Table S1. PCR primers used in this study.

Gene	Forward Seuence (5' to 3')	Reverse Seuence (5' to 3')
mouse-Ucp-1	AGGCTTCCAGTACCATTAGGT	CTGAGTGAGGCAAAGCTGATTT
mouse-Dio2	GATGCTCCCAATTCCAGTGT	TGAACCAAAGTTGACCACCA
mouse-Pgc1α	CCCTGCCATTGTTAAGACC	TGCTGCTGTTCCTGTTTTC
mouse-Cidea	ATCACAACTGGCCTGGTTACG	TACTACCCGGTGTCCATTTCT
mouse-Cytochrome C	GCAAGCATAAGACTGGACCAAA	TTGTTGGCATCTGTGTAAGAGAATC
mouse-Prdm16	CAGCACGGTGAAGCCATTC	GCGTGCATCCGCTTGTG
mouse-Pparγ	GTGCCAGTTTCGATCCGTAGA	GGCCAGCATCGTGTAGATGA
mouse-C/ebpβ	AGCGGCTGCAGAAGAAGGT	GGCAGCTGCTTGAACAAGTTC
mouse-C/ebpα	TGCGCAAGAGCCGAGATAAA	CCTTCTGTTGCGTCTCCACG
mouse-Fabp4	AAGGTGAAGAGCATCATAACCCT	TCACGCCTTTCATAACACATTCC
mouse-Tfam	GGGTATGGAGAAGGAGGCCC	TCCCTGAGCCGAATCATCCT
mouse-Nrf1	AGGGCGGTGAAATGACCATC	CGGCAGCTTCACTGTTGAGG
mouse-Ampka1	GTCAAAGCCGACCCAATGATA	CGTACACGCAAATAATAGGGGTT
mouse-Ampka2	AAGATCGGACACTACGTCCTG	TGCCACTTTATGGCCTGTCAA
mouse-Ampkβ1	GACGCCGACATCTTCCACTC	GGGCTTTATCATTCGCTTCCAG
mouse-Ampkβ2	ACCATCTCTATGCACTGTCCA	CAGCGTGGTGACATACTTCTT
mouse-Cpt1b	GAGACAGGACACTGTGTGGGTGA	TGGTACGAGTTCTCGATGGCTTC
mouse-Plin1	TGGACCACCTGGAGGAAAAG	CTTCGAAGGCGGGTAGAGATG
mouse-Fasn	ACCTCTCCCAGGTGTGTGAC	CCTCCCGTACACTCACTCGT
mouse-Acc1	CTCTGCTAGAGCTGCAGGAT	CTGGGAAACTGACACAGGAC
mouse-Ppara	ATGCCAGTACTGCCGTTTTC	GGCCTTGACCTTGTTCATGT
mouse-Glut4	GATGAGAAACGGAAGTTGGAGAGA	GCACCACTGCGATGATCAGA
mouse-Atgl	TGTGGCCTCATTCCTCCTAC	TCGTGGATGTTGGTGGAGCT
mouse-Hsl	CACCCATAGTCAAGAACCCCTTC	TCTACCACTTTCAGCGTCACCG
mouse-Acss1	AGATCCTGAAGACTCTGCCTGTCC	TTGCATCACTCACCAATGTCCA
mouse-Acsl5	CATTCGGCGGGACAGTTTG	ATCCCATTGCAGCCCTGAAG
mouse-Acsl1	TGCCAGAGCTGATTGACATTC	GGCATACCAGAAGGTGGTGAG
mouse-Acadl	CTACCTCATGCAAGAGCTTCCACA	CTTCAAACATGAACTCACAGGCAGA
mouse-Acadm	TGATGTGGCGGCCATTAAGA	GGGTTAGAACGTGCCAACAAGAA
mouse-Acads	AAGTTTGGATCCGCACAGCAG	CAAGCTTTGGTGCCGTTGAG
mouse-Acaa2	GGCTCTGGTTTCCAGTCCATC	GAAGCGCACATTTCTGACACAGTA
mouse-Ndufs1	CGGAAATTGCCGAACAGGTC	CTGACCCCTCAAAACCCTGG
mouse-Ndufs2	CAGCCAGATATTGAATGGGCA	TGTTGGTCACCGCTTTTTCCT
mouse-Ndufs3	TGGCAGCACGTAAGAAGGG	CTTGGGTAAGATTTCAGCCACAT
mouse-Sdha	GGAACACTCCAAAAACAGACCT	CCACCACTGGGTATTGAGTAGAA
mouse-Sdhb	ATTTACCGATGGGACCCAGAC	GTCCGCACTTATTCAGATCCAC
mouse-Uqcrc2	AAAGTTGCCCCGAAGGTTAAA	GAGCATAGTTTTCCAGAGAAGCA
mouse-Uqcrc1	AGACCCAGGTCAGCATCTTG	GCCGATTCTTTGTTCCCTTGA
mouse-Uqcrch	GTGGACCCCCTAACAACAGTG	CGGGAAGACACGCGATTATCA
mouse-Cox5b	GCTGCATCTGTGAAGAGGACAAC	CAGCTTGTAATGGGTTCCACAGT
mouse-Cox8b	GAACCATGAAGCCAACGACT	GCGAAGTTCACAGTGGTTCC
mouse-Cox7a1	CAGCGTCATGGTCAGTCTGT	AGAAAACCGTGTGGCAGAGA

mouse-Atp5b	GGTTCATCCTGCCAGAGACTA	AATCCCTCATCGAACTGGACG
mouse-ppia	GAGCTGTTTGCAGACAAAGTTC	CCCTGGCACATGAATCCTGG
mouse-mtNd1	CCTATCACCCTTGCCATCAT	GAGGCTGTTGCTTGTGTGAC
mouse-mtCox1	CTACTATTCGGAGCCTGAGC	GCATGGGCAGTTACGATAAC
mouse-Fatp4	GGGGCCAATAAACTCTGCCT	TCCCAAGGGCTAAGCGAAAG
mouse-Adam12	CAGCAACTCCTGTGACCTCC	GTACCAATGACAGGTCGGCT
mouse-Ern1	GAAGCCTCCTGAGAGTCAGC	GAAGGTGAGCTGACGAGACC
mouse-mt18S	AGGAATTGACGGAAGGG CAC	GTGCAGCCCCGGACATCTA AG
Human-UCP-1	CTGGAATAGCGGCGTGCTT	AATAACACTGGACGTCGGGC
Human-PGC1α	ACCTGACACAACACGGACAG	GTCTCCATCATCCCGCAGAT
Human-PPIA	TTCATCTGCACTGCCAAGAC	TCGAGTTGTCCACAGTCAGC