

Supplementary Materials

Table S1 The primers sequences used in real-time PCR.

Gene	Name	Sequences (5'-3')	Accession (Gene ID)
<i>hk1</i>	hexokinase 1	F: 5' ACTTTGGGTGCAATCCTGAC 3' R: 5' AGACGACGCACTGTTTGTG 3'	NM_213252
<i>pk1r</i>	pyruvate kinase L/R	F: 5' TCCTGGAGCATCTGTGTCT 3' R: 5' GTCTGGCGATGTTTCATTCT 3'	NM_201289
<i>gck</i>	glucokinase	F: 5' GCTGTGAAGTCGGCATGATA 3' R: 5' CTTCACCCAGCTCCACCTTAC 3'	NM_001045385
<i>pck1</i>	Phosphoenolpyruvate carboxykinase 1	F: 5' ATCAGCATCGCTAAAGAGG 3' R: 5' CCGCTGCGAAATACTTCTTC 3'	NM_214751
<i>gys1</i>	glycogen synthase 1	F: 5' GCAGCTCAG TGTGACGAACC 3' R: 5' GGTCCCCCTGCTTCCTTATCC 3'	NM_201180
<i>g6pca.1</i>	glucose-6-phosphatase a, catalytic subunit, tandem duplicate 1	F: 5' TCACAGCGTTGCTTTCAATC 3' R: 5' AACCAGAAACATCCACAGC 3'	NM_001003512
<i>acox3</i>	Acyl-CoA oxidase 3	F: 5'-AAGGACATCGAGCGAATGAT 3' R: 5'-CTATGAAAGAGTGGAGGCCG 3'	NM_213147
<i>Cpt1aa</i>	Carnitine palmitoyltransferase1Aa	F: 5'-ACTCTCGATGGACCCCTGTGA-3' R: 5'-CTGGATGAAGGCATCTGGAC-3'	NM_001044854
<i>cd36</i>	Thrombospondin receptor	F: 5'AGGCCACTGTGAACCTGAAG 3' R: 5'AAGTTGGGGTTCATTCCGAC 3'	NM_001002363
<i>srebf1</i>	Sterol regulatory element binding protein1	F: 5'CATCCACATGGCTCTGAGTG 3' R: 5'CTCATCCACAAAGAAGCGGT 3'	NM_001105129
<i>acaca</i>	acetyl-CoA carboxylase alpha	F: 5' GCATAGGGCAGGTTTTACCA 3' R: 5'GCCATCATACGAGAGCAACA3'	NM_001271308
<i>fasn</i>	Fatty acid synthase	F: 5'GAGAAAGCTTGCCAAACAGG3' R: 5'GAGAAAGCTTGCCAAACAGG3'	XM_009306806
<i>pik3r1</i>	phosphoinositide-3-kinase, regulatory subunit 1	F: 5' ACATGGCTCTGCAAGATGCT3' R: 5' GGAGGCATCTCGGACCAAAA3'	NM_001281844
<i>pik3ca</i>	phosphatidylinositol-4,5-bisphosphate 3-kinase, catalytic subunit alpha	F: 5' CGCAATGAGAGGATGAGCGA3' R: 5' ACGCTGTACGATGGAACAA 3'	XM_009306176
<i>akt1s1</i>	AKT1 substrate 1 (proline-rich)	F: 5' TCGGCGAGGTGTCTTCTCAAT 3' R: 5' ACCCATTGCCATACCACGAG 3'	XM_687419
<i>bcl2a</i>	BCL2 apoptosis regulator a	F: 5' GATTTACCAACGCGAATTTGAGGA 3' R: 5' GTCCCACCAAACTCGAAGAATG 3'	NM_001030253
<i>mcl1a</i>	MCL1 apoptosis regulator, BCL2 family member a	F: 5' AGCTCTTTAGCGATGGCACCACAA 3' R: 5' AGCCATCCCATGCTTTGTTTCTGA 3'	NM_131599
<i>atg7</i>	autophagy related 7 homolog	F: 5'ACGGTGATGCTGTTGGTCTG 3' R: 5' TTTGTCCGTGGATTGAAGG 3'	XM_021479676
<i>p62</i>	sequestosome 1	F: 5' TGGTGCTACTGCCTCTTCTCA 3' R: 5' GGGTTACTTTGGTCCGCTTT 3'	NM_001312913
<i>atg5</i>	autophagy related 5 homolog	F: 5' TGGAGTATCCCACCGAAGA3' R: 5' TGCCGTGAATCATAACCTG 3'	NM_205618
<i>atg12</i>	autophagy related 12 homolog	F: 5' TCATCTCACGCTTCCTCAA 3' R: 5' TCACCTCCGAAACACTCAAA 3'	NM_001246200
<i>p65</i>	RELA	F: 5' GGAGAAGCGCAAGAGAACTGA 3' R: 5' CGTAGGGAATGGCCGCTCTT 3'	NM_001001839
<i>tnf a</i>	Tumor necrosis factor a	F: 5' AGACCTTAGACTGGAGAGATGAC 3' R: 5' CAAAGACACCTGGCTGTAGAC 3'	NM_212859
<i>tnf β</i>	tumor necrosis factor b	F: 5' TCAGAAACCCAACAGAGAACATC 3' R: 5' ACCCATTCAGCGATTGTCC 3'	NM_001024447
<i>nf-κb2</i>	kappaB kinase/NF-kappaB cascade	F: 5' GAAGCATTACAGGCTCGGTGA 3' R: 5' CAGGTCTGTCGGTCCCTTTC 3'	NM_001001840
<i>il-1b</i>	interleukin 1, beta	F: 5' TGGCGAACGTCATCCAAG 3' R: 5' GGAGCACTGGGCGACGCATA3'	NM_212844
<i>jak3</i>	Janus kinase 3 (a protein tyrosine kinase, leukocyte)	F: 5' AACAGAGCGAGCAGCAGAGAG 3' R: 5' GTGTGACCACCTTTCCTTCC 3'	XM_002663087
<i>stat3</i>	signal transducer and activator of transcription 3 (acute-phase response factor)	F: 5'ACAGCAGGATGGCCAGGTTGC 3' R: 5'TCTGTCTGGTGGCTGCTGCCT 3'	NM_131479
<i>tp53</i>	tumor protein p53	F: 5' GCAGTCTGGCACAGCAAAATCTGT 3' R: 5' TCAGCCACATGCTCGGACTTCTTA 3'	NM_131327
<i>siva1</i>	apoptosis-inducing factor	F: 5' CCGCTACCGACAGGAGATCTACGA3' R: 5' GGTGTGGAGCGCGCTCTGTGCAGT 3'	NM_001327928
<i>baxa</i>	BCL2 associated X, apoptosis regulator a	F: 5 GTCGGAGTTTTCTCGCTGGAGTT 3' R: 5' AGGCGGTTTACCTCTCAATGCTT 3'	NM_131562
<i>caspa</i>	caspase a	F: 5' GACGGTGAGCCTGATGAGCCAA 3' R: 5' CCTGAACAGTTCCTCGATGTGA 3'	NM_131505
<i>β-actin</i>	actin, beta 1	F: 5' TCCCTGTATGCCTCTGGTCGT 3' R: 5'AAGCTGTAGCCTCTCTCGGTC 3'	NM_131031