SUPPLEMENTARY TABLE S2. PRIMER SEQUENCES FOR RT-QPCR

Abbreviations	Gene name	Forward (5' - 3')	Reverse (5' - 3')
18S	18S ribosomal RNA	CGAACGTCTGCCCTATCAACTT	CCGGAATCGAACCCTGATT
Ant1	ATP/ADP translocator	CATATGCGGAGTTCACTCAGTTTT	CGTTGCACAAAGGCTTGCT
Cox4i1	Cytochrome c oxidase subunit IV isoform 1	GCAGCCTTTCCAGGGATGA	TCTCGGCGAAGCTCTCGTTA
Cs	Citrate synthase	TGTCCTGCCCCTCCTCATC	GTGCTGGAGTTGGGTTCCAT
Csl	Citrate synthase like	GACAGTTGTGGGCCAGATCA	AAGTCCCTTCATGCCTCTCATG
Cyc1	Cytochrome c1	CCACCCAAGTGACCCTGTTC	CCTGGGCTGCTGAGAGCTT
G6pd2	Glucose-6-phosphate dehydrogenase 2	CACCACTGCTGCACAAGATTG	GGCCACGGCTGCCATATA
Gapdh	Glyceraldehyde 3-phosphate dehydrogenase	AGTATGACTCCACTCACGGCAAAT	GTCTCGCTCCTGGAAGATGGT
Gck	Glucokinase	GCTTTTGAGACCCGTTTTGTG	GCCTTCGGTCCCCAGAGT
Glut1	Glucose transporter type 1	CTGGGCAAGTCCTTTGAGATG	CCGCAGTACACACCGATGAT
Glut2	Glucose transporter type 2	GGCCACCGGTTCTTACATTTC	GCCATCCACACAGTCCATCTG
Glut4	Glucose transporter type 4	CGCACTAGCTGAGCTGAAGGA	AGGAGCTGGAGCAAGGACATT
Hk1	Hexokinase 1	GACCCGAGGCATCTTCGA	AGCAGCGCTAATCGGTCACT
Hk2	Hexokinase 2	CGCCGGATTGGAACAGAA	CCCGTCGCTAACTTCACTCACT
Hk3	Hexokinase 3	GCACCGTCACCTTTTTGCA	CAAGCAACAGCAGTAACCAAAGC
Ldh1	Lactate dehydrogenase 1	CGCCCCCCCATCGT	GTTGCCATCTTGGACTTTGAATC
Ldh2	Lactate dehydrogenase 2	GCTGCCGTCCCGAACA	TGCCATACCCACTTGTCCAA
Nrf1	Nuclear factor E2-related factor 1	CAGCAAGTGAGATTCTGTACAATGC	TGACATTCTGATTGATGGGAGTGT
Nuclear respiratory factor 1	Nuclear respiratory factor 1	GCTCAGCTTCGGGCATTTATC	CCCCCAGCCTGGTTTCC
Pgc1a	Peroxisome proliferator activated receptor gamma co-activator 1a	CCGTAGGCCCAGGTACGA	TGCGGTATTCATCCCTCTTGA
Pgc1b	Peroxisome proliferator activated receptor gamma co-activator 1b	TCCTGTAAAAGCCCGGAGTAT	GCTCTGGTAGGGGCAGTGA
Proinsulin	Proinsulin	GAGCAGGTGACCTTCAGACCTT	TGATCTACAATGCCACGCTTCT
Sco1	Cytochrome c oxidase assembly protein	TCAGCTGCAGTGAACCAGTATAGTC	TCCGAGTTCAATTCTCAGTAACCA
Sco2	Cytochrome c oxidase assembly protein	TGGGCCAGGGTGACTTCA	GAAGTCGGCTTTGCATCGA
Sdha	Succinate dehydrogenase complex, subunit A, flavoprotein	GCTGGTGTGGATGTCACTAAGG	CCCACCCATGTTGTAATGCA
Sdhb	Succinate dehydrogenase complex, subunit B, iron sulfur	CAGGCCTATCGCTGGATGA	GGCCAGGCGTTCCTCTGT
Sdhc	Succinate dehydrogenase complex, subunit C, integral membrane protein	TCAGAAATGCTGCTCCTTTGG	TTCTTCCAGAACCGCTCCAT
Sdhd	Succinate dehydrogenase complex, subunit D, integral membrane protein	CCATGCTGTGGAAGCTCTGA	GAGGCAAGGAGGCACACAAT
Sdhaf1	Succinate dehydrogenase complex assembly factor 1	TCCCCGCCCCTTGCT	CGAGCGCGGCAAAAAG
Sdhaf2	Succinate dehydrogenase complex assembly factor 2	AGCGGGAATCAGCATCAGTT	AAGTAGGCCCAATGCTATTTGTCT
Ucp2	Uncoupling protein 2	CTGTCTCGTCTTGCCGATTGA	TCCTGCTACCTCCCAGAAGATG

The specificity of primers has been validated using melting curve analysis. The PCR efficiencies of the primers were between 90% and 110%, which were determined using purified mRNA of 3T3-L1 cells and/or MIN6 cells.