

Supplementary Table 3

Sequences for real-time PCR primers

Gene	GenBank ID	Sequence (5' → 3', Forward primer/Reverse primer)	Product length (bp)
Nrf2	XM_013984303.2	ATCCAGCGGATTGCTCGTAG TCAAATCCATGTCCTTGGCG	155
Keap1	NM_001114671.1	TCTGCTTAGTCATGGTGACCT GGGGTTCCAGATGACAAGGG	158
HO-1	NM_001004027.1	TGATGGCGTCCTTGTACCAC GACCGGGTTCTCCTTGTTGT	71
SOD1	NM_001190422.1	CATTCATCATTGGCCGCAC TTACACCACAGGCCAAACGA	118
SOD2	NM_214127.2	CAAGAAGGGGCACCACGTT CTCAGGGGACGCAAGAACTG	70
GCLC	XM_003482164.4	CTAGTGGGTAGGCGGACTGG CGGTGTCGTGCTCTAGCTTC	81
GCLM	XM_001926378.4	GGACAAAACCCAGTTGGAGC TCACACAGCAAGAGGCAAGA	86
GPX1	NM_214201.1	CCTCAAGTACGTCCGACCAG GTGAGCATTGCGCCATTCA	85
GPX4	NM_214407.1	TGTGTGAATGGGGACGATGC CTTCACCACACAGCCGTTCT	135
GR	AY368271.1	GTGAGCCGACTGAACACCAT CAGGATGTGAGGAGCTGTGT	141
SREBP1c	NM_214157.1	GCGACGGTGCCTCTGGTAGT CGCAAGACGGCGGATTTA	218
PPAR $\alpha$	NM_001044526.1	GGCACTGAACATCGAATGTAGAAT TGCAACCTTCACAGGCATGA	80
ACC	NM_001114269.1	ATCCCTCCTGCCTCTCCTA ACTTCCCGTTCAGATTCCG	208
SCD1	NM_213781.1	ATTGGGAGCTGTGGGTGAG AAGTTGATGTGCCAGCGGTA	90
FAS	NM_001099930.1	TACCTTGTGGATCACTGCATAGA GGCGTCTCCTCCAAGTTCTG	113
MTTP	NM_214185.1	AGCAAAATGGTCCGTCGAGT CGAATGGGGACCACGTTCTA	114
CD36	NM_001044622.1	TGACCCAGCACTTGAAGCAA AAGATATCAGTTAGGAGTCCGATGA	130
FATP1	NM_001083931.1	AGGTCTGGCGTGGGTCAAAG GGAGTAGAGGGCAAAGCAGG	208
L-FABP1	NM_001004046.2	AGGGGACATCGGAAATCGTG TCACACTCCTCTCCAAGGT	103
LPL	NM_214286.1	CACATTCACCAGAGGGTC TCATGGGAGCACTTCACG	177

HSL	NM_214315.3	GCAGCATCTTCTCCGCACA AGCCCTTGCGTAGAGTGACA	195
CPT1 $\alpha$	NM_001129805.1	TCAAAAACGGCAAGATGGGC TGGAATGTTGGGGTTGGTGT	155
SIRT1	NM_001145750.2	TTGCAACAGCATCTTGCCTG GGACATCGAGGAACCACCTG	91
PGC-1 $\alpha$	NM_213963.2	GCTTGACGAGCGTCATTAG GGTCTTCACCAACCAGAGCA	100
NRF1	XM_021078993.1	GAAGCTGTCCAGGGGCTTTA ATCCATGCTCTGCTACTGGG	116
ERR $\alpha$	NM_001170521.1	ACGAGTGCAGATCACCAAG TTGTACTTCTGTCGCCACC	130
TFAM	NM_001130211.1	AGCGAGGTCTGAAGAGTTGC TTGCACCCGTAGACAAAGCA	114
POLG	XM_001927064.5	CTGTCAGATGAGGGCGAGTG ACTTCTCCGTCGTGACTTTCT	133
NDUFA1	XM_003135339.5	GCTTCCGGGAAGGAATCAA CCGGGGAGAATTCGAACCA	101
NDUFA4	NM_001097468.2	AACCCTGGAATAAACTGGGTCC TGCGGATGGCTTCTGGAAAA	152
NDUFA6	NM_001185178.1	TCTCAGAGCCTTGCATGTCG AAGCCATCCAGCATCGTACC	85
NDUFA13	NM_001244646.1	ATGAAGGATGTGCCGACTG CCATAGGTGGCGCTGAGAAAT	125
NDUFB1	XM_003482306.4	TGCCTCCGGAACAAGAGTC GCAATTCAGCCACAGCCTTT	88
SDHA	XM_021076930.1	CAATAAGAGGTCGTCCGCCA AGAGAGACCAAACGCAGCTC	127
SDHB	NM_001104953.1	TCCTATGGTGTGGATGCGT AGTGTGCCTCCGTTGATGT	124
UQCRB	NM001185172.1	CATCAGGCAACGTTCTGTGTC TATACCCTCCAGCCACTTGC	81
CytC	NM_001129970.1	CTGGGGAGAGGAGACTGAT AGGCGGTGGCCAACTTTTAC	158
COX IV	XM_021093705.1	CCAAGTGGGACTACGACAAGAAC CCTGCTCGTTTATTAGCACTGG	131
COX V	NM_001007517.1	ATCTGGAGGTGGTGTTCCTACTG GTTGGTGATGGAGGGGACTAAA	160
ATP5A1	NM_001185142.1	ACGCCATTGATGGAAAGGGT TGGTCCCGCACAGAGATTC	98
ATP5B1	XM_001929410.5	CATGTTGGGCTTTGTGGGTC ATAGTCTCTGGCAGGCTGGA	139
ATP5G1	NM_001025218.2	GTGAGTCAGTCACCTTGAGC GAGAAATGAGTAGCGCCCCG	110

MCP1	NM_214214.1	AAACGGAGACTTGGGCACAT GCAAGGACCCTTCCGTCATC	74
F4/80	XM_021083974.1	TCCTTCTCTTTTGGGGGTGT GCCATTGACTCCAACGGAGA	73
CD11c	XR_002342355.1	GGAGCAAATGGACAGACCGT GAATGCAGGTGCAAAGGCAA	95
TLR4	GQ304754	TTTCTTGCAGTGGGTCGAGG GGAAGGTGAGAACTGACGCA	161
MyD88	NM001099923.1	GTGCCGTCGGATGGTAGTG TCTGGAAGTCACATTCCCTTGCTT	65
TRAF6	NM_001105286.1	GCTGCATCTATGGCATTGAAG CCACAGATAACATTTGCCAAAGG	71
NF-KB, p65	NM_001114281.1	GGGGCGATGAGATCTTCCTG CACGTCGGCTTGTGAAAAGG	110
TNF- $\alpha$	NM_214022.1	GCCCTTCCACCAACGTTTTTC CAAGGGCTCTTGATGGCAGA	97
IL6	NM_214399.1	ACAAAGCCACCACCCTAAC CGTGGACGGCATCAATCTCA	185
IL1 $\beta$	NM_214055.1	ATTCAGGGACCCTACCCTCTC ATCACTTCCTTGGCGGGTTC	92
IL10	NM_214041.1	CGGCCAGTGAAGAGTTTCT GGCAACCCAGGTAACCCTTA	98
$\beta$ -actin	XM_003124280.5	CTCCAGAGCGCAAGTACTCC AATGCAACTAACAGTCCGCC	153
mt D-loop (mtDNA analysis)	AF276923.1	GCCTTGCCAAACCCCAAAAA TAGGTGCCTGCTTTCGTAGC	137
$\beta$ -actin (mtDNA analysis)	DQ452569.1	GAAGCTCAGTCGGGCTTCTC ATGTCGACGTCGCACTTCAT	95

Nrf2, nuclear factor erythroid-derived 2-like 2; Keap1, Kelch-like ECH-associated protein 1; HO1, heme oxygenase 1 ; SOD1, superoxide dismutase 1 ; SOD2, superoxide dismutase 2; GCLC, glutamate-cysteine ligase catalytic subunit; GCLM, glutamate-cysteine ligase modifier subunit; GPX1, glutathione peroxidase 1; GPX4, glutathione peroxidase 4; GR, glutathione reductase ; SREBP1c, sterol regulatory element binding protein 1c; PPAR $\alpha$ , peroxisome proliferator activated receptor alpha; ACC, acetyl-CoA carboxylase; SCD1, stearoyl-CoA desaturase 1; FAS, fatty acid synthase; MTTP, microsomal triglyceride transfer protein; CD36, cluster of differentiation 36; FATP1, fatty acid transport proteins 1; L-FABP1, liver fatty acid binding proteins 1; LPL, lipoprotein lipase; HSL, hormone-sensitive lipase; CPT1 $\alpha$ , carnitine palmitoyltransferase 1 alpha; SIRT1, sirtuin 1; PGC-1 $\alpha$ , peroxisome proliferation activated receptor gamma coactivator-1 alpha; NRF1, nuclear respiratory factor 1; ERR $\alpha$ , estrogen-related receptor alpha; TFAM, mitochondrial transcription factor A; POLG, polymerase gamma; NDUFA1, NADH dehydrogenase (ubiquinone) 1 alpha subcomplex 1; NDUFA4, NADH dehydrogenase (ubiquinone) 1 alpha subcomplex 4; NDUFA6, NADH dehydrogenase (ubiquinone) 1 alpha subcomplex 6; NDUFA13, NADH dehydrogenase (ubiquinone) 1 alpha subcomplex 13; NDUFB1, NADH dehydrogenase (ubiquinone) 1 beta subcomplex 1; SDHA, succinate dehydrogenase complex flavoprotein subunit A; SDHB, succinate dehydrogenase

complex iron sulfur subunit B; UQCRB, ubiquinol-cytochrome c reductase binding protein; CytC, cytochrome c; COX IV, cytochrome c oxidase IV; COX V, cytochrome c oxidase V; ATP5A1, ATP synthase alpha subunit; ATP5B, ATP synthase beta polypeptide; ATP5G1, ATP synthase F0 complex subunit C1; MCP1, monocyte chemotactic protein 1; F4/80, adhesion G protein-coupled receptor E1; CD11c, integrin alpha X; TLR4, toll-like receptor 4; MyD88, myeloid differentiation factor 88; TRAF6, tumor necrosis factor receptor-associated factor 6; NF- $\kappa$ B, nuclear factor- $\kappa$ B; TNF- $\alpha$ , tumor necrosis factor alpha; IL-6, interleukin 6; IL1 $\beta$ , interleukin 1 $\beta$ ; IL10, interleukin 10; mt D-loop, mitochondrial D-loop;  $\beta$ -actin, beta actin.