

OMTN, Volume 19

Supplemental Information

circCELSR1 (hsa_circ_0063809) Contributes to Paclitaxel Resistance of Ovarian Cancer Cells by Regulating FOXR2 Expression via miR-1252

Shu Zhang, Jie Cheng, Chenlian Quan, Hao Wen, Zheng Feng, Qin Hu, Jun Zhu, Yan Huang, and Xiaohua Wu

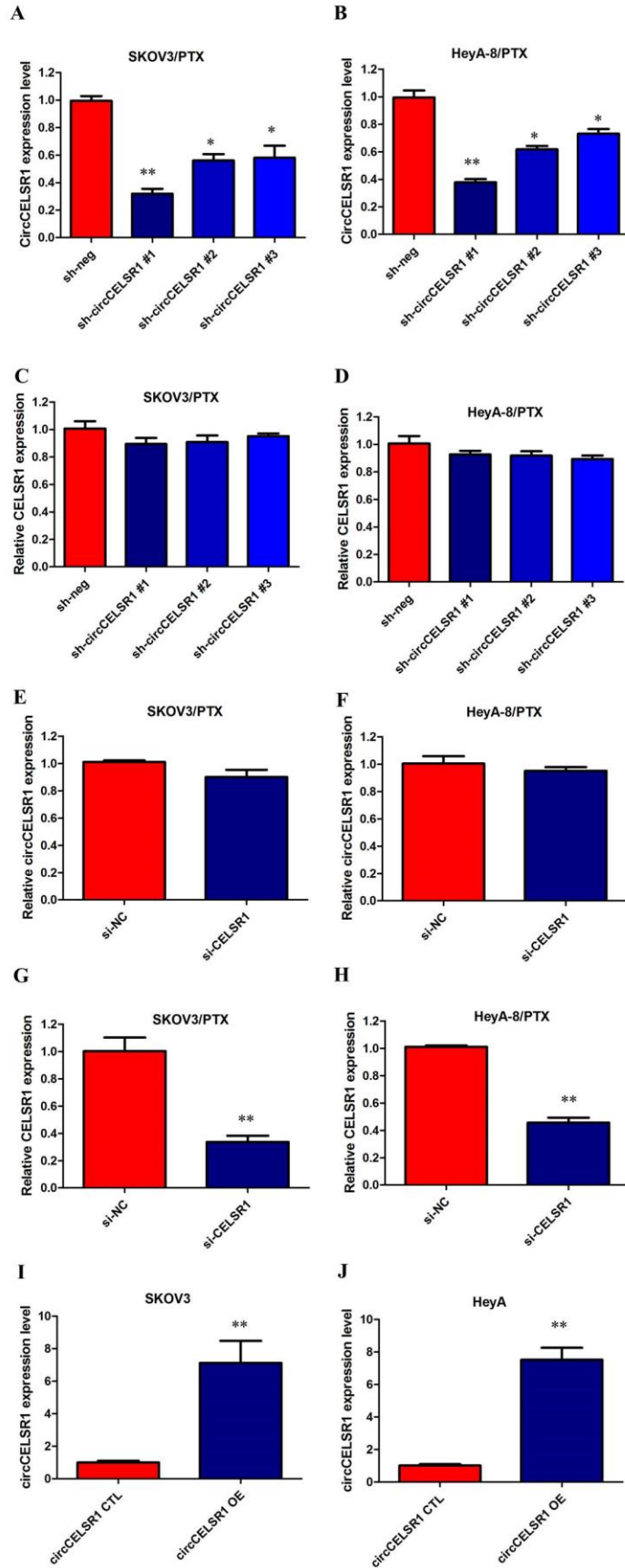


Figure S1 (A) The qRT-PCR analysis confirmed that circCELSR1

expression level was significantly downregulated in SKOV3/PTX cells by sh-circCELSR1; (B) The qRT-PCR analysis confirmed that circCELSR1 expression level was significantly downregulated in HeyA-8/PTX cells by sh-circCELSR1; (C) The qRT-PCR assay indicated the expression level of CELSR1 in SKOV3/PTX cells treated with sh-circCELSR1; (D) The qRT-PCR assay indicated the expression level of CELSR1 in HeyA-8/PTX cells treated with sh-circCELSR1; (E) The qRT-PCR assay indicated the expression level of circCELSR1 in SKOV3/PTX cells treated with si-CELSR1; (F) The qRT-PCR assay indicated the expression level of circCELSR1 in HeyA-8/PTX cells treated with si-CELSR1; (G) The qRT-PCR assay indicated the expression level of CELSR1 in SKOV3/PTX cells treated with si-CELSR1; (H) The qRT-PCR assay indicated the expression level of CELSR1 in HeyA-8/PTX cells treated with si-CELSR1; (I) The qRT-PCR assay indicated the relative abundance of circCELSR1 in SKOV3 cells infected with circCELSR1 overexpressing adenovirus (circCELSR1 OE) or control GFP adenovirus (circCELSR1 CTL); (J) The qRT-PCR assay indicated the relative abundance of circCELSR1 in HeyA-8 cells infected with circCELSR1 overexpressing adenovirus (circCELSR1 OE) or control GFP adenovirus (circCELSR1 CTL); All tests were at least performed three times. Data were expressed as mean \pm SD. ***P < 0.001;**P < 0.01;

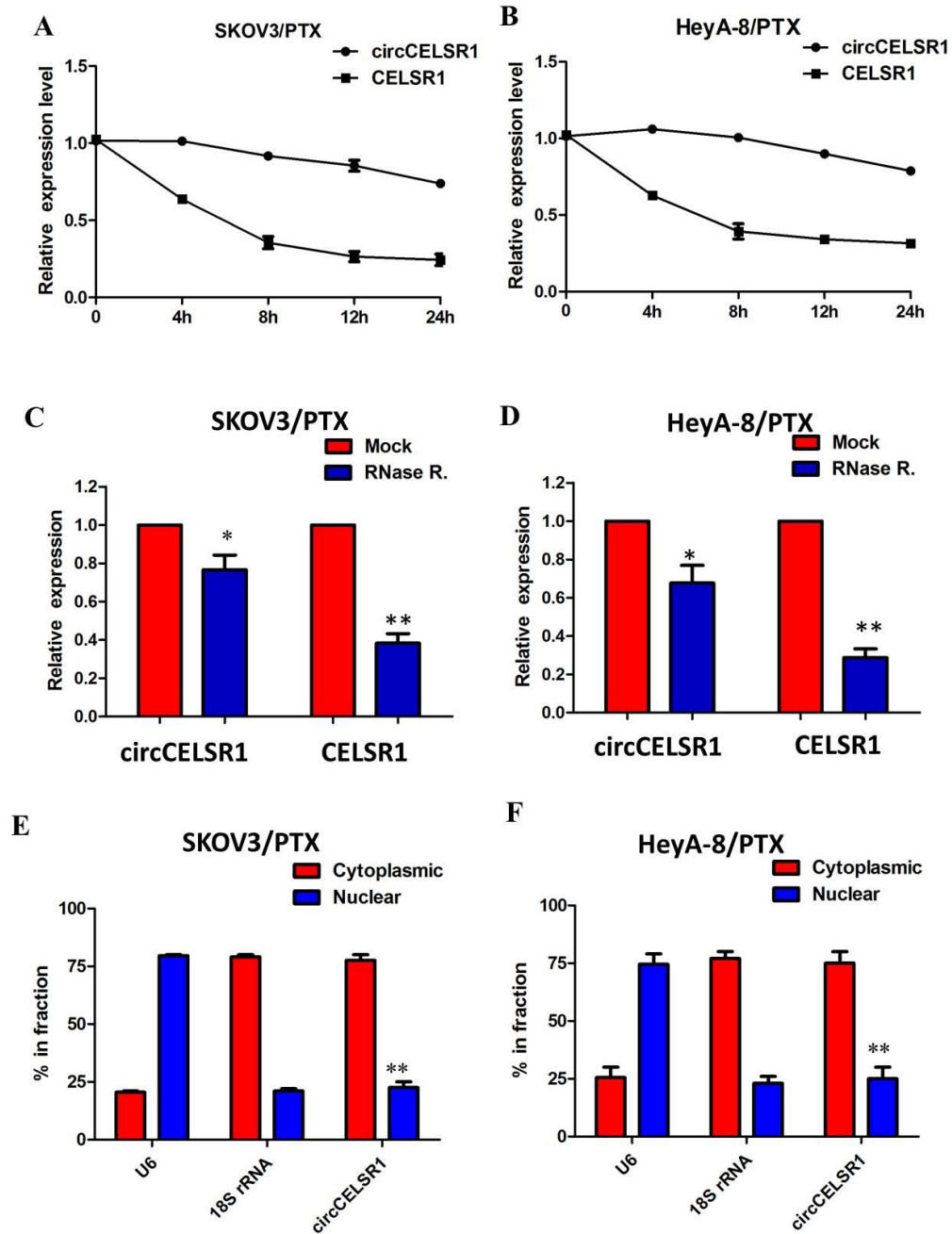


Figure S2 (A) The qRT-PCR for the abundance of circCELSR1 and CELSR1 in SKOV3/PTX cells treated with Actinomycin D at the indicated time point; (B) The qRT-PCR for the abundance of circCELSR1 and CELSR1 in HeyA-8/PTX cells treated with Actinomycin D at the indicated time point; (C) circCELSR1 was resistant to RNase R digestion in SKOV3/PTX cells. (D) circCELSR1 was resistant to RNase R

digestion in HeyA-8/PTX cells. (E) Levels of circCELSR1 in the nuclear and cytoplasmic fractions of SKOV3/PTX cells; (F) Levels of circCELSR1 in the nuclear and cytoplasmic fractions of HeyA-8/PTX cells. Data are the means \pm SD of three experiments, * P <0.05, ** P <0.01;

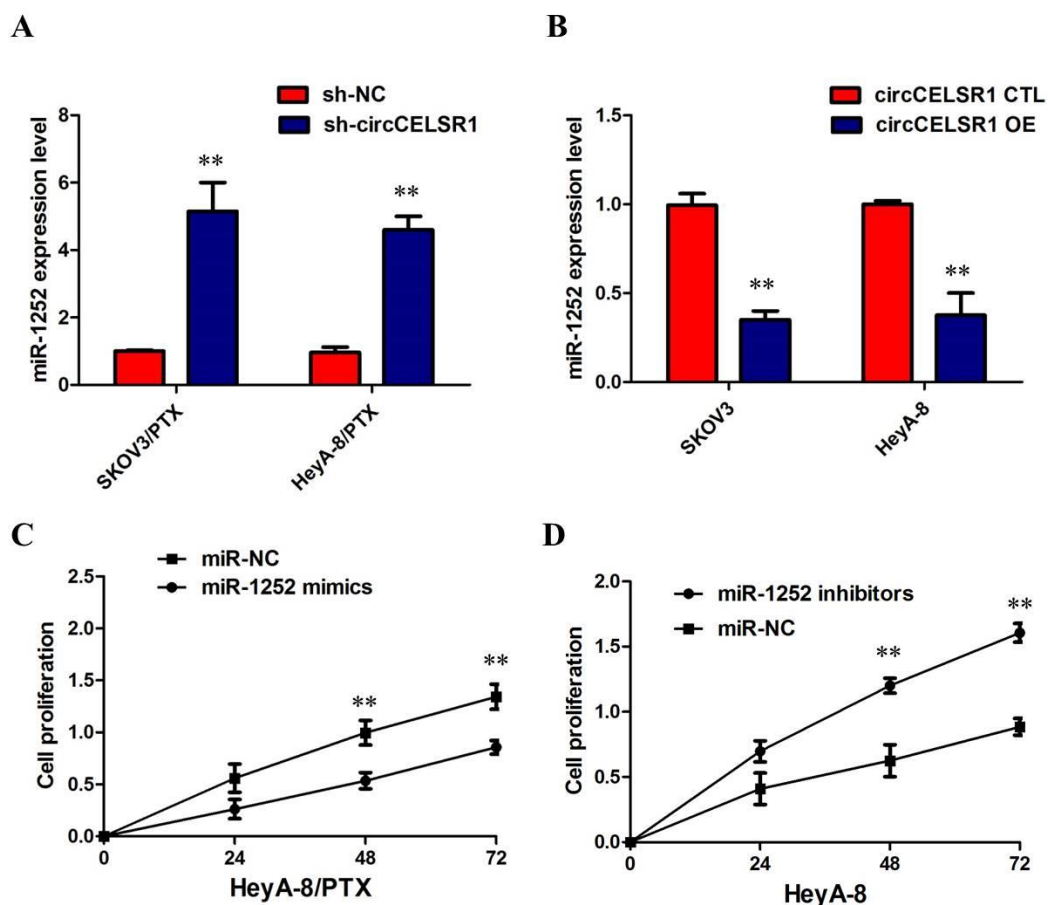


Figure S3 (A) Inhibition of circCELSR1 increased the expression level of miR-1252 in SKOV3/PTX and HeyA-8/PTX cells; (B) Overexpression of circCELSR1 decreased the expression level of miR-1252 in SKOV3 and HeyA-8 cells; (C) CCK-8 assay showed that miR-1252 overexpression could dramatically inhibit the proliferation of HeyA-8/PTX cells; (D) CCK-8 assay showed that inhibition of miR-1252

could dramatically promote the proliferation of HeyA-8 cells; All tests were at least performed three times. Data were expressed as mean \pm SD.

***P < 0.001; **P < 0.01;

CircRNA

CircRNA (Top) - miRNA (Bottom) pairing

Mirbase ID

hsa_circ_0063809 (5' ... 3')	CGGCACGGCACAGCUGCUCCGGC||| |||
hsa-miR-1203 (3' ... 5')	CUCGACGUAGGACCGAGGCC
hsa_circ_0063809 (5' ... 3')	GCCUACCAGCUGCUGGGCCACGU|||
hsa-miR-1204 (3' ... 5')	UAUUACCUCUGUCCGGUGCU
hsa_circ_0063809 (5' ... 3')	GGACGGCGCCAGGGCCUGCAGC|||
hsa-miR-1205 (3' ... 5')	GAGUUUCGUUUGGACGUCU
hsa_circ_0063809 (5' ... 3')	GGCUACUUCAGCAACGUGGCACG|||
hsa-miR-1227 (3' ... 5')	GACCCUUUCCACCGUGC

<p>hsa_circ_0063809 (5' ... 3')</p> <p>hsa-miR-1252 (3' ... 5')</p>	<p>AGCUGCUGGGCCACGUCCUUCAG</p> <p>|||||</p> <p>AUUUACUUAAGUUAAGGAAGA</p>
<p>hsa_circ_0063809 (5' ... 3')</p> <p>hsa-miR-1276 (3' ... 5')</p>	<p>ACAGCACACGGGCACGCUCUUUG</p> <p>|||||</p> <p>ACAGAGGUGUCCCGAGAAAU</p>
<p>hsa_circ_0063809 (5' ... 3')</p> <p>hsa-miR-1287 (3' ... 5')</p>	<p>GCGGCGUGGGAGCAGAUCACGG</p> <p>|||||</p> <p>CUGAGCUUGGUGACUAGGUCGU</p>
<p>hsa_circ_0063809 (5' ... 3')</p> <p>hsa-miR-1295 (3' ... 5')</p>	<p>GCAAUGACGUGCGCACGGCCUAC</p> <p>|||||</p> <p>AGUGGGUCUAGACCCGGAUU</p>
<p>hsa_circ_0063809 (5' ... 3')</p>	<p>AGUUCAACUUUACGGGAGCCAGG</p> <p>|||||</p>

hsa-miR-149 (3' ... 5')	CCUCACUUCUGUGCCUCGGUCU
hsa_circ_0063809 (5' ... 3')	CAGCACGAGAGCUGGCAGCAGGG||||||
hsa-miR-370 (3' ... 5')	UGGUCCAAGGUGGGGUCGUCCG
hsa_circ_0063809 (5' ... 3')	CCGCGAUUCGACACCAUCCAUGA||||||
hsa-miR-490-5p (3' ... 5')	UGGGUGGACCUCUAGGUACC
hsa_circ_0063809 (5' ... 3')	AGCCACCAGGGCGGCGUGGGAGC||||||
hsa-miR-532-3p (3' ... 5')	ACGUUCGGAACCCACACCCUCC
hsa_circ_0063809 (5' ... 3')	AUCUUUGACAAGUUCAACUUUAC||||||
hsa-miR-561 (3' ... 5')	UGAAGUCCUAGAAUUUGAAAC
hsa_circ_0063809 (5' ... 3')	UCCGGCGCCUCGAGGGCUACUUC||||||

hsa-miR-562 (3' ... 5')	CGUUUACCAUGUCGAUGAAA
hsa_circ_0063809 (5' ... 3')	GAGACGCAGGUGGACGGCGCCAG|||||
hsa-miR-566 (3' ... 5')	CAACCCUAGUGUCCGCGGG
hsa_circ_0063809 (5' ... 3')	GCACGCUCUUUGGCAAUGACGUG|||||
hsa-miR-598 (3' ... 5')	ACUGCUACUGUUGCUACUGCAU
hsa_circ_0063809 (5' ... 3')	CAGGGCUUCGACCUGGCAGCCAC|||||
hsa-miR-604 (3' ... 5')	CAGGACUUAAGGCGUCGGA
hsa_circ_0063809 (5' ... 3')	GGGCACGCUCUUUGGCAAUGACG|||||
hsa-miR-616 (3' ... 5')	GACGAGUUUGGAGGUUACUGA
hsa_circ_0063809 (5' ... 3')	UGCACGCGCCUACCAGCUGCUG|||||

hsa-miR-646 (3' ... 5')	CGGAGUCUCCGUCGACGAA
hsa_circ_0063809 (5' ... 3')	AGGGCGGCACGGCACAGCUGCUC||||||
hsa-miR-646 (3' ... 5')	CGGAGUCUCCGUCGACGAA
hsa_circ_0063809 (5' ... 3')	CAGGGCUUCGACCUGGCAGCCAC||||||
hsa-miR-647 (3' ... 5')	CUUCCUUCACUCACGUCGGUG
hsa_circ_0063809 (5' ... 3')	CAGCCACCAGGGCGG---CGUGGGAG|||| |||||
hsa-miR-662 (3' ... 5')	GACGACCCGGUGUUGCACCCU
hsa_circ_0063809 (5' ... 3')	GGCCUACCAGCUGCUGGGCCACG||||||
hsa-miR-663b (3' ... 5')	GGAGUCCGUGCCGCCCGGUGG
hsa_circ_0063809 (5' ... 3')	CACUCGGGCAGCGCCUCCUGGC|||| |||||

hsa-miR-665 (3' ... 5')	UCCCCGGAGUCGGAGGACCA
hsa_circ_0063809 (5' ... 3')	AGAGUUCCCCAGGGAGCUGGAGU||||||
hsa-miR-766 (3' ... 5')	CGACUCCGACACCCCGACCUCA
hsa_circ_0063809 (5' ... 3')	ACCAGGGCGGCGUGGGAGCAGAU||||||
hsa-miR-767-3p (3' ... 5')	UCUUUGGUACCCCAUACUCGUCU
hsa_circ_0063809 (5' ... 3')	UCUUUGGCAAUGACGUGCGCACG||||||
hsa-miR-933 (3' ... 5')	CCCUCUCCAGAGGGACGCGUGU

miRNA predictions

Site Type	CircRN A Start	CircRN A End	3' pairing	local AU	position	TA	SPS	context + score
7mer-m8	303	309	-0.016	0.091	-0.029	-0.066	-0.101	-0.241
7mer-m8	136	142	0.003	0.074	-0.043	-0.057	-0.099	-0.242
7mer-m8	48	54	0.003	0.129	-0.055	0.028	-0.064	-0.079
7mer-m8	334	340	0.012	0.086	-0.034	0.001	-0.071	-0.126

7mer-1a	143	149	0.008	0.072	-0.034	0.026	-0.017	-0.019
7mer-m8	96	102	0.003	0.106	-0.048	0.012	0.018	-0.029
7mer-m8	271	277	0.012	0.133	-0.025	0	-0.038	-0.038
7mer-m8	119	125	0.021	0.076	-0.045	-0.06	-0.068	-0.196
7mer-m8	434	440	0.003	0.081	-0.048	0.016	-0.069	-0.137

7mer-m8	163	169	0.021	0.111	-0.039	0.02	-0.064	-0.071
8mer-1a	460	467	0.003	0.101	-0.096	-0.012	0.014	-0.237
7mer-m8	261	267	0.003	0.134	-0.025	0.023	-0.069	-0.054
7mer-1a	424	430	0.001	0.035	-0.038	0.031	0.082	0.037
7mer-m8	320	326	0.021	0.115	-0.032	-0.009	0.012	-0.013

7mer-1a	37	43	0.001	0.067	-0.046	-0.055	-0.127	-0.234
7mer-m8	107	113	0.012	0.085	-0.047	-0.089	0.014	-0.145
7mer-1a	181	187	0.001	0.059	-0.03	-0.002	-0.104	-0.15
7mer-m8	105	111	0.012	0.099	-0.047	-0.004	0.029	-0.031
7mer-m8	128	134	0.012	0.125	-0.044	0.011	-0.047	-0.063

7mer-m8	299	305	0.003	0.144	-0.029	0.011	-0.047	-0.038
7mer-m8	181	187	0.021	0.11	-0.036	0.01	-0.084	-0.099
7mer-1a	260	266	-0.009	0.085	-0.022	-0.05	-0.079	-0.149
7mer-m8	135	141	0.003	0.051	-0.043	0.004	-0.119	-0.224
7mer-m8	235	241	-0.016	0.161	-0.029	0.033	-0.066	-0.037

7mer-m8	483	489	0.012	0.048	-0.055	0.031	-0.069	-0.153
7mer-1a	265	271	0.001	0.073	-0.021	0.011	-0.052	-0.062
7mer-m8	113	119	0.003	0.107	-0.046	-0.087	-0.067	-0.21

**context
+ score
percent
ile**

75

78

71

78

76

81

46

83

80

64
97
68
83
70

82
68
73
74
58

48
62
63
89
63

88
65
73

Target gene	Representative transcript
POU2AF1	ENST00000393067.3
LPP	ENST00000312675.4
B4GALT4	ENST00000467604.1
CYP3A5	ENST00000339843.2
CSRNP3	ENST00000314499.7
C9orf152	ENST00000400613.4
LPAR6	ENST00000378434.4
SPTSSB	ENST00000359175.4
CAMK4	ENST00000282356.4
AMMECR1	ENST00000262844.5
SAMD12	ENST00000409003.4
XKR4	ENST00000327381.6
KCNJ6	ENST00000609713.1
PLEKHS1	ENST00000354462.3
ACKR2	ENST00000442925.1
PTPRT	ENST00000373187.1
RPL7A	ENST00000323345.6
GSTO1	ENST00000539281.1
CD209	ENST00000301357.8
EHD2	ENST00000263277.3
EIF4EBP2	ENST00000373218.4
ADIPOQ	ENST00000412955.2
GNB1	ENST00000378609.4
FTH1	ENST00000273550.7
EFCAB6	ENST00000356087.4
DAOA	ENST00000329625.5
PGRMC2	ENST00000296425.5
AAK1	ENST00000409085.4
GSG1L	ENST00000380898.2
MTMR1	ENST00000445323.2
CBL	ENST00000264033.4
ZNF544	ENST00000599227.1
FAM83F	ENST00000333407.6
C1orf143	ENST00000443836.1
PRR4	ENST00000228811.4
PARP11	ENST00000427057.2
SSR4	ENST00000370086.3
VPS13B	ENST00000395996.1
PLCXD3	ENST00000377801.3
PTER	ENST00000378000.1
DCP1B	ENST00000280665.6
SOX4	ENST00000244745.1
YWHAQ	ENST00000381844.4
TPM4	ENST00000300933.4
MPL	ENST00000372470.3
DDAH1	ENST00000535924.2
HEBP1	ENST00000014930.4
TMEM14E	ENST00000408960.3
RUSC1	ENST00000368352.5
RTKN2	ENST00000373789.3
PNMA2	ENST00000522362.2
PPP1R1A	ENST00000257905.8
GREB1L	ENST00000580732.2

SIX2	ENST00000303077.6
OPCML	ENST00000331898.7
SNX27	ENST00000368843.3
SLC39A9	ENST00000031146.4
C10orf40	ENST00000521074.1
AF165138.7	ENST00000400562.1
DKFZP779L1853	ENST00000595310.1
BSCCL2	ENST00000278893.7
PQLC3	ENST00000402361.1
SPRY3	ENST00000302805.2
SEC23A	ENST00000537403.1
CNGA3	ENST00000272602.2
GLRX	ENST00000379979.4
SELL	ENST00000236147.4
C11orf87	ENST00000327419.6
DLGAP5	ENST00000395425.2
CSTA	ENST00000264474.3
AK4	ENST00000545314.1
REL	ENST00000295025.8
TAT	ENST00000355962.4
KCNN3	ENST00000271915.4
UBQLN2	ENST00000338222.5
FGL2	ENST00000248598.5
SAMD13	ENST00000370667.3
DUSP10	ENST00000366899.3
CD4	ENST00000011653.4
PTP4A1	ENST00000370651.3
MRPS6	ENST00000399312.2
NSDHL	ENST00000370274.3
DCX	ENST00000356915.2
NBL1	ENST00000375136.3
HTR2C	ENST00000371950.3
ASAH2B	ENST00000374007.1
HSD3B1	ENST00000235547.6
MINOS1-NBL1	ENST00000602662.1
SYPL2	ENST00000369872.3
AKAP5	ENST00000394718.4
SPRR1A	ENST00000307122.2
RNF125	ENST00000217740.3
GPR111	ENST00000398742.2
IGFBP4	ENST00000269593.4
ONECUT2	ENST00000491143.2
HAND1	ENST00000231121.2
SUN1	ENST00000456758.2
KRTAP3-3	ENST00000391586.1
MAP3K9	ENST00000554752.2
ERP27	ENST00000266397.2
TMEM178B	ENST00000565468.1
FCAR	ENST00000355524.3
PRKAR2A	ENST00000265563.8
MS4A4A	ENST00000337908.4
GABRB2	ENST00000393959.1
HSD3B2	ENST00000543831.1
GRIN2B	ENST00000609686.1

PPP1R12B	ENST00000608999.1
UCP2	ENST00000536983.1
BTBD19	ENST00000453418.1
TRDMT1	ENST00000377799.3
TCHHL1	ENST00000368806.1
EIF4H	ENST00000265753.8
SULT1C4	ENST00000272452.2
BAALC	ENST00000438105.2
NRSN1	ENST00000378491.4
KIAA1737	ENST00000361786.2
OLAH	ENST00000378228.3
IL2RG	ENST00000374202.2
BATF3	ENST00000243440.1
TRIM58	ENST00000366481.3
GAPT	ENST00000396776.2
SMIM11	ENST00000399299.1
TPRX1	ENST00000322175.3
DGKH	ENST00000261491.5
NEUROD4	ENST00000242994.3
KSR2	ENST00000425217.1
RSP04	ENST00000217260.4
ZMAT1	ENST00000372782.3
HSPH1	ENST00000320027.5
TMUB2	ENST00000590235.1
CLTA	ENST00000433436.2
UBE2G2	ENST00000345496.2
WAC	ENST00000375664.4
CD1A	ENST00000289429.5
TFRC	ENST00000540528.1
CD3D	ENST00000300692.4
PHF6	ENST00000332070.3
ZNF391	ENST00000244576.4
BSG	ENST00000346916.4
AL031663.2	ENST00000595203.1
CDC16	ENST00000252458.6
TRAPPC3L	ENST00000356128.4
CTB-129P6.11	ENST00000591646.1
APOL6	ENST00000409652.4
C6orf164	ENST00000369570.4
NBPF8	ENST00000369190.5
PDK3	ENST00000441463.2
RNF150	ENST00000515673.2
NCBP2	ENST00000447325.1
SPRY1	ENST00000394339.2
ZNF25	ENST00000302609.7
BTG2	ENST00000290551.4
TKTL1	ENST00000369915.3
PXT1	ENST00000454782.2
ITGAV	ENST00000261023.3
C11orf82	ENST00000528759.1
FOXF1	ENST00000262426.4
RP11-67H2.1	ENST00000521500.2
ZBTB37	ENST00000367701.5
STARD4	ENST00000512160.1

MMS22L	ENST00000275053.4
GSX1	ENST00000302945.2
ESRRG	ENST00000361525.3
ZNF280D	ENST00000558320.1
SUGT1	ENST00000310528.8
TSPYL4	ENST00000420283.1
CORO2B	ENST00000261861.5
IL26	ENST00000229134.4
GCLM	ENST00000370238.3
ITGBL1	ENST00000545560.2
MEIG1	ENST00000407572.1
PPT1	ENST00000433473.3
SERPINB8	ENST00000397985.2
FAM195B	ENST00000576679.1
HS6ST3	ENST00000376705.2
AC132872.2	ENST00000598222.1
E2F7	ENST00000416496.2
PARP2	ENST00000527915.1
KRTAP9-6	ENST00000391355.1
ZNF33A	ENST00000469037.2
KBTBD4	ENST00000526005.1
PALM2	ENST00000448454.2
TMPRSS12	ENST00000551456.1
ARCN1	ENST00000359415.4
RNF181	ENST00000441634.1
KMO	ENST00000366559.4
UBN2	ENST00000473989.3
LPXN	ENST00000395074.2
ZFP3	ENST00000318833.3
FGD6	ENST00000343958.4
EBAG9	ENST00000337573.5
AMT	ENST00000458307.2
BFSP2	ENST00000302334.2
ITIH6	ENST00000218436.6
NFE2	ENST00000312156.4
VIL1	ENST00000248444.5
TAF6	ENST00000453269.2
BAG6	ENST00000375976.4
SLC22A15	ENST00000369503.4
BEST2	ENST00000553030.1
CA10	ENST00000570565.1
APOLD1	ENST00000356591.4
ARRDC4	ENST00000268042.6
SLC4A8	ENST00000453097.2
TMEM33	ENST00000504986.1
DSCR3	ENST00000309117.6
KDM5A	ENST00000399788.2
RSU1	ENST00000377921.3
C1QTNF7	ENST00000429690.1
ZBED3	ENST00000255198.2
AP000695.1	ENST00000595927.1
CCDC60	ENST00000327554.2
ELP4	ENST00000395934.2
SOX7	ENST00000554914.1

CDC42EP2	ENST00000279249.2
LAMTOR1	ENST00000538404.1
CYB5R4	ENST00000369681.5
OPA3	ENST00000263275.4
TMEM138	ENST00000278826.6
RTTN	ENST00000454359.1
AC006455.1	ENST00000456890.1
PRR15L	ENST00000300557.2
PPP1R8	ENST00000311772.5
APEX1	ENST00000557054.1
TTI2	ENST00000360742.5
TAL2	ENST00000334077.3
ARHGEF6	ENST00000370620.1
ZNF660	ENST00000322734.2
ITGAE	ENST00000263087.4
SCP2	ENST00000488965.1
INTU	ENST00000335251.6
LMBRD2	ENST00000296603.4
CEP250	ENST00000397527.1
SNX6	ENST00000396526.3
SMIM3	ENST00000526627.1
PEG10	ENST00000482108.1
ZNF236	ENST00000253159.8
MOG	ENST00000376902.3
PPP4C	ENST00000279387.7
CLIC6	ENST00000360731.3
SIAE	ENST00000263593.3
LCE1D	ENST00000326233.6
FGF12	ENST00000445105.2
VAMP2	ENST00000404970.3
LRRC16A	ENST00000329474.6
RRNAD1	ENST00000368218.4
SMIM19	ENST00000438528.3
BCAT1	ENST00000261192.7
GNG2	ENST00000556752.1
BCL11B	ENST00000357195.3
DOK6	ENST00000382713.5
PHLDA3	ENST00000367311.3
C8orf48	ENST00000297324.4
GSTM5	ENST00000369813.1
AC007040.11	ENST00000606025.1
TMC2	ENST00000358864.1
CD160	ENST00000369290.1
PTBP1	ENST00000350092.4
SLC10A7	ENST00000264986.3
ZIC4	ENST00000383075.3
OCSTAMP	ENST00000279028.2
KPNA4	ENST00000334256.4
KLHL17	ENST00000338591.3
C15orf41	ENST00000567389.1
RP11-542P2.1	ENST00000503109.2
SNTB2	ENST00000336278.4
SPG21	ENST00000204566.2
GCM1	ENST00000259803.7

GYPA	ENST00000360771.4
MIDN	ENST00000591446.2
PEX2	ENST00000357039.4
RGS20	ENST00000297313.3
TAP2	ENST00000374897.2
TTPAL	ENST00000372906.2
PIM1	ENST00000373509.5
CTF1	ENST00000279804.2
RAB27B	ENST00000262094.5
CLOCK	ENST00000309964.4
ZNF627	ENST00000588174.1
FAM3C	ENST00000359943.3
CDC14A	ENST00000370125.2
SELRC1	ENST00000371538.3
ZNF345	ENST00000589046.1
MOB3B	ENST00000262244.5
ZNF30	ENST00000601957.1
ZNF772	ENST00000425074.3
ARHGEF25	ENST00000333972.7
ARL8B	ENST00000419534.2
AKT3	ENST00000366539.1
CCNK	ENST00000389879.5
MDM4	ENST00000391947.2
ZNF440	ENST00000304060.5
ZNF154	ENST00000512439.2
TMC3	ENST00000558726.1
CDSN	ENST00000376288.2
TRIM67	ENST00000444294.3
AC008948.1	ENST00000597120.1
ASXL3	ENST00000269197.5
FGF16	ENST00000439435.1
PAK3	ENST00000372007.5
WNK3	ENST00000375169.3
ADA	ENST00000372874.4
DLG1	ENST00000346964.2
RDH11	ENST00000381346.4
DHX16	ENST00000376437.5
RP11-89K11.1	ENST00000558592.1
MYADM	ENST00000391770.4
RP6-24A23.6	ENST00000563887.1
CBLN3	ENST00000267406.6
RAB2B	ENST00000397762.1
FAM222B	ENST00000582266.1
B3GALT5	ENST00000380620.4
TAL1	ENST00000371884.2
OR52B2	ENST00000530810.1
FAM73B	ENST00000277475.5
CAMK1	ENST00000256460.3
EMILIN3	ENST00000332312.3
ZNF444	ENST00000592949.1
PHF2	ENST00000375376.4
CSTB	ENST00000291568.5
CXCL12	ENST00000343575.6
GHR	ENST00000230882.4

AL162407.1	ENST00000451472.1
ITGA2	ENST00000296585.5
ATP2B1	ENST00000261173.2
CRYBG3	ENST00000389622.2
ZKSCAN8	ENST00000330236.6
HMG20A	ENST00000336216.4
FSTL1	ENST00000295633.3
SSMEM1	ENST00000297819.3
OXGR1	ENST00000298440.1
CAND1	ENST00000545606.1
CSH2	ENST00000336844.5
KCTD7	ENST00000275532.3
MUC3A	ENST00000319509.7
HIST1H2BF	ENST00000359985.1
DCTN3	ENST00000447983.2
CARD16	ENST00000375704.3
C15orf26	ENST00000286732.4
TMED2	ENST00000262225.3
C5orf64	ENST00000505642.1
LCE1B	ENST00000360090.3
C2CD3	ENST00000334126.7
PI3	ENST00000243924.3
PFN2	ENST00000239940.7
NDUFA5	ENST00000471770.1
STK24	ENST00000397517.2
LY9	ENST00000368037.5
C20orf141	ENST00000380589.4
FHIT	ENST00000492590.1
ZCCHC17	ENST00000344147.5
TEKT1	ENST00000338694.2
ASAH2	ENST00000395526.4
HPGD	ENST00000296522.6
KIAA1549	ENST00000440172.1
SULT1B1	ENST00000310613.3
FN3KRP	ENST00000269373.6
RGS7	ENST00000348120.2
ABHD10	ENST00000494817.1
ANGPTL7	ENST00000376819.3
C20orf85	ENST00000371168.3
LYZL2	ENST00000375318.2
PGA4	ENST00000378149.3
BARD1	ENST00000260947.4
STMN4	ENST00000519614.1
IFIT2	ENST00000371826.3
SNTN	ENST00000343837.3
TMEM254	ENST00000372275.1
IRF2BP1	ENST00000302165.3
RINT1	ENST00000257700.2
PATE3	ENST00000445202.1
LYZL1	ENST00000375500.3
FAM13B	ENST0000033079.3
CWC27	ENST00000381070.3
SMO	ENST00000249373.3
TMEM155	ENST00000394396.1

PGA3	ENST00000325558.6
UPK2	ENST00000264031.2
DNAJC19	ENST00000486355.1
STAT1	ENST00000540176.1
OXLD1	ENST00000571503.1
TRIM22	ENST00000379965.3
TSSK6	ENST00000360913.3
SLC44A3	ENST00000271227.6
PJA2	ENST00000361189.2
EDEM1	ENST00000256497.4
TSPYL1	ENST00000368608.3
GPATCH2L	ENST00000553588.1
CCDC112	ENST00000379611.5
LIMS1	ENST00000393310.1
KRTAP9-7	ENST00000391354.1
C2orf76	ENST00000409466.2
ZNF704	ENST00000327835.3
RGS5	ENST00000313961.5
KRT37	ENST00000225550.3
SSU72	ENST00000291386.3
ACTR3B	ENST00000256001.8
ACSM1	ENST00000307493.4
SLC7A8	ENST00000469263.1
HIST2H2BE	ENST00000369155.2
VSIG1	ENST00000415430.3
ASAP3	ENST00000495646.1
KRT78	ENST00000359499.4
HCAR1	ENST00000432564.1
RYBP	ENST00000477973.2
MZT2B	ENST00000281871.6
MICALCL	ENST00000256186.2
PFDN4	ENST00000371419.2
SIRPG	ENST00000381580.1
CLDN9	ENST00000445369.2
TVP23A	ENST00000299866.8
ADI1	ENST00000327435.6
ARRB2	ENST00000575877.1
ALDH1A2	ENST00000249750.4
TRAM2	ENST00000182527.3
SPRYD4	ENST00000338146.5
IL17A	ENST00000340057.1
PDZRN4	ENST00000298919.7
PTAR1	ENST00000377200.5
IARS	ENST00000375629.3
RP11-57H12.6	ENST00000604534.1
S100A7A	ENST00000368729.4
NAF1	ENST00000274054.2
CLPX	ENST00000300107.3
LCE1E	ENST00000368770.3
LCORL	ENST00000326877.4
SLC39A11	ENST00000255559.3
KLHDC10	ENST00000335420.5
NTRK2	ENST00000395882.1
C3orf55	ENST00000468043.1

TEX30	ENST00000376027. 1
HMGXB4	ENST00000216106. 5
RBP5	ENST00000266560. 3
OR51E1	ENST00000396952. 5
FOXP1	ENST00000318789. 4
SLC16A5	ENST00000580123. 1
HIF3A	ENST00000377670. 4
FAAH2	ENST00000374900. 4
WDR26	ENST00000414423. 2
C9orf142	ENST00000371620. 3
RP11-758M4. 1	ENST00000523118. 1
LCE4A	ENST00000368777. 1
TMEM59L	ENST00000600490. 1
ZDHHC23	ENST00000330212. 3
CCKAR	ENST00000295589. 3
GALK2	ENST00000327171. 3
FAM71F1	ENST00000315184. 5
MPZL1	ENST00000474859. 1
RALGAPB	ENST00000397038. 1
PLVAP	ENST00000252590. 4
DEFB110	ENST00000371148. 2
CMC2	ENST00000570195. 1
RAPGEF1	ENST00000372189. 3
RCAN3	ENST00000374395. 4
ADAM32	ENST00000437682. 2
LY6D	ENST00000301263. 4
TMEM260	ENST00000261556. 6
WNT10B	ENST00000407467. 1
RBP3	ENST00000224600. 4
PDE3B	ENST00000282096. 4
RIMKLB	ENST00000357529. 3
CCDC66	ENST00000436465. 2
CXCL17	ENST00000601181. 1
SLC26A8	ENST00000490799. 1
IRF6	ENST00000367021. 3
AKIRIN1	ENST00000432648. 3
TNPO1	ENST00000337273. 5
PRRC2B	ENST00000372249. 1
MFAP3L	ENST00000393704. 3
CPN2	ENST00000323830. 3
REEP1	ENST00000165698. 5
ITPA	ENST00000380113. 3
TSLP	ENST00000379706. 4
SDK1	ENST00000404826. 2
TRIM4	ENST00000355947. 2
GLTP	ENST00000318348. 4
GSTM4	ENST00000369833. 1
CCNH	ENST00000508855. 1
CCDC149	ENST00000428116. 2
STK35	ENST00000381482. 3
SERPINB4	ENST00000341074. 5
SMPX	ENST00000379494. 3
MITF	ENST00000328528. 6
PTGES3L	ENST00000453594. 1

AQP2	ENST00000199280.3
AP3S1	ENST00000316788.7
VPS26A	ENST00000395098.1
TMEM194A	ENST00000379391.3
ICA1L	ENST00000392237.2
ZNF654	ENST00000309495.5
RPA3-AS1	ENST00000406829.1
MAN1A2	ENST00000356554.3
SKA2	ENST00000580541.1
ARG2	ENST00000261783.3
DYNLT3	ENST00000378581.3
SRPK1	ENST00000373825.2
ARFIP1	ENST00000451320.2
MZT2A	ENST00000309451.6
AP1S3	ENST00000396654.2
MANBAL	ENST00000397150.1
KCNQ3	ENST00000388996.4
AGO1	ENST00000373204.4
MLEC	ENST00000228506.3
ASAP1	ENST00000357668.1
OSBP	ENST00000263847.1
ADCK1	ENST00000238561.5
FOXL2	ENST00000330315.3
MAP3K7CL	ENST00000286791.5
PDCD1LG2	ENST00000397745.2
MTERFD2	ENST00000391980.2
SCAMP4	ENST00000316097.8
HOXA10	ENST00000283921.4
PHF21B	ENST00000403565.1
DNAJC4	ENST00000355040.4
SCGN	ENST00000334979.6
FGA	ENST00000403106.3
RMI2	ENST00000576027.1
UBXN10	ENST00000375099.3
AC010441.1	ENST00000600109.1
GABRA4	ENST00000264318.3
OR12D3	ENST00000396806.3
C5AR2	ENST00000595464.1
C12orf36	ENST00000318426.2
SMAD4	ENST00000398417.2
HSPB6	ENST00000587965.1
UNC5C	ENST00000453304.1
KRTAP2-1	ENST00000391419.3
PCDH9	ENST00000377861.3
STX16	ENST00000355957.5
COMMD9	ENST00000263401.5
C14orf1	ENST00000256319.6
P4HA2	ENST00000401867.1
XCR1	ENST00000309285.3
TRIM52	ENST00000327767.4
VPS52	ENST00000482399.1
ANXA13	ENST00000262219.6
FAM107A	ENST00000464064.1
AC007431.1	ENST00000299415.2

NUDT12	ENST00000230792.2
PTPRCAP	ENST00000326294.3
LEKR1	ENST00000491763.1
DENND1B	ENST00000235453.4
CPA4	ENST00000445470.2
FOXJ2	ENST00000162391.3
SEMA5A	ENST00000382496.5
EXO5	ENST00000296380.4
TRIM5	ENST00000396847.3
WFDC1	ENST00000219454.5
CDK17	ENST00000543119.2
AQP4	ENST00000383168.4
NOD2	ENST00000300589.2
HTR3E	ENST00000415389.2
DPT	ENST00000367817.3
SH3D19	ENST00000409598.4
PROSC	ENST00000328195.3
UGCG	ENST00000374279.3
PLEKHG7	ENST00000344636.3
ASB11	ENST00000537676.1
CLDN8	ENST00000399899.1
C6orf136	ENST00000376473.5
IKZF5	ENST00000368886.5
DIRAS2	ENST00000375765.3
PEX11B	ENST00000369306.3
PFKFB2	ENST00000367080.3
INIP	ENST00000374242.4
DISC1	ENST00000439617.2
GATA3	ENST00000379328.3
IGF2BP1	ENST00000290341.3
NCSTN	ENST00000294785.5
TAS2R5	ENST00000247883.4
RBBP8	ENST00000399722.2
ASPHD2	ENST00000215906.5
KCNE4	ENST00000281830.3
ABI1	ENST00000376170.4
ZDHHC15	ENST00000373367.3
CCDC115	ENST00000437688.2
E2F3	ENST00000346618.3
PDE4B	ENST00000371045.5
ACRV1	ENST00000533904.1
ARNTL2	ENST00000546179.1
FAM71E1	ENST00000600100.1
PCP4L1	ENST00000504449.1
RBM14-RBM4	ENST00000412278.2
STPG1	ENST00000374409.1
KRT31	ENST00000251645.2
PGK2	ENST00000304801.3
NFIB	ENST00000397575.3
PCMTD2	ENST00000308824.6
IGDCC4	ENST00000352385.2
SMIM9	ENST00000369529.1
PLP1	ENST00000303958.2
HGFAC	ENST00000382774.3

RBM4	ENST00000310092.7
NOVA2	ENST00000263257.5
UQCC1	ENST00000349714.5
RAB30	ENST00000533486.1
PAQR9	ENST00000340634.3
TNFSF9	ENST00000245817.3
FAM60A	ENST00000539409.1
SPRR4	ENST00000328051.2
S100A11	ENST00000271638.2
GCFC2	ENST00000541687.1
SLC25A30	ENST00000539591.1
SPATA3	ENST00000452881.1
ADH1A	ENST00000209668.2
TMED4	ENST00000457408.2
CDK3	ENST00000425876.2
C20orf26	ENST00000377309.2
RIC3	ENST00000396677.2
TM4SF4	ENST00000305354.4
ITPRIPL2	ENST00000381440.3
CT62	ENST00000566432.1
MID2	ENST00000262843.6
ATXN7L1	ENST00000419735.3
COMMD2	ENST00000473414.1
MCCC2	ENST00000340941.6
KIR2DL1	ENST00000336077.6
UBE2G1	ENST00000396981.2
ZNF552	ENST00000391701.1
KIR2DL3	ENST00000434419.2
KIAA1671	ENST00000401395.1
KRTAP5-2	ENST00000412090.1
HHLA3	ENST00000361764.4
FAM13C	ENST00000373867.3
SERPINI2	ENST00000476257.1
CSN3	ENST00000304954.3
SYN3	ENST00000358763.2
DNAJC27	ENST00000264711.2
CLIP4	ENST00000320081.5
KIF2A	ENST00000381103.2
CHCHD4	ENST00000295767.5
OLIG2	ENST00000382357.3
TMPRSS11BNL	ENST00000432593.3
SLC22A16	ENST00000439654.1
KRTAP9-9	ENST00000394008.1
TMX2	ENST00000378312.4
POLR3H	ENST00000396504.2
PPP1R3C	ENST00000238994.5
RNF165	ENST00000269439.7
IFT46	ENST00000530872.1
HOXA1	ENST00000355633.5
NQO1	ENST00000379047.3
DSEL	ENST00000310045.7
H2BFM	ENST00000355016.3
EAPP	ENST00000250454.3
ENAM	ENST00000396073.3

DLX6	ENST00000518156.2
ATOX1	ENST00000521264.1
CYB561D1	ENST00000496961.1
SRP54	ENST00000556994.1
INSM2	ENST00000307169.3
GPR39	ENST00000329321.3
SPR	ENST00000234454.5
DMBX1	ENST00000360032.3
NUDCD2	ENST00000302764.4
HERC6	ENST00000264346.7
VGLL3	ENST00000398399.2
PKNOX2	ENST00000298282.9
FCRL1	ENST00000368176.3
SULT1C2	ENST00000251481.6
TRIQQ	ENST00000521988.1
FBXO3	ENST00000526785.1
PNP	ENST00000361505.5
ARGLU1	ENST00000400198.3
KIAA1147	ENST00000536163.1
BLACE	ENST00000378120.5
MYC	ENST00000377970.2
CCDC39	ENST00000273654.4
NADK	ENST00000341426.5
CYP4F3	ENST00000221307.8
ABCB11	ENST00000263817.6
MCEE	ENST00000244217.5
HIST1H2BK	ENST00000396891.4
MIP	ENST00000257979.4
ADPRH	ENST00000478399.1
IP6K3	ENST00000451316.1
ARFGAP3	ENST00000263245.5
SLC02B1	ENST00000289575.5
SPRTN	ENST00000391858.4
FKBP8	ENST00000597960.3
EXTL2	ENST00000370113.3
SLC25A46	ENST00000355943.3
SPRYD3	ENST00000301463.4
C14orf2	ENST00000553430.1
SYT15	ENST00000374323.4
EML4	ENST00000318522.5
AL020996.1	ENST00000536896.1
RBM22	ENST00000199814.4
NUGGC	ENST00000413272.2
CYP2B6	ENST00000324071.4
RORA	ENST00000335670.6
TM2D2	ENST00000456845.2
LIN7C	ENST00000278193.2
VDAC1	ENST00000395044.3
RNF121	ENST00000393713.3
TIRAP	ENST00000392679.1
GPR27	ENST00000304411.2
PLAC9	ENST00000372263.3
LOR	ENST00000368742.3
ITPKB	ENST00000272117.3

PTPRH	ENST00000376350.3
ANKRD65	ENST00000520296.1
AADAC	ENST00000232892.7
RBMXL2	ENST00000306904.5
SH2B3	ENST00000341259.2
FAM76A	ENST00000373954.6
FAM89A	ENST00000366654.4
ABCD3	ENST00000394233.2
RCHY1	ENST00000451788.1
IL2RA	ENST00000379959.3
PAR6B	ENST00000371610.2
GPRIN3	ENST00000609438.1
RSF1	ENST00000308488.6
MME	ENST00000460393.1
RABGAP1L	ENST00000489615.1
HOXB5	ENST00000239151.5
FAM187A	ENST00000412523.2
MBNL1	ENST00000357472.3
GABRG1	ENST00000295452.4
GJB1	ENST00000374022.3
HSPBP1	ENST00000255631.5
ERLIN1	ENST00000421367.2
SLC39A14	ENST00000381237.1
SORCS1	ENST00000369698.1
PLXNA2	ENST00000367033.3
PAX7	ENST00000420770.2
OTUD6A	ENST00000338352.2
CLEC6A	ENST00000382073.3
RBBP4	ENST00000373493.5
ZNF561	ENST00000326044.5
VHL	ENST00000256474.2
SEC22A	ENST00000481965.2
TCL1B	ENST00000340722.7
AQP8	ENST00000219660.5
ELAVL4	ENST00000371824.1
PPIAL4C	ENST00000369222.3
MRPL13	ENST00000306185.3
COX10	ENST00000261643.3
PPIAL4G	ENST00000419275.1
OR52L1	ENST00000332249.4
PRKDC	ENST00000314191.2
CCL22	ENST00000219235.4
EEF2K	ENST00000263026.5
TMEM218	ENST00000532156.1
PPIAL4D	ENST00000544708.1
PPIAL4A	ENST00000539781.1
PPIAL4B	ENST00000540273.1
CACNG3	ENST0000005284.3
LINC00923	ENST00000503874.3
SPAG6	ENST00000313311.6
HIATL2	ENST00000602917.1
PRPS1	ENST00000372435.4
TBC1D5	ENST00000253692.7
HOPX	ENST00000420433.1

UBE2B	ENST00000265339.2
ACAA2	ENST00000285093.10
SLITRK5	ENST00000325089.6
MSANTD4	ENST00000301919.4
CAPN9	ENST00000354537.1
IL6	ENST00000404625.1
IRAK3	ENST00000261233.4
YWHAH	ENST00000397492.1
ERH	ENST00000557016.1
ADH6	ENST00000394897.1
TMEM154	ENST00000304385.3
DRD4	ENST00000176183.5
PAN2	ENST00000425394.2
OR10AD1	ENST00000310248.2
C9	ENST00000263408.4
SCAMP5	ENST00000425597.3
THOC3	ENST00000265097.4
EWSR1	ENST00000397938.2
ZNF259	ENST00000227322.3
AL117190.3	ENST00000599197.1
RP11-429E11.3	ENST00000317652.1
TFAP2C	ENST00000201031.2
TRAF3	ENST00000560371.1
SLC6A11	ENST00000254488.2
CHST9	ENST00000580774.1
WFDC9	ENST00000326000.1
HIRIP3	ENST00000564026.1
CD68	ENST00000250092.6
TMEM167B	ENST00000338272.8
DUSP9	ENST00000370167.4
SPARC	ENST00000231061.4
ZNF460	ENST00000360338.3
RNF139	ENST00000303545.3
BMP8B	ENST00000372827.3
ZCCHC8	ENST00000536306.1
PRDM7	ENST00000325921.6
MLF2	ENST00000435120.1
RMDN2	ENST00000406384.1
CXCL9	ENST00000264888.5
BHLHE40	ENST00000256495.3
C9orf85	ENST00000486911.2
CECR6	ENST00000399875.1
SAPCD1	ENST00000415669.2
FCGR3A	ENST00000367969.3
CLIC4	ENST00000374379.4
PRKAR1A	ENST00000589228.1
PRDM1	ENST00000369089.3
C2orf49	ENST00000258457.2
TRPC4AP	ENST00000451813.2
GNLY	ENST00000263863.4
THAP2	ENST00000308086.2
CD101	ENST00000256652.4
NDRG3	ENST00000373803.2
CLVS2	ENST00000275162.5

LYPD6	ENST00000334166.4
CDC42SE2	ENST00000505065.1
CST4	ENST00000217423.3
MBTD1	ENST00000586178.1
C10orf82	ENST00000369210.3
C12orf68	ENST00000316554.3
ERBB4	ENST00000342788.4
DCAF8	ENST00000556710.1
GABARAP	ENST00000302386.5
CDA	ENST00000375071.3
ZNF423	ENST00000561648.1
CDK15	ENST00000450471.2
PPP1R2	ENST00000328432.3
NME1-NME2	ENST00000512737.1
TBX3	ENST00000349155.2
CCNT2	ENST00000295238.6
FBX047	ENST00000378079.2
C11orf72	ENST00000333139.3
MLC1	ENST00000395876.2
ST8SIA1	ENST00000396037.4
APLF	ENST00000303795.4
RAD51	ENST00000423169.2
ZNF770	ENST00000356321.4
PTGES	ENST00000340607.4
MDM1	ENST00000540418.1
UGT3A2	ENST00000282507.3
FASTK	ENST00000540185.1
GINS1	ENST00000429262.2
ANXA5	ENST00000296511.5
RNF144A	ENST00000320892.6
CLGN	ENST00000325617.5
CASP14	ENST00000427043.3
ZNF676	ENST00000397121.2
SELM	ENST00000402395.1
NR4A3	ENST00000330847.1
PATE1	ENST00000305738.5
KBTBD7	ENST00000379483.3
FIS1	ENST00000474120.1
DNP1	ENST00000393987.2
DAAM1	ENST00000395125.1
KRTAP8-1	ENST00000329621.4
CST5	ENST00000304710.4
NEUROG2	ENST00000313341.3
NKAP	ENST00000371410.3
PRPS2	ENST00000380668.5
LSM1	ENST00000520755.1
TPM1	ENST00000267996.7
WASF2	ENST00000536657.1
HOXD3	ENST00000249440.3
MAGEE2	ENST00000373359.2
MTCP1	ENST00000369476.3
SLC28A3	ENST00000376238.4
FBX028	ENST00000424254.2
PWWP2A	ENST00000456329.3

KTN1	ENST00000416613.1
LY6G6C	ENST00000495859.1
ZFP69B	ENST00000484445.1
PLEKHB1	ENST00000354190.5
TMEM200B	ENST00000521452.1
VWA9	ENST00000313182.2
ZNF436	ENST00000314011.4
PGM2L1	ENST00000298198.4
RP11-322L20.1	ENST00000557527.1
ST8SIA2	ENST00000268164.3
PARVA	ENST00000334956.8
C7orf41	ENST00000324453.8
ALOX15	ENST00000570836.1
CPEB3	ENST00000412050.4
AL441883.1	ENST00000600057.1
NICN1	ENST00000273598.3
ITM2C	ENST00000326407.6
MEF2BNB-MEF2B	ENST00000444486.3
CST1	ENST00000304749.2
SMAD1	ENST00000302085.4
ERMP1	ENST00000381506.3
SP8	ENST00000418710.2
PLSCR2	ENST00000336685.2
C10orf71	ENST00000323868.4
CASP1	ENST00000533400.1
USF1	ENST00000368020.1
RBBP9	ENST00000337227.4
MFSD1	ENST00000415822.2
STARD7	ENST00000337288.5
ZNF264	ENST00000263095.6
LIMD2	ENST00000259006.3
STK32A	ENST00000397936.3
C14orf39	ENST00000321731.3
CDKAL1	ENST00000274695.4
SEPT6	ENST00000394610.1
NUSAP1	ENST00000260359.6
MIPOL1	ENST00000327441.7
OR9Q1	ENST00000335397.3
RNF187	ENST00000305943.7
KIAA0040	ENST00000423313.1
BTLA	ENST00000334529.5
PPIA	ENST00000468812.1
METTL15	ENST00000342303.5
CPOX	ENST00000264193.2
PRPF6	ENST00000535781.1
PPTC7	ENST00000354300.3
NOTCH3	ENST00000263388.2
MAEA	ENST00000303400.4
PHF14	ENST00000403050.3
UGP2	ENST00000394417.2
PRLR	ENST00000342362.5
KATNBL1	ENST00000256544.3
XPNPEP1	ENST00000369683.1
FAM92B	ENST00000539556.1

MAN2A1	ENST00000261483.4
POU2F1	ENST00000367866.2
ZC3HAV1L	ENST00000275766.1
CYP2J2	ENST00000371204.3
RP11-295D22.1	ENST00000565320.1
GLOD5	ENST00000303227.6
ADCY1	ENST00000432715.1
ARL11	ENST00000282026.1
CHIC1	ENST00000373504.6
RP11-89N17.1	ENST00000311067.3
SCD	ENST00000370355.2
LINC00346	ENST00000538077.1
ABHD2	ENST00000352732.5
ISY1-RAB43	ENST00000418265.1
GNGT1	ENST00000455502.1
GLRB	ENST00000541722.1
ACSL6	ENST00000379264.2
CLLU1	ENST00000378485.1
CSNK1E	ENST00000405675.3
SLC2A3	ENST00000075120.7
SALL3	ENST00000575389.2
MOSPD2	ENST00000380492.3
RLN1	ENST00000223858.4
ZNF641	ENST00000301042.3
WNT8B	ENST00000343737.5
SLC2A13	ENST00000280871.4
BTN3A2	ENST00000396948.1
NGRN	ENST00000379095.3
NIPAL4	ENST00000311946.7
NKX3-1	ENST00000380871.4
ZNF235	ENST00000291182.4
CCDC126	ENST00000307471.3
NRGN	ENST00000412681.2
CCDC121	ENST00000324364.3
SWT1	ENST00000367500.4
LRIT3	ENST00000594814.1
RP11-366L20.2	ENST00000356215.2
CHGA	ENST00000216492.5
MAF	ENST00000393350.1
ACO1	ENST00000309951.6
IGF1	ENST00000337514.6
RPL32	ENST00000429711.2
PDE6A	ENST00000255266.5
ANXA7	ENST00000372921.5
TFCP2	ENST00000257915.5
MAGEA8	ENST00000535454.1
MTMR11	ENST00000406732.3
SCFD1	ENST00000458591.2
VSIG10	ENST00000359236.5
CCSAP	ENST00000366687.1
IFI6	ENST00000361157.6
SLC3A2	ENST00000377892.1
N4BP2L1	ENST00000380139.4
IPCEF1	ENST00000265198.4

GLYATL2	ENST00000287275.1
MEAF6	ENST00000373075.2
ENOX2	ENST00000370935.1
USP7	ENST00000344836.4
ANKRD44	ENST00000282272.8
MAEL	ENST00000367872.4
DPCR1	ENST00000462446.1
TNIP1	ENST00000520931.1
CCL1	ENST00000225842.3
APTX	ENST00000436040.2
REPIN1	ENST00000479668.1
CSRNP2	ENST00000228515.1
FAM217B	ENST00000358293.3
ANKRD45	ENST00000333279.2
SNX13	ENST00000409389.1
LPCAT1	ENST00000283415.3
FAR1	ENST00000354817.3
PP13004	ENST00000381493.2
SPCS2	ENST00000263672.6
TMX4	ENST00000246024.2
DKK2	ENST00000285311.3
C4orf26	ENST00000311623.4
ZDHHC22	ENST00000319374.4
LIN28B	ENST00000345080.4
VMP1	ENST00000262291.4
CCR3	ENST00000545097.1
HMGA1	ENST00000347617.6
RERGL	ENST00000229002.2
EDEM3	ENST00000318130.8
KRTAP5-7	ENST00000398536.4
OAT	ENST00000539214.1
PLEKHA2	ENST00000420274.1
FAXC	ENST00000389677.5
ZRANB1	ENST00000359653.4
SOSTDC1	ENST00000307068.4
UBE2N	ENST00000550657.1
GPX6	ENST00000361902.1
BPGM	ENST00000344924.3
CXorf48	ENST00000344129.2
DAO	ENST00000228476.3
PPM1N	ENST00000324688.4
CLSTN2	ENST00000458420.3
TRIM66	ENST00000299550.6
COL15A1	ENST00000375001.3
CNNM3	ENST00000377060.3
CD84	ENST00000534968.1
MAP3K13	ENST00000448876.1
SLC6A13	ENST00000445055.2
TRAPPC4	ENST00000533632.1
CLEC1B	ENST00000428126.2
MED17	ENST00000251871.3
MYCBP	ENST00000397572.2
ELK4	ENST00000357992.4
TIA1	ENST00000433529.2

UBE2R2	ENST00000263228.3
CDH7	ENST00000397968.2
ARHGAP11A	ENST00000361627.3
TSR2	ENST00000375151.4
SHISA6	ENST00000441885.3
PRR23A	ENST00000383163.2
EIF4EBP1	ENST00000338825.4
C2orf42	ENST00000264434.2
CA13	ENST00000321764.3
SLC9A3R1	ENST00000262613.5
PCNXL4	ENST00000535349.1
MYB	ENST00000367814.4
CXorf24	ENST00000357412.1
TMEM38A	ENST00000187762.2
PDE4C	ENST00000355502.3
SLC1A4	ENST00000234256.3
STRN	ENST00000263918.4
LRRC41	ENST00000343304.6
RORC	ENST00000356728.6
TMEM215	ENST00000342743.5
EXOC6B	ENST00000272427.6
ANXA8	ENST00000357718.4
ANXA8L2	ENST00000340243.6
R3HDML	ENST00000217043.2
ANXA8L1	ENST00000358140.4
METTL21B	ENST00000333012.5
ATRNL1	ENST00000262919.5
POM121C	ENST00000257665.5
NPHP3	ENST00000326682.8
REEP4	ENST00000334530.5
NUDT3	ENST00000607016.1
UCMA	ENST00000378681.3
HLA-A	ENST00000396634.1
WBP1L	ENST00000369889.4
LINC00908	ENST00000578613.1
FOXR2	ENST00000339140.3
DHX58	ENST00000251642.3
HNRNPA2B1	ENST00000354667.4
RBBP7	ENST00000380087.2
SPRY4	ENST00000344120.4
KIAA2018	ENST00000316407.4
RNPC3	ENST00000533099.1
RLN2	ENST00000308420.3
ASPA	ENST00000263080.2
GPR12	ENST00000405846.3
FEN1	ENST00000305885.2
ZC4H2	ENST00000545618.1
C12orf77	ENST00000549828.1
MATN2	ENST00000254898.5
B3GNT7	ENST00000287590.5
HEPH	ENST00000519389.1
FRMD6	ENST00000395718.2
IL12RB2	ENST00000262345.1
HNRNPA1	ENST00000546500.1

RAB3D	ENST00000222120.3
SFMBT1	ENST00000394752.3
CCNF	ENST00000397066.4
EGLN3	ENST00000250457.3
VRK2	ENST00000412104.2
MT-ND5	ENST00000361567.2
NHLH1	ENST00000302101.5
NUCKS1	ENST00000367142.4
GFPT1	ENST00000357308.4
SGK1	ENST00000367858.5
IFI44L	ENST00000370751.5
AC004899.1	ENST00000596947.1
BCL7A	ENST00000538010.1
MAPK1	ENST00000215832.6
CYP7B1	ENST00000310193.3
PPM1E	ENST00000308249.2
LTK	ENST00000355166.5
UBQLN4	ENST00000368309.3
MKX	ENST00000375790.5
MAGED1	ENST00000326587.7
FAM155A	ENST00000375915.2
MYCN	ENST00000281043.3
RP4-758J18.2	ENST00000444362.1
RGST1	ENST00000417209.2
METTL6	ENST00000443029.1
SYT11	ENST00000368324.4
IKZF4	ENST00000262032.5
CRYZL1	ENST00000381540.3
PDGFB	ENST00000331163.6
IL6ST	ENST00000381287.4
IRF2	ENST00000393593.3
FAM65B	ENST00000259698.4
C5orf51	ENST00000381647.2
PHF1	ENST00000374512.3
ALK	ENST00000389048.3
SLC15A3	ENST00000227880.3
ATF7IP	ENST00000261168.4
XPR1	ENST00000367590.4
MYH10	ENST00000360416.3
ITCH	ENST00000374864.4
POPDC2	ENST00000264231.3
ARMC8	ENST00000469044.1
TNF	ENST00000449264.2
OSBPL11	ENST00000296220.5
PRKCB	ENST00000303531.7
GOSR2	ENST00000576910.2
CDCP1	ENST00000296129.1
HHIP	ENST00000296575.3
KDSR	ENST00000406396.3
LILRA2	ENST00000251377.3
TBPL1	ENST00000237264.4
LANCL1	ENST00000443314.1
MROH2A	ENST00000389758.3
ZNF608	ENST00000504926.1

CLDN4	ENST00000435050.1
KLK5	ENST00000391809.2
AC068987.1	ENST00000599343.1
STAT2	ENST00000314128.4
RP11-1102P16.1	ENST00000523987.1
PCID2	ENST00000337344.4
C7orf72	ENST00000297001.6
SLC32A1	ENST00000217420.1
KRT4	ENST00000551956.1
ANKRD17	ENST00000358602.4
TATDN2	ENST00000448281.2
ARL15	ENST00000502271.1
HECTD2	ENST00000371667.1
AL626787.1	ENST00000595430.1
S100A4	ENST00000368715.1
SF1	ENST00000377390.3
TBC1D28	ENST00000345096.4
ABCB5	ENST00000404938.2
LENEP	ENST00000392487.1
PLD1	ENST00000342215.6
ZBTB80S	ENST00000373501.2
ASH2L	ENST00000343823.6
HIGD1A	ENST00000321331.7
RNF169	ENST00000299563.4
TRAPPC6B	ENST00000330149.5
NAAA	ENST00000507187.2
CALN1	ENST00000329008.5
CTTNBP2	ENST00000160373.3
MSL2	ENST00000309993.2
PATZ1	ENST00000405309.3
CX3CR1	ENST00000399220.2
RNASE13	ENST00000382951.3
NEBL	ENST00000377122.4
ANKRD13A	ENST00000261739.4
IQCJ	ENST00000482126.1
FGF13	ENST00000315930.6
PNOC	ENST00000301908.3
HCFC1R1	ENST00000248089.3
PROX1	ENST00000366958.4
C10orf25	ENST00000298298.1
EIF1	ENST00000469257.1
ALX4	ENST00000329255.3
ETV3	ENST00000368192.4
B3GNT5	ENST00000326505.3
CCDC176	ENST00000394009.3
FAM227B	ENST00000558594.1
MYOZ3	ENST00000297130.4
ERCC3	ENST00000285398.2
KRTAP5-4	ENST00000399682.1
ZBTB16	ENST00000335953.4
NT5DC3	ENST00000392876.3
RNASE1	ENST00000397967.4
POLR3F	ENST00000377603.4
CNRIP1	ENST00000409862.1

NINJ2	ENST00000305108.4
AL450307.1	ENST00000341866.3
BCL2L2	ENST00000250405.5
MPZL3	ENST00000278949.4
WNT5A	ENST00000474267.1
RASSF4	ENST00000374417.2
AP3M1	ENST00000355264.4
PDCD5	ENST00000419343.3
TNFAIP8L2	ENST00000368910.3
LIMA1	ENST00000552491.1
DSTN	ENST00000246069.7
B4GALT7	ENST0000029410.5
NRXN2	ENST00000301894.2
SLC2A14	ENST00000340749.5
CFL1	ENST00000525451.2
ACOT4	ENST00000326303.4
C16orf47	ENST00000358463.2
YPEL5	ENST00000379520.3
ADC	ENST00000373443.3
BNIP1	ENST00000368931.3
WHSC1L1	ENST00000317025.8
DCAF12L2	ENST00000538699.1
TMEM165	ENST00000381334.5
POGLUT1	ENST00000295588.4
CTRC	ENST00000375943.2
FAM118B	ENST00000533050.1
ESCO1	ENST00000269214.5
BTN3A1	ENST00000425234.2
TPO	ENST00000329066.4
RAB7A	ENST00000265062.3
OLFML2B	ENST00000294794.3
DEGS2	ENST00000305631.5
GFI1	ENST00000370332.1
TTC26	ENST00000430935.1
VAPB	ENST00000395802.3
NR1I3	ENST00000508387.1
CD302	ENST00000259053.4
VGLL2	ENST00000352536.3
NHEJ1	ENST00000356853.5
MKLN1	ENST00000352689.6
ARHGEF12	ENST00000397843.2
SEPSECS	ENST00000302922.3
DPPA4	ENST00000335658.6
RMI1	ENST00000325875.3
ARHGAP19	ENST00000358531.4
PPM1L	ENST00000498165.1
DYNAP	ENST00000321600.1
ECM1	ENST00000369047.4
MIEF1	ENST00000325301.2
MCTP2	ENST00000357742.4
FAM126B	ENST00000418596.3
EDNRA	ENST00000339690.5
CSRP2BP	ENST00000435364.3
MSL1	ENST00000398532.4

CCDC155	ENST00000447857.3
B3GNT3	ENST00000318683.6
COL22A1	ENST00000303045.6
FAM46B	ENST00000289166.5
HCCS	ENST00000321143.4
FRK	ENST00000606080.1
C17orf51	ENST00000391411.5
KCNH5	ENST00000322893.7
PTDSS1	ENST00000517309.1
DIO1	ENST00000322679.6
NRSN2	ENST00000382291.3
ANKRD13C	ENST00000370944.4
LIN54	ENST00000395282.2
SPOCK1	ENST00000394945.1
TIMM10B	ENST00000254616.6
TM9SF2	ENST00000376387.4
VSTM2A	ENST00000407838.3
GPR151	ENST00000311104.2
C9orf170	ENST00000375941.2
OR2H1	ENST00000377136.1
SLC2A2	ENST00000314251.3
RDH12	ENST00000551171.1
MANF	ENST00000528157.1
MAP3K2	ENST00000409947.1
METTL7B	ENST00000394252.3
NALCN	ENST00000251127.6
SDHAF2	ENST00000543265.1
VPRBP	ENST00000335891.5
TCTN3	ENST00000371217.5
CCDC141	ENST00000420890.2
CCDC94	ENST00000262962.7
SOX9	ENST00000245479.2
LRP2BP	ENST00000362004.3
LRIG1	ENST00000273261.3
CA12	ENST00000178638.3
MXD4	ENST00000337190.2
CD207	ENST00000410009.3
NBPF6	ENST00000294652.8
RSPO3	ENST00000356698.4
ANKDD1B	ENST00000601380.2
GPR61	ENST00000527748.1
ASB6	ENST00000277459.4
UTS2B	ENST00000340524.5
SEC62	ENST00000337002.4
TTC30B	ENST00000408939.3
UBFD1	ENST00000395878.3
DEXI	ENST00000331808.4
ENTPD7	ENST00000370489.4
CARD8	ENST00000520753.1
ANP32B	ENST00000339399.4
TRIM14	ENST00000341469.2
RAD21	ENST00000297338.2
LENG8	ENST00000326764.5
GABPA	ENST00000354828.3

DRD2	ENST00000355319.2
NPY2R	ENST00000506608.1
DNM3	ENST00000367731.1
MAGED4	ENST00000375626.3
B3GALT2	ENST00000367434.4
SDCBP	ENST00000260130.4
CYP2A13	ENST00000330436.3
CSNK2A1	ENST00000349736.5
MAGED4B	ENST00000360134.6
SPATA19	ENST00000299140.3
SEMA6A	ENST00000343348.6
DHDDS	ENST00000360009.2
ZNF384	ENST00000319770.3
LUZP2	ENST00000533227.1
FADD	ENST00000301838.4
KCND3	ENST00000369697.1
SERINC3	ENST00000342374.4
C5orf24	ENST00000394976.3
SLC16A14	ENST00000295190.4
DNAJA3	ENST00000262375.6
PIK3R6	ENST00000311434.9
KRTAP5-11	ENST00000398530.1
USP28	ENST00000003302.4
CYB561D2	ENST00000425346.1
TMEM253	ENST00000418511.2
MAB21L2	ENST00000317605.4
SMS	ENST00000404933.2
SRD5A1	ENST00000274192.5
CD47	ENST00000361309.5
TNFRSF11A	ENST00000586569.1
SLC13A5	ENST00000433363.2
ZNF805	ENST00000535550.1
C1orf61	ENST00000368243.1
BTN1A1	ENST00000244513.6
LAX1	ENST00000442561.2
ZEB1	ENST00000361642.5
ARFIP2	ENST00000254584.2
C9orf91	ENST00000374049.4
NDEL1	ENST00000402554.3
PTPLB	ENST00000383657.5
RAP2B	ENST00000323534.2
SCIN	ENST00000297029.5
SEC14L1	ENST00000413679.2
NME2	ENST00000376392.6
DYNLRB1	ENST00000357156.2
QKI	ENST00000392127.2
PLEKHB2	ENST00000438882.2
DAZAP2	ENST00000412716.3
CAMKK2	ENST00000538733.1
BCL2L1	ENST00000393256.3
FNBP1L	ENST00000370253.2
GAD2	ENST00000376261.3
RDX	ENST00000343115.4
ZNF8	ENST00000608843.1

SIX3	ENST00000260653.3
FLVCR2	ENST00000238667.4
DMRT3	ENST00000190165.2
TMPPE	ENST00000416695.2
NPTX1	ENST00000306773.4
CD109	ENST00000437994.2
HAND2	ENST00000359562.4
TMEM200A	ENST00000296978.3
C18orf21	ENST00000592875.1
HOXC10	ENST00000303460.4
UNC5D	ENST00000287272.2
SLC31A1	ENST00000374212.4
FZD3	ENST00000240093.3
EZR	ENST00000337147.7
BTBD9	ENST00000314100.6
STT3B	ENST00000295770.2
TTLL7	ENST00000260505.8
RAB33B	ENST00000305626.5
NCALD	ENST00000395923.1
C21orf49	ENST00000382375.4
CTAGE1	ENST00000391403.2
KRTAP4-12	ENST00000394014.1
C12orf40	ENST00000324616.5
GALM	ENST00000272252.5
RP11-10A14.4	ENST00000518496.1
EPB41L2	ENST00000531410.1
TMEM106B	ENST00000396667.3
MCU	ENST00000373053.3
NFAT5	ENST00000354436.2
RFX3	ENST00000382004.3
SHISA9	ENST00000558583.1
ASPG	ENST00000551177.1
SLC17A6	ENST00000263160.3
DAW1	ENST00000373666.2
SPRED2	ENST00000356388.4
CELF2	ENST00000379261.4
SNX18	ENST00000343017.6
SOAT2	ENST00000301466.3
NCAPH	ENST00000240423.4
SCAMP2	ENST00000268099.9
GPC2	ENST00000292377.2
PSENN	ENST00000591949.1
ZNF41	ENST00000313116.7
RAB31	ENST00000578921.1
GOLGA1	ENST00000373555.4
HIST1H2BD	ENST00000289316.2
CASP2	ENST00000310447.5
HDGFRP3	ENST00000299633.4
ELOVL7	ENST00000508821.1
PCMTD1	ENST00000360540.5
SLAMF6	ENST00000368059.3
GNAZ	ENST00000248996.4
FAM83A	ENST00000518448.1
THEMIS2	ENST00000373925.1

FBXW11	ENST00000296933.6
HLA-G	ENST00000376828.2
GJB6	ENST00000241124.6
LRRK2	ENST00000298910.7
ACAD8	ENST00000281182.4
HRASLS5	ENST00000539221.1
SIT1	ENST00000259608.3
LAMP3	ENST00000265598.3
ATP9A	ENST00000311637.5
BNIP3	ENST00000368636.4
GBP4	ENST00000355754.6
TMEM100	ENST00000424486.2
FBLN7	ENST00000331203.2
AC012360.2	ENST00000595531.1
IRAK4	ENST00000431837.1
MANSC1	ENST00000535902.1
HOOK3	ENST00000307602.4
DESI2	ENST00000302550.11
GBP6	ENST00000370456.4
SLC1A2	ENST00000278379.3
CSF2RB	ENST00000403662.3
AC006372.1	ENST00000444154.1
ABTB1	ENST00000393363.3
POLD3	ENST00000263681.2
FAM98A	ENST00000403368.1
PRKCI	ENST00000295797.4
LIX1L	ENST00000369308.3
PDP2	ENST00000311765.2
CDC20B	ENST00000334206.5
CALR	ENST00000316448.5
SYS1	ENST00000243918.5
PLEKHA3	ENST00000234453.5
S1PR1	ENST00000305352.6
GAB2	ENST00000340149.2
MAML2	ENST00000524717.1
C14orf23	ENST00000399387.4
SLC2A10	ENST00000359271.2
SCN4B	ENST00000324727.4
MAPK10	ENST00000395169.3
C1orf158	ENST00000288048.5
DAZ3	ENST00000382365.2
CNR1	ENST00000362094.5
CDK6	ENST00000265734.4
TRIM8	ENST00000302424.7
SCIMP	ENST00000574081.1
PAPL	ENST00000331256.5
AKR1E2	ENST00000298375.7
HNF4G	ENST00000396423.2
PLLP	ENST00000219207.5
MOB1B	ENST00000309395.2
SARS2	ENST00000221431.6
SLC22A13	ENST00000311856.4
OTOGL	ENST00000458043.2
OTOP2	ENST00000580223.1

UBP1	ENST00000283629.3
ZNF585B	ENST00000532828.2
STX7	ENST00000367941.2
ASTN2	ENST00000341734.4
SNX19	ENST00000265909.4
F8	ENST00000330287.6
COL25A1	ENST00000399132.1
RPS9	ENST00000441429.1
BAZ2B	ENST00000392782.1
SNCB	ENST00000310112.3
P2RY4	ENST00000374519.2
TEX35	ENST00000367642.3
PDCD7	ENST00000204549.4
ZFY	ENST00000383052.1
WDR70	ENST00000265107.4
CCDC88A	ENST00000336838.6
HOXA3	ENST00000396352.4
ZC3HAV1	ENST00000242351.5
NR6A1	ENST00000487099.2
HIST1H2BN	ENST00000606613.1
CLSPN	ENST00000318121.3
GK5	ENST00000392993.2
RDH16	ENST00000398138.3
ZNF441	ENST00000357901.4
DAZ4	ENST00000382290.3
RCC1	ENST00000373833.6
C19orf66	ENST00000253110.11
MINOS1	ENST00000322753.6
GALNT15	ENST00000339732.5
ITGAL	ENST00000356798.6
ABCA12	ENST00000272895.7
NAT16	ENST00000300303.2
FABP7	ENST00000356535.4
NDUFAF5	ENST00000378106.5
PRPF4B	ENST00000337659.6
FAM169B	ENST00000558256.1
SEPT3	ENST00000396425.3
TPD52L3	ENST00000344545.5
FCRL6	ENST00000321935.6
MUM1L1	ENST00000357175.2
TMEM62	ENST00000260403.2
AMOTL1	ENST00000317837.9
PTPN14	ENST00000366956.5
PRRC1	ENST00000296666.8
ZC3H12C	ENST00000278590.3
PIANP	ENST00000534837.1
AMN1	ENST00000281471.6
GRHL2	ENST00000251808.3
LDHA	ENST00000227157.4
NLRX1	ENST00000409109.1
SCN8A	ENST00000354534.6
CLEC4D	ENST00000299665.2
CORO1C	ENST00000261401.3
RCVRN	ENST00000226193.5

LARP4	ENST00000398473.2
FRMD5	ENST00000484674.1
MAP4K5	ENST00000013125.4
BMP7	ENST00000395863.3
ZADH2	ENST00000322342.3
ZNF709	ENST00000397732.3
MANEAL	ENST00000397631.3
RP11-156E8.1	ENST00000607453.1
KCNK13	ENST00000282146.4
TACR2	ENST00000373307.1
CIAO1	ENST00000488633.1
ZIC2	ENST00000376335.3
SCN3B	ENST00000392770.2
CD72	ENST00000396757.1
ZBTB41	ENST00000367405.4
CCDC50	ENST00000392455.3
PCGF5	ENST00000336126.5
DCC	ENST00000442544.2
MMP16	ENST00000286614.6
ZHX1	ENST00000395571.3
SCNN1B	ENST00000343070.2
FBN1	ENST00000316623.5
PELI3	ENST00000320740.7
TRAK2	ENST00000332624.3
KCNG4	ENST00000308251.4
GSTM1	ENST00000309851.5
CD83	ENST00000379153.3
HCLS1	ENST00000314583.3
SYT4	ENST00000255224.3
C1orf213	ENST00000335648.3
NECAP1	ENST00000339754.5
COL5A2	ENST00000374866.3
FAM69A	ENST00000370310.4
COL4A3	ENST00000396578.3
CTC-360G5.8	ENST00000599996.1
TNFSF4	ENST00000367718.1
ATP6AP1	ENST00000369762.2
MXRA7	ENST00000355797.3
LRRN4	ENST00000378858.4
PISD	ENST00000397500.1
DAZ2	ENST00000382449.1
USP51	ENST00000500968.3
INCA1	ENST00000355025.3
PCYT1B	ENST00000379145.1
PRICKLE2	ENST00000295902.6
PAFAH2	ENST00000374282.3
ENPEP	ENST00000265162.5
ALDH9A1	ENST00000354775.4
TM9SF4	ENST00000398022.2
SLC6A6	ENST00000454876.2
CREG1	ENST00000370509.4
PIK3CG	ENST00000359195.3
MYEOV	ENST00000308946.3
COIL	ENST00000240316.4

TTC18	ENST00000310715.3
MEF2B	ENST00000409224.1
CD300LG	ENST00000317310.4
MARCH8	ENST00000453424.2
POLR3G	ENST00000504930.1
DYSF	ENST00000258104.3
QRFPR	ENST00000394427.2
ZNF852	ENST00000436261.1
SNX17	ENST00000233575.2
KLF15	ENST00000296233.3
IDI1	ENST00000381344.3
HCN3	ENST00000368358.3
SUDS3	ENST00000397564.2
ERO1L	ENST00000395686.3
MED8	ENST00000372457.4
C5AR1	ENST00000355085.3
KANK2	ENST00000586659.1
CTNS	ENST00000046640.3
LILRA6	ENST00000391735.3
TAZ	ENST00000299328.5
CADPS	ENST00000383710.4
FAM133A	ENST00000538690.1
NMNAT2	ENST00000294868.4
FAM180A	ENST00000338588.3
DNAJA1	ENST00000330899.4
HDAC9	ENST00000405010.3
CREB5	ENST00000357727.2
TMBIM1	ENST00000258412.3
GPR135	ENST00000395116.1
PIK3R3	ENST00000262741.5
PPP1R12A	ENST00000261207.5
JMJD8	ENST00000412368.2
ARL2	ENST00000246747.4
VAMP1	ENST00000361716.3
PTPN11	ENST00000351677.2
NKX1-2	ENST00000451024.3
SOHLH2	ENST00000379881.3
FBXO21	ENST00000427718.2
GAPDHS	ENST00000222286.4
PIK3C2G	ENST00000433979.1
SORCS2	ENST00000507866.2
RABL3	ENST00000273375.3
CCDC103	ENST00000417826.2
SIRT1	ENST00000212015.6
FGFR10P2	ENST00000546072.1
MMGT1	ENST00000305963.2
ADAMDEC1	ENST00000256412.4
CHRNB1	ENST00000306071.2
MRPS11	ENST00000325844.4
CCDC140	ENST00000295226.1
PRIMA1	ENST00000393140.1
HR	ENST00000381418.4
CEP290	ENST00000547691.2
TRIM27	ENST00000377194.3

TMPRSS3	ENST00000398405.1
TBX5	ENST00000349716.5
DOK5	ENST00000262593.5
ARHGEF7	ENST00000426073.2
CXXC4	ENST00000394767.2
C19orf10	ENST00000262947.3
CCT4	ENST00000394440.3
MBNL3	ENST00000370839.3
RPS6KB1	ENST00000225577.4
MAOB	ENST00000538942.1
FAM178A	ENST00000238961.4
ZNF260	ENST00000523638.1
HCN4	ENST00000261917.3
URGCP-MRPS24	ENST00000603700.1
USP39	ENST00000409766.3
GUCY2C	ENST00000261170.3
CPNE3	ENST00000198765.4
APEX2	ENST00000374987.3
POLR1D	ENST00000399697.3
SLC16A1	ENST00000369626.3
MRPL50	ENST00000374865.4
C12orf61	ENST00000408887.2
RIPK3	ENST00000216274.5
PTGES3	ENST00000262033.6
TRIM44	ENST00000299413.5
KCNJ16	ENST00000589377.1
PRKX	ENST00000262848.5
MIB1	ENST00000261537.6
SIRPB1	ENST00000279477.7
XPO7	ENST00000252512.9
CTD-2054N24.2	ENST00000559714.1
ZSCAN32	ENST00000574940.1
KIAA1456	ENST00000524591.2
KIAA1217	ENST00000396445.1
NECAP2	ENST00000337132.5
SNN	ENST00000329565.5
SLC7A14	ENST00000231706.5
RUFY2	ENST00000388768.2
SLC6A20	ENST00000353278.4
FGF7	ENST00000267843.4
NFAM1	ENST00000329021.5
PRSS8	ENST00000317508.6
ZNF302	ENST00000505365.2
LRRC8A	ENST00000372600.4
HSPB7	ENST00000411503.1
LPL	ENST00000311322.8
PRDM6	ENST00000407847.4
VWC2L	ENST00000427124.1
RAPGEF6	ENST00000509018.1
DBF4B	ENST00000315005.3
PAX1	ENST00000444366.2
IER5L	ENST00000372491.2
GSPT2	ENST00000340438.4
POLR3D	ENST00000397802.4

FYB	ENST00000351578.6
CAMK2D	ENST00000296402.5
SFTP1A1	ENST00000398636.3
BCAS3	ENST00000589222.1
RP11-122A3.2	ENST00000517562.2
PRSS16	ENST00000230582.3
STRN3	ENST00000355683.5
PIP4K2B	ENST00000269554.3
TMEM40	ENST00000314124.7
RP11-169F17.1	ENST00000581862.1
PLEK2	ENST00000216446.4
BMPR2	ENST00000374574.2
XKRX	ENST00000468904.1
IKZF3	ENST00000346872.3
PLAG1	ENST00000316981.3
GDAP1	ENST00000220822.7
CXXC5	ENST00000302517.3
GALNT6	ENST00000543196.2
STEAP4	ENST00000380079.4
ADAM28	ENST00000265769.4
SMARCAD1	ENST00000354268.4
NLRC3	ENST00000448023.2
RGAG1	ENST00000465301.2
C14orf159	ENST00000256324.10
AC002472.13	ENST00000543388.1
TOP3A	ENST00000321105.5
MYZAP	ENST00000267853.5
C15orf54	ENST00000318578.3
PCYOX1	ENST00000264441.5
VMAC	ENST00000339485.3
ZNF488	ENST00000494156.1
UBALD2	ENST00000327490.6
ME1	ENST00000369705.3
CDC7	ENST00000234626.6
MTX3	ENST00000509852.1
AIDA	ENST00000340020.6
PTPRB	ENST00000334414.6
HSPA9	ENST00000297185.3
CCDC92	ENST00000238156.3
ANKRD36	ENST00000357042.4
KCNB1	ENST00000371741.4
PRRT2	ENST00000300797.6
CHML	ENST00000366553.1
CDKL4	ENST00000378803.1
SASH3	ENST00000356892.3
ESR2	ENST00000557772.1
MFS10	ENST00000508221.1
CASP9	ENST00000546424.1
GCC1	ENST00000321407.2
TGFB1P1	ENST00000393359.2
C17orf80	ENST00000359042.2
SYNCRIP	ENST00000355238.6
SIX1	ENST00000247182.6
ARHGEF10	ENST00000520359.1

GRIA4	ENST00000527669.1
ZBTB12	ENST00000375527.2
FLJ00388	ENST00000594280.1
SSTR1	ENST00000267377.2
RP11-93B14.6	ENST00000370520.3
CPT1A	ENST00000265641.5
LEPREL1	ENST00000319332.5
PLXNA4	ENST00000321063.4
CHST11	ENST00000549260.1
CCDC113	ENST00000443128.2
CAMKMT	ENST00000378494.3
TEX22	ENST00000451127.2
PICALM	ENST00000532317.1
HSPA13	ENST00000285667.3
MECOM	ENST00000460814.1
PRMT6	ENST00000370078.1
BEND4	ENST00000504360.1
TMEM140	ENST00000275767.3
TYSND1	ENST00000335494.5
GEMIN8	ENST00000380523.4
C7orf31	ENST00000409280.1
EHHADH	ENST00000231887.3
RPS6KC1	ENST00000366960.3
CHST10	ENST00000264249.3
SFTPA2	ENST00000372325.2
ALO49747.1	ENST00000594060.1
GRHL3	ENST00000361548.4
PROSER1	ENST00000352251.3
KLK7	ENST00000391807.1
BCAS4	ENST00000371608.2
LYPLA1	ENST00000316963.3
LURAP1L	ENST00000319264.3
SLC25A16	ENST00000609923.1
KAT7	ENST00000259021.4
AL354993.1	ENST00000439873.2
POM121L2	ENST00000444565.1
IL9R	ENST00000424344.3
AICDA	ENST00000229335.6
SLC10A1	ENST00000216540.4
AKAP1	ENST00000337714.3
ZKSCAN1	ENST00000324306.6
NANOS2	ENST00000341294.2
FAM19A1	ENST00000478136.1
LRRC66	ENST00000343457.3
SOS2	ENST00000216373.5
C7orf73	ENST00000507606.1
ZNF507	ENST00000311921.4
CEACAM7	ENST00000006724.3
BNC2	ENST00000380672.4
SEL1L	ENST00000336735.4
FAM109A	ENST00000361483.3
DCUN1D3	ENST00000324344.4
CNIH4	ENST00000465271.1
ZNF280B	ENST00000360412.2

ERO1LB	ENST00000354619.5
HIST1H3H	ENST00000369163.2
ACO08060.7	ENST00000401499.1
WBP2NL	ENST00000328823.9
OTP	ENST00000306422.3
KLK12	ENST00000529888.1
SLFNL1	ENST00000302946.8
SYNGAP1	ENST00000418600.2
STAMBP	ENST00000394070.2
ALG10B	ENST00000308742.4
SLC25A45	ENST00000527174.1
DAZ1	ENST00000405239.1
LY75-CD302	ENST00000504764.1
LY75	ENST00000554112.1
EID2B	ENST00000326282.4
ASCL4	ENST00000342331.4
MAFG	ENST00000357736.4
MED18	ENST00000373842.4
SCOC	ENST00000608372.1
LGSN	ENST00000370658.5
FAM220A	ENST00000313324.4
PRKACB	ENST00000370689.2
ACO22498.1	ENST00000392468.2
ZNF865	ENST00000568956.1
TOX4	ENST00000405508.1
RNF141	ENST00000265981.2
RBM28	ENST00000223073.2
BMPR1A	ENST00000372037.3
PSME3	ENST00000541124.1
KIAA0825	ENST00000513200.3
MPP7	ENST00000375732.1
SMARCD1	ENST00000394963.4
INA	ENST00000369849.4
TMEM135	ENST00000340353.7
ANGPTL2	ENST00000373425.3
SNTG1	ENST00000522124.1
ANKRD16	ENST00000191063.8
TLR5	ENST00000540964.1
BRD2	ENST00000374825.4
CLRN1	ENST00000327047.1
PUS7L	ENST00000416848.2
SPHKAP	ENST00000392056.3
TMC01	ENST00000392129.6
SLC17A7	ENST00000221485.3
MINPP1	ENST00000371994.4
PTP4A2	ENST00000602725.1
CHST14	ENST00000306243.5
URM1	ENST00000372850.1
ZFYVE27	ENST00000453958.2
PHACTR4	ENST00000373839.3
INPP4B	ENST00000513000.1
FAM49A	ENST00000381323.3
GTF2H1	ENST00000265963.4
CEACAM19	ENST00000358777.4

TMEM119	ENST00000392806.3
GPR85	ENST00000297146.3
FOXO4	ENST00000374259.3
COL9A1	ENST00000357250.6
MARS2	ENST00000282276.6
PPP1R18	ENST00000399199.3
RPAP2	ENST00000610020.1
ZNFX1	ENST00000371752.1
SV2C	ENST00000502798.2
RP11-192H23.4	ENST00000534850.1
F11R	ENST00000368026.6
GNE	ENST00000396594.3
AVEN	ENST00000306730.3
ZBTB26	ENST00000373656.3
CHCHD1	ENST00000372837.3
LONRF1	ENST00000398246.3
NAT14	ENST00000205194.4
C2orf50	ENST00000381585.3
PPP3R2	ENST00000374806.1
TMEM87B	ENST00000283206.4
C11orf88	ENST00000529167.1
GPR153	ENST00000377893.2
AWAT1	ENST00000374521.3
C6orf201	ENST00000380175.4
ARF6	ENST00000298316.5
SRR	ENST00000344595.5
ANAPC7	ENST00000455511.3
ZYG11A	ENST00000371532.1
PRRX1	ENST00000367760.3
UBR7	ENST00000013070.6
MPRIP	ENST00000341712.4
PAK1	ENST00000278568.4
PVRL3	ENST00000319792.3
MED28	ENST00000237380.7
PPP1R3A	ENST00000284601.3
CLCA2	ENST00000370565.4
WBP2	ENST00000254806.3
SMARCA2	ENST00000349721.2
SNAP91	ENST00000521485.1
TNR	ENST00000367674.2
AC007375.1	ENST00000600936.1
TPBGL	ENST00000562197.2
DPYSL2	ENST00000311151.5
MOCS1	ENST00000373186.4
FSIP1	ENST00000350221.3
CCR9	ENST00000357632.2
JHDM1D	ENST00000397560.2
THBS1	ENST00000260356.5
KCTD16	ENST00000507359.3
FAM213B	ENST00000378424.4
TRPM3	ENST00000377110.3
SLC31A2	ENST00000259392.3
PTGDS	ENST00000224167.2
ZSCAN9	ENST00000527436.1

NBPF4	ENST00000415641.3
TMEM30A	ENST00000230461.6
NR2F2	ENST00000394166.3
TFAP4	ENST00000204517.6
ZNF580	ENST00000325333.5
PADI2	ENST00000375486.4
NCOA1	ENST00000405141.1
MAGOHB	ENST00000539554.1
H1FO	ENST00000340857.2
TMEM127	ENST00000258439.3
MSRB3	ENST00000308259.5
ZBTB46	ENST00000245663.4
TM4SF1	ENST00000472441.1
PAG1	ENST00000220597.4
CXorf36	ENST00000398000.2
HNF1B	ENST00000225893.4
ESR1	ENST00000440973.1
GTPBP2	ENST00000307126.5
INO80D	ENST00000403263.1
RUNDC3A	ENST00000426726.3
ZNF160	ENST00000599056.1
SSR3	ENST00000476217.1
C18orf25	ENST00000282059.6
MRPL17	ENST00000288937.6
ATP6V1A	ENST00000273398.3
HADH	ENST00000403312.1
DAK	ENST00000394900.3
ZEB2	ENST00000558170.2
SNAP23	ENST00000249647.3
PHLPP2	ENST00000568954.1
PRAMEF18	ENST00000376126.2
CTNNA3	ENST00000433211.2
KCNK12	ENST00000327876.4
PRAMEF19	ENST00000540591.1
TTC31	ENST00000410003.1
PITPNM3	ENST00000421306.3
TAB3	ENST00000378933.1
SLIT2	ENST00000504154.1
CD38	ENST00000226279.3
TEAD1	ENST00000361905.4
TTC33	ENST00000337702.4
KIAA1462	ENST00000375377.1
DUSP28	ENST00000405954.1
CAPRIN1	ENST00000341394.4
AMER2	ENST00000357816.2
AL033381.1	ENST00000314040.1
PRAMEF22	ENST00000376187.1
HTR1F	ENST00000319595.4
DPF2	ENST00000528416.1
OTUD4	ENST00000454497.2
PRAMEF3	ENST00000353410.5
PPP2R2C	ENST00000335585.5
C7	ENST00000313164.9
SLC26A2	ENST00000286298.4

TFEC	ENST00000265440.7
CNDP1	ENST00000582365.1
SAE1	ENST00000392776.3
BCAP29	ENST00000005259.4
SERPINB5	ENST00000382771.4
MPZL2	ENST00000278937.2
GPD2	ENST00000540309.1
PRKAB1	ENST00000229328.5
TNRC6B	ENST00000335727.9
CLDN2	ENST00000336803.1
AADACL4	ENST00000376221.1
LDLRAP1	ENST00000374338.4
CDK20	ENST00000375871.4
CRCP	ENST00000415001.2
NPNT	ENST00000379987.2
KXD1	ENST00000540691.1
CBX5	ENST00000209875.4
FHL1	ENST00000394155.2
SPOP	ENST00000393328.2
DAG1	ENST00000515359.2
XP01	ENST00000401558.2
THAP11	ENST00000303596.1
SLC24A2	ENST00000341998.2
AL133373.1	ENST00000596306.1
SPIN2A	ENST00000374908.1
ADRB2	ENST00000305988.4
UBN1	ENST00000262376.6
WIPF2	ENST00000323571.4
EBF3	ENST00000368648.3
CMTM6	ENST00000205636.3
CD300LB	ENST00000392621.1
IFIT5	ENST00000371795.4
CD96	ENST00000352690.4
CCNY	ENST00000374706.1
NBPF14	ENST00000369219.1
ZNF485	ENST00000361807.3
ABHD17C	ENST00000258884.4
HOXA5	ENST00000222726.3
RNASE11	ENST00000610205.1
RAP2A	ENST00000245304.4
SIGLEC10	ENST00000441969.3
ANKRD27	ENST00000306065.4
CYFIP2	ENST00000318218.6
GJA5	ENST00000271348.2
AP000322.53	ENST00000450895.1
GLB1L2	ENST00000339772.7
C20orf96	ENST00000382369.5
USP14	ENST00000261601.7
TMEM173	ENST00000330794.4
DHX33	ENST00000225296.3
GRPEL2	ENST00000416916.2
STK32B	ENST00000282908.5
NBEAL1	ENST00000449802.1
PAQR4	ENST00000318782.8

OPRK1	ENST00000265572.3
AC115618.1	ENST00000376775.2
KIAA0907	ENST00000368320.3
GPR83	ENST00000243673.2
EDA	ENST00000374553.2
MYH7B	ENST00000262873.7
GSTCD	ENST00000515279.1
BLMH	ENST00000261714.6
CD300C	ENST00000330793.1
PRKAB2	ENST00000254101.3
C3orf36	ENST00000408895.2
VN1R1	ENST00000321039.3
MAMDC2	ENST00000377182.4
KRT80	ENST00000313234.5
SPTLC1	ENST00000262554.2
B4GALT1	ENST00000379731.4
PLXDC1	ENST00000315392.4
DSC3	ENST00000434452.1
MLK4	ENST00000366624.3
SALL1	ENST00000566102.1
MAP3K3	ENST00000361357.3
GFPT2	ENST00000253778.8
AMER1	ENST00000330258.3
S100A14	ENST00000476873.1
PAMR1	ENST00000278360.3
SMYD1	ENST00000419482.2
KRT35	ENST00000246639.2
NAV1	ENST00000295624.6
MTMR10	ENST00000435680.1
PURG	ENST00000475541.1
CYB5D1	ENST00000571846.1
SPIN3	ENST00000374919.3
MYO1D	ENST00000318217.5
SLC25A28	ENST00000370495.4
C21orf62	ENST00000536776.1
TOM1	ENST00000382034.5
FREM1	ENST00000380881.4
MRGPRX2	ENST00000329773.2
TESPA1	ENST00000524622.1
C11orf68	ENST00000438576.2
C17orf58	ENST00000536693.1
PNCK	ENST00000340888.3
RACGAP1	ENST00000427314.2
MFAP5	ENST00000359478.2
LINS	ENST00000561308.1
NME1	ENST00000511355.1
DCTPP1	ENST00000319285.4
RFX4	ENST00000229387.5
HTR2A	ENST00000378688.4
AIM1	ENST00000369066.3
SRRM1	ENST00000323848.9
SLC35B4	ENST00000378509.4
PHKA1	ENST00000373542.4
PRDM5	ENST00000515109.1

CREBRF	ENST00000540014. 1
FAM174B	ENST00000327355. 5
HIST1H2BJ	ENST00000541790. 1
ENPP6	ENST00000296741. 2
STAC	ENST00000273183. 3
UTP14C	ENST00000521776. 2
ELMO2	ENST00000290246. 6
GPR97	ENST00000333493. 4
FAM110C	ENST00000327669. 4
CASC5	ENST00000346991. 5
IER5	ENST00000367577. 4
GTF2A1	ENST00000553612. 1
RCAN2	ENST00000330430. 6
ZC3H7A	ENST00000396516. 2
ATP2B3	ENST00000370186. 1
GLUD2	ENST00000328078. 1
TAF12	ENST00000373824. 4
SFT2D2	ENST00000271375. 4
BROX	ENST00000537020. 1
SIGLEC14	ENST00000360844. 6
DSTYK	ENST00000367160. 4
SNX29	ENST00000566228. 1
PGBD4	ENST00000397766. 2
BNC1	ENST00000345382. 2
ZNF80	ENST00000482457. 2
OAS2	ENST00000392583. 2
PLEKHA1	ENST00000538022. 1
NUAK1	ENST00000261402. 2
POLR3B	ENST00000228347. 4
UNC13A	ENST00000519716. 2
C1QTNF9B	ENST00000382145. 1
C9orf62	ENST00000320778. 2
MXRA5	ENST00000217939. 6
HLF	ENST00000226067. 5
TRIM32	ENST00000373983. 2
TWIST1	ENST00000242261. 5
SPON2	ENST00000290902. 5
CSNK1G1	ENST00000303052. 7
DGKA	ENST00000551156. 1
PAQR7	ENST00000374296. 3
TUFT1	ENST00000368849. 3
TOR1AIP1	ENST00000606911. 2
CTC-432M15. 3	ENST00000514667. 1
EFR3A	ENST00000254624. 5
ZNF584	ENST00000599238. 1
KPNA6	ENST00000373625. 3
TGOLN2	ENST00000377386. 3
CEP97	ENST00000341893. 3
SEC31B	ENST00000370345. 3
AP1M2	ENST00000590923. 1
SMYD5	ENST00000389501. 4
TMEM105	ENST00000332900. 1
DCAF10	ENST00000242323. 7
NEUROG3	ENST00000242462. 4

VIP	ENST00000367244.3
SEPT9	ENST00000431235.2
PEG3	ENST00000423103.2
KCNMB1	ENST00000274629.4
RORB	ENST00000376896.3
TNFSF13B	ENST00000375887.4
SLC35C2	ENST00000372227.1
ANXA4	ENST00000394295.4
LHX4	ENST00000263726.2
SNAPC3	ENST00000380821.3
SPHAR	ENST00000366688.3
RP11-181C3.1	ENST00000501499.1
CRISPLD2	ENST00000262424.5
FEZF2	ENST00000486811.1
FCF1	ENST00000341162.4
TAF5L	ENST00000366676.1
DDR1	ENST00000446312.1
MAP7	ENST00000354570.3
GJA9	ENST00000454994.2
SEC16A	ENST00000313050.7
NETO1	ENST00000327305.6
RAB22A	ENST00000244040.3
ENOPH1	ENST00000273920.3
LMLN	ENST00000330198.4
ZNF740	ENST00000416904.3
AIF1L	ENST00000372300.1
TBCEL	ENST00000422003.2
SRSF6	ENST00000244020.3
VWC2	ENST00000340652.4
AZGP1	ENST00000411734.1
FAM27E1	ENST00000377525.1
PAXIP1	ENST00000404141.1
RNF26	ENST00000311413.4
XKR8	ENST00000373884.5
RP11-204N11.1	ENST00000555187.1
MICU3	ENST00000318063.5
SAMHD1	ENST00000262878.4
TUBB6	ENST00000591208.1
LPHN2	ENST00000370715.1
EFEMP1	ENST00000394555.2
FLI1	ENST00000527786.2
EPGN	ENST00000413830.1
MCL1	ENST00000369026.2
KCNJ1	ENST00000392665.2
CWC25	ENST00000225428.5
DCAF4L1	ENST00000333141.5
ZNF878	ENST00000547628.1
IRF2BPL	ENST00000238647.3
PI15	ENST00000260113.2
RUFY1	ENST00000377001.2
PLEKHH1	ENST00000329153.5
DDX26B	ENST00000370752.4
SRL	ENST00000399609.3
SLX4IP	ENST00000334534.5

LOXL3	ENST00000264094.3
DDTL	ENST00000215770.5
MCPH1	ENST00000519480.1
PIGZ	ENST00000412723.1
NIPAL3	ENST00000003912.3
VMA21	ENST00000330374.6
CDIP1	ENST00000564828.1
LRCH1	ENST00000311191.6
MPP2	ENST00000377184.3
GNPNAT1	ENST00000216410.3
OTUD5	ENST00000156084.4
SPRED1	ENST00000299084.4
AP3B1	ENST00000255194.6
SLC7A11	ENST00000280612.5
TCTA	ENST00000273590.3
RP11-676J12.7	ENST00000576252.1
IL1RAP	ENST00000072516.3
APO00679.2	ENST00000319763.1
UBE2J2	ENST00000347370.2
EYA3	ENST00000373871.3
LILRA4	ENST00000291759.4
LDB1	ENST00000361198.5
BPNT1	ENST00000322067.7
NFE2L3	ENST00000056233.3
CELF1	ENST00000395290.2
SRPR	ENST00000332118.6
GNPDA1	ENST00000311337.6
TCF12	ENST00000267811.5
BLOC1S3	ENST00000433642.2
AJAP1	ENST00000378191.4
KIF4B	ENST00000435029.4
MEX3C	ENST00000592416.1
BCL2L1	ENST00000376062.2
TENM1	ENST00000371130.3
MAP2K1	ENST00000307102.5
FAM27E2	ENST00000377529.1
AMZ1	ENST00000312371.4
GK	ENST00000378946.3
CTDSP1	ENST00000273062.2
TMEM231	ENST00000258173.6
POLQ	ENST00000264233.5
NIN	ENST00000389868.3
TSPYL5	ENST00000322128.3
ZC3H6	ENST00000343936.4
CCDC180	ENST00000395220.1
FAM167A	ENST00000284486.4
AKAP17A	ENST00000313871.3
ARHGAP22	ENST00000249601.4
FGF5	ENST00000456523.3
N4BP2L2	ENST00000267068.3
PDE5A	ENST00000354960.3
SEMA4F	ENST00000357877.2
APPL1	ENST00000288266.3
INHBC	ENST00000309668.2

ZNF202	ENST00000336139.4
PTGFRN	ENST00000393203.2
GLS	ENST00000338435.4
MOXD1	ENST00000367963.3
CDH6	ENST00000265071.2
TTC9	ENST00000256367.2
SYT1	ENST00000457153.2
WNT2B	ENST00000369686.5
NBPF3	ENST00000318220.6
PRRG3	ENST00000370353.3
AL590483.1	ENST00000598000.1
SNAP25	ENST00000254976.2
MYO5C	ENST00000261839.7
RHOU	ENST00000366691.3
PAAF1	ENST00000544552.1
CEACAM1	ENST00000403444.3
PTEN	ENST00000371953.3
C3orf72	ENST00000383165.3
LPHN3	ENST00000512091.2
S100Z	ENST00000317593.4
MAMSTR	ENST00000318083.6
CBX7	ENST00000216133.5
HOXD11	ENST00000249504.5
ZNF578	ENST00000421239.2
ZNF438	ENST00000331737.6
SLC18A3	ENST00000374115.3
ZNF619	ENST00000447116.2
FAM27E3	ENST00000455764.2
P4HB	ENST00000331483.4
STK4	ENST00000372801.1
FREM2	ENST00000280481.7
CCNT1	ENST00000261900.3
PPP1R10	ENST00000376511.2
PHYHIP	ENST00000321613.3
DNAH100S	ENST00000514254.2
ZSCAN25	ENST00000394152.2
KDELR2	ENST00000258739.4
CAMKV	ENST00000296471.7
SLC6A2	ENST00000219833.8
SLC22A5	ENST00000245407.3
GGT7	ENST00000336431.5
BBS10	ENST00000393262.3
ADORA2A	ENST00000337539.7
RNF185	ENST00000326132.6
TMPRSS2	ENST00000332149.5
PHYHIPL	ENST00000373880.4
STIM1	ENST00000527651.1
HM13	ENST00000335574.5
SERINC5	ENST00000512721.1
BRWD3	ENST00000373275.4
RFESD	ENST00000513950.2
DEDD	ENST00000368006.3
KIAA0408	ENST00000483725.3
ZNF662	ENST00000541208.1

C1orf85	ENST00000362007.1
CPEB4	ENST00000265085.5
SLC01C1	ENST00000545604.1
HID1	ENST00000425042.2
TMLHE	ENST00000334398.3
ARHGAP19-SLIT1	ENST00000453547.2
HTR4	ENST00000377888.3
NIPAL1	ENST00000295461.5
SLC25A42	ENST00000318596.7
ZNF562	ENST00000293648.4
TNS4	ENST00000254051.6
HS3ST3A1	ENST00000284110.1
SYT7	ENST00000263846.4
ZNF207	ENST00000394670.4
FAM64A	ENST00000570337.2
INSR	ENST00000341500.5
APAF1	ENST00000333991.1
NHLRC3	ENST00000470258.1
C2orf88	ENST00000340623.4
SRP19	ENST00000282999.3
RPL22	ENST00000234875.4
SEH1L	ENST00000262124.11
PGAP1	ENST00000354764.4
TMEM37	ENST00000306406.4
TMEM43	ENST00000306077.4
RPA1	ENST00000254719.5
HDGF	ENST00000357325.5
TFR2	ENST00000431692.1
FAM153C	ENST00000398106.2
MTHFSD	ENST00000360900.6
MACC1	ENST00000400331.5
CNTN1	ENST00000551295.2
ARHGAP27	ENST00000532038.1
MAPK4	ENST00000592595.1
AGPS	ENST00000264167.4
TNFRSF21	ENST00000296861.2
RBMS3	ENST00000396583.3
ZNF275	ENST00000370251.3
YWHAZ	ENST00000395957.2
KIAA0226	ENST00000273582.5
CD164	ENST00000368961.5
EPB41L5	ENST00000443902.2
ZBTB33	ENST00000326624.2
KLC2	ENST00000394065.2
TNRC6A	ENST00000395799.3
THSD7A	ENST00000423059.4
RAX	ENST00000256852.7
SNX22	ENST00000325881.4
TRPV6	ENST00000359396.3
C2orf194	ENST00000453730.2
ANGPT1	ENST00000520734.1
SDC4	ENST00000372733.3
TMA16	ENST00000358572.5
DDX20	ENST00000369702.4

HIST1H2AK	ENST00000330180.2
FADS6	ENST00000310226.6
CD300LD	ENST00000375352.1
ZNF525	ENST00000467003.1
PCDH11Y	ENST00000215473.6
ABHD14B	ENST00000461108.1
EVC	ENST00000382674.2
PTPN7	ENST00000367279.4
CPNE5	ENST00000244751.2
USP35	ENST00000529308.1
ABCA10	ENST00000416101.2
KRT83	ENST00000293670.3
ING4	ENST00000341550.4
TECTA	ENST00000392793.1
C7orf65	ENST00000408988.2
SGTB	ENST00000381007.4
CLCN2	ENST00000423355.2
TMEM246	ENST00000374847.1
RGS17	ENST00000367225.2
LRRC58	ENST00000295628.3
NKD1	ENST00000268459.3
WDR36	ENST00000506538.2
KLRC3	ENST00000381903.2
IPP	ENST00000396478.3
DIAPH2	ENST00000324765.8
GGA2	ENST00000309859.4
SYNJ2BP	ENST00000256366.4
DTHD1	ENST00000456874.2
CIB2	ENST00000258930.3
CLEC1A	ENST00000315330.4
GPR114	ENST00000340339.4
TMEM214	ENST00000238788.9
CHRNA4	ENST00000370263.4
ACVRL1	ENST00000550683.1
CENPO	ENST00000380834.2
EML5	ENST00000554922.1
ORMDL1	ENST00000392350.3
ATMIN	ENST00000299575.4
CNOT8	ENST00000285896.6
LTBP1	ENST00000404525.1
FLT1	ENST00000282397.4
LRRTM2	ENST00000274711.6
SUSD5	ENST00000309558.3
F13A1	ENST00000264870.3
SNIP1	ENST00000296215.6
PLB1	ENST00000422425.2
SOCS3	ENST00000330871.2
ZNF774	ENST00000354377.3
NXNL2	ENST00000375854.3
ARHGEF2	ENST00000368315.4
SRP72	ENST00000342756.5
MANEA	ENST00000358812.4
CREBZF	ENST00000398294.2
PIGM	ENST00000368090.2

GNB5	ENST00000261837.7
ZDHC18	ENST00000374142.4
ATP7A	ENST00000343533.5
RASA4	ENST00000262940.7
AC005481.5	ENST00000409610.1
YPEL2	ENST00000312655.4
FLJ20373	ENST00000414004.2
PAK2	ENST00000327134.3
KLK9	ENST00000376832.4
CXCR5	ENST00000292174.4
PMAIP1	ENST00000316660.6
RALBP1	ENST00000383432.3
IGSF3	ENST00000369486.3
PTCD3	ENST00000254630.7
SLC38A1	ENST00000398637.5
GAREM	ENST00000399218.4
ZBTB25	ENST00000608382.1
KLHL14	ENST00000359358.4
TMCC1	ENST00000432054.2
SNX10	ENST00000396376.1
TP53INP2	ENST00000374810.3
POLG	ENST00000268124.5
TCFL5	ENST00000335351.3
SLC34A1	ENST00000324417.5
FRMPD3	ENST00000276185.4
RAPGEFL1	ENST00000264644.6
FAM91A1	ENST00000334705.7
VANGL2	ENST00000368061.2
ENTPD1	ENST00000371207.3
NUP155	ENST00000231498.3
RNF157	ENST00000269391.6
PPM1A	ENST00000395076.4
FGF11	ENST00000293829.4
DUSP16	ENST00000298573.4
ATG5	ENST00000360666.4
NKX6-1	ENST00000515820.2
TLDC2	ENST00000217320.3
SPSB3	ENST00000566339.1
HLA-E	ENST00000376630.4
AIPL1	ENST00000381129.3
LHX9	ENST00000367390.3
USP26	ENST00000370832.1
KLF6	ENST00000542957.1
CYTH1	ENST00000585509.1
RNF208	ENST00000392827.1
TMOD2	ENST00000249700.4
ITGB8	ENST00000222573.4
DCK	ENST00000504730.1
CYLD	ENST00000540145.1
PTPLAD2	ENST00000495827.2
DCLRE1B	ENST00000369563.3
NADK2	ENST00000397338.1
ZNF703	ENST00000331569.4
SAMD4A	ENST00000392067.3

NBPF10	ENST00000369339.3
TMEM236	ENST00000377495.1
ATP2A1	ENST00000395503.4
AC139426.2	ENST00000435655.2
SLC5A12	ENST00000396005.3
UHK1	ENST00000538489.1
ARHGEF4	ENST00000392953.3
TMEM236	ENST00000480516.1
EZH1	ENST00000428826.2
GPX8	ENST00000296734.6
NCKAP5	ENST00000409261.1
FAM222A	ENST00000538780.1
PIGN	ENST00000357637.5
ASAH1	ENST00000262097.6
IRF2BP2	ENST00000366610.3
YIPF3	ENST00000372422.2
RASSF3	ENST00000542104.1
SPPL3	ENST00000353487.2
GIPC2	ENST00000370759.3
PDE1B	ENST00000243052.3
KCNA2	ENST00000485317.1
CHRNA10	ENST00000250699.2
TRERF1	ENST00000541110.1
FBLIM1	ENST00000375771.1
SPECC1L	ENST00000314328.9
FERMT1	ENST00000217289.4
AC016722.1	ENST00000409518.1
CXCR2	ENST00000318507.2
NOX5	ENST00000260364.5
FAM110D	ENST00000374268.3
CLDN18	ENST00000343735.4
FUBP1	ENST00000370767.1
CHST7	ENST00000276055.3
STON2	ENST00000267540.2
EPHA7	ENST00000369303.4
ADCY7	ENST00000394697.2
NDST4	ENST00000264363.2
SYT13	ENST0000020926.3
ZSCAN22	ENST00000329665.4
C14orf180	ENST00000557649.1
GPRIN2	ENST00000374314.4
ZC3H11A	ENST00000332127.4
LILRB4	ENST00000391736.1
SAMD4B	ENST00000314471.6
RNF38	ENST00000259605.6
HUNK	ENST00000270112.2
KCTD2	ENST00000322444.6
PLXDC2	ENST00000377252.4
SRPX2	ENST00000373004.3
CTDSPL	ENST00000443503.2
TRIP12	ENST00000283943.5
PTPN21	ENST00000328736.3
ZMPSTE24	ENST00000372759.3
RAB3IL1	ENST00000394836.2

PSD3	ENST00000327040.8
KIF21A	ENST00000361961.3
SERPINB9	ENST00000380698.4
XYLT1	ENST00000261381.6
FUT9	ENST00000302103.5
IYD	ENST00000344419.3
SFXN3	ENST00000393459.1
KRT74	ENST00000549343.1
POU4F2	ENST00000281321.3
RASGRF2	ENST00000265080.4
C5orf42	ENST00000508244.1
PPP2R5E	ENST00000337537.3
AC021218.2	ENST00000377722.2
RAB5B	ENST00000553116.1
MAPK8	ENST00000374182.3
CNOT2	ENST00000229195.3
TRIM41	ENST00000315073.5
IL7R	ENST00000343305.4
MAK16	ENST00000360128.6
PDPN	ENST00000294489.6
PARD3B	ENST00000406610.2
PBRM1	ENST00000356770.4
OLIG1	ENST00000382348.1
CACNB1	ENST00000394303.3
FAM124A	ENST00000322475.8
SHISA2	ENST00000319420.3
CDH24	ENST00000397359.3
TRMT10A	ENST00000394877.3
KCNA6	ENST00000433855.1
TBX15	ENST00000207157.3
SUPT5H	ENST00000599117.1
SIX6	ENST00000327720.5
C3orf58	ENST00000441925.2
AKT1S1	ENST00000391833.1
BMP2K	ENST00000335016.5
CYB5R3	ENST00000361740.4
TCHP	ENST00000405876.4
CENPC	ENST00000273853.6
OTUD7B	ENST00000369135.4
POGK	ENST00000367875.1
RP11-126K1.2	ENST00000447795.2
PHF21A	ENST00000257821.4
ARRDC3	ENST00000265138.3
SYT5	ENST00000590851.1
HIATL1	ENST00000428393.2
HRH2	ENST00000377291.2
NPRL3	ENST00000399953.3
FBX040	ENST00000338040.4
GOLGA8A	ENST00000360553.3
ERC2	ENST00000288221.6
SERPINF2	ENST00000382061.4
TAPT1	ENST00000405303.2
IGF2R	ENST00000356956.1
VCL	ENST00000372755.3

STK10	ENST00000176763.5
ZNF398	ENST00000420008.2
C4orf33	ENST00000281146.5
UBXN2B	ENST00000399598.2
KBTBD13	ENST00000432196.2
CLSTN3	ENST00000266546.6
KCNJ8	ENST00000240662.2
SCYL3	ENST00000367771.6
FGFR10P	ENST00000366847.4
DCAF7	ENST00000310827.4
CAPZA1	ENST00000263168.3
ACVR1C	ENST00000243349.8
UPK1A	ENST00000379013.2
MAPK13	ENST00000373766.5
CCNI2	ENST00000378731.1
KIF5A	ENST00000455537.2
CHCHD5	ENST00000409719.1
MMP15	ENST00000219271.3
CRY2	ENST00000443527.2
TPM3	ENST00000368531.2
CCDC169-SOHLH2	ENST00000511166.1
UBXN7	ENST00000296328.4
SLC30A4	ENST00000261867.4
FRG1B	ENST00000278882.3
VASH2	ENST00000366968.4
NID2	ENST00000216286.5
BACH1	ENST00000286800.3
FBX032	ENST00000517956.1
GPR64	ENST00000379873.2
SNX11	ENST00000393405.2
NONO	ENST00000276079.8
ZNF549	ENST00000376233.3
ZNF776	ENST00000317178.5
FAM47E	ENST00000515604.1
NBPF9	ENST00000440491.2
PNMAL1	ENST00000313683.10
MPZ	ENST00000533357.1
RP11-385D13.1	ENST00000455584.2
SYT14	ENST00000399639.2
ATF2	ENST00000487334.2
HPSE	ENST00000311412.5
DYNLL2	ENST00000579991.2
MYO5A	ENST00000399231.3
ETV6	ENST00000396373.4
MDM2	ENST00000462284.1
SRCIN1	ENST00000264659.7
DDX39B	ENST00000376177.2
C9orf72	ENST00000380003.3
ARMCX6	ENST00000361910.4
NBPF16	ENST00000417839.1
KIAA0087	ENST00000242109.3
C2orf48	ENST00000381786.3
NBPF15	ENST00000442702.2
AP3B2	ENST00000542200.1

SNX21	ENST00000462307.1
DNER	ENST00000341772.4
RTN4IP1	ENST00000539449.1
RANBP10	ENST00000317506.3
FAM124B	ENST00000389874.3
DHCR24	ENST00000371269.3
SKOR1	ENST00000341418.5
TRIP11	ENST00000267622.4
FBX022	ENST00000308275.3
NCOA3	ENST00000341724.6
RNF4	ENST00000511859.1
STX2	ENST00000392373.2
UNC5A	ENST00000261961.3
PEX5L	ENST00000467460.1
SCTR	ENST00000019103.5
APLN	ENST00000307484.6
GRM1	ENST00000392299.2
SEC14L3	ENST00000215812.4
TMEM151B	ENST00000451188.2
TMEM143	ENST00000293261.3
CACUL1	ENST00000369151.3
RNF114	ENST00000244061.2
TTC37	ENST00000358746.2
CLIP1	ENST00000361654.4
ISY1	ENST00000393292.3
NSF	ENST00000225282.8
TMBIM6	ENST00000423828.1
AK3	ENST00000381809.3
BMP8A	ENST00000331593.5
TRIB1	ENST00000311922.3
C22orf26	ENST00000396008.2
GPC6	ENST00000377047.4
CDPF1	ENST00000404744.1
GOLM1	ENST00000388712.3
SNX12	ENST00000374274.3
SNCAIP	ENST00000261368.8
ARNT2	ENST00000303329.4
DSC1	ENST00000257197.3
RBM14	ENST00000393979.3
EIF2B3	ENST00000360403.2
ADAMTS9	ENST00000295903.4
SPAST	ENST00000315285.3
RNF217	ENST00000521654.2
RBM20	ENST00000369519.3
SPTLC2	ENST00000216484.2
LMO7	ENST00000341547.4
PCYT1A	ENST00000292823.2
TEX15	ENST00000256246.2
TMEM38B	ENST00000374692.3
GNA12	ENST00000275364.3
KIF26B	ENST00000366518.4
RAB6A	ENST00000310653.6
KLHL6	ENST00000341319.3
PURB	ENST00000395699.2

LMX1B	ENST00000355497.5
COL4A4	ENST00000396625.3
HMBOX1	ENST00000397358.3
SETDB2	ENST00000354234.4
PPP4R1L	ENST00000334187.8
BTB	ENST00000303498.5
CTD-2267D19.3	ENST00000578774.1
CCDC89	ENST00000316398.3
HOXD4	ENST00000306324.3
LASP1	ENST00000318008.6
LRP1	ENST00000243077.3
TBL2	ENST00000305632.5
HS3ST4	ENST00000331351.5
THNSL1	ENST00000524413.1
SLC6A17	ENST00000331565.4
NBEA	ENST00000379939.2
GABRA3	ENST00000370314.4
NPFFR1	ENST00000277942.6
PIK3R2	ENST00000222254.8
SYT2	ENST00000367267.1
FDXACB1	ENST00000260257.4
FNDC3B	ENST00000336824.4
LIN7A	ENST00000552864.1
CANX	ENST00000247461.4
RRP15	ENST00000366932.3
CHMP1B	ENST00000526991.2
CNTNAP2	ENST00000361727.3
TMEM256-PLSCR3	ENST00000324822.11
KIRREL	ENST00000368172.1
VPS4B	ENST00000238497.5
VAX1	ENST00000369206.5
PRMT2	ENST00000458387.2
CAMSAP1	ENST00000389532.4
RASSF7	ENST00000397582.3
SZT2	ENST00000562955.1
SHROOM3	ENST00000296043.6
YTHDF1	ENST00000370339.3
ABHD4	ENST00000428304.2
FLRT3	ENST00000378053.3
TSPAN5	ENST00000305798.3
DBT	ENST00000370132.4
LRG1	ENST00000306390.6
ESRP1	ENST00000358397.5
KLK10	ENST00000309958.3
DYM	ENST00000442713.2
SFXN1	ENST00000321442.5
CAB39L	ENST00000355854.4
TNRC6C	ENST00000335749.4
MED14	ENST00000324817.1
GPR20	ENST00000377741.3
TRAT1	ENST00000295756.6
ZNF620	ENST00000314529.6
ZHX3	ENST00000309060.3
ZNF529	ENST00000334116.7

TBC1D20	ENST00000354200.4
CGN	ENST00000271636.7
NUP210	ENST00000254508.5
RNASEL	ENST00000367559.3
TNFRSF1B	ENST00000376259.3
TOMM40L	ENST00000367987.1
PHB	ENST00000300408.3
CYP2W1	ENST00000340150.6
TIMP2	ENST00000585421.1
GOLGA7B	ENST00000370602.1
SBSPON	ENST00000297354.6
RUNX1T1	ENST00000523629.1
ZNF586	ENST00000396150.4
CAPRN2	ENST00000395805.2
C1orf226	ENST00000458626.2
ZNF75A	ENST00000574298.1
DSCAM	ENST00000400454.1
ZNF256	ENST00000598928.1
UBE2I	ENST00000355803.4
KLRC4	ENST00000309384.1
CPS1	ENST00000430249.2
RRP7A	ENST00000323013.6
GALNT13	ENST00000409237.1
PITPNA	ENST00000313486.7
RIPPLY3	ENST00000329553.2
PPP1R3E	ENST00000452015.4
FAM3A	ENST00000434658.2
C12orf60	ENST00000330828.2
PTPRG	ENST00000474889.1
ZBTB44	ENST00000525842.1
TET3	ENST00000409262.3
CLEC2D	ENST00000261340.7
GAN	ENST00000568107.2
WNT7B	ENST00000339464.4
EMX2	ENST00000442245.4
TMEM132B	ENST00000299308.3
HS6ST2	ENST00000370836.2
PHF8	ENST00000338946.6
FAM153A	ENST00000440605.3
PHF15	ENST00000402835.1
RBM44	ENST00000316997.4
BCL9	ENST00000234739.3
GPRC5B	ENST00000300571.2
SHOX2	ENST00000490689.2
OCRL	ENST00000371113.4
GPR37L1	ENST00000367282.5
STYK1	ENST00000075503.3
FOXC1	ENST00000380874.2
SLC16A4	ENST00000437429.2
SLC15A4	ENST00000266771.5
ZNF687	ENST00000368879.2
DDX19B	ENST00000288071.6
LSM12	ENST00000585388.1
TMX3	ENST00000299608.2

NXN	ENST00000575801.1
GPATCH8	ENST00000591680.1
PAIP2B	ENST00000244221.8
TRABD2A	ENST00000409133.1
CLCN4	ENST00000380833.4
KIAA1024L	ENST00000564719.1
ADH1B	ENST00000305046.8
KCNAB3	ENST00000303790.2
ARNTL	ENST00000389708.3
ANO3	ENST00000256737.3
CCR5	ENST00000292303.4
TDRD1	ENST00000251864.2
MFJ	ENST00000304593.9
EPM2A	ENST00000367519.3
NFATC2	ENST00000371564.3
CDKL2	ENST00000429927.2
AVPR1A	ENST00000299178.2
C11orf74	ENST00000534635.1
TIMM13	ENST00000215570.3
FAM96A	ENST00000557835.1
RAB23	ENST00000317483.3
RTN3	ENST00000339997.4
TTC13	ENST00000366661.4
UBE3B	ENST00000434735.2
P2RY1	ENST00000305097.3
SIPA1L3	ENST00000222345.6
CBFA2T2	ENST00000375279.2
TRIM71	ENST00000383763.5
SEMA4A	ENST00000368282.1
TMEM30B	ENST00000555868.1
RBAK	ENST00000396912.1
HLTF	ENST00000465259.1
SPATA13	ENST00000382108.3
JAZF1	ENST00000283928.5
A1CF	ENST00000374001.2
RAB15	ENST00000436278.2
IMPAD1	ENST00000262644.4
C2orf72	ENST00000373640.4
LRRD1	ENST00000343318.5
ACTR2	ENST00000260641.5
TMEM19	ENST00000266673.5
MUC1	ENST00000457295.2
ARHGEF9	ENST00000253401.6
PHACTR3	ENST00000359926.3
WDR31	ENST00000341761.4
RGS7BP	ENST00000334025.2
BTN3A3	ENST00000244519.2
TP53AIP1	ENST00000602346.1
AC079602.1	ENST00000539163.1
ENOSF1	ENST00000383578.3
SPOPL	ENST00000280098.4
MCAM	ENST00000392814.1
AS3MT	ENST00000369880.3
PGR	ENST00000325455.5

C11orf58	ENST00000228136.4
ZNF148	ENST00000360647.4
NCS1	ENST00000372398.3
SAMD8	ENST00000372687.4
CDYL	ENST00000343762.5
OXSR1	ENST00000311806.3
MED9	ENST00000268711.3
FKTN	ENST00000223528.2
ZCCHC16	ENST00000340433.2
ZNF320	ENST00000391781.2
SNX20	ENST00000330943.4
TBC1D22B	ENST00000373491.3
AGL	ENST00000370161.2
IKBKE	ENST00000367120.3
ADCK2	ENST00000072869.4
C21orf90	ENST00000354333.5
USP6NL	ENST00000609104.1
POMT1	ENST00000423007.1
CTDSPL2	ENST00000260327.4
ELL	ENST00000262809.4
HIPK2	ENST00000406875.3
CRB1	ENST00000367400.3
RPTOR	ENST00000306801.3
COPA	ENST00000368069.3
SWAP70	ENST00000318950.6
TMEM45B	ENST00000281441.3
LUZP1	ENST00000418342.1
SIGLEC11	ENST00000447370.2
PIGR	ENST00000356495.4
DUOXA1	ENST00000558996.1
HOXC12	ENST00000243103.3
HSD3B7	ENST00000353250.5
RGS16	ENST00000367558.5
DDHD2	ENST00000397166.2
PHF13	ENST00000377648.4
ADM2	ENST00000395738.2
CALD1	ENST00000361388.2
FZD2	ENST00000315323.3
SCUBE3	ENST00000274938.7
ATP6V1G1	ENST00000374050.3
CLCN5	ENST00000376088.3
SLFN5	ENST00000299977.4
SOGA3	ENST00000556132.1
CNTF	ENST00000361987.4
RABGAP1	ENST00000373647.4
BCL9L	ENST00000334801.3
EGLN1	ENST00000366641.3
VENTX	ENST00000325980.9
TP53I11	ENST00000395648.3
TAF4B	ENST00000269142.5
SLC39A13	ENST00000524928.1
FGFR2	ENST00000369061.4
STAG2	ENST00000371160.1
C15orf38	ENST00000357484.5

CANT1	ENST00000392446.5
PARP14	ENST00000474629.2
CMPK2	ENST00000256722.5
SEC61A2	ENST00000379020.4
OS9	ENST00000389142.5
RPS6KA6	ENST00000262752.2
CEP350	ENST00000367607.3
SOX5	ENST00000546136.1
KANSL1	ENST00000574590.1
GPR180	ENST00000376958.4
ADHFE1	ENST00000396623.3
EGFLAM	ENST00000322350.5
DDX11	ENST00000251758.5
CORO6	ENST00000388767.3
MPP6	ENST00000222644.5
CLIP3	ENST00000360535.4
PCSK7	ENST00000320934.3
KRT38	ENST00000246646.3
PLCD1	ENST00000463876.1
ABLIM1	ENST00000392952.3
PKDREJ	ENST00000253255.5
PAX8	ENST00000263335.7
RAD54L2	ENST00000409535.2
EARS2	ENST00000449606.1
SLC7A5	ENST00000565644.1
SGK494	ENST00000301037.5
FAM134C	ENST00000309428.5
ZC3H13	ENST00000242848.4
ADNP2	ENST00000262198.4
ZNF142	ENST00000449707.1
LIPH	ENST00000296252.4
OTUD6B	ENST00000285420.4
MFSD9	ENST00000258436.5
TTC14	ENST00000412756.2
HEXIM1	ENST00000332499.2
COA1	ENST00000395879.1
ZNF317	ENST00000247956.6
ARL5B	ENST00000377275.3
CDON	ENST00000392693.3
ZNF510	ENST00000375231.1
IKZF1	ENST00000331340.3
HIF1AN	ENST00000299163.6
C17orf103	ENST00000468196.1
KIF21B	ENST00000332129.2
ADRB3	ENST00000345060.3
CAPN6	ENST00000324068.1
ZNF621	ENST00000339296.5
MYBL1	ENST00000522677.3
LAMB4	ENST00000205386.4
CSNK1G2	ENST00000255641.8
IKBKG	ENST00000393549.2
C18orf63	ENST00000579455.1
ZNF534	ENST00000301085.4
MAVS	ENST00000428216.2

HEBP2	ENST00000607197.1
ANKRD52	ENST00000267116.7
FBXL20	ENST00000394294.3
WAPAL	ENST00000298767.5
OTUD3	ENST00000375120.3
KCTD12	ENST00000377474.2
SLC35C1	ENST00000314134.3
CHTOP	ENST00000368694.3
UGT3A1	ENST00000274278.3
MAFB	ENST00000373313.2
ZNF501	ENST00000396048.2
NLN	ENST00000380985.5
SRI	ENST00000265729.2
MROH6	ENST00000398882.3
CRAMP1L	ENST00000397412.3
ZNF678	ENST00000343776.5
ALG6	ENST00000371108.4
CCDC3	ENST00000378825.3
ZFYVE1	ENST00000318876.5
CDS1	ENST00000295887.5
GATA4	ENST00000335135.4
FAM131B	ENST00000443739.2
EIF4G2	ENST00000526148.1
ZNF512	ENST00000355467.4
MAU2	ENST00000262815.8
AP5B1	ENST00000532090.2
RBL1	ENST00000373664.3
ELOVL2	ENST00000354666.3
CYTH3	ENST00000350796.3
IGFBP5	ENST00000233813.4
C2CD4B	ENST00000380392.3
C1orf116	ENST00000359470.5
USP31	ENST00000219689.7
KIAA0355	ENST00000299505.6
HECTD3	ENST00000372168.3
LSM11	ENST00000286307.5
FOSL2	ENST00000379619.1
SLC16A2	ENST00000587091.1
ZNF268	ENST00000542986.2
AC016559.1	ENST00000594347.1
KIF24	ENST00000402558.2
KLHL18	ENST00000232766.5
RBM41	ENST00000372487.1
MED1	ENST00000300651.6
ATP11A	ENST00000487903.1
YBEY	ENST00000397701.4
PXDN	ENST00000252804.4
TAC01	ENST00000258975.6
MED22	ENST00000344469.5
FAM84B	ENST00000304916.3
C1orf95	ENST00000366788.3
RCOR1	ENST00000262241.6
BRI3BP	ENST00000341446.8
ST6GAL1	ENST00000169298.3

AARD	ENST00000378279.3
ARID4A	ENST00000431317.2
C17orf102	ENST00000357754.1
C19orf54	ENST00000470681.1
CXCR6	ENST00000304552.4
EIF4E3	ENST00000425534.3
TSGA10	ENST00000393483.3
TMEM108	ENST00000321871.6
TRRAP	ENST00000359863.4
MIOS	ENST00000340080.4
ZNF611	ENST00000543227.1
RIMS2	ENST00000507740.1
APOOL	ENST00000373173.2
RAD9A	ENST00000307980.2
CD22	ENST00000544992.2
RPL12	ENST00000361436.5
ZBTB21	ENST00000398505.3
TAF4	ENST00000252996.4
DIEXF	ENST00000491415.2
IDE	ENST00000265986.6
FAF1	ENST00000396153.2
DIABLO	ENST00000413918.1
C2orf54	ENST00000402775.2
ZNF526	ENST00000301215.3
EPB42	ENST00000300215.3
SLC25A34	ENST00000294454.5
GPATCH11	ENST00000409774.1
ZNF804B	ENST00000333190.4
C14orf177	ENST00000325812.2
NBPF12	ENST00000446760.2
NYNRIN	ENST00000382554.3
BSN	ENST00000296452.4
AOC3	ENST00000591562.1
C6orf141	ENST00000529246.2
GATAD2A	ENST00000360315.3
STXBP4	ENST00000376352.2
LIMD1	ENST00000273317.4
DLGAP4	ENST00000373913.3
USH2A	ENST00000307340.3
PRR20D	ENST00000452123.3
ZNF300	ENST00000427179.1
SLC6A14	ENST00000371900.4
LY6G5B	ENST00000375864.4
PRR20A	ENST00000377931.1
PRR20C	ENST00000544357.2
ZYG11B	ENST00000294353.6
PRR20E	ENST00000434815.1
GRAMD1C	ENST00000358160.4
PDE4A	ENST00000380702.2
PCDH17	ENST00000377918.3
ICOS	ENST00000435193.1
PRR20B	ENST00000377930.1
IFFO2	ENST00000455833.2
PAPD7	ENST00000230859.6

N4BP1	ENST00000262384.3
UBA6	ENST00000322244.5
OLFM4	ENST00000219022.2
INO80	ENST00000361937.3
PODXL	ENST00000541194.1
C12orf66	ENST00000544871.1
TUBB4A	ENST00000264071.2
LPPR4	ENST00000370185.3
SYTL5	ENST00000357972.5
AR	ENST00000374690.3
NBPF11	ENST00000604938.1
PPFIA2	ENST00000549396.1
TLK1	ENST00000431350.2
FOXK1	ENST00000328914.4
FAM212B	ENST00000357260.5
ZFYVE16	ENST00000338008.5
ABHD17A	ENST00000590661.1
DNAJC10	ENST00000264065.7
MED13L	ENST00000281928.3
MS4A15	ENST00000337911.4
ISLR	ENST00000249842.3
SLC4A5	ENST00000423644.1
FAM216B	ENST00000537894.1
ALOXE3	ENST00000380149.1
ALPK3	ENST00000258888.5
MEF2A	ENST00000354410.5
TMEM245	ENST00000374586.3
F9	ENST00000218099.2
ATXN7L3	ENST00000454077.2
LCN10	ENST00000497771.1
SCCPDH	ENST00000366510.3
FAM199X	ENST00000493442.1
SHE	ENST00000304760.2
VKORC1L1	ENST00000360768.3
SERTAD1	ENST00000357949.4
PACS1	ENST00000320580.4
DLX2	ENST00000234198.4
TNFSF15	ENST00000374045.4
CHRN4	ENST00000261751.3
KIAA0247	ENST00000342745.4
EDNRB	ENST00000377211.4
NBPF1	ENST00000430580.2
SERAC1	ENST00000367102.2
SLC9A7	ENST00000328306.4
MGAT4A	ENST00000264968.3
ALDH3A2	ENST00000339618.4
DDA1	ENST00000359866.4
GUCY1A2	ENST00000526355.2
SLC7A6OS	ENST00000263997.6
FAM129A	ENST00000367511.3
C22orf39	ENST00000399562.4
KHSRP	ENST00000398148.3
DCT	ENST00000377028.5
TNXB	ENST00000375244.3

RBM48	ENST00000481551.1
MEOX1	ENST00000329168.3
DPY19L1	ENST00000310974.4
PIGK	ENST00000370812.3
LRRC3	ENST00000291592.4
FAM169A	ENST00000380515.3
ZNF35	ENST00000396056.2
C19orf25	ENST00000588849.1
DMGDH	ENST00000380311.4
CSTF1	ENST00000217109.4
TIMP4	ENST00000287814.4
RNGTT	ENST00000369485.4
CDC25C	ENST00000323760.6
PCDHGA11	ENST00000398587.2
PCDHGB6	ENST00000520790.1
RXRB	ENST00000374685.4
PTPRS	ENST00000372412.4
KANSL1L	ENST00000281772.9
CTD-2368P22.1	ENST00000550135.1
PCDHGB7	ENST00000398594.2
PCDHGA4	ENST00000571252.1
ZPLD1	ENST00000306176.1
PIM2	ENST00000376509.4
HCAR2	ENST00000328880.5
TTBK2	ENST00000267890.6
CASC3	ENST00000264645.7
PCDHGB2	ENST00000522605.1
IL17D	ENST00000304920.3
SLC01A2	ENST00000307378.6
GDPD5	ENST00000443276.2
CLIP2	ENST00000223398.6
PCDHGA1	ENST00000517417.1
PCDHGB3	ENST00000576222.1
MED13	ENST00000397786.2
PCDHGB4	ENST00000519479.1
PCDHGA5	ENST00000518069.1
PCDHGB1	ENST00000523390.1
TOLLIP	ENST00000317204.6
MASP1	ENST00000296280.6
MED20	ENST00000409312.1
PCF11	ENST00000298281.4
FBX042	ENST00000375592.3
CTD-2207023.12	ENST00000599312.1
CDK5R1	ENST00000313401.3
SKIL	ENST00000458537.3
SLC8A1	ENST00000406785.2
PPARGC1B	ENST00000309241.5
KMT2A	ENST00000534358.1
NF2	ENST00000347330.5
PCDHGA3	ENST00000253812.6
TRAF1	ENST00000373887.3
PCDHGC3	ENST00000308177.3
AC174470.1	ENST00000457257.1
PCDHGA12	ENST00000252085.3

PCDHGA6	ENST00000517434.1
RIN2	ENST00000255006.6
PDGFRA	ENST00000257290.5
CNGB3	ENST00000320005.5
CCDC85A	ENST00000407595.2
MTA2	ENST00000278823.2
MVB12B	ENST00000361171.3
UBE3C	ENST00000348165.5
PCDHGA9	ENST00000573521.1
PARP16	ENST00000261888.6
PCDHGA7	ENST00000518325.1
PCDHGA2	ENST00000394576.2
TADA3	ENST00000301964.2
PCDHGA8	ENST00000398604.2
LGI3	ENST00000306317.2
PATL1	ENST00000300146.9
SLC35A3	ENST00000465289.1
DPP8	ENST00000341861.5
CBLB	ENST00000264122.4
SCUBE2	ENST00000457346.2
GINS4	ENST00000523277.2
TTC9C	ENST00000316461.4
HLA-DOB	ENST00000438763.2
SPSB1	ENST00000328089.6
RBM23	ENST00000555209.1
ENSA	ENST00000369014.5
PPP1R7	ENST00000234038.6
TLX2	ENST00000233638.7
PCDHGA10	ENST00000398610.2
RALGPS2	ENST00000367635.3
MFAP2	ENST00000375534.3
JPH3	ENST00000284262.2
RGAG4	ENST00000545866.1
PCDHGC4	ENST00000306593.1
PCDHGC5	ENST00000252087.1
ENTPD3	ENST00000301825.3
CXADR	ENST00000356275.6
FBXW8	ENST00000455858.2
STRIP1	ENST00000369795.3
DCTN5	ENST00000300087.2
SALL4	ENST00000217086.4
AP000867.1	ENST00000343767.3
HLA-DPA1	ENST00000419277.1
C9orf66	ENST00000382387.2
TXLNA	ENST00000373610.3
ENDOD1	ENST00000278505.4
DUSP2	ENST00000288943.4
AFAP1L1	ENST00000296721.4
CLMN	ENST00000298912.4
MMAA	ENST00000281317.5
AFF2	ENST00000370460.2
VTI1A	ENST00000393077.2
CALCOCO2	ENST00000258947.3
CHD4	ENST00000544484.1

YKT6	ENST00000223369.2
HCAR3	ENST00000528880.2
TUSC5	ENST00000333813.3
CDCA7L	ENST00000356195.5
SLC26A9	ENST00000367135.3
ANO1	ENST00000355303.5
IFNE	ENST00000448696.3
RPS17L	ENST00000561157.1
RPS17	ENST00000559187.1
GGA1	ENST00000343632.4
SRRD	ENST00000215917.7
DPYSL3	ENST00000398514.3
ANTXR2	ENST00000403729.2
ZNF28	ENST00000438150.2
ZFP37	ENST00000374227.3
DLG3	ENST00000194900.4
TBX18	ENST00000369663.5
COX6B1	ENST00000246554.3
SRGAP1	ENST00000355086.3
FBLN5	ENST00000267620.10
ZMYM2	ENST00000382869.3
PTCD2	ENST00000380639.5
SHROOM4	ENST00000376020.2
AQP7	ENST00000537089.1
SV2B	ENST00000394232.1
APH1A	ENST00000360244.4
EFTUD2	ENST00000426333.2
ACER1	ENST00000301452.4
UNC80	ENST00000439458.1
BPHL	ENST00000380368.2
ZNF467	ENST00000302017.3
TRADD	ENST00000345057.4
ARMC5	ENST00000457010.2
PRELP	ENST00000343110.2
AP2M1	ENST00000382456.3
TNNI1	ENST00000361379.4
UACA	ENST00000322954.6
ENTPD5	ENST00000334696.6
DBNL	ENST00000494774.1
SEPT11	ENST00000264893.6
SMIM13	ENST00000416247.2
FAM111B	ENST00000411426.1
CX3CL1	ENST0000006053.6
PPP3R1	ENST00000234310.3
IRAK1BP1	ENST00000369940.2
KLHL7	ENST00000339077.5
SUFU	ENST00000369902.3
CES2	ENST00000317091.4
GEN1	ENST00000381254.2
VAMP7	ENST00000286448.6
IPO9	ENST00000361565.4
CNOT6	ENST00000393356.1
ITGA9	ENST00000264741.5
DAAM2	ENST00000538976.1

NUMA1	ENST00000351960.6
PIPOX	ENST00000323372.4
SRRM4	ENST00000267260.4
H2AFV	ENST00000381124.5
H6PD	ENST00000377403.2
DDX18	ENST00000263239.2
C17orf72	ENST00000580752.1
TTC39A	ENST00000530004.1
SETBP1	ENST00000282030.5
YIPF4	ENST00000238831.4
KIAA1958	ENST00000337530.6
LONRF3	ENST00000304778.7
NOL12	ENST00000359114.4
FAM196B	ENST00000377365.3
G3BP1	ENST00000394123.3
COL9A2	ENST00000372748.3
PRKG1	ENST00000373985.1
MYOCD	ENST00000425538.1
ZNF609	ENST00000326648.3
SEZ6L	ENST00000360929.3
CAND2	ENST00000456430.2
AC010327.2	ENST00000598855.1
GGPS1	ENST00000282841.5
GABRE	ENST00000370325.1
ARPP19	ENST00000566423.1
TNPO2	ENST00000425528.1
RNF115	ENST00000369291.5
TBRG1	ENST00000441174.3
PHLDB1	ENST00000361417.2
PARP8	ENST00000503750.2
PRICKLE1	ENST00000455697.1
CLCC1	ENST00000356970.2
NAV2	ENST00000360655.4
RELA	ENST00000525693.1
CNTLN	ENST00000380641.4
NDC1	ENST00000540001.1
ZFH3	ENST00000268489.5
NLRP10	ENST00000328600.2
PROSER2	ENST00000277570.5
C14orf119	ENST00000319074.4
TMTC3	ENST00000266712.6
METTL20	ENST00000357721.3
WNT2	ENST00000265441.3
LRRC38	ENST00000376085.3
ANO5	ENST00000324559.8
TMEM86A	ENST00000280734.2
BBC3	ENST00000341983.4
MT1A	ENST00000290705.8
SRSF10	ENST00000343255.5
PDRG1	ENST00000202017.4
ZDHHC20	ENST00000320220.9
FMNL3	ENST00000335154.5
LGALS3BP	ENST00000591778.1
SP2	ENST00000376741.4

ABCF2	ENST00000287844.2
DNM1L	ENST00000452533.2
PRKD3	ENST00000379066.1
RNF40	ENST00000324685.6
RPGRIP1L	ENST00000262135.4
HDAC4	ENST00000345617.3
C11orf48	ENST00000354588.3
KIF5C	ENST00000435030.1
SHOX	ENST00000381578.1
CDRT4	ENST00000312177.6
EIF4B	ENST00000262056.9
MBD3	ENST00000590550.2
TCF4	ENST00000354452.3
BCLAF1	ENST00000531224.1
VPS53	ENST00000437048.2
PBX1	ENST00000367897.1
GRWD1	ENST00000253237.5
BET1L	ENST00000325147.9
CTD-2140B24.4	ENST00000540096.2
PEX26	ENST00000329627.7
TMEM65	ENST00000297632.6
QTRTD1	ENST00000281273.4
TOR1B	ENST00000259339.2
MB21D2	ENST00000392452.2
EOGT	ENST00000383701.3
PTK6	ENST00000217185.2
SCAI	ENST00000336505.6
RNF220	ENST00000372247.2
PRDM15	ENST00000422911.1
HHAT	ENST00000413764.2
ADAT2	ENST00000606514.1
ZBTB39	ENST00000300101.2
SPATA18	ENST00000295213.4
KIAA1257	ENST00000265068.5
ZBTB43	ENST00000449886.1
KDM8	ENST00000380948.2
TRPM6	ENST00000360774.1
CDCP2	ENST00000371330.1
PLEKHA6	ENST00000272203.3
PIGO	ENST00000298004.5
FBX048	ENST00000377957.3
GATAD2B	ENST00000368655.4
NRG2	ENST00000394770.1
FAM102A	ENST00000373095.1
UTRN	ENST00000367545.3
BTBD7	ENST00000334746.5
ZDHHC3	ENST00000296127.3
HOXA13	ENST00000222753.4
GRB10	ENST00000398812.2
SNX8	ENST00000222990.3
CD28	ENST00000324106.8
PSMG1	ENST00000331573.3
DTX3L	ENST00000296161.4
FIGN	ENST00000333129.3

NUP35	ENST00000295119.4
SERINC2	ENST00000373709.3
BIRC3	ENST00000532808.1
SEMA6D	ENST00000355997.3
SLC34A2	ENST00000382051.3
C10orf105	ENST00000441508.2
KIAA1045	ENST00000242315.3
SMUG1	ENST00000505128.1
PAN3	ENST00000282391.5
DPPA3	ENST00000345088.2
NEMF	ENST00000298310.5
ZDHHC2	ENST00000262096.8
ZBTB8B	ENST00000609129.1
ZNF451	ENST00000370708.4
CCDC80	ENST00000206423.3
FOXB1	ENST00000396057.4
ADAMTS5	ENST00000284987.5
AMD1	ENST00000368885.3
ZBTB6	ENST00000373659.3
USP37	ENST00000258399.3
SLC46A1	ENST00000440501.1
RASSF5	ENST00000367117.3
BAIAP3	ENST00000397488.2
CMTR1	ENST00000373451.4
RAD23B	ENST00000358015.3
PRELID2	ENST00000334744.4
FAM122A	ENST00000394264.3
PLSCR1	ENST00000342435.4
SYDE2	ENST00000341460.5
NFIC	ENST00000346156.5
ZNF516	ENST00000443185.2
BCKDHB	ENST00000545529.1
FBX046	ENST00000317683.3
KRTAP4-9	ENST00000391415.1
DUSP3	ENST00000226004.3
MBP	ENST00000397863.1
FAM63B	ENST00000559228.1
PIEZO2	ENST00000302079.6
RP11-863K10.7	ENST00000330539.1
CPEB2	ENST00000538197.1
SEMA3D	ENST00000284136.6
ID4	ENST00000378700.3
MBOAT2	ENST00000305997.3
CREB1	ENST00000432329.2
CACNA1G	ENST00000352832.5
FBXL4	ENST00000369244.2
NCEH1	ENST00000475381.1
POGZ	ENST00000392723.1
UBR2	ENST00000372883.3
SERTAD4	ENST00000367012.3
KLF8	ENST00000468660.1
ASCC1	ENST00000342444.4
SHROOM2	ENST00000380913.3
PRKCA	ENST00000413366.3

ZNF532	ENST00000336078.4
MAP1B	ENST00000296755.7
TACR1	ENST00000305249.5
SIRPB2	ENST00000359801.3
TSPAN1	ENST00000372003.1
KIAA1009	ENST00000257766.4
HPCAL4	ENST00000372844.3
DPY19L3	ENST00000586987.1
UHRF1BP1	ENST00000192788.5
OGFOD3	ENST00000329197.5
SIX5	ENST00000560168.1
LSAMP	ENST00000490035.2
TSPAN2	ENST00000369516.2
GJC1	ENST00000426548.1
ZNF845	ENST00000458035.1
CHSY3	ENST00000305031.4
POU2F2	ENST00000342301.4
ANKRD42	ENST00000393389.3
ELMOD3	ENST00000315658.7
PARP9	ENST00000477522.2
MYPN	ENST00000358913.5
KIAA1199	ENST00000220244.3
ANKRD10	ENST00000375758.5
BCORL1	ENST00000540052.1
AMPD3	ENST00000444303.2
C2	ENST00000299367.5
NXF1	ENST00000531709.2
GAB4	ENST00000400588.1
DEPDC5	ENST00000382105.2
TUB	ENST00000305253.4
NIPSNAP3B	ENST00000374762.3
RBM3	ENST00000354480.2
ITGA6	ENST00000375221.2
GDPGP1	ENST00000558017.1
ING5	ENST00000313552.6
SLC25A44	ENST00000359511.4
FAM168B	ENST00000409185.1
CBX6	ENST00000407418.3
ATPAF1	ENST00000576409.1
MRPL19	ENST00000393909.2
SMAD5	ENST00000545279.1
DCPS	ENST00000263579.4
RPRD2	ENST00000539519.1
IRGQ	ENST00000422989.1
SLC30A6	ENST00000282587.5
SDAD1	ENST00000356260.5
ZNF285	ENST00000330997.4
CDK19	ENST00000368911.3
ZNF287	ENST00000395824.1
ARNT	ENST00000358595.5
DDX46	ENST00000452510.2
CERS3	ENST00000284382.4
SIDT1	ENST00000264852.4
SHISA7	ENST00000376325.4

ZNF831	ENST00000371030.2
RIMS1	ENST00000348717.5
BEND3	ENST00000369042.1
WDR52	ENST00000393845.2
PREX1	ENST00000396220.1
SFMBT2	ENST00000361972.4
PDZD2	ENST00000438447.1
HTR7	ENST00000371719.2
PCLO	ENST00000333891.9
LZTS1	ENST00000381569.1
DIP2B	ENST00000301180.5
TANK	ENST00000457476.1
BLOC1S4	ENST00000320776.3
ARID3A	ENST00000263620.3
KCNMB3	ENST00000497599.1
PAFAH1B2	ENST00000527958.1
EIF2S2	ENST00000374980.2
FMN1	ENST00000334528.9
COLGALT1	ENST00000252599.4
ZNF605	ENST00000360187.4
HOMEZ	ENST00000357460.5
HIPK1	ENST00000369558.1
ARHGAP39	ENST00000377307.2
PRRT4	ENST00000489835.2
PIRT	ENST00000580256.2
KDM5C	ENST00000375401.3
SDK2	ENST00000392650.3
DENND4B	ENST00000361217.4
ST6GALNAC6	ENST00000373146.1
GMIP	ENST00000203556.4
ZNF652	ENST00000362063.2
ADH5	ENST00000296412.8
DIO2	ENST00000438257.4
LZTFL1	ENST00000539217.1
ANGEL1	ENST00000251089.2
RREB1	ENST00000379938.2
GLUL	ENST00000331872.6
HECW2	ENST00000260983.3
NKTR	ENST00000232978.8
NACC2	ENST00000371753.1
RAB5C	ENST00000346213.4
PIKFYVE	ENST00000264380.4
TADA2A	ENST00000394395.2
NACC1	ENST00000292431.4
ELK3	ENST00000228741.3
PVRL1	ENST00000264025.3
AC132186.1	ENST00000544589.1
VAV2	ENST00000406606.3
ASXL2	ENST00000435504.4
MC2R	ENST00000327606.3
NPAS3	ENST00000346562.2
KIFC3	ENST00000465878.2
PUM2	ENST00000338086.5
GGCX	ENST00000233838.4

NAA50	ENST00000240922.3
RHEB	ENST00000262187.5
CHEK1	ENST00000534070.1
ABCA5	ENST00000392676.3
ARIH2	ENST00000356401.4
GBP2	ENST00000370466.3
PIP4K2C	ENST00000354947.5
HOXB6	ENST00000484302.2
WNT9B	ENST00000290015.2
PTCHD4	ENST00000339488.4
TPCN2	ENST00000294309.3
DUXA	ENST00000554048.2
DUSP7	ENST00000495880.1
DNAJC28	ENST00000381947.3
TRPC1	ENST00000273482.6
AKR1C2	ENST00000380753.4
HOXC13	ENST00000243056.3
SPTBN5	ENST00000320955.6
CCDC120	ENST00000376396.3
PAX5	ENST00000358127.4
DPP10	ENST00000410059.1
KIAA1524	ENST00000295746.8
COL3A1	ENST00000304636.3
TOB2	ENST00000327492.3
HEMK1	ENST00000232854.4
EDARADD	ENST00000359362.5
PRPF40A	ENST00000410080.1
C12orf23	ENST00000548125.1
SSPN	ENST00000242729.2
CASC10	ENST00000377113.5
IRS1	ENST00000305123.5
ABI2	ENST00000295851.5
AKAP13	ENST00000394518.2
TRIM46	ENST00000392451.2
RAVER1	ENST00000293677.6
UBE2Z	ENST00000360943.5
PER3	ENST00000377532.3
MCC	ENST00000302475.4
KBTBD8	ENST00000295568.4
RSAD1	ENST00000258955.2
AADACL3	ENST00000332530.3
STK36	ENST00000295709.3
U2AF2	ENST00000450554.2
PPIL2	ENST00000406385.1
PDE11A	ENST00000286063.6
TEF	ENST00000266304.4
MAPKAPK3	ENST00000446044.1
MPPED1	ENST00000417669.2
MOCOS	ENST00000261326.5
TP53INP1	ENST00000448464.2
C3orf70	ENST00000335012.2
NCLN	ENST00000246117.4
WDR59	ENST00000262144.6
MED29	ENST00000315588.5

C20orf144	ENST00000375222.3
SNX30	ENST00000374232.3
PSD4	ENST00000441564.3
STAT3	ENST00000585517.1
HEYL	ENST00000372852.3
KCNIP2	ENST00000348850.5
FMNL2	ENST00000475377.2
CSNK2B-LY6G5B-1181	ENST00000375880.2
NUFIP2	ENST00000225388.4
TNS1	ENST00000171887.4
SCN2A	ENST00000375437.2
CDYL2	ENST00000570137.2
FAM110B	ENST00000361488.3
ATP6V1C1	ENST00000395862.3
MAT2A	ENST00000306434.3
SCG3	ENST00000220478.3
PCSK1	ENST00000311106.3
PDE4DIP	ENST00000369345.4
TBC1D30	ENST00000542120.1
AGA	ENST00000264595.2
KMT2D	ENST00000301067.7
LZIC	ENST00000377223.1
ABL2	ENST00000502732.1
ZBED1	ENST00000381223.4
SLC6A5	ENST00000525748.1
ERCC6	ENST00000355832.5
CYC1	ENST00000318911.4
FLYWCH1	ENST00000253928.9
HS3ST3B1	ENST00000360954.2
CA7	ENST00000394069.3
NAPB	ENST00000377026.4
DCUN1D1	ENST00000292782.4
SLA2	ENST00000262866.4
ST8SIA3	ENST00000324000.3
ACVR2B	ENST00000352511.4
ZBTB7A	ENST00000322357.4
TEAD2	ENST00000598810.1
PSEN1	ENST00000344094.3
TNKS	ENST00000310430.6
NHLRC2	ENST00000369301.3
TIAF1	ENST00000408971.2
ARHGAP17	ENST00000441763.2
HTR1D	ENST00000374619.1
GOLT1B	ENST00000540141.1
MLLT6	ENST00000325718.7
FAM78A	ENST00000372269.3
C17orf85	ENST00000158149.3
SOX6	ENST00000316399.6
P2RX5	ENST00000551178.1
ZBED4	ENST00000216268.5
ZNF70	ENST00000341976.3
NLRP5	ENST00000390649.3
FARSA	ENST00000588025.1
TDRP	ENST00000324079.6

SYNGR1	ENST00000328933.5
TMEM55A	ENST00000285419.3
EDA2R	ENST00000374719.3
LPGAT1	ENST00000366997.4
ELF4	ENST00000335997.7
SV2A	ENST00000369146.3
TBC1D10C	ENST00000526387.1
AMOT	ENST00000304758.1
FIBIN	ENST00000318627.2
ZNF484	ENST00000395505.2
TFAP2B	ENST00000393655.3
HNMT	ENST00000280097.3
HGSNAT	ENST00000379644.4
TUBB4B	ENST00000340384.4
CERS6	ENST00000305747.6
GAB1	ENST00000262995.4
ARSB	ENST00000264914.4
CPM	ENST00000551568.1
ATP10D	ENST00000273859.3
ANK2	ENST00000357077.4
GPR75	ENST00000394705.2
EREG	ENST00000244869.2
AGO4	ENST00000373210.3
TRIM26	ENST00000437089.1
FAM117A	ENST00000240364.2
HAUS6	ENST00000380502.3
ARHGAP32	ENST00000524655.1
PPFIA4	ENST00000447715.2
SALL2	ENST00000327430.3
ANXA11	ENST00000372231.3
IL17RD	ENST00000296318.7
RGS10	ENST00000392865.1
BBX	ENST00000415149.2
AP5M1	ENST00000261558.3
TCEB1	ENST00000518127.1
EFR3B	ENST00000403714.3
RP11-664D7.4	ENST00000512294.3
AIMP1	ENST00000394701.4
AP5S1	ENST00000379573.2
KLHL38	ENST00000325995.7
ZNRF1	ENST00000335325.4
SLC12A5	ENST00000243964.3
ATP1B2	ENST00000250111.4
TMEM255A	ENST00000309720.5
ZC3H12B	ENST00000338957.4
MAP2K6	ENST00000590474.1
CYP27B1	ENST00000228606.4
YTHDF3	ENST00000539294.1
MLX	ENST00000435881.2
GXYLT2	ENST00000389617.4
GINS2	ENST00000253462.3
FBX041	ENST00000295133.5
METTL2B	ENST00000480046.1
GNPDA2	ENST00000509756.1

ZNF799	ENST00000419318.1
MAP9	ENST00000311277.4
ANKRD40	ENST00000285243.6
MLH3	ENST00000355774.2
TDRD6	ENST00000544460.1
NUTF2	ENST00000219169.4
C6orf89	ENST00000480824.2
SARM1	ENST00000457710.3
SSNA1	ENST00000322310.5
ZCCHC24	ENST00000372336.3
FBRSL1	ENST00000434748.2
KCTD15	ENST00000284006.6
RASGEF1A	ENST00000374459.1
C3orf14	ENST00000494481.1
SAR1B	ENST00000402673.2
KBTBD11	ENST00000320248.3
TTBK1	ENST00000259750.4
MGAT3	ENST00000341184.6
TBC1D2B	ENST00000409931.3
KIF3C	ENST00000264712.3
ZNF862	ENST00000223210.4
DLGAP2	ENST00000421627.2
GPLD1	ENST00000230036.1
TIFAB	ENST00000537858.1
HYOU1	ENST00000404233.3
C8orf86	ENST00000358138.1
PTGER3	ENST00000370924.4
TMEM151A	ENST00000327259.4
ATRNL1	ENST00000355044.3
AGFG2	ENST00000262935.4
PER2	ENST00000254658.3
CATSPERG	ENST00000215069.4
MN1	ENST00000302326.4
FLJ14816	ENST00000593290.1
C2CD2	ENST00000329623.7
ONECUT3	ENST00000382349.4
UNC5B	ENST00000335350.6
RPS14	ENST00000401695.3
CYP4F22	ENST00000269703.3
CALHM1	ENST00000329905.5
FAIM2	ENST00000320634.3
SYT9	ENST00000318881.6
ZFYVE26	ENST00000347230.4
KCNC3	ENST00000376959.2
SLC25A36	ENST00000446041.2
RASSF9	ENST00000361228.3
FBXW2	ENST00000608872.1
CCDC47	ENST00000225726.5
KDM5B	ENST00000367265.3
ERBB2	ENST00000584450.1
USP10	ENST00000219473.7
GID4	ENST00000268719.4
ERC1	ENST00000355446.5
CPSF4L	ENST00000344935.4

CHDH	ENST00000315251.6
DNAJC5	ENST00000360864.4
IVNS1ABP	ENST00000367498.3
RNF8	ENST00000373479.4
FNBP1	ENST00000355681.3
DMD	ENST00000378677.2
CADM3	ENST00000368125.4
TVP23C-CDRT4	ENST00000522212.2
FAM179B	ENST00000382233.2
AL590822.1	ENST00000545087.1
ZNF331	ENST00000253144.9
C10orf126	ENST00000375520.1
AFAP1	ENST00000360265.4
TTC7A	ENST00000319190.5
TSC1	ENST00000298552.3
IPO11	ENST00000409534.1
MYSM1	ENST00000472487.1
SAP30	ENST00000296504.3
TAB1	ENST00000216160.6
PPP2R3A	ENST00000264977.3
INCENP	ENST00000394818.3
DUSP22	ENST00000419235.2
FAM172A	ENST00000395965.3
MRVI1	ENST00000421747.1
BRPF3	ENST00000534400.1
SIM1	ENST00000369208.3
LACE1	ENST00000368977.4
DHX36	ENST00000496811.1
CCDC6	ENST00000263102.6
AGAP1	ENST00000304032.8
TBL1X	ENST00000407597.2
ZBTB8A	ENST00000316459.4
NOTCH2	ENST00000256646.2
ICOSLG	ENST00000407780.3
RAD18	ENST00000264926.2
ZNF426	ENST00000253115.2
EGFR	ENST00000275493.2
VIPR2	ENST00000262178.2
TMEM81	ENST00000367167.3
ZNF730	ENST00000593635.1
MIER2	ENST00000264819.4
ILDR2	ENST00000469934.2
ITGAM	ENST00000544665.3
TPCN1	ENST00000335509.6
MACROD2	ENST00000217246.4
CHST15	ENST00000346248.5
GOLGA3	ENST00000204726.3
FANCC	ENST00000289081.3
COPZ1	ENST00000551779.1
FBXO30	ENST00000237281.4
STC1	ENST00000290271.2
CHD9	ENST00000566029.1
PTPRE	ENST00000254667.3
EFCAB11	ENST00000316738.7

PDPR	ENST00000568530.1
ANO10	ENST00000414522.2
ZNF24	ENST00000589881.1
GRAMD3	ENST00000285689.3
PDZD4	ENST00000164640.4
ZNF346	ENST00000503039.1
TTYH1	ENST00000301194.4
SEC61A1	ENST00000243253.3
ARSG	ENST00000448504.2
SOX1	ENST00000330949.1
GRIA1	ENST00000285900.5
AIG1	ENST00000357847.4
MINA	ENST00000333396.7
CSF3R	ENST00000373106.1
TWISTNB	ENST00000222567.5
C4orf46	ENST00000508457.1
SPATA5	ENST00000274008.4
PLCG1	ENST00000244007.3
MARK4	ENST00000300843.4
ZBTB40	ENST00000404138.1
GPCPD1	ENST00000379019.4
JAKMIP2	ENST00000507386.1
FBXL7	ENST00000504595.1
DLEU1	ENST00000378180.4
KCNS1	ENST00000306117.1
FAM109B	ENST00000321753.3
TSPAN9	ENST00000537971.1
RBP2	ENST00000232217.2
ARHGAP44	ENST00000262444.9
GALNT7	ENST00000265000.4
NSD1	ENST00000439151.2
DUSP4	ENST00000240100.2
TBCK	ENST00000273980.5
SELPLG	ENST00000388962.3
GPR156	ENST00000464295.1
GAS7	ENST00000437099.2
NUCB2	ENST00000529010.1
AKAP6	ENST00000557272.1
PORCN	ENST00000355961.4
GRM5	ENST00000418177.2
RBM5	ENST00000347869.3
BEST3	ENST00000488961.1
GPR176	ENST00000299092.3
ARHGAP33	ENST00000378944.5
RICTOR	ENST00000357387.3
BLK	ENST00000259089.4
NRXN3	ENST00000281127.7
TPRA1	ENST00000296210.7
AHRR	ENST00000316418.5
ARHGEF5	ENST00000056217.5
TBC1D19	ENST00000264866.4
PAWR	ENST00000328827.4
RAP1A	ENST00000369709.3
SLC22A23	ENST00000436008.2

MRE11A	ENST00000323929.3
TEP1	ENST00000262715.5
TAF9B	ENST00000341864.5
DNALI1	ENST00000296218.7
TSHZ2	ENST00000371497.5
PLEKH01	ENST00000369124.4
NKX3-2	ENST00000382438.5
PIK3C3	ENST00000262039.4
SETD5	ENST00000402198.1
ORC4	ENST00000392857.5
BNIP2	ENST00000267859.3
ISPD	ENST00000407010.2
C2CD4C	ENST00000332235.6
PDE8A	ENST00000310298.4
OPALIN	ENST00000371172.3
ZNF701	ENST00000540331.1
RSPRY1	ENST00000394420.4
FZD1	ENST00000287934.2
SPOCK2	ENST00000373109.2
ACAP2	ENST00000326793.6
WRN	ENST00000298139.5
CLPB	ENST00000294053.3
SMARCC2	ENST00000394023.3
AGPAT4	ENST00000366911.5
ZNF626	ENST00000291750.6
MDH1B	ENST00000374412.3
MSI2	ENST00000284073.2
ARSI	ENST00000328668.7
ENY2	ENST00000520147.1
SLC20A1	ENST00000272542.3
FBXL19	ENST00000338343.4
PHTF2	ENST00000416283.2
KATNAL1	ENST00000380615.3
ANKRD33B	ENST00000296657.5
RRAGD	ENST00000369415.4
RERE	ENST00000337907.3
WWC1	ENST00000265293.4
TTL	ENST00000233336.6
AGR2	ENST00000419304.2
NDFIP2	ENST00000218652.7
MTPAP	ENST00000263063.4
FAM110A	ENST00000381941.3
HS3ST1	ENST0000002596.5
HIP1	ENST00000336926.6
ARID5B	ENST00000279873.7
BCAM	ENST00000270233.6
KIAA0232	ENST00000425103.1
SLC35D1	ENST00000235345.5
PLXNC1	ENST00000258526.4
COL5A3	ENST00000264828.3
KBTBD12	ENST00000405256.1
GRIN3A	ENST00000361820.3
SLITRK4	ENST00000381779.4
RND2	ENST00000544533.1

RP11-268J15.5	ENST00000373137.2
CLMP	ENST00000448775.2
ZWILCH	ENST00000307897.5
SLC25A21	ENST00000331299.5
SEMA3E	ENST00000307792.3
HECW1	ENST00000395891.2
STEAP3	ENST00000409811.1
LNPEP	ENST00000231368.5
AMN	ENST00000299155.5
TAF1C	ENST00000341690.6
ZNF155	ENST00000270014.2
PRDM16	ENST00000511072.1
RAD51D	ENST00000345365.6
MARVELD2	ENST00000325631.5
WIZ	ENST00000389282.4
ONECUT1	ENST00000560699.2
ARRB1	ENST00000420843.2
ZNF592	ENST00000299927.3
RAD1	ENST00000382038.2
TFDP2	ENST00000499676.2
MYO1E	ENST00000288235.4
MRPL4	ENST00000590669.1
KREMEN1	ENST00000400335.4
KLHL29	ENST00000486442.1
SCN4A	ENST00000578147.1
HAS3	ENST00000306560.1
GPR116	ENST00000283296.7
GJD3	ENST00000578689.1
USP2	ENST00000455332.2
LARP1	ENST00000336314.4
TMEM181	ENST00000367090.3
PARN	ENST00000437198.2
NRBP2	ENST00000442628.2
UNC45B	ENST00000268876.5
CHD2	ENST00000394196.4
PCSK2	ENST00000377899.1
ZNF646	ENST00000394979.2
MAP4	ENST00000383737.4
STOX2	ENST00000308497.4
ROCK1	ENST00000399799.2
ZBTB4	ENST00000380599.4
ZDBF2	ENST00000374423.3
CHD6	ENST00000373233.3
TRIM33	ENST00000358465.2
AHNAK	ENST00000378024.4
FEM1A	ENST00000269856.3
PPP1R16B	ENST00000299824.1
SCRT1	ENST00000332135.4
LARGE	ENST00000354992.2
COL8A2	ENST00000303143.4
PTAFR	ENST00000373857.3
MGAT5	ENST00000409645.1
PPP2R5A	ENST00000261461.2
MARCH9	ENST00000266643.5

DOCK5	ENST00000276440.7
RPS6KA2	ENST00000265678.4
TMEM237	ENST00000409444.2
PSKH1	ENST00000291041.5
ZMAT3	ENST00000311417.2
SYAP1	ENST00000380155.3
PANK3	ENST00000239231.6
HFE	ENST00000357618.5
MASTL	ENST00000342386.6
RMND5B	ENST00000515098.1
RIMS3	ENST00000372684.3
ATP6V1E1	ENST00000253413.5
SLC16A10	ENST00000368850.3
RABIF	ENST00000367262.3
NCR3LG1	ENST00000338965.4
MRPS16	ENST00000372945.3
TFCP2L1	ENST00000263707.5
PTRHD1	ENST00000328379.5
SOS1	ENST00000426016.1
ARL10	ENST00000310389.5
MRRF	ENST00000344641.3
GRAMD2	ENST00000309731.7
NAT9	ENST00000357814.3
COPS7B	ENST00000373608.3
ATXN2	ENST00000550104.1
CDK16	ENST00000457458.2
PRNP	ENST00000379440.4
KNOP1	ENST00000219837.7
BHLHA15	ENST00000609256.1
GMPPB	ENST00000480687.1
DYNC1LI1	ENST00000273130.4
TRAF6	ENST00000526995.1
KIF6	ENST00000287152.7
RAB11FIP4	ENST00000325874.8
ACBD5	ENST00000396271.3
EBF1	ENST00000313708.6
CCND2	ENST00000261254.3
CDCA2	ENST00000330560.3
NMT2	ENST00000378165.4
PDPK1	ENST00000441549.3
LIFR	ENST00000263409.4
BACH2	ENST00000257749.4
NOL10	ENST00000345985.3
RAB3IP	ENST00000483530.2
ATG2B	ENST00000359933.4
LRRC8B	ENST00000330947.2
ADCY2	ENST00000338316.4
PAPPA	ENST00000328252.3
CUL2	ENST00000374746.1
CCNE2	ENST00000520509.1
TRIM13	ENST00000378182.3
GDF11	ENST00000257868.5
DNAJC18	ENST00000302060.5
SCN2B	ENST00000278947.5

SIDT2	ENST00000324225.4
HOXC8	ENST00000040584.4
SPOCD1	ENST00000373648.2
LRIG2	ENST00000361127.5
ST6GALNAC3	ENST00000328299.3
CTU1	ENST00000421832.2
KCNK3	ENST00000302909.3
CENPI	ENST00000372927.1
TYW3	ENST00000457880.2
TTC39C	ENST00000540918.2
PDCD11	ENST00000369797.3
MAP4K4	ENST00000413150.2
PTTG1IP	ENST00000397887.3
SNRPD3	ENST00000215829.3
SLC10A6	ENST00000273905.6
AC090616.2	ENST00000398832.2
CLASP1	ENST00000409078.3
ZNF333	ENST00000292530.6
HSD17B12	ENST00000278353.4
GMPS	ENST00000496455.2
ITPR2	ENST00000381340.3
USP36	ENST00000542802.3
DCP2	ENST00000389063.2
EIF2AK1	ENST00000199389.6
TBC1D16	ENST00000310924.2
HELLS	ENST00000394036.1
ITGA1	ENST00000282588.6
MECP2	ENST00000303391.6
CAMK2A	ENST00000348628.6
VSX2	ENST00000261980.2
RBFOX2	ENST00000449924.2
E2F4	ENST00000379378.3
VWDE	ENST00000275358.3
TXK	ENST00000264316.4
RNF152	ENST00000312828.3
STOML1	ENST00000564777.1
VPS39	ENST00000318006.5
FSTL4	ENST00000265342.7
ARSK	ENST00000380009.4
LENG1	ENST00000222224.3
TGFBR1	ENST00000374994.4
ZFP82	ENST00000392161.3
ZNF566	ENST00000454319.1
LAMC1	ENST00000258341.4
SLC7A6	ENST00000219343.6
SPRED3	ENST00000587013.1
GDAP1L1	ENST00000342560.5
CECR2	ENST00000400573.5
IFNLR1	ENST00000327575.2
PDE7A	ENST00000401827.3
MYO1A	ENST00000300119.3
SORT1	ENST00000256637.6
DNAH10	ENST00000409039.3
PRMT10	ENST00000322396.6

ARHGAP31	ENST00000264245.4
MTHFR	ENST00000376592.1
USP46	ENST00000441222.3
GTF3C4	ENST00000372146.4
CCPG1	ENST00000310958.6
SDHC	ENST00000367975.2
DNAJC11	ENST00000377577.5
RGS11	ENST00000397770.3
DHCR7	ENST00000407721.2
FLJ00104	ENST00000446344.1
NFKB1	ENST00000226574.4
THEM4	ENST00000368814.3
PLEKHA8	ENST00000449726.1
BACE1	ENST00000313005.6
ZDHHC14	ENST00000359775.5
CTBS	ENST00000370630.5
ARHGAP23	ENST00000431231.2
BCL2	ENST00000398117.1
PAFAH1B1	ENST00000397195.5
ZNF597	ENST00000301744.4
EPN2	ENST00000314728.5
SLC6A4	ENST00000401766.2
PDK1	ENST00000282077.3
KLHL11	ENST00000319121.3
AQR	ENST00000156471.5
PPFIA3	ENST00000334186.4
HEXA	ENST00000268097.5
RRP8	ENST00000254605.6
XRRA1	ENST00000527087.1
LYPLA2	ENST00000374505.2
C5orf63	ENST00000535381.1
AARS2	ENST00000244571.4
C2orf69	ENST00000319974.5
CHST6	ENST00000332272.4
GOSR1	ENST00000225724.5
SIM2	ENST00000290399.6
NIP7	ENST00000254940.5
FAM46C	ENST00000369448.3
ANKEF1	ENST00000378380.3
RPF2	ENST00000441448.2
SKA3	ENST00000314759.5
C21orf59	ENST00000382549.4
RAB3C	ENST00000282878.4
PEAK1	ENST00000312493.4
METTL16	ENST00000263092.6
SREBF2	ENST00000361204.4
NLGN1	ENST00000457714.1
MEF2D	ENST00000464356.2
CHST1	ENST00000308064.2
SFXN2	ENST00000369893.5
CDC73	ENST00000367435.3
CCSER2	ENST00000224756.8
SYK	ENST00000375754.4
LYVE1	ENST00000256178.3

TM9SF1	ENST00000530611.1
GFRA2	ENST00000524240.1
OTUB1	ENST00000538426.1
TMED5	ENST00000479918.1
BPTF	ENST00000321892.4
DDX31	ENST00000372159.3
RPS28	ENST00000600659.2
PSMF1	ENST00000335877.6
XYLB	ENST00000207870.3
NEK9	ENST00000238616.5
SH3PXD2B	ENST00000311601.5
SNX9	ENST00000392185.3
RPRD1A	ENST00000399022.4
TMEM186	ENST00000333050.6
KIAA1598	ENST00000260777.10
AFF1	ENST00000395146.4
CERS4	ENST00000559336.1
MYNN	ENST00000544106.1
AP1G1	ENST00000299980.4
ERCC6L2	ENST00000407474.3
PARP1	ENST00000366794.5
TACC1	ENST00000330691.6
ZNF614	ENST00000270649.6
ZNF519	ENST00000590202.1
RALY	ENST00000375114.3
FAM26E	ENST00000368599.3
THRB	ENST00000396671.2
HELZ2	ENST00000427522.2
CSDC2	ENST00000306149.7
PLAA	ENST00000397292.3
RIC8B	ENST00000392837.4
SNAPC5	ENST00000566658.1
GP2	ENST00000302555.5
NEDD4L	ENST00000256832.7
CEP85L	ENST00000368491.3
MARC1	ENST00000366910.5
ASB16	ENST00000293414.1
DEF6	ENST00000316637.5
SETD9	ENST00000285947.2
SLC5A3	ENST00000608209.1
DGKE	ENST00000284061.3
IQSEC1	ENST00000273221.4
LARP4B	ENST00000316157.3
MAP2	ENST00000360351.4
ORMDL3	ENST00000304046.2
LANCL3	ENST00000378621.3
LMBR1	ENST00000353442.5
LPAR3	ENST00000440886.1
CDK9	ENST00000373264.4
IQSEC2	ENST00000375365.2
UCK2	ENST00000372212.4
POLR3A	ENST00000372371.3
ENGASE	ENST00000579016.1
CSMD3	ENST00000343508.3

MLXIPL	ENST00000434326.1
SCN7A	ENST00000409855.1
PLEKH02	ENST00000323544.4
ZNF445	ENST00000425708.2
TAX1BP3	ENST00000225525.3
AHR	ENST00000242057.4
BLCAP	ENST00000397137.1
UBE2QL1	ENST00000399816.3
PLEKHM3	ENST00000427836.2
FAM49B	ENST00000519824.2
ARMCX3	ENST00000341189.4
PKIA	ENST00000396418.2
SEMA3A	ENST00000265362.4
ZNF347	ENST00000334197.7
NEGR1	ENST00000357731.5
DNAL1	ENST00000553645.2
PPP2R1B	ENST00000527614.1
SP1	ENST00000426431.2
ZKSCAN3	ENST00000377255.3
LETM1	ENST00000302787.2
C6orf223	ENST00000439969.2
ST3GAL2	ENST00000342907.2
STX11	ENST00000367568.4
KCNJ12	ENST00000583088.1
LRTM2	ENST00000543818.1
MGAT5B	ENST00000428789.2
PIK3CD	ENST00000536656.1
LSG1	ENST00000265245.5
ADAM23	ENST00000264377.3
TXNDC5	ENST00000539054.1
RBMS2	ENST00000262031.5
KIAA0895L	ENST00000561621.1
GPATCH2	ENST00000366935.3
DDHD1	ENST00000323669.5
ARHGAP42	ENST00000524892.2
ISL2	ENST00000290759.4
KIFAP3	ENST00000361580.2
ANKRD34C	ENST00000421388.2
HPSE2	ENST00000370546.1
GBA	ENST00000368373.3
CAMK1D	ENST00000378847.3
SCML4	ENST00000369022.2
CREB3L2	ENST00000330387.6
AVPI1	ENST00000370626.3
MRPS5	ENST00000272418.2
NOTCH2NL	ENST00000369340.3
SH3TC2	ENST00000502274.1
LYN	ENST00000520220.2
DDX19A	ENST00000302243.7
SLC10A2	ENST00000245312.3
FLG2	ENST00000388718.5
BAP1	ENST00000460680.1
PHC2	ENST00000431992.1
ZNF416	ENST00000196489.3

SCLY	ENST00000254663.6
KIRREL3	ENST00000525144.2
ADAMTS14	ENST00000373208.1
KLHL34	ENST00000379499.2
NEURL1B	ENST00000369800.5
ZDHHC5	ENST00000287169.3
ZFR2	ENST00000262961.4
CELSR2	ENST00000271332.3
PIP5K1C	ENST00000335312.3
ADAM8	ENST00000415217.3
LMX1A	ENST00000342310.3
STMN3	ENST00000370053.1
SNRK	ENST00000429705.2
FAM53B	ENST00000337318.3
FZD4	ENST00000531380.1
KCNQ1	ENST00000155840.5
CHRNA2	ENST00000368476.3
NBPF20	ENST00000369202.1
SLC29A1	ENST00000393844.1
CHRD1	ENST00000372045.1
GDA	ENST00000358399.3
RAB11FIP1	ENST00000287263.4
C15orf62	ENST00000344320.6
LRP10	ENST00000359591.4
WASF3	ENST00000335327.5
C1orf172	ENST00000320567.5
ZNF664	ENST00000538932.2
IGDCC3	ENST00000327987.4
C4orf50	ENST00000531445.1
LDOC1L	ENST00000341255.3
PPP1CC	ENST00000335007.5
ACBD4	ENST00000398322.3
SLC2A4	ENST00000317370.8
GALNT2	ENST00000366672.4
NRK	ENST00000243300.9
ZNF37A	ENST00000361085.5
BRINP2	ENST00000361539.4
FMO2	ENST00000441535.1
MYH11	ENST00000452625.2
TNFAIP2	ENST00000560869.1
DTX4	ENST00000227451.3
SLC39A5	ENST00000454355.2
TENM3	ENST00000511685.1
ANKAR	ENST00000438402.2
AKT2	ENST00000392038.2
TMPRSS4	ENST00000534111.1
FER	ENST00000281092.4
PYCR1	ENST00000329875.8
ANAPC16	ENST00000299381.4
DLL4	ENST00000249749.5
KIF16B	ENST00000354981.2
SYNPO	ENST00000307662.4
MYT1L	ENST00000399161.2
SETD1B	ENST00000267197.5

PML	ENST00000565898.1
LAMA4	ENST00000230538.7
SFRP1	ENST00000220772.3
CST3	ENST00000398411.1
ATP2A3	ENST00000309890.7
WDTC1	ENST00000319394.3
CCDC64	ENST00000397558.2
DIAPH1	ENST00000389054.3
CHRNA7	ENST00000306901.3
IGHMBP2	ENST00000255078.3
KLHL24	ENST00000454652.2
FARP2	ENST00000264042.3
ARHGAP6	ENST00000380736.1
PALM	ENST00000338448.5
CACNA1E	ENST00000526775.1
NUP188	ENST00000372577.2
EPHA8	ENST00000166244.3
THUMPD1	ENST00000381337.2
KIF1B	ENST00000377086.1
MARK2	ENST00000402010.2
MRC2	ENST00000303375.5
ZNF787	ENST00000270459.3
HNRNPUL1	ENST00000352456.3
SP6	ENST00000342234.2
TLCD2	ENST00000330676.6
ELMO1	ENST00000341056.3
ZNF585A	ENST00000356958.4
SLC38A7	ENST00000570101.1
DRP2	ENST00000402866.1
KCNC4	ENST00000369787.3
UBTF	ENST00000343638.5
GPD1	ENST00000301149.3
KIAA1239	ENST00000309447.5
KIAA0513	ENST00000566428.1
CACNA1I	ENST00000402142.3
LPIN1	ENST00000256720.2
PMFBP1	ENST00000537465.1
GPR179	ENST00000342292.4
NOS1AP	ENST00000361897.5
SUN2	ENST00000405510.1
FIZ1	ENST00000221665.3
ZNF707	ENST00000358656.4
CDR2L	ENST00000337231.5
GNA11	ENST00000078429.4
GATA5	ENST00000252997.2
CELF5	ENST00000541430.2
CECR1	ENST00000399839.1
CUX2	ENST00000261726.6
KCNJ5	ENST00000529694.1
TNN	ENST00000239462.4
FRRS1L	ENST00000561981.2
SYN1	ENST00000340666.4
CABP7	ENST00000216144.3
FLNB	ENST00000357272.4

IQSEC3	ENST00000538872.1
CRTC3	ENST00000420329.2
HIC1	ENST00000399849.3
SH3RF2	ENST00000511217.1
KCNQ4	ENST00000347132.5
KDR	ENST00000263923.4
CMKLR1	ENST00000312143.7
GUCD1	ENST00000447813.2
IL21R	ENST00000395755.1
ZNF319	ENST00000299237.2
FHDC1	ENST00000260008.3
TDRD10	ENST00000368480.3
ORA0V1	ENST00000279147.4
ALPL	ENST00000374840.3
GPR63	ENST00000229955.3
MMP11	ENST00000215743.3
SPNS2	ENST00000329078.3
SPRN	ENST00000414069.2
TXLNB	ENST00000358430.3
ZNF829	ENST00000520965.1
ZNF132	ENST00000254166.3
XKR7	ENST00000562532.2
MGRN1	ENST00000415496.1
FOXI2	ENST00000388920.4
PCYT2	ENST00000538936.2
ARAP1	ENST00000359373.5
GYS1	ENST00000323798.3
PCDH7	ENST00000543491.1
SGSH	ENST00000326317.6
ST6GALNAC4	ENST00000335791.5
C9orf9	ENST00000372136.3
SH3BP4	ENST00000392011.2
UBALD1	ENST00000590965.1
C15orf53	ENST00000318792.1
LRRC15	ENST00000347624.3
B4GALT5	ENST00000371711.4
ATG16L2	ENST00000321297.5
CRKL	ENST00000354336.3
SLFN11	ENST00000308377.4
RGL1	ENST00000304685.4
FAT3	ENST00000298047.6
SLC8A2	ENST00000236877.6
ADAM33	ENST00000356518.2
DLST	ENST00000334220.4
SNPH	ENST00000381873.3
BRD4	ENST00000263377.2
ACVR1B	ENST00000257963.4
ZNF512B	ENST00000369888.1
KLHL30	ENST00000409223.1
RGP1	ENST00000378078.4
KIF18B	ENST00000587309.1
IQGAP3	ENST00000361170.2
ADAM19	ENST00000257527.4
DNAJB2	ENST00000336576.5

OGDH	ENST00000222673.5
KCNAB2	ENST00000378097.1
LRP4	ENST00000378623.1
POU3F1	ENST00000373012.2
NDUFA11	ENST00000592634.1
ADCYAP1R1	ENST00000304166.4
FOXRED2	ENST00000397224.4
NPAP1	ENST00000329468.2
MADD	ENST00000406482.1
RIMS4	ENST00000372851.3
HRNR	ENST00000368801.2
CUX1	ENST00000437600.4
TSPAN11	ENST00000261177.9
CACNA1D	ENST00000288139.4
TECPR2	ENST00000359520.7
C1QTNF1	ENST00000392445.2
NAV3	ENST00000228327.6
EPHA10	ENST00000373048.4
SLC30A10	ENST00000366926.3
ANKS1B	ENST00000546960.1
EVI5L	ENST00000270530.4
LRCH3	ENST00000438796.2
KIF3B	ENST00000375712.3
KIAA1024	ENST00000305428.3
TMEM198	ENST00000373883.3
DEDD2	ENST00000336034.4
C5orf20	ENST00000503143.2
MAT1A	ENST00000372213.3
ZNF81	ENST00000338637.7
RAB36	ENST00000263116.2
NDST1	ENST00000261797.6
TCF7	ENST00000518915.1
TGM2	ENST00000361475.2
NAA38	ENST00000249299.2
EP400	ENST00000333577.4
ATP11C	ENST00000327569.3
NRP1	ENST00000374875.1
CPSF7	ENST00000340437.4
PI4K2A	ENST00000370649.3
ADCK3	ENST00000366779.1
AVL9	ENST00000318709.4
SUPT16H	ENST00000216297.2
MCUR1	ENST00000379170.4
LBH	ENST00000406087.1
VDR	ENST00000395324.2
PHF12	ENST00000577226.1
NSFL1C	ENST00000353088.2
ZBTB34	ENST00000319119.4
CDK18	ENST00000360066.2
NDRG1	ENST00000323851.7
SYTL4	ENST00000372989.1
GLI2	ENST00000452319.1
CPD	ENST00000225719.4
TRPC6	ENST00000344327.3

MICAL3	ENST00000441493.2
LILRA1	ENST00000453777.1
TMEM251	ENST00000415050.2
PFAS	ENST00000314666.6
AP1M1	ENST00000291439.3
GPAM	ENST00000348367.4
PHIP	ENST00000275034.4
NEDD4	ENST00000338963.2
PHC3	ENST00000495893.2
CNTN3	ENST00000263665.6
ZCCHC14	ENST00000268616.4
MTA3	ENST00000405592.1
CLINT1	ENST00000523094.1
CYSLTR2	ENST00000282018.3
UPF1	ENST00000262803.5
SLC7A1	ENST00000380752.5
TTC28	ENST00000397906.2
FAM177A1	ENST00000280987.4
AGPAT3	ENST00000291572.8
DDB1	ENST00000301764.7
KIF1C	ENST00000320785.5
COL1A1	ENST00000225964.5
ZNF469	ENST00000437464.1
CSMD2	ENST00000373381.4
SLC16A7	ENST00000261187.4
LCOR	ENST00000371103.3
EPHA6	ENST00000470610.2
BAG2	ENST00000370693.5
EPM2AIP1	ENST00000322716.5
TMEM139	ENST00000359333.3
TRPV3	ENST00000301365.4
CIT	ENST00000392521.2
COL4A6	ENST00000334504.7
ADRBK2	ENST00000324198.6
KIN	ENST00000379562.4
TIMM8A	ENST00000372902.3
GDF7	ENST00000272224.3
C14orf37	ENST00000267485.7
PQLC1	ENST00000590381.1
PPIL6	ENST00000521072.2
MCOLN3	ENST00000370589.2
TCIRG1	ENST00000265686.3
MRPS25	ENST00000253686.2
THBS2	ENST00000366787.3
FBN2	ENST00000262464.4
BFAR	ENST00000261658.2
SLC23A2	ENST00000338244.1
SEPNI	ENST00000361547.2
PRMT3	ENST00000331079.6
MTMR7	ENST00000180173.5
TRMT2B	ENST00000338687.7
GLYCTK	ENST00000354773.4
FBXL18	ENST00000382368.3
MAN2A2	ENST00000360468.3

TMTC1	ENST00000256062.5
FLT3	ENST00000241453.7
ZNF573	ENST00000590414.2
LPHN1	ENST00000340736.6
SLC30A7	ENST00000370112.4
PEX19	ENST00000368072.5
PAPOLG	ENST00000238714.3
LAD1	ENST00000391967.2
LMTK2	ENST00000297293.5
FAM211A	ENST00000409083.3
SOCS4	ENST00000395472.2
SLC03A1	ENST00000318445.6
NDOR1	ENST00000427047.2
TANG06	ENST00000261778.1
NOM1	ENST00000275820.3
C20orf112	ENST00000359676.5
TP73	ENST00000378280.1
IBA57	ENST00000366711.3
GABRQ	ENST00000370306.2
KAZN	ENST00000422387.2
NPEPPS	ENST00000322157.4
ZNF708	ENST00000356929.3
TMEM184B	ENST00000361906.3
DCBLD2	ENST00000326840.6
RILPL1	ENST00000376874.4
COX7A2L	ENST00000378669.1
SENP8	ENST00000544411.1
EFCAB2	ENST00000366523.1
ARHGAP26	ENST00000378004.3
FZD5	ENST00000295417.3
SLC35F6	ENST00000344420.5
FOXD3	ENST00000371116.2
EPT1	ENST00000260585.7
FNTB	ENST00000246166.2
PIP5K2	ENST00000321521.9
USP49	ENST00000394253.3
SH3PXD2A	ENST00000369774.4
SUPT3H	ENST00000371460.1
SPSB4	ENST00000310546.2
LTB4R	ENST00000396789.4
GPR107	ENST00000372410.3
SPA17	ENST00000532692.1
MTMR12	ENST00000280285.5
GABRB3	ENST00000311550.5
PCDH1	ENST00000503492.1
TNFAIP8L1	ENST00000327473.4
RRAS2	ENST00000537760.1
CCDC85C	ENST00000380243.4
C8orf59	ENST00000417663.2
ELFN2	ENST00000402918.2
HPX	ENST00000265983.3
RAB4A	ENST00000366690.4
MYO9A	ENST00000564571.1
CTH	ENST00000411986.2

NOL9	ENST00000377705.5
TCEA3	ENST00000450454.2
SPTBN2	ENST00000529997.1
APBB2	ENST00000295974.8
ABLIM3	ENST00000326685.7
SLC35E1	ENST00000595753.1
PTPN18	ENST00000175756.5
LATS1	ENST00000392273.3
PRIM1	ENST00000338193.6
STX4	ENST00000313843.3
RALGAPA2	ENST00000202677.7
LSS	ENST00000397728.3
N4BP3	ENST00000274605.5
GGA3	ENST00000351904.7
BCL2L13	ENST00000418951.2
ZMYND8	ENST00000311275.7
MARCH4	ENST00000273067.4
GATA6	ENST00000269216.3
ALDH1L2	ENST00000258494.9
C4orf19	ENST00000381980.4
EIF2S1	ENST00000256383.4
ERVMER34-1	ENST00000443173.1
ALPK1	ENST00000458497.1
LDLRAD4	ENST00000399848.3
SERPINE1	ENST00000223095.4
NOD1	ENST00000222823.4
C16orf52	ENST00000542527.2
ZNF841	ENST00000594295.1
C2orf82	ENST00000409533.1
METAP1	ENST00000296411.6
ZNF589	ENST00000427617.2
ABR	ENST00000302538.5
SLC33A1	ENST00000392845.3
TRAF5	ENST00000261464.5
NR1H4	ENST00000548884.1
ADCY9	ENST00000294016.3
SPEM1	ENST00000323675.3
PRUNE2	ENST00000376718.3
FBXO11	ENST00000402508.1
WDR7	ENST00000254442.3
CPSF6	ENST00000435070.2
CCR6	ENST00000341935.5
FLRT2	ENST00000330753.4
SH3BP2	ENST00000356331.5
GNAQ	ENST00000286548.4
YOD1	ENST00000315927.4
PLA2G16	ENST00000323646.5
PPP1R3G	ENST00000405617.2
AK2	ENST00000467905.1
TRIM38	ENST00000357085.3
FAM19A5	ENST00000358295.5
CDK13	ENST00000181839.4
ADAMTS1	ENST00000284984.3
SORL1	ENST00000260197.7

ZIC1	ENST00000282928.4
C1orf50	ENST00000372525.5
MYO18A	ENST00000354329.4
JAM2	ENST00000480456.1
EPG5	ENST00000282041.5
CNKSR3	ENST00000607772.1
NHP2L1	ENST00000355257.3
SOD2	ENST00000538183.2
SWSAP1	ENST00000312423.2
POLI	ENST00000579534.1
TPPP	ENST00000360578.5
TMEM53	ENST00000372237.3
NFX1	ENST00000379540.3
SUSD2	ENST00000358321.3
SMARCC1	ENST00000254480.5
TIAM1	ENST00000286827.3
EMX1	ENST00000258106.6
NAA11	ENST00000286794.4
ARHGEF11	ENST00000368194.3
RNMT	ENST00000383314.2
NOP9	ENST00000396802.3
VPS13A	ENST00000360280.3
RAB8A	ENST00000300935.3
FAM168A	ENST00000064778.4
FN1	ENST00000357009.2
USP13	ENST00000263966.3
MYEF2	ENST00000324324.7
UGDH	ENST00000316423.6
ZNF326	ENST00000370447.3
ASB1	ENST00000264607.4
NUB1	ENST00000413040.2
SLC24A4	ENST00000393265.2
DOPEY1	ENST00000349129.2
HSP90B1	ENST00000299767.5
VCAN	ENST00000265077.3
WDR41	ENST00000296679.4
DERL3	ENST00000404056.1
C9orf64	ENST00000376344.3
SLC38A9	ENST00000396865.2
SLC22A3	ENST00000392145.1
SNRPB2	ENST00000377943.5
RBMX2	ENST00000305536.6
OTUD7A	ENST00000307050.4
ATP8A2	ENST00000381655.2
CCDC127	ENST00000296824.3
USP30	ENST00000257548.5
GTDC1	ENST00000392869.2
HPS3	ENST00000296051.2
CA8	ENST00000317995.4
SELENBP1	ENST00000368868.5
CALCOCO1	ENST00000548263.1
ALG10	ENST00000266483.2
FAM120B	ENST00000476287.1
TMC7	ENST00000421369.3

MUC20	ENST00000320736.6
IGFBPL1	ENST00000377694.1
OTUB2	ENST00000203664.5
METTL8	ENST00000375258.4
CCBE1	ENST00000439986.4
WDR3	ENST00000349139.5
SHROOM1	ENST00000378679.3
NAPG	ENST00000322897.6
MARCH3	ENST00000308660.5
NDUFS1	ENST00000233190.6
EYA4	ENST00000367895.5
SIRPA	ENST00000400068.3
CMSS1	ENST00000421999.2
TMC8	ENST00000318430.5
TYW5	ENST00000354611.4
FOXL1	ENST00000320241.3
ARFGEF2	ENST00000371917.4
NIPA1	ENST00000337435.4
ZNF248	ENST00000395867.3
ABCG2	ENST00000515655.1
SSH3	ENST00000376757.5
XPNPEP3	ENST00000357137.4
BNIP3L	ENST00000380629.2
TNPO3	ENST00000393245.1
ATP11B	ENST00000323116.5
MGLL	ENST00000434178.2
IWS1	ENST00000295321.4
NDUFA10	ENST00000252711.2
REST	ENST00000309042.7
GPRC5A	ENST00000014914.5
ASIC1	ENST00000228468.4
PIGV	ENST00000078527.4
ZNF490	ENST00000311437.6
POLR1A	ENST00000263857.6
RUNX1	ENST00000344691.4
MCOLN2	ENST00000370608.3
LAMTOR3	ENST00000499666.2
RMND5A	ENST00000283632.4
RIMKLA	ENST00000431473.3
RHOF	ENST00000267205.2
CHMP3	ENST00000263856.4
REPS2	ENST00000357277.3
SYTL3	ENST00000367081.3
SLC12A6	ENST00000397707.2
TOMM20	ENST00000366607.4
ZER1	ENST00000291900.2
TAF1B	ENST00000263663.5
C19orf40	ENST00000588258.1
KPNA3	ENST00000261667.3
MRO	ENST00000428869.2
WDFY2	ENST00000298125.5
DECR1	ENST00000220764.2
MARCKS	ENST00000368635.4
POLM	ENST00000335195.6

LTBP2	ENST00000261978.4
GNB4	ENST00000232564.3
MSANTD3	ENST00000395067.2
DICER1	ENST00000541352.1
EPC1	ENST00000319778.6
PLXNA3	ENST00000369682.3
KCTD20	ENST00000373731.2
SLC30A2	ENST00000374278.3
TBC1D24	ENST00000567020.1
USH1G	ENST00000319642.1
MYH15	ENST00000273353.3
RNF103-CHMP3	ENST00000604011.1
IL17REL	ENST00000389983.2
CDC14B	ENST00000265659.2
RAB37	ENST00000392610.1
ATF3	ENST00000366983.1
DST	ENST00000312431.6
SLFN13	ENST00000285013.6
CCDC170	ENST00000239374.7
ADAMTS15	ENST00000299164.2
CNTN2	ENST00000331830.4
WEE1	ENST00000299613.6
CELF6	ENST00000287202.5
MAPT	ENST00000344290.5
FAM189A1	ENST00000261275.4
SEPT8	ENST00000378706.1
TBC1D10A	ENST00000215790.7
BAZ1B	ENST00000339594.4
JPH2	ENST00000372980.3
PDGFRB	ENST00000261799.4
MAPKBP1	ENST00000457542.2
MMP14	ENST00000311852.6
RUFY4	ENST00000441828.2
ZNF618	ENST00000288466.7
B3GALTL	ENST00000343307.4
NSMF	ENST00000339554.3
ZNF324	ENST00000536459.2
VANGL1	ENST00000355485.2
TUBGCP4	ENST00000564079.1
NT5DC1	ENST00000319550.4
HIST1H2AH	ENST00000377459.1
EEPD1	ENST00000242108.4
SMCR8	ENST00000406438.3
EMP2	ENST00000359543.3
HOXD12	ENST00000404162.2
CASP10	ENST00000360132.3
XRCC3	ENST00000554913.1
TBC1D8B	ENST00000357242.5
TTF2	ENST00000369466.4
PYG01	ENST00000302000.6
COBLL1	ENST00000375458.2
ACPL2	ENST00000286353.4
TNKS2	ENST00000371627.4
TRNAU1AP	ENST00000373830.3

DGKI	ENST00000453654.2
COL5A1	ENST00000371817.3
TMEM167A	ENST00000502346.1
EMP1	ENST00000256951.5
ADARB2	ENST00000381312.1
DENND5B	ENST00000389082.5
STARD5	ENST00000302824.6
MICA	ENST00000449934.2
DRG1	ENST00000331457.4
NANOS1	ENST00000425699.1
UQCRFS1	ENST00000304863.4
FRZB	ENST00000295113.4
TNIK	ENST00000436636.2
FADS1	ENST00000350997.7
RANBP3	ENST00000439268.2
TMED10	ENST00000303575.4
KIAA0368	ENST00000338205.5
CHURC1-FNTB	ENST00000549987.1
DNAJB13	ENST00000339764.1
EXOC2	ENST00000230449.4
ADARB1	ENST00000539173.1
SLC25A37	ENST00000519973.1
AP4M1	ENST00000359593.4
STX17	ENST00000259400.6
EMC3	ENST00000245046.2
CENPP	ENST00000375587.3
ST3GAL1	ENST00000319914.5
PPP5C	ENST00000012443.4
SLC11A2	ENST00000262051.7
MRPS14	ENST00000476371.1
UQCRB	ENST00000287022.5
PTBP2	ENST00000609116.1
CDC6	ENST00000209728.4
POLE	ENST00000320574.5
TK2	ENST00000299697.7
MFSO6	ENST00000392328.1
IP6K1	ENST00000468463.1
RFTN2	ENST00000295049.4
EFNA3	ENST00000505139.1
CPPED1	ENST00000381774.4
PET112	ENST00000263985.6
CCDC153	ENST00000503566.2
BICD2	ENST00000356884.6
GPATCH4	ENST00000368232.4
OSBPL8	ENST00000393249.2
COA5	ENST00000328709.3
FKBP7	ENST00000424785.2
ABCG8	ENST00000272286.2
ING2	ENST00000302327.3
ANKH	ENST00000284268.6
C8orf46	ENST00000522977.1
ADAL	ENST00000428046.3
LMAN2L	ENST00000264963.4
UBE2V2	ENST00000523111.2

MKI67	ENST00000368653.3
TRAPPC2L	ENST00000565504.1
PAPD5	ENST00000357464.3
C2orf29	ENST00000407472.1
PITPNC1	ENST00000580974.1
TRABD2B	ENST00000606738.2
RASAL2	ENST00000448150.3
MRPL46	ENST00000312475.4
RAPGEF3	ENST00000405493.2
TPBG	ENST00000369750.3
FRMD4A	ENST00000358621.4
UBR5	ENST00000520539.1
TUSC2	ENST00000232496.4
EHD1	ENST00000320631.3
ROBO2	ENST00000461745.1
ROCK2	ENST00000315872.6
SRGAP3	ENST00000383836.3
ZNF180	ENST00000391956.4
FIBCD1	ENST00000448616.1
AGBL3	ENST00000359383.3
KPNB1	ENST00000290158.4
SOAT1	ENST00000367619.3
GLIS3	ENST00000324333.10
DDX52	ENST00000349699.2
RANBP2	ENST00000283195.6
ZNF695	ENST00000487338.2
PARG	ENST00000402038.3
NGFRAP1	ENST00000361298.4
ST3GAL6	ENST00000265261.6
UBE2A	ENST00000371558.2
PKLR	ENST00000392414.3
ANO7	ENST00000274979.8
SMIM1	ENST00000444870.2
C6orf211	ENST00000367294.3
PRPSAP1	ENST00000446526.3
PLEKHG3	ENST00000247226.7
UMPS	ENST00000232607.2
BUB1	ENST00000535254.1
ZNF827	ENST00000379448.4
MRPL30	ENST00000338148.3
C2orf15	ENST00000512183.2
DNAJB5	ENST00000545841.1
MBD5	ENST00000407073.1
ZDHHC24	ENST00000310442.3
SOCS7	ENST00000577233.1
LNX1	ENST00000306888.2
SRD5A3	ENST00000264228.4
SRCAP	ENST00000262518.4
RAB3GAP2	ENST00000358951.2
SMNDC1	ENST00000369603.5
SLIT1	ENST00000371070.4
ARID1B	ENST00000346085.5
SLC44A1	ENST00000374720.3
WSB2	ENST00000315436.3

PCCB	ENST00000469217.1
SLC30A9	ENST00000264451.7
ZNF283	ENST00000324461.7
ESF1	ENST00000202816.1
MRPS30	ENST00000507110.1
ZNF622	ENST00000308683.2
FAM105A	ENST00000274217.3
DYRK2	ENST00000344096.3
MAD2L1	ENST00000296509.6
C15orf40	ENST00000304177.5
LPAR2	ENST00000586703.1
TIFA	ENST00000361717.3
FAM227A	ENST00000535113.1
ABCB1	ENST00000265724.3
SFSWAP	ENST00000261674.4
CADPS2	ENST00000334010.7
THUMPD2	ENST00000505747.1
TM9SF3	ENST00000371142.4
FAM126A	ENST00000409923.1
GNG7	ENST00000382159.3
TSKU	ENST00000333090.4
CSTF2T	ENST00000331173.4
SERINC1	ENST00000339697.4
LIPT2	ENST00000310109.4
GALC	ENST00000261304.2
HAT1	ENST00000392584.1
CHD1	ENST00000284049.3
HOXB13	ENST00000290295.7
RAB3B	ENST00000371655.3
HDAC5	ENST00000225983.6
ASCC3	ENST00000369162.2
PKP4	ENST00000389757.3
B3GALT1	ENST00000392690.3
GLG1	ENST00000422840.2
C11orf1	ENST00000260276.3
UVRAG	ENST00000356136.3
CCDC93	ENST00000376300.2
COLGALT2	ENST00000367521.1
SRFBP1	ENST00000339397.4
KLRG2	ENST00000340940.4
TEX2	ENST00000258991.3
TNFRSF13C	ENST00000291232.3
BTRC	ENST00000370187.3
AGO3	ENST00000373191.4
GLUD1	ENST00000277865.4
BRCC3	ENST00000369462.1
ATF6	ENST00000367942.3
TSPAN31	ENST00000547992.1
DYRK3	ENST00000367108.3
NPY4R	ENST00000374312.1
ZNF223	ENST00000434772.3
TOX3	ENST00000407228.3
DDX6	ENST00000264018.4
ARIH1	ENST00000379887.4

CD248	ENST00000311330.3
STAMBPL1	ENST00000371926.3
SLC27A4	ENST00000300456.4
PERP	ENST00000421351.3
GFRA1	ENST00000439649.3
ST5	ENST00000526757.1
QPRT	ENST00000395384.4
LIPG	ENST00000261292.4
OPN3	ENST00000366554.2
LMOD1	ENST00000367288.4
HHIPL1	ENST00000330710.5
PNPO	ENST00000225573.4
INPP4A	ENST00000409016.4
EFHC1	ENST00000371068.5
UBE2D3	ENST00000453744.2
ZNF613	ENST00000293471.6
EXO1	ENST00000518483.1
FAM179A	ENST00000379558.4
TMEFF2	ENST00000392314.1
NUDT9	ENST00000473942.1
KLHL4	ENST00000373119.4
HERPUD2	ENST00000396081.1
CABLES1	ENST00000256925.7
PHB2	ENST00000546111.1
GTF2A2	ENST00000396060.2
COX15	ENST00000016171.5
AZI2	ENST00000479665.1
NFIX	ENST00000360105.4
HNRNPA3	ENST00000411529.2
PHF5A	ENST00000216252.3
C7orf55-LUC7L2	ENST00000354926.4
CYTH2	ENST00000427476.1
TTLL1	ENST00000331018.7
FAM149B1	ENST00000242505.6
LRRC27	ENST00000392638.2
RSRC2	ENST00000331738.7
ARL1	ENST00000261636.8
ZBTB11	ENST00000312938.4
ANXA6	ENST00000354546.5
CADM1	ENST00000452722.3
TRMT10C	ENST00000309922.6
SDC3	ENST00000336798.7
CHRM3	ENST00000255380.4
NAGS	ENST00000293404.3
EHD4	ENST00000220325.4
CNOT6L	ENST00000504123.1
ZNF639	ENST00000326361.3
STX3	ENST00000535361.1
SOX11	ENST00000322002.3
KCNK1	ENST00000366621.3
NSL1	ENST00000422588.2
CYP4F12	ENST00000550308.1
ZFYVE9	ENST00000371591.1
ETV1	ENST00000430479.1

ALG14	ENST00000370205.5
PDXK	ENST00000468090.1
PSMG4	ENST00000473000.2
RPL13	ENST00000393099.3
SORBS3	ENST00000240123.7
MLTK	ENST00000375213.3
TMED7	ENST00000456936.3
ETS2	ENST00000360214.3
TPGS2	ENST00000334295.4
APC	ENST00000457016.1
COG6	ENST00000455146.3
ATOH8	ENST00000306279.3
BAMBI	ENST00000375533.3
SGIP1	ENST00000371036.3
LRP12	ENST00000424843.2
LUC7L2	ENST00000541515.3
MED6	ENST00000440435.2
RAB24	ENST00000393611.2
SNRPG	ENST00000454893.1
ZNF177	ENST00000541595.2
RASA1	ENST00000456692.2
PPM1H	ENST00000228705.6
SCARB2	ENST00000264896.2
POLR1E	ENST00000377798.4
ERG	ENST00000398905.1
RNASET2	ENST00000366855.6
CTNBL1	ENST00000361383.6
DCTN6	ENST00000221114.3
HADHA	ENST00000380649.3
IFT57	ENST00000264538.3
HSPA2	ENST00000394709.1
MSH5	ENST00000534153.4
CEP72	ENST00000444221.1
TSPAN14	ENST00000429989.3
CDS2	ENST00000460006.1
MGMT	ENST00000306010.7
CCDC77	ENST00000239830.4
NTPCR	ENST00000366628.5
RBM15B	ENST00000323686.4
HIC2	ENST00000407464.2
DNTTIP2	ENST00000436063.2
RAB6B	ENST00000285208.4
SH3GLB1	ENST00000370558.4
SMU1	ENST00000397149.3
ZCCHC11	ENST00000257177.4
TOR1AIP2	ENST00000367612.3
EHD3	ENST00000322054.5
CENPF	ENST00000366955.3
RAB40B	ENST00000571995.1
CLN8	ENST00000331222.4
ANKS6	ENST00000375018.1
HAUS3	ENST00000243706.4
SPIRE1	ENST00000409402.4
EIF2B5	ENST00000273783.3

NLE1	ENST00000586869.1
VPS33A	ENST00000267199.4
ARHGAP29	ENST00000260526.6
PMPCB	ENST00000249269.4
KHNYN	ENST00000251343.5
ZBTB3	ENST00000394807.3
MAST2	ENST00000361297.2
TOMM40	ENST00000592434.1
PPARG	ENST00000397000.1
CAPN2	ENST00000295006.5
CHSY1	ENST00000254190.3
KIAA0141	ENST00000194118.4
CASK	ENST00000421587.2
RAB32	ENST00000367495.3
CNBP	ENST00000502976.1
MGAT1	ENST00000333055.3
MAPKAPK5	ENST00000550735.2
LEF1	ENST00000265165.1
PPIL4	ENST00000340881.2
ABHD5	ENST00000458276.2
PIAS2	ENST00000585916.1
PCDHB2	ENST00000194155.4
APLP2	ENST00000263574.5
TRMT61A	ENST00000389749.4
CRTAP	ENST00000320954.6
GRK5	ENST00000392870.2
METTL10	ENST00000368836.2
ZC3H14	ENST00000251038.5
JTB	ENST00000271843.4
RARA	ENST00000425707.3
MESDC2	ENST00000261758.4
HSBP1	ENST00000433866.2
EIF1B	ENST00000232905.3
ZBTB17	ENST00000375743.4
TMEM220	ENST00000341871.3
SLC2A12	ENST00000275230.5
TRIP4	ENST00000261884.3
CA5B	ENST00000454127.2
RBM18	ENST00000417201.3
COX20	ENST00000411948.2
TIAL1	ENST00000369093.2
SMYD2	ENST00000366957.5
ZNF749	ENST00000334181.4
DDI2	ENST00000480945.1
GRHPR	ENST00000318158.6
YTHDC1	ENST00000344157.4
MCM10	ENST00000378694.1
CYB5R1	ENST00000367249.4
LMAN1	ENST00000251047.5
C4orf32	ENST00000309733.5
MTL5	ENST00000255087.5
ZBTB20	ENST00000462705.1
KLHL5	ENST00000261425.3
FOXN3	ENST00000345097.4

CARHSP1	ENST00000396593.2
C19orf47	ENST00000582783.1
VSTM4	ENST00000332853.4
TLN2	ENST00000561311.1
FKBP4	ENST00000001008.4
ARHGAP18	ENST00000368149.2
PANX1	ENST00000227638.3
UBE2T	ENST00000367274.4
HEY2	ENST00000368365.1
GTF2F1	ENST00000394456.5
CENPM	ENST00000404067.1
MLLT3	ENST00000380338.4
ZNF446	ENST00000335841.4
C12orf52	ENST00000548278.1
STRBP	ENST00000447404.2
PQLC2	ENST00000375155.3
YARS2	ENST00000324868.8
UBD	ENST00000377050.4
BTBD1	ENST00000379403.2
ZSCAN2	ENST00000541040.1
CNOT7	ENST00000361272.4
PMPCA	ENST00000371717.3
CEP63	ENST00000337090.3
RHBDL3	ENST00000269051.4
TRAF3IP2	ENST00000368761.5
MRPL2	ENST00000487429.1
EXD2	ENST00000409018.3
MTHFD1	ENST00000216605.8
ARL3	ENST00000260746.5
PSMB5	ENST00000493471.2
GPR124	ENST00000315215.7
HIF1A	ENST00000323441.6
HAS2	ENST00000303924.4
MAGIX	ENST00000376338.3
ZNF736	ENST00000423484.2
TLX1	ENST00000467928.2
OIP5	ENST00000220514.3
TRIP13	ENST00000166345.3
ITGA11	ENST00000423218.2
INF2	ENST00000392634.4
MESP1	ENST00000300057.4
TOMM6	ENST00000398884.3
SIPA1L1	ENST00000555818.1
BRD3	ENST00000303407.7
MIIP	ENST00000235332.4
ADSL	ENST00000216194.7
CKAP4	ENST00000378026.4
ARID2	ENST00000457135.1
NUPL2	ENST00000258742.5
FASTKD2	ENST00000236980.6
PTGS1	ENST00000362012.2
DNPEP	ENST00000273075.4
ANKRD9	ENST00000559651.1
VLDLR	ENST00000382100.3

ITGB5	ENST00000296181.4
RP11-706015.1	ENST00000425492.2
RPP30	ENST00000413330.1
MSRB1	ENST00000399753.2
FOXE1	ENST00000375123.3
ARHGAP20	ENST00000260283.4
PGK1	ENST00000373316.4
EBNA1BP2	ENST00000431635.2
FOXD1	ENST00000499003.3
SGOL1	ENST00000442720.1
USP9X	ENST00000324545.8
DVL3	ENST00000313143.3
MSX2	ENST00000239243.6
RNF214	ENST00000530849.1
VAPA	ENST00000400000.2
MED16	ENST00000269814.4
POU4F1	ENST00000377208.5
USP3	ENST00000380324.3
TYMS	ENST00000323274.10
CCDC59	ENST00000256151.7
KNSTRN	ENST00000608100.1
IAH1	ENST00000470914.1
CNTNAP5	ENST00000431078.1
CNNM2	ENST00000369878.4
ACP6	ENST00000369238.6
MEF2C	ENST00000340208.5
CETN3	ENST00000283122.3
PAK4	ENST00000599386.1
SLC43A2	ENST00000301335.5
VPS18	ENST00000220509.5
WDR37	ENST00000358220.1
RTF1	ENST00000389629.4
SART3	ENST00000228284.3
METTL22	ENST00000381920.3
TIGD6	ENST00000296736.3
BAG1	ENST00000472232.3
CMBL	ENST00000296658.3
PLA2G12A	ENST00000243501.5
VTA1	ENST00000367630.4
ARL14EP	ENST00000282032.3
OBFC1	ENST00000224950.3
ID3	ENST00000374561.5
SSR1	ENST00000244763.4
PLEKHG1	ENST00000367328.1
RRP1	ENST00000497547.1
GSTM3	ENST00000540225.1
MGAT2	ENST00000305386.2
CMC1	ENST00000466830.1
STK16	ENST00000409638.3
URGCP	ENST00000223341.7
ANKLE2	ENST00000539605.1
FUT10	ENST00000327671.5
AMACR	ENST00000335606.6
PARL	ENST00000317096.4

MTG2	ENST00000370823.3
WIPI2	ENST00000288828.4
AKR7A2	ENST00000235835.3
POLR2C	ENST00000219252.5
CDH11	ENST00000394156.3
ABCG1	ENST00000398457.2
UROS	ENST00000368797.4
ZMAT2	ENST00000274712.3
NAT10	ENST00000257829.3
LONP2	ENST00000285737.4
HAUS8	ENST00000253669.5
CHRNA5	ENST00000299565.5
POU6F1	ENST00000389243.4
PAQR3	ENST00000512733.1
PEX7	ENST00000541292.1
SNAP47	ENST00000366760.1
HEXIM2	ENST00000307275.3
TMED3	ENST00000299705.5
UBE2F	ENST00000272930.4
MLPH	ENST00000264605.3
DNLZ	ENST00000371739.3
GRID1	ENST00000327946.7
NDUFV3	ENST00000340344.4
GPKOW	ENST00000156109.5
GABRB1	ENST00000295454.3
KNCN	ENST00000481882.2
CSE1L	ENST00000262982.2
SART1	ENST00000312397.5
NUDT21	ENST00000300291.5
LMNB2	ENST00000325327.3
GNG11	ENST00000248564.5
C2orf68	ENST00000306336.5
PAX6	ENST00000419022.1
MAPK14	ENST00000229795.3
AGPAT6	ENST00000396987.3
TMEM98	ENST00000579849.1
TCF21	ENST00000367882.4
CALML4	ENST00000395465.3
TXNRD3	ENST00000518740.1
SF3B3	ENST00000302516.5
NCKAP1	ENST00000361354.4
DOCK7	ENST00000251157.5
DHX34	ENST00000328771.4
PACS2	ENST00000447393.1
TXNL1	ENST00000217515.6
MSH3	ENST00000265081.6
FTO	ENST00000471389.1
C3orf17	ENST00000314400.5
TCEB3	ENST00000418390.2
CD59	ENST00000395850.3
GEMIN4	ENST00000319004.5
AHSA2	ENST00000394457.3
MORF4L1	ENST00000331268.5
IMPA1	ENST00000311489.4

ODF2L	ENST00000370566.3
CAMK2N1	ENST00000375078.3
SERPINA4	ENST00000555095.1
DGAT1	ENST00000332324.4
CRNKL1	ENST00000377327.4
NARS	ENST00000256854.5
TMX1	ENST00000457354.2
MED31	ENST00000225728.3
DUSP6	ENST00000279488.7
TF	ENST00000402696.3
FBXO33	ENST00000298097.7
HMX1	ENST00000400677.3
BOD1	ENST00000311086.4
GRSF1	ENST00000254799.6
AGBL5	ENST00000323064.8
CREBL2	ENST00000228865.2
SLC35E3	ENST00000398004.2
GIMAP6	ENST00000493969.1
ATP2B2	ENST00000352432.4
TMEM67	ENST00000453321.3
NETO2	ENST00000562435.1
PAPD4	ENST00000453514.1
IPPK	ENST00000287996.3
IQGAP2	ENST00000274364.6
IARS2	ENST00000366922.1
BRE	ENST00000379632.2
PNRC1	ENST00000336032.3
PTDSS2	ENST00000308020.5
GHSR	ENST00000241256.2
RFT1	ENST00000296292.3
TRA2B	ENST00000453386.2
ENAH	ENST00000366844.3
RNF213	ENST00000582970.1
TRIM11	ENST00000493030.2
CHORDC1	ENST00000320585.6
PKHD1	ENST00000371117.3
AGTPBP1	ENST00000376083.3
RANBP6	ENST00000259569.5
HNRNPLL	ENST00000449105.3
NBN	ENST00000265433.3
STAU2	ENST00000522695.1
SIGLEC5	ENST00000599649.1
FRA10AC1	ENST00000536233.1
MRPS23	ENST00000313608.8
OR7A5	ENST00000594432.1
GSK3B	ENST00000264235.8
CTSV	ENST00000259470.5
TRMU	ENST00000381019.3
YLPM1	ENST00000552421.1
GNPTG	ENST00000204679.4
FUT4	ENST00000358752.2
UGGT2	ENST00000376747.3
SLC35A5	ENST00000492406.1
GPR137C	ENST00000321662.6

DIP2A	ENST00000318711.7
SMAD6	ENST00000288840.5
FCHSD1	ENST00000435817.2
EXT1	ENST00000378204.2
TROAP	ENST00000257909.3
DYRK1A	ENST00000339659.4
LGALS1	ENST00000215909.5
IBSP	ENST00000226284.5
GRIN2A	ENST00000562109.1
NAALAD2	ENST00000534061.1
G6PC2	ENST00000421979.1
CTNND1	ENST00000524630.1
GSG1	ENST00000396302.3
LRRC6	ENST00000519595.1
GPR34	ENST00000378142.4
KLHL36	ENST00000564996.1
C9orf3	ENST00000297979.5
C3	ENST00000245907.6
E2F1	ENST00000343380.5
TMEM233	ENST00000426426.1
C6orf25	ENST00000375810.4
PPID	ENST00000307720.3
IL5RA	ENST00000438560.1
GPR137B	ENST00000366592.3
DUSP1	ENST00000239223.3
TFG	ENST00000240851.4
GNB1L	ENST00000329517.6
GRAP2	ENST00000344138.4
SPIC	ENST00000551346.1
ACTR3	ENST00000263238.2
SLC2A1	ENST00000426263.3
PFKM	ENST00000312352.7
PHYH	ENST00000396913.2
SLFN12L	ENST00000260908.7
AKR1C4	ENST00000380448.1
MB	ENST00000401702.1
BSND	ENST00000371265.4
DLK1	ENST00000341267.4
NPSR1	ENST00000381539.3
TNIP3	ENST00000507879.1
CYP2C19	ENST00000371321.3
PRH2	ENST00000396400.3
PHF19	ENST00000373896.3
EMC10	ENST00000376918.3
RUNDC1	ENST00000361677.1
CCNB1	ENST00000256442.5
TRAPPC8	ENST00000283351.4
NCKIPSD	ENST00000416649.2
SEC16B	ENST00000308284.6
CRP	ENST00000255030.5
ZFP62	ENST00000512132.1
CLPP	ENST00000596605.1
TG	ENST00000519543.1
P2RY10	ENST00000171757.2

OR2A4	ENST00000315453.2
RCL1	ENST00000381750.4
DNAH9	ENST00000262442.4
SLC2A9	ENST00000264784.3
CDH19	ENST00000540086.1
MBL2	ENST00000373968.3
C18orf42	ENST00000580650.1
CD1C	ENST00000368170.3
PPWD1	ENST00000261308.5
BTAF1	ENST00000265990.6
MRPL12	ENST00000333676.3
FPR1	ENST00000595042.1
RAB18	ENST00000356940.6
SERPINA7	ENST00000327674.4
AAGAB	ENST00000261880.5
HAAO	ENST00000294973.6
LMF1	ENST00000262301.11
WNT1	ENST00000293549.3
GSC2	ENST00000086933.2
GLYAT	ENST00000344743.3
IL1RAPL1	ENST00000378993.1
ZNF763	ENST00000590798.1
PELP1	ENST00000574876.1
LSM14A	ENST00000433627.5
LRRC4C	ENST00000278198.2
METTL24	ENST00000338882.4
PODNL1	ENST00000538517.2
MGAT4C	ENST00000604798.1
RPS23	ENST00000296674.8
ADORA3	ENST00000369716.4
TRIM55	ENST00000276573.7
CNPPD1	ENST00000360507.5
PCSK9	ENST00000302118.5
BCL2L15	ENST00000393316.3
ANGPTL1	ENST00000234816.2
TSC22D2	ENST00000361875.3
ATHL1	ENST00000409548.2
ZMYM4	ENST00000314607.6
GTF3C2	ENST00000359541.2
TGFBI	ENST00000442011.2
FHL5	ENST00000541107.1
QDPR	ENST00000508623.1
SP3	ENST00000310015.6
THAP7	ENST00000215742.4
GABRR2	ENST00000402938.3
AQP6	ENST00000315520.5
MKKS	ENST00000347364.3
RP11-867G23.8	ENST00000531602.1
ZNF699	ENST00000591998.1
ERBB3	ENST00000267101.3
KCNH1	ENST00000271751.4
PCDH11X	ENST00000504220.2
RP11-73M18.2	ENST00000472726.2
TSPAN33	ENST00000289407.4

MSH2	ENST00000233146.2
SND1	ENST00000354725.3
FOXK2	ENST00000335255.5
NSMCE1	ENST00000361439.4
CDR1	ENST00000370532.2
CENPH	ENST00000283006.2
TP53BP2	ENST00000391878.2
ECHDC3	ENST00000379215.4
GPR22	ENST00000304402.4
PF4	ENST00000296029.3
ZFP36L2	ENST00000282388.3
MLIP	ENST00000274897.5
EGF	ENST00000265171.5
DNASE1L3	ENST00000486455.1
IFT74	ENST00000380062.5
EVI2A	ENST00000461237.1
COLEC10	ENST00000332843.2
MAMDC4	ENST00000317446.2
FAM181B	ENST00000329203.3
CRISP1	ENST00000335847.4
HDAC2	ENST00000519065.1
BMP10	ENST00000295379.1
CD63	ENST00000548898.1
ANKHD1	ENST00000360839.2
ANGPT4	ENST00000381922.3
FNDC5	ENST00000496770.1
ASB15	ENST00000451558.1
MT1F	ENST00000334350.6
GPR78	ENST00000382487.4
SARS	ENST00000369923.4
CLEC17A	ENST00000417570.1
TLR4	ENST00000355622.6
RCN2	ENST00000394885.3
ATG2A	ENST00000421419.2
FAAH	ENST00000243167.8
CYTIP	ENST00000264192.3
TYRP1	ENST00000388918.5
NLRP9	ENST00000332836.2
CD180	ENST00000256447.4
EHF	ENST00000257831.3
DLD	ENST00000205402.5
GALNT8	ENST00000252318.2
COLEC11	ENST00000236693.7
ARL6IP6	ENST00000326446.5
NBPF24	ENST00000369226.3
LAIR1	ENST00000391743.3
ATIC	ENST00000236959.9
SHC3	ENST00000375835.4
MYO1G	ENST00000258787.7
HUWE1	ENST00000342160.3
DHX30	ENST00000446256.2
TTR	ENST00000237014.3
SRSF7	ENST00000313117.6
TUBGCP2	ENST00000252936.3

XRCC5	ENST00000392133.3
AGAP9	ENST00000453919.1
G3BP2	ENST00000395719.3
ENPP5	ENST00000371383.2
TLR8	ENST00000218032.6
ABHD16B	ENST00000369916.3
ABCD2	ENST00000308666.3
CAPZB	ENST00000375142.1
APOB	ENST00000233242.1
FCN2	ENST00000350339.2
TRIM72	ENST00000322122.3
SLC22A18AS	ENST00000533594.1
WDR77	ENST00000235090.5
BST1	ENST00000382346.3
ZBTB38	ENST00000514251.1
LTF	ENST00000231751.4
DDX53	ENST00000327968.5
PTPRF	ENST00000372414.3
NKX2-1	ENST00000354822.5
FZD8	ENST00000374694.1
QSOX1	ENST00000367602.3
MRPL22	ENST00000523037.1
GATSL2	ENST00000426327.3
CARD11	ENST00000396946.4
EMC1	ENST00000477853.1
ABCA6	ENST00000284425.2
TCP10L	ENST00000300258.3
EPS8	ENST00000543523.1
HBS1L	ENST00000367837.5
GNRHR	ENST00000420975.2
USP15	ENST00000353364.3
INSIG1	ENST00000342407.5
TCP1	ENST00000321394.7
NUDCD3	ENST00000355451.7
ZNF141	ENST00000240499.7
RANGAP1	ENST00000405486.1
TIMD4	ENST00000274532.2
TIMELESS	ENST00000229201.4
HPS4	ENST00000398145.2
SEC23B	ENST00000336714.3
RAB43	ENST00000476465.1
NDNF	ENST00000379692.4
WDR13	ENST00000218056.5
LLPH	ENST00000266604.2
LHPP	ENST00000368839.1
SLC25A4	ENST00000281456.6
C12orf79	ENST00000549802.1
LRP8	ENST00000306052.6
ADAM7	ENST00000175238.6
FAM229B	ENST00000368656.2
NUP93	ENST00000542526.1
ARGFX	ENST00000334384.3
DNAJC15	ENST00000379221.2
EIF2A	ENST00000460851.1

RNF126	ENST00000292363.5
CRHR2	ENST00000506074.2
SOBP	ENST00000317357.5
FUS	ENST00000254108.7
TCF3	ENST00000262965.5
TMEM39A	ENST00000319172.5
MFSD12	ENST00000398558.4
SHMT1	ENST00000316694.3
WDR75	ENST00000314761.4
LRRC34	ENST00000446859.1
SMTNL2	ENST00000338859.4
LRRC2	ENST00000395905.3
EBF4	ENST00000380648.4
GPR183	ENST00000376414.4
ANKS4B	ENST00000311620.5
GGACT	ENST00000376250.2
LMCD1	ENST00000157600.3
CRMP1	ENST00000324989.7
SF3A1	ENST00000215793.8
TIMM50	ENST00000599794.1
KIAA1715	ENST00000272748.4
NRG3	ENST00000372142.2
MARCH6	ENST00000274140.5
AQP1	ENST00000509504.1
ANKFY1	ENST00000341657.4
CELF3	ENST00000290585.4
IL10RA	ENST00000227752.3
FGB	ENST00000302068.4
VCAM1	ENST00000347652.2
KLF2	ENST00000248071.5
POLD4	ENST00000312419.3
COPS8	ENST00000354371.2
FAM208A	ENST00000493960.2
RPS6KL1	ENST00000555647.1
CYFIP1	ENST00000313077.7
CLDN11	ENST00000064724.3
LRRC40	ENST00000370952.3
SPATA6L	ENST00000381890.5
DLGAP3	ENST00000373347.1
FAM213A	ENST00000372187.5
C9orf156	ENST00000375119.3
ZNF334	ENST00000457685.2
NQO2	ENST00000338130.2
ARHGAP12	ENST00000311380.4
C16orf45	ENST00000300006.4
RWDD1	ENST00000466444.2
DNAJB4	ENST00000370763.5
RPS24	ENST00000435275.1
PXK	ENST00000463280.1
LRRC49	ENST00000260382.5
CLEC4C	ENST00000542353.1
GUCY1A3	ENST00000296518.7
CPED1	ENST00000310396.5
SOX17	ENST00000297316.4

PCNXL2	ENST00000258229.9
RNLS	ENST00000331772.4
CPVL	ENST00000265394.5
HSD11B1	ENST00000367028.2
CCRN4L	ENST00000280614.2
IFIT1	ENST00000371804.3
C11orf54	ENST00000528288.1
KIAA1551	ENST00000312561.4
DDR GK1	ENST00000354488.3
ZNF140	ENST00000355557.2
FAM120AOS	ENST00000423591.1
C8A	ENST00000361249.3
BLVRA	ENST00000402924.1
GLTSCR2	ENST00000246802.5
FAM127C	ENST00000391440.1
CHST2	ENST00000309575.3
MYH9	ENST00000216181.5
GPR56	ENST00000388812.4
PANK2	ENST00000497424.1
SOCS5	ENST00000306503.5
UQCR11	ENST00000589880.1
CFL2	ENST00000341223.3
ST20-MTHFS	ENST00000479961.1
MYO1F	ENST00000338257.8
PRMT7	ENST00000339507.5
MRPL39	ENST00000352957.4
HNRNPA0	ENST00000314940.4
INTS6	ENST00000311234.4
TNFAIP8L3	ENST00000327536.5
PRPF4	ENST00000374199.4
CACNA1C	ENST00000399655.1
CYB5D2	ENST00000301391.3
CYP20A1	ENST00000356079.4
SCN1A	ENST00000423058.2
BET1	ENST00000222547.3
CD1D	ENST00000368171.3
GPR35	ENST00000319838.5
FHL2	ENST00000409177.1
N6AMT1	ENST00000303775.5
BLOC1S2	ENST00000441611.1
MSRB2	ENST00000376510.3
PLCL1	ENST00000428675.1
PRDX2	ENST00000301522.2
FGG	ENST00000404648.3
MTHFS	ENST00000258874.3
CYB5A	ENST00000299438.9
SLA	ENST00000338087.5
GPC5	ENST00000377067.3
CHRFAM7A	ENST00000397827.3
APOBEC3F	ENST00000308521.5
PCK1	ENST00000319441.4
GPI	ENST00000415930.3
LOXL2	ENST00000389131.3
PPDPF	ENST00000370179.3

CACNA1B	ENST00000277551.2
PIK3AP1	ENST00000339364.5
GPR125	ENST00000334304.5
GPR25	ENST00000304244.2
C18orf32	ENST00000579820.1
ACE	ENST00000290866.4
PPP2R1A	ENST00000322088.6
TCEANC2	ENST00000234827.1
AKAP11	ENST00000025301.2
SYCP2L	ENST00000283141.6
BID	ENST00000317361.7
KCNQ5	ENST00000370398.1
RIT1	ENST00000368323.3
TMEM257	ENST00000408967.2
ACKR4	ENST00000249887.2
RNF41	ENST00000345093.4

Gene name	3P-seq tags + 5
POU class 2 associating factor 1	19
LIM domain containing preferred translocation	1894
UDP-Gal:betaGlcNAc beta 1,4- galactosyltransfe	196
cytochrome P450, family 3, subfamily A, polype	5
cysteine-serine-rich nuclear protein 3	24
chromosome 9 open reading frame 152	5
lysophosphatidic acid receptor 6	5
serine palmitoyltransferase, small subunit B	15
calcium/calmodulin-dependent protein kinase IV	73
Alport syndrome, mental retardation, midface h	5
sterile alpha motif domain containing 12	57
XK, Kell blood group complex subunit-related f	5
potassium inwardly-rectifying channel, subfami	5
pleckstrin homology domain containing, family	7
atypical chemokine receptor 2	5
protein tyrosine phosphatase, receptor type, T	5
ribosomal protein L7a	4327
glutathione S-transferase omega 1	377
CD209 molecule	5
EH-domain containing 2	2072
eukaryotic translation initiation factor 4E bi	690
adiponectin, C1Q and collagen domain containin	5
guanine nucleotide binding protein (G protein)	3695
ferritin, heavy polypeptide 1	15624
EF-hand calcium binding domain 6	23
D-amino acid oxidase activator	5
progesterone receptor membrane component 2	2089
AP2 associated kinase 1	27
GSG1-like	5
myotubularin related protein 1	489
Cbl proto-oncogene, E3 ubiquitin protein ligas	309
zinc finger protein 544	173
family with sequence similarity 83, member F	5
chromosome 1 open reading frame 143	5
proline rich 4 (lacrimal)	29
poly (ADP-ribose) polymerase family, member 11	75
signal sequence receptor, delta	6838
vacuolar protein sorting 13 homolog B (yeast)	262
phosphatidylinositol-specific phospholipase C,	81
phosphotriesterase related	217
decapping mRNA 1B	715
SRY (sex determining region Y)-box 4	2736
tyrosine 3-monooxygenase/tryptophan 5-monooxyg	473
tropomyosin 4	332
myeloproliferative leukemia virus oncogene	0
dimethylarginine dimethylaminohydrolase 1	46
heme binding protein 1	2855
transmembrane protein 14E	5
RUN and SH3 domain containing 1	909
rhotekin 2	192
paraneoplastic Ma antigen 2	362
protein phosphatase 1, regulatory (inhibitor)	17
growth regulation by estrogen in breast cancer	30

SIX homeobox 2	75
opioid binding protein/cell adhesion molecule-	5
sorting nexin family member 27	46
solute carrier family 39, member 9	824
chromosome 10 open reading frame 40	5
Protein LOC388813	5
	5
Berardinelli-Seip congenital lipodystrophy 2 (	169
PQ loop repeat containing 3	26
sprouty homolog 3 (Drosophila)	5
Sec23 homolog A (S. cerevisiae)	413
cyclic nucleotide gated channel alpha 3	5
glutaredoxin (thioltransferase)	79
selectin L	5
chromosome 11 open reading frame 87	5
discs, large (Drosophila) homolog-associated p	1064
cystatin A (stefin A)	5
adenylate kinase 4	116
v-rel avian reticuloendotheliosis viral oncoge	116
tyrosine aminotransferase	5
potassium intermediate/small conductance calci	5
ubiquilin 2	70
fibrinogen-like 2	189
sterile alpha motif domain containing 13	253
dual specificity phosphatase 10	70
CD4 molecule	5
protein tyrosine phosphatase type IVA, member	5740
mitochondrial ribosomal protein S6	3816
NAD(P) dependent steroid dehydrogenase-like	5261
doublecortin	5
neuroblastoma 1, DAN family BMP antagonist	852
5-hydroxytryptamine (serotonin) receptor 2C, G	5
N-acylsphingosine amidohydrolase (non-lysosoma	5
hydroxy-delta-5-steroid dehydrogenase, 3 beta-	5
MINOS1-NBL1 readthrough	852
synaptophysin-like 2	69
A kinase (PRKA) anchor protein 5	75
small proline-rich protein 1A	5
ring finger protein 125, E3 ubiquitin protein	214
G protein-coupled receptor 111	5
insulin-like growth factor binding protein 4	4053
one cut homeobox 2	847
heart and neural crest derivatives expressed 1	5
Sad1 and UNC84 domain containing 1	376
keratin associated protein 3-3	5
mitogen-activated protein kinase kinase kinase	44
endoplasmic reticulum protein 27	5
transmembrane protein 178B	129
Fc fragment of IgA, receptor for	5
protein kinase, cAMP-dependent, regulatory, ty	583
membrane-spanning 4-domains, subfamily A, memb	5
gamma-aminobutyric acid (GABA) A receptor, bet	5
hydroxy-delta-5-steroid dehydrogenase, 3 beta-	5
glutamate receptor, ionotropic, N-methyl D-asp	5

protein phosphatase 1, regulatory subunit 12B	18
uncoupling protein 2 (mitochondrial, proton ca	32
BTB (POZ) domain containing 19	61
tRNA aspartic acid methyltransferase 1	248
trichohyalin-like 1	5
eukaryotic translation initiation factor 4H	5
sulfotransferase family, cytosolic, 1C, member	97
brain and acute leukemia, cytoplasmic	137
neurensin 1	5
KIAA1737	57
oleoyl-ACP hydrolase	5
interleukin 2 receptor, gamma	10
basic leucine zipper transcription factor, ATF	212
tripartite motif containing 58	68
GRB2-binding adaptor protein, transmembrane	5
small integral membrane protein 11	108
tetra-peptide repeat homeobox 1	5
diacylglycerol kinase, eta	46
neuronal differentiation 4	5
kinase suppressor of ras 2	22
R-spondin 4	5
zinc finger, matrin-type 1	5
heat shock 105kDa/110kDa protein 1	4109
transmembrane and ubiquitin-like domain contai	1043
clathrin, light chain A	167
ubiquitin-conjugating enzyme E2G 2	681
WW domain containing adaptor with coiled-coil	322
CD1a molecule	5
transferrin receptor	296
CD3d molecule, delta (CD3-TCR complex)	8
PHD finger protein 6	630
zinc finger protein 391	63
basigin	6876
CDNA FLJ26875 fis, clone PRS08969; Uncharacter	22
cell division cycle 16	279
trafficking protein particle complex 3-like	5
Uncharacterized protein	5
apolipoprotein L, 6	5
chromosome 6 open reading frame 164	5
neuroblastoma breakpoint family, member 8	5
pyruvate dehydrogenase kinase, isozyme 3	659
ring finger protein 150	518
nuclear cap binding protein subunit 2, 20kDa	4301
sprouty homolog 1, antagonist of FGF signaling	150
zinc finger protein 25	11
BTG family, member 2	758
transketolase-like 1	6
peroxisomal, testis specific 1	5
integrin, alpha V	2407
chromosome 11 open reading frame 82	579
forkhead box F1	836
Uncharacterized protein	5
zinc finger and BTB domain containing 37	213
StAR-related lipid transfer (START) domain con	767

MMS22-like, DNA repair protein	102
GS homeobox 1	5
estrogen-related receptor gamma	5
zinc finger protein 280D	173
SGT1, suppressor of G2 allele of SKP1 (S. cere	430
TSPY-like 4	5
coronin, actin binding protein, 2B	751
interleukin 26	5
glutamate-cysteine ligase, modifier subunit	809
integrin, beta-like 1 (with EGF-like repeat do	106
meiosis/spermiogenesis associated 1	16
palmitoyl-protein thioesterase 1	1961
serpin peptidase inhibitor, clade B (ovalbumin	285
family with sequence similarity 195, member B	164
heparan sulfate 6-O-sulfotransferase 3	598
CDNA FLJ27256 fis, clone SYN09689; Uncharacter	24
E2F transcription factor 7	308
poly (ADP-ribose) polymerase 2	2959
keratin associated protein 9-6	5
zinc finger protein 33A	39
kelch repeat and BTB (POZ) domain containing 4	7
paralemmin 2	35
transmembrane (C-terminal) protease, serine 12	5
archain 1	1139
ring finger protein 181	329
kynurenine 3-monooxygenase (kynurenine 3-hydro	5
ubinuclein 2	238
leupaxin	1533
ZFP3 zinc finger protein	29
FYVE, RhoGEF and PH domain containing 6	21
estrogen receptor binding site associated, ant	238
aminomethyltransferase	63
beaded filament structural protein 2, phakinin	8
inter-alpha-trypsin inhibitor heavy chain fami	5
nuclear factor, erythroid 2	11
villin 1	390
TAF6 RNA polymerase II, TATA box binding prote	8012
BCL2-associated athanogene 6	1221
solute carrier family 22, member 15	25
bestrophin 2	5
carbonic anhydrase X	5
apolipoprotein L domain containing 1	27
arrestin domain containing 4	10
solute carrier family 4, sodium bicarbonate co	17
transmembrane protein 33	1470
Down syndrome critical region gene 3	494
lysine (K)-specific demethylase 5A	118
Ras suppressor protein 1	10596
Clq and tumor necrosis factor related protein	5
zinc finger, BED-type containing 3	399
	5
coiled-coil domain containing 60	5
elongator acetyltransferase complex subunit 4	282
Transcription factor SOX-7; Uncharacterized pr	47

CDC42 effector protein (Rho GTPase binding) 2	449
late endosomal/lysosomal adaptor, MAPK and MTO	1317
cytochrome b5 reductase 4	329
optic atrophy 3 (autosomal recessive, with cho	137
transmembrane protein 138	1694
rotatin	288
	5
proline rich 15-like	159
protein phosphatase 1, regulatory subunit 8	1066
APEX nuclease (multifunctional DNA repair enzy	15798
TELO2 interacting protein 2	188
T-cell acute lymphocytic leukemia 2	21
Rac/Cdc42 guanine nucleotide exchange factor (	15
zinc finger protein 660	5
integrin, alpha E (antigen CD103, human mucosa	683
sterol carrier protein 2	3640
inturned planar cell polarity protein	105
LMBR1 domain containing 2	211
centrosomal protein 250kDa	25
sorting nexin 6	254
small integral membrane protein 3	3180
paternally expressed 10	8778
zinc finger protein 236	60
myelin oligodendrocyte glycoprotein	5
protein phosphatase 4, catalytic subunit	59
chloride intracellular channel 6	16
sialic acid acetyesterase	22
late cornified envelope 1D	5
fibroblast growth factor 12	150
vesicle-associated membrane protein 2 (synapto	1840
leucine rich repeat containing 16A	718
ribosomal RNA adenine dimethylase domain conta	367
small integral membrane protein 19	265
branched chain amino-acid transaminase 1, cyto	1346
guanine nucleotide binding protein (G protein)	199
B-cell CLL/lymphoma 11B (zinc finger protein)	73
docking protein 6	8
pleckstrin homology-like domain, family A, mem	82
chromosome 8 open reading frame 48	22
glutathione S-transferase mu 5	5
	12
transmembrane channel-like 2	5
CD160 molecule	5
polypyrimidine tract binding protein 1	7007
solute carrier family 10, member 7	77
Zic family member 4	5
osteoclast stimulatory transmembrane protein	5
karyopherin alpha 4 (importin alpha 3)	111
kelch-like family member 17	46
chromosome 15 open reading frame 41	48
Homo sapiens glycosyltransferase 54 domain-con	5
syntrophin, beta 2 (dystrophin-associated prot	254
spastic paraplegia 21 (autosomal recessive, Ma	227
glial cells missing homolog 1 (Drosophila)	5

glycophorin A (MNS blood group)	5
midnolin	621
peroxisomal biogenesis factor 2	662
regulator of G-protein signaling 20	77
transporter 2, ATP-binding cassette, sub-famil	466
tocopherol (alpha) transfer protein-like	265
pim-1 oncogene	2041
cardiotrophin 1	25
RAB27B, member RAS oncogene family	5
clock circadian regulator	86
zinc finger protein 627	105
family with sequence similarity 3, member C	15
cell division cycle 14A	123
Sell repeat containing 1	321
zinc finger protein 345	24
MOB kinase activator 3B	52
zinc finger protein 30	99
zinc finger protein 772	22
Rho guanine nucleotide exchange factor (GEF) 2	156
ADP-ribosylation factor-like 8B	664
v-akt murine thymoma viral oncogene homolog 3	168
cyclin K	1777
Mdm4 p53 binding protein homolog (mouse)	443
zinc finger protein 440	12
zinc finger protein 154	5
transmembrane channel-like 3	5
corneodesmosin	5
tripartite motif containing 67	41
	5
additional sex combs like 3 (Drosophila)	65
fibroblast growth factor 16	5
p21 protein (Cdc42/Rac)-activated kinase 3	8
WNK lysine deficient protein kinase 3	55
adenosine deaminase	116
discs, large homolog 1 (Drosophila)	813
retinol dehydrogenase 11 (all-trans/9-cis/11-c	1177
DEAH (Asp-Glu-Ala-His) box polypeptide 16	879
Uncharacterized protein	5
myeloid-associated differentiation marker	3436
Uncharacterized protein	937
cerebellin 3 precursor	30
RAB2B, member RAS oncogene family	171
family with sequence similarity 222, member B	100
UDP-Gal:betaGlcNAc beta 1,3-galactosyltransfer	5
T-cell acute lymphocytic leukemia 1	5
olfactory receptor, family 52, subfamily B, me	5
family with sequence similarity 73, member B	651
calcium/calmodulin-dependent protein kinase I	3500
elastin microfibril interfacer 3	12
zinc finger protein 444	1792
PHD finger protein 2	151
cystatin B (stefin B)	203
chemokine (C-X-C motif) ligand 12	719
growth hormone receptor	102

CDNA FLJ20147 fis, clone COL07954; HCG1781466;	253
integrin, alpha 2 (CD49B, alpha 2 subunit of V	50
ATPase, Ca ⁺⁺ transporting, plasma membrane 1	699
beta-gamma crystallin domain containing 3	46
zinc finger with KRAB and SCAN domains 8	281
high mobility group 20A	391
follistatin-like 1	6788
serine-rich single-pass membrane protein 1	5
oxoglutarate (alpha-ketoglutarate) receptor 1	7
cullin-associated and neddylation-dissociated	1568
chorionic somatomammotropin hormone 2	5
potassium channel tetramerization domain conta	693
mucin 3A, cell surface associated	20
histone cluster 1, H2bf	16
dynactin 3 (p22)	1816
caspase recruitment domain family, member 16	18
chromosome 15 open reading frame 26	5
transmembrane emp24 domain trafficking protein	3025
chromosome 5 open reading frame 64	5
late cornified envelope 1B	5
C2 calcium-dependent domain containing 3	605
peptidase inhibitor 3, skin-derived	26
profilin 2	2184
NADH dehydrogenase (ubiquinone) 1 alpha subcom	28
serine/threonine kinase 24	486
lymphocyte antigen 9	5
chromosome 20 open reading frame 141	5
fragile histidine triad	141
zinc finger, CCHC domain containing 17	100
tektin 1	5
N-acylsphingosine amidohydrolase (non-lysosoma	5
hydroxyprostaglandin dehydrogenase 15-(NAD)	140
KIAA1549	508
sulfotransferase family, cytosolic, 1B, member	5
fructosamine 3 kinase related protein	486
regulator of G-protein signaling 7	8
abhydrolase domain containing 10	929
angiopoietin-like 7	5
chromosome 20 open reading frame 85	5
lysozyme-like 2	5
pepsinogen 4, group I (pepsinogen A)	5
BRCA1 associated RING domain 1	162
stathmin-like 4	5
interferon-induced protein with tetratricopept	9
sentan, cilia apical structure protein	5
transmembrane protein 254	61
interferon regulatory factor 2 binding protein	30
RAD50 interactor 1	26
prostate and testis expressed 3	5
lysozyme-like 1	5
family with sequence similarity 13, member B	220
CWC27 spliceosome-associated protein homolog (	94
smoothed, frizzled family receptor	142
transmembrane protein 155	5

pepsinogen 3, group I (pepsinogen A)	5
uroplakin 2	5
DnaJ (Hsp40) homolog, subfamily C, member 19	223
signal transducer and activator of transcripti	326
oxidoreductase-like domain containing 1	1608
tripartite motif containing 22	163
testis-specific serine kinase 6	5
solute carrier family 44, member 3	13
praja ring finger 2, E3 ubiquitin protein liga	220
ER degradation enhancer, mannosidase alpha-lik	948
TSPY-like 1	2195
G patch domain containing 2-like	96
coiled-coil domain containing 112	370
LIM and senescent cell antigen-like domains 1	68
keratin associated protein 9-7	5
chromosome 2 open reading frame 76	11
zinc finger protein 704	124
regulator of G-protein signaling 5	56
keratin 37	5
SSU72 RNA polymerase II CTD phosphatase homolo	262
ARP3 actin-related protein 3 homolog B (yeast)	660
acyl-CoA synthetase medium-chain family member	5
solute carrier family 7 (amino acid transporte	15
histone cluster 2, H2be	256
V-set and immunoglobulin domain containing 1	5
ArfGAP with SH3 domain, ankyrin repeat and PH	196
keratin 78	5
hydroxycarboxylic acid receptor 1	38
RING1 and YY1 binding protein	342
mitotic spindle organizing protein 2B	44
MICAL C-terminal like	62
prefoldin subunit 4	4331
signal-regulatory protein gamma	5
claudin 9	5
trans-golgi network vesicle protein 23 homolog	5
acireductone dioxygenase 1	5881
arrestin, beta 2	158
aldehyde dehydrogenase 1 family, member A2	401
translocation associated membrane protein 2	2774
SPRY domain containing 4	1999
interleukin 17A	5
PDZ domain containing ring finger 4	5
protein prenyltransferase alpha subunit repeat	161
isoleucyl-tRNA synthetase	65
TMEM56-RWDD3 protein	49
S100 calcium binding protein A7A	5
nuclear assembly factor 1 ribonucleoprotein	1208
caseinolytic mitochondrial matrix peptidase ch	251
late cornified envelope 1E	5
ligand dependent nuclear receptor corepressor-	194
solute carrier family 39, member 11	544
kelch domain containing 10	347
neurotrophic tyrosine kinase, receptor, type 2	48
chromosome 3 open reading frame 55	7

testis expressed 30	231
HMG box domain containing 4	966
retinol binding protein 5, cellular	256
olfactory receptor, family 51, subfamily E, me	5
forkhead box P1	264
solute carrier family 16 (monocarboxylate tran	26
hypoxia inducible factor 3, alpha subunit	5
fatty acid amide hydrolase 2	65
WD repeat domain 26	1229
chromosome 9 open reading frame 142	1840
Uncharacterized protein	5
late cornified envelope 4A	5
transmembrane protein 59-like	33
zinc finger, DHHC-type containing 23	10
cholecystokinin A receptor	5
galactokinase 2	626
family with sequence similarity 71, member F1	5
myelin protein zero-like 1	3146
Ral GTPase activating protein, beta subunit (n	1120
plasmalemma vesicle associated protein	5
defensin, beta 110 locus	5
COX assembly mitochondrial protein 2 homolog (	87
Rap guanine nucleotide exchange factor (GEF) 1	335
RCAN family member 3	395
ADAM metallopeptidase domain 32	5
lymphocyte antigen 6 complex, locus D	5
transmembrane protein 260	44
wingless-type MMTV integration site family, me	13
retinol binding protein 3, interstitial	5
phosphodiesterase 3B, cGMP-inhibited	258
ribosomal modification protein rimK-like famil	164
coiled-coil domain containing 66	38
chemokine (C-X-C motif) ligand 17	8
solute carrier family 26 (anion exchanger), me	5
interferon regulatory factor 6	28
akirin 1	798
transportin 1	2041
proline-rich coiled-coil 2B	97
microfibrillar-associated protein 3-like	69
carboxypeptidase N, polypeptide 2	8
receptor accessory protein 1	49
inosine triphosphatase (nucleoside triphosphat	187
thymic stromal lymphopoietin	62
sidekick cell adhesion molecule 1	60
tripartite motif containing 4	694
glycolipid transfer protein	5
glutathione S-transferase mu 4	767
cyclin H	250
coiled-coil domain containing 149	187
serine/threonine kinase 35	263
serpin peptidase inhibitor, clade B (ovalbumin	5
small muscle protein, X-linked	19
microphthalmia-associated transcription factor	593
prostaglandin E synthase 3 (cytosolic)-like	139

aquaporin 2 (collecting duct)	5
adaptor-related protein complex 3, sigma 1 sub	24
vacuolar protein sorting 26 homolog A (S. pomb	127
transmembrane protein 194A	43
islet cell autoantigen 1,69kDa-like	82
zinc finger protein 654	456
RPA3 antisense RNA 1	22
mannosidase, alpha, class 1A, member 2	603
spindle and kinetochore associated complex sub	414
arginase 2	6
dynein, light chain, Tctex-type 3	27
SRSF protein kinase 1	114
ADP-ribosylation factor interacting protein 1	275
mitotic spindle organizing protein 2A	25
adaptor-related protein complex 1, sigma 3 sub	130
mannosidase, beta A, lysosomal-like	2819
potassium voltage-gated channel, KQT-like subf	5
argonaute RISC catalytic component 1	402
malectin	12084
ArfGAP with SH3 domain, ankyrin repeat and PH	185
oxysterol binding protein	101
aarF domain containing kinase 1	215
forkhead box L2	20
MAP3K7 C-terminal like	87
programmed cell death 1 ligand 2	64
MTERF domain containing 2	704
secretory carrier membrane protein 4	223
homeobox A10	1910
PHD finger protein 21B	8
DnaJ (Hsp40) homolog, subfamily C, member 4	67
secretagogin, EF-hand calcium binding protein	590
fibrinogen alpha chain	1401
RecQ mediated genome instability 2	17
UBX domain protein 10	5
	3180
gamma-aminobutyric acid (GABA) A receptor, alp	5
olfactory receptor, family 12, subfamily D, me	5
complement component 5a receptor 2	5
chromosome 12 open reading frame 36	5
SMAD family member 4	403
heat shock protein, alpha-crystallin-related,	121
unc-5 homolog C (C. elegans)	60
keratin associated protein 2-1	5
protocadherin 9	102
syntaxin 16	756
COMM domain containing 9	1146
chromosome 14 open reading frame 1	4423
prolyl 4-hydroxylase, alpha polypeptide II	1077
chemokine (C motif) receptor 1	5
tripartite motif containing 52	43
vacuolar protein sorting 52 homolog (S. cerevi	124
annexin A13	5
family with sequence similarity 107, member A	12
Homo sapiens coiled-coil domain-containing pro	5

nudix (nucleoside diphosphate linked moiety X)	17
protein tyrosine phosphatase, receptor type, C	7
leucine, glutamate and lysine rich 1	7
DENN/MADD domain containing 1B	6
carboxypeptidase A4	1319
forkhead box J2	9
sema domain, seven thrombospondin repeats (typ	98
exonuclease 5	237
tripartite motif containing 5	435
WAP four-disulfide core domain 1	196
cyclin-dependent kinase 17	475
aquaporin 4	10
nucleotide-binding oligomerization domain cont	8
5-hydroxytryptamine (serotonin) receptor 3E, i	5
dermatopontin	5
SH3 domain containing 19	245
proline synthetase co-transcribed homolog (bac	414
UDP-glucose ceramide glucosyltransferase	1200
pleckstrin homology domain containing, family	5
ankyrin repeat and SOCS box containing 11	5
claudin 8	5
chromosome 6 open reading frame 136	307
IKAROS family zinc finger 5 (Pegasus)	83
DIRAS family, GTP-binding RAS-like 2	5
peroxisomal biogenesis factor 11 beta	766
6-phosphofructo-2-kinase/fructose-2,6-biphosph	83
INTS3 and NABP interacting protein	423
disrupted in schizophrenia 1	132
GATA binding protein 3	136
insulin-like growth factor 2 mRNA binding prot	460
nicastrin	578
taste receptor, type 2, member 5	16
retinoblastoma binding protein 8	88
aspartate beta-hydroxylase domain containing 2	102
potassium voltage-gated channel, Isk-related f	5
abl-interactor 1	317
zinc finger, DHHC-type containing 15	5
coiled-coil domain containing 115	329
E2F transcription factor 3	91
phosphodiesterase 4B, cAMP-specific	127
acrosomal vesicle protein 1	5
aryl hydrocarbon receptor nuclear translocator	283
family with sequence similarity 71, member E1	89
Purkinje cell protein 4 like 1	23
RBM14-RBM4 readthrough	151
sperm-tail PG-rich repeat containing 1	24
keratin 31	5
phosphoglycerate kinase 2	5
nuclear factor I/B	1149
protein-L-isoaspartate (D-aspartate) O-methylt	476
immunoglobulin superfamily, DCC subclass, memb	12
small integral membrane protein 9	5
proteolipid protein 1	5
HGF activator	15

RNA binding motif protein 4	151
neuro-oncological ventral antigen 2	7
ubiquinol-cytochrome c reductase complex assem	500
RAB30, member RAS oncogene family	274
progesterone and adiponectin receptor family member IX	233
tumor necrosis factor (ligand) superfamily, me	30
family with sequence similarity 60, member A	58
small proline-rich protein 4	5
S100 calcium binding protein A11	433
GC-rich sequence DNA-binding factor 2	88
solute carrier family 25, member 30	92
spermatogenesis associated 3	5
alcohol dehydrogenase 1A (class I), alpha poly	5
transmembrane emp24 protein transport domain c	3117
cyclin-dependent kinase 3	109
chromosome 20 open reading frame 26	5
RIC3 acetylcholine receptor chaperone	5
transmembrane 4 L six family member 4	348
inositol 1,4,5-trisphosphate receptor interact	893
cancer/testis antigen 62	5
midline 2	194
ataxin 7-like 1	67
COMM domain containing 2	833
methylcrotonoyl-CoA carboxylase 2 (beta)	1590
killer cell immunoglobulin-like receptor, two	5
ubiquitin-conjugating enzyme E2G 1	5620
zinc finger protein 552	9
killer cell immunoglobulin-like receptor, two	5
KIAA1671	549
keratin associated protein 5-2	5
HERV-H LTR-associating 3	5
family with sequence similarity 13, member C	343
serpin peptidase inhibitor, clade I (panc1),	5
casein kappa	5
synapsin III	5
DnaJ (Hsp40) homolog, subfamily C, member 27	41
CAP-GLY domain containing linker protein famil	490
kinesin heavy chain member 2A	905
coiled-coil-helix-coiled-coil-helix domain con	8
oligodendrocyte lineage transcription factor 2	15
TMPRSS11B N-terminal like	5
solute carrier family 22 (organic cation/carni	0
keratin associated protein 9-9	5
thioredoxin-related transmembrane protein 2	1344
polymerase (RNA) III (DNA directed) polypeptid	216
protein phosphatase 1, regulatory subunit 3C	416
ring finger protein 165	18
intraflagellar transport 46 homolog (Chlamydom	214
homeobox A1	157
NAD(P)H dehydrogenase, quinone 1	4421
dermatan sulfate epimerase-like	26
H2B histone family, member M	5
E2F-associated phosphoprotein	2883
enamelin	5

distal-less homeobox 6	76
antioxidant 1 copper chaperone	43
cytochrome b561 family, member D1	105
signal recognition particle 54kDa	1789
insulinoma-associated 2	5
G protein-coupled receptor 39	151
sepiapterin reductase (7,8-dihydrobiopterin:NA	554
diencephalon/mesencephalon homeobox 1	31
NudC domain containing 2	308
HECT and RLD domain containing E3 ubiquitin pr	18
vestigial like 3 (Drosophila)	187
PBX/knotted 1 homeobox 2	46
Fc receptor-like 1	5
sulfotransferase family, cytosolic, 1C, member	16
triple QxxK/R motif containing	210
F-box protein 3	813
purine nucleoside phosphorylase	50
arginine and glutamate rich 1	9450
KIAA1147	73
B-cell acute lymphoblastic leukemia expressed	5
v-myc avian myelocytomatosis viral oncogene ho	22906
coiled-coil domain containing 39	5
NAD kinase	173
cytochrome P450, family 4, subfamily F, polype	121
ATP-binding cassette, sub-family B (MDR/TAP),	5
methylmalonyl CoA epimerase	34
histone cluster 1, H2bk	57
major intrinsic protein of lens fiber	5
ADP-ribosylarginine hydrolase	5
inositol hexakisphosphate kinase 3	8
ADP-ribosylation factor GTPase activating prot	6000
solute carrier organic anion transporter famil	1614
SprT-like N-terminal domain	1128
FK506 binding protein 8, 38kDa	118
exostosin-like glycosyltransferase 2	204
solute carrier family 25, member 46	391
SPRY domain containing 3	353
chromosome 14 open reading frame 2	1228
synaptotagmin XV	5
echinoderm microtubule associated protein like	62
Uncharacterized protein	5
RNA binding motif protein 22	4854
nuclear GTPase, germinal center associated	10
cytochrome P450, family 2, subfamily B, polype	5
RAR-related orphan receptor A	102
TM2 domain containing 2	1085
lin-7 homolog C (C. elegans)	1701
voltage-dependent anion channel 1	106
ring finger protein 121	610
toll-interleukin 1 receptor (TIR) domain conta	82
G protein-coupled receptor 27	781
placenta-specific 9	7
loricrin	5
inositol-trisphosphate 3-kinase B	5

protein tyrosine phosphatase, receptor type, H	21
ankyrin repeat domain 65	5
arylacetamide deacetylase	5
RNA binding motif protein, X-linked-like 2	5
SH2B adaptor protein 3	89
family with sequence similarity 76, member A	173
family with sequence similarity 89, member A	368
ATP-binding cassette, sub-family D (ALD), memb	53
ring finger and CHY zinc finger domain contain	821
interleukin 2 receptor, alpha	5
par-6 family cell polarity regulator beta	277
GPRIN family member 3	213
remodeling and spacing factor 1	216
membrane metallo-endopeptidase	37
RAB GTPase activating protein 1-like	364
homeobox B5	55
family with sequence similarity 187, member A	31
muscleblind-like splicing regulator 1	135
gamma-aminobutyric acid (GABA) A receptor, gam	5
gap junction protein, beta 1, 32kDa	96
HSPA (heat shock 70kDa) binding protein, cytop	368
ER lipid raft associated 1	86
solute carrier family 39 (zinc transporter), m	2413
sortilin-related VPS10 domain containing recep	88
plexin A2	8
paired box 7	7
OTU domain containing 6A	5
C-type lectin domain family 6, member A	5
retinoblastoma binding protein 4	486
zinc finger protein 561	156
von Hippel-Lindau tumor suppressor, E3 ubiquit	2386
SEC22 vesicle trafficking protein homolog A (S	294
T-cell leukemia/lymphoma 1B	5
aquaporin 8	7
ELAV like neuron-specific RNA binding protein	5
peptidylprolyl isomerase A (cyclophilin A)-lik	5
mitochondrial ribosomal protein L13	1730
cytochrome c oxidase assembly homolog 10 (yeas	72
peptidylprolyl isomerase A (cyclophilin A)-lik	5
olfactory receptor, family 52, subfamily L, me	5
protein kinase, DNA-activated, catalytic polyp	707
chemokine (C-C motif) ligand 22	5
eukaryotic elongation factor-2 kinase	115
transmembrane protein 218	553
peptidylprolyl isomerase A (cyclophilin A)-lik	5
peptidylprolyl isomerase A (cyclophilin A)-lik	5
peptidylprolyl isomerase A (cyclophilin A)-lik	5
calcium channel, voltage-dependent, gamma subu	5
long intergenic non-protein coding RNA 923	5
sperm associated antigen 6	23
hippocampus abundant transcript-like 2	111
phosphoribosyl pyrophosphate synthetase 1	2966
TBC1 domain family, member 5	400
HOP homeobox	55

ubiquitin-conjugating enzyme E2B	3421
acetyl-CoA acyltransferase 2	189
SLIT and NTRK-like family, member 5	429
Myb/SANT-like DNA-binding domain containing 4	304
calpain 9	5
interleukin 6 (interferon, beta 2)	472
interleukin-1 receptor-associated kinase 3	13
tyrosine 3-monooxygenase/tryptophan 5-monooxyg	7321
enhancer of rudimentary homolog (Drosophila)	843
alcohol dehydrogenase 6 (class V)	17
transmembrane protein 154	5
dopamine receptor D4	20
PAN2 poly(A) specific ribonuclease subunit hom	310
olfactory receptor, family 10, subfamily AD, m	5
complement component 9	5
secretory carrier membrane protein 5	127
THO complex 3	29
EWS RNA-binding protein 1	8833
zinc finger protein 259	265
Esophagus cancer-related gene-2 interaction su	30
Uncharacterized protein	5
transcription factor AP-2 gamma (activating en	22
TNF receptor-associated factor 3	833
solute carrier family 6 (neurotransmitter tran	83
carbohydrate (N-acetylgalactosamine 4-0) sulfo	20
WAP four-disulfide core domain 9	5
HIRA interacting protein 3	4526
CD68 molecule	267
transmembrane protein 167B	42
dual specificity phosphatase 9	3766
secreted protein, acidic, cysteine-rich (osteo	2467
zinc finger protein 460	164
ring finger protein 139	237
bone morphogenetic protein 8b	88
zinc finger, CCHC domain containing 8	297
PR domain containing 7	5
myeloid leukemia factor 2	623
regulator of microtubule dynamics 2	7
chemokine (C-X-C motif) ligand 9	5
basic helix-loop-helix family, member e40	1571
chromosome 9 open reading frame 85	57
cat eye syndrome chromosome region, candidate	5
suppressor APC domain containing 1	12
Fc fragment of IgG, low affinity IIIa, recepto	5
chloride intracellular channel 4	226
protein kinase, cAMP-dependent, regulatory, ty	1257
PR domain containing 1, with ZNF domain	48
chromosome 2 open reading frame 49	161
transient receptor potential cation channel, s	242
granulysin	5
THAP domain containing, apoptosis associated p	109
CD101 molecule	5
NDRG family member 3	960
clavesin 2	19

LY6/PLAUR domain containing 6	261
CDC42 small effector 2	1057
cystatin S	5
mbt domain containing 1	113
chromosome 10 open reading frame 82	5
chromosome 12 open reading frame 68	5
v-erb-b2 avian erythroblastic leukemia viral o	27
DDB1- and CUL4-associated factor 8	1924
GABA(A) receptor-associated protein	10137
cytidine deaminase	302
zinc finger protein 423	170
cyclin-dependent kinase 15	7
protein phosphatase 1, regulatory (inhibitor)	8
NME1-NME2 readthrough	191
T-box 3	71
cyclin T2	381
F-box protein 47	5
chromosome 11 open reading frame 72	5
megalencephalic leukoencephalopathy with subco	5
ST8 alpha-N-acetyl-neuraminide alpha-2,8-sialy	5
aprataxin and PNKP like factor	57
RAD51 recombinase	838
zinc finger protein 770	52
prostaglandin E synthase	248
Mdml nuclear protein homolog (mouse)	146
UDP glycosyltransferase 3 family, polypeptide	5
Fas-activated serine/threonine kinase	645
GINS complex subunit 1 (Psf1 homolog)	56
annexin A5	9387
ring finger protein 144A	124
calmegin	288
caspase 14, apoptosis-related cysteine peptida	5
zinc finger protein 676	5
Selenoprotein M	1505
nuclear receptor subfamily 4, group A, member	244
prostate and testis expressed 1	5
kelch repeat and BTB (POZ) domain containing 7	362
fission 1 (mitochondrial outer membrane) homol	11997
2'-deoxynucleoside 5'-phosphate N-hydrolase 1	101
dishevelled associated activator of morphogene	167
keratin associated protein 8-1	5
cystatin D	5
neurogenin 2	5
NFKB activating protein	422
phosphoribosyl pyrophosphate synthetase 2	739
LSM1 homolog, U6 small nuclear RNA associated	920
tropomyosin 1 (alpha)	21798
WAS protein family, member 2	311
homeobox D3	23
melanoma antigen family E, 2	5
mature T-cell proliferation 1	18
solute carrier family 28 (concentrative nucleo	14
F-box protein 28	461
PWWP domain containing 2A	272

kinectin 1 (kinesin receptor)	469
lymphocyte antigen 6 complex, locus G6C	5
ZFP69 zinc finger protein B	176
pleckstrin homology domain containing, family	529
transmembrane protein 200B	152
von Willebrand factor A domain containing 9	4511
zinc finger protein 436	73
phosphoglucomutase 2-like 1	183
HCG2028865; Uncharacterized protein	5
ST8 alpha-N-acetyl-neuraminide alpha-2,8-sialy	9
parvin, alpha	1912
chromosome 7 open reading frame 41	235
arachidonate 15-lipoxygenase	5
cytoplasmic polyadenylation element binding pr	48
Uncharacterized protein	5
nicolin 1	244
integral membrane protein 2C	67220
MEF2BNB-MEF2B readthrough	35
cystatin SN	5
SMAD family member 1	240
endoplasmic reticulum metallopeptidase 1	53
Sp8 transcription factor	95
phospholipid scramblase 2	5
chromosome 10 open reading frame 71	5
caspase 1, apoptosis-related cysteine peptidas	5
upstream transcription factor 1	5
retinoblastoma binding protein 9	102
major facilitator superfamily domain containin	257
StAR-related lipid transfer (START) domain con	17
zinc finger protein 264	412
LIM domain containing 2	90
serine/threonine kinase 32A	8
chromosome 14 open reading frame 39	5
CDK5 regulatory subunit associated protein 1-1	541
septin 6	1854
nucleolar and spindle associated protein 1	686
mirror-image polydactyly 1	45
olfactory receptor, family 9, subfamily Q, mem	5
ring finger protein 187	13589
KIAA0040	15
B and T lymphocyte associated	5
peptidylprolyl isomerase A (cyclophilin A)	878
methyltransferase like 15	17
coproporphyrinogen oxidase	377
pre-mRNA processing factor 6	689
PTC7 protein phosphatase homolog (S. cerevisia	817
notch 3	45
macrophage erythroblast attacher	5906
PHD finger protein 14	112
UDP-glucose pyrophosphorylase 2	4271
prolactin receptor	95
katanin p80 subunit B-like 1	105
X-prolyl aminopeptidase (aminopeptidase P) 1,	38
family with sequence similarity 92, member B	5

mannosidase, alpha, class 2A, member 1	1521
POU class 2 homeobox 1	83
zinc finger CCCH-type, antiviral 1-like	98
cytochrome P450, family 2, subfamily J, polype	22
Uncharacterized protein	5
glyoxalase domain containing 5	5
adenylate cyclase 1 (brain)	76
ADP-ribosylation factor-like 11	5
cysteine-rich hydrophobic domain 1	16
HCG1643653; Uncharacterized protein	5
stearoyl-CoA desaturase (delta-9-desaturase)	9726
long intergenic non-protein coding RNA 346	26
abhydrolase domain containing 2	210
ISY1-RAB43 readthrough	5
guanine nucleotide binding protein (G protein)	5
glycine receptor, beta	118
acyl-CoA synthetase long-chain family member 6	7
chronic lymphocytic leukemia up-regulated 1	5
casein kinase 1, epsilon	3032
solute carrier family 2 (facilitated glucose t	5
sal-like 3 (Drosophila)	64
motile sperm domain containing 2	76
relaxin 1	5
zinc finger protein 641	87
wingless-type MMTV integration site family, me	25
solute carrier family 2 (facilitated glucose t	47
butyrophilin, subfamily 3, member A2	5
neugrin, neurite outgrowth associated	1754
NIPA-like domain containing 4	17
NK3 homeobox 1	240
zinc finger protein 235	69
coiled-coil domain containing 126	846
neurogranin (protein kinase C substrate, RC3)	60
coiled-coil domain containing 121	5
SWT1 RNA endoribonuclease homolog (S. cerevisi	104
leucine-rich repeat, immunoglobulin-like and t	5
Uncharacterized protein	5
chromogranin A (parathyroid secretory protein	7
v-maf avian musculoaponeurotic fibrosarcoma on	608
aconitase 1, soluble	738
insulin-like growth factor 1 (somatomedin C)	19
ribosomal protein L32	2274
phosphodiesterase 6A, cGMP-specific, rod, alph	5
annexin A7	1433
transcription factor CP2	1274
melanoma antigen family A, 8	5
myotubularin related protein 11	16
secl family domain containing 1	41
V-set and immunoglobulin domain containing 10	355
centriole, cilia and spindle-associated protei	1210
interferon, alpha-inducible protein 6	141
solute carrier family 3 (amino acid transporte	1100
NEDD4 binding protein 2-like 1	92
interaction protein for cytohesin exchange fac	16

glycine-N-acyltransferase-like 2	23
MYST/Esal-associated factor 6	440
ecto-NOX disulfide-thiol exchanger 2	215
ubiquitin specific peptidase 7 (herpes virus-a	656
ankyrin repeat domain 44	187
maelstrom spermatogenic transposon silencer	9
diffuse panbronchiolitis critical region 1	5
TNFAIP3 interacting protein 1	334
chemokine (C-C motif) ligand 1	6
aprataxin	310
replication initiator 1	2836
cysteine-serine-rich nuclear protein 2	104
family with sequence similarity 217, member B	175
ankyrin repeat domain 45	10
sorting nexin 13	100
lysophosphatidylcholine acyltransferase 1	298
fatty acyl CoA reductase 1	814
	5
signal peptidase complex subunit 2 homolog (S.	28
thioredoxin-related transmembrane protein 4	466
dickkopf WNT signaling pathway inhibitor 2	5
chromosome 4 open reading frame 26	5
zinc finger, DHHC-type containing 22	32
lin-28 homolog B (C. elegans)	118
vacuole membrane protein 1	2505
chemokine (C-C motif) receptor 3	5
high mobility group AT-hook 1	2024
RERG/RAS-like	17
ER degradation enhancer, mannosidase alpha-lik	535
keratin associated protein 5-7	5
ornithine aminotransferase	5
pleckstrin homology domain containing, family	3303
failed axon connections homolog (Drosophila)	95
zinc finger, RAN-binding domain containing 1	724
sclerostin domain containing 1	5
ubiquitin-conjugating enzyme E2N	321
glutathione peroxidase 6 (olfactory)	5
2,3-bisphosphoglycerate mutase	1028
chromosome X open reading frame 48	5
D-amino-acid oxidase	26
protein phosphatase, Mg ²⁺ /Mn ²⁺ dependent, 1N (	79
calsyntenin 2	119
tripartite motif containing 66	33
collagen, type XV, alpha 1	371
cyclin M3	934
CD84 molecule	5
mitogen-activated protein kinase kinase kinase	226
solute carrier family 6 (neurotransmitter tran	5
trafficking protein particle complex 4	649
C-type lectin domain family 1, member B	5
mediator complex subunit 17	197
MYC binding protein	85
ELK4, ETS-domain protein (SRF accessory protei	39
TIA1 cytotoxic granule-associated RNA binding	1370

ubiquitin-conjugating enzyme E2R 2	2442
cadherin 7, type 2	42
Rho GTPase activating protein 11A	410
TSR2, 20S rRNA accumulation, homolog (S. cerev shisa family member 6	233 5
proline rich 23A	5
eukaryotic translation initiation factor 4E bi chromosome 2 open reading frame 42	121 13
carbonic anhydrase XIII	42
solute carrier family 9, subfamily A (NHE3, ca pecanex-like 4 (Drosophila)	2939 268
v-myb avian myeloblastosis viral oncogene homo chromosome X open reading frame 24	39 60
transmembrane protein 38A	158
phosphodiesterase 4C, cAMP-specific	5
solute carrier family 1 (glutamate/neutral ami striatin, calmodulin binding protein	380 476
leucine rich repeat containing 41	1532
RAR-related orphan receptor C	42
transmembrane protein 215	5
exocyst complex component 6B	106
annexin A8	5
annexin A8-like 2	5
R3H domain containing-like	5
annexin A8-like 1	5
methyltransferase like 21B	51
attractin	39
POM121 transmembrane nucleoporin C	5
nephronophthisis 3 (adolescent)	44
receptor accessory protein 4	78
nudix (nucleoside diphosphate linked moiety X)	190
upper zone of growth plate and cartilage matri	5
major histocompatibility complex, class I, A	276
WW domain binding protein 1-like	5
long intergenic non-protein coding RNA 908	5
forkhead box R2	5
DEXH (Asp-Glu-X-His) box polypeptide 58	5
heterogeneous nuclear ribonucleoprotein A2/B1	25319
retinoblastoma binding protein 7	270
sprouty homolog 4 (Drosophila)	110
KIAA2018	23
RNA-binding region (RNP1, RRM) containing 3	419
relaxin 2	20
aspartoacylase	5
G protein-coupled receptor 12	5
flap structure-specific endonuclease 1	31
zinc finger, C4H2 domain containing	432
chromosome 12 open reading frame 77	5
matrilin 2	371
UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosamin	5
hephaestin	44
FERM domain containing 6	508
interleukin 12 receptor, beta 2	5
heterogeneous nuclear ribonucleoprotein A1	2079

RAB3D, member RAS oncogene family	111
Scm-like with four mbt domains 1	116
cyclin F	1432
egl-9 family hypoxia-inducible factor 3	71
vaccinia related kinase 2	25
mitochondrially encoded NADH dehydrogenase 5	675
nescient helix loop helix 1	5
nuclear casein kinase and cyclin-dependent kin	1692
glutamine--fructose-6-phosphate transaminase 1	1313
serum/glucocorticoid regulated kinase 1	369
interferon-induced protein 44-like	11
Uncharacterized protein	5
B-cell CLL/lymphoma 7A	96
mitogen-activated protein kinase 1	630
cytochrome P450, family 7, subfamily B, polype	53
protein phosphatase, Mg ²⁺ /Mn ²⁺ dependent, 1E	178
leukocyte receptor tyrosine kinase	5
ubiquilin 4	5
mohawk homeobox	165
melanoma antigen family D, 1	8092
family with sequence similarity 155, member A	118
v-myc avian myelocytomatosis viral oncogene ne	73
HCG20425, isoform CRA_a; Uncharacterized prote	283
regulator of G-protein signaling 21	5
methyltransferase like 6	20
synaptotagmin XI	750
IKAROS family zinc finger 4 (Eos)	329
crystallin, zeta (quinone reductase)-like 1	340
platelet-derived growth factor beta polypeptid	5
interleukin 6 signal transducer (gp130, oncost	213
interferon regulatory factor 2	420
family with sequence similarity 65, member B	7
chromosome 5 open reading frame 51	124
PHD finger protein 1	19
anaplastic lymphoma receptor tyrosine kinase	5
solute carrier family 15 (oligopeptide transpo	5
activating transcription factor 7 interacting	667
xenotropic and polytropic retrovirus receptor	544
myosin, heavy chain 10, non-muscle	134
itchy E3 ubiquitin protein ligase	769
popeye domain containing 2	7
armadillo repeat containing 8	398
tumor necrosis factor	5
oxysterol binding protein-like 11	101
protein kinase C, beta	81
golgi SNAP receptor complex member 2	1099
CUB domain containing protein 1	137
hedgehog interacting protein	65
3-ketodihydrosphingosine reductase	322
leukocyte immunoglobulin-like receptor, subfam	5
TBP-like 1	69
LanC lantibiotic synthetase component C-like 1	3395
maestro heat-like repeat family member 2A	13
zinc finger protein 608	22

claudin 4	64
kallikrein-related peptidase 5	5
HCG1997999; cDNA FLJ33996 fis, clone DFNES2008	44
signal transducer and activator of transcripti	33
Uncharacterized protein	5
PCI domain containing 2	508
chromosome 7 open reading frame 72	5
solute carrier family 32 (GABA vesicular trans	5
keratin 4	5
ankyrin repeat domain 17	1334
TatD DNase domain containing 2	894
ADP-ribosylation factor-like 15	119
HECT domain containing E3 ubiquitin protein li	1514
	5
S100 calcium binding protein A4	943
splicing factor 1	17473
TBC1 domain family, member 28	5
ATP-binding cassette, sub-family B (MDR/TAP),	5
lens epithelial protein	5
phospholipase D1, phosphatidylcholine-specific	128
zinc finger and BTB domain containing 8 opposi	74
ash2 (absent, small, or homeotic)-like (Drosop	140
HIG1 hypoxia inducible domain family, member 1	254
ring finger protein 169	204
trafficking protein particle complex 6B	69
N-acylethanolamine acid amidase	115
calneuron 1	5
cortactin binding protein 2	29
male-specific lethal 2 homolog (Drosophila)	175
POZ (BTB) and AT hook containing zinc finger 1	165
chemokine (C-X3-C motif) receptor 1	17
ribonuclease, RNase A family, 13 (non-active)	5
nebulette	181
ankyrin repeat domain 13A	1644
IQ motif containing J	5
fibroblast growth factor 13	17
prepronociceptin	13
host cell factor C1 regulator 1 (XPO1 dependen	2156
prospero homeobox 1	131
chromosome 10 open reading frame 25	29
eukaryotic translation initiation factor 1	415
ALX homeobox 4	52
ets variant 3	37
UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosamin	57
coiled-coil domain containing 176	61
family with sequence similarity 227, member B	44
myozenin 3	8
excision repair cross-complementing rodent rep	36
keratin associated protein 5-4	5
zinc finger and BTB domain containing 16	73
5'-nucleotidase domain containing 3	235
ribonuclease, RNase A family, 1 (pancreatic)	5
polymerase (RNA) III (DNA directed) polypeptid	47
cannabinoid receptor interacting protein 1	29

ninjurin 2	11
Uncharacterized protein; cDNA FLJ46300 fis, cl	5
BCL2-like 2	1380
myelin protein zero-like 3	59
wingless-type MMTV integration site family, me	2080
Ras association (RalGDS/AF-6) domain family me	515
adaptor-related protein complex 3, mu 1 subuni	601
programmed cell death 5	158
tumor necrosis factor, alpha-induced protein 8	5
LIM domain and actin binding 1	780
destrin (actin depolymerizing factor)	10116
xylosylprotein beta 1,4-galactosyltransferase,	2968
neurexin 2	5
solute carrier family 2 (facilitated glucose t	14
cofilin 1 (non-muscle)	341
acyl-CoA thioesterase 4	5
chromosome 16 open reading frame 47	8
yippee-like 5 (Drosophila)	307
arginine decarboxylase	15
BCL2/adenovirus E1B 19kD interacting protein 1	13
Wolf-Hirschhorn syndrome candidate 1-like 1	481
DDB1 and CUL4 associated factor 12-like 2	20
transmembrane protein 165	2603
protein O-glucosyltransferase 1	262
chymotrypsin C (caldecrin)	5
family with sequence similarity 118, member B	788
establishment of sister chromatid cohesion N-a	94
butyrophilin, subfamily 3, member A1	5
thyroid peroxidase	5
RAB7A, member RAS oncogene family	7894
olfactomedin-like 2B	5
delta(4)-desaturase, sphingolipid 2	5
growth factor independent 1 transcription repr	154
tetratricopeptide repeat domain 26	211
VAMP (vesicle-associated membrane protein)-ass	391
nuclear receptor subfamily 1, group I, member	5
CD302 molecule	860
vestigial like 2 (Drosophila)	5
nonhomologous end-joining factor 1	33
muskelin 1, intracellular mediator containing	477
Rho guanine nucleotide exchange factor (GEF) 1	815
Sep (O-phosphoserine) tRNA:Sec (selenocysteine	279
developmental pluripotency associated 4	5
RecQ mediated genome instability 1	409
Rho GTPase activating protein 19	1051
protein phosphatase, Mg2+/Mn2+ dependent, 1L	59
dynactin associated protein	5
extracellular matrix protein 1	575
mitochondrial elongation factor 1	2319
multiple C2 domains, transmembrane 2	59
family with sequence similarity 126, member B	132
endothelin receptor type A	35
CSRP2 binding protein	408
male-specific lethal 1 homolog (Drosophila)	4715

coiled-coil domain containing 155	5
UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosamin	5
collagen, type XXII, alpha 1	5
family with sequence similarity 46, member B	18
holocytochrome c synthase	1615
fyn-related kinase	37
chromosome 17 open reading frame 51	464
potassium voltage-gated channel, subfamily H (	157
phosphatidylserine synthase 1	91
deiodinase, iodothyronine, type I	5
neurensin 2	101
ankyrin repeat domain 13C	369
lin-54 homolog (C. elegans)	228
sparc/osteonectin, cwcv and kazal-like domains	935
translocase of inner mitochondrial membrane 10	290
transmembrane 9 superfamily member 2	5046
V-set and transmembrane domain containing 2A	5
G protein-coupled receptor 151	5
chromosome 9 open reading frame 170	5
olfactory receptor, family 2, subfamily H, mem	5
solute carrier family 2 (facilitated glucose t	5
retinol dehydrogenase 12 (all-trans/9-cis/11-c	20
mesencephalic astrocyte-derived neurotrophic f	1895
mitogen-activated protein kinase kinase kinase	187
methyltransferase like 7B	58
sodium leak channel, non-selective	5
succinate dehydrogenase complex assembly facto	545
Vpr (HIV-1) binding protein	102
tectonic family member 3	1900
coiled-coil domain containing 141	5
coiled-coil domain containing 94	127
SRY (sex determining region Y)-box 9	2595
LRP2 binding protein	5
leucine-rich repeats and immunoglobulin-like d	241
carbonic anhydrase XII	42
MAX dimerization protein 4	1173
CD207 molecule, langerin	5
neuroblastoma breakpoint family, member 6	5
R-spondin 3	118
ankyrin repeat and death domain containing 1B	18
G protein-coupled receptor 61	5
ankyrin repeat and SOCS box containing 6	725
urotensin 2B	13
SEC62 homolog (S. cerevisiae)	746
tetratricopeptide repeat domain 30B	63
ubiquitin family domain containing 1	6826
Dexi homolog (mouse)	1646
ectonucleoside triphosphate diphosphohydrolase	136
caspase recruitment domain family, member 8	159
acidic (leucine-rich) nuclear phosphoprotein 3	1003
tripartite motif containing 14	44
RAD21 homolog (S. pombe)	5
leukocyte receptor cluster (LRC) member 8	244
GA binding protein transcription factor, alpha	8

dopamine receptor D2	5
neuropeptide Y receptor Y2	5
dynamin 3	59
melanoma antigen family D, 4	5
UDP-Gal:betaGlcNAc beta 1,3-galactosyltransferase	5
syndecan binding protein (syntenin)	1071
cytochrome P450, family 2, subfamily A, polypeptide	5
casein kinase 2, alpha 1 polypeptide	1927
melanoma antigen family D, 4B	5
spermatogenesis associated 19	5
sema domain, transmembrane domain (TM), and cytochrome	106
dehydrodolichyl diphosphate synthase	325
zinc finger protein 384	8
leucine zipper protein 2	33
Fas (TNFRSF6)-associated via death domain	79
potassium voltage-gated channel, Shal-related	23
serine incorporator 3	1218
chromosome 5 open reading frame 24	2668
solute carrier family 16, member 14	34
DnaJ (Hsp40) homolog, subfamily A, member 3	3281
phosphoinositide-3-kinase, regulatory subunit	5
keratin associated protein 5-11	5
ubiquitin specific peptidase 28	85
cytochrome b561 family, member D2	6
transmembrane protein 253	25
mab-21-like 2 (C. elegans)	63
spermine synthase	14
steroid-5-alpha-reductase, alpha polypeptide 1	2684
CD47 molecule	520
tumor necrosis factor receptor superfamily, member 1	93
solute carrier family 13 (sodium-dependent citrate)	4848
zinc finger protein 805	58
chromosome 1 open reading frame 61	5
butyrophilin, subfamily 1, member A1	5
lymphocyte transmembrane adaptor 1	5
zinc finger E-box binding homeobox 1	59
ADP-ribosylation factor interacting protein 2	798
chromosome 9 open reading frame 91	151
nudE neurodevelopment protein 1-like 1	396
protein tyrosine phosphatase-like (proline isomerase)	1275
RAP2B, member of RAS oncogene family	594
scinderin	23
SEC14-like 1 (S. cerevisiae)	1399
NME/NM23 nucleoside diphosphate kinase 2	191
dynein, light chain, roadblock-type 1	970
QKI, KH domain containing, RNA binding	323
pleckstrin homology domain containing, family 1	1358
DAZ associated protein 2	4265
calcium/calmodulin-dependent protein kinase kinase 2	1157
BCL2-like 11 (apoptosis facilitator)	105
formin binding protein 1-like	219
glutamate decarboxylase 2 (pancreatic islets alpha)	5
radixin	44
zinc finger protein 8	24

SIX homeobox 3	15
feline leukemia virus subgroup C cellular rece	29
doublesex and mab-3 related transcription fact	21
transmembrane protein with metallophosphoester	22
neuronal pentraxin I	1876
CD109 molecule	1272
heart and neural crest derivatives expressed 2	30
transmembrane protein 200A	1609
chromosome 18 open reading frame 21	410
homeobox C10	152
unc-5 homolog D (C. elegans)	37
solute carrier family 31 (copper transporter),	171
frizzled family receptor 3	192
ezrin	3757
BTB (POZ) domain containing 9	65
STT3B, subunit of the oligosaccharyltransferas	4458
tubulin tyrosine ligase-like family, member 7	93
RAB33B, member RAS oncogene family	270
neurocalcin delta	49
chromosome 21 open reading frame 49	5
cutaneous T-cell lymphoma-associated antigen 1	5
keratin associated protein 4-12	31
chromosome 12 open reading frame 40	5
galactose mutarotase (aldose 1-epimerase)	963
Uncharacterized protein	9
erythrocyte membrane protein band 4.1-like 2	353
transmembrane protein 106B	615
mitochondrial calcium uniporter	2421
nuclear factor of activated T-cells 5, tonicit	128
regulatory factor X, 3 (influences HLA class I	37
shisa family member 9	5
asparaginase homolog (S. cerevisiae)	5
solute carrier family 17 (vesicular glutamate	5
dynein assembly factor with WDR repeat domains	82
sprouty-related, EVH1 domain containing 2	53
CUGBP, Elav-like family member 2	45
sorting nexin 18	174
sterol O-acyltransferase 2	823
non-SMC condensin I complex, subunit H	217
secretory carrier membrane protein 2	101
glypican 2	52
presenilin enhancer gamma secretase subunit	322
zinc finger protein 41	86
RAB31, member RAS oncogene family	726
golgin A1	334
histone cluster 1, H2bd	236
caspase 2, apoptosis-related cysteine peptidas	274
Hepatoma-derived growth factor-related protein	2577
ELOVL fatty acid elongase 7	52
protein-L-isoaspartate (D-aspartate) O-methylt	136
SLAM family member 6	5
guanine nucleotide binding protein (G protein)	50
family with sequence similarity 83, member A	22
thymocyte selection associated family member 2	41

F-box and WD repeat domain containing 11	81
major histocompatibility complex, class I, G	5
gap junction protein, beta 6, 30kDa	5
leucine-rich repeat kinase 2	37
acyl-CoA dehydrogenase family, member 8	329
HRAS-like suppressor family, member 5	5
signaling threshold regulating transmembrane a	7
lysosomal-associated membrane protein 3	11
ATPase, class II, type 9A	1511
BCL2/adenovirus E1B 19kDa interacting protein	203
guanylate binding protein 4	5
transmembrane protein 100	86
fibulin 7	44
LOC644617 protein; Uncharacterized protein	430
interleukin-1 receptor-associated kinase 4	223
MANSC domain containing 1	185
hook microtubule-tethering protein 3	403
desumoylating isopeptidase 2	147
guanylate binding protein family, member 6	5
solute carrier family 1 (glial high affinity g	5
colony stimulating factor 2 receptor, beta, lo	5
	5
ankyrin repeat and BTB (POZ) domain containing	180
polymerase (DNA-directed), delta 3, accessory	371
family with sequence similarity 98, member A	89
protein kinase C, iota	103
Lix1 homolog (mouse)-like	695
pyruvate dehydrogenase phosphatase catalytic su	102
cell division cycle 20B	5
calreticulin	17017
SYS1 Golgi-localized integral membrane protein	384
pleckstrin homology domain containing, family	767
sphingosine-1-phosphate receptor 1	251
GRB2-associated binding protein 2	627
mastermind-like 2 (Drosophila)	104
chromosome 14 open reading frame 23	5
solute carrier family 2 (facilitated glucose t	17
sodium channel, voltage-gated, type IV, beta s	13
mitogen-activated protein kinase 10	5
chromosome 1 open reading frame 158	5
deleted in azoospermia 3	5
cannabinoid receptor 1 (brain)	40
cyclin-dependent kinase 6	1116
tripartite motif containing 8	525
SLP adaptor and CSK interacting membrane prote	5
Iron/zinc purple acid phosphatase-like protein	5
aldo-keto reductase family 1, member E2	5
hepatocyte nuclear factor 4, gamma	5
plasmolipin	22
MOB kinase activator 1B	54
seryl-tRNA synthetase 2, mitochondrial	700
solute carrier family 22 (organic anion/urate	5
otogelin-like	5
otopettrin 2	5

upstream binding protein 1 (LBP-1a)	1418
zinc finger protein 585B	46
syntaxin 7	1395
astrotactin 2	39
sorting nexin 19	1157
coagulation factor VIII, procoagulant componen	16
collagen, type XXV, alpha 1	270
ribosomal protein S9	54
bromodomain adjacent to zinc finger domain, 2B	25
synuclein, beta	5
pyrimidinergic receptor P2Y, G-protein coupled	5
testis expressed 35	5
programmed cell death 7	64
zinc finger protein, Y-linked	5
WD repeat domain 70	23
coiled-coil domain containing 88A	141
homeobox A3	57
zinc finger CCCH-type, antiviral 1	45
nuclear receptor subfamily 6, group A, member	1082
histone cluster 1, H2bn	29
claspin	92
glycerol kinase 5 (putative)	73
retinol dehydrogenase 16 (all-trans)	13
zinc finger protein 441	5
deleted in azoospermia 4	5
regulator of chromosome condensation 1	1156
chromosome 19 open reading frame 66	567
mitochondrial inner membrane organizing system	287
UDP-N-acetyl-alpha-D-galactosamine:polypeptide	114
integrin, alpha L (antigen CD11A (p180), lymph	340
ATP-binding cassette, sub-family A (ABC1), mem	5
N-acetyltransferase 16 (GCN5-related, putative	5
fatty acid binding protein 7, brain	5
NADH dehydrogenase (ubiquinone) complex I, ass	68
pre-mRNA processing factor 4B	602
family with sequence similarity 169, member B	5
septin 3	241
tumor protein D52-like 3	5
Fc receptor-like 6	5
melanoma associated antigen (mutated) 1-like 1	50
transmembrane protein 62	9
angiomin like 1	712
protein tyrosine phosphatase, non-receptor typ	301
proline-rich coiled-coil 1	2351
zinc finger CCCH-type containing 12C	150
PILR alpha associated neural protein	8
antagonist of mitotic exit network 1 homolog (	125
grainyhead-like 2 (Drosophila)	5
lactate dehydrogenase A	375
NLR family member X1	36
sodium channel, voltage gated, type VIII, alph	44
C-type lectin domain family 4, member D	5
coronin, actin binding protein, 1C	1970
recoverin	5

La ribonucleoprotein domain family, member 4	35
FERM domain containing 5	161
mitogen-activated protein kinase kinase kinase	634
bone morphogenetic protein 7	83
zinc binding alcohol dehydrogenase domain cont	207
zinc finger protein 709	90
mannosidase, endo-alpha-like	381
	51
potassium channel, subfamily K, member 13	11
tachykinin receptor 2	5
cytosolic iron-sulfur protein assembly 1	1143
Zic family member 2	1173
sodium channel, voltage-gated, type III, beta	10
CD72 molecule	7
zinc finger and BTB domain containing 41	33
coiled-coil domain containing 50	961
polycomb group ring finger 5	176
deleted in colorectal carcinoma	5
matrix metalloproteinase 16 (membrane-inserted)	12
zinc fingers and homeoboxes 1	88
sodium channel, non-voltage-gated 1, beta subu	5
fibrillin 1	798
pellino E3 ubiquitin protein ligase family mem	257
trafficking protein, kinesin binding 2	353
potassium voltage-gated channel, subfamily G,	0
glutathione S-transferase mu 1	5
CD83 molecule	414
hematopoietic cell-specific Lyn substrate 1	6
synaptotagmin IV	11
chromosome 1 open reading frame 213	49
NECAP endocytosis associated 1	13
collagen, type V, alpha 2	4327
family with sequence similarity 69, member A	171
collagen, type IV, alpha 3 (Goodpasture antige	286
Serine--tRNA ligase, mitochondrial	700
tumor necrosis factor (ligand) superfamily, me	85
ATPase, H ⁺ transporting, lysosomal accessory p	2095
matrix-remodelling associated 7	421
leucine rich repeat neuronal 4	5
phosphatidylserine decarboxylase	61
deleted in azoospermia 2	5
ubiquitin specific peptidase 51	26
inhibitor of CDK, cyclin A1 interacting protei	6
phosphate cytidyltransferase 1, choline, bet	5
prickle homolog 2 (Drosophila)	20
platelet-activating factor acetylhydrolase 2,	287
glutamyl aminopeptidase (aminopeptidase A)	10
aldehyde dehydrogenase 9 family, member A1	4094
transmembrane 9 superfamily protein member 4	3096
solute carrier family 6 (neurotransmitter tran	280
cellular repressor of E1A-stimulated genes 1	318
phosphatidylinositol-4,5-bisphosphate 3-kinase	5
myeloma overexpressed	14
coilin	5

tetratricopeptide repeat domain 18	7
myocyte enhancer factor 2B	35
CD300 molecule-like family member g	5
membrane-associated ring finger (C3HC4) 8, E3	48
polymerase (RNA) III (DNA directed) polypeptid	67
dysferlin	47
pyroglutamylated RFamide peptide receptor	0
zinc finger protein 852	26
sorting nexin 17	479
Kruppel-like factor 15	7
isopentenyl-diphosphate delta isomerase 1	827
hyperpolarization activated cyclic nucleotide-	41
suppressor of defective silencing 3 homolog (S	224
ERO1-like (S. cerevisiae)	1333
mediator complex subunit 8	745
complement component 5a receptor 1	5
KN motif and ankyrin repeat domains 2	1735
cystinosin, lysosomal cystine transporter	308
leukocyte immunoglobulin-like receptor, subfam	5
tafazzin	1269
Ca ⁺⁺ -dependent secretion activator	5
family with sequence similarity 133, member A	14
nicotinamide nucleotide adenyltransferase 2	18
family with sequence similarity 180, member A	51
DnaJ (Hsp40) homolog, subfamily A, member 1	789
histone deacetylase 9	13
cAMP responsive element binding protein 5	54
transmembrane BAX inhibitor motif containing 1	2201
G protein-coupled receptor 135	40
phosphoinositide-3-kinase, regulatory subunit	335
protein phosphatase 1, regulatory subunit 12A	276
jumonji domain containing 8	164
ADP-ribosylation factor-like 2	7073
vesicle-associated membrane protein 1 (synapto	8
protein tyrosine phosphatase, non-receptor typ	52
NK1 homeobox 2	5
spermatogenesis and oogenesis specific basic h	15
F-box protein 21	1035
glyceraldehyde-3-phosphate dehydrogenase, sper	5
phosphatidylinositol-4-phosphate 3-kinase, cat	5
sortilin-related VPS10 domain containing recep	85
RAB, member of RAS oncogene family-like 3	165
coiled-coil domain containing 103	72
sirtuin 1	220
FGFR1 oncogene partner 2	104
membrane magnesium transporter 1	113
ADAM-like, decysin 1	5
cholinergic receptor, nicotinic, beta 1 (muscl	56
mitochondrial ribosomal protein S11	1452
coiled-coil domain containing 140	5
proline rich membrane anchor 1	5
hair growth associated	248
centrosomal protein 290kDa	10
tripartite motif containing 27	492

transmembrane protease, serine 3	5
T-box 5	68
docking protein 5	5
Rho guanine nucleotide exchange factor (GEF) 7	361
CXXC finger protein 4	121
chromosome 19 open reading frame 10	1263
chaperonin containing TCP1, subunit 4 (delta)	153
muscleblind-like splicing regulator 3	593
ribosomal protein S6 kinase, 70kDa, polypeptid	16
monoamine oxidase B	32
family with sequence similarity 178, member A	130
zinc finger protein 260	165
hyperpolarization activated cyclic nucleotide-	19
URGCP-MRPS24 readthrough	110
ubiquitin specific peptidase 39	6197
guanylate cyclase 2C (heat stable enterotoxin	5
copine III	756
APEX nuclease (apurinic/aprimidinic endonucle	972
polymerase (RNA) I polypeptide D, 16kDa	2372
solute carrier family 16 (monocarboxylate tran	707
mitochondrial ribosomal protein L50	56
chromosome 12 open reading frame 61	5
receptor-interacting serine-threonine kinase 3	5
prostaglandin E synthase 3 (cytosolic)	93
tripartite motif containing 44	4203
potassium inwardly-rectifying channel, subfami	5
protein kinase, X-linked	12
mindbomb E3 ubiquitin protein ligase 1	897
signal-regulatory protein beta 1	5
exportin 7	647
Uncharacterized protein	21
zinc finger and SCAN domain containing 32	8
KIAA1456	24
KIAA1217	320
NECAP endocytosis associated 2	1011
stannin	663
solute carrier family 7, member 14	5
RUN and FYVE domain containing 2	15
solute carrier family 6 (proline IMINO transpo	5
fibroblast growth factor 7	5
NFAT activating protein with ITAM motif 1	7
protease, serine, 8	5
zinc finger protein 302	13
leucine rich repeat containing 8 family, membe	71
heat shock 27kDa protein family, member 7 (car	5
lipoprotein lipase	7658
PR domain containing 6	69
von Willebrand factor C domain containing prot	5
Rap guanine nucleotide exchange factor (GEF) 6	38
DBF4 homolog B (S. cerevisiae)	34
paired box 1	5
immediate early response 5-like	24
G1 to S phase transition 2	97
polymerase (RNA) III (DNA directed) polypeptid	678

FYN binding protein	5
calcium/calmodulin-dependent protein kinase II	938
surfactant protein A1	5
breast carcinoma amplified sequence 3	339
uncharacterized protein LOC100127983	579
protease, serine, 16 (thymus)	77
striatin, calmodulin binding protein 3	697
phosphatidylinositol-5-phosphate 4-kinase, typ	148
transmembrane protein 40	5
Protein LOC400655	5
pleckstrin 2	44
bone morphogenetic protein receptor, type II (	287
XK, Kell blood group complex subunit-related,	11
IKAROS family zinc finger 3 (Aiolos)	7
pleiomorphic adenoma gene 1	58
ganglioside induced differentiation associated	37
CXXC finger protein 5	1285
UDP-N-acetyl-alpha-D-galactosamine:polypeptide	83
STEAP family member 4	23
ADAM metallopeptidase domain 28	5
SWI/SNF-related, matrix-associated actin-depen	371
NLR family, CARD domain containing 3	5
retrotransposon gag domain containing 1	5
chromosome 14 open reading frame 159	5
Leucine-rich repeat-containing protein LOC4008	5
topoisomerase (DNA) III alpha	427
myocardial zonula adherens protein	10
chromosome 15 open reading frame 54	5
prenylcysteine oxidase 1	407
vimentin-type intermediate filament associated	28
zinc finger protein 488	61
UBA-like domain containing 2	506
malic enzyme 1, NADP(+)-dependent, cytosolic	586
cell division cycle 7	416
metaxin 3	304
axin interactor, dorsalization associated	48
protein tyrosine phosphatase, receptor type, B	42
heat shock 70kDa protein 9 (mortalin)	573
coiled-coil domain containing 92	105
ankyrin repeat domain 36	5
potassium voltage-gated channel, Shab-related	5
proline-rich transmembrane protein 2	33
choroideremia-like (Rab escort protein 2)	140
cyclin-dependent kinase-like 4	5
SAM and SH3 domain containing 3	5
estrogen receptor 2 (ER beta)	5
major facilitator superfamily domain containin	5122
caspase 9, apoptosis-related cysteine peptidas	390
GRIP and coiled-coil domain containing 1	26
transforming growth factor, beta receptor asso	435
chromosome 17 open reading frame 80	740
synaptotagmin binding, cytoplasmic RNA interac	4864
SIX homeobox 1	1264
Rho guanine nucleotide exchange factor (GEF) 1	326

glutamate receptor, ionotropic, AMPA 4	7
zinc finger and BTB domain containing 12	18
	185
somatostatin receptor 1	28
HCG2018282; Uncharacterized protein	5
carnitine palmitoyltransferase 1A (liver)	869
leprecan-like 1	875
plexin A4	9
carbohydrate (chondroitin 4) sulfotransferase	686
coiled-coil domain containing 113	29
calmodulin-lysine N-methyltransferase	18
testis expressed 22	9
phosphatidylinositol binding clathrin assembly	1173
heat shock protein 70kDa family, member 13	2175
MDS1 and EVI1 complex locus	138
protein arginine methyltransferase 6	270
BEN domain containing 4	187
transmembrane protein 140	858
trypsin domain containing 1	35
gem (nuclear organelle) associated protein 8	9
chromosome 7 open reading frame 31	40
enoyl-CoA, hydratase/3-hydroxyacyl CoA dehydro	150
ribosomal protein S6 kinase, 52kDa, polypeptid	57
carbohydrate sulfotransferase 10	33
surfactant protein A2	5
	5
grainyhead-like 3 (Drosophila)	15
proline and serine rich 1	145
kallikrein-related peptidase 7	5
breast carcinoma amplified sequence 4	492
lysophospholipase I	57
leucine rich adaptor protein 1-like	266
solute carrier family 25 (mitochondrial carrie	206
K(lysine) acetyltransferase 7	48
Cell growth-inhibiting protein 7; HCG1784586;	9
POM121 transmembrane nucleoporin-like 2	0
interleukin 9 receptor	5
activation-induced cytidine deaminase	5
solute carrier family 10 (sodium/bile acid cot	5
A kinase (PRKA) anchor protein 1	843
zinc finger with KRAB and SCAN domains 1	1314
nanos homolog 2 (Drosophila)	5
family with sequence similarity 19 (chemokine	5
leucine rich repeat containing 66	5
son of sevenless homolog 2 (Drosophila)	70
chromosome 7 open reading frame 73	847
zinc finger protein 507	378
carcinoembryonic antigen-related cell adhesion	5
basonuclin 2	770
sel-1 suppressor of lin-12-like (C. elegans)	1271
family with sequence similarity 109, member A	780
DCN1, defective in cullin neddylation 1, domai	53
cornichon family AMPA receptor auxiliary prote	1348
zinc finger protein 280B	7

ER01-like beta (<i>S. cerevisiae</i>)	478
histone cluster 1, H3h	256
HCG2000720; Hypothetical gene supported by AKO	5
WBP2 N-terminal like	5
orthopedia homeobox	9
kallikrein-related peptidase 12	5
schlafen-like 1	5
synaptic Ras GTPase activating protein 1	15
STAM binding protein	1274
ALG10B, alpha-1,2-glucosyltransferase	471
solute carrier family 25, member 45	67
deleted in azoospermia 1	5
LY75-CD302 readthrough	855
lymphocyte antigen 75	855
EP300 interacting inhibitor of differentiation	156
achaete-scute complex homolog 4 (<i>Drosophila</i>)	5
v-maf avian musculoaponeurotic fibrosarcoma on	5
mediator complex subunit 18	1766
short coiled-coil protein	922
lengsin, lens protein with glutamine synthetas	21
family with sequence similarity 220, member A	15
protein kinase, cAMP-dependent, catalytic, bet	344
Uncharacterized protein	5
zinc finger protein 865	75
TOX high mobility group box family member 4	309
ring finger protein 141	345
RNA binding motif protein 28	297
bone morphogenetic protein receptor, type IA	125
proteasome (prosome, macropain) activator subu	3605
KIAA0825	34
membrane protein, palmitoylated 7 (MAGUK p55 s	50
SWI/SNF related, matrix associated, actin depe	952
internexin neuronal intermediate filament prot	46
transmembrane protein 135	963
angiopoietin-like 2	39
syntrophin, gamma 1	5
ankyrin repeat domain 16	82
toll-like receptor 5	5
bromodomain containing 2	695
clarin 1	5
pseudouridylate synthase 7 homolog (<i>S. cerevis</i>	67
SPHK1 interactor, AKAP domain containing	5
transmembrane and coiled-coil domains 1	4447
solute carrier family 17 (vesicular glutamate	12
multiple inositol-polyphosphate phosphatase 1	1079
protein tyrosine phosphatase type IVA, member	5
carbohydrate (N-acetylgalactosamine 4-0) sulfo	1143
ubiquitin related modifier 1	345
zinc finger, FYVE domain containing 27	565
phosphatase and actin regulator 4	85
inositol polyphosphate-4-phosphatase, type II,	43
family with sequence similarity 49, member A	38
general transcription factor IIIH, polypeptide	121
carcinoembryonic antigen-related cell adhesion	11

transmembrane protein 119	5
G protein-coupled receptor 85	21
forkhead box 04	48
collagen, type IX, alpha 1	9
methionyl-tRNA synthetase 2, mitochondrial	391
protein phosphatase 1, regulatory subunit 18	265
RNA polymerase II associated protein 2	222
zinc finger, NFX1-type containing 1	41
synaptic vesicle glycoprotein 2C	30
Uncharacterized protein	22
F11 receptor	2844
glucosamine (UDP-N-acetyl)-2-epimerase/N-acety	22
apoptosis, caspase activation inhibitor	230
zinc finger and BTB domain containing 26	83
coiled-coil-helix-coiled-coil-helix domain con	97
LON peptidase N-terminal domain and ring finge	36
N-acetyltransferase 14 (GCN5-related, putative	392
chromosome 2 open reading frame 50	5
protein phosphatase 3, regulatory subunit B, b	5
transmembrane protein 87B	219
chromosome 11 open reading frame 88	5
G protein-coupled receptor 153	39
acyl-CoA wax alcohol acyltransferase 1	5
chromosome 6 open reading frame 201	5
ADP-ribosylation factor 6	31
serine racemase	95
anaphase promoting complex subunit 7	819
zyg-11 family member A, cell cycle regulator	331
paired related homeobox 1	57
ubiquitin protein ligase E3 component n-recogn	468
myosin phosphatase Rho interacting protein	521
p21 protein (Cdc42/Rac)-activated kinase 1	374
poliovirus receptor-related 3	361
mediator complex subunit 28	1483
protein phosphatase 1, regulatory subunit 3A	5
chloride channel accessory 2	5
WW domain binding protein 2	362
SWI/SNF related, matrix associated, actin depe	158
synaptosomal-associated protein, 91kDa	68
tenascin R	5
Uncharacterized protein; cDNA FLJ43210 fis, cl	7
trophoblast glycoprotein-like	8
dihydropyrimidinase-like 2	3087
molybdenum cofactor synthesis 1	179
fibrous sheath interacting protein 1	10
chemokine (C-C motif) receptor 9	5
jumonji C domain containing histone demethylas	470
thrombospondin 1	46844
potassium channel tetramerization domain conta	36
family with sequence similarity 213, member B	409
transient receptor potential cation channel, s	11
solute carrier family 31 (copper transporter),	110
prostaglandin D2 synthase 21kDa (brain)	13
zinc finger and SCAN domain containing 9	121

neuroblastoma breakpoint family, member 4	5
transmembrane protein 30A	1221
nuclear receptor subfamily 2, group F, member	4428
transcription factor AP-4 (activating enhancer	13
zinc finger protein 580	154
peptidyl arginine deiminase, type II	11
nuclear receptor coactivator 1	200
mago-nashi homolog B (Drosophila)	63
H1 histone family, member 0	234
transmembrane protein 127	296
methionine sulfoxide reductase B3	83
zinc finger and BTB domain containing 46	71
transmembrane 4 L six family member 1	1401
phosphoprotein associated with glycosphingolip	53
chromosome X open reading frame 36	5
HNF1 homeobox B	25
estrogen receptor 1	5
GTP binding protein 2	388
INO80 complex subunit D	5
RUN domain containing 3A	11
zinc finger protein 160	68
signal sequence receptor, gamma (translocon-as	6034
chromosome 18 open reading frame 25	688
mitochondrial ribosomal protein L17	1447
ATPase, H ⁺ transporting, lysosomal 70kDa, V1 s	180
hydroxyacyl-CoA dehydrogenase	1894
dihydroxyacetone kinase 2 homolog (S. cerevisi	242
zinc finger E-box binding homeobox 2	33
synaptosomal-associated protein, 23kDa	99
PH domain and leucine rich repeat protein phos	172
PRAME family member 18	0
catenin (cadherin-associated protein), alpha 3	5
potassium channel, subfamily K, member 12	5
PRAME family member 19	5
tetratricopeptide repeat domain 31	132
PITPNM family member 3	5
TGF-beta activated kinase 1/MAP3K7 binding pro	201
slit homolog 2 (Drosophila)	579
CD38 molecule	23
TEA domain family member 1 (SV40 transcription	740
tetratricopeptide repeat domain 33	676
KIAA1462	360
dual specificity phosphatase 28	84
cell cycle associated protein 1	650
APC membrane recruitment protein 2	7
Uncharacterized protein; cDNA FLJ34594 fis, cl	5
PRAME family member 22	0
5-hydroxytryptamine (serotonin) receptor 1F, G	5
D4, zinc and double PHD fingers family 2	1164
OTU domain containing 4	18
PRAME family member 3	5
protein phosphatase 2, regulatory subunit B, g	115
complement component 7	5
solute carrier family 26 (anion exchanger), me	748

transcription factor EC	5
carnosine dipeptidase 1 (metallopeptidase M20	5
SUMO1 activating enzyme subunit 1	87
B-cell receptor-associated protein 29	326
serpin peptidase inhibitor, clade B (ovalbumin	295
myelin protein zero-like 2	260
glycerol-3-phosphate dehydrogenase 2 (mitochon	196
protein kinase, AMP-activated, beta 1 non-cata	99
trinucleotide repeat containing 6B	69
claudin 2	19
arylacetamide deacetylase-like 4	5
low density lipoprotein receptor adaptor prote	111
cyclin-dependent kinase 20	25
CGRP receptor component	1776
nephronectin	518
KxDL motif containing 1	117
chromobox homolog 5	360
four and a half LIM domains 1	239
speckle-type POZ protein	883
dystroglycan 1 (dystrophin-associated glycopro	241
exportin 1 (CRM1 homolog, yeast)	404
THAP domain containing 11	1536
solute carrier family 24 (sodium/potassium/cal	5
Uncharacterized protein	5
spindlin family, member 2A	5
adrenoceptor beta 2, surface	50
ubinuclein 1	586
WAS/WASL interacting protein family, member 2	214
early B-cell factor 3	101
CKLF-like MARVEL transmembrane domain containi	169
CD300 molecule-like family member b	5
interferon-induced protein with tetratricopept	160
CD96 molecule	5
cyclin Y	672
neuroblastoma breakpoint family, member 14	10
zinc finger protein 485	36
abhydrolase domain containing 17C	406
homeobox A5	63
ribonuclease, RNase A family, 11 (non-active)	5
RAP2A, member of RAS oncogene family	721
sialic acid binding Ig-like lectin 10	5
ankyrin repeat domain 27 (VPS9 domain)	349
cytoplasmic FMR1 interacting protein 2	303
gap junction protein, alpha 5, 40kDa	5
	5
galactosidase, beta 1-like 2	38
chromosome 20 open reading frame 96	257
ubiquitin specific peptidase 14 (tRNA-guanine	561
transmembrane protein 173	676
DEAH (Asp-Glu-Ala-His) box polypeptide 33	724
GrpE-like 2, mitochondrial (E. coli)	79
serine/threonine kinase 32B	196
neurobeachin-like 1	42
progesterin and adipoQ receptor family member IV	703

opioid receptor, kappa 1	5
Uncharacterized protein; cDNA FLJ26048 fis, cl KIAA0907	5 48
G protein-coupled receptor 83	33
ectodysplasin A	9
myosin, heavy chain 7B, cardiac muscle, beta	5
glutathione S-transferase, C-terminal domain c	411
bleomycin hydrolase	1511
CD300c molecule	5
protein kinase, AMP-activated, beta 2 non-cata	363
chromosome 3 open reading frame 36	8
vomeronasal 1 receptor 1	12
MAM domain containing 2	365
keratin 80	617
serine palmitoyltransferase, long chain base s	2578
UDP-Gal:betaGlcNAc beta 1,4- galactosyltransfe	2265
plexin domain containing 1	9
desmocollin 3	390
Mitogen-activated protein kinase kinase kinase	405
sal-like 1 (Drosophila)	95
mitogen-activated protein kinase kinase kinase	144
glutamine-fructose-6-phosphate transaminase 2	70
APC membrane recruitment protein 1	11
S100 calcium binding protein A14	5
peptidase domain containing associated with mu	40
SET and MYND domain containing 1	5
keratin 35	5
neuron navigator 1	702
myotubularin related protein 10	30
purine-rich element binding protein G	29
cytochrome b5 domain containing 1	546
spindlin family, member 3	12
myosin ID	16
solute carrier family 25 (mitochondrial iron t	49
chromosome 21 open reading frame 62	5
target of myb1 (chicken)	309
FRAS1 related extracellular matrix 1	25
MAS-related GPR, member X2	5
thymocyte expressed, positive selection associ	5
chromosome 11 open reading frame 68	1192
chromosome 17 open reading frame 58	48
pregnancy up-regulated non-ubiquitously expres	5
Rac GTPase activating protein 1	19
microfibrillar associated protein 5	216
lines homolog (Drosophila)	18
NME/NM23 nucleoside diphosphate kinase 1	25174
dCTP pyrophosphatase 1	820
regulatory factor X, 4 (influences HLA class I	5
5-hydroxytryptamine (serotonin) receptor 2A, G	5
absent in melanoma 1	35
serine/arginine repetitive matrix 1	7
solute carrier family 35 (UDP-xylose/UDP-N-ace	899
phosphorylase kinase, alpha 1 (muscle)	277
PR domain containing 5	22

CREB3 regulatory factor	24
family with sequence similarity 174, member B	16
histone cluster 1, H2bj	383
ectonucleotide pyrophosphatase/phosphodiesterase	5
SH3 and cysteine rich domain	172
UTP14, U3 small nucleolar ribonucleoprotein, h	174
engulfment and cell motility 2	22
G protein-coupled receptor 97	8
family with sequence similarity 110, member C	29
cancer susceptibility candidate 5	144
immediate early response 5	11212
general transcription factor IIA, 1, 19/37kDa	88
regulator of calcineurin 2	32
zinc finger CCCH-type containing 7A	1071
ATPase, Ca ⁺⁺ transporting, plasma membrane 3	5
glutamate dehydrogenase 2	22
TAF12 RNA polymerase II, TATA box binding prot	183
SFT2 domain containing 2	97
BRO1 domain and CAAX motif containing	149
sialic acid binding Ig-like lectin 14	5
dual serine/threonine and tyrosine protein kin	256
sorting nexin 29	266
piggyBac transposable element derived 4	136
basonuclin 1	6
zinc finger protein 80	5
2'-5'-oligoadenylate synthetase 2, 69/71kDa	5
pleckstrin homology domain containing, family	1172
NUAK family, SNF1-like kinase, 1	489
polymerase (RNA) III (DNA directed) polypeptid	96
unc-13 homolog A (C. elegans)	5
Clq and tumor necrosis factor related protein	5
chromosome 9 open reading frame 62	5
matrix-remodelling associated 5	5
hepatic leukemia factor	15
tripartite motif containing 32	285
twist basic helix-loop-helix transcription fac	190
spondin 2, extracellular matrix protein	1611
casein kinase 1, gamma 1	149
diacylglycerol kinase, alpha 80kDa	186
progesterone and adiponectin receptor family member VI	106
tuftelin 1	599
torsin A interacting protein 1	3069
Folliculin-interacting protein 1	38
EFR3 homolog A (S. cerevisiae)	372
zinc finger protein 584	282
karyopherin alpha 6 (importin alpha 7)	272
trans-golgi network protein 2	1914
centrosomal protein 97kDa	290
SEC31 homolog B (S. cerevisiae)	43
adaptor-related protein complex 1, mu 2 subunit	26
SMYD family member 5	344
transmembrane protein 105	5
DDB1 and CUL4 associated factor 10	433
neurogenin 3	5

vasoactive intestinal peptide	5
septin 9	7738
paternally expressed 3	5
potassium large conductance calcium-activated	5
RAR-related orphan receptor B	5
tumor necrosis factor (ligand) superfamily, me	5
solute carrier family 35 (GDP-fucose transport	910
annexin A4	2119
LIM homeobox 4	13
small nuclear RNA activating complex, polypept	2406
S-phase response (cyclin related)	202
Uncharacterized protein	7
cysteine-rich secretory protein LCCL domain co	397
FEZ family zinc finger 2	5
FCF1 rRNA-processing protein	119
TAF5-like RNA polymerase II, p300/CBP-associa	5
discoidin domain receptor tyrosine kinase 1	195
microtubule-associated protein 7	444
gap junction protein, alpha 9, 59kDa	85
SEC16 homolog A (<i>S. cerevisiae</i>)	814
neuropilin (NRP) and tolloid (TLL)-like 1	5
RAB22A, member RAS oncogene family	484
enolase-phosphatase 1	615
leishmanolysin-like (metallopeptidase M8 famil	18
zinc finger protein 740	2137
allograft inflammatory factor 1-like	487
tubulin folding cofactor E-like	89
serine/arginine-rich splicing factor 6	1914
von Willebrand factor C domain containing 2	5
alpha-2-glycoprotein 1, zinc-binding	11
family with sequence similarity 27, member E1	5
PAX interacting (with transcription-activation	19
ring finger protein 26	1208
XK, Kell blood group complex subunit-related f	7
Uncharacterized protein	5
mitochondrial calcium uptake family, member 3	9
SAM domain and HD domain 1	448
tubulin, beta 6 class V	5820
latrophilin 2	407
EGF containing fibulin-like extracellular matr	992
Fli-1 proto-oncogene, ETS transcription factor	116
epithelial mitogen	26
myeloid cell leukemia sequence 1 (BCL2-related	374
potassium inwardly-rectifying channel, subfami	9
CWC25 spliceosome-associated protein homolog (	300
DDB1 and CUL4 associated factor 4-like 1	5
zinc finger protein 878	17
interferon regulatory factor 2 binding protein	2145
peptidase inhibitor 15	12
RUN and FYVE domain containing 1	187
pleckstrin homology domain containing, family	125
DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 2	289
sarcalumenin	5
SLX4 interacting protein	0

lysyl oxidase-like 3	235
D-dopachrome tautomerase-like	7
microcephalin 1	167
phosphatidylinositol glycan anchor biosynthesi	1071
NIPA-like domain containing 3	775
VMA21 vacuolar H ⁺ -ATPase homolog (S. cerevisia	2162
cell death-inducing p53 target 1	1857
leucine-rich repeats and calponin homology (CH	381
membrane protein, palmitoylated 2 (MAGUK p55 s	78
glucosamine-phosphate N-acetyltransferase 1	429
OTU domain containing 5	957
sprouty-related, EVH1 domain containing 1	547
adaptor-related protein complex 3, beta 1 subu	180
solute carrier family 7 (anionic amino acid tr	61
T-cell leukemia translocation altered	204
Uncharacterized protein	5
interleukin 1 receptor accessory protein	313
Uncharacterized protein	5
ubiquitin-conjugating enzyme E2, J2	3002
eyes absent homolog 3 (Drosophila)	50
leukocyte immunoglobulin-like receptor, subfam	5
LIM domain binding 1	61
3' (2'), 5'-bisphosphate nucleotidase 1	201
nuclear factor, erythroid 2-like 3	36
CUGBP, Elav-like family member 1	153
signal recognition particle receptor (docking	2980
glucosamine-6-phosphate deaminase 1	1130
transcription factor 12	101
biogenesis of lysosomal organelles complex-1,	182
adherens junctions associated protein 1	5
kinesin family member 4B	5
mex-3 RNA binding family member C	5
BCL2-like 1	7726
teneurin transmembrane protein 1	5
mitogen-activated protein kinase kinase 1	8
family with sequence similarity 27, member E2	5
archaelysin family metallopeptidase 1	5
glycerol kinase	38
CTD (carboxy-terminal domain, RNA polymerase I	1299
transmembrane protein 231	243
polymerase (DNA directed), theta	51
ninein (GSK3B interacting protein)	594
TSPY-like 5	20
zinc finger CCCH-type containing 6	10
coiled-coil domain containing 180	10
family with sequence similarity 167, member A	85
A kinase (PRKA) anchor protein 17A	5
Rho GTPase activating protein 22	10
fibroblast growth factor 5	1478
NEDD4 binding protein 2-like 2	74
phosphodiesterase 5A, cGMP-specific	69
sema domain, immunoglobulin domain (Ig), trans	32
adaptor protein, phosphotyrosine interaction,	908
inhibin, beta C	5

zinc finger protein 202	704
prostaglandin F2 receptor inhibitor	591
glutaminase	1927
monooxygenase, DBH-like 1	168
cadherin 6, type 2, K-cadherin (fetal kidney)	213
tetratricopeptide repeat domain 9	39
synaptotagmin I	13
wingless-type MMTV integration site family, me	5
neuroblastoma breakpoint family, member 3	5
proline rich Gla (G-carboxyglutamic acid) 3 (t	5
Uncharacterized protein; cDNA FLJ42623 fis, cl	5
synaptosomal-associated protein, 25kDa	54
myosin VC	39
ras homolog family member U	3519
proteasomal ATPase-associated factor 1	22
carcinoembryonic antigen-related cell adhesion	925
phosphatase and tensin homolog	118
chromosome 3 open reading frame 72	11
latrophilin 3	93
S100 calcium binding protein Z	20
MEF2 activating motif and SAP domain containin	100
chromobox homolog 7	5
homeobox D11	124
zinc finger protein 578	0
zinc finger protein 438	15
solute carrier family 18 (vesicular acetylchol	5
zinc finger protein 619	17
family with sequence similarity 27, member E3	5
prolyl 4-hydroxylase, beta polypeptide	17931
serine/threonine kinase 4	276
FRAS1 related extracellular matrix protein 2	33
cyclin T1	86
protein phosphatase 1, regulatory subunit 10	893
phytanoyl-CoA 2-hydroxylase interacting protei	14
dynein, axonemal, heavy chain 10 opposite stra	89
zinc finger and SCAN domain containing 25	230
KDEL (Lys-Asp-Glu-Leu) endoplasmic reticulum p	5077
CaM kinase-like vesicle-associated	47
solute carrier family 6 (neurotransmitter tran	5
solute carrier family 22 (organic cation/carni	37
gamma-glutamyltransferase 7	16
Bardet-Biedl syndrome 10	186
adenosine A2a receptor	337
ring finger protein 185	97
transmembrane protease, serine 2	11
phytanoyl-CoA 2-hydroxylase interacting protei	26
stromal interaction molecule 1	1672
histocompatibility (minor) 13	4848
serine incorporator 5	175
bromodomain and WD repeat domain containing 3	506
Rieske (Fe-S) domain containing	15
death effector domain containing	239
KIAA0408	95
zinc finger protein 662	11

chromosome 1 open reading frame 85	4649
cytoplasmic polyadenylation element binding pr	472
solute carrier organic anion transporter famil	19
HID1 domain containing	5
trimethyllysine hydroxylase, epsilon	5
ARHGAP19-SLIT1 readthrough (NMD candidate)	15
5-hydroxytryptamine (serotonin) receptor 4, G	5
NIPA-like domain containing 1	137
solute carrier family 25, member 42	1088
zinc finger protein 562	130
tensin 4	40
heparan sulfate (glucosamine) 3-O-sulfotransfe	148
synaptotagmin VII	192
zinc finger protein 207	839
family with sequence similarity 64, member A	392
insulin receptor	577
apoptotic peptidase activating factor 1	23
NHL repeat containing 3	49
chromosome 2 open reading frame 88	156
signal recognition particle 19kDa	243
ribosomal protein L22	1455
SEH1-like (<i>S. cerevisiae</i>)	632
post-GPI attachment to proteins 1	106
transmembrane protein 37	2076
transmembrane protein 43	2575
replication protein A1, 70kDa	2834
hepatoma-derived growth factor	10112
transferrin receptor 2	330
family with sequence similarity 153, member C	5
methenyltetrahydrofolate synthetase domain con	149
metastasis associated in colon cancer 1	5
contactin 1	40
Rho GTPase activating protein 27	5
mitogen-activated protein kinase 4	77
alkylglycerone phosphate synthase	1610
tumor necrosis factor receptor superfamily, me	39
RNA binding motif, single stranded interacting	56
zinc finger protein 275	465
tyrosine 3-monooxygenase/tryptophan 5-monooxyg	184
KIAA0226	89
CD164 molecule, sialomucin	2038
erythrocyte membrane protein band 4.1 like 5	108
zinc finger and BTB domain containing 33	65
kinesin light chain 2	11832
trinucleotide repeat containing 6A	267
thrombospondin, type I, domain containing 7A	5
retina and anterior neural fold homeobox	5
sorting nexin 22	5
transient receptor potential cation channel, s	5
chromosome 20 open reading frame 194	1083
angiopoietin 1	21
syndecan 4	1252
translation machinery associated 16 homolog (S	34
DEAD (Asp-Glu-Ala-Asp) box polypeptide 20	729

histone cluster 1, H2ak	26
fatty acid desaturase 6	12
CD300 molecule-like family member d	5
zinc finger protein 525	30
protocadherin 11 Y-linked	0
abhydrolase domain containing 14B	189
Ellis van Creveld syndrome	165
protein tyrosine phosphatase, non-receptor typ	5
copine V	13
ubiquitin specific peptidase 35	21
ATP-binding cassette, sub-family A (ABC1), mem	7
keratin 83	5
inhibitor of growth family, member 4	548
tectorin alpha	19
chromosome 7 open reading frame 65	5
small glutamine-rich tetratricopeptide repeat	205
chloride channel, voltage-sensitive 2	44
transmembrane protein 246	367
regulator of G-protein signaling 17	11
leucine rich repeat containing 58	940
naked cuticle homolog 1 (Drosophila)	26
WD repeat domain 36	282
killer cell lectin-like receptor subfamily C,	25
intracisternal A particle-promoted polypeptide	216
diaphanous-related formin 2	91
golgi-associated, gamma adaptin ear containing	645
synaptojanin 2 binding protein	329
death domain containing 1	5
calcium and integrin binding family member 2	119
C-type lectin domain family 1, member A	5
G protein-coupled receptor 114	5
transmembrane protein 214	1344
cholinergic receptor, nicotinic, alpha 4 (neur	5
activin A receptor type II-like 1	68
centromere protein 0	298
echinoderm microtubule associated protein like	60
ORM1-like 1 (S. cerevisiae)	998
ATM interactor	129
CCR4-NOT transcription complex, subunit 8	319
latent transforming growth factor beta binding	5324
fms-related tyrosine kinase 1	7
leucine rich repeat transmembrane neuronal 2	5
sushi domain containing 5	23
coagulation factor XIII, A1 polypeptide	5
Smad nuclear interacting protein 1	355
phospholipase B1	5
suppressor of cytokine signaling 3	5
zinc finger protein 774	27
nucleoredoxin-like 2	198
Rho/Rac guanine nucleotide exchange factor (GE	313
signal recognition particle 72kDa	185
mannosidase, endo-alpha	41
CREB/ATF bZIP transcription factor	1115
phosphatidylinositol glycan anchor biosynthesi	179

guanine nucleotide binding protein (G protein)	513
zinc finger, DHHC-type containing 18	268
ATPase, Cu ⁺⁺ transporting, alpha polypeptide	141
RAS p21 protein activator 4	5
Uncharacterized protein	5
yippee-like 2 (Drosophila)	62
	75
p21 protein (Cdc42/Rac)-activated kinase 2	145
kallikrein-related peptidase 9	5
chemokine (C-X-C motif) receptor 5	5
phorbol-12-myristate-13-acetate-induced protei	12503
ralA binding protein 1	134
immunoglobulin superfamily, member 3	141
pentatricopeptide repeat domain 3	2308
solute carrier family 38, member 1	1967
GRB2 associated, regulator of MAPK1	536
zinc finger and BTB domain containing 25	149
kelch-like family member 14	66
transmembrane and coiled-coil domain family 1	97
sorting nexin 10	9
tumor protein p53 inducible nuclear protein 2	12
polymerase (DNA directed), gamma	16
transcription factor-like 5 (basic helix-loop-	183
solute carrier family 34 (type II sodium/phosp	5
FERM and PDZ domain containing 3	0
Rap guanine nucleotide exchange factor (GEF)-1	20
family with sequence similarity 91, member A1	731
VANGL planar cell polarity protein 2	560
ectonucleoside triphosphate diphosphohydrolase	15
nucleoporin 155kDa	814
ring finger protein 157	163
protein phosphatase, Mg ²⁺ /Mn ²⁺ dependent, 1A	412
fibroblast growth factor 11	10
dual specificity phosphatase 16	444
autophagy related 5	1078
NK6 homeobox 1	9
TBC/LysM-associated domain containing 2	5
spla/ryanodine receptor domain and SOCS box co	827
major histocompatibility complex, class I, E	1858
aryl hydrocarbon receptor interacting protein-	5
LIM homeobox 9	40
ubiquitin specific peptidase 26	5
Kruppel-like factor 6	4644
cytohesin 1	553
ring finger protein 208	30
tropomodulin 2 (neuronal)	117
integrin, beta 8	17
deoxycytidine kinase	200
cylindromatosis (turban tumor syndrome)	696
protein tyrosine phosphatase-like A domain con	17
DNA cross-link repair 1B	687
NAD kinase 2, mitochondrial	1039
zinc finger protein 703	1557
sterile alpha motif domain containing 4A	449

neuroblastoma breakpoint family, member 10	5
transmembrane protein 236	5
ATPase, Ca ⁺⁺ transporting, cardiac muscle, fas	12
Uncharacterized protein; cDNA FLJ52611	5
solute carrier family 5 (sodium/monocarboxylat	8
U2AF homology motif (UHM) kinase 1	48
Rho guanine nucleotide exchange factor (GEF) 4	189
	5
enhancer of zeste homolog 1 (Drosophila)	70
glutathione peroxidase 8 (putative)	2107
NCK-associated protein 5	51
family with sequence similarity 222, member A	23
phosphatidylinositol glycan anchor biosynthesi	211
N-acylsphingosine amidohydrolase (acid ceramid	445
interferon regulatory factor 2 binding protein	8690
Yipl domain family, member 3	616
Ras association (RalGDS/AF-6) domain family me	461
signal peptide peptidase like 3	799
GIPC PDZ domain containing family, member 2	16
phosphodiesterase 1B, calmodulin-dependent	6
potassium voltage-gated channel, shaker-relate	5
cholinergic receptor, nicotinic, alpha 10 (neu	5
transcriptional regulating factor 1	52
filamin binding LIM protein 1	581
sperm antigen with calponin homology and coile	3720
fermitin family member 1	245
Uncharacterized protein	5
chemokine (C-X-C motif) receptor 2	5
NADPH oxidase, EF-hand calcium binding domain	5
family with sequence similarity 110, member D	5
claudin 18	5
far upstream element (FUSE) binding protein 1	2021
carbohydrate (N-acetylglucosamine 6-0) sulfotr	406
stonin 2	40
EPH receptor A7	213
adenylate cyclase 7	238
N-deacetylase/N-sulfotransferase (heparan gluc	12
synaptotagmin XIII	5
zinc finger and SCAN domain containing 22	45
chromosome 14 open reading frame 180	5
G protein regulated inducer of neurite outgrow	5
zinc finger CCCH-type containing 11A	71
leukocyte immunoglobulin-like receptor, subfam	5
sterile alpha motif domain containing 4B	46
ring finger protein 38	348
hormonally up-regulated Neu-associated kinase	85
potassium channel tetramerization domain conta	3328
plexin domain containing 2	506
sushi-repeat containing protein, X-linked 2	69
CTD (carboxy-terminal domain, RNA polymerase I	372
thyroid hormone receptor interactor 12	145
protein tyrosine phosphatase, non-receptor typ	104
zinc metallopeptidase STE24	513
RAB3A interacting protein (rabin3)-like 1	157

pleckstrin and Sec7 domain containing 3	133
kinesin family member 21A	37
serpin peptidase inhibitor, clade B (ovalbumin	154
xylosyltransferase I	159
fucosyltransferase 9 (alpha (1,3) fucosyltrans	5
iodotyrosine deiodinase	5
sideroflexin 3	154
keratin 74	5
POU class 4 homeobox 2	5
Ras protein-specific guanine nucleotide-releas	140
chromosome 5 open reading frame 42	45
protein phosphatase 2, regulatory subunit B',	23
Uncharacterized protein	10
RAB5B, member RAS oncogene family	14
mitogen-activated protein kinase 8	227
CCR4-NOT transcription complex, subunit 2	1189
tripartite motif containing 41	494
interleukin 7 receptor	293
MAK16 homolog (S. cerevisiae)	97
podoplanin	264
par-3 family cell polarity regulator beta	38
polybromo 1	689
oligodendrocyte transcription factor 1	34
calcium channel, voltage-dependent, beta 1 sub	81
family with sequence similarity 124A	5
shisa family member 2	30
cadherin 24, type 2	44
tRNA methyltransferase 10 homolog A (S. cerevi	89
potassium voltage-gated channel, shaker-relate	5
T-box 15	14
suppressor of Ty 5 homolog (S. cerevisiae)	390
SIX homeobox 6	5
chromosome 3 open reading frame 58	118
AKT1 substrate 1 (proline-rich)	754
BMP2 inducible kinase	164
cytochrome b5 reductase 3	542
trichoplein, keratin filament binding	140
centromere protein C	45
OTU domain containing 7B	299
pogo transposable element with KRAB domain	377
Uncharacterized protein	145
PHD finger protein 21A	301
arrestin domain containing 3	1313
synaptotagmin V	5
hippocampus abundant transcript-like 1	767
histamine receptor H2	5
nitrogen permease regulator-like 3 (S. cerevis	129
F-box protein 40	5
golgin A8 family, member A	2264
ELKS/RAB6-interacting/CAST family member 2	11
serpin peptidase inhibitor, clade F (alpha-2 a	2334
transmembrane anterior posterior transformatio	105
insulin-like growth factor 2 receptor	46
vinculin	189

serine/threonine kinase 10	655
zinc finger protein 398	305
chromosome 4 open reading frame 33	18
UBX domain protein 2B	157
kelch repeat and BTB (POZ) domain containing 1	5
calyntenin 3	5
potassium inwardly-rectifying channel, subfamily 1	53
SCY1-like 3 (<i>S. cerevisiae</i>)	124
FGFR1 oncogene partner	552
DDB1 and CUL4 associated factor 7	3289
capping protein (actin filament) muscle Z-line	1159
activin A receptor, type IC	27
uroplakin 1A	5
mitogen-activated protein kinase 13	499
cyclin I family, member 2	5
kinesin family member 5A	5
coiled-coil-helix-coiled-coil-helix domain containing 1	1577
matrix metalloproteinase 15 (membrane-inserted)	605
cryptochrome 2 (photolyase-like)	63
tropomyosin 3	669
CCDC169-SOHLH2 readthrough	15
UBX domain protein 7	95
solute carrier family 30 (zinc transporter), member 1	19
FSHD region gene 1 family, member B	94
vasohibin 2	70
nidogen 2 (osteonidogen)	4292
BTB and CNC homology 1, basic leucine zipper transcription factor 1	273
F-box protein 32	500
G protein-coupled receptor 64	175
sorting nexin 11	20
non-POU domain containing, octamer-binding	177
zinc finger protein 549	7
zinc finger protein 776	1447
Protein FAM47E	503
neuroblastoma breakpoint family, member 9	5
paraneoplastic Ma antigen family-like 1	313
myelin protein zero	17
Uncharacterized protein	5
synaptotagmin XIV	16
activating transcription factor 2	123
heparanase	37
dynein, light chain, LC8-type 2	1162
myosin VA (heavy chain 12, myosin)	573
ets variant 6	44
MDM2 oncogene, E3 ubiquitin protein ligase	455
SRC kinase signaling inhibitor 1	5
DEAD (Asp-Glu-Ala-Asp) box polypeptide 39B	817
chromosome 9 open reading frame 72	25
armadillo repeat containing, X-linked 6	5
neuroblastoma breakpoint family, member 16	5
KIAA0087	5
chromosome 2 open reading frame 48	32
neuroblastoma breakpoint family, member 15	5
adaptor-related protein complex 3, beta 2 subunit	15

sorting nexin family member 21	343
delta/notch-like EGF repeat containing	143
reticulon 4 interacting protein 1	19
RAN binding protein 10	140
family with sequence similarity 124B	5
24-dehydrocholesterol reductase	7645
SKI family transcriptional corepressor 1	22
thyroid hormone receptor interactor 11	13
F-box protein 22	1310
nuclear receptor coactivator 3	282
ring finger protein 4	33
syntaxin 2	216
unc-5 homolog A (C. elegans)	7
peroxisomal biogenesis factor 5-like	5
secretin receptor	7
apelin	48
glutamate receptor, metabotropic 1	5
SEC14-like 3 (S. cerevisiae)	5
transmembrane protein 151B	5
transmembrane protein 143	160
CDK2-associated, cullin domain 1	213
ring finger protein 114	1488
tetratricopeptide repeat domain 37	296
CAP-GLY domain containing linker protein 1	17
ISY1 splicing factor homolog (S. cerevisiae)	897
N-ethylmaleimide-sensitive factor	86
transmembrane BAX inhibitor motif containing 6	4043
adenylate kinase 3	323
bone morphogenetic protein 8a	13
tribbles pseudokinase 1	313
chromosome 22 open reading frame 26	5
glypican 6	410
cysteine-rich, DPF motif domain containing 1	169
golgi membrane protein 1	4212
sorting nexin 12	849
synuclein, alpha interacting protein	236
aryl-hydrocarbon receptor nuclear translocator	39
desmocollin 1	7
RNA binding motif protein 14	3993
eukaryotic translation initiation factor 2B, s	901
ADAM metallopeptidase with thrombospondin type	5
spastin	239
ring finger protein 217	92
RNA binding motif protein 20	7
serine palmitoyltransferase, long chain base s	95
LIM domain 7	4663
phosphate cytidyltransferase 1, choline, alp	731
testis expressed 15	58
transmembrane protein 38B	755
guanine nucleotide binding protein (G protein)	565
kinesin family member 26B	25
RAB6A, member RAS oncogene family	9
kelch-like family member 6	5
purine-rich element binding protein B	497

LIM homeobox transcription factor 1, beta	8
collagen, type IV, alpha 4	133
homeobox containing 1	27
SET domain, bifurcated 2	70
protein phosphatase 4, regulatory subunit 1-li	27
biotinidase	183
Uncharacterized protein	110
coiled-coil domain containing 89	11
homeobox D4	214
LIM and SH3 protein 1	552
low density lipoprotein receptor-related prote	270
transducin (beta)-like 2	990
heparan sulfate (glucosamine) 3-O-sulfotransfe	5
threonine synthase-like 1 (<i>S. cerevisiae</i>)	140
solute carrier family 6 (neutral amino acid tr	5
neurobeachin	5
gamma-aminobutyric acid (GABA) A receptor, alp	55
neuropeptide FF receptor 1	5
phosphoinositide-3-kinase, regulatory subunit	1484
synaptotagmin II	5
ferredoxin-fold anticodon binding domain conta	60
fibronectin type III domain containing 3B	509
lin-7 homolog A (<i>C. elegans</i>)	86
calnexin	17053
ribosomal RNA processing 15 homolog (<i>S. cerevi</i>	243
charged multivesicular body protein 1B	3248
contactin associated protein-like 2	29
TMEM256-PLSCR3 readthrough (NMD candidate)	976
kin of IRRE like (<i>Drosophila</i>)	493
vacuolar protein sorting 4 homolog B (<i>S. cerev</i>	180
ventral anterior homeobox 1	8
protein arginine methyltransferase 2	584
calmodulin regulated spectrin-associated prote	966
Ras association (RalGDS/AF-6) domain family (N	147
seizure threshold 2 homolog (mouse)	123
shroom family member 3	2841
YTH domain family, member 1	748
abhydrolase domain containing 4	102
fibronectin leucine rich transmembrane protein	11
tetraspanin 5	107
dihydrolipoamide branched chain transacylase E	117
leucine-rich alpha-2-glycoprotein 1	1511
epithelial splicing regulatory protein 1	74
kallikrein-related peptidase 10	5
dymeclin	547
sideroflexin 1	1018
calcium binding protein 39-like	12
trinucleotide repeat containing 6C	248
mediator complex subunit 14	1038
G protein-coupled receptor 20	34
T cell receptor associated transmembrane adapt	5
zinc finger protein 620	78
zinc fingers and homeoboxes 3	131
zinc finger protein 529	120

TBC1 domain family, member 20	761
cingulin	17
nucleoporin 210kDa	246
ribonuclease L (2',5'-oligoadenylate synthe	86
tumor necrosis factor receptor superfamily, me	243
translocase of outer mitochondrial membrane 40	13
prohibitin	759
cytochrome P450, family 2, subfamily W, polype	5
TIMP metalloproteinase inhibitor 2	3147
golgin A7 family, member B	5
somatomedin B and thrombospondin, type 1 domai	8
runt-related transcription factor 1; transloca	9
zinc finger protein 586	137
caprin family member 2	17
chromosome 1 open reading frame 226	369
zinc finger protein 75a	145
Down syndrome cell adhesion molecule	5
zinc finger protein 256	18
ubiquitin-conjugating enzyme E2I	291
killer cell lectin-like receptor subfamily C,	9
carbamoyl-phosphate synthase 1, mitochondrial	11682
ribosomal RNA processing 7 homolog A (S. cerev	522
UDP-N-acetyl-alpha-D-galactosamine:polypeptide	49
phosphatidylinositol transfer protein, alpha	366
rippy transcriptional repressor 3	16
protein phosphatase 1, regulatory subunit 3E	77
family with sequence similarity 3, member A	260
chromosome 12 open reading frame 60	11
protein tyrosine phosphatase, receptor type, G	696
zinc finger and BTB domain containing 44	236
tet methylcytosine dioxygenase 3	1437
C-type lectin domain family 2, member D	11
gigaxonin	185
wingless-type MMTV integration site family, me	40
empty spiracles homeobox 2	54
transmembrane protein 132B	5
heparan sulfate 6-O-sulfotransferase 2	4566
PHD finger protein 8	85
family with sequence similarity 153, member A	5
PHD finger protein 15	387
RNA binding motif protein 44	5
B-cell CLL/lymphoma 9	70
G protein-coupled receptor, family C, group 5,	84
short stature homeobox 2	66
oculocerebrorenal syndrome of Lowe	818
G protein-coupled receptor 37 like 1	5
serine/threonine/tyrosine kinase 1	13
forkhead box C1	1301
solute carrier family 16, member 4	19
solute carrier family 15 (oligopeptide transpo	588
zinc finger protein 687	1250
DEAD (Asp-Glu-Ala-Asp) box polypeptide 19B	690
LSM12 homolog (S. cerevisiae)	20
thioredoxin-related transmembrane protein 3	348

nucleoredoxin	811
G patch domain containing 8	337
poly(A) binding protein interacting protein 2B	42
TraB domain containing 2A	94
chloride channel, voltage-sensitive 4	182
KIAA1024-like	5
alcohol dehydrogenase 1B (class I), beta polyp	5
potassium voltage-gated channel, shaker-relate	35
aryl hydrocarbon receptor nuclear translocator	456
anoctamin 3	5
chemokine (C-C motif) receptor 5 (gene/pseudog	5
tudor domain containing 1	5
mitochondrial fission factor	129
epilepsy, progressive myoclonus type 2A, Lafor	197
nuclear factor of activated T-cells, cytoplasm	105
cyclin-dependent kinase-like 2 (CDC2-related k	7
arginine vasopressin receptor 1A	9
chromosome 11 open reading frame 74	57
translocase of inner mitochondrial membrane 13	5135
family with sequence similarity 96, member A	191
RAB23, member RAS oncogene family	32
reticulon 3	85
tetratricopeptide repeat domain 13	3928
ubiquitin protein ligase E3B	916
purinergic receptor P2Y, G-protein coupled, 1	58
signal-induced proliferation-associated 1 like	1578
core-binding factor, runt domain, alpha subuni	107
tripartite motif containing 71, E3 ubiquitin p	67
sema domain, immunoglobulin domain (Ig), trans	30
transmembrane protein 30B	10
RB-associated KRAB zinc finger	99
helicase-like transcription factor	127
spermatogenesis associated 13	900
JAZF zinc finger 1	869
APOBEC1 complementation factor	80
RAB15, member RAS oncogene family	23
inositol monophosphatase domain containing 1	1488
chromosome 2 open reading frame 72	3885
leucine-rich repeats and death domain containi	9
ARP2 actin-related protein 2 homolog (yeast)	71
transmembrane protein 19	1378
mucin 1, cell surface associated	388
Cdc42 guanine nucleotide exchange factor (GEF)	13
phosphatase and actin regulator 3	84
WD repeat domain 31	23
regulator of G-protein signaling 7 binding pro	5
butyrophilin, subfamily 3, member A3	16
tumor protein p53 regulated apoptosis inducing	5
	8
enolase superfamily member 1	95
speckle-type POZ protein-like	216
melanoma cell adhesion molecule	398
arsenic (+3 oxidation state) methyltransferase	379
progesterone receptor	8

chromosome 11 open reading frame 58	1782
zinc finger protein 148	230
neuronal calcium sensor 1	1083
sterile alpha motif domain containing 8	100
chromodomain protein, Y-like	24
oxidative stress responsive 1	1790
mediator complex subunit 9	256
fukutin	153
zinc finger, CCHC domain containing 16	5
zinc finger protein 320	10
sorting nexin 20	5
TBC1 domain family, member 22B	127
amylo-alpha-1, 6-galactosidase, 4-alpha-galactanot	48
inhibitor of kappa light polypeptide gene enhan	334
aarF domain containing kinase 2	294
chromosome 21 open reading frame 90	26
USP6 N-terminal like	183
protein-O-mannosyltransferase 1	2617
CTD (carboxy-terminal domain, RNA polymerase I	457
elongation factor RNA polymerase II	250
homeodomain interacting protein kinase 2	48
crumbs homolog 1 (Drosophila)	115
regulatory associated protein of MTOR, complex	190
coatamer protein complex, subunit alpha	803
SWAP switching B-cell complex 70kDa subunit	492
transmembrane protein 45B	67
leucine zipper protein 1	434
sialic acid binding Ig-like lectin 11	5
polymeric immunoglobulin receptor	13
dual oxidase maturation factor 1	5
homeobox C12	5
hydroxy-delta-5-steroid dehydrogenase, 3 beta-	173
regulator of G-protein signaling 16	7
DDHD domain containing 2	961
PHD finger protein 13	1207
adrenomedullin 2	129
caldesmon 1	1013
frizzled family receptor 2	807
signal peptide, CUB domain, EGF-like 3	47
ATPase, H ⁺ transporting, lysosomal 13kDa, V1 s	8219
chloride channel, voltage-sensitive 5	154
schlafen family member 5	195
SOGA family member 3	95
ciliary neurotrophic factor	46
RAB GTPase activating protein 1	514
B-cell CLL/lymphoma 9-like	91
egl-9 family hypoxia-inducible factor 1	505
VENT homeobox	5
tumor protein p53 inducible protein 11	90
TAF4b RNA polymerase II, TATA box binding prot	52
solute carrier family 39 (zinc transporter), m	845
fibroblast growth factor receptor 2	75
stromal antigen 2	216
chromosome 15 open reading frame 38	325

calcium activated nucleotidase 1	538
poly (ADP-ribose) polymerase family, member 14	502
cytidine monophosphate (UMP-CMP) kinase 2, mit	13
Sec6l alpha 2 subunit (<i>S. cerevisiae</i>)	105
osteosarcoma amplified 9, endoplasmic reticulu	1038
ribosomal protein S6 kinase, 90kDa, polypeptid	156
centrosomal protein 350kDa	705
SRY (sex determining region Y)-box 5	43
KAT8 regulatory NSL complex subunit 1	5
G protein-coupled receptor 180	161
alcohol dehydrogenase, iron containing, 1	33
EGF-like, fibronectin type III and laminin G d	123
DEAD/H (Asp-Glu-Ala-Asp/His) box helicase 11	175
coronin 6	48
membrane protein, palmitoylated 6 (MAGUK p55 s	389
CAP-GLY domain containing linker protein 3	9
proprotein convertase subtilisin/kexin type 7	92
keratin 38	5
phospholipase C, delta 1	21
actin binding LIM protein 1	1321
polycystin (PKD) family receptor for egg jelly	5
paired box 8	11
RAD54-like 2 (<i>S. cerevisiae</i>)	215
glutamyl-tRNA synthetase 2, mitochondrial	394
solute carrier family 7 (amino acid transporte	155
uncharacterized serine/threonine-protein kinas	17
family with sequence similarity 134, member C	397
zinc finger CCCH-type containing 13	229
ADNP homeobox 2	808
zinc finger protein 142	252
lipase, member H	18
OTU domain containing 6B	18
major facilitator superfamily domain containin	395
tetratricopeptide repeat domain 14	99
hexamethylene bis-acetamide inducible 1	179
cytochrome c oxidase assembly factor 1 homolog	244
zinc finger protein 317	433
ADP-ribosylation factor-like 5B	368
cell adhesion associated, oncogene regulated	173
zinc finger protein 510	40
IKAROS family zinc finger 1 (Ikaros)	11
hypoxia inducible factor 1, alpha subunit inhi	1545
chromosome 17 open reading frame 103	54
kinesin family member 21B	12
adrenoceptor beta 3	5
calpain 6	5
zinc finger protein 621	39
v-myb avian myeloblastosis viral oncogene homo	53
laminin, beta 4	5
casein kinase 1, gamma 2	5
inhibitor of kappa light polypeptide gene enha	5
chromosome 18 open reading frame 63	5
zinc finger protein 534	5
mitochondrial antiviral signaling protein	211

heme binding protein 2	252
ankyrin repeat domain 52	2913
F-box and leucine-rich repeat protein 20	455
wings apart-like homolog (Drosophila)	185
OTU domain containing 3	438
potassium channel tetramerization domain conta	404
solute carrier family 35 (GDP-fucose transport	856
chromatin target of PRMT1	2499
UDP glycosyltransferase 3 family, polypeptide	90
v-maf avian musculoaponeurotic fibrosarcoma on	333
zinc finger protein 501	24
neurolysin (metallopeptidase M3 family)	885
sorcin	278
maestro heat-like repeat family member 6	24
Crm, cramped-like (Drosophila)	731
zinc finger protein 678	89
ALG6, alpha-1,3-glycosyltransferase	140
coiled-coil domain containing 3	16
zinc finger, FYVE domain containing 1	5
CDP-diacylglycerol synthase (phosphatidate cyt	720
GATA binding protein 4	5
family with sequence similarity 131, member B	5
eukaryotic translation initiation factor 4 gam	61971
zinc finger protein 512	189
MAU2 sister chromatid cohesion factor	5234
adaptor-related protein complex 5, beta 1 subu	22
retinoblastoma-like 1 (p107)	88
ELOVL fatty acid elongase 2	99
cytohesin 3	248
insulin-like growth factor binding protein 5	10709
C2 calcium-dependent domain containing 4B	14
chromosome 1 open reading frame 116	17
ubiquitin specific peptidase 31	214
KIAA0355	538
HECT domain containing E3 ubiquitin protein li	45
LSM11, U7 small nuclear RNA associated	1458
FOS-like antigen 2	2255
solute carrier family 16, member 2 (thyroid ho	22
zinc finger protein 268	156
Uncharacterized protein	15
kinesin family member 24	84
kelch-like family member 18	74
RNA binding motif protein 41	41
mediator complex subunit 1	87
ATPase, class VI, type 11A	731
ybeY metallopeptidase (putative)	40
peroxidasin homolog (Drosophila)	872
translational activator of mitochondrially enc	755
mediator complex subunit 22	43
family with sequence similarity 84, member B	45
chromosome 1 open reading frame 95	28
REST corepressor 1	403
BRI3 binding protein	820
ST6 beta-galactosamide alpha-2,6-sialyltransfer	549

alanine and arginine rich domain containing pr	7
AT rich interactive domain 4A (RBP1-like)	33
chromosome 17 open reading frame 102	5
chromosome 19 open reading frame 54	18
chemokine (C-X-C motif) receptor 6	5
eukaryotic translation initiation factor 4E fa	475
testis specific, 10	8
transmembrane protein 108	31
transformation/transcription domain-associated	351
missing oocyte, meiosis regulator, homolog (Dr	77
zinc finger protein 611	7
regulating synaptic membrane exocytosis 2	8
apolipoprotein O-like	109
RAD9 homolog A (S. pombe)	38
CD22 molecule	13
ribosomal protein L12	30
zinc finger and BTB domain containing 21	802
TAF4 RNA polymerase II, TATA box binding prote	61
digestive organ expansion factor homolog (zebr	493
insulin-degrading enzyme	446
Fas (TNFRSF6) associated factor 1	428
diablo, IAP-binding mitochondrial protein	1700
chromosome 2 open reading frame 54	13
zinc finger protein 526	256
erythrocyte membrane protein band 4.2	5
solute carrier family 25, member 34	5
G patch domain containing 11	113
zinc finger protein 804B	0
chromosome 14 open reading frame 177	5
neuroblastoma breakpoint family, member 12	5
NYN domain and retroviral integrase containing	1928
bassoon presynaptic cytomatrix protein	31
amine oxidase, copper containing 3	59
chromosome 6 open reading frame 141	28
GATA zinc finger domain containing 2A	986
syntaxin binding protein 4	62
LIM domains containing 1	1092
discs, large (Drosophila) homolog-associated p	1188
Usher syndrome 2A (autosomal recessive, mild)	5
proline rich 20D	5
zinc finger protein 300	107
solute carrier family 6 (amino acid transporte	5
lymphocyte antigen 6 complex, locus G5B	200
proline rich 20A	5
proline rich 20C	5
zyg-11 family member B, cell cycle regulator	975
proline rich 20E	5
GRAM domain containing 1C	12
phosphodiesterase 4A, cAMP-specific	48
protocadherin 17	477
inducible T-cell co-stimulator	5
proline rich 20B	5
intermediate filament family orphan 2	139
PAP associated domain containing 7	3195

NEDD4 binding protein 1	105
ubiquitin-like modifier activating enzyme 6	169
olfactomedin 4	5
INO80 complex subunit	279
podocalyxin-like	2928
chromosome 12 open reading frame 66	98
tubulin, beta 4A class IVa	8
Lipid phosphate phosphatase-related protein ty	5
synaptotagmin-like 5	37
androgen receptor	57
neuroblastoma breakpoint family, member 11	5
protein tyrosine phosphatase, receptor type, f	5
tousled-like kinase 1	200
forkhead box K1	368
family with sequence similarity 212, member B	211
zinc finger, FYVE domain containing 16	388
abhydrolase domain containing 17A	202
DnaJ (Hsp40) homolog, subfamily C, member 10	709
mediator complex subunit 13-like	73
membrane-spanning 4-domains, subfamily A, memb	5
immunoglobulin superfamily containing leucine-	6
solute carrier family 4 (sodium bicarbonate co	6
family with sequence similarity 216, member B	5
arachidonate lipoxygenase 3	5
alpha-kinase 3	16
myocyte enhancer factor 2A	654
transmembrane protein 245	1320
coagulation factor IX	5
ataxin 7-like 3	43
lipocalin 10	10
saccharopine dehydrogenase (putative)	1752
family with sequence similarity 199, X-linked	856
Src homology 2 domain containing E	9
vitamin K epoxide reductase complex, subunit 1	2291
SERTA domain containing 1	603
phosphofurin acidic cluster sorting protein 1	87
distal-less homeobox 2	653
tumor necrosis factor (ligand) superfamily, me	29
cholinergic receptor, nicotinic, beta 4 (neuro	5
KIAA0247	161
endothelin receptor type B	5
neuroblastoma breakpoint family, member 1	21
serine active site containing 1	129
solute carrier family 9, subfamily A (NHE7, ca	147
mannosyl (alpha-1,3-)-glycoprotein beta-1,4-N-	223
aldehyde dehydrogenase 3 family, member A2	940
DET1 and DDB1 associated 1	76
guanylate cyclase 1, soluble, alpha 2	24
solute carrier family 7, member 6 opposite str	751
family with sequence similarity 129, member A	213
chromosome 22 open reading frame 39	360
KH-type splicing regulatory protein	4469
dopachrome tautomerase	5
tenascin XB	5

RNA binding motif protein 48	220
mesenchyme homeobox 1	5
dpy-19-like 1 (<i>C. elegans</i>)	80
phosphatidylinositol glycan anchor biosynthesi	1203
leucine rich repeat containing 3	176
family with sequence similarity 169, member A	90
zinc finger protein 35	71
chromosome 19 open reading frame 25	498
dimethylglycine dehydrogenase	17
cleavage stimulation factor, 3' pre-RNA, subun	658
TIMP metalloproteinase inhibitor 4	38
RNA guanylyltransferase and 5'-phosphatase	1384
cell division cycle 25C	125
protocadherin gamma subfamily A, 11	145
protocadherin gamma subfamily B, 6	145
retinoid X receptor, beta	46
protein tyrosine phosphatase, receptor type, S	322
KAT8 regulatory NSL complex subunit 1-like	5
HCG1811579; Uncharacterized protein	25
protocadherin gamma subfamily B, 7	145
protocadherin gamma subfamily A, 4	145
zona pellucida-like domain containing 1	5
pim-2 oncogene	77
hydroxycarboxylic acid receptor 2	5
tau tubulin kinase 2	18
cancer susceptibility candidate 3	493
protocadherin gamma subfamily B, 2	145
interleukin 17D	130
solute carrier organic anion transporter famil	5
glycerophosphodiester phosphodiesterase domain	8
CAP-GLY domain containing linker protein 2	2111
protocadherin gamma subfamily A, 1	145
protocadherin gamma subfamily B, 3	145
mediator complex subunit 13	561
protocadherin gamma subfamily B, 4	145
protocadherin gamma subfamily A, 5	145
protocadherin gamma subfamily B, 1	145
toll interacting protein	1536
mannan-binding lectin serine peptidase 1 (C4/C	838
mediator complex subunit 20	32
PCF11 cleavage and polyadenylation factor subu	218
F-box protein 42	854
Uncharacterized protein	32
cyclin-dependent kinase 5, regulatory subunit	335
SKI-like oncogene	210
solute carrier family 8 (sodium/calcium exchan	61
peroxisome proliferator-activated receptor gam	12
lysine (K)-specific methyltransferase 2A	1092
neurofibromin 2 (merlin)	828
protocadherin gamma subfamily A, 3	145
TNF receptor-associated factor 1	5
protocadherin gamma subfamily C, 3	145
	164
protocadherin gamma subfamily A, 12	145

protocadherin gamma subfamily A, 6	145
Ras and Rab interactor 2	539
platelet-derived growth factor receptor, alpha	39
cyclic nucleotide gated channel beta 3	5
coiled-coil domain containing 85A	46
metastasis associated 1 family, member 2	1168
multivesicular body subunit 12B	29
ubiquitin protein ligase E3C	1332
protocadherin gamma subfamily A, 9	145
poly (ADP-ribose) polymerase family, member 16	97
protocadherin gamma subfamily A, 7	145
protocadherin gamma subfamily A, 2	145
transcriptional adaptor 3	135
protocadherin gamma subfamily A, 8	145
leucine-rich repeat LGI family, member 3	5
protein associated with topoisomerase II homol	703
solute carrier family 35 (UDP-N-acetylglucosam	191
dipeptidyl-peptidase 8	1293
Cbl proto-oncogene B, E3 ubiquitin protein lig	469
signal peptide, CUB domain, EGF-like 2	57
GINS complex subunit 4 (Sld5 homolog)	500
tetratricopeptide repeat domain 9C	475
major histocompatibility complex, class II, DO	5
spla/ryanodine receptor domain and SOCS box co	572
RNA binding motif protein 23	1540
endosulfine alpha	167
protein phosphatase 1, regulatory subunit 7	119
T-cell leukemia homeobox 2	5
protocadherin gamma subfamily A, 10	145
Ral GEF with PH domain and SH3 binding motif 2	201
microfibrillar-associated protein 2	10
junctophilin 3	318
retrotransposon gag domain containing 4	34
protocadherin gamma subfamily C, 4	145
protocadherin gamma subfamily C, 5	145
ectonucleoside triphosphate diphosphohydrolase	5
coxsackie virus and adenovirus receptor	56
F-box and WD repeat domain containing 8	169
striatin interacting protein 1	114
dynactin 5 (p25)	764
sal-like 4 (Drosophila)	155
	5
major histocompatibility complex, class II, DP	5
chromosome 9 open reading frame 66	13
taxilin alpha	564
endonuclease domain containing 1	100
dual specificity phosphatase 2	41
actin filament associated protein 1-like 1	10
calmin (calponin-like, transmembrane)	53
methylmalonic aciduria (cobalamin deficiency)	38
AF4/FMR2 family, member 2	8
vesicle transport through interaction with t-S	376
calcium binding and coiled-coil domain 2	1160
chromodomain helicase DNA binding protein 4	145

YKT6 v-SNARE homolog (<i>S. cerevisiae</i>)	2409
hydroxycarboxylic acid receptor 3	5
tumor suppressor candidate 5	5
cell division cycle associated 7-like	292
solute carrier family 26 (anion exchanger), me	18
anoctamin 1, calcium activated chloride channe	78
interferon, epsilon	65
ribosomal protein S17-like	5
ribosomal protein S17	5
golgi-associated, gamma adaptin ear containing	325
SRR1 domain containing	1069
dihydropyrimidinase-like 3	5209
anthrax toxin receptor 2	51
zinc finger protein 28	9
ZFP37 zinc finger protein	24
discs, large homolog 3 (<i>Drosophila</i>)	185
T-box 18	54
cytochrome c oxidase subunit VIb polypeptide 1	1779
SLIT-ROBO Rho GTPase activating protein 1	64
fibulin 5	146
zinc finger, MYM-type 2	172
pentatricopeptide repeat domain 2	377
shroom family member 4	5
aquaporin 7	10
synaptic vesicle glycoprotein 2B	7
APH1A gamma secretase subunit	475
elongation factor Tu GTP binding domain contai	3704
alkaline ceramidase 1	5
unc-80 homolog (<i>C. elegans</i>)	5
biphenyl hydrolase-like (serine hydrolase)	618
zinc finger protein 467	11
TNFRSF1A-associated via death domain	117
armadillo repeat containing 5	376
proline/arginine-rich end leucine-rich repeat	5
adaptor-related protein complex 2, mu 1 subuni	10753
troponin I type 1 (skeletal, slow)	5
uveal autoantigen with coiled-coil domains and	82
ectonucleoside triphosphate diphosphohydrolase	105
drebrin-like	1802
septin 11	515
small integral membrane protein 13	199
family with sequence similarity 111, member B	39
chemokine (C-X3-C motif) ligand 1	218
protein phosphatase 3, regulatory subunit B, a	117
interleukin-1 receptor-associated kinase 1 bin	30
kelch-like family member 7	90
suppressor of fused homolog (<i>Drosophila</i>)	247
carboxylesterase 2	24
GEN1 Holliday junction 5' flap endonuclease	161
vesicle-associated membrane protein 7	5
importin 9	3549
CCR4-NOT transcription complex, subunit 6	300
integrin, alpha 9	9
dishevelled associated activator of morphogene	5

nuclear mitotic apparatus protein 1	7
pipecolic acid oxidase	30
serine/arginine repetitive matrix 4	22
H2A histone family, member V	9640
hexose-6-phosphate dehydrogenase (glucose 1-de	467
DEAD (Asp-Glu-Ala-Asp) box polypeptide 18	141
chromosome 17 open reading frame 72	5
tetratricopeptide repeat domain 39A	174
SET binding protein 1	77
Yipl domain family, member 4	3482
KIAA1958	117
LON peptidase N-terminal domain and ring finge	36
nucleolar protein 12	536
family with sequence similarity 196, member B	174
GTPase activating protein (SH3 domain) binding	688
collagen, type IX, alpha 2	189
protein kinase, cGMP-dependent, type I	12
myocardin	62
zinc finger protein 609	103
seizure related 6 homolog (mouse)-like	5
cullin-associated and neddylation-dissociated	92
Uncharacterized protein; cDNA FLJ45856 fis, cl	7
geranylgeranyl diphosphate synthase 1	184
gamma-aminobutyric acid (GABA) A receptor, eps	6
cAMP-regulated phosphoprotein, 19kDa	1316
transportin 2	1620
ring finger protein 115	757
transforming growth factor beta regulator 1	275
pleckstrin homology-like domain, family B, mem	126
poly (ADP-ribose) polymerase family, member 8	80
prickle homolog 1 (Drosophila)	146
chloride channel CLIC-like 1	849
neuron navigator 2	337
v-rel avian reticuloendotheliosis viral oncoge	1707
centlein, centrosomal protein	42
NDC1 transmembrane nucleoporin	371
zinc finger homeobox 3	57
NLR family, pyrin domain containing 10	21
proline and serine-rich protein 2	61
chromosome 14 open reading frame 119	6513
transmembrane and tetratricopeptide repeat con	406
methyltransferase like 20	47
wingless-type MMTV integration site family mem	5
leucine rich repeat containing 38	5
anoctamin 5	12
transmembrane protein 86A	5
BCL2 binding component 3	87
metallothionein 1A	19
serine/arginine-rich splicing factor 10	1920
p53 and DNA-damage regulated 1	116
zinc finger, DHHC-type containing 20	1486
formin-like 3	132
lectin, galactoside-binding, soluble, 3 bindin	238
Sp2 transcription factor	779

ATP-binding cassette, sub-family F (GCN20), me	48
dynamin 1-like	399
protein kinase D3	203
ring finger protein 40, E3 ubiquitin protein 1	773
RPGRIP1-like	55
histone deacetylase 4	48
chromosome 11 open reading frame 48	29
kinesin family member 5C	19
short stature homeobox	5
CMT1A duplicated region transcript 4	109
eukaryotic translation initiation factor 4B	37
methyl-CpG binding domain protein 3	393
transcription factor 4	394
BCL2-associated transcription factor 1	1732
vacuolar protein sorting 53 homolog (S. cerevi	1332
pre-B-cell leukemia homeobox 1	18
glutamate-rich WD repeat containing 1	2673
Bet1 golgi vesicular membrane trafficking prot	702
Zinc finger protein 268	156
peroxisomal biogenesis factor 26	157
transmembrane protein 65	769
queuine tRNA-ribosyltransferase domain contain	123
torsin family 1, member B (torsin B)	222
Mab-21 domain containing 2	48
EGF domain-specific O-linked N-acetylglucosami	302
protein tyrosine kinase 6	27
suppressor of cancer cell invasion	74
ring finger protein 220	474
PR domain containing 15	328
hedgehog acyltransferase	583
adenosine deaminase, tRNA-specific 2	303
zinc finger and BTB domain containing 39	7
spermatogenesis associated 18	19
KIAA1257	5
zinc finger and BTB domain containing 43	396
lysine (K)-specific demethylase 8	62
transient receptor potential cation channel, s	21
CUB domain containing protein 2	5
pleckstrin homology domain containing, family	45
phosphatidylinositol glycan anchor biosynthesi	152
F-box protein 48	13
GATA zinc finger domain containing 2B	48
neuregulin 2	9
family with sequence similarity 102, member A	85
utrophin	87
BTB (POZ) domain containing 7	590
zinc finger, DHHC-type containing 3	426
homeobox A13	328
growth factor receptor-bound protein 10	1382
sorting nexin 8	303
CD28 molecule	5
proteasome (prosome, macropain) assembly chape	31
deltex 3-like (Drosophila)	319
fidgetin	10

nucleoporin 35kDa	210
serine incorporator 2	624
baculoviral IAP repeat containing 3	9
sema domain, transmembrane domain (TM), and cy	179
solute carrier family 34 (type II sodium/phosp	5
chromosome 10 open reading frame 105	5
KIAA1045	42
single-strand-selective monofunctional uracil-	242
PAN3 poly(A) specific ribonuclease subunit hom	361
developmental pluripotency associated 3	11
nuclear export mediator factor	18
zinc finger, DHHC-type containing 2	171
zinc finger and BTB domain containing 8B	18
zinc finger protein 451	190
coiled-coil domain containing 80	570
forkhead box B1	31
ADAM metallopeptidase with thrombospondin type	68
adenosylmethionine decarboxylase 1	725
zinc finger and BTB domain containing 6	55
ubiquitin specific peptidase 37	14
solute carrier family 46 (folate transporter),	580
Ras association (RalGDS/AF-6) domain family me	27
BAI1-associated protein 3	10
cap methyltransferase 1	109
RAD23 homolog B (<i>S. cerevisiae</i>)	1012
PRELI domain containing 2	63
family with sequence similarity 122A	1277
phospholipid scramblase 1	220
synapse defective 1, Rho GTPase, homolog 2 (<i>C.</i>	72
nuclear factor I/C (CCAAT-binding transcriptio	26
zinc finger protein 516	311
branched chain keto acid dehydrogenase E1, bet	143
F-box protein 46	197
keratin associated protein 4-9	10
dual specificity phosphatase 3	836
myelin basic protein	96
family with sequence similarity 63, member B	41
piezo-type mechanosensitive ion channel compon	158
Uncharacterized protein	5
cytoplasmic polyadenylation element binding pr	367
sema domain, immunoglobulin domain (Ig), short	85
inhibitor of DNA binding 4, dominant negative	3400
membrane bound O-acyltransferase domain contai	1145
cAMP responsive element binding protein 1	295
calcium channel, voltage-dependent, T type, al	11
F-box and leucine-rich repeat protein 4	321
neutral cholesterol ester hydrolase 1	1779
pogo transposable element with ZNF domain	170
ubiquitin protein ligase E3 component n-recogn	728
SERTA domain containing 4	296
Kruppel-like factor 8	8
activating signal cointegrator 1 complex subun	293
shroom family member 2	121
protein kinase C, alpha	726

zinc finger protein 532	5
microtubule-associated protein 1B	259
tachykinin receptor 1	5
signal-regulatory protein beta 2	5
tetraspanin 1	16
KIAA1009	7
hippocalcin like 4	5
dpy-19-like 3 (C. elegans)	146
UHRF1 binding protein 1	360
2-oxoglutarate and iron-dependent oxygenase do	2120
SIX homeobox 5	47
limbic system-associated membrane protein	19
tetraspanin 2	43
gap junction protein, gamma 1, 45kDa	195
zinc finger protein 845	67
chondroitin sulfate synthase 3	221
POU class 2 homeobox 2	5
ankyrin repeat domain 42	224
ELMO/CED-12 domain containing 3	31
poly (ADP-ribose) polymerase family, member 9	456
myopalladin	73
KIAA1199	660
ankyrin repeat domain 10	37
BCL6 corepressor-like 1	209
adenosine monophosphate deaminase 3	5
complement component 2	52
nuclear RNA export factor 1	1017
GRB2-associated binding protein family, member	5
DEP domain containing 5	221
tubby bipartite transcription factor	743
nipsnap homolog 3B (C. elegans)	26
RNA binding motif (RNP1, RRM) protein 3	1325
integrin, alpha 6	1328
GDP-D-glucose phosphorylase 1	65
inhibitor of growth family, member 5	529
solute carrier family 25, member 44	760
family with sequence similarity 168, member B	122
chromobox homolog 6	215
ATP synthase mitochondrial F1 complex assembly	1637
mitochondrial ribosomal protein L19	816
SMAD family member 5	225
decapping enzyme, scavenger	320
regulation of nuclear pre-mRNA domain containi	280
immunity-related GTPase family, Q	62
solute carrier family 30 (zinc transporter), m	711
SDA1 domain containing 1	91
zinc finger protein 285	31
cyclin-dependent kinase 19	51
zinc finger protein 287	14
aryl hydrocarbon receptor nuclear translocator	574
DEAD (Asp-Glu-Ala-Asp) box polypeptide 46	472
ceramide synthase 3	5
SID1 transmembrane family, member 1	5
shisa family member 7	5

zinc finger protein 831	5
regulating synaptic membrane exocytosis 1	45
BEN domain containing 3	13
WD repeat domain 52	5
phosphatidylinositol-3,4,5-trisphosphate-depen	14
Scm-like with four mbt domains 2	107
PDZ domain containing 2	5
5-hydroxytryptamine (serotonin) receptor 7, ad	12
piccolo presynaptic cytomatrix protein	22
leucine zipper, putative tumor suppressor 1	33
DIP2 disco-interacting protein 2 homolog B (Dr	1613
TRAF family member-associated NFKB activator	176
biogenesis of lysosomal organelles complex-1,	2383
AT rich interactive domain 3A (BRIGHT-like)	320
potassium large conductance calcium-activated	8
platelet-activating factor acetylhydrolase 1b,	180
eukaryotic translation initiation factor 2, su	575
formin 1	25
collagen beta(1-0)galactosyltransferase 1	427
zinc finger protein 605	147
homeobox and leucine zipper encoding	100
homeodomain interacting protein kinase 1	930
Rho GTPase activating protein 39	14
proline-rich transmembrane protein 4	5
phosphoinositide-interacting regulator of tran	5
lysine (K)-specific demethylase 5C	422
sidekick cell adhesion molecule 2	8
DENN/MADD domain containing 4B	167
ST6 (alpha-N-acetyl-neuraminyl-2,3-beta-galact	28
GEM interacting protein	9
zinc finger protein 652	33
alcohol dehydrogenase 5 (class III), chi polyp	217
deiodinase, iodothyronine, type II	98
leucine zipper transcription factor-like 1	593
angel homolog 1 (Drosophila)	299
ras responsive element binding protein 1	340
glutamate-ammonia ligase	1073
HECT, C2 and WW domain containing E3 ubiquitin	28
natural killer-tumor recognition sequence	798
NACC family member 2, BEN and BTB (POZ) domain	172
RAB5C, member RAS oncogene family	96
phosphoinositide kinase, FYVE finger containin	107
transcriptional adaptor 2A	278
nucleus accumbens associated 1, BEN and BTB (P	337
ELK3, ETS-domain protein (SRF accessory protei	2719
poliovirus receptor-related 1 (herpesvirus ent	50
CDNA FLJ27243 fis, clone SYN08134; Uncharacter	5
vav 2 guanine nucleotide exchange factor	477
additional sex combs like 2 (Drosophila)	139
melanocortin 2 receptor (adrenocorticotropic h	5
neuronal PAS domain protein 3	9
kinesin family member C3	65
pumilio RNA-binding family member 2	1047
gamma-glutamyl carboxylase	254

N(alpha)-acetyltransferase 50, NatE catalytic	260
Ras homolog enriched in brain	14
checkpoint kinase 1	338
ATP-binding cassette, sub-family A (ABC1), mem	159
ariadne RBR E3 ubiquitin protein ligase 2	938
guanylate binding protein 2, interferon-induci	1309
phosphatidylinositol-5-phosphate 4-kinase, typ	457
homeobox B6	12
wingless-type MMTV integration site family, me	28
patched domain containing 4	19
two pore segment channel 2	629
double homeobox A	5
dual specificity phosphatase 7	68
DnaJ (Hsp40) homolog, subfamily C, member 28	24
transient receptor potential cation channel, s	18
aldo-keto reductase family 1, member C2	5
homeobox C13	63
spectrin, beta, non-erythrocytic 5	7
coiled-coil domain containing 120	170
paired box 5	5
dipeptidyl-peptidase 10 (non-functional)	5
KIAA1524	498
collagen, type III, alpha 1	215
transducer of ERBB2, 2	71
HemK methyltransferase family member 1	99
EDAR-associated death domain	76
PRP40 pre-mRNA processing factor 40 homolog A	459
chromosome 12 open reading frame 23	602
sarcospan	25
cancer susceptibility candidate 10	116
insulin receptor substrate 1	804
abl-interactor 2	877
A kinase (PRKA) anchor protein 13	53
tripartite motif containing 46	69
ribonucleoprotein, PTB-binding 1	362
ubiquitin-conjugating enzyme E2Z	3688
period circadian clock 3	16
mutated in colorectal cancers	115
kelch repeat and BTB (POZ) domain containing 8	22
radical S-adenosyl methionine domain containin	463
arylacetamide deacetylase-like 3	5
serine/threonine kinase 36	218
U2 small nuclear RNA auxiliary factor 2	1093
peptidylprolyl isomerase (cyclophilin)-like 2	1911
phosphodiesterase 11A	7
thyrotrophic embryonic factor	60
mitogen-activated protein kinase-activated pro	155
metallophosphoesterase domain containing 1	51
molybdenum cofactor sulfurase	627
tumor protein p53 inducible nuclear protein 1	39
chromosome 3 open reading frame 70	19
nicalin	442
WD repeat domain 59	24
mediator complex subunit 29	2453

chromosome 20 open reading frame 144	10
sorting nexin family member 30	33
pleckstrin and Sec7 domain containing 4	72
signal transducer and activator of transcripti	478
hairly/enhancer-of-split related with YRPW moti	37
Kv channel interacting protein 2	5
formin-like 2	31
Uncharacterized protein	200
nuclear fragile X mental retardation protein i	440
tensin 1	591
sodium channel, voltage-gated, type II, alpha	7
chromodomain protein, Y-like 2	239
family with sequence similarity 110, member B	60
ATPase, H ⁺ transporting, lysosomal 42kDa, V1 s	951
methionine adenosyltransferase II, alpha	8
secretogranin III	15
proprotein convertase subtilisin/kexin type 1	83
phosphodiesterase 4D interacting protein	36
TBC1 domain family, member 30	153
aspartylglucosaminidase	601
lysine (K)-specific methyltransferase 2D	78
leucine zipper and CTNBP1 domain containing	508
c-abl oncogene 2, non-receptor tyrosine kinase	892
zinc finger, BED-type containing 1	5
solute carrier family 6 (neurotransmitter tran	5
excision repair cross-complementing rodent rep	93
cytochrome c-1	2640
FLYWCH-type zinc finger 1	97
heparan sulfate (glucosamine) 3-O-sulfotransfe	1489
carbonic anhydrase VII	5
N-ethylmaleimide-sensitive factor attachment p	82
DCN1, defective in cullin neddylation 1, domai	267
Src-like-adaptor 2	5
ST8 alpha-N-acetyl-neuraminide alpha-2,8-sialy	5
activin A receptor, type IIB	21
zinc finger and BTB domain containing 7A	37
TEA domain family member 2	589
presenilin 1	1340
tankyrase, TRF1-interacting ankyrin-related AD	943
NHL repeat containing 2	368
TGFB1-induced anti-apoptotic factor 1	152
Rho GTPase activating protein 17	1337
5-hydroxytryptamine (serotonin) receptor 1D, G	99
golgi transport 1B	848
myeloid/lymphoid or mixed-lineage leukemia (tr	24
family with sequence similarity 78, member A	7
chromosome 17 open reading frame 85	718
SRY (sex determining region Y)-box 6	22
purinergic receptor P2X, ligand-gated ion chan	260
zinc finger, BED-type containing 4	2276
zinc finger protein 70	99
NLR family, pyrin domain containing 5	5
phenylalanyl-tRNA synthetase, alpha subunit	1994
testis development related protein	235

synaptogyrin 1	101
transmembrane protein 55A	151
ectodysplasin A2 receptor	64
lysophosphatidylglycerol acyltransferase 1	135
E74-like factor 4 (ets domain transcription fa	69
synaptic vesicle glycoprotein 2A	10
TBC1 domain family, member 10C	5
angiomin	515
fin bud initiation factor homolog (zebrafish)	135
zinc finger protein 484	22
transcription factor AP-2 beta (activating enh	23
histamine N-methyltransferase	530
heparan-alpha-glucosaminide N-acetyltransferas	865
tubulin, beta 4B class IVb	101
ceramide synthase 6	1932
GRB2-associated binding protein 1	26
arylsulfatase B	86
carboxypeptidase M	125
ATPase, class V, type 10D	440
ankyrin 2, neuronal	133
G protein-coupled receptor 75	35
epiregulin	5
argonaute RISC catalytic component 4	96
tripartite motif containing 26	102
family with sequence similarity 117, member A	185
HAUS augmin-like complex, subunit 6	24
Rho GTPase activating protein 32	13
protein tyrosine phosphatase, receptor type, f	21
sal-like 2 (Drosophila)	233
annexin A11	2285
interleukin 17 receptor D	108
regulator of G-protein signaling 10	457
bobby sox homolog (Drosophila)	141
adaptor-related protein complex 5, mu 1 subuni	198
transcription elongation factor B (SIII), poly	637
EFR3 homolog B (S. cerevisiae)	14
HCG1787533; Uncharacterized protein	14
aminoacyl tRNA synthetase complex-interacting	740
adaptor-related protein complex 5, sigma 1 sub	492
kelch-like family member 38	13
zinc and ring finger 1, E3 ubiquitin protein 1	519
solute carrier family 12 (potassium/chloride t	5
ATPase, Na ⁺ /K ⁺ transporting, beta 2 polypeptid	34
transmembrane protein 255A	113
zinc finger CCCH-type containing 12B	29
mitogen-activated protein kinase kinase 6	235
cytochrome P450, family 27, subfamily B, polyp	11
YTH domain family, member 3	444
MLX, MAX dimerization protein	771
glucoside xylosyltransferase 2	207
GINS complex subunit 2 (Psf2 homolog)	136
F-box protein 41	175
methyltransferase like 2B	22
glucosamine-6-phosphate deaminase 2	117

zinc finger protein 799	17
microtubule-associated protein 9	45
ankyrin repeat domain 40	409
mutL homolog 3	152
tudor domain containing 6	65
nuclear transport factor 2	222
chromosome 6 open reading frame 89	1972
sterile alpha and TIR motif containing 1	130
Sjogren syndrome nuclear autoantigen 1	160
zinc finger, CCHC domain containing 24	359
fibrosin-like 1	778
potassium channel tetramerization domain conta	2483
RasGEF domain family, member 1A	10
chromosome 3 open reading frame 14	67
SAR1 homolog B (<i>S. cerevisiae</i>)	1404
kelch repeat and BTB (POZ) domain containing 1	173
tau tubulin kinase 1	7
mannosyl (beta-1,4-)-glycoprotein beta-1,4-N-a	9
TBC1 domain family, member 2B	5
kinesin family member 3C	177
zinc finger protein 862	7
discs, large (<i>Drosophila</i>) homolog-associated p	5
glycosylphosphatidylinositol specific phosphol	51
TRAF-interacting protein with forkhead-associa	5
hypoxia up-regulated 1	29
chromosome 8 open reading frame 86	5
prostaglandin E receptor 3 (subtype EP3)	14
transmembrane protein 151A	163
attractin-like 1	26
ArfGAP with FG repeats 2	3985
period circadian clock 2	106
catsper channel auxiliary subunit gamma	5
meningioma (disrupted in balanced translocatio	15
	5
C2 calcium-dependent domain containing 2	106
one cut homeobox 3	5
unc-5 homolog B (<i>C. elegans</i>)	90
ribosomal protein S14	2353
cytochrome P450, family 4, subfamily F, polype	5
calcium homeostasis modulator 1	5
Fas apoptotic inhibitory molecule 2	5
synaptotagmin IX	5
zinc finger, FYVE domain containing 26	104
potassium voltage-gated channel, Shaw-related	5
solute carrier family 25 (pyrimidine nucleotid	264
Ras association (RalGDS/AF-6) domain family (N	9
F-box and WD repeat domain containing 2	227
coiled-coil domain containing 47	1484
lysine (K)-specific demethylase 5B	187
v-erb-b2 avian erythroblastic leukemia viral o	511
ubiquitin specific peptidase 10	66
GID complex subunit 4	79
ELKS/RAB6-interacting/CAST family member 1	159
cleavage and polyadenylation specific factor 4	7

choline dehydrogenase	249
DnaJ (Hsp40) homolog, subfamily C, member 5	1089
influenza virus NS1A binding protein	2215
ring finger protein 8, E3 ubiquitin protein li	301
formin binding protein 1	165
dystrophin	211
cell adhesion molecule 3	5
TVP23C-CDRT4 readthrough	109
family with sequence similarity 179, member B	12
Uncharacterized protein	5
zinc finger protein 331	553
chromosome 10 open reading frame 126	5
actin filament associated protein 1	1966
tetratricopeptide repeat domain 7A	400
tuberous sclerosis 1	838
importin 11	202
Myb-like, SWIRM and MPN domains 1	38
Sin3A-associated protein, 30kDa	43
TGF-beta activated kinase 1/MAP3K7 binding pro	577
protein phosphatase 2, regulatory subunit B'',	32
inner centromere protein antigens 135/155kDa	1299
dual specificity phosphatase 22	1330
family with sequence similarity 172, member A	257
murine retrovirus integration site 1 homolog	26
bromodomain and PHD finger containing, 3	7032
single-minded homolog 1 (Drosophila)	104
lactation elevated 1	42
DEAH (Asp-Glu-Ala-His) box polypeptide 36	108
coiled-coil domain containing 6	193
ArfGAP with GTPase domain, ankyrin repeat and	109
transducin (beta)-like 1X-linked	125
zinc finger and BTB domain containing 8A	287
notch 2	734
inducible T-cell co-stimulator ligand	47
RAD18 homolog (S. cerevisiae)	211
zinc finger protein 426	70
epidermal growth factor receptor	632
vasoactive intestinal peptide receptor 2	35
transmembrane protein 81	17
zinc finger protein 730	8
mesoderm induction early response 1, family me	137
immunoglobulin-like domain containing receptor	7
integrin, alpha M (complement component 3 rece	10
two pore segment channel 1	401
MACRO domain containing 2	5
carbohydrate (N-acetylgalactosamine 4-sulfate	59
golgin A3	944
Fanconi anemia, complementation group C	408
coatomer protein complex, subunit zeta 1	2623
F-box protein 30	224
stanniocalcin 1	2932
chromodomain helicase DNA binding protein 9	447
protein tyrosine phosphatase, receptor type, E	44
EF-hand calcium binding domain 11	25

pyruvate dehydrogenase phosphatase regulatory	69
anoctamin 10	330
zinc finger protein 24	1796
GRAM domain containing 3	232
PDZ domain containing 4	7
zinc finger protein 346	5
tweety family member 1	5
Sec61 alpha 1 subunit (<i>S. cerevisiae</i>)	2966
arylsulfatase G	73
SRY (sex determining region Y)-box 1	5
glutamate receptor, ionotropic, AMPA 1	5
androgen-induced 1	1226
MYC induced nuclear antigen	209
colony stimulating factor 3 receptor (granuloc	49
TWIST neighbor	133
chromosome 4 open reading frame 46	128
spermatogenesis associated 5	168
phospholipase C, gamma 1	69
MAP/microtubule affinity-regulating kinase 4	192
zinc finger and BTB domain containing 40	124
glycerophosphocholine phosphodiesterase GDE1 h	155
janus kinase and microtubule interacting prote	26
F-box and leucine-rich repeat protein 7	16
deleted in lymphocytic leukemia 1 (non-protein	22
potassium voltage-gated channel, delayed-recti	5
family with sequence similarity 109, member B	78
tetraspanin 9	1410
retinol binding protein 2, cellular	46
Rho GTPase activating protein 44	22
UDP-N-acetyl-alpha-D-galactosamine:polypeptide	953
nuclear receptor binding SET domain protein 1	685
dual specificity phosphatase 4	245
TBC1 domain containing kinase	20
selectin P ligand	20
G protein-coupled receptor 156	12
growth arrest-specific 7	186
nucleobindin 2	71
A kinase (PRKA) anchor protein 6	5
porcupine homolog (<i>Drosophila</i>)	35
glutamate receptor, metabotropic 5	5
RNA binding motif protein 5	150
bestrophin 3	5
G protein-coupled receptor 176	2683
Rho GTPase activating protein 33	8
RPTOR independent companion of MTOR, complex 2	441
B lymphoid tyrosine kinase	5
neurexin 3	14
transmembrane protein, adipocyte associated 1	44
aryl-hydrocarbon receptor repressor	1049
Rho guanine nucleotide exchange factor (GEF) 5	200
TBC1 domain family, member 19	77
PRKC, apoptosis, WT1, regulator	1872
RAP1A, member of RAS oncogene family	382
solute carrier family 22, member 23	353

MRE11 meiotic recombination 11 homolog A (S. c	199
telomerase-associated protein 1	39
TAF9B RNA polymerase II, TATA box binding prot	19
dynein, axonemal, light intermediate chain 1	56
teashirt zinc finger homeobox 2	351
pleckstrin homology domain containing, family	144
NK3 homeobox 2	36
phosphatidylinositol 3-kinase, catalytic subun	286
SET domain containing 5	48
origin recognition complex, subunit 4	1180
BCL2/adenovirus E1B 19kDa interacting protein	1255
isoprenoid synthase domain containing	12
C2 calcium-dependent domain containing 4C	70
phosphodiesterase 8A	183
oligodendrocytic myelin paranodal and inner lo	5
zinc finger protein 701	15
ring finger and SPRY domain containing 1	735
frizzled family receptor 1	391
sparc/osteonectin, cwcv and kazal-like domains	31
ArfGAP with coiled-coil, ankyrin repeat and PH	253
Werner syndrome, RecQ helicase-like	560
ClpB caseinolytic peptidase B homolog (E. coli	476
SWI/SNF related, matrix associated, actin depe	298
1-acylglycerol-3-phosphate 0-acyltransferase 4	142
zinc finger protein 626	24
malate dehydrogenase 1B, NAD (soluble)	20
musashi RNA-binding protein 2	283
arylsulfatase family, member I	19
enhancer of yellow 2 homolog (Drosophila)	1814
solute carrier family 20 (phosphate transporte	205
F-box and leucine-rich repeat protein 19	75
putative homeodomain transcription factor 2	1730
katanin p60 subunit A-like 1	335
ankyrin repeat domain 33B	9
Ras-related GTP binding D	644
arginine-glutamic acid dipeptide (RE) repeats	199
WW and C2 domain containing 1	43
tubulin tyrosine ligase	442
anterior gradient 2	13
Nedd4 family interacting protein 2	1747
mitochondrial poly(A) polymerase	137
family with sequence similarity 110, member A	73
heparan sulfate (glucosamine) 3-O-sulfotransfe	9
huntingtin interacting protein 1	37
AT rich interactive domain 5B (MRF1-like)	397
basal cell adhesion molecule (Lutheran blood g	4647
KIAA0232	119
solute carrier family 35 (UDP-GlcA/UDP-GalNAc	186
plexin C1	47
collagen, type V, alpha 3	5
kelch repeat and BTB (POZ) domain containing 1	5
glutamate receptor, ionotropic, N-methyl-D-asp	5
SLIT and NTRK-like family, member 4	86
Rho family GTPase 2	26

	141
CXADR-like membrane protein	212
zwilch kinetochore protein	43
solute carrier family 25 (mitochondrial oxoadi	110
sema domain, immunoglobulin domain (Ig), short	54
HECT, C2 and WW domain containing E3 ubiquitin	11
STEAP family member 3, metalloreductase	160
leucyl/cystinyl aminopeptidase	28
amion associated transmembrane protein	71
TATA box binding protein (TBP)-associated fact	73
zinc finger protein 155	13
PR domain containing 16	64
RAD51 paralog D	73
MARVEL domain containing 2	227
widely interspaced zinc finger motifs	1321
one cut homeobox 1	10
arrestin, beta 1	598
zinc finger protein 592	1128
RAD1 homolog (S. pombe)	584
transcription factor Dp-2 (E2F dimerization pa	128
myosin IE	198
mitochondrial ribosomal protein L4	3854
kringle containing transmembrane protein 1	606
kelch-like family member 29	414
sodium channel, voltage-gated, type IV, alpha	5
hyaluronan synthase 3	15
G protein-coupled receptor 116	5
gap junction protein, delta 3, 31.9kDa	0
ubiquitin specific peptidase 2	19
La ribonucleoprotein domain family, member 1	4979
transmembrane protein 181	924
poly(A)-specific ribonuclease	5
nuclear receptor binding protein 2	1011
unc-45 homolog B (C. elegans)	5
chromodomain helicase DNA binding protein 2	1237
proprotein convertase subtilisin/kexin type 2	9
zinc finger protein 646	5
microtubule-associated protein 4	3914
storkhead box 2	379
Rho-associated, coiled-coil containing protein	7
zinc finger and BTB domain containing 4	1039
zinc finger, DBF-type containing 2	102
chromodomain helicase DNA binding protein 6	85
tripartite motif containing 33	201
AHNAK nucleoprotein	682
fem-1 homolog a (C. elegans)	57
protein phosphatase 1, regulatory subunit 16B	16
scratch homolog 1, zinc finger protein (Drosop	5
like-glycosyltransferase	411
collagen, type VIII, alpha 2	15
platelet-activating factor receptor	5
mannosyl (alpha-1,6-)-glycoprotein beta-1,6-N-	1627
protein phosphatase 2, regulatory subunit B',	13
membrane-associated ring finger (C3HC4) 9	328

dedicator of cytokinesis 5	504
ribosomal protein S6 kinase, 90kDa, polypeptid	1043
transmembrane protein 237	2209
protein serine kinase H1	699
zinc finger, matrin-type 3	459
synapse associated protein 1	2689
pantothenate kinase 3	522
hemochromatosis	563
microtubule associated serine/threonine kinase	317
required for meiotic nuclear division 5 homolo	959
regulating synaptic membrane exocytosis 3	24
ATPase, H ⁺ transporting, lysosomal 31kDa, V1 s	2139
solute carrier family 16 (aromatic amino acid	233
RAB interacting factor	948
natural killer cell cytotoxicity receptor 3 li	214
mitochondrial ribosomal protein S16	3942
transcription factor CP2-like 1	36
peptidyl-tRNA hydrolase domain containing 1	1255
son of sevenless homolog 1 (Drosophila)	189
ADP-ribosylation factor-like 10	236
mitochondrial ribosome recycling factor	85
GRAM domain containing 2	5
N-acetyltransferase 9 (GCN5-related, putative)	36
COP9 signalosome subunit 7B	331
ataxin 2	7
cyclin-dependent kinase 16	2095
prion protein	1136
lysine-rich nucleolar protein 1	157
basic helix-loop-helix family, member a15	136
GDP-mannose pyrophosphorylase B	425
dynein, cytoplasmic 1, light intermediate chai	2144
TNF receptor-associated factor 6, E3 ubiquitin	91
kinesin family member 6	12
RAB11 family interacting protein 4 (class II)	169
acyl-CoA binding domain containing 5	77
early B-cell factor 1	42
cyclin D2	66
cell division cycle associated 2	215
N-myristoyltransferase 2	318
3-phosphoinositide dependent protein kinase-1	104
leukemia inhibitory factor receptor alpha	44
BTB and CNC homology 1, basic leucine zipper t	74
nucleolar protein 10	106
RAB3A interacting protein	73
autophagy related 2B	146
leucine rich repeat containing 8 family, membe	326
adenylate cyclase 2 (brain)	13
pregnancy-associated plasma protein A, pappaly	350
cullin 2	27
cyclin E2	76
tripartite motif containing 13	139
growth differentiation factor 11	847
DnaJ (Hsp40) homolog, subfamily C, member 18	253
sodium channel, voltage-gated, type II, beta s	5

SID1 transmembrane family, member 2	341
homeobox C8	5
SPOC domain containing 1	755
leucine-rich repeats and immunoglobulin-like d	348
ST6 (alpha-N-acetyl-neuraminyl-2,3-beta-galact	41
cytosolic thiouridylase subunit 1	170
potassium channel, subfamily K, member 3	19
centromere protein I	379
tRNA-gammaW synthesizing protein 3 homolog (S. cer	140
tetratricopeptide repeat domain 39C	494
programmed cell death 11	1551
mitogen-activated protein kinase kinase kinase	1551
pituitary tumor-transforming 1 interacting pro	1170
small nuclear ribonucleoprotein D3 polypeptide	3251
solute carrier family 10 (sodium/bile acid cot	7
Uncharacterized protein	24
cytoplasmic linker associated protein 1	210
zinc finger protein 333	72
hydroxysteroid (17-beta) dehydrogenase 12	1422
guanine monphosphate synthase	867
inositol 1,4,5-trisphosphate receptor, type 2	334
ubiquitin specific peptidase 36	192
decapping mRNA 2	155
eukaryotic translation initiation factor 2-alpha	1726
TBC1 domain family, member 16	556
helicase, lymphoid-specific	329
integrin, alpha 1	400
methyl CpG binding protein 2 (Rett syndrome)	1474
calcium/calmodulin-dependent protein kinase II	5
visual system homeobox 2	5
RNA binding protein, fox-1 homolog (C. elegans	262
E2F transcription factor 4, p107/p130-binding	1433
von Willebrand factor D and EGF domains	9
TXK tyrosine kinase	7
ring finger protein 152	57
stomatin (EPB72)-like 1	18
vacuolar protein sorting 39 homolog (S. cerevi	165
folliculin-like 4	60
arylsulfatase family, member K	298
leukocyte receptor cluster (LRC) member 1	14
transforming growth factor, beta receptor 1	249
ZFP82 zinc finger protein	42
zinc finger protein 566	310
laminin, gamma 1 (formerly LAMB2)	1082
solute carrier family 7 (amino acid transporte	1044
sprouty-related, EVH1 domain containing 3	42
ganglioside induced differentiation associated	28
cat eye syndrome chromosome region, candidate	46
interferon, lambda receptor 1	15
phosphodiesterase 7A	84
myosin IA	106
sortilin 1	2111
dynein, axonemal, heavy chain 10	11
protein arginine methyltransferase 10 (putativ	71

Rho GTPase activating protein 31	32
methylenetetrahydrofolate reductase (NAD(P)H)	207
ubiquitin specific peptidase 46	180
general transcription factor IIIC, polypeptide	1598
cell cycle progression 1	808
succinate dehydrogenase complex, subunit C, in	172
DnaJ (Hsp40) homolog, subfamily C, member 11	361
regulator of G-protein signaling 11	5
7-dehydrocholesterol reductase	3418
HCG1980662; Uncharacterized protein	60
nuclear factor of kappa light polypeptide gene	316
thioesterase superfamily member 4	262
pleckstrin homology domain containing, family	661
beta-site APP-cleaving enzyme 1	486
zinc finger, DHHC-type containing 14	253
chitobiase, di-N-acetyl-	33
Rho GTPase activating protein 23	289
B-cell CLL/lymphoma 2	55
platelet-activating factor acetylhydrolase 1b,	1570
zinc finger protein 597	159
epsin 2	1609
solute carrier family 6 (neurotransmitter tran	73
pyruvate dehydrogenase kinase, isozyme 1	637
kelch-like family member 11	16
aquarius intron-binding spliceosomal factor	314
protein tyrosine phosphatase, receptor type, f	167
hexosaminidase A (alpha polypeptide)	209
ribosomal RNA processing 8, methyltransferase,	423
X-ray radiation resistance associated 1	136
lysophospholipase II	21
chromosome 5 open reading frame 63	42
alanyl-tRNA synthetase 2, mitochondrial	262
chromosome 2 open reading frame 69	82
carbohydrate (N-acetylglucosamine 6-O) sulfotr	37
golgi SNAP receptor complex member 1	668
single-minded homolog 2 (Drosophila)	108
NIP7, nucleolar pre-rRNA processing protein	659
family with sequence similarity 46, member C	74
ankyrin repeat and EF-hand domain containing 1	25
ribosome production factor 2 homolog (S. cerev	869
spindle and kinetochore associated complex sub	199
chromosome 21 open reading frame 59	288
RAB3C, member RAS oncogene family	242
pseudopodium-enriched atypical kinase 1	209
methyltransferase like 16	8
sterol regulatory element binding transcriptio	1518
neuroigin 1	36
myocyte enhancer factor 2D	759
carbohydrate (keratan sulfate Gal-6) sulfotran	5
sideroflexin 2	547
cell division cycle 73	579
coiled-coil serine-rich protein 2	123
spleen tyrosine kinase	25
lymphatic vessel endothelial hyaluronan recept	5

Transmembrane 9 superfamily member 1	555
GDNF family receptor alpha 2	13
OTU domain, ubiquitin aldehyde binding 1	2977
transmembrane emp24 protein transport domain c	612
bromodomain PHD finger transcription factor	7
DEAD (Asp-Glu-Ala-Asp) box polypeptide 31	174
ribosomal protein S28	375
proteasome (prosome, macropain) inhibitor subu	2709
xylulokinase homolog (H. influenzae)	119
NIMA-related kinase 9	733
SH3 and PX domains 2B	123
sorting nexin 9	210
regulation of nuclear pre-mRNA domain containi	333
transmembrane protein 186	287
KIAA1598	94
AF4/FMR2 family, member 1	28
ceramide synthase 4	1182
myoneurin	289
adaptor-related protein complex 1, gamma 1 sub	436
excision repair cross-complementing rodent rep	118
poly (ADP-ribose) polymerase 1	1264
transforming, acidic coiled-coil containing pr	186
zinc finger protein 614	55
zinc finger protein 519	40
RALY heterogeneous nuclear ribonucleoprotein	1489
family with sequence similarity 26, member E	32
thyroid hormone receptor, beta	55
helicase with zinc finger 2, transcriptional c	692
cold shock domain containing C2, RNA binding	31
phospholipase A2-activating protein	416
RIC8 guanine nucleotide exchange factor B	49
small nuclear RNA activating complex, polypept	211
glycoprotein 2 (zymogen granule membrane)	29
neural precursor cell expressed, developmental	617
centrosomal protein 85kDa-like	14
mitochondrial amidoxime reducing component 1	1613
ankyrin repeat and SOCS box containing 16	14
differentially expressed in FDCP 6 homolog (mo	35
SET domain containing 9	45
sodium/myo-inositol cotransporter	24
diacylglycerol kinase, epsilon 64kDa	470
IQ motif and Sec7 domain 1	415
La ribonucleoprotein domain family, member 4B	705
microtubule-associated protein 2	68
ORM1-like 3 (S. cerevisiae)	82
LanC lantibiotic synthetase component C-like 3	15
limb development membrane protein 1	1435
lysophosphatidic acid receptor 3	35
cyclin-dependent kinase 9	197
IQ motif and Sec7 domain 2	5
uridine-cytidine kinase 2	437
polymerase (RNA) III (DNA directed) polypeptid	490
endo-beta-N-acetylglucosaminidase	33
CUB and Sushi multiple domains 3	5

MLX interacting protein-like	58
sodium channel, voltage-gated, type VII, alpha	5
pleckstrin homology domain containing, family	279
zinc finger protein 445	370
Tax1 (human T-cell leukemia virus type I) bind	4402
aryl hydrocarbon receptor	25
bladder cancer associated protein	38
ubiquitin-conjugating enzyme E2Q family-like 1	10
pleckstrin homology domain containing, family	11
family with sequence similarity 49, member B	52
armadillo repeat containing, X-linked 3	353
protein kinase (cAMP-dependent, catalytic) inh	542
sema domain, immunoglobulin domain (Ig), short	162
zinc finger protein 347	33
neuronal growth regulator 1	28
dynein, axonemal, light chain 1	81
protein phosphatase 2, regulatory subunit A, b	341
Sp1 transcription factor	402
zinc finger with KRAB and SCAN domains 3	63
leucine zipper-EF-hand containing transmembran	198
chromosome 6 open reading frame 223	17
ST3 beta-galactoside alpha-2,3-sialyltransfera	102
syntaxin 11	13
potassium inwardly-rectifying channel, subfami	9
leucine-rich repeats and transmembrane domains	5
mannosyl (alpha-1,6-)-glycoprotein beta-1,6-N-	85
phosphatidylinositol-4,5-bisphosphate 3-kinase	5
large 60S subunit nuclear export GTPase 1	47
ADAM metallopeptidase domain 23	113
thioredoxin domain containing 5 (endoplasmic r	1190
RNA binding motif, single stranded interacting	451
KIAA0895-like	15
G patch domain containing 2	108
DDHD domain containing 1	103
Rho GTPase activating protein 42	36
ISL LIM homeobox 2	381
kinesin-associated protein 3	42
ankyrin repeat domain 34C	5
heparanase 2	12
glucosidase, beta, acid	27
calcium/calmodulin-dependent protein kinase ID	258
sex comb on midleg-like 4 (Drosophila)	10
cAMP responsive element binding protein 3-like	2872
arginine vasopressin-induced 1	4404
mitochondrial ribosomal protein S5	71
notch 2 N-terminal like	5
SH3 domain and tetratricopeptide repeats 2	31
v-yes-1 Yamaguchi sarcoma viral related oncoge	61
DEAD (Asp-Glu-Ala-Asp) box polypeptide 19A	148
solute carrier family 10 (sodium/bile acid cot	5
filaggrin family member 2	5
BRCA1 associated protein-1 (ubiquitin carboxy-	445
polyhomeotic homolog 2 (Drosophila)	11
zinc finger protein 416	17

selenocysteine lyase	232
kin of IRRE like 3 (Drosophila)	16
ADAM metallopeptidase with thrombospondin type kelch-like family member 34	5
neuralized homolog 1B (Drosophila)	5
zinc finger, DHHC-type containing 5	1505
zinc finger RNA binding protein 2	5
cadherin, EGF LAG seven-pass G-type receptor 2	2475
phosphatidylinositol-4-phosphate 5-kinase, typ	13
ADAM metallopeptidase domain 8	9
LIM homeobox transcription factor 1, alpha	5
stathmin-like 3	17
SNF related kinase	153
family with sequence similarity 53, member B	27
frizzled family receptor 4	5
potassium voltage-gated channel, KQT-like subf	196
cholinergic receptor, nicotinic, beta 2 (neuro	16
neuroblastoma breakpoint family, member 20	5
solute carrier family 29 (equilibrative nucleo	678
chordin-like 1	5
guanine deaminase	5
RAB11 family interacting protein 1 (class I)	106
chromosome 15 open reading frame 62	8
low density lipoprotein receptor-related prote	939
WAS protein family, member 3	24
chromosome 1 open reading frame 172	190
zinc finger protein 664	736
immunoglobulin superfamily, DCC subclass, memb	464
chromosome 4 open reading frame 50	5
leucine zipper, down-regulated in cancer 1-lik	348
protein phosphatase 1, catalytic subunit, gamm	3739
acyl-CoA binding domain containing 4	10
solute carrier family 2 (facilitated glucose t	233
UDP-N-acetyl-alpha-D-galactosamine:polypeptide	2834
Nik related kinase	5
zinc finger protein 37A	11
bone morphogenetic protein/retinoic acid induc	5
flavin containing monooxygenase 2 (non-functio	5
myosin, heavy chain 11, smooth muscle	5
tumor necrosis factor, alpha-induced protein 2	442
deltex homolog 4 (Drosophila)	5
solute carrier family 39 (zinc transporter), m	1510
teneurin transmembrane protein 3	30
ankyrin and armadillo repeat containing	5
v-akt murine thymoma viral oncogene homolog 2	525
transmembrane protease, serine 4	5
fer (fps/fes related) tyrosine kinase	665
pyrroline-5-carboxylate reductase 1	157
anaphase promoting complex subunit 16	986
delta-like 4 (Drosophila)	605
kinesin family member 16B	113
synaptopodin	311
myelin transcription factor 1-like	5
SET domain containing 1B	703

promyelocytic leukemia	83
laminin, alpha 4	605
secreted frizzled-related protein 1	148
cystatin C	11
ATPase, Ca ⁺⁺ transporting, ubiquitous	40
WD and tetratricopeptide repeats 1	137
coiled-coil domain containing 64	7
diaphanous-related formin 1	399
cholinergic receptor, nicotinic, alpha 7 (neur	5
immunoglobulin mu binding protein 2	34
kelch-like family member 24	143
FERM, RhoGEF and pleckstrin domain protein 2	19
Rho GTPase activating protein 6	12
paralemmin	341
calcium channel, voltage-dependent, R type, al	5
nucleoporin 188kDa	3481
EPH receptor A8	5
THUMP domain containing 1	39
kinesin family member 1B	234
MAP/microtubule affinity-regulating kinase 2	845
mannose receptor, C type 2	74
zinc finger protein 787	191
heterogeneous nuclear ribonucleoprotein U-like	11882
Sp6 transcription factor	5
TLC domain containing 2	107
engulfment and cell motility 1	118
zinc finger protein 585A	77
solute carrier family 38, member 7	635
dystrophin related protein 2	5
potassium voltage-gated channel, Shaw-related	138
upstream binding transcription factor, RNA pol	1090
glycerol-3-phosphate dehydrogenase 1 (soluble)	5
KIAA1239	5
KIAA0513	5
calcium channel, voltage-dependent, T type, al	5
lipin 1	357
polyamine modulated factor 1 binding protein 1	5
G protein-coupled receptor 179	5
nitric oxide synthase 1 (neuronal) adaptor pro	5
Sad1 and UNC84 domain containing 2	501
FLT3-interacting zinc finger 1	136
zinc finger protein 707	106
cerebellar degeneration-related protein 2-like	28
guanine nucleotide binding protein (G protein)	1513
GATA binding protein 5	7
CUGBP, Elav-like family member 5	5
cat eye syndrome chromosome region, candidate	46
cut-like homeobox 2	15
potassium inwardly-rectifying channel, subfami	12
tenascin N	17
ferric-chelate reductase 1-like	11
synapsin I	17
calcium binding protein 7	12
filamin B, beta	467

IQ motif and Sec7 domain 3	5
CREB regulated transcription coactivator 3	612
hypermethylated in cancer 1	76
SH3 domain containing ring finger 2	53
potassium voltage-gated channel, KQT-like subf	46
kinase insert domain receptor (a type III rece	5
chemokine-like receptor 1	5
guanylyl cyclase domain containing 1	2990
interleukin 21 receptor	5
zinc finger protein 319	521
FH2 domain containing 1	53
tudor domain containing 10	14
oral cancer overexpressed 1	78
alkaline phosphatase, liver/bone/kidney	251
G protein-coupled receptor 63	5
matrix metalloproteinase 11 (stromelysin 3)	1719
spinster homolog 2 (Drosophila)	7
shadow of prion protein homolog (zebrafish)	5
taxilin beta	5
zinc finger protein 829	103
zinc finger protein 132	31
XK, Kell blood group complex subunit-related f	5
mahogunin ring finger 1, E3 ubiquitin protein	2337
forkhead box I2	5
phosphate cytidyltransferase 2, ethanolamine	2340
ArfGAP with RhoGAP domain, ankyrin repeat and	253
glycogen synthase 1 (muscle)	100
protocadherin 7	95
N-sulfoglucosamine sulfohydrolase	109
ST6 (alpha-N-acetylneuraminyl-2,3-beta-galact	178
chromosome 9 open reading frame 9	44
SH3-domain binding protein 4	783
UBA-like domain containing 1	41
chromosome 15 open reading frame 53	5
leucine rich repeat containing 15	12
UDP-Gal:betaGlcNAc beta 1,4- galactosyltransfe	1000
autophagy related 16-like 2 (S. cerevisiae)	16
v-crk avian sarcoma virus CT10 oncogene homolo	2142
schlafen family member 11	402
ral guanine nucleotide dissociation stimulator	188
FAT atypical cadherin 3	30
solute carrier family 8 (sodium/calcium exchan	5
ADAM metalloproteinase domain 33	5
dihydrolipoamide S-succinyltransferase (E2 com	64
syntaphilin	13
bromodomain containing 4	849
activin A receptor, type IB	3319
zinc finger protein 512B	8
kelch-like family member 30	5
RGP1 retrograde golgi transport homolog (S. ce	203
kinesin family member 18B	172
IQ motif containing GTPase activating protein	7
ADAM metalloproteinase domain 19	981
DnaJ (Hsp40) homolog, subfamily B, member 2	2187

oxoglutarate (alpha-ketoglutarate) dehydrogenase	672
potassium voltage-gated channel, shaker-related	67
low density lipoprotein receptor-related protein	152
POU class 3 homeobox 1	9
NADH dehydrogenase (ubiquinone) 1 alpha subcomplex	32826
adenylate cyclase activating polypeptide 1 (pituitary)	9
FAD-dependent oxidoreductase domain containing	200
nuclear pore associated protein 1	5
MAP-kinase activating death domain	282
regulating synaptic membrane exocytosis 4	30
hornerin	5
cut-like homeobox 1	1205
tetraspanin 11	27
calcium channel, voltage-dependent, L type, alpha 1	5
tectonin beta-propeller repeat containing 2	109
Clq and tumor necrosis factor related protein	74
neuron navigator 3	277
EPH receptor A10	11
solute carrier family 30, member 10	66
ankyrin repeat and sterile alpha motif domain	21
ecotropic viral integration site 5-like	15
leucine-rich repeats and calponin homology (CH1)	399
kinesin family member 3B	182
KIAA1024	5
transmembrane protein 198	80
death effector domain containing 2	32
chromosome 5 open reading frame 20	5
methionine adenosyltransferase I, alpha	19
zinc finger protein 81	10
RAB36, member RAS oncogene family	7
N-deacetylase/N-sulfotransferase (heparan glucosaminase)	13660
transcription factor 7 (T-cell specific, HMG-box)	883
transglutaminase 2	731
N(alpha)-acetyltransferase 38, NatC auxiliary	458
E1A binding protein p400	1798
ATPase, class VI, type 11C	590
neuropilin 1	586
cleavage and polyadenylation specific factor 7	1283
Phosphatidylinositol 4-kinase type 2-alpha; Unk	1489
aarF domain containing kinase 3	1106
AVL9 homolog (S. cerevisiae)	246
suppressor of Ty 16 homolog (S. cerevisiae)	528
mitochondrial calcium uniporter regulator 1	129
limb bud and heart development	1956
vitamin D (1,25-dihydroxyvitamin D3) receptor	416
PHD finger protein 12	307
NSFL1 (p97) cofactor (p47)	397
zinc finger and BTB domain containing 34	726
cyclin-dependent kinase 18	262
N-myc downstream regulated 1	2195
synaptotagmin-like 4	84
GLI family zinc finger 2	73
carboxypeptidase D	1766
transient receptor potential cation channel, subfamily	68

microtubule associated monooxygenase, calponin	58
leukocyte immunoglobulin-like receptor, subfam	5
transmembrane protein 251	14
phosphoribosylformylglycinamide synthase	901
adaptor-related protein complex 1, mu 1 subuni	416
glycerol-3-phosphate acyltransferase, mitochon	153
pleckstrin homology domain interacting protein	668
neural precursor cell expressed, developmental	289
polyhomeotic homolog 3 (Drosophila)	366
contactin 3 (plasmacytoma associated)	27
zinc finger, CCHC domain containing 14	64
metastasis associated 1 family, member 3	194
clathrin interactor 1	581
cysteinyl leukotriene receptor 2	5
UPF1 regulator of nonsense transcripts homolog	513
solute carrier family 7 (cationic amino acid t	338
tetratricopeptide repeat domain 28	227
family with sequence similarity 177, member A1	765
1-acylglycerol-3-phosphate O-acyltransferase 3	2443
damage-specific DNA binding protein 1, 127kDa	22506
kinesin family member 1C	149
collagen, type I, alpha 1	73360
zinc finger protein 469	139
CUB and Sushi multiple domains 2	5
solute carrier family 16 (monocarboxylate tran	73
ligand dependent nuclear receptor corepressor	94
EPH receptor A6	19
BCL2-associated athanogene 2	2237
EPM2A (laforin) interacting protein 1	218
transmembrane protein 139	17
transient receptor potential cation channel, s	13
citron (rho-interacting, serine/threonine kina	134
collagen, type IV, alpha 6	37
adrenergic, beta, receptor kinase 2	215
KIN, antigenic determinant of recA protein hom	443
translocase of inner mitochondrial membrane 8	147
growth differentiation factor 7	27
chromosome 14 open reading frame 37	25
PQ loop repeat containing 1	1060
peptidylprolyl isomerase (cyclophilin)-like 6	58
mucolipin 3	47
T-cell, immune regulator 1, ATPase, H ⁺ transpo	2756
mitochondrial ribosomal protein S25	630
thrombospondin 2	372
fibrillin 2	167
bifunctional apoptosis regulator	376
solute carrier family 23 (ascorbic acid transp	121
selenoprotein N, 1	104
protein arginine methyltransferase 3	120
myotubularin related protein 7	33
tRNA methyltransferase 2 homolog B (S. cerevis	174
glycerate kinase	3833
F-box and leucine-rich repeat protein 18	92
mannosidase, alpha, class 2A, member 2	340

transmembrane and tetratricopeptide repeat con	379
fms-related tyrosine kinase 3	15
zinc finger protein 573	12
latrophilin 1	49
solute carrier family 30 (zinc transporter), m	204
peroxisomal biogenesis factor 19	1804
poly(A) polymerase gamma	49
ladinin 1	89
lemur tyrosine kinase 2	51
family with sequence similarity 211, member A	23
suppressor of cytokine signaling 4	336
solute carrier organic anion transporter famil	133
NADPH dependent diflavin oxidoreductase 1	1044
transport and golgi organization 6 homolog (Dr	143
nucleolar protein with MIF4G domain 1	842
chromosome 20 open reading frame 112	148
tumor protein p73	831
IBA57, iron-sulfur cluster assembly homolog (S	66
gamma-aminobutyric acid (GABA) A receptor, the	14
kazrin, periplakin interacting protein	34
aminopeptidase puromycin sensitive	2194
zinc finger protein 708	16
transmembrane protein 184B	1362
discoidin, CUB and LCCL domain containing 2	798
Rab interacting lysosomal protein-like 1	155
cytochrome c oxidase subunit VIIa polypeptide	289
SUMO/sentrin specific peptidase family member	80
EF-hand calcium binding domain 2	204
Rho GTPase activating protein 26	131
frizzled family receptor 5	122
solute carrier family 35, member F6	272
forkhead box D3	7
ethanolaminophosphotransferase 1 (CDP-ethanola	449
farnesyltransferase, CAAX box, beta	13
diphosphoinositol pentakisphosphate kinase 2	203
ubiquitin specific peptidase 49	44
SH3 and PX domains 2A	152
suppressor of Ty 3 homolog (S. cerevisiae)	175
spla/ryanodine receptor domain and SOCS box co	419
leukotriene B4 receptor	70
G protein-coupled receptor 107	1429
sperm autoantigenic protein 17	189
myotubularin related protein 12	156
gamma-aminobutyric acid (GABA) A receptor, bet	267
protocadherin 1	30
tumor necrosis factor, alpha-induced protein 8	603
related RAS viral (r-ras) oncogene homolog 2	57
coiled-coil domain containing 85C	86
chromosome 8 open reading frame 59	164
extracellular leucine-rich repeat and fibronec	22
hemopexin	307
RAB4A, member RAS oncogene family	850
myosin IXA	137
cystathionase (cystathionine gamma-lyase)	430

nucleolar protein 9	194
transcription elongation factor A (SII), 3	128
spectrin, beta, non-erythrocytic 2	910
amyloid beta (A4) precursor protein-binding, f	704
actin binding LIM protein family, member 3	9
solute carrier family 35, member E1	4273
protein tyrosine phosphatase, non-receptor typ	438
large tumor suppressor kinase 1	176
primase, DNA, polypeptide 1 (49kDa)	178
syntaxin 4	53
Ral GTPase activating protein, alpha subunit 2	24
lanosterol synthase (2,3-oxidosqualene-lanoste	564
NEDD4 binding protein 3	35
golgi-associated, gamma adaptin ear containing	14
BCL2-like 13 (apoptosis facilitator)	741
zinc finger, MYND-type containing 8	235
membrane-associated ring finger (C3HC4) 4, E3	68
GATA binding protein 6	691
aldehyde dehydrogenase 1 family, member L2	22
chromosome 4 open reading frame 19	51
eukaryotic translation initiation factor 2, su	3360
endogenous retrovirus group MER34, member 1	28
alpha-kinase 1	47
low density lipoprotein receptor class A domai	314
serpin peptidase inhibitor, clade E (nexin, pl	1508
nucleotide-binding oligomerization domain cont	31
chromosome 16 open reading frame 52	102
zinc finger protein 841	21
chromosome 2 open reading frame 82	72
methionyl aminopeptidase 1	887
zinc finger protein 589	20
active BCR-related	58
solute carrier family 33 (acetyl-CoA transport	145
TNF receptor-associated factor 5	250
nuclear receptor subfamily 1, group H, member	99
adenylate cyclase 9	166
spermatid maturation 1	7
prune homolog 2 (Drosophila)	121
F-box protein 11	359
WD repeat domain 7	365
cleavage and polyadenylation specific factor 6	5819
chemokine (C-C motif) receptor 6	35
fibronectin leucine rich transmembrane protein	73
SH3-domain binding protein 2	449
guanine nucleotide binding protein (G protein)	47
YOD1 deubiquitinase	55
phospholipase A2, group XVI	2547
protein phosphatase 1, regulatory subunit 3G	29
adenylate kinase 2	3125
tripartite motif containing 38	62
family with sequence similarity 19 (chemokine	14
cyclin-dependent kinase 13	32
ADAM metallopeptidase with thrombospondin type	466
sortilin-related receptor, L (DLR class) A repe	40

Zic family member 1	26
chromosome 1 open reading frame 50	1217
myosin XVIII A	159
junctional adhesion molecule 2	41
ectopic P-granules autophagy protein 5 homolog	269
CNKSR family member 3	567
NHP2 non-histone chromosome protein 2-like 1 (	18476
superoxide dismutase 2, mitochondrial	993
SWIM-type zinc finger 7 associated protein 1	55
polymerase (DNA directed) iota	321
tubulin polymerization promoting protein	7
transmembrane protein 53	234
nuclear transcription factor, X-box binding 1	215
sushi domain containing 2	16
SWI/SNF related, matrix associated, actin depe	727
T-cell lymphoma invasion and metastasis 1	20
empty spiracles homeobox 1	35
N(alpha)-acetyltransferase 11, NatA catalytic	66
Rho guanine nucleotide exchange factor (GEF) 1	346
RNA (guanine-7-) methyltransferase	64
NOP9 nucleolar protein	353
vacuolar protein sorting 13 homolog A (S. cere	110
RAB8A, member RAS oncogene family	226
family with sequence similarity 168, member A	68
fibronectin 1	1064
ubiquitin specific peptidase 13 (isopeptidase	379
myelin expression factor 2	358
UDP-glucose 6-dehydrogenase	735
zinc finger protein 326	162
ankyrin repeat and SOCS box containing 1	408
negative regulator of ubiquitin-like proteins	85
solute carrier family 24 (sodium/potassium/cal	5
dopey family member 1	17
heat shock protein 90kDa beta (Grp94), member	42
versican	542
WD repeat domain 41	313
derlin 3	129
chromosome 9 open reading frame 64	126
solute carrier family 38, member 9	156
solute carrier family 22 (organic cation trans	86
small nuclear ribonucleoprotein polypeptide B	593
RNA binding motif protein, X-linked 2	139
OTU domain containing 7A	35
ATPase, aminophospholipid transporter, class I	22
coiled-coil domain containing 127	615
ubiquitin specific peptidase 30	76
glycosyltransferase-like domain containing 1	241
Hermansky-Pudlak syndrome 3	60
carbonic anhydrase VIII	197
selenium binding protein 1	173
calcium binding and coiled-coil domain 1	68
ALG10, alpha-1,2-glycosyltransferase	13
family with sequence similarity 120B	764
transmembrane channel-like 7	54

mucin 20, cell surface associated	11
insulin-like growth factor binding protein-lik	13
OTU domain, ubiquitin aldehyde binding 2	110
methyltransferase like 8	124
collagen and calcium binding EGF domains 1	54
WD repeat domain 3	1166
shroom family member 1	150
N-ethylmaleimide-sensitive factor attachment p	277
membrane-associated ring finger (C3HC4) 3, E3	77
NADH dehydrogenase (ubiquinone) Fe-S protein 1	1041
eyes absent homolog 4 (Drosophila)	242
signal-regulatory protein alpha	1235
cms1 ribosomal small subunit homolog (yeast)	423
transmembrane channel-like 8	13
tRNA-yW synthesizing protein 5	148
forkhead box L1	367
ADP-ribosylation factor guanine nucleotide-exc	111
non imprinted in Prader-Willi/Angelman syndrom	805
zinc finger protein 248	43
ATP-binding cassette, sub-family G (WHITE), me	20
slingshot protein phosphatase 3	159
X-prolyl aminopeptidase (aminopeptidase P) 3,	112
BCL2/adenovirus E1B 19kDa interacting protein	191
transportin 3	30
ATPase, class VI, type 11B	459
monoglyceride lipase	453
IWS1 homolog (S. cerevisiae)	343
NADH dehydrogenase (ubiquinone) 1 alpha subcom	2249
RE1-silencing transcription factor	31
G protein-coupled receptor, family C, group 5,	341
acid-sensing (proton-gated) ion channel 1	111
phosphatidylinositol glycan anchor biosynthesi	122
zinc finger protein 490	97
polymerase (RNA) I polypeptide A, 194kDa	675
runt-related transcription factor 1	182
mucolipin 2	39
late endosomal/lysosomal adaptor, MAPK and MTO	67
required for meiotic nuclear division 5 homolo	261
ribosomal modification protein rimK-like famil	100
ras homolog family member F (in filopodia)	399
charged multivesicular body protein 3	2466
RALBP1 associated Eps domain containing 2	36
synaptotagmin-like 3	16
solute carrier family 12 (potassium/chloride t	17
translocase of outer mitochondrial membrane 20	674
zyg-11 related, cell cycle regulator	336
TATA box binding protein (TBP)-associated fact	214
chromosome 19 open reading frame 40	129
karyopherin alpha 3 (importin alpha 4)	104
maestro	11
WD repeat and FYVE domain containing 2	85
2,4-dienoyl CoA reductase 1, mitochondrial	131
myristoylated alanine-rich protein kinase C su	188
polymerase (DNA directed), mu	45

latent transforming growth factor beta binding	1616
guanine nucleotide binding protein (G protein)	343
Myb/SANT-like DNA-binding domain containing 3	78
dicer 1, ribonuclease type III	25
enhancer of polycomb homolog 1 (Drosophila)	102
plexin A3	2992
potassium channel tetramerization domain conta	88
solute carrier family 30 (zinc transporter), m	5
TBC1 domain family, member 24	269
Usher syndrome 1G (autosomal recessive)	5
myosin, heavy chain 15	5
RNF103-CHMP3 readthrough	2466
interleukin 17 receptor E-like	5
cell division cycle 14B	2
RAB37, member RAS oncogene family	875
activating transcription factor 3	2704
dystonin	439
schlafen family member 13	11
coiled-coil domain containing 170	15
ADAM metallopeptidase with thrombospondin type	18
contactin 2 (axonal)	5
WEE1 homolog (S. pombe)	331
CUGBP, Elav-like family member 6	5
microtubule-associated protein tau	11
family with sequence similarity 189, member A1	12
septin 8	199
TBC1 domain family, member 10A	184
bromodomain adjacent to zinc finger domain, 1B	40
junctionophilin 2	76
platelet-derived growth factor receptor, beta	320
mitogen-activated protein kinase binding prote	36
matrix metallopeptidase 14 (membrane-inserted)	276
RUN and FYVE domain containing 4	5
zinc finger protein 618	778
beta 1,3-galactosyltransferase-like	200
NMDA receptor synaptonuclear signaling and neu	507
zinc finger protein 324	82
VANGL planar cell polarity protein 1	721
tubulin, gamma complex associated protein 4	129
5'-nucleotidase domain containing 1	127
histone cluster 1, H2ah	22
endonuclease/exonuclease/phosphatase family do	39
Smith-Magenis syndrome chromosome region, cand	219
epithelial membrane protein 2	1725
homeobox D12	6
caspase 10, apoptosis-related cysteine peptida	55
X-ray repair complementing defective repair in	86
TBC1 domain family, member 8B (with GRAM domai	69
transcription termination factor, RNA polymera	837
pygopus homolog 1 (Drosophila)	104
cordon-bleu WH2 repeat protein-like 1	70
acid phosphatase-like 2	72
tankyrase, TRF1-interacting ankyrin-related AD	205
tRNA selenocysteine 1 associated protein 1	763

diacylglycerol kinase, iota	16
collagen, type V, alpha 1	3111
transmembrane protein 167A	1029
epithelial membrane protein 1	814
adenosine deaminase, RNA-specific, B2 (non-fun	9
DENN/MADD domain containing 5B	832
StAR-related lipid transfer (START) domain con	28
MHC class I polypeptide-related sequence A	742
developmentally regulated GTP binding protein	1478
nanos homolog 1 (Drosophila)	158
ubiquinol-cytochrome c reductase, Rieske iron-	59
frizzled-related protein	43
TRAF2 and NCK interacting kinase	106
fatty acid desaturase 1	1170
RAN binding protein 3	908
transmembrane emp24-like trafficking protein 1	1753
KIAA0368	57
CHURC1-FNTB readthrough	13
DnaJ (Hsp40) homolog, subfamily B, member 13	7
exocyst complex component 2	192
adenosine deaminase, RNA-specific, B1	860
solute carrier family 25 (mitochondrial iron t	145
adaptor-related protein complex 4, mu 1 subuni	163
syntaxin 17	510
ER membrane protein complex subunit 3	4423
centromere protein P	85
ST3 beta-galactoside alpha-2,3-sialyltransfera	59
protein phosphatase 5, catalytic subunit	973
solute carrier family 11 (proton-coupled dival	526
mitochondrial ribosomal protein S14	2140
ubiquinol-cytochrome c reductase binding prote	1173
polypyrimidine tract binding protein 2	70
cell division cycle 6	772
polymerase (DNA directed), epsilon, catalytic	238
thymidine kinase 2, mitochondrial	439
major facilitator superfamily domain containin	47
inositol hexakisphosphate kinase 1	406
raftlin family member 2	21
Ephrin-A3; Uncharacterized protein; cDNA FLJ57	9
calcineurin-like phosphoesterase domain contai	511
PET112 homolog (yeast)	1036
coiled-coil domain containing 153	46
bicaudal D homolog 2 (Drosophila)	38
G patch domain containing 4	715
oxysterol binding protein-like 8	141
cytochrome c oxidase assembly factor 5	72
FK506 binding protein 7	645
ATP-binding cassette, sub-family G (WHITE), me	197
inhibitor of growth family, member 2	193
ANKH inorganic pyrophosphate transport regulat	770
chromosome 8 open reading frame 46	6
adenosine deaminase-like	105
lectin, mannose-binding 2-like	355
ubiquitin-conjugating enzyme E2 variant 2	1770

antigen identified by monoclonal antibody Ki-6	468
trafficking protein particle complex 2-like	1619
PAP associated domain containing 5	152
chromosome 22 open reading frame 29	351
phosphatidylinositol transfer protein, cytopla	797
TraB domain containing 2B	244
RAS protein activator like 2	950
mitochondrial ribosomal protein L46	95
Rap guanine nucleotide exchange factor (GEF) 3	19
trophoblast glycoprotein	170
FERM domain containing 4A	192
ubiquitin protein ligase E3 component n-recogn	733
tumor suppressor candidate 2	611
EH-domain containing 1	335
roundabout, axon guidance receptor, homolog 2	22
Rho-associated, coiled-coil containing protein	142
SLIT-ROBO Rho GTPase activating protein 3	38
zinc finger protein 180	195
fibrinogen C domain containing 1	44
ATP/GTP binding protein-like 3	148
karyopherin (importin) beta 1	465
sterol O-acyltransferase 1	654
GLIS family zinc finger 3	47
DEAD (Asp-Glu-Ala-Asp) box polypeptide 52	865
RAN binding protein 2	814
zinc finger protein 695	123
poly (ADP-ribose) glycohydrolase	445
nerve growth factor receptor (TNFRSF16) associ	114
ST3 beta-galactoside alpha-2,3-sialyltransfera	150
ubiquitin-conjugating enzyme E2A	618
pyruvate kinase, liver and RBC	112
anoctamin 7	79
small integral membrane protein 1	309
chromosome 6 open reading frame 211	65
phosphoribosyl pyrophosphate synthetase-associ	2649
pleckstrin homology domain containing, family	97
uridine monophosphate synthetase	374
BUB1 mitotic checkpoint serine/threonine kinas	515
zinc finger protein 827	17
mitochondrial ribosomal protein L30	246
chromosome 2 open reading frame 15	246
DnaJ (Hsp40) homolog, subfamily B, member 5	379
methyl-CpG binding domain protein 5	7
zinc finger, DHHC-type containing 24	304
suppressor of cytokine signaling 7	15
ligand of numb-protein X 1, E3 ubiquitin prote	156
steroid 5 alpha-reductase 3	402
Snf2-related CREBBP activator protein	643
RAB3 GTPase activating protein subunit 2 (non-	461
survival motor neuron domain containing 1	949
slit homolog 1 (Drosophila)	15
AT rich interactive domain 1B (SWI1-like)	220
solute carrier family 44 (choline transporter)	407
WD repeat and SOCS box containing 2	938

propionyl CoA carboxylase, beta polypeptide	379
solute carrier family 30 (zinc transporter), m	396
zinc finger protein 283	194
ESF1, nucleolar pre-rRNA processing protein, h	180
mitochondrial ribosomal protein S30	4883
zinc finger protein 622	145
family with sequence similarity 105, member A	2613
dual-specificity tyrosine-(Y)-phosphorylation	1091
MAD2 mitotic arrest deficient-like 1 (yeast)	3013
chromosome 15 open reading frame 40	133
lysophosphatidic acid receptor 2	45
TRAF-interacting protein with forkhead-associ	400
family with sequence similarity 227, member A	16
ATP-binding cassette, sub-family B (MDR/TAP),	161
splicing factor, suppressor of white-apricot h	134
Ca ⁺⁺ -dependent secretion activator 2	100
THUMP domain containing 2	700
transmembrane 9 superfamily member 3	1030
family with sequence similarity 126, member A	241
guanine nucleotide binding protein (G protein)	92
tsukushi, small leucine rich proteoglycan	293
cleavage stimulation factor, 3' pre-RNA, subun	3550
serine incorporator 1	2408
lipoyl(octanoyl) transferase 2 (putative)	198
galactosylceramidase	94
histone acetyltransferase 1	3017
chromodomain helicase DNA binding protein 1	35
homeobox B13	80
RAB3B, member RAS oncogene family	611
histone deacetylase 5	266
activating signal cointegrator 1 complex subun	159
plakophilin 4	373
UDP-Gal:betaGlcNAc beta 1,3-galactosyltransfer	35
golgi glycoprotein 1	2175
chromosome 11 open reading frame 1	18
UV radiation resistance associated	116
coiled-coil domain containing 93	395
collagen beta(1-0)galactosyltransferase 2	70
serum response factor binding protein 1	102
killer cell lectin-like receptor subfamily G,	18
testis expressed 2	127
tumor necrosis factor receptor superfamily, me	36
beta-transducin repeat containing E3 ubiquitin	96
argonaute RISC catalytic component 3	198
glutamate dehydrogenase 1	287
BRCA1/BRCA2-containing complex, subunit 3	14
activating transcription factor 6	382
tetraspanin 31	72
dual-specificity tyrosine-(Y)-phosphorylation	173
neuropeptide Y receptor Y4	10
zinc finger protein 223	180
TOX high mobility group box family member 3	59
DEAD (Asp-Glu-Ala-Asp) box helicase 6	11
ariadne RBR E3 ubiquitin protein ligase 1	671

CD248 molecule, endosialin	439
STAM binding protein-like 1	675
solute carrier family 27 (fatty acid transport	523
PERP, TP53 apoptosis effector	437
GDNF family receptor alpha 1	69
suppression of tumorigenicity 5	139
quinolinate phosphoribosyltransferase	1165
lipase, endothelial	40
opsin 3	208
leiomodulin 1 (smooth muscle)	148
HHIP-like 1	29
pyridoxamine 5'-phosphate oxidase	583
inositol polyphosphate-4-phosphatase, type I,	387
EF-hand domain (C-terminal) containing 1	61
ubiquitin-conjugating enzyme E2D 3	2312
zinc finger protein 613	131
exonuclease 1	1028
family with sequence similarity 179, member A	21
transmembrane protein with EGF-like and two fo	179
nudix (nucleoside diphosphate linked moiety X)	325
kelch-like family member 4	58
HERPUD family member 2	30
Cdk5 and Abl enzyme substrate 1	341
prohibitin 2	120
general transcription factor IIA, 2, 12kDa	1068
cytochrome c oxidase assembly homolog 15 (yeas	984
5-azacytidine induced 2	530
nuclear factor I/X (CCAAT-binding transcrip	24
heterogeneous nuclear ribonucleoprotein A3	329
PHD finger protein 5A	317
C7orf55-LUC7L2 readthrough	419
cytohesin 2	383
tubulin tyrosine ligase-like family, member 1	125
family with sequence similarity 149, member B1	33
leucine rich repeat containing 27	68
arginine/serine-rich coiled-coil 2	320
ADP-ribosylation factor-like 1	600
zinc finger and BTB domain containing 11	179
annexin A6	10462
cell adhesion molecule 1	676
tRNA methyltransferase 10 homolog C (S. cerevi	655
syndecan 3	34
cholinergic receptor, muscarinic 3	47
N-acetylglutamate synthase	562
EH-domain containing 4	515
CCR4-NOT transcription complex, subunit 6-like	23
zinc finger protein 639	614
syntaxin 3	564
SRY (sex determining region Y)-box 11	1100
potassium channel, subfamily K, member 1	410
NSL1, MIS12 kinetochore complex component	180
cytochrome P450, family 4, subfamily F, polype	1613
zinc finger, FYVE domain containing 9	32
ets variant 1	160

ALG14, UDP-N-acetylglucosaminyltransferase sub	572
pyridoxal (pyridoxine, vitamin B6) kinase	5653
proteasome (prosome, macropain) assembly chape	1452
ribosomal protein L13	46038
sorbin and SH3 domain containing 3	1126
Mitogen-activated protein kinase kinase kinase	734
transmembrane emp24 protein transport domain c	1571
v-ets avian erythroblastosis virus E26 oncogen	3965
tubulin polyglutamylase complex subunit 2	508
adenomatous polyposis coli	794
component of oligomeric golgi complex 6	122
atonal homolog 8 (Drosophila)	21
BMP and activin membrane-bound inhibitor	515
SH3-domain GRB2-like (endophilin) interacting	180
low density lipoprotein receptor-related prote	378
LUC7-like 2 (S. cerevisiae)	419
mediator complex subunit 6	776
RAB24, member RAS oncogene family	908
small nuclear ribonucleoprotein polypeptide G	163
Zinc finger protein 177	36
RAS p21 protein activator (GTPase activating p	1700
protein phosphatase, Mg ²⁺ /Mn ²⁺ dependent, 1H	45
scavenger receptor class B, member 2	5609
polymerase (RNA) I polypeptide E, 53kDa	540
v-ets avian erythroblastosis virus E26 oncogen	184
ribonuclease T2	214
catenin, beta like 1	206
dynactin 6	745
hydroxyacyl-CoA dehydrogenase/3-ketoacyl-CoA t	525
intraflagellar transport 57 homolog (Chlamydom	214
heat shock 70kDa protein 2	600
mutS homolog 5	661
centrosomal protein 72kDa	230
tetraspanin 14	239
CDP-diacylglycerol synthase (phosphatidate cyt	782
0-6-methylguanine-DNA methyltransferase	2473
coiled-coil domain containing 77	8
nucleoside-triphosphatase, cancer-related	2755
RNA binding motif protein 15B	1925
hypermethylated in cancer 2	28
deoxynucleotidyltransferase, terminal, interac	599
RAB6B, member RAS oncogene family	669
SH3-domain GRB2-like endophilin B1	3418
smu-1 suppressor of mec-8 and unc-52 homolog (	325
zinc finger, CCHC domain containing 11	97
torsin A interacting protein 2	569
EH-domain containing 3	206
centromere protein F, 350/400kDa	181
RAB40B, member RAS oncogene family	495
ceroid-lipofuscinosis, neuronal 8 (epilepsy, p	122
ankyrin repeat and sterile alpha motif domain	98
HAUS augmin-like complex, subunit 3	466
spire-type actin nucleation factor 1	103
eukaryotic translation initiation factor 2B, s	789

notchless homolog 1 (<i>Drosophila</i>)	526
vacuolar protein sorting 33 homolog A (<i>S. cere</i>)	282
Rho GTPase activating protein 29	451
peptidase (mitochondrial processing) beta	653
KH and NYN domain containing	421
zinc finger and BTB domain containing 3	96
microtubule associated serine/threonine kinase	1084
translocase of outer mitochondrial membrane 40	14
peroxisome proliferator-activated receptor gamma	861
calpain 2, (m/II) large subunit	1090
chondroitin sulfate synthase 1	200
KIAA0141	1078
calcium/calmodulin-dependent serine protein kinase	892
RAB32, member RAS oncogene family	1894
CCHC-type zinc finger, nucleic acid binding protein	2257
mannosyl (alpha-1,3-)-glycoprotein beta-1,2-N-	831
mitogen-activated protein kinase-activated protein	573
lymphoid enhancer-binding factor 1	104
peptidylprolyl isomerase (cyclophilin)-like 4	1565
abhydrolase domain containing 5	884
protein inhibitor of activated STAT, 2	194
protocadherin beta 2	199
amyloid beta (A4) precursor-like protein 2	5552
tRNA methyltransferase 61 homolog A (<i>S. cerevisi</i>)	296
cartilage associated protein	3154
G protein-coupled receptor kinase 5	337
methyltransferase like 10	919
zinc finger CCCH-type containing 14	395
jumping translocation breakpoint	872
retinoic acid receptor, alpha	560
mesoderm development candidate 2	1433
heat shock factor binding protein 1	3000
eukaryotic translation initiation factor 1B	1106
zinc finger and BTB domain containing 17	136
transmembrane protein 220	143
solute carrier family 2 (facilitated glucose transporter)	136
thyroid hormone receptor interactor 4	143
carbonic anhydrase VB, mitochondrial	245
RNA binding motif protein 18	963
COX20 cytochrome C oxidase assembly factor	693
TIA1 cytotoxic granule-associated RNA binding	1342
SET and MYND domain containing 2	1381
zinc finger protein 749	69
DNA-damage inducible 1 homolog 2 (<i>S. cerevisia</i>)	357
glyoxylate reductase/hydroxypyruvate reductase	572
YTH domain containing 1	307
minichromosome maintenance complex component 1	838
cytochrome b5 reductase 1	545
lectin, mannose-binding, 1	2293
chromosome 4 open reading frame 32	325
metallothionein-like 5, testis-specific (tesmin)	30
zinc finger and BTB domain containing 20	5
kelch-like family member 5	366
forkhead box N3	42

calcium regulated heat stable protein 1, 24kDa	113
chromosome 19 open reading frame 47	94
V-set and transmembrane domain containing 4	59
talin 2	371
FK506 binding protein 4, 59kDa	727
Rho GTPase activating protein 18	176
pannexin 1	576
ubiquitin-conjugating enzyme E2T (putative)	679
hairy/enhancer-of-split related with YRPW motif	70
general transcription factor IIF, polypeptide	1014
centromere protein M	68
myeloid/lymphoid or mixed-lineage leukemia (transmembrane)	385
zinc finger protein 446	44
chromosome 12 open reading frame 52	1319
spermatid perinuclear RNA binding protein	575
PQ loop repeat containing 2	94
tyrosyl-tRNA synthetase 2, mitochondrial	192
ubiquitin D	112
BTB (POZ) domain containing 1	84
zinc finger and SCAN domain containing 2	125
CCR4-NOT transcription complex, subunit 7	415
peptidase (mitochondrial processing) alpha	105
centrosomal protein 63kDa	191
rhomboid, veinlet-like 3 (Drosophila)	100
TRAF3 interacting protein 2	44
mitochondrial ribosomal protein L2	935
exonuclease 3'-5' domain containing 2	3135
methylenetetrahydrofolate dehydrogenase (NADP+ dependent)	4677
ADP-ribosylation factor-like 3	1387
proteasome (prosome, macropain) subunit, beta	156
G protein-coupled receptor 124	72
hypoxia inducible factor 1, alpha subunit (basic)	1955
hyaluronan synthase 2	398
MAGI family member, X-linked	118
zinc finger protein 736	36
T-cell leukemia homeobox 1	47
Opa interacting protein 5	178
thyroid hormone receptor interactor 13	3078
integrin, alpha 11	390
inverted formin, FH2 and WH2 domain containing	484
mesoderm posterior 1 homolog (mouse)	303
translocase of outer mitochondrial membrane 6	2735
signal-induced proliferation-associated 1 like	291
bromodomain containing 3	77
migration and invasion inhibitory protein	782
adenylosuccinate lyase	2319
cytoskeleton-associated protein 4	1923
AT rich interactive domain 2 (ARID, RFX-like)	891
nucleoporin like 2	1714
FAST kinase domains 2	579
prostaglandin-endoperoxide synthase 1 (prostaglandin synthase)	399
aspartyl aminopeptidase	710
ankyrin repeat domain 9	766
very low density lipoprotein receptor	977

integrin, beta 5	3180
HCG1981372, isoform CRA_c; Uncharacterized pro	142
ribonuclease P/MRP 30kDa subunit	494
methionine sulfoxide reductase B1	2102
forkhead box E1 (thyroid transcription factor	497
Rho GTPase activating protein 20	85
phosphoglycerate kinase 1	7680
EBNA1 binding protein 2	930
forkhead box D1	423
shugoshin-like 1 (S. pombe)	766
ubiquitin specific peptidase 9, X-linked	2433
dishevelled segment polarity protein 3	373
msh homeobox 2	316
ring finger protein 214	271
VAMP (vesicle-associated membrane protein)-ass	2926
mediator complex subunit 16	3677
POU class 4 homeobox 1	61
ubiquitin specific peptidase 3	583
thymidylate synthetase	21261
coiled-coil domain containing 59	140
kinetochore-localized astrin/SPAG5 binding pro	1628
isoamyl acetate-hydrolyzing esterase 1 homolog	553
contactin associated protein-like 5	5
cyclin M2	517
acid phosphatase 6, lysophosphatidic	657
myocyte enhancer factor 2C	70
centrin, EF-hand protein, 3	498
p21 protein (Cdc42/Rac)-activated kinase 4	130
solute carrier family 43 (amino acid system L	68
vacuolar protein sorting 18 homolog (S. cerevi	295
WD repeat domain 37	107
Rtf1, Paf1/RNA polymerase II complex component	1869
squamous cell carcinoma antigen recognized by	469
methyltransferase like 22	553
tigger transposable element derived 6	155
BCL2-associated athanogene	8934
carboxymethylenebutenolidase homolog (Pseudomo	2602
phospholipase A2, group X1IA	214
vesicle (multivesicular body) trafficking 1	1424
ADP-ribosylation factor-like 14 effector prote	164
oligonucleotide/oligosaccharide-binding fold c	184
inhibitor of DNA binding 3, dominant negative	1295
signal sequence receptor, alpha	12917
pleckstrin homology domain containing, family	106
ribosomal RNA processing 1	1000
glutathione S-transferase mu 3 (brain)	1071
mannosyl (alpha-1,6-)-glycoprotein beta-1,2-N-	1470
COX assembly mitochondrial protein 1 homolog (	1203
serine/threonine kinase 16	1416
upregulator of cell proliferation	180
ankyrin repeat and LEM domain containing 2	504
fucosyltransferase 10 (alpha (1,3) fucosyltran	124
alpha-methylacyl-CoA racemase	308
presenilin associated, rhomboid-like	1214

mitochondrial ribosome-associated GTPase 2	509
WD repeat domain, phosphoinositide interacting	1038
aldo-keto reductase family 7, member A2 (aflat	1134
polymerase (RNA) II (DNA directed) polypeptide	223
cadherin 11, type 2, OB-cadherin (osteoblast)	448
ATP-binding cassette, sub-family G (WHITE), me	64
uroporphyrinogen III synthase	221
zinc finger, matrin-type 2	1926
N-acetyltransferase 10 (GCN5-related)	132
lon peptidase 2, peroxisomal	1004
HAUS augmin-like complex, subunit 8	827
cholinergic receptor, nicotinic, alpha 5 (neur	903
POU class 6 homeobox 1	135
progesterin and adipoQ receptor family member II	217
peroxisomal biogenesis factor 7	661
synaptosomal-associated protein, 47kDa	7416
hexamethylene bis-acetamide inducible 2	306
transmembrane emp24 protein transport domain c	12499
ubiquitin-conjugating enzyme E2F (putative)	905
melanophilin	85
DNL-type zinc finger	373
glutamate receptor, ionotropic, delta 1	45
NADH dehydrogenase (ubiquinone) flavoprotein 3	1449
G patch domain and KOW motifs	420
gamma-aminobutyric acid (GABA) A receptor, bet	5
kinocilin	5
CSE1 chromosome segregation 1-like (yeast)	96
squamous cell carcinoma antigen recognized by	94
nudix (nucleoside diphosphate linked moiety X)	629
lamin B2	89
guanine nucleotide binding protein (G protein)	10881
chromosome 2 open reading frame 68	565
paired box 6	191
mitogen-activated protein kinase 14	1191
1-acylglycerol-3-phosphate O-acyltransferase 6	474
transmembrane protein 98	98
transcription factor 21	552
calmodulin-like 4	307
thioredoxin reductase 3	272
splicing factor 3b, subunit 3, 130kDa	2541
NCK-associated protein 1	700
dedicator of cytokinesis 7	66
DEAH (Asp-Glu-Ala-His) box polypeptide 34	469
phosphofurin acidic cluster sorting protein 2	234
thioredoxin-like 1	1779
mutS homolog 3	443
fat mass and obesity associated	240
chromosome 3 open reading frame 17	460
transcription elongation factor B (SIII), poly	3007
CD59 molecule, complement regulatory protein	19017
gem (nuclear organelle) associated protein 4	339
AHA1, activator of heat shock 90kDa protein AT	820
mortality factor 4 like 1	1137
inositol(myo)-1(or 4)-monophosphatase 1	309

outer dense fiber of sperm tails 2-like	149
calcium/calmodulin-dependent protein kinase II	6631
serpin peptidase inhibitor, clade A (alpha-1 a	203
diacylglycerol O-acyltransferase 1	3108
crooked neck pre-mRNA splicing factor 1	519
asparaginyl-tRNA synthetase	467
thioredoxin-related transmembrane protein 1	3176
mediator complex subunit 31	1743
dual specificity phosphatase 6	1056
transferrin	2533
F-box protein 33	306
H6 family homeobox 1	171
bioorientation of chromosomes in cell division	1465
G-rich RNA sequence binding factor 1	4414
ATP/GTP binding protein-like 5	354
cAMP responsive element binding protein-like 2	218
solute carrier family 35, member E3	250
GTPase, IMAP family member 6	5
ATPase, Ca ⁺⁺ transporting, plasma membrane 2	170
transmembrane protein 67	219
neuropilin (NRP) and tolloid (TLL)-like 2	723
PAP associated domain containing 4	434
inositol 1,3,4,5,6-pentakisphosphate 2-kinase	211
IQ motif containing GTPase activating protein	588
isoleucyl-tRNA synthetase 2, mitochondrial	2978
brain and reproductive organ-expressed (TNFRSF	880
proline-rich nuclear receptor coactivator 1	413
phosphatidylserine synthase 2	1031
growth hormone secretagogue receptor	5
RFT1 homolog (<i>S. cerevisiae</i>)	392
transformer 2 beta homolog (<i>Drosophila</i>)	1868
enabled homolog (<i>Drosophila</i>)	415
ring finger protein 213	630
tripartite motif containing 11	727
cysteine and histidine-rich domain (CHORD) con	891
polycystic kidney and hepatic disease 1 (autos	5
ATP/GTP binding protein 1	187
RAN binding protein 6	117
heterogeneous nuclear ribonucleoprotein L-like	753
nibrin	342
staufen double-stranded RNA binding protein 2	306
	5
fragile site, folic acid type, rare, fra(10) (q	289
mitochondrial ribosomal protein S23	7140
olfactory receptor, family 7, subfamily A, mem	5
glycogen synthase kinase 3 beta	498
cathepsin V	601
tRNA 5-methylaminomethyl-2-thiouridylate methy	150
YLP motif containing 1	1542
N-acetylglucosamine-1-phosphate transferase, g	677
fucosyltransferase 4 (alpha (1,3) fucosyltrans	354
UDP-glucose glycoprotein glucosyltransferase 2	423
solute carrier family 35, member A5	168
G protein-coupled receptor 137C	110

DIP2 disco-interacting protein 2 homolog A (Dr	298
SMAD family member 6	660
FCH and double SH3 domains 1	364
exostosin glycosyltransferase 1	694
trophinin associated protein	270
dual-specificity tyrosine-(Y)-phosphorylation	448
lectin, galactoside-binding, soluble, 1	50186
integrin-binding sialoprotein	5
glutamate receptor, ionotropic, N-methyl D-asp	5
N-acetylated alpha-linked acidic dipeptidase 2	5
glucose-6-phosphatase, catalytic, 2	5
catenin (cadherin-associated protein), delta 1	743
germ cell associated 1	5
leucine rich repeat containing 6	5
G protein-coupled receptor 34	5
kelch-like family member 36	483
chromosome 9 open reading frame 3	1591
complement component 3	932
E2F transcription factor 1	479
transmembrane protein 233	5
chromosome 6 open reading frame 25	5
peptidylprolyl isomerase D	1544
interleukin 5 receptor, alpha	5
G protein-coupled receptor 137B	389
dual specificity phosphatase 1	37211
TRK-fused gene	2164
guanine nucleotide binding protein (G protein)	210
GRB2-related adaptor protein 2	5
Spi-C transcription factor (Spi-1/PU.1 related	5
ARP3 actin-related protein 3 homolog (yeast)	816
solute carrier family 2 (facilitated glucose t	13928
phosphofructokinase, muscle	7010
phytanoyl-CoA 2-hydroxylase	1932
schlafen family member 12-like	5
aldo-keto reductase family 1, member C4	5
myoglobin	5
Bartter syndrome, infantile, with sensorineura	5
delta-like 1 homolog (Drosophila)	1865
neuropeptide S receptor 1	5
TNFAIP3 interacting protein 3	5
cytochrome P450, family 2, subfamily C, polype	5
proline-rich protein HaeIII subfamily 2	5
PHD finger protein 19	490
ER membrane protein complex subunit 10	1981
RUN domain containing 1	927
cyclin B1	6970
trafficking protein particle complex 8	502
NCK interacting protein with SH3 domain	4158
SEC16 homolog B (S. cerevisiae)	251
C-reactive protein, pentraxin-related	5
ZFP62 zinc finger protein	170
caseinolytic mitochondrial matrix peptidase pr	4038
thyroglobulin	5
purinergic receptor P2Y, G-protein coupled, 10	5

olfactory receptor, family 2, subfamily A, mem	5
RNA terminal phosphate cyclase-like 1	203
dynein, axonemal, heavy chain 9	5
solute carrier family 2 (facilitated glucose t	5
cadherin 19, type 2	5
mannose-binding lectin (protein C) 2, soluble	5
chromosome 18 open reading frame 42	5
CD1c molecule	5
peptidylprolyl isomerase domain and WD repeat	1377
BTAFl RNA polymerase II, B-TFIID transcription	917
mitochondrial ribosomal protein L12	2476
formyl peptide receptor 1	5
RAB18, member RAS oncogene family	1410
serpin peptidase inhibitor, clade A (alpha-1 a	5
alpha- and gamma-adaptin binding protein	2536
3-hydroxyanthranilate 3,4-dioxygenase	7
lipase maturation factor 1	155
wingless-type MMTV integration site family, me	5
goosecoid homeobox 2	5
glycine-N-acyltransferase	5
interleukin 1 receptor accessory protein-like	5
Uncharacterized protein; Zinc finger protein 7	5
proline, glutamate and leucine rich protein 1	266
LSM14A, SCD6 homolog A (<i>S. cerevisiae</i>)	362
leucine rich repeat containing 4C	5
methyltransferase like 24	5
podocan-like 1	9
mannosyl (alpha-1,3-)-glycoprotein beta-1,4-N-	5
ribosomal protein S23	832
adenosine A3 receptor	5
tripartite motif containing 55	5
cyclin Pas1/PH080 domain containing 1	234
proprotein convertase subtilisin/kexin type 9	2345
BCL2-like 15	5
angiopoietin-like 1	5
TSC22 domain family, member 2	1062
ATH1, acid trehalase-like 1 (yeast)	314
zinc finger, MYM-type 4	280
general transcription factor IIIC, polypeptide	981
transforming growth factor, beta-induced, 68kD	6307
four and a half LIM domains 5	5
quinoid dihydropteridine reductase	4326
Sp3 transcription factor	285
THAP domain containing 7	769
gamma-aminobutyric acid (GABA) A receptor, rho	5
aquaporin 6, kidney specific	5
McKusick-Kaufman syndrome	543
Uncharacterized protein	1851
zinc finger protein 699	5
v-erb-b2 avian erythroblastic leukemia viral o	926
potassium voltage-gated channel, subfamily H (	5
protocadherin 11 X-linked	5
Kinesin light chain 1	499
tetraspanin 33	237

mutS homolog 2	1468
staphylococcal nuclease and tudor domain conta	7201
forkhead box K2	450
non-SMC element 1 homolog (<i>S. cerevisiae</i>)	1418
cerebellar degeneration-related protein 1, 34k	5
centromere protein H	1267
tumor protein p53 binding protein, 2	1531
enoyl CoA hydratase domain containing 3	315
G protein-coupled receptor 22	5
platelet factor 4	11
ZFP36 ring finger protein-like 2	317
muscular LMNA-interacting protein	8
epidermal growth factor	5
deoxyribonuclease I-like 3	5
intraflagellar transport 74 homolog (<i>Chlamydom</i>	246
ecotropic viral integration site 2A	5
collectin sub-family member 10 (C-type lectin)	5
MAM domain containing 4	377
family with sequence similarity 181, member B	5
cysteine-rich secretory protein 1	5
histone deacetylase 2	1701
bone morphogenetic protein 10	5
CD63 molecule	7483
ankyrin repeat and KH domain containing 1	247
angiopoietin 4	5
fibronectin type III domain containing 5	5
ankyrin repeat and SOCS box containing 15	5
metallothionein 1F	19
G protein-coupled receptor 78	5
seryl-tRNA synthetase	20549
C-type lectin domain family 17, member A	5
toll-like receptor 4	47
reticulocalbin 2, EF-hand calcium binding doma	4448
autophagy related 2A	3795
fatty acid amide hydrolase	19
cytohesin 1 interacting protein	8
tyrosinase-related protein 1	16
NLR family, pyrin domain containing 9	5
CD180 molecule	5
ets homologous factor	5
dihydrolipoamide dehydrogenase	1623
UDP-N-acetyl-alpha-D-galactosamine:polypeptide	5
collectin sub-family member 11	41
ADP-ribosylation-like factor 6 interacting pro	1454
neuroblastoma breakpoint family, member 24	5
leukocyte-associated immunoglobulin-like recep	5
5-aminoimidazole-4-carboxamide ribonucleotide	5791
SHC (Src homology 2 domain containing) transfo	18
myosin IG	5
HECT, UBA and WWE domain containing 1, E3 ubiq	741
DEAH (Asp-Glu-Ala-His) box helicase 30	252
transthyretin	12915
serine/arginine-rich splicing factor 7	16077
tubulin, gamma complex associated protein 2	1638

X-ray repair complementing defective repair in	14802
ArfGAP with GTPase domain, ankyrin repeat and	5
GTPase activating protein (SH3 domain) binding	4413
ectonucleotide pyrophosphatase/phosphodiesterase	15
toll-like receptor 8	5
abhydrolase domain containing 16B	5
ATP-binding cassette, sub-family D (ALD), memb	5
capping protein (actin filament) muscle Z-line	545
apolipoprotein B	31
ficolin (collagen/fibrinogen domain containing	5
tripartite motif containing 72	8
solute carrier family 22 (organic cation trans	5
WD repeat domain 77	1214
bone marrow stromal cell antigen 1	44
zinc finger and BTB domain containing 38	1270
lactotransferrin	5
DEAD (Asp-Glu-Ala-Asp) box polypeptide 53	5
protein tyrosine phosphatase, receptor type, F	14842
NK2 homeobox 1	9
frizzled family receptor 8	791
quiescin Q6 sulfhydryl oxidase 1	9246
mitochondrial ribosomal protein L22	5309
GATS protein-like 2	5
caspase recruitment domain family, member 11	13
ER membrane protein complex subunit 1	5396
ATP-binding cassette, sub-family A (ABC1), mem	7
t-complex 10-like	5
epidermal growth factor receptor pathway subst	2643
HBS1-like (<i>S. cerevisiae</i>)	2367
gonadotropin-releasing hormone receptor	5
ubiquitin specific peptidase 15	286
insulin induced gene 1	1776
t-complex 1	15828
NudC domain containing 3	659
zinc finger protein 141	19
Ran GTPase activating protein 1	2648
T-cell immunoglobulin and mucin domain contain	10
timeless circadian clock	3085
Hermansky-Pudlak syndrome 4	719
Sec23 homolog B (<i>S. cerevisiae</i>)	1829
RAB43, member RAS oncogene family	5
neuron-derived neurotrophic factor	51
WD repeat domain 13	1128
LLP homolog, long-term synaptic facilitation (	88
phospholysine phosphohistidine inorganic pyrop	2365
solute carrier family 25 (mitochondrial carrie	1169
chromosome 12 open reading frame 79	5
low density lipoprotein receptor-related prote	16
ADAM metallopeptidase domain 7	5
family with sequence similarity 229, member B	237
nucleoporin 93kDa	1604
arginine-fifty homeobox	5
DnaJ (Hsp40) homolog, subfamily C, member 15	3290
eukaryotic translation initiation factor 2A, 6	3166

ring finger protein 126	658
corticotropin releasing hormone receptor 2	5
sine oculis binding protein homolog (Drosophil	22
fused in sarcoma	30612
transcription factor 3	1267
transmembrane protein 39A	1088
major facilitator superfamily domain containin	6
serine hydroxymethyltransferase 1 (soluble)	3432
WD repeat domain 75	174
leucine rich repeat containing 34	48
smoothelin-like 2	23
leucine rich repeat containing 2	5
early B-cell factor 4	1194
G protein-coupled receptor 183	112
ankyrin repeat and sterile alpha motif domain	40
gamma-glutamylamine cyclotransferase	164
LIM and cysteine-rich domains 1	1023
collapsin response mediator protein 1	252
splicing factor 3a, subunit 1, 120kDa	1091
translocase of inner mitochondrial membrane 50	2210
KIAA1715	858
neuregulin 3	27
membrane-associated ring finger (C3HC4) 6, E3	14086
Uncharacterized protein	5
ankyrin repeat and FYVE domain containing 1	969
CUGBP, Elav-like family member 3	5
interleukin 10 receptor, alpha	5
fibrinogen beta chain	1017
vascular cell adhesion molecule 1	33
Kruppel-like factor 2 (lung)	431
polymerase (DNA-directed), delta 4, accessory	6724
COP9 signalosome subunit 8	1979
family with sequence similarity 208, member A	60
ribosomal protein S6 kinase-like 1	9
cytoplasmic FMR1 interacting protein 1	40959
claudin 11	1116
leucine rich repeat containing 40	88
spermatogenesis associated 6-like	14
discs, large (Drosophila) homolog-associated p	8
family with sequence similarity 213, member A	482
chromosome 9 open reading frame 156	177
zinc finger protein 334	36
NAD(P)H dehydrogenase, quinone 2	62
Rho GTPase activating protein 12	190
chromosome 16 open reading frame 45	60
RWD domain containing 1	296
DnaJ (Hsp40) homolog, subfamily B, member 4	633
ribosomal protein S24	39029
PX domain containing serine/threonine kinase	220
leucine rich repeat containing 49	94
C-type lectin domain family 4, member C	5
guanylate cyclase 1, soluble, alpha 3	42
cadherin-like and PC-esterase domain containin	77
SRY (sex determining region Y)-box 17	65

pecanex-like 2 (<i>Drosophila</i>)	49
renalase, FAD-dependent amine oxidase	48
carboxypeptidase, vitellogenic-like	439
hydroxysteroid (11-beta) dehydrogenase 1	61
CCR4 carbon catabolite repression 4-like (<i>S. c</i>)	101
interferon-induced protein with tetratricopept	72
chromosome 11 open reading frame 54	47
KIAA1551	15
DDRGK domain containing 1	3324
zinc finger protein 140	137
family with sequence similarity 120A opposite	258
complement component 8, alpha polypeptide	5
biliverdin reductase A	144
glioma tumor suppressor candidate region gene	18735
family with sequence similarity 127, member C	1251
carbohydrate (N-acetylglucosamine-6-0) sulfotr	154
myosin, heavy chain 9, non-muscle	1317
G protein-coupled receptor 56	44
pantothenate kinase 2	1244
suppressor of cytokine signaling 5	72
ubiquinol-cytochrome c reductase, complex III	34490
cofilin 2 (muscle)	902
ST20-MTHFS readthrough	1604
myosin IF	33
protein arginine methyltransferase 7	6277
mitochondrial ribosomal protein L39	470
heterogeneous nuclear ribonucleoprotein A0	22668
integrator complex subunit 6	433
tumor necrosis factor, alpha-induced protein 8	259
pre-mRNA processing factor 4	2735
calcium channel, voltage-dependent, L type, al	69
cytochrome b5 domain containing 2	668
cytochrome P450, family 20, subfamily A, polyp	170
sodium channel, voltage-gated, type I, alpha s	21
Bet1 golgi vesicular membrane trafficking prot	722
CD1d molecule	7
G protein-coupled receptor 35	71
four and a half LIM domains 2	3097
N-6 adenine-specific DNA methyltransferase 1 (	93
biogenesis of lysosomal organelles complex-1,	83
methionine sulfoxide reductase B2	6585
phospholipase C-like 1	31
peroxiredoxin 2	7500
fibrinogen gamma chain	488
5,10-methenyltetrahydrofolate synthetase (5-fo	1604
cytochrome b5 type A (microsomal)	549
Src-like-adaptor	5
glypican 5	65
CHRNA7 (cholinergic receptor, nicotinic, alpha	5
apolipoprotein B mRNA editing enzyme, catalyti	10
phosphoenolpyruvate carboxykinase 1 (soluble)	5
glucose-6-phosphate isomerase	8230
lysyl oxidase-like 2	701
pancreatic progenitor cell differentiation and	17979

calcium channel, voltage-dependent, N type, al	5
phosphoinositide-3-kinase adaptor protein 1	14
G protein-coupled receptor 125	1042
G protein-coupled receptor 25	5
chromosome 18 open reading frame 32	733
angiotensin I converting enzyme	12
protein phosphatase 2, regulatory subunit A, a	65937
transcription elongation factor A (SII) N-term	78
A kinase (PRKA) anchor protein 11	71
synaptonemal complex protein 2-like	140
BH3 interacting domain death agonist	187
potassium voltage-gated channel, KQT-like subf	50
Ras-like without CAAX 1	192
transmembrane protein 257	5
atypical chemokine receptor 4	5
ring finger protein 41	152

Total sites	8mer sites	7mer-m8 sites	
	18	0	18
	10	2	7
	6	1	2
	4	2	0
	4	2	1
	6	0	6
	2	2	0
	2	2	0
	5	2	1
	8	1	7
	4	2	2
	5	1	2
	5	4	0
	2	0	1
	6	0	6
	4	2	1
	1	1	0
	1	1	0
	2	0	2
	7	0	7
	4	2	2
	4	0	4
	4	1	1
	1	1	0
	4	0	3
	1	1	0
	3	0	3
	4	0	1
	4	1	1
	3	1	0
	4	0	2
	5	0	0
	4	1	2
	1	1	0
	1	1	0
	6	0	6
	1	1	0
	5	2	2
	3	1	0
	3	0	2
	1	1	0
	3	1	1
	1	1	0
	3	1	2
	3	0	1
	3	0	3
	1	1	0
	1	1	0
	2	0	2
	10	1	9
	4	0	4
	2	1	1
	2	1	0

2	0	2
3	1	1
3	0	3
4	2	1
2	1	1
1	1	0
3	1	2
1	1	0
2	1	0
4	0	1
2	0	1
2	0	1
1	1	0
2	2	0
3	0	3
1	1	0
1	1	0
5	1	3
3	1	0
3	0	1
5	0	3
4	0	3
1	1	0
1	1	0
3	0	2
3	1	1
2	1	1
1	1	0
1	1	0
3	0	3
1	1	0
3	0	2
3	1	2
1	1	0
1	1	0
2	1	0
3	2	0
1	1	0
1	0	1
11	0	9
1	1	0
4	0	3
2	0	2
4	2	0
1	1	0
3	0	2
2	0	2
6	1	5
1	1	0
3	1	1
2	1	1
4	2	1
1	1	0
8	2	3

5	2	1
2	0	2
6	0	4
3	1	2
2	0	1
3	0	2
2	0	1
4	0	3
3	2	1
2	1	1
1	1	0
1	1	0
1	1	0
3	1	2
3	1	1
1	1	0
1	1	0
4	3	0
2	1	0
4	0	4
2	0	1
2	2	0
1	1	0
2	1	0
1	1	0
2	1	1
3	0	2
2	0	1
1	1	0
3	1	2
3	0	0
1	1	0
2	0	2
3	0	1
1	1	0
2	0	1
1	0	1
5	1	2
1	0	1
2	0	0
2	0	0
5	2	1
1	1	0
4	1	2
2	0	0
2	1	0
2	1	1
3	1	2
3	1	0
1	1	0
3	0	2
2	0	1
7	1	4
2	1	1

3	1	1
3	0	2
2	0	1
1	1	0
2	1	1
2	1	1
3	0	2
1	0	1
1	1	0
3	0	2
1	0	1
1	1	0
4	0	3
2	1	1
3	0	3
2	0	1
5	2	3
1	1	0
1	0	0
4	1	3
2	1	1
3	2	1
2	0	0
3	1	2
1	1	0
3	0	1
3	0	0
3	1	1
2	0	2
4	0	3
2	1	1
2	1	1
1	0	0
3	0	1
1	1	0
1	1	0
1	1	0
1	1	0
3	2	1
1	1	0
1	1	0
2	1	0
3	0	2
4	0	2
5	1	2
2	1	1
6	0	4
3	1	2
1	1	0
4	2	1
1	0	0
1	1	0
1	1	0
2	1	1

1	1	0
1	0	1
2	1	1
4	0	1
2	0	2
2	0	0
2	1	1
2	1	1
1	1	0
1	0	1
1	0	1
3	1	2
2	0	0
2	1	0
1	1	0
1	1	0
9	4	1
4	1	2
2	0	0
2	1	0
1	1	0
2	1	0
3	1	2
2	0	2
1	0	1
2	1	1
2	1	0
1	0	1
4	1	2
2	0	2
2	1	1
2	1	1
1	1	0
4	1	3
2	0	1
3	0	2
1	1	0
1	1	0
1	1	0
1	0	1
6	2	3
1	1	0
2	0	1
1	1	0
1	1	0
1	1	0
2	1	0
1	1	0
1	1	0
1	1	0
1	0	0
5	0	3
1	1	0
2	0	2

1	1	0
2	1	0
2	0	0
1	1	0
3	1	2
3	1	2
2	1	0
1	1	0
2	0	1
2	1	0
2	1	0
2	1	1
2	0	2
1	1	0
1	1	0
2	0	2
2	1	0
2	1	0
1	1	0
2	1	0
3	0	2
2	0	1
4	0	3
1	1	0
4	3	1
2	1	1
1	1	0
2	0	0
1	0	1
2	1	0
2	0	2
2	0	1
2	0	1
1	0	1
3	0	1
2	0	1
1	0	1
1	0	0
3	0	3
2	1	1
1	1	0
2	0	1
2	0	1
6	2	1
1	0	0
1	0	0
2	0	2
1	0	1
3	0	2
1	0	1
2	0	1
1	0	1
1	1	0
5	1	0

2	0	2
1	0	0
3	1	1
2	0	0
3	0	2
5	0	5
3	1	2
1	1	0
1	1	0
4	1	1
1	1	0
3	0	3
2	1	0
1	1	0
2	1	1
1	0	1
1	0	0
1	1	0
1	1	0
1	1	0
1	0	1
2	1	0
1	0	1
1	1	0
3	1	1
1	0	1
1	1	0
1	0	0
1	1	1
1	1	0
3	1	2
1	1	0
5	1	3
3	0	1
1	1	0
1	0	1
2	0	2
1	0	1
1	0	0
1	0	1
1	1	0
2	0	2
1	0	0
1	0	0
1	1	0
2	0	2
1	0	0
1	0	0
1	1	0
2	0	0
2	0	1
	1	0
1	0	0
1	0	1
2	1	1
1	0	1
1	1	0
1	1	0

2*

1	1	0
1	0	0
1	1	0
3	1	2
1	1	0
1	0	0
2	1	1
1	0	1
3	0	1
4	1	3
4	2	0
2	0	0
2	2	0
1	1	0
1	0	0
1	0	1
4	3	1
2	1	0
1	1	0
1	0	1
1	0	0
1	0	1
2	0	2
1	1	0
1	1	0
3	0	1
1	1	0
3	0	3
1	0	0
3	0	3
1	0	1
1	0	0
2	0	2
3	0	2
1	0	1
1	1	0
2	0	2
1	0	1
1	1	0
1	0	0
1	0	0
5	1	3
1	1	0
1	0	0
3	0	3
1	0	1
2	0	2
1	0	1
3	1	1
1	0	1
3	0	2
2	2	0
1	0	1

1	0	0
5	1	4
1	0	1
2	0	1
5	1	1
2	1	1
3	0	3
1	0	1
3	1	2
1	0	1
2	0	1
1	0	0
1	0	1
1	0	0
1	0	0
1	0	1
1	0	1
2	0	1
3	1	1
1	0	0
1	0	0
1	0	0
2	0	1
2	0	1
1	0	1
1	0	1
2	1	0
2	0	2
2	0	2
3	1	0
2	2	0
1	0	0
1	1	0
2	0	2
1	0	1
1	1	0
4	0	1
4	0	3
1	0	0
2	1	1
1	1	0
2	2	0
2	1	1
5	0	5
1	1	0
1	1	0
2	1	1
1	0	1
5	0	3
2	0	1
1	0	1
1	0	1
2	1	0
2	0	1

2*

2	1	1
1	0	1
1	1	0
1	0	0
2	0	1
1	1	0
1	1	0
3	1	1
2	2	0
2	1	1
1	1	0
4	1	1
2	0	2
1	0	0
4	0	4
2	0	2
4	0	3
8	0	6
3	0	3
2	1	0
5	1	3
1	0	0
1	0	1
1	0	0
1	1	0
1	0	1
1	1	0
1	0	1
1	0	1
2	0	1
2	0	2
1	0	1
1	0	1
2	0	0
1	1	0
	0	0
1	1	0
1	1	0
1	0	1
2	1	0
2	0	1
3	1	1
1	0	1
1	1	0
1	1	0
2	1	1
1	0	1
2	0	0
2	0	0
1	0	1
1	1	0
1	0	1
4	0	1
1	0	1

2*

1	1	0
1	0	0
1	0	1
1	0	1
1	1	0
3	0	3
3	0	1
2	0	0
2	0	1
1	0	0
1	1	0
3	0	3
1	1	0
1	1	0
2	0	2
2	1	0
1	1	0
2	0	1
1	1	0
1	1	0
1	0	1
1	0	1
2	0	1
2	1	1
1	0	0
1	1	0
1	1	0
1	0	1
1	0	1
1	1	0
1	0	1
2	0	2
2	0	2
1	0	1
1	0	1
2	1	1
2	1	0
1	0	0
1	1	0
1	1	0
3	0	2
2	0	2
2	2	0
1	0	0
1	0	1
1	0	0
1	1	0
2	0	2
1	0	1
2	0	0
1	1	0
2	0	1
1	0	0
1	1	0
5	0	5

1	0	0
5	0	2
1	1	0
2	1	0
1	0	1
1	0	0
1	0	1
1	0	1
1	0	1
2	0	0
2	0	2
1	0	0
1	0	1
1	0	1
1	1	0
2	0	2
1	0	1
1	0	1
5	0	2
1	0	0
2	0	0
2	0	2
2	0	1
1	0	0
1	0	0
2	0	0
1	1	0
1	0	0
5	2	2
1	0	1
1	0	1
1	0	0
1	0	1
1	0	0
2	1	1
2	0	1
2	0	1
3	0	0
2	0	1
2	0	2
1	0	1
1	0	1
1	0	1
1	0	1
4	1	0
2	0	1
4	1	2
1	0	0
2	0	2
1	0	1
2	1	1
1	0	0
1	0	0
1	0	1

1	0	1
2	0	2
3	1	2
1	0	1
1	0	1
2	1	0
1	1	0
2	0	2
4	2	2
1	0	0
4	0	4
3	0	1
3	3	0
2	0	1
1	0	1
1	0	0
2	0	1
1	0	1
2	0	1
1	0	0
1	0	1
2	0	0
1	0	0
2	0	1
1	1	0
1	0	0
1	0	1
1	0	1
2	0	1
1	0	1
2	1	1
2	1	0
2	1	0
1	1	0
1	0	1
1	1	0
1	0	0
1	0	1
2	0	1
1	1	0
3	0	3
1	0	1
1	0	0
2	1	1
1	1	0
1	0	1
1	1	0
1	0	1
1	0	1
2	0	1
1	0	0
1	0	1
1	0	1
1	0	0
2	1	0

1	0	1
1	0	1
1	0	1
1	0	0
4	2	1
2	0	1
4	0	0
1	1	0
2	1	0
1	0	0
1	1	0
2	1	0
2	0	2
1	0	0
2	0	0
1	0	1
1	0	0
1	1	0
2	0	1
1	0	1
1	0	0
1	1	0
1	0	1
2	0	0
3	1	1
2	1	1
1	0	1
1	0	1
3	0	0
1	0	0
3	0	3
1	0	0
1	0	1
1	0	1
1	0	1
1	0	1
1	0	1
1	0	0
2	0	2
1	0	1
1	0	1
1	0	1
1	0	1
1	0	1
2	0	1
2	1	0
1	0	1
1	0	1
1	0	1
3	0	3
1	0	1
2	0	1
4	0	4
3	0	2
1	0	1

1	0	0
3	1	2
1	1	0
1	1	0
1	0	1
1	0	1
2	0	0
2	1	0
1	0	0
3	1	1
2	0	2
1	0	1
1	0	1
1	0	0
1	0	1
1	0	0
1	1	0
1	0	1
2	1	1
2	1	0
1	0	0
1	0	1
1	0	0
1	1	0
1	1	0
1	1	0
1	0	1
1	1	0
1	0	1
1	0	0
1	0	1
1	0	0
1	0	1
1	0	0
4	0	4
1	0	0
2	0	1
1	0	0
1	0	1
1	0	1
1	0	0
1	0	0
1	0	0
1	0	0
1	0	0
1	0	0
1	0	1
1	0	0
2	0	1
1	0	0
1	0	1
1	0	0
1	0	0
1	0	0
1	0	0
2	0	1
1	0	0
3	0	3
1	1	0
1	0	0
1	0	0
1	1	0
1	0	0
3	1	2

1	0	0
1	0	1
1	0	0
1	0	0
1	0	0
1	0	1
4	1	2
1	0	1
1	0	0
3	1	1
1	1	0
2	1	1
2	0	2
2	1	0
1	0	0
1	0	1
1	0	1
1	0	1
1	0	1
1	0	1
2	0	1
6	0	6
1	0	1
4	1	3
1	0	0
1	1	0
3	1	0
2	0	0
1	1	0
6	2	3
2	0	2
1	0	0
1	0	0
2	0	2
1	1	0
1	1	0
2	0	0
1	0	1
1	1	0
2	0	2
2	0	1
1	0	1
1	0	0
1	1	0
1	0	1
2	0	1
1	1	0
1	0	1
3	1	1
2	1	0
1	0	1
1	0	1

1	0	0
2	0	2
1	0	1
1	0	1
1	0	1
1	0	1
1	0	1
1	0	1
1	0	1
1	0	1
1	0	1
2	0	1
2	1	1
4	0	2
3	0	1
1	0	1
1	0	0
1	1	0
1	1	0
1	0	0
1	1	0
2	1	1
1	0	0
6	1	5
2	1	1
2	1	1
2	2	0
1	0	1
3	1	2
1	0	1
1	0	0
1	0	0
1	0	1
1	0	0
2	0	1
2	1	1
1	0	1
1	0	1
1	0	1
1	1	0
3	2	1
1	0	1
3	1	2
1	0	0
1	1	0
1	0	1
1	0	1
1	0	1
4	0	4
1	0	0
1	0	1
1	0	1
1	0	0
1	0	0

1	0	1
3	0	2
2	0	1
2	1	1
1	1	0
1	0	1
2	0	2
1	1	0
1	0	1
3	2	1
1	0	1
2	1	1
1	0	1
2	0	0
1	0	0
1	0	0
1	1	0
1	0	1
1	1	0
3	1	2
2	2	0
1	0	0
2	1	1
2	1	0
1	0	1
1	0	0
2	0	1
1	0	0
2	0	0
1	0	2
1	0	0
1	0	0
1	0	0
1	0	2
2	0	3
3	0	1
2	0	0
2	0	0
1	0	0
1	0	1
1	0	0
1	0	1
1	0	1
5	0	2
1	0	1
2	0	0
2	0	1
4	0	2
	0	0
1	0	0
1	0	1
1	0	0
1	0	1
2	1	1
2	0	2
1	1	0

2*

1	0	0
2	0	2
1	1	0
1	1	0
6	1	3
1	0	1
1	0	1
1	0	1
1	0	0
1	0	1
1	0	1
1	0	1
1	0	1
1	0	1
1	0	1
1	0	1
2	0	2
4	1	1
2	1	1
1	0	1
1	1	0
1	0	0
2	1	0
2	0	1
2	0	1
1	0	1
2	0	1
2	0	1
1	0	1
2	1	1
3	1	1
2	0	1
4	1	2
1	0	1
1	0	1
2	0	2
1	1	0
1	0	0
1	0	1
3	1	2
1	0	1
1	0	1
1	0	0
1	0	0
1	0	0
2	0	1
1	0	1
1	0	0
2	0	2
1	0	1
1	0	0
1	0	1
1	0	1
2	0	0
2	0	1
1	1	0

2	1	1
2	0	1
3	0	2
1	0	0
1	0	1
1	0	0
2	0	2
2	0	1
2	1	0
1	0	1
2	0	2
2	0	1
3	0	3
4	1	3
2	1	1
3	0	1
1	0	0
2	0	2
1	1	0
1	0	1
1	0	1
1	0	1
1	1	0
1	0	0
1	0	0
2	0	2
2	0	1
1	0	1
1	1	0
3	1	0
1	0	1
1	0	0
2	0	1
1	0	0
1	0	0
1	0	1
2	0	1
4	2	2
4	1	2
3	2	0
1	1	0
1	0	1
1	0	0
1	0	1
2	1	0
2	0	1
4	3	1
1	1	0
1	1	0
2	1	0
1	0	1
1	0	1
1	0	1
1	0	1
1	0	0

1	0	1
1	0	1
2	0	1
1	1	0
1	0	0
1	0	0
1	1	0
1	1	0
1	1	0
1	1	0
2	0	0
1	0	1
1	1	0
1	0	0
1	0	0
2	1	1
1	1	0
1	0	0
1	0	0
3	1	2
1	0	1
2	0	2
1	0	1
1	0	0
1	1	0
1	0	0
2	0	1
1	0	0
1	0	0
1	0	0
1	1	0
1	0	1
1	0	0
2	0	2
1	0	1
1	0	0
1	0	1
4	0	3
1	1	0
1	0	0
1	0	1
1	0	1
1	1	0
1	0	0
1	0	1
1	0	1
1	0	1
1	0	1
1	0	0
2	0	1
2	0	1
1	0	1
1	0	1
1	1	0

1	0	1
1	0	1
3	1	2
1	0	1
2	0	0
2	1	0
2	1	1
2	0	1
1	0	1
1	0	1
1	0	1
1	0	0
4	0	3
2	0	2
1	0	0
1	0	1
1	0	1
1	0	1
1	0	1
1	0	0
1	0	1
1	0	1
1	0	1
2	1	0
1	0	1
1	0	0
1	0	1
1	0	1
1	0	0
2	0	1
2	2	0
1	0	1
1	0	0
1	1	0
1	0	1
1	0	1
2	0	1
1	0	1
1	0	1
1	0	1
1	1	0
2	1	1
2	1	0
2	1	1
2	0	1
1	1	0
1	0	1
1	0	1
1	0	1
1	0	1
1	0	2
2	0	2
1	0	1
1	1	0
2	0	2
2	0	0
1	0	0
1	0	0
1	0	0
1	0	0
1	1	0

3*

1	0	1
1	0	0
1	0	1
1	1	0
1	1	0
3	2	1
3	1	1
1	0	0
3	2	1
1	0	1
1	0	0
3	0	3
2	0	2
2	1	1
2	1	1
2	0	1
1	0	1
1	0	0
1	0	1
1	0	0
1	0	1
1	0	1
1	0	1
1	0	1
1	0	1
1	0	0
1	0	1
1	0	1
1	0	0
1	1	0
2	0	1
2	0	2
2	0	1
1	0	0
1	0	0
1	0	0
1	0	1
1	0	0
1	1	0
3	0	2
1	0	1
1	0	0
1	1	0
1	0	1
1	0	0
1	0	1
2	1	1
1	1	0
1	0	1
1	1	0
1	0	1
2	0	2
1	0	0

1	0	1
2	0	1
2	0	2
1	0	1
1	0	0
1	0	1
1	0	0
2	0	1
1	0	1
1	0	0
2	1	1
2	0	1
1	1	0
1	0	0
1	0	0
3	1	1
2	0	1
1	0	1
1	0	0
1	0	1
1	0	0
1	0	1
1	0	0
1	0	1
1	0	1
1	0	0
3	0	2
4	0	3
2	1	1
2	0	1
3	1	1
1	0	0
1	0	0
1	0	0
2	0	1
2	1	1
1	1	0
1	0	0
2	0	0
2	0	0
2	0	2
2	0	1
2	0	2
1	0	0
1	0	1
5	2	2
1	0	1
1	0	1
1	0	0
2	0	1
1	0	0
1	0	0
1	1	0
3	0	2

1	0	1
1	1	0
1	0	1
3	0	3
3	0	3
3	1	1
1	0	1
1	0	1
1	0	0
1	0	1
1	0	0
3	0	2
2	1	0
2	0	1
4	0	4
1	0	0
1	0	1
1	1	0
1	0	1
1	0	0
4	1	2
1	0	1
1	0	0
1	0	1
2	1	1
1	0	1
6	2	3
3	1	2
4	0	4
2	2	0
2	0	2
1	0	1
1	1	0
1	0	0
1	1	0
5	1	4
1	1	0
1	0	1
4	0	4
1	0	1
1	0	0
1	0	0
1	0	0
1	0	1
1	0	0
3	1	3
2	1	1
1	0	0
1	0	1
1	0	0
1	0	0
1	0	1
1	0	0
1	0	1
1	0	0
1	1	0

2	0	2
1	0	1
1	0	1
2	0	1
1	0	0
2	1	1
2	1	1
1	0	0
1	0	0
1	0	0
2	0	2
1	0	1
3	0	2
1	0	0
2	0	0
1	0	1
7	0	7
1	0	0
1	0	0
3	0	3
1	0	1
1	1	0
1	0	1
1	0	1
1	0	0
1	1	0
2	0	2
10	0	10
1	1	0
1	0	0
2	0	1
4	0	1
2	1	1
6	0	4
1	0	0
1	0	1
1	0	0
2	0	1
1	1	0
2	0	2
1	0	1
2	0	0
2	1	1
1	0	1
2	0	2
2	0	2
1	0	1
1	1	0
1	0	1
1	1	0
1	0	1
2	0	1
1	1	0
1	0	1

1	0	0
4	1	3
8	2	4
2	0	2
1	0	0
1	0	1
2	0	2
1	0	0
1	0	1
1	0	1
1	0	1
1	1	0
1	0	1
1	0	0
4	1	1
2	0	0
1	0	1
2	0	2
2	0	2
2	0	0
2	0	1
1	0	1
1	0	0
2	0	1
1	0	1
1	0	1
1	0	1
2	0	2
2	0	1
1	0	1
1	0	1
3	0	3
1	0	1
3	0	2
2	0	1
1	0	0
1	0	0
1	0	1
1	0	0
1	0	0
1	0	1
1	1	0
1	1	0
2	2	0
3	1	0
3	0	3
2	0	2
1	0	1
1	0	0
1	1	0
4	0	1
1	0	0
3	0	3
2	0	1

3	0	2
2	2	0
1	0	1
1	1	0
2	1	1
3	0	3
1	0	0
1	0	0
2	1	1
1	0	0
1	0	1
1	0	1
2	0	1
1	0	0
1	0	1
2	0	0
1	0	1
2	1	1
1	0	1
1	0	0
1	0	0
2	0	1
2	1	0
1	0	0
1	0	1
1	0	1
2	0	1
1	0	1
1	0	0
1	0	1
2	0	1
1	0	0
1	1	0
1	0	0
1	0	1
3	0	1
1	0	1
2	0	1
2	0	1
1	0	1
1	0	1
1	0	0
1	0	1
2	0	2
4	0	4
2	0	1
2	0	1
1	0	1
1	0	1
1	0	1
1	0	0
2	0	2
1	0	1
1	0	1
4	0	1
1	0	0
3	0	2
1	0	1
1	0	0

1	0	1
1	0	1
1	0	1
3	1	1
2	0	1
1	0	0
1	0	1
2	1	0
1	0	0
1	0	0
1	1	0
1	0	0
4	1	2
1	0	1
1	0	1
1	0	1
1	0	1
2	0	2
1	0	1
1	0	1
1	0	1
1	0	0
1	0	1
4	1	1
1	0	1
2	1	1
2	0	1
1	0	1
1	0	1
2	0	1
1	0	1
1	0	1
1	0	1
1	0	1
1	0	0
1	1	0
4	2	1
1	1	0
1	0	0
2	0	0
1	0	0
2	0	0
1	0	0
1	0	0
1	0	0
1	0	0
1	0	0
1	0	0
1	0	0
2	2	1
2	0	0
2	0	2
1	1	0
1	0	1
3	1	1

1	0	0
1	0	1
1	1	0
1	1	0
1	0	1
5	0	4
2	0	1
2	0	2
1	0	1
1	0	0
1	0	1
2	1	1
1	1	0
3	2	0
1	0	0
1	1	0
1	0	1
2	1	1
2	0	1
2	0	1
1	0	1
1	0	1
1	0	1
1	0	0
1	0	1
2	1	0
1	1	0
1	0	1
1	0	0
1	0	0
1	1	0
1	0	0
1	0	0
1	0	1
3	1	2
1	0	0
2	1	0
1	0	0
1	0	1
1	0	1
2	0	2
2	0	2
1	0	0
1	0	0
1	0	1
3	1	2
1	0	0
2	1	1
2	0	2
3	0	1
1	0	0
1	0	0
1	0	1
2	0	2

1	0	1
1	0	1
1	0	0
1	0	1
1	0	1
4	0	2
2	0	1
1	0	0
1	0	0
1	0	0
1	0	0
3	0	1
1	0	1
2	0	1
1	0	1
3	2	1
1	0	0
2	0	0
1	0	1
1	0	1
1	0	1
1	0	0
2	1	1
1	1	0
1	1	0
1	0	0
1	1	0
1	0	0
1	0	1
2	1	1
1	0	1
2	0	1
2	2	0
2	0	2
1	0	0
1	1	0
1	0	1
1	0	0
1	0	1
1	0	1
1	0	0
1	0	1
1	0	1
1	0	1
1	0	0
1	0	1
2	2	0
1	0	0
2	0	1
3	0	2
2	0	1
3	0	2
3	0	3
1	0	0

1	1	0
1	0	1
1	0	1
1	0	0
1	0	0
1	0	0
1	0	0
3	0	3
3	0	3
2	0	2
3	0	1
1	0	1
1	1	0
1	1	0
1	0	0
1	0	1
1	0	1
1	0	0
1	1	0
1	0	1
1	0	0
1	0	1
1	1	0
1	0	1
1	0	0
9	1	5
4	2	2
3	0	2
3	1	2
2	1	1
3	1	2
1	0	0
2	0	1
1	1	0
1	0	0
1	0	0
2	0	2
1	0	1
1	1	0
1	0	0
3	0	3
1	1	0
1	0	1
1	0	0
1	0	1
1	0	1
2	1	0
3	0	1
2	0	2
2	1	0
1	0	1
1	0	0
1	1	0

1	0	0
1	0	0
1	1	0
1	0	1
1	0	1
1	0	0
2	0	1
1	0	0
2	1	0
1	0	1
1	0	0
1	1	0
1	0	0
1	0	1
1	0	1
1	0	1
1	0	1
1	0	0
1	0	1
2	0	0
1	0	1
1	0	0
1	0	0
1	0	1
2	0	1
1	0	0
1	0	1
6	0	5
1	0	0
2	0	1
2	1	1
2	1	0
1	0	1
2	0	2
1	0	1
1	0	0
4	0	4
1	0	1
1	0	0
1	0	1
1	0	1
1	0	1
1	0	1
1	0	1
1	1	0
2	0	1
1	1	0
1	0	0
3	0	3
1	0	1
1	0	1
1	0	1

2*

1	0	0
2	1	0
1	0	1
1	0	1
1	0	1
1	1	0
3	0	2
1	1	0
1	0	1
6	2	3
2	1	0
1	0	0
1	0	1
2	1	1
2	2	0
1	0	0
	1	0
1	1	0
1	0	1
1	0	0
1	0	0
1	1	0
2	0	1
1	0	1
1	0	1
1	0	1
2	0	2
2	1	0
1	0	1
2	0	2
1	0	0
1	0	1
4	0	1
1	0	0
2	0	1
2	0	2
2	0	2
2	0	1
4	0	1
2	0	1
1	0	0
3	1	2
2	0	1
3	1	1
3	0	3
1	0	1
1	0	0
1	0	1
1	0	0
1	0	0
1	0	0
1	0	0
1	0	0
1	0	0
1	0	1
2	0	1

1	0	0
2	1	1
1	1	0
2	0	1
2	0	2
1	0	1
1	0	0
1	0	0
4	1	3
1	0	0
1	0	1
2	0	2
1	0	0
1	0	0
2	1	0
2	0	2
3	0	2
1	0	1
1	0	1
1	0	1
1	0	1
1	0	1
2	1	1
1	0	1
1	0	1
1	0	0
2	0	1
1	0	0
1	1	0
4	0	3
1	0	1
1	0	0
2	0	2
2	0	0
1	0	1
1	0	1
1	0	1
1	0	0
1	0	1
1	0	1
1	0	1
2	1	1
1	0	1
1	0	1
1	0	1
1	0	1
2	0	2
1	0	1
1	0	1
2	1	1
3	0	2
1	0	1

1	0	1
1	0	0
1	0	0
2	0	2
2	1	0
1	0	1
1	0	1
1	0	1
1	0	0
1	0	0
2	0	1
1	0	0
1	0	0
3	0	1
1	0	1
1	0	1
1	0	0
3	0	1
1	0	1
1	0	1
1	0	1
1	0	1
2	0	0
1	0	1
1	0	1
2	0	1
1	0	1
3	1	1
1	1	0
2	0	1
1	0	1
1	0	0
1	0	1
1	0	1
1	0	0
2	0	1
1	0	1
1	0	1
1	0	1
1	0	0
1	0	1
2	1	1
1	1	0
1	0	0
2	0	1
1	0	1
1	1	0
1	0	1
1	0	0
1	0	0
1	0	1
1	1	0
1	1	0

1	0	0
1	0	1
2	1	1
2	0	1
1	1	0
1	1	0
1	0	1
1	0	1
2	0	2
1	0	1
2	0	2
1	0	1
1	0	1
1	0	0
1	0	0
1	0	1
4	0	1
1	0	1
4	0	2
3	0	2
1	0	0
1	0	1
1	0	1
1	0	1
2	0	2
1	0	0
2	1	1
1	0	0
3	0	2
1	0	1
1	0	0
1	0	0
2	0	1
1	0	1
1	1	0
1	0	0
1	0	1
1	1	0
1	0	0
2	0	1
1	0	1
2	2	0
1	0	1
1	0	0
2	0	2
2	0	2
2	1	0
1	0	1
1	0	0
1	0	0
1	0	0
1	0	1
1	0	1

1	0	0
1	0	0
1	0	1
1	0	0
2	0	1
1	1	0
2	0	2
1	0	0
2	0	1
1	0	0
1	0	1
1	0	0
1	0	1
1	0	0
1	0	1
1	0	0
1	0	1
1	0	1
3	1	1
1	0	1
1	0	0
1	0	1
2	0	1
1	0	1
1	0	0
1	0	1
1	0	1
1	1	0
2	1	1
3	0	1
1	0	1
1	0	0
1	0	1
2	0	1
1	0	0
1	0	0
2	1	0
1	0	0
2	0	0
2	0	2
1	0	1
1	0	1
2	0	1
1	0	1
3	0	0
1	0	0
1	0	0
2	0	1
1	1	0
2	0	1
3	0	3
2	0	2
1	1	0

1	1	0
1	0	0
1	1	0
1	0	0
1	0	0
2	0	0
1	0	0
1	0	1
2	0	2
1	1	0
1	0	1
2	1	1
4	0	3
3	1	1
1	0	1
3	0	2
1	0	1
1	0	1
1	0	1
1	1	0
1	0	0
1	1	0
2	0	1
1	0	1
2	0	1
2	1	1
2	0	2
1	1	0
1	0	0
1	0	1
1	1	0
1	0	1
1	0	1
1	0	0
2	0	1
1	1	0
2	1	0
1	0	0
1	0	0
3	0	1
1	0	1
3	2	1
1	0	0
1	0	1
1	0	1
1	0	3
1	0	0
1	0	0
1	0	0
2	0	1
1	0	0
1	0	1
1	0	1
1	0	1

1	0	1
2	1	0
1	0	1
1	0	1
1	0	1
1	0	1
1	1	0
1	0	0
1	0	0
1	0	1
1	1	0
1	0	1
1	0	0
1	0	0
1	0	1
2	0	1
1	0	0
1	0	1
2	1	0
1	0	1
1	0	0
1	0	0
1	0	1
2	1	0
2	1	0
1	0	1
1	0	0
1	0	1
1	0	0
1	0	0
1	0	1
1	0	0
1	0	0
1	1	0
1	0	0
1	0	0
1	1	0
1	0	1
1	0	0
1	0	1
1	0	1
2	1	1
2	1	1

1	0	1
2	0	1
1	1	0
1	1	0
1	0	1
1	0	1
1	0	0
1	0	0
1	0	0
1	1	0
1	0	0
1	0	0
1	0	0
2	0	1
2	0	0
2	0	2
2	0	0
1	0	1
1	0	0
1	1	0
1	0	1
4	1	2
1	0	1
1	0	1
1	0	0
1	0	0
1	0	1
1	0	0
4	0	3
1	0	1
4	0	3
3	1	2
2	0	1
2	0	2
1	0	1
1	0	1
1	0	0
1	0	1
1	0	1
1	0	1
1	0	1
1	0	1
1	0	0
1	0	0
1	0	0
1	0	1
1	0	3
3	0	2
1	0	1
2	1	0
2	0	1
1	0	0
1	0	1
3	1	2
1	1	0

2	0	0
1	1	0
1	0	1
1	0	0
1	0	1
1	1	0
2	0	2
1	1	0
1	1	0
2	1	1
1	0	1
1	0	1
2	0	1
1	0	1
2	0	1
1	0	1
1	0	1
3	0	2
2	0	2
2	1	1
1	0	1
1	0	1
1	0	0
2	0	1
2	0	1
1	0	0
1	0	1
1	0	0
3	0	2
1	0	1
1	0	1
2	1	1
1	0	0
2	1	1
1	1	0
1	0	0
1	1	0
2	1	1
1	0	1
1	1	0
2	0	1
1	1	0
1	0	1
2	0	2
1	1	0
3	1	1
2	1	1
2	0	1
2	0	0
1	0	1
5	0	4
1	0	1
1	0	1
1	0	1

1	0	0
1	1	0
2	1	1
2	0	2
1	0	0
1	0	0
1	0	1
2	0	2
1	1	0
1	0	1
1	0	0
1	1	0
1	0	0
2	0	2
1	0	0
2	0	2
2	1	1
1	0	1
3	1	1
1	0	0
2	0	2
1	0	0
1	1	0
1	0	1
2	0	2
1	0	1
1	0	0
1	0	0
1	0	0
1	0	1
1	0	0
1	0	0
1	0	1
3	0	2
1	0	0
2	0	1
1	0	1
1	0	0
1	0	1
1	0	1
3	0	2
1	0	0
2	1	1
1	0	1
1	0	0
1	0	1
1	0	1
1	0	1
4	1	3
1	0	1
1	0	0
2	0	1

1	0	1
3	1	2
4	0	3
1	0	1
2	0	1
3	0	2
2	0	2
1	0	1
1	0	1
1	0	1
1	0	0
1	0	1
1	0	0
1	0	0
1	0	0
1	0	1
1	0	1
1	0	0
1	0	0
1	1	0
1	1	0
1	0	0
3	0	2
1	1	0
3	1	2
1	0	1
3	0	2
1	0	0
2	0	2
1	0	0
1	0	0
1	0	2
1	0	1
1	0	1
1	0	1
1	0	0
1	0	0
1	0	1
1	0	1
1	0	1
1	0	1
1	0	1
1	0	0
1	1	0
1	0	0
1	1	1
3	1	1
1	0	1
2	0	1
2	0	1
1	1	0
4	2	1
1	0	1

1	1	0
1	0	1
1	0	0
1	0	1
1	0	0
1	0	1
1	0	1
1	0	0
1	1	0
4	0	4
1	0	0
1	0	1
1	0	0
1	0	1
2	0	2
1	0	1
2	0	2
1	0	0
1	0	1
1	0	1
1	0	1
1	0	1
2	0	1
1	1	0
1	0	0
1	1	0
3	0	2
1	0	0
1	0	1
2	0	2
1	0	1
1	0	0
4	1	3
1	0	1
1	0	0
2	0	2
1	1	0
1	0	1
2	0	0
4	0	4
1	0	0
2	0	2
1	0	1
1	0	1
2	0	0
2	0	1
1	0	0
1	0	0
1	0	1
1	0	1
1	0	1
1	1	0
2	1	1
1	0	0
1	0	0

1	0	1
1	0	1
3	0	1
1	0	0
3	0	3
1	0	1
1	0	1
1	1	0
1	0	1
1	0	1
1	0	1
1	0	1
4	0	2
1	0	1
2	1	1
1	0	1
2	1	0
2	0	1
1	0	0
3	0	2
1	0	1
2	1	0
2	1	1
1	0	0
2	0	1
1	0	1
1	0	1
2	0	2
1	0	0
1	0	0
1	0	1
1	0	0
3	0	2
1	0	0
3	1	2
1	0	1
2	1	1
1	0	1
1	1	0
1	0	0
1	0	1
1	0	0
2	1	0
1	0	1
2	0	1
1	1	0
2	1	1
1	0	1
1	0	1
1	0	0
1	0	0
1	0	0
1	0	0
1	0	0
1	0	1
1	0	2

2	2	0
2	0	1
1	1	0
1	1	0
1	0	1
1	0	0
2	0	2
1	0	1
1	0	0
1	0	1
1	0	1
1	0	0
1	0	1
1	0	1
1	0	0
1	0	1
1	0	1
2	0	1
2	0	0
3	0	0
1	0	0
1	0	1
1	0	0
3	1	2
1	0	0
1	0	0
1	0	1
1	0	1
1	0	0
2	2	0
2	0	0
1	1	0
1	0	1
1	0	1
1	0	0
1	0	1
1	0	0
1	0	1
1	0	1
1	0	0
1	0	1
1	0	1
1	0	0
1	0	1
2	1	1
3	1	0
2	1	0
1	0	0
1	0	0
1	0	1
1	0	1
1	0	1
1	0	1
1	0	1
1	0	1
3	0	3
1	0	1
1	0	1
2	0	2

1	0	1
1	0	1
1	0	1
1	0	1
3	0	3
3	0	3
4	1	3
2	0	2
1	1	0
6	0	1
1	0	1
1	0	1
2	0	1
1	0	1
1	0	1
1	1	0
2	0	0
2	0	2
1	0	0
1	1	0
1	0	0
1	0	1
1	0	3
3	0	1
2	0	0
1	0	1
1	0	2
1	0	0
1	0	1
1	0	0
1	0	0
1	1	0
1	0	0
2	0	1
2	0	1
1	0	1
3	0	2
1	0	0
2	0	2
1	0	1
3	0	1
3	0	3
1	0	1
1	0	0
1	0	1
1	0	0
1	0	0
1	0	0
1	0	0
1	0	1
1	1	0
3	0	1
1	0	0
1	0	1
2	0	1

3	0	0
3	0	1
2	0	2
1	0	1
2	1	1
1	0	1
1	0	1
2	0	2
1	0	1
1	0	1
1	0	1
1	0	1
4	0	3
1	0	0
4	0	3
1	0	0
2	1	0
1	0	1
1	0	0
1	0	1
1	0	0
3	0	3
1	0	1
2	0	2
2	0	1
3	0	1
1	0	0
2	0	1
3	0	3
1	1	0
1	0	1
1	0	0
2	0	2
1	1	0
1	1	0
2	0	2
7	3	4
1	0	1
1	0	0
1	0	1
1	1	0
4	0	3
1	0	0
1	0	1
1	0	0
1	1	0
2	0	1
4	0	1
1	0	1
2	1	0
1	0	0
1	0	0
1	0	1
1	0	1

1	1	0
1	0	1
1	0	0
1	0	0
1	0	1
1	0	0
1	0	1
2	0	1
1	0	1
1	0	0
2	0	1
1	0	0
2	0	1
1	0	1
1	0	1
1	0	1
1	0	1
1	0	1
1	1	0
2	0	2
2	0	1
1	0	1
1	0	0
1	1	0
1	0	1
1	0	1
1	0	1
2	0	2
1	0	1
2	0	0
2	0	1
3	1	1
1	0	1
1	0	1
1	1	0
1	0	1
3	1	1
1	1	0
3	1	2
1	0	1
1	0	1
1	0	1
1	0	1
1	0	1
1	0	1
1	0	1
1	0	1
1	0	0
1	0	1
1	0	1
1	0	1
2	2	0
1	0	0
1	0	1
3	0	3
2	1	1

2	0	1
2	0	2
1	0	1
1	1	0
3	0	3
1	0	1
1	1	0
1	0	1
1	0	0
3	0	2
2	0	0
1	0	0
2	0	1
4	0	3
2	0	2
1	0	1
2	0	2
6	1	2
3	1	2
1	0	0
1	0	1
2	1	1
1	0	1
1	0	1
2	1	1
1	0	1
1	0	1
1	1	0
2	0	2
1	0	0
1	0	1
1	0	1
1	0	1
1	0	1
1	1	0
1	0	1
2	1	1
1	0	1
1	0	0
2	0	1
2	0	2
1	0	1
2	0	0
1	0	1
3	1	2
2	0	1
1	0	0
1	0	1
7	0	7
3	1	0
2	0	1
1	0	0
1	0	1
1	0	1
1	0	0

1	0	0
1	0	1
1	0	1
1	0	1
1	0	0
1	0	1
1	0	0
1	0	1
1	0	0
1	0	0
1	0	0
1	0	1
1	0	0
2	1	1
2	0	2
1	0	0
1	0	1
2	0	2
2	0	2
1	0	0
1	0	1
1	0	1
1	0	1
3	0	2
1	0	0
2	0	1
1	0	1
1	0	0
1	0	1
2	0	0
2	0	2
2	0	2
1	0	0
1	0	0
1	1	0
1	0	1
2	0	2
2	0	0
2	0	1
1	0	1
1	0	1
1	0	1
1	0	1
2	0	0
1	0	0
3	0	2
1	0	1
4	0	3
2	0	2
2	0	0
2	1	1
2	0	2
1	0	1

1	0	1
1	0	1
1	0	1
1	1	0
1	0	1
1	0	1
1	0	0
1	0	0
1	0	0
1	0	0
1	1	0
1	0	1
1	0	1
1	0	1
1	0	1
1	1	0
2	0	1
1	0	1
1	0	0
2	0	1
1	0	1
2	0	1
2	0	1
2	1	1
2	0	0
1	0	1
3	1	2
1	0	1
1	0	1
1	0	1
1	0	0
1	0	1
1	0	1
1	0	1
1	0	1
1	0	0
1	0	1
1	0	1
2	0	1
2	0	2
2	1	0
2	1	1
1	0	1
1	0	1
1	0	1
1	0	1
2	0	0
1	1	0
2	0	2
2	0	2
1	0	1
1	1	0
1	0	1
1	0	1
3	2	0
1	0	0
3	1	1
3	0	3

3*

1	0	0
1	0	1
2	0	2
1	0	0
3	1	1
1	0	1
3	0	1
1	0	0
	0	2
1	0	0
2	0	1
4	0	3
1	0	1
2	0	2
2	0	1
4	1	3
1	0	0
1	1	0
2	0	2
1	0	1
2	1	1
1	0	0
2	0	2
1	0	1
1	0	1
1	0	1
1	0	1
1	0	0
2	1	1
1	1	0
2	0	1
1	0	0
3	0	2
1	0	1
1	1	0
2	0	2
1	0	1
1	0	0
1	0	1
1	0	0
1	0	0
2	0	1
1	0	1
1	0	0
1	0	1
1	0	0
1	0	1
1	0	0
1	0	1
1	0	0
1	0	1
1	0	0
1	0	1
1	0	0
1	0	1
4	1	2
1	0	1
2	1	1

1	0	1
2	0	0
1	0	0
2	1	0
3	1	2
2	1	1
1	0	0
1	0	1
1	1	0
1	0	1
1	0	1
1	0	0
1	1	0
1	0	1
19	0	19
1	0	1
1	0	1
1	0	1
1	0	0
6	0	5
1	0	0
1	0	0
2	0	0
1	0	0
1	0	1
1	0	1
1	0	1
1	0	0
1	0	1
1	0	0
2	1	1
1	0	1
1	0	1
2	0	2
1	0	0
1	0	1
1	0	1
1	0	1
2	0	1
1	0	1
2	1	1
1	0	0
1	0	1
1	0	1
1	0	1
2	0	1
4	1	2
1	0	1
1	0	1
3	0	3
1	0	1
2	0	2
1	0	0
1	0	1

1	0	1
1	0	1
1	0	1
1	0	0
2	0	2
2	0	2
1	0	0
1	0	1
1	1	0
1	0	1
1	1	0
1	0	1
1	0	1
1	0	1
1	0	1
3	1	2
1	0	1
5	1	2
2	0	2
1	1	0
1	0	1
2	2	0
1	0	1
1	0	0
2	0	1
1	0	0
1	0	1
2	0	1
3	0	1
1	0	1
1	0	1
3	1	0
1	0	1
1	0	1
1	0	1
3	0	0
1	0	1
2	0	2
1	0	1
1	0	1
1	0	0
1	0	1
2	0	1
2	0	1
3	0	2
1	0	1
1	0	0
2	1	1
2	0	2
3	1	2
1	0	1
1	0	0
3	2	1
1	0	0
2	0	2

4	1	0
1	0	0
2	1	1
1	1	0
1	0	1
2	1	0
1	0	1
1	0	1
2	0	1
2	0	1
4	1	3
1	0	1
2	0	2
1	0	1
1	0	0
1	0	1
1	0	1
1	0	1
1	0	1
1	0	1
1	0	0
1	0	0
1	0	0
1	0	0
1	0	0
1	0	1
2	0	1
1	0	0
2	1	1
1	0	1
1	0	0
1	1	0
3	2	0
1	1	0
2	0	2
1	1	0
2	0	2
1	0	1
1	1	0
1	1	0
1	0	1
1	0	1
1	0	1
1	0	1
1	0	1
1	0	1
1	0	1
1	0	1
3	0	2
1	0	1
2	0	1
2	0	1
1	0	1
1	0	1
2	0	0
2	0	2
1	0	0
1	0	0

1	0	0
1	0	1
1	0	1
1	0	1
1	0	0
1	0	0
1	0	1
1	0	0
1	0	1
1	0	1
2	0	2
1	0	1
2	0	2
1	0	1
2	1	1
1	1	0
2	0	1
1	0	1
2	0	0
1	0	1
1	0	0
2	0	2
1	0	1
1	0	1
1	0	0
1	0	1
2	0	1
1	0	1
2	0	1
1	0	0
1	1	0
2	1	0
2	1	0
1	1	0
1	0	1
1	1	0
1	0	0
2	2	0
2	1	1
1	1	0
1	0	0
1	0	0
2	1	0
2	0	1
3	1	2
1	0	1
1	0	0
2	0	2
1	0	0
2	0	2
3	0	1
1	0	0

1	0	1
1	0	1
1	1	0
2	0	2
2	0	0
1	0	1
2	1	1
2	0	2
1	0	0
1	0	1
1	1	0
1	0	0
1	0	0
1	0	1
2	1	1
2	0	2
2	0	2
2	0	2
2	1	0
1	1	0
2	0	2
2	0	2
1	0	0
2	0	2
2	0	2
2	0	2
2	0	2
3	0	3
2	0	2
2	0	2
1	0	1
2	0	2
1	0	0
2	0	2
1	0	1
2	0	2
2	0	2
2	0	2
2	0	2
1	0	0
1	0	1
1	0	1
2	0	2
2	0	2
2	0	2
1	0	0
1	0	0
3	0	1
3	1	1
1	0	1
1	0	1
2	0	2
1	0	0
4	0	3
2	0	2
1	0	1

1	0	1
1	0	1
1	1	0
3	2	1
2	0	1
1	1	0
1	0	1
1	0	1
1	0	0
1	0	1
1	0	1
1	0	1
1	0	1
2	0	2
1	0	0
1	0	1
1	0	1
3	1	2
1	0	0
4	0	4
1	0	1
1	1	0
1	0	1
2	0	2
2	0	1
1	0	1
1	0	1
1	0	0
1	0	1
2	0	1
2	1	1
2	0	2
1	0	1
3	1	2
1	1	0
3	1	2
1	0	1
2	0	2
1	0	0
1	0	0
1	0	1
1	0	1
1	0	1
1	0	1
1	1	0
1	0	0
1	0	1
1	0	1
1	0	1
2	0	2
2	1	1
1	0	1
1	0	0
1	0	1
2	0	1
1	1	0
1	1	0

2*

1	0	1
1	0	0
1	0	0
1	0	0
1	0	0
3	1	1
1	0	1
2	0	2
3	0	3
5	0	3
1	0	1
3	0	1
1	0	0
	0	1
1	0	1
2	0	2
1	0	1
1	0	1
2	0	1
1	0	1
6	0	6
3	2	0
2	0	1
3	0	3
1	0	0
1	0	1
1	0	0
1	0	0
1	0	1
1	0	1
1	0	1
1	0	1
2	1	1
3	1	2
4	0	3
3	0	3
1	0	1
2	0	1
1	0	0
1	1	0
2	1	0
1	0	1
1	0	1
2	0	2
1	0	1
1	0	1
1	0	1
2	0	1
1	0	1
1	0	0
1	0	0
2	0	1
2	1	1

2	0	2
1	0	1
1	1	0
2	0	1
2	0	1
1	0	0
1	0	1
4	1	2
2	0	0
1	0	1
1	0	1
2	0	2
1	0	1
1	0	1
1	1	0
1	0	0
3	1	2
2	1	0
3	0	2
4	2	0
1	1	0
1	0	1
2	0	1
2	0	1
1	1	0
1	1	0
1	1	0
1	0	1
2	0	1
1	1	0
1	1	0
1	1	0
1	1	0
2	0	1
1	1	0
1	1	0
2	0	1
1	1	0
1	1	0
1	1	0
1	1	0
1	1	0
1	1	0
1	1	0
1	1	0
2	0	1
1	1	0
1	1	0
1	1	0
2	0	1
1	1	0
1	1	0
2	0	1
1	1	0
2	1	1

2	1	1
1	0	0
1	0	0
1	1	0
1	1	0
2	1	0
2	0	1
1	1	0
1	1	0
1	1	0
2	1	0
1	0	1
1	0	0
1	0	1
1	1	0
1	0	1
3	0	3
1	0	1
1	1	0
1	0	1
3	0	2
1	0	1
1	0	1
1	0	1
1	0	1
2	0	1
1	0	0
1	0	1
1	0	1
1	0	1
2	0	1
1	0	1
1	0	1
1	0	1
1	0	1
1	1	0
1	1	0
2	0	2
2	0	1
3	0	2
3	0	2
1	1	0
2	0	2
2	0	1
1	1	0
1	0	1
1	0	1
4	1	2
1	0	1
2	1	1
1	0	1

1	0	0
3	0	1
1	0	1
1	0	1
1	0	1
1	0	1
1	1	1
1	0	0
1	0	1
1	0	1
1	0	1
3	0	3
1	0	1
1	0	1
3	0	2
1	1	0
1	0	1
1	0	0
1	0	0
1	1	0
1	1	0
2	0	1
1	0	1
2	0	1
3	1	1
1	0	1
3	0	1
3	1	0
3	1	2
1	0	1
1	0	1
1	1	0
1	0	1
1	0	1
1	1	0
1	0	0
1	0	1
2	0	2
2	1	1
1	0	1
1	0	0
1	0	0
2	1	0
1	0	1
2	0	2
1	0	1
1	1	0
1	0	0
1	1	0
1	0	1
2	0	1
2	0	1
1	0	1
1	0	1

1	0	1
1	0	1
2	0	2
2	1	0
1	0	0
1	0	1
1	0	0
3	0	2
2	0	1
1	1	0
2	0	1
2	0	1
1	0	0
1	0	1
2	0	2
2	2	0
2	0	2
1	0	1
1	0	1
2	0	1
1	0	1
1	0	0
1	0	0
3	1	2
1	1	0
1	0	1
1	0	0
1	0	0
1	0	1
1	1	0
1	0	1
1	0	1
1	0	1
1	0	1
1	0	0
1	0	1
1	0	1
1	0	1
1	0	0
3	0	1
1	1	0
1	1	0
1	1	0
2	1	0
1	1	0
1	0	1
1	0	1
2	0	1
1	0	0
2	0	1
1	0	1
2	0	1
1	0	0
1	1	0
1	0	1

1	0	1
1	0	1
2	0	1
1	0	1
1	0	1
1	0	0
1	0	1
1	0	1
2	1	1
1	0	1
1	0	1
1	0	1
1	0	1
1	0	1
1	0	0
1	0	1
2	0	1
1	0	1
2	1	0
1	0	1
1	0	1
1	0	0
1	1	0
1	0	1
1	0	1
1	0	1
2	0	2
1	0	0
1	0	1
1	0	1
1	1	0
2	1	1
1	0	1
1	0	1
1	0	1
1	0	0
1	0	1
5	2	1
2	0	1
1	0	1
3	1	2
1	0	0
1	0	1
1	0	0
2	0	1
1	0	1
1	0	1
1	0	1
1	0	1
1	0	1
1	0	1
1	0	0
1	0	2
3	0	1
2	0	1
2	1	0
1	0	1
1	0	1

1	0	1
1	0	1
3	3	0
1	0	1
1	1	0
4	1	2
1	0	0
9	3	2
1	0	1
3	1	1
1	0	0
1	0	0
1	0	1
1	0	1
1	0	1
1	0	0
1	0	1
2	0	0
1	0	1
2	0	2
2	0	1
1	0	1
1	0	1
1	1	0
1	0	0
1	0	1
1	0	0
2	0	1
1	1	0
2	0	2
1	0	1
1	0	1
1	0	0
1	1	0
2	0	2
1	0	1
1	0	1
1	0	1
1	0	1
1	0	1
1	0	1
1	0	1
1	0	1
1	0	1
5	0	3
1	0	1
2	1	1
1	0	0
1	0	1
1	0	1
2	0	1
1	0	1

2*

2	0	1
1	0	1
1	1	0
1	1	0
1	0	1
1	0	0
1	0	1
1	1	0
1	0	1
1	0	0
1	1	0
1	0	1
7	4	2
1	0	0
1	1	0
	0	0
1	0	1
1	0	0
2	0	2
2	0	1
2	0	2
1	0	1
1	0	1
1	0	1
1	0	1
3	0	2
1	0	1
1	1	0
1	0	0
1	0	0
3	0	1
1	0	1
1	0	1
1	0	0
2	0	1
2	1	1
1	1	0
1	0	1
1	0	1
1	0	0
1	1	0
1	0	0
1	0	0
1	0	1
1	0	1
1	0	1
1	1	0
1	0	1
1	1	0
1	0	0
1	1	0
1	0	0
2	0	2
1	0	1

1	1	0
1	0	1
1	0	1
1	1	0
1	0	0
2	0	1
2	0	1
3	0	2
1	0	0
1	0	0
2	0	0
1	0	1
1	0	0
1	0	1
1	0	0
2	0	2
1	0	0
1	0	1
1	0	0
1	1	0
1	0	1
1	0	1
1	0	2
2	0	2
2	0	1
1	0	1
2	0	0
1	0	0
1	1	0
1	0	1
1	1	0
1	1	0
1	0	0
1	1	0
2	1	1
1	0	0
1	1	0
1	0	0
2	1	1
2	0	1
1	0	0
1	1	0
1	0	0
1	0	1
2	0	2
2	1	1
1	0	1
1	0	0
1	0	1
1	0	0
1	0	1
2	0	2

1	0	1
2	0	1
1	0	1
2	1	1
1	0	1
1	0	0
1	1	0
1	0	1
2	0	1
1	0	1
1	0	0
1	0	0
1	0	1
3	0	1
1	1	0
1	1	0
1	0	1
1	0	1
1	0	1
1	0	0
3	1	1
1	0	1
1	0	1
2	1	1
1	1	0
1	0	1
2	0	0
2	0	1
1	0	0
1	0	1
2	0	1
1	0	0
1	0	1
4	3	1
2	0	2
1	0	1
1	0	1
3	0	3
3	1	2
1	0	1
1	0	0
2	2	0
1	0	1
1	0	1
1	0	0
2	0	2
3	0	3
1	0	0
1	0	1
1	1	0
1	0	1
1	1	0
1	0	1
1	0	1
1	0	0

1	0	1
1	0	1
3	1	2
1	0	1
1	0	1
1	0	0
1	0	1
1	0	1
2	0	2
1	0	1
3	0	3
1	0	1
3	0	2
3	0	2
2	0	1
1	0	0
1	1	0
1	0	1
4	1	1
2	0	1
1	1	0
2	1	1
1	0	1
1	0	0
2	0	0
4	1	3
1	0	0
1	0	0
1	0	1
1	0	0
1	0	1
1	0	1
1	0	1
1	0	0
1	0	1
1	0	0
1	0	0
1	0	1
1	0	0
2	1	1
1	1	0
3	0	3
1	1	0
1	0	0
3	0	1
1	1	0
2	0	1
1	0	0
9	1	6
1	0	1
1	0	1

1	0	0
1	0	0
1	0	1
1	0	0
2	0	2
1	0	0
1	0	1
1	0	1
1	0	1
1	0	1
2	0	2
1	0	1
1	0	1
1	0	1
1	0	1
1	0	0
1	0	1
1	0	0
1	0	1
1	0	0
1	0	1
1	1	0
1	0	1
2	0	1
1	0	1
1	0	1
1	1	0
1	0	1
3	0	3
2	0	2
1	0	1
1	1	0
1	1	0
1	0	0
2	1	1
1	0	1
1	0	0
1	0	1
1	0	0
1	0	0
1	0	1
1	0	0
1	0	1
1	0	0
1	0	0
1	0	1
1	1	0
1	0	1
1	0	0
1	0	1
1	0	0
2	0	2
1	0	0
2	0	1
1	0	0
2	0	2
1	0	1
1	0	1
1	0	0

1	0	0
2	1	0
3	2	0
1	0	0
1	0	0
1	0	1
2	0	2
1	0	1
2	0	1
1	0	1
1	0	0
1	0	0
1	0	1
1	0	1
1	0	1
1	0	1
1	0	0
2	1	0
1	0	1
1	0	1
1	0	1
1	0	1
1	0	0
1	0	1
1	0	1
1	0	1
4	0	3
3	2	0
1	0	1
1	0	1
2	0	0
1	0	0
1	1	0
1	1	0
2	0	2
2	1	1
1	0	1
1	0	1
1	1	0
1	0	1
1	0	0
1	0	1
6	0	6
1	0	0
1	0	1
1	0	0
2	0	1
2	0	1
2	0	2
1	1	0
1	0	1
2	0	2
1	0	0
1	0	0
1	0	1
1	0	0
1	0	1
1	0	0

1	0	0
1	0	1
1	0	1
2	0	1
1	0	0
1	0	1
1	1	0
1	0	0
5	1	3
2	0	1
1	0	0
1	0	1
1	1	0
2	0	2
1	1	0
1	0	0
2	0	1
1	0	1
1	0	1
1	1	0
3	0	2
1	0	1
2	0	1
2	0	1
1	0	0
1	0	1
1	0	1
2	0	0
2	0	2
1	1	0
2	0	0
1	0	0
1	0	0
2	1	0
1	0	1
1	0	1
1	0	1
2	0	0
1	0	1
1	0	1
1	0	1
2	0	1
1	0	1
1	0	0
1	0	0
1	0	0
1	0	1
2	0	0
1	0	0
5	0	3
1	0	1
1	1	0
3	1	2
1	0	1

1	0	0
1	0	1
3	0	2
1	0	0
1	1	0
1	0	1
1	0	1
1	0	1
1	0	1
1	0	1
1	1	0
1	1	0
1	0	1
1	0	0
1	0	0
2	0	1
1	0	0
1	0	1
2	0	1
3	1	2
1	0	1
1	0	0
1	0	0
1	0	1
1	0	1
4	1	2
1	0	0
1	0	0
2	1	1
1	1	0
1	0	0
1	0	1
1	0	1
1	0	0
1	1	0
2	1	1
1	0	1
1	0	0
1	0	1
1	0	1
2	0	2
2	0	1
1	0	0
1	1	0
1	0	0
1	0	0
1	0	1
1	0	0
3	1	2
1	0	0
2	1	1
2	0	2
1	0	1
1	0	0
1	0	0
1	0	1
0	0	0

1	0	1
1	0	0
1	0	0
2	0	1
1	0	1
1	0	1
1	0	1
2	0	2
1	0	1
1	0	0
2	0	1
1	0	1
1	0	0
1	0	1
1	0	1
4	1	2
1	0	1
1	0	1
1	0	0
1	0	1
2	0	1
1	0	1
1	0	1
1	0	1
4	0	2
2	0	2
1	0	1
1	0	1
1	0	1
1	0	1
1	0	1
3	0	2
1	0	1
1	0	1
3	0	3
1	0	0
1	0	0
2	1	1
1	1	0
1	0	1
1	0	0
1	0	1
1	1	0
1	0	1
2	0	0
1	0	0
1	1	0
3	2	0
1	0	0
1	0	0
1	0	1
1	0	1
1	0	1
1	0	1

7mer-A1 sites

6mer sites

0	4
1	3
3	1
2	0
1	1
0	2
0	0
0	0
2	1
0	0
0	0
2	4
1	1
1	37
0	2
1	4
0	0
0	2
0	5
0	0
0	3
0	3
2	0
0	0
1	3
0	1
0	0
3	6
2	7
2	1
2	5
5	2
1	6
0	0
0	0
0	2
0	0
1	1
2	1
1	0
0	1
1	1
0	1
0	1
2	0
0	1
0	2
0	0
0	4
0	4
0	2
0	0
1	1

0
1
0
1
0
0
0
0
1
3
1
1
0
0
0
0
1
2
2
2
1
0
0
1
1
0
0
0
0
0
1
0
0
0
1
1
0
0
2
0
1
0
2
0
0
1
0
0
0
1
0
0
1
0
0
3

3
0
3
0
1
0
1
0
1
3
0
1
1
1
0
0
0
0
3
1
1
0
0
0
0
0
0
2
5
0
1
1
0
0
5
1
0
3
0
5
4
0
0
0
0
4
0
2
0
0
0
0
5

2
0
2
0
1
1
1
1
0
0
0
0
0
0
1
0
0
1
1
0
1
0
0
1
1
0
0
3
0
0
2
0
1
0
2
0
2
2
2
2
0
1
2
1
0
0
2
0
1
1
2
0

6
2
1
0
0
0
0
0
0
0
0
1
0
0
0
4
0
4
4
4
0
0
1
0
2
0
0
1
2
0
4
0
2
0
0
0
0
0
2
0
0
1
0
0
0
1
0
1
4
0
5
1

1
1
1
0
0
0
1
0
0
1
0
0
0
1
0
0
1
0
0
0
0
2
0
0
2
3
1
0
1
0
0
1
2
0
0
0
0
0
0
0
1
1
2
2
2
0
2
0
0
1
1
0
0
0

3
0
1
0
3
0
0
0
1
0
0
2
2
2
1
3
2
2
2
1
1
0
0
3
1
1
1
0
1
2
1
2
2
0
0
0
0
0
0
0
0
2
0
1
3
1
0
0
0
2
2
2
0
0
2

0
0
0
3
0
2
0
0
0
0
0
0
0
2
1
0
0
4
1
2
1
0
1
0
0
0
0
1
0
1
0
0
0
0
1
1
0
0
0
0
1
0
1
0
0
0
1
0
1
0
0
1
2
0
0

2
2
0
2
0
1
1
0
2
0
1
0
1
0
0
1
0
0
1
3
0
0
0
0
1
0
0
0
0
0
1
1
0
1
1
0
2
1
2
0
0
2
4
1
2
0
1
1
0
1
1
0
0
0
3
0
0

0
1
2
0
0
1
0
1
1
1
1
0
0
0
0
0
1
1
0
1
1
1
1
1
0
0
0
0
2
0
1
0
1
1
0
2
1
0
0
0
0
1
1
1
3
1
1
0
0
1
0
1
0
0
4

0
1
0
0
2
0
0
3
1
1
0
0
1
0
0
2
0
1
2
1
1
1
1
0
0
0
2
4
1
3
0
2
0
1
0
0
0
0
2
0
2
1
1
4
3
0
0
0
1
2
1
1
0
0

0
1
0
0
0
1
0
0
2
0
2
2
0
0
1
0
0
1
0
0
1
0
1
0
0
0
2
0
0
1
0
0
1
0
1
0
0
0
0
0
0
1
1
1
1
0
1
0
0
0
0
1
0
1
0
0

0
0
0
1
0
1
0
0
0
0
1
0
0
0
0
0
0
2
2
0
0
1
0
1
0
1
0
0
3
1
0
0
0
0
2
1
1
0
0
0
2
5
1
1
0
0
0
0
0
0
0
2
1
2
1
3
0

1
0
0
1
3
0
0
0
0
0
1
1
0
1
1
1
0
0
1
1
1
1
1
1
1
0
0
1
0
0
2
0
1
0
0
0
0
0
0
3
1
1
0
0
0
0
0
0
0
0
0
2
1
0
0
1
1

0
0
0
0
0
0
3
0
0
0
0
0
1
0
0
0
0
1
1
1
0
0
1
0
0
1
0
1
0
0
0
0
0
1
0
1
1
2
0
0
1
0
6
1
0
1
1
1
4
1
1
0
0
0

0
0
0
1
1
0
0
1
0
0
0
2
0
1
0
0
1
2
0
1
1
1
0
1
0
0
0
0
0
1
0
0
0
0
2
0
1
0
0
0
1
1
1
1
0
0
0
0
0
2
2
0
0
0
3
0

2
0
0
2
0
0
0
0
0
0
0
0
0
0
1
0
1
3
3
0
0
1
0
0
1
0
0
0
1
1
0
1
0
0
0
1
0
1
0
0
1
0
0
0
0
1
0
1
1
0
0
0
1
1
2
1
1
0
0
0
1
0

1
3
0
1
0
1
0
0
0
2
0
1
0
0
0
0
0
0
3
1
2
0
1
1
1
2
0
1
1
0
0
1
0
1
0
1
0
1
1
3
1
0
0
0
0
0
3
1
1
1
0
0
0
1
1
0

0
4
0
3
0
1
0
0
0
0
1
0
0
2
0
0
2
0
1
1
0
1
0
0
0
0
0
1
1
0
1
0
1
0
0
0
0
1
0
0
0
0
1
0
0
0
0
1
0
3
0
0
0
1
1
0
0

0
0
0
0
0
1
0
0
0
0
1
0
2
0
1
0
1
1
1
0
1
1
0
2
1
1
0
1
0
0
1
0
0
1
1
0
0
0
1
0
1
0
0
0
1
0
0
0
1
0
0
1
1
0
0
1
1
0
0
1
1

0
1
3
0
1
0
0
4
2
2
1
1
1
2
0
0
0
2
0
2
0
0
0
0
1
1
3
0
0
0
1
0
0
1
0
0
1
1
2
0
0
0
1
0
0
0
2
1
1
1
1
0
0
1
0
0
0

0
0
0
1
1
1
4
0
1
1
0
1
0
1
2
0
1
0
1
0
1
0
0
2
1
0
0
0
3
1
0
1
1
0
0
0
0
1
0
0
0
0
0
1
1
0
0
0
0
0
1
0
1
0

0
0
0
0
2
1
0
1
1
1
1
2
1
2
1
0
0
0
0
2
1
1
1
1
1
1
0
0
0
0
1
1
1
1
0
0
0
0
0
1
0
0
0
0
1
2
1
0
0
0
0
0
1
1
2
1
0
0
0

1
0
1
1
1
0
1
0
1
1
0
0
0
0
1
1
0
0
0
0
0
1
0
0
0
1
0
2
2
0
1
0
1
1
1
0
0
0
0
2
0
0
0
0
1
0
1
0
0
0
1
0
0
1
1
0
0

0
1
0
2
1
0
2
2
0
6
0
1
0
0
0
0
1
0
0
0
1
0
0
2
1
0
0
0
2
0
0
3
0
1
0
0
0
0
2
0
0
0
2
0
0
0
0
0
1
1
0
0

0
1
1
0
0
0
0
0
0
0
0
0
0
2
1
1
0
0
0
0
0
1
0
1
0
1
1
1
1
0
1
1
1
1
0
0
1
2
2
1
1
0
1
0
0
3
0
2
1
2
1
1
1
0
1
0
0
0
0

0
1
1
1
0
0
0
1
0
2
4
0
2
5
1
1
0
1
0
1
0
0
0
0
0
2
0
1
0
0
0
0
1
2
0
0
2
2
1
0
0
0
0
0
2
4
0
1
1
0
0
0
0
1
0
4
1

1
0
0
0
2
0
0
0
1
0
0
0
0
0
0
2
0
0
0
1
1
1
1
1
0
1
1
0
0
0
1
1
1
1
1
1
0
1
0
0
0
0
1
1
1
1
1
0
1
0
0
1
0
0
2
1
0

1
0
0
0
3
0
1
0
0
0
0
0
0
0
1
1
1
0
0
0
0
0
0
0
0
0
1
2
2
0
0
5
0
0
0
0
0
1
0
0
6
0
1
0
0
2
0
0
0
0
1
1
0
1
0

0
1
1
1
0
1
0
1
1
0
0
1
0
0
0
2
1
0
0
0
0
0
0
1
1
0
1
0
0
2
0
1
1
1
1
1
0
1
0
1
0
1
0
0
0
1
0
0
0
1
0
0
1

2
3
0
0
0
0
2
0
1
1
1
2
0
3
2
0
0
0
0
0
0
0
0
0
0
1
1
0
2
0
1
1
1
1
0
0
2
1
0
1
2
0
0
0
0
1
0
1
4
0
0
1
1
0
0

0
0
1
0
1
1
0
0
0
0
0
2
0
0
0
1
0
0
1
1
0
0
0
0
1
0
1
1
1
1
1
1
0
0
1
0
0
1
0
0
1
0
0
0
1
0
1
0
0
0
1
1
1
1
0
0
0

0
0
1
0
0
0
0
1
0
0
1
0
1
0
0
3
0
0
0
0
0
0
1
0
0
2
0
1
1
1
1
2
0
0
0
0
0
1
0
0
3
1
1
0
0
2
0
0
4
1
0
0
0

0
1
0
0
0
0
1
1
0
0
1
0
0
0
0
1
0
1
0
1
0
1
0
0
0
0
1
0
0
2
0
0
0
0
1
0
1
0
1
1
1
1
1
0
0
1
0
1
0
0
0
0
0
0
0
0
0
1

0
0
0
0
0
3
1
1
1
0
2
0
0
1
0
0
0
0
2
1
0
0
0
1
1
1
1
0
1
0
0
1
0
0
2
2
2
1
0
0
0
0
0
1
0
2
0
2
1
0
0
0
0
0

0
1
0
0
1
0
1
1
0
1
0
1
0
1
1
1
1
0
1
0
1
0
1
0
0
1
1
1
1
0
1
1
1
1
1
1
0
0
1
2
0
1
0
1
0
1
0
0
1
0
0
1
1
1
1
1
1
0
1

0
0
0
0
0
0
0
0
0
1
1
1
1
0
0
0
0
0
0
0
0
0
0
1
0
0
1
1
1
2
0
1
0
0
0
0
0
1
1
0
0
0
0
2
0
0
1
1
0
2
0
1

0
0
0
0
0
1
0
0
1
0
1
1
1
1
0
1
0
0
0
1
1
0
0
1
0
0
1
0
0
0
0
0
0
0
0
1
0
0
0
0
0
0
1
1
1
1
0
0
0
0
1
0
1
1
1
0
1
0

2
0
0
2
1
2
1
0
0
2
0
0
1
0
0
0
0
2
1
0
0
0
0
0
2
1
0
0
0
0
1
0
0
0
0
2
2
0
4
0
0
0
1
2
0
0
2
1
0
0
0
0
1
2
1
0
0
1
1
1
0
1
0

0
0
0
1
1
0
0
1
1
1
0
0
1
1
2
0
0
1
1
0
0
0
0
0
1
0
0
0
0
1
1
3
0
2
1
0
1
1
0
0
0
2
0
0
0
0
0
0
0
0
0
1
0
0

1
0
0
0
0
0
0
0
0
0
1
0
5
0
0
0
3
0
2
2
1
0
0
0
0
1
2
1
0
2
1
0
1
0
1
0
0
1
0
1
0
0
1
1
1
3
1
1
0
1
0
0
0
0
0
0

1
0
2
0
1
0
0
1
0
0
0
0
0
1
2
2
0
0
0
2
1
0
1
1
1
0
0
0
0
1
0
0
0
0
1
1
1
1
1
0
1
1
0
0
0
0
0
2
0
0
0
0
1
0
3
1
0
1

0
1
1
3
1
1
0
0
1
1
0
1
0
1
0
1
0
1
1
2
3
3
1
0
0
0
0
0
1
2
2
0
0
1
0
1
0
3
0
0
0
0
0
2
0
1
4
0
3
0
0
2
0
2
0

1
0
0
0
0
0
1
1
0
1
0
0
1
1
0
2
0
0
0
1
1
1
1
1
1
0
0
1
0
1
0
1
1
1
0
1
0
0
2
0
1
1
0
0
1
0
0
1
0
0
0
1
1
0
0
1
0
0
0
1
1
0
0
3
1
1
0
1

0
0
0
0
1
0
1
0
0
0
0
0
1
1
1
2
0
1
1
0
1
1
1
1
1
2
1
0
1
0
1
0
0
1
0
0
0
0
0
1
0
0
0
0
2
0
2
0
0
0
3
0
0
4
0
0
1
0

0
0
0
1
0
0
0
0
0
1
1
0
0
1
0
0
1
0
0
0
0
0
1
0
0
0
0
0
1
1
1
1
1
1
0
0
1
0
0
0
0
1
0
1
1
1
0
0
0
1
0
0

0
0
1
0
0
0
0
1
0
0
0
0
1
1
1
1
0
2
0
0
0
0
0
0
0
0
0
1
2
0
0
1
0
0
0
0
1
1
0
0
0
0
0
0
1
0
0
0
0
0
1
0
0
0
1
0
0

1
0
0
0
0
1
1
0
0
1
0
0
0
1
1
0
0
0
1
1
0
0
1
1
0
0
1
1
1
0
1
1
0
0
0
0
1
1
0
0
0
1
1
0
0
2
1
1
0
0

0
0
0
0
0
3
1
3
0
0
0
0
0
1
1
0
0
1
2
0
0
0
0
0
3
0
0
0
1
1
0
0
0
0
0
1
1
1
1
0
5
2
0
0
0
1
0
1
0
0
0
0
1
0

0
0
0
1
1
1
1
0
0
0
2
0
0
0
1
0
0
0
0
1
0
0
0
1
0
0
1
0
1
1
3
0
1
0
0
0
0
1
1
0
1
1
0
0
0
0
1
0
0
0
1
0
0
1
0
0
1
2
0
1
0
1
0

0
0
0
0
1
0
1
3
2
0
1
0
0
0
0
0
0
0
0
1
1
1
0
0
0
4
0
0
0
1
1
0
2
0
0
0
0
0
0
0
0
0
1
1
0
0
0
1
0
0
0
0
0
0
0
0
0
0

1
1
0
0
0
1
1
1
1
1
0
1
0
1
0
0
0
0
1
1
1
1
1
1
0
1
1
1
0
0
0
0
1
1
1
0
1
0
0
0
0
0
1
0
0
1
0
1
0
0
0
0
1
0
1
0
0
0
0

0
0
1
0
1
2
2
1
2
1
1
4
1
1
0
0
0
0
1
1
0
0
0
0
0
0
0
1
1
1
0
1
0
1
0
0
1
0
4
0
0
2
1
0
0
0
0
3
0
1
1
0
0

1
1
0
0
0
0
1
0
0
1
1
1
1
0
0
0
1
0
0
0
1
1
0
0
1
0
1
0
1
0
1
0
0
0
1
0
0
1
0
3
1
1
0
0
1
3
1
1
0
1
1
1
0
0
1
0
1
1
1
1
1
1
0
1

0
0
0
0
0
2
0
1
0
3
1
2
0
0
0
0
1
0
1
1
0
0
0
2
0
0
0
1
1
1
0
2
0
0
0
1
1
1
0
2
0
0
4
0
1
0
2
0
1
2
0
0
1
0
0
0
0
0
0
0
0
1
2

0
1
1
0
1
0
0
0
1
1
1
1
1
1
2
0
0
1
2
0
0
0
1
1
0
0
1
0
1
0
1
0
0
0
1
1
0
0
0
0
1
0
0
0
1
1
0
0
0
1
1
0
0
0

1
0
0
0
0
0
0
1
0
0
3
0
0
2
0
0
1
1
1
0
1
0
0
0
0
3
0
2
2
3
1
1
2
0
0
1
2
0
0
0
0
0
0
1
2
0
2
0
0
0
1
0
1
3
1

1
0
0
1
0
0
0
0
0
0
0
0
0
1
1
1
0
3
0
2
1
1
0
0
0
0
1
0
1
1
0
1
1
1
1
0
0
0
1
0
0
0
1
1
0
0
0
1
0
0
1
0
0
1
1
1
1
0
0

1
1
1
1
1
0
0
0
0
0
2
0
0
0
0
0
0
1
0
2
2
4
0
0
0
1
0
1
0
0
0
0
1
0
0
0
0
1
0
3
0
0
0
0
0
0
1
3
1
0
1
0
0
0
0
0

1
1
0
1
1
0
0
1
1
1
1
0
1
0
1
0
0
0
1
0
1
0
1
0
1
0
0
0
2
0
1
0
1
1
1
1
1
1
2
0
0
0
1
0
0
3
1
1
1
1
1
0
1
0
0
0

0
0
0
1
0
0
1
2
1
2
2
2
1
1
2
2
0
0
0
0
2
0
3
0
0
1
1
1
0
0
3
0
0
0
0
1
0
2
1
0
0
0
0
1
0
1
1
1
0
0
0
2
0
1
0
4

1
2
0
0
0
0
1
0
2
1
1
1
1
0
1
0
0
1
0
0
0
0
0
0
0
0
1
0
0
0
0
1
0
0
1
1
1
1
0
0
0
0
0
0
1
0
0
0
0
2
0
1
1

1
0
0
0
2
4
0
2
0
2
2
2
1
0
0
1
1
0
1
0
0
0
0
4
2
0
0
0
0
0
0
1
1
0
0
2
1
0
1
2
0
0
1
0
0
1
0
0
1
0
0
2
0
1
1
0
0
0

0
1
0
1
1
2
1
0
0
0
0
1
1
0
1
0
0
0
0
1
0
1
1
0
1
0
0
0
1
0
0
0
0
1
1
0
1
1
1
1
1
2
0
0
1
0
0
0
1
1
1
1
1
0
0
0

0
1
0
0
1
2
0
2
0
0
3
0
2
1
0
0
0
0
0
0
1
0
3
0
1
2
0
0
0
3
0
0
1
0
1
0
0
1
1
1
0
0
0
0
1
0
0
1
0
0
0

0
1
0
0
0
0
0
1
1
0
1
1
1
1
2
0
2
0
1
0
0
1
0
0
1
0
1
1
0
1
1
0
1
0
1
0
0
0
1
0
0
0
1
1
1
1
0
0
1
0
1
1
1
0
0
0

0
2
1
3
1
2
1
0
1
1
0
2
2
0
0
2
0
1
0
0
1
0
0
1
0
2
0
0
2
0
3
0
1
0
1
0
0
0
0
0
1
1
1
0
0
0
0
0
0
2
1
2
0
1
0

2
0
0
1
0
0
0
0
0
0
0
0
1
0
1
0
0
0
0
0
1
1
1
1
1
0
1
1
0
0
0
0
1
0
0
1
0
0
0
0
0
1
0
0
0
0
1
0
1
2
0
1
0
0
0

0
1
0
0
0
0
0
1
1
1
0
1
0
0
0
0
1
1
1
2
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
1
1
1
0
0
1
0
0
0
0
0
1
1
1
3
0
0
0
0

0
0
0
1
0
0
1
1
0
1
1
1
1
1
1
1
0
0
0
1
1
1
0
0
1
1
0
0
0
1
1
0
1
0
0
1
0
1
1
1
1
1
1
0
0
1
0
0

1
0
1
3
0
1
0
0
0
1
0
2
0
0
1
1
0
0
0
1
0
1
0
1
0
1
0
0
1
0
0
1
0
0
1
0
0
2
2
1
0
3
0
0
0
0
0
1
2
0
0
0
0
1
4

2
1
0
0
0
0
0
0
1
0
1
1
1
0
0
1
0
0
0
0
0
1
1
0
0
0
0
1
0
1
0
1
1
1
0
0
2
1
1
1
2
1
1
1
1
1
0
0
0
1
0
1
2
0
1
2
1

0
0
2
1
0
0
1
0
2
2
3
0
1
2
2
0
2
4
1
2
0
0
1
1
0
0
0
1
0
1
0
1
0
1
0
0
0
0
1
1
1
4
1
0
0
2
0
0
0
0
0
0
0
0

1
0
0
0
1
1
0
0
0
0
0
1
0
1
0
1
0
0
0
0
1
1
0
1
0
0
0
0
1
1
0
1
2
1
1
1
0
1
0
1
1
0
0
1
0
0
0
0
0
1
1

1
0
0
1
0
2
0
0
0
0
1
3
0
0
2
0
0
0
0
0
1
0
2
0
0
0
0
0
2
0
0
0
0
1
0
1
1
0
0
0
4
0
0
1
0
0
0
0
0
0
0
3
0
0
1

0
0
1
0
1
0
0
1
0
0
1
0
1
0
0
0
0
1
0
0
0
0
1
0
1
0
1
1
0
1
1
0
0
0
0
1
0
0
1
0
0
2
0
1
0
0
0
2
1
1
1
1
0
0
0
0
1
1

2
1
0
3
2
1
0
0
0
0
0
1
0
0
0
0
2
0
0
0
1
3
0
1
1
0
0
0
0
0
2
0
2
2
0
1
0
2
0
2
0
0
1
0
2
2
0
0
0
0
0
1
0
0

0
0
2
1
0
0
0
0
0
0
0
2
0
0
0
1
1
1
1
1
0
1
0
1
1
1
0
0
0
1
1
0
1
1
1
0
0
0
0
0
0
1
0
1
1
1
0
1
0
0
0
0
1
0
1
1
1
0
0
2

1
0
2
0
2
0
0
0
0
0
0
0
1
0
0
0
1
0
0
1
1
2
1
1
1
1
0
0
0
1
0
0
1
2
0
0
0
0
0
0
0
0
1
0
1
1
1
0
1
0

0
1
0
0
0
1
0
0
0
1
0
0
1
0
0
1
1
1
3
1
0
1
0
1
1
0
0
0
2
0
0
0
0
1
0
1
0
0
0
0
0
0
1
0
0
2
1
1
1
0
0
0
0
0
0
0
0
0
0

0
0
4
1
1
1
1
2
0
0
0
0
0
0
0
0
0
1
0
0
0
2
0
0
1
1
0
1
1
0
1
0
2
0
0
0
0
1
1
3
1
0
1
0
1
1
0
1
1
0
0
0
0

0
0
0
0
0
0
0
0
0
5
0
0
1
0
0
0
2
0
1
0
1
0
0
1
1
0
0
0
1
0
1
0
1
0
1
1
1
1
0
1
1
0
0
2
0
0
1
0
1
1
1
1
0
0
2
1
0
1

0
0
0
1
0
0
0
2
1
1
0
1
1
0
0
0
0
1
0
1
0
0
1
1
1
0
0
0
0
0
0
3
0
1
0
0
1
0
0
2
0
0
1
2
1
4
0
0
0
0
0
0
0
0
0

3
2
0
0
0
0
0
0
0
0
0
0
1
1
1
1
1
1
0
1
0
1
0
0
0
0
1
2
1
1
0
0
0
0
1
0
0
0
0
0
0
1
0
0
1
1
0
1
0
1
0
1
1
3
0
1
1
1
0
0

0
2
2
0
1
2
2
0
1
0
0
1
0
0
0
2
2
0
1
1
1
1
0
0
1
0
1
0
2
7
0
0
0
0
1
0
0
1
0
0
1
2
1
2
1
2
1
0
2

0
0
1
1
0
1
0
1
0
1
1
1
1
1
0
0
0
0
0
0
0
1
0
1
0
0
0
0
0
0
0
2
1
1
0
0
0
0
1
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
1
0
0
0

1
0
0
0
0
1
0
0
0
0
1
2
3
0
0
0
0
1
1
1
0
0
1
0
0
0
0
0
0
0
0
0
0
1
4
0
1
0
1
0
0
0
0
0
0
0
0
0
0
0
1
0
0
2
0
0
0
0
0

1
0
0
0
0
0
0
0
1
1
2
1
1
1
0
0
0
3
0
1
0
0
0
0
0
0
0
0
0
1
0
0
0
0
0
0
0
0
1
1
0
0
2
0
0
1
1
0
0
2
1
1
0
0
1

1
0
0
1
0
1
0
0
0
0
0
0
0
1
1
0
0
0
2
3
0
0
1
0
0
1
2
1
1
1
1
1
0
0
0
1
1
0
0
3
0
0
1
1
0
0
0
1
1
0
1
3
0
0
1
1
0
0

0
0
1
1
1
0
0
0
0
1
1
0
0
1
1
0
0
0
0
0
1
1
0
0
0
0
0
1
0
1
1
1
1
1
1
1
1
1
1
0
1
0
1
0
0
1
1
1
0
0
1
1
1
0
1

0
0
1
0
1
1
2
1
3
0
2
1
0
1
1
2
0
0
0
1
1
0
0
0
2
2
1
0
2
2
1
1
1
1
0
1
1
1
1
2
2
2
0
0
0
0
0
5
3
1
2
1
0
1
1
1

1
0
0
0
1
0
1
0
1
1
1
1
1
0
1
0
0
1
0
0
0
1
0
0
1
1
1
1
0
1
0
1
0
0
0
2
1
0
0
0
0
2
1
1
0
1
0
0
2
0
0
0

1
0
1
0
0
0
0
1
1
2
1
1
0
1
1
0
0
0
0
1
0
0
2
0
4
1
0
0
1
0
1
1
1
0
1
1
0
1
2
0
1
0
0
0
1
1
1
0
0
3
1
2
1
0
0

0
0
0
0
0
0
1
1
1
1
1
0
0
0
0
0
1
0
1
1
1
0
1
0
2
0
0
0
0
0
1
0
0
0
0
1
0
0
0
0
0
0
0
0
0
0
2
0
0
0
0
0
0
0
0
1
1
1
0

0
0
1
0
3
0
0
0
0
0
2
1
1
0
1
0
0
1
0
1
1
1
2
3
1
21
1
1
0
1
0
0
0
0
0
2
0
0
3
0
1
2
0
0
0
0
0
0
0
0
0
1
0
1
0

0
2
1
1
0
0
1
0
0
0
0
1
0
0
0
0
0
1
1
1
1
2
1
0
0
0
1
0
1
0
0
0
0
0
1
0
0
1
0
0
1
0
0
0
0
1
1
0
0
0
0
1
0

2
0
2
0
1
1
1
0
1
0
1
1
1
1
0
2
2
2
1
0
0
0
2
0
0
0
0
0
0
0
0
2
2
2
0
1
1
0
2
0
0
0
1
1
2
1
2
0
0
3
1
1
1
1
2
0
0

0
0
0
1
0
0
1
0
0
0
0
0
0
0
0
0
0
2
0
0
0
0
0
1
1
1
1
0
1
2
0
1
1
1
0
0
3
0
0
0
0
1
0
1
1
1
1
0
1
0
0
0
0
1
0
1
0

0
0
1
0
0
1
2
2
0
0
0
1
0
0
0
0
1
0
1
1
1
0
0
1
0
1
1
0
0
0
2
2
0
1
1
0
0
0
0
2
1
0
1
0
0
1
0
0
1
0
0
0
3
2
2
2
2
1

0
1
0
0
0
1
0
1
0
0
0
0
1
1
0
1
2
0
1
0
0
0
1
0
0
0
0
0
1
0
0
1
2
0
0
1
0
0
1
1
0
1
1
0
1
0
0
0
0
1
0
0
1
0
0
1

0
1
1
2
0
1
0
0
0
1
1
2
0
0
2
3
0
0
0
4
1
1
1
1
0
0
0
0
0
0
0
1
0
0
0
0
2
0
2
1
1
0
5
0
2
1
1
0
0
0
0
0
0
1
5

0
0
2
0
0
0
0
0
1
0
0
1
0
2
0
0
0
0
0
0
0
0
0
0
0
0
1
1
1
1
0
1
0
0
1
0
0
0
0
0
0
1
0
1
1
1
1
1
0
0
1
0
0
0
0

2
1
2
1
5
0
0
0
0
1
0
2
0
0
1
1
1
1
1
0
1
0
1
1
1
1
0
1
1
0
0
1
0
2
1
2
0
1
1
1
1
0
0
0
1
2
1
1
1
0
0
2
0
0
1

1
0
0
0
1
1
0
1
0
0
0
0
0
0
0
0
0
1
0
0
0
2
0
1
0
0
0
0
1
0
1
0
1
0
1
1
0
0
0
1
0
0
0
0
1
0
0
0
1
1
0
0
1
0
1
0
1
0
0
2
1

2
0
0
1
0
3
1
2
0
0
0
1
0
1
0
1
2
0
2
0
2
2
0
0
0
0
0
1
3
2
0
2
0
0
0
0
1
0
0
1
0
0
0
2
2
0
3
0
0
1
1
3
0
0
0
0
1
4
1
0

0
0
0
0
2
0
0
0
1
0
0
1
1
0
0
0
0
1
0
0
0
1
0
0
0
0
0
0
0
0
0
1
0
0
0
0
0
1
0
0
0
0
1
1
2
1
0
0
0
1
1
0
0

1
1
0
1
0
0
2
5
0
2
1
0
0
0
1
0
1
1
1
1
0
1
0
0
0
0
1
2
0
0
0
1
0
0
2
0
0
1
2
0
0
1
2
0
4
0
0
1
1
0
1
1
4
1

0
0
0
0
1
0
0
0
1
0
0
0
0
1
0
0
0
0
0
1
0
0
0
0
0
1
0
0
1
0
0
0
0
0
0
0
0
0
0
1
1
0
0
0
0
1
0
0
0
0
0
1
0
1
0
0

1
1
0
0
3
0
1
0
0
0
1
0
1
0
0
1
1
1
2
1
1
1
1
3
1
0
0
3
1
2
1
1
3
0
0
1
4
3
5
0
1
0
0
1
2
0
0
0
1
0
0
0
1
1
0
0
1
1

0
1
1
1
1
1
0
0
0
2
0
2
1
0
0
0
0
0
1
0
0
1
1
0
1
0
1
1
0
0
0
0
0
0
1
0
0
1
1
0
1
0
0
0
0
0
0
1
0
0
1
1
1
0

0
0
0
3
4
0
0
0
0
0
1
0
0
0
0
0
1
3
0
2
0
2
0
0
2
0
0
0
1
0
2
0
0
1
0
3
0
3
3
0
0
0
0
2
0
0
0
0
1
0
0
0
0
0
0
0

0
1
1
0
0
1
1
0
0
0
1
0
1
0
0
0
0
0
0
0
1
0
0
0
0
1
1
0
1
1
0
0
1
0
0
0
0
0
0
0
0
1
1
1
1
0
0
1
0
0
0
0
1
0
0
0
1
0
0
0

3
3
0
1
0
1
1
1
0
1
1
1
1
0
0
1
1
1
1
0
0
1
1
1
1
0
0
1
1
0
0
0
1
1
0
0
1
1
0
0
0
3
1
0
0
2
0
1
0
1
0
1
0
0
0
0
0
1
0
1
2
2

0
0
1
0
0
0
0
1
1
0
0
0
0
1
1
0
0
0
0
0
1
0
1
2
0
0
1
0
0
0
0
0
0
1
0
0
0
0
0
1
0
0
0
1
0
0
1
0
0
0
1
0
0
0
1
0
0
0
1
0
0
0
0
1

0
2
1
2
0
0
1
0
1
0
0
0
2
1
0
1
0
0
1
0
0
1
0
1
1
1
0
6
0
0
4
0
1
0
1
1
0
0
0
1
0
3
1
0
0
0
0
0
0
0
1
1
0
0
0
0
1
1
0
0

1
2
0
0
0
0
0
0
0
0
0
0
0
1
0
0
1
1
0
0
0
1
0
0
1
0
1
1
1
0
2
2
0
0
0
0
0
0
1
0
0
0
0
1
1
1
0
0
0
0
1
0
0
1
1
1
0
0
0
1
0
1
1
0
0

0
1
0
1
0
1
1
0
0
2
0
1
1
0
1
1
1
1
0
0
0
0
3
1
1
0
0
3
1
1
0
1
1
0
2
0
0
1
1
0
2
1
0
2
1
1
0
0
1
1
1
2
0
0
2
1

0
0
0
1
1
0
1
1
1
1
0
1
1
1
0
0
0
0
0
0
0
1
0
1
1
0
0
0
0
0
0
0
0
0
0
0
0
0
0
1
2
0
0
0
1
0
0
0
1
1
1
1
0
1
1
0
0

0
0
0
1
0
0
0
1
0
0
0
1
2
0
1
0
1
0
4
0
2
0
0
1
3
1
0
2
2
2
0
0
1
1
3
0
1
0
1
0
0
0
1
1
1
1
1
1
3
1
1
3
0

0
0
1
0
0
0
0
0
0
1
0
0
0
0
1
0
0
1
0
0
0
0
0
0
1
0
0
0
0
1
0
0
0
0
0
0
1
1
1
1
0
0
0
0
0
0
1
1
0
0
0
0
0
0
1
1
0
0
1

0
1
0
0
0
0
0
0
0
0
0
0
1
0
1
1
0
1
1
0
1
1
0
0
0
0
0
1
1
1
1
0
2
0
0
1
1
1
0
0
2
0
2
0
0
0
1
1
0
0
2
0
0
1
0

0
0
1
2
0
1
0
0
0
1
0
1
1
0
0
0
1
0
1
0
0
0
0
0
1
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
1
1
0
1
0
1
0
1
0
0
0
0
0
1
2
1
0
0
0

0
1
2
1
1
1
0
0
2
0
0
0
0
0
0
3
4
1
0
0
0
1
0
0
0
0
1
1
0
0
1
0
0
0
0
0
1
0
1
2
0
1
2
0
0
5
0
0
1
1
1
0
1

0
0
0
0
0
1
1
4
0
1
1
1
0
0
0
0
1
0
2
0
0
1
0
0
0
1
0
1
1
0
0
0
0
0
1
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
2
0
0
1
0
0
1
0

1
0
1
0
1
2
0
1
0
0
0
0
0
3
2
1
0
0
0
0
0
3
2
0
0
0
0
1
0
0
2
0
1
2
0
1
2
0
3
0
0
1
1
0
0
0
0
0
0
1
0
1
0
0
0

2
0
0
0
0
2
0
1
1
1
1
0
1
1
1
1
1
1
1
1
1
1
0
1
1
1
1
0
1
1
1
1
1
1
1
1
1
0
1
0
0
0
2
1
1
0
0
0
1
0
0
0
0
1
0
0

0
0
0
1
0
0
0
0
0
0
0
3
0
3
0
0
1
1
0
2
1
2
0
2
2
0
0
0
0
1
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
1
0
0
0
0
0
0
0
0
0
0
1
0

1
0
0
0
0
1
0
0
0
1
0
0
1
1
0
1
0
1
0
1
0
0
0
0
0
0
1
0
0
1
1
2
0
0
1
1
0
0
0
0
0
1
0
1
0
0
0
0
0
0
1
0
1
0
0
0
0
1
0
1
0
0
0

1
0
0
2
0
1
0
0
1
0
0
0
1
2
0
0
1
1
0
0
0
0
0
1
0
0
0
1
1
0
0
0
0
1
0
0
2
0
0
2
0
0
0
0
0
0
0
0
2
0
1
1
0

0
0
0
1
0
1
1
0
0
0
1
0
0
0
0
0
0
0
0
0
0
0
0
0
0
1
1
0
0
0
0
2
0
1
0
0
0
0
0
0
1
0
0
0
0
0
0
0
0
0
0
0
0
0
1
1
0
0
1
0
0
1

0
0
1
0
1
2
1
0
2
1
0
0
0
1
0
1
1
0
1
0
0
0
0
2
0
0
0
1
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
2
1
0
2
0
0
1
0
1
1

1
1
2
1
1
1
0
0
0
0
0
2
0
1
0
0
1
0
0
1
0
1
0
1
4
0
0
0
0
1
0
0
0
0
0
1
0
1
0
0
1
0
1
0
0
0
0
0
0
0
0
1
1
1
1
1
0

0
0
1
0
0
0
0
0
0
0
2
0
1
1
0
0
0
0
2
2
2
0
1
0
0
0
1
5
2
0
0
0
3
0
0
0
0
0
0
1
0
0
1
1
2
0
3
0
0
0

1
1
0
1
0
1
0
0
0
0
0
0
0
0
0
0
1
0
1
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
1
0
0
1
0
1
0
0
0
0
1
0
0
1
1
1
1
0
0
0
0
1

1
0
0
2
0
1
0
2
0
1
0
0
1
0
0
1
0
1
0
0
0
0
0
0
1
1
0
0
1
0
0
0
0
0
1
1
0
0
0
0
2
0
2
0
0
0
0
1
1
2
1
0
0

0
1
0
1
1
0
0
0
0
0
0
0
0
0
0
1
0
1
0
0
0
0
1
1
0
1
0
1
0
1
1
1
0
1
0
0
1
1
2
0
1
0
0
0
0
1
0
0
0
0
1
0
0
1
0
0
0
1

0
1
0
0
0
0
0
1
0
0
0
0
2
0
0
1
0
0
0
0
0
0
3
1
2
2
0
2
0
0
0
0
0
1
0
3
2
1
2
0
1
0
1
0
0
0
0
0
0
2
0
0
0
0
0
0
1

1
1
1
1
1
0
0
0
1
0
1
1
0
0
0
0
1
0
0
0
1
0
0
1
1
0
0
2
1
0
0
0
0
0
0
0
0
1
0
0
1
0
1
1
1
1
0
0
0
0
1
1
0
1

0
0
0
0
2
0
1
0
2
0
0
0
0
0
1
2
0
0
0
0
3
0
1
0
2
1
0
0
0
0
0
0
1
1
0
0
3
0
0
0
0
0
0
1
1
0
1
1
0
0
0
0
0
0
0
1

1
0
0
1
1
0
0
1
1
1
1
1
0
0
0
0
1
1
0
0
0
1
0
1
1
1
1
0
0
2
0
0
2
1
1
1
1
0
0
2
0
0
1
0
0
1
1
1
0
2
1
2
0
0
0
0

1
1
0
0
1
1
0
0
0
1
0
0
0
0
3
0
0
1
1
0
0
0
0
0
0
1
0
0
0
0
0
1
0
0
0
0
1
0
0
0
0
0
1
0
0
2
1
0
0
1
2
2
1
0
0
1
0
0
0
0
1
0
0
2
0

1
0
1
1
0
0
0
0
0
0
0
0
0
1
1
1
1
0
1
0
0
1
1
0
0
1
1
0
0
1
0
0
1
0
0
0
0
1
0
0
1
1
0
1
1
0
1
0
0
0
1

0
1
1
0
0
1
0
0
0
0
1
0
1
0
0
0
0
0
0
3
0
0
0
0
2
0
0
0
0
0
0
0
0
1
0
0
1
0
0
0
0
1
0
3
0
0
0
0
0
0
0
0
1
1
0
0

0
1
1
1
0
0
0
0
0
0
1
1
0
1
0
0
1
0
0
1
0
1
0
0
2
0
0
0
0
0
0
1
0
0
0
1
1
0
0
0
0
1
0
0
0
2
1
0
1
1
1
0
0
0
0

0
1
0
0
0
0
0
0
0
0
0
1
0
0
0
0
2
0
2
0
0
0
0
0
1
1
0
0
0
0
1
1
0
1
1
0
0
0
0
1
1
1
0
0
0
0
0
1
1
0
0
1
1
0
0

0
1
0
0
1
1
1
0
0
0
0
0
0
0
0
0
0
0
0

0
0
0
0
0
0
1
0
0
0
0
0
0
0
0
0
0
0
0

Representative miRNA	Cumulative Total	Aggregate PCT
hsa-miR-1252-5p	-2.01	-2.01 N/A
hsa-miR-1252-5p	-1.65	-1.65 N/A
hsa-miR-1252-5p	-1.09	-1.09 N/A
hsa-miR-1252-5p	-1.03	-1.03 N/A
hsa-miR-1252-5p	-1	-1 N/A
hsa-miR-1252-5p	-0.98	-0.98 N/A
hsa-miR-1252-5p	-0.93	-0.93 N/A
hsa-miR-1252-5p	-0.91	-0.91 N/A
hsa-miR-1252-5p	-0.88	-1.14 N/A
hsa-miR-1252-5p	-0.85	-0.85 N/A
hsa-miR-1252-5p	-0.8	-0.8 N/A
hsa-miR-1252-5p	-0.8	-0.8 N/A
hsa-miR-1252-5p	-0.79	-0.79 N/A
hsa-miR-1252-5p	-0.77	-0.77 N/A
hsa-miR-1252-5p	-0.77	-0.86 N/A
hsa-miR-1252-5p	-0.74	-0.74 N/A
hsa-miR-1252-5p	-0.73	-0.73 N/A
hsa-miR-1252-5p	-0.72	-0.91 N/A
hsa-miR-1252-5p	-0.71	-0.71 N/A
hsa-miR-1252-5p	-0.7	-0.72 N/A
hsa-miR-1252-5p	-0.69	-1.11 N/A
hsa-miR-1252-5p	-0.69	-0.69 N/A
hsa-miR-1252-5p	-0.69	-0.78 N/A
hsa-miR-1252-5p	-0.68	-0.68 N/A
hsa-miR-1252-5p	-0.68	-0.94 N/A
hsa-miR-1252-5p	-0.66	-0.66 N/A
hsa-miR-1252-5p	-0.66	-0.7 N/A
hsa-miR-1252-5p	-0.65	-1.43 N/A
hsa-miR-1252-5p	-0.65	-0.65 N/A
hsa-miR-1252-5p	-0.64	-0.64 N/A
hsa-miR-1252-5p	-0.64	-0.64 N/A
hsa-miR-1252-5p	-0.64	-0.65 N/A
hsa-miR-1252-5p	-0.63	-0.63 N/A
hsa-miR-1252-5p	-0.63	-0.63 N/A
hsa-miR-1252-5p	-0.63	-0.63 N/A
hsa-miR-1252-5p	-0.62	-0.62 N/A
hsa-miR-1252-5p	-0.62	-0.62 N/A
hsa-miR-1252-5p	-0.61	-0.61 N/A
hsa-miR-1252-5p	-0.61	-0.63 N/A
hsa-miR-1252-5p	-0.6	-0.64 N/A
hsa-miR-1252-5p	-0.6	-0.6 N/A
hsa-miR-1252-5p	-0.6	-0.69 N/A
hsa-miR-1252-5p	-0.59	-0.59 N/A
hsa-miR-1252-5p	-0.59	-0.65 N/A
hsa-miR-1252-5p	-0.59	-0.59 N/A
hsa-miR-1252-5p	-0.59	-0.59 N/A
hsa-miR-1252-5p	-0.58	-0.58 N/A
hsa-miR-1252-5p	-0.57	-0.57 N/A
hsa-miR-1252-5p	-0.57	-0.58 N/A
hsa-miR-1252-5p	-0.57	-0.64 N/A
hsa-miR-1252-5p	-0.57	-0.57 N/A
hsa-miR-1252-5p	-0.57	-0.61 N/A
hsa-miR-1252-5p	-0.57	-0.57 N/A

hsa-miR-1252-5p	-0.57	-0.57 N/A
hsa-miR-1252-5p	-0.56	-0.56 N/A
hsa-miR-1252-5p	-0.56	-0.56 N/A
hsa-miR-1252-5p	-0.56	-0.6 N/A
hsa-miR-1252-5p	-0.56	-0.56 N/A
hsa-miR-1252-5p	-0.55	-0.55 N/A
hsa-miR-1252-5p	-0.55	-0.55 N/A
hsa-miR-1252-5p	-0.55	-0.55 N/A
hsa-miR-1252-5p	-0.54	-0.58 N/A
hsa-miR-1252-5p	-0.54	-0.54 N/A
hsa-miR-1252-5p	-0.54	-0.59 N/A
hsa-miR-1252-5p	-0.54	-0.54 N/A
hsa-miR-1252-5p	-0.53	-0.53 N/A
hsa-miR-1252-5p	-0.53	-0.53 N/A
hsa-miR-1252-5p	-0.53	-0.53 N/A
hsa-miR-1252-5p	-0.53	-0.53 N/A
hsa-miR-1252-5p	-0.53	-0.53 N/A
hsa-miR-1252-5p	-0.53	-0.53 N/A
hsa-miR-1252-5p	-0.53	-0.53 N/A
hsa-miR-1252-5p	-0.53	-0.53 N/A
hsa-miR-1252-5p	-0.53	-0.53 N/A
hsa-miR-1252-5p	-0.53	-0.53 N/A
hsa-miR-1252-5p	-0.53	-0.56 N/A
hsa-miR-1252-5p	-0.52	-0.52 N/A
hsa-miR-1252-5p	-0.52	-0.52 N/A
hsa-miR-1252-5p	-0.52	-0.52 N/A
hsa-miR-1252-5p	-0.52	-0.52 N/A
hsa-miR-1252-5p	-0.51	-0.52 N/A
hsa-miR-1252-5p	-0.51	-0.51 N/A
hsa-miR-1252-5p	-0.5	-0.52 N/A
hsa-miR-1252-5p	-0.5	-0.5 N/A
hsa-miR-1252-5p	-0.5	-0.51 N/A
hsa-miR-1252-5p	-0.5	-0.5 N/A
hsa-miR-1252-5p	-0.5	-0.71 N/A
hsa-miR-1252-5p	-0.5	-0.5 N/A
hsa-miR-1252-5p	-0.5	-0.51 N/A
hsa-miR-1252-5p	-0.5	-0.5 N/A
hsa-miR-1252-5p	-0.5	-0.51 N/A
hsa-miR-1252-5p	-0.49	-0.49 N/A
hsa-miR-1252-5p	-0.49	-0.49 N/A
hsa-miR-1252-5p	-0.49	-0.49 N/A
hsa-miR-1252-5p	-0.49	-0.49 N/A
hsa-miR-1252-5p	-0.49	-0.62 N/A
hsa-miR-1252-5p	-0.49	-0.49 N/A
hsa-miR-1252-5p	-0.49	-0.49 N/A
hsa-miR-1252-5p	-0.48	-0.48 N/A
hsa-miR-1252-5p	-0.48	-0.6 N/A
hsa-miR-1252-5p	-0.48	-0.48 N/A
hsa-miR-1252-5p	-0.48	-0.49 N/A
hsa-miR-1252-5p	-0.48	-0.48 N/A
hsa-miR-1252-5p	-0.48	-0.49 N/A
hsa-miR-1252-5p	-0.47	-0.47 N/A
hsa-miR-1252-5p	-0.47	-0.47 N/A
hsa-miR-1252-5p	-0.47	-0.47 N/A
hsa-miR-1252-5p	-0.47	-0.47 N/A

hsa-miR-1252-5p	-0.47	-0.49 N/A
hsa-miR-1252-5p	-0.47	-0.47 N/A
hsa-miR-1252-5p	-0.47	-0.51 N/A
hsa-miR-1252-5p	-0.47	-0.64 N/A
hsa-miR-1252-5p	-0.47	-0.47 N/A
hsa-miR-1252-5p	-0.47	-0.47 N/A
hsa-miR-1252-5p	-0.46	-0.49 N/A
hsa-miR-1252-5p	-0.46	-0.81 N/A
hsa-miR-1252-5p	-0.46	-0.78 N/A
hsa-miR-1252-5p	-0.46	-0.51 N/A
hsa-miR-1252-5p	-0.46	-0.46 N/A
hsa-miR-1252-5p	-0.46	-0.46 N/A
hsa-miR-1252-5p	-0.46	-0.46 N/A
hsa-miR-1252-5p	-0.46	-0.46 N/A
hsa-miR-1252-5p	-0.46	-0.46 N/A
hsa-miR-1252-5p	-0.46	-0.46 N/A
hsa-miR-1252-5p	-0.46	-0.8 N/A
hsa-miR-1252-5p	-0.46	-0.46 N/A
hsa-miR-1252-5p	-0.45	-0.45 N/A
hsa-miR-1252-5p	-0.45	-0.45 N/A
hsa-miR-1252-5p	-0.45	-0.45 N/A
hsa-miR-1252-5p	-0.45	-0.45 N/A
hsa-miR-1252-5p	-0.45	-0.45 N/A
hsa-miR-1252-5p	-0.45	-0.46 N/A
hsa-miR-1252-5p	-0.45	-0.45 N/A
hsa-miR-1252-5p	-0.45	-0.46 N/A
hsa-miR-1252-5p	-0.44	-0.57 N/A
hsa-miR-1252-5p	-0.44	-0.44 N/A
hsa-miR-1252-5p	-0.44	-0.44 N/A
hsa-miR-1252-5p	-0.44	-0.82 N/A
hsa-miR-1252-5p	-0.44	-0.44 N/A
hsa-miR-1252-5p	-0.44	-0.44 N/A
hsa-miR-1252-5p	-0.43	-0.46 N/A
hsa-miR-1252-5p	-0.43	-0.43 N/A
hsa-miR-1252-5p	-0.43	-0.43 N/A
hsa-miR-1252-5p	-0.43	-0.43 N/A
hsa-miR-1252-5p	-0.43	-0.43 N/A
hsa-miR-1252-5p	-0.43	-0.43 N/A
hsa-miR-1252-5p	-0.43	-0.43 N/A
hsa-miR-1252-5p	-0.43	-0.43 N/A
hsa-miR-1252-5p	-0.43	-0.43 N/A
hsa-miR-1252-5p	-0.43	-0.79 N/A
hsa-miR-1252-5p	-0.43	-0.55 N/A
hsa-miR-1252-5p	-0.43	-0.47 N/A
hsa-miR-1252-5p	-0.43	-0.76 N/A
hsa-miR-1252-5p	-0.43	-0.43 N/A
hsa-miR-1252-5p	-0.43	-0.43 N/A
hsa-miR-1252-5p	-0.42	-0.42 N/A
hsa-miR-1252-5p	-0.42	-0.42 N/A
hsa-miR-1252-5p	-0.42	-0.43 N/A
hsa-miR-1252-5p	-0.42	-0.42 N/A
hsa-miR-1252-5p	-0.42	-0.44 N/A
hsa-miR-1252-5p	-0.42	-0.42 N/A
hsa-miR-1252-5p	-0.42	-0.45 N/A
hsa-miR-1252-5p	-0.42	-0.61 N/A

hsa-miR-1252-5p	-0.42	-0.78 N/A
hsa-miR-1252-5p	-0.42	-0.42 N/A
hsa-miR-1252-5p	-0.42	-0.42 N/A
hsa-miR-1252-5p	-0.42	-0.42 N/A
hsa-miR-1252-5p	-0.41	-0.68 N/A
hsa-miR-1252-5p	-0.41	-0.41 N/A
hsa-miR-1252-5p	-0.41	-0.41 N/A
hsa-miR-1252-5p	-0.41	-0.41 N/A
hsa-miR-1252-5p	-0.41	-0.45 N/A
hsa-miR-1252-5p	-0.41	-0.44 N/A
hsa-miR-1252-5p	-0.41	-0.5 N/A
hsa-miR-1252-5p	-0.41	-0.41 N/A
hsa-miR-1252-5p	-0.41	-0.72 N/A
hsa-miR-1252-5p	-0.41	-0.43 N/A
hsa-miR-1252-5p	-0.41	-0.41 N/A
hsa-miR-1252-5p	-0.41	-0.5 N/A
hsa-miR-1252-5p	-0.41	-0.42 N/A
hsa-miR-1252-5p	-0.41	-0.41 N/A
hsa-miR-1252-5p	-0.41	-0.41 N/A
hsa-miR-1252-5p	-0.4	-0.46 N/A
hsa-miR-1252-5p	-0.4	-0.4 N/A
hsa-miR-1252-5p	-0.4	-0.49 N/A
hsa-miR-1252-5p	-0.4	-0.4 N/A
hsa-miR-1252-5p	-0.4	-0.4 N/A
hsa-miR-1252-5p	-0.4	-0.4 N/A
hsa-miR-1252-5p	-0.4	-0.4 N/A
hsa-miR-1252-5p	-0.4	-0.48 N/A
hsa-miR-1252-5p	-0.4	-0.65 N/A
hsa-miR-1252-5p	-0.4	-0.4 N/A
hsa-miR-1252-5p	-0.4	-0.61 N/A
hsa-miR-1252-5p	-0.4	-0.55 N/A
hsa-miR-1252-5p	-0.4	-0.41 N/A
hsa-miR-1252-5p	-0.4	-0.4 N/A
hsa-miR-1252-5p	-0.4	-0.4 N/A
hsa-miR-1252-5p	-0.4	-0.4 N/A
hsa-miR-1252-5p	-0.4	-0.41 N/A
hsa-miR-1252-5p	-0.4	-0.4 N/A
hsa-miR-1252-5p	-0.39	-0.39 N/A
hsa-miR-1252-5p	-0.39	-0.42 N/A
hsa-miR-1252-5p	-0.39	-0.39 N/A
hsa-miR-1252-5p	-0.39	-0.39 N/A
hsa-miR-1252-5p	-0.39	-0.39 N/A
hsa-miR-1252-5p	-0.39	-0.39 N/A
hsa-miR-1252-5p	-0.39	-0.55 N/A
hsa-miR-1252-5p	-0.39	-0.83 N/A
hsa-miR-1252-5p	-0.39	-0.48 N/A
hsa-miR-1252-5p	-0.39	-0.61 N/A
hsa-miR-1252-5p	-0.39	-0.48 N/A
hsa-miR-1252-5p	-0.39	-0.39 N/A
hsa-miR-1252-5p	-0.38	-0.56 N/A
hsa-miR-1252-5p	-0.38	-0.38 N/A
hsa-miR-1252-5p	-0.38	-0.38 N/A
hsa-miR-1252-5p	-0.38	-0.38 N/A
hsa-miR-1252-5p	-0.38	-0.38 N/A
hsa-miR-1252-5p	-0.38	-0.4 N/A

hsa-miR-1252-5p	-0.38	-0.38 N/A
hsa-miR-1252-5p	-0.38	-0.38 N/A
hsa-miR-1252-5p	-0.38	-0.42 N/A
hsa-miR-1252-5p	-0.38	-0.44 N/A
hsa-miR-1252-5p	-0.38	-0.38 N/A
hsa-miR-1252-5p	-0.38	-0.38 N/A
hsa-miR-1252-5p	-0.38	-0.38 N/A
hsa-miR-1252-5p	-0.38	-0.53 N/A
hsa-miR-1252-5p	-0.38	-0.38 N/A
hsa-miR-1252-5p	-0.38	-0.38 N/A
hsa-miR-1252-5p	-0.38	-0.38 N/A
hsa-miR-1252-5p	-0.38	-0.51 N/A
hsa-miR-1252-5p	-0.38	-0.44 N/A
hsa-miR-1252-5p	-0.38	-0.38 N/A
hsa-miR-1252-5p	-0.38	-0.38 N/A
hsa-miR-1252-5p	-0.38	-0.38 N/A
hsa-miR-1252-5p	-0.37	-0.61 N/A
hsa-miR-1252-5p	-0.37	-0.48 N/A
hsa-miR-1252-5p	-0.37	-0.37 N/A
hsa-miR-1252-5p	-0.37	-0.47 N/A
hsa-miR-1252-5p	-0.37	-0.37 N/A
hsa-miR-1252-5p	-0.37	-0.37 N/A
hsa-miR-1252-5p	-0.37	-0.4 N/A
hsa-miR-1252-5p	-0.37	-0.37 N/A
hsa-miR-1252-5p	-0.37	-0.37 N/A
hsa-miR-1252-5p	-0.37	-0.38 N/A
hsa-miR-1252-5p	-0.37	-0.37 N/A
hsa-miR-1252-5p	-0.37	-0.37 N/A
hsa-miR-1252-5p	-0.37	-0.6 N/A
hsa-miR-1252-5p	-0.37	-0.37 N/A
hsa-miR-1252-5p	-0.37	-0.37 N/A
hsa-miR-1252-5p	-0.36	-0.61 N/A
hsa-miR-1252-5p	-0.36	-0.41 N/A
hsa-miR-1252-5p	-0.36	-0.59 N/A
hsa-miR-1252-5p	-0.36	-0.46 N/A
hsa-miR-1252-5p	-0.36	-0.36 N/A
hsa-miR-1252-5p	-0.36	-0.36 N/A
hsa-miR-1252-5p	-0.36	-0.36 N/A
hsa-miR-1252-5p	-0.36	-0.36 N/A
hsa-miR-1252-5p	-0.36	-0.36 N/A
hsa-miR-1252-5p	-0.36	-0.36 N/A
hsa-miR-1252-5p	-0.36	-0.36 N/A
hsa-miR-1252-5p	-0.36	-0.52 N/A
hsa-miR-1252-5p	-0.36	-0.42 N/A
hsa-miR-1252-5p	-0.36	-0.36 N/A
hsa-miR-1252-5p	-0.36	-0.37 N/A
hsa-miR-1252-5p	-0.36	-0.45 N/A
hsa-miR-1252-5p	-0.36	-0.36 N/A
hsa-miR-1252-5p	-0.36	-0.36 N/A
hsa-miR-1252-5p	-0.36	-0.51 N/A
hsa-miR-1252-5p	-0.36	-0.36 N/A
hsa-miR-1252-5p	-0.36	-0.36 N/A
hsa-miR-1252-5p	-0.36	-0.36 N/A
hsa-miR-1252-5p	-0.36	-0.47 N/A
hsa-miR-1252-5p	-0.36	-0.36 N/A
hsa-miR-1252-5p	-0.36	-0.36 N/A

hsa-miR-1252-5p	-0.22	-0.22 N/A
hsa-miR-1252-5p	-0.22	-0.22 N/A
hsa-miR-1252-5p	-0.22	-0.22 N/A
hsa-miR-1252-5p	-0.22	-0.22 N/A
hsa-miR-1252-5p	-0.22	-0.22 N/A
hsa-miR-1252-5p	-0.22	-0.41 N/A
hsa-miR-1252-5p	-0.22	-0.24 N/A
hsa-miR-1252-5p	-0.22	-0.22 N/A
hsa-miR-1252-5p	-0.22	-0.22 N/A
hsa-miR-1252-5p	-0.22	-0.28 N/A
hsa-miR-1252-5p	-0.22	-0.36 N/A
hsa-miR-1252-5p	-0.22	-0.22 N/A
hsa-miR-1252-5p	-0.22	-0.22 N/A
hsa-miR-1252-5p	-0.22	-0.22 N/A
hsa-miR-1252-5p	-0.22	-0.22 N/A
hsa-miR-1252-5p	-0.22	-0.22 N/A
hsa-miR-1252-5p	-0.22	-0.22 N/A
hsa-miR-1252-5p	-0.22	-0.22 N/A
hsa-miR-1252-5p	-0.22	-0.23 N/A
hsa-miR-1252-5p	-0.22	-0.29 N/A
hsa-miR-1252-5p	-0.22	-0.33 N/A
hsa-miR-1252-5p	-0.22	-0.22 N/A
hsa-miR-1252-5p	-0.22	-0.29 N/A
hsa-miR-1252-5p	-0.22	-0.22 N/A
hsa-miR-1252-5p	-0.22	-0.22 N/A
hsa-miR-1252-5p	-0.22	-0.22 N/A
hsa-miR-1252-5p	-0.22	-0.35 N/A
hsa-miR-1252-5p	-0.22	-0.4 N/A
hsa-miR-1252-5p	-0.22	-0.23 N/A
hsa-miR-1252-5p	-0.22	-0.29 N/A
hsa-miR-1252-5p	-0.22	-0.22 N/A
hsa-miR-1252-5p	-0.22	-0.22 N/A
hsa-miR-1252-5p	-0.22	-0.22 N/A
hsa-miR-1252-5p	-0.22	-0.23 N/A
hsa-miR-1252-5p	-0.22	-0.23 N/A
hsa-miR-1252-5p	-0.22	-0.27 N/A
hsa-miR-1252-5p	-0.22	-0.22 N/A
hsa-miR-1252-5p	-0.22	-0.22 N/A
hsa-miR-1252-5p	-0.22	-0.35 N/A
hsa-miR-1252-5p	-0.22	-0.22 N/A
hsa-miR-1252-5p	-0.22	-0.22 N/A
hsa-miR-1252-5p	-0.22	-0.27 N/A
hsa-miR-1252-5p	-0.22	-0.23 N/A
hsa-miR-1252-5p	-0.22	-0.22 N/A
hsa-miR-1252-5p	-0.22	-0.22 N/A
hsa-miR-1252-5p	-0.22	-0.22 N/A
hsa-miR-1252-5p	-0.22	-0.22 N/A
hsa-miR-1252-5p	-0.22	-0.22 N/A
hsa-miR-1252-5p	-0.22	-0.22 N/A
hsa-miR-1252-5p	-0.22	-0.29 N/A
hsa-miR-1252-5p	-0.22	-0.56 N/A
hsa-miR-1252-5p	-0.22	-0.22 N/A
hsa-miR-1252-5p	-0.22	-0.22 N/A

hsa-miR-1252-5p	-0.2	-0.21 N/A
hsa-miR-1252-5p	-0.2	-0.39 N/A
hsa-miR-1252-5p	-0.2	-0.21 N/A
hsa-miR-1252-5p	-0.2	-0.2 N/A
hsa-miR-1252-5p	-0.2	-0.2 N/A
hsa-miR-1252-5p	-0.2	-0.21 N/A
hsa-miR-1252-5p	-0.2	-0.2 N/A
hsa-miR-1252-5p	-0.2	-0.28 N/A
hsa-miR-1252-5p	-0.2	-0.4 N/A
hsa-miR-1252-5p	-0.2	-0.2 N/A
hsa-miR-1252-5p	-0.2	-0.2 N/A
hsa-miR-1252-5p	-0.2	-0.2 N/A
hsa-miR-1252-5p	-0.2	-0.23 N/A
hsa-miR-1252-5p	-0.2	-0.3 N/A
hsa-miR-1252-5p	-0.2	-0.22 N/A
hsa-miR-1252-5p	-0.2	-0.24 N/A
hsa-miR-1252-5p	-0.2	-0.2 N/A
hsa-miR-1252-5p	-0.2	-0.2 N/A
hsa-miR-1252-5p	-0.2	-0.2 N/A
hsa-miR-1252-5p	-0.2	-0.2 N/A
hsa-miR-1252-5p	-0.2	-0.2 N/A
hsa-miR-1252-5p	-0.2	-0.2 N/A
hsa-miR-1252-5p	-0.2	-0.2 N/A
hsa-miR-1252-5p	-0.2	-0.2 N/A
hsa-miR-1252-5p	-0.2	-0.2 N/A
hsa-miR-1252-5p	-0.2	-0.2 N/A
hsa-miR-1252-5p	-0.2	-0.21 N/A
hsa-miR-1252-5p	-0.2	-0.23 N/A
hsa-miR-1252-5p	-0.2	-0.2 N/A
hsa-miR-1252-5p	-0.2	-0.3 N/A
hsa-miR-1252-5p	-0.2	-0.2 N/A
hsa-miR-1252-5p	-0.2	-0.2 N/A
hsa-miR-1252-5p	-0.2	-0.2 N/A
hsa-miR-1252-5p	-0.2	-0.2 N/A
hsa-miR-1252-5p	-0.2	-0.2 N/A
hsa-miR-1252-5p	-0.2	-0.2 N/A
hsa-miR-1252-5p	-0.2	-0.22 N/A
hsa-miR-1252-5p	-0.2	-0.3 N/A
hsa-miR-1252-5p	-0.2	-0.21 N/A
hsa-miR-1252-5p	-0.2	-0.62 N/A
hsa-miR-1252-5p	-0.2	-0.25 N/A
hsa-miR-1252-5p	-0.2	-0.2 N/A
hsa-miR-1252-5p	-0.2	-0.2 N/A
hsa-miR-1252-5p	-0.2	-0.2 N/A
hsa-miR-1252-5p	-0.2	-0.2 N/A
hsa-miR-1252-5p	-0.2	-0.37 N/A
hsa-miR-1252-5p	-0.2	-0.26 N/A
hsa-miR-1252-5p	-0.2	-0.49 N/A
hsa-miR-1252-5p	-0.2	-0.22 N/A
hsa-miR-1252-5p	-0.2	-0.46 N/A
hsa-miR-1252-5p	-0.2	-0.25 N/A
hsa-miR-1252-5p	-0.2	-0.2 N/A
hsa-miR-1252-5p	-0.2	-0.2 N/A
hsa-miR-1252-5p	-0.2	-0.2 N/A

hsa-miR-1252-5p	-0.19	-0.19 N/A
hsa-miR-1252-5p	-0.19	-0.19 N/A
hsa-miR-1252-5p	-0.19	-0.45 N/A
hsa-miR-1252-5p	-0.19	-0.2 N/A
hsa-miR-1252-5p	-0.19	-0.26 N/A
hsa-miR-1252-5p	-0.19	-0.2 N/A
hsa-miR-1252-5p	-0.19	-0.49 N/A
hsa-miR-1252-5p	-0.19	-0.19 N/A
hsa-miR-1252-5p	-0.19	-0.19 N/A
hsa-miR-1252-5p	-0.19	-0.19 N/A
hsa-miR-1252-5p	-0.19	-0.23 N/A
hsa-miR-1252-5p	-0.19	-0.23 N/A
hsa-miR-1252-5p	-0.19	-0.19 N/A
hsa-miR-1252-5p	-0.19	-0.19 N/A
hsa-miR-1252-5p	-0.19	-0.19 N/A
hsa-miR-1252-5p	-0.19	-0.19 N/A
hsa-miR-1252-5p	-0.19	-0.19 N/A
hsa-miR-1252-5p	-0.19	-0.19 N/A
hsa-miR-1252-5p	-0.19	-0.19 N/A
hsa-miR-1252-5p	-0.19	-0.21 N/A
hsa-miR-1252-5p	-0.19	-0.2 N/A
hsa-miR-1252-5p	-0.19	-0.21 N/A
hsa-miR-1252-5p	-0.19	-0.22 N/A
hsa-miR-1252-5p	-0.19	-0.19 N/A
hsa-miR-1252-5p	-0.19	-0.19 N/A
hsa-miR-1252-5p	-0.19	-0.19 N/A
hsa-miR-1252-5p	-0.19	-0.22 N/A
hsa-miR-1252-5p	-0.19	-0.19 N/A
hsa-miR-1252-5p	-0.19	-0.19 N/A
hsa-miR-1252-5p	-0.19	-0.19 N/A
hsa-miR-1252-5p	-0.19	-0.23 N/A
hsa-miR-1252-5p	-0.19	-0.19 N/A
hsa-miR-1252-5p	-0.19	-0.21 N/A
hsa-miR-1252-5p	-0.19	-0.19 N/A
hsa-miR-1252-5p	-0.19	-0.3 N/A
hsa-miR-1252-5p	-0.19	-0.44 N/A
hsa-miR-1252-5p	-0.19	-0.36 N/A
hsa-miR-1252-5p	-0.19	-0.24 N/A
hsa-miR-1252-5p	-0.19	-0.2 N/A
hsa-miR-1252-5p	-0.19	-0.19 N/A
hsa-miR-1252-5p	-0.18	-0.18 N/A
hsa-miR-1252-5p	-0.18	-0.18 N/A
hsa-miR-1252-5p	-0.18	-0.18 N/A
hsa-miR-1252-5p	-0.18	-0.22 N/A
hsa-miR-1252-5p	-0.18	-0.18 N/A
hsa-miR-1252-5p	-0.18	-0.31 N/A
hsa-miR-1252-5p	-0.18	-0.24 N/A
hsa-miR-1252-5p	-0.18	-0.3 N/A
hsa-miR-1252-5p	-0.18	-0.19 N/A
hsa-miR-1252-5p	-0.18	-0.18 N/A
hsa-miR-1252-5p	-0.18	-0.18 N/A
hsa-miR-1252-5p	-0.18	-0.18 N/A

hsa-miR-1252-5p	-0.18	-0.18 N/A
hsa-miR-1252-5p	-0.18	-0.18 N/A
hsa-miR-1252-5p	-0.18	-0.18 N/A
hsa-miR-1252-5p	-0.18	-0.18 N/A
hsa-miR-1252-5p	-0.18	-0.31 N/A
hsa-miR-1252-5p	-0.18	-0.43 N/A
hsa-miR-1252-5p	-0.18	-0.2 N/A
hsa-miR-1252-5p	-0.18	-0.25 N/A
hsa-miR-1252-5p	-0.18	-0.32 N/A
hsa-miR-1252-5p	-0.18	-0.18 N/A
hsa-miR-1252-5p	-0.18	-0.18 N/A
hsa-miR-1252-5p	-0.18	-0.3 N/A
hsa-miR-1252-5p	-0.18	-0.36 N/A
hsa-miR-1252-5p	-0.18	-0.18 N/A
hsa-miR-1252-5p	-0.18	-0.45 N/A
hsa-miR-1252-5p	-0.18	-0.28 N/A
hsa-miR-1252-5p	-0.18	-0.18 N/A
hsa-miR-1252-5p	-0.18	-0.18 N/A
hsa-miR-1252-5p	-0.18	-0.18 N/A
hsa-miR-1252-5p	-0.18	-0.18 N/A
hsa-miR-1252-5p	-0.18	-0.18 N/A
hsa-miR-1252-5p	-0.18	-0.18 N/A
hsa-miR-1252-5p	-0.18	-0.23 N/A
hsa-miR-1252-5p	-0.18	-0.19 N/A
hsa-miR-1252-5p	-0.18	-0.24 N/A
hsa-miR-1252-5p	-0.18	-0.18 N/A
hsa-miR-1252-5p	-0.18	-0.38 N/A
hsa-miR-1252-5p	-0.18	-0.21 N/A
hsa-miR-1252-5p	-0.18	-0.2 N/A
hsa-miR-1252-5p	-0.18	-0.18 N/A
hsa-miR-1252-5p	-0.18	-0.18 N/A
hsa-miR-1252-5p	-0.18	-0.21 N/A
hsa-miR-1252-5p	-0.18	-0.18 N/A
hsa-miR-1252-5p	-0.18	-0.18 N/A
hsa-miR-1252-5p	-0.18	-0.25 N/A
hsa-miR-1252-5p	-0.18	-0.2 N/A
hsa-miR-1252-5p	-0.18	-0.18 N/A
hsa-miR-1252-5p	-0.18	-0.18 N/A
hsa-miR-1252-5p	-0.18	-0.21 N/A
hsa-miR-1252-5p	-0.18	-0.18 N/A
hsa-miR-1252-5p	-0.18	-0.18 N/A
hsa-miR-1252-5p	-0.18	-0.2 N/A
hsa-miR-1252-5p	-0.18	-0.18 N/A
hsa-miR-1252-5p	-0.18	-0.18 N/A
hsa-miR-1252-5p	-0.18	-0.54 N/A
hsa-miR-1252-5p	-0.18	-0.24 N/A
hsa-miR-1252-5p	-0.18	-0.18 N/A
hsa-miR-1252-5p	-0.18	-0.18 N/A
hsa-miR-1252-5p	-0.18	-0.18 N/A
hsa-miR-1252-5p	-0.18	-0.18 N/A
hsa-miR-1252-5p	-0.18	-0.18 N/A

hsa-miR-1252-5p	-0.16	-0.16 N/A
hsa-miR-1252-5p	-0.16	-0.26 N/A
hsa-miR-1252-5p	-0.16	-1.08 N/A
hsa-miR-1252-5p	-0.16	-0.27 N/A
hsa-miR-1252-5p	-0.16	-0.16 N/A
hsa-miR-1252-5p	-0.16	-0.17 N/A
hsa-miR-1252-5p	-0.16	-0.17 N/A
hsa-miR-1252-5p	-0.16	-0.16 N/A
hsa-miR-1252-5p	-0.16	-0.22 N/A
hsa-miR-1252-5p	-0.16	-0.16 N/A
hsa-miR-1252-5p	-0.16	-0.16 N/A
hsa-miR-1252-5p	-0.16	-0.16 N/A
hsa-miR-1252-5p	-0.16	-0.16 N/A
hsa-miR-1252-5p	-0.16	-0.24 N/A
hsa-miR-1252-5p	-0.16	-0.27 N/A
hsa-miR-1252-5p	-0.16	-0.22 N/A
hsa-miR-1252-5p	-0.16	-0.16 N/A
hsa-miR-1252-5p	-0.16	-0.16 N/A
hsa-miR-1252-5p	-0.16	-0.35 N/A
hsa-miR-1252-5p	-0.16	-0.18 N/A
hsa-miR-1252-5p	-0.16	-0.16 N/A
hsa-miR-1252-5p	-0.16	-0.16 N/A
hsa-miR-1252-5p	-0.16	-0.16 N/A
hsa-miR-1252-5p	-0.16	-0.16 N/A
hsa-miR-1252-5p	-0.16	-0.17 N/A
hsa-miR-1252-5p	-0.16	-0.2 N/A
hsa-miR-1252-5p	-0.16	-0.2 N/A
hsa-miR-1252-5p	-0.16	-0.22 N/A
hsa-miR-1252-5p	-0.16	-0.16 N/A
hsa-miR-1252-5p	-0.16	-0.16 N/A
hsa-miR-1252-5p	-0.16	-0.16 N/A
hsa-miR-1252-5p	-0.16	-0.16 N/A
hsa-miR-1252-5p	-0.16	-0.16 N/A
hsa-miR-1252-5p	-0.16	-0.36 N/A
hsa-miR-1252-5p	-0.16	-0.22 N/A
hsa-miR-1252-5p	-0.16	-0.16 N/A
hsa-miR-1252-5p	-0.16	-0.16 N/A
hsa-miR-1252-5p	-0.16	-0.16 N/A
hsa-miR-1252-5p	-0.16	-0.16 N/A
hsa-miR-1252-5p	-0.16	-0.18 N/A
hsa-miR-1252-5p	-0.16	-0.18 N/A
hsa-miR-1252-5p	-0.16	-0.22 N/A
hsa-miR-1252-5p	-0.16	-0.21 N/A
hsa-miR-1252-5p	-0.16	-0.25 N/A
hsa-miR-1252-5p	-0.16	-0.27 N/A
hsa-miR-1252-5p	-0.16	-0.16 N/A
hsa-miR-1252-5p	-0.16	-0.16 N/A
hsa-miR-1252-5p	-0.16	-0.16 N/A
hsa-miR-1252-5p	-0.16	-0.16 N/A
hsa-miR-1252-5p	-0.16	-0.16 N/A
hsa-miR-1252-5p	-0.16	-0.21 N/A
hsa-miR-1252-5p	-0.16	-0.16 N/A

hsa-miR-1252-5p	-0.15	-0.15 N/A
hsa-miR-1252-5p	-0.15	-0.15 N/A
hsa-miR-1252-5p	-0.15	-0.15 N/A
hsa-miR-1252-5p	-0.15	-0.15 N/A
hsa-miR-1252-5p	-0.15	-0.2 N/A
hsa-miR-1252-5p	-0.15	-0.66 N/A
hsa-miR-1252-5p	-0.15	-0.19 N/A
hsa-miR-1252-5p	-0.15	-0.18 N/A
hsa-miR-1252-5p	-0.15	-0.15 N/A
hsa-miR-1252-5p	-0.15	-0.15 N/A
hsa-miR-1252-5p	-0.15	-0.15 N/A
hsa-miR-1252-5p	-0.15	-0.26 N/A
hsa-miR-1252-5p	-0.15	-0.28 N/A
hsa-miR-1252-5p	-0.15	-0.25 N/A
hsa-miR-1252-5p	-0.15	-0.17 N/A
hsa-miR-1252-5p	-0.15	-0.29 N/A
hsa-miR-1252-5p	-0.15	-0.15 N/A
hsa-miR-1252-5p	-0.15	-0.17 N/A
hsa-miR-1252-5p	-0.15	-0.48 N/A
hsa-miR-1252-5p	-0.15	-0.15 N/A
hsa-miR-1252-5p	-0.15	-0.15 N/A
hsa-miR-1252-5p	-0.15	-0.15 N/A
hsa-miR-1252-5p	-0.15	-0.15 N/A
hsa-miR-1252-5p	-0.15	-0.15 N/A
hsa-miR-1252-5p	-0.15	-0.15 N/A
hsa-miR-1252-5p	-0.15	-0.22 N/A
hsa-miR-1252-5p	-0.15	-0.15 N/A
hsa-miR-1252-5p	-0.15	-0.16 N/A
hsa-miR-1252-5p	-0.15	-0.15 N/A
hsa-miR-1252-5p	-0.15	-0.17 N/A
hsa-miR-1252-5p	-0.15	-0.15 N/A
hsa-miR-1252-5p	-0.15	-0.15 N/A
hsa-miR-1252-5p	-0.15	-0.15 N/A
hsa-miR-1252-5p	-0.15	-0.33 N/A
hsa-miR-1252-5p	-0.15	-0.18 N/A
hsa-miR-1252-5p	-0.15	-0.28 N/A
hsa-miR-1252-5p	-0.14	-0.14 N/A
hsa-miR-1252-5p	-0.14	-0.14 N/A
hsa-miR-1252-5p	-0.14	-0.14 N/A
hsa-miR-1252-5p	-0.14	-0.14 N/A
hsa-miR-1252-5p	-0.14	-0.14 N/A
hsa-miR-1252-5p	-0.14	-0.14 N/A
hsa-miR-1252-5p	-0.14	-0.14 N/A
hsa-miR-1252-5p	-0.14	-0.14 N/A
hsa-miR-1252-5p	-0.14	-0.14 N/A
hsa-miR-1252-5p	-0.14	-0.33 N/A
hsa-miR-1252-5p	-0.14	-0.16 N/A
hsa-miR-1252-5p	-0.14	-0.16 N/A
hsa-miR-1252-5p	-0.14	-0.15 N/A
hsa-miR-1252-5p	-0.14	-0.14 N/A
hsa-miR-1252-5p	-0.14	-0.15 N/A
hsa-miR-1252-5p	-0.14	-0.15 N/A

hsa-miR-1252-5p	-0.14	-0.18 N/A
hsa-miR-1252-5p	-0.14	-0.14 N/A
hsa-miR-1252-5p	-0.14	-0.14 N/A
hsa-miR-1252-5p	-0.14	-0.14 N/A
hsa-miR-1252-5p	-0.14	-0.14 N/A
hsa-miR-1252-5p	-0.14	-0.14 N/A
hsa-miR-1252-5p	-0.14	-0.14 N/A
hsa-miR-1252-5p	-0.14	-0.14 N/A
hsa-miR-1252-5p	-0.14	-0.18 N/A
hsa-miR-1252-5p	-0.14	-0.14 N/A
hsa-miR-1252-5p	-0.14	-0.15 N/A
hsa-miR-1252-5p	-0.14	-0.14 N/A
hsa-miR-1252-5p	-0.14	-0.22 N/A
hsa-miR-1252-5p	-0.14	-0.22 N/A
hsa-miR-1252-5p	-0.14	-0.14 N/A
hsa-miR-1252-5p	-0.14	-0.14 N/A
hsa-miR-1252-5p	-0.14	-0.14 N/A
hsa-miR-1252-5p	-0.14	-0.14 N/A
hsa-miR-1252-5p	-0.14	-0.14 N/A
hsa-miR-1252-5p	-0.14	-0.14 N/A
hsa-miR-1252-5p	-0.14	-0.2 N/A
hsa-miR-1252-5p	-0.14	-0.14 N/A
hsa-miR-1252-5p	-0.14	-0.14 N/A
hsa-miR-1252-5p	-0.14	-0.14 N/A
hsa-miR-1252-5p	-0.14	-0.15 N/A
hsa-miR-1252-5p	-0.14	-0.37 N/A
hsa-miR-1252-5p	-0.14	-0.2 N/A
hsa-miR-1252-5p	-0.14	-0.56 N/A
hsa-miR-1252-5p	-0.14	-0.15 N/A
hsa-miR-1252-5p	-0.14	-0.23 N/A
hsa-miR-1252-5p	-0.14	-0.3 N/A
hsa-miR-1252-5p	-0.14	-0.15 N/A
hsa-miR-1252-5p	-0.14	-0.34 N/A
hsa-miR-1252-5p	-0.14	-0.14 N/A
hsa-miR-1252-5p	-0.14	-0.14 N/A
hsa-miR-1252-5p	-0.14	-0.14 N/A
hsa-miR-1252-5p	-0.14	-0.14 N/A
hsa-miR-1252-5p	-0.14	-0.14 N/A
hsa-miR-1252-5p	-0.14	-0.14 N/A
hsa-miR-1252-5p	-0.14	-0.14 N/A
hsa-miR-1252-5p	-0.14	-0.14 N/A
hsa-miR-1252-5p	-0.14	-0.19 N/A
hsa-miR-1252-5p	-0.14	-0.14 N/A
hsa-miR-1252-5p	-0.14	-0.14 N/A
hsa-miR-1252-5p	-0.14	-0.15 N/A
hsa-miR-1252-5p	-0.14	-0.28 N/A
hsa-miR-1252-5p	-0.14	-0.18 N/A
hsa-miR-1252-5p	-0.14	-0.17 N/A
hsa-miR-1252-5p	-0.14	-0.14 N/A

hsa-miR-1252-5p	-0.09	-0.12 N/A
hsa-miR-1252-5p	-0.09	-0.1 N/A
hsa-miR-1252-5p	-0.09	-0.38 N/A
hsa-miR-1252-5p	-0.09	-0.09 N/A
hsa-miR-1252-5p	-0.09	-0.09 N/A
hsa-miR-1252-5p	-0.09	-0.09 N/A
hsa-miR-1252-5p	-0.09	-0.11 N/A
hsa-miR-1252-5p	-0.09	-0.1 N/A
hsa-miR-1252-5p	-0.09	-0.35 N/A
hsa-miR-1252-5p	-0.09	-0.1 N/A
hsa-miR-1252-5p	-0.09	-0.13 N/A
hsa-miR-1252-5p	-0.09	-0.12 N/A
hsa-miR-1252-5p	-0.09	-0.09 N/A
hsa-miR-1252-5p	-0.09	-0.09 N/A
hsa-miR-1252-5p	-0.09	-0.09 N/A
hsa-miR-1252-5p	-0.09	-0.09 N/A
hsa-miR-1252-5p	-0.09	-0.09 N/A
hsa-miR-1252-5p	-0.09	-0.09 N/A
hsa-miR-1252-5p	-0.09	-0.09 N/A
hsa-miR-1252-5p	-0.09	-0.09 N/A
hsa-miR-1252-5p	-0.09	-0.12 N/A
hsa-miR-1252-5p	-0.09	-0.12 N/A
hsa-miR-1252-5p	-0.09	-0.22 N/A
hsa-miR-1252-5p	-0.09	-0.15 N/A
hsa-miR-1252-5p	-0.09	-0.11 N/A
hsa-miR-1252-5p	-0.09	-0.1 N/A
hsa-miR-1252-5p	-0.09	-0.3 N/A
hsa-miR-1252-5p	-0.09	-0.11 N/A
hsa-miR-1252-5p	-0.09	-0.15 N/A
hsa-miR-1252-5p	-0.09	-0.1 N/A
hsa-miR-1252-5p	-0.09	-0.09 N/A
hsa-miR-1252-5p	-0.09	-0.09 N/A
hsa-miR-1252-5p	-0.09	-0.09 N/A
hsa-miR-1252-5p	-0.09	-0.09 N/A
hsa-miR-1252-5p	-0.09	-0.11 N/A
hsa-miR-1252-5p	-0.09	-0.09 N/A
hsa-miR-1252-5p	-0.09	-0.09 N/A
hsa-miR-1252-5p	-0.09	-0.09 N/A
hsa-miR-1252-5p	-0.09	-0.09 N/A
hsa-miR-1252-5p	-0.09	-0.1 N/A
hsa-miR-1252-5p	-0.09	-0.22 N/A
hsa-miR-1252-5p	-0.09	-0.09 N/A
hsa-miR-1252-5p	-0.09	-0.09 N/A
hsa-miR-1252-5p	-0.09	-0.15 N/A
hsa-miR-1252-5p	-0.09	-0.12 N/A
hsa-miR-1252-5p	-0.09	-0.15 N/A
hsa-miR-1252-5p	-0.09	-0.09 N/A
hsa-miR-1252-5p	-0.09	-0.1 N/A
hsa-miR-1252-5p	-0.09	-0.12 N/A
hsa-miR-1252-5p	-0.09	-0.15 N/A
hsa-miR-1252-5p	-0.09	-0.09 N/A
hsa-miR-1252-5p	-0.09	-0.09 N/A
hsa-miR-1252-5p	-0.09	-0.09 N/A
hsa-miR-1252-5p	-0.09	-0.09 N/A
hsa-miR-1252-5p	-0.09	-0.18 N/A

hsa-miR-1252-5p	-0.09	-0.09 N/A
hsa-miR-1252-5p	-0.09	-0.1 N/A
hsa-miR-1252-5p	-0.09	-0.27 N/A
hsa-miR-1252-5p	-0.09	-0.09 N/A
hsa-miR-1252-5p	-0.09	-0.1 N/A
hsa-miR-1252-5p	-0.09	-0.12 N/A
hsa-miR-1252-5p	-0.09	-0.26 N/A
hsa-miR-1252-5p	-0.09	-0.12 N/A
hsa-miR-1252-5p	-0.09	-0.1 N/A
hsa-miR-1252-5p	-0.09	-0.09 N/A
hsa-miR-1252-5p	-0.09	-0.09 N/A
hsa-miR-1252-5p	-0.09	-0.09 N/A
hsa-miR-1252-5p	-0.09	-0.09 N/A
hsa-miR-1252-5p	-0.09	-0.12 N/A
hsa-miR-1252-5p	-0.09	-0.09 N/A
hsa-miR-1252-5p	-0.09	-0.09 N/A
hsa-miR-1252-5p	-0.09	-0.09 N/A
hsa-miR-1252-5p	-0.09	-0.09 N/A
hsa-miR-1252-5p	-0.09	-0.09 N/A
hsa-miR-1252-5p	-0.09	-0.09 N/A
hsa-miR-1252-5p	-0.09	-0.17 N/A
hsa-miR-1252-5p	-0.09	-0.2 N/A
hsa-miR-1252-5p	-0.09	-0.11 N/A
hsa-miR-1252-5p	-0.09	-0.43 N/A
hsa-miR-1252-5p	-0.09	-0.2 N/A
hsa-miR-1252-5p	-0.09	-0.1 N/A
hsa-miR-1252-5p	-0.09	-0.09 N/A
hsa-miR-1252-5p	-0.09	-0.09 N/A
hsa-miR-1252-5p	-0.09	-0.09 N/A
hsa-miR-1252-5p	-0.09	-0.14 N/A
hsa-miR-1252-5p	-0.09	-0.09 N/A
hsa-miR-1252-5p	-0.09	-0.09 N/A
hsa-miR-1252-5p	-0.09	-0.09 N/A
hsa-miR-1252-5p	-0.09	-0.11 N/A
hsa-miR-1252-5p	-0.09	-0.11 N/A
hsa-miR-1252-5p	-0.09	-0.1 N/A
hsa-miR-1252-5p	-0.09	-0.2 N/A
hsa-miR-1252-5p	-0.09	-0.09 N/A
hsa-miR-1252-5p	-0.09	-0.22 N/A
hsa-miR-1252-5p	-0.09	-0.09 N/A
hsa-miR-1252-5p	-0.09	-0.09 N/A
hsa-miR-1252-5p	-0.09	-0.09 N/A
hsa-miR-1252-5p	-0.09	-0.11 N/A
hsa-miR-1252-5p	-0.09	-0.09 N/A
hsa-miR-1252-5p	-0.09	-0.22 N/A
hsa-miR-1252-5p	-0.09	-0.11 N/A
hsa-miR-1252-5p	-0.09	-0.1 N/A
hsa-miR-1252-5p	-0.09	-0.1 N/A
hsa-miR-1252-5p	-0.09	-0.22 N/A
hsa-miR-1252-5p	-0.09	-0.29 N/A
hsa-miR-1252-5p	-0.09	-0.3 N/A
hsa-miR-1252-5p	-0.09	-0.14 N/A

hsa-miR-1252-5p	-0.09	-0.13 N/A
hsa-miR-1252-5p	-0.09	-0.09 N/A
hsa-miR-1252-5p	-0.09	-0.09 N/A
hsa-miR-1252-5p	-0.09	-0.09 N/A
hsa-miR-1252-5p	-0.09	-0.09 N/A
hsa-miR-1252-5p	-0.09	-0.09 N/A
hsa-miR-1252-5p	-0.09	-0.09 N/A
hsa-miR-1252-5p	-0.09	-0.09 N/A
hsa-miR-1252-5p	-0.09	-0.1 N/A
hsa-miR-1252-5p	-0.09	-0.16 N/A
hsa-miR-1252-5p	-0.09	-0.14 N/A
hsa-miR-1252-5p	-0.09	-0.09 N/A
hsa-miR-1252-5p	-0.09	-0.09 N/A
hsa-miR-1252-5p	-0.09	-0.09 N/A
hsa-miR-1252-5p	-0.09	-0.09 N/A
hsa-miR-1252-5p	-0.09	-0.09 N/A
hsa-miR-1252-5p	-0.09	-0.09 N/A
hsa-miR-1252-5p	-0.09	-0.09 N/A
hsa-miR-1252-5p	-0.09	-0.21 N/A
hsa-miR-1252-5p	-0.08	-0.09 N/A
hsa-miR-1252-5p	-0.08	-0.1 N/A
hsa-miR-1252-5p	-0.08	-0.11 N/A
hsa-miR-1252-5p	-0.08	-0.19 N/A
hsa-miR-1252-5p	-0.08	-0.23 N/A
hsa-miR-1252-5p	-0.08	-0.12 N/A
hsa-miR-1252-5p	-0.08	-0.29 N/A
hsa-miR-1252-5p	-0.08	-0.17 N/A
hsa-miR-1252-5p	-0.08	-0.1 N/A
hsa-miR-1252-5p	-0.08	-0.09 N/A
hsa-miR-1252-5p	-0.08	-0.09 N/A
hsa-miR-1252-5p	-0.08	-0.16 N/A
hsa-miR-1252-5p	-0.08	-0.14 N/A
hsa-miR-1252-5p	-0.08	-0.08 N/A
hsa-miR-1252-5p	-0.08	-0.08 N/A
hsa-miR-1252-5p	-0.08	-0.08 N/A
hsa-miR-1252-5p	-0.08	-0.08 N/A
hsa-miR-1252-5p	-0.08	-0.09 N/A
hsa-miR-1252-5p	-0.08	-0.08 N/A
hsa-miR-1252-5p	-0.08	-0.12 N/A
hsa-miR-1252-5p	-0.08	-0.08 N/A
hsa-miR-1252-5p	-0.08	-0.09 N/A
hsa-miR-1252-5p	-0.08	-0.08 N/A
hsa-miR-1252-5p	-0.08	-0.13 N/A
hsa-miR-1252-5p	-0.08	-0.08 N/A
hsa-miR-1252-5p	-0.08	-0.08 N/A
hsa-miR-1252-5p	-0.08	-0.08 N/A
hsa-miR-1252-5p	-0.08	-0.18 N/A
hsa-miR-1252-5p	-0.08	-0.12 N/A
hsa-miR-1252-5p	-0.08	-0.09 N/A
hsa-miR-1252-5p	-0.08	-0.08 N/A
hsa-miR-1252-5p	-0.08	-0.28 N/A
hsa-miR-1252-5p	-0.08	-0.13 N/A
hsa-miR-1252-5p	-0.08	-0.15 N/A

hsa-miR-1252-5p	-0.08	-0.09 N/A
hsa-miR-1252-5p	-0.08	-0.09 N/A
hsa-miR-1252-5p	-0.08	-0.45 N/A
hsa-miR-1252-5p	-0.08	-0.09 N/A
hsa-miR-1252-5p	-0.08	-0.1 N/A
hsa-miR-1252-5p	-0.08	-0.08 N/A
hsa-miR-1252-5p	-0.08	-0.08 N/A
hsa-miR-1252-5p	-0.08	-0.2 N/A
hsa-miR-1252-5p	-0.08	-0.08 N/A
hsa-miR-1252-5p	-0.08	-0.08 N/A
hsa-miR-1252-5p	-0.08	-0.08 N/A
hsa-miR-1252-5p	-0.08	-0.08 N/A
hsa-miR-1252-5p	-0.08	-0.41 N/A
hsa-miR-1252-5p	-0.08	-0.08 N/A
hsa-miR-1252-5p	-0.08	-0.08 N/A
hsa-miR-1252-5p	-0.08	-0.08 N/A
hsa-miR-1252-5p	-0.08	-0.18 N/A
hsa-miR-1252-5p	-0.08	-0.32 N/A
hsa-miR-1252-5p	-0.08	-0.12 N/A
hsa-miR-1252-5p	-0.08	-0.26 N/A
hsa-miR-1252-5p	-0.08	-0.2 N/A
hsa-miR-1252-5p	-0.08	-0.25 N/A
hsa-miR-1252-5p	-0.08	-0.19 N/A
hsa-miR-1252-5p	-0.08	-0.09 N/A
hsa-miR-1252-5p	-0.08	-0.09 N/A
hsa-miR-1252-5p	-0.08	-0.08 N/A
hsa-miR-1252-5p	-0.08	-0.11 N/A
hsa-miR-1252-5p	-0.08	-0.08 N/A
hsa-miR-1252-5p	-0.08	-0.08 N/A
hsa-miR-1252-5p	-0.08	-0.08 N/A
hsa-miR-1252-5p	-0.08	-0.12 N/A
hsa-miR-1252-5p	-0.08	-0.27 N/A
hsa-miR-1252-5p	-0.08	-0.08 N/A
hsa-miR-1252-5p	-0.08	-0.21 N/A
hsa-miR-1252-5p	-0.08	-0.42 N/A
hsa-miR-1252-5p	-0.08	-0.08 N/A
hsa-miR-1252-5p	-0.08	-0.2 N/A
hsa-miR-1252-5p	-0.08	-0.08 N/A
hsa-miR-1252-5p	-0.08	-0.14 N/A
hsa-miR-1252-5p	-0.08	-0.08 N/A
hsa-miR-1252-5p	-0.08	-0.08 N/A
hsa-miR-1252-5p	-0.08	-0.08 N/A
hsa-miR-1252-5p	-0.08	-0.08 N/A
hsa-miR-1252-5p	-0.08	-0.08 N/A
hsa-miR-1252-5p	-0.08	-0.08 N/A
hsa-miR-1252-5p	-0.08	-0.08 N/A
hsa-miR-1252-5p	-0.08	-0.08 N/A
hsa-miR-1252-5p	-0.08	-0.08 N/A
hsa-miR-1252-5p	-0.08	-0.22 N/A
hsa-miR-1252-5p	-0.08	-0.08 N/A
hsa-miR-1252-5p	-0.08	-0.08 N/A
hsa-miR-1252-5p	-0.08	-0.09 N/A
hsa-miR-1252-5p	-0.08	-0.13 N/A

hsa-miR-1252-5p	-0.06	-0.06 N/A
hsa-miR-1252-5p	-0.06	-0.06 N/A
hsa-miR-1252-5p	-0.06	-0.06 N/A
hsa-miR-1252-5p	-0.06	-0.06 N/A
hsa-miR-1252-5p	-0.06	-0.06 N/A
hsa-miR-1252-5p	-0.06	-0.23 N/A
hsa-miR-1252-5p	-0.06	-0.06 N/A
hsa-miR-1252-5p	-0.06	-0.06 N/A
hsa-miR-1252-5p	-0.06	-0.06 N/A
hsa-miR-1252-5p	-0.06	-0.09 N/A
hsa-miR-1252-5p	-0.06	-0.07 N/A
hsa-miR-1252-5p	-0.06	-0.16 N/A
hsa-miR-1252-5p	-0.06	-0.13 N/A
hsa-miR-1252-5p	-0.06	-0.33 N/A
hsa-miR-1252-5p	-0.06	-0.12 N/A
hsa-miR-1252-5p	-0.06	-0.07 N/A
hsa-miR-1252-5p	-0.06	-0.25 N/A
hsa-miR-1252-5p	-0.06	-0.1 N/A
hsa-miR-1252-5p	-0.06	-0.18 N/A
hsa-miR-1252-5p	-0.06	-0.25 N/A
hsa-miR-1252-5p	-0.06	-0.36 N/A
hsa-miR-1252-5p	-0.06	-0.12 N/A
hsa-miR-1252-5p	-0.06	-0.13 N/A
hsa-miR-1252-5p	-0.06	-0.08 N/A
hsa-miR-1252-5p	-0.06	-0.17 N/A
hsa-miR-1252-5p	-0.06	-0.06 N/A
hsa-miR-1252-5p	-0.06	-0.06 N/A
hsa-miR-1252-5p	-0.06	-0.06 N/A
hsa-miR-1252-5p	-0.06	-0.06 N/A
hsa-miR-1252-5p	-0.06	-0.06 N/A
hsa-miR-1252-5p	-0.06	-0.06 N/A
hsa-miR-1252-5p	-0.06	-0.06 N/A
hsa-miR-1252-5p	-0.06	-0.06 N/A
hsa-miR-1252-5p	-0.06	-0.12 N/A
hsa-miR-1252-5p	-0.06	-0.21 N/A
hsa-miR-1252-5p	-0.06	-0.08 N/A
hsa-miR-1252-5p	-0.06	-0.06 N/A
hsa-miR-1252-5p	-0.06	-0.14 N/A
hsa-miR-1252-5p	-0.06	-0.15 N/A
hsa-miR-1252-5p	-0.06	-0.07 N/A
hsa-miR-1252-5p	-0.06	-0.15 N/A
hsa-miR-1252-5p	-0.06	-0.26 N/A
hsa-miR-1252-5p	-0.06	-0.17 N/A
hsa-miR-1252-5p	-0.06	-0.11 N/A
hsa-miR-1252-5p	-0.06	-0.21 N/A
hsa-miR-1252-5p	-0.06	-0.16 N/A
hsa-miR-1252-5p	-0.06	-0.06 N/A
hsa-miR-1252-5p	-0.06	-0.16 N/A
hsa-miR-1252-5p	-0.06	-0.17 N/A
hsa-miR-1252-5p	-0.06	-0.06 N/A
hsa-miR-1252-5p	-0.06	-0.06 N/A

hsa-miR-1252-5p	-0.06	-0.06 N/A
hsa-miR-1252-5p	-0.06	-0.06 N/A
hsa-miR-1252-5p	-0.06	-0.06 N/A
hsa-miR-1252-5p	-0.06	-0.19 N/A
hsa-miR-1252-5p	-0.06	-0.06 N/A
hsa-miR-1252-5p	-0.06	-0.15 N/A
hsa-miR-1252-5p	-0.06	-0.34 N/A
hsa-miR-1252-5p	-0.06	-0.09 N/A
hsa-miR-1252-5p	-0.06	-0.07 N/A
hsa-miR-1252-5p	-0.06	-0.13 N/A
hsa-miR-1252-5p	-0.06	-0.13 N/A
hsa-miR-1252-5p	-0.06	-0.14 N/A
hsa-miR-1252-5p	-0.06	-0.08 N/A
hsa-miR-1252-5p	-0.06	-0.06 N/A
hsa-miR-1252-5p	-0.06	-0.25 N/A
hsa-miR-1252-5p	-0.06	-0.12 N/A
hsa-miR-1252-5p	-0.06	-0.06 N/A
hsa-miR-1252-5p	-0.06	-0.06 N/A
hsa-miR-1252-5p	-0.06	-0.06 N/A
hsa-miR-1252-5p	-0.06	-0.06 N/A
hsa-miR-1252-5p	-0.06	-0.06 N/A
hsa-miR-1252-5p	-0.06	-0.17 N/A
hsa-miR-1252-5p	-0.06	-0.06 N/A
hsa-miR-1252-5p	-0.06	-0.19 N/A
hsa-miR-1252-5p	-0.06	-0.06 N/A
hsa-miR-1252-5p	-0.06	-0.14 N/A
hsa-miR-1252-5p	-0.06	-0.14 N/A
hsa-miR-1252-5p	-0.06	-0.07 N/A
hsa-miR-1252-5p	-0.06	-0.09 N/A
hsa-miR-1252-5p	-0.06	-0.14 N/A
hsa-miR-1252-5p	-0.06	-0.21 N/A
hsa-miR-1252-5p	-0.06	-0.06 N/A
hsa-miR-1252-5p	-0.06	-0.06 N/A
hsa-miR-1252-5p	-0.06	-0.09 N/A
hsa-miR-1252-5p	-0.06	-0.2 N/A
hsa-miR-1252-5p	-0.06	-0.06 N/A
hsa-miR-1252-5p	-0.06	-0.08 N/A
hsa-miR-1252-5p	-0.06	-0.13 N/A
hsa-miR-1252-5p	-0.06	-0.23 N/A
hsa-miR-1252-5p	-0.06	-0.06 N/A
hsa-miR-1252-5p	-0.06	-0.18 N/A
hsa-miR-1252-5p	-0.06	-0.06 N/A
hsa-miR-1252-5p	-0.06	-0.06 N/A
hsa-miR-1252-5p	-0.06	-0.06 N/A
hsa-miR-1252-5p	-0.06	-0.06 N/A
hsa-miR-1252-5p	-0.06	-0.06 N/A
hsa-miR-1252-5p	-0.06	-0.29 N/A
hsa-miR-1252-5p	-0.06	-0.13 N/A
hsa-miR-1252-5p	-0.06	-0.13 N/A
hsa-miR-1252-5p	-0.06	-0.06 N/A
hsa-miR-1252-5p	-0.06	-0.23 N/A
hsa-miR-1252-5p	-0.06	-0.06 N/A
hsa-miR-1252-5p	-0.06	-0.1 N/A

hsa-miR-1252-5p	-0.06	-0.06 N/A
hsa-miR-1252-5p	-0.06	-0.29 N/A
hsa-miR-1252-5p	-0.06	-0.21 N/A
hsa-miR-1252-5p	-0.06	-0.07 N/A
hsa-miR-1252-5p	-0.06	-0.21 N/A
hsa-miR-1252-5p	-0.06	-0.09 N/A
hsa-miR-1252-5p	-0.06	-0.19 N/A
hsa-miR-1252-5p	-0.06	-0.07 N/A
hsa-miR-1252-5p	-0.06	-0.06 N/A
hsa-miR-1252-5p	-0.06	-0.06 N/A
hsa-miR-1252-5p	-0.06	-0.06 N/A
hsa-miR-1252-5p	-0.06	-0.06 N/A
hsa-miR-1252-5p	-0.06	-0.06 N/A
hsa-miR-1252-5p	-0.06	-0.46 N/A
hsa-miR-1252-5p	-0.06	-0.07 N/A
hsa-miR-1252-5p	-0.06	-0.06 N/A
hsa-miR-1252-5p	-0.06	-0.06 N/A
hsa-miR-1252-5p	-0.06	-0.09 N/A
hsa-miR-1252-5p	-0.06	-0.31 N/A
hsa-miR-1252-5p	-0.06	-0.16 N/A
hsa-miR-1252-5p	-0.06	-0.1 N/A
hsa-miR-1252-5p	-0.06	-0.12 N/A
hsa-miR-1252-5p	-0.06	-0.09 N/A
hsa-miR-1252-5p	-0.06	-0.06 N/A
hsa-miR-1252-5p	-0.06	-0.14 N/A
hsa-miR-1252-5p	-0.06	-0.07 N/A
hsa-miR-1252-5p	-0.06	-0.06 N/A
hsa-miR-1252-5p	-0.06	-0.06 N/A
hsa-miR-1252-5p	-0.06	-0.06 N/A
hsa-miR-1252-5p	-0.06	-0.56 N/A
hsa-miR-1252-5p	-0.06	-0.06 N/A
hsa-miR-1252-5p	-0.06	-0.23 N/A
hsa-miR-1252-5p	-0.06	-0.06 N/A
hsa-miR-1252-5p	-0.06	-0.06 N/A
hsa-miR-1252-5p	-0.06	-0.06 N/A
hsa-miR-1252-5p	-0.06	-0.06 N/A
hsa-miR-1252-5p	-0.06	-0.06 N/A
hsa-miR-1252-5p	-0.06	-0.07 N/A
hsa-miR-1252-5p	-0.06	-0.06 N/A
hsa-miR-1252-5p	-0.06	-0.14 N/A
hsa-miR-1252-5p	-0.06	-0.15 N/A
hsa-miR-1252-5p	-0.06	-0.09 N/A
hsa-miR-1252-5p	-0.06	-0.06 N/A
hsa-miR-1252-5p	-0.06	-0.06 N/A
hsa-miR-1252-5p	-0.06	-0.06 N/A
hsa-miR-1252-5p	-0.06	-0.07 N/A
hsa-miR-1252-5p	-0.06	-0.23 N/A
hsa-miR-1252-5p	-0.06	-0.07 N/A
hsa-miR-1252-5p	-0.06	-0.07 N/A
hsa-miR-1252-5p	-0.06	-0.06 N/A
hsa-miR-1252-5p	-0.06	-0.15 N/A
hsa-miR-1252-5p	-0.06	-0.36 N/A
hsa-miR-1252-5p	-0.06	-0.06 N/A
hsa-miR-1252-5p	-0.06	-0.11 N/A

hsa-miR-1252-5p	-0.06	-0.06 N/A
hsa-miR-1252-5p	-0.06	-0.06 N/A
hsa-miR-1252-5p	-0.06	-0.06 N/A
hsa-miR-1252-5p	-0.06	-0.06 N/A
hsa-miR-1252-5p	-0.06	-0.06 N/A
hsa-miR-1252-5p	-0.06	-0.06 N/A
hsa-miR-1252-5p	-0.06	-0.06 N/A
hsa-miR-1252-5p	-0.06	-0.06 N/A
hsa-miR-1252-5p	-0.05	-0.06 N/A
hsa-miR-1252-5p	-0.05	-0.11 N/A
hsa-miR-1252-5p	-0.05	-0.2 N/A
hsa-miR-1252-5p	-0.05	-0.19 N/A
hsa-miR-1252-5p	-0.05	-0.11 N/A
hsa-miR-1252-5p	-0.05	-0.07 N/A
hsa-miR-1252-5p	-0.05	-0.16 N/A
hsa-miR-1252-5p	-0.05	-0.07 N/A
hsa-miR-1252-5p	-0.05	-0.32 N/A
hsa-miR-1252-5p	-0.05	-0.17 N/A
hsa-miR-1252-5p	-0.05	-0.07 N/A
hsa-miR-1252-5p	-0.05	-0.13 N/A
hsa-miR-1252-5p	-0.05	-0.06 N/A
hsa-miR-1252-5p	-0.05	-0.07 N/A
hsa-miR-1252-5p	-0.05	-0.05 N/A
hsa-miR-1252-5p	-0.05	-0.05 N/A
hsa-miR-1252-5p	-0.05	-0.08 N/A
hsa-miR-1252-5p	-0.05	-0.14 N/A
hsa-miR-1252-5p	-0.05	-0.67 N/A
hsa-miR-1252-5p	-0.05	-0.32 N/A
hsa-miR-1252-5p	-0.05	-0.06 N/A
hsa-miR-1252-5p	-0.05	-0.07 N/A
hsa-miR-1252-5p	-0.05	-0.06 N/A
hsa-miR-1252-5p	-0.05	-0.06 N/A
hsa-miR-1252-5p	-0.05	-0.06 N/A
hsa-miR-1252-5p	-0.05	-0.1 N/A
hsa-miR-1252-5p	-0.05	-0.35 N/A
hsa-miR-1252-5p	-0.05	-0.06 N/A
hsa-miR-1252-5p	-0.05	-0.05 N/A
hsa-miR-1252-5p	-0.05	-0.05 N/A
hsa-miR-1252-5p	-0.05	-0.05 N/A
hsa-miR-1252-5p	-0.05	-0.06 N/A
hsa-miR-1252-5p	-0.05	-0.06 N/A
hsa-miR-1252-5p	-0.05	-0.27 N/A
hsa-miR-1252-5p	-0.05	-0.17 N/A
hsa-miR-1252-5p	-0.05	-0.2 N/A
hsa-miR-1252-5p	-0.05	-0.12 N/A
hsa-miR-1252-5p	-0.05	-0.09 N/A
hsa-miR-1252-5p	-0.05	-0.05 N/A
hsa-miR-1252-5p	-0.05	-0.06 N/A
hsa-miR-1252-5p	-0.05	-0.09 N/A
hsa-miR-1252-5p	-0.05	-0.14 N/A
hsa-miR-1252-5p	-0.05	-0.18 N/A
hsa-miR-1252-5p	-0.05	-0.34 N/A
hsa-miR-1252-5p	-0.05	-0.12 N/A
hsa-miR-1252-5p	-0.05	-0.07 N/A

hsa-miR-1252-5p	-0.05	-0.05 N/A
hsa-miR-1252-5p	-0.05	-0.05 N/A
hsa-miR-1252-5p	-0.05	-0.05 N/A
hsa-miR-1252-5p	-0.05	-0.05 N/A
hsa-miR-1252-5p	-0.05	-0.05 N/A
hsa-miR-1252-5p	-0.05	-0.17 N/A
hsa-miR-1252-5p	-0.05	-0.05 N/A
hsa-miR-1252-5p	-0.05	-0.07 N/A
hsa-miR-1252-5p	-0.05	-0.07 N/A
hsa-miR-1252-5p	-0.05	-0.24 N/A
hsa-miR-1252-5p	-0.05	-0.06 N/A
hsa-miR-1252-5p	-0.05	-0.2 N/A
hsa-miR-1252-5p	-0.05	-0.16 N/A
hsa-miR-1252-5p	-0.05	-0.31 N/A
hsa-miR-1252-5p	-0.05	-0.1 N/A
hsa-miR-1252-5p	-0.05	-0.22 N/A
hsa-miR-1252-5p	-0.05	-0.1 N/A
hsa-miR-1252-5p	-0.05	-0.05 N/A
hsa-miR-1252-5p	-0.05	-0.05 N/A
hsa-miR-1252-5p	-0.05	-0.05 N/A
hsa-miR-1252-5p	-0.05	-0.23 N/A
hsa-miR-1252-5p	-0.05	-0.05 N/A
hsa-miR-1252-5p	-0.05	-0.24 N/A
hsa-miR-1252-5p	-0.05	-0.06 N/A
hsa-miR-1252-5p	-0.05	-0.05 N/A
hsa-miR-1252-5p	-0.05	-0.05 N/A
hsa-miR-1252-5p	-0.05	-0.05 N/A
hsa-miR-1252-5p	-0.05	-0.05 N/A
hsa-miR-1252-5p	-0.05	-0.05 N/A
hsa-miR-1252-5p	-0.05	-0.18 N/A
hsa-miR-1252-5p	-0.05	-0.07 N/A
hsa-miR-1252-5p	-0.05	-0.21 N/A
hsa-miR-1252-5p	-0.05	-0.21 N/A
hsa-miR-1252-5p	-0.05	-0.06 N/A
hsa-miR-1252-5p	-0.05	-0.05 N/A
hsa-miR-1252-5p	-0.05	-0.13 N/A
hsa-miR-1252-5p	-0.05	-0.06 N/A
hsa-miR-1252-5p	-0.05	-0.05 N/A
hsa-miR-1252-5p	-0.05	-0.54 N/A
hsa-miR-1252-5p	-0.05	-0.08 N/A
hsa-miR-1252-5p	-0.05	-0.18 N/A
hsa-miR-1252-5p	-0.05	-0.06 N/A
hsa-miR-1252-5p	-0.05	-0.05 N/A
hsa-miR-1252-5p	-0.05	-0.25 N/A
hsa-miR-1252-5p	-0.05	-0.22 N/A
hsa-miR-1252-5p	-0.05	-0.15 N/A
hsa-miR-1252-5p	-0.05	-0.09 N/A
hsa-miR-1252-5p	-0.05	-0.11 N/A
hsa-miR-1252-5p	-0.05	-0.17 N/A
hsa-miR-1252-5p	-0.05	-0.23 N/A
hsa-miR-1252-5p	-0.05	-0.05 N/A
hsa-miR-1252-5p	-0.05	-0.05 N/A
hsa-miR-1252-5p	-0.05	-0.05 N/A

hsa-miR-1252-5p	-0.05	-0.05 N/A
hsa-miR-1252-5p	-0.05	-0.05 N/A
hsa-miR-1252-5p	-0.05	-0.05 N/A
hsa-miR-1252-5p	-0.05	-0.05 N/A
hsa-miR-1252-5p	-0.05	-0.05 N/A
hsa-miR-1252-5p	-0.05	-0.05 N/A
hsa-miR-1252-5p	-0.05	-0.05 N/A
hsa-miR-1252-5p	-0.05	-0.05 N/A
hsa-miR-1252-5p	-0.05	-0.05 N/A
hsa-miR-1252-5p	-0.05	-0.05 N/A
hsa-miR-1252-5p	-0.05	-0.21 N/A
hsa-miR-1252-5p	-0.05	-0.28 N/A
hsa-miR-1252-5p	-0.05	-0.07 N/A
hsa-miR-1252-5p	-0.05	-0.14 N/A
hsa-miR-1252-5p	-0.05	-0.15 N/A
hsa-miR-1252-5p	-0.05	-0.21 N/A
hsa-miR-1252-5p	-0.05	-0.12 N/A
hsa-miR-1252-5p	-0.05	-0.06 N/A
hsa-miR-1252-5p	-0.05	-0.05 N/A
hsa-miR-1252-5p	-0.05	-0.17 N/A
hsa-miR-1252-5p	-0.05	-0.05 N/A
hsa-miR-1252-5p	-0.05	-0.05 N/A
hsa-miR-1252-5p	-0.05	-0.05 N/A
hsa-miR-1252-5p	-0.05	-0.05 N/A
hsa-miR-1252-5p	-0.05	-0.05 N/A
hsa-miR-1252-5p	-0.05	-0.05 N/A
hsa-miR-1252-5p	-0.05	-0.05 N/A
hsa-miR-1252-5p	-0.05	-0.25 N/A
hsa-miR-1252-5p	-0.05	-0.24 N/A
hsa-miR-1252-5p	-0.05	-0.09 N/A
hsa-miR-1252-5p	-0.05	-0.11 N/A
hsa-miR-1252-5p	-0.05	-0.1 N/A
hsa-miR-1252-5p	-0.05	-0.05 N/A
hsa-miR-1252-5p	-0.05	-0.38 N/A
hsa-miR-1252-5p	-0.05	-0.1 N/A
hsa-miR-1252-5p	-0.05	-0.05 N/A
hsa-miR-1252-5p	-0.05	-0.07 N/A
hsa-miR-1252-5p	-0.05	-0.07 N/A
hsa-miR-1252-5p	-0.05	-0.05 N/A
hsa-miR-1252-5p	-0.05	-0.18 N/A
hsa-miR-1252-5p	-0.05	-0.05 N/A
hsa-miR-1252-5p	-0.05	-0.05 N/A
hsa-miR-1252-5p	-0.05	-0.05 N/A
hsa-miR-1252-5p	-0.05	-0.05 N/A
hsa-miR-1252-5p	-0.05	-0.05 N/A
hsa-miR-1252-5p	-0.05	-0.05 N/A
hsa-miR-1252-5p	-0.05	-0.05 N/A
hsa-miR-1252-5p	-0.05	-0.12 N/A
hsa-miR-1252-5p	-0.05	-0.14 N/A

hsa-miR-1252-5p	-0.05	-0.95 N/A
hsa-miR-1252-5p	-0.05	-0.1 N/A
hsa-miR-1252-5p	-0.05	-0.34 N/A
hsa-miR-1252-5p	-0.05	-0.14 N/A
hsa-miR-1252-5p	-0.05	-0.05 N/A
hsa-miR-1252-5p	-0.05	-0.05 N/A
hsa-miR-1252-5p	-0.05	-0.05 N/A
hsa-miR-1252-5p	-0.05	-0.09 N/A
hsa-miR-1252-5p	-0.05	-0.06 N/A
hsa-miR-1252-5p	-0.05	-0.09 N/A
hsa-miR-1252-5p	-0.05	-0.31 N/A
hsa-miR-1252-5p	-0.05	-0.13 N/A
hsa-miR-1252-5p	-0.05	-0.08 N/A
hsa-miR-1252-5p	-0.05	-0.07 N/A
hsa-miR-1252-5p	-0.05	-0.05 N/A
hsa-miR-1252-5p	-0.05	-0.07 N/A
hsa-miR-1252-5p	-0.05	-0.05 N/A
hsa-miR-1252-5p	-0.05	-0.05 N/A
hsa-miR-1252-5p	-0.05	-0.05 N/A
hsa-miR-1252-5p	-0.05	-0.05 N/A
hsa-miR-1252-5p	-0.05	-0.2 N/A
hsa-miR-1252-5p	-0.05	-0.14 N/A
hsa-miR-1252-5p	-0.05	-0.06 N/A
hsa-miR-1252-5p	-0.05	-0.08 N/A
hsa-miR-1252-5p	-0.05	-0.12 N/A
hsa-miR-1252-5p	-0.05	-0.27 N/A
hsa-miR-1252-5p	-0.05	-0.13 N/A
hsa-miR-1252-5p	-0.05	-0.13 N/A
hsa-miR-1252-5p	-0.05	-0.17 N/A
hsa-miR-1252-5p	-0.05	-0.08 N/A
hsa-miR-1252-5p	-0.05	-0.36 N/A
hsa-miR-1252-5p	-0.05	-0.05 N/A
hsa-miR-1252-5p	-0.05	-0.05 N/A
hsa-miR-1252-5p	-0.05	-0.05 N/A
hsa-miR-1252-5p	-0.05	-0.05 N/A
hsa-miR-1252-5p	-0.05	-0.05 N/A
hsa-miR-1252-5p	-0.05	-0.05 N/A
hsa-miR-1252-5p	-0.05	-0.05 N/A
hsa-miR-1252-5p	-0.05	-0.05 N/A
hsa-miR-1252-5p	-0.05	-0.05 N/A
hsa-miR-1252-5p	-0.05	-0.05 N/A
hsa-miR-1252-5p	-0.05	-0.05 N/A
hsa-miR-1252-5p	-0.05	-0.19 N/A
hsa-miR-1252-5p	-0.05	-0.05 N/A
hsa-miR-1252-5p	-0.05	-0.05 N/A
hsa-miR-1252-5p	-0.05	-0.12 N/A
hsa-miR-1252-5p	-0.05	-0.1 N/A
hsa-miR-1252-5p	-0.05	-0.06 N/A
hsa-miR-1252-5p	-0.05	-0.12 N/A
hsa-miR-1252-5p	-0.05	-0.05 N/A
hsa-miR-1252-5p	-0.05	-0.07 N/A
hsa-miR-1252-5p	-0.05	-0.22 N/A
hsa-miR-1252-5p	-0.05	-0.09 N/A

hsa-miR-1252-5p	-0.05	-0.09 N/A
hsa-miR-1252-5p	-0.05	-0.05 N/A
hsa-miR-1252-5p	-0.05	-0.27 N/A
hsa-miR-1252-5p	-0.05	-0.05 N/A
hsa-miR-1252-5p	-0.05	-0.13 N/A
hsa-miR-1252-5p	-0.04	-0.04 N/A
hsa-miR-1252-5p	-0.04	-0.04 N/A
hsa-miR-1252-5p	-0.04	-0.04 N/A
hsa-miR-1252-5p	-0.04	-0.35 N/A
hsa-miR-1252-5p	-0.04	-0.04 N/A
hsa-miR-1252-5p	-0.04	-0.04 N/A
hsa-miR-1252-5p	-0.04	-0.06 N/A
hsa-miR-1252-5p	-0.04	-0.24 N/A
hsa-miR-1252-5p	-0.04	-0.24 N/A
hsa-miR-1252-5p	-0.04	-0.06 N/A
hsa-miR-1252-5p	-0.04	-0.14 N/A
hsa-miR-1252-5p	-0.04	-0.09 N/A
hsa-miR-1252-5p	-0.04	-0.13 N/A
hsa-miR-1252-5p	-0.04	-0.19 N/A
hsa-miR-1252-5p	-0.04	-0.42 N/A
hsa-miR-1252-5p	-0.04	-0.05 N/A
hsa-miR-1252-5p	-0.04	-0.1 N/A
hsa-miR-1252-5p	-0.04	-0.05 N/A
hsa-miR-1252-5p	-0.04	-0.04 N/A
hsa-miR-1252-5p	-0.04	-0.04 N/A
hsa-miR-1252-5p	-0.04	-0.17 N/A
hsa-miR-1252-5p	-0.04	-0.04 N/A
hsa-miR-1252-5p	-0.04	-0.04 N/A
hsa-miR-1252-5p	-0.04	-0.04 N/A
hsa-miR-1252-5p	-0.04	-0.04 N/A
hsa-miR-1252-5p	-0.04	-0.04 N/A
hsa-miR-1252-5p	-0.04	-0.04 N/A
hsa-miR-1252-5p	-0.04	-0.04 N/A
hsa-miR-1252-5p	-0.04	-0.04 N/A
hsa-miR-1252-5p	-0.04	-0.08 N/A
hsa-miR-1252-5p	-0.04	-0.04 N/A
hsa-miR-1252-5p	-0.04	-0.04 N/A
hsa-miR-1252-5p	-0.04	-0.1 N/A
hsa-miR-1252-5p	-0.04	-0.05 N/A
hsa-miR-1252-5p	-0.04	-0.06 N/A
hsa-miR-1252-5p	-0.04	-0.06 N/A
hsa-miR-1252-5p	-0.04	-0.04 N/A
hsa-miR-1252-5p	-0.04	-0.06 N/A
hsa-miR-1252-5p	-0.04	-0.29 N/A
hsa-miR-1252-5p	-0.04	-0.04 N/A
hsa-miR-1252-5p	-0.04	-0.06 N/A
hsa-miR-1252-5p	-0.04	-0.16 N/A
hsa-miR-1252-5p	-0.04	-0.08 N/A
hsa-miR-1252-5p	-0.04	-0.06 N/A
hsa-miR-1252-5p	-0.04	-0.15 N/A
hsa-miR-1252-5p	-0.04	-0.12 N/A
hsa-miR-1252-5p	-0.04	-0.04 N/A
hsa-miR-1252-5p	-0.04	-0.04 N/A
hsa-miR-1252-5p	-0.04	-0.14 N/A
hsa-miR-1252-5p	-0.04	-0.04 N/A
hsa-miR-1252-5p	-0.04	-0.04 N/A
hsa-miR-1252-5p	-0.04	-0.07 N/A

hsa-miR-1252-5p	-0.04	-0.04 N/A
hsa-miR-1252-5p	-0.04	-0.14 N/A
hsa-miR-1252-5p	-0.04	-0.04 N/A
hsa-miR-1252-5p	-0.04	-0.06 N/A
hsa-miR-1252-5p	-0.04	-0.04 N/A
hsa-miR-1252-5p	-0.04	-0.04 N/A
hsa-miR-1252-5p	-0.04	-0.04 N/A
hsa-miR-1252-5p	-0.04	-0.05 N/A
hsa-miR-1252-5p	-0.04	-0.17 N/A
hsa-miR-1252-5p	-0.04	-0.15 N/A
hsa-miR-1252-5p	-0.04	-0.21 N/A
hsa-miR-1252-5p	-0.04	-0.27 N/A
hsa-miR-1252-5p	-0.04	-0.04 N/A
hsa-miR-1252-5p	-0.04	-0.2 N/A
hsa-miR-1252-5p	-0.04	-0.05 N/A
hsa-miR-1252-5p	-0.04	-0.09 N/A
hsa-miR-1252-5p	-0.04	-0.17 N/A
hsa-miR-1252-5p	-0.04	-0.1 N/A
hsa-miR-1252-5p	-0.04	-0.04 N/A
hsa-miR-1252-5p	-0.04	-0.04 N/A
hsa-miR-1252-5p	-0.04	-0.05 N/A
hsa-miR-1252-5p	-0.04	-0.04 N/A
hsa-miR-1252-5p	-0.04	-0.04 N/A
hsa-miR-1252-5p	-0.04	-0.04 N/A
hsa-miR-1252-5p	-0.04	-0.04 N/A
hsa-miR-1252-5p	-0.04	-0.04 N/A
hsa-miR-1252-5p	-0.04	-0.04 N/A
hsa-miR-1252-5p	-0.04	-0.04 N/A
hsa-miR-1252-5p	-0.04	-0.04 N/A
hsa-miR-1252-5p	-0.04	-0.04 N/A
hsa-miR-1252-5p	-0.04	-0.04 N/A
hsa-miR-1252-5p	-0.04	-0.36 N/A
hsa-miR-1252-5p	-0.04	-0.05 N/A
hsa-miR-1252-5p	-0.04	-0.47 N/A
hsa-miR-1252-5p	-0.04	-0.05 N/A
hsa-miR-1252-5p	-0.04	-0.2 N/A
hsa-miR-1252-5p	-0.04	-0.35 N/A
hsa-miR-1252-5p	-0.04	-0.06 N/A
hsa-miR-1252-5p	-0.04	-0.44 N/A
hsa-miR-1252-5p	-0.04	-0.13 N/A
hsa-miR-1252-5p	-0.04	-0.55 N/A
hsa-miR-1252-5p	-0.04	-0.2 N/A
hsa-miR-1252-5p	-0.04	-0.05 N/A
hsa-miR-1252-5p	-0.04	-0.04 N/A
hsa-miR-1252-5p	-0.04	-0.3 N/A
hsa-miR-1252-5p	-0.04	-0.04 N/A
hsa-miR-1252-5p	-0.04	-0.04 N/A
hsa-miR-1252-5p	-0.04	-0.26 N/A
hsa-miR-1252-5p	-0.04	-0.08 N/A
hsa-miR-1252-5p	-0.04	-0.08 N/A
hsa-miR-1252-5p	-0.04	-0.15 N/A
hsa-miR-1252-5p	-0.04	-0.13 N/A
hsa-miR-1252-5p	-0.04	-0.1 N/A
hsa-miR-1252-5p	-0.04	-0.07 N/A
hsa-miR-1252-5p	-0.04	-0.19 N/A
hsa-miR-1252-5p	-0.04	-0.05 N/A

hsa-miR-1252-5p	-0.04	-0.05 N/A
hsa-miR-1252-5p	-0.04	-0.06 N/A
hsa-miR-1252-5p	-0.04	-0.23 N/A
hsa-miR-1252-5p	-0.04	-0.31 N/A
hsa-miR-1252-5p	-0.04	-0.18 N/A
hsa-miR-1252-5p	-0.04	-0.23 N/A
hsa-miR-1252-5p	-0.04	-0.04 N/A
hsa-miR-1252-5p	-0.04	-0.04 N/A
hsa-miR-1252-5p	-0.04	-0.04 N/A
hsa-miR-1252-5p	-0.04	-0.04 N/A
hsa-miR-1252-5p	-0.04	-0.09 N/A
hsa-miR-1252-5p	-0.04	-0.04 N/A
hsa-miR-1252-5p	-0.04	-0.04 N/A
hsa-miR-1252-5p	-0.04	-0.04 N/A
hsa-miR-1252-5p	-0.04	-0.04 N/A
hsa-miR-1252-5p	-0.04	-0.27 N/A
hsa-miR-1252-5p	-0.04	-0.2 N/A
hsa-miR-1252-5p	-0.04	-0.29 N/A
hsa-miR-1252-5p	-0.04	-0.1 N/A
hsa-miR-1252-5p	-0.04	-0.04 N/A
hsa-miR-1252-5p	-0.04	-0.11 N/A
hsa-miR-1252-5p	-0.04	-0.04 N/A
hsa-miR-1252-5p	-0.04	-0.14 N/A
hsa-miR-1252-5p	-0.04	-0.04 N/A
hsa-miR-1252-5p	-0.04	-0.04 N/A
hsa-miR-1252-5p	-0.04	-0.04 N/A
hsa-miR-1252-5p	-0.04	-0.11 N/A
hsa-miR-1252-5p	-0.04	-0.12 N/A
hsa-miR-1252-5p	-0.04	-0.09 N/A
hsa-miR-1252-5p	-0.04	-0.06 N/A
hsa-miR-1252-5p	-0.04	-0.04 N/A
hsa-miR-1252-5p	-0.04	-0.04 N/A
hsa-miR-1252-5p	-0.04	-0.23 N/A
hsa-miR-1252-5p	-0.04	-0.06 N/A
hsa-miR-1252-5p	-0.04	-0.19 N/A
hsa-miR-1252-5p	-0.04	-0.4 N/A
hsa-miR-1252-5p	-0.04	-0.04 N/A
hsa-miR-1252-5p	-0.04	-0.04 N/A
hsa-miR-1252-5p	-0.04	-0.18 N/A
hsa-miR-1252-5p	-0.04	-0.1 N/A
hsa-miR-1252-5p	-0.04	-0.04 N/A
hsa-miR-1252-5p	-0.04	-0.12 N/A
hsa-miR-1252-5p	-0.04	-0.04 N/A
hsa-miR-1252-5p	-0.04	-0.04 N/A
hsa-miR-1252-5p	-0.04	-0.04 N/A
hsa-miR-1252-5p	-0.04	-0.04 N/A
hsa-miR-1252-5p	-0.04	-0.04 N/A
hsa-miR-1252-5p	-0.04	-0.05 N/A
hsa-miR-1252-5p	-0.04	-0.2 N/A
hsa-miR-1252-5p	-0.04	-0.07 N/A
hsa-miR-1252-5p	-0.04	-0.18 N/A
hsa-miR-1252-5p	-0.04	-0.07 N/A
hsa-miR-1252-5p	-0.04	-0.1 N/A
hsa-miR-1252-5p	-0.04	-0.19 N/A

hsa-miR-1252-5p	-0.04	-0.07 N/A
hsa-miR-1252-5p	-0.04	-0.05 N/A
hsa-miR-1252-5p	-0.04	-0.1 N/A
hsa-miR-1252-5p	-0.04	-0.16 N/A
hsa-miR-1252-5p	-0.04	-0.04 N/A
hsa-miR-1252-5p	-0.04	-0.04 N/A
hsa-miR-1252-5p	-0.04	-0.04 N/A
hsa-miR-1252-5p	-0.04	-0.04 N/A
hsa-miR-1252-5p	-0.04	-0.14 N/A
hsa-miR-1252-5p	-0.04	-0.04 N/A
hsa-miR-1252-5p	-0.04	-0.04 N/A
hsa-miR-1252-5p	-0.04	-0.17 N/A
hsa-miR-1252-5p	-0.04	-0.08 N/A
hsa-miR-1252-5p	-0.04	-0.32 N/A
hsa-miR-1252-5p	-0.04	-0.04 N/A
hsa-miR-1252-5p	-0.04	-0.16 N/A
hsa-miR-1252-5p	-0.04	-0.04 N/A
hsa-miR-1252-5p	-0.04	-0.06 N/A
hsa-miR-1252-5p	-0.04	-0.04 N/A
hsa-miR-1252-5p	-0.04	-0.04 N/A
hsa-miR-1252-5p	-0.04	-0.14 N/A
hsa-miR-1252-5p	-0.04	-0.15 N/A
hsa-miR-1252-5p	-0.04	-0.04 N/A
hsa-miR-1252-5p	-0.04	-0.28 N/A
hsa-miR-1252-5p	-0.04	-0.04 N/A
hsa-miR-1252-5p	-0.04	-0.04 N/A
hsa-miR-1252-5p	-0.03	-0.07 N/A
hsa-miR-1252-5p	-0.03	-0.4 N/A
hsa-miR-1252-5p	-0.03	-0.04 N/A
hsa-miR-1252-5p	-0.03	-0.04 N/A
hsa-miR-1252-5p	-0.03	-0.12 N/A
hsa-miR-1252-5p	-0.03	-0.05 N/A
hsa-miR-1252-5p	-0.03	-0.04 N/A
hsa-miR-1252-5p	-0.03	-0.14 N/A
hsa-miR-1252-5p	-0.03	-0.18 N/A
hsa-miR-1252-5p	-0.03	-0.16 N/A
hsa-miR-1252-5p	-0.03	-0.25 N/A
hsa-miR-1252-5p	-0.03	-0.06 N/A
hsa-miR-1252-5p	-0.03	-0.03 N/A
hsa-miR-1252-5p	-0.03	-0.03 N/A
hsa-miR-1252-5p	-0.03	-0.03 N/A
hsa-miR-1252-5p	-0.03	-0.03 N/A
hsa-miR-1252-5p	-0.03	-0.03 N/A
hsa-miR-1252-5p	-0.03	-0.03 N/A
hsa-miR-1252-5p	-0.03	-0.03 N/A
hsa-miR-1252-5p	-0.03	-0.03 N/A
hsa-miR-1252-5p	-0.03	-0.03 N/A
hsa-miR-1252-5p	-0.03	-0.03 N/A
hsa-miR-1252-5p	-0.03	-0.03 N/A
hsa-miR-1252-5p	-0.03	-0.03 N/A
hsa-miR-1252-5p	-0.03	-0.03 N/A
hsa-miR-1252-5p	-0.03	-0.03 N/A
hsa-miR-1252-5p	-0.03	-0.04 N/A
hsa-miR-1252-5p	-0.03	-0.05 N/A
hsa-miR-1252-5p	-0.03	-0.2 N/A
hsa-miR-1252-5p	-0.03	-0.23 N/A
hsa-miR-1252-5p	-0.03	-0.14 N/A
hsa-miR-1252-5p	-0.03	-0.04 N/A

hsa-miR-1252-5p	-0.03	-0.1 N/A
hsa-miR-1252-5p	-0.03	-0.1 N/A
hsa-miR-1252-5p	-0.03	-0.14 N/A
hsa-miR-1252-5p	-0.03	-0.14 N/A
hsa-miR-1252-5p	-0.03	-0.03 N/A
hsa-miR-1252-5p	-0.03	-0.47 N/A
hsa-miR-1252-5p	-0.03	-0.05 N/A
hsa-miR-1252-5p	-0.03	-0.14 N/A
hsa-miR-1252-5p	-0.03	-0.06 N/A
hsa-miR-1252-5p	-0.03	-0.4 N/A
hsa-miR-1252-5p	-0.03	-0.07 N/A
hsa-miR-1252-5p	-0.03	-0.28 N/A
hsa-miR-1252-5p	-0.03	-0.03 N/A
hsa-miR-1252-5p	-0.03	-0.03 N/A
hsa-miR-1252-5p	-0.03	-0.03 N/A
hsa-miR-1252-5p	-0.03	-0.1 N/A
hsa-miR-1252-5p	-0.03	-0.08 N/A
hsa-miR-1252-5p	-0.03	-0.05 N/A
hsa-miR-1252-5p	-0.03	-0.1 N/A
hsa-miR-1252-5p	-0.03	-0.04 N/A
hsa-miR-1252-5p	-0.03	-0.14 N/A
hsa-miR-1252-5p	-0.03	-0.11 N/A
hsa-miR-1252-5p	-0.03	-0.08 N/A
hsa-miR-1252-5p	-0.03	-0.06 N/A
hsa-miR-1252-5p	-0.03	-0.41 N/A
hsa-miR-1252-5p	-0.03	-0.08 N/A
hsa-miR-1252-5p	-0.03	-0.21 N/A
hsa-miR-1252-5p	-0.03	-0.05 N/A
hsa-miR-1252-5p	-0.03	-0.15 N/A
hsa-miR-1252-5p	-0.03	-0.03 N/A
hsa-miR-1252-5p	-0.03	-0.03 N/A
hsa-miR-1252-5p	-0.03	-0.03 N/A
hsa-miR-1252-5p	-0.03	-0.07 N/A
hsa-miR-1252-5p	-0.03	-0.07 N/A
hsa-miR-1252-5p	-0.03	-0.26 N/A
hsa-miR-1252-5p	-0.03	-0.09 N/A
hsa-miR-1252-5p	-0.03	-0.07 N/A
hsa-miR-1252-5p	-0.03	-0.21 N/A
hsa-miR-1252-5p	-0.03	-0.08 N/A
hsa-miR-1252-5p	-0.03	-0.25 N/A
hsa-miR-1252-5p	-0.03	-0.2 N/A
hsa-miR-1252-5p	-0.03	-0.14 N/A
hsa-miR-1252-5p	-0.03	-0.06 N/A
hsa-miR-1252-5p	-0.03	-0.04 N/A
hsa-miR-1252-5p	-0.03	-0.03 N/A
hsa-miR-1252-5p	-0.03	-0.03 N/A
hsa-miR-1252-5p	-0.03	-0.03 N/A
hsa-miR-1252-5p	-0.03	-0.04 N/A
hsa-miR-1252-5p	-0.03	-0.14 N/A
hsa-miR-1252-5p	-0.03	-0.03 N/A
hsa-miR-1252-5p	-0.03	-0.03 N/A
hsa-miR-1252-5p	-0.03	-0.03 N/A
hsa-miR-1252-5p	-0.03	-0.03 N/A
hsa-miR-1252-5p	-0.03	-0.14 N/A
hsa-miR-1252-5p	-0.03	-0.17 N/A

hsa-miR-1252-5p	-0.03	-0.14 N/A
hsa-miR-1252-5p	-0.03	-0.03 N/A
hsa-miR-1252-5p	-0.03	-0.04 N/A
hsa-miR-1252-5p	-0.03	-0.03 N/A
hsa-miR-1252-5p	-0.03	-0.03 N/A
hsa-miR-1252-5p	-0.03	-0.22 N/A
hsa-miR-1252-5p	-0.03	-0.09 N/A
hsa-miR-1252-5p	-0.03	-0.03 N/A
hsa-miR-1252-5p	-0.03	-0.12 N/A
hsa-miR-1252-5p	-0.03	-0.07 N/A
hsa-miR-1252-5p	-0.03	-0.09 N/A
hsa-miR-1252-5p	-0.03	-0.09 N/A
hsa-miR-1252-5p	-0.03	-0.2 N/A
hsa-miR-1252-5p	-0.03	-0.06 N/A
hsa-miR-1252-5p	-0.03	-0.03 N/A
hsa-miR-1252-5p	-0.03	-0.17 N/A
hsa-miR-1252-5p	-0.03	-0.09 N/A
hsa-miR-1252-5p	-0.03	-0.27 N/A
hsa-miR-1252-5p	-0.03	-0.06 N/A
hsa-miR-1252-5p	-0.03	-0.03 N/A
hsa-miR-1252-5p	-0.03	-0.24 N/A
hsa-miR-1252-5p	-0.03	-0.03 N/A
hsa-miR-1252-5p	-0.03	-0.03 N/A
hsa-miR-1252-5p	-0.03	-0.03 N/A
hsa-miR-1252-5p	-0.03	-0.03 N/A
hsa-miR-1252-5p	-0.03	-0.11 N/A
hsa-miR-1252-5p	-0.03	-0.03 N/A
hsa-miR-1252-5p	-0.03	-0.05 N/A
hsa-miR-1252-5p	-0.03	-0.03 N/A
hsa-miR-1252-5p	-0.03	-0.13 N/A
hsa-miR-1252-5p	-0.03	-0.25 N/A
hsa-miR-1252-5p	-0.03	-0.07 N/A
hsa-miR-1252-5p	-0.03	-0.05 N/A
hsa-miR-1252-5p	-0.03	-0.03 N/A
hsa-miR-1252-5p	-0.03	-0.03 N/A
hsa-miR-1252-5p	-0.03	-0.03 N/A
hsa-miR-1252-5p	-0.03	-0.03 N/A
hsa-miR-1252-5p	-0.03	-0.07 N/A
hsa-miR-1252-5p	-0.03	-0.08 N/A
hsa-miR-1252-5p	-0.03	-0.03 N/A
hsa-miR-1252-5p	-0.03	-0.11 N/A
hsa-miR-1252-5p	-0.03	-0.03 N/A
hsa-miR-1252-5p	-0.03	-0.08 N/A
hsa-miR-1252-5p	-0.03	-0.13 N/A
hsa-miR-1252-5p	-0.03	-0.06 N/A
hsa-miR-1252-5p	-0.03	-0.1 N/A
hsa-miR-1252-5p	-0.03	-0.08 N/A
hsa-miR-1252-5p	-0.03	-0.03 N/A
hsa-miR-1252-5p	-0.03	-0.1 N/A
hsa-miR-1252-5p	-0.03	-0.15 N/A
hsa-miR-1252-5p	-0.03	-0.53 N/A
hsa-miR-1252-5p	-0.03	-0.08 N/A
hsa-miR-1252-5p	-0.03	-0.12 N/A
hsa-miR-1252-5p	-0.03	-0.03 N/A

hsa-miR-1252-5p	-0.03	-0.03 N/A
hsa-miR-1252-5p	-0.03	-0.03 N/A
hsa-miR-1252-5p	-0.03	-0.03 N/A
hsa-miR-1252-5p	-0.03	-0.03 N/A
hsa-miR-1252-5p	-0.03	-0.03 N/A
hsa-miR-1252-5p	-0.03	-0.03 N/A
hsa-miR-1252-5p	-0.03	-0.04 N/A
hsa-miR-1252-5p	-0.03	-0.12 N/A
hsa-miR-1252-5p	-0.03	-0.11 N/A
hsa-miR-1252-5p	-0.03	-0.07 N/A
hsa-miR-1252-5p	-0.03	-0.03 N/A
hsa-miR-1252-5p	-0.03	-0.08 N/A
hsa-miR-1252-5p	-0.03	-0.03 N/A
hsa-miR-1252-5p	-0.03	-0.27 N/A
hsa-miR-1252-5p	-0.03	-0.12 N/A
hsa-miR-1252-5p	-0.03	-0.14 N/A
hsa-miR-1252-5p	-0.03	-0.03 N/A
hsa-miR-1252-5p	-0.03	-0.08 N/A
hsa-miR-1252-5p	-0.03	-0.29 N/A
hsa-miR-1252-5p	-0.03	-0.03 N/A
hsa-miR-1252-5p	-0.03	-0.04 N/A
hsa-miR-1252-5p	-0.03	-0.12 N/A
hsa-miR-1252-5p	-0.03	-0.05 N/A
hsa-miR-1252-5p	-0.03	-0.16 N/A
hsa-miR-1252-5p	-0.03	-0.04 N/A
hsa-miR-1252-5p	-0.03	-0.12 N/A
hsa-miR-1252-5p	-0.03	-0.05 N/A
hsa-miR-1252-5p	-0.03	-0.15 N/A
hsa-miR-1252-5p	-0.03	-0.03 N/A
hsa-miR-1252-5p	-0.03	-0.03 N/A
hsa-miR-1252-5p	-0.03	-0.28 N/A
hsa-miR-1252-5p	-0.03	-0.03 N/A
hsa-miR-1252-5p	-0.03	-0.06 N/A
hsa-miR-1252-5p	-0.03	-0.03 N/A
hsa-miR-1252-5p	-0.03	-0.06 N/A
hsa-miR-1252-5p	-0.03	-0.04 N/A
hsa-miR-1252-5p	-0.03	-0.04 N/A
hsa-miR-1252-5p	-0.03	-0.04 N/A
hsa-miR-1252-5p	-0.03	-0.22 N/A
hsa-miR-1252-5p	-0.03	-0.08 N/A
hsa-miR-1252-5p	-0.03	-0.03 N/A
hsa-miR-1252-5p	-0.03	-0.12 N/A
hsa-miR-1252-5p	-0.03	-0.19 N/A
hsa-miR-1252-5p	-0.03	-0.04 N/A
hsa-miR-1252-5p	-0.03	-0.07 N/A
hsa-miR-1252-5p	-0.03	-0.03 N/A
hsa-miR-1252-5p	-0.03	-0.15 N/A
hsa-miR-1252-5p	-0.03	-0.04 N/A
hsa-miR-1252-5p	-0.03	-0.04 N/A
hsa-miR-1252-5p	-0.03	-0.03 N/A
hsa-miR-1252-5p	-0.03	-0.06 N/A
hsa-miR-1252-5p	-0.03	-0.03 N/A
hsa-miR-1252-5p	-0.03	-0.06 N/A
hsa-miR-1252-5p	-0.03	-0.09 N/A

hsa-miR-1252-5p	-0.03	-0.08 N/A
hsa-miR-1252-5p	-0.03	-0.12 N/A
hsa-miR-1252-5p	-0.03	-0.11 N/A
hsa-miR-1252-5p	-0.03	-0.03 N/A
hsa-miR-1252-5p	-0.03	-0.2 N/A
hsa-miR-1252-5p	-0.03	-0.15 N/A
hsa-miR-1252-5p	-0.03	-0.05 N/A
hsa-miR-1252-5p	-0.03	-0.03 N/A
hsa-miR-1252-5p	-0.03	-0.08 N/A
hsa-miR-1252-5p	-0.03	-0.03 N/A
hsa-miR-1252-5p	-0.03	-0.03 N/A
hsa-miR-1252-5p	-0.03	-0.41 N/A
hsa-miR-1252-5p	-0.03	-0.03 N/A
hsa-miR-1252-5p	-0.03	-0.05 N/A
hsa-miR-1252-5p	-0.03	-0.24 N/A
hsa-miR-1252-5p	-0.03	-0.18 N/A
hsa-miR-1252-5p	-0.03	-0.03 N/A
hsa-miR-1252-5p	-0.03	-0.03 N/A
hsa-miR-1252-5p	-0.03	-0.06 N/A
hsa-miR-1252-5p	-0.03	-0.03 N/A
hsa-miR-1252-5p	-0.03	-0.03 N/A
hsa-miR-1252-5p	-0.03	-0.17 N/A
hsa-miR-1252-5p	-0.03	-0.21 N/A
hsa-miR-1252-5p	-0.03	-0.04 N/A
hsa-miR-1252-5p	-0.03	-0.31 N/A
hsa-miR-1252-5p	-0.03	-0.03 N/A
hsa-miR-1252-5p	-0.03	-0.2 N/A
hsa-miR-1252-5p	-0.03	-0.5 N/A
hsa-miR-1252-5p	-0.03	-0.39 N/A
hsa-miR-1252-5p	-0.03	-0.03 N/A
hsa-miR-1252-5p	-0.03	-0.22 N/A
hsa-miR-1252-5p	-0.03	-0.03 N/A
hsa-miR-1252-5p	-0.03	-0.03 N/A
hsa-miR-1252-5p	-0.03	-0.03 N/A
hsa-miR-1252-5p	-0.02	-0.31 N/A
hsa-miR-1252-5p	-0.02	-0.1 N/A
hsa-miR-1252-5p	-0.02	-0.23 N/A
hsa-miR-1252-5p	-0.02	-0.09 N/A
hsa-miR-1252-5p	-0.02	-0.1 N/A
hsa-miR-1252-5p	-0.02	-0.17 N/A
hsa-miR-1252-5p	-0.02	-0.22 N/A
hsa-miR-1252-5p	-0.02	-0.09 N/A
hsa-miR-1252-5p	-0.02	-0.39 N/A
hsa-miR-1252-5p	-0.02	-0.03 N/A
hsa-miR-1252-5p	-0.02	-0.04 N/A
hsa-miR-1252-5p	-0.02	-0.05 N/A
hsa-miR-1252-5p	-0.02	-0.03 N/A
hsa-miR-1252-5p	-0.02	-0.04 N/A
hsa-miR-1252-5p	-0.02	-0.19 N/A
hsa-miR-1252-5p	-0.02	-0.09 N/A
hsa-miR-1252-5p	-0.02	-0.23 N/A
hsa-miR-1252-5p	-0.02	-0.14 N/A
hsa-miR-1252-5p	-0.02	-0.02 N/A
hsa-miR-1252-5p	-0.02	-0.02 N/A

hsa-miR-1252-5p	-0.02	-0.02 N/A
hsa-miR-1252-5p	-0.02	-0.06 N/A
hsa-miR-1252-5p	-0.02	-0.07 N/A
hsa-miR-1252-5p	-0.02	-0.19 N/A
hsa-miR-1252-5p	-0.02	-0.11 N/A
hsa-miR-1252-5p	-0.02	-0.05 N/A
hsa-miR-1252-5p	-0.02	-0.15 N/A
hsa-miR-1252-5p	-0.02	-0.11 N/A
hsa-miR-1252-5p	-0.02	-0.25 N/A
hsa-miR-1252-5p	-0.02	-0.14 N/A
hsa-miR-1252-5p	-0.02	-0.03 N/A
hsa-miR-1252-5p	-0.02	-0.12 N/A
hsa-miR-1252-5p	-0.02	-0.24 N/A
hsa-miR-1252-5p	-0.02	-0.2 N/A
hsa-miR-1252-5p	-0.02	-0.08 N/A
hsa-miR-1252-5p	-0.02	-0.06 N/A
hsa-miR-1252-5p	-0.02	-0.1 N/A
hsa-miR-1252-5p	-0.02	-0.08 N/A
hsa-miR-1252-5p	-0.02	-0.02 N/A
hsa-miR-1252-5p	-0.02	-0.12 N/A
hsa-miR-1252-5p	-0.02	-0.1 N/A
hsa-miR-1252-5p	-0.02	-0.08 N/A
hsa-miR-1252-5p	-0.02	-0.13 N/A
hsa-miR-1252-5p	-0.02	-0.27 N/A
hsa-miR-1252-5p	-0.02	-0.05 N/A
hsa-miR-1252-5p	-0.02	-0.07 N/A
hsa-miR-1252-5p	-0.02	-0.09 N/A
hsa-miR-1252-5p	-0.02	-0.02 N/A
hsa-miR-1252-5p	-0.02	-0.02 N/A
hsa-miR-1252-5p	-0.02	-0.17 N/A
hsa-miR-1252-5p	-0.02	-0.1 N/A
hsa-miR-1252-5p	-0.02	-0.05 N/A
hsa-miR-1252-5p	-0.02	-0.03 N/A
hsa-miR-1252-5p	-0.02	-0.08 N/A
hsa-miR-1252-5p	-0.02	-0.04 N/A
hsa-miR-1252-5p	-0.02	-0.04 N/A
hsa-miR-1252-5p	-0.02	-0.04 N/A
hsa-miR-1252-5p	-0.02	-0.18 N/A
hsa-miR-1252-5p	-0.02	-0.38 N/A
hsa-miR-1252-5p	-0.02	-0.03 N/A
hsa-miR-1252-5p	-0.02	-0.03 N/A
hsa-miR-1252-5p	-0.02	-0.03 N/A
hsa-miR-1252-5p	-0.02	-0.09 N/A
hsa-miR-1252-5p	-0.02	-0.03 N/A
hsa-miR-1252-5p	-0.02	-0.03 N/A
hsa-miR-1252-5p	-0.02	-0.07 N/A
hsa-miR-1252-5p	-0.02	-0.09 N/A
hsa-miR-1252-5p	-0.02	-0.16 N/A
hsa-miR-1252-5p	-0.02	-0.1 N/A
hsa-miR-1252-5p	-0.02	-0.05 N/A
hsa-miR-1252-5p	-0.02	-0.1 N/A
hsa-miR-1252-5p	-0.02	-0.34 N/A
hsa-miR-1252-5p	-0.02	-0.03 N/A
hsa-miR-1252-5p	-0.02	-0.02 N/A

hsa-miR-1252-5p	-0.02	-0.02 N/A
hsa-miR-1252-5p	-0.02	-0.02 N/A
hsa-miR-1252-5p	-0.02	-0.02 N/A
hsa-miR-1252-5p	-0.02	-0.02 N/A
hsa-miR-1252-5p	-0.02	-0.02 N/A
hsa-miR-1252-5p	-0.02	-0.18 N/A
hsa-miR-1252-5p	-0.02	-0.17 N/A
hsa-miR-1252-5p	-0.02	-0.04 N/A
hsa-miR-1252-5p	-0.02	-0.24 N/A
hsa-miR-1252-5p	-0.02	-0.09 N/A
hsa-miR-1252-5p	-0.02	-0.99 N/A
hsa-miR-1252-5p	-0.02	-0.23 N/A
hsa-miR-1252-5p	-0.02	-0.1 N/A
hsa-miR-1252-5p	-0.02	-0.12 N/A
hsa-miR-1252-5p	-0.02	-0.23 N/A
hsa-miR-1252-5p	-0.02	-0.08 N/A
hsa-miR-1252-5p	-0.02	-0.04 N/A
hsa-miR-1252-5p	-0.02	-0.02 N/A
hsa-miR-1252-5p	-0.02	-0.1 N/A
hsa-miR-1252-5p	-0.02	-0.03 N/A
hsa-miR-1252-5p	-0.02	-0.29 N/A
hsa-miR-1252-5p	-0.02	-0.19 N/A
hsa-miR-1252-5p	-0.02	-0.02 N/A
hsa-miR-1252-5p	-0.02	-0.02 N/A
hsa-miR-1252-5p	-0.02	-0.02 N/A
hsa-miR-1252-5p	-0.02	-0.02 N/A
hsa-miR-1252-5p	-0.02	-0.03 N/A
hsa-miR-1252-5p	-0.02	-0.05 N/A
hsa-miR-1252-5p	-0.02	-0.33 N/A
hsa-miR-1252-5p	-0.02	-0.09 N/A
hsa-miR-1252-5p	-0.02	-0.05 N/A
hsa-miR-1252-5p	-0.02	-0.12 N/A
hsa-miR-1252-5p	-0.02	-0.17 N/A
hsa-miR-1252-5p	-0.02	-0.07 N/A
hsa-miR-1252-5p	-0.02	-0.19 N/A
hsa-miR-1252-5p	-0.02	-0.15 N/A
hsa-miR-1252-5p	-0.02	-0.21 N/A
hsa-miR-1252-5p	-0.02	-0.04 N/A
hsa-miR-1252-5p	-0.02	-0.03 N/A
hsa-miR-1252-5p	-0.02	-0.04 N/A
hsa-miR-1252-5p	-0.02	-0.21 N/A
hsa-miR-1252-5p	-0.02	-0.02 N/A
hsa-miR-1252-5p	-0.02	-0.14 N/A
hsa-miR-1252-5p	-0.02	-0.19 N/A
hsa-miR-1252-5p	-0.02	-0.13 N/A
hsa-miR-1252-5p	-0.02	-0.44 N/A
hsa-miR-1252-5p	-0.02	-0.07 N/A
hsa-miR-1252-5p	-0.02	-0.02 N/A
hsa-miR-1252-5p	-0.02	-0.02 N/A
hsa-miR-1252-5p	-0.02	-0.02 N/A
hsa-miR-1252-5p	-0.02	-0.02 N/A
hsa-miR-1252-5p	-0.02	-0.02 N/A

hsa-miR-1252-5p	-0.02	-0.02 N/A
hsa-miR-1252-5p	-0.02	-0.3 N/A
hsa-miR-1252-5p	-0.02	-0.1 N/A
hsa-miR-1252-5p	-0.02	-0.02 N/A
hsa-miR-1252-5p	-0.02	-0.02 N/A
hsa-miR-1252-5p	-0.02	-0.02 N/A
hsa-miR-1252-5p	-0.02	-0.02 N/A
hsa-miR-1252-5p	-0.02	-0.02 N/A
hsa-miR-1252-5p	-0.02	-0.07 N/A
hsa-miR-1252-5p	-0.02	-0.11 N/A
hsa-miR-1252-5p	-0.02	-0.02 N/A
hsa-miR-1252-5p	-0.02	-0.02 N/A
hsa-miR-1252-5p	-0.02	-0.02 N/A
hsa-miR-1252-5p	-0.02	-0.11 N/A
hsa-miR-1252-5p	-0.02	-0.02 N/A
hsa-miR-1252-5p	-0.02	-0.02 N/A
hsa-miR-1252-5p	-0.02	-0.1 N/A
hsa-miR-1252-5p	-0.02	-0.18 N/A
hsa-miR-1252-5p	-0.02	-0.04 N/A
hsa-miR-1252-5p	-0.02	-0.04 N/A
hsa-miR-1252-5p	-0.02	-0.08 N/A
hsa-miR-1252-5p	-0.02	-0.08 N/A
hsa-miR-1252-5p	-0.02	-0.02 N/A
hsa-miR-1252-5p	-0.02	-0.02 N/A
hsa-miR-1252-5p	-0.02	-0.05 N/A
hsa-miR-1252-5p	-0.02	-0.02 N/A
hsa-miR-1252-5p	-0.02	-0.25 N/A
hsa-miR-1252-5p	-0.02	-0.47 N/A
hsa-miR-1252-5p	-0.02	-0.06 N/A
hsa-miR-1252-5p	-0.02	-0.05 N/A
hsa-miR-1252-5p	-0.02	-0.03 N/A
hsa-miR-1252-5p	-0.02	-0.02 N/A
hsa-miR-1252-5p	-0.02	-0.02 N/A
hsa-miR-1252-5p	-0.02	-0.21 N/A
hsa-miR-1252-5p	-0.02	-0.15 N/A
hsa-miR-1252-5p	-0.02	-0.15 N/A
hsa-miR-1252-5p	-0.02	-0.07 N/A
hsa-miR-1252-5p	-0.02	-0.1 N/A
hsa-miR-1252-5p	-0.02	-0.02 N/A
hsa-miR-1252-5p	-0.02	-0.16 N/A
hsa-miR-1252-5p	-0.02	-0.11 N/A
hsa-miR-1252-5p	-0.02	-0.03 N/A
hsa-miR-1252-5p	-0.02	-0.06 N/A
hsa-miR-1252-5p	-0.02	-0.02 N/A
hsa-miR-1252-5p	-0.02	-0.02 N/A
hsa-miR-1252-5p	-0.02	-0.1 N/A
hsa-miR-1252-5p	-0.02	-0.07 N/A
hsa-miR-1252-5p	-0.02	-0.02 N/A
hsa-miR-1252-5p	-0.02	-0.11 N/A
hsa-miR-1252-5p	-0.02	-0.17 N/A
hsa-miR-1252-5p	-0.02	-0.2 N/A
hsa-miR-1252-5p	-0.02	-0.11 N/A
hsa-miR-1252-5p	-0.02	-0.02 N/A
hsa-miR-1252-5p	-0.02	-0.02 N/A

hsa-miR-1252-5p	-0.02	-0.02 N/A
hsa-miR-1252-5p	-0.02	-0.06 N/A
hsa-miR-1252-5p	-0.02	-0.03 N/A
hsa-miR-1252-5p	-0.02	-0.02 N/A
hsa-miR-1252-5p	-0.02	-0.08 N/A
hsa-miR-1252-5p	-0.02	-0.15 N/A
hsa-miR-1252-5p	-0.02	-0.03 N/A
hsa-miR-1252-5p	-0.02	-0.03 N/A
hsa-miR-1252-5p	-0.02	-0.05 N/A
hsa-miR-1252-5p	-0.02	-0.02 N/A
hsa-miR-1252-5p	-0.02	-0.03 N/A
hsa-miR-1252-5p	-0.02	-0.02 N/A
hsa-miR-1252-5p	-0.02	-0.02 N/A
hsa-miR-1252-5p	-0.02	-0.03 N/A
hsa-miR-1252-5p	-0.02	-0.02 N/A
hsa-miR-1252-5p	-0.02	-0.02 N/A
hsa-miR-1252-5p	-0.02	-0.03 N/A
hsa-miR-1252-5p	-0.02	-0.02 N/A
hsa-miR-1252-5p	-0.02	-0.1 N/A
hsa-miR-1252-5p	-0.02	-0.05 N/A
hsa-miR-1252-5p	-0.02	-0.12 N/A
hsa-miR-1252-5p	-0.02	-0.08 N/A
hsa-miR-1252-5p	-0.02	-0.08 N/A
hsa-miR-1252-5p	-0.02	-0.04 N/A
hsa-miR-1252-5p	-0.02	-0.02 N/A
hsa-miR-1252-5p	-0.02	-0.15 N/A
hsa-miR-1252-5p	-0.02	-0.21 N/A
hsa-miR-1252-5p	-0.02	-0.14 N/A
hsa-miR-1252-5p	-0.02	-0.07 N/A
hsa-miR-1252-5p	-0.02	-0.03 N/A
hsa-miR-1252-5p	-0.02	-0.19 N/A
hsa-miR-1252-5p	-0.02	-0.08 N/A
hsa-miR-1252-5p	-0.02	-0.07 N/A
hsa-miR-1252-5p	-0.02	-0.02 N/A
hsa-miR-1252-5p	-0.02	-0.02 N/A
hsa-miR-1252-5p	-0.02	-0.3 N/A
hsa-miR-1252-5p	-0.02	-0.15 N/A
hsa-miR-1252-5p	-0.02	-0.02 N/A
hsa-miR-1252-5p	-0.02	-0.35 N/A
hsa-miR-1252-5p	-0.02	-0.18 N/A
hsa-miR-1252-5p	-0.02	-0.02 N/A
hsa-miR-1252-5p	-0.02	-0.02 N/A
hsa-miR-1252-5p	-0.02	-0.17 N/A
hsa-miR-1252-5p	-0.02	-0.03 N/A
hsa-miR-1252-5p	-0.02	-0.02 N/A
hsa-miR-1252-5p	-0.02	-0.02 N/A
hsa-miR-1252-5p	-0.02	-0.02 N/A
hsa-miR-1252-5p	-0.02	-0.2 N/A
hsa-miR-1252-5p	-0.02	-0.02 N/A
hsa-miR-1252-5p	-0.02	-0.24 N/A
hsa-miR-1252-5p	-0.02	-0.05 N/A
hsa-miR-1252-5p	-0.02	-0.3 N/A
hsa-miR-1252-5p	-0.02	-0.45 N/A
hsa-miR-1252-5p	-0.02	-0.02 N/A
hsa-miR-1252-5p	-0.02	-0.11 N/A

hsa-miR-1252-5p	-0.02	-0.03 N/A
hsa-miR-1252-5p	-0.02	-0.09 N/A
hsa-miR-1252-5p	-0.02	-0.02 N/A
hsa-miR-1252-5p	-0.02	-0.46 N/A
hsa-miR-1252-5p	-0.02	-0.03 N/A
hsa-miR-1252-5p	-0.02	-0.04 N/A
hsa-miR-1252-5p	-0.02	-0.02 N/A
hsa-miR-1252-5p	-0.02	-0.15 N/A
hsa-miR-1252-5p	-0.02	-0.31 N/A
hsa-miR-1252-5p	-0.02	-0.02 N/A
hsa-miR-1252-5p	-0.02	-0.02 N/A
hsa-miR-1252-5p	-0.02	-0.1 N/A
hsa-miR-1252-5p	-0.02	-0.11 N/A
hsa-miR-1252-5p	-0.02	-0.02 N/A
hsa-miR-1252-5p	-0.02	-0.09 N/A
hsa-miR-1252-5p	-0.02	-0.02 N/A
hsa-miR-1252-5p	-0.02	-0.02 N/A
hsa-miR-1252-5p	-0.02	-0.79 N/A
hsa-miR-1252-5p	-0.02	-0.03 N/A
hsa-miR-1252-5p	-0.02	-0.52 N/A
hsa-miR-1252-5p	-0.02	-0.12 N/A
hsa-miR-1252-5p	-0.02	-0.15 N/A
hsa-miR-1252-5p	-0.02	-0.15 N/A
hsa-miR-1252-5p	-0.02	-0.04 N/A
hsa-miR-1252-5p	-0.02	-0.08 N/A
hsa-miR-1252-5p	-0.02	-0.1 N/A
hsa-miR-1252-5p	-0.02	-0.02 N/A
hsa-miR-1252-5p	-0.01	-0.03 N/A
hsa-miR-1252-5p	-0.01	-0.06 N/A
hsa-miR-1252-5p	-0.01	-0.06 N/A
hsa-miR-1252-5p	-0.01	-0.02 N/A
hsa-miR-1252-5p	-0.01	-0.02 N/A
hsa-miR-1252-5p	-0.01	-0.04 N/A
hsa-miR-1252-5p	-0.01	-0.13 N/A
hsa-miR-1252-5p	-0.01	-0.32 N/A
hsa-miR-1252-5p	-0.01	-0.02 N/A
hsa-miR-1252-5p	-0.01	-0.05 N/A
hsa-miR-1252-5p	-0.01	-0.02 N/A
hsa-miR-1252-5p	-0.01	-0.13 N/A
hsa-miR-1252-5p	-0.01	-0.06 N/A
hsa-miR-1252-5p	-0.01	-0.23 N/A
hsa-miR-1252-5p	-0.01	-0.11 N/A
hsa-miR-1252-5p	-0.01	-0.06 N/A
hsa-miR-1252-5p	-0.01	-0.04 N/A
hsa-miR-1252-5p	-0.01	-0.14 N/A
hsa-miR-1252-5p	-0.01	-0.08 N/A
hsa-miR-1252-5p	-0.01	-2.94 N/A
hsa-miR-1252-5p	-0.01	-0.02 N/A
hsa-miR-1252-5p	-0.01	-0.08 N/A
hsa-miR-1252-5p	-0.01	-0.39 N/A
hsa-miR-1252-5p	-0.01	-0.04 N/A
hsa-miR-1252-5p	-0.01	-0.02 N/A
hsa-miR-1252-5p	-0.01	-0.02 N/A
hsa-miR-1252-5p	-0.01	-0.02 N/A

hsa-miR-1252-5p	-0.01	-0.07 N/A
hsa-miR-1252-5p	-0.01	-0.16 N/A
hsa-miR-1252-5p	-0.01	-0.09 N/A
hsa-miR-1252-5p	-0.01	-0.02 N/A
hsa-miR-1252-5p	-0.01	-0.03 N/A
hsa-miR-1252-5p	-0.01	-0.24 N/A
hsa-miR-1252-5p	-0.01	-0.23 N/A
hsa-miR-1252-5p	-0.01	-0.99 N/A
hsa-miR-1252-5p	-0.01	-0.16 N/A
hsa-miR-1252-5p	-0.01	-0.46 N/A
hsa-miR-1252-5p	-0.01	-0.04 N/A
hsa-miR-1252-5p	-0.01	-0.15 N/A
hsa-miR-1252-5p	-0.01	-0.02 N/A
hsa-miR-1252-5p	-0.01	-0.04 N/A
hsa-miR-1252-5p	-0.01	-0.04 N/A
hsa-miR-1252-5p	-0.01	-0.05 N/A
hsa-miR-1252-5p	-0.01	-0.03 N/A
hsa-miR-1252-5p	-0.01	-0.19 N/A
hsa-miR-1252-5p	-0.01	-0.26 N/A
hsa-miR-1252-5p	-0.01	-0.02 N/A
hsa-miR-1252-5p	-0.01	-0.04 N/A
hsa-miR-1252-5p	-0.01	-0.09 N/A
hsa-miR-1252-5p	-0.01	-0.03 N/A
hsa-miR-1252-5p	-0.01	-0.02 N/A
hsa-miR-1252-5p	-0.01	-0.11 N/A
hsa-miR-1252-5p	-0.01	-0.01 N/A
hsa-miR-1252-5p	-0.01	-0.03 N/A
hsa-miR-1252-5p	-0.01	-0.15 N/A
hsa-miR-1252-5p	-0.01	-0.26 N/A
hsa-miR-1252-5p	-0.01	-0.03 N/A
hsa-miR-1252-5p	-0.01	-0.05 N/A
hsa-miR-1252-5p	-0.01	-0.03 N/A
hsa-miR-1252-5p	-0.01	-0.04 N/A
hsa-miR-1252-5p	-0.01	-0.1 N/A
hsa-miR-1252-5p	-0.01	-0.11 N/A
hsa-miR-1252-5p	-0.01	-0.08 N/A
hsa-miR-1252-5p	-0.01	-0.05 N/A
hsa-miR-1252-5p	-0.01	-0.14 N/A
hsa-miR-1252-5p	-0.01	-0.15 N/A
hsa-miR-1252-5p	-0.01	-0.23 N/A
hsa-miR-1252-5p	-0.01	-0.28 N/A
hsa-miR-1252-5p	-0.01	-0.02 N/A
hsa-miR-1252-5p	-0.01	-0.02 N/A
hsa-miR-1252-5p	-0.01	-0.03 N/A
hsa-miR-1252-5p	-0.01	-0.02 N/A
hsa-miR-1252-5p	-0.01	-0.07 N/A
hsa-miR-1252-5p	-0.01	-0.28 N/A
hsa-miR-1252-5p	-0.01	-0.15 N/A
hsa-miR-1252-5p	-0.01	-0.33 N/A
hsa-miR-1252-5p	-0.01	-0.22 N/A
hsa-miR-1252-5p	-0.01	-0.03 N/A
hsa-miR-1252-5p	-0.01	-0.02 N/A
hsa-miR-1252-5p	-0.01	-0.2 N/A
hsa-miR-1252-5p	-0.01	-0.02 N/A

hsa-miR-1252-5p	-0.01	-0.03 N/A
hsa-miR-1252-5p	-0.01	-0.04 N/A
hsa-miR-1252-5p	-0.01	-0.12 N/A
hsa-miR-1252-5p	-0.01	-0.02 N/A
hsa-miR-1252-5p	-0.01	-0.14 N/A
hsa-miR-1252-5p	-0.01	-0.33 N/A
hsa-miR-1252-5p	-0.01	-0.05 N/A
hsa-miR-1252-5p	-0.01	-0.02 N/A
hsa-miR-1252-5p	-0.01	-0.05 N/A
hsa-miR-1252-5p	-0.01	-0.08 N/A
hsa-miR-1252-5p	-0.01	-0.21 N/A
hsa-miR-1252-5p	-0.01	-0.05 N/A
hsa-miR-1252-5p	-0.01	-0.16 N/A
hsa-miR-1252-5p	-0.01	-0.03 N/A
hsa-miR-1252-5p	-0.01	-0.33 N/A
hsa-miR-1252-5p	-0.01	-0.07 N/A
hsa-miR-1252-5p	-0.01	-0.02 N/A
hsa-miR-1252-5p	-0.01	-0.07 N/A
hsa-miR-1252-5p	-0.01	-0.07 N/A
hsa-miR-1252-5p	-0.01	-0.04 N/A
hsa-miR-1252-5p	-0.01	-0.05 N/A
hsa-miR-1252-5p	-0.01	-0.1 N/A
hsa-miR-1252-5p	-0.01	-0.29 N/A
hsa-miR-1252-5p	-0.01	-0.02 N/A
hsa-miR-1252-5p	-0.01	-0.05 N/A
hsa-miR-1252-5p	-0.01	-0.02 N/A
hsa-miR-1252-5p	-0.01	-0.44 N/A
hsa-miR-1252-5p	-0.01	-0.78 N/A
hsa-miR-1252-5p	-0.01	-0.07 N/A
hsa-miR-1252-5p	-0.01	-1.1 N/A
hsa-miR-1252-5p	-0.01	-0.02 N/A
hsa-miR-1252-5p	-0.01	-0.06 N/A
hsa-miR-1252-5p	-0.01	-0.03 N/A
hsa-miR-1252-5p	-0.01	-0.02 N/A
hsa-miR-1252-5p	-0.01	-0.03 N/A
hsa-miR-1252-5p	-0.01	-0.15 N/A
hsa-miR-1252-5p	-0.01	-0.1 N/A
hsa-miR-1252-5p	-0.01	-0.15 N/A
hsa-miR-1252-5p	-0.01	-0.08 N/A
hsa-miR-1252-5p	-0.01	-0.1 N/A
hsa-miR-1252-5p	-0.01	-0.09 N/A
hsa-miR-1252-5p	-0.01	-0.07 N/A
hsa-miR-1252-5p	-0.01	-0.17 N/A
hsa-miR-1252-5p	-0.01	-0.02 N/A
hsa-miR-1252-5p	-0.01	-0.04 N/A
hsa-miR-1252-5p	-0.01	-0.02 N/A
hsa-miR-1252-5p	-0.01	-0.04 N/A
hsa-miR-1252-5p	-0.01	-0.03 N/A
hsa-miR-1252-5p	-0.01	-0.24 N/A
hsa-miR-1252-5p	-0.01	-0.02 N/A
hsa-miR-1252-5p	-0.01	-0.07 N/A
hsa-miR-1252-5p	-0.01	-0.26 N/A
hsa-miR-1252-5p	-0.01	-0.24 N/A
hsa-miR-1252-5p	-0.01	-0.07 N/A

hsa-miR-1252-5p	-0.01	-0.03 N/A
hsa-miR-1252-5p	-0.01	-0.02 N/A
hsa-miR-1252-5p	-0.01	-0.27 N/A
hsa-miR-1252-5p	-0.01	-0.23 N/A
hsa-miR-1252-5p	-0.01	-0.02 N/A
hsa-miR-1252-5p	-0.01	-0.01 N/A
hsa-miR-1252-5p	-0.01	-0.04 N/A
hsa-miR-1252-5p	-0.01	-0.22 N/A
hsa-miR-1252-5p	-0.01	-0.1 N/A
hsa-miR-1252-5p	-0.01	-0.06 N/A
hsa-miR-1252-5p	-0.01	-0.15 N/A
hsa-miR-1252-5p	-0.01	-0.08 N/A
hsa-miR-1252-5p	-0.01	-0.19 N/A
hsa-miR-1252-5p	-0.01	-0.09 N/A
hsa-miR-1252-5p	-0.01	-0.03 N/A
hsa-miR-1252-5p	-0.01	-0.18 N/A
hsa-miR-1252-5p	-0.01	-0.05 N/A
hsa-miR-1252-5p	-0.01	-0.01 N/A
hsa-miR-1252-5p	-0.01	-0.04 N/A
hsa-miR-1252-5p	-0.01	-0.03 N/A
hsa-miR-1252-5p	-0.01	-0.09 N/A
hsa-miR-1252-5p	-0.01	-0.02 N/A
hsa-miR-1252-5p	-0.01	-0.05 N/A
hsa-miR-1252-5p	-0.01	-0.03 N/A
hsa-miR-1252-5p	-0.01	-0.15 N/A
hsa-miR-1252-5p	-0.01	-0.16 N/A
hsa-miR-1252-5p	-0.01	-0.02 N/A
hsa-miR-1252-5p	-0.01	-0.18 N/A
hsa-miR-1252-5p	-0.01	-0.24 N/A
hsa-miR-1252-5p	-0.01	-0.26 N/A
hsa-miR-1252-5p	-0.01	-0.36 N/A
hsa-miR-1252-5p	-0.01	-0.02 N/A
hsa-miR-1252-5p	-0.01	-0.12 N/A
hsa-miR-1252-5p	-0.01	-0.01 N/A
hsa-miR-1252-5p	-0.01	-0.09 N/A
hsa-miR-1252-5p	-0.01	-0.05 N/A
hsa-miR-1252-5p	-0.01	-0.2 N/A
hsa-miR-1252-5p	-0.01	-0.04 N/A
hsa-miR-1252-5p	-0.01	-0.02 N/A
hsa-miR-1252-5p	-0.01	-0.27 N/A
hsa-miR-1252-5p	-0.01	-0.3 N/A
hsa-miR-1252-5p	-0.01	-0.08 N/A
hsa-miR-1252-5p	-0.01	-0.02 N/A
hsa-miR-1252-5p	-0.01	-0.13 N/A
hsa-miR-1252-5p	-0.01	-0.06 N/A
hsa-miR-1252-5p	-0.01	-0.21 N/A
hsa-miR-1252-5p	-0.01	-0.48 N/A
hsa-miR-1252-5p	-0.01	-0.04 N/A
hsa-miR-1252-5p	-0.01	-0.18 N/A
hsa-miR-1252-5p	-0.01	-0.1 N/A
hsa-miR-1252-5p	-0.01	-0.06 N/A
hsa-miR-1252-5p	-0.01	-0.07 N/A
hsa-miR-1252-5p	-0.01	-0.08 N/A
hsa-miR-1252-5p	-0.01	-0.04 N/A

hsa-miR-1252-5p	-0.01	-0.02 N/A
hsa-miR-1252-5p	-0.01	-0.05 N/A
hsa-miR-1252-5p	-0.01	-0.26 N/A
hsa-miR-1252-5p	-0.01	-0.04 N/A
hsa-miR-1252-5p	-0.01	-0.12 N/A
hsa-miR-1252-5p	-0.01	-0.01 N/A
hsa-miR-1252-5p	-0.01	-0.08 N/A
hsa-miR-1252-5p	-0.01	-0.26 N/A
hsa-miR-1252-5p	-0.01	-0.03 N/A
hsa-miR-1252-5p	-0.01	-0.28 N/A
hsa-miR-1252-5p	-0.01	-0.02 N/A
hsa-miR-1252-5p	-0.01	-0.07 N/A
hsa-miR-1252-5p	-0.01	-0.34 N/A
hsa-miR-1252-5p	-0.01	-0.04 N/A
hsa-miR-1252-5p	-0.01	-0.03 N/A
hsa-miR-1252-5p	-0.01	-0.03 N/A
hsa-miR-1252-5p	-0.01	-0.04 N/A
hsa-miR-1252-5p	-0.01	-0.13 N/A
hsa-miR-1252-5p	-0.01	-0.02 N/A
hsa-miR-1252-5p	-0.01	-0.12 N/A
hsa-miR-1252-5p	-0.01	-0.03 N/A
hsa-miR-1252-5p	-0.01	-0.03 N/A
hsa-miR-1252-5p	-0.01	-0.04 N/A
hsa-miR-1252-5p	-0.01	-0.13 N/A
hsa-miR-1252-5p	-0.01	-0.02 N/A
hsa-miR-1252-5p	-0.01	-0.12 N/A
hsa-miR-1252-5p	-0.01	-0.03 N/A
hsa-miR-1252-5p	-0.01	-0.03 N/A
hsa-miR-1252-5p	-0.01	-0.04 N/A
hsa-miR-1252-5p	-0.01	-0.11 N/A
hsa-miR-1252-5p	-0.01	-0.03 N/A
hsa-miR-1252-5p	-0.01	-0.06 N/A
hsa-miR-1252-5p	-0.01	-0.14 N/A
hsa-miR-1252-5p	-0.01	-0.42 N/A
hsa-miR-1252-5p	-0.01	-0.09 N/A
hsa-miR-1252-5p	-0.01	-0.11 N/A
hsa-miR-1252-5p	-0.01	-0.14 N/A
hsa-miR-1252-5p	-0.01	-0.02 N/A
hsa-miR-1252-5p	-0.01	-0.12 N/A
hsa-miR-1252-5p	-0.01	-0.06 N/A
hsa-miR-1252-5p	-0.01	-0.26 N/A
hsa-miR-1252-5p	-0.01	-0.03 N/A
hsa-miR-1252-5p	-0.01	-0.06 N/A
hsa-miR-1252-5p	-0.01	-0.07 N/A
hsa-miR-1252-5p	-0.01	-0.01 N/A
hsa-miR-1252-5p	-0.01	-0.1 N/A
hsa-miR-1252-5p	-0.01	-0.1 N/A
hsa-miR-1252-5p	-0.01	-0.13 N/A
hsa-miR-1252-5p	-0.01	-0.03 N/A
hsa-miR-1252-5p	-0.01	-0.04 N/A
hsa-miR-1252-5p	-0.01	-0.07 N/A
hsa-miR-1252-5p	-0.01	-0.23 N/A
hsa-miR-1252-5p	-0.01	-0.13 N/A
hsa-miR-1252-5p	-0.01	-0.07 N/A
hsa-miR-1252-5p	-0.01	-0.01 N/A
hsa-miR-1252-5p	-0.01	-0.08 N/A
hsa-miR-1252-5p	-0.01	-0.01 N/A
hsa-miR-1252-5p	-0.01	-0.04 N/A
hsa-miR-1252-5p	-0.01	-0.14 N/A
hsa-miR-1252-5p	-0.01	-0.09 N/A

hsa-miR-1252-5p	-0.01	-0.07 N/A
hsa-miR-1252-5p	-0.01	-0.27 N/A
hsa-miR-1252-5p	-0.01	-0.2 N/A
hsa-miR-1252-5p	-0.01	-0.08 N/A
hsa-miR-1252-5p	-0.01	-0.07 N/A
hsa-miR-1252-5p	-0.01	-0.18 N/A
hsa-miR-1252-5p	-0.01	-0.25 N/A
hsa-miR-1252-5p	-0.01	-0.11 N/A
hsa-miR-1252-5p	-0.01	-0.06 N/A
hsa-miR-1252-5p	-0.01	-0.08 N/A
hsa-miR-1252-5p	-0.01	-0.13 N/A
hsa-miR-1252-5p	-0.01	-0.26 N/A
hsa-miR-1252-5p	-0.01	-0.02 N/A
hsa-miR-1252-5p	-0.01	-0.45 N/A
hsa-miR-1252-5p	-0.01	-0.17 N/A
hsa-miR-1252-5p	-0.01	-0.08 N/A
hsa-miR-1252-5p	-0.01	-0.25 N/A
hsa-miR-1252-5p	-0.01	-0.1 N/A
hsa-miR-1252-5p	-0.01	-0.02 N/A
hsa-miR-1252-5p	-0.01	-0.06 N/A
hsa-miR-1252-5p	-0.01	-0.06 N/A
hsa-miR-1252-5p	-0.01	-0.25 N/A
hsa-miR-1252-5p	-0.01	-0.34 N/A
hsa-miR-1252-5p	-0.01	-0.11 N/A
hsa-miR-1252-5p	-0.01	-0.11 N/A
hsa-miR-1252-5p	-0.01	-0.28 N/A
hsa-miR-1252-5p	-0.01	-0.04 N/A
hsa-miR-1252-5p	-0.01	-0.09 N/A
hsa-miR-1252-5p	-0.01	-0.2 N/A
hsa-miR-1252-5p	-0.01	-0.03 N/A
hsa-miR-1252-5p	-0.01	-0.19 N/A
hsa-miR-1252-5p	-0.01	-0.12 N/A
hsa-miR-1252-5p	-0.01	-0.02 N/A
hsa-miR-1252-5p	-0.01	-0.05 N/A
hsa-miR-1252-5p	-0.01	-0.02 N/A
hsa-miR-1252-5p	-0.01	-0.01 N/A
hsa-miR-1252-5p	-0.01	-0.02 N/A
hsa-miR-1252-5p	-0.01	-0.02 N/A
hsa-miR-1252-5p	-0.01	-0.2 N/A
hsa-miR-1252-5p	-0.01	-0.02 N/A
hsa-miR-1252-5p	-0.01	-0.15 N/A
hsa-miR-1252-5p	-0.01	-0.03 N/A
hsa-miR-1252-5p	-0.01	-0.02 N/A
hsa-miR-1252-5p	-0.01	-0.02 N/A
hsa-miR-1252-5p	-0.01	-0.09 N/A
hsa-miR-1252-5p	-0.01	-0.03 N/A
hsa-miR-1252-5p	-0.01	-0.03 N/A
hsa-miR-1252-5p	-0.01	-0.08 N/A
hsa-miR-1252-5p	-0.01	-0.12 N/A
hsa-miR-1252-5p	-0.01	-0.01 N/A
hsa-miR-1252-5p	-0.01	-0.12 N/A
hsa-miR-1252-5p	-0.01	-0.08 N/A
hsa-miR-1252-5p	-0.01	-0.01 N/A
hsa-miR-1252-5p	-0.01	-0.22 N/A

hsa-miR-1252-5p	-0.01	-0.03 N/A
hsa-miR-1252-5p	-0.01	-0.11 N/A
hsa-miR-1252-5p	-0.01	-0.12 N/A
hsa-miR-1252-5p	-0.01	-0.14 N/A
hsa-miR-1252-5p	-0.01	-0.07 N/A
hsa-miR-1252-5p	-0.01	-0.21 N/A
hsa-miR-1252-5p	-0.01	-0.4 N/A
hsa-miR-1252-5p	-0.01	-0.12 N/A
hsa-miR-1252-5p	-0.01	-0.22 N/A
hsa-miR-1252-5p	-0.01	-0.15 N/A
hsa-miR-1252-5p	-0.01	-0.02 N/A
hsa-miR-1252-5p	-0.01	-0.02 N/A
hsa-miR-1252-5p	0	-0.12 N/A
hsa-miR-1252-5p	0	-0.03 N/A
hsa-miR-1252-5p	0	-0.09 N/A
hsa-miR-1252-5p	0	-0.23 N/A
hsa-miR-1252-5p	0	-0.1 N/A
hsa-miR-1252-5p	0	-0.02 N/A
hsa-miR-1252-5p	0	-0.18 N/A
hsa-miR-1252-5p	0	-0.35 N/A
hsa-miR-1252-5p	0	-0.02 N/A
hsa-miR-1252-5p	0	-0.05 N/A
hsa-miR-1252-5p	0	-0.1 N/A
hsa-miR-1252-5p	0	-0.2 N/A
hsa-miR-1252-5p	0	-0.26 N/A
hsa-miR-1252-5p	0	-0.12 N/A
hsa-miR-1252-5p	0	-0.1 N/A
hsa-miR-1252-5p	0	-0.02 N/A
hsa-miR-1252-5p	0	-0.14 N/A
hsa-miR-1252-5p	0	-0.2 N/A
hsa-miR-1252-5p	0	-0.1 N/A
hsa-miR-1252-5p	0	-0.03 N/A
hsa-miR-1252-5p	0	-0.08 N/A
hsa-miR-1252-5p	0	-0.03 N/A
hsa-miR-1252-5p	0	-0.06 N/A
hsa-miR-1252-5p	0	-0.17 N/A
hsa-miR-1252-5p	0	-0.21 N/A
hsa-miR-1252-5p	0	-0.17 N/A
hsa-miR-1252-5p	0	-0.1 N/A
hsa-miR-1252-5p	0	-0.56 N/A
hsa-miR-1252-5p	0	-0.32 N/A
hsa-miR-1252-5p	0	-0.03 N/A
hsa-miR-1252-5p	0	-0.02 N/A
hsa-miR-1252-5p	0	-0.17 N/A
hsa-miR-1252-5p	0	-0.08 N/A
hsa-miR-1252-5p	0	-0.02 N/A
hsa-miR-1252-5p	0	-0.09 N/A
hsa-miR-1252-5p	0	-0.34 N/A
hsa-miR-1252-5p	0	-0.02 N/A
hsa-miR-1252-5p	0	-0.09 N/A
hsa-miR-1252-5p	0	-0.07 N/A
hsa-miR-1252-5p	0	-0.14 N/A
hsa-miR-1252-5p	0	-0.04 N/A
hsa-miR-1252-5p	0	-0.14 N/A

hsa-miR-1252-5p	0	-0.24 N/A
hsa-miR-1252-5p	0	-0.03 N/A
hsa-miR-1252-5p	0	-0.05 N/A
hsa-miR-1252-5p	0	-0.23 N/A
hsa-miR-1252-5p	0	-0.02 N/A
hsa-miR-1252-5p	0	-0.14 N/A
hsa-miR-1252-5p	0	-0.35 N/A
hsa-miR-1252-5p	0	-0.02 N/A
hsa-miR-1252-5p	0	-0.16 N/A
hsa-miR-1252-5p	0	-0.02 N/A
hsa-miR-1252-5p	0	-0.37 N/A
hsa-miR-1252-5p	0	-0.07 N/A
hsa-miR-1252-5p	0	-0.14 N/A
hsa-miR-1252-5p	0	-0.43 N/A
hsa-miR-1252-5p	0	-0.14 N/A
hsa-miR-1252-5p	0	-0.09 N/A
hsa-miR-1252-5p	0	-0.17 N/A
hsa-miR-1252-5p	0	-0.14 N/A
hsa-miR-1252-5p	0	-0.16 N/A
hsa-miR-1252-5p	0	-0.1 N/A
hsa-miR-1252-5p	0	-0.28 N/A
hsa-miR-1252-5p	0	-0.02 N/A
hsa-miR-1252-5p	0	-0.1 N/A
hsa-miR-1252-5p	0	-0.11 N/A
hsa-miR-1252-5p	0	-0.14 N/A
hsa-miR-1252-5p	0	-0.11 N/A
hsa-miR-1252-5p	0	-0.22 N/A
hsa-miR-1252-5p	0	-0.16 N/A
hsa-miR-1252-5p	0	-0.13 N/A
hsa-miR-1252-5p	0	-0.17 N/A
hsa-miR-1252-5p	0	-0.39 N/A
hsa-miR-1252-5p	0	-0.22 N/A
hsa-miR-1252-5p	0	-0.08 N/A
hsa-miR-1252-5p	0	-0.19 N/A
hsa-miR-1252-5p	0	-0.12 N/A
hsa-miR-1252-5p	0	-0.2 N/A
hsa-miR-1252-5p	0	-0.02 N/A
hsa-miR-1252-5p	0	-0.24 N/A
hsa-miR-1252-5p	0	-0.08 N/A
hsa-miR-1252-5p	0	-0.02 N/A
hsa-miR-1252-5p	0	-0.19 N/A
hsa-miR-1252-5p	0	-0.08 N/A
hsa-miR-1252-5p	0	-0.07 N/A
hsa-miR-1252-5p	0	-0.06 N/A
hsa-miR-1252-5p	0	-0.07 N/A
hsa-miR-1252-5p	0	-0.04 N/A
hsa-miR-1252-5p	0	-0.06 N/A
hsa-miR-1252-5p	0	-0.04 N/A
hsa-miR-1252-5p	0	-0.17 N/A
hsa-miR-1252-5p	0	-0.05 N/A
hsa-miR-1252-5p	0	-0.02 N/A
hsa-miR-1252-5p	0	-0.17 N/A
hsa-miR-1252-5p	0	-0.02 N/A
hsa-miR-1252-5p	0	-0.12 N/A

hsa-miR-1252-5p	0	-0.12 N/A
hsa-miR-1252-5p	0	-0.02 N/A
hsa-miR-1252-5p	0	-0.15 N/A
hsa-miR-1252-5p	0	-0.1 N/A
hsa-miR-1252-5p	0	-0.02 N/A
hsa-miR-1252-5p	0	-0.01 N/A
hsa-miR-1252-5p	0	-0.16 N/A
hsa-miR-1252-5p	0	-0.02 N/A
hsa-miR-1252-5p	0	-0.42 N/A
hsa-miR-1252-5p	0	-0.02 N/A
hsa-miR-1252-5p	0	-0.13 N/A
hsa-miR-1252-5p	0	-0.02 N/A
hsa-miR-1252-5p	0	-0.23 N/A
hsa-miR-1252-5p	0	-0.26 N/A
hsa-miR-1252-5p	0	-0.28 N/A
hsa-miR-1252-5p	0	-0.01 N/A
hsa-miR-1252-5p	0	-0.1 N/A
hsa-miR-1252-5p	0	-0.04 N/A
hsa-miR-1252-5p	0	-1 N/A
hsa-miR-1252-5p	0	-0.17 N/A
hsa-miR-1252-5p	0	-0.05 N/A
hsa-miR-1252-5p	0	-0.29 N/A
hsa-miR-1252-5p	0	-0.02 N/A
hsa-miR-1252-5p	0	-0.18 N/A
hsa-miR-1252-5p	0	-0.13 N/A
hsa-miR-1252-5p	0	-0.17 N/A
hsa-miR-1252-5p	0	-0.16 N/A
hsa-miR-1252-5p	0	-0.07 N/A
hsa-miR-1252-5p	0	-0.22 N/A
hsa-miR-1252-5p	0	-0.01 N/A
hsa-miR-1252-5p	0	-0.15 N/A
hsa-miR-1252-5p	0	-0.24 N/A
hsa-miR-1252-5p	0	-0.25 N/A
hsa-miR-1252-5p	0	-0.02 N/A
hsa-miR-1252-5p	0	-0.09 N/A
hsa-miR-1252-5p	0	-0.02 N/A
hsa-miR-1252-5p	0	-0.14 N/A
hsa-miR-1252-5p	0	-0.04 N/A
hsa-miR-1252-5p	0	-0.1 N/A
hsa-miR-1252-5p	0	-0.22 N/A
hsa-miR-1252-5p	0	-0.04 N/A
hsa-miR-1252-5p	0	-0.18 N/A
hsa-miR-1252-5p	0	-0.08 N/A
hsa-miR-1252-5p	0	-0.2 N/A
hsa-miR-1252-5p	0	-0.09 N/A
hsa-miR-1252-5p	0	-0.16 N/A
hsa-miR-1252-5p	0	-0.09 N/A
hsa-miR-1252-5p	0	-0.53 N/A
hsa-miR-1252-5p	0	-0.51 N/A
hsa-miR-1252-5p	0	-0.17 N/A
hsa-miR-1252-5p	0	-0.01 N/A
hsa-miR-1252-5p	0	-2.99 N/A
hsa-miR-1252-5p	0	-0.06 N/A
hsa-miR-1252-5p	0	-0.02 N/A

hsa-miR-1252-5p	0	-0.02 N/A
hsa-miR-1252-5p	0	-0.04 N/A
hsa-miR-1252-5p	0	-0.02 N/A
hsa-miR-1252-5p	0	-0.01 N/A
hsa-miR-1252-5p	0	-0.04 N/A
hsa-miR-1252-5p	0	-0.08 N/A
hsa-miR-1252-5p	0	-0.02 N/A
hsa-miR-1252-5p	0	-0.12 N/A
hsa-miR-1252-5p	0	-0.03 N/A
hsa-miR-1252-5p	0	-0.02 N/A
hsa-miR-1252-5p	0	-0.07 N/A
hsa-miR-1252-5p	0	-0.02 N/A
hsa-miR-1252-5p	0	-0.04 N/A
hsa-miR-1252-5p	0	-0.02 N/A
hsa-miR-1252-5p	0	-0.02 N/A
hsa-miR-1252-5p	0	-0.02 N/A
hsa-miR-1252-5p	0	-0.15 N/A
hsa-miR-1252-5p	0	-0.09 N/A
hsa-miR-1252-5p	0	-0.13 N/A
hsa-miR-1252-5p	0	-0.02 N/A
hsa-miR-1252-5p	0	-0.15 N/A
hsa-miR-1252-5p	0	-0.02 N/A
hsa-miR-1252-5p	0	-0.09 N/A
hsa-miR-1252-5p	0	-0.02 N/A
hsa-miR-1252-5p	0	-0.02 N/A
hsa-miR-1252-5p	0	-0.47 N/A
hsa-miR-1252-5p	0	-0.23 N/A
hsa-miR-1252-5p	0	-0.2 N/A
hsa-miR-1252-5p	0	-0.16 N/A
hsa-miR-1252-5p	0	-0.02 N/A
hsa-miR-1252-5p	0	-0.03 N/A
hsa-miR-1252-5p	0	-0.16 N/A
hsa-miR-1252-5p	0	-0.14 N/A
hsa-miR-1252-5p	0	-0.05 N/A
hsa-miR-1252-5p	0	-0.02 N/A
hsa-miR-1252-5p	0	-0.14 N/A
hsa-miR-1252-5p	0	-0.1 N/A
hsa-miR-1252-5p	0	-0.15 N/A
hsa-miR-1252-5p	0	-0.07 N/A
hsa-miR-1252-5p	0	-0.02 N/A
hsa-miR-1252-5p	0	-0.12 N/A
hsa-miR-1252-5p	0	-0.27 N/A
hsa-miR-1252-5p	0	-0.12 N/A
hsa-miR-1252-5p	0	-0.02 N/A
hsa-miR-1252-5p	0	-0.08 N/A
hsa-miR-1252-5p	0	-0.04 N/A
hsa-miR-1252-5p	0	-0.08 N/A
hsa-miR-1252-5p	0	-0.14 N/A
hsa-miR-1252-5p	0	-0.26 N/A
hsa-miR-1252-5p	0	-0.01 N/A
hsa-miR-1252-5p	0	-0.04 N/A
hsa-miR-1252-5p	0	-0.04 N/A
hsa-miR-1252-5p	0	-0.02 N/A
hsa-miR-1252-5p	0	-0.06 N/A

hsa-miR-1252-5p	0	-0.14 N/A
hsa-miR-1252-5p	0	-0.18 N/A
hsa-miR-1252-5p	0	-0.19 N/A
hsa-miR-1252-5p	0	-0.14 N/A
hsa-miR-1252-5p	0	-0.01 N/A
hsa-miR-1252-5p	0	-0.05 N/A
hsa-miR-1252-5p	0	-0.06 N/A
hsa-miR-1252-5p	0	-0.3 N/A
hsa-miR-1252-5p	0	-0.02 N/A
hsa-miR-1252-5p	0	-0.15 N/A
hsa-miR-1252-5p	0	-0.02 N/A
hsa-miR-1252-5p	0	-0.14 N/A
hsa-miR-1252-5p	0	-0.09 N/A
hsa-miR-1252-5p	0	-0.17 N/A
hsa-miR-1252-5p	0	-0.1 N/A
hsa-miR-1252-5p	0	-0.15 N/A
hsa-miR-1252-5p	0	-0.02 N/A
hsa-miR-1252-5p	0	-0.07 N/A
hsa-miR-1252-5p	0	-0.17 N/A
hsa-miR-1252-5p	0	-0.12 N/A
hsa-miR-1252-5p	0	-0.1 N/A
hsa-miR-1252-5p	0	-0.2 N/A
hsa-miR-1252-5p	0	-1.13 N/A
hsa-miR-1252-5p	0	-0.02 N/A
hsa-miR-1252-5p	0	-0.23 N/A
hsa-miR-1252-5p	0	-0.02 N/A
hsa-miR-1252-5p	0	-0.16 N/A
hsa-miR-1252-5p	0	-0.04 N/A
hsa-miR-1252-5p	0	-0.01 N/A
hsa-miR-1252-5p	0	-0.03 N/A
hsa-miR-1252-5p	0	-0.04 N/A
hsa-miR-1252-5p	0	-0.06 N/A
hsa-miR-1252-5p	0	-0.18 N/A
hsa-miR-1252-5p	0	-0.03 N/A
hsa-miR-1252-5p	0	-0.05 N/A
hsa-miR-1252-5p	0	-0.7 N/A
hsa-miR-1252-5p	0	-0.14 N/A
hsa-miR-1252-5p	0	-0.44 N/A
hsa-miR-1252-5p	0	-0.13 N/A
hsa-miR-1252-5p	0	-0.17 N/A
hsa-miR-1252-5p	0	-0.06 N/A
hsa-miR-1252-5p	0	-0.22 N/A
hsa-miR-1252-5p	0	-0.04 N/A
hsa-miR-1252-5p	0	-0.02 N/A
hsa-miR-1252-5p	0	-0.04 N/A
hsa-miR-1252-5p	0	-0.14 N/A
hsa-miR-1252-5p	0	-0.14 N/A
hsa-miR-1252-5p	0	-0.38 N/A
hsa-miR-1252-5p	0	-0.24 N/A
hsa-miR-1252-5p	0	-0.06 N/A
hsa-miR-1252-5p	0	-0.14 N/A
hsa-miR-1252-5p	0	-0.08 N/A
hsa-miR-1252-5p	0	-0.09 N/A
hsa-miR-1252-5p	0	-0.28 N/A

hsa-miR-1252-5p	0	-0.07 N/A
hsa-miR-1252-5p	0	-0.12 N/A
hsa-miR-1252-5p	0	-0.29 N/A
hsa-miR-1252-5p	0	-0.21 N/A
hsa-miR-1252-5p	0	-0.12 N/A
hsa-miR-1252-5p	0	-0.03 N/A
hsa-miR-1252-5p	0	-0.1 N/A
hsa-miR-1252-5p	0	-0.18 N/A
hsa-miR-1252-5p	0	-0.03 N/A
hsa-miR-1252-5p	0	-0.02 N/A
hsa-miR-1252-5p	0	-0.2 N/A
hsa-miR-1252-5p	0	-0.25 N/A
hsa-miR-1252-5p	0	-0.02 N/A
hsa-miR-1252-5p	0	-0.05 N/A
hsa-miR-1252-5p	0	-0.22 N/A
hsa-miR-1252-5p	0	-0.08 N/A
hsa-miR-1252-5p	0	-0.04 N/A
hsa-miR-1252-5p	0	-0.21 N/A
hsa-miR-1252-5p	0	-0.02 N/A
hsa-miR-1252-5p	0	-0.02 N/A
hsa-miR-1252-5p	0	-0.1 N/A
hsa-miR-1252-5p	0	-0.01 N/A
hsa-miR-1252-5p	0	-0.12 N/A
hsa-miR-1252-5p	0	-0.03 N/A
hsa-miR-1252-5p	0	-0.72 N/A
hsa-miR-1252-5p	0	-0.66 N/A
hsa-miR-1252-5p	0	-0.05 N/A
hsa-miR-1252-5p	0	-0.02 N/A
hsa-miR-1252-5p	0	-0.15 N/A
hsa-miR-1252-5p	0	-0.01 N/A
hsa-miR-1252-5p	0	-0.32 N/A
hsa-miR-1252-5p	0	-0.04 N/A
hsa-miR-1252-5p	0	-0.04 N/A
hsa-miR-1252-5p	0	-0.09 N/A
hsa-miR-1252-5p	0	-0.02 N/A
hsa-miR-1252-5p	0	-0.02 N/A
hsa-miR-1252-5p	0	-0.04 N/A
hsa-miR-1252-5p	0	-0.11 N/A
hsa-miR-1252-5p	0	-0.19 N/A
hsa-miR-1252-5p	0	-0.02 N/A
hsa-miR-1252-5p	0	-0.14 N/A
hsa-miR-1252-5p	0	-0.09 N/A
hsa-miR-1252-5p	0	-0.06 N/A
hsa-miR-1252-5p	0	-0.01 N/A
hsa-miR-1252-5p	0	-0.11 N/A
hsa-miR-1252-5p	0	-0.14 N/A
hsa-miR-1252-5p	0	-0.05 N/A
hsa-miR-1252-5p	0	-0.05 N/A
hsa-miR-1252-5p	0	-0.02 N/A
hsa-miR-1252-5p	0	-0.36 N/A
hsa-miR-1252-5p	0	-0.08 N/A
hsa-miR-1252-5p	0	-0.08 N/A
hsa-miR-1252-5p	0	-0.22 N/A
hsa-miR-1252-5p	0	-0.1 N/A

hsa-miR-1252-5p	0	-0.02 N/A
hsa-miR-1252-5p	0	-0.36 N/A
hsa-miR-1252-5p	0	-0.03 N/A
hsa-miR-1252-5p	0	-0.03 N/A
hsa-miR-1252-5p	0	-0.04 N/A
hsa-miR-1252-5p	0	-0.17 N/A
hsa-miR-1252-5p	0	-0.26 N/A
hsa-miR-1252-5p	0	-0.3 N/A
hsa-miR-1252-5p	0	-0.17 N/A
hsa-miR-1252-5p	0	-0.08 N/A
hsa-miR-1252-5p	0	-0.11 N/A
hsa-miR-1252-5p	0	-0.01 N/A
hsa-miR-1252-5p	0	-0.06 N/A
hsa-miR-1252-5p	0	-0.1 N/A
hsa-miR-1252-5p	0	-0.14 N/A
hsa-miR-1252-5p	0	-0.02 N/A
hsa-miR-1252-5p	0	-0.02 N/A
hsa-miR-1252-5p	0	-0.47 N/A
hsa-miR-1252-5p	0	-0.02 N/A
hsa-miR-1252-5p	0	-0.02 N/A
hsa-miR-1252-5p	0	-0.11 N/A
hsa-miR-1252-5p	0	-0.03 N/A
hsa-miR-1252-5p	0	-0.01 N/A
hsa-miR-1252-5p	0	-0.02 N/A
hsa-miR-1252-5p	0	-0.28 N/A
hsa-miR-1252-5p	0	-0.06 N/A
hsa-miR-1252-5p	0	-0.19 N/A
hsa-miR-1252-5p	0	-0.09 N/A
hsa-miR-1252-5p	0	-0.43 N/A
hsa-miR-1252-5p	0	-0.03 N/A
hsa-miR-1252-5p	0	-0.23 N/A
hsa-miR-1252-5p	0	-0.04 N/A
hsa-miR-1252-5p	0	-0.09 N/A
hsa-miR-1252-5p	0	-0.12 N/A
hsa-miR-1252-5p	0	-0.11 N/A
hsa-miR-1252-5p	0	-0.43 N/A
hsa-miR-1252-5p	0	-0.02 N/A
hsa-miR-1252-5p	0	-0.02 N/A
hsa-miR-1252-5p	0	-0.02 N/A
hsa-miR-1252-5p	0	-0.07 N/A
hsa-miR-1252-5p	0	-0.02 N/A
hsa-miR-1252-5p	0	-0.36 N/A
hsa-miR-1252-5p	0	-0.06 N/A
hsa-miR-1252-5p	0	-0.21 N/A
hsa-miR-1252-5p	0	-0.34 N/A
hsa-miR-1252-5p	0	-0.06 N/A
hsa-miR-1252-5p	0	-0.02 N/A
hsa-miR-1252-5p	0	-0.04 N/A
hsa-miR-1252-5p	0	-0.07 N/A
hsa-miR-1252-5p	0	-0.11 N/A
hsa-miR-1252-5p	0	-0.02 N/A
hsa-miR-1252-5p	0	-0.17 N/A
hsa-miR-1252-5p	0	-0.02 N/A
hsa-miR-1252-5p	0	-0.08 N/A

hsa-miR-1252-5p	0	-0.01 N/A
hsa-miR-1252-5p	0	-0.1 N/A
hsa-miR-1252-5p	0	-0.02 N/A
hsa-miR-1252-5p	0	-0.08 N/A
hsa-miR-1252-5p	0	-0.06 N/A
hsa-miR-1252-5p	0	-0.04 N/A
hsa-miR-1252-5p	0	-0.31 N/A
hsa-miR-1252-5p	0	-0.3 N/A
hsa-miR-1252-5p	0	-0.25 N/A
hsa-miR-1252-5p	0	-0.28 N/A
hsa-miR-1252-5p	0	-0.29 N/A
hsa-miR-1252-5p	0	-0.08 N/A
hsa-miR-1252-5p	0	-0.29 N/A
hsa-miR-1252-5p	0	-0.28 N/A
hsa-miR-1252-5p	0	-0.27 N/A
hsa-miR-1252-5p	0	-0.07 N/A
hsa-miR-1252-5p	0	-0.41 N/A
hsa-miR-1252-5p	0	-0.03 N/A
hsa-miR-1252-5p	0	-0.05 N/A
hsa-miR-1252-5p	0	-0.26 N/A
hsa-miR-1252-5p	0	-0.3 N/A
hsa-miR-1252-5p	0	-0.19 N/A
hsa-miR-1252-5p	0	-0.26 N/A
hsa-miR-1252-5p	0	-0.14 N/A
hsa-miR-1252-5p	0	-0.09 N/A
hsa-miR-1252-5p	0	-0.13 N/A
hsa-miR-1252-5p	0	-0.02 N/A
hsa-miR-1252-5p	0	-0.23 N/A
hsa-miR-1252-5p	0	-0.24 N/A
hsa-miR-1252-5p	0	-0.06 N/A
hsa-miR-1252-5p	0	-0.18 N/A
hsa-miR-1252-5p	0	-0.13 N/A
hsa-miR-1252-5p	0	-0.15 N/A
hsa-miR-1252-5p	0	-0.2 N/A
hsa-miR-1252-5p	0	-0.21 N/A
hsa-miR-1252-5p	0	-0.21 N/A
hsa-miR-1252-5p	0	-0.22 N/A
hsa-miR-1252-5p	0	-0.02 N/A
hsa-miR-1252-5p	0	-0.22 N/A
hsa-miR-1252-5p	0	-0.19 N/A
hsa-miR-1252-5p	0	-0.22 N/A
hsa-miR-1252-5p	0	-0.21 N/A
hsa-miR-1252-5p	0	-0.12 N/A
hsa-miR-1252-5p	0	-0.01 N/A
hsa-miR-1252-5p	0	-0.05 N/A
hsa-miR-1252-5p	0	-0.19 N/A
hsa-miR-1252-5p	0	-0.04 N/A
hsa-miR-1252-5p	0	-0.08 N/A
hsa-miR-1252-5p	0	-0.03 N/A
hsa-miR-1252-5p	0	-0.22 N/A
hsa-miR-1252-5p	0	-0.02 N/A
hsa-miR-1252-5p	0	-0.3 N/A
hsa-miR-1252-5p	0	-0.24 N/A
hsa-miR-1252-5p	0	-0.17 N/A

hsa-miR-1252-5p	0	-0.15 N/A
hsa-miR-1252-5p	0	-0.02 N/A
hsa-miR-1252-5p	0	-0.14 N/A
hsa-miR-1252-5p	0	-0.16 N/A
hsa-miR-1252-5p	0	-0.16 N/A
hsa-miR-1252-5p	0	-0.17 N/A
hsa-miR-1252-5p	0	-0.15 N/A
hsa-miR-1252-5p	0	-0.17 N/A
hsa-miR-1252-5p	0	-0.12 N/A
hsa-miR-1252-5p	0	-0.02 N/A
hsa-miR-1252-5p	0	-0.03 N/A
hsa-miR-1252-5p	0	-0.14 N/A
hsa-miR-1252-5p	0	-0.04 N/A
hsa-miR-1252-5p	0	-0.15 N/A
hsa-miR-1252-5p	0	-0.13 N/A
hsa-miR-1252-5p	0	-0.18 N/A
hsa-miR-1252-5p	0	-0.01 N/A
hsa-miR-1252-5p	0	-0.14 N/A
hsa-miR-1252-5p	0	-0.16 N/A
hsa-miR-1252-5p	0	-0.16 N/A
hsa-miR-1252-5p	0	-0.15 N/A
hsa-miR-1252-5p	0	-0.18 N/A
hsa-miR-1252-5p	0	-0.01 N/A
hsa-miR-1252-5p	0	-0.02 N/A
hsa-miR-1252-5p	0	-0.15 N/A
hsa-miR-1252-5p	0	-0.18 N/A
hsa-miR-1252-5p	0	-0.25 N/A
hsa-miR-1252-5p	0	-0.17 N/A
hsa-miR-1252-5p	0	-0.23 N/A
hsa-miR-1252-5p	0	-0.14 N/A
hsa-miR-1252-5p	0	-0.17 N/A
hsa-miR-1252-5p	0	-0.03 N/A
hsa-miR-1252-5p	0	-0.14 N/A
hsa-miR-1252-5p	0	-0.14 N/A
hsa-miR-1252-5p	0	-0.14 N/A
hsa-miR-1252-5p	0	-0.06 N/A
hsa-miR-1252-5p	0	-0.02 N/A
hsa-miR-1252-5p	0	-0.04 N/A
hsa-miR-1252-5p	0	-0.19 N/A
hsa-miR-1252-5p	0	-0.07 N/A
hsa-miR-1252-5p	0	-0.12 N/A
hsa-miR-1252-5p	0	-0.14 N/A
hsa-miR-1252-5p	0	-0.01 N/A
hsa-miR-1252-5p	0	-0.27 N/A
hsa-miR-1252-5p	0	-0.1 N/A
hsa-miR-1252-5p	0	-0.08 N/A
hsa-miR-1252-5p	0	-0.02 N/A
hsa-miR-1252-5p	0	-0.23 N/A
hsa-miR-1252-5p	0	-0.11 N/A
hsa-miR-1252-5p	0	-0.03 N/A
hsa-miR-1252-5p	0	-0.12 N/A
hsa-miR-1252-5p	0	-0.1 N/A
hsa-miR-1252-5p	0	-0.02 N/A
hsa-miR-1252-5p	0	-0.01 N/A

hsa-miR-1252-5p	0	-0.06 N/A
hsa-miR-1252-5p	0	-0.1 N/A
hsa-miR-1252-5p	0	-0.01 N/A
hsa-miR-1252-5p	0	-0.03 N/A
hsa-miR-1252-5p	0	-0.09 N/A
hsa-miR-1252-5p	0	-0.12 N/A
hsa-miR-1252-5p	0	-0.11 N/A
hsa-miR-1252-5p	0	-0.02 N/A
hsa-miR-1252-5p	0	-0.11 N/A
hsa-miR-1252-5p	0	-0.2 N/A
hsa-miR-1252-5p	0	-0.04 N/A
hsa-miR-1252-5p	0	-0.15 N/A
hsa-miR-1252-5p	0	-0.1 N/A
hsa-miR-1252-5p	0	-0.12 N/A
hsa-miR-1252-5p	0	-0.02 N/A
hsa-miR-1252-5p	0	-0.12 N/A
hsa-miR-1252-5p	0	-0.11 N/A
hsa-miR-1252-5p	0	-0.02 N/A
hsa-miR-1252-5p	0	-0.12 N/A
hsa-miR-1252-5p	0	-0.11 N/A
hsa-miR-1252-5p	0	-0.07 N/A
hsa-miR-1252-5p	0	-0.1 N/A
hsa-miR-1252-5p	0	-0.24 N/A
hsa-miR-1252-5p	0	-0.02 N/A
hsa-miR-1252-5p	0	-0.1 N/A
hsa-miR-1252-5p	0	-0.11 N/A
hsa-miR-1252-5p	0	-0.1 N/A
hsa-miR-1252-5p	0	-0.2 N/A
hsa-miR-1252-5p	0	-0.07 N/A
hsa-miR-1252-5p	0	-0.15 N/A
hsa-miR-1252-5p	0	-0.03 N/A
hsa-miR-1252-5p	0	-0.29 N/A
hsa-miR-1252-5p	0	-0.07 N/A
hsa-miR-1252-5p	0	-0.02 N/A
hsa-miR-1252-5p	0	-0.15 N/A
hsa-miR-1252-5p	0	-0.06 N/A
hsa-miR-1252-5p	0	-0.16 N/A
hsa-miR-1252-5p	0	-0.05 N/A
hsa-miR-1252-5p	0	-0.05 N/A
hsa-miR-1252-5p	0	-0.03 N/A
hsa-miR-1252-5p	0	-0.13 N/A
hsa-miR-1252-5p	0	-0.04 N/A
hsa-miR-1252-5p	0	-0.38 N/A
hsa-miR-1252-5p	0	-0.02 N/A
hsa-miR-1252-5p	0	-0.07 N/A
hsa-miR-1252-5p	0	-0.04 N/A
hsa-miR-1252-5p	0	-0.03 N/A
hsa-miR-1252-5p	0	-0.18 N/A
hsa-miR-1252-5p	0	-0.04 N/A
hsa-miR-1252-5p	0	-0.01 N/A
hsa-miR-1252-5p	0	-0.02 N/A
hsa-miR-1252-5p	0	-0.05 N/A
hsa-miR-1252-5p	0	-0.09 N/A
hsa-miR-1252-5p	0	-0.02 N/A

hsa-miR-1252-5p	0	-0.05 N/A
hsa-miR-1252-5p	0	-0.03 N/A
hsa-miR-1252-5p	0	-0.05 N/A
hsa-miR-1252-5p	0	-0.1 N/A
hsa-miR-1252-5p	0	-0.08 N/A
hsa-miR-1252-5p	0	-0.03 N/A
hsa-miR-1252-5p	0	-0.03 N/A
hsa-miR-1252-5p	0	-0.02 N/A
hsa-miR-1252-5p	0	-0.17 N/A
hsa-miR-1252-5p	0	-0.06 N/A
hsa-miR-1252-5p	0	-0.05 N/A
hsa-miR-1252-5p	0	-0.05 N/A
hsa-miR-1252-5p	0	-0.02 N/A
hsa-miR-1252-5p	0	-0.24 N/A
hsa-miR-1252-5p	0	-0.02 N/A
hsa-miR-1252-5p	0	-0.03 N/A
hsa-miR-1252-5p	0	-0.07 N/A
hsa-miR-1252-5p	0	-0.17 N/A
hsa-miR-1252-5p	0	-0.05 N/A
hsa-miR-1252-5p	0	-0.03 N/A
hsa-miR-1252-5p	0	-0.03 N/A
hsa-miR-1252-5p	0	-0.14 N/A
hsa-miR-1252-5p	0	-0.03 N/A
hsa-miR-1252-5p	0	-0.08 N/A
hsa-miR-1252-5p	0	-0.56 N/A
hsa-miR-1252-5p	0	-0.07 N/A
hsa-miR-1252-5p	0	-0.07 N/A
hsa-miR-1252-5p	0	-0.06 N/A
hsa-miR-1252-5p	0	-0.04 N/A
hsa-miR-1252-5p	0	-0.08 N/A
hsa-miR-1252-5p	0	-0.01 N/A
hsa-miR-1252-5p	0	-0.18 N/A
hsa-miR-1252-5p	0	-0.11 N/A
hsa-miR-1252-5p	0	-0.01 N/A
hsa-miR-1252-5p	0	-0.14 N/A
hsa-miR-1252-5p	0	-0.02 N/A
hsa-miR-1252-5p	0	-0.14 N/A
hsa-miR-1252-5p	0	-0.02 N/A
hsa-miR-1252-5p	0	-0.02 N/A
hsa-miR-1252-5p	0	-0.06 N/A
hsa-miR-1252-5p	0	-0.24 N/A
hsa-miR-1252-5p	0	-0.26 N/A
hsa-miR-1252-5p	0	-0.02 N/A
hsa-miR-1252-5p	0	-0.18 N/A
hsa-miR-1252-5p	0	-0.03 N/A
hsa-miR-1252-5p	0	-0.01 N/A
hsa-miR-1252-5p	0	-0.28 N/A
hsa-miR-1252-5p	0	-0.02 N/A
hsa-miR-1252-5p	0	-0.02 N/A
hsa-miR-1252-5p	0	-0.06 N/A
hsa-miR-1252-5p	0	-0.06 N/A
hsa-miR-1252-5p	0	-0.02 N/A
hsa-miR-1252-5p	0	-0.5 N/A
hsa-miR-1252-5p	0	-0.18 N/A

hsa-miR-1252-5p	0	-0.02 N/A
hsa-miR-1252-5p	0	-0.21 N/A
hsa-miR-1252-5p	0	-0.03 N/A
hsa-miR-1252-5p	0	-0.1 N/A
hsa-miR-1252-5p	0	-0.01 N/A
hsa-miR-1252-5p	0	-0.07 N/A
hsa-miR-1252-5p	0	-0.01 N/A
hsa-miR-1252-5p	0	-0.03 N/A
hsa-miR-1252-5p	0	-0.05 N/A
hsa-miR-1252-5p	0	-0.11 N/A
hsa-miR-1252-5p	0	-0.05 N/A
hsa-miR-1252-5p	0	-0.02 N/A
hsa-miR-1252-5p	0	-0.03 N/A
hsa-miR-1252-5p	0	-0.03 N/A
hsa-miR-1252-5p	0	-0.11 N/A
hsa-miR-1252-5p	0	-0.22 N/A
hsa-miR-1252-5p	0	-0.12 N/A
hsa-miR-1252-5p	0	-0.11 N/A
hsa-miR-1252-5p	0	-0.01 N/A
hsa-miR-1252-5p	0	-0.12 N/A
hsa-miR-1252-5p	0	-0.12 N/A
hsa-miR-1252-5p	0	-0.09 N/A
hsa-miR-1252-5p	0	-0.02 N/A
hsa-miR-1252-5p	0	-0.02 N/A
hsa-miR-1252-5p	0	-0.12 N/A
hsa-miR-1252-5p	0	-0.16 N/A
hsa-miR-1252-5p	0	-0.01 N/A
hsa-miR-1252-5p	0	-0.21 N/A
hsa-miR-1252-5p	0	-0.03 N/A
hsa-miR-1252-5p	0	-0.02 N/A
hsa-miR-1252-5p	0	-0.2 N/A
hsa-miR-1252-5p	0	-0.11 N/A
hsa-miR-1252-5p	0	-0.02 N/A
hsa-miR-1252-5p	0	-0.02 N/A
hsa-miR-1252-5p	0	-0.03 N/A
hsa-miR-1252-5p	0	-0.13 N/A
hsa-miR-1252-5p	0	-0.07 N/A
hsa-miR-1252-5p	0	-0.18 N/A
hsa-miR-1252-5p	0	-0.02 N/A
hsa-miR-1252-5p	0	-0.02 N/A
hsa-miR-1252-5p	0	-0.02 N/A
hsa-miR-1252-5p	0	-0.08 N/A
hsa-miR-1252-5p	0	-0.15 N/A
hsa-miR-1252-5p	0	-0.16 N/A
hsa-miR-1252-5p	0	-0.04 N/A
hsa-miR-1252-5p	0	-0.19 N/A
hsa-miR-1252-5p	0	-0.03 N/A
hsa-miR-1252-5p	0	-0.07 N/A
hsa-miR-1252-5p	0	-0.11 N/A
hsa-miR-1252-5p	0	-0.12 N/A
hsa-miR-1252-5p	0	-0.02 N/A
hsa-miR-1252-5p	0	-0.03 N/A
hsa-miR-1252-5p	0	-0.05 N/A
hsa-miR-1252-5p	0	-0.11 N/A

hsa-miR-1252-5p	0	-0.24 N/A
hsa-miR-1252-5p	0	-0.14 N/A
hsa-miR-1252-5p	0	-0.33 N/A
hsa-miR-1252-5p	0	-0.2 N/A
hsa-miR-1252-5p	0	-0.18 N/A
hsa-miR-1252-5p	0	-0.08 N/A
hsa-miR-1252-5p	0	-0.07 N/A
hsa-miR-1252-5p	0	-0.02 N/A
hsa-miR-1252-5p	0	-0.1 N/A
hsa-miR-1252-5p	0	-0.13 N/A
hsa-miR-1252-5p	0	-0.03 N/A
hsa-miR-1252-5p	0	-0.02 N/A
hsa-miR-1252-5p	0	-0.02 N/A
hsa-miR-1252-5p	0	-0.05 N/A
hsa-miR-1252-5p	0	-0.01 N/A
hsa-miR-1252-5p	0	-0.06 N/A
hsa-miR-1252-5p	0	-0.02 N/A
hsa-miR-1252-5p	0	-0.03 N/A
hsa-miR-1252-5p	0	-0.01 N/A
hsa-miR-1252-5p	0	-0.02 N/A
hsa-miR-1252-5p	0	-0.02 N/A
hsa-miR-1252-5p	0	-0.11 N/A
hsa-miR-1252-5p	0	-0.05 N/A
hsa-miR-1252-5p	0	-0.02 N/A
hsa-miR-1252-5p	0	-0.04 N/A
hsa-miR-1252-5p	0	-0.47 N/A
hsa-miR-1252-5p	0	-0.36 N/A
hsa-miR-1252-5p	0	-0.18 N/A
hsa-miR-1252-5p	0	-0.05 N/A
hsa-miR-1252-5p	0	-0.02 N/A
hsa-miR-1252-5p	0	-0.08 N/A
hsa-miR-1252-5p	0	-0.12 N/A
hsa-miR-1252-5p	0	-0.09 N/A
hsa-miR-1252-5p	0	-0.03 N/A
hsa-miR-1252-5p	0	-0.12 N/A
hsa-miR-1252-5p	0	-0.02 N/A
hsa-miR-1252-5p	0	-0.07 N/A
hsa-miR-1252-5p	0	-0.23 N/A
hsa-miR-1252-5p	0	-0.06 N/A
hsa-miR-1252-5p	0	-0.21 N/A
hsa-miR-1252-5p	0	-0.13 N/A
hsa-miR-1252-5p	0	-0.03 N/A
hsa-miR-1252-5p	0	-0.08 N/A
hsa-miR-1252-5p	0	-0.23 N/A
hsa-miR-1252-5p	0	-0.05 N/A
hsa-miR-1252-5p	0	-0.32 N/A
hsa-miR-1252-5p	0	-0.01 N/A
hsa-miR-1252-5p	0	-0.15 N/A
hsa-miR-1252-5p	0	-0.02 N/A
hsa-miR-1252-5p	0	-0.03 N/A
hsa-miR-1252-5p	0	-0.02 N/A
hsa-miR-1252-5p	0	-0.1 N/A
hsa-miR-1252-5p	0	-0.1 N/A
hsa-miR-1252-5p	0	-0.07 N/A

