

Supplementary Table 1. Primers used in quantitative real-time polymerase chain reaction

Gene	Sequence (5'–3')
<i>Stat3</i> -F	GCAATACCATTGACCTGCCG
<i>Stat3</i> -R	AACGTGAGCGACTCAAACCTG
<i>Pomc</i> -F	GCAACCTGCTGGCTTGCATC
<i>Pomc</i> -R	CATGACGTACTTCCGGGGATT
<i>Agrp</i> -F	GCAGACCGAGCAGAAGATGT
<i>Agrp</i> -R	TTGAAGAAGCGGCAGTAGCA
<i>Npy</i> -F	CCCGCCATGATGCTAGGTAAC
<i>Npy</i> -R	TGATGTAGTGTTCGACAGAGCG
<i>Fabp4</i> -F	AGAAGTGGGAGTTGGCTTCG
<i>Fabp4</i> -R	ACTCTCTGACCGGATGACGA
<i>Fasn</i> -F	GCCTAACACCTCTGTGCAGT
<i>Fasn</i> -R	GGCAATACCCGTTCCCTGAA
<i>Lpl</i> -F	CCATGGATGGACGGTGACAG
<i>Lpl</i> -R	ATAATGTTGCTGGGCCCGAT
<i>Ucp1</i> -F	CCACTGTTGTCTTCAGGGCT
<i>Ucp1</i> -R	CCTTGGATCTGAAGGCGGAC
<i>Ptpn1</i> -F	CGTCAGTGCAGGATCAGTGG
<i>Ptpn1</i> -R	CAATGAGGGGGCTCTGCTT
<i>Socs3</i> -F	TCTTTACCACCGACGGAACC
<i>Socs3</i> -R	GTACCAGCGGGATCTTCTCG
<i>Cidea</i> -F	AGAAATGGACACCGGGAAT
<i>Cidea</i> -R	TGAAGCTTGTGCAGCGGATA
<i>Cycl1</i> -F	GACGATGGTACCCAGCTAC
<i>Cycl1</i> -R	CCCATGCGTTTTTCGATGGTC
<i>Cox4i1</i> -F	AAGAGCTACGTGTATGGCCC
<i>Cox4i1</i> -R	TTCATGTCCAGCATCCGCTT
<i>Atp5b</i> -F	CATTTAGGGGAGAGCACCGT
<i>Atp5b</i> -R	ATTTTGATTGGTGCCCCCGA
<i>Ppargc1a</i> -F	TTCAGGAGCTGGATGGCTTG
<i>Ppargc1a</i> -R	GGGCAGCACACTCTATGTCA
<i>Cpt1a</i> -F	GCCCTGAGACAGACTCACAC
<i>Cpt1a</i> -R	ACGAGGGTCCGTTTTCTCTTC
<i>Gapdh</i> -F	TACCAGGGCTGCCTTCTCTTG
<i>Gapdh</i> -R	GGATCTCGCTCCTGGAAGATG
<i>Adipoq</i> -F	CCAAAAGTTCCAGGACTCAGGA
<i>Adipoq</i> -R	CCCGGTATCCCATTTGTGACC
<i>Perk</i> -F	GCTTGCTCCCACATCGGATA
<i>Perk</i> -R	CTAAGGACCTGCCGCGAG
<i>Xbp1</i> -F	CTGAGTCCGCAGCAGGTG
<i>Xbp1</i> -R	ATGAGGTCCCCACTGACAGA

Stat3, signal transducer and activator of transcription 3; F, forward primer; R, reverse primer; *Pomc*, pro-opiomelanocortin; *Agrp*, agouti-related peptide; *Npy*, neuropeptide Y; *Fabp4*, fatty acid binding protein 4; *Fasn*, fatty acid synthase; *Lpl*, lipoprotein lipase; *Ucp1*, uncoupling protein 1; *Ptpn1*, protein tyrosine phosphatase non-receptor type 1; *Socs3*, suppressor of cytokine signaling 3; *Cidea*, cell death-inducing DNA fragmentation factor, alpha subunit-like effector A; *Cycl1*, cytochrome c1; *Cox4i1*, cytochrome c oxidase subunit 4I1; *Atp5b*, ATP synthase, H⁺ transporting mitochondrial F1 complex, beta subunit; *Ppargc1a*, PPARG co-activator 1 alpha; *Cpt1a*, carnitine palmitoyltransferase 1A; *Gapdh*, glyceraldehyde 3-phosphate dehydrogenase; *Adipoq*, adiponectin, C1Q and collagen domain containing; *Perk*, protein kinase-like endoplasmic reticulum kinase; *Xbp1*, X-box binding protein 1.