

Upregulated Genes D8, fractionation analysis

| Gene names | Protein names | -LOG(P-value) | log ₂ (ratio) | N: peptides | N: Seq. cov. [%] | N: Mol. weight [kDa] |
|------------|---|---------------|--------------------------|-------------|------------------|----------------------|
| Akap5 | A-kinase anchor protein 5 | 2.65 | 4.47 | 29 | 29 | 76 |
| Adamts8 | ADAM Metallopeptidase w. Thrombospondin Type 1 Motif 8 | 3.10 | 4.31 | 21.1 | 20 | 87 |
| Srl | Sarcalumenin | 3.36 | 4.30 | 30 | 30 | 98 |
| Pygm | Alpha-1,4 glucan phosphorylase | 1.17 | 3.99 | 35.9 | 36 | 97 |
| Tnni1 | Troponin I, slow skeletal muscle | 3.00 | 3.66 | 41 | 41 | 22 |
| Etl4 | Epilepsy, Occipitotemporal Lobe, And Migraine With Aura | 2.60 | 3.66 | 14.7 | 15 | 215 |
| Acta1 | Actin, alpha skeletal muscle | 3.63 | 3.57 | 11 | 11 | 42 |
| Mybph | Myosin-binding protein H | 5.40 | 3.52 | 66.9 | 67 | 53 |
| Des | Desmin | 2.23 | 3.51 | 44 | 44 | 53 |
| Akap12 | A-kinase anchor protein 12 | 5.74 | 3.47 | 77.1 | 1 | 173 |
| Cp | Ceruloplasmin | 3.46 | 3.44 | 23 | 23 | 121 |
| Pkp2 | plakophilin 2 | 3.52 | 3.28 | 8.1 | 8 | 89 |
| Csad | Cysteine sulfinic acid decarboxylase | 3.21 | 3.12 | 28 | 28 | 55 |
| Cav3 | Caveolin-3 | 1.64 | 3.09 | 21.9 | 22 | 17 |
| Tnnt2 | Troponin T, cardiac muscle | 4.70 | 3.06 | 43 | 43 | 34 |
| Mb | Myoglobin | 2.36 | 2.88 | 57.1 | 57 | 17 |
| Sord | Sorbitol dehydrogenase | 5.48 | 2.79 | 65 | 57 | 38 |
| Clu | Clusterin | 2.60 | 2.78 | 26.4 | 26 | 51 |
| Sgcd | Delta-sarcoglycan | 2.54 | 2.75 | 19 | 19 | 32 |
| Snap91 | Clathrin coat assembly protein AP180 | 5.57 | 2.69 | 12 | 12 | 91 |
| Bcam | Basal cell adhesion molecule | 2.45 | 2.67 | 16 | 16 | 68 |
| Igfbp5 | Insulin-like growth factor-binding protein 5 | 2.65 | 2.65 | 26.6 | 27 | 30 |
| Ldb3 | LIM domain binding 3 | 4.66 | 2.61 | 5 | 5 | 72 |
| Tnnc2 | Troponin C2 | 3.26 | 2.60 | 64.4 | 64 | 18 |
| Myh1 | Myosine heavy Chain 1 | 5.12 | 2.57 | 35 | 1 | 223 |
| Ogn | Osteoglycin | 3.76 | 2.55 | 25.8 | 26 | 34 |
| Tnnt3 | Troponin T, fast skeletal muscle | 5.47 | 2.54 | 35 | 30 | 30 |

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|------------|--|---------------|--------------------------|-------------|------------------|----------------------|
| Gsta6 | Glutathione S-transferase A6 | 3.30 | 2.49 | 26.1 | 26 | 26 |
| Smyd1 | SET And MYND Domain Containing 1 | 2.71 | 2.48 | 17 | 17 | 57 |
| Tnni2 | Troponin I, fast skeletal muscle | 2.07 | 2.47 | 37.9 | 38 | 21 |
| Myl4 | Myosin light chain 4 | 4.78 | 2.47 | 88 | 77 | 21 |
| Tceal5 | Transcription elongation factor A like 5 | 5.54 | 2.43 | 38.5 | 39 | 22 |
| Afap1l2 | Actin Filament Associated Protein 1 Like 2 | 3.99 | 2.36 | 37 | 37 | 93 |
| Itgb1bp2 | Integrin Subunit Beta 1 Binding Protein 2 | 2.68 | 2.36 | 26.1 | 26 | 39 |
| Unc45b | Unc-45 Myosin Chaperone B | 5.44 | 2.34 | 63 | 63 | 103 |
| Cda | Cytidine deaminase | 1.94 | 2.27 | 31.5 | 32 | 16 |
| Tpm1 | Tropomyosin alpha-1 chain | 2.83 | 2.24 | 10 | 6 | 33 |
| Ephx1 | Epoxide hydrolase 1 | 4.27 | 2.21 | 51 | 51 | 53 |
| Tmem38a | Trimeric intracellular cation channel type A | 2.47 | 2.20 | 20 | 20 | 33 |
| Myh3 | Myosin-3 | 4.91 | 2.19 | 64 | 32 | 224 |
| Cd200 | OX-2 membrane glycoprotein | 3.13 | 2.17 | 25 | 25 | 31 |
| Hspb2 | Heat shock protein beta-2 | 2.53 | 2.14 | 58.2 | 58 | 20 |
| Palmd | Palmdelphin | 4.13 | 2.11 | 50 | 50 | 62 |
| Ckm | Creatine kinase M-type | 3.67 | 2.09 | 59.1 | 59 | 43 |
| Myh7 | Myosin-7 | 3.14 | 2.07 | 3 | 2 | 223 |
| Ldhb | L-lactate dehydrogenase B chain | 3.86 | 2.05 | 59.3 | 59 | 37 |
| Ttn | Titin | 4.78 | 2.04 | 10 | 10 | 120 |
| Osbp16 | Oxysterol-binding protein | 3.35 | 2.03 | 17.7 | 18 | 106 |
| Tnnc1 | Troponin C1 | 2.88 | 2.02 | 55 | 55 | 18 |
| Synpo | Synaptopodin | 5.05 | 1.97 | 43.8 | 11 | 97 |
| Npr3 | Atrial natriuretic peptide receptor 3 | 4.30 | 1.95 | 44 | 44 | 60 |

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|-------------|--|---------------|--------------------------|-------------|------------------|----------------------|
| Gatm | Glycine amidinotransferase, mitochondrial | 3.03 | 1.94 | 39.2 | 39 | 48 |
| Scoc | Short coiled-coil protein | 2.25 | 1.93 | 15 | 15 | 14 |
| Cdkn2b | Cyclin-dependent kinase 4 inhibitor B | 4.38 | 1.92 | 57.4 | 57 | 13 |
| Mylpf | Myosin regulatory light chain 2, skeletal muscle isoform | 3.20 | 1.91 | 86 | 86 | 19 |
| Anxa3 | Annexin;Annexin A3 | 5.81 | 1.86 | 75.9 | 76 | 36 |
| Col11a1 | Collagen alpha-1(XI) chain | 4.43 | 1.83 | 36 | 34 | 181 |
| Synpo2l | | 3.31 | 1.82 | 17.9 | 18 | 103 |
| Gsta1;Gsta3 | Glutathione S-transferase | 3.21 | 1.81 | 60 | 53 | 25 |
| Sema3c | Semaphorin 3C | 3.36 | 1.73 | 35.6 | 36 | 85 |
| Atp2a1 | Calcium-transporting ATPase | 3.40 | 1.72 | 32 | 25 | 109 |
| Klhl41 | Kelch-like protein 41 | 3.62 | 1.72 | 55.6 | 56 | 68 |
| Lmod3 | Leiomodin-3 | 3.14 | 1.71 | 19 | 19 | 66 |
| F3 | Tissue factor | 3.63 | 1.66 | 23.7 | 24 | 34 |
| Ldb3 | LIM domain binding 3 | 3.86 | 1.66 | 45 | 11 | 77 |
| Bcar1 | Breast cancer anti-estrogen resistance protein 1 | 3.97 | 1.56 | 36.4 | 2 | 104 |

Downregulated Genes D8, fractionation analysis

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|------------|--|---------------|--------------------------|-------------|------------------|----------------------|
| Loxl1 | Lysyl oxidase homolog 1 | 3.87 | -1.57 | 18 | 18 | 67 |
| Ehd2 | EH domain-containing protein 2 | 5.72 | -1.62 | 75.7 | 71 | 61 |
| Igfbp7 | Insulin-like growth factor binding protein 7 | 3.43 | -1.62 | 36 | 9 | 29 |
| Thy1 | Thy-1 membrane glycoprotein | 3.45 | -1.64 | 33.5 | 34 | 18 |
| Efemp2 | EGF containing fibulin like extracellular matrix protein 2 | 5.14 | -1.65 | 39 | 39 | 49 |
| Fbn1 | Fibrillin-1 | 3.99 | -1.65 | 42.4 | 42 | 312 |
| Sncg | Gamma-synuclein | 3.99 | -1.67 | 66 | 66 | 13 |
| Plaur | Urokinase plasminogen activator surface receptor | 3.48 | -1.68 | 14.1 | 14 | 36 |
| Emilin1 | Emilin1 elastin microfibril interfacier 1 | 4.56 | -1.74 | 53 | 53 | 95 |
| Prkcdbp | Protein kinase C delta-binding protein | 3.67 | -1.75 | 52.5 | 53 | 28 |
| Grb14 | Growth factor receptor-bound protein 14 | 3.67 | -1.79 | 31 | 31 | 61 |
| Fn1 | Fibronectin;Anastellin | 4.20 | -1.83 | 67.9 | 2 | 272 |
| Synm | Synemin | 5.76 | -1.89 | 9 | 9 | 141 |
| Cd63 | Tetraspanin;CD63 antigen | 3.00 | -1.93 | 40 | 40 | 14 |
| Iqgap3 | Ras GTPase-activating-like protein 3 | 2.43 | -1.97 | 5.4 | 5 | 185 |
| Mfge8 | Lactadherin | 4.47 | -1.99 | 72 | 72 | 47 |
| Fbln5 | Fibulin-5 | 3.80 | -2.08 | 29.7 | 30 | 50 |
| Myo7a | Myosin-VIIa | 4.56 | -2.23 | 35 | 33 | 251 |
| Tpst2 | Protein-tyrosine sulfotransferase 2 | 3.70 | -2.31 | 11.4 | 11 | 42 |
| Atp2b4 | Calcium-transporting ATPase | 3.15 | -2.38 | 17 | 17 | 129 |
| Tgfb1 | Transforming growth factor beta-1 | 2.96 | -2.41 | 19.2 | 19 | 44 |
| Tspan7 | Tetraspanin | 3.71 | -2.41 | 11 | 11 | 22 |
| Nrp2 | Neuropilin-2 | 3.10 | -2.41 | 19.9 | 20 | 104 |
| F13a1 | Coagulation factor XIII A chain | 1.99 | -2.69 | 16 | 16 | 83 |
| Lama4 | Laminin, alpha 4 | 3.19 | -2.83 | 8 | 8 | 197 |

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|------------|---|---------------|--------------------------|-------------|------------------|----------------------|
| Bmper | Binding Endothelial Regulator | 1.51 | -2.99 | 11 | 11 | 76 |
| Kif15 | Kinesin-like protein KIF15 | 3.23 | -3.01 | 6.2 | 6 | 160 |
| Gmpr | GMP reductase;GMP reductase 1 | 2.77 | -3.01 | 46 | 43 | 37 |
| Postn | Periostin | 3.10 | -3.09 | 48 | 32 | 90 |
| Serpine1 | Plasminogen activator inhibitor 1 | 3.59 | -3.28 | 25.4 | 25 | 45 |
| Glul | Glutamine synthetase | 4.85 | -3.38 | 28 | 28 | 42 |
| Zbtb8os | ZBTB8OS zinc finger and BTB domain containing 8 opposite strand | 1.34 | -3.48 | 23.4 | 23 | 20 |
| Gpx1 | Glutathione peroxidase 1 | 3.55 | -3.50 | 59 | 59 | 22 |
| A1m | Alpha-1-macroglobulin | 2.26 | -4.11 | 4.1 | 4 | 167 |
| Fbln2 | Fibulin 2 | 2.45 | -4.39 | 15 | 15 | 131 |
| Kcng4 | KCNQ4 potassium voltage-gated channel subfamily Q member 4 | 1.06 | -4.49 | 4.7 | 5 | 57 |
| Anxa8 | Annexin A8 | 4.76 | -4.53 | 64 | 64 | 37 |
| Trim47 | Tripartite motif-containing protein 47 | 2.98 | -4.56 | 24.3 | 24 | 70 |
| Hspb7 | heat shock protein family B (small) member 7 | 4.73 | -4.91 | 41 | 41 | 19 |