

**Supplemental Table 1. The detailed expression data for the 283 genes with significant expression change between the parental and FGFR1 inhibitor resistant cell**

| gene          | BBC1-WT  | CEP2A-WT | ZNF-WT   | BBC1-R   | CEP2A-R  | ZNF-R    | BBC1 fc  | CEP2A fc | ZNF fc   | median fc  |
|---------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------------|
| Fas           | 8.412    | 8.276    | 3.751    | 0.149    | 0.950    | 0.652    | -56.2812 | -8.71544 | -5.7569  | -23.584511 |
| Inadl         | 1.673    | 1.212    | 0.490    | 0.051    | 0.112    | 0.339    | -32.6103 | -10.8584 | -1.44483 | -14.971162 |
| Bbc3          | 15.054   | 18.084   | 8.823    | 0.599    | 3.866    | 2.753    | -25.1141 | -4.67742 | -3.20489 | -10.998793 |
| Egr1          | 7.699    | 3.060    | 3.238    | 0.323    | 0.468    | 1.053    | -23.8437 | -6.53637 | -3.0746  | -11.151563 |
| E230016M11Rik | 1.599    | 0.780    | 0.776    | 0.129    | 0.154    | 0.180    | -12.4359 | -5.08043 | -4.32427 | -7.2801898 |
| Runx2         | 3.172    | 0.903    | 0.531    | 0.256    | 0.178    | 0.261    | -12.4107 | -5.06542 | -2.03805 | -6.5047046 |
| Rrad          | 3.600    | 5.863    | 2.384    | 0.312    | 0.754    | 1.444    | -11.5339 | -7.77465 | -1.65069 | -6.9864035 |
| Ier3          | 49.356   | 21.493   | 18.954   | 4.601    | 11.928   | 7.524    | -10.7262 | -1.80197 | -2.5191  | -5.0157397 |
| Slc25a2       | 1.119    | 1.099    | 0.443    | 0.124    | 0.346    | 0.170    | -9.00271 | -3.17103 | -2.60038 | -4.9247089 |
| H2-Q7,H2-Q9   | 74.310   | 31.624   | 30.802   | 8.612    | 19.618   | 6.306    | -8.62811 | -1.61199 | -4.88421 | -5.0414368 |
| Gadd45a       | 8.105    | 9.132    | 5.956    | 0.942    | 1.237    | 1.981    | -8.60146 | -7.38182 | -3.00746 | -6.3302458 |
| Hist1h1c      | 4.303    | 6.505    | 2.315    | 0.589    | 0.781    | 1.973    | -7.31201 | -8.32651 | -1.1734  | -5.6039729 |
| Gm19897       | 0.413    | 0.507    | 0.539    | 0.061    | 0.187    | 0.217    | -6.8255  | -2.70571 | -2.48266 | -4.0046224 |
| H2-Q2         | 109.552  | 42.517   | 34.353   | 19.171   | 19.473   | 17.611   | -5.71438 | -2.18343 | -1.95063 | -3.2828118 |
| InsI6         | 24.877   | 13.708   | 16.013   | 4.452    | 7.092    | 9.475    | -5.58803 | -1.93275 | -1.69009 | -3.0702899 |
| Pltp          | 6.556    | 6.137    | 2.783    | 1.216    | 2.425    | 1.223    | -5.39218 | -2.53108 | -2.27597 | -3.3997446 |
| Tmem71        | 4.948    | 9.823    | 2.579    | 0.954    | 1.496    | 1.779    | -5.1842  | -6.5668  | -1.44937 | -4.4001234 |
| Amy1          | 0.501    | 0.441    | 0.523    | 0.098    | 0.255    | 0.211    | -5.11964 | -1.73281 | -2.48272 | -3.1117197 |
| H2-K2         | 39.010   | 22.129   | 17.503   | 7.698    | 13.700   | 6.838    | -5.06767 | -1.61525 | -2.5597  | -3.0808759 |
| A130049A11Rik | 21.976   | 13.809   | 9.850    | 4.510    | 8.270    | 6.422    | -4.87288 | -1.66982 | -1.5338  | -2.6921671 |
| Sdcbp2        | 1.282    | 2.360    | 0.563    | 0.289    | 0.426    | 0.354    | -4.4337  | -5.54717 | -1.59278 | -3.8578838 |
| Dcdc2b        | 0.557    | 0.583    | 0.328    | 0.126    | 0.274    | 0.206    | -4.42062 | -2.12882 | -1.59163 | -2.7136899 |
| Gm10012       | 3.995    | 2.104    | 3.546    | 0.994    | 1.607    | 1.565    | -4.01767 | -1.3088  | -2.26566 | -2.530712  |
| Adamts6       | 3.050    | 2.908    | 1.370    | 0.800    | 0.824    | 0.755    | -3.81383 | -3.53085 | -1.81422 | -3.052967  |
| Cdo1          | 2.531    | 3.988    | 1.339    | 0.666    | 0.599    | 1.240    | -3.79723 | -6.65472 | -1.07997 | -3.8439729 |
| Dram2         | 17.379   | 8.739    | 8.004    | 4.752    | 5.997    | 4.808    | -3.65731 | -1.45726 | -1.6648  | -2.2597925 |
| Klf6          | 8.452    | 24.914   | 5.736    | 2.476    | 2.941    | 2.526    | -3.41406 | -8.47193 | -2.27059 | -4.7188612 |
| Gm8909        | 29.092   | 19.402   | 16.770   | 8.568    | 15.196   | 9.297    | -3.39554 | -1.2768  | -1.80378 | -2.1587061 |
| Mdfic         | 4.941    | 6.124    | 6.741    | 1.471    | 1.365    | 2.799    | -3.35863 | -4.48704 | -2.40842 | -3.4180289 |
| Rps26         | 6313.832 | 3595.708 | 3327.746 | 1894.235 | 2111.979 | 2526.317 | -3.33318 | -1.70253 | -1.31723 | -2.1176485 |
| Rad52         | 22.460   | 17.622   | 12.324   | 7.032    | 10.385   | 9.148    | -3.19386 | -1.69689 | -1.34709 | -2.0792819 |
| Gabre         | 1.352    | 1.578    | 0.769    | 0.436    | 0.695    | 0.403    | -3.10235 | -2.2715  | -1.90741 | -2.4270859 |
| 4921524J17Rik | 18.991   | 28.874   | 15.858   | 6.288    | 11.600   | 10.482   | -3.01992 | -2.48903 | -1.51291 | -2.3406205 |
| Cept1         | 25.948   | 19.219   | 16.463   | 8.649    | 12.870   | 12.981   | -3.00001 | -1.49327 | -1.26818 | -1.9204888 |
| Flot1         | 21.753   | 23.403   | 20.720   | 7.446    | 13.708   | 14.721   | -2.92154 | -1.70721 | -1.40755 | -2.012103  |

|               |          |          |         |         |         |         |          |          |          |            |
|---------------|----------|----------|---------|---------|---------|---------|----------|----------|----------|------------|
| Rwdd2a        | 1.260    | 1.567    | 1.529   | 0.444   | 0.680   | 1.038   | -2.83818 | -2.30468 | -1.47298 | -2.2052793 |
| Smad7         | 3.097    | 4.409    | 1.362   | 1.097   | 0.929   | 0.555   | -2.82174 | -4.74682 | -2.4553  | -3.3412868 |
| Gm6654        | 54.819   | 36.698   | 36.275  | 19.442  | 22.267  | 26.907  | -2.81956 | -1.64813 | -1.34819 | -1.9386257 |
| Rab13         | 2.053    | 3.147    | 1.119   | 0.745   | 0.422   | 0.540   | -2.75432 | -7.45666 | -2.07394 | -4.094973  |
| Fam13b        | 29.328   | 42.848   | 16.860  | 10.768  | 12.807  | 14.406  | -2.72373 | -3.3458  | -1.17038 | -2.4133029 |
| Gch1          | 17.428   | 12.019   | 10.128  | 6.399   | 6.976   | 8.523   | -2.72337 | -1.72295 | -1.18829 | -1.8782051 |
| Ifi204        | 9.712    | 7.364    | 5.111   | 3.581   | 3.567   | 1.748   | -2.71207 | -2.06438 | -2.92424 | -2.566898  |
| Bambi         | 2.297    | 2.856    | 1.802   | 0.848   | 1.685   | 1.044   | -2.70749 | -1.69494 | -1.72698 | -2.043136  |
| Pp2d1         | 1.184    | 0.858    | 0.620   | 0.444   | 0.365   | 0.520   | -2.66524 | -2.34898 | -1.19243 | -2.0688829 |
| Eaf2          | 2.078    | 2.544    | 1.118   | 0.784   | 0.602   | 0.950   | -2.65101 | -4.22783 | -1.17702 | -2.6852877 |
| 4933412E12Rik | 14.259   | 8.532    | 9.511   | 5.461   | 6.664   | 5.012   | -2.61112 | -1.28018 | -1.89781 | -1.9297043 |
| Chmp1b        | 22.363   | 24.312   | 19.214  | 8.587   | 13.602  | 16.372  | -2.60433 | -1.78734 | -1.1736  | -1.8550906 |
| Gm7334        | 39.232   | 46.257   | 30.034  | 15.325  | 26.685  | 21.755  | -2.55993 | -1.73348 | -1.38056 | -1.8913217 |
| Arhgap18      | 20.567   | 18.004   | 11.661  | 8.227   | 8.965   | 11.238  | -2.49987 | -2.00822 | -1.03767 | -1.8485873 |
| Ier5          | 18.748   | 30.005   | 13.298  | 7.661   | 4.531   | 5.316   | -2.44713 | -6.6216  | -2.50166 | -3.8567967 |
| Slc25a36      | 17.367   | 21.422   | 9.537   | 7.120   | 7.791   | 8.111   | -2.4391  | -2.74947 | -1.17578 | -2.1214485 |
| Lonp2         | 27.398   | 19.911   | 21.265  | 11.570  | 12.255  | 14.583  | -2.36796 | -1.6247  | -1.45822 | -1.8169594 |
| Pdp1          | 8.195    | 8.928    | 7.973   | 3.503   | 3.352   | 4.350   | -2.33937 | -2.66317 | -1.83275 | -2.2784313 |
| Mcl1          | 85.805   | 58.312   | 47.454  | 36.790  | 36.327  | 35.272  | -2.3323  | -1.60521 | -1.34536 | -1.7609547 |
| Gm15787       | 1.134    | 1.102    | 0.542   | 0.487   | 0.428   | 0.371   | -2.32941 | -2.57807 | -1.46258 | -2.1233547 |
| Kras          | 21.331   | 20.236   | 17.208  | 9.180   | 12.107  | 12.158  | -2.32374 | -1.67149 | -1.41541 | -1.8035481 |
| Fnbp4         | 70.241   | 87.858   | 43.837  | 30.295  | 39.502  | 30.348  | -2.3186  | -2.22415 | -1.44446 | -1.995737  |
| Nkiras1       | 3.333    | 4.629    | 2.796   | 1.452   | 2.017   | 2.216   | -2.2959  | -2.2952  | -1.26131 | -1.9508052 |
| Gimap9        | 67.868   | 45.578   | 38.666  | 29.564  | 26.493  | 19.963  | -2.29565 | -1.72035 | -1.93692 | -1.9843053 |
| Cnot4         | 21.818   | 17.186   | 12.986  | 9.679   | 11.570  | 10.242  | -2.25426 | -1.48531 | -1.26798 | -1.6691804 |
| Rpl31         | 1105.582 | 1101.452 | 874.197 | 490.728 | 693.806 | 743.172 | -2.25294 | -1.58755 | -1.17631 | -1.6722659 |
| Zfp945        | 2.948    | 2.588    | 3.147   | 1.324   | 2.124   | 1.800   | -2.22593 | -1.21854 | -1.74805 | -1.7308404 |
| Gm16675       | 2.706    | 2.139    | 1.755   | 1.221   | 1.537   | 1.070   | -2.21637 | -1.39174 | -1.64032 | -1.7494752 |
| AI504432      | 23.732   | 29.501   | 22.739  | 10.806  | 10.062  | 18.665  | -2.19609 | -2.93189 | -1.21828 | -2.1154213 |
| Cdkn2d        | 3.885    | 9.142    | 3.696   | 1.780   | 2.544   | 1.872   | -2.18287 | -3.59429 | -1.97498 | -2.5840503 |
| Laptm5        | 128.707  | 97.732   | 80.208  | 60.064  | 69.741  | 52.570  | -2.14284 | -1.40137 | -1.52575 | -1.6899858 |
| Ubc           | 15.457   | 14.439   | 9.923   | 7.337   | 7.053   | 7.289   | -2.10669 | -2.04704 | -1.36146 | -1.8383979 |
| Gm15708       | 0.694    | 0.699    | 0.632   | 0.330   | 0.392   | 0.269   | -2.10517 | -1.78514 | -2.3518  | -2.080705  |
| Rilpl1        | 11.282   | 7.893    | 8.743   | 5.462   | 4.901   | 6.280   | -2.06557 | -1.61054 | -1.39219 | -1.6894333 |
| Napg          | 12.653   | 7.868    | 8.550   | 6.163   | 5.677   | 6.579   | -2.05297 | -1.38594 | -1.29954 | -1.5794839 |
| Zfp51         | 6.798    | 6.216    | 5.798   | 3.340   | 4.487   | 3.894   | -2.0356  | -1.38529 | -1.48901 | -1.6366357 |
| Pik3r3        | 1.959    | 4.090    | 3.645   | 0.964   | 1.450   | 1.518   | -2.03308 | -2.8203  | -2.40109 | -2.4181548 |

|               |          |          |          |          |          |          |          |          |          |            |
|---------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------------|
| Rps19         | 2340.612 | 2449.870 | 1933.354 | 1153.091 | 1745.518 | 1280.614 | -2.02986 | -1.40352 | -1.50971 | -1.6476959 |
| Cntf          | 2.611    | 5.121    | 2.405    | 1.300    | 1.479    | 0.614    | -2.00946 | -3.46171 | -3.91745 | -3.1295406 |
| Slc44a2       | 61.242   | 46.031   | 52.787   | 30.846   | 44.423   | 34.180   | -1.9854  | -1.03621 | -1.54438 | -1.5219948 |
| Naca          | 1002.240 | 912.544  | 824.619  | 513.099  | 539.149  | 654.563  | -1.95331 | -1.69256 | -1.2598  | -1.635224  |
| Tax1bp1       | 78.234   | 61.151   | 75.454   | 40.118   | 56.585   | 51.057   | -1.95009 | -1.08069 | -1.47782 | -1.5028666 |
| 4921508A21Rik | 1.701    | 1.878    | 1.184    | 0.885    | 1.107    | 0.935    | -1.92296 | -1.69666 | -1.26681 | -1.6288081 |
| Zfpm1         | 19.867   | 17.792   | 14.173   | 10.409   | 12.884   | 12.131   | -1.90873 | -1.38086 | -1.16838 | -1.4859895 |
| Prg4          | 1.311    | 1.746    | 0.873    | 0.700    | 0.555    | 0.700    | -1.87382 | -3.147   | -1.24728 | -2.089368  |
| Pnrc2         | 64.112   | 75.203   | 52.419   | 34.308   | 41.964   | 39.695   | -1.86874 | -1.79207 | -1.32055 | -1.6604557 |
| Klhl9         | 20.898   | 20.167   | 14.227   | 11.415   | 11.629   | 13.491   | -1.83082 | -1.73423 | -1.05451 | -1.5398543 |
| A130077B15Rik | 17.486   | 15.207   | 12.557   | 9.606    | 10.927   | 10.648   | -1.82031 | -1.3916  | -1.17935 | -1.4637539 |
| Gpcpd1        | 11.577   | 11.526   | 8.065    | 6.442    | 6.303    | 5.567    | -1.797   | -1.82861 | -1.44858 | -1.6913951 |
| A830080D01Rik | 11.701   | 9.749    | 7.599    | 6.717    | 6.402    | 6.059    | -1.74213 | -1.52291 | -1.25424 | -1.5064265 |
| Nfatc3        | 33.200   | 27.829   | 21.755   | 19.440   | 19.487   | 18.643   | -1.70783 | -1.42808 | -1.16692 | -1.4342796 |
| Dgka          | 26.636   | 22.163   | 23.533   | 15.930   | 15.996   | 18.880   | -1.6721  | -1.38554 | -1.24646 | -1.4346981 |
| 2810403A07Rik | 33.350   | 33.666   | 29.099   | 20.100   | 24.443   | 23.716   | -1.65916 | -1.37732 | -1.22701 | -1.4211628 |
| Mical1        | 31.546   | 40.585   | 26.382   | 19.638   | 20.680   | 14.932   | -1.60634 | -1.96246 | -1.7668  | -1.7785339 |
| Wtap          | 57.690   | 47.568   | 49.574   | 36.229   | 40.697   | 37.391   | -1.59239 | -1.16883 | -1.3258  | -1.3623427 |
| Ppp1r35       | 42.325   | 46.691   | 44.216   | 26.705   | 34.364   | 30.551   | -1.5849  | -1.35872 | -1.4473  | -1.463639  |
| Cdk1          | 104.934  | 110.323  | 98.700   | 66.710   | 82.006   | 62.456   | -1.57299 | -1.3453  | -1.58032 | -1.4995328 |
| Asb13         | 7.127    | 6.951    | 8.129    | 4.535    | 6.126    | 4.502    | -1.57142 | -1.13466 | -1.80566 | -1.5039117 |
| Cnot7         | 29.831   | 34.232   | 28.578   | 19.213   | 25.237   | 23.584   | -1.55264 | -1.3564  | -1.21175 | -1.3735953 |
| Csrnp1        | 13.102   | 14.671   | 10.483   | 8.450    | 7.951    | 5.765    | -1.55054 | -1.84514 | -1.8184  | -1.7380278 |
| Rnf14         | 23.502   | 24.896   | 19.349   | 15.273   | 17.986   | 18.226   | -1.53882 | -1.38419 | -1.06163 | -1.3282136 |
| Cotl1         | 22.053   | 21.689   | 17.689   | 14.731   | 10.153   | 12.121   | -1.49706 | -2.13627 | -1.45936 | -1.6975618 |
| C330024D21Rik | 0.521    | 0.832    | 0.476    | 0.350    | 0.356    | 0.275    | -1.48838 | -2.33419 | -1.7302  | -1.8509218 |
| Gpsm3         | 45.799   | 38.035   | 40.706   | 30.917   | 28.230   | 20.449   | -1.48137 | -1.34733 | -1.99058 | -1.6064238 |
| Nrp           | 0.695    | 0.858    | 0.686    | 0.472    | 0.489    | 0.546    | -1.47119 | -1.75418 | -1.257   | -1.4941215 |
| Gm11974       | 49.846   | 50.276   | 63.512   | 34.416   | 32.486   | 28.676   | -1.44833 | -1.54764 | -2.21478 | -1.7369192 |
| 2210408F21Rik | 2.053    | 2.503    | 3.211    | 1.437    | 1.805    | 1.083    | -1.42886 | -1.38681 | -2.96453 | -1.9267358 |
| Ik            | 101.091  | 98.622   | 96.414   | 73.578   | 79.125   | 84.451   | -1.37392 | -1.24641 | -1.14166 | -1.253997  |
| Hsd1l2        | 12.098   | 15.504   | 14.090   | 8.845    | 9.308    | 8.677    | -1.36788 | -1.66559 | -1.62389 | -1.5524517 |
| Cdca3         | 65.017   | 72.084   | 75.831   | 48.220   | 60.453   | 52.984   | -1.34833 | -1.19239 | -1.4312  | -1.3239724 |
| Etnk1         | 20.483   | 27.524   | 20.762   | 15.450   | 16.947   | 16.716   | -1.32582 | -1.62416 | -1.24199 | -1.3973218 |
| Rhno1         | 37.168   | 30.875   | 40.474   | 28.122   | 27.829   | 26.754   | -1.32167 | -1.10947 | -1.5128  | -1.3146479 |
| Gt(ROSA)26Sor | 23.054   | 22.347   | 24.185   | 17.467   | 18.482   | 13.450   | -1.31984 | -1.20913 | -1.79814 | -1.4423723 |
| Il2rg         | 54.789   | 52.960   | 73.591   | 41.814   | 46.440   | 37.243   | -1.3103  | -1.14041 | -1.97599 | -1.4755671 |

|               |         |         |         |         |         |         |          |          |          |            |
|---------------|---------|---------|---------|---------|---------|---------|----------|----------|----------|------------|
| Ptp4a2        | 101.249 | 110.521 | 87.225  | 77.651  | 69.743  | 70.131  | -1.3039  | -1.58468 | -1.24374 | -1.3774407 |
| Vmn1r58       | 2.810   | 3.214   | 2.746   | 2.181   | 2.501   | 2.481   | -1.28844 | -1.28528 | -1.10694 | -1.2268865 |
| Hipk1         | 35.354  | 34.856  | 31.017  | 27.578  | 26.025  | 26.429  | -1.28195 | -1.33934 | -1.1736  | -1.2649652 |
| Psm8          | 118.493 | 161.058 | 141.402 | 94.150  | 104.073 | 104.907 | -1.25856 | -1.54755 | -1.34788 | -1.3846623 |
| Zfand5        | 8.773   | 8.747   | 9.087   | 7.011   | 6.271   | 5.567   | -1.25138 | -1.39488 | -1.63226 | -1.4261722 |
| Ulk1          | 13.449  | 12.085  | 11.481  | 10.750  | 9.818   | 10.726  | -1.2511  | -1.23087 | -1.07039 | -1.1841197 |
| Srsf11        | 96.020  | 94.878  | 87.653  | 77.441  | 77.555  | 70.952  | -1.23991 | -1.22336 | -1.23539 | -1.2328854 |
| Stx12         | 16.101  | 16.209  | 15.729  | 13.150  | 14.950  | 13.553  | -1.22441 | -1.08422 | -1.1605  | -1.1563752 |
| Srp14         | 126.693 | 130.485 | 134.491 | 104.086 | 107.266 | 96.709  | -1.2172  | -1.21646 | -1.39068 | -1.2747805 |
| Zfp207        | 129.226 | 142.514 | 126.651 | 110.579 | 116.283 | 119.303 | -1.16863 | -1.22558 | -1.06159 | -1.1519335 |
| Mob4          | 14.570  | 16.457  | 14.690  | 12.468  | 9.207   | 12.443  | -1.16862 | -1.78751 | -1.18061 | -1.3789123 |
| Ppil4         | 29.826  | 32.247  | 30.903  | 26.412  | 23.114  | 25.597  | -1.12926 | -1.39514 | -1.20728 | -1.2438917 |
| Smndc1        | 31.826  | 36.281  | 30.937  | 28.365  | 25.195  | 25.911  | -1.12204 | -1.44    | -1.19397 | -1.2520016 |
| Tfg           | 42.632  | 39.857  | 46.850  | 38.652  | 37.162  | 36.453  | -1.10296 | -1.07253 | -1.28522 | -1.1535695 |
| Setdb1        | 27.911  | 33.037  | 27.627  | 25.411  | 24.675  | 24.416  | -1.09837 | -1.33888 | -1.13151 | -1.1895828 |
| Ccar1         | 47.357  | 53.663  | 51.903  | 43.800  | 44.353  | 45.172  | -1.08121 | -1.20989 | -1.14902 | -1.146706  |
| Susd3         | 10.276  | 11.544  | 13.360  | 9.546   | 7.167   | 5.990   | -1.0765  | -1.61061 | -2.23026 | -1.6391224 |
| Pcnp          | 59.876  | 60.067  | 63.097  | 55.650  | 53.084  | 45.838  | -1.07594 | -1.13154 | -1.37654 | -1.1946715 |
| Ubl7          | 40.103  | 44.906  | 43.041  | 38.526  | 38.548  | 38.700  | -1.04093 | -1.16494 | -1.11218 | -1.106014  |
| Efcab14       | 11.455  | 12.026  | 11.453  | 12.250  | 13.869  | 13.545  | 1.069358 | 1.153282 | 1.182621 | 1.1350871  |
| Ddrgk1        | 31.729  | 27.223  | 31.833  | 34.372  | 36.586  | 37.236  | 1.083306 | 1.343915 | 1.169723 | 1.1989811  |
| Dlg1          | 11.973  | 11.781  | 11.703  | 13.501  | 13.852  | 14.381  | 1.127598 | 1.175848 | 1.228832 | 1.1774261  |
| Lrrc45        | 15.036  | 11.305  | 15.144  | 17.029  | 19.551  | 22.026  | 1.1326   | 1.729379 | 1.454402 | 1.4387934  |
| Gphn          | 15.939  | 11.228  | 12.808  | 18.349  | 16.790  | 21.562  | 1.151154 | 1.495298 | 1.683477 | 1.4433098  |
| Cpt2          | 5.477   | 3.944   | 5.310   | 6.364   | 7.827   | 7.745   | 1.161944 | 1.984449 | 1.458554 | 1.5349821  |
| Zfp963        | 0.948   | 0.921   | 0.797   | 1.104   | 1.409   | 1.818   | 1.165012 | 1.530359 | 2.280985 | 1.6587853  |
| Tshz1         | 4.455   | 3.949   | 3.421   | 5.249   | 5.416   | 4.867   | 1.178264 | 1.371667 | 1.422427 | 1.3241191  |
| C230035I16Rik | 0.661   | 0.734   | 0.728   | 0.780   | 1.032   | 0.962   | 1.18076  | 1.4067   | 1.320633 | 1.3026978  |
| Ttc21b        | 5.182   | 4.553   | 4.780   | 6.141   | 5.816   | 6.943   | 1.185006 | 1.277559 | 1.452342 | 1.3049689  |
| Rsph3b        | 1.120   | 0.860   | 1.013   | 1.337   | 1.524   | 1.227   | 1.19379  | 1.771767 | 1.210826 | 1.3921279  |
| Pofut2        | 9.309   | 8.194   | 9.839   | 11.141  | 10.754  | 12.646  | 1.196706 | 1.312417 | 1.285335 | 1.2648194  |
| Casd1         | 6.922   | 4.467   | 6.792   | 8.363   | 9.393   | 9.410   | 1.208173 | 2.102563 | 1.385532 | 1.5654225  |
| Actr5         | 7.952   | 7.091   | 8.486   | 9.787   | 8.925   | 9.423   | 1.230775 | 1.258711 | 1.11043  | 1.1999718  |
| Sap130        | 16.609  | 16.170  | 15.727  | 20.569  | 17.773  | 21.642  | 1.238446 | 1.099128 | 1.376133 | 1.2379025  |
| Arhgef7       | 8.418   | 7.541   | 9.780   | 10.471  | 11.630  | 12.245  | 1.243866 | 1.542189 | 1.25197  | 1.3460086  |
| Blcap         | 5.667   | 5.643   | 7.031   | 7.093   | 8.919   | 8.706   | 1.251697 | 1.580609 | 1.238201 | 1.3568356  |
| Rspry1        | 6.346   | 7.029   | 7.158   | 8.129   | 9.638   | 9.252   | 1.280859 | 1.371272 | 1.292649 | 1.3149269  |

|               |         |         |         |         |         |         |          |          |          |           |
|---------------|---------|---------|---------|---------|---------|---------|----------|----------|----------|-----------|
| Tex264        | 14.900  | 15.037  | 16.939  | 19.163  | 18.134  | 19.473  | 1.286125 | 1.205923 | 1.14959  | 1.2138794 |
| Rapgef6       | 6.939   | 7.402   | 6.479   | 9.034   | 8.460   | 9.746   | 1.301903 | 1.143012 | 1.504293 | 1.3164029 |
| Nap1l1        | 321.224 | 328.823 | 377.505 | 419.931 | 509.398 | 419.980 | 1.307285 | 1.549156 | 1.112515 | 1.3229854 |
| Prkcsh        | 53.760  | 57.897  | 53.026  | 71.855  | 64.088  | 67.056  | 1.336602 | 1.10693  | 1.264578 | 1.2360365 |
| Uap1l1        | 6.048   | 5.220   | 6.654   | 8.196   | 6.935   | 9.175   | 1.355121 | 1.328528 | 1.37894  | 1.3541966 |
| Fancd2        | 7.317   | 7.691   | 8.765   | 10.111  | 10.798  | 10.678  | 1.381837 | 1.403979 | 1.218229 | 1.3346818 |
| Sreb1         | 27.589  | 16.909  | 25.038  | 38.482  | 32.864  | 39.579  | 1.394813 | 1.943639 | 1.58078  | 1.6397439 |
| Solh          | 6.348   | 5.647   | 6.496   | 8.923   | 8.793   | 8.051   | 1.405523 | 1.556931 | 1.239411 | 1.4006218 |
| Pik3r4        | 4.649   | 3.774   | 5.151   | 6.631   | 5.903   | 7.632   | 1.426292 | 1.563896 | 1.481528 | 1.490572  |
| Ttyh3         | 20.370  | 18.792  | 22.665  | 29.179  | 25.725  | 24.145  | 1.432463 | 1.368966 | 1.065299 | 1.2889091 |
| Ep400         | 19.303  | 20.969  | 19.845  | 28.104  | 23.585  | 25.210  | 1.455967 | 1.12477  | 1.270372 | 1.2837032 |
| Lrp5          | 7.887   | 9.443   | 9.027   | 11.539  | 12.462  | 10.127  | 1.463118 | 1.31966  | 1.12177  | 1.3015161 |
| Pygb          | 15.967  | 15.435  | 12.364  | 23.381  | 20.357  | 26.486  | 1.464391 | 1.318878 | 2.142142 | 1.6418038 |
| D330050I16Rik | 3.256   | 3.890   | 4.075   | 4.791   | 4.846   | 5.518   | 1.471718 | 1.245824 | 1.354027 | 1.3571897 |
| Bud13         | 9.139   | 7.927   | 10.084  | 13.484  | 13.145  | 11.860  | 1.475468 | 1.658246 | 1.176128 | 1.4366139 |
| Alkbh7        | 6.656   | 5.854   | 8.818   | 9.906   | 10.132  | 13.570  | 1.488335 | 1.730636 | 1.538931 | 1.585967  |
| Gm16023       | 0.878   | 0.764   | 0.588   | 1.311   | 1.076   | 1.402   | 1.491953 | 1.407795 | 2.384651 | 1.7614663 |
| Nt5m          | 5.315   | 2.654   | 4.839   | 7.948   | 6.815   | 8.859   | 1.495474 | 2.568085 | 1.830862 | 1.9648069 |
| Xpo7          | 7.884   | 6.431   | 7.954   | 11.814  | 8.864   | 12.115  | 1.498363 | 1.378353 | 1.523024 | 1.4665798 |
| Fbxo3         | 19.626  | 20.880  | 15.849  | 29.528  | 23.913  | 25.407  | 1.504507 | 1.145239 | 1.603073 | 1.4176063 |
| Smarca4       | 52.488  | 42.055  | 58.853  | 79.239  | 64.059  | 70.192  | 1.509669 | 1.523221 | 1.192658 | 1.408516  |
| Tbc1d5        | 5.862   | 3.022   | 3.763   | 8.855   | 6.150   | 8.671   | 1.510644 | 2.035319 | 2.3045   | 1.9501545 |
| Rundc1        | 5.109   | 3.708   | 5.830   | 7.742   | 6.648   | 9.079   | 1.515242 | 1.792842 | 1.557405 | 1.6218294 |
| Gid4          | 7.873   | 5.598   | 6.533   | 11.946  | 9.141   | 11.010  | 1.5173   | 1.632959 | 1.685414 | 1.6118906 |
| 4933421O10Rik | 1.062   | 1.096   | 1.060   | 1.616   | 2.126   | 1.513   | 1.522124 | 1.939476 | 1.427395 | 1.629665  |
| Map4k5        | 1.747   | 1.220   | 1.988   | 2.681   | 2.829   | 3.273   | 1.534274 | 2.318019 | 1.646082 | 1.8327916 |
| BC030867      | 5.539   | 5.526   | 7.152   | 8.672   | 7.912   | 10.473  | 1.56564  | 1.431622 | 1.464244 | 1.4871688 |
| Tlk1          | 12.882  | 14.828  | 16.352  | 20.279  | 19.944  | 17.285  | 1.574244 | 1.345042 | 1.05704  | 1.3254422 |
| Ehmt1         | 12.561  | 12.732  | 14.999  | 20.021  | 15.998  | 18.585  | 1.593928 | 1.256504 | 1.239066 | 1.363166  |
| Ralgapa1      | 5.580   | 6.613   | 7.525   | 8.903   | 11.317  | 17.786  | 1.595506 | 1.711145 | 2.363666 | 1.8901055 |
| Akap9         | 7.425   | 7.139   | 7.618   | 11.865  | 10.321  | 10.548  | 1.598087 | 1.44563  | 1.384654 | 1.4761235 |
| Crlf3         | 19.492  | 20.219  | 26.486  | 31.400  | 26.659  | 32.727  | 1.610928 | 1.318564 | 1.23565  | 1.388381  |
| Kat2a         | 31.308  | 25.632  | 38.440  | 50.819  | 44.353  | 46.255  | 1.623195 | 1.730363 | 1.20328  | 1.5189463 |
| Fto           | 12.379  | 10.620  | 15.133  | 20.341  | 18.317  | 21.023  | 1.643174 | 1.724771 | 1.389208 | 1.5857175 |
| Scd2          | 123.740 | 100.418 | 139.494 | 203.398 | 177.417 | 237.410 | 1.643753 | 1.766786 | 1.701937 | 1.7041586 |
| 0610038B21Rik | 0.730   | 0.431   | 0.505   | 1.210   | 0.904   | 0.993   | 1.657878 | 2.097252 | 1.96701  | 1.90738   |
| Tlcd1         | 1.584   | 1.343   | 2.484   | 2.651   | 4.247   | 5.960   | 1.673707 | 3.162477 | 2.399264 | 2.411816  |

|               |         |         |         |         |         |         |          |          |          |           |
|---------------|---------|---------|---------|---------|---------|---------|----------|----------|----------|-----------|
| Amigo1        | 1.293   | 1.839   | 1.311   | 2.180   | 2.161   | 2.144   | 1.685995 | 1.175336 | 1.63566  | 1.4989969 |
| Foxk2         | 18.874  | 14.847  | 17.705  | 31.932  | 20.712  | 26.198  | 1.691875 | 1.39507  | 1.479695 | 1.522213  |
| Mrs2          | 5.996   | 7.165   | 7.881   | 10.166  | 8.697   | 9.330   | 1.695584 | 1.21373  | 1.183868 | 1.364394  |
| Pafah2        | 1.564   | 1.527   | 2.506   | 2.663   | 3.123   | 2.945   | 1.703211 | 2.045567 | 1.175139 | 1.6413057 |
| Bod1l         | 8.051   | 6.538   | 8.279   | 14.027  | 9.484   | 10.748  | 1.742113 | 1.450727 | 1.298197 | 1.4970124 |
| Ints3         | 16.668  | 12.755  | 19.839  | 29.113  | 22.763  | 24.110  | 1.746591 | 1.78474  | 1.215329 | 1.5822202 |
| Lipe          | 2.216   | 2.260   | 3.071   | 3.885   | 3.554   | 3.747   | 1.753452 | 1.572092 | 1.219988 | 1.5151773 |
| Impdh2        | 113.584 | 108.408 | 147.163 | 202.544 | 171.944 | 165.159 | 1.78321  | 1.586082 | 1.122286 | 1.4971927 |
| Sco1          | 1.653   | 0.976   | 2.318   | 2.958   | 3.180   | 3.550   | 1.789677 | 3.259463 | 1.531895 | 2.1936784 |
| Cep135        | 3.198   | 4.589   | 4.133   | 5.753   | 6.001   | 6.966   | 1.799155 | 1.307686 | 1.685451 | 1.5974306 |
| Ttll5         | 3.939   | 5.417   | 5.797   | 7.131   | 8.150   | 9.151   | 1.810437 | 1.504429 | 1.578472 | 1.6311129 |
| Smc6          | 12.714  | 13.656  | 19.650  | 23.201  | 23.192  | 26.907  | 1.824827 | 1.698273 | 1.369346 | 1.630815  |
| Ascc3         | 5.208   | 4.805   | 5.681   | 9.513   | 6.984   | 7.463   | 1.826572 | 1.453526 | 1.313601 | 1.5312331 |
| Zfp46         | 2.645   | 2.846   | 3.348   | 4.833   | 3.711   | 4.289   | 1.827556 | 1.303561 | 1.281237 | 1.4707844 |
| Ogdh          | 15.015  | 14.739  | 16.886  | 27.804  | 18.050  | 28.257  | 1.851727 | 1.224633 | 1.673347 | 1.5832356 |
| Trim25        | 17.548  | 18.916  | 18.228  | 32.560  | 25.963  | 22.210  | 1.855504 | 1.372591 | 1.218414 | 1.48217   |
| Erlin1        | 6.423   | 8.943   | 8.447   | 12.009  | 11.740  | 9.688   | 1.869704 | 1.312694 | 1.146946 | 1.4431148 |
| Tmed10        | 28.520  | 26.531  | 30.826  | 53.566  | 37.259  | 41.212  | 1.87816  | 1.404357 | 1.336957 | 1.5398244 |
| Dnajc27       | 2.905   | 2.715   | 3.943   | 5.507   | 4.659   | 6.310   | 1.89575  | 1.716075 | 1.600462 | 1.7374292 |
| Brip1         | 3.425   | 5.067   | 4.778   | 6.578   | 6.670   | 7.455   | 1.920513 | 1.316239 | 1.560383 | 1.5990451 |
| Flywch1       | 5.427   | 4.446   | 5.936   | 10.437  | 8.410   | 8.976   | 1.923306 | 1.891481 | 1.512268 | 1.7756851 |
| Tmem39a       | 8.158   | 6.211   | 11.653  | 15.794  | 15.058  | 12.661  | 1.935995 | 2.42453  | 1.086476 | 1.815667  |
| Ppif          | 20.583  | 13.822  | 23.878  | 40.576  | 30.205  | 31.468  | 1.97134  | 2.185185 | 1.317862 | 1.8247957 |
| Crtap         | 4.364   | 4.564   | 6.361   | 8.694   | 8.164   | 9.791   | 1.992122 | 1.788733 | 1.539323 | 1.7733926 |
| Kif1c         | 5.835   | 5.255   | 5.625   | 11.684  | 8.135   | 9.673   | 2.002458 | 1.548031 | 1.719595 | 1.7566945 |
| Thap2         | 2.746   | 3.565   | 5.251   | 5.517   | 8.500   | 7.973   | 2.009148 | 2.384097 | 1.518364 | 1.9705362 |
| Nup188        | 17.820  | 19.655  | 27.088  | 36.403  | 30.903  | 32.669  | 2.042835 | 1.57223  | 1.206014 | 1.6070264 |
| Atraid        | 10.808  | 13.277  | 12.094  | 22.167  | 15.623  | 15.989  | 2.051    | 1.176705 | 1.322115 | 1.5166069 |
| Kif24         | 4.715   | 3.993   | 3.755   | 9.684   | 6.067   | 5.623   | 2.054023 | 1.519298 | 1.497458 | 1.6902596 |
| Adat1         | 2.160   | 1.664   | 3.198   | 4.458   | 3.718   | 4.118   | 2.063487 | 2.234696 | 1.28781  | 1.8619979 |
| Ankfy1        | 6.175   | 8.532   | 8.970   | 13.100  | 11.842  | 14.746  | 2.121352 | 1.387893 | 1.643978 | 1.7177409 |
| C920009B18Rik | 0.851   | 0.812   | 0.928   | 1.814   | 1.132   | 1.446   | 2.131352 | 1.394144 | 1.558362 | 1.6946193 |
| Dgcr2         | 14.150  | 10.178  | 16.621  | 30.626  | 22.811  | 21.055  | 2.164343 | 2.241164 | 1.266788 | 1.8907648 |
| Rhot1         | 8.197   | 8.971   | 12.513  | 17.775  | 12.808  | 15.781  | 2.168498 | 1.427773 | 1.261136 | 1.6191357 |
| Atpaf2        | 10.354  | 10.782  | 14.886  | 22.480  | 14.908  | 20.136  | 2.171142 | 1.382604 | 1.352671 | 1.6354723 |
| Mettl25       | 1.989   | 1.370   | 3.149   | 4.321   | 3.896   | 4.311   | 2.172383 | 2.842957 | 1.368971 | 2.1281037 |
| Pomt2         | 1.783   | 0.940   | 2.041   | 3.907   | 2.762   | 3.808   | 2.190802 | 2.93965  | 1.865369 | 2.3319403 |

|               |        |        |        |        |        |        |          |          |          |           |
|---------------|--------|--------|--------|--------|--------|--------|----------|----------|----------|-----------|
| BC068281      | 2.593  | 1.727  | 2.541  | 5.699  | 3.762  | 4.422  | 2.197761 | 2.177682 | 1.74015  | 2.0385312 |
| Gm16119       | 0.308  | 0.437  | 0.440  | 0.678  | 0.660  | 0.848  | 2.198897 | 1.510743 | 1.928461 | 1.8793672 |
| AU022252      | 2.295  | 2.465  | 3.660  | 5.068  | 4.355  | 5.153  | 2.207842 | 1.766437 | 1.407797 | 1.7940254 |
| Hadha         | 19.038 | 21.423 | 28.457 | 42.173 | 32.221 | 34.798 | 2.215259 | 1.504035 | 1.222856 | 1.6473832 |
| Invs          | 1.536  | 0.967  | 2.262  | 3.423  | 2.826  | 3.879  | 2.228064 | 2.923352 | 1.714999 | 2.2888049 |
| Nbas          | 2.294  | 1.774  | 3.733  | 5.264  | 4.770  | 7.273  | 2.295286 | 2.689046 | 1.947965 | 2.3107656 |
| Mrm1          | 3.213  | 3.760  | 6.652  | 7.397  | 9.657  | 12.444 | 2.302539 | 2.56827  | 1.870662 | 2.2471572 |
| Ercc4         | 1.386  | 1.026  | 1.533  | 3.198  | 2.167  | 3.972  | 2.307643 | 2.112518 | 2.592048 | 2.3374028 |
| Cog5          | 5.672  | 6.479  | 9.707  | 13.154 | 10.370 | 17.751 | 2.319172 | 1.600497 | 1.828779 | 1.9161492 |
| Qser1         | 3.590  | 5.963  | 4.820  | 8.392  | 8.259  | 7.204  | 2.337625 | 1.385188 | 1.494677 | 1.7391633 |
| Zfp72         | 0.944  | 0.712  | 1.070  | 2.225  | 1.676  | 1.685  | 2.356839 | 2.352717 | 1.574546 | 2.094701  |
| Tmed3         | 6.320  | 5.313  | 9.527  | 14.940 | 21.350 | 14.246 | 2.363769 | 4.018732 | 1.495357 | 2.6259524 |
| Lig3          | 7.098  | 7.608  | 12.637 | 17.049 | 13.182 | 17.551 | 2.401783 | 1.732598 | 1.388845 | 1.8410754 |
| Nkiras2       | 2.765  | 2.779  | 3.123  | 6.652  | 4.894  | 6.821  | 2.405635 | 1.760971 | 2.184275 | 2.1169605 |
| 4933404O12Rik | 7.885  | 6.444  | 9.573  | 19.063 | 13.071 | 10.844 | 2.417725 | 2.028273 | 1.132722 | 1.8595732 |
| Kif16b        | 1.830  | 1.872  | 2.477  | 4.449  | 3.173  | 4.076  | 2.431373 | 1.695259 | 1.645197 | 1.9239428 |
| Gnat2         | 0.513  | 0.452  | 0.625  | 1.264  | 1.099  | 0.823  | 2.4613   | 2.432148 | 1.318234 | 2.0705603 |
| Camk2n2       | 1.451  | 1.253  | 2.223  | 3.573  | 2.809  | 2.674  | 2.462385 | 2.242144 | 1.202892 | 1.9691406 |
| Gm608         | 2.449  | 1.868  | 4.044  | 6.150  | 5.216  | 4.834  | 2.510653 | 2.792042 | 1.195528 | 2.1660744 |
| Larp1         | 28.498 | 35.208 | 43.472 | 71.862 | 46.331 | 58.381 | 2.521676 | 1.315943 | 1.342938 | 1.7268525 |
| Mtmr4         | 5.702  | 7.341  | 9.649  | 14.624 | 10.019 | 13.640 | 2.564706 | 1.364799 | 1.413638 | 1.7810478 |
| Myh10         | 16.021 | 27.454 | 29.684 | 42.423 | 42.304 | 63.462 | 2.647883 | 1.54091  | 2.137891 | 2.1088946 |
| Cdk6          | 8.806  | 13.620 | 12.695 | 23.417 | 21.287 | 26.157 | 2.659214 | 1.562938 | 2.060418 | 2.0941901 |
| Utp14b        | 2.380  | 3.480  | 3.103  | 6.369  | 3.776  | 7.164  | 2.675748 | 1.084884 | 2.308924 | 2.0231854 |
| Tex2          | 1.184  | 2.191  | 2.616  | 3.303  | 3.980  | 4.542  | 2.788616 | 1.816365 | 1.736078 | 2.1136864 |
| Coil          | 4.039  | 3.487  | 7.778  | 11.472 | 8.574  | 11.487 | 2.839993 | 2.458733 | 1.476784 | 2.2585032 |
| Pi4ka         | 6.721  | 8.060  | 10.254 | 19.592 | 14.418 | 15.071 | 2.915022 | 1.788775 | 1.469725 | 2.0578406 |
| Depdc5        | 4.699  | 4.192  | 7.951  | 13.905 | 9.285  | 11.708 | 2.959121 | 2.21487  | 1.472646 | 2.2155459 |
| Lpcat1        | 5.633  | 3.374  | 5.009  | 17.484 | 8.727  | 7.768  | 3.103941 | 2.586962 | 1.55088  | 2.4139275 |
| Gm15760       | 0.440  | 0.372  | 0.953  | 1.386  | 1.120  | 1.395  | 3.148157 | 3.011727 | 1.464044 | 2.5413095 |
| Zfp526        | 1.756  | 2.448  | 4.373  | 5.697  | 6.404  | 6.157  | 3.244621 | 2.616098 | 1.407966 | 2.4228951 |
| Rapgef1       | 8.846  | 11.509 | 18.513 | 28.880 | 24.557 | 21.073 | 3.264619 | 2.133723 | 1.138284 | 2.1788757 |
| Tdg           | 6.749  | 10.357 | 11.412 | 22.066 | 20.465 | 17.086 | 3.269706 | 1.975863 | 1.4972   | 2.2475899 |
| Lrrc49        | 1.055  | 0.992  | 2.753  | 3.490  | 3.987  | 4.756  | 3.30752  | 4.018099 | 1.727664 | 3.017761  |
| Fitm2         | 1.240  | 0.964  | 1.258  | 4.129  | 2.066  | 1.863  | 3.330299 | 2.143556 | 1.480107 | 2.3179873 |
| Plod1         | 1.306  | 2.552  | 2.859  | 4.361  | 7.555  | 5.365  | 3.339766 | 2.96047  | 1.876838 | 2.7256911 |
| Diap2         | 1.724  | 2.020  | 2.641  | 5.765  | 2.977  | 5.819  | 3.34339  | 1.473785 | 2.20344  | 2.3402051 |

|               |        |        |        |        |        |        |          |          |          |           |
|---------------|--------|--------|--------|--------|--------|--------|----------|----------|----------|-----------|
| Dag1          | 2.292  | 3.875  | 3.661  | 7.905  | 5.034  | 6.835  | 3.448522 | 1.298979 | 1.866884 | 2.2047947 |
| Akap1         | 6.863  | 4.788  | 12.386 | 24.283 | 14.017 | 17.884 | 3.538431 | 2.927592 | 1.443869 | 2.636631  |
| E130304I02Rik | 0.169  | 0.144  | 0.248  | 0.609  | 0.413  | 0.490  | 3.602151 | 2.866299 | 1.980174 | 2.8162079 |
| Glg1          | 5.108  | 10.473 | 6.326  | 18.770 | 10.847 | 16.046 | 3.674301 | 1.035683 | 2.536361 | 2.4154479 |
| Slc39a9       | 3.102  | 5.157  | 7.196  | 11.477 | 8.200  | 13.413 | 3.699771 | 1.590222 | 1.864071 | 2.3846879 |
| Aldh3b1       | 2.596  | 4.042  | 2.583  | 9.803  | 6.686  | 5.932  | 3.776437 | 1.653875 | 2.296693 | 2.5756682 |
| Iba57         | 0.530  | 0.669  | 1.322  | 2.053  | 1.609  | 2.204  | 3.87463  | 2.405619 | 1.667131 | 2.6491265 |
| Acaca         | 7.436  | 5.059  | 8.990  | 29.031 | 13.890 | 19.834 | 3.904033 | 2.745565 | 2.206152 | 2.9519165 |
| Arhgap39      | 0.915  | 0.905  | 2.129  | 3.600  | 4.277  | 6.543  | 3.934784 | 4.727339 | 3.072881 | 3.911668  |
| Gen1          | 2.538  | 3.309  | 6.423  | 10.019 | 6.843  | 10.321 | 3.948146 | 2.067898 | 1.606917 | 2.540987  |
| Kcnq1ot1      | 0.299  | 0.380  | 0.868  | 1.217  | 1.300  | 1.005  | 4.072077 | 3.420693 | 1.158591 | 2.8837871 |
| Nsf           | 3.092  | 3.903  | 6.981  | 14.641 | 7.513  | 15.228 | 4.734308 | 1.924664 | 2.181205 | 2.9467257 |
| Scd3          | 0.228  | 0.284  | 0.315  | 1.180  | 0.667  | 0.493  | 5.186505 | 2.344242 | 1.564697 | 3.0318147 |
| 4930577N17Rik | 0.304  | 0.686  | 0.771  | 1.802  | 1.012  | 1.509  | 5.92513  | 1.473687 | 1.958495 | 3.1191038 |
| Slfn9         | 3.840  | 4.661  | 12.163 | 24.030 | 17.043 | 16.851 | 6.2583   | 3.656674 | 1.385433 | 3.7668022 |
| Galr3         | 0.222  | 0.181  | 0.521  | 1.394  | 0.721  | 0.769  | 6.271902 | 3.989715 | 1.47537  | 3.9123289 |
| C2cd2         | 0.339  | 0.521  | 0.774  | 2.138  | 1.464  | 1.368  | 6.305308 | 2.810968 | 1.768109 | 3.6281285 |
| Fam120c       | 0.479  | 0.172  | 0.794  | 3.340  | 1.399  | 2.163  | 6.97292  | 8.143366 | 2.725439 | 5.9472413 |
| Hfe           | 0.444  | 0.800  | 1.697  | 3.204  | 4.236  | 3.388  | 7.217711 | 5.292834 | 1.996236 | 4.8355933 |
| Fads2         | 12.859 | 6.137  | 19.908 | 97.079 | 45.723 | 56.848 | 7.549257 | 7.450717 | 2.855572 | 5.9518486 |
| Cldn20        | 0.121  | 0.052  | 0.465  | 1.009  | 0.831  | 1.111  | 8.356036 | 16.12827 | 2.389162 | 8.9578234 |
| Skida1        | 0.122  | 0.230  | 0.457  | 1.104  | 0.667  | 0.627  | 9.058064 | 2.902065 | 1.369647 | 4.4432588 |
| Mia           | 0.148  | 0.064  | 0.328  | 1.462  | 0.410  | 0.939  | 9.852725 | 6.458589 | 2.862302 | 6.3912055 |
| Trim65        | 0.344  | 0.846  | 2.472  | 5.063  | 4.727  | 5.246  | 14.71534 | 5.588964 | 2.121976 | 7.4754277 |
| Sfxn5         | 0.078  | 0.073  | 0.252  | 1.177  | 1.661  | 0.992  | 15.16402 | 22.80774 | 3.936576 | 13.969447 |
| Gm10390       | 0.024  | 0.073  | 0.222  | 0.600  | 0.578  | 0.353  | 25.3426  | 7.884434 | 1.587852 | 11.604961 |