

## Online Supporting Material

Supplemental Table 1. Primer sets for real-time PCR.

<u>Target Gene</u>	<u>Sequence</u>
ACC2	Forward: CAGGTTCTTCATCCGAGCCATC Reverse: GTTGTTGAACGCCACCTCCAG
ATF4	Forward: CATCTGTATGAGCCCTGAGTC Reverse: CGAGAACCACGAGGAACACC
Chop	Forward: CCAGCAGAGGTCACAAGCAC Reverse: CGCACTGACCACTCTGTTTC
DAD1	Forward: GAACAAGGCGGATTTCCAAGG Reverse: GTCTCCA ACTCCACGGTAAGG
DGAT2	Forward: GCCATCACCGTCCCTAAGC Reverse: CAGTTCACCTCCAGCACCTCAG
FAS	Forward: TGCTGCCGTGTCCTTCTACTAC Reverse: CACCCAAGTCCTCGCCGTAG
GRP78	Forward: AACCCAGATGAGGCTGTAGCA Reverse: ACATCAAGCAGAACCAGGTCAC
GRP94	Forward: CTGCGTCCTGCTGACCTTC Reverse: CATCGTCTGTCCGTGAGCC
MGAT2	Forward: CTACACCACCATTCGGAGTTTC Reverse: GCATCTCGGGTCAAGGCTAG
SCD1	Forward: GTTGGGTGCCTTATCGCTTTCC Reverse: CTCCAGCCAGCCTCTTGTCTAC
SREBP1C	Forward: TGGTGGGCACTGAAGCAAAG Reverse: CACTTCGTAGGGTCAGGTTCTC
SRP54	Forward: GTCTGCGATTGATCTTGAGGAG Reverse: TGCTTCCCTTAGTCGGTGTC
SRPR	Forward: TACAGTGCCTGGTAGACAAGTG Reverse: CAGACAGCCTTCACCTTATTGC

Primer sets were designed by Beacon designer program version 3.1. ACC2, acetyl-CoA carboxylase-2; ATF4, activating transcription factor-4; Chop, CCAAT/enhancer-binding protein homologous protein; DAD1, defender against cell death 1; DGAT2, diacylglycerol acyltransferase-2; FAS, fatty acid synthase; GRP78, glucose regulated protein 78; GRP94, glucose regulated protein 94; MGAT2, mannosyl ( $\alpha$ -1,6-) glycoprotein  $\beta$ -1,2-N-acetylglucosaminyltransferase; SCD1, steroyl-CoA desaturase-1; SREBP1c, sterol regulatory element binding protein 1c; SRP54, signal recognition particle 54; SRPR, signal recognition particle receptor (docking protein).