

# **Genes with activity-dependent exon usage identified through the FIRMA method.**

| geneName  | probesetID | fScore              | f0score             | FDR                | DE  |
|-----------|------------|---------------------|---------------------|--------------------|-----|
| Rcan1     | 4567413    | 444.582.794.189.453 | 0.344759613275528   |                    | 0 - |
| Dclk1     | 5144145    | 968.378.067.016.602 | 0.52497011423111    |                    | 0 - |
| Mt1       | 5480425    | 709.025.955.200.195 | 0.621032059192657   |                    | 0 + |
| Vmp1      | 4780502    | 501.396.141.052.246 | 0.54198831319809    |                    | 0 - |
| Ntf3      | 5239597    | 148.107.719.421.387 | 0.370917677879333   | 0.0666666666666667 | +   |
| Rheb      | 5489435    | 151.304.006.576.538 | 0.404361933469772   | 0.0714285714285714 | +   |
| Grik2     | 5235346    | 15.519.868.850.708  | 121.967.780.590.057 | 0.0769230769230769 | +   |
| Car2      | 4363942    | 16.081.901.550.293  | 0.346997320652008   | 0.0833333333333333 | -   |
| Homer1    | 5397705    | 161.636.638.641.357 | 0.581226289272308   | 0.0909090909090909 | +   |
| Nav2      | 4655500    | 169.553.165.435.791 | 0.84081643819809    | 0.1                | -   |
| Cyfp2     | 5021796    | 134.137.477.874.756 | 0.140903875231743   | 0.105263157894737  | -   |
| Hmgcs1    | 5180606    | 19.122.501.373.291  | 0.893704950809479   | 0.111111111111111  | +   |
| Kcnp4     | 5157280    | 139.248.809.814.453 | 0.671719372272491   | 0.111111111111111  | -   |
| Kif1b     | 5125179    | 144.353.475.570.679 | 0.483153700828552   | 0.117647058823529  | -   |
| Lats2     | 5106561    | 197.682.247.161.865 | 0.256945759057999   | 0.125              | -   |
| Chn1      | 4855558    | 146.951.456.069.946 | 0.109870821237564   | 0.125              | -   |
| Sertm1    | 5573324    | 204.109.687.805.176 | 0.747392535209656   | 0.142857142857143  | +   |
| Hcn1      | 5022633    | 124.642.887.115.479 | 364.745.879.173.279 | 0.142857142857143  | -   |
| Spred1    | 5596841    | 129.366.073.608.398 | 0.323668390512466   | 0.15               | -   |
| Mpv17l    | 4759141    | 113.677.825.927.734 | 0.328563868999481   | 0.153846153846154  | +   |
| Epb4.1l4b | 4830765    | 941.250.801.086.426 | 0.257142871618271   | 0.15625            | -   |
| Homer1    | 5099689    | 115.591.611.862.183 | 0.586897134780884   | 0.16               | +   |
| Abr       | 5471089    | 957.511.806.488.037 | 0.305998474359512   | 0.161290322580645  | -   |
| Dclk1     | 4895553    | 343.155.784.606.934 | 0.723257184028625   | 0.166666666666667  | -   |
| Rbl2      | 5447102    | 116.679.000.854.492 | 0.44045552611351    | 0.166666666666667  | -   |
| Rasgrf1   | 4535438    | 959.745.693.206.787 | 0.307280302047729   | 0.166666666666667  | -   |
| Col27a1   | 4828451    | 971.152.400.970.459 | 10.505.176.782.608  | 0.172413793103448  | -   |
| Lats2     | 5283052    | 116.751.956.939.697 | 0.94549959897995    | 0.173913043478261  | -   |
| Golga2    | 5189440    | 103.900.804.519.653 | 0.914161443710327   | 0.178571428571429  | -   |
| Adam15    | 5437318    | 121.897.230.148.315 | 0.164070054888725   | 0.181818181818182  | -   |
| R3hdm1    | 4953035    | 107.233.848.571.777 | 199.737.441.539.764 | 0.185185185185185  | +   |
| Raver2    | 4749916    | 742.785.978.317.261 | 0.308557778596878   | 0.195652173913043  | +   |
| Homer1    | 5049858    | 347.550.849.914.551 | 0.491658627986908   | 0.2                | +   |
| Prkcb     | 5164882    | 7.503.005.027.771   | 0.946676075458527   | 0.2                | -   |
| Map7      | 5295094    | 75.383.186.340.332  | 159.370.636.940.002 | 0.204545454545455  | -   |
| Slc36a1   | 4451683    | 755.315.065.383.911 | 0.782684862613678   | 0.209302325581395  | -   |
| Errfi1    | 4605188    | 888.826.656.341.553 | 100.439.953.804.016 | 0.212121212121212  | +   |
| Pde1a     | 4644192    | 727.731.657.028.198 | 0.429972976446152   | 0.212765957446808  | -   |
| Dnm1l     | 5481824    | 598.207.855.224.609 | 0.180213034152985   | 0.213114754098361  | -   |
| Kif1b     | 4738866    | 762.454.509.735.107 | 0.314740478992462   | 0.214285714285714  | -   |
| Arid5a    | 5454723    | 648.310.804.367.065 | 0.622977614402771   | 0.214285714285714  | +   |
| Prrc2a    | 4832191    | 691.376.972.198.486 | 0.581727564334869   | 0.215686274509804  | -   |
| Homer1    | 5231202    | 836.506.271.362.305 | 0.863182902336121   | 0.216216216216216  | +   |
| Jak1      | 5055286    | 598.247.337.341.309 | 227.634.310.722.351 | 0.216666666666667  | -   |
| Gna12     | 5412254    | 666.432.523.727.417 | 0.824824154376984   | 0.218181818181818  | -   |
| Erc1      | 4991499    | 77.222.695.350.647  | 0.543177962303162   | 0.219512195121951  | +   |
| Ankrd13c  | 4737063    | 691.872.549.057.007 | 0.766865611076355   | 0.22               | -   |
| Ints8     | 4373869    | 610.299.396.514.893 | 0.701506912708282   | 0.220338983050847  | -   |

|           |         |                     |                     |                   |   |
|-----------|---------|---------------------|---------------------|-------------------|---|
| Ptgds     | 4408859 | 851.396.465.301.514 | 0.346206158399582   | 0.222222222222222 | - |
| Errfi1    | 4558221 | 669.861.793.518.066 | 114.717.817.306.519 | 0.222222222222222 | + |
| Msmo1     | 5104399 | 633.639.574.050.903 | 0.671354174613953   | 0.224137931034483 | + |
| Plcg1     | 5491235 | 713.136.863.708.496 | 0.390589207410812   | 0.224489795918367 | - |
| Vmp1      | 4782304 | 796.803.760.528.564 | 0.643729090690613   | 0.225             | - |
| Egr1      | 4633715 | 597.258.806.228.638 | 0.727976143360138   | 0.225806451612903 | + |
| Prosc     | 5415115 | 674.414.014.816.284 | 0.714691877365112   | 0.226415094339623 | + |
| Dtna      | 4919815 | 634.728.813.171.387 | 0.545904517173767   | 0.228070175438597 | - |
| Rab6a     | 5590127 | 85.945.463.180.542  | 0.371126651763916   | 0.228571428571429 | - |
| Homer1    | 4889194 | 724.265.718.460.083 | 0.527361512184143   | 0.229166666666667 | + |
| Mbnl2     | 4849027 | 677.890.968.322.754 | 0.887720346450806   | 0.230769230769231 | - |
| Nfat5     | 4979992 | 801.226.997.375.488 | 0.798625409603119   | 0.230769230769231 | - |
| Erc1      | 5195361 | 870.497.417.449.951 | 0.830735862255096   | 0.235294117647059 | + |
| Col27a1   | 5159640 | 812.429.428.100.586 | 0.569792568683624   | 0.236842105263158 | - |
| Sep9      | 4348550 | 592.576.694.488.525 | 0.594299077987671   | 0.238095238095238 | - |
| Kif1a     | 5323399 | 581.170.797.348.022 | 0.24662820994854    | 0.238805970149254 | - |
| Kif5a     | 4525678 | 581.981.372.833.252 | 30.936.758.518.219  | 0.242424242424242 | - |
| Sep5      | 5200839 | 584.917.831.420.898 | 0.971312403678894   | 0.246153846153846 | - |
| Uhrf2     | 4384547 | 588.790.464.401.245 | 121.725.928.783.417 | 0.25              | - |
| Btf3      | 4579726 | 575.825.357.437.134 | 0.771148264408112   | 0.25              | - |
| Zfp318    | 5593701 | 567.770.481.109.619 | 0.510933876037598   | 0.257142857142857 | - |
| Slc24a4   | 4778380 | 56.961.464.881.897  | 0.81304520368576    | 0.260869565217391 | + |
| Ddx5      | 4323262 | 555.592.060.089.111 | 0.332314521074295   | 0.267605633802817 | + |
| Capza2    | 4902630 | 547.597.551.345.825 | 0.793530464172363   | 0.277777777777778 | - |
| Dgkz      | 5165507 | 532.782.745.361.328 | 0.302279770374298   | 0.283783783783784 | - |
| Ranbp2    | 4634020 | 521.471.786.499.023 | 0.310932904481888   | 0.2875            | + |
| Tesc      | 5371879 | 537.940.454.483.032 | 0.223368436098099   | 0.287671232876712 | - |
| Fgfr1     | 5228863 | 522.677.516.937.256 | 11.907.787.322.998  | 0.291139240506329 | - |
| Fth1      | 4414186 | 51.222.448.348.999  | 0.566493093967438   | 0.292682926829268 | - |
| Nt5c      | 4970708 | 531.786.346.435.547 | 0.489939600229263   | 0.293333333333333 | - |
| Grik2     | 4412758 | 524.970.245.361.328 | 107.270.109.653.473 | 0.294871794871795 | + |
| Mast3     | 5047905 | 513.801.383.972.168 | 0.568446576595306   | 0.296296296296296 | - |
| Psd3      | 5060935 | 509.692.907.333.374 | 0.784289300441742   | 0.297619047619048 | - |
| Runx2     | 5290904 | 526.287.698.745.728 | 0.634175002574921   | 0.298701298701299 | - |
| Mpc2      | 4704910 | 508.220.052.719.116 | 0.43385249376297    | 0.298850574712644 | - |
| Tnfrsf12a | 5104152 | 509.967.565.536.499 | 0.54179322719574    | 0.301204819277108 | - |
| Nudt9     | 5099848 | 508.297.872.543.335 | 0.829665064811707   | 0.302325581395349 | - |
| Dnajb5    | 5601267 | 528.030.395.507.812 | 0.414490103721619   | 0.302631578947368 | + |
| Cyfp2     | 4834997 | 509.381.198.883.057 | 0.283698052167892   | 0.305882352941176 | - |
| Parp6     | 4643370 | 504.007.863.998.413 | 504.007.863.998.413 | 0.329545454545455 | - |
| Egr1      | 5344741 | 471.339.654.922.485 | 0.873186409473419   | 0.356435643564356 | + |
| Nr4a1     | 5597794 | 492.761.659.622.192 | 0.550353467464447   | 0.359550561797753 | + |
| Map2      | 4785961 | 47.138.934.135.437  | 0.262425810098648   | 0.36              | - |
| R3hdm1    | 5156487 | 484.483.051.300.049 | 0.449324607849121   | 0.361702127659574 | + |
| Kat6b     | 4652241 | 48.800.687.789.917  | 0.712228536605835   | 0.362637362637363 | - |
| Syn2      | 4321117 | 471.826.171.875     | 0.437313288450241   | 0.363636363636364 | - |
| Baiap2    | 4625866 | 485.954.141.616.821 | 0.824180722236633   | 0.365591397849462 | - |
| Arpp21    | 4819053 | 488.416.385.650.635 | 0.46011084318161    | 0.366666666666667 | - |
| lvns1abp  | 4783731 | 476.064.157.485.962 | 0.5750892162323     | 0.36734693877551  | + |
| Cdk14     | 4916982 | 487.121.868.133.545 | 0.532153189182281   | 0.369565217391304 | + |

|          |         |                     |                     |                   |   |
|----------|---------|---------------------|---------------------|-------------------|---|
| Brinp1   | 4608671 | 430.780.363.082.886 | 0.562350392341614   | 0.370689655172414 | + |
| Cacna2d1 | 4589487 | 476.104.402.542.114 | 0.718649089336395   | 0.371134020618557 | - |
| Csnk2a2  | 5485429 | 431.308.078.765.869 | 0.700520217418671   | 0.373913043478261 | - |
| Mical2   | 5486707 | 477.188.444.137.573 | 104.855.036.735.535 | 0.375             | - |
| Arl14ep  | 4792483 | 429.749.202.728.271 | 0.999771773815155   | 0.376068376068376 | - |
| Fezf2    | 5090183 | 431.515.216.827.393 | 0.418081402778625   | 0.37719298245614  | + |
| Poli     | 4518491 | 480.732.297.897.339 | 0.460026562213898   | 0.378947368421053 | - |
| Serinc5  | 4739371 | 432.925.939.559.937 | 131.651.282.310.486 | 0.380530973451327 | - |
| Klc1     | 5367115 | 452.605.152.130.127 | 0.756637871265411   | 0.380952380952381 | - |
| Arpp21   | 4780785 | 462.135.219.573.975 | 0.507557094097137   | 0.382352941176471 | - |
| Trappc13 | 4757210 | 446.702.098.846.436 | 0.172503501176834   | 0.383177570093458 | - |
| Pde1b    | 4448691 | 424.253.845.214.844 | 0.853988409042358   | 0.383333333333333 | - |
| Arhgef12 | 4635406 | 433.928.966.522.217 | 0.695422947406769   | 0.383928571428571 | - |
| Psd3     | 5147321 | 453.851.890.563.965 | 0.759846270084381   | 0.384615384615385 | - |
| Drd4     | 5128943 | 440.777.063.369.751 | 0.681343734264374   | 0.385321100917431 | + |
| Olfml2b  | 4414832 | 425.536.060.333.252 | 0.741023778915405   | 0.386554621848739 | + |
| Acadm    | 5283374 | 451.009.845.733.643 | 0.89716625213623    | 0.386792452830189 | - |
| Gspt1    | 4313074 | 436.560.487.747.192 | 0.780334949493408   | 0.387387387387387 | - |
| Tsc22d1  | 5551896 | 454.256.868.362.427 | 0.385905206203461   | 0.388349514563107 | - |
| Sh3glb2  | 4682439 | 44.232.029.914.856  | 0.48603543639183    | 0.388888888888889 | - |
| Xiap     | 4556038 | 428.335.332.870.483 | 0.539761960506439   | 0.389830508474576 | - |
| Papolg   | 4688963 | 437.589.311.599.731 | 10.430.029.630.661  | 0.390909090909091 | - |
| Mkl2     | 5475988 | 417.629.098.892.212 | 0.764750361442566   | 0.40495867768595  | - |
| Mapk1    | 4891855 | 412.194.299.697.876 | 0.211011856794357   | 0.422764227642276 | - |
| Col27a1  | 5242268 | 412.468.194.961.548 | 0.558513820171356   | 0.426229508196721 | - |
| Zfp318   | 5069922 | 411.067.676.544.189 | 0.575087428092957   | 0.42741935483871  | - |
| Myl12b   | 4339917 | 381.223.344.802.856 | 137.813.007.831.573 | 0.428571428571429 | - |
| Rasgrf1  | 4626770 | 378.076.171.875     | 0.136711224913597   | 0.431137724550898 | - |
| Abhd17c  | 5114789 | 381.303.906.440.735 | 0.662821590900421   | 0.43125           | - |
| Cygb     | 5484185 | 377.306.175.231.934 | 112.671.661.376.953 | 0.431952662721893 | + |
| Crbn     | 5099556 | 375.335.359.573.364 | 0.93275386095047    | 0.433526011560694 | - |
| Nr4a2    | 4719027 | 378.142.428.398.132 | 110.800.099.372.864 | 0.433734939759036 | + |
| Nedd4l   | 4836449 | 381.380.891.799.927 | 0.516821384429932   | 0.433962264150943 | - |
| Nfia     | 4593139 | 377.692.317.962.646 | 0.619429707527161   | 0.43452380952381  | - |
| Arhgap12 | 4926509 | 375.500.559.806.824 | 0.535576403141022   | 0.436046511627907 | + |
| Slc50a1  | 5361942 | 378.261.256.217.957 | 0.992694020271301   | 0.436363636363636 | - |
| Cdk14    | 5339288 | 382.124.423.980.713 | 0.65151172876358    | 0.436708860759494 | + |
| Gigyf2   | 4668976 | 374.148.392.677.307 | 0.655776143074036   | 0.436781609195402 | - |
| Shisa5   | 4368572 | 378.755.187.988.281 | 0.535433948040009   | 0.438271604938272 | - |
| Olfm1    | 5533311 | 375.644.063.949.585 | 0.822599649429321   | 0.43859649122807  | - |
| Ints6    | 4361337 | 378.279.852.867.126 | 0.857430696487427   | 0.439024390243902 | + |
| Pdcd4    | 5375380 | 383.753.848.075.867 | 0.613311290740967   | 0.439490445859873 | + |
| Tcf25    | 4474575 | 40.786.075.592.041  | 0.91341632604599    | 0.44              | - |
| Bdnf     | 5325572 | 375.645.089.149.475 | 0.652423202991486   | 0.441176470588235 | + |
| Slc35b1  | 4912253 | 378.346.920.013.428 | 0.265401631593704   | 0.441717791411043 | - |
| Abhd12   | 4449101 | 384.531.474.113.464 | 0.494602262973785   | 0.442307692307692 | - |
| Crtac1   | 4336183 | 373.528.170.585.632 | 0.670258462429047   | 0.443181818181818 | + |
| Ankrd13c | 5010119 | 38.644.323.348.999  | 0.750117182731628   | 0.444444444444444 | - |
| Nudt9    | 4383390 | 384.767.007.827.759 | 0.688529491424561   | 0.445161290322581 | - |
| Reps2    | 4598343 | 373.685.097.694.397 | 117.249.250.411.987 | 0.445714285714286 | - |

|          |         |                     |                     |                   |   |
|----------|---------|---------------------|---------------------|-------------------|---|
| Ap3m1    | 4385199 | 387.350.654.602.051 | 0.646839678287506   | 0.447368421052632 | - |
| Mkrn1    | 4749056 | 385.059.356.689.453 | 0.864354729652405   | 0.448051948051948 | - |
| Phf11a   | 5327416 | 372.305.512.428.284 | 0.807568311691284   | 0.449438202247191 | - |
| Gpr12    | 5201634 | 388.482.236.862.183 | 0.797658741474152   | 0.449664429530201 | + |
| Slc6a11  | 5015234 | 387.460.136.413.574 | 0.538369655609131   | 0.450331125827815 | - |
| Rasgrf1  | 4640486 | 367.052.841.186.523 | 0.34768995642662    | 0.450549450549451 | - |
| Nufip1   | 4967144 | 365.181.994.438.171 | 0.765884935855865   | 0.451086956521739 | - |
| Htra1    | 5370968 | 372.431.087.493.896 | 372.431.087.493.896 | 0.451977401129943 | - |
| Syne1    | 5212348 | 371.443.605.422.974 | 103.719.115.257.263 | 0.452513966480447 | - |
| Lta4h    | 4499930 | 389.852.929.115.295 | 0.447315633296967   | 0.452702702702703 | - |
| Mfap3    | 4342030 | 367.819.237.709.045 | 0.556497097015381   | 0.453038674033149 | - |
| Ptov1    | 4683762 | 387.593.603.134.155 | 0.271024614572525   | 0.453333333333333 | - |
| Atp1a3   | 5385869 | 366.925.072.669.983 | 0.874972224235535   | 0.453551912568306 | - |
| Smyd3    | 4605639 | 39.317.262.172.699  | 0.650407552719116   | 0.453900709219858 | - |
| Flywch1  | 4905464 | 342.537.045.478.821 | 0.386619985103607   | 0.455357142857143 | - |
| Ndel1    | 4611908 | 369.829.273.223.877 | 0.472517997026443   | 0.455555555555556 | + |
| Cds2     | 5537685 | 390.294.122.695.923 | 0.250863671302795   | 0.45578231292517  | - |
| Tmx2     | 4400468 | 3.936.518.907.547   | 0.64613151550293    | 0.457142857142857 | - |
| Tmod2    | 4341567 | 402.539.491.653.442 | 0.527269005775452   | 0.457364341085271 | - |
| Col4a1   | 5125333 | 34.292.266.368.866  | 118.974.208.831.787 | 0.457399103139013 | + |
| Slc25a11 | 5118117 | 341.781.258.583.069 | 136.104.226.112.366 | 0.457777777777778 | - |
| Mapre3   | 5135577 | 401.011.991.500.854 | 0.917632818222046   | 0.458015267175573 | - |
| Cda      | 4989372 | 391.379.523.277.283 | 0.782387733459473   | 0.458333333333333 | + |
| Pak3     | 4600790 | 390.616.774.559.021 | 0.161671072244644   | 0.458904109589041 | - |
| Calb1    | 4998914 | 342.927.551.269.531 | 0.687267899513245   | 0.459459459459459 | + |
| Rbfox1   | 5373397 | 397.861.123.085.022 | 0.73223751783371    | 0.45985401459854  | - |
| Atp13a1  | 5237776 | 394.617.366.790.771 | 0.791016221046448   | 0.460431654676259 | - |
| Ndel1    | 5264936 | 403.267.240.524.292 | 0.820062696933746   | 0.4609375         | + |
| Ptpn     | 4578524 | 401.310.539.245.605 | 0.808985233306885   | 0.461538461538462 | - |
| Faf1     | 5070777 | 391.796.827.316.284 | 111.833.715.438.843 | 0.461538461538462 | - |
| Dock3    | 5391390 | 342.977.142.333.984 | 0.636410117149353   | 0.461538461538462 | + |
| Egr1     | 4902102 | 390.855.145.454.407 | 0.661017894744873   | 0.462068965517241 | + |
| Rsb1     | 4644086 | 363.474.202.156.067 | 0.680656790733337   | 0.462365591397849 | - |
| Col27a1  | 4961871 | 399.865.984.916.687 | 0.664934515953064   | 0.462686567164179 | - |
| Bola1    | 5161234 | 361.389.803.886.414 | 0.622151970863342   | 0.463157894736842 | - |
| Mgll     | 5292727 | 398.310.279.846.191 | 0.646293342113495   | 0.463235294117647 | - |
| Tsc22d1  | 5306568 | 360.636.281.967.163 | 0.544821858406067   | 0.463541666666667 | - |
| Rasgrf1  | 5038873 | 343.193.411.827.087 | 0.322417438030243   | 0.463636363636364 | - |
| Prdm8    | 4775568 | 394.944.643.974.304 | 0.807953476905823   | 0.463768115942029 | + |
| Arpp21   | 4757464 | 404.177.570.343.018 | 0.496552526950836   | 0.464566929133858 | - |
| Setd8    | 4443806 | 39.201.226.234.436  | 250.906.658.172.607 | 0.464788732394366 | + |
| Ppargc1a | 5420393 | 363.593.816.757.202 | 0.827559173107147   | 0.464864864864865 | - |
| Dgcr2    | 5015151 | 362.012.577.056.885 | 0.908524751663208   | 0.465608465608466 | - |
| Eif3a    | 5062418 | 34.334.704.875.946  | 0.670114874839783   | 0.465753424657534 | - |
| Sf3b1    | 5163733 | 360.858.511.924.744 | 360.858.511.924.744 | 0.465968586387435 | - |
| Csnk2b   | 5610861 | 400.082.921.981.812 | 0.29217529296875    | 0.466165413533835 | - |
| Elk3     | 4511354 | 358.354.210.853.577 | 0.68811696767807    | 0.466321243523316 | - |
| Syn1     | 5150087 | 357.049.250.602.722 | 0.716859936714172   | 0.466666666666667 | - |
| Usp2     | 5333440 | 398.530.793.190.002 | 0.520991444587708   | 0.466666666666667 | + |
| Acsl3    | 5568851 | 343.352.723.121.643 | 0.829928755760193   | 0.467889908256881 | - |

|               |         |                     |                     |                   |   |
|---------------|---------|---------------------|---------------------|-------------------|---|
| Homer1        | 4725497 | 362.321.066.856.384 | 0.40749853849411    | 0.468085106382979 | + |
| Morf4l1       | 4321486 | 404.224.252.700.806 | 125.675.976.276.398 | 0.468253968253968 | - |
| Lphn3         | 5301240 | 341.227.054.595.947 | 10.117.654.800.415  | 0.469026548672566 | + |
| Fam107a       | 4667975 | 357.318.735.122.681 | 0.573965072631836   | 0.469072164948454 | - |
| Rph3a         | 5598023 | 400.394.296.646.118 | 0.329240798950195   | 0.46969696969697  | - |
| Ankrd13c      | 5385942 | 339.312.672.615.051 | 0.656331777572632   | 0.469827586206897 | - |
| Prelp         | 5198699 | 353.058.576.583.862 | 0.825815498828888   | 0.47              | - |
| Cdk11b        | 4904061 | 344.116.568.565.369 | 0.691078782081604   | 0.470046082949309 | + |
| Erc1          | 5339426 | 352.710.866.928.101 | 0.607132315635681   | 0.47029702970297  | + |
| Tro           | 4638069 | 362.501.239.776.611 | 0.637295365333557   | 0.470588235294118 | - |
| Pcdhac1       | 5076863 | 340.864.872.932.434 | 0.287958115339279   | 0.47136563876652  | - |
| Glp1r         | 4901893 | 339.702.320.098.877 | 0.471303522586823   | 0.471861471861472 | - |
| Dgkb          | 4727679 | 345.090.079.307.556 | 0.497616142034531   | 0.472222222222222 | - |
| Ccnk          | 5236496 | 353.084.683.418.274 | 0.478174924850464   | 0.472361809045226 | + |
| Fam220a       | 5146409 | 352.897.071.838.379 | 0.569362282752991   | 0.472636815920398 | - |
| Tmem160       | 5024430 | 336.654.758.453.369 | 0.985447764396667   | 0.473029045643154 | - |
| Top3b         | 4371036 | 336.189.937.591.553 | 0.684044003486633   | 0.473251028806584 | - |
| Tub           | 5053018 | 349.909.639.358.521 | 0.774954855442047   | 0.473429951690821 | - |
| Nbn           | 4985548 | 339.726.972.579.956 | 0.551075220108032   | 0.473913043478261 | - |
| Zmym2         | 5416364 | 337.687.110.900.879 | 0.843580961227417   | 0.474358974358974 | - |
| Kcnab2        | 4814113 | 345.207.524.299.622 | 0.445600897073746   | 0.474418604651163 | - |
| Nf1           | 5339528 | 353.428.483.009.338 | 0.364236265420914   | 0.474747474747475 | - |
| Rab36         | 4885679 | 336.667.513.847.351 | 0.560925543308258   | 0.475             | - |
| Frmd6         | 5220411 | 336.197.948.455.811 | 0.909384727478027   | 0.475206611570248 | + |
| Mbd2          | 5192205 | 350.401.592.254.639 | 151.151.669.025.421 | 0.475728155339806 | - |
| Gabrg2        | 5608111 | 339.934.134.483.337 | 0.826101958751678   | 0.475982532751092 | - |
| Rgl1          | 4919569 | 337.745.404.243.469 | 0.829007148742676   | 0.476394849785408 | - |
| Zbtb3         | 4361528 | 346.026.730.537.415 | 0.778062880039215   | 0.476635514018692 | - |
| Cntn2         | 4373088 | 336.697.554.588.318 | 0.767853975296021   | 0.476987447698745 | - |
| Erc1          | 4913667 | 353.651.356.697.083 | 0.956008911132812   | 0.477157360406091 | + |
| Lrrc59        | 5165530 | 350.523.567.199.707 | 0.61638468503952    | 0.478048780487805 | - |
| Nfkbiz        | 5125302 | 340.444.660.186.768 | 0.695339262485504   | 0.478070175438597 | + |
| Apbb1         | 5391818 | 329.228.687.286.377 | 0.559107661247253   | 0.47843137254902  | - |
| Gabra2        | 5335661 | 347.117.972.373.962 | 0.701231479644775   | 0.478468899521531 | - |
| Arcn1         | 5602508 | 346.158.337.593.079 | 0.816297769546509   | 0.47887323943662  | - |
| Cecr6         | 5157526 | 336.803.579.330.444 | 11.737.722.158.432  | 0.478991596638655 | - |
| Epha10        | 4367159 | 353.992.033.004.761 | 0.474608451128006   | 0.479591836734694 | + |
| Pim3          | 4822432 | 329.228.973.388.672 | 0.633493602275848   | 0.480314960629921 | + |
| Ptprn         | 4429051 | 35.094.428.062.439  | 0.502884685993195   | 0.480392156862745 | - |
| Polr2a        | 4978159 | 329.144.239.425.659 | 329.144.239.425.659 | 0.48046875        | - |
| Hbegf         | 5346601 | 347.463.297.843.933 | 0.787609100341797   | 0.480769230769231 | + |
| C1ql2         | 4555494 | 337.405.562.400.818 | 0.700283646583557   | 0.480851063829787 | - |
| 4932438A13Rik | 5532936 | 347.033.023.834.229 | 0.702878594398499   | 0.480952380952381 | - |
| Timp3         | 4526081 | 337.093.615.531.921 | 0.804566860198975   | 0.481012658227848 | - |
| Bmper         | 4733381 | 346.413.946.151.733 | 145.904.588.699.341 | 0.481132075471698 | - |
| Tpp2          | 4471432 | 329.598.832.130.432 | 0.685061156749725   | 0.482213438735178 | - |
| Wdr3          | 4671213 | 351.852.607.727.051 | 120.687.294.006.348 | 0.482758620689655 | - |
| Abr           | 5613928 | 337.140.655.517.578 | 287.385.296.821.594 | 0.483050847457627 | - |
| Ranbp2        | 4541074 | 346.467.471.122.742 | 0.70392382144928    | 0.483412322274882 | + |
| Vmp1          | 5460685 | 329.767.751.693.726 | 0.656900763511658   | 0.484126984126984 | - |