ENSG00000150361 protein_coding	grey	0.138205	-0.002723	0.139809	-0.0192
CHRNA2 ENSG00000120903 protein_coding	grey	-0.11981	-0.119754	-0.20145	0.012993
EDN3 ENSG00000124205 protein_coding	grey	-0.06556	0.0385	-0.09729	0.007855
ANKRD30B ENSG00000180777 protein_coding	grey	0.107205	0.065949	0.12069	-0.02388

PLA2G2E ENSG00000188784 protein_coding	grey	-0.01755	-0.013789	0.04	-0.03456
CHI3L2 ENSG00000064886 protein_coding	grey	-0.03317	-0.007843	-0.08577	0.034558
SMCO1 ENSG00000214097 protein_coding	turquoise	-0.051	-0.005388	-0.05354	0.985038
FDCSP ENSG00000181617 protein_coding	grey	0.137198	0.164692	0.142938	-0.02122
KLHL40 ENSG00000157119 protein_coding	turquoise	-0.04578	0.001243	-0.05365	0.996874
SLC39A2 ENSG00000165794 protein_coding	grey	-0.0141	-0.026438	-0.04378	-0.02523
CDH18 ENSG00000145526 protein_coding	grey	-0.10668	-0.059146	-0.16379	0.006527
UNC45B ENSG00000141161 protein_coding	turquoise	-0.04179	0.005775	-0.05211	0.98597
KRT76 ENSG00000185069 protein_coding	grey	-0.07026	-0.026752	-0.07193	0.036877
BIRC5 ENSG00000089685 protein_coding	grey	0.899967	0.157362	0.903207	-0.05135
DLGAP5 ENSG00000126787 protein_coding	blue	0.980176	0.196004	0.932488	-0.04627
CDC20B ENSG00000164287 protein_coding	grey	0.013553	-0.008549	0.038055	-0.00896
KHDC1L ENSG00000256980 protein_coding	grey	0.084982	0.061796	0.108796	-0.00762
ORM1 ENSG00000229314 protein_coding	grey	0.011727	-0.020802	0.006656	-0.01444
LTF ENSG00000012223 protein_coding	grey	-0.01338	-0.012683	-0.07202	-0.00296
FAM72B ENSG00000188610 protein_coding	grey	0.86937	0.167508	0.852518	-0.02956
LHX9 ENSG00000143355 protein_coding	grey	0.0202	0.021571	0.065115	-0.01939
LRTM2 ENSG00000166159 protein_coding	grey	0.025626	0.037052	0.127148	-0.02612
NEIL3 ENSG00000109674 protein_coding	grey	0.932933	0.144973	0.899398	-0.05732
ZPLD1 ENSG00000170044 protein_coding	grey	0.335527	0.209674	0.419761	-0.01763
OR1J1 ENSG00000136834 protein_coding	grey	0.293381	0.142175	0.350451	0.013162
COL6A5 ENSG00000172752 protein_coding	grey	-0.07685	-0.015731	-0.11194	-0.01073

ZNF556 ENSG00000172000 protein_coding	grey	0.312624	0.048207	0.362386	0.014497
THBS2 ENSG00000186340 protein_coding	brown	0.264724	0.954298	0.282292	0.014461
SPRR2F ENSG00000244094 protein_coding	grey	0.153776	0.157465	0.175368	-0.03228
CAMKV ENSG00000164076 protein_coding	grey	0.094345	0.025426	0.132722	0.009257
AKR1D1 ENSG00000122787 protein_coding	grey	0.197722	0.075705	0.255107	-0.01904
ARSF ENSG00000062096 protein_coding	grey	-0.08514	0.137723	-0.13573	-0.03701
C10orf71 ENSG00000177354 protein_coding	turquoise	-0.037	0.003269	-0.04743	0.993067
SLC9A3 ENSG00000066230 protein_coding	grey	0.104376	0.029087	0.114921	-0.03628
CLCA2 ENSG00000137975 protein_coding	grey	-0.06238	-0.011185	-0.10796	-0.02299
EOMES ENSG00000163508 protein_coding	grey	0.180161	0.059181	0.205574	-0.02532
S100P ENSG00000163993 protein_coding	grey	0.085094	0.023934	0.084922	0.035721
ANKRD34B ENSG00000189127 protein_coding	grey	0.249815	0.075505	0.343143	-0.04837
ATP6V0A4 ENSG00000105929 protein_coding	grey	-0.09356	-0.044659	-0.14868	-0.02528
CA1 ENSG00000133742 protein_coding	grey	0.126813	0.250312	0.203538	-0.00647
NCAPG ENSG00000109805 protein_coding	blue	0.94377	0.176833	0.87706	-0.04766
DQX1 ENSG00000144045 protein_coding	grey	0.355501	0.018007	0.342886	-0.02028
IBSP ENSG00000029559 protein_coding	grey	0.345592	0.505695	0.389246	0.012788
AL049839.2 ENSG00000273259 protein_coding	grey	-0.05466	-0.019448	-0.09762	0.057762
LMOD2 ENSG00000170807 protein_coding	turquoise	-0.04407	-0.00071	-0.0492	0.992093
ATP12A ENSG00000075673 protein_coding	grey	0.008746	0.018283	0.091976	-0.01868
HIST1H3I ENSG00000275379 protein_coding	grey	0.013563	-0.000123	0.043233	-0.01148
CST5 ENSG00000170367 protein_coding	grey	0.021015	0.047707	0.062486	-0.01529

TUBB3 ENSG00000258947 protein_coding	grey	0.329749	0.19566	0.436921	-0.051
CPNE6 ENSG00000100884 protein_coding	grey	-0.17584	-0.080271	-0.2627	-0.00012
CCDC194 ENSG00000269720 protein_coding	grey	0.349677	0.046018	0.422258	-0.01492
MYOZ2 ENSG00000172399 protein_coding	turquoise	-0.04707	0.000478	-0.05478	0.992231
E2F8 ENSG00000129173 protein_coding	grey	0.821285	0.24732	0.802781	0.303977
MTFR2 ENSG00000146410 protein_coding	grey	0.893281	0.18905	0.897605	-0.0395
TROAP ENSG00000135451 protein_coding	grey	0.891478	0.196221	0.919151	-0.0442
UGT1A1 ENSG00000241635 protein_coding	grey	0.23564	0.045761	0.291395	-0.01601