**S1 Table. Sequences of primers used for quantitative real-time PCR**

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| **Gene** | **Gene ID** | **Forward primer** | **Reverse primer** |
| *Acetyl-CoA carboxylase alpha* | *Acaca* | TTTCACTGTGGCTTCTCCAG | TGCATTTCACTGCTGCAATA |
| *Beta-2-microglobulin* | *B2m* | CCCCACTGAGACTGATACATACGC | AGAAACTGGATTTGTAATTAAGCAGGTTC |
| *Elongation of very long chain fatty acids 6* | *Elovl6* | TGCAGGAAAACTGGAAGAAGTCT | AGCGGCTTCCGAAGTTCAA  |
| *Solute carrier family 2 (facilitated glucose transporter), member 1* | *Glut1* | cgggtatcaatgctgtgttc | gtccagctcgctctacaaca |
| *Solute carrier family 2 (facilitated glucose transporter), member 4* | *Glut4* | CTATGCTGGCCAACAATGTC | CCCTGATGTTAGCCCTGAGT |
| *Myosin heavy chain I* | *Mhc I* | CCAAGAGCCGGGACATTG | TTGGAGCTGGGTAGCACAAGA  |
| *Myosin heavy chain IIa* | *Mhc IIa* | GTCTGCGCAAACACGAGAGA | CCAAATCCTGAAGCCTGAGAATAT |
| *Myosin heavy chain IIx* | *Mhc IIx* | CAGATCGGGAGAACCAGTCT | CCTGCATTTTGCCAGAAGTT |
| *Myosin heavy chain IIb* | *Mhc IIb* | AACAGAAGCGCAACATCGAA | TTTAGTCTGTAGTTTGTCCACCAAGTC  |
| *Phosphoenolpyruvate carboxykinase 1* | *Pck1* | TTTGTAGGAGCAGCCATGAG | TGATGATCTTGCCCTTGTGT |
| *Pyruvate carboxylase* | *Pcx* | tccgtgtccgaggtgtaaa  | caggaactgctggttgttga  |
| *Phosphofructokinase* | *Pfkm* | GCCGGCTCAGTGAGACAAG | GATGGCACCTTCAGCAACAAT |
| *Peroxisome proliferator-activated receptor gamma coactivator 1-alpha* | *Pgc1α* | CTACAGACACCGCACACACC | GCGCTCTTCAATTGCTTTCT |
| *60 S ribosomal protein L13a* | *Rpl13a* | GTTCGGCTGAAGCCTACCAG | TTCCGTAACCTCAAGATCTGCT |
| *Stearoyl-CoA desaturase-1* | *Scd1* | TTCTTCTCTCACGTGGGTTG | CGGGCTTGTAGTACCTCCTC |
| *Sterol regulatory element-binding transcription factor 1* | *Srebf1* | GAGGATAGCCAGGTCAAAGC | AGGATTGCAGGTCAGACACA |