

Supplementary Table 3.

Gene specific primer sequences used in the study

mRNA	Forward primer	Reverse primer	MeltingT° (°C)	Product length	Gen Bank code
PPAR-α	AATGTGGCCAGGACATTGGA	AACAAGTGCCAGCCAGGTTT	60°	198	NM_011144.6
CPT-1α	CCTCACCGCCAATTCCAAAA	AAGTCAAACGGTGGAGCCTA	60°	196	NM_013495.2
ACOX	AAGCTACGTGCAGCCAGATT	TTGCACGGCTCTGTCTTGAA	58°	195	NM_015729.3
SREBP-1c	TGCAGTCTGCTTTGGAACCT	AGCTGGTGCAGCTTATGGTA	60°	164	NM_011480.4
FAS	ACAAGCAACGTGAGCTCACT	TCAAGTTTCAGGGTGCCATT	58°	182	NM_007988.3
ACCβ	ACCAGGGCAAATGCATCAGT	TCGGAAAAGCATCGGGAAGT	60 °	185	NM_133904.2
SCAD-1	TCAGGCCATGTTCCAAAGCA	AGCTCACAGGCACTACAGAT	60°	162	NM_009127.4
FGF21-α	AATCCTGGGTGTCAAAGCCT	ATGTTGCATCCTGGTTTGGG	60°	197	NM_020013.4
Selenoprotein	AAGGCCAAAGCTCTGCTTGT	ATGCGCAGGTCTTCCAATCT	60°	157	NM_001042614.2
AMPK	TGTGGAACCCTCCCTTTTGA	AACCACTCGTGTTCCCTGAT	60°	179	NM_001013367.3
PGC-1α	ACGGGTGTCAGCTTTGCTTT	TCGCCCTTGTTCTGTTCTGTT	60°	163	NM_008904.2
NRF-2	ACTTAGCCGTGCATTACGGT	TGCATCCGTGCCAGTTTCTT	60°	171	NM_008065.2
β-ATP synthase	CCAAGGGTGGGAAAATCGGA	GGTCCTCTCACCAACACCAG	60°	131	NM_016774.3
β-Klotho	ACATGTACAACCGCACGAGT	AATCCACAAAGGGGTTGGCA	60°	171	NM_031180.2
FGFR1	AGTGGCCGTGAAGATGTTGA	ATTGCCTTTGGAGGCGTACT	60°	175	NM_001079908.2
ERK1/2	TGCGCTTCAGACATGAGAAC	ATCATTGCTGAGGTGCTGTG	60°	146	NM_011949.3
FRS2α	TGCACTTTAGCAGGGGTTGT	AACGGCGCCTCTTTAAGACT	60°	164	NM_177798.3
RSK1	TGGCGTCATCTCCCATGAAT	TGCTCGAAGTCATGTGCAGA	60°	170	NM_009097.5
cFos	TGTGTTCTGGAATAGCGT	CCACCTCGACAATGCATGAT	60°	167	NM_010234.3

LKB1	TGTGGACGTGCTGTACAATG	CGGCTTGATGTCCTTGTGAA	60°	199	NM_011492.4
β-actin	ACTGCCGCATCCTCTTCCTC	CTCCTGCTTGCTGATCCACATC	58°	149	NM_007393.5

Sequences are listed in the 5' → 3' direction. Abbreviations: PPAR-α, peroxisome proliferator-activated receptor-α; CPT-α, carnitine-palmitoyl transferase-1α; ACOX, acyl-CoA oxidase; SREBP-1c, Sterol regulatory element binding protein 1c; FAS, fatty acid synthase; AACβ, acetylCoA carboxylase-β; SCAD-1, stearyl-CoA desaturase-1; FGF21, fibroblast growth factor 21; FGFR1, FGF receptor-1; ERK1/2, extracellular-signal regulated kinase 1 and 2; FRS2α, FGF21 receptor substrate-2α; RSK1, ribosomal S6 kinase-1; LKB1, liver kinase B-1.