# Table (S1) RNA-seq EdgeR DEG Analysis in mPFC of Df(h15q13)/+ mice vs wild type mice

| GeneID | logFC | logCPM | F | PValue | FDR |
|---|---|---|---|---|---|
| ENSMUSG00000030522 | -1.279546096 | 3.73939823 | 294.6201304 | 8.73E-12 | 2.13E-07 |
| ENSMUSG00000052040 | -1.057817796 | 7.369617629 | 238.3695712 | 4.39E-11 | 5.04E-07 |
| ENSMUSG00000033510 | -1.012309502 | 4.728333205 | 227.8129102 | 6.19E-11 | 5.04E-07 |
| ENSMUSG00000030525 | -1.10438742 | 2.913942555 | 62.0586444 | 6.42E-07 | 0.003918371 |
| ENSMUSG00000020357 | -0.717144127 | 1.711220451 | 46.97990792 | 3.71E-06 | 0.018136921 |
| ENSMUSG00000033458 | -1.200273499 | 1.958916974 | 45.30688201 | 4.63E-06 | 0.018846654 |
| ENSMUSG00000008398 | -0.540350228 | 3.126454951 | 37.43607431 | 1.43E-05 | 0.049938441 |
| ENSMUSG00000064120 | 0.484805375 | 2.575981339 | 31.48568191 | 3.79E-05 | 0.115636743 |
| ENSMUSG00000002885 | -0.573893231 | 3.242580719 | 29.49020198 | 5.40E-05 | 0.122125022 |
| ENSMUSG00000026483 | -0.792474891 | 1.618769041 | 29.45077908 | 5.44E-05 | 0.122125022 |
| ENSMUSG00000030235 | -0.447400531 | 5.436580308 | 29.07145503 | 5.83E-05 | 0.122125022 |
| ENSMUSG00000031825 | -0.887359563 | 1.315562534 | 28.91554747 | 6.00E-05 | 0.122125022 |
| ENSMUSG00000027901 | 1.251222026 | -1.479624522 | 27.17969849 | 8.32E-05 | 0.145964676 |
| ENSMUSG00000025324 | -0.564140221 | 3.731405252 | 26.94615755 | 8.70E-05 | 0.145964676 |
| ENSMUSG00000016087 | -0.672490419 | 2.30045487 | 26.79092456 | 8.97E-05 | 0.145964676 |
| ENSMUSG00000002831 | -0.809169698 | 1.153152084 | 25.85523816 | 0.000107712 | 0.157099719 |
| ENSMUSG00000062252 | 0.710902875 | 1.781328473 | 25.77850367 | 0.000109365 | 0.157099719 |
| ENSMUSG00000053897 | -0.92129098 | 1.907796105 | 24.89656765 | 0.00013057 | 0.177140346 |
| ENSMUSG00000116275 | -8.016019791 | 4.286082647 | 25.38132298 | 0.000138528 | 0.178045488 |
| ENSMUSG00000039031 | -0.363372013 | 2.967221198 | 23.8982137 | 0.00016036 | 0.191568297 |
| ENSMUSG00000041134 | -0.584643692 | 3.132888473 | 23.7692494 | 0.000164739 | 0.191568297 |
| ENSMUSG00000039167 | -0.617247926 | 4.10708714 | 23.51958383 | 0.000173605 | 0.192701268 |
| ENSMUSG00000021904 | -0.647164142 | 2.103476369 | 22.52489015 | 0.000214677 | 0.227930467 |
| ENSMUSG00000015766 | -0.364805435 | 4.925103759 | 21.84724562 | 0.000248921 | 0.25093923 |
| ENSMUSG00000034738 | -1.042622527 | 1.384676367 | 21.70443616 | 0.000256899 | 0.25093923 |
| ENSMUSG00000002332 | 0.302178658 | 5.285713049 | 21.40230624 | 0.000274746 | 0.254397939 |
| ENSMUSG00000027276 | -0.749182675 | 2.40188209 | 21.1997171 | 0.000287494 | 0.254397939 |
| ENSMUSG00000021069 | 0.705184013 | 1.873584632 | 21.05333688 | 0.000297121 | 0.254397939 |
| ENSMUSG00000030208 | -0.978381323 | 0.886745021 | 20.87357821 | 0.000309443 | 0.254397939 |
| ENSMUSG00000027985 | -0.56937386 | 3.02586733 | 20.72370272 | 0.000320158 | 0.254397939 |
| ENSMUSG00000018830 | -0.869297286 | 3.258125686 | 20.69797089 | 0.000322946 | 0.254397939 |
| ENSMUSG00000051169 | 0.331679207 | 2.419180306 | 20.39016869 | 0.000345537 | 0.259038875 |
| ENSMUSG00000014361 | -0.389163541 | 5.605024976 | 20.25119363 | 0.000356776 | 0.259038875 |
| ENSMUSG00000032679 | 0.353630754 | 3.51024405 | 20.18823881 | 0.000362002 | 0.259038875 |
| ENSMUSG00000034037 | -0.407636334 | 2.84993291 | 20.03811088 | 0.000374816 | 0.259038875 |
| ENSMUSG00000026814 | -0.515951356 | 4.654044326 | 19.87800334 | 0.000389048 | 0.259038875 |
| ENSMUSG00000031821 | 2.498400293 | 0.241279599 | 19.99455657 | 0.000402958 | 0.259038875 |
| ENSMUSG00000027452 | -0.263775462 | 4.203439994 | 19.53396885 | 0.000421739 | 0.259038875 |
| ENSMUSG00000022111 | 0.257649365 | 3.800820013 | 19.45183431 | 0.000429995 | 0.259038875 |
| ENSMUSG00000024965 | -0.61785122 | 1.429447128 | 19.15027495 | 0.000461906 | 0.259038875 |
| ENSMUSG00000039158 | -0.525226593 | 2.214715222 | 19.10667936 | 0.000466736 | 0.259038875 |
| ENSMUSG00000045092 | -0.319173535 | 7.164946912 | 18.89090757 | 0.000491499 | 0.259038875 |
| ENSMUSG00000031871 | -0.609112163 | 4.016493807 | 18.87881212 | 0.00049293 | 0.259038875 |
| ENSMUSG00000003623 | -0.305727049 | 4.51021483 | 18.85465155 | 0.000495803 | 0.259038875 |
| ENSMUSG00000029648 | -0.703231931 | 6.218345089 | 18.96910881 | 0.000498479 | 0.259038875 |

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| ENSMUSG00000042286 | -0.577469167 | 3.886629453 | 18.80820876 | 0.000501379 | 0.259038875 |
| ENSMUSG00000107219 | -0.741194964 | 0.169254558 | 18.78322859 | 0.000504408 | 0.259038875 |
| ENSMUSG00000056492 | -0.862925834 | 5.387752595 | 18.99913216 | 0.000509167 | 0.259038875 |

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| ENSMUSG00000001768 | -0.2501269 | 4.722859611 | 18.41220325 | 0.000551907 | 0.263223354 |
| ENSMUSG00000035109 | -0.546963531 | 3.040329585 | 18.39216328 | 0.000554612 | 0.263223354 |
| ENSMUSG00000035021 | -1.027600275 | 1.604146869 | 18.32727883 | 0.000563476 | 0.263223354 |
| ENSMUSG00000008129 | 0.577262215 | 1.606926526 | 18.2750287 | 0.000570729 | 0.263223354 |
| ENSMUSG00000027474 | -0.548932862 | 1.955973051 | 18.14792654 | 0.000588818 | 0.263223354 |
| ENSMUSG00000082938 | 0.312318467 | 2.952666122 | 17.80006066 | 0.000641723 | 0.263223354 |
| ENSMUSG00000025812 | -0.375132615 | 3.630558005 | 17.78450973 | 0.00064421 | 0.263223354 |
| ENSMUSG00000031549 | 0.519335931 | 1.37691986 | 17.69856446 | 0.000658154 | 0.263223354 |
| ENSMUSG00000015994 | 0.225564413 | 4.684696298 | 17.61809421 | 0.000671519 | 0.263223354 |
| ENSMUSG00000030319 | 0.330127351 | 2.160079605 | 17.61632036 | 0.000671817 | 0.263223354 |
| ENSMUSG00000046805 | -0.410504358 | 4.809214105 | 17.57848217 | 0.00067821 | 0.263223354 |
| ENSMUSG00000057286 | -0.477984889 | 1.998448937 | 17.5360719 | 0.000685458 | 0.263223354 |
| ENSMUSG00000028199 | 0.430990863 | 3.566733907 | 17.47792531 | 0.000695537 | 0.263223354 |
| ENSMUSG00000029086 | -0.545010173 | 3.597462113 | 17.36849556 | 0.000714962 | 0.263223354 |
| ENSMUSG00000046229 | 0.744475014 | 3.009087669 | 17.35740456 | 0.000716965 | 0.263223354 |
| ENSMUSG00000022469 | -0.33814718 | 4.58205165 | 17.23323533 | 0.000739823 | 0.263223354 |
| ENSMUSG00000071042 | -0.508316051 | 3.594928987 | 17.15068617 | 0.000755475 | 0.263223354 |
| ENSMUSG00000032440 | -0.396328009 | 4.236344945 | 17.14535159 | 0.000756499 | 0.263223354 |
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| ENSMUSG00000082286 | 0.27584043 | 6.066904288 | 16.95362799 | 0.000794371 | 0.263223354 |
| ENSMUSG00000040584 | -0.635499564 | 4.831166475 | 16.95452567 | 0.000802453 | 0.263223354 |
| ENSMUSG00000021186 | -0.874395929 | 2.664058389 | 16.90278274 | 0.000806075 | 0.263223354 |
| ENSMUSG00000092187 | -0.701662918 | -0.457039932 | 16.77525867 | 0.000831535 | 0.263223354 |
| ENSMUSG00000028645 | -0.595050675 | 6.419099944 | 16.79008814 | 0.000837715 | 0.263223354 |
| ENSMUSG00000055322 | -0.425177526 | 5.651232606 | 16.74500307 | 0.000838031 | 0.263223354 |
| ENSMUSG00000030921 | -0.610614619 | 1.518381935 | 16.68020702 | 0.000852138 | 0.263223354 |
| ENSMUSG00000025787 | -0.932007447 | -0.890961646 | 16.65740637 | 0.000857165 | 0.263223354 |
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| ENSMUSG00000007570 | 0.337382299 | 2.957872265 | 16.59291947 | 0.000871566 | 0.263223354 |
| ENSMUSG00000025498 | -0.803456931 | 0.835477628 | 16.59034069 | 0.000872148 | 0.263223354 |
| ENSMUSG00000014852 | 0.617978904 | 0.162341868 | 16.5567496 | 0.000879763 | 0.263223354 |
| ENSMUSG00000006342 | 0.546490042 | 3.904078116 | 16.51381723 | 0.000889606 | 0.263223354 |
| ENSMUSG00000032265 | -0.754100667 | 3.083580275 | 16.39345026 | 0.00091787 | 0.263223354 |
| ENSMUSG00000021798 | 0.470944871 | 2.47611105 | 16.38805351 | 0.000919161 | 0.263223354 |
| ENSMUSG00000074579 | -0.88146421 | 1.893238173 | 16.31674854 | 0.000936409 | 0.263223354 |
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| ENSMUSG00000050926 | 0.504289354 | 1.396187912 | 16.16591535 | 0.000974112 | 0.263223354 |
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| ENSMUSG00000051262 | -0.425806783 | 1.546272478 | 16.01445545 | 0.001013705 | 0.263223354 |
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| ENSMUSG00000046312 | -0.339188609 | 4.834465752 | 15.91486204 | 0.001040728 | 0.263223354 |
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| ENSMUSG00000053158 | -0.424972856 | 1.489530548 | 15.82119922 | 0.001066887 | 0.263223354 |
| ENSMUSG00000018604 | -0.521681705 | 2.18436732 | 15.69632074 | 0.001102925 | 0.263223354 |
| ENSMUSG00000035783 | -0.644049357 | 4.102559937 | 15.69247019 | 0.001106288 | 0.263223354 |
| ENSMUSG00000025780 | -0.509714821 | 5.112729903 | 15.66300265 | 0.001112771 | 0.263223354 |
| ENSMUSG00000117484 | -0.557392837 | -0.062496745 | 15.64285692 | 0.001118773 | 0.263223354 |

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| ENSMUSG00000032232 | -0.470756328 | 3.979299289 | 15.62256144 | 0.001124856 | 0.263223354 |
| ENSMUSG00000086796 | -0.476863241 | 0.267516761 | 15.59437711 | 0.001133366 | 0.263223354 |
| ENSMUSG00000109057 | -1.372613693 | -2.069214004 | 15.58311184 | 0.001136787 | 0.263223354 |
| ENSMUSG00000086513 | -0.757322373 | -0.50134221 | 15.52798486 | 0.0011537 | 0.263223354 |
| ENSMUSG00000038007 | -0.663509158 | 2.786295196 | 15.48666143 | 0.001166565 | 0.263223354 |
| ENSMUSG00000035713 | 0.338159253 | 4.428821624 | 15.45574016 | 0.001176297 | 0.263223354 |
| ENSMUSG00000070327 | -0.74997312 | 3.676536849 | 15.49848986 | 0.001177568 | 0.263223354 |
| ENSMUSG00000049502 | -0.31520764 | 2.744981499 | 15.40728662 | 0.001191732 | 0.263223354 |
| ENSMUSG00000032667 | -0.306805206 | 5.328709312 | 15.40032843 | 0.001193967 | 0.263223354 |
| ENSMUSG00000083477 | 0.218646545 | 3.955336139 | 15.36357892 | 0.001205851 | 0.263223354 |
| ENSMUSG00000015305 | -0.285002007 | 6.083168967 | 15.36237124 | 0.001206244 | 0.263223354 |
| ENSMUSG00000020439 | -0.668226804 | 2.795231903 | 15.33057305 | 0.001216639 | 0.263223354 |
| ENSMUSG00000047343 | -0.909851352 | -1.488470076 | 15.32243753 | 0.001219314 | 0.263223354 |
| ENSMUSG00000027624 | -0.377635977 | 8.971196568 | 15.32229782 | 0.00121936 | 0.263223354 |
| ENSMUSG00000035245 | -0.322708554 | 5.380926678 | 15.31503815 | 0.001221754 | 0.263223354 |
| ENSMUSG00000038347 | 0.707937637 | 1.650030488 | 15.26734428 | 0.00123761 | 0.263223354 |
| ENSMUSG00000027962 | -0.384587818 | 4.699469832 | 15.12775152 | 0.00128537 | 0.263223354 |
| ENSMUSG00000021903 | -0.457667322 | 1.915062585 | 15.10990684 | 0.001291624 | 0.263223354 |
| ENSMUSG00000029313 | -0.390183889 | 3.955063933 | 15.09406044 | 0.001297207 | 0.263223354 |
| ENSMUSG00000030237 | -0.460061049 | 5.402340837 | 15.03533916 | 0.001318133 | 0.263223354 |
| ENSMUSG00000062960 | -0.66472401 | 3.687652952 | 15.00706646 | 0.001328999 | 0.263223354 |
| ENSMUSG00000023959 | -0.46856105 | 2.893847511 | 14.94477471 | 0.001351158 | 0.263223354 |
| ENSMUSG00000038235 | -0.428080737 | 2.70220964 | 14.93686253 | 0.001354087 | 0.263223354 |
| ENSMUSG00000043336 | -0.562647405 | 2.066224232 | 14.74824727 | 0.001426088 | 0.263223354 |
| ENSMUSG00000031365 | -0.247000043 | 5.042069749 | 14.74189159 | 0.001428588 | 0.263223354 |
| ENSMUSG00000072679 | 0.887138705 | -0.885917951 | 14.69399287 | 0.001447592 | 0.263223354 |
| ENSMUSG00000079657 | 0.494315912 | 4.833304614 | 14.62343746 | 0.001476107 | 0.263223354 |
| ENSMUSG00000029461 | -0.439784443 | 7.946338947 | 14.6158173 | 0.001479225 | 0.263223354 |
| ENSMUSG00000040451 | -0.228202069 | 5.264107616 | 14.60839604 | 0.001482268 | 0.263223354 |
| ENSMUSG00000003423 | 0.24713242 | 3.787740229 | 14.58522251 | 0.001491816 | 0.263223354 |
| ENSMUSG00000029337 | 0.553727956 | 1.337971514 | 14.53315758 | 0.001513524 | 0.263223354 |
| ENSMUSG00000036357 | 1.503253799 | -0.83650942 | 14.50980382 | 0.001523377 | 0.263223354 |
| ENSMUSG00000028188 | 0.995357657 | -0.174321462 | 14.42920364 | 0.001557942 | 0.263223354 |
| ENSMUSG00000021959 | -0.381406373 | 4.060465019 | 14.40996889 | 0.001566321 | 0.263223354 |
| ENSMUSG00000063511 | -0.250938041 | 7.47248953 | 14.40713277 | 0.00156756 | 0.263223354 |
| ENSMUSG00000034471 | -0.391329295 | 4.57682024 | 14.40454992 | 0.00156869 | 0.263223354 |
| ENSMUSG00000028776 | -0.55239385 | 2.642595496 | 14.39465917 | 0.001573026 | 0.263223354 |
| ENSMUSG00000085335 | -1.094653447 | -1.40509922 | 14.32123393 | 0.001605641 | 0.263223354 |
| ENSMUSG00000028163 | -0.239585388 | 4.045763903 | 14.3156487 | 0.001608153 | 0.263223354 |
| ENSMUSG00000017119 | -0.432352525 | 6.597470275 | 14.31022747 | 0.001610595 | 0.263223354 |
| ENSMUSG00000116594 | 0.40772975 | 4.447785476 | 14.29257921 | 0.001618575 | 0.263223354 |
| ENSMUSG00000006386 | -0.502167498 | 3.921829543 | 14.28384498 | 0.001622541 | 0.263223354 |
| ENSMUSG00000041741 | -0.574451123 | 1.621364804 | 14.24250021 | 0.001641465 | 0.263223354 |
| ENSMUSG00000040842 | -0.203907437 | 4.649988099 | 14.19751851 | 0.001662336 | 0.263223354 |
| ENSMUSG00000033191 | -0.621764111 | 3.410346312 | 14.19228944 | 0.001664782 | 0.263223354 |
| ENSMUSG00000025083 | -0.383873592 | 3.215408432 | 14.1674284 | 0.001676465 | 0.263223354 |
| ENSMUSG00000027803 | -0.445884607 | 4.086283214 | 14.15246588 | 0.001683542 | 0.263223354 |
| ENSMUSG00000095649 | -0.712258001 | -0.136233271 | 14.14658676 | 0.001686331 | 0.263223354 |
| ENSMUSG00000064373 | -0.289100636 | 7.456490206 | 14.0752805 | 0.001720586 | 0.263223354 |
| ENSMUSG00000026473 | -0.261355778 | 10.14254904 | 14.0591305 | 0.001728453 | 0.263223354 |

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| ENSMUSG00000033542 | -0.73523976 | 1.92168854 | 14.05407486 | 0.001730924 | 0.263223354 |
| ENSMUSG00000031954 | 0.244394294 | 5.753061115 | 14.04611532 | 0.001734822 | 0.263223354 |
| ENSMUSG00000026799 | 0.199072491 | 3.939033887 | 14.01814253 | 0.001748602 | 0.263223354 |
| ENSMUSG00000049791 | -0.538516726 | 3.900588534 | 14.0069024 | 0.001754174 | 0.263223354 |
| ENSMUSG00000030042 | 0.364109847 | 3.937071098 | 14.00548916 | 0.001754876 | 0.263223354 |
| ENSMUSG00000026972 | 0.364233347 | 3.309034554 | 14.00511755 | 0.00175506 | 0.263223354 |
| ENSMUSG00000007682 | -0.633970374 | 6.400449035 | 14.08362561 | 0.001766508 | 0.263223354 |
| ENSMUSG00000082955 | 2.854041123 | -0.279753388 | 14.17829825 | 0.001770174 | 0.263223354 |
| ENSMUSG00000043421 | 0.43589168 | 1.312305166 | 13.96173623 | 0.001776766 | 0.263223354 |
| ENSMUSG00000001946 | -0.339288989 | 3.676968025 | 13.94540618 | 0.001785015 | 0.263223354 |
| ENSMUSG00000029802 | -0.396584641 | 3.890936864 | 13.9085284 | 0.001803803 | 0.263223354 |
| ENSMUSG00000058325 | -0.441814372 | 4.609713411 | 13.90852417 | 0.001803806 | 0.263223354 |
| ENSMUSG00000055214 | -0.369165485 | 1.430490536 | 13.88936427 | 0.001813655 | 0.263223354 |
| ENSMUSG00000026288 | -0.317403089 | 3.948411294 | 13.87086918 | 0.001823221 | 0.263223354 |
| ENSMUSG00000018012 | 0.300145135 | 3.940832681 | 13.86761112 | 0.001824912 | 0.263223354 |
| ENSMUSG00000022799 | -0.404391197 | 5.640634957 | 13.83817694 | 0.001840269 | 0.263223354 |
| ENSMUSG00000051497 | -0.273154205 | 4.898919796 | 13.83799192 | 0.001840366 | 0.263223354 |
| ENSMUSG00000054944 | 0.616461558 | 1.018858703 | 13.82399809 | 0.001847719 | 0.263223354 |
| ENSMUSG00000037003 | -0.490827213 | 4.471839157 | 13.79882777 | 0.001861028 | 0.263223354 |
| ENSMUSG00000034210 | -0.221327554 | 5.650270578 | 13.79812577 | 0.001861401 | 0.263223354 |
| ENSMUSG00000112254 | 0.671018515 | -0.828741526 | 17.88577456 | 0.001861927 | 0.263223354 |
| ENSMUSG00000022893 | -0.663407732 | 2.932062727 | 13.79355549 | 0.00186383 | 0.263223354 |
| ENSMUSG00000115109 | 0.707839231 | -0.521977274 | 13.77060165 | 0.001876082 | 0.263223354 |
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