

Table S1: Primers used for RT-qPCR in the study.

Gene	Full name	5'→3' primer sequence
18S	18S ribosomal RNA	F: cgccgctagaggtgaaattct R: cattcttggcaaatgctttcg
FAS	Fatty Acid Synthase	F: ggccacctcagtcctgttat R: agggctccagctagagggtaca
aP2	Adipocyte Protein 2	F: aatgtgagcgcctttgt R: tgatgatcaagttgggcttg
PPAR α	Peroxisome proliferator activated receptor α	F: tgcggactaccagtacttaggg R: gctggagagagggtgtctgt
Mcad	Medium-Chain Acyl-CoA Dehydrogenase	F: cttagcttctgcctgtggt R: tgagagacacttctcaggacctt
Lcad	Long-Chain Acyl-CoA Dehydrogenase	F: gcagttacttgggaagagcaa R: ggcatgacaatatctgaatgga
Cpt1 β	Carnitine palmitoyltransferase 1 β	F: ctcctttcctggacgaggt R: gatctggaactgggggatct
Pdk4	Pyruvate dehydrogenase kinase 4	F: gagctgttctcccgtacag R: agttctctcacaggcattttctg
PGC1 α	PPAR γ Coactivator 1 α	F: aaagggccaagcagagaga R: gtaaatacacacggcgctctt
PGC1 β	PPAR γ Coactivator 1 β	F: ttgacagtggagctttgtgg R: gggcttataaggaggtgtgg
Tfam	Mitochondrial transcription factor A	F: agctaaacacccagatgcaaa R: tcagctttaaataccgcttca
Mfn2	Mitofusin-2	F: tcctgggcccctaagaatagc R: gagaggacgctgaacctgat
Nrf1	Nuclear respiratory factor 1	F: atagtctgtctgggaaacc R: tccatgcatgaactccatct
Tfb2m	Mitochondrial Transcription Factor B2	F: caaaacccatcccatcaact R: tcagctttaaataccgcttca
Opa1	Mitochondrial dynamin-like GTPase	F: ggatttcttactgaggta R: cggatcatgatctgttgc
Leptin	Leptin	F: ccaggatcaatgacatttaca R: aatgaagtccaaccggtga
LeptR	Leptin receptor	F: tgtcagaaattctatgtggtttgt R: ttggataggccagggttaagtg
Adiponectin	Adiponectin	F: tggtcacaatgggataccg R: cccttaggaccaagaacacct
InsR	Insulin Receptor	F: cagaaaaaccttctcaggcaat R: ttcaagggatcttcgctttc
Cox1	Cytochrome C oxidase 1	F: tcggaacccctctacctattttg R: ctcgaattagaatacttaaagctgtcc
CycloA	Cyclophilin A	F: ccccatctgctcgaata R: tttgcaatcctgctagacttga