Supplementary Table 1. Marker genes in T_{PEX}, TR_{TEX} clusters and shared T_{PEX}/TR_{TEX} cluster genes.

TPEX cluster	TPEX cluster ∩ TR-TEX cluster	TR-TEX cluster
Inpp4b	Malat1	Chn2
Arap2	Zbtb20	Gm36723
Itgb1	Immp2l	Cd244a
Slamf6	Rabgap1l	2900026A02Rik
Aff3	Bcl2	Entpd1
Gm49180	8030451A03Rik	Zeb2
Nrp1	Tox	Runx1
Il7r	Gm47957	Gm4956.1
Asap1	Fyb	Gzma
Plcl1	Smurf2	Cx3cr1
Scml4	Crppa	Atp8a2
Tcf7	Batf	Dock2
Tnfsf8	Fryl	Chsy1
Ccr6	Nr3c2	Myo1f
Gnaq	Etv6	Nlrc5
Akap13	Ms4a4c	Prkch
Zc3h12d	Mllt3	Grap2
Prkca	Parp8	Pitpnc1
Ccnd3	Cxcl10	Hip1
Gna14	Msi2	Nedd9
Map4k4	Arhgef3	Foxn3
Ccser1	Arhgap26	Trerf1
Spock2	Trps1	Dapk2
AU020206	Smyd3	Cd200r1
Gprin3	Zfp831	Cd200r2
Lrig1	Sntb1	Fasl
Huwe1	Ptpn13	Sytl2
Ext1	Tnrc6b	Dock10
Bace2	Retreg1	Gm4956
Eea1	Skap1	Adgrg1
Mndal	Ncoa1	Osbpl3
Itga4	Themis	Chst11
Ssbp2	Ercc6l2	Prex1
Sidt1	Tshz2	Pde7a
Arhgap5	Sh3kbp1	Tmem163
Gm41031	Cd82	Gm19765
Nfat5	Elmo1	Rbms3
Gpm6b	Fbxl17	Cdk6
Patj	Vps13a	Zmiz1
Nfkb1	Gm2682	Ankrd44
Adk	Zeb1	Rap1gap2
Sesn3	Peli1	Gm10874
Traf1	Arfgef1	Cmip
Dpp4	Igf1r	Glp1r
Insr	Fgfr2	Rgs3
Pou2f2	Ksr1	Klre1
Fgf13	Camk2d	Dock5
Ntrk3	Slc9a7	Mctp2
Slc4a7	Cd247	Baiap3
Zhx2	St6galnac3	Bcl11b
Srrm2	Susd6	Glcci1
Gm31718	Chd6	Arl15
Ptger2	Fam172a	Gng2
Nek7	Maml2	Arhgap10
Ikbke	Lncpint	Prr5l
Jmjd1c	Nsd3	Csf1
Hif1a	Man1a	Abcb1a
Tiam1	Hivep2	Stk32c
Fchsd2	Hpcal1	Prkce
Tspan32	Scaper	Card11
Nt5e	Lrba	Camkmt
Thada	Lcp2	Ppp3ca
Gtf2i	Vps13b	Ccdc88c
Pptc7	Ncoa2	Slc16a10
Plxdc2	Esyt2	Map2k6

Mycbp2
Cpq
Tnip1
Cd84
Ptprk
Mctp1
Ralyl
Ttn
Samd3
Ms4a4b
Dusp4
Tbc1d4
Mgat5
Zfp827
Eomes
Arhgap21
Lax1
4933406J09Rik
Ifngas1
Bcor
Tlk1
Ank3
Cblb
Gpr174
Dleu2
Cd72
Ptprc
Sh2d1a
Aim2
Chd3
Ikzf2
Rnf157
H2-K1
Trbc1
Gucy1a1
Ms4a6b
Cables1
Fam3c
Ar
Tcf12
Mboat1

Sik3
Dscam
Ldlrad4
Itpr2
Rasa1
Celf2
Slc9a9
Atp2b2
Lpin1
Fyn
Klf12
Rasgef1b
Kcnip3
E130308A19Rik
Stk39
Rnf165
Tspan5
Phactr2
Mbnl1
Tbc1d1
Fry
Ikzf3
Lrrk1
Tnik
Kif1b
Abtb2
Setbp1
Jak1
Hipk2
Gm43647
Srgap3
Rhoq
Nck2
Airn
Atp10d
Cd96
Map3k5
Kif13b
Myo1e
Gm44174
Il10ra
Rbl2
P2rx7
Spata13
1700025G04Rik

Tmem135
Kansl1
Asap2
Acoxl
Nsmaf
Cd101
Adam19
Ccr5
Myo3b
Cd226
Heatr9
Smad3
Ubash3b
Btbd11
Abcg3
Tnfsf10
Cd38
Gm12610
Crim1
Fnbp1
Exoc4
Tox2
Ttc28
Dtx1
Rapgef1
Mta3
Pacs1
Arid1b
Ica1
Cd200r4
Pip5k1b
Morrbid
Ifitm10
Fbxl2
Rundc3b
Gm12216
Foxo3
Cdk14
Iqgap2
Filip1
Abr
Btbd9
Itpkb
Sorl1
Coro2a
Cd86
Apbb1ip
Ccl5
Pik3cd
Tsga10
Ralgapa2
Ubac2
Dennd1a
Zfand3
Ptger4
Atg4a
Kif5c
Fgl2
Inpp5d
Arhgef18
Dclk2
Arsb
Aopep
Prkcq
Srgap2
Itgal
Peak1
Gas7
Or13a27
Itga1

Itpk1
Rab8b
Ptpn4
Dock8
Iqsec1
Lamc1
Prkcz
Zfp652
Atxn1
Runx2
Gpd2
Nedd4
Atxn7l1
Cdyl
Cracr2a
Gfod1
Plekhm3
Ripor2
Armc7
Akt3
Rexo5
Ppp1r16b
Cers4
Exoc2
Ankrd11
Cxcr6
Disc1
Grk5
St3gal6
Rras2
Man1c1
Wscd2
Itgav
Rere
Runx3
Vps54
Galnt2
Casp7
Rps6kc1
Gm20696
Lrrc8c
Pard3b
Pdcd1
Itk
Macir
Sema4a
Serpina3g
Ildr1
Gse1
Naip2
Arhgap15
Stk10
Xkr6
Gsap
Mapkapk3
Ddx60
Bicral
Eps8l1
Pbx3
Gm10130
Insyn2b
Plekha1
Tnk2
Zswim6
Zfp407
Txk
Srbd1
Pawr
Rgs1
Eif4g3

Vgll4
Itgb2
Ptpre
Arhgef1
Tasp1
Enox2
Gab3
Rsrc1
Dennd4a
Pik3ap1
Nipal3
Fli1
Usp20
Ank
Irf2
Parp12
Ikzf1
Utrn
Pik3r5
Ppp1r12a
Ptk2b
Ncald
Cdk17
Serpini1
Cpeb2
Niban1
Tmem131l
Prdm1
Akna
Inpp4a
Snx29
Pxylp1
Gvin2
Arhgap31
Map2
Padi2
Foxp1
Mir142hg
Phf1
Pgm2l1
Lpp
Adcy7
F2r
Gzmk
Mdfic
Unc5cl
Vopp1
Lyrm4
Cdkal1
Rassf1
Pcbd2
Xylt1
Adgre5
Bbx
Gm37004
Aak1
St3gal3
Nxn
Pstpip1
Znrf1
Ubash3a
Mcu
Mx1
Dnah8
Arhgap45
Mbd5
Ski
Gm49539
Ddx43
Lrch1

Auh
Adamts10
Stim1
Stag1
Aven
Pcca
Aig1
Mgat4a
St8sia4
Trim14
Epb41
Gm26827
Rasgrp1
Pglyrp2
Gvin1
Cldnd2
Trappc9
Tpst2
Smg6
Cyrib
Phf21a
Pear1
Sec24d
Ambra1
Pik3c2a
Galnt6
Ppm1b
Cog5
Adamts14
Pacsin2
Herc3
Havcr2
Slc36a1
Exoc6b
Slc12a7
Nod1
Sema4d
Atp2a3
Pde11a
Dennd5a
Mthfs
Wwp2
Gtdc1
Nbas
Pvt1
A330023F24Rik
Rftn1
Klf3
Vps13d
Icam1
Dock9
Pias1
Atp2b4
Umad1
Sla2
R3hcc1l
Sytl3
Vti1a
Rasa3
N4bp2l1
Mroh1
Stag2
Nr1d2
Sh2d3c
Arnt
Mx2
Sipa1l1
H2-Q5
Ppm1h
Dnajc1

Acap1
Herc1
Ttc39b
Mipol1
Mbnl2
Nbeal2
Syne1
Fto
Ppp2r5c
Nrf1
Ascc3
Arhgap39
Sesn1
Adcy3
Lrrfip2
Tgfbr2
Pibf1
Camta1
Xrcc4
Mad1l1
Sppl3
Plekhg3
Mrtfa
Gramd1b
Cdyl2
Plcl2
Anks1
Nfatc1
Fbxw4
Agfg1
Kpna4
Atp8a1
Phip
Scfd2
Pou2f1
Kdm4d
Mvb12b
Nsmce2
Cnnm2
Rptor
Mirt1
Herc6
Diaph3
Gm28053
Scly
Cyria
Cep128
Ano6
Stat4
Sp100
Slc22a15
Gm49797
Snx10
Tbc1d12
Gm29721
Gga3
Sp4
Neat1
Arhgap18
Rasgrp2
Diaph2
Ndfip2
Fgd3
Arid1a
Mov10
Il15ra
Atp2b1
Apbb3
Ppard
Kat6b

Tmem104
Taco1
Zc3hav1
Vrk3
Dis3l2
Tpk1
Ppargc1b
Copg2
Cipc
Susd3
Arhgap25
Cradd
Bcl3
Wls
Cyth4
Slc10a7
Stx8
Crmp1
Epsti1
Sipa1l3
Ppp1r12b
Traf3
Spidr
Gbp8
Unkl
Hace1
Zap70
2310002F09Rik
Rapgef2
Prdm11
Rap1gds1
Zdhhc15
Gsk3b
Phkb
Ulbp1
Sfmbt1
Dhx58
Sorbs1
Snx14
Afg1l
Snd1
Reps1
Ppp6r3
Gpr155
Mllt10
Tnfrsf1b
Plcg1
Art2b
Map4k3
Elf4
F730043M19Rik
2700049A03Rik
Stat1
Iigp1
Txndc16
Pdlim5
Ash1l
Car5b
Trim37
Map2k5
H2-Q4
5830432E09Rik
Bicra
Ccm2
Slc39a11
Klrc2
Rb1
Snx18
Dock11
Senp7

Lonp2
4930444A19Rik
Frmd4a
Atg10
Man2a1
Dtnbp1
Nfatc3
Gm36975
Rsu1
Zmynd8
Fam117a
Galnt10
Plxdc1
Zbed5-ps
Arap1
Gm49364
Mosmo
L1cam
Smpdl3b
Gm50230
Dcp1b
Dennd1b
Kif16b
Lyst
Mypopos
AW011738
Sgms1
Zbtb38
Znrf3
Cyth1
Gabbr1
Mef2a
Antxr2
Myo1g
Ahdc1
Rnf139
Cstad
Gm45837
Lilrb4a
Arntl
AW554918
Fbxw11
Traf3ip3
Rigi
Clcn5
Taok3
Itsn2
Shld1
Svil
Gpr107
Rtn4rl1
Taf3
Calhm2
Kdm4c
Limk1
Pkd1
Dop1b
Cdin1
Trim44
Fmnl1
Acot11
Yaf2
Wdr44
Zfp945
Tbc1d22a
Eefsec
Rab11fip3
Arhgap17
1600014C10Rik
Fam102a

Gmds
Cep85l
Cd48
Dipk1a
Rhoh
Oas1b
Rnf213
Tnrc6c
Manba
Inpp5a
Gm20431
Nlrc3
Gm51425
Syne3
Lnpep
Ets1
Rab2a
Myo9b
Disp1
Myo9a
Kif21b
Dyrk1a
Cul3
Micu1
Prrc2b
Gm11613
Apaf1
Map3k14
2610037D02Rik
Xrn1
Zfp395
Katna1
Pkn2
Pkn1
Suco
Cnot4
Sclt1
Ifih1
Tbc1d5
Rfx3
Apex2
Ptpn22
Arid2
Nt5dc1
Stxbp5
Ssbp3
Ppp1r13b
Pi4ka
Asb3
Rbl1
Tgfbr1
Stk3
Vav1
Foxo1
St3gal4
Ttc7b
Pdss2
Tmem175
Usp11
Wwox
Ndufaf2
Ncapd3
Hs2st1
Eif2ak2
Jazf1
Casp8
Rab6b
Chd9
Nbeal1
Mtmr3

Babam2
Gpr68
Adam9
Hdgfl3
Smurf1
Klhl3
Il12rb1
Zfp335
Dcaf5
Arid5b
Hsf1
Ttc7
Psmd14
Sgk1
Rnf43
Ankrd17
Kmt2e
Rnf216
Btbd7
Plaat3
Vwa8
Llgl2
Pitpnm1
Cyth3
Gbp9
Ext2
Vrk2
Dnmbp
Anapc10
Cul9
Fancl
Rasal3
Traf3ip2
Rnf19b
2210408I21Rik
Lpcat1
Asxl2
Stxbp4
Traf5
Tango6
Hdac8
Zbtb40
Timp2
St7l
Ulk2
Heca
Faf1
Sap130
Capn2
Slamf7
Bbs9
Tfeb
Mkln1
Dzip3
Lilrb4b
Gm42722
Acss2
Prim2
Stam
Map4k1
Parp14
Setd2
Lrp6
Osbpl7
Fars2
Gm20605
Tec
Pnpla7
Ccny
Plekha5

Serpinb6a
Dtnb
Ncoa7
Hmg20a
Banp
Clasp1
Bcas3
Gm49339
Arrb1
Tbc1d22b
Gbf1
Dcun1d3
Btrc
Chst12
Atg4d
Rffl
Ergic1
Tmem63a
Gbe1
Rpap2
Fbxo11
Prkag2
Zfp287
Hdac4
Atp6v1h
Tpp2
Mtch1
Cdc14a
Cdk5rap2
Sergef
Mettl15
Zfp512
Cyfip2
Nup210
Znrf2
Akirin2
Dlg1
Zpbp
Tbx21
Atp8b4
Gm28187
Pan2
Apol7e
Stat3
Herc4
Stk24
Lcor
Rora
Atp2c1
Dnajc24
Cep170
Phf20
Carns1
Itpr3
Slc9a1
1700109H08Rik
Tap2
Pepd
Pan3
Mbp
Zswim8
Agpat3
Ttll3
Tanc2
Lamb3
Calcrl
Samsn1
Cdk13
Zdhhc18
Dym

Acss1
Lrig2
Raly
Diaph1
Sec24a
Xpo7
Ccser2
Fez2
Gm16201
Lrrc28
Uckl1
Tnfrsf14
Prkag1
Pdxdc1
Slc45a4
Papss1
Nnt
Pip4k2a
Scarb2
Tmtc4
Efl1
Abl2
Hrh2
Galm
Kansl1l
Rala
Cdc73
Uvrag
H2-M3
Agk
Stk38l
Lmf1
Cers6
Rgs14
Lrrc8d
Szt2
Itprid2
Gm19684
Ralgps1
Xpa
AU040320
Rnf13
Plekhm2
Tut4
Zfp277
Zdhhc20
Trub2
Fam120c
Tlk2
Trappc13
Abl1
Pola1
Eps15l1
Elf1
Arid4b
Elk3
Pde4b
Ppp2r5e
Nxpe3
Jakmip1
Tmco4
Cdc42se2
Hycc2
Kcnk5
Rarg
Unk
Sfi1
Smad2
Il1rap
Gatad2a

Lats2
Ell
Dcps
Mylip
Trafd1
Gm2245
Exoc6
Enpp1
Als2
Psd4
Mbd2
Med14
Fbxo42
Trim41
Phc3
Slx4ip
Extl3
4930503L19Rik
4632427E13Rik
Wdr70
Pnpla8
Gm44148
Nck1
Tmcc1
Pogz
Nsun3
Pip4p2
Pcgf5
Terf1
Notch2
Uqcc1
Erp44
Atf7ip
Dnaaf9
Slc37a1
Ezh1
Mthfsl
Phlpp1
Tbc1d2b
B4galt5
Gm17173
Tbc1d9b
Herpud2
Cysltr2
Hlcs
Fam193a
Nr3c1
Gm11454
Rnf141
Atosa
Rcbtb2
Stn1
Creb1
Rab3ip
Otulinl
Dzip1
Atxn10
Pot1a
Rnf167
Tyk2
Eif2ak3
2010016I18Rik
Cog1
Mxi1
Ldah
Ust
Mast4
Lcorl
Osbpl8
Ints9

Slc23a2
Prdm10
Ammecr1
Xxylt1
Rnf185
Tbc1d10c
Dtx2
Lims1
Mtor
Mtmr12
Abcg1
Prkcb
Il10rb
Slamf1
Cep120
Brd4
Ppip5k1
Hdgfl2
Bcl2l1
Mrtfb
Btg3
Sdccag8
Ago3
2610035D17Rik
3110009E18Rik
Kdm2a
Ccdc93
E4f1
2610008E11Rik
A930015D03Rik
Rbms1
Ttc21b
Agfg2
Cd80
Zfp120
Ddb2
Frs2
Lrrc1
Fbxl12
Iffo2
Atg7
Podnl1
Ryk
B3galnt2
Fig4
Slfn8
Ric1
Lncppara
Cds2
Nme7
Tor3a
Atf6
Slmap
Sec23a
Xdh
Ermard
Jade2
Slc12a6
Nlk
Psen1
Suclg2
Trim30d
Fam13b
Lnpk
Atp11c
Cemip2
Kat6a
Clcf1
Cnot1
Pign

Mrpl33
Slc14a1
Sh3gl1
Mapkap1
Smg7
Gm33989
Gm28047
Lrrfip1
Fancc
Cog4
Rreb1
Clec16a
Tmem161b
Depdc5
Shoc2
Gna15
Zer1
Ncf4
Elf2
Akap8l
Cnst
Wasl
Zfp710
Stx5a
Commd1
Slf2
Ahcyl2
Camk4
Trmt2b
Ctps2
Bin3
4933427D14Rik
Ptpra
Atrn
Mpp7
Snapc4
Mecp2
Zfp994
Armh3
Elp4
Lin52
Phc2
Arhgap35
Ranbp9
Msh3
Pxn
Smarca2
Rapgef6
Rb1cc1
Csk
Stard3nl
Casd1
Tnks
Snrk
Spred2
Mettl25
Trim11
Ero1b
Zzef1
Ntng2
Il27ra
Abi1
Smg9
Akap10
Arhgap27
Ly75
Gm20559
Hdhd5
Ifi206
Mical1

Map3k4
Gm11110
Cpped1
Fhip1b
Tomm34
Chd2
Gm45894
Slc25a12
Eml4
Aplp2
Wbp11
Pcnx
Scaf8
Rnpc3
Stxbp3
Rybp
Zfp672
B230217O12Rik
Sos1
Cbfa2t2
Fbxw7
Tasl
Stx11
Kcnab2
Cyfip1
Appl2
Kdm4b
Sarnp
Tm9sf4
Cnot2
Crebrf
Lrrc8a
Pex14
Dram2
Tcirg1
Sbno2
Phka2
Rabep1
Syne2
Ddx10
Zfp949
Ttc39c
Vps37b
Wdr7
Klhl18
C2cd2
Ttll5
Lemd3
Lrch3
Marchf6
Lfng
Sash3
Gpatch2
Traf7
Apobec1
Heg1
Zbtb4
Sptlc2
Commd10
Glmn
Siah1a
Gbp5
Hs3st3b1
Poln
Usp25
Rin3
Adck1
Or2v1
Myo18a
Ift140

Akap8
Klhl26
Zfp384
Zfp64
Gdpd5
Rev3l
Gm37472
Smyd1
Malsu1
Spice1
Vwa5a
Capzb
Kcnq1ot1
Gfpt1
Abcf3
Tmem131
Med13l
Polr3b
Pum1
Vps8
Hibadh
Wipf2
Phtf2
Ppp5c
Rhof
Mir155hg
R3hdm2
Mms19
Kcmf1
Chchd3
Mob4
Ap3b1
Herc2
Zfp943
Ube2f
Arhgef2
Sbf1
Gdap2
Mtrf1l
Gpr108
Rbm14
Zfyve16
Slc2a9
E130307A14Rik
Scai
Nmi
Gm29609
Ccdc88b
Nisch
Pigu
Stxbp2
Axin1
Rbpj
Fbxw8
Qprt
Rspry1
Nf1
Zfp292
Oas1a
Trim30a
Mon2
Nars2
Cmtr1
Slf1
Dus2
Ccpg1
Ttc17
Mllt1
Dusp10
Tnfrsf25

Gmip
Tmem184b
Nup160
Socs5
Map3k13
Lmbrd2
Mnat1
Afmid
Invs
Shfl
Mapk8
Ncln
Map4
Slc16a6
Lrrc8b
Mrps28
Gm26510
Tab1
Bin1
Krit1
Pi4kb
Sufu
Rab3gap2
Hibch
Tank
Il21r
Ppp2cb
Cwc27
Zfand4
Aff4
Slc9a6
4930523C07Rik
Zc3h3
Zup1
Orai1
Ppil3
Ube2e1
Rab27a
Piezo1
Fyco1
Ccdc6
Cept1
Lck
Mthfd1l
Ccdc171
Ehbp1l1
Slc25a53
Clpb
A530072M11Rik
Oprm1
Mark2
Abcb7
Cacul1
Cep192
Epg5
Trappc8
Kidins220
4930581F22Rik
D5Ertd579e
Gmeb2
Stat2
Klf8
Adap1
Rsf1
Znhit6
Spindoc
Stk40
Capn7
Glb1
Phkg2

B3gntl1
Sun1
Rab5b
Gm20342
Abcc5
Cc2d1a
Chaserr
Elp3
Platr25
Irak2
Dnmt1
Zfp143
Araf
Tbcd
Gabpb1
Epc1
3110056K07Rik
Gm16023
Jmy
Mtr
Atxn2l
Ugp2
Pfkfb3
Prep
Pacs2
Vps37c
Fam185a
Rhbdd1
Tmem164
Trak1
Vps33b
Stx18
Cdc42ep3
Kcnn4
Celsr1
Pigk
Panx1
Nup188
Rbms2
Foxk1
Klhl2
Spata6
Trappc12
Scrib
Adnp2
Rttn
Phf8
Rbm19
Alg9
Zadh2
Xylt2
Tsc22d2
Rmdn1
Tmc8
Faf2
Pik3r1
Elmo2
Klhl7
Ube4b
Rngtt
Nek1
Usp42
Apc
Gm2808
Ppil2
Dnajb6
Fcho2
Rnf121
Zfp142
Cklf

Jade1
Stam2
Dapp1
Wdr37
Atp6v0a2
Baz2b
Btbd10
Casp4
Apeh
Eya3
Ldlrap1
Pdzd8
Zfat
Tceanc2
Ipo11
Zfp808
Dera
Fxr2
Zc3h6
Cit
Slc37a2
Pdcd6ip
Zmym4
Arid5a
Tasor2
Supt3
Sh3bp1
Rfx7
Tbck
Slain1
Zbtb25
Fndc3a
Gm43302
Hip1r
Phf11c
Serinc5
Adar
E2f3
Hnrnph3
AI504432
Stx7
Mapre2
Ap2a1
Mxd1
Yipf1
Zmym3
Ankib1
Ppm1k
L3mbtl3
Sfswap
Tpcn2
Parp11
Def6
Vamp4
Kat7
Edc3
Farsa
Hhat
Clk2
5031425E22Rik
Usp32
Gtf3c1
Zfp317
Fam222b
Nktr
Msra
Klrc1
Ptpn2
Zfp951
Trmt11

Ccdc82
Pde3b
6720427I07Rik
Atp11b
Strn
Sumo2
Wipf1
Septin9
Appl1
Ttc13
Hadhb
Spopl
Vps16
Lclat1
Prpf6
Gm20498
Pisd
Eri1
Terf2
Mau2
Smchd1
Preb
Lockd
Ddx31
Mideas
Cpsf3
Fcho1
Zcchc2
Phlpp2
Ap1b1
Parp6
Ppp1r37
Urgcp
Gcn1
BC004004
Dcaf17
Ifnar2
Ccdc15
Zfyve1
Rnf34
Nsun6
Wdr25
Gm21992
Sik2
Rbks
Ubr2
Dhx30
Ralgapa1
Etfb
Ing4
Abca7
Prf1
Ppp1r21
Lnx2
Ccdc12
Kdm1b
Mlh1
Sbk1
Atp6v1e1
Tent4b
Oas3
Ubp1
Mapkapk2
Cab39l
Farsb
Tm9sf2
Ttc3
Nfkbie
Ppp6r2
Eif2b3

Acsbg1
Pcnx3
Gas2
Atp6v0d1
Ap1g2
Frmd8
Ifi35
Klhl12
C2cd5
Senp1
Cd37
Pcgf3
Cmc1
Golim4
Ifit2
Rab40c
Rnf149
Sec24b
Rnf14
Zmym2
Xpr1
Sertad2
Rnf8
Ptpn12
Khnyn
Ube2h
Htt
Maml1
Zfp961
Arhgap12
Ube2v1
Cdk16
Hgs
Cerk
4930469K13Rik
Katnip
Mtmr14
Smad7
Atl2
Usp18
5730480H06Rik
Pde6d
Xpnpep1
Irak4
Atp7a
Clptm1
Alg14
Usp48
Atp11a
3300002I08Rik
Abcb9
Bop1
Ywhaq
Inpp5f
Nt5c3b
Stat6
Pcsk7
Nceh1
Ubr3
Il16
Ufl1
Crebbp
Sacm1l
Rbbp8
Edc4
Tex2
Fam120b
Drg1
Stx12
Arhgap9

Edrf1
Tspan14
Shprh
Recql5
Fnip1
Focad
Fam117b
Zgrf1
Il2rb
Glipr1
Fut8
Med15
Nup155
Galk2
Zfp729a
Cbx7
Fbxo32
Nelfa
Nup35
Ice1
Smim14
Gpatch8
1500004A13Rik
Hps3
Dgcr2
Agtpbp1
Hat1
Golm1
Ccdc106
Parp4
Rmc1
Numa1
Cramp1
Ppp2r2a
Phf2
Slc30a7
Ndufaf5
Ankrd46
Tango2
Mfsd14b
Fem1c
Cd6
Gtpbp1
Ifi208
Golga1
Glg1
Gatb
Tent4a
Ncoa3
Ifi214
Smarcal1
Ide
Arhgef6
1700028E10Rik
Atp10a
Cwf19l1
Caap1
Snx13
Prkd2
Vps35l
Vapb
Skap2
Dennd1c
Fam149b
Nploc4
Rcn1
Tmem241
Snapc3
Ndel1
Tap1

Lmbrd1
Snx1
Tnpo1
Vapa
5330438D12Rik
Vac14
Tmem229b
Gtf2e2
Rnf115
Ftx
Pik3ca
Zfp592
Tubgcp5
Zfp780b
Galnt7
Gne
Pim1
Nsf
Cog2
Pon2
Ep400
Sipa1
Fbxl20
Ralgapb
Unc13d
Ptprj
Mbtd1
Nomo1
Actr1b
Dnmt3a
Zfp141
Wdr33
Pcmtd1
Ankrd13c
Rnf123
Trappc11
Gskip
Klhl5
Mtfr1
Mtmr2
Impdh1
Clock
Lin54
Prmt9
Akt2
Tbc1d23
Psma3
H2-T23
Hira
Cobll1
Gm8189
Agap3
Mast2
Hmgxb3
Nampt
Gosr1
Septin11
Anapc2
Vps39
Tbc1d10a
Gtf2f2
Slc2a3
Med12l
Brwd1
Pde4d
Mllt6
Tnrc18
Morc3
Ctnnbl1
Slc25a24

Tmx4
Rnf44
Stambpl1
Hivep1
Mlxip
Anapc7
Notch1
Zfp148
Pdpk1
Trip4
1600020E01Rik
Adam10
Nfatc2
Setd7
Zkscan3
Map3k7
Slc2a1
Tfcp2
Bicd2
Ptch1
Clybl
Srebf1
Leng8
Ankhd1
Rrn3
Tyw1
Plekha2
Slc44a2
Abca2
Kmt2b
Itfg1
Zfp810
Dcaf13
Cfdp1
Ankmy2
Lemd2
Stim2
Zhx3
Ube2v2
Rhot1
Slc35a3
Akap9
Gxylt1
Rpap1
Dazap1
Mob1b
Rbm41
Dcun1d1
Ncor2
Gan
Rab11fip4
Trp53bp2
Acap2
Sugp2
Relch
Atg5
Emsy
AI480526
Cse1l
Klhl15
Rint1
Man2b2
Sass6
Tnks2
Anapc1
Med27
Adgrl1
Cryzl1
Dcp1a
Sap30bp

Pik3c3
Zfp251
Gm20517
Smap1
Ranbp10
Eri3
Ip6k2
Zfp638
Clcn7
Cep70
Fus
Ubap1
Blm
Patz1
Zfr
Coa8
Sel1l
Dgkd
Wdr20
Anxa7
Dvl3
Ranbp3
Derl2
Rcor1
Abhd12
Got1
Erc1
Ms4a6c
Foxk2
Zc3h7a
Cmtm7
Dmxl1
Nmnat3
Gsdmd
Ciz1
Tbk1
Rlf
Ddx11
Deaf1
Orc4
Soat1
Ankfy1
Tafazzin
Vps41
Wdr11
Rcsd1
Rad18
Tsc1
Iqce
Mfng
Zfp182
8030462N17Rik
Capn15
Tk2
Cbl
Rars2
Dph6
9930021J03Rik
Strn3
Zfp268
Btbd1
Acap3
Fancm
Bclaf3
Mark3
Ggnbp2
Zranb1
Ckap5
Uba7
Rbm26

Hps5
Nol10
Gimap7
Trim8
Ube2d3
Gpr89
Prkcd
Vps45
Gm37240
Camta2
Usp47
Phf20l1
Dnttip1
Nfkb2
Socs7
Dhx57
Fam118b
Cpsf1
Top3b
Snx3
Cdk19
Ptcd3
Psmf1
Tfdp2
Mettl6
Trappc10
Nt5c3
Mtarc2
Zfp362
Ddhd2
Fkbp15
Ube2d2a
Tbc1d8b
Me2
Sgpl1
Atp6v0e
Fbxo34
Pggt1b
Qki
Rab5a
Spast
Nt5c2
Actr10
Snx2
Spag9
Lrwd1
Jak3
Gripap1
Gga1
Ubxn11
Dpp9
Lamp2
Ppfia1
Nup98
Zfp207
B4galt1
Gfm2
Map7d1
Sec14l1
Dop1a
AB124611
Atf1
2610021A01Rik
Med23
Ppp4r1
Sp140
Map4k2
Scap
Clasrp
Uspl1

Pank4
Lpxn
Hcfc2
Top3a
Nrros
Recql
Egln1
Armc8
Elavl1
Orc3
Hmbox1
Abhd2
Usp40
Ric8a
Rbm4
Csnk1d
Kctd9
Copg1
N4bp1
Adam17
Acadl
Slc28a2
Ncstn
Cdc37l1
Prpf3
Usp9x
Rpa1
Aspscr1
Zfp800
Ric8b
Rai1
Mfsd6
Ccz1
Pinx1
Dcaf6
Kmt5b
Entpd6
mt-Nd6
Dicer1
Lgals8
Med12
Parg
D16Ertd472e
Zzz3
Ip6k1
Rnf169
Tor1aip1
Dgcr8
Tent2
Memo1
Upf1
Map2k1
Ctdp1
Gopc
Ilrun
Asb7
Orc2
Aff1
Maco1
Bpnt2
Phf14
Pphln1
Ptdss1
Zfp933
Dpysl2
Poc5
Eipr1
Dedd2
Appbp2
Rab11fip1

Pmm2
Chic2
Spen
Akt1
Trp53i11
Ints6l
Rab11fip2
Pbrm1
Otud7b
Arpc1a
Mrps27
Epc2
C2cd3
Arfgef2
Vps33a
Atpaf1
Ube2d1
Bdp1
Ufd1
Setd3
Apobec3
Cdc27
Paxip1
Tsg101
Camk2b
Snrnp40
Sec24c
Rhog
Cnot10
Klhl28
Ctsc
H2-T22
Selplg
Paxbp1
Stx4a
Cyba
Klc1
Cog3
Tbp
Clasp2
Rnf41
Ankrd28
Nol11
Etfa
Ube2g2
Rsbn1l
Eif2d
Ncoa6
Csnk1g3
Cspp1
Atp8b2
Ap1g1
Nosip
Foxj3
Prpf39
Rnaseh2b
Ammecr1l
Sart3
Txndc12
Atg2a
Mkrn2
Zbtb17
Helz