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| --- | --- | --- |
| **Gene** | **Description** | **WT/KO Average** |
| Mrc2 | C-type mannose receptor 2 | 12.53 |
| Dab2 | Disabled homolog 2 | 5.17 |
| Ephx1 | Epoxide hydrolase 1 (Fragment) | 5.02 |
| Farp1 | FERM, RhoGEF and pleckstrin domain-containing protein 1 (Fragment) | 4.37 |
| Acaa2 | 3-ketoacyl-CoA thiolase, mitochondrial | 4.34 |
| Tnfaip2 | Tumor necrosis factor alpha-induced protein 2 | 3.86 |
| Pds5a | Sister chromatid cohesion protein PDS5 homolog A | 3.58 |
| Lama5 | Laminin subunit alpha-5 | 3.38 |
| Aldh1l2 | Mitochondrial 10-formyltetrahydrofolate dehydrogenase | 3.32 |
| Ugdh | UDP-glucose 6-dehydrogenase | 2.85 |
| Timm44 | Mitochondrial import inner membrane translocase subunit TIM44 | 2.82 |
| Cavin1 | Polymerase I and transcript release factor | 2.75 |
| Hspa1a | Heat shock 70 kDa protein 1A | 2.69 |
| Idi1 | Isopentenyl-diphosphate Delta-isomerase 1 | 2.54 |
| Adk | Adenosine kinase | 2.49 |
| Pck2 | Phosphoenolpyruvate carboxykinase [GTP], mitochondrial | 2.46 |
| Ptrh2 | Peptidyl-tRNA hydrolase 2, mitochondrial | 2.45 |
| Hspg2 | Basement membrane-specific heparan sulfate proteoglycan core protein | 2.43 |
| Ctbp1 | Isoform 2 of C-terminal-binding protein 1 | 2.42 |
| Psip1 | PC4 and SFRS1-interacting protein | 2.40 |
| Asph | Aspartyl/asparaginyl beta-hydroxylase | 2.36 |
| Plin2 | Perilipin-2 | 2.35 |
| S100a4 | Protein S100-A4 | 2.30 |
| Srm | Spermidine synthase | 2.29 |
| P4ha1 | Prolyl 4-hydroxylase subunit alpha-1 | 2.20 |
| Ndufs6 | NADH dehydrogenase [ubiquinone] iron-sulfur protein 6, mitochondrial | 2.15 |
| Ndufa5 | NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 5 | 2.15 |
| Ptgr1 | Prostaglandin reductase 1 | 2.06 |
| Psph | Phosphoserine phosphatase | 2.06 |
| Tkt | Transketolase | 2.03 |
| Lman1 | Protein ERGIC-53 | 1.99 |
| Ccar2 | Cell cycle and apoptosis regulator protein 2 | 1.99 |
| Sec61a2 | Protein transport protein Sec61 subunit alpha isoform 2 | 1.98 |
| Yars | Tyrosine--tRNA ligase, cytoplasmic | 1.97 |
| Dpysl3 | Dihydropyrimidinase-related protein 3 | 1.94 |
| Rasa1 | Protein Rasa1 | 1.90 |
| Colgalt1 | Procollagen galactosyltransferase 1 | 1.84 |
| Ctsb | Cathepsin B | 1.84 |
| Slc3a2 | 4F2 cell-surface antigen heavy chain | 1.80 |
| Lamb1 | Laminin subunit beta-1 | 1.80 |
| Oxct1 | Succinyl-CoA:3-ketoacid coenzyme A transferase 1, mitochondrial | 1.80 |
| Prrc1 | Protein PRRC1 | 1.76 |
| Galk1 | Galactokinase | 1.74 |
| Tpm2 | Isoform 2 of Tropomyosin beta chain | 1.73 |
| Atl3 | Atlastin-3 | 1.71 |
| Ndufa9 | NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 9, mitochondrial | 1.69 |

**Table e-1: Proteins Decreased in DNAJB6 KO Myoblasts:** Proteins meeting SILAC threshold of KO/WT ratio of <0.6 and WT/KO ratio of >1.5.