

Table S1. Primers sequence for qRT PCR.

Gene	Official name	Forward (5' → 3')	Reverse (5 → 3')
<i>FoxO1</i>	Forkhead box O1	GCTTTTGTCCAGATGGAGGT	CGCACAGAGCACTCCATAAA
<i>Irs1</i>	Insulin receptor substrate 1	ATGGCGAGAGCCCTCCGGATACC	CTCATAATACTCCAGGCGCGC
<i>Irs2</i>	Insulin receptor substrate 2	GCCCGAACCTCAATAACAAC	CTTGTGGCCGTGCTTCTG
<i>PI3K</i>	Phosphatidylinositol 3-kinase	TAGCTGCATTGGAGCTCCTT	TACGAACTGTGGGAGCAGAT
<i>Ppargc1a</i>	Peroxisome proliferative activated receptor, gamma, coactivator 1 alpha	GTCAACAGCAAAAGCCACAA	TCTGGGGTCAGAGGAAGAGA
<i>Pck1</i>	Phosphoenolpyruvate carboxykinase 1	GACAGCCTGCCCCAGGCAGTGA	CTGGCCACATCTCGAGGGTCAG
<i>Gck</i>	Glucokinase	GAGATGGATGTGGTGGCAAT	ACCAGCTCCACATTCTGCAT
<i>Fbp1</i>	Fructose bisphosphatase 1	GACCCCTGCCATCAATGAGTA	GTTGGCGGGGTATAAAAAGA
<i>G6pc</i>	Glucose-6-phosphatase	TGCTGCTCACTTTCCCCACCAG	TCTCCAAAGTCCACAGGAGGT
<i>Acaca</i>	Acetyl-Coenzyme A carboxylase	GGACAGACTGATCGCAGAGAAAG	GCTGTTCTCAGGCTCACAT
<i>Acox1</i>	Acyl-Coenzyme A oxidase 1	GTGCAGCTCAGAGTCTGTCCAA	TACTGCTGCGTCTGAAAATCCA
<i>Cpt1a</i>	Carnitine palmytoil transferase 1	CTCCATGACTCGGCTCTTC	AGCTTGAACCTCTGCTCTGC

*primer sequences were blasted using Blastn.