

Symbol	corr	padj
LINC00341	1	0
TSC22D3	0.94722614	2.45E-08
CLEC3B	0.90458076	7.19E-06
AGPAT1	0.90400385	7.19E-06
UBXN8	0.89777636	8.01E-06
ZNF467	0.89752245	8.01E-06
PLCD3	0.89678438	8.01E-06
EPHB4	0.89469023	8.01E-06
INPP5K	0.89245725	8.01E-06
TFEB	0.89163758	8.01E-06
WIPI2	0.89150998	8.01E-06
ABCB6	0.88992646	8.65E-06
ATG9B	0.88806671	9.63E-06
KCTD2	0.88678494	1.02E-05
JPH4	0.88552994	1.02E-05
NDRG4	0.88021989	1.54E-05
CUEDC1	0.87512548	2.15E-05
PHYH	0.87303302	2.29E-05
RAMP2	0.87219044	2.29E-05
UNC13D	0.87154643	2.29E-05
C14orf1	0.87023758	2.38E-05
C6orf47	0.86940504	2.38E-05
TKT	0.86910327	2.38E-05
DSTNP2	0.86679249	2.68E-05
PODNL1	0.86607709	2.75E-05
G6PD	0.86414165	3.09E-05
TMEM173	0.86151914	3.38E-05
CAT	0.86107023	3.38E-05
PLCD1	0.85982001	3.38E-05
PPAP2A	0.85905208	3.38E-05
HIST1H2AC	0.85884263	3.38E-05
TPRG1L	0.85879755	3.38E-05
LINC00622	0.85870799	3.38E-05
FNDC4	0.85722966	3.48E-05
HSPB8	0.85720684	3.48E-05
ZFYVE28	0.85516909	3.86E-05
HEXIM1	0.85499809	3.86E-05
FCN3	0.85386683	4.10E-05
AC007362.1	0.85056432	4.68E-05
SMPD1	0.85050503	4.68E-05
DNASE1L1	0.85016754	4.71E-05
VIPR1	0.84991101	4.72E-05
CREB3	0.84869611	5.02E-05
NPR1	0.84811128	5.02E-05
AQP3	0.84790862	5.02E-05
EPHX1	0.84592556	5.65E-05
GSN	0.84552221	5.72E-05

USP5	0.84531787	5.72E-05
HDAC5	0.84406414	6.02E-05
NQO1	0.84392735	6.02E-05
ACVRL1	0.84302039	6.14E-05
TRPV2	0.84301962	6.14E-05
P4HB	0.84258716	6.23E-05
MOB3C	0.84209595	6.35E-05
CAPNS1	0.84152291	6.35E-05
SLC41A3	0.84128757	6.35E-05
VIP	0.84118547	6.35E-05
TMBIM4	0.84075236	6.45E-05
CRTAC1	0.84007422	6.58E-05
GPX3	0.83976075	6.58E-05
AKT1S1	0.83971995	6.58E-05
TSPAN9	0.83848123	6.81E-05
PTGR1	0.83836615	6.81E-05
COL23A1	0.83718942	7.08E-05
PSORS1C1	0.83667726	7.17E-05
TRIM16	0.83582097	7.37E-05
RUFY1	0.83527284	7.39E-05
RILPL2	0.83361307	7.86E-05
MAGIX	0.83352028	7.86E-05
RHOA	0.83350554	7.86E-05
LINC00324	0.83281384	8.09E-05
HM13	0.83175552	8.40E-05
LGALSL	0.83066039	8.57E-05
LIMS2	0.83026423	8.69E-05
NFS1	0.82999365	8.69E-05
KIAA1324	0.82948538	8.76E-05
STPG1	0.82913621	8.76E-05
IL3RA	0.82909654	8.76E-05
TMEM8B	0.82846611	9.02E-05
CTB-25B13.1	0.8274888	9.21E-05
FTLP3	0.82732298	9.23E-05
ANKRD55	0.82655655	9.31E-05
PGRMC2	0.82643608	9.31E-05
AC013283.1	0.82632966	9.31E-05
EAPP	0.82613627	9.35E-05
FAM189B	0.82418526	0.00010119
RP11-798K2.3	0.8241674	0.00010119
PPCS	0.82406436	0.00010119
FAM134A	0.82363595	0.00010236
ZER1	0.82287324	0.00010387
DKFZP761J1.1	0.82279006	0.00010387
LINC00035	0.82254509	0.00010419
TMEM184B	0.82211813	0.00010543
B3GNT8	0.82173785	0.00010578
NINJ2	0.82047344	0.00011093

DOK4	0.8198943	0.00011254
VAR52	0.81947861	0.00011393
PINK1	0.81931959	0.00011429
LYPD1	0.81914061	0.00011478
CAPN1	0.81890322	0.00011565
CPAMD8	0.81822141	0.00011747
RP11-392P7.6	0.81664936	0.00012373
ADAMTS10	0.81643848	0.00012373
HINFP	0.81596376	0.00012563
C15orf52	0.81584022	0.00012563
RRAGA	0.8150866	0.00012804
ARSG	0.81448372	0.00013054
RP11-373D2.3	0.81420035	0.00013191
MOB3A	0.81330146	0.00013659
LMCD1	0.81328833	0.00013659
RP11-48B3.4	0.8131672	0.00013659
GTF2IRD2	0.81307557	0.00013659
RTKN	0.81306213	0.00013659
TMEM171	0.81272513	0.00013659
ACP2	0.81255971	0.00013659
PRMT2	0.81242136	0.00013659
AP2M1	0.81236593	0.00013659
RNF8	0.81212225	0.00013659
CALHM2	0.8120414	0.00013659
CMAS	0.81154804	0.00013735
ALDH3A1	0.81131419	0.00013735
FTH1	0.81126742	0.00013735
SNX3	0.81094062	0.00013915
ZFAND2B	0.81047478	0.0001392
AP001007.1	0.81025692	0.0001392
DLL1	0.81014776	0.0001392
HVCN1	0.81004558	0.0001392
C9orf9	0.80996748	0.0001392
NAT6	0.80984868	0.0001392
MPC1	0.809677	0.0001392
SERPINB6	0.80940055	0.0001392
GPANK1	0.80921126	0.00013957
DYNC2LI1	0.80876904	0.00014107
SLC48A1	0.80843517	0.00014197
PRAF2	0.80812425	0.00014315
MTIF3	0.80782268	0.0001443
NLRC4	0.8075981	0.00014544
SPATA20	0.80723019	0.00014565
SFRP5	0.80717201	0.00014565
SNORA40	0.8071306	0.00014565
BMP1	0.80634145	0.0001494
KLC4	0.8061327	0.0001494
AF131217.1	0.80591476	0.00014947

DUSP4	0.80589363	0.00014947
IQCG	0.80569991	0.00015007
C16orf45	0.80470949	0.00015411
ARHGEF15	0.80469846	0.00015411
UBXN6	0.80455265	0.00015418
CRAT	0.8042817	0.00015509
SYBU	0.80426414	0.00015509
SMTNL2	0.80423371	0.00015509
PI4K2A	0.80376636	0.00015792
MTFR1L	0.80374581	0.00015792
LAMB2	0.80367046	0.00015798
ROGDI	0.80214398	0.00016654
ZNF404	0.80210682	0.00016654
TBC1D17	0.80165026	0.0001698
RNF10	0.80107552	0.00017316
GPR137	0.80106494	0.00017316
POR	0.80086434	0.00017379
RAPSN	0.80031911	0.00017515
TMBIM1	0.80006723	0.00017568
LINC00888	0.79999704	0.00017574
ATP6AP2	0.79954807	0.00017834
SLC39A11	0.79941561	0.00017834
LMNA	0.79932639	0.00017834
TG	0.79879594	0.00018198
SGSM3	0.79866669	0.00018258
TMBIM6	0.79782461	0.00018747
TMEM189	0.7971282	0.00019133
OMA1	0.79673504	0.00019391
MSMO1	0.79653251	0.00019391
FEZ1	0.79635881	0.00019416
EVI5L	0.79632777	0.00019416
PSMG3-AS1	0.79632687	0.00019416
AAED1	0.79610521	0.00019514
TMEM45A	0.79500232	0.00020096
MICAL1	0.79483033	0.00020096
MAN1B1	0.79476922	0.00020096
GSTK1	0.79465722	0.00020096
PSAP	0.79454446	0.00020096
PANX2	0.79451497	0.00020096
RNASE1	0.79406657	0.0002048
CFHR1	0.79397688	0.00020513
SMIM20	0.79311363	0.0002111
SLC39A7	0.79309987	0.0002111
FAM134C	0.7928371	0.00021195
BX936347.1	0.79280907	0.00021195
PIIB	0.79265692	0.00021254
ANPEP	0.79251662	0.00021306
RP11-1180F2	0.79226902	0.00021503

SNUPN	0.79199408	0.00021672
NACAD	0.79196609	0.00021672
DAXX	0.79187518	0.0002168
PEX11A	0.79182218	0.0002168
RASA4CP	0.79153417	0.00021891
KLHDC8B	0.79121786	0.00022029
PPP1R7	0.79119354	0.00022029
AC005789.11	0.79107063	0.00022068
FTH1P20	0.79071505	0.00022337
HLA-E	0.79060107	0.00022382
CYB5D2	0.79055811	0.00022382
HDAC7	0.79037361	0.00022522
BRE	0.79026088	0.00022585
ANG	0.7899595	0.00022852
CALR	0.78960973	0.00023104
NPPC	0.78946572	0.00023104
CTA-963H5.4	0.78930782	0.00023157
ARL6IP5	0.78919116	0.00023227
RAB9A	0.78893049	0.00023439
SLC35E4	0.78882895	0.00023439
PTGS1	0.7887601	0.00023439
ERCC5	0.78863074	0.00023439
PDIA4	0.78861173	0.00023439
TBXA2R	0.78832947	0.0002353
FBXO8	0.788328	0.0002353
GLRX	0.78808589	0.0002358
LAMB3	0.78806431	0.0002358
LRRC27	0.78804472	0.0002358
FLYWCH1	0.7876168	0.00023718
ASS1	0.7873662	0.00023827
AC084125.4	0.7873174	0.00023827
DYX1C1	0.78712692	0.00023874
DSTN	0.78698171	0.00023936
CBR1	0.7868836	0.0002398
ST8SIA6-AS	0.78660966	0.00024083
FKBP1B	0.7865956	0.00024083
YIPF2	0.78643811	0.00024205
SLC22A4	0.78598324	0.0002442
CCDC104	0.7859372	0.0002442
SLC10A3	0.78588617	0.0002442
PSPN	0.78587243	0.0002442
GPER1	0.78539273	0.00024679
MMP24-AS1	0.78468837	0.00025438
ACRC	0.78453591	0.00025449
HADHB	0.78331802	0.00026187
DUSP22	0.78320962	0.00026187
S1PR4	0.78240074	0.00027014
TCTA	0.78203302	0.00027301

ITLN2	0.78189589	0.00027396
IPO13	0.78176369	0.00027504
KCNN4	0.78164995	0.00027546
ERBB2	0.78151146	0.00027613
LTBR	0.7809856	0.00028063
RP5-821D11.	0.78006515	0.00028692
MED16	0.78005805	0.00028692
NSDHL	0.77995352	0.00028718
RXRA	0.77989748	0.00028718
EFEMP2	0.77980308	0.00028718
SYNGR2	0.77979923	0.00028718
DNAJB2	0.77977214	0.00028718
HOXD8	0.77944779	0.00028977
RMDN2-AS1	0.77943829	0.00028977
SOX2	0.77931823	0.00029076
CTC-444N24	0.77910209	0.00029301
KIAA1522	0.7788376	0.00029477
ABCB9	0.77858052	0.00029758
PMP22	0.77828025	0.00029862
CCDC9	0.77813496	0.00029889
SULT1A1	0.77778589	0.00030126
PRICKLE4	0.77768424	0.00030162
ST6GALNAC	0.7776395	0.00030162
UBE2A	0.77763066	0.00030162
CTD-2319I12	0.77747351	0.00030315
SLC35C2	0.77715521	0.0003063
PLD2	0.7770617	0.00030642
AC092171.4	0.77653662	0.00031186
RTN2	0.77617702	0.00031509
BFSP1	0.77570156	0.00031826
MVP	0.77558713	0.00031923
RPL17-C18ot	0.77550474	0.00031952
UFSP2	0.77531643	0.00032128
DEDD2	0.77482102	0.00032715
ATPAF2	0.77397364	0.00033704
MAPK7	0.77378823	0.00033916
ZRSR2	0.77374433	0.0003392
DEXI	0.77366747	0.00033973
SYS1	0.77290744	0.00034801
MIR503HG	0.77281081	0.00034849
CTB-113P19.	0.77273214	0.00034849
AC093668.2	0.77253878	0.00034991
TMEM120A	0.7725371	0.00034991
AGPAT9	0.7722143	0.00035377
ULK1	0.77220239	0.00035377
UBE2F	0.77211932	0.00035442
CCND3	0.77202033	0.00035445
OBSL1	0.77184622	0.00035614

SELPLG	0.77165827	0.00035841
ORAI2	0.77143984	0.00036051
ECM1	0.77119966	0.00036267
OS9	0.77085928	0.0003665
LRRC23	0.7706155	0.00036669
DDIT4	0.77059448	0.00036669
EGLN3	0.77022594	0.00036962
HPS1	0.76992979	0.00037308
EEF1A1	0.7696231	0.00037548
TBC1D22A	0.76934261	0.00037937
CIR1	0.76885957	0.00038533
MOCS2	0.768716	0.00038665
MLYCD	0.76867584	0.00038665
DDAH2	0.76866224	0.00038665
AC026806.2	0.76857828	0.00038676
ATP13A2	0.7682759	0.00038984
TM2D2	0.76783123	0.00039403
PGD	0.76776543	0.00039449
WBP5	0.76771583	0.00039468
OSTC	0.76725399	0.00040116
DGKA	0.76721283	0.00040121
LCN6	0.76678801	0.0004078
AF131215.9	0.76663267	0.00040808
OAZ3	0.76643174	0.00041002
SLC12A9	0.76619394	0.00041247
PNPLA6	0.7660771	0.00041247
MFSD11	0.76606711	0.00041247
RP11-73M18	0.76606376	0.00041247
ATG9A	0.76594384	0.00041309
DGAT1	0.76591568	0.00041309
C1orf216	0.76579266	0.00041457
RNU5B-4P	0.76555851	0.0004167
CLEC4A	0.76548313	0.00041737
ISY1	0.76510611	0.00042254
KIAA0930	0.76507741	0.00042254
TSPAN17	0.76482578	0.00042477
SLC9A3R2	0.7645084	0.0004287
PLEKHF1	0.76424438	0.00043145
ITGB5	0.7641255	0.00043219
PREB	0.76410562	0.00043219
ZNF30	0.76409346	0.00043219
SLC3A2	0.76394786	0.0004335
THBS3	0.76354751	0.00043942
PFKFB4	0.76348559	0.00043956
THAP8	0.7634671	0.00043956
GSTA4	0.7633504	0.00044078
WDR45	0.76322164	0.0004414
GLIPR2	0.76312095	0.00044183

TSPYL1	0.7630896	0.00044183
ING4	0.76267566	0.00044759
AL590822.1	0.76222889	0.00045247
RP11-326F20	0.76219003	0.00045247
LGALS3	0.7619915	0.00045511
LINC00662	0.76197759	0.00045511
CRIP2	0.76189039	0.00045571
ANXA9	0.76177061	0.00045602
GATSL3	0.76176136	0.00045602
DYRK1B	0.76175167	0.00045602
ATP6V1H	0.76160298	0.00045814
MUL1	0.76148924	0.00045962
MXD4	0.76134849	0.00046025
ZDHC16	0.76127965	0.00046025
FADS2	0.76106809	0.00046292
TFE3	0.76078899	0.00046757
PHYKPL	0.76061666	0.00046953
LPL	0.76050337	0.00047103
OTUB2	0.75999627	0.00047729
BLCAP	0.75981673	0.00047894
NUCB1	0.75963778	0.00048176
TRAPPC6A	0.75944063	0.00048355
GTF2IRD2B	0.75925088	0.00048427
WDR25	0.75874446	0.00048988
SGSH	0.75868852	0.00049023
BAIAP2	0.75829786	0.00049438
SLC27A4	0.75828027	0.00049438
TEX264	0.75816335	0.00049604
PRDX1	0.75796116	0.00049739
YIPF1	0.75785579	0.00049883
CAMKK1	0.75778339	0.00049961
RP1-90J20.1	0.75771395	0.00049966
CPQ	0.75744678	0.00050254
POLD4	0.75727644	0.00050254
SLC30A3	0.7572658	0.00050254
MEI1	0.75714625	0.00050372
NQO2	0.75699707	0.00050607
B4GALT3	0.75681446	0.00050844
ACSF2	0.75668735	0.00051036
KLC1	0.75662926	0.00051047
AKAP8L	0.75661588	0.00051047
CARD10	0.7562556	0.00051517
LSMEM1	0.75615715	0.00051585
SLC22A31	0.75597817	0.0005181
MVK	0.75585067	0.00051852
CAPS	0.75584015	0.00051852
AIFM2	0.75558585	0.00052228
RP11-305K5	0.75489625	0.00053405

SCAMP3	0.75457549	0.00053768
RPS6KB2	0.75452114	0.00053768
TBXAS1	0.75449942	0.00053768
RP11-612B6.	0.75444119	0.00053824
MAP4K2	0.75430978	0.00053967
RP11-286H15	0.75415058	0.00054171
DNAJB1	0.75408752	0.00054238
C11orf49	0.75376261	0.00054662
FAM110D	0.75374477	0.00054662
OSBPL7	0.7537318	0.00054662
FOXD4	0.75373101	0.00054662
TPST2	0.75351266	0.00054823
NFATC1	0.75347018	0.00054823
IL17RC	0.75346579	0.00054823
GPR162	0.75307614	0.00055258
ZFYVE19	0.75302631	0.00055297
POU6F1	0.75297726	0.00055336
LYPD6B	0.75280616	0.00055568
RP11-339B21	0.752773	0.00055568
LMAN2	0.752629	0.00055755
ARAP1	0.75246887	0.00056019
CRY2	0.75238373	0.00056019
RCN1	0.7523279	0.00056073
EMC3	0.75222058	0.00056173
KCNAB2	0.75206749	0.00056442
PQLC3	0.75191618	0.00056604
CCDC159	0.75187062	0.00056604
ANKRD19P	0.7518299	0.00056626
HOXB7	0.75154007	0.00057076
TSG101	0.75145415	0.00057188
VPS33A	0.75091735	0.0005812
SKP1	0.75021437	0.00059166
FBXO31	0.75011502	0.00059325
CLDN15	0.75007548	0.00059346