

Supplemental materials

Table S1: Real-time PCR primer sequences of the indicated genes

Gene name	Forward Sequence	Reverse Sequence
<i>Gck</i>	5'-CCTGGGCTTCACCTTCTCCTT-3'	5'-GAGGCCTTGAAGCCCTTGGT-3'
<i>Srebp-1c</i>	5'-GGAGCCATGGATTGCACATT-3'	5'-AGGCCAGGGAAGTCACTGTCT-3'
<i>Srebp-2</i>	5'-CTGCAGATCCCGCAGTACAG-3'	5'-GGTGGATGAGGGAGAGAAGGT-3'
<i>Pck1</i>	5'-AGTCACCATCACTTCCTGGAAGA-3'	5'-GGTGCAGAATCGCGAGTTG-3'
<i>Fas</i>	5'-CAGGAACTGAACGGCATTACCTC-3'	5'-CATTTTCTAGGGATAACAGCAC-3'
<i>Acl</i>	5'-GCTGAAGACATTAAGAGACACCTGTT-3'	5'-AAATTGAATAGGCCGGAGATGA-3'

Gck, glucokinase; *Srebp-1c*, Sterol regulatory element-binding protein 1; (*Srebp2*), Sterol regulatory element-binding protein 2; (*Pck1*), Phosphoenolpyruvate Carboxykinase 1; *Fas*, Fatty acid synthase; *Acl*, ATP citrate lyase.

Table S2: Antibody sources and dilution folds

Protein name	Catalog No.	Dilution fold	Manufacture
Fatty acid synthase (FAS)	#3180S	1: 1000	Cell Signaling Technology
ATP citrate lyase (ACL)	#4332S	1: 1000	Cell Signaling Technology
Glucokinase (GCK)	#sc-7908	1: 500	Santa Cruz Biotechnology Inc
Phosphoenolpyruvate carboxykinase (PEPCK-C)	#10004943	1: 1000	Cayman Chemical
Insulin receptor β subunit (IR β)	#610109	1: 1000	BD Biosciences

β -actin	#4970 s	1: 1000	Cell Signaling Technology
Anti-rabbit IgG, HRP-linked Antibody	#7074	1: 1000	

Note: Antibodies are diluted in TBST (10 mM Tris, 150 mM NaCl, 0.1% Tween 20, pH 7.5) containing 5% bovine serum albumin or 5% non-fat milk. All antibodies were used according to the manufacturer's instructions.