Symbol	Low grade	High grade
GJA3	-2.71150382	1.68300234
CSAG3B	-2.65310384	1.56774324
DLL3	-2.45491434	1.66067737
NKX2-2	-2.28039091	1.4659656
SLC6A15	-2.03750855	0.94598612
CSAG2	-1.92546588	1.00459085
NEK2	-1.81698331	1.06881369
CSAG3A	-1.79748982	1.26490025
LYST	-1.69436758	1.16487774
WNK4	-1.69149193	1.17891855
CART1	-1.66043898	1.12323816
POU3F2	-1.60047251	0.67116591
ROPN1B	-1.58721053	1.07520709
DNAH2	-1.58350493	1.11431832
POPDC3	-1.58198941	1.07016926
SORCS1	-1.49978856	0.80345818
SPC25	-1.49567938	1.01178312
RGS20	-1.49467371	0.99644913
MAGEA3	-1.4860648	0.9615714
PRAME	-1.41288361	0.9557742
FLJ20397	-1.40432456	0.82607323
ETV4	-1.39536227	0.94392153
CITED1	-1.39528724	0.87205459
C6ORF218	-1.38915592	0.9550447
PAX3	-1.38866205	0.88463055
ERBB3	-1.38281311	0.95068402
PBK	-1.37417081	0.88916934
PEG10	-1.37154453	0.58186737
EDNRB	-1.36359318	0.85027747
SOX10	-1.35787674	0.91856366
EXO1	-1.3264698	0.89731782
TMEM145	-1.31882647	0.89214737
CDC45L	-1.30733139	0.84592032
GDF15	-1.30058756	0.87980918
C16ORF59	-1.28644516	0.87024231
GPR19	-1.27609965	0.86324392
ARNT2	-1.26848512	0.9117237
MAGEA6	-1.26131469	0.85324225
BIRC7	-1.24663546	0.84449502
SGOL1	-1.23838807	0.72846359
DBNDD1	-1.2374236	0.82494909
DUSP6	-1.23739424	0.83706079
ZC3HAV1L	-1.2116511	0.8196463
MND1	-1.20015325	0.81186841
CENPF	-1.19534573	0.80861621
CENPA	-1.19169475	0.80614641
TIMP2	-1.19056545	0.80538256
SPRY4	-1.1875256	0.73347169
KIAA1345	-1.18386086	0.80084707
FAM64A	-1.17973577	0.79805654
DEPDC1	-1.17902358	0.79757476
APOBEC3B	-1.16682768	0.7071683

LOC644242	-1.16678461	0.78929551
BIRC5	-1.16192108	0.78600541
CHST6	-1.15715507	0.78278138
GPM6B	-1.15622634	0.71007881
NUF2	-1.15499661	0.78132122
DIRAS1	-1.14959455	0.80123257
METRN	-1.1386146	0.77023927
CHRNA5	-1.13619877	0.76860502
OIP5	-1.13382826	0.7670015
PKMYT1	-1.12566448	0.69526332
CDCA3	-1.11985117	0.75754639
CPEB1	-1.11809622	0.75635923
MELK	-1.10864969	0.7499689
CDCA2	-1.10720956	0.71642971
EXTL1	-1.09990799	0.74405544
KIF4A	-1.09716643	0.74220086
KIF2C	-1.09696815	0.74206668
B4GALT6	-1.09005318	0.7373889
S100A13	-1.08942964	0.73696706
C6ORF168	-1.08881825	0.5784347
ERCC6L	-1.08748796	0.73565362
PARVB	-1.08192855	0.66824999
DIAPH3	-1.08072689	0.73107995
LOC652388	-1.07646887	0.71764586
GPR143	-1.0749132	0.72714723
CKAP2L	-1.06751963	0.72214563
MAD2L1	-1.06735841	0.7220366
HES6	-1.06716847	0.7219081
TRAF4	-1.0661211	0.65848652
TRIM9	-1.0602558	0.71723187
CENPM	-1.05872312	0.71619504
SLC7A5	-1.05639356	0.71461919
C15ORF42	-1.05180421	0.68057922
E2F7	-1.04970554	0.64834754
LOC389834	-1.04840954	0.67838263
KIF20A	-1.04723896	0.70842633
DKFZP762E13	-1.04174372	0.70470897
TRIP13	-1.04090691	0.70414291
CDC2	-1.0366368	0.68540121
DUSP4	-1.03374958	0.69930122
PHLDA1	-1.03255735	0.69849468
AURKA	-1.02498104	0.69336954
BUB1	-1.01656197	0.68767428
C8ORF51	-1.01483445	0.68650565
ABTB2	-1.01452639	0.67635091
PSRC1	-1.01366908	0.68571734
SUHW2	-1.01198531	0.68457826
CRISPLD1	-1.00746572	0.68152089
KIAA1524	-1.0049185	0.66994565
MCM10	-1.00185326	0.67772426
UBE2T	-0.99723419	0.67459963
BUB1B	-0.996274	0.67395006
GINS2	-0.99600281	0.67376657

NCAPG	-0.99419957	0.67254679
PRR11	-0.98881165	0.668902
TUBB2B	-0.98642479	0.66728734
UBE2C	-0.98017729	0.66306109
SALL4	-0.97893278	0.66221926
ATAD2	-0.97751664	0.66126125
EN2	-0.97620162	0.66037167
ASPM	-0.9752129	0.65970281
RECQL4	-0.97350586	0.65854809
KIF14	-0.97310379	0.65827609
DLG7	-0.9718877	0.62886853
FAM78B	-0.96918976	0.65562838
C1ORF135	-0.96742017	0.65443124
MLLT11	-0.96662326	0.65389218
RAD54L	-0.96601735	0.65348233
NRP2	-0.96072945	0.64990521
CCNB2	-0.95626789	0.64688712
TYMS	-0.94876233	0.64180981
TMCC2	-0.94777274	0.64114037
ARMC10	-0.94406073	0.63862931
TUBB3	-0.94267936	0.6376949
ANLN	-0.94218954	0.63736354
LOC642321	-0.94211573	0.63731356
CNIH2	-0.94032041	0.58078614
TOP2A	-0.93959277	0.63560689
ARMC9	-0.9348855	0.60492591
IQGAP3	-0.92984762	0.62901454
NME1	-0.92974222	0.62894327
RFC3	-0.92767158	0.62754256
RPL13	-0.91962833	0.62210154
CENPN	-0.91783259	0.62088676
SNX5	-0.91727756	0.6205113
CDK5R1	-0.91606802	0.61969311
ZBTB10	-0.91589626	0.61957686
PCDH7	-0.91262826	0.61736618
CDC25C	-0.91210461	0.61701191
LEF1	-0.91194076	0.61690111
ENTPD6	-0.91121336	0.61640906
ANKRD20A1	-0.90958903	0.61205169
SYNGR1	-0.90642915	0.61317265
HILS1	-0.90289673	0.6107831
CDC25A	-0.90188152	0.61009635
TOP1MT	-0.90014799	0.55048194
CEP72	-0.89988222	0.60874383
LOC400879	-0.8971017	0.60686294
HIST2H4B	-0.89528116	0.60563139
CCNA2	-0.89435482	0.60500474
KIF23	-0.89106157	0.60277695
GSG2	-0.89036084	0.6023029
LOC654189	-0.8894957	0.57555605
KIAA0101	-0.88898791	0.60137417
C13ORF3	-0.88731012	0.60023917
LOC652491	-0.88482199	0.59855605

ST3GAL4	-0.88337544	0.59757753
DPP7	-0.88044335	0.61364237
RAD51	-0.87901158	0.49121238
MSI2	-0.87863865	0.5861672
LOC158318	-0.87826569	0.59412091
GPRIN1	-0.87795185	0.59390858
KIF15	-0.87742823	0.59355443
C11ORF41	-0.87478581	0.59176689
HMMR	-0.8741397	0.59132981
CDCA5	-0.87154465	0.58957431
KPNA2	-0.87058855	0.58892756
C15ORF23	-0.86535255	0.58538556
DAGLA	-0.86366726	0.58424548
TTK	-0.86258637	0.5835143
CDCA8	-0.86103722	0.58246635
FAM83D	-0.85988518	0.58168707
E2F5	-0.85979347	0.58162496
EZH2	-0.85916587	0.55593086
LOC731049	-0.85603938	0.57908549
SLC6A10P	-0.8535209	0.57738178
LOC643300	-0.85218407	0.57647745
LOC201164	-0.84719295	0.5481837
RRM2	-0.84664923	0.57273333
CENPO	-0.84317482	0.57038298
CHEK1	-0.84286314	0.57017212
NEIL3	-0.84214537	0.44584167
FOXM1	-0.84189494	0.56951716
PRR7	-0.84161252	0.56932614
LZTS1	-0.83969502	0.56802899
LOC388588	-0.83522353	0.56500413
CBS	-0.83344657	0.56380209
CENPE	-0.82462254	0.55783286
SPRY2	-0.8222697	0.55624126
GAS2L3	-0.81988186	0.55462594
NETO2	-0.81885212	0.55392937
ISYNA1	-0.8175947	0.55307874
STMN1	-0.81702499	0.55269337
RP13-15M17.2	-0.81700179	0.5526777
LOC731049	-0.81493474	0.55127939
SLC16A4	-0.80641912	0.5455188
PTTG1	-0.80416748	0.54399563
CDC20	-0.80321601	0.54335197
RAGE	-0.80272919	0.54302273
CACYBP	-0.80110621	0.54192476
ASF1B	-0.79982682	0.54105927
LOC644404	-0.79981115	0.54104869
FEN1	-0.79980405	0.54104389
GALK2	-0.79882351	0.54038059
C1ORF112	-0.79610933	0.53854453
SPAG5	-0.79478718	0.53765013
PAFAH1B3	-0.78981533	0.53428684
DIABLO	-0.78940926	0.53401216
HAGHL	-0.78811855	0.53313903

LYSMD1	-0.78758395	0.53277738
EME1	-0.78659602	0.53210907
LOC653479	-0.78452223	0.5307062
TPX2	-0.78314212	0.52977261
UHRF1	-0.78308058	0.52973099
DTL	-0.78168043	0.52878383
LAPTM4B	-0.78113937	0.52841782
CSPG4	-0.77986413	0.52755513
FANCB	-0.77957954	0.52736266
TROAP	-0.77774536	0.52612183
CKS2	-0.77705445	0.52565447
PKM2	-0.7767092	0.52542093
TMEM121	-0.77633698	0.52516915
CUTA	-0.77510734	0.52433732
AP1S2	-0.77478775	0.52412112
FCRLB	-0.77423006	0.52374388
TRIB3	-0.77422478	0.52374032
ETV5	-0.76770598	0.51933048
PRC1	-0.7660195	0.51818964
AP1S1	-0.7620096	0.51547707
ARG2	-0.76094095	0.51475414
E2F1	-0.75944403	0.51374156
GAS7	-0.75797165	0.51274549
MYO10	-0.75648624	0.51174066
CENPK	-0.75582186	0.51129125
ESCO2	-0.7549528	0.42188541
AURKB	-0.75493799	0.52616888
ESPL1	-0.75462707	0.51048301
TK1	-0.75431593	0.51027256
TMPO	-0.75336569	0.50962973
C1ORF53	-0.75293489	0.5093383
DLEU1	-0.75199997	0.50870586
SPAG9	-0.75131551	0.50824286
TTYH2	-0.74979169	0.50721202
WNK3	-0.74967718	0.50713452
DARS2	-0.74722873	0.50547825
IFT81	-0.74712222	0.5054062
NAPE-PLD	-0.74646355	0.50496062
C18ORF56	-0.74604314	0.50467625
RAC3	-0.74410838	0.50336743
ZWINT	-0.74366148	0.50306513
FANCI	-0.74200684	0.50194578
LRP8	-0.74198022	0.50192781
PTPN14	-0.73703799	0.4985845
SERPINE2	-0.73656315	0.49826328
RPL6	-0.73429148	0.49672659
C18ORF24	-0.73279476	0.49571408
RPS7	-0.72983243	0.49371017
CENPL	-0.72956336	0.49352815
GALE	-0.72871749	0.49295593
PLOD3	-0.72802172	0.49248527
ORC6L	-0.72795417	0.49243955
MAD2L1BP	-0.72736658	0.4920421

SSX2IP	-0.7270383	0.49182003
LOC643980	-0.72491776	0.49038556
SEC22C	-0.72460917	0.4901768
HSF1	-0.72259895	0.48881693
FLJ14082	-0.72253282	0.49674132
TSGA14	-0.72220694	0.48855179
CCNE1	-0.72135108	0.48797277
CCNB1	-0.72086225	0.48764213
BLM	-0.71945584	0.48669072
CCNE2	-0.7188261	0.48626469
JMJD2D	-0.71863828	0.48613765
DNAJB14	-0.71815331	0.48580959
TNIK	-0.71663724	0.484784
C9ORF100	-0.71643631	0.48464812
ZNF326	-0.71526762	0.48385752
PLK1	-0.71450034	0.48333848
HNRPA3	-0.71433389	0.48322588
CDKN3	-0.71336545	0.48257074
KIF11	-0.71155882	0.48134864
PYCR1	-0.71049197	0.4806269
STXBP1	-0.70995103	0.48026097
DNMT3A	-0.70994201	0.48025487
RAD54B	-0.70837034	0.4791917
ORC1L	-0.70783523	0.47882975
PLK4	-0.70771656	0.47874943
PACSIN3	-0.70483146	0.47679776
MCM4	-0.70206893	0.47492898
RAD21	-0.70148004	0.47453061
SLC46A1	-0.70066553	0.47397962
ANP32C	-0.70028156	0.47371991
MGC42630	-0.69967499	0.47330956
HSPBP1	-0.69844503	0.47247752
PPFIA1	-0.69673339	0.47131964
C18ORF19	-0.69248179	0.46844359
RIPK5	-0.68977696	0.46661384
LOC646675	-0.6890649	0.46613215
PFKM	-0.68864368	0.46584718
GPR3	-0.68693801	0.46469336
LOC642852	-0.68560732	0.46379319
TXNDC13	-0.68345395	0.46233652
CKAP2	-0.68241785	0.4616356
HSF2BP	-0.68207529	0.46140386
KIAA0565	-0.68163145	0.46110363
WDR3	-0.68097713	0.46066101
WDR12	-0.6794414	0.45962213
RPS15	-0.67908579	0.45938155
PTRH2	-0.67814305	0.45874382
TRIB2	-0.67491739	0.45656174
BTBD1	-0.67371711	0.45574981
NT5DC3	-0.67305155	0.45529955
ZNF322A	-0.67304963	0.4552983
LOC648057	-0.6720512	0.4546229
H2AFZ	-0.66973343	0.45305495

NUSAP1	-0.66959486	0.45296124
SLC39A4	-0.66848887	0.46591648
RPL29	-0.66808514	0.45193994
NOLA1	-0.66687943	0.45112432
PPAT	-0.66650216	0.45086909
C12ORF60	-0.66585709	0.45043276
HM13	-0.6653976	0.45012189
TFB2M	-0.66538709	0.4501148
QPRT	-0.66533162	0.45007726
CLDN12	-0.66249391	0.44815765
MTBP	-0.66205326	0.44785956
KIAA1688	-0.6590848	0.44585148
NBPF10	-0.65865361	0.44555981
TMEM177	-0.65527538	0.44327451
TTLL4	-0.65420037	0.44254731
PDXP	-0.65390413	0.44234689
PLEKHB2	-0.65365265	0.4421768
IMAA	-0.65227339	0.44124377
EGLN1	-0.65214412	0.44115635
MYOHD1	-0.65143702	0.44067801
CASP4	-0.65013637	0.45312536
AKT3	-0.64997409	0.43968834
CUL7	-0.64964303	0.43946438
SNORD33	-0.64917907	0.43915051
RPL8	-0.64732245	0.43789461
NAT14	-0.64649163	0.43733256
HOXB7	-0.64625447	0.43717214
TIPIN	-0.64605425	0.43703669
BTBD14A	-0.64504379	0.43635312
EIF4EBP1	-0.64483176	0.43620973
C6ORF66	-0.64176217	0.43413323
BRCA1	-0.64148397	0.43394503
CDCA4	-0.64035347	0.43318031
GPATCH4	-0.6396938	0.43273407
QPCTL	-0.63950505	0.43260635
TIMP2	-0.63908334	0.4323211
XYLB	-0.6387695	0.43210879
TGDS	-0.63856024	0.43196721
LOC645676	-0.63652872	0.43059295
ACOT7	-0.63480486	0.4294268
POLR3D	-0.63420251	0.42901934
GGH	-0.63280899	0.42807667
ADSS	-0.63270055	0.4280033
LOC388610	-0.63223672	0.42768958
DCPS	-0.63191596	0.42747256
TTC28	-0.63157801	0.42724394
LYAR	-0.62996123	0.42615024
RBL1	-0.62904766	0.42553226
NBPF14	-0.62902009	0.42551359
SLC25A15	-0.62773593	0.4246449
RAD51AP1	-0.62642441	0.42375771
HOMER1	-0.62242574	0.42105268
TBC1D16	-0.62139451	0.42035511

CD320	-0.6197154	0.41921927
CBX8	-0.61961921	0.41915417
CKS1B	-0.61878036	0.41858671
FGD1	-0.61681957	0.41726031
LOC642398	-0.61668211	0.41716731
HMBS	-0.61455763	0.41573014
WWTR1	-0.61360418	0.41508517
EXOSC4	-0.61222019	0.41414894
KIF24	-0.61204401	0.41402979
MMACHC	-0.61177698	0.41384911
CTH	-0.60773018	0.41111156
FANCL	-0.60731668	0.41083187
C1ORF31	-0.60583236	0.40982779
UBFD1	-0.60545029	0.40956932
POLQ	-0.60426707	0.40876892
HEATR1	-0.60365712	0.40835628
C21ORF70	-0.6034952	0.40824674
LOC642033	-0.60307083	0.40795969
CHCHD3	-0.60198894	0.40722782
TAF1A	-0.60178054	0.40708682
PFDN6	-0.60080363	0.406426
MGC40499	-0.59971495	0.40568953
ODF2	-0.59950028	0.41253322
COMT	-0.59889501	0.40513484
C13ORF27	-0.59861507	0.4049455
PAICS	-0.59860077	0.40493582
SGOL2	-0.5980631	0.40457207
AHCTF1	-0.59731937	0.404069
SNORD55	-0.59714949	0.40395406
SLMO1	-0.59629474	0.40337588
MCAT	-0.59598582	0.40316687
PTPLAD1	-0.59496024	0.39689252
SLC19A1	-0.59464925	0.4022627
BICD1	-0.59464153	0.40225749
LYPLA1	-0.59379619	0.40168566
SLC35B4	-0.5937274	0.40163913
C6ORF167	-0.59326102	0.40132363
FOXRED2	-0.59322779	0.40130114
ALG13	-0.59293599	0.40110377
DIS3	-0.59281906	0.40102467
WDHD1	-0.59248279	0.4007972
DCC1	-0.59117127	0.39990996
SRP9	-0.59072199	0.39960609
CIT	-0.58972479	0.39893146
UCK2	-0.5894292	0.39873149
RRS1	-0.58860832	0.39817623
LOC642780	-0.58755836	0.39746597
PRKCE	-0.58750688	0.39743114
TMEM97	-0.5863365	0.39663943
PHF19	-0.58632362	0.39663072
BTBD3	-0.58611492	0.39648951
SLC3A2	-0.58585262	0.39631207
DDB1	-0.58448274	0.3953854

RBM28	-0.58352754	0.3947392
FBXO11	-0.58347011	0.39470036
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ABI2	-0.57742084	0.39060823
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FOXD4L1	-0.57353617	0.38798033
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TMEM93	-0.57131697	0.38647913
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LOC283932	-0.5669874	0.38355033
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CHAF1B	-0.56155172	0.37987321
PRKDC	-0.56039652	0.37909176
SPRED2	-0.560093	0.37888645
HEATR2	-0.55941013	0.37842451
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SRPK2	-0.53498788	0.36190356
NUP35	-0.53405053	0.36126948
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USP1	-0.52956997	0.35823852
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MTFR1	-0.38019067	0.25718781
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TARS2	-0.37806626	0.2557507
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FAM33A	-0.3763875	0.25461507
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BCL2L12	-0.37245272	0.25195332
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WRNIP1	-0.36616192	0.24769776
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LYRM2	-0.36541444	0.24719211
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MRPL30	-0.3649003	0.24684433
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LOC341457	-0.36391876	0.24618035
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LOC653971	-0.36306631	0.2456037
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VARS2	-0.35880544	0.24272134
SNRPB	-0.35787801	0.24209395
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PAXIP1	-0.35016486	0.23687624
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C1ORF216	-0.34833044	0.23563529
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LOC653377	-0.34278767	0.23188579
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SMARCA4	-0.324694	0.21964594
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MTA3	-0.32401608	0.21918734
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GTF2F2	-0.32210346	0.21789352
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TMEM69	-0.32145501	0.21745486
LOC728919	-0.3213478	0.21738235
WRB	-0.32028279	0.21666188
CKAP5	-0.31997637	0.21645459
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MRPL42	-0.31769777	0.21491318
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PSPC1	-0.31635236	0.21400308
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CCT8	-0.31327088	0.21191853
POGK	-0.31301607	0.21174616
VBP1	-0.31280505	0.21160344
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USP10	-0.3114255	0.2106702
PDE6D	-0.31053573	0.21006829
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C16ORF80	-0.30987263	0.20961971
MRPL17	-0.30958054	0.20942214
COX7A2	-0.30940591	0.20930399
RFP	-0.30909158	0.20909135

SNX27	-0.30578416	0.20685399
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CYC1	-0.30387462	0.20556225
C2ORF43	-0.30362083	0.20539056
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C17ORF32	-0.30283572	0.20485947
EIF2AK1	-0.30278584	0.20482571
LONP1	-0.30181415	0.20416839
DDX49	-0.30165076	0.20405787
C2ORF44	-0.30122488	0.20376977
CCDC44	-0.3010684	0.2036639
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MED19	-0.29963752	0.20269597
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FAM20B	-0.29846803	0.20190484
ADNP	-0.29663579	0.20066538
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COPA	-0.29355948	0.19858437
CEP76	-0.29347176	0.19852502
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ANAPC1	-0.28975383	0.19600996
DHPS	-0.28867092	0.19527737
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AHSA1	-0.28746094	0.19445888
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LOC642904	-0.28413726	0.19221051
NONO	-0.28324489	0.19160684
VPRBP	-0.28209461	0.19082871
PIGU	-0.2819263	0.19071484
PHF23	-0.28156928	0.19047333
MRPS34	-0.28149814	0.19042521
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HNRPC	-0.27590318	0.18664039
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LOC283951	-0.27266556	0.18445022
TIMM44	-0.27254189	0.18436656
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CSTF3	-0.2716605	0.18377034
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EIF5B	-0.27061658	0.18306416
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PALB2	-0.26917782	0.18209089
INTS2	-0.26861418	0.1817096
MRPS7	-0.26687227	0.18053124

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NAT10	-0.26062533	0.17630536
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DNAJA3	-0.24844665	0.16806685
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ANAPC11	-0.24377013	0.16490333
CHD4	-0.24279078	0.16424083
LIG4	-0.24146914	0.16334676
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TRIM37	-0.23051973	0.15593982
TNRC15	-0.2277646	0.15407606
MRPL9	-0.22456534	0.15191184
STRAP	-0.22429505	0.151729
HNRPR	-0.20928331	0.141574
NUDT15	-0.19996758	0.13527219
LOC643446	0.03279025	-0.02218165
XPA	0.21321775	-0.14423553
SAR1A	0.2522952	-0.17067028
ARHGAP1	0.25298218	-0.17113501
USP15	0.26284876	-0.17780946
CTDSP1	0.26552695	-0.17962117
FBXO18	0.26736255	-0.1808629
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APPL1	0.27601814	-0.18671816
SLMAP	0.28906107	-0.19554131
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TM9SF3	0.29658767	-0.20063284
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HCCA2	0.30390114	-0.20558019
SPRYD3	0.31068206	-0.21016728
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HEATR3	0.38264818	-0.25885023
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KIAA0494	0.38460708	-0.26017537
CCDC6	0.3888113	-0.26301941
RUNDC2C	0.38915219	-0.26325003
ZDHHC3	0.38936445	-0.2633936
LOC646897	0.39016021	-0.2639319
RAB11FIP1	0.39156857	-0.26488461
IQSEC1	0.39252711	-0.26553306
ITM2B	0.39330932	-0.26606219
LOC648059	0.39385753	-0.26643305
MBOAT5	0.39618928	-0.26801041
MYCBP2	0.40043405	-0.27088185
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SPN	0.40246855	-0.27225814
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PLEKHA1	0.40351843	-0.27296835
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ANXA7	0.40528131	-0.27416089
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PSCD1	0.40995473	-0.27732233
STIM1	0.41364041	-0.27981557
PCBD2	0.41719249	-0.28221845
CAMK2G	0.42170921	-0.28527387
MKNK1	0.42490259	-0.28743411
HDAC7A	0.42545064	-0.28780486
RIN2	0.42564775	-0.28793819
KLF13	0.42704796	-0.28888537

LOC649711	0.43067836	-0.29134124
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FCGRT	0.43369047	-0.29337885
KLF11	0.43402099	-0.29360244
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KIAA0247	0.43563336	-0.29469314
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VCL	0.44202564	-0.29901733
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PHF11	0.46284173	-0.31309882
ARHGAP10	0.46458476	-0.31427791
LOC92017	0.4651103	-0.31463341
ADD3	0.46584106	-0.31512777
SLC5A8	0.46590177	-0.31516886
SMARCA2	0.46629133	-0.31543237
EIF4EBP2	0.46682965	-0.31579653
ARRDC2	0.46886428	-0.3171729
ENG	0.46970958	-0.3177447
LOC92017	0.47153171	-0.31897734
MAN2A1	0.47279736	-0.31983352
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LOC654191	0.4761944	-0.32213149
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PPP1R13B	0.4794259	-0.32431752
LOC648852	0.48084398	-0.3252768
MALT1	0.48294721	-0.32669958
MBNL1	0.48375984	-0.3272493
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CBX7	0.48500672	-0.3280928
ZNF763	0.48544328	-0.3283881
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TTLL3	0.48721646	-0.32958761
SH3YL1	0.49292953	-0.33345234
HEG1	0.49755116	-0.33657873
CTAGE5	0.49760449	-0.33661478
AKTIP	0.49828598	-0.3370758
LSP1	0.50166226	-0.33935975
HECA	0.50310762	-0.3403375
VPS13D	0.5066477	-0.34273225
DOCK9	0.50711978	-0.3430516
CCDC109B	0.50790075	-0.34357993
ANXA11	0.50970888	-0.34480308
CFLAR	0.51585982	-0.34896401
CNN2	0.51664851	-0.34949752
PER2	0.51735461	-0.34997517

YPEL3	0.51773034	-0.35022933
MKNK2	0.51836762	-0.35066045
PARP12	0.51839184	-0.35067685
CSAD	0.51926146	-0.3512651
IFNGR1	0.51969377	-0.35155756
GLTP	0.53041497	-0.35881013
CDRT4	0.53066256	-0.36985572
LOC728069	0.53114981	-0.35930721
TNKS1BP1	0.5321665	-0.35999499
MMD	0.5324858	-0.360211
FAM43A	0.53679406	-0.36312539
C3ORF58	0.53817432	-0.36405909
CAST	0.53931561	-0.36483115
CALCOCO1	0.5434218	-0.36760888
GAS1	0.54999245	-0.37205371
PIK3R1	0.55419507	-0.37489668
CITED2	0.55526067	-0.37561749
CLK4	0.55846379	-0.37778433
ZFP36L1	0.56172933	-0.37999339
C10ORF104	0.56259866	-0.38058143
KIAA1274	0.56273251	-0.38067198
HSDL2	0.56370181	-0.38132768
IL3RA	0.56763335	-0.38398727
SNAI3	0.5683286	-0.38445758
ARHGAP23	0.56920121	-0.38504788
PDGFB	0.56997356	-0.38557036
REL	0.57033329	-0.3858137
LBA1	0.57295776	-0.38758907
JAG1	0.57314264	-0.38771415
HECW2	0.57473106	-0.38878862
NINJ2	0.57825283	-0.39117103
HEBP2	0.57913282	-0.39176634
CRY2	0.5799995	-0.39235261
ADAMTSL4	0.58312974	-0.3944701
SLC46A2	0.58672368	-0.39690132
LOC441268	0.58704693	-0.39712
CPEB3	0.58722964	-0.39724357
MST4	0.58746205	-0.3974008
OTUD1	0.58776134	-0.39760326
PTEN	0.58909769	-0.39850726
B3GALT4	0.59379544	-0.40168517
CYLD	0.59480265	-0.40236648
ASAHL	0.59489757	-0.40243071
LHPP	0.59747035	-0.40417111
DOCK11	0.59830011	-0.40473244
NFKBIA	0.60054878	-0.40625358
CSF1R	0.60216311	-0.40734565
PLA2G4B	0.60994692	-0.41261116
MGC14376	0.61215466	-0.41410461
EPHX1	0.61248407	-0.41432747
NMT2	0.61307167	-0.41472493
C5ORF39	0.6140696	-0.41540003
FAM117A	0.61471332	-0.42843657

RXRA	0.61475824	-0.41586586
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PCDH12	0.61684259	-0.42992061
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ANTXR1	0.62100726	-0.42009315
FRY	0.62141432	-0.42036852
C1QTNF5	0.62144991	-0.4203926
PTPRE	0.62336568	-0.42168856
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DOK2	0.62972451	-0.4259901
SHANK3	0.63001747	-0.42618828
TLR5	0.63069238	-0.42664486
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SIT1	0.63264954	-0.42796881
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GLRX	0.63484014	-0.42945066
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VENTX	0.63750915	-0.43125616
CEBPD	0.63858959	-0.43198707
BCL6	0.64113593	-0.4337096
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RUNDC2A	0.64397707	-0.43563155
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GPR34	0.64526952	-0.43650584
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GALNAC4S-6S	0.64769213	-0.43814466
MAP1A	0.6482771	-0.43854037
ELL2	0.64863732	-0.43878409
FLT3LG	0.64905005	-0.43906327
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ADRA2A	0.65268667	-0.44152337
EFNB1	0.65741935	-0.44472484
LRP1	0.65784445	-0.44501241
MGC61598	0.66493398	-0.44980829
PNPLA2	0.66610222	-0.45059857
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LIMS2	0.66926676	-0.45273926
NRP1	0.67007897	-0.45328872
CLIC2	0.6704058	-0.45350982
PLEKHA7	0.67219197	-0.4547181
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LYL1	0.67491709	-0.45656158
LOC641700	0.67499867	-0.45661677
SYT15	0.67674539	-0.45779835
LTB4R	0.67722424	-0.45812231
KIAA1706	0.68048867	-0.46033055
MAF	0.68189211	-0.46127997

CARD10	0.68329203	-0.46222695
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GIMAP4	0.69498743	-0.47013856
PTRF	0.69557034	-0.47053285
LOC652720	0.69623499	-0.47098249
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GFOD1	0.69777261	-0.47202263
CLEC14A	0.69956114	-0.47323252
SELM	0.70094028	-0.47416547
TCF4	0.70122311	-0.47435677
COL6A3	0.70233565	-0.47510941
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DDEFL1	0.70630849	-0.47779695
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SPARC	0.71648032	-0.48467786
CSRP2	0.71731255	-0.48524084
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SOX18	0.72418587	-0.48989044
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ACVRL1	0.72734598	-0.49202815
FLI1	0.72834723	-0.49270549
CD93	0.72925666	-0.4933207
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COL6A1	0.73816256	-0.49934524
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DGKA	0.74048377	-0.50091547
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NET1	0.74397501	-0.50327722
GMFG	0.74562609	-0.50439414
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THY1	0.74808575	-0.50605801
NEXN	0.75369219	-0.50985058
ELMO1	0.75415967	-0.51016681
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CYBRD1	0.75742581	-0.51237629

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KLF2	0.7706175	-0.52130009
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TNFAIP2	0.79330592	-0.53664814
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VASN	0.79568419	-0.53825696
PTGER2	0.79591047	-0.55472545
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ABCG1	0.79971573	-0.54098418
GALNTL4	0.80124233	-0.54201686
BASP1	0.80188412	-0.54245099
EVI1	0.80251261	-0.54287618
PLEKHG1	0.802865	-0.54311454
AIM1	0.80290185	-0.54313947
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LMO2	0.8071493	-0.54601278
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IRF8	0.82946965	-0.56111182
CTGF	0.82998142	-0.56145803
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ICAM2	0.83774791	-0.56671179
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ARHGAP27	0.84829187	-0.57384449
CAPN11	0.85055071	-0.57537253
CD200R1	0.85168589	-0.57614043
RNASE4	0.85173231	-0.57617185
ACTA2	0.85270818	-0.57683204
BCL6B	0.8536997	-0.57750276
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TBX15	0.85422639	-0.57785903
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LUM	0.85877345	-0.58093498
GIMAP6	0.86323596	-0.58395373
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COL1A2	0.86515208	-0.58524995
CALCRL	0.86820137	-0.58731272
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SPARCL1	0.87378475	-0.5910897
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TRIM22	0.87833557	-0.59416815
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MAPK13	0.88404471	-0.59803023
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AMICA1	0.88576076	-0.59919111
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TNFRSF25	0.88742695	-0.60031823
OLFML3	0.88867016	-0.60115921
HEPH	0.89046786	-0.60237534
PTGES	0.89107486	-0.60278599
EHD2	0.89250361	-0.60375241
FGD5	0.89544541	-0.60574248
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LRMP	0.90327331	-0.6110378
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GNA15	0.90413892	-0.6116234
GIMAP1	0.90849222	-0.61456823
ACSL5	0.91105565	-0.61630238
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ACSL1	0.91440213	-0.61856615
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SYNC1	0.91807846	-0.6210531
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ABCC3	0.91993017	-0.62230573
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GATA2	0.92277116	-0.64314354
KLF4	0.92399221	-0.62505358
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GPBAR1	0.93404383	-0.6318532
LDB2	0.93563552	-0.6329299
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VWF	0.96897768	-0.65548492
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EVA1	0.97453368	-0.70044605
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DUSP1	0.98028353	-0.66313299
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ETS2	0.98495608	-0.66629385
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REM1	0.99285695	-0.67163855
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CDH5	1.03963038	-0.70327933
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ADAMTS8	1.10270583	-0.76855255
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RAI2	1.1346795	-0.7675773
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GAS6	1.14406349	-0.77392529
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GPX3	1.15771059	-0.78315718
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SOD3	1.15881984	-0.78390751
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F3	1.21648942	-0.82291929
CLEC4GP1	1.21906285	-1.03846092
DLL1	1.22128203	-0.82616139
CCR6	1.22155051	-0.82634297
TMEM119	1.2249457	-0.82863972
BLNK	1.22533256	-0.82890148
LYVE1	1.22726643	-0.83020969
CXCL12	1.23084007	-0.84715817

BTNL9	1.23150475	-0.79685601
CP	1.23187085	-0.83332442
PODN	1.24053727	-0.83918704
FHL1	1.24059443	-0.83922569
THRA	1.24832838	-0.84445742
ADCY4	1.24969629	-0.84538279
ROBO4	1.25255126	-0.84731409
FILIP1L	1.25357	-0.84800323
FMO2	1.25554789	-0.8493412
SLC24A3	1.25743187	-0.85061569
FBLN2	1.25920415	-0.85181454
DSEL	1.26247281	-0.96789587
SYTL1	1.26910048	-0.94159065
CPZ	1.27009146	-0.88521527
SELP	1.27298575	-1.16690361
GHR	1.27456214	-0.86220381
CCDC85A	1.28125753	-0.86673305
FLJ90650	1.28547128	-0.86958349
ESAM	1.29401645	-0.93007433
HSPB8	1.29488127	-0.90249302
SOX7	1.29713854	-0.87747611
GPR15	1.30116734	-0.90687424
IL18R1	1.30193616	-0.90741008
TNFSF10	1.30618523	-0.88359592
SMOC2	1.31011884	-0.88625686
C8ORF13	1.31311367	-0.88952864
RASD1	1.31325444	-0.88837805
S100A8	1.3139227	-0.88883006
INS-IGF2	1.31525958	-0.88973442
SPINT2	1.31619006	-0.89036384
ACTG2	1.320909	-0.8935561
LAMA3	1.3218226	-0.89417416
ADAMTS5	1.32355508	-0.89534605
ANKRD35	1.32448182	-0.89597297
ANKRD29	1.32901029	-1.13211986
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ALDH1A2	1.33500593	-0.9030922
RIPK3	1.33959297	-0.9061952
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RUNX1T1	1.33988023	-1.02724147
PTGFR	1.34172492	-0.90763744
CD34	1.34610863	-0.99872571
DGAT2	1.35156457	-0.91429367
CACNA2D3	1.35160256	-1.03622859
EFEMP1	1.35351202	-0.9156111
AGTR1	1.35426308	-0.91611918
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LTC4S	1.36376092	-1.01182262
PTGER3	1.36672517	-1.51858353
SEMA3G	1.36761187	-0.98297109
ABLIM2	1.36818956	-0.95358663
AOC3	1.37706721	-0.93154544
VGLL3	1.37925075	-1.02331506

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MAOA	1.40033698	-0.94728681
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AOX1	1.4047779	-0.95029099
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COL21A1	1.40738011	-0.98090129
CGNL1	1.41080138	-0.95436563
SOX17	1.41389972	-0.95646161
RBP4	1.41563785	-1.0174897
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APCDD1	1.42304879	-0.96265068
GJA1	1.42646923	-0.96496448
LMOD1	1.42652966	-0.96500537
MMP7	1.42684803	-1.07013612
CCDC80	1.42692143	-1.09397308
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ALDH2	1.43047004	-0.96767091
DACH1	1.43172946	-1.06225086
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LOC285016	1.4428996	-0.97607912
LYPD3	1.44600106	-0.97817718
GALNTL2	1.44691167	-1.18853461
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DAPP1	1.45142888	-1.04321451
GPD1	1.4541916	-0.9837178
C3	1.45444116	-0.98388667
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LOC338328	1.46561694	-0.99144679
CCDC3	1.47297233	-0.99642244
ABLIM1	1.47300946	-0.99644758
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LY75	1.47580085	-1.21226499
GOLSYN	1.48447006	-1.02057316
ASS1	1.48614151	-1.00533107
SYNPO2	1.48982184	-1.00782066
CA4	1.4908529	-1.1429872
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PROM2	1.50966319	-1.02124275
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LPPR4	1.51653639	-1.12517217
ABI3BP	1.51971905	-1.02804525
MRGPRF	1.52215048	-1.02969
FMO3	1.52614607	-1.01743074
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NTRK2	1.531614	-1.06748849
SASP	1.53856826	-1.04079619
CLEC3B	1.56546654	-1.05899207
CPA3	1.5685425	-1.2884456
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SCARA5	1.57329162	-1.06428556
KL	1.57686603	-1.09902784
TLL1	1.58489575	-1.10462429
DNASE1L3	1.58540797	-1.07248191
FZD10	1.59114486	-1.07636269
TUBA4A	1.59569935	-1.07944368
TRIM29	1.59897207	-1.11443511
PLAC9	1.60381682	-1.0849349
TMEM30B	1.60872704	-1.12123403
CFD	1.61048297	-1.08944432
CBFA2T3	1.63656623	-1.10708892
RSPO3	1.63811781	-1.10813854
DPT	1.64275872	-1.111278
CCBP2	1.64723554	-1.18395054
SCNN1A	1.65156318	-1.11723392
TFF3	1.66833476	-1.22344551
DPP4	1.67639638	-1.16839751
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PGM5	1.68160739	-1.18971481
CNN1	1.68221427	-1.37069311
PI16	1.68231253	-1.13803491
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CLDN5	1.69208209	-1.14464381
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PID1	1.704474	-1.18796668
FGFR3	1.7099636	-1.15674007
CDH23	1.71133096	-1.26969712
ADH1B	1.71152136	-1.40589249
PON3	1.71332579	-1.15901453
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AKR1C3	1.75355493	-1.18622837
CCL19	1.75876143	-1.1897504
MFAP4	1.78667751	-1.20863481
FCER1A	1.78752691	-1.78752688
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SLIT3	1.8229864	-1.17957941
ELOVL7	1.84391375	-1.1931207
MYH11	1.84419501	-1.24754372
NNAT	1.86601561	-1.34119869
RERG	1.89527532	-1.32094945
CIDEA	1.90516295	-1.67654346
C6	1.90605551	-1.29119893
HOP	2.00202677	-1.35431225
AKR1C4	2.00325312	-1.35514186
TPSAB1	2.00464829	-1.35608564
HDC	2.01677601	-1.34451733
CTSG	2.02305708	-1.50097782

CCL15	2.03478562	-1.37647264
HEPACAM	2.04622325	-1.63697865
MMRN1	2.0506415	-1.57215853
DARC	2.07011453	-1.40037159
CYP4F12	2.12633438	-1.88098811
ADH1A	2.14854362	-1.49746977
EPHB6	2.30321051	-1.8266842
C2ORF40	2.31570497	-1.69818366
VIPR1	2.4369065	-2.43690653
CCL21	2.51653408	-1.75394795