

Supplementary Table 1. Primer sequences for real-time quantitative polymerase chain reaction

Gene	Forward primer sequence	Reverse primer sequence
(m) <i>Senp2</i>	5'-CAG TCT CTA CAA TGC TGC CA-3'	5'-CAG AAG GGG CCA CAT TC-3'
(m) <i>Cpt1b</i>	5'-AAG TGT AGG ACC AGC CCC GA-3'	5'-TGC GGA CTC GTT GGT ACA GG-3'
(m) <i>Acs11</i>	5'-CTG GTT GCT GCC TGA GCT TG-3'	5'-TTG CCC CTT TCA CAC ACA CC-3'
(m) <i>Stat3</i>	5'-GCT TCA GGG AGA GCA GCA AA-3	5'-CTC CTC CTT GGG AAT GTC GG-3'
(m) <i>Ppara</i>	5'-TGT CGA ATA TGT GGG GAC AA-3'	5'-AAT CTT GCA GCT CCG ATC AC-3'
(m) <i>Pparδ</i>	5'-GGA CCA GAA CAC ACG CTT CCT T-3'	5'-CCG ACA TTC CAT GTT GAG GCT G-3'
(m) <i>Pparγ</i>	5'-GGA AGA CCA CTC GCA TTC CTT-3'	5'-GTA ATC AGC AAC CAT TGG GTC A-3'
(m) <i>Leprb</i>	5'-GCA TGC AGA ATC AGT GAT ATT TGG-3'	5'-CAA GCT GTA TCG ACA CTG ATT TCT TC-3'
(m) <i>Gapdh</i>	5'-AGG TCG GTG TGA ACG GAT TTG-3'	5'-TGT AGA CCA TGT AGT TGA GGT CA-3'
(m) <i>Ucp2</i>	5'-ATG GTT GGT TTC AAG GCC ACA-3	5'-TTG GCG GTA TCC AGA GGG AA-3'
(m) <i>Aco</i>	5'-GCC ATT CGA TAC AGT GCT GTG AG-3'	5'-CCG AGA AAG TGG AAG GCA TAG G-3'
(m) <i>Fas</i>	5'-CAC AGT GCT CAA AGG ACA TGC C-3'	5'-CAC CAG GTG TAG TGC CTT CCT C-3'
(m)ChIP <i>Cpt1b</i> PPRE	5'-GAG CAG CAG TGG TCC CTG AG-3'	5'-TGC TGG AAG GTC TGG GAC TG-3'
(m)ChIP <i>Cpt1b</i> STAT3	5'-GGA CTG ATG CAA CCA TGC TC-3'	5'-AGA ACA CCC TCC TTT TGG GG-3'
(m)ChIP <i>Acs11</i> PPRE	5'-GGT GAC TCT ACT CTC AGC TGC-3'	5'-CTT ACC AGG CTG CCA AGG TCT-3'

m, mouse; *Senp2*, SUMO-specific protease 2; *Cpt1b*, carnitine palmitoyl transferase 1b; *Acs11*, long-chain acyl-coenzyme A synthetase 1; *Stat3*, signal transducer and activator of transcription 3; *Ppar*, peroxisome proliferator-activated receptor; *Leprb*, leptin receptor b; *Gapdh*, glyceraldehyde-3-phosphate dehydrogenase; *Ucp2*, uncoupling protein 2; *Aco*, acyl-coenzyme A oxidase; *Fas*, fatty acid synthase; ChIP, chromatin immunoprecipitation; PPRE, PPAR response element.