**Table S1**. Specific primer sequences for qPCR in the study.

| Gene | Primer sequence (5′-3′) |
|---|---|
| β-actin | F: ATCCGTAAAGACCTGTATGCCA<br>R: GGGGAGCAATGATCTTGATCTTCA |
| 18S rRNA | F: GAGTATGGTTGCAAAGCTGAAAC<br>R: AATCTGTCAATCCTTTCCGTGTCC |
| succinate dehydrogenase (ubiquinone) flavoprotein subunit (*sdha*) | F: AGTTGGACTTCCCGTGTGTTT<br>R: CACCGCTGGCAGAGCTTTAG |
| cytochrome c oxidase subunit 8 (*cox8*) | F: CAAGATCGGACCTGGGCAAAGT<br>R: TTGACCGTGACGGAGGTGTT |
| NADH dehydrogenase (ubiquinone) 1 alpha subcomplex subunit 12(*ndufa12*) | F: GTGTTTGGAGTCCGTCAGCTA<br>R: CAATACCCACCAAGGCTCCA |
| cytochrome c oxidase subunit 6a (*cox6a*) | F: CCAAAACACCTGACCACCC<br>R: CAGGTCCTTGCTCCTCCTTC |
| NADH dehydrogenase (ubiquinone) 1 beta subcomplex subunit 7 (*ndufb7*) | F: AGACCGGAAACATCAGAGGG<br>R: TGATGTAACTCCGCACGAGG |
| ATPase subunit g (*atp20*) | F: TCTGAGGAACGGACTTGTTG<br>R: GCAAAGAGAACAAGCAAACAGG |
| insulin receptor substrate 2 (*irs2*) | F: TTGCCAGCTGTGATTCCCTT<br>R: AGACTGGCTCTGTTTAGTCTTT |
| growth arrest and DNA damage inducible 45b (*gadd45b*) | F: CAGCGGCATATTCGTGGC<br>R: ACCGAGTCCATTCTTTCCGT |
| F-box protein 32 (*fbxo32*) | F: CACATCCTGTTTTGGAAGGATACAA<br>R: AATGCAGCGCAACCTAGAACT |
| forkhead box protein O1 (foxo1-a) | F: CGAGCAGCAAAGAAAAAGGGTG<br>R: GTCCAGGCGTCAAAGTCATC |
| GABA(A) receptor-associated protein (atg8) | F: GCACCCCATCCAAGATGTCTA<br>R: GGATGTTTGGTGCGGACTCT |
| acetyl-CoA carboxylase / biotin carboxylase 2 (acacb) | F: CAACACATCGGTCAGTAGCCT<br>R: TGCTCCGCTGAGAAATGTCC |
| protein phosphatase 1 regulatory subunit 3Ab (ppp1r3ab) | F: ATCTTCACCTGTGCCGAGAC<br>R: CGAAGGCATCAGCAAAGGAC |
| ras homolog gene family member Q (tc10) | F: GGGCGAATGACAAGATGAACT<br>R: TCATTAGAAAGGGTGTCTGTTCTC |
| suppressor of cytokine signaling 3 (socs3) | F: GGGGTGGCTACTTACCGTTC<br>R: GTAACAGGCCTCTCGTCTGG |
| protein phosphatase 1 regulatory subunit 3 (ppp1r3) | F: TAAACCGCTGCCATTGTGTG<br>R: TCTTCAACCGGAAATCGGCT |
| aquaporin 7(aqp7) | F: CCGCCCAGTGACAACCATAC<br>R: GGTGCCATATGGTCTTGTATCCT |
| apolipoprotein A-I (apoa1b) | F: TTTCGCAGCCGTCCAAAAGG<br>R: TGGATGACGATGTTTCAGGTGT |
| long-chain acyl-CoA synthetase(*acsl*) | F: ACAAGACACCGTTCTCCGTAA<br>R: GGTTGGAGTGTATCTGTCAGGC |