

Table SI. Sequences of primers used for RT-qPCR.

Primers	Sequence (5'→3')	Accession no.	(Refs.)
<i>Atrogin-1</i>	F: atgcacactggcagagag R: tgtaagcacacaggcaggtc	NM-026346	(51)
<i>Klotho</i>	F: tctcaagaagttcataatggaacc R: cagaaagtcaacgtagaagagtctt	NM_013823.2	(52,53)
<i>Nox2</i>	F: actccttgggtcagcactgg R: gttcctgtccagttgtcttcg	NM_007807.4	(54,55)
<i>Srebp-1</i>	F: atggcgcggaagctgtcgggtagcgtc R: actgtcttgggtgtgatgagctggagcat	NM_011480	(56)
<i>Cpt-1</i>	F: ggacagagactgtgcgttctt R: gcgatatccaacagtgttga	NM_013495.2	(57)
<i>Ppara</i>	F: cgtacggcaatggctttatc R: aacggcttctcagttctt	NM_011144.6	(58)
<i>Pparγ</i>	F: ggaagaccactgcattcctt R: tcgcaacttggatttcttggag	NM_011146	(59)
<i>Aco</i>	F: atgaatcccgatctgcgaaggagc R: aaaggcatgtaaccgtagcactcc	NM_007386.2	(60)
<i>Tnfa</i>	F: cctgtagcccagctcgtagc R: ttgacctcagcgtgagttg	NM_013693	(61)
<i>Il-6</i>	F: gtactccagaagaccagaggg R: tgctggtgacaaccacggcc	NM_001314054.1	(62)
<i>Il-1β</i>	F: aacctgctgggtgtgacgttc R: cagcagaggctttttgtgt	NM_008361.4	(63)
<i>Crp</i>	F: ggggtgtgctgaagtacgat R: ccaagactgctttgcatca	NM_007768.4	(64)
<i>Sirt1</i>	F: gcaacagcatctgcctgat R: gtgctactggctcactt	NM_019812.3	(65)
<i>Pgc1α</i>	F: gactcagtgaccaccgaaa R: tgaacgagagcgcattcctt	NM_008904.2	(66)
<i>Nrf1</i>	F: ttggaacagcagtgcaaga R: ctcaactgctgatgtattacttccat	NM_001164226.1	(67)
<i>Tfam</i>	F: ggaatgtggagcgtgctaaaa R: tgctggaaaaacacttcggaata	NM_009360.4	(68)
<i>Ucp1</i>	F: cctgcctctctcggaacaaa R: ttaggctgccaatgaaca	NM_009463.3	(69)
<i>Ucp2</i>	F: gcctctggaaggagttctc R: accagctcagcacagttgaca	NM_011671.5	(70,71)
<i>Igf1r</i>	F: cacgacgatgagtgcatgc R: gagcagaagtcaccgaatcga	NM_010513.2	(72)
<i>Irs1</i>	F: atagcgttaactggacatcacag R: gcacgtaccatctactgaagag	NM_010570.4	(73)
<i>Pi3k</i>	F: aggagcgttacagcaagaa R: gccgaacaccttttgagtc	NM_001024955.2	(74)
<i>Akt</i>	F: gaccacgaccgcctctg R: gacacaatctccgaccatagaag	NM_009652.3	(75)
<i>mtor</i>	F: ctgggactcaaatgtgtgagttc R: gaacaatagggtgaatgatccggg	NM_020009.2	(74)
<i>S6k</i>	F: tgagtcaagccttggctcgag R: aagagtcgagagagacgccc	NM_031985.1	(76)
<i>4ebp1</i>	F: cggaaagataagcgggagcag R: cagtgctcctggtatgag	NM_007918	(76)
<i>Gapdh</i>	F: ccaatgtgccctcgtggtatct R: gttgaagtcgaggagacaacc	NM_001289726.1	(77)

*Nox2*, NADPH oxidase 2; *Srebp-1*, sterol regulatory element-binding protein 1c; *Aco*, acyl-CoA oxidase; *Cpt-1*, carnitine palmitoyltransferase 1; *Ppar*, peroxisome proliferator-activated receptor; *Tnfa*, tumor necrosis factor  $\alpha$ ; *Il*, interleukin; *Crp*, C-reactive protein; *Sirt1*, NAD-dependent deacetylase sirtuin-1; *Pgc1α*, peroxisome proliferator-activated receptor  $\gamma$  coactivator 1- $\alpha$ ; *Nrf1*, nuclear respiratory factor 1; *Tfam*, mitochondrial transcription factor A; *Ucp*, uncoupling protein; *Igf1r*, insulin-like growth factor 1 receptor; *Irs1*, insulin receptor substrate 1; *Pi3k*, phosphoinositide 3-kinase; *Akt*, protein kinase B; *mtor*, mechanistic target of rapamycin; *S6k*, ribosomal protein S6 kinase; *4ebp1*, eukaryotic translation initiation factor 4E (eIF4E)-binding protein 1; F, Forward; R, Reverse.