Table S1. Differentially expressed gene list

| Gene | PU.1 Peak[a] | Overlapping[b] | Target[c] | PU.1-WT Ratio[d] | 155-WT Ratio[e] |
|---|---|---|---|---|---|
| Abca5 | | | | 1.546 | 2.796 |
| Acpl2 | | | | 1.074 | 3.090 |
| Adc | | | | 0.966 | 2.488 |
| Adcy6 | | | 6(2) | 1.000 | 6.870 |
| Adm | | | | 1.556 | 3.470 |
| Adora3[f] | Yes | Yes | | 1.599 | 15.462 |
| Agrn | | | | 1.461 | 2.525 |
| Aicda | | | 8(1) C | 1.134 | 2.268 |
| Aire | | | | 1.141 | 5.923 |
| Ak4 | | | 7(1) 6(2) C | 1.930 | 0.162 |
| Alcam[f] | Yes | Yes | | 1.216 | 2.293 |
| Aldh1l2 | | | | 1.802 | 10.169 |
| Aldoc | | | | 1.509 | 0.591 |
| Angptl6 | | | | 1.399 | 5.021 |
| Ankrd33b | | | 8(1) 7(2) 6(2) 6(2) C | 1.281 | 3.202 |
| Ankrd37 | | | | 2.006 | 0.305 |
| Anpep | | | | 3.076 | 38.524 |
| Anxa2 | | | | 3.463 | 3.238 |
| Aqp9 | Yes | Yes | | 7.147 | 95.943 |
| Arg2 | | | 7(2) | 1.946 | 31.271 |
| Arhgap18 | Yes | Yes | 8(1) | 1.339 | 3.739 |
| Arhgap8 | | | | 2.071 | 1.593 |
| Arid5a | Yes | Yes | 7(2) | 1.597 | 1.361 |
| Arl4c | Yes | Yes | | 1.644 | 3.912 |
| Asns | | | | 1.625 | 3.378 |
| Ass1 | Yes | No | 8(1) | 0.975 | 2.288 |
| Atf5 | | | | 1.401 | 4.059 |
| Atp11a | | | 7(2) | 1.198 | 2.820 |
| Atp2b4 | | | | 1.394 | 3.872 |
| Axl | | | 7(2) | 2.343 | 2.754 |
| Bach1 | | | 8(1) 7(2) C | 0.823 | 2.298 |
| Basp1 | | | | 2.514 | 3.138 |
| BC016495 | | | | 1.119 | 2.942 |
| Bcl2a1a | | | | 14.815 | 25.761 |
| Bcl2a1b | | | | 1.993 | 2.395 |
| Bcl2a1d | | | | 1.846 | 2.147 |
| Bend4 | | | 8(1) 6(2) | 1.202 | 4.191 |
| Bmp1 | | | | 1.465 | 2.760 |
| Bnip3 | | | | 1.628 | 0.547 |
| Bnip3l | | | | 1.348 | 0.576 |
| Bzrap1 | | | | 1.068 | 5.900 |
| Cabp4 | Yes | Yes | | 2.618 | 0.945 |
| Car2 | Yes | Yes | | 3.217 | 4.610 |
| Card11[f] | Yes | Yes | 7(1) C | 1.598 | 2.840 |
| Ccl22 | | | | 5.022 | 8.634 |
| Ccl5 | | | | 2.762 | 6.408 |
| Ccnd2 | | | | 1.629 | 2.100 |
| Ccr4 | | | | 1.279 | 2.719 |
| Ccr7[f] | Yes | Yes | | 1.829 | 3.274 |
| Ccrl2 | | | | 2.138 | 1.953 |
| Cd300lf[f] | Yes | Yes | | 3.323 | 7.618 |
| Cd36 | Yes | Yes | | 1.860 | 1.148 |
| Cd63 | | | | 1.615 | 10.494 |
| Cd80[f] | Yes | No | | 2.258 | 3.492 |
| Cd96 | | | 7(2) | 0.368 | 0.601 |
| Cdkn1a | | | | 1.388 | 2.688 |
| Cdkn2a | | | | 2.763 | 5.053 |

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|---|---|---|---|---|---|
| Cflar | | | | 1.594 | 1.634 |
| Cfp | Yes | Yes | | 2.521 | 2.184 |
| Chac1 | | | | 1.425 | 3.083 |
| Chd3 | | | | 1.065 | 2.242 |
| Cldn13 | | | | 1.328 | 4.119 |
| Cmpk2 | | | | 1.432 | 0.374 |
| Cox6a2 | | | | 2.541 | 11.136 |
| Crhbp | Yes | Yes | | 2.416 | 6.830 |
| Csf1 | | | 6(2) | 0.926 | 0.375 |
| Csf2rb | | | | 1.729 | 2.647 |
| Csf2rb2 | Yes | Yes | | 3.235 | 4.883 |
| Csf3r | | | | 2.152 | 12.710 |
| Cst7 | | | | 0.857 | 2.976 |
| Cth | | | | 1.702 | 5.699 |
| Cxcr4[†] | Yes | Yes | | 1.438 | 2.670 |
| Cyb5r1 | | | 7(2) | 1.257 | 2.752 |
| D14Ertd668e | | | | 2.061 | 0.645 |
| Dact3 | | | | 2.304 | 4.496 |
| Dapk2 | | | | 2.030 | 1.764 |
| Dbn1 | | | 7(2) C | 1.060 | 8.954 |
| Ddit3 | | | | 1.446 | 3.517 |
| Ddx58 | | | | 1.364 | 0.669 |
| Ddx60 | Yes | No | | 2.096 | 1.466 |
| Dennd5a | Yes | No | | 1.610 | 1.401 |
| Dgat2 | | | | 1.658 | 3.009 |
| Dhx57 | | | | 1.665 | 1.864 |
| Dlk1 | | | | 0.988 | 4.125 |
| Dnaja4 | | | | 0.887 | 3.211 |
| Dusp6 | Yes | Yes | | 0.743 | 0.337 |
| E030011O05Rik | Yes | Yes | | 2.461 | 1.965 |
| Egfl7 | | | | 0.420 | 0.316 |
| Egln3 | | | | 1.259 | 0.371 |
| Ehd1 | | | 7(1) C | 1.365 | 2.285 |
| Ehd3 | | | | 0.798 | 0.264 |
| Eif5a2 | | | 7(2) C | 0.907 | 0.296 |
| Eno1 | | | | 1.001 | 0.365 |
| Entpd1 | | | | 1.941 | 1.209 |
| Epb4.1l3 | | | | 1.555 | 12.380 |
| Epha2 | | | | 1.918 | 8.660 |
| Epsti1 | | | | 1.600 | 0.985 |
| Erg | Yes | Yes | | 0.198 | 0.034 |
| Etnk2 | | | 7(1) C | 2.237 | 8.225 |
| Etv5 | Yes | Yes | 7(2) | 1.915 | 1.279 |
| Dact4 | | | | 1.310 | 3.071 |
| Dapk3 | | | | 1.301 | 3.090 |
| Dbn2 | | | 7(2) C | 1.291 | 3.108 |
| Ddit4 | | | | 1.281 | 3.126 |
| Ddx62 | | | | 1.272 | 3.144 |
| Ddx64 | Yes | No | | 1.262 | 3.163 |
| Dennd5a | Yes | No | | 1.253 | 3.181 |
| Dgat3 | | | | 1.243 | 3.199 |
| Dhx58 | | | | 1.234 | 3.217 |
| Dlk2 | | | | 1.224 | 3.236 |
| Dnaja5 | | | | 1.214 | 3.254 |
| Dusp7 | Yes | Yes | | 1.205 | 3.272 |
| E030011O05Rik | Yes | Yes | | 1.195 | 3.291 |
| Egfl8 | | | | 1.186 | 3.309 |
| Egln4 | | | | 1.176 | 3.327 |
| Dact4 | | | | 1.166 | 3.345 |
| Dapk3 | | | | 1.157 | 3.364 |

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| Dbn2 | | | 7(2) C | 1.147 | 3.382 |
| Ddit4 | | | | 1.138 | 3.400 |
| Ddx62 | | | | 1.128 | 3.418 |
| Ddx64 | Yes | No | | 1.119 | 3.437 |
| Dennd5a | Yes | No | | 1.109 | 3.455 |
| Dgat3 | | | | 1.099 | 3.473 |
| Dhx58 | | | | 1.090 | 3.491 |
| Dlk2 | | | | 1.080 | 3.510 |
| Dnaja5 | | | | 1.071 | 3.528 |
| Dusp7 | Yes | Yes | | 1.061 | 3.546 |
| E030011O05Rik | Yes | Yes | | 1.052 | 3.564 |
| Egfl8 | | | | 1.042 | 3.583 |
| Egln4 | | | | 1.032 | 3.601 |
| Ehd5 | | | 7(1) C | 1.023 | 3.619 |
| Ehd7 | | | | 1.013 | 3.637 |
| Eif5a3 | | | 7(2) C | 1.004 | 3.656 |
| Eno2 | | | | 0.994 | 3.674 |
| Entpd2 | | | | 0.985 | 3.692 |
| Epb4.1l4 | | | | 0.975 | 3.711 |
| Epha3 | | | | 0.965 | 3.729 |
| Epsti2 | | | | 0.956 | 3.747 |
| Dact4 | | | | 0.946 | 3.765 |
| Dapk3 | | | | 0.937 | 3.784 |
| Dbn2 | | | 7(2) C | 0.927 | 3.802 |
| Ddit4 | | | | 0.917 | 3.820 |
| Ddx62 | | | | 0.908 | 3.838 |
| Ddx64 | Yes | No | | 0.898 | 3.857 |
| Dennd5a | Yes | No | | 0.889 | 3.875 |
| Dgat3 | | | | 0.879 | 3.893 |
| Dhx58 | | | | 0.870 | 3.911 |
| Dlk2 | | | | 0.860 | 3.930 |
| Dnaja5 | | | | 0.850 | 3.948 |
| Iah1 | | | | 1.328 | 2.412 |
| Ica1 | Yes | Yes | | 0.886 | 5.502 |
| Icosl[f] | Yes | Yes | 7(2) C | 1.419 | 6.268 |
| Ido1 | | | | 2.297 | 1.109 |
| Ido2 | | | | 2.388 | 2.525 |
| Ifi27l2a | | | | 1.001 | 0.361 |
| Ifi27l2b | | | | 0.975 | 0.355 |
| Ifi47 | | | | 1.069 | 0.415 |
| Ifih1 | | | 6(2) | 1.566 | 1.219 |
| Ifit1 | | | 6(2) | 2.265 | 1.348 |
| Ifit2 | | | 7(1) 7(1) C | 2.018 | 0.967 |
| Ifitm2 | | | | 1.439 | 5.138 |
| Ifitm3 | | | | 1.801 | 0.467 |
| Igfbp4 | | | | 2.755 | 17.389 |
| Ighg2c | | | | 1.617 | 6.815 |
| Igj | | | 6(2) | 0.460 | 0.531 |
| Il10ra | | | | 1.691 | 1.312 |
| Il1r1[f] | Yes | Yes | | 1.754 | 5.503 |
| Il2rb | | | | 0.574 | 0.182 |
| Il6[f] | Yes | Yes | | 2.180 | 4.592 |
| Inpp4b | Yes | Yes | 7(1) C | 1.560 | 3.757 |
| Irf2bp2 | Yes | Yes | | 1.081 | 2.332 |
| Irf7 | | | | 1.733 | 0.512 |
| Irg1 | Yes | Yes | | 3.475 | 21.461 |
| Irgm1 | | | | 1.239 | 0.532 |
| Isg15 | | | | 1.646 | 0.979 |
| Itga5 | | | | 1.467 | 4.769 |
| Itga6 | Yes | Yes | | 0.931 | 3.071 |

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| Iah2 | | | | 1.648 | 4.946 |
| Ica2 | Yes | Yes | | 1.651 | 5.036 |
| Icosl[†] | Yes | Yes | 7(2) C | 1.655 | 5.127 |
| Ido3 | | | | 1.659 | 5.217 |
| Ido4 | | | | 1.663 | 5.307 |
| Ifi27l2a | | | | 1.666 | 5.398 |
| Ifi27l2b | | | | 1.670 | 5.488 |
| Ifi48 | | | | 1.674 | 5.578 |
| Ifih2 | | | 6(2) | 1.678 | 5.669 |
| Ifit3 | | | 6(2) | 1.681 | 5.759 |
| Ifit4 | | | 7(1) 7(1) C | 1.685 | 5.849 |
| Ifitm4 | | | | 1.689 | 5.940 |
| Ifitm5 | | | | 1.692 | 6.030 |
| Igfbp5 | | | | 1.696 | 6.120 |
| Ighg2c | | | | 1.700 | 6.210 |
| Igj | | | 6(2) | 1.704 | 6.301 |
| Il10ra | | | | 1.707 | 6.391 |
| Il1r1[†] | Yes | Yes | | 1.711 | 6.481 |
| Il2rb | | | | 1.715 | 6.572 |
| Iah2 | | | | 1.719 | 6.662 |
| Ica2 | Yes | Yes | | 1.722 | 6.752 |
| Icosl[†] | Yes | Yes | 7(2) C | 1.726 | 6.843 |
| Ido3 | | | | 1.730 | 6.933 |
| Ido4 | | | | 1.734 | 7.023 |
| Ifi27l2a | | | | 1.737 | 7.114 |
| Ifi27l2b | | | | 1.741 | 7.204 |
| Ifi48 | | | | 1.745 | 7.294 |
| Ifih2 | | | 6(2) | 1.749 | 7.385 |
| Ifit3 | | | 6(2) | 1.752 | 7.475 |
| Ifit4 | | | 7(1) 7(1) C | 1.756 | 7.565 |
| Ifitm4 | | | | 1.760 | 7.655 |
| Ifitm5 | | | | 1.764 | 7.746 |
| Igfbp5 | | | | 1.767 | 7.836 |
| Ighg2c | | | | 1.771 | 7.926 |
| Igj | | | 6(2) | 1.775 | 8.017 |
| Mthfr | | | | 1.687 | 1.351 |
| Mthfs | | | | 1.975 | 2.362 |
| Mx1 | | | | 1.346 | 0.252 |
| Mx2 | | | | 1.476 | 0.349 |
| Mycl1 | | | 7(2) | 2.370 | 4.122 |
| Myl12b | | | | 1.682 | 1.777 |
| Mylk | | | 6(2) | 0.487 | 0.917 |
| Naip2 | Yes | Yes | | 1.624 | 0.700 |
| Ndrg2 | | | | 1.594 | 4.551 |
| Neat1 | | | | 1.088 | 3.195 |
| Necab3 | | | | 2.712 | 1.382 |
| Nek1 | Yes | Yes | | 0.995 | 2.389 |
| Neurl3 | Yes | Yes | | 2.320 | 1.184 |
| Nfam1[†] | Yes | No | | 2.547 | 1.586 |
| Nfe2l2 | | | 8(1) C | 1.075 | 3.058 |
| Nid1 | Yes | No | 6(2) | 2.432 | 5.526 |
| Nlgn2 | | | | 1.663 | 1.475 |
| Nlrc3 | | | | 0.451 | 0.386 |
| Nqo1 | | | | 0.758 | 6.149 |
| Nr1d2 | | | 6(2) 6(2) | 0.984 | 2.997 |
| Nrp2 | Yes | Yes | | 1.645 | 1.194 |
| Nupr1 | | | | 2.231 | 12.053 |
| Oas1a | | | | 1.583 | 0.731 |
| Oas1g | | | | 2.581 | 0.985 |
| Oas2 | | | | 2.135 | 0.587 |

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|---|---|---|---|---|---|
| Oas3 | | | | 1.839 | 0.519 |
| Oasl1 | | | | 1.883 | 2.003 |
| Oasl2 | | | | 2.070 | 0.987 |
| P2rx3 | | | | 0.375 | 1.977 |
| Pak6 | | | 6(2) | 1.785 | 4.394 |
| Papss2 | | | | 2.004 | 2.493 |
| Paqr3 | | | | 1.539 | 4.259 |
| Parp12 | | | 6(2) | 2.211 | 0.609 |
| Pck2 | | | | 1.492 | 3.073 |
| Pdcd1lg2[†] | Yes | Yes | | 0.640 | 0.349 |
| Pde2a | | | | 0.530 | 0.263 |
| Pdk1 | | | 7(2) | 1.389 | 0.669 |
| Pear1 | | | | 0.954 | 0.340 |
| Pfkl | | | | 1.286 | 0.377 |
| Pgam1 | | | | 1.121 | 0.441 |
| Pgk1 | | | | 1.073 | 0.415 |
| Pgm2 | | | | 1.374 | 0.540 |
| Pgm2l1 | | | 7(2) | 1.680 | 2.066 |
| Phyhd1 | | | | 1.450 | 5.576 |
| Pik3c2b | | | | 1.176 | 0.549 |
| Pkib | Yes | Yes | 7(2) | 1.781 | 1.595 |
| Pkm2 | | | | 1.147 | 0.508 |
| Pla1a | Yes | Yes | | 3.955 | 6.023 |
| Plbd1 | Yes | No | | 1.810 | 2.515 |
| Plcd3 | Yes | No | | 1.861 | 1.783 |
| Plekha6 | | | | 2.191 | 1.886 |
| Plscr1 | | | | 2.024 | 1.701 |
| Plxdc1 | | | 6(2) | 0.879 | 5.132 |
| Plxna1 | | | | 1.394 | 2.722 |
| Plxnd1[†] | Yes | Yes | | 1.587 | 2.183 |
| Pmaip1 | Yes | Yes | 8(1) 8(1) C | 2.075 | 6.979 |
| Pole2 | | | | 0.808 | 0.393 |
| Ppard | | | | 1.801 | 1.459 |
| Ppfibp2 | Yes | Yes | | 1.597 | 5.825 |
| Ppm1l | Yes | Yes | | 1.163 | 2.390 |
| Ppp1r15a | | | | 0.981 | 0.438 |
| Ppp1r16b | Yes | Yes | 8(1) C | 1.929 | 1.101 |
| Procr | | | | 1.789 | 5.359 |
| Pros1 | | | | 0.559 | 0.833 |
| Prox2 | | | | 1.839 | 2.237 |
| Prr5l | Yes | Yes | | 3.288 | 6.494 |
| Psd3 | Yes | No | 7(2) 7(2) 7(1) 6(2) C | 1.157 | 3.085 |
| Ptgir | | | | 1.193 | 3.166 |
| Ptgs1 | | | | 0.576 | 0.252 |
| Ptov1 | | | | 1.100 | 2.747 |
| Ptprj | Yes | Yes | 7(1) C | 0.790 | 2.158 |
| Ptprs | | | | 1.247 | 2.840 |
| Pvrl1[†] | Yes | Yes | | 2.597 | 4.276 |
| Pydc3 | | | 6(2) | 1.543 | 0.250 |
| Pydc4 | | | | 1.774 | 0.346 |
| Pyhin1 | Yes | Yes | 7(1) | 1.134 | 0.470 |
| Rab34 | | | 7(1) C | 1.481 | 4.742 |
| Rab39b | | | 7(1) 6(2) | 1.056 | 0.186 |
| Rab4a | | | | 24.323 | 60.736 |
| Ralgapa2 | Yes | Yes | | 1.647 | 1.584 |
| Rap1gap2 | | | 6(2) 6(2) | 1.235 | 3.901 |
| Rasa4 | | | | 2.058 | 1.716 |
| Rasgrf1 | Yes | Yes | | 1.608 | 5.351 |
| Rasgrp3[†] | Yes | Yes | | 1.629 | 1.360 |

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|---|---|---|---|---|---|
| Rassf4 | Yes | Yes | | 2.283 | 3.355 |
| Rell1 | | | 8(1) 7(1) 6(2) C | 0.516 | 1.073 |
| Rnf183 | | | | 1.121 | 0.246 |
| Rnf213 | Yes | Yes | 6(2) | 1.207 | 0.406 |
| Rragb | | | | 1.246 | 0.199 |
| Rsad2 | | | | 2.945 | 1.051 |
| Rtp4 | | | | 1.637 | 0.395 |
| Rxra | | | | 1.275 | 6.667 |
| Ryr2 | | | | 0.426 | 0.702 |
| S100a11 | Yes | Yes | | 1.581 | 1.904 |
| S1pr1[†] | Yes | Yes | 7(2) C | 0.846 | 2.776 |
| Sbf2 | Yes | Yes | | 1.510 | 2.632 |
| Sema4a[†] | | | | 4.198 | 2.257 |
| Sema4b[†] | Yes | Yes | | 0.648 | 0.438 |
| Sema6d | Yes | Yes | 6(2) | 0.727 | 2.130 |
| Sema7a[†] | Yes | Yes | | 2.149 | 2.574 |
| Sepp1 | Yes | Yes | | 0.516 | 0.624 |
| Sept3 | | | | 2.114 | 2.716 |
| Serpinb6b | Yes | Yes | | 2.068 | 1.199 |
| Serpinb9 | | | 8(1) | 1.826 | 1.142 |
| Sfn | | | | 0.666 | 0.328 |
| Sfpi1 | | | 8(1) C | 1.932 | 1.418 |
| Sh3rf1 | Yes | Yes | | 3.015 | 5.946 |
| Sipa1l1 | Yes | Yes | | 1.580 | 2.054 |
| Sirpa[†] | Yes | Yes | | 2.887 | 8.803 |
| Sit1 | | | | 0.939 | 0.208 |
| Sla | | | | 1.135 | 2.684 |
| Sla2 | | | | 0.393 | 0.692 |
| Slamf1[†] | Yes | Yes | | 2.470 | 4.149 |
| Slc12a9 | Yes | Yes | | 1.850 | 1.352 |
| Slc16a3 | | | | 1.714 | 0.212 |
| Slc1a4 | | | | 1.442 | 2.503 |
| Slc23a2 | Yes | Yes | | 0.739 | 0.418 |
| Slc2a1 | Yes | Yes | | 1.333 | 0.541 |
| Slc30a4 | | | | 1.657 | 1.440 |
| Slc31a2 | Yes | Yes | | 1.574 | 1.179 |
| Slc44a1 | | | | 0.928 | 2.183 |
| Slc5a3 | | | | 1.500 | 2.630 |
| Slc6a9 | | | | 1.570 | 4.725 |
| Slc7a3 | | | | 1.615 | 3.335 |
| Slfn5 | Yes | Yes | | 1.340 | 0.365 |
| Slfn8 | Yes | Yes | | 1.117 | 0.151 |
| Smpd3 | | | | 4.614 | 5.866 |
| Snhg12 | | | | 1.543 | 0.528 |
| Snx10 | | | | 1.594 | 1.646 |
| Soat2 | | | | 1.952 | 6.094 |
| Socs3 | Yes | Yes | | 2.307 | 2.240 |
| Sp140 | Yes | Yes | | 1.613 | 1.718 |
| Src | | | | 0.634 | 2.199 |
| Srl | | | 7(1) | 1.930 | 2.096 |
| Srxn1 | | | | 0.589 | 13.084 |
| St14 | | | | 1.819 | 1.259 |
| St3gal6 | Yes | Yes | | 1.166 | 0.499 |
| Ston1 | | | | 1.834 | 3.644 |
| Sulf2 | | | | 0.747 | 3.795 |
| Syt11 | | | | 1.272 | 0.446 |
| Sytl1 | | | | 1.346 | 4.892 |
| Tacc2 | | | | 0.521 | 0.525 |
| Tbc1d30 | | | 7(1) C | 0.473 | 0.708 |
| Tbxas1 | Yes | Yes | | 1.320 | 3.251 |

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| Tcf7 | | | 8(1) | 0.979 | 3.481 |
| Tet1 | | | 6(2) | 2.255 | 3.740 |
| Tfrc | | | 7(1) | 0.790 | 0.358 |
| Tgtp2 | | | | 1.891 | 0.377 |
| Tmcc3 | Yes | Yes | | 1.872 | 2.142 |
| Tmem108 | | | | 0.786 | 0.364 |
| Tmem2 | Yes | Yes | | 0.990 | 4.163 |
| Tmem98 | | | | 2.019 | 11.662 |
| Tnf | | | | 0.647 | 0.186 |
| Tnfsf4[†] | Yes | Yes | | 0.669 | 3.648 |
| Tnfsf8 | | | | 0.984 | 3.150 |
| Tnfsf9 | | | | 2.014 | 3.602 |
| Tnip3 | | | 8(1) 8(1) 6(2) | 2.852 | 9.395 |
| Tor3a | | | | 1.328 | 0.582 |
| Tpi1 | | | | 1.254 | 0.393 |
| Trib3 | | | | 1.688 | 5.594 |
| Trim25 | Yes | Yes | | 1.252 | 0.543 |
| Trim30b | | | 7(2) | 1.697 | 0.479 |
| Trim30d | | | | 1.284 | 0.542 |
| Trim6 | | | | 1.838 | 3.886 |
| Tspan33 | | | | 5.957 | 10.063 |
| Ttc39c | | | | 1.464 | 4.964 |
| Tubb2b | Yes | Yes | | 2.039 | 5.119 |
| Tubb6 | | | | 2.208 | 0.968 |
| Txlnb | Yes | Yes | | 1.319 | 4.110 |
| Txnip | | | | 1.263 | 0.565 |
| Tyrobp (Dap12)[†] | Yes | Yes | | 2.254 | 7.882 |
| Ube2l6 | | | | 1.705 | 0.652 |
| Ugt1a1 | | | | 3.482 | 34.312 |
| Ugt1a10 | Yes | No | 6(2) | 4.080 | 40.318 |
| Ugt1a2 | | | | 4.080 | 40.451 |
| Ugt1a5 | | | | 4.208 | 41.619 |
| Ugt1a6b | | | | 4.375 | 41.470 |
| Ugt1a7c | | | | 4.786 | 40.852 |
| Ugt1a8 | | | | 4.080 | 40.201 |
| Ugt1a9 | | | | 4.080 | 40.201 |
| Unc119 | Yes | Yes | | 1.622 | 1.244 |
| Usp18 | Yes | Yes | | 1.823 | 0.324 |
| Vash1 | | | | 3.155 | 4.507 |
| Vegfa | | | | 1.773 | 3.028 |
| Vldlr | | | 6(2) | 2.165 | 13.255 |
| Wdfy1 | | | | 3.446 | 2.065 |
| Wdr67 | | | | 1.447 | 3.031 |
| Xaf1 | | | | 1.453 | 0.489 |
| Xkrx | | | | 3.516 | 1.518 |
| Zbp1 | | | | 1.518 | 0.622 |
| Zbtb38 | Yes | Yes | | 2.109 | 1.574 |
| Zfp516 | | | 6(2) | 1.371 | 2.802 |
| Zfp629 | | | | 1.826 | 4.583 |
| Zfp652 | | | 8(1) 7(2) C | 1.185 | 2.902 |
| Zfp811 | | | | 2.948 | 5.742 |
| Zfp831 | Yes | Yes | 7(1) C | 0.488 | 0.288 |
| 1110032F04Rik | | | | 1.923 | 0.361 |
| 1110034A24Rik | | | | 0.969 | 0.446 |
| 1500012F01Rik | | | | 1.412 | 0.676 |
| 2810407C02Rik | Yes | Yes | 7(2) 7(2) 7(1) C | 0.817 | 2.093 |
| 4930583H14Rik | | | | 1.525 | 0.119 |
| 5830405N20Rik | Yes | Yes | | 1.296 | 0.265 |
| 6430571L13Rik | | | 8(1) 7(2) | 1.348 | 5.213 |
| 8430427H17Rik | Yes | No | | 0.204 | 2.373 |

| | | | | | |
|---|---|---|---|---|---|
| A4galt | Yes | No | | 1.520 | 2.939 |
| A530032D15Rik | | | | 1.845 | 1.967 |
| A630033H20Rik | | | 8(2) | 1.906 | 2.129 |
| A630091E08Rik | Yes | Yes | | 0.447 | 0.023 |
| AA467197 | | | 6(2) | 1.689 | 5.050 |

[a]Presence of PU.1 ChIP peak.

[b]Overlap between peaks in PU.1 and the 155 sample.

[c]Target seed of miR-155 present. C means that the seed site is conserved.

[d]Expression ratio btween PU.1 and the WT sample (average of expression value calculated).

[e]Expression ratio between 155 and WT sample (average of expression value calculated).

[f]Genes with Known links to humoral immune response.

Table S2. Primers and FACS antibodies

| Gene | Forward | Reverse |
|---|---|---|
| AID | AAGACTTTGAGGGAGTCAAGAAAGT | AGATGTAGCGTAGGAACAACAATTC |
| β-Actin | CACTTATCACCAGCCTCATTAGCTT | CAATTGCCTTTCTGACTAGGTGTTT |
| Blimp1 | ACACAGGAGAGAAGCCACATGA | GGTGGGTCTTGAGATTGCTTGT |
| Card11 | GCTCTTGTGTATAGAGTGCCAA | CCACGTTATCCCATAGGGCCT |
| Ccr7 | AAAACGTGCTGGTGGTG | TGACCTCATCTTGGCAGAAG |
| Cd300lf | GCATGTTTCCAACGCTGACTAGCT | CTCACCATCCTCCAAGCAAAGAGC |
| Cxcr4 | TCAACCTCTACAGCAGCGTTCTCTT | TGTTGGTGGCGTGGACAAT |
| Dap12 | CGTACAGGCCCAGAGTGAC | CACCAAGTCACCCAGAACAA |
| Fcrl5 | GAGCATGCACGTGAACGTAGAGT | TTCTATGCCTTTCTTTGCGTAGC |
| HPRT | TGGACAGGACTGAAAGACTTG | CCAGCAGGTCAGCAAAGAACTTA |
| PU.1 | TACCAACGTCCAATGCATGACTAC | GAGTATCGAGGACGTGCATCTGTT |
| Pax5 | TTTAGAGAAAAATTACCCGACTCCT | CTGTCTCATAATACCTGCCAAGAA |
| Pax5 (ChIP) | TGTAAGGGGATCCTGGTTGA | AACTGGGAGGAACTGAAACCTAACC |
| Sema4b | AACAGCAACCTCAGCTTCTTGC | GGCCTCATCTTGGGCTAAAGTA |
| Sirpa | TCGTGGGATTGCTAACCTGTCT | ATCCTCGGGGTAGAACCTCTCA |
| Slamf1 | TAATCTTCATCCTGGTTTTCACGGC | TTGGGCATAAATAGTAAGGC |

| Epitope | Clone | Conjugate |
|---|---|---|
| B220 | RA3-6B2; | FITC; PerCP-Cy5.5; PE; PE-Cy7; APC; APCe780; PB |
| CD3 | 145-2C11 | FITC |
| CD4 | GK1.5 | PE-Cy7 |
| CD5 | 53-7.3 | APC |
| CD8 | 53-6.7 | APC; PerCP-Cy5.5 |
| CD19 | 6D5 | Pacific Blue; BV421 |
| CD21 | 7G6 | FITC |
| CD23 | B3B4 | PB; Biotin |
| CD25 | PC61 | APC-Cy7 |
| CD43 | S7 | FITC |
| CD93 | AA4.1 | APC |
| CD138 | 281-2 | Biotin; PE |
| cKit | ACK45 | PE |
| IgG1 | X56 | APC |
| IgM | R6-60.2 | PerCP-Cy5.5; APCe780 |
| Mac-1 | M1/70 | PerCP-Cy5.5; PE; Biotin |
| Gr-1 | RB6.8CS | APC |
| Pax5 | 1H9 | PE |