

Supplementary Table 1**Primers Used for the qPCRs**

Gene name	Forward (5' to 3')	Reverse (5' to 3')
ACADS	AGCGGCTCAGGTGAAGAAG	GCGTAGGCCAGGTAATCGAG
ACADM	TGGATAACCAACGGAGGAAAAG	CTGGGGTATCTGCTTCCACA
ADADVL	TAGGAGAGGCAGGCAAACAGCT	CACAGTGGCAAACCTGCTCCAGA
CPT1A	GATCCTGGACAATACCTCGGAG	CTCCACAGCATCAAGAGACTGC
CPT2	GCAGATGATGGTTGAGTGCTCC	AGATGCCGCAGAGCAAACAAGTG
ECH1	CGATACCAGGAGACCTTCAACG	GGAAGAAAGCATCCTGGGCACA
PGC1a	GGAAGTGCAGGCCTAACTCC	CACTGTCCCTCAGTTCACCG
TFAM1	ATGCTTATAGGGCGGAGTGG	TGGTTTCCTGTGCCTATCCA
NRF1	CCAGTGGCCACACAGAACTC	CTTCCTTTCCCTTCCACTGC
SCD	TCTTCTCTCACGTGGGTTGG	AGCCAGGTTTGTAGTACCTCCT
SOD1	AGGGCATCATCAATTTTCGAG	CCATCTTTGTCAGCAGTCAC
SOD2	AGAAGTACCAGGAGGVGTTG	AGTGTCCCCGTTCTTATTG
GPX1	GAAGTGCGAGGTGAACGGTG	GGGATCAACAGGACCAGCAC
CAT	CTGGGACTTCTGGAGCCTAC	CAACTGGGATGAGAGGGTAG
BIP	TGTTCAACCAATTATCAGCAAACCTC	TTCTGCTGTATCCTCTTCACCAGT
XBP1s	CTGAGTCCGAATCAGGTGCAG	ATCCATGGGGAGATGTTCTGG
XBP1u	CAGCACTCAGACTACGTGCA	ATCCATGGGGAGATGTTCTGG