|  |  |  |
| --- | --- | --- |
| **Table S7. Transcripts with an eQTL at *Mx1*** | |  |
| **Transcript** | **High expression alleles** | **Low expression alleles** |
| Glt28d2 | ABCDEFG | H |
| Arl13b | ABCDEFG | H |
| Dyrk1a | ABCDEFH | G |
| Synj1 | ABCDEFH | G |
| Picalm | ABCDEFH | G |
| AK038388 | ABCDEFH | G |
| Dcp2 | ABCDEFH | G |
| Snag1 | ABCDEFH | G |
| Kbtbd2 | ABCDEFH | G |
| Clec5a | ABCDEFH | G |
| 5530401N12Rik | ABCDEFH | G |
| Gtf2f1 | ABCDEFH | G |
| Itpkc | ABCDEFH | G |
| Sdccag10 | ABCDEFH | G |
| Tgs1 | ABCDEFH | G |
| Nat5 | ABCDEFH | G |
| Nlrp3 | ABCDEFH | G |
| Sfrs2 | ABCDEFH | G |
| Fem1c | ABCDEFH | G |
| Slc20a1 | ABCDEFH | G |
| Lincr | ABCDEFH | G |
| Timeless | ABCDEFH | G |
| 5830400J07Rik | ABCDEFH | G |
| Ccr2 | ABCDEFH | G |
| Nup54 | ABCDEFH | G |
| Tmem185b | ABCDEFH | G |
| 9430008C03Rik | ABCDEFH | G |
| Sp100 | ABCDEFH | G |
| AA960436 | ABCDEFH | G |
| 2700007P21Rik | ABCDEFH | G |
| Slc35d2 | ABCDEFH | G |
| Chic2 | ABCDEFH | G |
| Osmr | ABCDEFH | G |
| Als2 | ABCDEFH | G |
| Gyk | ABCDEFH | G |
| 3300001M20Rik | ABCDEFH | G |
| Gtpbp4 | ABCDEFH | G |
| Pdzrn3 | ABCDEFH | G |
| Tgs1 | ABCDEFH | G |
| Gmfb | ABCDEFH | G |
| Hbegf | ABCDEFH | G |
| Bin3 | ABCDEFH | G |
| Zdhhc5 | ABCDEFH | G |
| Atf1 | ABCDEFH | G |
| CF747846 | ABCDEFH | G |
| Trps1 | ABCDEFH | G |
| Sar1a | ABCDEFH | G |
| Pycard | ABCDEFH | G |
| Cnih2 | ABCDEFH | G |
| Rps6ka3 | ABCDEFH | G |
| Donson | ABCDEFH | G |
| Adamts1 | ABCDEFH | G |
| NAP060490-1 | ABCDEFH | G |
| Hivep3 | ABCDEFH | G |
| Flnb | ABCDEFH | G |
| Cysltr1 | ABCDEFH | G |
| NAP049188-1 | ABCDEFH | G |
| Srfbp1 | ABCDEFH | G |
| A\_52\_P1013432 | ABCDEFH | G |
| Marcks | ABCDEFH | G |
| Wsb1 | ABCDEFH | G |
| Trim26 | ABCDEFH | G |
| 4833446K15Rik | ABCDEFH | G |
| Capzb | ABCDEFH | G |
| Hk1 | ABCDEFH | G |
| Dclre1c | ABCDEFH | G |
| Sp100 | ABCDEFH | G |
| NAP096720-001 | ABCDEFH | G |
| Vti1a | ABCDEFH | G |
| Vasp | ABCDEFH | G |
| Cbfb | ABCDEFH | G |
| Sap30bp | ABCDEFH | G |
| Rhoc | ABCDEFH | G |
| Ubp1 | ABCDEFH | G |
| Rnf4 | ABCDEFH | G |
| Syncrip | ABCDEFH | G |
| Nek6 | ABCDEFH | G |
| Cd3eap | ABCDEFH | G |
| Larp1 | ABCDEFH | G |
| Mt1 | ABCDEFH | G |
| 4933435A13Rik | ABCDEFH | G |
| Ranbp3 | ABCDEFH | G |
| Foxk2 | ABCDEFH | G |
| Cysltr1 | ABCDEFH | G |
| Riok3 | ABCDEFH | G |
| ENSMUST00000053562 | ABCDEFH | G |
| Rnf12 | ABCDEFH | G |
| Kpna3 | ABCDEFH | G |
| Col4a2 | ABCDEFH | G |
| Pak1ip1 | ABCDEFH | G |
| Ranbp5 | ABCDEFH | G |
| Mki67ip | ABCDEFH | G |
| Mif | ABCDEFH | G |
| Srp72 | ABCDEFH | G |
| Kcmf1 | ABCDEFH | G |
| Scamp4 | ABCDEFH | G |
| Nsf | ABCDEFH | G |
| Sdcbp | ABCDEFH | G |
| Nsf | ABCDEFH | G |
| 1110007M04Rik | ABCDEFH | G |
| 1500002O20Rik | ABCDEFH | G |
| Bysl | ABCDEFH | G |
| Setd4 | ABCDEGH | F |
| 2810055G20Rik | ABCDEGH | F |
| Ets2 | ABCDEH | FG |
| Dscr1 | ABCDFGH | E |
| Gripap1 | ABCDFGH | E |
| Eif5 | ABCDFGH | E |
| Inoc1 | ABCDFGH | E |
| Grin3b | ABCDFGH | E |
| Gng12 | ABCDFGH | E |
| Mxd1 | ABCDFH | EG |
| Icam5 | ABCDFH | EG |
| Srgn | ABCDFH | EG |
| Hif1a | ABCDFH | EG |
| Marcksl1 | ABCDFH | EG |
| Arid5a | ABCDFH | EG |
| Igsf6 | ABCDFH | EG |
| Cdk5r1 | ABCDFH | EG |
| Rnd3 | ABCDFH | EG |
| Marcksl1 | ABCDFH | EG |
| Enc1 | ABCDFH | EG |
| Litaf | ABCDFH | EG |
| Slc39a14 | ABCDFH | EG |
| AK008862 | ABCDFH | EG |
| Mefv | ABCDFH | EG |
| Rnf149 | ABCDFH | EG |
| Dok3 | ABCDFH | EG |
| 8030431J09Rik | ABCDFH | EG |
| Axud1 | ABCDFH | EG |
| Pram1 | ABCDFH | EG |
| Tnfrsf1b | ABCDFH | EG |
| Rhcg | ABCDFH | EG |
| Csf3r | ABCDFH | EG |
| Il17ra | ABCDFH | EG |
| Serpine1 | ABCDFH | EG |
| Plk3 | ABCDFH | EG |
| 0910001A06Rik | ABCDFH | EG |
| Trib1 | ABCDFH | EG |
| Etv6 | ABCDFH | EG |
| Myc | ABCDFH | EG |
| Gcnt2 | ABCDFH | EG |
| Myc | ABCDFH | EG |
| 2310014H01Rik | ABCDFH | EG |
| Il17ra | ABCDFH | EG |
| Rnf149 | ABCDFH | EG |
| Adm | ABCDFH | EG |
| Atf3 | ABCDFH | EG |
| Sbno2 | ABCDFH | EG |
| Plekhq1 | ABCDFH | EG |
| Rnd3 | ABCDFH | EG |
| Zc3h12a | ABCDFH | EG |
| Slc2a1 | ABCDFH | EG |
| BC004022 | ABCDFH | EG |
| C330023M02Rik | ABCDFH | EG |
| Jak2 | ABCDFH | EG |
| Ripk3 | ABCDFH | EG |
| Vcan | ABCDFH | EG |
| Cd300lf | ABCDFH | EG |
| Pstpip1 | ABCDFH | EG |
| Bcl2l11 | ABCDFH | EG |
| 1810009K13Rik | ABCDFH | EG |
| 0910001A06Rik | ABCDFH | EG |
| Tnip1 | ABCDFH | EG |
| Slc16a3 | ABCDFH | EG |
| Daxx | ABCDFH | EG |
| Ltb4r1 | ABCDFH | EG |
| Ptpn1 | ABCDFH | EG |
| Tnfaip8l2 | ABCDFH | EG |
| Ier5l | ABCDFH | EG |
| BC013712 | ABCDFH | EG |
| Sell | ABCDFH | EG |
| Plek | ABCDFH | EG |
| Ccdc88 | ABCDFH | EG |
| Mgat4a | ABCDFH | EG |
| Abtb2 | ABCDFH | EG |
| AI447904 | ABCDFH | EG |
| Irf5 | ABCDFH | EG |
| Selp | ABCDFH | EG |
| Zfp36 | ABCDFH | EG |
| Dennd1c | ABCDFH | EG |
| Chmp4b | ABCDFH | EG |
| Slfn2 | ABCDFH | EG |
| 1-Mar | ABCDFH | EG |
| Rab20 | ABCDFH | EG |
| Junb | ABCDFH | EG |
| C330023M02Rik | ABCDFH | EG |
| BC004022 | ABCDFH | EG |
| C330023M02Rik | ABCDFH | EG |
| Evi2a | ABCDFH | EG |
| Il13ra1 | ABCDFH | EG |
| Slc25a25 | ABCDFH | EG |
| Mlkl | ABCDFH | EG |
| Mapk6 | ABCDFH | EG |
| Lnpep | ABCDFH | EG |
| Fes | ABCDFH | EG |
| Mafb | ABCDFH | EG |
| Il4ra | ABCDFH | EG |
| Slc11a1 | ABCDFH | EG |
| Hcls1 | ABCDFH | EG |
| Slfn5 | ABCDFH | EG |
| Tspan4 | ABCDFH | EG |
| Arhgap30 | ABCDFH | EG |
| Plek | ABCDFH | EG |
| 9130017C17Rik | ABCDFH | EG |
| AK013903 | ABCDFH | EG |
| Vav1 | ABCDFH | EG |
| Was | ABCDFH | EG |
| Slamf6 | ABCDFH | EG |
| Vcpip1 | ABCDFH | EG |
| Rhoh | ABCDFH | EG |
| 2700019D07Rik | ABCDFH | EG |
| H3f3b | ABCDFH | EG |
| Ms4a4d | ABCDFH | EG |
| Sertad1 | ABCDFH | EG |
| Abcb1b | ABCDFH | EG |
| AK042092 | ABCDFH | EG |
| Was | ABCDFH | EG |
| Ms4a6c | ABCDFH | EG |
| Zc3hav1 | ABCDFH | EG |
| Ptpn2 | ABCDFH | EG |
| Hck | ABCDFH | EG |
| Dusp2 | ABCDFH | EG |
| A530032D15Rik | ABCDFH | EG |
| Trex1 | ABCDFH | EG |
| Rsad2 | ABCDFH | EG |
| Sema7a | ABCDFH | EG |
| Fgr | ABCDFH | EG |
| Plec1 | ABCDFH | EG |
| Arhgap30 | ABCDFH | EG |
| 1600014C10Rik | ABCDFH | EG |
| Ncf4 | ABCDFH | EG |
| Eif2s2 | ABCDFH | EG |
| A030007L17Rik | ABCDFH | EG |
| Pdlim7 | ABCDFH | EG |
| Picalm | ABCDFH | EG |
| Wdr4 | ABCDFH | EG |
| Nfkbib | ABCDFH | EG |
| Nt5c3 | ABCDFH | EG |
| Snap29 | ABCDFH | EG |
| Spag9 | ABCDFH | EG |
| Gla | ABCDFH | EG |
| Mcl1 | ABCDFH | EG |
| Gpr65 | ABCDFH | EG |
| AK043151 | ABCDFH | EG |
| Havcr2 | ABCDFH | EG |
| Ppp1r15b | ABCDFH | EG |
| Evi2b | ABCDFH | EG |
| Pdlim7 | ABCDFH | EG |
| Inhba | ABCDFH | EG |
| P2ry6 | ABCDFH | EG |
| Trafd1 | ABCDFH | EG |
| Il12rb1 | ABCDFH | EG |
| Maff | ABCDFH | EG |
| Chd7 | ABCDFH | EG |
| Slc25a37 | ABCDFH | EG |
| Rsad2 | ABCDFH | EG |
| Clic4 | ABCDFH | EG |
| Csf2rb2 | ABCDFH | EG |
| Eif4a1 | ABCDFH | EG |
| Tor1aip1 | ABCDFH | EG |
| Ier5 | ABCDFH | EG |
| Efhd2 | ABCDFH | EG |
| Pim1 | ABCDFH | EG |
| Fosl2 | ABCDFH | EG |
| LOC545342 | ABCDFH | EG |
| Fcer1g | ABCDFH | EG |
| Nktr | ABCDFH | EG |
| Dok1 | ABCDFH | EG |
| Dbn1 | ABCDFH | EG |
| Evi2b | ABCDFH | EG |
| Pbef1 | ABCDFH | EG |
| 2010012C16Rik | ABCDFH | EG |
| Oxsr1 | ABCDFH | EG |
| Azi2 | ABCDFH | EG |
| Ythdf1 | ABCDFH | EG |
| Snx2 | ABCDFH | EG |
| Socs1 | ABCDFH | EG |
| Psma4 | ABCDFH | EG |
| Birc3 | ABCDFH | EG |
| Tnc | ABCDFH | EG |
| 9430034N14Rik | ABCDFH | EG |
| 4933426M11Rik | ABCDFH | EG |
| Vcpip1 | ABCDFH | EG |
| Tmem49 | ABCDFH | EG |
| Pnp | ABCDFH | EG |
| Ykt6 | ABCDFH | EG |
| Slc39a1 | ABCDFH | EG |
| Ykt6 | ABCDFH | EG |
| Dcp2 | ABCDFH | EG |
| Amica1 | ABCDFH | EG |
| Aoah | ABCDFH | EG |
| Vav1 | ABCDFH | EG |
| Uck2 | ABCDFH | EG |
| Aftph | ABCDFH | EG |
| Rrbp1 | ABCDFH | EG |
| Pscd4 | ABCDFH | EG |
| Trafd1 | ABCDFH | EG |
| Tubb6 | ABCDFH | EG |
| Ms4a4b | ABCDFH | EG |
| Cd244 | ABCDFH | EG |
| Cflar | ABCDFH | EG |
| Coro1a | ABCDFH | EG |
| Zcchc2 | ABCDFH | EG |
| Hpse | ABCDFH | EG |
| Nat5 | ABCDFH | EG |
| TC1634227 | ABCDFH | EG |
| Cd86 | ABCDFH | EG |
| 1500012F01Rik | ABCDFH | EG |
| Spty2d1 | ABCDFH | EG |
| Myo1f | ABCDFH | EG |
| 2610208M17Rik | ABCDFH | EG |
| Stat3 | ABCDFH | EG |
| Ppp4c | ABCDFH | EG |
| Tbc1d1 | ABCDFH | EG |
| 1700017B05Rik | ABCDFH | EG |
| Rbm34 | ABCDFH | EG |
| Etf1 | ABCDFH | EG |
| Slamf7 | ABCDFH | EG |
| AI447904 | ABCDFH | EG |
| Lyn | ABCDFH | EG |
| Wdr43 | ABCDFH | EG |
| Skap2 | ABCDFH | EG |
| Ifit2 | ABCDFH | EG |
| Cd52 | ABCDFH | EG |
| Noc3l | ABCDFH | EG |
| Pbef1 | ABCDFH | EG |
| Katna1 | ABCDFH | EG |
| Ifi204 | ABCDFH | EG |
| Rpp38 | ABCDFH | EG |
| Csf2ra | ABCDFH | EG |
| Ubtd1 | ABCDFH | EG |
| Emilin2 | ABCDFH | EG |
| Tcirg1 | ABCDFH | EG |
| Bak1 | ABCDFH | EG |
| AY078069 | ABCDFH | EG |
| Ccl5 | ABCDFH | EG |
| Rbm13 | ABCDFH | EG |
| Aif1 | ABCDFH | EG |
| BC032204 | ABCDFH | EG |
| Usp25 | ABCDFH | EG |
| Rrbp1 | ABCDFH | EG |
| Grina | ABCDFH | EG |
| 5-Mar | ABCDFH | EG |
| Sgk3 | ABCDFH | EG |
| Vcpip1 | ABCDFH | EG |
| Rrp9 | ABCDFH | EG |
| 0910001A06Rik | ABCDFH | EG |
| Runx3 | ABCDFH | EG |
| Rap2c | ABCDFH | EG |
| Ccl2 | ABCDFH | EG |
| Tmem127 | ABCDFH | EG |
| Ccrl2 | ABCDFH | EG |
| Rars | ABCDFH | EG |
| Fst | ABCDFH | EG |
| Josd3 | ABCDFH | EG |
| Noc4l | ABCDFH | EG |
| Ptpn6 | ABCDFH | EG |
| Pnpt1 | ABCDFH | EG |
| Capzb | ABCDFH | EG |
| Capza2 | ABCDFH | EG |
| Gm1966 | ABCDFH | EG |
| Il15ra | ABCDFH | EG |
| Zfand5 | ABCDFH | EG |
| AK087356 | ABCDFH | EG |
| A430084P05Rik | ABCDFH | EG |
| Gch1 | ABCDFH | EG |
| Rhog | ABCDFH | EG |
| Cyp4f18 | ABCDFH | EG |
| Smap1l | ABCDFH | EG |
| Nfkb2 | ABCDFH | EG |
| Slc12a9 | ABCDFH | EG |
| Pcgf5 | ABCDFH | EG |
| 2010106G01Rik | ABCDFH | EG |
| Glipr2 | ABCDFH | EG |
| Syk | ABCDFH | EG |
| Darc | ABCDFH | EG |
| Sgpl1 | ABCDFH | EG |
| Psmd12 | ABCDFH | EG |
| Rab43 | ABCDFH | EG |
| Ogfr | ABCDFH | EG |
| Dcp1a | ABCDFH | EG |
| Casp8 | ABCDFH | EG |
| Lair1 | ABCDFH | EG |
| Gmip | ABCDFH | EG |
| A\_52\_P981179 | ABCDFH | EG |
| Eif4e2 | ABCDFH | EG |
| Spata13 | ABCDFH | EG |
| Tyki | ABCDFH | EG |
| Gosr2 | ABCDFH | EG |
| Rhbdf2 | ABCDFH | EG |
| TC1645771 | ABCDFH | EG |
| Rhbdf2 | ABCDFH | EG |
| Sdad1 | ABCDFH | EG |
| Fcgr2b | ABCDFH | EG |
| Csnk1d | ABCDFH | EG |
| Zcchc2 | ABCDFH | EG |
| Samhd1 | ABCDFH | EG |
| Apob48r | ABCDFH | EG |
| Sap30 | ABCDFH | EG |
| Leprotl1 | ABCDFH | EG |
| Aoc2 | ABCDFH | EG |
| Mpeg1 | ABCDFH | EG |
| TC1688109 | ABCDFH | EG |
| Wipf1 | ABCDFH | EG |
| Cpsf2 | ABCDFH | EG |
| F10 | ABCDFH | EG |
| C3ar1 | ABCDFH | EG |
| P2ry14 | ABCDFH | EG |
| Emilin2 | ABCDFH | EG |
| AK040628 | ABCDFH | EG |
| Bcl3 | ABCDFH | EG |
| Ppp1r15b | ABCDFH | EG |
| Ifi35 | ABCDFH | EG |
| Wsb1 | ABCDFH | EG |
| Tlk2 | ABCDFH | EG |
| Coro1a | ABCDFH | EG |
| Josd3 | ABCDFH | EG |
| Slfn3 | ABCDFH | EG |
| Nufip1 | ABCDFH | EG |
| 1110038B12Rik | ABCDFH | EG |
| Plaur | ABCDFH | EG |
| EG668139 | ABCDFH | EG |
| Tnfrsf12a | ABCDFH | EG |
| Tpd52 | ABCDFH | EG |
| Lgals8 | ABCDFH | EG |
| Cutc | ABCDFH | EG |
| NAP107236-1 | ABCDFH | EG |
| Hipk2 | ABCDFH | EG |
| Has2 | ABCDFH | EG |
| Fgl2 | ABCDFH | EG |
| ENSMUST00000073088 | ABCDFH | EG |
| Tomm20 | ABCDFH | EG |
| AK089832 | ABCDFH | EG |
| Spsb1 | ABCDFH | EG |
| Atp8b4 | ABCDFH | EG |
| Mrto4 | ABCDFH | EG |
| Irf2 | ABCDFH | EG |
| Atp8b1 | ABCDFH | EG |
| Ncoa3 | ABCDFH | EG |
| Dock2 | ABCDFH | EG |
| D630023B12Rik | ABCDFH | EG |
| Sp100 | ABCDFH | EG |
| Rbm19 | ABCDFH | EG |
| Asb13 | ABCDFH | EG |
| Zfp36 | ABCDFH | EG |
| Vps37b | ABCDFH | EG |
| Ugcg | ABCDFH | EG |
| Fndc3a | ABCDFH | EG |
| 3110043O21Rik | ABCDFH | EG |
| Vps54 | ABCDFH | EG |
| Cdv3 | ABCDFH | EG |
| BC016423 | ABCDFH | EG |
| Gosr2 | ABCDFH | EG |
| BC016423 | ABCDFH | EG |
| Rbm9 | ABCDFH | EG |
| Ptgir | ABCDFH | EG |
| Gzmb | ABCDFH | EG |
| Arhgap25 | ABCDFH | EG |
| Mizf | ABCDFH | EG |
| AK081327 | ABCDFH | EG |
| Ankrd49 | ABCDFH | EG |
| 5830443L24Rik | ABCDFH | EG |
| Atxn7l3 | ABCDFH | EG |
| Gbp4 | ABCDFH | EG |
| Smn1 | ABCDFH | EG |
| Thbs1 | ABCDFH | EG |
| 1700027J05Rik | ABCDFH | EG |
| Cyp7b1 | ABCDFH | EG |
| Map3k14 | ABCDFH | EG |
| Cd244 | ABCDFH | EG |
| NAP019557-001 | ABCDFH | EG |
| 5-Mar | ABCDFH | EG |
| Lrp1 | ABCDFH | EG |
| Itga4 | ABCDFH | EG |
| AK039806 | ABCDFH | EG |
| Ctdp1 | ABCDFH | EG |
| Yrdc | ABCDFH | EG |
| Gtf2f2 | ABCDFH | EG |
| Tox4 | ABCDFH | EG |
| Nfam1 | ABCDFH | EG |
| Rbm18 | ABCDFH | EG |
| ORF5 | ABCDFH | EG |
| Parp14 | ABCDFH | EG |
| TC1717672 | ABCDFH | EG |
| Zfp364 | ABCDFH | EG |
| Irgm | ABCDFH | EG |
| Bean | ABCDFH | EG |
| Kpna3 | ABCDFH | EG |
| 6330578E17Rik | ABCDFH | EG |
| Dr1 | ABCDFH | EG |
| 2010106G01Rik | ABCDFH | EG |
| Irgm | ABCDFH | EG |
| Tyrobp | ABCDFH | EG |
| Seh1l | ABCDFH | EG |
| Srm | ABCDFH | EG |
| BC023892 | ABCDFH | EG |
| Snx8 | ABCDFH | EG |
| Pitpna | ABCDFH | EG |
| Maf | ABCDFH | EG |
| Ubap1 | ABCDFH | EG |
| Stam2 | ABCDFH | EG |
| C230075M21Rik | ABCDFH | EG |
| Mobkl2a | ABCDFH | EG |
| Ifnar2 | ABCDFH | EG |
| Trim21 | ABCDFH | EG |
| Psmd3 | ABCDFH | EG |
| AK037475 | ABCDFH | EG |
| AA407452 | ABCDFH | EG |
| Plaur | ABCDFH | EG |
| Pik3cd | ABCDFH | EG |
| Brd2 | ABCDFH | EG |
| 1300018I05Rik | ABCDFH | EG |
| Fbxo42 | ABCDFH | EG |
| Epha2 | ABCDFH | EG |
| Trim30 | ABCDFH | EG |
| Mt1 | ABCDFH | EG |
| Samd9l | ABCDFH | EG |
| Sos1 | ABCDFH | EG |
| Edem1 | ABCDFH | EG |
| Mdk | ABCDFH | EG |
| NAP102462-1 | ABCDFH | EG |
| TC1677080 | ABCDFH | EG |
| Dpy19l1 | ABCDFH | EG |
| Plcg2 | ABCDFH | EG |
| Mapk7 | ABCDFH | EG |
| Ftsj3 | ABCDFH | EG |
| Pwp2 | ABCDFH | EG |
| Gnl3 | ABCDFH | EG |
| Coro7 | ABCDFH | EG |
| AK012844 | ABCDFH | EG |
| Tbrg4 | ABCDFH | EG |
| Adam21 | ABCDFH | EG |
| Smg7 | ABCDFH | EG |
| Ogfrl1 | ABCDFH | EG |
| D10Ertd438e | ABCDFH | EG |
| EG382448 | ABCDFH | EG |
| Baz1a | ABCDFH | EG |
| Tial1 | ABCDFH | EG |
| 1110032O16Rik | ABCDFH | EG |
| 1110018G07Rik | ABCDFH | EG |
| Lair1 | ABCDFH | EG |
| Psmb10 | ABCDFH | EG |
| Surf4 | ABCDFH | EG |
| Cul2 | ABCDFH | EG |
| Rassf1 | ABCDFH | EG |
| Cyba | ABCDFH | EG |
| Pfn1 | ABCDFH | EG |
| Ppp4c | ABCDFH | EG |
| Ptpn22 | ABCDFH | EG |
| Nol10 | ABCDFH | EG |
| Prkx | ABCDFH | EG |
| Olfr741 | ABCDFH | EG |
| 9530028C05 | ABCDFH | EG |
| Zfp384 | ABCDFH | EG |
| Atp8b2 | ABCDFH | EG |
| Gmppb | ABCDFH | EG |
| Arpc4 | ABCDFH | EG |
| Sema4c | ABCDFH | EG |
| AI481105 | ABCDFH | EG |
| BC027231 | ABCDFH | EG |
| H2-T22 | ABCDFH | EG |
| Gfpt2 | ABCDFH | EG |
| Midn | ABCDFH | EG |
| Stat2 | ABCDFH | EG |
| Zfp513 | ABCDFH | EG |
| 3110005G23Rik | ABCDFH | EG |
| Fos | ABCDFH | EG |
| Nol5 | ABCDFH | EG |
| Atp7a | ABCDFH | EG |
| A\_51\_P462771 | ABCDFH | EG |
| NAP007796-001 | ABCDFH | EG |
| Nip7 | ABCDFH | EG |
| Otud5 | ABCDFH | EG |
| Pus1 | ABCDFH | EG |
| Zfp668 | ABCDFH | EG |
| Clic1 | ABCDFH | EG |
| Thbs1 | ABCDFH | EG |
| BC069963 | ABCDFH | EG |
| Pwp2 | ABCDFH | EG |
| Gtf2f2 | ABCDFH | EG |
| BC051230 | ABCDFH | EG |
| Psma4 | ABCDFH | EG |
| Oaf | ABCDFH | EG |
| Eif3s7 | ABCDFH | EG |
| Tmem106a | ABCDFH | EG |
| Cebpb | ABCDFH | EG |
| Lrrc59 | ABCDFH | EG |
| Lrrc4 | ABCDFH | EG |
| Akp2 | ABCDFH | EG |
| Slc30a1 | ABCDFH | EG |
| BC013672 | ABCDFH | EG |
| Dtx4 | ABCDFH | EG |
| Kpnb1 | ABCDFH | EG |
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| Fndc3a | ABCDH | EFG |
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| Nras | ABCDH | EFG |
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| Ddx21 | ABCDH | EFG |
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| Csnk1d | ABCDH | EFG |
| Mansc1 | ABCEFG | DH |
| Tomm7 | ABCEFG | DH |
| Ly6g6d | ABCEFGH | D |
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| Ndufb10 | ABCEFGH | D |
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| Synj2 | ABCEFGH | D |
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| Tekt4 | ABDEFG | CH |
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| Tbcel | ABDEFG | CH |
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| Ccnl1 | ABDH | CEFG |
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| Pcdh12 | ABEFG | CDH |
| Lsm14b | ABEFG | CDH |
| Pls3 | ABEFG | CDH |
| Exoc8 | ABEFG | CDH |
| Sytl4 | ABEFGH | CD |
| Egflam | ABEFGH | CD |
| Pigp | ABEGH | CDF |
| Cbr3 | ACDEFGH | B |
| Glcci1 | ACDEFGH | B |
| Jarid2 | ACDH | BEFG |
| 5730458M16Rik | ACDH | BEFG |
| Mr1 | ACEFG | BDH |
| Ciao1 | ACEFGH | BD |
| Tcp11l2 | ADEFG | BCH |
| Plekha1 | ADEFG | BCH |
| Iqca | AEFG | BCDH |
| Dynlrb2 | AEFG | BCDH |
| 4930430E16Rik | AEFG | BCDH |
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| Ttll7 | AEFG | BCDH |
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| Prkce | AEFG | BCDH |
| Gphn | AEG | BCDFH |
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| 9130221D24Rik | AEG | BCDFH |
| Irx2 | AEG | BCDFH |
| Otub2 | BCD | AEFGH |
| Lrch4 | BCDFH | AEG |
| Arpc2 | BCDFH | AEG |
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| Nxn | BCDFH | AEG |
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| Rgs19 | BCDFH | AEG |
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| Il1r2 | BCDH | AEFG |
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| Tmem167 | BCDH | AEFG |
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| Creb3l1 | BCDH | AEFG |
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| Zfp36l2 | BCDH | AEFG |
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| Mrpl52 | BCDH | AEFG |
| 5133401H06Rik | BCDH | AEFG |
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| Gpr124 | BCFH | ADEG |
| Bop1 | BCH | ADEFG |
| NAP070973-1 | BCH | ADEFG |
| Timm10 | BCH | ADEFG |
| Dusp16 | BD | ACEFGH |
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| Slc25a11 | BEFG | ACDH |
| Coq7 | BEFG | ACDH |
| Snrpn | BEFG | ACDH |
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| Ahrr | C | ABDEFGH |
| Dbr1 | C | ABDEFGH |
| Josd3 | C | ABDEFGH |
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| Inpp5d | CDH | ABEFG |
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| Helz | EG | ABCDFH |
| 4631427C17Rik | EG | ABCDFH |
| Slc9a6 | EG | ABCDFH |
| Yipf2 | EG | ABCDFH |
| Bnip3l | EG | ABCDFH |
| Map3k13 | EG | ABCDFH |
| Ccs | EG | ABCDFH |
| Acsl5 | EG | ABCDFH |
| Macf1 | EG | ABCDFH |
| Lamp3 | EG | ABCDFH |
| Magi3 | EG | ABCDFH |
| Myh7 | EG | ABCDFH |
| Wdr45 | EG | ABCDFH |
| AK078885 | EG | ABCDFH |
| Ica1 | EG | ABCDFH |
| BF642829 | EG | ABCDFH |
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| Nsbp1 | EG | ABCDFH |
| Tnfrsf19 | EG | ABCDFH |
| Cobll1 | EG | ABCDFH |
| Bptf | EG | ABCDFH |
| Daam2 | EG | ABCDFH |
| Ndfip1 | EG | ABCDFH |
| 2210011C24Rik | EG | ABCDFH |
| Abca3 | EG | ABCDFH |
| Pmp22 | EG | ABCDFH |
| 2700049A03Rik | EG | ABCDFH |
| Itga8 | EG | ABCDFH |
| Ptrf | EG | ABCDFH |
| Fmo5 | EG | ABCDFH |
| Plcg1 | EG | ABCDFH |
| Tmc4 | EG | ABCDFH |
| Ndufa6 | EG | ABCDFH |
| Psd3 | EG | ABCDFH |
| Npr3 | EG | ABCDFH |
| Gpr108 | EG | ABCDFH |
| Asb1 | EG | ABCDFH |
| D730040F13Rik | EG | ABCDFH |
| Ttbk2 | EG | ABCDFH |
| Nbeal1 | EG | ABCDFH |
| Pard3 | EG | ABCDFH |
| Ypel3 | EG | ABCDFH |
| Emp2 | EG | ABCDFH |
| Ift140 | EG | ABCDFH |
| Fancb | EG | ABCDFH |
| Map1lc3b | EG | ABCDFH |
| Etv5 | EG | ABCDFH |
| Brd3 | EG | ABCDFH |
| Zfp101 | EG | ABCDFH |
| Mtss1 | EG | ABCDFH |
| Mdh1b | EG | ABCDFH |
| Rbm35a | EG | ABCDFH |
| Acox1 | EG | ABCDFH |
| Elovl5 | EG | ABCDFH |
| Clic3 | EG | ABCDFH |
| Megf9 | EG | ABCDFH |
| Zbtb4 | EG | ABCDFH |
| Parva | EG | ABCDFH |
| Mib1 | EG | ABCDFH |
| Zfp2 | EG | ABCDFH |
| Cav1 | EG | ABCDFH |
| Eif2c1 | EG | ABCDFH |
| Aldh3a2 | EG | ABCDFH |
| Usp34 | EG | ABCDFH |
| Vps13b | EG | ABCDFH |
| Acaa1a | EG | ABCDFH |
| Ccni | EG | ABCDFH |
| Dnm3 | EG | ABCDFH |
| Tspan2 | EG | ABCDFH |
| LOC627873 | EG | ABCDFH |
| Abca3 | EG | ABCDFH |
| Ptprd | EG | ABCDFH |
| Fat4 | EG | ABCDFH |
| Ctdspl | EG | ABCDFH |
| Park2 | EG | ABCDFH |
| Top2b | EG | ABCDFH |
| Sftpa1 | EG | ABCDFH |
| Arhgap12 | EG | ABCDFH |
| Specc1l | EG | ABCDFH |
| Mme | EG | ABCDFH |
| Frat1 | EG | ABCDFH |
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| D930005D10Rik | EG | ABCDFH |
| Cybrd1 | EG | ABCDFH |
| 5730601F06Rik | EG | ABCDFH |
| Huwe1 | EG | ABCDFH |
| 9630058J23Rik | EG | ABCDFH |
| Apc | EG | ABCDFH |
| Ppm1b | EG | ABCDFH |
| Nfia | EG | ABCDFH |
| D12Ertd647e | EG | ABCDFH |
| Thbd | EG | ABCDFH |
| Pnpla8 | EG | ABCDFH |
| Mxi1 | EG | ABCDFH |
| Purg | EG | ABCDFH |
| Opa1 | EG | ABCDFH |
| Smurf2 | EG | ABCDFH |
| Sf3b2 | EG | ABCDFH |
| Pcolce2 | EG | ABCDFH |
| Aktip | EG | ABCDFH |
| Dync1li2 | EG | ABCDFH |
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| Setd7 | EG | ABCDFH |
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| Pxmp4 | EG | ABCDFH |
| Atxn2 | EG | ABCDFH |
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| Epm2aip1 | EG | ABCDFH |
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| Prkaca | EG | ABCDFH |
| Cdc42bpa | EG | ABCDFH |
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| Ankrd5 | EG | ABCDFH |
| 1810008I18Rik | EG | ABCDFH |
| Hisppd2a | EG | ABCDFH |
| Tbc1d19 | EG | ABCDFH |
| Ift20 | EG | ABCDFH |
| Rnf187 | EG | ABCDFH |
| 4-Sep | EG | ABCDFH |
| Slc1a4 | EG | ABCDFH |
| Acp6 | EG | ABCDFH |
| Cd81 | EG | ABCDFH |
| Rb1cc1 | EG | ABCDFH |
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| Nbl1 | EG | ABCDFH |
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| Prkaa2 | EG | ABCDFH |
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| Atp5j2 | EG | ABCDFH |
| Phactr1 | EG | ABCDFH |
| Cebpa | EG | ABCDFH |
| Kif16b | EG | ABCDFH |
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| Myh10 | EG | ABCDFH |
| Zfand6 | EG | ABCDFH |
| Cd97 | EG | ABCDFH |
| Sox18 | EG | ABCDFH |
| Pik3ca | EG | ABCDFH |
| Fat1 | EG | ABCDFH |
| Zmat3 | EG | ABCDFH |
| Xpc | EG | ABCDFH |
| Hint2 | EG | ABCDFH |
| Ccpg1 | EG | ABCDFH |
| Rutbc1 | EG | ABCDFH |
| Mpp5 | EG | ABCDFH |
| 4933404M19Rik | EG | ABCDFH |
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| AI462493 | EG | ABCDFH |
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| Gcat | EG | ABCDFH |
| Cugbp2 | EG | ABCDFH |
| Uqcr | EG | ABCDFH |
| Epas1 | EG | ABCDFH |
| Pftk1 | EG | ABCDFH |
| Chd3 | EG | ABCDFH |
| Gna11 | EG | ABCDFH |
| Myo1b | EG | ABCDFH |
| Sned1 | EG | ABCDFH |
| Cyp39a1 | EG | ABCDFH |
| Rab25 | EG | ABCDFH |
| Tmem29 | EG | ABCDFH |
| Mapk15 | EG | ABCDFH |
| Igf1r | EG | ABCDFH |
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| Vps13d | EG | ABCDFH |
| Rnase4 | EG | ABCDFH |
| 4931406C07Rik | EG | ABCDFH |
| Atp5h | EG | ABCDFH |
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| Pkd1 | EG | ABCDFH |
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| Mapk1ip1 | EG | ABCDFH |
| Adcy9 | EG | ABCDFH |
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| Npr3 | EG | ABCDFH |
| Lsmd1 | EG | ABCDFH |
| Pxmp2 | EG | ABCDFH |
| Tcp11l2 | EG | ABCDFH |
| Gcap14 | EG | ABCDFH |
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| Eif2c1 | EG | ABCDFH |
| Cep63 | EG | ABCDFH |
| Dnajc3a | EG | ABCDFH |
| Serinc1 | EG | ABCDFH |
| Dexi | EG | ABCDFH |
| Cttnbp2 | EG | ABCDFH |
| Yy1 | EG | ABCDFH |
| Fzd7 | EG | ABCDFH |
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| Serpina9 | EG | ABCDFH |
| Dsp | EG | ABCDFH |
| Arid4b | EG | ABCDFH |
| AK086814 | EG | ABCDFH |
| Ttc23 | EG | ABCDFH |
| Phactr1 | EG | ABCDFH |
| Por | EG | ABCDFH |
| Slitrk6 | EG | ABCDFH |
| Hdac7a | EG | ABCDFH |
| Scamp1 | EG | ABCDFH |
| AI597479 | EG | ABCDFH |
| Mosc2 | EG | ABCDFH |
| Erbb3 | EG | ABCDFH |
| Ociad2 | EG | ABCDFH |
| AU042671 | EG | ABCDFH |
| Prkcn | EG | ABCDFH |
| Ppp2r5c | EG | ABCDFH |
| Abi2 | EG | ABCDFH |
| D430042O09Rik | EG | ABCDFH |
| Sftpa1 | EG | ABCDFH |
| Smurf2 | EG | ABCDFH |
| Dhrs13 | EG | ABCDFH |
| Wwp1 | EG | ABCDFH |
| C030015A19Rik | EG | ABCDFH |
| Heca | EG | ABCDFH |
| Tmem165 | EG | ABCDFH |
| Ankrd54 | EG | ABCDFH |
| Prickle1 | EG | ABCDFH |
| Tyro3 | EG | ABCDFH |
| Ndst1 | EG | ABCDFH |
| Rnase4 | EG | ABCDFH |
| Fdx1 | EG | ABCDFH |
| Bcas3 | EG | ABCDFH |
| Ulk1 | EG | ABCDFH |
| Homez | EG | ABCDFH |
| Yipf2 | EG | ABCDFH |
| LOC671029 | EG | ABCDFH |
| Cutl1 | EG | ABCDFH |
| Zfp524 | EG | ABCDFH |
| Dnajc3a | EG | ABCDFH |
| Aldh2 | EG | ABCDFH |
| Kif21a | EG | ABCDFH |
| Clock | EG | ABCDFH |
| Ncoa6 | EG | ABCDFH |
| Cldn7 | EG | ABCDFH |
| Sod1 | EG | ABCDFH |
| Ccdc46 | EG | ABCDFH |
| Gm166 | EG | ABCDFH |
| Scube2 | EG | ABCDFH |
| D1Ertd161e | EG | ABCDFH |
| D130059P03Rik | EG | ABCDFH |
| Zbtb20 | EG | ABCDFH |
| 2410127L17Rik | EG | ABCDFH |
| 4933439F18Rik | EG | ABCDFH |
| Aldh6a1 | EG | ABCDFH |
| Gpr175 | EG | ABCDFH |
| BC043118 | EG | ABCDFH |
| Cbfa2t3h | EG | ABCDFH |
| Cds2 | EG | ABCDFH |
| Fbln1 | EG | ABCDFH |
| Slc5a3 | EG | ABCDFH |
| Lonp2 | EG | ABCDFH |
| Syne1 | EG | ABCDFH |
| Ogt | EG | ABCDFH |
| Upf3b | EG | ABCDFH |
| Clec14a | EG | ABCDFH |
| Lims2 | EG | ABCDFH |
| Specc1l | EG | ABCDFH |
| AK054054 | EG | ABCDFH |
| Man2c1 | EG | ABCDFH |
| Atrnl1 | EG | ABCDFH |
| 2310067B10Rik | EG | ABCDFH |
| Spna2 | EG | ABCDFH |
| Xpr1 | EG | ABCDFH |
| Unc50 | EG | ABCDFH |
| Tgoln1 | EG | ABCDFH |
| Taf4a | EG | ABCDFH |
| Deb1 | EG | ABCDFH |
| Fbxl17 | EG | ABCDFH |
| 1200016B10Rik | EG | ABCDFH |
| Ica1 | EG | ABCDFH |
| Tmem100 | EG | ABCDFH |
| Tnrc6b | EG | ABCDFH |
| 6720456B07Rik | EG | ABCDFH |
| Hlcs | F | ABCDEGH |
| AK050788 | F | ABCDEGH |
| 1190002A17Rik | G | ABCDEFH |
| Ldhb | G | ABCDEFH |
| Ngef | G | ABCDEFH |
| Stk36 | G | ABCDEFH |
| C230082I21Rik | G | ABCDEFH |
| Lrrfip2 | G | ABCDEFH |
| Ndufb11 | G | ABCDEFH |
| Pcp4l1 | G | ABCDEFH |
| 2900046G09Rik | G | ABCDEFH |
| 2010007H06Rik | G | ABCDEFH |
| Ttc18 | G | ABCDEFH |
| Cds1 | G | ABCDEFH |
| AK033818 | G | ABCDEFH |
| Reep6 | G | ABCDEFH |
| Oaz2 | G | ABCDEFH |
| Dact2 | G | ABCDEFH |
| 9830169C18Rik | G | ABCDEFH |
| Itpr1 | G | ABCDEFH |
| Wrb | G | ABCDEFH |
| Mtus1 | G | ABCDEFH |
| C85492 | G | ABCDEFH |
| Rftn2 | G | ABCDEFH |
| Tcea3 | G | ABCDEFH |
| Dalrd3 | G | ABCDEFH |
| Wdr78 | G | ABCDEFH |
| Mapre3 | G | ABCDEFH |
| Dhrs3 | G | ABCDEFH |
| Acss2 | G | ABCDEFH |
| 5330431N19Rik | G | ABCDEFH |
| 2900034E22Rik | G | ABCDEFH |
| 2600009E05Rik | G | ABCDEFH |
| Ppfibp2 | G | ABCDEFH |
| Zmynd12 | G | ABCDEFH |
| E230008N13Rik | G | ABCDEFH |
| Efhb | G | ABCDEFH |
| 4833436C18Rik | G | ABCDEFH |
| Syne2 | G | ABCDEFH |
| 4930535E21Rik | G | ABCDEFH |
| Lama3 | G | ABCDEFH |
| Stim1 | G | ABCDEFH |
| Ptpn13 | G | ABCDEFH |
| Sh3rf1 | G | ABCDEFH |
| ENSMUST00000032357 | G | ABCDEFH |
| Dcun1d2 | G | ABCDEFH |
| 1700019E19Rik | G | ABCDEFH |
| Mapbpip | G | ABCDEFH |
| Bace2 | G | ABCDEFH |
| Gstz1 | G | ABCDEFH |
| Zfp219 | G | ABCDEFH |
| Map3k4 | G | ABCDEFH |
| Pick1 | G | ABCDEFH |
| Crip1 | G | ABCDEFH |
| S100a1 | G | ABCDEFH |
| Pir | G | ABCDEFH |
| Lrrc51 | G | ABCDEFH |
| 2810002I04Rik | G | ABCDEFH |
| Tom1l1 | G | ABCDEFH |
| BC004853 | G | ABCDEFH |
| AK045702 | G | ABCDEFH |
| Mgst1 | G | ABCDEFH |
| Tusc2 | G | ABCDEFH |
| Trim3 | G | ABCDEFH |
| Fem1b | G | ABCDEFH |
| Efemp1 | G | ABCDEFH |
| Mtmr4 | G | ABCDEFH |
| Adrbk2 | G | ABCDEFH |
| Cspp1 | G | ABCDEFH |
| Arhgap18 | G | ABCDEFH |
| Mccc2 | G | ABCDEFH |
| Klhl13 | G | ABCDEFH |
| Phlda2 | G | ABCDEFH |
| Vegfa | G | ABCDEFH |
| Npal2 | G | ABCDEFH |
| Lrig1 | G | ABCDEFH |
| Cxcl15 | G | ABCDEFH |
| Aes | G | ABCDEFH |
| 4933406E20Rik | G | ABCDEFH |
| Es22 | G | ABCDEFH |
| 2810423A18Rik | G | ABCDEFH |
| Gpsn2 | G | ABCDEFH |
| AK042559 | G | ABCDEFH |
| Ankrd15 | G | ABCDEFH |
| Ube2h | G | ABCDEFH |
| Dnase2a | G | ABCDEFH |
| Aktip | G | ABCDEFH |
| Foxj1 | G | ABCDEFH |
| Atp2c2 | G | ABCDEFH |
| A830007P12Rik | G | ABCDEFH |
| Slc12a2 | G | ABCDEFH |
| Eya1 | G | ABCDEFH |
| Lpin1 | G | ABCDEFH |
| Pygb | G | ABCDEFH |
| Tsc22d1 | G | ABCDEFH |
| Zfp664 | G | ABCDEFH |
| Rnf5 | G | ABCDEFH |
| 4932442K08Rik | G | ABCDEFH |
| Ubr2 | G | ABCDEFH |
| Bbs5 | G | ABCDEFH |
| A\_51\_P486046 | G | ABCDEFH |
| Akap8l | G | ABCDEFH |
| Gprasp1 | G | ABCDEFH |
| 2410091C18Rik | G | ABCDEFH |
| Met | G | ABCDEFH |
| Cdc14a | G | ABCDEFH |
| Alkbh7 | G | ABCDEFH |
| B230339M05Rik | G | ABCDEFH |
| Rragd | G | ABCDEFH |
| Arhgdig | G | ABCDEFH |
| Suclg1 | G | ABCDEFH |
| Hmgn3 | G | ABCDEFH |
| Tmem93 | G | ABCDEFH |
| Garnl1 | G | ABCDEFH |
| Pdcd4 | G | ABCDEFH |
| Eml1 | G | ABCDEFH |
| 2810002I04Rik | G | ABCDEFH |
| 4732418C07Rik | G | ABCDEFH |
| 1110054M08Rik | G | ABCDEFH |
| Ccdc13 | G | ABCDEFH |
| Add1 | G | ABCDEFH |
| Pex26 | G | ABCDEFH |
| Prpf8 | G | ABCDEFH |
| 1810048J11Rik | G | ABCDEFH |
| B230219D22Rik | G | ABCDEFH |
| Dtnb | G | ABCDEFH |
| Mpv17 | G | ABCDEFH |
| Trim37 | G | ABCDEFH |
| Sms | G | ABCDEFH |
| Prpf40b | G | ABCDEFH |
| Tom1l2 | G | ABCDEFH |
| Ric8b | G | ABCDEFH |
| Ttll1 | G | ABCDEFH |
| Ppp6c | G | ABCDEFH |
| Dcun1d2 | G | ABCDEFH |
| Rage | G | ABCDEFH |
| Dlg1 | G | ABCDEFH |
| Bbs5 | G | ABCDEFH |
| 4732418C07Rik | G | ABCDEFH |
| Sord | G | ABCDEFH |
| Mmp28 | G | ABCDEFH |
| 4930444P10Rik | G | ABCDEFH |
| Ndufc1 | G | ABCDEFH |
| Acad11 | G | ABCDEFH |
| 2310028O11Rik | G | ABCDEFH |
| Pcca | G | ABCDEFH |
| AK142427 | G | ABCDEFH |
| Nr2f6 | G | ABCDEFH |

Allele groupings were determined by grouping alleles based on the largest differences between groups. A=A/J, B=C57BL/6J, C=129S1/SvImJ, D=NOD/ShiLtJ, E=NZO/HILtJ, F=CAST/EiJ, G=PWK/PhJ, H=WSB/EiJ