

S3 Table. Resistant up genes

| Gene information | | mRNA fold change | | H3K4me3 enrichment | | | H3K27me3 enrichment | | |
|------------------|---------------|------------------|------------|--------------------|-------|-------|---------------------|-------|-------|
| RefSeq gene | gene symbol | iPSCp/sFB-G | mESC/sFB-G | mESC | iPSCp | sFB-G | mESC | iPSCp | sFB-G |
| NM_025274 | Dppa5 | -0.288 | 8.542 | 422 | 10 | 11 | 10 | 55 | 27 |
| NM_011934 | Esrrb | -0.330 | 7.226 | 18927 | 1666 | 1943 | 11018 | 13562 | 6321 |
| NM_212457 | Bex4 | 0.625 | 6.867 | 325 | 14 | 36 | 10 | 85 | 163 |
| NM_026480 | 2410146L05Rik | -0.114 | 6.789 | 1161 | 21 | 164 | 48 | 230 | 639 |
| NM_013633 | Pou5f1 | 0.093 | 6.689 | 9556 | 49 | 95 | 199 | 784 | 330 |
| NM_001081202 | L1td1 | 0.217 | 6.418 | 7853 | 95 | 64 | 163 | 719 | 379 |
| NM_026323 | Wfdc2 | -0.040 | 6.388 | 776 | 179 | 517 | 303 | 937 | 1450 |
| NM_028602 | Tex19.1 | -0.006 | 6.344 | 1392 | 37 | 47 | 229 | 141 | 75 |
| NM_015798 | Fbxo15 | -0.345 | 6.100 | 6258 | 3897 | 3605 | 734 | 1826 | 2501 |
| NM_009434 | Phlda2 | 0.090 | 6.026 | 1938 | 166 | 398 | 429 | 186 | 540 |
| NM_139218 | Dppa3 | -0.022 | 5.918 | 1805 | 233 | 105 | 217 | 345 | 145 |
| NM_009903 | Cldn4 | -0.193 | 5.901 | 9656 | 65 | 77 | 123 | 200 | 159 |
| NM_016754 | Mylpf | 0.412 | 5.876 | 1053 | 75 | 201 | 45 | 109 | 29 |
| NM_001005423 | Mreg | 0.840 | 5.843 | 5963 | 1972 | 1934 | 1215 | 1970 | 4531 |
| NM_011107 | Pla2g1b | 0.125 | 5.837 | 381 | 10 | 103 | 237 | 338 | 107 |
| NM_010174 | Fabp3 | -0.540 | 5.820 | 6445 | 544 | 978 | 153 | 876 | 554 |
| NM_175503 | Aard | 0.095 | 5.774 | 2348 | 54 | 120 | 445 | 403 | 481 |
| NM_009335 | Tcfap2c | -0.093 | 5.706 | 8729 | 31 | 307 | 1320 | 607 | 3290 |
| NM_144953 | 1700019D03Rik | 0.034 | 5.552 | 4120 | 538 | 667 | 470 | 1082 | 2238 |
| NM_175303 | Sall4 | 0.103 | 5.524 | 9282 | 108 | 444 | 308 | 1503 | 3910 |
| NM_009426 | Trh | -0.165 | 5.417 | 964 | 32 | 65 | 574 | 1140 | 1077 |
| NM_022409 | Zfp296 | -0.123 | 5.300 | 4641 | 406 | 669 | 97 | 75 | 106 |
| NM_023894 | Rhox9 | 0.010 | 5.096 | 62 | 10 | 20 | 10 | 10 | 10 |
| NM_018815 | Nup210 | 0.954 | 5.004 | 4143 | 2732 | 1799 | 2894 | 19779 | 8416 |
| NM_016968 | Olig1 | 0.317 | 4.979 | 6065 | 179 | 170 | 253 | 1104 | 1566 |

| | | | | | | | | | |
|--------------|---------------|--------|-------|-------|------|------|------|-------|-------|
| NM_008342 | Igfbp2 | -0.209 | 4.976 | 4122 | 479 | 689 | 1102 | 3871 | 3379 |
| NM_009482 | Utf1 | -0.107 | 4.914 | 6972 | 31 | 239 | 182 | 565 | 1069 |
| NM_008698 | Nipsnap1 | 0.246 | 4.834 | 2836 | 600 | 911 | 710 | 1731 | 1855 |
| NM_145438 | Llgl2 | -0.920 | 4.797 | 4916 | 985 | 3220 | 1589 | 2655 | 995 |
| NM_175332 | E130012A19Rik | 0.121 | 4.694 | 5889 | 517 | 1491 | 301 | 729 | 1709 |
| NM_010346 | Grb7 | -0.114 | 4.579 | 1034 | 109 | 142 | 575 | 1936 | 1672 |
| NM_018777 | Cldn6 | -0.093 | 4.540 | 1303 | 148 | 78 | 634 | 851 | 1314 |
| NM_009575 | Zic3 | 0.055 | 4.513 | 7267 | 471 | 230 | 127 | 630 | 1704 |
| NM_027941 | Lrrc34 | 0.168 | 4.398 | 856 | 92 | 109 | 424 | 606 | 557 |
| NM_013721 | Rpl7a | 0.110 | 4.395 | 8648 | 5784 | 6540 | 71 | 91 | 49 |
| NM_013873 | Sult4a1 | -0.374 | 4.363 | 3431 | 337 | 622 | 1656 | 1976 | 2812 |
| NM_011987 | Pla2g10 | -0.057 | 4.340 | 448 | 60 | 126 | 319 | 1115 | 937 |
| NM_212483 | Krt42 | 0.007 | 4.318 | 286 | 147 | 118 | 677 | 448 | 392 |
| NM_008652 | Mybl2 | 0.356 | 4.209 | 15311 | 1946 | 2416 | 654 | 451 | 423 |
| NM_019448 | Dnmt3l | -1.428 | 4.189 | 3018 | 171 | 693 | 322 | 1145 | 503 |
| NM_175329 | Chchd10 | -2.545 | 4.188 | 4062 | 57 | 511 | 146 | 148 | 80 |
| NM_198412 | Dnajc6 | 0.192 | 4.126 | 1022 | 767 | 485 | 2290 | 3702 | 3435 |
| NM_021480 | Tdh | -0.010 | 4.106 | 6449 | 184 | 184 | 461 | 1986 | 2662 |
| NM_133982 | Rpp25 | -0.598 | 4.082 | 3673 | 361 | 692 | 126 | 517 | 723 |
| NM_013914 | Snai3 | -0.106 | 4.081 | 1494 | 41 | 197 | 374 | 944 | 1247 |
| NM_029821 | 1190003J15Rik | 0.075 | 4.045 | 985 | 10 | 28 | 168 | 164 | 51 |
| NM_001033425 | Zscan10 | -0.188 | 3.994 | 3748 | 263 | 218 | 313 | 1675 | 587 |
| NM_025285 | Stmn2 | 0.919 | 3.961 | 2621 | 488 | 614 | 1141 | 1941 | 1473 |
| NM_011443 | Sox2 | 0.803 | 3.956 | 10885 | 5892 | 122 | 170 | 386 | 1172 |
| NM_011861 | Pacsin1 | 0.002 | 3.939 | 3367 | 1003 | 1324 | 3865 | 10630 | 5409 |
| NM_153577 | AI428936 | 0.126 | 3.928 | 1389 | 51 | 33 | 91 | 121 | 46 |
| NM_011618 | Tnnt1 | 0.124 | 3.927 | 271 | 80 | 57 | 441 | 698 | 161 |
| NM_181548 | Eras | 0.043 | 3.920 | 1787 | 45 | 11 | 189 | 325 | 518 |
| NM_016697 | Gpc3 | -0.240 | 3.910 | 2809 | 1564 | 1679 | 5439 | 7599 | 11767 |

| | | | | | | | | | |
|-----------|---------|--------|-------|-------|------|------|------|-------|-------|
| NM_080575 | Acss1 | 0.732 | 3.841 | 2971 | 803 | 1538 | 2124 | 2023 | 2545 |
| NM_178922 | Hic2 | 0.154 | 3.708 | 7473 | 4188 | 4928 | 582 | 945 | 668 |
| NM_009328 | Tcf15 | -0.002 | 3.706 | 3481 | 39 | 413 | 891 | 707 | 2239 |
| NM_021391 | Ppp1r1a | 0.145 | 3.683 | 2996 | 294 | 596 | 600 | 1905 | 1819 |
| NM_026631 | Nola2 | 0.202 | 3.681 | 4593 | 3099 | 3069 | 91 | 100 | 115 |
| NM_144841 | Otx2 | -0.104 | 3.667 | 1940 | 100 | 62 | 1703 | 1308 | 1942 |
| NM_009556 | Zfp42 | 0.212 | 3.632 | 2478 | 83 | 30 | 116 | 282 | 175 |
| NM_010202 | Fgf4 | 0.045 | 3.612 | 10109 | 49 | 53 | 115 | 2050 | 1512 |
| NM_015782 | Snrpa | 0.365 | 3.592 | 3867 | 3563 | 2280 | 183 | 288 | 89 |
| NM_028060 | Slc35f2 | 0.085 | 3.585 | 4551 | 167 | 773 | 875 | 2149 | 1939 |
| NM_011677 | Ung | 0.297 | 3.574 | 5314 | 2111 | 1740 | 286 | 165 | 89 |
| NM_178254 | Tcf5 | -0.236 | 3.552 | 3848 | 110 | 239 | 696 | 1367 | 2549 |
| NM_177776 | Smtnl2 | -0.003 | 3.537 | 4602 | 521 | 1166 | 1533 | 2857 | 3666 |
| NM_172670 | Gyltl1b | 0.006 | 3.537 | 2449 | 14 | 225 | 256 | 470 | 315 |
| NM_009337 | Tcl1 | 0.055 | 3.530 | 1105 | 77 | 22 | 307 | 249 | 136 |
| NM_028913 | Zfp819 | -0.158 | 3.512 | 2263 | 17 | 188 | 222 | 800 | 361 |
| NM_030677 | Gpx2 | 0.126 | 3.490 | 180 | 32 | 23 | 242 | 310 | 122 |
| NM_010357 | Gsta4 | -0.319 | 3.487 | 1346 | 308 | 507 | 233 | 644 | 637 |
| NM_027366 | Ly6g6e | -0.053 | 3.472 | 710 | 148 | 223 | 149 | 488 | 354 |
| NM_013659 | Sema4b | 0.777 | 3.437 | 9975 | 5398 | 4280 | 878 | 997 | 614 |
| NM_153547 | Gnl3 | -0.158 | 3.422 | 4939 | 5150 | 4394 | 89 | 155 | 173 |
| NM_008635 | Mtap7 | -0.003 | 3.397 | 5975 | 1947 | 2597 | 4037 | 10082 | 10593 |
| NM_145222 | B3gnt7 | 0.186 | 3.344 | 6319 | 79 | 527 | 175 | 1090 | 1384 |
| NM_176834 | Rnf208 | 0.009 | 3.340 | 1217 | 19 | 262 | 212 | 290 | 847 |
| NM_013474 | Apoa2 | -0.052 | 3.320 | 10 | 11 | 20 | 122 | 73 | 48 |
| NM_144819 | Ccdc92 | 0.934 | 3.317 | 5359 | 3445 | 3050 | 633 | 1911 | 1607 |
| NM_008955 | Rhox6 | -0.115 | 3.316 | 121 | 31 | 17 | 195 | 85 | 20 |
| NM_009864 | Cdh1 | -0.093 | 3.308 | 8166 | 723 | 1471 | 1441 | 4222 | 7319 |
| NM_009944 | Cox7a1 | 0.802 | 3.299 | 144 | 233 | 112 | 106 | 94 | 55 |

| | | | | | | | | | |
|--------------|----------|--------|-------|-------|------|------|------|-------|------|
| NM_009749 | Bex2 | 0.585 | 3.266 | 401 | 237 | 149 | 47 | 75 | 179 |
| NM_028715 | Fcho1 | -0.062 | 3.250 | 1691 | 98 | 453 | 1634 | 1364 | 1765 |
| NM_013611 | Nodal | 0.048 | 3.247 | 7291 | 88 | 256 | 149 | 1951 | 1932 |
| NM_011300 | Rps7 | 0.369 | 3.246 | 6115 | 4775 | 2544 | 121 | 173 | 91 |
| NM_016889 | Insm1 | 0.134 | 3.245 | 5253 | 352 | 628 | 1447 | 1518 | 2434 |
| NM_022004 | Fxyd6 | -2.319 | 3.245 | 1343 | 196 | 835 | 1514 | 1478 | 1575 |
| NM_001033865 | Rps27a | 0.506 | 3.241 | 5729 | 4924 | 4250 | 110 | 58 | 31 |
| NM_016689 | Aqp3 | 0.008 | 3.223 | 2086 | 124 | 185 | 999 | 721 | 469 |
| NM_011600 | Tle4 | 0.900 | 3.218 | 6266 | 4845 | 3686 | 2786 | 4588 | 5091 |
| NM_008506 | Mycl1 | 0.795 | 3.206 | 4278 | 1627 | 1372 | 727 | 801 | 746 |
| NM_019547 | Rbm38 | 0.669 | 3.179 | 4310 | 2527 | 2527 | 512 | 410 | 353 |
| NM_010071 | Dok2 | 0.201 | 3.168 | 797 | 32 | 54 | 548 | 163 | 201 |
| NM_007905 | Phc1 | 0.397 | 3.148 | 2775 | 346 | 165 | 386 | 437 | 456 |
| NM_008452 | Klf2 | -0.750 | 3.143 | 12638 | 2797 | 4893 | 133 | 240 | 33 |
| NM_010311 | Gnaz | 0.237 | 3.134 | 3214 | 1131 | 1751 | 3795 | 4028 | 3221 |
| NM_010663 | Krt17 | -0.035 | 3.115 | 307 | 72 | 83 | 478 | 232 | 283 |
| NM_009171 | Shmt1 | 0.696 | 3.109 | 2345 | 1492 | 904 | 648 | 610 | 614 |
| NM_009528 | Wnt7b | 0.057 | 3.103 | 6906 | 991 | 1481 | 8738 | 9093 | 6355 |
| NM_023137 | Ubd | 0.109 | 3.101 | 157 | 86 | 12 | 84 | 90 | 259 |
| NM_008860 | Prkcz | -0.335 | 3.050 | 5765 | 1577 | 1998 | 3749 | 11787 | 4213 |
| NM_031386 | Tex14 | -0.039 | 3.041 | 3875 | 2646 | 2125 | 3857 | 8055 | 5981 |
| NM_019689 | Arid3b | 0.027 | 3.040 | 733 | 242 | 463 | 1150 | 1662 | 1950 |
| NM_146177 | Suv420h2 | 0.209 | 3.032 | 1924 | 2430 | 1897 | 221 | 340 | 83 |
| NM_026115 | Hat1 | 0.993 | 3.007 | 4228 | 2011 | 3235 | 924 | 852 | 1119 |
| NM_033608 | Igsf9 | 0.587 | 3.001 | 1268 | 606 | 848 | 1216 | 1081 | 1650 |
| NM_007431 | Akp2 | -0.081 | 2.995 | 3536 | 588 | 452 | 1533 | 6727 | 1946 |
| NM_010900 | Nfatc2ip | 0.585 | 2.963 | 4571 | 2502 | 2344 | 240 | 275 | 135 |
| NM_031170 | Krt8 | 0.014 | 2.962 | 405 | 135 | 155 | 890 | 1325 | 783 |
| NM_011328 | Sct | -0.126 | 2.958 | 888 | 32 | 146 | 198 | 476 | 157 |

| | | | | | | | | | |
|--------------|---------------|--------|-------|-------|-------|------|------|------|------|
| NM_010264 | Nr6a1 | 0.135 | 2.957 | 5368 | 7966 | 8578 | 4974 | 3737 | 4889 |
| NM_025554 | Polr2e | 0.199 | 2.956 | 3536 | 3539 | 3176 | 167 | 239 | 104 |
| NM_153404 | Liph | 0.253 | 2.939 | 836 | 599 | 755 | 971 | 1485 | 1056 |
| NM_019535 | Sh3gl2 | 0.051 | 2.921 | 7453 | 1197 | 1342 | 4808 | 7260 | 6801 |
| NM_001080969 | Thg1l | 0.329 | 2.918 | 1636 | 829 | 1282 | 252 | 126 | 330 |
| NM_177742 | Triml1 | 0.198 | 2.913 | 55 | 66 | 39 | 93 | 160 | 184 |
| NM_028083 | Chaf1b | 0.986 | 2.909 | 3525 | 1811 | 3302 | 427 | 715 | 260 |
| NM_009446 | Tuba3a | 0.052 | 2.902 | 119 | 66 | 90 | 769 | 926 | 215 |
| NM_011289 | Rpl27 | -0.036 | 2.899 | 6319 | 4126 | 3378 | 153 | 38 | 67 |
| NM_146257 | Slc29a4 | -0.235 | 2.893 | 3266 | 187 | 651 | 1624 | 2275 | 1970 |
| NM_145464 | Sox21 | 0.025 | 2.887 | 6830 | 288 | 658 | 1167 | 358 | 1641 |
| NM_172963 | 1110012J17Rik | 0.669 | 2.874 | 11636 | 4846 | 5849 | 3561 | 6206 | 4500 |
| NR_003634 | Rps4y2 | -2.835 | 2.872 | 4059 | 235 | 1048 | 65 | 36 | 62 |
| NM_016964 | Stag3 | -0.294 | 2.862 | 984 | 612 | 1070 | 1199 | 1873 | 1537 |
| NM_029186 | Tmem180 | 0.020 | 2.861 | 1505 | 330 | 1002 | 552 | 777 | 427 |
| NM_020002 | Rec8 | -0.137 | 2.849 | 214 | 64 | 85 | 350 | 423 | 353 |
| NM_177261 | Kndc1 | 0.183 | 2.842 | 2264 | 518 | 460 | 3734 | 4252 | 3988 |
| NM_144811 | Cbx7 | -0.069 | 2.820 | 4322 | 2121 | 2042 | 411 | 583 | 776 |
| NM_021501 | Pias4 | 0.258 | 2.818 | 2840 | 5983 | 3889 | 388 | 532 | 224 |
| NM_011461 | Spic | -0.087 | 2.792 | 101 | 68 | 48 | 319 | 558 | 518 |
| NM_025290 | Rsph1 | -1.013 | 2.791 | 1083 | 552 | 1098 | 553 | 2981 | 1258 |
| NM_016672 | Ddc | -0.766 | 2.790 | 1295 | 644 | 764 | 3434 | 3264 | 3572 |
| NM_175342 | Cphx | 0.052 | 2.763 | 10 | 10 | 10 | 10 | 10 | 10 |
| NM_010139 | Epha2 | 0.775 | 2.755 | 9057 | 4561 | 5042 | 775 | 711 | 415 |
| NM_175433 | Zfp710 | 0.741 | 2.743 | 6592 | 6118 | 4038 | 1351 | 1344 | 646 |
| NM_173370 | Cds1 | 0.097 | 2.742 | 3421 | 1493 | 1217 | 2548 | 6216 | 2405 |
| NM_021356 | Gab1 | 0.526 | 2.739 | 10158 | 10081 | 9817 | 3058 | 2245 | 2211 |
| NM_019812 | Sirt1 | 0.479 | 2.723 | 5062 | 3810 | 3373 | 499 | 426 | 577 |
| NM_009366 | Tsc22d1 | 0.422 | 2.712 | 7220 | 6235 | 5216 | 211 | 133 | 107 |

| | | | | | | | | | |
|--------------|-----------|--------|-------|-------|-------|------|------|-------|------|
| NM_001080945 | Nanogpd | -0.032 | 2.699 | 6773 | 78 | 38 | 127 | 376 | 214 |
| NM_194055 | Rbm35a | 0.021 | 2.692 | 3931 | 439 | 484 | 2176 | 5354 | 4152 |
| NM_026967 | Rhebl1 | 0.668 | 2.690 | 2665 | 2293 | 2477 | 128 | 305 | 87 |
| NM_010830 | Msh6 | 0.584 | 2.687 | 6433 | 4210 | 4424 | 382 | 485 | 418 |
| NM_009224 | Snrp70 | 0.670 | 2.663 | 3907 | 4232 | 2726 | 317 | 256 | 255 |
| NM_012054 | Aoah | 0.107 | 2.659 | 1158 | 1393 | 1549 | 7103 | 6692 | 9018 |
| NM_011898 | Spry4 | 0.123 | 2.643 | 10659 | 5835 | 5826 | 971 | 416 | 750 |
| NM_148942 | Serpinb6c | -0.160 | 2.639 | 286 | 140 | 156 | 392 | 1019 | 637 |
| NM_009173 | Siah1b | 0.860 | 2.634 | 2178 | 1278 | 1663 | 56 | 10 | 37 |
| NM_009897 | Ckmt1 | -0.643 | 2.624 | 658 | 58 | 185 | 386 | 1529 | 1614 |
| NM_011597 | Tjp2 | 0.588 | 2.623 | 9162 | 5624 | 4975 | 2764 | 4137 | 3796 |
| NM_144898 | Msto1 | 0.546 | 2.622 | 4096 | 3200 | 2582 | 131 | 132 | 63 |
| NM_178394 | Jakmip1 | -0.002 | 2.621 | 2564 | 606 | 554 | 3636 | 4852 | 3398 |
| NM_008568 | Mcm7 | 0.641 | 2.619 | 7046 | 4933 | 4800 | 191 | 140 | 103 |
| NM_001033954 | Calca | 0.352 | 2.617 | 528 | 324 | 103 | 512 | 319 | 571 |
| NM_175934 | Ppp1r10 | 0.852 | 2.611 | 4483 | 10255 | 4119 | 435 | 595 | 380 |
| NM_001077705 | Ptpn6 | 0.804 | 2.610 | 632 | 499 | 515 | 619 | 1134 | 531 |
| NM_007633 | Ccne1 | 0.240 | 2.604 | 3875 | 3213 | 2752 | 276 | 174 | 94 |
| NM_144800 | Mtss1 | -0.463 | 2.596 | 8655 | 2592 | 6857 | 4006 | 12789 | 3899 |
| NM_145833 | Lin28 | -0.045 | 2.591 | 4688 | 206 | 97 | 353 | 3700 | 1784 |
| NM_145973 | Ell3 | -0.149 | 2.589 | 1622 | 151 | 460 | 134 | 277 | 140 |
| NM_138586 | Exosc5 | 0.381 | 2.589 | 3298 | 2732 | 1696 | 291 | 255 | 88 |
| NM_013872 | Pmm1 | -0.534 | 2.588 | 7625 | 3408 | 3947 | 366 | 174 | 233 |
| NM_030246 | Wdr21 | -0.310 | 2.584 | 289 | 111 | 75 | 286 | 279 | 258 |
| NM_007658 | Cdc25a | 0.351 | 2.584 | 5332 | 4386 | 4793 | 265 | 242 | 367 |
| NM_170669 | Rps15a | 0.462 | 2.582 | 7230 | 6619 | 3408 | 111 | 192 | 122 |
| NM_010664 | Krt18 | -0.089 | 2.577 | 618 | 64 | 144 | 1004 | 1137 | 667 |
| NM_178734 | Zfp473 | 0.028 | 2.573 | 2894 | 2492 | 1763 | 245 | 273 | 186 |
| NM_001004154 | Rragb | 0.316 | 2.551 | 1595 | 614 | 522 | 534 | 796 | 840 |

| | | | | | | | | | |
|--------------|---------------|--------|-------|------|------|------|------|-------|-------|
| NM_173383 | Dnd1 | -0.106 | 2.543 | 1806 | 30 | 26 | 225 | 30 | 65 |
| NM_027470 | Pak4 | 0.527 | 2.541 | 2775 | 2385 | 2249 | 881 | 818 | 480 |
| NM_023794 | Etv5 | 0.643 | 2.539 | 6646 | 3447 | 4100 | 1159 | 1534 | 1180 |
| NM_011284 | Rpa2 | 0.693 | 2.520 | 3730 | 3198 | 1975 | 163 | 138 | 101 |
| NM_144912 | Rad9b | 0.121 | 2.497 | 3804 | 3688 | 2340 | 761 | 540 | 434 |
| NM_008563 | Mcm3 | 0.620 | 2.483 | 1495 | 2101 | 1878 | 365 | 380 | 477 |
| NM_008430 | Kcnk1 | -0.156 | 2.476 | 3066 | 302 | 388 | 2001 | 1990 | 1719 |
| NM_138745 | Mthfd1 | 0.616 | 2.474 | 5650 | 2968 | 3235 | 1139 | 1421 | 804 |
| NM_013882 | Gtse1 | 0.724 | 2.468 | 5678 | 3964 | 4380 | 362 | 377 | 386 |
| NM_175126 | Zcchc3 | -0.009 | 2.461 | 4486 | 2423 | 3721 | 134 | 162 | 204 |
| NM_001002272 | Tro | 0.461 | 2.454 | 957 | 540 | 240 | 171 | 515 | 353 |
| NM_175655 | Hist1h4f | 0.013 | 2.450 | 343 | 243 | 320 | 10 | 71 | 21 |
| NM_175482 | Usp28 | 0.258 | 2.449 | 4003 | 3418 | 3611 | 837 | 992 | 1218 |
| NM_007634 | Ccnf | 0.907 | 2.448 | 4946 | 5903 | 3635 | 592 | 902 | 549 |
| NM_021453 | Pga5 | 0.029 | 2.448 | 251 | 82 | 42 | 615 | 1013 | 448 |
| NM_013636 | Ppp1cc | 0.104 | 2.441 | 3738 | 5265 | 3067 | 269 | 522 | 181 |
| NM_026410 | Cdca5 | 0.691 | 2.440 | 3748 | 3692 | 3681 | 169 | 164 | 142 |
| NM_007974 | F2rl1 | 0.693 | 2.438 | 5431 | 1495 | 1336 | 382 | 815 | 552 |
| NM_009721 | Atp1b1 | -1.373 | 2.438 | 6289 | 633 | 1723 | 648 | 830 | 2107 |
| NM_178381 | Tmem16j | -0.016 | 2.436 | 770 | 148 | 89 | 482 | 1633 | 764 |
| NM_021517 | Pdzk1 | -0.005 | 2.425 | 229 | 233 | 193 | 1020 | 1836 | 670 |
| NM_027491 | Rragd | 0.375 | 2.408 | 3666 | 2144 | 1661 | 1336 | 2113 | 2854 |
| NM_008014 | Ppm1g | 0.852 | 2.398 | 8213 | 6265 | 4178 | 409 | 431 | 214 |
| NM_029017 | Mrpl47 | 0.790 | 2.380 | 6231 | 4474 | 4042 | 178 | 321 | 100 |
| NM_134011 | Tbrg4 | 0.971 | 2.375 | 8129 | 5475 | 5248 | 320 | 264 | 352 |
| NM_028334 | Nup37 | 0.568 | 2.374 | 3419 | 7011 | 4625 | 667 | 951 | 823 |
| NM_025856 | 1700029G01Rik | 0.084 | 2.374 | 1949 | 226 | 379 | 342 | 245 | 141 |
| NM_026496 | Grhl2 | 0.015 | 2.370 | 4477 | 1468 | 1296 | 6945 | 10673 | 11329 |
| NM_011950 | Mapk13 | -0.534 | 2.363 | 2087 | 345 | 816 | 821 | 1820 | 1231 |

| | | | | | | | | | |
|--------------|---------------|--------|-------|-------|------|------|------|------|------|
| NM_010914 | Nfyb | 0.524 | 2.361 | 2512 | 4911 | 3159 | 248 | 544 | 377 |
| NM_009574 | Zic2 | 0.064 | 2.359 | 9176 | 218 | 2578 | 2282 | 2108 | 2516 |
| NM_144855 | Cbs | -0.218 | 2.352 | 3841 | 655 | 1565 | 1543 | 4186 | 1491 |
| NM_018761 | Ctnnal1 | -1.988 | 2.351 | 6132 | 2029 | 3198 | 1040 | 4576 | 886 |
| NM_009579 | Slc30a1 | 0.159 | 2.348 | 7199 | 4113 | 6312 | 459 | 217 | 244 |
| NM_009226 | Snrpd1 | 0.249 | 2.347 | 2961 | 2720 | 2981 | 228 | 213 | 370 |
| NM_177857 | A930010I20Rik | 0.080 | 2.341 | 962 | 272 | 412 | 775 | 838 | 392 |
| NM_026506 | Snrpg | 0.484 | 2.339 | 3783 | 3406 | 3027 | 158 | 143 | 132 |
| NM_007907 | Eef2 | -0.254 | 2.335 | 11747 | 8868 | 8447 | 1717 | 1193 | 620 |
| NM_011535 | Tbx3 | 0.042 | 2.333 | 14656 | 4311 | 5628 | 2572 | 192 | 471 |
| NM_001081458 | Ppp2r5c | 0.690 | 2.324 | 3886 | 3541 | 3017 | 1749 | 2104 | 1038 |
| NM_028455 | Arhgap8 | -0.069 | 2.324 | 1707 | 651 | 929 | 2278 | 3738 | 2485 |
| NM_153287 | Axud1 | -0.501 | 2.323 | 6470 | 5096 | 9107 | 300 | 346 | 138 |
| NM_178017 | Hmgb2l1 | 0.141 | 2.312 | 2963 | 1847 | 2315 | 621 | 695 | 712 |
| NM_029948 | Pramef12 | -0.086 | 2.293 | 500 | 115 | 149 | 266 | 326 | 159 |
| NM_007959 | Etsrp71 | -0.089 | 2.292 | 244 | 36 | 37 | 383 | 1718 | 1268 |
| NM_021329 | Rangrf | 0.039 | 2.292 | 494 | 329 | 556 | 70 | 107 | 76 |
| NM_013753 | X99384 | -0.219 | 2.288 | 5948 | 2933 | 4541 | 2024 | 1589 | 1547 |
| NM_009657 | Aldoc | -1.013 | 2.286 | 229 | 93 | 105 | 171 | 10 | 101 |
| NM_007607 | Car4 | -0.025 | 2.284 | 1398 | 106 | 194 | 1510 | 1814 | 1603 |
| NM_019563 | Cited4 | 0.153 | 2.274 | 2733 | 280 | 604 | 273 | 733 | 376 |
| NM_028028 | Zswim1 | -0.196 | 2.274 | 4508 | 1764 | 1589 | 167 | 121 | 106 |
| NM_021897 | Trp53inp1 | -0.443 | 2.271 | 4511 | 4798 | 3108 | 364 | 386 | 283 |
| NM_023663 | Ripk4 | 0.113 | 2.270 | 2499 | 246 | 364 | 1846 | 1731 | 2106 |
| NM_133686 | Qprt | -0.008 | 2.265 | 614 | 194 | 283 | 633 | 1735 | 302 |
| NM_008817 | Peg3 | 0.895 | 2.259 | 5097 | 1478 | 854 | 646 | 683 | 400 |
| NM_173737 | 8430410A17Rik | 0.484 | 2.253 | 4355 | 4791 | 4119 | 337 | 1014 | 515 |
| NM_013768 | Prmt5 | 0.440 | 2.252 | 2623 | 1939 | 1902 | 285 | 219 | 229 |
| NM_010693 | Lck | 0.515 | 2.252 | 1580 | 1491 | 641 | 225 | 456 | 241 |

| | | | | | | | | | |
|--------------|----------|--------|-------|-------|-------|------|------|-------|-------|
| NM_133754 | Fblim1 | 0.195 | 2.245 | 4854 | 2484 | 3145 | 828 | 566 | 175 |
| NM_001033264 | Gls2 | 0.294 | 2.244 | 4773 | 2975 | 2679 | 679 | 711 | 760 |
| NM_009413 | Tpd52l1 | 0.068 | 2.243 | 3017 | 1199 | 2450 | 2747 | 3429 | 4197 |
| NM_009483 | Utx | 0.498 | 2.229 | 4752 | 4572 | 5092 | 875 | 1417 | 1661 |
| NM_013716 | G3bp1 | 0.208 | 2.220 | 7775 | 5373 | 6206 | 903 | 681 | 890 |
| NM_009469 | Ulk1 | 0.234 | 2.204 | 8999 | 4110 | 3908 | 828 | 769 | 257 |
| NM_007958 | Smarcad1 | 0.608 | 2.203 | 4920 | 5433 | 4093 | 811 | 1594 | 1324 |
| NM_028385 | Setd5 | 0.549 | 2.201 | 6509 | 12704 | 7201 | 974 | 2249 | 1739 |
| NM_145478 | Pim3 | 0.198 | 2.194 | 10280 | 7202 | 8753 | 287 | 308 | 123 |
| NM_022655 | Ireb2 | 0.581 | 2.193 | 3633 | 4438 | 4545 | 645 | 771 | 1242 |
| NM_054052 | B3gnt5 | 0.845 | 2.190 | 1731 | 316 | 476 | 473 | 660 | 1820 |
| NM_022316 | Smoc1 | -0.855 | 2.187 | 3705 | 1413 | 1440 | 5698 | 10858 | 4928 |
| NM_019489 | Ppie | 0.635 | 2.185 | 2945 | 2373 | 1406 | 319 | 316 | 196 |
| NM_027263 | Apitd1 | 0.844 | 2.183 | 2747 | 1229 | 1292 | 252 | 108 | 99 |
| NM_010413 | Hdac6 | 0.410 | 2.174 | 1439 | 846 | 1553 | 248 | 267 | 210 |
| NM_138597 | Atp5o | 0.307 | 2.174 | 3604 | 3074 | 3488 | 135 | 259 | 148 |
| NM_001018087 | Ldoc1 | 0.083 | 2.169 | 390 | 12 | 26 | 147 | 50 | 66 |
| NM_019984 | Tgm1 | -0.033 | 2.165 | 1044 | 130 | 364 | 838 | 608 | 666 |
| NM_015731 | Atp9a | 0.005 | 2.162 | 5306 | 828 | 1466 | 3382 | 5145 | 3515 |
| NM_144907 | Sesn2 | 0.728 | 2.153 | 7741 | 7675 | 4547 | 256 | 193 | 185 |
| NM_201364 | BC055324 | 0.735 | 2.152 | 3828 | 3215 | 3844 | 601 | 827 | 1156 |
| NM_009235 | Sox15 | -0.053 | 2.151 | 3527 | 43 | 136 | 54 | 48 | 59 |
| NM_028064 | Slc39a4 | -1.365 | 2.150 | 1023 | 109 | 515 | 313 | 790 | 154 |
| NM_172303 | Phf17 | 0.353 | 2.145 | 5904 | 5832 | 4208 | 1080 | 1205 | 478 |
| NM_029341 | Capsl | -0.021 | 2.139 | 266 | 298 | 128 | 521 | 1485 | 1766 |
| NM_198645 | Ccdc58 | 0.447 | 2.138 | 5565 | 4615 | 4933 | 573 | 523 | 560 |
| NM_020271 | Pdpx | 0.384 | 2.137 | 2911 | 946 | 747 | 294 | 430 | 334 |
| NM_001003918 | Usp7 | 0.258 | 2.132 | 5647 | 4313 | 5797 | 872 | 984 | 1216 |
| NM_011436 | Sorl1 | -0.144 | 2.130 | 4148 | 1200 | 2437 | 5111 | 10390 | 15989 |

| | | | | | | | | | |
|--------------|---------------|--------|-------|-------|------|------|------|-------|------|
| NM_177640 | D030056L22Rik | 0.710 | 2.125 | 4237 | 3019 | 3422 | 108 | 178 | 89 |
| NM_025918 | Ccdc43 | 0.978 | 2.124 | 4869 | 2845 | 3391 | 373 | 283 | 433 |
| NM_013932 | Ddx25 | -0.748 | 2.123 | 1415 | 1187 | 1818 | 1805 | 2075 | 1863 |
| NM_021463 | Prps1 | 0.871 | 2.108 | 2846 | 1911 | 2452 | 183 | 356 | 224 |
| NM_146201 | Zfp553 | 0.177 | 2.103 | 9944 | 4163 | 3307 | 136 | 104 | 41 |
| NM_146100 | Ina | -0.038 | 2.102 | 5699 | 227 | 743 | 1267 | 1813 | 2900 |
| NM_001081413 | Unc13b | 0.462 | 2.098 | 3739 | 2150 | 2008 | 6411 | 10631 | 7489 |
| NM_031165 | Hspa8 | -0.739 | 2.098 | 5933 | 3590 | 4478 | 169 | 121 | 20 |
| NM_182995 | 6330503K22Rik | 0.818 | 2.097 | 2717 | 1791 | 1897 | 517 | 277 | 272 |
| NM_029045 | 4930432K21Rik | 0.397 | 2.097 | 1680 | 2933 | 3775 | 877 | 595 | 1260 |
| NM_010193 | Fem1b | 0.777 | 2.097 | 9515 | 7378 | 7950 | 255 | 548 | 471 |
| NM_173382 | 2810046L04Rik | 0.976 | 2.094 | 3829 | 5098 | 3412 | 543 | 456 | 133 |
| NM_134097 | Topors | 0.846 | 2.092 | 9426 | 7285 | 5229 | 200 | 227 | 209 |
| NM_007415 | Parp1 | 0.451 | 2.088 | 3753 | 2561 | 4018 | 808 | 733 | 671 |
| NM_001033408 | Gm817 | -0.055 | 2.087 | 492 | 95 | 181 | 768 | 1614 | 2265 |
| NM_023331 | Mrpl46 | 0.515 | 2.087 | 4836 | 3694 | 2676 | 160 | 193 | 96 |
| NM_011588 | Trim28 | 0.924 | 2.086 | 8149 | 5593 | 4285 | 306 | 182 | 110 |
| NM_026091 | 1700037H04Rik | -0.012 | 2.084 | 1892 | 3601 | 4146 | 484 | 172 | 299 |
| NM_008009 | Fgfbp1 | -0.097 | 2.084 | 61 | 27 | 14 | 180 | 194 | 120 |
| NM_027521 | Hmha1 | 0.502 | 2.076 | 742 | 326 | 342 | 671 | 714 | 327 |
| NM_175287 | A430005L14Rik | 0.460 | 2.073 | 3058 | 2747 | 2071 | 119 | 291 | 25 |
| NM_015818 | Hs6st1 | 0.200 | 2.068 | 14807 | 4243 | 5261 | 1140 | 875 | 773 |
| NM_024428 | Dpy30 | 0.637 | 2.066 | 4959 | 4850 | 4247 | 509 | 817 | 587 |
| NM_053261 | Impa2 | -0.341 | 2.065 | 7258 | 3271 | 4288 | 809 | 813 | 716 |
| NM_138595 | Gldc | -4.041 | 2.063 | 3884 | 1043 | 2583 | 1525 | 8019 | 2891 |
| NM_009678 | Ap1m2 | -0.049 | 2.061 | 1615 | 128 | 112 | 575 | 902 | 790 |
| NM_025641 | Uqcrh | 0.208 | 2.057 | 3759 | 5395 | 3448 | 150 | 168 | 112 |
| NM_027106 | Avpi1 | 0.326 | 2.057 | 4355 | 2898 | 3277 | 272 | 127 | 136 |
| NM_133692 | Pold3 | 0.873 | 2.057 | 2863 | 3049 | 2165 | 603 | 865 | 416 |

| | | | | | | | | | |
|--------------|---------------|--------|-------|------|------|------|------|------|------|
| NM_026391 | Ppp2r2d | 0.720 | 2.054 | 6839 | 4636 | 4207 | 558 | 594 | 492 |
| NM_008504 | Gzmm | 0.452 | 2.048 | 106 | 86 | 81 | 267 | 87 | 125 |
| NM_146083 | Sfrs7 | 0.692 | 2.046 | 7044 | 6732 | 5818 | 161 | 352 | 212 |
| NM_009471 | Umps | 0.277 | 2.046 | 3776 | 3155 | 3578 | 348 | 181 | 445 |
| NM_029747 | 2410137M14Rik | -0.022 | 2.042 | 680 | 101 | 93 | 124 | 1234 | 634 |
| NM_010043 | Des | 0.115 | 2.029 | 1321 | 362 | 233 | 859 | 527 | 1377 |
| NM_025394 | Tomm7 | 0.322 | 2.024 | 1056 | 3154 | 1520 | 71 | 169 | 69 |
| NM_025281 | Lyar | 0.991 | 2.024 | 5255 | 3539 | 3180 | 399 | 374 | 182 |
| NM_011978 | Slc27a2 | 0.424 | 2.022 | 4596 | 194 | 496 | 1429 | 4106 | 5099 |
| NM_172826 | Dact2 | -0.050 | 2.021 | 4815 | 774 | 2340 | 667 | 2243 | 1037 |
| NM_011420 | Smn1 | 0.850 | 2.017 | 4520 | 3189 | 3259 | 230 | 462 | 267 |
| NM_028115 | Trub1 | 0.239 | 2.012 | 2507 | 1861 | 2473 | 838 | 902 | 906 |
| NM_024216 | Gpn3 | 0.743 | 2.008 | 4394 | 2837 | 2389 | 225 | 221 | 133 |
| NM_011561 | Tdg | 0.668 | 2.001 | 2969 | 4465 | 3004 | 420 | 457 | 377 |
| NM_007557 | Bmp7 | -0.012 | 2.001 | 5997 | 798 | 1254 | 5810 | 2243 | 4452 |
| NM_011176 | St14 | 0.028 | 1.999 | 4433 | 369 | 983 | 1442 | 3432 | 3890 |
| NM_021390 | Sall1 | 0.048 | 1.997 | 7736 | 150 | 1320 | 1063 | 622 | 3469 |
| NM_001013756 | Grhl3 | 0.027 | 1.997 | 1946 | 332 | 638 | 1818 | 4979 | 1941 |
| NM_177099 | Lefty2 | 0.065 | 1.995 | 1005 | 37 | 409 | 778 | 786 | 1380 |
| NM_177775 | D9Erttd280e | -0.065 | 1.991 | 2487 | 326 | 787 | 2948 | 4216 | 3944 |
| NM_001033156 | Fbxo33 | 0.283 | 1.989 | 5294 | 3871 | 3717 | 306 | 377 | 305 |
| NM_025616 | Timm50 | 0.988 | 1.988 | 3507 | 2399 | 2587 | 206 | 287 | 79 |
| NM_030676 | Nr5a2 | -0.025 | 1.982 | 6991 | 874 | 2626 | 3993 | 8317 | 9840 |
| NM_021876 | Eed | 0.485 | 1.979 | 6271 | 4627 | 3111 | 457 | 306 | 432 |
| NM_001082532 | Pigyl | -0.354 | 1.976 | 3820 | 1262 | 1893 | 80 | 66 | 18 |
| NM_010436 | H2afx | 0.673 | 1.973 | 6237 | 3659 | 4116 | 40 | 25 | 11 |
| NM_019674 | Ppp4c | 0.946 | 1.965 | 3591 | 3157 | 2436 | 226 | 198 | 88 |
| NM_021308 | Piwil2 | -0.053 | 1.965 | 529 | 325 | 431 | 2280 | 1918 | 1987 |
| NM_011155 | Ppp5c | 0.738 | 1.963 | 5233 | 3475 | 2914 | 512 | 485 | 273 |

| | | | | | | | | | |
|--------------|-----------------|--------|-------|------|------|------|-------|-------|-------|
| NM_016875 | Ybx2 | 0.190 | 1.962 | 1318 | 375 | 527 | 642 | 1908 | 1820 |
| NM_153783 | Paox | 0.406 | 1.961 | 1972 | 1635 | 1290 | 177 | 151 | 116 |
| NM_028314 | 2700097O09Rik | 0.634 | 1.961 | 2060 | 1572 | 1419 | 720 | 976 | 539 |
| NM_007921 | Elf3 | 0.053 | 1.960 | 1199 | 46 | 107 | 211 | 574 | 327 |
| NM_026507 | Zwilch | 0.964 | 1.959 | 5816 | 4992 | 4939 | 351 | 697 | 868 |
| NM_053271 | Rims2 | -0.003 | 1.957 | 7731 | 4535 | 4572 | 11322 | 17920 | 23622 |
| NM_133191 | Eps8l2 | 0.013 | 1.956 | 1691 | 447 | 380 | 1622 | 1066 | 683 |
| NM_001081150 | Lonrf1 | 0.496 | 1.950 | 6036 | 4607 | 2767 | 1117 | 641 | 614 |
| NM_030093 | 3300001G02Rik | 0.794 | 1.947 | 2839 | 2049 | 2600 | 236 | 152 | 106 |
| NM_178684 | C130032J12Rik | 0.438 | 1.946 | 2918 | 4324 | 3941 | 382 | 619 | 662 |
| NM_008993 | Pxmp2 | 0.051 | 1.938 | 3913 | 2697 | 2200 | 337 | 200 | 174 |
| NM_010926 | Cox4nb | -0.027 | 1.936 | 5877 | 4929 | 6012 | 474 | 443 | 414 |
| NM_021287 | Spnb3 | 0.070 | 1.936 | 4207 | 778 | 1314 | 3779 | 4055 | 4415 |
| NM_016966 | Phgdh | 0.798 | 1.934 | 1996 | 4044 | 1894 | 687 | 750 | 189 |
| NM_027891 | 1200011O22Rik | 0.536 | 1.932 | 2778 | 3043 | 3451 | 386 | 474 | 290 |
| NM_146176 | Cnot3 | 0.461 | 1.929 | 5369 | 4211 | 3169 | 392 | 234 | 167 |
| NM_026943 | Snrpd2 | 0.688 | 1.928 | 2000 | 2343 | 1843 | 147 | 71 | 28 |
| NM_001033966 | Ak2 | 0.634 | 1.920 | 2130 | 3330 | 3063 | 571 | 350 | 170 |
| NM_013769 | Tjp3 | 0.014 | 1.919 | 3124 | 579 | 603 | 1078 | 3294 | 2313 |
| NM_029441 | Cdyl2 | 0.656 | 1.918 | 5855 | 3047 | 4347 | 3231 | 2669 | 3357 |
| NM_001042670 | ENSMUSG00000005 | 0.535 | 1.917 | 122 | 838 | 397 | 61 | 182 | 57 |
| NM_133777 | Ube2s | 0.565 | 1.916 | 5247 | 5147 | 3474 | 59 | 60 | 63 |
| NM_145706 | Nup43 | 0.658 | 1.914 | 1957 | 1249 | 1701 | 219 | 387 | 392 |
| NM_001012335 | Mdk | 0.006 | 1.914 | 1611 | 10 | 233 | 222 | 70 | 428 |
| NM_030702 | Senp3 | -0.039 | 1.913 | 5783 | 3118 | 4090 | 296 | 207 | 226 |
| NM_009904 | Clgn | 0.117 | 1.911 | 1224 | 218 | 572 | 1867 | 2852 | 4275 |
| NM_023597 | Wdr31 | 0.518 | 1.910 | 1367 | 1267 | 702 | 467 | 590 | 231 |
| NM_009836 | Cct3 | 0.947 | 1.909 | 6630 | 6276 | 3088 | 366 | 725 | 212 |
| NM_026398 | Pop5 | 0.114 | 1.906 | 4299 | 3573 | 2442 | 382 | 114 | 95 |

| | | | | | | | | | |
|--------------|---------------|--------|-------|-------|-------|-------|------|------|------|
| NM_011622 | Tom1 | -0.261 | 1.900 | 3520 | 2041 | 3165 | 1017 | 839 | 691 |
| NM_001081176 | Polr3g | 0.398 | 1.895 | 5202 | 3677 | 5163 | 603 | 833 | 919 |
| NM_029231 | Pelp1 | 0.274 | 1.893 | 4566 | 2802 | 3555 | 371 | 307 | 398 |
| NM_001037746 | AU021838 | 0.558 | 1.890 | 2064 | 2919 | 1998 | 219 | 130 | 107 |
| NM_025495 | Cenpp | 0.888 | 1.890 | 5233 | 6683 | 7166 | 3754 | 4428 | 5341 |
| NM_177821 | Ep300 | 0.607 | 1.890 | 6755 | 8493 | 7763 | 1140 | 1658 | 1760 |
| NM_008894 | Pold2 | 0.523 | 1.887 | 2086 | 1772 | 1912 | 253 | 246 | 225 |
| NM_133834 | Hnrnpf | 0.779 | 1.886 | 13466 | 16522 | 11827 | 292 | 526 | 325 |
| NM_029868 | Gpbp1l1 | 0.413 | 1.881 | 4308 | 5666 | 2959 | 482 | 763 | 394 |
| NM_008893 | Pola2 | 0.565 | 1.873 | 3072 | 2537 | 3510 | 489 | 802 | 468 |
| NM_026584 | Gtf2e2 | 0.722 | 1.872 | 3299 | 3477 | 2494 | 608 | 644 | 536 |
| NM_023635 | Rab27a | -1.088 | 1.871 | 2397 | 583 | 1455 | 1375 | 2920 | 1973 |
| NM_172723 | Adap1 | 0.076 | 1.871 | 4070 | 587 | 971 | 1762 | 6273 | 3391 |
| NM_019402 | Pabpn1 | 0.779 | 1.867 | 3783 | 3300 | 3261 | 105 | 78 | 114 |
| NM_009853 | Cd68 | 0.106 | 1.865 | 182 | 146 | 142 | 99 | 56 | 65 |
| NM_183275 | 1110002N22Rik | 0.184 | 1.862 | 4793 | 2843 | 3111 | 204 | 139 | 203 |
| NM_025928 | Pmf1 | 0.870 | 1.860 | 3497 | 2082 | 1834 | 401 | 306 | 134 |
| NM_133928 | Chchd4 | 0.608 | 1.860 | 5956 | 7209 | 6381 | 229 | 306 | 254 |
| NM_024173 | Atp6v1g1 | 0.503 | 1.860 | 1791 | 4461 | 2644 | 135 | 222 | 67 |
| NM_172135 | Mterf | 0.399 | 1.859 | 227 | 725 | 362 | 45 | 48 | 40 |
| NM_001081203 | Sbno1 | 0.981 | 1.854 | 5714 | 4867 | 3736 | 815 | 1246 | 754 |
| NM_008316 | Hus1 | 0.727 | 1.852 | 3245 | 2674 | 3337 | 432 | 461 | 458 |
| NM_001083902 | Slc12a8 | -0.219 | 1.850 | 2769 | 1310 | 1748 | 5688 | 5927 | 5029 |
| NM_025660 | Ribc1 | 0.564 | 1.850 | 1944 | 1909 | 2101 | 66 | 218 | 124 |
| NM_009876 | Cdkn1c | -2.499 | 1.849 | 1582 | 271 | 811 | 2111 | 491 | 977 |
| NM_001002929 | Nup85 | 0.329 | 1.847 | 4217 | 3055 | 3164 | 437 | 468 | 349 |
| NM_008567 | Mcm6 | 0.966 | 1.847 | 3390 | 2289 | 2588 | 555 | 944 | 756 |
| NM_019511 | Ramp3 | -0.018 | 1.847 | 1038 | 349 | 672 | 1729 | 1536 | 790 |
| NM_011487 | Stat4 | -0.059 | 1.843 | 1429 | 706 | 828 | 2900 | 4710 | 7388 |

| | | | | | | | | | |
|--------------|---------------|--------|-------|------|------|------|-------|-------|-------|
| NM_013566 | Itgb7 | 0.345 | 1.835 | 1034 | 387 | 415 | 854 | 746 | 875 |
| NM_172562 | Tada2l | 0.348 | 1.834 | 3625 | 3402 | 3870 | 1257 | 1391 | 1354 |
| NM_009077 | Rpl18 | 0.396 | 1.833 | 7800 | 7165 | 4295 | 103 | 87 | 50 |
| NM_001033759 | Tmem2 | 0.127 | 1.827 | 4979 | 5739 | 6718 | 1724 | 2316 | 1710 |
| NM_008838 | Pigf | 0.684 | 1.827 | 5891 | 5736 | 5653 | 599 | 884 | 801 |
| NM_175930 | Rapgef5 | -0.239 | 1.827 | 5619 | 1593 | 2459 | 7212 | 8279 | 8130 |
| NM_134013 | Psme4 | 0.642 | 1.824 | 7251 | 5184 | 5625 | 2217 | 2058 | 2846 |
| NM_013929 | Siva1 | 0.600 | 1.824 | 4898 | 3844 | 3189 | 351 | 234 | 38 |
| NM_026041 | Rrp15 | 0.318 | 1.819 | 4967 | 4263 | 4257 | 413 | 631 | 598 |
| NM_145429 | Arrb2 | 0.715 | 1.818 | 2677 | 2157 | 2516 | 569 | 367 | 193 |
| NM_008480 | Lama1 | -0.967 | 1.811 | 4934 | 2531 | 4970 | 3582 | 7517 | 4528 |
| NM_007525 | Bard1 | 0.643 | 1.810 | 3891 | 3569 | 3844 | 1219 | 1208 | 2161 |
| NM_008558 | Max | 0.032 | 1.808 | 4266 | 4723 | 3674 | 576 | 796 | 522 |
| NM_177475 | Suhw2 | 0.096 | 1.806 | 3534 | 3111 | 3484 | 266 | 443 | 165 |
| NM_011870 | Cib1 | 0.150 | 1.806 | 2930 | 2598 | 2768 | 177 | 58 | 103 |
| NR_001572 | Nudc-ps1 | 0.663 | 1.802 | 24 | 30 | 29 | 34 | 106 | 26 |
| NM_146252 | Tbc1d13 | -0.576 | 1.800 | 5030 | 3012 | 4385 | 386 | 348 | 334 |
| NM_152915 | Dner | 0.349 | 1.798 | 4559 | 2232 | 3043 | 13737 | 11011 | 16505 |
| NM_027250 | 2010305A19Rik | 0.583 | 1.798 | 3317 | 1700 | 1214 | 230 | 204 | 147 |
| NM_011552 | Tcof1 | 0.644 | 1.798 | 3558 | 2230 | 2990 | 898 | 850 | 744 |
| NM_026576 | Etaa1 | 0.539 | 1.797 | 3182 | 3293 | 3392 | 305 | 242 | 363 |
| NM_177613 | Cdc34 | -0.161 | 1.795 | 6282 | 4768 | 6291 | 180 | 232 | 195 |
| NM_008184 | Gstm6 | -0.374 | 1.795 | 338 | 56 | 116 | 134 | 286 | 101 |
| NM_145632 | Polr2h | 0.207 | 1.790 | 2613 | 2304 | 3002 | 102 | 40 | 118 |
| NM_177897 | B4galnt4 | -0.073 | 1.787 | 4024 | 383 | 599 | 613 | 2355 | 1583 |
| NM_027445 | Rnf167 | -0.267 | 1.787 | 4791 | 4264 | 4597 | 242 | 199 | 115 |
| NM_174868 | C030011O14Rik | 0.504 | 1.785 | 3214 | 765 | 1166 | 869 | 1378 | 842 |
| NM_153541 | Zbtb8b | -0.051 | 1.783 | 1945 | 152 | 209 | 456 | 2512 | 1001 |
| NM_145402 | Tmem51 | -2.419 | 1.771 | 4679 | 654 | 1901 | 1497 | 1768 | 1200 |

| | | | | | | | | | |
|--------------|---------------|--------|-------|------|-------|------|-------|-------|-------|
| NM_139149 | Fus | 0.834 | 1.770 | 5506 | 4745 | 3582 | 216 | 217 | 267 |
| NM_027123 | 2310010B21Rik | 0.214 | 1.770 | 3161 | 3258 | 4110 | 210 | 203 | 281 |
| NM_023626 | Ing3 | 0.458 | 1.768 | 2596 | 3935 | 2385 | 421 | 908 | 740 |
| NM_009423 | Traf4 | -0.145 | 1.762 | 6799 | 5865 | 7326 | 433 | 286 | 160 |
| NM_010948 | Nudc | 0.948 | 1.759 | 4003 | 3831 | 2453 | 157 | 439 | 172 |
| NM_175491 | Smcr8 | 0.312 | 1.758 | 6769 | 4930 | 7631 | 151 | 80 | 75 |
| NM_175263 | Notum | -0.262 | 1.755 | 5680 | 375 | 1119 | 2055 | 1628 | 2204 |
| NM_133815 | Lbr | 0.766 | 1.753 | 4880 | 4175 | 4678 | 809 | 499 | 591 |
| NM_013608 | Naca | 0.138 | 1.750 | 8718 | 10657 | 7342 | 332 | 348 | 151 |
| NM_010364 | Gtf2h4 | 0.379 | 1.748 | 1990 | 2618 | 2552 | 143 | 264 | 222 |
| NM_172567 | Mettl2 | 0.416 | 1.747 | 4504 | 2684 | 3634 | 283 | 585 | 471 |
| NM_009096 | Rps6 | 0.461 | 1.744 | 6450 | 5751 | 3983 | 92 | 60 | 12 |
| NM_007422 | Adss | 0.587 | 1.742 | 4029 | 5002 | 4954 | 723 | 801 | 846 |
| NM_026065 | D10Ertd322e | 0.422 | 1.742 | 3764 | 3861 | 2937 | 392 | 501 | 527 |
| NM_053122 | Imp2l | 0.416 | 1.741 | 5657 | 7522 | 5727 | 22600 | 19424 | 20419 |
| NM_009211 | Smarcc1 | 0.480 | 1.740 | 4375 | 3988 | 4029 | 1684 | 1923 | 2046 |
| NM_173765 | Aasdh | 0.484 | 1.739 | 2913 | 3182 | 1825 | 723 | 588 | 296 |
| NM_025304 | Lcmt1 | 0.435 | 1.738 | 3685 | 2091 | 2102 | 1075 | 861 | 622 |
| NM_010274 | Gpd2 | 0.959 | 1.737 | 4314 | 5151 | 5624 | 2706 | 2431 | 3117 |
| NM_001005223 | Znhit3 | 0.357 | 1.732 | 3825 | 2472 | 2498 | 76 | 232 | 110 |
| NM_001004365 | Actr3b | 0.012 | 1.731 | 5609 | 1436 | 1579 | 2151 | 4602 | 2177 |
| NM_133985 | Oxsr1 | 0.635 | 1.730 | 395 | 455 | 467 | 783 | 1258 | 1466 |
| NM_019706 | Rnf138 | -0.055 | 1.729 | 6417 | 4622 | 5995 | 428 | 803 | 713 |
| NM_030724 | Uck2 | 0.611 | 1.724 | 8211 | 5189 | 7116 | 1741 | 1587 | 1446 |
| NM_172735 | Zc3hc1 | 0.986 | 1.723 | 1340 | 2368 | 1708 | 342 | 519 | 450 |
| NM_007573 | C1qbp | 0.118 | 1.722 | 5406 | 3433 | 3502 | 255 | 225 | 124 |
| NM_009532 | Xrcc1 | 0.939 | 1.722 | 2255 | 1568 | 1696 | 622 | 700 | 304 |
| NM_028603 | 2410081M15Rik | -0.820 | 1.721 | 4476 | 2157 | 2595 | 372 | 1579 | 209 |
| NM_011274 | C80913 | 0.764 | 1.721 | 4292 | 2955 | 2477 | 926 | 1204 | 752 |

| | | | | | | | | | |
|-----------|---------------|--------|-------|-------|------|-------|------|------|------|
| NM_026871 | Hint2 | 0.405 | 1.721 | 2543 | 2054 | 1813 | 149 | 152 | 69 |
| NM_181410 | Gtf2h3 | 0.618 | 1.718 | 3991 | 4267 | 2494 | 244 | 379 | 150 |
| NM_027654 | Pcgf6 | 0.357 | 1.715 | 2830 | 2753 | 3162 | 285 | 462 | 514 |
| NM_172304 | Tex10 | 0.892 | 1.708 | 3668 | 4641 | 2808 | 406 | 970 | 554 |
| NM_007886 | Dtnb | 0.262 | 1.702 | 5385 | 3679 | 3365 | 5074 | 4497 | 3155 |
| NM_017479 | Myst4 | -0.126 | 1.702 | 6460 | 5159 | 7230 | 2958 | 4160 | 4360 |
| NM_008565 | Mcm4 | 0.724 | 1.702 | 6807 | 3709 | 4762 | 228 | 378 | 434 |
| NM_010021 | Dazl | -0.079 | 1.701 | 350 | 236 | 441 | 681 | 582 | 1945 |
| NM_010638 | Klf9 | -0.115 | 1.700 | 17318 | 9993 | 11331 | 456 | 781 | 534 |
| NM_007475 | Rplp0 | 0.680 | 1.699 | 2997 | 3328 | 2404 | 101 | 102 | 67 |
| NM_178788 | Dctd | 0.595 | 1.696 | 2017 | 2093 | 2008 | 938 | 718 | 423 |
| NM_153405 | Rbm45 | 0.270 | 1.691 | 4585 | 3282 | 4656 | 283 | 145 | 391 |
| NM_146036 | Ahsa1 | 0.305 | 1.691 | 6514 | 5442 | 4236 | 170 | 258 | 110 |
| NM_018776 | Crlf3 | 0.454 | 1.690 | 4902 | 3526 | 3168 | 774 | 1104 | 838 |
| NM_022653 | Thop1 | 0.629 | 1.689 | 2191 | 2138 | 2258 | 409 | 765 | 369 |
| NM_146116 | Tubb2c | 0.341 | 1.688 | 6579 | 3868 | 4694 | 125 | 10 | 25 |
| NM_008239 | Foxq1 | 0.081 | 1.688 | 6085 | 238 | 1978 | 1502 | 831 | 2185 |
| NM_026453 | Mak16 | 0.990 | 1.687 | 5354 | 3823 | 2776 | 159 | 90 | 133 |
| NM_011390 | Slc12a7 | 0.489 | 1.683 | 5760 | 3044 | 4025 | 1251 | 1479 | 1268 |
| NM_021889 | Syt9 | 0.413 | 1.682 | 5491 | 855 | 937 | 3965 | 4710 | 3203 |
| NM_019505 | Dgke | 0.232 | 1.682 | 7735 | 3591 | 4702 | 476 | 607 | 707 |
| NM_199042 | Thap1 | 0.343 | 1.680 | 4768 | 3809 | 2871 | 236 | 142 | 100 |
| NM_007858 | Diap1 | 0.193 | 1.679 | 4578 | 3601 | 5156 | 1815 | 2271 | 2330 |
| NM_178845 | Zfp277 | 0.597 | 1.677 | 5088 | 4339 | 4983 | 2517 | 2442 | 1760 |
| NM_021535 | Smu1 | 0.739 | 1.675 | 3935 | 4021 | 2614 | 292 | 365 | 185 |
| NM_177680 | A730098D12Rik | 0.775 | 1.674 | 3647 | 5097 | 2820 | 318 | 642 | 472 |
| NM_199322 | Dot1l | 0.977 | 1.673 | 5456 | 6436 | 5247 | 1266 | 1380 | 849 |
| NM_026964 | Ccdc124 | 0.316 | 1.672 | 3490 | 2036 | 2262 | 116 | 82 | 75 |
| NM_016706 | Coil | -0.114 | 1.669 | 3320 | 1896 | 2239 | 493 | 362 | 363 |

| | | | | | | | | | |
|--------------|---------------|--------|-------|------|------|------|------|------|------|
| NM_008630 | Mt2 | 0.182 | 1.669 | 3387 | 1879 | 2318 | 119 | 32 | 62 |
| NM_019685 | Ruvbl1 | 0.616 | 1.668 | 2792 | 3965 | 2781 | 728 | 985 | 611 |
| NM_145587 | Sbk | -0.239 | 1.668 | 6354 | 1985 | 2669 | 1845 | 996 | 288 |
| NM_207202 | Ccdc120 | 0.078 | 1.667 | 570 | 102 | 473 | 182 | 208 | 126 |
| NM_010256 | Gart | -0.024 | 1.666 | 4577 | 3780 | 3765 | 555 | 527 | 634 |
| NM_145974 | C330016O10Rik | 0.140 | 1.664 | 9441 | 2802 | 5157 | 652 | 374 | 273 |
| NM_011288 | Mrpl23 | 0.938 | 1.664 | 2337 | 2118 | 1136 | 351 | 234 | 62 |
| NM_178891 | Prmt6 | 0.522 | 1.664 | 4801 | 6817 | 4114 | 102 | 87 | 72 |
| NM_011937 | Gnpda1 | 0.544 | 1.663 | 4407 | 2982 | 3377 | 183 | 367 | 204 |
| NM_011503 | Stxbp2 | 0.905 | 1.660 | 2069 | 2777 | 2011 | 294 | 616 | 306 |
| NM_172991 | C030048B08Rik | 0.721 | 1.659 | 6353 | 4515 | 3678 | 290 | 190 | 145 |
| NM_172253 | Twistnb | 0.700 | 1.658 | 3787 | 2982 | 2487 | 229 | 298 | 171 |
| NM_023059 | Sigirr | -0.184 | 1.654 | 2834 | 139 | 760 | 309 | 1092 | 632 |
| NM_183178 | Fsd1 | -0.587 | 1.652 | 1260 | 341 | 850 | 493 | 2819 | 313 |
| NM_001081188 | Exosc7 | 0.372 | 1.652 | 6231 | 4067 | 4938 | 488 | 460 | 367 |
| NM_016907 | Spint1 | -0.013 | 1.651 | 6404 | 322 | 1002 | 592 | 2631 | 1910 |
| NM_009266 | Sephs2 | 0.070 | 1.651 | 4994 | 2716 | 2335 | 131 | 75 | 25 |
| NM_028298 | Zfp655 | 0.360 | 1.648 | 4847 | 6192 | 5244 | 229 | 375 | 355 |
| NM_178618 | 2310040C09Rik | -0.161 | 1.647 | 3257 | 226 | 649 | 1793 | 1277 | 1570 |
| NM_175045 | Bcor | 0.488 | 1.646 | 4956 | 3543 | 4700 | 3353 | 697 | 437 |
| NM_011317 | Khdrbs1 | 0.931 | 1.643 | 7266 | 6962 | 4817 | 374 | 626 | 356 |
| NM_026030 | Eif2s2 | -0.791 | 1.641 | 8127 | 7037 | 5122 | 223 | 654 | 512 |
| NM_175654 | Hist1h4d | 0.037 | 1.639 | 382 | 539 | 469 | 10 | 50 | 17 |
| NM_178208 | Hist1h4c | -0.248 | 1.638 | 145 | 194 | 248 | 21 | 37 | 44 |
| NM_133351 | Prss8 | -0.047 | 1.637 | 1161 | 11 | 33 | 232 | 146 | 67 |
| NM_178193 | Hist1h4b | 0.104 | 1.636 | 98 | 154 | 205 | 10 | 20 | 41 |
| NM_145625 | Eif4b | 0.234 | 1.634 | 5983 | 4906 | 4983 | 521 | 414 | 569 |
| NM_011914 | Whsc2 | 0.886 | 1.634 | 7326 | 5195 | 3697 | 982 | 567 | 318 |
| NM_012015 | H2afy | 0.487 | 1.633 | 5369 | 4541 | 6003 | 2059 | 1694 | 1292 |

| | | | | | | | | | |
|--------------|----------|--------|-------|------|------|------|------|------|------|
| NM_207212 | Wtip | 0.023 | 1.632 | 2961 | 2894 | 1841 | 450 | 448 | 170 |
| NM_134084 | Ppif | -0.264 | 1.632 | 2029 | 2633 | 3895 | 406 | 185 | 196 |
| NM_016745 | Atp2a3 | 0.224 | 1.631 | 2228 | 447 | 688 | 3404 | 3590 | 4961 |
| NM_001039657 | Mtl5 | -0.157 | 1.623 | 1286 | 786 | 956 | 1140 | 1190 | 953 |
| NM_019730 | Nme3 | 0.050 | 1.622 | 4089 | 3301 | 3348 | 43 | 75 | 33 |
| NM_146247 | BC024814 | 0.547 | 1.613 | 2731 | 2040 | 2607 | 668 | 691 | 540 |
| NM_001009951 | BC088983 | 0.880 | 1.612 | 3395 | 3634 | 2591 | 419 | 280 | 251 |
| NM_146218 | Rfwd3 | 0.408 | 1.611 | 3061 | 2920 | 3390 | 465 | 282 | 399 |
| NM_027000 | Gtpbp4 | 0.399 | 1.607 | 5453 | 4880 | 5102 | 458 | 356 | 597 |
| NM_008619 | Mov10 | -0.031 | 1.606 | 2989 | 4023 | 3101 | 405 | 562 | 160 |
| NM_026551 | Dcakd | 0.066 | 1.604 | 2078 | 2186 | 1754 | 591 | 623 | 465 |
| NM_007918 | Eif4ebp1 | 0.810 | 1.603 | 8435 | 8012 | 4292 | 409 | 321 | 194 |
| NM_025589 | Rpl36al | 0.384 | 1.602 | 5643 | 4753 | 3931 | 174 | 54 | 34 |
| NM_175137 | Vars2 | 0.594 | 1.597 | 2732 | 3610 | 3232 | 348 | 463 | 259 |
| NM_019731 | Nme4 | -0.379 | 1.595 | 1998 | 1296 | 1930 | 282 | 209 | 175 |
| NM_001024699 | Zbtb45 | 0.534 | 1.594 | 4172 | 2104 | 1914 | 145 | 90 | 30 |
| NM_029674 | Got1l1 | -2.526 | 1.594 | 58 | 17 | 10 | 189 | 489 | 76 |
| NM_026549 | Pdcd2l | 0.576 | 1.594 | 4195 | 2660 | 2295 | 291 | 170 | 69 |
| NM_028020 | Cpsf3l | 0.904 | 1.587 | 3946 | 4665 | 4120 | 324 | 294 | 249 |
| NM_153173 | Hist1h4h | -0.163 | 1.585 | 730 | 1329 | 1332 | 45 | 10 | 10 |
| NM_025504 | Atp5sl | 0.016 | 1.583 | 1275 | 853 | 895 | 129 | 179 | 81 |
| NM_145540 | Ints3 | 0.528 | 1.582 | 3401 | 3590 | 2730 | 977 | 920 | 366 |
| NM_030678 | Gys1 | 0.321 | 1.578 | 5000 | 4505 | 3319 | 454 | 402 | 150 |
| NM_026175 | Sf3a1 | 0.910 | 1.578 | 3928 | 3527 | 3819 | 506 | 719 | 539 |
| NM_019673 | Actl6a | 0.800 | 1.577 | 4640 | 4088 | 3089 | 265 | 462 | 267 |
| NM_013892 | Pcsk1n | 0.095 | 1.576 | 1626 | 92 | 176 | 519 | 539 | 1103 |
| NM_028006 | Tube1 | 0.764 | 1.572 | 2537 | 3247 | 2891 | 277 | 269 | 494 |
| NM_013754 | Insl6 | 0.755 | 1.569 | 136 | 530 | 231 | 183 | 195 | 187 |
| NM_022654 | Lrdd | 0.391 | 1.568 | 3125 | 1416 | 2197 | 274 | 171 | 58 |

| | | | | | | | | | |
|-----------|---------------|--------|-------|------|------|------|-------|------|-------|
| NM_026028 | Ccdc77 | 0.872 | 1.567 | 1550 | 2897 | 1319 | 345 | 737 | 579 |
| NM_026080 | Mrps24 | -0.242 | 1.566 | 6064 | 2975 | 3661 | 160 | 111 | 49 |
| NM_080470 | Smc1b | -0.058 | 1.565 | 246 | 574 | 601 | 2791 | 2922 | 5527 |
| NM_026543 | 3010026O09Rik | 0.475 | 1.565 | 3900 | 2355 | 2213 | 790 | 741 | 658 |
| NM_146074 | Tfb1m | 0.426 | 1.560 | 2070 | 2024 | 1765 | 956 | 999 | 1110 |
| NM_009360 | Tfam | 0.168 | 1.560 | 3761 | 3202 | 4022 | 301 | 390 | 371 |
| NM_172265 | Eif2b5 | 0.241 | 1.560 | 3702 | 2676 | 3441 | 130 | 228 | 200 |
| NM_011813 | Fiz1 | 0.800 | 1.559 | 4466 | 1447 | 1419 | 250 | 125 | 95 |
| NM_130881 | Pabpc4 | 0.459 | 1.559 | 1564 | 2213 | 1952 | 247 | 366 | 191 |
| NM_134021 | Pnpo | -0.349 | 1.559 | 1839 | 1140 | 2961 | 314 | 842 | 155 |
| NM_033077 | D1Pas1 | -0.071 | 1.557 | 663 | 32 | 58 | 510 | 133 | 108 |
| NM_175031 | Stk36 | -0.353 | 1.555 | 2731 | 2517 | 3407 | 1470 | 1024 | 934 |
| NM_133992 | Usp52 | 0.238 | 1.552 | 2325 | 3183 | 2450 | 528 | 735 | 592 |
| NM_025371 | Acy1 | 0.493 | 1.549 | 894 | 802 | 931 | 302 | 135 | 189 |
| NM_009902 | Cldn3 | -0.079 | 1.548 | 2791 | 20 | 287 | 176 | 1406 | 1766 |
| NM_181406 | Rars2 | 0.832 | 1.548 | 4829 | 5039 | 3251 | 1038 | 723 | 675 |
| NM_026119 | Med4 | 0.048 | 1.546 | 2970 | 2166 | 3339 | 167 | 170 | 311 |
| NM_026932 | Ebna1bp2 | 0.824 | 1.545 | 3298 | 3678 | 3167 | 177 | 205 | 108 |
| NM_181444 | Gprc5a | 0.899 | 1.545 | 1577 | 1137 | 936 | 1124 | 1046 | 370 |
| NM_019570 | Rev1 | -0.087 | 1.545 | 5221 | 3530 | 4553 | 1388 | 1181 | 2283 |
| NM_145573 | Mrps35 | 0.684 | 1.544 | 4516 | 4932 | 3580 | 648 | 1004 | 637 |
| NM_017476 | Akap8l | -0.502 | 1.543 | 8683 | 6844 | 6731 | 578 | 973 | 729 |
| NM_025825 | Appbp2 | 0.482 | 1.543 | 7309 | 6192 | 6580 | 899 | 1364 | 898 |
| NM_025372 | Tipin | 0.855 | 1.543 | 3140 | 2382 | 2854 | 273 | 332 | 355 |
| NM_029339 | Ccdc101 | 0.752 | 1.540 | 2588 | 1471 | 1372 | 546 | 344 | 317 |
| NM_134050 | Rab15 | -0.806 | 1.540 | 3150 | 676 | 1355 | 2323 | 3578 | 570 |
| NM_027541 | Prpf3 | 0.696 | 1.539 | 2132 | 2287 | 2012 | 419 | 449 | 268 |
| NM_178700 | Grsf1 | 0.875 | 1.538 | 4920 | 3769 | 3515 | 542 | 311 | 173 |
| NM_029920 | C130038G02Rik | -0.039 | 1.535 | 7963 | 2629 | 4112 | 14384 | 9169 | 12853 |

| | | | | | | | | | |
|--------------|---------------|--------|-------|-------|-------|-------|-------|-------|-------|
| NM_028288 | Cul4b | -0.292 | 1.535 | 3695 | 3642 | 3241 | 237 | 527 | 488 |
| NM_138676 | Shkbp1 | 0.422 | 1.534 | 1847 | 2628 | 1523 | 270 | 318 | 71 |
| NM_172561 | Spag7 | -0.118 | 1.533 | 5175 | 4106 | 4406 | 224 | 152 | 101 |
| NM_026591 | Mrpl24 | 0.757 | 1.529 | 1381 | 2755 | 1082 | 66 | 89 | 42 |
| NM_011830 | Impdh2 | 0.355 | 1.529 | 2116 | 1618 | 1477 | 107 | 104 | 139 |
| NM_178143 | Prkaa2 | 0.207 | 1.527 | 3551 | 3554 | 1942 | 1924 | 2163 | 2712 |
| NM_008847 | Pip5k1a | 0.968 | 1.526 | 4557 | 5423 | 2900 | 680 | 689 | 462 |
| NM_144829 | Aarsd1 | -0.073 | 1.526 | 3478 | 2087 | 2602 | 360 | 252 | 305 |
| NM_009272 | Srm | 0.434 | 1.525 | 4254 | 3957 | 4037 | 104 | 115 | 40 |
| NM_010760 | Magoh | 0.853 | 1.523 | 2896 | 3529 | 1792 | 182 | 205 | 109 |
| NM_008612 | Mnat1 | 0.949 | 1.522 | 2370 | 3689 | 2450 | 3071 | 3140 | 2506 |
| NM_011405 | Slc7a7 | -0.667 | 1.519 | 2126 | 680 | 2299 | 909 | 1565 | 1057 |
| NM_178069 | Lsg1 | -0.075 | 1.518 | 2915 | 3427 | 3040 | 543 | 567 | 699 |
| NM_027162 | Mif4gd | -0.225 | 1.517 | 2916 | 1829 | 2128 | 266 | 161 | 80 |
| NM_008449 | Kif5c | 0.549 | 1.516 | 3594 | 2038 | 2806 | 4904 | 5816 | 10420 |
| NM_011275 | Rnaseh1 | 0.386 | 1.516 | 3373 | 2976 | 2186 | 137 | 126 | 143 |
| NM_027872 | Slc46a3 | -0.794 | 1.515 | 1413 | 1207 | 1802 | 455 | 596 | 285 |
| NM_007999 | Fen1 | 0.625 | 1.515 | 4601 | 3259 | 3720 | 101 | 183 | 95 |
| NM_025553 | Mrpl11 | -0.090 | 1.514 | 2987 | 1830 | 2054 | 54 | 140 | 56 |
| NM_133934 | Isy1 | 0.877 | 1.512 | 2984 | 4216 | 3018 | 352 | 525 | 259 |
| NM_134022 | 6330403K07Rik | -0.137 | 1.503 | 374 | 39 | 69 | 284 | 62 | 178 |
| NM_027432 | Wdr77 | 0.047 | 1.502 | 4932 | 4367 | 3392 | 145 | 374 | 122 |
| NM_019537 | Dscr2 | -0.263 | 1.498 | 3053 | 2730 | 3144 | 169 | 434 | 373 |
| NM_001080390 | Mark2 | 0.427 | 1.497 | 608 | 189 | 302 | 690 | 533 | 501 |
| NM_177619 | Myst2 | 0.630 | 1.496 | 7490 | 5501 | 5315 | 874 | 805 | 696 |
| NM_183392 | Nup54 | 0.950 | 1.493 | 3056 | 3796 | 2339 | 354 | 488 | 249 |
| NM_153544 | BC030867 | 0.711 | 1.493 | 3478 | 1661 | 2056 | 766 | 669 | 432 |
| NM_138681 | Bcas3 | 0.370 | 1.491 | 6617 | 6689 | 6207 | 18026 | 16081 | 20257 |
| NM_080848 | Wdr5 | 0.125 | 1.488 | 22700 | 20106 | 26691 | 13718 | 12241 | 10606 |

| | | | | | | | | | |
|--------------|---------------|--------|-------|-------|-------|-------|------|------|------|
| NM_008432 | Kcnu1 | 0.203 | 1.485 | 885 | 373 | 370 | 2695 | 3955 | 2158 |
| NM_008956 | Ptbp1 | 0.680 | 1.485 | 9828 | 9603 | 11321 | 418 | 311 | 294 |
| NM_172993 | Zfp512 | 0.681 | 1.485 | 557 | 1362 | 637 | 497 | 559 | 271 |
| NM_011592 | Timm44 | 0.701 | 1.483 | 2435 | 3182 | 1948 | 357 | 642 | 310 |
| NM_020047 | Tacstd2 | -0.091 | 1.482 | 1610 | 41 | 121 | 1604 | 1448 | 1188 |
| NM_011674 | Ugt8a | 0.475 | 1.481 | 2755 | 888 | 595 | 1989 | 2271 | 2519 |
| NM_134010 | Nup107 | 0.582 | 1.477 | 3963 | 4337 | 3357 | 811 | 908 | 945 |
| NM_025876 | Cdk5rap1 | 0.135 | 1.476 | 3690 | 2195 | 3095 | 478 | 651 | 684 |
| NM_008628 | Msh2 | 0.541 | 1.476 | 5341 | 3495 | 3597 | 826 | 1501 | 1130 |
| NM_001005507 | Smg7 | 0.409 | 1.474 | 6683 | 4001 | 5347 | 1108 | 1401 | 1908 |
| NM_027171 | 2310057J16Rik | -0.131 | 1.471 | 5309 | 174 | 974 | 415 | 1676 | 893 |
| NM_028041 | Ddx54 | 0.722 | 1.470 | 5624 | 3597 | 2808 | 281 | 455 | 210 |
| NM_011151 | Ppm1b | 0.998 | 1.469 | 5074 | 6078 | 4972 | 651 | 1265 | 1408 |
| NM_010722 | Lmnb2 | 0.682 | 1.468 | 4441 | 3301 | 3861 | 656 | 541 | 318 |
| NM_001038010 | Kat2a | 0.220 | 1.463 | 2519 | 1626 | 2229 | 307 | 250 | 160 |
| NM_029365 | Med25 | 0.568 | 1.462 | 3772 | 2721 | 2565 | 332 | 330 | 187 |
| NM_177672 | AV028368 | 0.665 | 1.461 | 3465 | 2908 | 2745 | 605 | 255 | 112 |
| NM_173396 | Tgif2 | 0.380 | 1.456 | 6249 | 2860 | 3461 | 347 | 375 | 419 |
| NM_022721 | Fzd5 | -1.516 | 1.455 | 12430 | 3666 | 5822 | 366 | 262 | 161 |
| NM_027256 | Ints4 | 0.922 | 1.452 | 2642 | 1940 | 1855 | 717 | 1139 | 737 |
| NM_016905 | Galk1 | 0.025 | 1.451 | 1675 | 2504 | 2642 | 239 | 352 | 151 |
| NM_028597 | Thoc3 | 0.159 | 1.451 | 4306 | 2683 | 3986 | 162 | 268 | 192 |
| NM_030703 | Cpn1 | -0.028 | 1.451 | 746 | 286 | 414 | 1915 | 3013 | 2678 |
| NM_001080387 | Fusip1 | 0.791 | 1.450 | 4878 | 4932 | 3083 | 119 | 153 | 135 |
| NM_031391 | Gtf2a1 | 0.761 | 1.449 | 3485 | 4136 | 2406 | 586 | 904 | 462 |
| NM_173755 | Ube2o | -0.321 | 1.445 | 3893 | 3001 | 3870 | 1601 | 1104 | 887 |
| NM_023565 | Cse1l | 0.743 | 1.444 | 5192 | 3495 | 4172 | 664 | 676 | 704 |
| NM_054078 | Baz2a | 0.562 | 1.440 | 6452 | 12488 | 9237 | 738 | 1380 | 766 |
| NM_144851 | Senp1 | 0.578 | 1.439 | 4003 | 4121 | 4921 | 1234 | 1391 | 1488 |

| | | | | | | | | | |
|--------------|---------------|--------|-------|-------|------|-------|------|------|------|
| NM_198671 | Gse1 | -0.160 | 1.439 | 13543 | 8593 | 12219 | 5430 | 2128 | 1954 |
| NM_007892 | E2f5 | 0.864 | 1.435 | 2871 | 3165 | 2027 | 561 | 278 | 208 |
| NM_028053 | Tmem38b | 0.164 | 1.435 | 3144 | 2591 | 1825 | 484 | 783 | 427 |
| NM_172284 | Ddx19b | 0.303 | 1.432 | 2997 | 2397 | 3120 | 245 | 311 | 386 |
| NM_199056 | Ippk | -0.036 | 1.432 | 5133 | 4267 | 6523 | 1044 | 1037 | 1228 |
| NM_175414 | 9430079M16Rik | 0.028 | 1.432 | 7409 | 9764 | 7161 | 6043 | 9203 | 4042 |
| NM_030251 | Abtb1 | -0.066 | 1.430 | 4770 | 4639 | 4744 | 250 | 396 | 192 |
| NM_145404 | Prmt7 | 0.260 | 1.430 | 6749 | 4031 | 6674 | 725 | 739 | 1164 |
| NM_133884 | Gpn2 | 0.754 | 1.429 | 4743 | 4061 | 2958 | 205 | 209 | 77 |
| NM_146000 | Bud13 | -0.049 | 1.424 | 2881 | 2647 | 3126 | 214 | 204 | 334 |
| NM_013560 | Hspb1 | -2.297 | 1.424 | 2074 | 515 | 1840 | 54 | 54 | 45 |
| NM_026824 | Dus1l | 0.102 | 1.423 | 4737 | 3432 | 4819 | 309 | 78 | 121 |
| NM_023178 | Dmap1 | 0.907 | 1.421 | 3511 | 2762 | 2227 | 149 | 108 | 129 |
| NM_138756 | Slc25a36 | -0.407 | 1.420 | 4107 | 4254 | 3469 | 364 | 704 | 874 |
| NM_019406 | Fnbp1 | 0.002 | 1.419 | 6000 | 3772 | 6520 | 2162 | 2304 | 1845 |
| NM_212450 | Ctdspl2 | 0.348 | 1.419 | 5823 | 4690 | 4399 | 656 | 956 | 802 |
| NM_026894 | 1500001M20Rik | 0.848 | 1.418 | 3323 | 3588 | 2683 | 657 | 1235 | 691 |
| NM_011178 | Prtn3 | -0.747 | 1.416 | 498 | 26 | 93 | 467 | 170 | 152 |
| NM_008946 | Psmb6 | -0.233 | 1.414 | 1223 | 1828 | 1671 | 93 | 91 | 73 |
| NM_153416 | Aaas | 0.337 | 1.413 | 3042 | 2680 | 2889 | 270 | 534 | 286 |
| NM_027667 | Arhgap19 | 0.362 | 1.412 | 3504 | 2939 | 2695 | 546 | 988 | 1913 |
| NM_027423 | Polr3b | 0.817 | 1.409 | 3418 | 4564 | 3416 | 2831 | 2933 | 2774 |
| NM_025923 | Fancl | 0.372 | 1.407 | 1820 | 1752 | 1465 | 1804 | 1697 | 1879 |
| NM_001024954 | Pbx4 | 0.396 | 1.407 | 2473 | 1091 | 1465 | 1024 | 808 | 1057 |
| NM_016899 | Rab25 | -0.049 | 1.406 | 143 | 70 | 43 | 184 | 134 | 147 |
| NM_016710 | Nsbp1 | 0.758 | 1.406 | 978 | 1950 | 1331 | 92 | 177 | 97 |
| NM_019805 | Anapc7 | 0.872 | 1.405 | 4520 | 3119 | 2925 | 324 | 516 | 139 |
| NM_026856 | Zfp644 | 0.973 | 1.403 | 4795 | 4794 | 3189 | 1344 | 1896 | 1146 |
| NM_001081293 | Rprd2 | 0.633 | 1.403 | 6322 | 5582 | 3796 | 987 | 901 | 706 |

| | | | | | | | | | |
|--------------|---------------|--------|-------|------|------|------|------|------|------|
| NM_001033314 | C530028I08Rik | 0.715 | 1.401 | 2743 | 2417 | 1727 | 715 | 214 | 242 |
| NM_018877 | Setdb1 | 0.600 | 1.397 | 1092 | 981 | 911 | 493 | 644 | 383 |
| NM_029546 | Pwp2 | 0.259 | 1.395 | 4489 | 2197 | 3984 | 392 | 337 | 281 |
| NM_030096 | Ddx52 | 0.585 | 1.394 | 2118 | 2799 | 2582 | 593 | 656 | 535 |
| NM_007706 | Socs2 | -0.946 | 1.393 | 8352 | 7971 | 7784 | 416 | 485 | 161 |
| NM_024221 | Pdhb | 0.047 | 1.393 | 3483 | 3075 | 3445 | 116 | 23 | 159 |
| NM_175439 | Mars2 | 0.694 | 1.391 | 4078 | 4754 | 5372 | 136 | 57 | 26 |
| NM_198019 | Cep78 | 0.935 | 1.391 | 3550 | 3089 | 3100 | 528 | 605 | 523 |
| NM_020035 | Pigo | 0.412 | 1.389 | 1977 | 924 | 646 | 186 | 245 | 84 |
| NM_021315 | Noc3l | 0.796 | 1.389 | 3600 | 3736 | 4116 | 686 | 858 | 685 |
| NM_007949 | Erc2 | 0.214 | 1.387 | 2858 | 2237 | 2545 | 492 | 312 | 159 |
| NM_027213 | Med6 | 0.426 | 1.381 | 1173 | 2705 | 1148 | 237 | 375 | 292 |
| NM_001013378 | Usp1 | 0.179 | 1.381 | 4552 | 5369 | 4803 | 614 | 589 | 798 |
| NM_024177 | Mrpl38 | 0.397 | 1.380 | 4026 | 2731 | 3061 | 388 | 179 | 141 |
| NM_145975 | Ddx46 | 0.880 | 1.379 | 4736 | 3076 | 3610 | 870 | 1683 | 1192 |
| NM_009767 | Chic1 | 0.745 | 1.374 | 2158 | 2747 | 2142 | 251 | 409 | 259 |
| NM_145480 | Rfc4 | 0.818 | 1.374 | 3788 | 2417 | 2890 | 272 | 349 | 416 |
| NM_007438 | Aldoa | 0.986 | 1.373 | 4564 | 5621 | 4493 | 95 | 125 | 75 |
| NM_028036 | Tmco6 | -0.416 | 1.372 | 1359 | 1526 | 1970 | 144 | 246 | 137 |
| NM_001035123 | Setd6 | 0.361 | 1.370 | 4764 | 2273 | 3447 | 115 | 78 | 104 |
| NM_013415 | Atp1b2 | -0.358 | 1.369 | 3206 | 667 | 1487 | 1743 | 1204 | 1076 |
| NM_020570 | Xrcc2 | 0.881 | 1.369 | 2544 | 2383 | 1692 | 298 | 383 | 188 |
| NM_016681 | Chek2 | 0.614 | 1.369 | 4456 | 3471 | 2334 | 599 | 670 | 266 |
| NM_008947 | Psmc1 | 0.763 | 1.368 | 412 | 348 | 357 | 252 | 417 | 165 |
| NM_001005509 | Eif2a | 0.887 | 1.365 | 3881 | 3782 | 2590 | 469 | 492 | 430 |
| NM_133761 | Dcp1a | 0.267 | 1.360 | 3867 | 4307 | 4127 | 1045 | 1066 | 1459 |
| NM_001033352 | Klhl21 | 0.333 | 1.359 | 9238 | 8209 | 6607 | 461 | 253 | 58 |
| NM_027485 | Med26 | -0.296 | 1.358 | 6405 | 5892 | 7965 | 1123 | 1063 | 1041 |
| NM_133702 | Nol11 | 0.253 | 1.358 | 4673 | 2895 | 3754 | 440 | 389 | 566 |

| | | | | | | | | | |
|--------------|---------------|--------|-------|-------|------|-------|------|------|------|
| NM_197988 | 1190005I06Rik | 0.109 | 1.358 | 2018 | 624 | 1783 | 1252 | 1009 | 654 |
| NM_019795 | Dnajc7 | 0.465 | 1.356 | 7799 | 6392 | 7440 | 921 | 1173 | 973 |
| NM_023671 | Clns1a | 0.529 | 1.355 | 3498 | 2544 | 2586 | 185 | 352 | 162 |
| NM_172598 | Wdhd1 | 0.881 | 1.355 | 3951 | 4580 | 4526 | 603 | 1037 | 878 |
| NM_177870 | Slc5a6 | 0.697 | 1.353 | 2870 | 2594 | 2063 | 519 | 368 | 136 |
| NM_023637 | Sars2 | 0.147 | 1.352 | 3102 | 2242 | 1522 | 273 | 281 | 97 |
| NM_008826 | Pfkl | 0.099 | 1.351 | 3579 | 3956 | 4397 | 1028 | 955 | 606 |
| NM_010122 | Eif2b4 | 0.387 | 1.351 | 6172 | 5701 | 4944 | 193 | 117 | 28 |
| NM_197940 | Wipf2 | 0.180 | 1.351 | 2741 | 2072 | 2846 | 1301 | 701 | 947 |
| NM_007951 | Erh | 0.895 | 1.351 | 6531 | 5615 | 4201 | 196 | 288 | 142 |
| NM_027545 | Cwf19l2 | 0.661 | 1.350 | 1656 | 2599 | 1963 | 613 | 895 | 1215 |
| NM_033571 | Fkbp6 | -0.051 | 1.350 | 618 | 502 | 424 | 2322 | 7640 | 5705 |
| NM_023633 | 2410016O06Rik | 0.730 | 1.349 | 5210 | 3412 | 3041 | 402 | 61 | 41 |
| NM_023219 | Slc5a4b | -0.028 | 1.348 | 525 | 593 | 407 | 2970 | 4002 | 3164 |
| NM_172907 | Olfml1 | -0.174 | 1.347 | 166 | 117 | 92 | 594 | 973 | 396 |
| NM_007707 | Socs3 | -1.803 | 1.346 | 11524 | 8544 | 14073 | 417 | 74 | 94 |
| NM_027911 | Raver1 | 0.537 | 1.345 | 3673 | 2836 | 3984 | 335 | 297 | 330 |
| NM_008260 | Foxa3 | 0.027 | 1.344 | 1885 | 1167 | 1062 | 891 | 1426 | 1059 |
| NM_001081109 | Lmtk2 | -0.144 | 1.343 | 3940 | 2571 | 3476 | 1850 | 1813 | 1822 |
| NM_025392 | Bccip | 0.619 | 1.341 | 4562 | 3692 | 2874 | 305 | 208 | 167 |
| NM_178645 | Blmh | -0.212 | 1.341 | 3273 | 3099 | 3680 | 1146 | 1475 | 1054 |
| NM_021886 | Cenph | 0.625 | 1.340 | 3471 | 2267 | 3140 | 179 | 454 | 375 |
| NM_133984 | Hemk1 | 0.457 | 1.337 | 1792 | 1402 | 2105 | 281 | 146 | 412 |
| NM_025818 | 1200014J11Rik | 0.248 | 1.337 | 3489 | 3656 | 4816 | 671 | 545 | 889 |
| NM_172644 | 5830468K18Rik | 0.058 | 1.336 | 3330 | 4209 | 3770 | 542 | 546 | 781 |
| NM_026277 | Nob1 | 0.464 | 1.334 | 4225 | 2802 | 3133 | 186 | 411 | 247 |
| NM_028814 | 2810403A07Rik | 0.768 | 1.334 | 6092 | 5750 | 3983 | 467 | 609 | 242 |
| NM_009447 | Tuba4a | 0.333 | 1.333 | 3379 | 3340 | 5415 | 459 | 260 | 240 |
| NM_007989 | Foxh1 | 0.020 | 1.333 | 2244 | 266 | 229 | 156 | 217 | 151 |

| | | | | | | | | | |
|--------------|---------------|--------|-------|-------|------|-------|------|------|------|
| NM_145823 | Pitpnc1 | -0.404 | 1.331 | 10306 | 7011 | 10081 | 8331 | 9093 | 6292 |
| NM_177298 | 9030221M09Rik | 0.082 | 1.330 | 4389 | 6539 | 4793 | 785 | 815 | 499 |
| NM_010590 | Jub | -0.067 | 1.329 | 11848 | 9140 | 11223 | 371 | 337 | 183 |
| NM_025573 | Sfrs9 | 0.878 | 1.329 | 4517 | 4936 | 3573 | 235 | 155 | 25 |
| NM_145620 | Rrp9 | 0.431 | 1.329 | 2596 | 3106 | 4278 | 208 | 163 | 184 |
| NM_153585 | Cnot10 | 0.460 | 1.328 | 3754 | 2585 | 3507 | 1027 | 770 | 1127 |
| NM_198609 | BC003885 | 0.228 | 1.328 | 3892 | 2753 | 3492 | 104 | 154 | 130 |
| NM_021882 | Si | -0.345 | 1.327 | 665 | 792 | 634 | 362 | 834 | 473 |
| NM_007690 | Chd1 | 0.608 | 1.326 | 4793 | 5286 | 5117 | 1100 | 2075 | 1601 |
| NM_172713 | Sdad1 | 0.990 | 1.325 | 3807 | 4163 | 2970 | 456 | 649 | 290 |
| NM_009095 | Rps5 | 0.013 | 1.325 | 4703 | 4846 | 3069 | 208 | 144 | 85 |
| NM_001081107 | Hel308 | 0.623 | 1.322 | 3990 | 3841 | 2752 | 790 | 732 | 483 |
| NM_009319 | Tarbp2 | 0.445 | 1.322 | 4064 | 4420 | 4267 | 173 | 260 | 155 |
| NM_145890 | Grhl1 | -0.126 | 1.320 | 426 | 458 | 397 | 1038 | 1263 | 505 |
| NM_009085 | Polr1c | 0.246 | 1.318 | 6428 | 6680 | 6308 | 124 | 74 | 117 |
| NM_144918 | Smyd5 | 0.350 | 1.317 | 3674 | 4399 | 3281 | 288 | 496 | 429 |
| NM_022811 | Polr1e | 0.502 | 1.316 | 2878 | 2482 | 2464 | 384 | 518 | 159 |
| NM_010709 | Lgtn | 0.161 | 1.316 | 2567 | 1955 | 2127 | 400 | 446 | 450 |
| NM_010882 | Ndn | -2.191 | 1.314 | 1889 | 23 | 458 | 431 | 47 | 60 |
| NM_172705 | Phf13 | 0.093 | 1.313 | 5900 | 6258 | 4305 | 544 | 240 | 97 |
| NM_178763 | Zfp750 | 0.078 | 1.313 | 757 | 54 | 105 | 405 | 419 | 272 |
| NM_001037741 | Gpx4 | 0.041 | 1.311 | 6361 | 4918 | 3993 | 171 | 76 | 60 |
| NM_201230 | Fgfr1op | 0.659 | 1.311 | 237 | 451 | 437 | 400 | 814 | 714 |
| NM_177305 | Arl4c | 0.675 | 1.311 | 7359 | 9691 | 10499 | 767 | 138 | 105 |
| NM_201637 | Chd8 | 0.034 | 1.307 | 619 | 857 | 828 | 706 | 873 | 1045 |
| NM_019870 | Ard1a | 0.790 | 1.306 | 2901 | 1621 | 1677 | 85 | 139 | 67 |
| NM_029360 | Tm4sf5 | 0.135 | 1.305 | 169 | 33 | 83 | 418 | 662 | 371 |
| NM_025546 | Rsl1d1 | 0.526 | 1.305 | 5414 | 5903 | 5204 | 324 | 322 | 365 |
| NM_027184 | Ipmk | -0.265 | 1.305 | 5654 | 4067 | 5524 | 844 | 1045 | 790 |

| | | | | | | | | | |
|--------------|---------------|--------|-------|-------|------|------|------|------|------|
| NM_001024922 | Ddx49 | -0.419 | 1.305 | 4417 | 4349 | 4943 | 285 | 132 | 233 |
| NM_025686 | Brf2 | 0.260 | 1.304 | 2753 | 2380 | 1599 | 112 | 98 | 41 |
| NM_138630 | Arhgap4 | 0.193 | 1.304 | 327 | 111 | 66 | 312 | 322 | 214 |
| NM_001033548 | 6030429G01Rik | -0.499 | 1.303 | 827 | 1353 | 1776 | 467 | 266 | 165 |
| NM_176848 | Fbxo2 | -1.481 | 1.302 | 2399 | 1464 | 1401 | 1661 | 2179 | 1335 |
| NM_177777 | D11Wsu47e | -0.278 | 1.302 | 6144 | 4146 | 5033 | 208 | 112 | 249 |
| NM_009801 | Car2 | 0.010 | 1.302 | 3216 | 323 | 1383 | 1087 | 466 | 252 |
| NM_145447 | Mfsd7c | -0.378 | 1.300 | 2021 | 1128 | 1061 | 2744 | 4747 | 1368 |
| NM_019716 | Orc6l | 0.234 | 1.300 | 8861 | 6752 | 8701 | 82 | 52 | 373 |
| NM_145993 | L3mbtl2 | 0.470 | 1.300 | 4224 | 3227 | 3400 | 544 | 901 | 552 |
| NM_145147 | Gtpbp6 | 0.218 | 1.298 | 7831 | 3909 | 3569 | 174 | 170 | 65 |
| NM_030722 | Pum1 | 0.585 | 1.298 | 7653 | 6865 | 3934 | 1847 | 2526 | 1498 |
| NM_024236 | Qdpr | 0.165 | 1.297 | 1965 | 2489 | 2111 | 522 | 231 | 253 |
| NM_001013391 | Cpsf6 | 0.671 | 1.297 | 5805 | 8711 | 6159 | 422 | 766 | 844 |
| NM_138660 | Casc3 | 0.545 | 1.297 | 3417 | 3636 | 3607 | 436 | 318 | 615 |
| NM_175660 | Hist1h2ab | 0.123 | 1.296 | 176 | 303 | 270 | 24 | 10 | 29 |
| NM_178029 | Setd1a | 0.678 | 1.296 | 5200 | 4296 | 3374 | 387 | 454 | 221 |
| NM_022994 | Dap3 | 0.373 | 1.295 | 6723 | 4493 | 4066 | 521 | 715 | 319 |
| NM_133242 | Rnpc2 | 0.012 | 1.294 | 5716 | 8452 | 8291 | 480 | 314 | 683 |
| NM_007533 | Bckdha | -0.381 | 1.294 | 3620 | 2977 | 1987 | 874 | 1033 | 425 |
| NM_008692 | Nfyc | 0.595 | 1.293 | 4042 | 5050 | 3546 | 1204 | 1568 | 944 |
| NM_001076789 | Cbx5 | 0.793 | 1.293 | 5564 | 5835 | 4400 | 593 | 1295 | 1383 |
| NM_001079824 | Hnrnph3 | -0.004 | 1.293 | 5784 | 6017 | 5803 | 216 | 203 | 302 |
| NM_008562 | Mcl1 | 0.157 | 1.292 | 10471 | 9825 | 5283 | 136 | 63 | 66 |
| NM_001033446 | Gm949 | 0.071 | 1.291 | 1287 | 232 | 118 | 271 | 538 | 366 |
| NM_020329 | Dolpp1 | -0.358 | 1.289 | 2921 | 2555 | 4201 | 278 | 134 | 198 |
| NM_028908 | 4933403G14Rik | -0.663 | 1.289 | 1987 | 62 | 450 | 454 | 211 | 151 |
| NM_130879 | Usp48 | 0.259 | 1.288 | 9295 | 5824 | 3921 | 1201 | 1426 | 639 |
| NM_011624 | Top3b | -0.337 | 1.287 | 3928 | 3419 | 3554 | 542 | 695 | 644 |

| | | | | | | | | | |
|--------------|---------------|--------|-------|------|-------|------|-------|-------|-------|
| NM_007661 | Cdc2l1 | 0.780 | 1.285 | 5353 | 4629 | 3105 | 509 | 429 | 225 |
| NM_011542 | Tcea3 | -1.712 | 1.284 | 2903 | 609 | 2993 | 1644 | 3149 | 609 |
| NM_027294 | Cmtm8 | -0.554 | 1.283 | 2638 | 490 | 1739 | 3173 | 3776 | 2950 |
| NM_031248 | Robld3 | 0.231 | 1.283 | 4484 | 3309 | 2803 | 179 | 130 | 41 |
| NM_144824 | BC021790 | 0.278 | 1.282 | 5358 | 4204 | 4056 | 553 | 637 | 497 |
| NM_023731 | Ccdc86 | 0.224 | 1.282 | 3723 | 3647 | 4912 | 285 | 238 | 184 |
| NM_010655 | Kpna2 | 0.461 | 1.281 | 7481 | 5381 | 4418 | 235 | 365 | 227 |
| NM_027204 | Mrpl12 | 0.099 | 1.281 | 6381 | 3199 | 4760 | 126 | 121 | 56 |
| NM_023514 | Mrps9 | 0.572 | 1.280 | 3770 | 2668 | 3496 | 1288 | 1013 | 1498 |
| NM_134012 | Mbtd1 | 0.153 | 1.279 | 5315 | 4525 | 6068 | 1062 | 1520 | 1661 |
| NM_026508 | Trap1 | 0.013 | 1.278 | 4849 | 3857 | 4375 | 650 | 595 | 798 |
| NM_011400 | Slc2a1 | 0.255 | 1.275 | 5719 | 4304 | 3115 | 744 | 586 | 280 |
| NM_020046 | Dhodh | -0.103 | 1.274 | 2728 | 1972 | 2332 | 295 | 194 | 335 |
| NM_178215 | Hist2h3b | 0.088 | 1.273 | 416 | 479 | 230 | 16 | 30 | 10 |
| NM_009743 | Bcl2l1 | 0.356 | 1.272 | 4493 | 14458 | 8035 | 928 | 1016 | 960 |
| NM_175138 | Dnaic1 | -0.555 | 1.270 | 2395 | 2265 | 2089 | 4472 | 6031 | 2317 |
| NM_144958 | Eif4a1 | 0.435 | 1.270 | 9867 | 5796 | 5872 | 214 | 158 | 98 |
| NM_030697 | Kank3 | -0.841 | 1.268 | 5953 | 2311 | 3396 | 540 | 1093 | 532 |
| NM_080446 | Helb | -0.136 | 1.266 | 2997 | 3502 | 2819 | 711 | 907 | 815 |
| NM_172745 | Tufm | 0.631 | 1.266 | 2517 | 1992 | 1885 | 100 | 38 | 73 |
| NM_001017525 | Btbd11 | -0.130 | 1.264 | 1399 | 2121 | 1983 | 2780 | 4146 | 3193 |
| NM_009109 | Ryr1 | 0.007 | 1.264 | 6430 | 1090 | 1587 | 6139 | 9417 | 5405 |
| NM_011589 | Timeless | 0.655 | 1.264 | 366 | 542 | 880 | 346 | 590 | 414 |
| NM_009606 | Acta1 | -0.111 | 1.262 | 260 | 41 | 190 | 674 | 1129 | 1796 |
| NM_025598 | 2700038C09Rik | 0.076 | 1.261 | 3483 | 2090 | 3114 | 70 | 42 | 26 |
| NM_172813 | Enox1 | 0.949 | 1.260 | 9254 | 5696 | 8311 | 19962 | 15059 | 21057 |
| NM_018749 | Eif3d | 0.464 | 1.254 | 6337 | 6860 | 6947 | 250 | 373 | 376 |
| NM_009253 | Serpina3m | 0.202 | 1.254 | 28 | 36 | 10 | 214 | 339 | 78 |
| NM_152822 | Las1l | 0.620 | 1.254 | 2061 | 2099 | 2362 | 213 | 434 | 226 |

| | | | | | | | | | |
|--------------|---------------|--------|-------|------|------|------|------|-------|-------|
| NM_027288 | Manba | -0.725 | 1.254 | 6713 | 3378 | 3016 | 1400 | 1795 | 805 |
| NM_020486 | Bcam | 0.095 | 1.252 | 2005 | 202 | 513 | 388 | 1253 | 187 |
| NM_173453 | Tmem11 | 0.436 | 1.251 | 7130 | 5902 | 6185 | 449 | 409 | 301 |
| NM_144543 | Thyn1 | 0.576 | 1.251 | 3402 | 3816 | 4397 | 150 | 60 | 69 |
| NM_027678 | Zranb3 | 0.451 | 1.250 | 3966 | 3220 | 3240 | 3395 | 3852 | 3959 |
| NM_007383 | Acads | 0.075 | 1.248 | 2659 | 2173 | 1833 | 183 | 222 | 145 |
| NM_145123 | Crtac1 | -0.135 | 1.243 | 4949 | 1674 | 1763 | 9618 | 13544 | 12105 |
| NM_020580 | Th1l | 0.501 | 1.243 | 2660 | 2018 | 2532 | 322 | 296 | 229 |
| NM_001045531 | Spata22 | -0.107 | 1.241 | 138 | 120 | 199 | 1151 | 462 | 1374 |
| NM_198005 | 4833418A01Rik | -0.157 | 1.239 | 3678 | 3063 | 3617 | 487 | 345 | 579 |
| NM_145610 | Ppan | 0.048 | 1.238 | 5820 | 3729 | 4239 | 171 | 75 | 94 |
| NM_134109 | Ildr1 | 0.040 | 1.237 | 4289 | 272 | 307 | 1332 | 1253 | 1387 |
| NM_007926 | Scye1 | 0.537 | 1.233 | 4590 | 5314 | 3235 | 249 | 600 | 196 |
| NM_016959 | Rps3a | -0.307 | 1.227 | 6892 | 5228 | 3628 | 91 | 185 | 74 |
| NM_008787 | Pcnt | 0.509 | 1.226 | 5140 | 3195 | 3597 | 2052 | 2370 | 1886 |
| NM_011750 | Sf1 | 0.322 | 1.225 | 6643 | 5279 | 5591 | 469 | 548 | 385 |
| NM_009634 | Adsl | 0.658 | 1.223 | 3808 | 3704 | 3617 | 377 | 416 | 367 |
| NM_178379 | Cox10 | 0.782 | 1.223 | 5354 | 4901 | 5127 | 3440 | 3185 | 3378 |
| NM_008033 | Fnta | 0.713 | 1.223 | 2283 | 2339 | 1894 | 283 | 254 | 169 |
| NM_134087 | AA409316 | 0.022 | 1.220 | 5787 | 3657 | 4959 | 1490 | 1104 | 740 |
| NM_001034059 | 6330534C20Rik | 0.039 | 1.220 | 292 | 93 | 97 | 114 | 196 | 356 |
| NM_199466 | Eml4 | 0.283 | 1.219 | 4401 | 5286 | 4358 | 2231 | 3447 | 3526 |
| NM_009359 | Tex9 | 0.782 | 1.217 | 2655 | 2202 | 2260 | 482 | 507 | 770 |
| NM_018810 | Mkrn1 | 0.248 | 1.216 | 9031 | 6075 | 5343 | 347 | 735 | 371 |
| NM_016723 | Uchl3 | 0.309 | 1.216 | 3093 | 2080 | 3516 | 795 | 876 | 1561 |
| NM_011568 | Thoc4 | 0.657 | 1.216 | 5374 | 4107 | 4284 | 189 | 245 | 58 |
| NM_031877 | Wasf1 | 0.675 | 1.212 | 5354 | 5142 | 6056 | 1199 | 1277 | 1899 |
| NM_007382 | Acadm | 0.196 | 1.212 | 2761 | 3005 | 2302 | 186 | 270 | 243 |
| NM_026411 | 1700021F05Rik | 0.154 | 1.212 | 2991 | 3132 | 3284 | 470 | 512 | 430 |

| | | | | | | | | | |
|-----------|---------------|--------|-------|------|------|------|------|------|------|
| NM_030178 | Brpf1 | 0.871 | 1.211 | 5098 | 5939 | 5492 | 324 | 637 | 379 |
| NM_011972 | Poli | 0.018 | 1.211 | 1671 | 2658 | 2436 | 258 | 394 | 531 |
| NM_177342 | Taf5 | 0.539 | 1.208 | 2821 | 3105 | 3160 | 190 | 369 | 474 |
| NM_175112 | Rae1 | 0.302 | 1.208 | 3636 | 3258 | 4135 | 281 | 475 | 265 |
| NM_177266 | A930009M04Rik | -0.082 | 1.207 | 4277 | 2872 | 3502 | 644 | 666 | 950 |
| NM_026034 | Armc10 | 0.882 | 1.207 | 2084 | 2878 | 1767 | 232 | 323 | 132 |
| NM_177474 | D19Bwg1357e | 0.397 | 1.207 | 4417 | 5435 | 4896 | 713 | 704 | 1080 |
| NM_133664 | Lad1 | -0.021 | 1.203 | 1882 | 201 | 452 | 2454 | 3621 | 3437 |
| NM_016737 | Stip1 | 0.016 | 1.201 | 4095 | 3826 | 4088 | 343 | 401 | 316 |
| NM_010124 | Eif4ebp2 | -0.148 | 1.201 | 5582 | 4344 | 4889 | 462 | 641 | 435 |
| NM_011900 | Mpdu1 | -0.179 | 1.200 | 3133 | 1259 | 1644 | 254 | 146 | 121 |
| NM_146173 | Tspan33 | 0.072 | 1.199 | 2124 | 582 | 848 | 1714 | 6037 | 3072 |
| NM_144820 | Ccdc28a | 0.191 | 1.198 | 3550 | 2009 | 2295 | 476 | 437 | 476 |
| NM_145995 | 2700050L05Rik | 0.436 | 1.196 | 98 | 194 | 125 | 327 | 384 | 208 |
| NM_172122 | Crocc | 0.710 | 1.193 | 2629 | 446 | 228 | 1050 | 1065 | 451 |
| NM_026071 | Slc25a19 | 0.225 | 1.193 | 3673 | 2268 | 2786 | 393 | 468 | 273 |
| NM_022988 | Nif3l1 | 0.153 | 1.192 | 225 | 650 | 550 | 363 | 328 | 405 |
| NM_025663 | Gpatch4 | 0.649 | 1.191 | 2938 | 2166 | 1765 | 270 | 244 | 104 |
| NM_016884 | Hnrnpc | 0.890 | 1.191 | 4394 | 5242 | 3532 | 535 | 490 | 681 |
| NM_080469 | Prnpi1 | 0.314 | 1.189 | 2902 | 4128 | 2939 | 2792 | 2702 | 1452 |
| NM_175238 | Rif1 | 0.504 | 1.188 | 5302 | 2779 | 3281 | 708 | 698 | 1360 |
| NM_080289 | Grhpr | 0.331 | 1.188 | 2762 | 2224 | 2030 | 277 | 240 | 104 |
| NM_026167 | Klhl13 | -0.128 | 1.185 | 2514 | 1444 | 2052 | 952 | 1806 | 2102 |
| NM_198029 | Fermt1 | -0.115 | 1.184 | 1053 | 197 | 420 | 2600 | 2615 | 2922 |
| NM_021556 | Mrps30 | 0.327 | 1.184 | 4278 | 4433 | 4870 | 120 | 205 | 205 |
| NM_198631 | BC057627 | 0.631 | 1.183 | 5652 | 8209 | 5060 | 810 | 499 | 405 |
| NM_026816 | Gtf2f2 | -0.235 | 1.183 | 3045 | 4132 | 4509 | 2513 | 1862 | 2973 |
| NM_145506 | Epb4.1l5 | 0.314 | 1.183 | 4288 | 3478 | 3573 | 2680 | 2445 | 4239 |
| NM_016680 | Sfrs16 | 0.214 | 1.183 | 3993 | 2950 | 2794 | 786 | 939 | 357 |

| | | | | | | | | | |
|--------------|---------------|--------|-------|------|------|------|------|------|------|
| NM_010472 | Agfg1 | 0.619 | 1.181 | 4786 | 4243 | 4699 | 1027 | 1313 | 1605 |
| NM_019990 | Stard10 | -0.130 | 1.181 | 2723 | 1160 | 1183 | 2246 | 1166 | 506 |
| NM_025572 | 2610528J11Rik | 0.125 | 1.181 | 166 | 43 | 34 | 154 | 181 | 87 |
| NM_172469 | Clic6 | -0.146 | 1.181 | 1525 | 417 | 800 | 3036 | 4953 | 4447 |
| NM_153505 | Nckap1l | 0.578 | 1.179 | 296 | 576 | 358 | 2529 | 1861 | 2994 |
| NM_011916 | Xrn1 | 0.350 | 1.179 | 4357 | 4371 | 5070 | 1507 | 1724 | 2238 |
| NM_008799 | Pdcd2 | 0.419 | 1.179 | 3482 | 4563 | 4083 | 156 | 238 | 245 |
| NM_019976 | Psrc1 | 0.083 | 1.179 | 4708 | 3085 | 2548 | 152 | 312 | 30 |
| NM_172662 | Gtdc1 | 0.728 | 1.178 | 936 | 1469 | 1803 | 5820 | 4181 | 8348 |
| NM_011945 | Map3k1 | 0.072 | 1.178 | 6134 | 5150 | 6274 | 2369 | 1923 | 1420 |
| NM_133835 | Ubac1 | -0.098 | 1.178 | 2846 | 2067 | 3483 | 480 | 466 | 545 |
| NM_026393 | Nmral1 | 0.569 | 1.177 | 1513 | 1591 | 1276 | 193 | 104 | 197 |
| NM_007705 | Cirbp | 0.730 | 1.177 | 2774 | 3054 | 2374 | 124 | 175 | 100 |
| NM_023202 | Ndufa7 | 0.265 | 1.176 | 4023 | 4471 | 2782 | 160 | 457 | 334 |
| NM_024240 | Gins4 | 0.567 | 1.176 | 2955 | 2088 | 2039 | 179 | 210 | 117 |
| NM_009478 | Urod | 0.526 | 1.176 | 2470 | 2699 | 2175 | 199 | 194 | 54 |
| NM_023479 | Elac2 | 0.389 | 1.175 | 3492 | 3247 | 3688 | 528 | 587 | 578 |
| NM_008586 | Mep1b | -0.055 | 1.175 | 258 | 285 | 217 | 584 | 1204 | 1633 |
| NM_153775 | 2310061F22Rik | 0.284 | 1.175 | 4281 | 3835 | 5798 | 208 | 205 | 98 |
| NM_028273 | Pgam5 | 0.995 | 1.174 | 4725 | 4043 | 3026 | 194 | 242 | 93 |
| NM_183020 | Atxn2l | 0.345 | 1.174 | 6901 | 5853 | 4636 | 317 | 269 | 209 |
| NM_029557 | Tsen54 | -0.271 | 1.173 | 4315 | 2698 | 4861 | 380 | 292 | 75 |
| NM_023130 | Raly | 0.010 | 1.173 | 4914 | 5662 | 6325 | 1143 | 1313 | 1614 |
| NM_177700 | Atmin | -0.157 | 1.171 | 4744 | 2819 | 3980 | 303 | 236 | 336 |
| NM_172410 | Nup93 | -0.025 | 1.171 | 3058 | 3212 | 4968 | 1594 | 1758 | 2251 |
| NM_001077264 | Ap2a1 | 0.326 | 1.171 | 4242 | 3128 | 2276 | 718 | 728 | 305 |
| NM_198102 | Tra2a | 0.786 | 1.171 | 6650 | 8336 | 5552 | 237 | 351 | 331 |
| NM_020579 | B4galt3 | -0.064 | 1.169 | 3019 | 2747 | 3523 | 271 | 103 | 274 |
| NM_054048 | Rcor2 | 0.316 | 1.168 | 3711 | 2141 | 1726 | 143 | 187 | 133 |

| | | | | | | | | | |
|--------------|---------------|--------|-------|------|------|------|------|------|------|
| NM_198613 | Ap2s1 | 0.147 | 1.167 | 1529 | 2386 | 1830 | 318 | 122 | 95 |
| NM_010588 | Jag2 | -0.205 | 1.167 | 5358 | 493 | 830 | 2314 | 3182 | 1803 |
| NM_009709 | Arnt | 0.690 | 1.166 | 3592 | 3872 | 2463 | 722 | 1077 | 734 |
| NM_016776 | Mybbp1a | 0.720 | 1.163 | 5045 | 3158 | 4023 | 383 | 257 | 259 |
| NM_025380 | Eef1e1 | 0.654 | 1.162 | 4078 | 3175 | 3255 | 269 | 302 | 403 |
| NM_133185 | Rogdi | -0.260 | 1.161 | 2161 | 1255 | 2027 | 212 | 140 | 163 |
| NM_001013765 | Zscan4c | 0.210 | 1.160 | 20 | 10 | 10 | 18 | 10 | 10 |
| NM_009384 | Tiam1 | -0.824 | 1.160 | 3238 | 2173 | 3650 | 7674 | 4624 | 5881 |
| NM_011081 | Piga | 0.576 | 1.160 | 1639 | 1280 | 1617 | 198 | 365 | 199 |
| NM_025463 | 1810009A15Rik | -0.006 | 1.157 | 3049 | 2916 | 2795 | 58 | 68 | 45 |
| NM_025407 | Uqcrc1 | 0.127 | 1.157 | 5422 | 3488 | 4293 | 264 | 242 | 264 |
| NM_001039385 | Vgf | -0.202 | 1.157 | 2337 | 912 | 1196 | 1168 | 1507 | 636 |
| NM_024199 | Cstf1 | 0.476 | 1.153 | 5479 | 5012 | 5282 | 221 | 257 | 271 |
| NM_020491 | Sssca1 | 0.237 | 1.153 | 2650 | 2110 | 2517 | 37 | 116 | 36 |
| NM_001004366 | Scube3 | 0.057 | 1.150 | 3434 | 976 | 945 | 2854 | 8153 | 5556 |
| NM_001014974 | Ttll4 | 0.433 | 1.149 | 3035 | 2914 | 3522 | 707 | 823 | 944 |
| NM_001042675 | Rbpms | -1.561 | 1.149 | 7659 | 4416 | 4887 | 2425 | 4562 | 1196 |
| NM_178576 | Cpsf4 | 0.574 | 1.149 | 4917 | 5024 | 5254 | 349 | 326 | 239 |
| NM_007880 | Arid3a | -0.131 | 1.148 | 5087 | 7213 | 7578 | 1455 | 1015 | 660 |
| NM_134139 | Wdr74 | 0.220 | 1.147 | 3853 | 2404 | 3096 | 164 | 75 | 127 |
| NM_027644 | 4931440B09Rik | 0.073 | 1.145 | 889 | 76 | 38 | 323 | 851 | 263 |
| NM_025666 | Ubr7 | 0.428 | 1.145 | 4978 | 5379 | 3819 | 419 | 606 | 167 |
| NM_012003 | Cops7a | 0.412 | 1.144 | 3956 | 5439 | 4287 | 215 | 276 | 161 |
| NM_172116 | Pddc1 | -0.012 | 1.142 | 2410 | 2673 | 2640 | 149 | 167 | 71 |
| NM_013456 | Actn3 | -0.166 | 1.142 | 2005 | 1342 | 1719 | 1011 | 1976 | 870 |
| NM_133787 | Nmd3 | 0.553 | 1.141 | 5247 | 4864 | 3530 | 272 | 649 | 244 |
| NM_019995 | D3Ert300e | 0.811 | 1.139 | 2311 | 3238 | 1648 | 275 | 678 | 295 |
| NM_013782 | Ptdss2 | 0.230 | 1.139 | 3597 | 2371 | 2243 | 517 | 578 | 349 |
| NM_025909 | Oma1 | 0.476 | 1.139 | 1634 | 2093 | 1369 | 999 | 1008 | 493 |

| | | | | | | | | | |
|--------------|---------------|--------|-------|------|------|------|------|------|------|
| NM_025384 | Dnajc15 | 0.032 | 1.139 | 2764 | 1818 | 3042 | 1064 | 966 | 1667 |
| NM_178747 | Gulo | 0.103 | 1.138 | 404 | 200 | 223 | 1137 | 2011 | 1300 |
| NM_028469 | 3110082I17Rik | 0.317 | 1.136 | 6589 | 5998 | 8761 | 3298 | 2897 | 2299 |
| NM_023197 | 2310008H09Rik | 0.544 | 1.136 | 5782 | 3816 | 3395 | 277 | 205 | 136 |
| NM_025537 | Tsfm | 0.180 | 1.135 | 2961 | 3117 | 2382 | 273 | 286 | 180 |
| NM_025996 | Tomm34 | -0.121 | 1.133 | 4566 | 3560 | 5070 | 404 | 305 | 308 |
| NM_144871 | Suv420h1 | 0.878 | 1.132 | 4764 | 4686 | 5249 | 1235 | 1120 | 1271 |
| NM_144826 | Utp6 | -0.849 | 1.131 | 4074 | 2705 | 2735 | 799 | 806 | 576 |
| NM_029278 | Nol14 | 0.714 | 1.130 | 4128 | 4712 | 3025 | 523 | 451 | 239 |
| NM_026758 | Mphosph6 | 0.360 | 1.130 | 3549 | 3123 | 3534 | 239 | 294 | 171 |
| NM_001029990 | Mett11d1 | 0.035 | 1.129 | 2745 | 2273 | 3246 | 181 | 176 | 179 |
| NM_026370 | Myst1 | 0.297 | 1.129 | 1824 | 1830 | 1538 | 281 | 328 | 122 |
| NM_016766 | Mcrs1 | 0.144 | 1.128 | 3154 | 2348 | 2416 | 292 | 210 | 287 |
| NM_029456 | Saps3 | 0.188 | 1.128 | 5361 | 5423 | 5446 | 2004 | 2464 | 2900 |
| NM_025348 | Ndufa3 | 0.427 | 1.127 | 2456 | 2098 | 2193 | 54 | 104 | 10 |
| NM_029963 | Mrps5 | 0.067 | 1.127 | 5570 | 3309 | 3689 | 478 | 325 | 297 |
| NM_007444 | Amd2 | 0.337 | 1.126 | 5515 | 5055 | 5469 | 240 | 453 | 193 |
| NM_010774 | Mbd4 | 0.340 | 1.125 | 3041 | 3159 | 3005 | 174 | 298 | 428 |
| NM_008952 | Pipox | 0.063 | 1.124 | 559 | 141 | 207 | 660 | 1093 | 1713 |
| NM_016748 | Ctps | 0.825 | 1.123 | 4993 | 5323 | 3940 | 563 | 535 | 322 |
| NM_021500 | Maea | -0.048 | 1.120 | 4327 | 5366 | 3760 | 747 | 1110 | 540 |
| NM_028003 | Rpap3 | 0.330 | 1.120 | 3428 | 3234 | 4192 | 469 | 1162 | 707 |
| NM_007531 | Phb2 | 0.860 | 1.118 | 6564 | 8206 | 5898 | 136 | 161 | 104 |
| NM_173002 | Zxdc | 0.904 | 1.118 | 4545 | 9038 | 7809 | 1116 | 1026 | 774 |
| NM_009031 | Rbbp7 | 0.065 | 1.117 | 3022 | 2804 | 2795 | 214 | 100 | 163 |
| NM_026037 | Mboat2 | 0.784 | 1.117 | 5009 | 2959 | 2053 | 3779 | 4749 | 4682 |
| NM_001005525 | Rsrc2 | 0.888 | 1.116 | 3344 | 5935 | 2903 | 359 | 473 | 253 |
| NM_026035 | Mrpl55 | 0.087 | 1.116 | 4452 | 2184 | 3990 | 165 | 214 | 114 |
| NM_178610 | Krr1 | 0.473 | 1.116 | 2867 | 3990 | 3259 | 389 | 356 | 387 |

| | | | | | | | | | |
|--------------|-------------|--------|-------|-------|-------|-------|------|------|------|
| NM_019869 | Rbm14 | 0.095 | 1.115 | 10076 | 6116 | 6954 | 303 | 360 | 190 |
| NM_145462 | D14Ertd500e | 0.178 | 1.114 | 4128 | 2842 | 3088 | 390 | 240 | 269 |
| NM_026176 | Pdcl | -0.323 | 1.114 | 2434 | 2609 | 2705 | 135 | 141 | 247 |
| NM_172992 | Phtf2 | 0.586 | 1.113 | 5556 | 5176 | 3202 | 1494 | 2104 | 1706 |
| NM_001017426 | Jmjd3 | 0.288 | 1.112 | 10256 | 9484 | 9414 | 1450 | 577 | 352 |
| NM_019426 | Atf7ip | 0.792 | 1.111 | 2668 | 7793 | 3250 | 1308 | 2320 | 1931 |
| NM_134059 | Ddx41 | -0.329 | 1.111 | 4207 | 2836 | 4315 | 245 | 112 | 88 |
| NM_008951 | Psmc4 | 0.687 | 1.109 | 2396 | 2722 | 1786 | 157 | 270 | 109 |
| NM_008887 | Phox2a | -0.074 | 1.106 | 2625 | 62 | 418 | 1569 | 902 | 1064 |
| NM_008281 | Hpn | -0.092 | 1.105 | 916 | 147 | 148 | 989 | 782 | 292 |
| NM_021451 | Pmaip1 | 0.286 | 1.104 | 4364 | 2061 | 3355 | 1232 | 372 | 256 |
| NM_011752 | Zfp259 | 0.250 | 1.103 | 4818 | 3609 | 5063 | 275 | 196 | 238 |
| NM_008992 | Abcd4 | 0.671 | 1.102 | 2452 | 1970 | 1591 | 559 | 474 | 187 |
| NM_001029876 | Urb2 | -0.323 | 1.101 | 279 | 374 | 597 | 390 | 422 | 824 |
| NM_009372 | Tgif1 | 0.337 | 1.101 | 8747 | 18651 | 10035 | 182 | 232 | 253 |
| NM_026533 | Rps13 | 0.434 | 1.099 | 4685 | 5177 | 2914 | 99 | 93 | 10 |
| NM_181590 | Shq1 | 0.475 | 1.098 | 4480 | 5590 | 4198 | 1969 | 3384 | 2584 |
| NM_025845 | Prpf38b | 0.530 | 1.096 | 6207 | 6759 | 4984 | 157 | 258 | 74 |
| NM_134141 | Ciapi1 | 0.717 | 1.095 | 5197 | 4530 | 5923 | 328 | 395 | 256 |
| NM_172718 | Sgsm1 | -0.956 | 1.095 | 4207 | 857 | 1799 | 3743 | 2271 | 1545 |
| NM_009837 | Cct4 | 0.560 | 1.092 | 5674 | 5440 | 4951 | 367 | 96 | 397 |
| NM_025567 | Cyc1 | 0.356 | 1.092 | 5991 | 4102 | 5671 | 88 | 115 | 89 |
| NM_133971 | Ankrd10 | -0.063 | 1.091 | 8453 | 6356 | 6845 | 544 | 617 | 440 |
| NM_178601 | Imp4 | 0.679 | 1.091 | 6004 | 3360 | 4380 | 163 | 336 | 191 |
| NM_025302 | Mrpl2 | 0.486 | 1.090 | 4290 | 3926 | 4256 | 111 | 150 | 134 |
| NM_008439 | Khk | -0.026 | 1.090 | 2024 | 1226 | 518 | 663 | 540 | 133 |
| NM_175485 | Prtg | 0.246 | 1.090 | 4006 | 3714 | 4157 | 4494 | 1759 | 3432 |
| NM_018872 | Tmem131 | -0.018 | 1.084 | 8228 | 5766 | 6015 | 3149 | 3540 | 4137 |
| NM_026665 | Cep57 | 0.493 | 1.084 | 6806 | 6139 | 6777 | 338 | 407 | 387 |

| | | | | | | | | | |
|--------------|------------|--------|-------|------|-------|------|------|------|------|
| NM_026171 | Nvl | 0.065 | 1.084 | 3578 | 2623 | 3136 | 875 | 1023 | 1182 |
| NM_177379 | Grit | 0.446 | 1.082 | 329 | 252 | 320 | 921 | 1058 | 1341 |
| NM_025910 | Mina | -0.015 | 1.082 | 2105 | 1729 | 2723 | 288 | 512 | 532 |
| NM_139198 | Plac8 | 0.539 | 1.082 | 227 | 1172 | 232 | 723 | 600 | 310 |
| NM_026068 | Med31 | 0.428 | 1.080 | 3867 | 3444 | 3313 | 283 | 177 | 59 |
| NM_138653 | Bspry | 0.122 | 1.080 | 1066 | 168 | 141 | 772 | 1545 | 362 |
| NM_011967 | Psma5 | 0.849 | 1.079 | 2831 | 3991 | 3162 | 367 | 409 | 232 |
| NM_144925 | Tnrc6a | 0.794 | 1.078 | 3280 | 3681 | 2715 | 1256 | 969 | 1037 |
| NM_029891 | Nkrf | 0.339 | 1.078 | 1674 | 1928 | 2087 | 155 | 305 | 295 |
| NM_173757 | Mrps27 | 0.282 | 1.075 | 4811 | 4183 | 4515 | 1304 | 1659 | 1576 |
| NM_009940 | Coq7 | 0.240 | 1.072 | 2723 | 1848 | 1171 | 178 | 45 | 79 |
| NM_013614 | Odc1 | 0.273 | 1.071 | 4145 | 4158 | 3832 | 288 | 183 | 113 |
| NM_001081267 | Rsf1 | 0.578 | 1.071 | 6507 | 5518 | 4641 | 1482 | 1650 | 1234 |
| NM_023324 | Peli1 | 0.193 | 1.071 | 3847 | 4300 | 4230 | 1425 | 1582 | 1729 |
| NM_145569 | Mat2a | 0.409 | 1.071 | 6630 | 12590 | 7122 | 102 | 223 | 201 |
| NM_007764 | Crkl | 0.420 | 1.070 | 6637 | 7140 | 7621 | 715 | 798 | 1124 |
| NM_008052 | Dtx1 | -0.182 | 1.070 | 5036 | 430 | 1677 | 3990 | 2041 | 1817 |
| NM_016755 | Atp5j | -0.445 | 1.068 | 6144 | 5389 | 6293 | 278 | 217 | 168 |
| NM_028487 | Gpbp1 | -0.034 | 1.068 | 6212 | 4578 | 5436 | 730 | 1520 | 1811 |
| NM_028812 | Gtf2e1 | -0.145 | 1.068 | 3547 | 3163 | 3428 | 510 | 652 | 787 |
| NM_172755 | Sfrs14 | 0.478 | 1.068 | 4084 | 3244 | 4046 | 492 | 690 | 813 |
| NM_011700 | Vill | -0.025 | 1.066 | 827 | 280 | 765 | 1306 | 1356 | 499 |
| NM_009708 | Rnd2 | -0.348 | 1.066 | 2699 | 1618 | 2260 | 522 | 166 | 105 |
| NM_011294 | Rpo2tc1 | -0.370 | 1.066 | 3663 | 4581 | 4354 | 228 | 468 | 462 |
| NM_029036 | S100pbp | 0.483 | 1.066 | 5913 | 6392 | 4238 | 571 | 735 | 459 |
| NM_008133 | Lgsn | -0.215 | 1.064 | 7281 | 6258 | 6602 | 538 | 780 | 1072 |
| NM_001040686 | Zfp692 | 0.284 | 1.063 | 2424 | 1884 | 2192 | 374 | 301 | 138 |
| NM_010473 | Hrc | 0.386 | 1.063 | 486 | 486 | 375 | 266 | 1132 | 400 |
| NM_029976 | Cdkn2aipnl | 0.917 | 1.062 | 3007 | 2714 | 2465 | 260 | 263 | 186 |

| | | | | | | | | | |
|--------------|---------------|--------|-------|------|------|------|------|------|------|
| NM_011729 | Ercc5 | -0.641 | 1.062 | 2635 | 3388 | 3788 | 709 | 872 | 914 |
| NM_026728 | Echdc2 | -1.016 | 1.061 | 1854 | 1432 | 1707 | 415 | 1474 | 354 |
| NM_177301 | Hnrpl | 0.888 | 1.061 | 4262 | 4537 | 2755 | 300 | 161 | 70 |
| NM_175394 | Wtap | 0.595 | 1.061 | 5678 | 5140 | 4867 | 403 | 412 | 432 |
| NM_018790 | Arc | -0.048 | 1.061 | 4267 | 1341 | 906 | 585 | 400 | 893 |
| NM_026476 | 2610101N10Rik | 0.731 | 1.060 | 6406 | 5253 | 5280 | 918 | 902 | 1417 |
| NM_025886 | Rassf7 | 0.605 | 1.058 | 3530 | 1368 | 1394 | 131 | 147 | 54 |
| NM_183417 | Cdk2 | 0.583 | 1.057 | 2638 | 4680 | 3608 | 290 | 355 | 290 |
| NM_033079 | D6Mm5e | -0.009 | 1.056 | 488 | 1534 | 882 | 4509 | 3952 | 3946 |
| NM_025301 | Mrpl17 | 0.437 | 1.055 | 4809 | 4189 | 2720 | 264 | 224 | 136 |
| NM_152810 | Cdc5l | 0.448 | 1.055 | 7234 | 6811 | 6412 | 622 | 1379 | 1044 |
| NM_010435 | Hira | 0.491 | 1.052 | 8809 | 5647 | 7876 | 1952 | 1991 | 2391 |
| NM_172404 | Ccbl1 | 0.000 | 1.051 | 2918 | 2769 | 3947 | 554 | 447 | 660 |
| NM_028775 | Cyp2s1 | -0.123 | 1.047 | 1480 | 151 | 433 | 560 | 870 | 463 |
| NM_011971 | Psmb3 | -0.096 | 1.047 | 5440 | 3782 | 4259 | 371 | 359 | 275 |
| NM_009081 | Rpl28 | 0.514 | 1.045 | 5098 | 3828 | 2359 | 12 | 45 | 13 |
| NM_008193 | Guk1 | -0.575 | 1.045 | 4186 | 2177 | 3211 | 360 | 329 | 186 |
| NM_001081746 | EG665378 | 0.048 | 1.044 | 14 | 122 | 396 | 103 | 97 | 96 |
| NM_028760 | Cep55 | 0.879 | 1.043 | 4284 | 4109 | 3811 | 409 | 414 | 559 |
| NM_019761 | Nxt1 | 0.286 | 1.043 | 2509 | 3528 | 2874 | 40 | 42 | 63 |
| NM_198108 | Morn4 | 0.871 | 1.043 | 2767 | 1514 | 1384 | 301 | 429 | 381 |
| NM_027292 | Bzrpl1 | 0.013 | 1.043 | 200 | 93 | 25 | 292 | 274 | 174 |
| NM_001033463 | Tatdn2 | 0.488 | 1.043 | 4240 | 5910 | 5199 | 263 | 381 | 296 |
| NM_010613 | Khsrp | 0.539 | 1.039 | 4054 | 5458 | 4069 | 420 | 301 | 244 |
| NM_008802 | Pde7a | 0.492 | 1.039 | 377 | 255 | 209 | 613 | 818 | 483 |
| NM_145583 | Frag1 | -0.165 | 1.038 | 1421 | 1529 | 1301 | 196 | 389 | 89 |
| NM_009131 | Clec11a | 0.600 | 1.038 | 2392 | 1189 | 1092 | 428 | 276 | 114 |
| NM_020569 | Park7 | 0.482 | 1.036 | 1409 | 1713 | 1354 | 378 | 359 | 122 |
| NM_130892 | Rtn4ip1 | 0.004 | 1.036 | 2826 | 3324 | 2775 | 1430 | 769 | 1475 |

| | | | | | | | | | |
|--------------|---------------|--------|-------|------|------|------|------|------|------|
| NM_054087 | Slc19a2 | -0.317 | 1.036 | 7138 | 5096 | 6235 | 546 | 331 | 485 |
| NM_028875 | Xrcc3 | 0.641 | 1.035 | 3473 | 3101 | 2721 | 450 | 347 | 137 |
| NM_007554 | Bmp4 | -3.102 | 1.031 | 4346 | 478 | 1684 | 1252 | 1718 | 3693 |
| NM_013462 | Adrb3 | -0.129 | 1.031 | 8084 | 406 | 1917 | 290 | 568 | 391 |
| NM_019937 | Ccnl1 | 0.308 | 1.031 | 5899 | 9144 | 3953 | 215 | 382 | 248 |
| NM_020024 | Taf10 | 0.615 | 1.030 | 1919 | 1595 | 1576 | 38 | 54 | 22 |
| NM_009795 | Capns1 | 0.398 | 1.029 | 4299 | 4143 | 2533 | 135 | 103 | 79 |
| NM_146089 | Ccdc5 | 0.152 | 1.026 | 2335 | 2109 | 2195 | 153 | 177 | 205 |
| NM_011192 | Psme3 | 0.265 | 1.025 | 5079 | 3745 | 4795 | 271 | 141 | 164 |
| NM_016867 | Gipc2 | 0.356 | 1.024 | 4562 | 577 | 1092 | 3314 | 1915 | 1392 |
| NM_018747 | Akap7 | 0.633 | 1.024 | 3153 | 3304 | 3103 | 4187 | 3273 | 4525 |
| NM_026989 | Sfrs11 | 0.586 | 1.024 | 21 | 43 | 61 | 208 | 283 | 135 |
| NM_183311 | B930076A02 | 0.025 | 1.023 | 2331 | 487 | 1026 | 1375 | 2880 | 1699 |
| NM_001013372 | Nrp | -0.080 | 1.023 | 3702 | 4208 | 2626 | 13 | 12 | 34 |
| NM_009391 | Ran | 0.371 | 1.023 | 6974 | 5644 | 5165 | 95 | 81 | 36 |
| NM_021559 | Zfp191 | 0.164 | 1.021 | 3477 | 4012 | 3829 | 228 | 168 | 246 |
| NM_138669 | Eif4a3 | -0.148 | 1.020 | 5511 | 3543 | 4263 | 211 | 392 | 350 |
| NM_026603 | Denr | 0.556 | 1.020 | 3933 | 3050 | 2698 | 403 | 508 | 276 |
| NM_016714 | Nup50 | 0.165 | 1.019 | 5052 | 5852 | 6013 | 313 | 475 | 467 |
| NM_199195 | Bckdhb | -0.239 | 1.019 | 844 | 1414 | 3196 | 3237 | 3861 | 4723 |
| NM_025582 | 2810405K02Rik | -0.552 | 1.018 | 1430 | 746 | 2121 | 267 | 411 | 89 |
| NM_030680 | Upf1 | 0.289 | 1.017 | 5223 | 4804 | 5675 | 969 | 484 | 478 |
| NM_010852 | Myef2 | 0.812 | 1.016 | 188 | 123 | 147 | 447 | 415 | 567 |
| NM_001044744 | Gcdh | -0.754 | 1.015 | 2783 | 2028 | 3825 | 223 | 138 | 345 |
| NM_026120 | 2410127L17Rik | -0.146 | 1.015 | 4223 | 3007 | 2957 | 545 | 760 | 780 |
| NM_008471 | Krt19 | 0.782 | 1.014 | 1529 | 623 | 302 | 824 | 410 | 696 |
| NM_023524 | Tfpt | 0.423 | 1.012 | 4064 | 3130 | 2836 | 197 | 153 | 163 |
| NM_007765 | Crmp1 | 0.657 | 1.011 | 2368 | 1626 | 1800 | 1951 | 2300 | 1113 |
| NM_001007465 | Rffl | -0.176 | 1.010 | 4842 | 2963 | 3988 | 2811 | 1587 | 1303 |

| | | | | | | | | | |
|-----------|---------------|--------|-------|------|------|------|------|------|------|
| NM_010178 | Fusip1 | 0.113 | 1.009 | 4878 | 5003 | 3107 | 168 | 222 | 153 |
| NM_153062 | Slc37a1 | -0.007 | 1.008 | 3196 | 1741 | 1985 | 1808 | 4806 | 3533 |
| NM_026654 | Toe1 | 0.717 | 1.004 | 4560 | 3195 | 2674 | 162 | 131 | 29 |
| NM_013742 | Cars | 0.303 | 1.002 | 6900 | 5979 | 4150 | 927 | 943 | 386 |
| NR_003642 | 2900062L11Rik | -1.539 | 1.001 | 186 | 89 | 228 | 10 | 55 | 25 |
| NM_011943 | Map2k6 | 0.395 | 1.001 | 1615 | 3702 | 2170 | 6420 | 4425 | 3487 |
| NM_016876 | Eif3s4 | 0.303 | 1.001 | 3146 | 3232 | 4078 | 136 | 206 | 98 |
| NM_008102 | Gch1 | -0.319 | 1.001 | 3045 | 1104 | 3028 | 1905 | 1989 | 1320 |
| NM_025337 | Akr7a5 | -0.041 | 1.000 | 4980 | 3764 | 3963 | 324 | 223 | 55 |