

Supplementary table 1: Nucleotide sequences of primers used for real time quantitative PCR in sham-operated (SH) and ovariectomized (OVX) rats after 8 weeks of intervention

Gene	Forward primer (5' to 3')	Reverse primer (5' to 3')
<i>Acc1</i>	TGCAGGTATCCCCACTCTTC	TTCTGATTCCTTCCCTCCT
<i>Atgl</i>	CACCTTAGCTCCAAGGATGA	TGGTTCAGTAGGCCATTCTCT
<i>Cd36</i>	GTCCTGGCTGTGTTTGGGA	GCTCAAAGATGGCTCCATTG
<i>Cebpa</i>	AGCCGAGATAAAGCCAAACA	CCTTGACCAAGGAGCTCTCA
<i>Cpt1b</i>	GCAAACCTGGACCGAGAAGAG	CCTTGAAGAAGCGACCTTTG
<i>Emr1</i>	GATGTGGAGGATGGGAGATG	GCACGAAACAACAGGAAGGT
<i>Fas</i>	CGGCGAGTCTATGCCACTAT	ACACAGGGACCGAGTAATGC
<i>Had</i>	ATCGTGAACCGTCTCTTGGT	AGGACTGGGCTGAAATAAGG
<i>Hprt</i>	TCCCAGCGTCGTGATTAGTGA	CCTTCATGACATCTCGAGCAAG
<i>Hsl</i>	TCACGCTACATAAAGGCTGCT	CCACCCGTAAAGAGGGAACT
<i>Insr</i>	AACGACATTGCCCTGAAGAC	CATCCTGCCCATCAAACCTCT
<i>Irs1</i>	CTACACCCGAGACGAACACT	TAACTGCCAGACCTCCTTG
<i>Lpl</i>	TATGGCACAGTGGCTGAAAG	CTGACCAGCGGAAGTAGGAG
<i>Mgl1</i>	CTCCAACACCAAGGCTGAAC	GGTCTTCAAGTCCTTCCCA
<i>Pparg2</i>	CTGGACCTCTGCTGGTGAT	CCGTGGTAAAGGGTTTGATG
<i>Ppia</i>	CCAAACACAAATGGTTCCAGT	ATTCCTGGACCCAAAACGCT

The table shows the nucleotide sequences of primers used for PCR amplification. Primer pairs for PCR were designed using Primer3 software and the sequence information were obtained from Genbank. *Acc1*: acetyl CoA carboxylase 1; *Atgl*: adipose triglyceride lipase; *Cd36*: fatty acid translocase: homologue of CD36; *Cebpa*: CCAAT/enhancer binding protein alpha; *Cpt1b*: carnitine palmitoyltransferase 1 beta; *Emr1*: EGF-like module containing, mucin-like, hormone receptor-like 1; *Fas*: fatty acid synthase; *Had*: hydroxyacyl-CoA dehydrogenase; *Hprt*: hypoxanthine guanine phosphoribosyl transferase; *Hsl*: hormone-sensitive lipase; *Insr*: insulin receptor; *Irs1*: insulin receptor substrate 1; *Lpl*: lipoprotein lipase; *Mgl1*: C-type lectin domain family 10, member A; *Pparg2*: peroxisome proliferator-activated receptor gamma 2; *Ppia*: peptidylprolyl isomerase A.