

Table S1. Significantly regulated genes of GO-Term GO:0007623 - circadian rhythm in aorta, heart and kidney after noise exposure (24h, 4d)

| | | Aorta - Control vs. 4 days noise | | Heart - Control vs. 4 days noise | | Kidney - Control vs. 4 days noise | |
|-----------------|--|-------------------------------------|---------------------|-------------------------------------|---------------------|--------------------------------------|---------------------|
| | | lfcMLE | p-value adjusted | lfcMLE | p-value adjusted | lfcMLE | p-value adjusted |
| <i>Arntl</i> | aryl hydrocarbon receptor nuclear translocator-like | 1.17 | 0.00051775 | 0.27 | 0.7165055 | 1.21 | 3.88E-26 |
| <i>Cry1</i> | cryptochrome 1 (photolyase-like) | 1.07 | 4.55E-07 | 0.57 | 0.05123406 | 1.15 | 9.56E-07 |
| <i>Npas2</i> | neuronal PAS domain protein 2 | 0.95 | 0.00552347 | -0.41 | 0.77480653 | 1.23 | 4.88E-10 |
| <i>Id2</i> | inhibitor of DNA binding 2 | 0.63 | 4.71E-06 | 0.02 | 0.99075922 | 0.48 | 0.00011816 |
| <i>Gpr157</i> | G protein-coupled receptor 157 | 0.43 | 0.01322795 | 0.28 | 0.75992755 | -0.04 | 0.98461102 |
| <i>Star</i> | steroidogenic acute regulatory protein | 0.43 | 0.02949489 | -0.17 | 0.9185866 | -0.09 | 0.95074376 |
| <i>Id4</i> | inhibitor of DNA binding 4 | 0.40 | 0.01957704 | -1.16 | 0.70725432 | 0.31 | 0.80641999 |
| <i>Pml</i> | promyelocytic leukemia | 0.28 | 0.00475916 | -0.08 | 0.94785857 | 0.04 | 0.95580073 |
| <i>Cul3</i> | cullin 3 | -0.18 | 0.03288531 | 0.08 | 0.93137358 | 0.00 | 0.99769682 |
| <i>Rps27a</i> | ribosomal protein S27A | -0.20 | 0.03754223 | 0.30 | 0.71057801 | -0.05 | 0.9262183 |
| <i>Fmr1</i> | fragile X mental retardation syndrome 1 | -0.23 | 0.02895276 | -0.45 | 0.29900206 | 0.01 | 0.98687891 |
| <i>Syncrin1</i> | synaptotagmin binding, cytoplasmic RNA interacting protein | -0.23 | 0.00479011 | -0.16 | 0.82055999 | 0.04 | 0.94841419 |
| <i>Atf5</i> | activating transcription factor 5 | -0.28 | 0.04361746 | -0.01 | 0.99234566 | -0.20 | 0.78340179 |
| <i>Relb</i> | avian reticuloendotheliosis viral (v-rel) oncogene related B | -0.28 | 0.03322863 | -0.30 | 0.77138484 | -0.22 | 0.77503961 |
| <i>Nampt</i> | nicotinamide phosphoribosyltransferase | -0.37 | 0.00040244 | 0.17 | 0.84923089 | -0.09 | 0.86306256 |
| <i>Rora</i> | RAR-related orphan receptor alpha | -0.37 | 0.00778862 | -0.28 | 0.70873644 | 0.00 | 0.99758185 |
| <i>Creml</i> | cAMP responsive element modulator | -0.38 | 0.01878781 | 0.00 | 0.99863022 | -0.03 | 0.96555616 |
| <i>Fosl2</i> | fos-like antigen 2 | -0.39 | 0.00404168 | -0.89 | 2.03E-11 | -0.31 | 0.66164095 |
| <i>Cst3</i> | cystatin C | -0.40 | 0.0070909 | 0.27 | 0.78206151 | -0.26 | 0.14392794 |
| <i>Kdm5a</i> | lysine (K)-specific demethylase 5A | -0.46 | 2.69E-05 | -0.12 | 0.9099024 | -0.04 | 0.96064493 |
| <i>Usp2</i> | ubiquitin specific peptidase 2 | -0.54 | 0.00223347 | -0.23 | 0.72796156 | -0.62 | 4.66E-05 |
| <i>Bhlhe40</i> | basic helix-loop-helix family, member e40 | -0.67 | 0.00025125 | -0.36 | 0.32837258 | 0.03 | 0.98003573 |
| <i>Id1</i> | inhibitor of DNA binding 1 | -0.67 | 0.00016262 | 0.32 | 0.83909762 | 0.14 | 0.90950898 |
| <i>Bdnf</i> | brain derived neurotrophic factor | -0.72 | 2.25E-05 | -0.08 | 0.94137351 | -0.44 | 0.43114066 |

| | | | | | | | |
|-----------------|---|-------|------------|-------|------------|-------|------------|
| <i>Klf9</i> | Kruppel-like factor 9 | -0.92 | 5.36E-11 | -0.65 | 0.24028767 | -0.48 | 0.1138832 |
| <i>Jund</i> | jun D proto-oncogene | -1.06 | 3.59E-17 | 0.15 | 0.92249934 | -0.63 | 0.06840794 |
| <i>Serpine1</i> | serine (or cysteine) peptidase inhibitor, clade E, member 1 | -1.16 | 8.70E-16 | -1.07 | 0.22067185 | -0.95 | 0.13324704 |
| <i>Homer1</i> | homer scaffolding protein 1 | -1.30 | 2.44E-14 | 0.04 | 0.97837598 | -0.05 | 0.95074376 |
| <i>Nr1d2</i> | nuclear receptor subfamily 1, group D, member 2 | -1.48 | 1.88E-05 | -0.81 | 0.00146314 | -0.88 | 7.47E-15 |
| <i>Nrip1</i> | nuclear receptor interacting protein 1 | -1.61 | 0.00014643 | -0.30 | 0.83471026 | 0.16 | 0.86326892 |
| <i>Ciart</i> | circadian associated repressor of transcription | -1.74 | 2.71E-05 | -0.22 | 0.91823531 | -1.13 | 0.24569152 |
| <i>Per1</i> | period circadian clock 1 | -1.88 | 2.11E-31 | -2.35 | 3.67E-13 | -1.64 | 7.10E-09 |
| <i>Dbp</i> | D site albumin promoter binding protein | -2.05 | 0.01964087 | -1.21 | 0.03693016 | -3.16 | 1.89E-54 |

Table S2. Significantly regulated genes of GO-Term GO:0006954 - inflammatory response in aorta, heart and kidney after noise exposure (24h, 4d)

| | | Aorta - Control vs. 4 days noise | | Heart - Control vs. 4 days noise | | Kidney - Control vs. 4 days noise | |
|----------------|---|-------------------------------------|---------------------|-------------------------------------|---------------------|--------------------------------------|---------------------|
| | | lfcMLE | p-value adjusted | lfcMLE | p-value adjusted | lfcMLE | p-value adjusted |
| <i>C3ar1</i> | complement component 3a receptor 1 | -0.54 | 0.00244504 | -0.34 | 0.69591567 | -0.54 | 0.55513965 |
| <i>Hdac7</i> | histone deacetylase 7 | -0.35 | 2.62E-07 | -0.08 | 0.95168013 | -0.16 | 0.8124949 |
| <i>Ndst1</i> | N-deacetylase/N-sulfotransferase (heparan glucosaminyl) 1 | -0.35 | 0.00311131 | 0.27 | 0.80192733 | 0.01 | 0.99487113 |
| <i>F3</i> | coagulation factor III | -0.33 | 0.00436241 | 0.17 | 0.7459955 | 0.27 | 0.45869495 |
| <i>Irak2</i> | interleukin-1 receptor-associated kinase 2 | -0.27 | 0.02547748 | 0.42 | 0.53209847 | -0.06 | 0.84595892 |
| <i>Pxk</i> | PX domain containing serine/threonine kinase | -0.26 | 0.02938509 | 0.00 | 0.99732028 | -0.02 | 0.96992394 |
| <i>Ikkkb</i> | inhibitor of kappaB kinase beta | -0.25 | 0.02216162 | -0.50 | 0.82437578 | -0.04 | 0.9258147 |
| <i>Acvr1</i> | activin A receptor, type 1 | -0.25 | 0.00765311 | 0.13 | 0.87038 | -0.10 | 0.91279746 |
| <i>Lipa</i> | lysosomal acid lipase A | -0.24 | 0.00523168 | 0.00 | 0.99907399 | -0.07 | 0.8694437 |
| <i>Adam17</i> | a disintegrin and metallopeptidase domain 17 | -0.23 | 0.04032625 | -0.09 | 0.90829868 | -0.15 | 0.48878624 |
| <i>Nfe2l2</i> | nuclear factor, erythroid derived 2, like 2 | 0.21 | 0.01021042 | 0.13 | 0.82055999 | -0.04 | 0.93874223 |
| <i>Hspg2</i> | perlecan (heparan sulfate proteoglycan 2) | 0.23 | 0.01055687 | 0.36 | 0.67646491 | 0.00 | 0.99697525 |
| <i>Itgav</i> | integrin alpha V | 0.23 | 0.01166671 | 0.37 | 0.64646563 | 0.01 | 0.98350481 |
| <i>Rela</i> | v-rel reticuloendotheliosis viral oncogene homolog A (avian) | 0.24 | 0.03082669 | 0.04 | 0.96617622 | 0.02 | 0.97667438 |
| <i>Cx3cl1</i> | chemokine (C-X3-C motif) ligand 1 | 0.25 | 0.03766403 | -0.18 | 0.78046423 | 0.00 | 0.99706639 |
| <i>Relb</i> | avian reticuloendotheliosis viral (v-rel) oncogene related B | 0.28 | 0.03322863 | 0.30 | 0.77138484 | 0.22 | 0.77503961 |
| <i>Tgfb1</i> | transforming growth factor, beta 1 | 0.31 | 0.04075918 | -0.19 | 0.87065632 | 0.18 | 0.84162201 |
| <i>Hnrnpa0</i> | heterogeneous nuclear ribonucleoprotein A0 | 0.32 | 0.00219793 | 0.05 | 0.93452168 | 0.10 | 0.75568908 |
| <i>Vcam1</i> | vascular cell adhesion molecule 1 | 0.32 | 0.00888199 | 0.12 | 0.89476221 | -0.30 | 0.43167785 |
| <i>Pik3cb</i> | phosphatidylinositol-4,5-bisphosphate 3-kinase catalytic subunit beta | 0.33 | 0.0171626 | 0.09 | 0.89229305 | -0.03 | 0.96555616 |
| <i>Notch1</i> | notch 1 | 0.41 | 0.02547748 | 0.20 | 0.71057801 | -0.12 | 0.76769295 |
| <i>Cd24a</i> | CD24a antigen | 0.43 | 0.00239099 | 0.33 | 0.86188081 | 0.32 | 0.22863477 |
| <i>Ncf1</i> | neutrophil cytosolic factor 1 | 0.43 | 0.0457203 | 0.44 | 0.62344647 | -0.09 | 0.96383221 |

| | | | | | | | |
|-----------------|--|------|------------|-------|------------|-------|------------|
| <i>Casp4</i> | caspase 4, apoptosis-related cysteine peptidase | 0.45 | 0.02126494 | 0.55 | 0.67646491 | 0.39 | 0.77579689 |
| <i>Gja1</i> | gap junction protein, alpha 1 | 0.51 | 6.91E-12 | -0.24 | 0.72643569 | 0.44 | 0.71084764 |
| <i>Ly75</i> | lymphocyte antigen 75 | 0.55 | 0.01237619 | 0.34 | 0.89922218 | -0.06 | 0.97258762 |
| <i>Bmp2</i> | bone morphogenetic protein 2 | 0.60 | 0.0009537 | 0.39 | 0.84855361 | -0.11 | 0.95569157 |
| <i>Ccl9</i> | chemokine (C-C motif) ligand 9 | 0.61 | 2.20E-05 | 0.45 | 0.2936026 | 0.40 | 0.75024266 |
| <i>Pparg</i> | peroxisome proliferator activated receptor gamma | 0.62 | 0.01866393 | -0.16 | 0.88294743 | 1.16 | 0.6881325 |
| <i>Mif</i> | macrophage migration inhibitory factor (glycosylation-inhibiting factor) | 0.66 | 0.00012477 | -0.34 | 0.76689156 | 0.29 | 0.55400949 |
| <i>Tlr4</i> | toll-like receptor 4 | 0.75 | 2.96E-11 | 0.34 | 0.78279682 | -0.12 | 0.95798562 |
| <i>F8</i> | coagulation factor VIII | 0.78 | 0.01898663 | -0.17 | 0.9099024 | -0.11 | 0.8652184 |
| <i>Crlf2</i> | cytokine receptor-like factor 2 | 0.83 | 0.00039539 | -0.21 | 0.90933366 | 0.53 | 0.64853411 |
| <i>Tnfrsf21</i> | tumor necrosis factor receptor superfamily, member 21 | 1.02 | 1.14E-05 | 0.31 | 0.62560295 | 0.38 | 0.07198322 |
| <i>Cebpb</i> | CCAAT/enhancer binding protein (C/EBP), beta | 1.22 | 1.72E-07 | 0.74 | 0.53974004 | 0.47 | 0.31674745 |
| <i>Ptgs2</i> | prostaglandin-endoperoxide synthase 2 | 1.26 | 0.00042112 | 0.86 | 0.70870442 | 0.90 | 0.66135485 |
| <i>Cxcr4</i> | chemokine (C-X-C motif) receptor 4 | 1.33 | 0.00352778 | -0.32 | 0.71380357 | 0.86 | 0.08558721 |
| <i>Rel</i> | reticuloendotheliosis oncogene | 1.34 | 0.02949489 | -0.30 | 0.8472655 | 0.25 | 0.91283844 |

Table S3. Significantly regulated genes of GO-Term GO:0006979 – response to oxidative stress in aorta, heart and kidney after noise exposure (24h, 4d)

| | | Aorta - Control vs. 4 days noise | | Heart - Control vs. 4 days noise | | Kidney - Control vs. 4 days noise | |
|----------------|--|-------------------------------------|---------------------|-------------------------------------|---------------------|--------------------------------------|---------------------|
| | | lfcMLE | p-value adjusted | lfcMLE | p-value adjusted | lfcMLE | p-value adjusted |
| <i>Arntl</i> | aryl hydrocarbon receptor nuclear translocator-like | -1.17 | 0.00051775 | -0.27 | 0.716505504 | -1.21 | 3.88E-26 |
| <i>Angptl7</i> | angiopoietin-like 7 | -0.88 | 0.021259882 | 0.24 | 0.938467271 | 0.33 | 0.625952489 |
| <i>Prkcd</i> | protein kinase C, delta | -0.53 | 2.13E-11 | 0.36 | 0.69514249 | -0.07 | 0.807802929 |
| <i>Pdgfrb</i> | platelet derived growth factor receptor, beta polypeptide | -0.49 | 1.95E-10 | 0.13 | 0.892293047 | -0.40 | 0.222857547 |
| <i>Star</i> | steroidogenic acute regulatory protein | -0.43 | 0.029494889 | 0.17 | 0.918586601 | 0.09 | 0.950743755 |
| <i>Casp3</i> | caspase 3 | -0.36 | 0.045087321 | -0.01 | 0.996403845 | 0.01 | 0.993058405 |
| <i>Stx2</i> | syntaxin 2 | -0.35 | 0.000120277 | -0.22 | 0.777695683 | -0.07 | 0.930587747 |
| <i>Mill2</i> | MHC I like leukocyte 2 | -0.35 | 0.015030034 | 0.25 | 0.771384844 | 0.09 | 0.964400387 |
| <i>Oxsr1</i> | oxidative-stress responsive 1 | -0.33 | 8.44E-05 | -0.12 | 0.852094584 | -0.09 | 0.737918773 |
| <i>Ankzf1</i> | ankyrin repeat and zinc finger domain containing 1 | -0.28 | 0.036909163 | 0.14 | 0.854336317 | -0.04 | 0.960644925 |
| <i>Pml</i> | promyelocytic leukemia | -0.28 | 0.004759161 | 0.08 | 0.947858568 | -0.04 | 0.95580073 |
| <i>Hdac6</i> | histone deacetylase 6 | -0.28 | 0.007319698 | 0.04 | 0.949773275 | 0.00 | 0.997696824 |
| <i>Map3k5</i> | mitogen-activated protein kinase kinase kinase 5 | -0.28 | 0.000884186 | -0.15 | 0.860693423 | -0.12 | 0.705611583 |
| <i>Mapk9</i> | mitogen-activated protein kinase 9 | -0.26 | 0.001213555 | 0.00 | 0.999073992 | -0.10 | 0.629348975 |
| <i>Parp1</i> | poly (ADP-ribose) polymerase family, member 1 | -0.26 | 0.000657141 | -0.10 | 0.894205931 | -0.05 | 0.89855727 |
| <i>Dapk1</i> | death associated protein kinase 1 | -0.24 | 0.031419954 | 0.03 | 0.973013544 | -0.17 | 0.625952489 |
| <i>Stat6</i> | signal transducer and activator of transcription 6 | -0.21 | 0.000947663 | -0.05 | 0.92644222 | -0.12 | 0.488786236 |
| <i>Rcan2</i> | regulator of calcineurin 2 | -0.19 | 0.041894116 | -0.05 | 0.949422771 | 0.05 | 0.955200308 |
| <i>Nfe2l2</i> | nuclear factor, erythroid derived 2, like 2 | 0.21 | 0.010210421 | 0.13 | 0.820559992 | -0.04 | 0.938742233 |
| <i>Plekha1</i> | pleckstrin homology domain containing, family A (phosphoinositide binding specific) member 1 | 0.21 | 0.032811914 | 0.22 | 0.707254315 | -0.01 | 0.975060884 |
| <i>Hspd1</i> | heat shock protein 1 (chaperonin) | 0.23 | 0.042217971 | -0.04 | 0.974670043 | 0.03 | 0.947546219 |
| <i>Itgav</i> | integrin alpha V | 0.23 | 0.011666714 | 0.37 | 0.646465633 | 0.01 | 0.983504806 |
| <i>Rela</i> | v-rel reticuloendotheliosis viral oncogene homolog A (avian) | 0.24 | 0.030826693 | 0.04 | 0.966176224 | 0.02 | 0.976674384 |

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|------------------|---|------|-------------|-------|-------------|-------|-------------|
| <i>Ndufb4</i> | NADH dehydrogenase (ubiquinone) 1 beta subcomplex 4 | 0.26 | 0.036756091 | -0.30 | 0.701355486 | 0.27 | 0.076108243 |
| <i>Cytc</i> | cytochrome c, somatic | 0.27 | 0.041840317 | -0.12 | 0.871695243 | 0.17 | 0.488786236 |
| <i>Apex1</i> | apurinic/apurimidine endonuclease 1 | 0.30 | 0.043709969 | -0.18 | 0.880994485 | 0.01 | 0.989363236 |
| <i>Ndufa6</i> | NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 6 (B14) | 0.30 | 0.024297325 | -0.35 | 0.727421849 | 0.35 | 0.039700131 |
| <i>Cpeb2</i> | cytoplasmic polyadenylation element binding protein 2 | 0.30 | 0.047688532 | 0.14 | 0.920128864 | -0.18 | 0.639976901 |
| <i>Bnip3</i> | BCL2/adenovirus E1B interacting protein 3 | 0.31 | 0.001581338 | -0.17 | 0.836560605 | 0.21 | 0.010640264 |
| <i>ApoE</i> | apolipoprotein E | 0.32 | 0.015527214 | 0.13 | 0.938807115 | -0.02 | 0.987612309 |
| <i>Rhob</i> | ras homolog family member B | 0.38 | 0.00026164 | 0.12 | 0.888862375 | 0.33 | 0.432383301 |
| <i>Gpx1</i> | glutathione peroxidase 1 | 0.40 | 0.000530864 | -0.17 | 0.895581497 | 0.22 | 0.384596127 |
| <i>Cst3</i> | cystatin C | 0.40 | 0.007090904 | -0.27 | 0.782061505 | 0.26 | 0.143927941 |
| <i>Gpx4</i> | glutathione peroxidase 4 | 0.43 | 0.000213441 | -0.39 | 0.675178332 | 0.20 | 0.478414195 |
| <i>Ncf1</i> | neutrophil cytosolic factor 1 | 0.43 | 0.045720298 | 0.44 | 0.623446468 | -0.09 | 0.963832209 |
| <i>Cd36</i> | CD36 molecule | 0.50 | 0.015376477 | -0.15 | 0.863170709 | 0.04 | 0.942798159 |
| <i>Atp7a</i> | ATPase, Cu ⁺⁺ transporting, alpha polypeptide | 0.60 | 2.91E-08 | 0.47 | 0.425568609 | -0.07 | 0.897271195 |
| <i>Endog</i> | endonuclease G | 0.63 | 0.007719158 | -0.42 | 0.711220628 | 0.29 | 0.610280678 |
| <i>Rcan1</i> | regulator of calcineurin 1 | 0.66 | 0.000450379 | -0.21 | 0.841521926 | 0.46 | 0.320131842 |
| <i>Plk3</i> | polo like kinase 3 | 0.70 | 0.004929014 | 0.51 | 0.682362901 | 1.77 | 0.039700131 |
| <i>Ucp2</i> | uncoupling protein 2 (mitochondrial, proton carrier) | 0.70 | 1.13E-09 | 0.47 | 0.755982833 | 0.45 | 0.142809224 |
| <i>Net1</i> | neuroepithelial cell transforming gene 1 | 0.71 | 1.48E-07 | 0.54 | 0.62203586 | -0.10 | 0.849693178 |
| <i>Rom1</i> | reactive oxygen species modulator 1 | 0.93 | 1.31E-07 | -0.50 | 0.737405532 | 0.47 | 0.274058266 |
| <i>Klf2</i> | Kruppel-like factor 2 (lung) | 1.09 | 0.002295291 | 0.21 | 0.895369891 | 0.42 | 0.415412859 |
| <i>Trp53inp1</i> | transformation related protein 53 inducible nuclear protein 1 | 1.16 | 2.21E-20 | 0.71 | 0.154873494 | -0.02 | 0.979567587 |
| <i>Foxo3</i> | forkhead box O3 | 1.23 | 1.85E-08 | 0.01 | 0.993251854 | 0.55 | 0.391127064 |
| <i>Ptgs2</i> | prostaglandin-endoperoxide synthase 2 | 1.26 | 0.000421116 | 0.86 | 0.70870442 | 0.90 | 0.661354847 |

Table S4. 50 most highly up regulated genes in brain after noise treatment (24h, 4d)

| ID | Description | log2FC |
|-------------------|---|---------------|
| <i>Lrg1</i> | leucine-rich alpha-2-glycoprotein 1 | 1,50 |
| <i>Alas2</i> | aminolevulinic acid synthase 2, erythroid | 1,48 |
| <i>Hbb-b2</i> | hemoglobin, beta adult minor chain | 1,37 |
| <i>Hbb-bs</i> | hemoglobin, beta adult s chain | 1,15 |
| <i>Xlr3a</i> | X-linked lymphocyte-regulated 3A | 0,95 |
| <i>Ctla2a</i> | cytotoxic T lymphocyte-associated protein 2 alpha | 0,83 |
| <i>Paqr5</i> | progesterin and adipoQ receptor family member V | 0,80 |
| <i>Edn1</i> | endothelin 1 | 0,77 |
| <i>Ube2l6</i> | ubiquitin-conjugating enzyme E2L 6 | 0,76 |
| <i>AK131586</i> | mitochondrially encoded cytochrome c oxidase II | 0,76 |
| <i>Rps15a-ps6</i> | ribosomal protein S15A, pseudogene 6 | 0,74 |
| <i>Cd14</i> | CD14 antigen | 0,73 |
| <i>AK131579</i> | mitochondrially encoded cytochrome c oxidase III | 0,72 |
| <i>BC069931</i> | chr1:24,613,971-24,614,788 or chrM:7,790-8,607 | 0,72 |
| <i>Rpl31-ps12</i> | ribosomal protein L31, pseudogene 1 2 | 0,72 |
| <i>AK018753</i> | mitochondrially encoded NADH dehydrogenase 1 | 0,70 |
| <i>Mgp</i> | matrix Gla protein | 0,70 |
| <i>Gm694</i> | steroid receptor associated and regulated protein | 0,68 |
| <i>Sult1a1</i> | sulfotransferase family 1A, phenol-preferring, member 1 | 0,68 |
| <i>Ly6a</i> | lymphocyte antigen 6 complex, locus A | 0,67 |
| <i>AK163440</i> | NADH-ubiquinone oxidoreductase chain 2 (EC 1.6.5.3) | 0,67 |
| <i>DQ539915</i> | Cytochrome oxidase subunit 1 (EC 1.9.3.1) | 0,65 |
| <i>AU021092</i> | expressed sequence AU021092 | 0,64 |
| <i>Ly6c1</i> | lymphocyte antigen 6 complex, locus C1 | 0,64 |

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|-------------------------------|---|------|
| <i>AK142750</i> | mitochondrially encoded NADH dehydrogenase 4 | 0,63 |
| <i>Eif4ebp1</i> | eukaryotic translation initiation factor 4E binding protein 1 | 0,63 |
| <i>Vwf</i> | Von Willebrand factor | 0,62 |
| <i>Rpl37</i> | ribosomal protein L37 | 0,61 |
| <i>Rps19</i> | ribosomal protein S19 | 0,61 |
| <i>Rps14</i> | ribosomal protein S14 | 0,60 |
| <i>Slc52a3</i> | solute carrier protein family 52, member 3 | 0,59 |
| <i>Tmem176a</i> | transmembrane protein 176A | 0,58 |
| <i>X57780</i> | mitochondrially encoded cytochrome b | 0,58 |
| <i>Rps23</i> | ribosomal protein S23 | 0,57 |
| <i>Rps28</i> | ribosomal protein S28 | 0,57 |
| <i>Rpl26,Gm15772</i> | ribosomal protein L26 | 0,57 |
| <i>Rps12,Snora33,Snord100</i> | ribosomal protein S12 | 0,57 |
| <i>Rpl27</i> | ribosomal protein L27 | 0,56 |
| <i>Agt</i> | angiotensinogen (serpin peptidase inhibitor, clade A, member 8) | 0,56 |
| <i>Rpl30</i> | ribosomal protein L30 | 0,56 |
| <i>Fth1</i> | ferritin heavy polypeptide 1 | 0,55 |
| <i>Rpl35a</i> | ribosomal protein L35A | 0,55 |
| <i>Rps21</i> | ribosomal protein S21 | 0,55 |
| <i>Rps20</i> | ribosomal protein S20 | 0,55 |
| <i>Fbln1,AK206280</i> | fibulin 1 | 0,55 |
| <i>Rps11</i> | ribosomal protein S11 | 0,54 |
| <i>Rpl34</i> | ribosomal protein L34 | 0,54 |
| <i>Rps4x</i> | ribosomal protein S4, X-linked | 0,54 |
| <i>Rpl37a</i> | ribosomal protein L37a | 0,53 |
| <i>Rps7</i> | ribosomal protein S7 | 0,53 |

Table S5. 50 most highly down regulated genes in brain after noise treatment (24h, 4d)

| ID | Description | log2FC |
|-----------------------------|---|---------------|
| <i>Sacs</i> | sacsin | -1,42 |
| 4933409K07Rik <i>Gm3893</i> | RIKEN cDNA 4933409K07 gene | -1,35 |
| <i>Dnah11</i> | dynein, axonemal, heavy chain 11 | -1,12 |
| <i>Lingo4</i> | leucine rich repeat and Ig domain containing 4 | -1,10 |
| <i>Ankfn1</i> | ankyrin-repeat and fibronectin type III domain containing 1 | -1,07 |
| <i>Gan</i> | giant axonal neuropathy | -1,07 |
| D830031N03Rik | RIKEN cDNA D830031N03 gene | -1,05 |
| <i>Glr1</i> | glycine receptor, alpha 1 subunit | -1,04 |
| <i>Dgkh</i> | diacylglycerol kinase, eta | -1,02 |
| <i>Tenm1</i> | teneurin transmembrane protein 1 | -1,02 |
| <i>Hipk2</i> | homeodomain interacting protein kinase 2 | -1,02 |
| <i>Gm340</i> | predicted gene 340 | -1,02 |
| <i>Dst</i> | dystonin | -1,00 |
| <i>Rest</i> | RE1-silencing transcription factor | -0,98 |
| <i>Gprin3</i> | GPRIN family member 3 | -0,98 |
| <i>Kcnh7</i> | potassium voltage-gated channel, subfamily H (eag-related), member 7 | -0,95 |
| <i>Ago3</i> | argonaute RISC catalytic subunit 3 | -0,95 |
| <i>Spn</i> | spn family transcription repressor | -0,93 |
| <i>Grin2a,AK086290</i> | glutamate ionotropic receptor NMDA type subunit 2A | -0,93 |
| <i>Macf1</i> | microtubule-actin crosslinking factor 1 | -0,90 |
| <i>Nbeal1,AK041465</i> | neurobeachin like 1 | -0,89 |
| <i>Fam135b</i> | family with sequence similarity 135, member B | -0,89 |
| <i>Ksr2</i> | kinase suppressor of ras 2 | -0,88 |
| <i>AK171934,Aff2</i> | AF4/FMR2 family member 2 | -0,87 |
| <i>Mdn1</i> | midasin AAA ATPase 1 | -0,86 |
| <i>Nkain3</i> | Na ⁺ /K ⁺ transporting ATPase interacting 3 | -0,85 |
| <i>Slc6a5</i> | solute carrier family 6 (neurotransmitter transporter, glycine), member 5 | -0,85 |

| | | |
|------------------------|--|-------|
| <i>Tcp11l1</i> | T-complex 11 Like 1 | -0,84 |
| <i>Tmem178b</i> | transmembrane protein 178B | -0,83 |
| <i>Arfgef3</i> | ARFGEF family member 3 | -0,83 |
| <i>Hivep3,Krc</i> | human immunodeficiency virus type I enhancer binding protein 3 | -0,83 |
| <i>Zfp369</i> | zinc finger protein 369 | -0,82 |
| <i>D630041G03Rik</i> | RIKEN cDNA D630041G03 gene | -0,80 |
| <i>Unc80</i> | unc-80, NALCN activator | -0,79 |
| <i>Tnr</i> | tenascin R | -0,79 |
| <i>Trip11,AK045549</i> | thyroid hormone receptor interactor 11 | -0,78 |
| <i>Xkr4,AK135172</i> | XK related 4 | -0,77 |
| <i>Sv2c</i> | synaptic vesicle glycoprotein 2c | -0,77 |
| <i>AB352175</i> | chr9:27,351,045-27,351,072 | -0,76 |
| <i>Ptar1</i> | protein prenyltransferase alpha subunit repeat containing 1 | -0,75 |
| <i>Dok6</i> | docking protein 6 | -0,74 |
| <i>Cep350</i> | centrosomal protein 350 | -0,74 |
| <i>F5</i> | coagulation factor V | -0,74 |
| <i>AK039686</i> | predicted gene 10010 | -0,73 |
| <i>Tenm4</i> | teneurin transmembrane protein 4 | -0,72 |
| <i>Lyst</i> | lysosomal trafficking regulator | -0,71 |
| <i>Kcnq3</i> | potassium voltage-gated channel, subfamily Q, member 3 | -0,70 |
| <i>AK164996,Trpm3</i> | transient receptor potential cation channel subfamily M member 3 | -0,69 |
| <i>Plcx3</i> | phosphatidylinositol-specific phospholipase C, X domain containing 3 | -0,69 |
| <i>Cbl</i> | Casitas B-lineage lymphoma | -0,69 |

Table S6. 50 most highly up regulated genes after noise treatment during the sleep phase (12h, 4d)

| ID | Description | log2FC |
|----------------------|--|---------------|
| <i>Atoh8</i> | atonal bHLH transcription factor 8 | 0.93 |
| <i>Zfp703</i> | zinc finger protein 703 | 0.87 |
| <i>Tmem229b</i> | transmembrane protein 229B | 0.73 |
| <i>Map3k6</i> | mitogen-activated protein kinase kinase kinase 6 | 0.87 |
| <i>Ihh</i> | Indian hedgehog | 0.90 |
| <i>Dgkg</i> | diacylglycerol kinase, gamma | 0.86 |
| <i>Bmf</i> | BCL2 modifying factor | 0.97 |
| <i>Eef2k</i> | eukaryotic elongation factor-2 kinase | 0.66 |
| <i>Fkbp5</i> | FK506 binding protein 5 | 1.31 |
| <i>Pip5k1b</i> | phosphatidylinositol-4-phosphate 5-kinase, type 1 beta | 0.83 |
| <i>Id2</i> | inhibitor of DNA binding 2 | 0.73 |
| <i>Snai2</i> | snail family zinc finger 2 | 0.71 |
| <i>2010300C02Rik</i> | RIKEN cDNA 2010300C02 gene | 0.73 |
| <i>Lpin3</i> | lipin 3 | 0.62 |
| <i>Fam212b</i> | family with sequence similarity 212, member B | 0.64 |
| <i>Dock5</i> | dedicator of cytokinesis 5 | 0.64 |
| <i>Irf2bpl</i> | interferon regulatory factor 2 binding protein-like | 0.61 |
| <i>5930403L14Rik</i> | RIKEN cDNA 5930403L14 gene | 0.54 |
| <i>Fbxo31</i> | F-box protein 31 | 0.58 |
| <i>Socs1</i> | suppressor of cytokine signaling 1 | 0.83 |
| <i>AK047676</i> | RIKEN cDNA C030009J22 gene | 1.42 |
| <i>Mt1</i> | metallothionein 1 | 0.62 |
| <i>Hey1</i> | hairy/enhancer-of-split related with YRPW motif 1 | 0.72 |
| <i>Mn1</i> | meningioma 1 | 0.69 |
| <i>Mthfd2</i> | methylenetetrahydrofolate dehydrogenase (NAD ⁺ dependent), methenyltetrahydrofolate | 0.62 |
| <i>Mob2</i> | MOB kinase activator 2 | 0.51 |

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|----------------------|--|------|
| <i>Hoxb6</i> | homeobox B6 | 0.62 |
| <i>Zfp775</i> | zinc finger protein 775 | 0.58 |
| <i>Fmo3</i> | flavin containing monooxygenase 3 | 0.61 |
| <i>Mitf</i> | microphthalmia-associated transcription factor | 0.53 |
| <i>Ankrd34a</i> | ankyrin repeat domain 34A | 0.80 |
| <i>Fam160a1</i> | family with sequence similarity 160, member A1 | 0.51 |
| <i>Sema4c</i> | sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short | 0.48 |
| <i>Snta1</i> | ylntrophin, acidic 1 | 0.46 |
| <i>Cxxc5</i> | CXXC finger 5 | 0.57 |
| <i>AK171391</i> | chemokine (C-C motif) receptor 5 | 0.63 |
| <i>Irx3</i> | Iroquois related homeobox 3 | 0.71 |
| <i>Foxs1</i> | forkhead box S1 | 0.62 |
| <i>Cyb561</i> | cytochrome b-561 | 0.48 |
| <i>Tet1</i> | tet methylcytosine dioxygenase 1 | 0.66 |
| <i>Hr</i> | hairless | 0.49 |
| <i>Ahdc1</i> | AT hook, DNA binding motif, containing 1 | 0.46 |
| <i>Ypel2</i> | yippee-like 2 (Drosophila) | 0.50 |
| <i>Srl</i> | sarcalumenin | 0.47 |
| <i>Nkx3-1</i> | NK-3 transcription factor, locus 1 (Drosophila) | 1.45 |
| <i>AK134859</i> | chr2:131281304-131281363 | 0.85 |
| <i>D930015E06Rik</i> | transmembrane 131 like | 0.52 |
| <i>AI414108</i> | immunoglobulin superfamily, member 9B | 0.43 |
| <i>Ccdc141</i> | coiled-coil domain containing 141 | 0.50 |
| <i>Hoxb5</i> | homeobox B5 | 0.50 |

Table S7. 50 most highly down regulated genes after noise treatment during the sleep phase (12h, 4d)

| ID | Description | log2FC |
|-----------------|---|---------------|
| <i>Hspa1a</i> | heat shock protein 1A | -3.27 |
| <i>Serpine1</i> | serine (or cysteine) peptidase inhibitor, clade E, member 1 | -1.88 |
| <i>Ptgs2</i> | prostaglandin-endoperoxide synthase 2 | -1.79 |
| <i>Dnajb4</i> | DnaJ heat shock protein family (Hsp40) member B4 | -1.70 |
| <i>Nfil3</i> | nuclear factor, interleukin 3, regulated | -1.64 |
| <i>Abra</i> | actin-binding Rho activating protein | -1.55 |
| <i>Irs2</i> | insulin receptor substrate 2 | -1.48 |
| <i>Arid5a</i> | AT rich interactive domain 5A (MRF1-like) | -1.47 |
| <i>Per1</i> | period circadian clock 1 | -1.42 |
| <i>Errfi1</i> | ERBB receptor feedback inhibitor 1 | -1.41 |
| <i>Adamts1</i> | a disintegrin-like and metallopeptidase (reprolysin type) with thrombospondin type 1 motif, 1 | -1.38 |
| <i>Stil</i> | Sc1/Tal1 interrupting locus | -1.38 |
| <i>Cd83</i> | CD83 antigen | -1.33 |
| <i>Nr4a3</i> | nuclear receptor subfamily 4, group A, member 3 | -1.33 |
| <i>Sgk1</i> | serum/glucocorticoid regulated kinase 1 | -1.26 |
| <i>Dnajb1</i> | DnaJ heat shock protein family (Hsp40) member B1 | -1.20 |
| <i>Cited2</i> | Cbp/p300-interacting transactivator, with Glu/Asp-rich carboxy-terminal domain, 2 | -1.19 |
| <i>Csrnp1</i> | cysteine-serine-rich nuclear protein 1 | -1.16 |
| <i>Ctgf</i> | connective tissue growth factor | -1.14 |
| <i>Otud1</i> | OTU domain containing 1 | -1.13 |
| <i>Gem</i> | GTP binding protein (gene overexpressed in skeletal muscle) | -1.06 |
| <i>Net1</i> | neuroepithelial cell transforming gene 1 | -1.00 |
| <i>Bdnf</i> | brain derived neurotrophic factor | -0.98 |
| <i>Klf2</i> | Kruppel-like factor 2 (lung) | -0.95 |
| <i>Rsrp1</i> | arginine/serine rich protein 1 | -0.95 |
| <i>Cdkn2b</i> | cyclin-dependent kinase inhibitor 2B (p15, inhibits CDK4) | -0.94 |
| <i>Fosl2</i> | fos-like antigen 2 | -0.93 |

| | | |
|-----------------|---|-------|
| <i>Gm5148</i> | predicted gene 5148 | -0.90 |
| <i>Rcan1</i> | regulator of calcineurin 1 | -0.89 |
| <i>AK044623</i> | chr15:81855734-81858323 | -0.87 |
| <i>Hspa1l</i> | heat shock protein 1-like | -0.82 |
| <i>Amotl2</i> | angiomin-like 2 | -0.81 |
| <i>Siah2</i> | seven in absentia 2 | -0.80 |
| <i>Filip1l</i> | filamin A interacting protein 1-like | -0.79 |
| <i>Dusp8</i> | dual specificity phosphatase 8 | -0.79 |
| <i>Neurl3</i> | neuralized E3 ubiquitin protein ligase 3 | -0.78 |
| <i>Xirp1</i> | xin actin-binding repeat containing 1 | -0.76 |
| <i>Trib1</i> | tribbles pseudokinase 1 | -0.73 |
| <i>Rasl11b</i> | RAS-like, family 11, member B | -0.73 |
| <i>Usp42</i> | ubiquitin specific peptidase 42 | -0.69 |
| <i>Cebpd</i> | CCAAT/enhancer binding protein (C/EBP), delta | -0.68 |
| <i>Ier3</i> | immediate early response 3 | -0.68 |
| <i>Nedd9</i> | neural precursor cell expressed, developmentally down-regulated gene 9 | -0.68 |
| <i>Tsc22d3</i> | TSC22 domain family, member 3 | -0.65 |
| <i>Arid5b</i> | AT rich interactive domain 5B (MRF1-like) | -0.61 |
| <i>Lbh</i> | limb-bud and heart | -0.61 |
| <i>AK170928</i> | zinc finger and BTB domain containing 21 | -0.60 |
| <i>Bmp2</i> | bone morphogenetic protein 2 | -0.60 |
| <i>Nfkbia</i> | nuclear factor of kappa light polypeptide gene enhancer in B cells inhibitor, alpha | -0.57 |
| <i>Dcun1d3</i> | DCN1, defective in cullin neddylation 1, domain containing 3 (<i>S. cerevisiae</i>) | -0.54 |

Table S8. 50 most highly up regulated genes after noise treatment during the awake phase (12h, 4d)

| ID | Description | log2FC |
|-------------------|--|---------------|
| <i>Has3</i> | hyaluronan synthase 3 | 0.89 |
| <i>AK202495</i> | chr2:151459638-151460046 | 0.70 |
| <i>Dgkg</i> | diacylglycerol kinase, gamma | 0.69 |
| <i>Npy1r</i> | neuropeptide Y receptor Y1 | 0.67 |
| <i>Eva1c</i> | eva-1 homolog C (C. elegans) | 0.71 |
| <i>Spsb1</i> | splA/ryanodine receptor domain and SOCS box containing 1 | 0.59 |
| <i>Slc38a11</i> | solute carrier family 38, member 11 | 0.56 |
| <i>Klf15</i> | Kruppel-like factor 15 | 0.69 |
| <i>Hectd2</i> | HECT domain E3 ubiquitin protein ligase 2 | 0.65 |
| <i>Adamts15</i> | a disintegrin-like and metallopeptidase (reprolysin type) with thrombospondin type 1 motif, 15 | 0.50 |
| <i>Klf9</i> | Kruppel-like factor 9 | 0.52 |
| <i>Sema3a</i> | sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3A | 0.49 |
| <i>Atoh8</i> | atonal bHLH transcription factor 8 | 0.55 |
| <i>Phtf2</i> | putative homeodomain transcription factor 2 | 0.45 |
| <i>Vcan</i> | versican | 0.47 |
| <i>Tmem229b</i> | transmembrane protein 229B | 0.60 |
| <i>Slc25a33</i> | solute carrier family 25, member 33 | 0.57 |
| <i>Htr1b</i> | 5-hydroxytryptamine (serotonin) receptor 1B | 0.52 |
| <i>Csgalnact1</i> | chondroitin sulfate N-acetylgalactosaminyltransferase 1 | 0.45 |
| <i>A4galt</i> | alpha 1,4-galactosyltransferase | 0.45 |
| <i>Slc45a3</i> | solute carrier family 45, member 3 | 0.55 |
| <i>Fibin</i> | fin bud initiation factor homolog (zebrafish) | 0.48 |
| <i>Slc4a7</i> | solute carrier family 4, sodium bicarbonate cotransporter, member 7 | 0.46 |
| <i>Glt28d2</i> | glycosyltransferase 28 domain containing 2 | 0.50 |
| <i>Chst3</i> | carbohydrate (chondroitin 6/keratan) sulfotransferase 3 | 0.43 |
| <i>Lgalsl</i> | lectin, galactoside binding-like | 0.39 |
| <i>Tfrc</i> | transferrin receptor | 0.45 |

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|----------------------|--|------|
| <i>Bdh1</i> | 3-hydroxybutyrate dehydrogenase, type 1 | 0.44 |
| <i>Ppp1r12b</i> | protein phosphatase 1, regulatory (inhibitor) subunit 12B | 0.37 |
| <i>Fbxo40</i> | F-box protein 40 | 0.47 |
| <i>4930523C07Rik</i> | RIKEN cDNA 4930523C07 gene | 0.40 |
| <i>Sacs</i> | sacsin | 0.43 |
| <i>AK158301</i> | RAN binding protein 2 | 0.39 |
| <i>Tll7</i> | tubulin tyrosine ligase-like family, member 7 | 0.38 |
| <i>Synpo2l</i> | synaptopodin 2-like | 0.44 |
| <i>Rgs7bp</i> | regulator of G-protein signalling 7 binding protein | 0.42 |
| <i>Ppp1r14c</i> | protein phosphatase 1, regulatory (inhibitor) subunit 14c | 0.44 |
| <i>Akap6</i> | A kinase (PRKA) anchor protein 6 | 0.42 |
| <i>Kcnma1</i> | potassium large conductance calcium-activated channel, subfamily M, alpha member 1 | 0.38 |
| <i>Prkaa2</i> | protein kinase, AMP-activated, alpha 2 catalytic subunit | 0.37 |
| <i>Rock1</i> | Rho-associated coiled-coil containing protein kinase 1 | 0.42 |
| <i>Gipc2</i> | GIPC PDZ domain containing family, member 2 | 0.42 |
| <i>Gpr21</i> | G protein-coupled receptor 21 | 0.48 |
| <i>AK034707</i> | chr3:142244461-142246549 | 0.38 |
| <i>9330182L06Rik</i> | RIKEN cDNA 9330182L06 gene | 0.45 |
| <i>Lancl3</i> | LanC lantibiotic synthetase component C-like 3 (bacterial) | 0.40 |
| <i>Ccdc141</i> | coiled-coil domain containing 141 | 0.42 |
| <i>AK084689</i> | cyclin-dependent kinase-like 5 | 0.41 |
| <i>Slmap</i> | sarcolemma associated protein | 0.35 |
| <i>Edem3</i> | ER degradation enhancer, mannosidase alpha-like 3 | 0.34 |

Table S9. 50 most highly down regulated genes after noise treatment during the awake phase (12h, 4d)

| ID | Description | log2FC |
|----------------|---|---------------|
| <i>Pck1</i> | phosphoenolpyruvate carboxykinase 1, cytosolic | -1.91 |
| <i>Acsm3</i> | acyl-CoA synthetase medium-chain family member 3 | -1.52 |
| <i>Hp</i> | haptoglobin | -1.47 |
| <i>Adig</i> | adipogenin | -1.28 |
| <i>Klhdc7a</i> | kelch domain containing 7A | -1.27 |
| <i>Ankef1</i> | ankyrin repeat and EF-hand domain containing 1 | -1.05 |
| <i>Mpz</i> | myelin protein zero | -1.05 |
| <i>Gm5148</i> | predicted gene 5148 | -0.91 |
| <i>Arid5a</i> | AT rich interactive domain 5A (MRF1-like) | -0.90 |
| <i>Cd83</i> | CD83 antigen | -0.85 |
| <i>Dusp10</i> | dual specificity phosphatase 10 | -0.81 |
| <i>Dnajb1</i> | DnaJ heat shock protein family (Hsp40) member B1 | -0.77 |
| <i>Tnnt2</i> | troponin T2, cardiac | -0.76 |
| <i>Ppara</i> | peroxisome proliferator activated receptor alpha | -0.74 |
| <i>Bcl6</i> | B cell leukemia/lymphoma 6 | -0.73 |
| <i>Bcl3</i> | B cell leukemia/lymphoma 3 | -0.72 |
| <i>G0s2</i> | G0/G1 switch gene 2 | -0.68 |
| <i>Slc16a1</i> | solute carrier family 16 (monocarboxylic acid transporters), member 1 | -0.67 |
| <i>Pla2g16</i> | phospholipase A2, group XVI | -0.64 |
| <i>Dynlt1f</i> | dynein light chain Tctex-type 1F | -0.63 |
| <i>Sowahc</i> | soondowah ankyrin repeat domain family member C | -0.63 |
| <i>Bambi</i> | BMP and activin membrane-bound inhibitor | -0.62 |
| <i>Angptl4</i> | angiopoietin-like 4 | -0.62 |
| <i>Pnpla2</i> | patatin-like phospholipase domain containing 2 | -0.61 |
| <i>Bcl6b</i> | B cell CLL/lymphoma 6, member B | -0.59 |
| <i>Tnfsf10</i> | tumor necrosis factor (ligand) superfamily, member 10 | -0.59 |
| <i>Tst</i> | thiosulfate sulfurtransferase, mitochondrial | -0.59 |

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|----------------------|--|-------|
| <i>Abra</i> | actin-binding Rho activating protein | -0.57 |
| <i>Cdkn2c</i> | cyclin-dependent kinase inhibitor 2C (p18, inhibits CDK4) | -0.57 |
| <i>Klf2</i> | Kruppel-like factor 2 (lung) | -0.57 |
| <i>Epha2</i> | Eph receptor A2 | -0.55 |
| <i>Arhgef15</i> | Rho guanine nucleotide exchange factor (GEF) 15 | -0.55 |
| <i>Acaa2</i> | acetyl-Coenzyme A acyltransferase 2 (mitochondrial 3-oxoacyl-Coenzyme A thiolase) | -0.55 |
| <i>Fam195a</i> | Mcrip2 - MAPK Regulated Corepressor Interacting Protein 2 | -0.55 |
| <i>ApoE</i> | apolipoprotein E | -0.54 |
| <i>Adora1</i> | adenosine A1 receptor | -0.53 |
| <i>Rcan1</i> | regulator of calcineurin 1 | -0.53 |
| <i>Siah2</i> | seven in absentia 2 | -0.51 |
| <i>AB347309</i> | chr4:103563814-103564162 | -0.51 |
| <i>AK140265</i> | mitochondrially encoded 12S rRNA | -0.51 |
| <i>Spry2</i> | sprouty homolog 2 (Drosophila) | -0.51 |
| <i>Psmb8</i> | proteasome (prosome, macropain) subunit, beta type 8 (large multifunctional peptidase 7) | -0.49 |
| <i>Lmo2</i> | LIM domain only 2 | -0.49 |
| <i>Clk1</i> | CDC-like kinase 1 | -0.48 |
| <i>Vamp5</i> | vesicle-associated membrane protein 5 | -0.48 |
| <i>Etfb</i> | electron transferring flavoprotein, beta polypeptide | -0.48 |
| <i>C130074G19Rik</i> | RIKEN cDNA C130074G19 gene | -0.46 |
| <i>Trib1</i> | tribbles pseudokinase 1 | -0.45 |
| <i>Adh1</i> | alcohol dehydrogenase 1 (class I) | -0.41 |
| <i>Fam43a</i> | family with sequence similarity 43, member A | -0.41 |