

Supplementary Table S1. Primer for gene expression analysis.

Gene	Forward primer	Reverse primer
<i>Agrp</i>	GCCTCAAGAAGACAACCTGCAGAC	AAGCAGGACTCGTGCAGCCTTA
<i>Atp5f1</i>	GTCCAGGGGTATTACAGGCAA	TCAGGAATCAGCCCAAGACG
<i>Cav1</i>	CACACCAAGGAGATTGACCTGG	CCTTCCAGATGCCGTCGAACT
<i>Crtc1</i>	CGTGAACCAGATTGGAAGCAGC	CAAGTCTGCCACGCTCACGATA
<i>Eef2</i>	CAGAAGTACCGTTGTGAGCTGC	GTCAGAGGTTGGCACCATCTTG
<i>Fasn</i>	CACAGTGCTCAAAGGACATGCC	CACCAGGTGTAGTGCCTTCCTC
<i>Foxo1</i>	AGTGGATGGTGAAGAGCGTG	TTCTCCGGGGTGATTTTCCG
<i>G6pc</i>	AGGTCGTGGCTGGAGTCTTGTC	GTAGCAGGTAGAATCCAAGCGC
<i>Gck</i>	ACTTCAGGGTGATGCTGGTG	GGAAGGAGAAGGTGAAGCCC
<i>Ghsr</i>	AGTCTCATCGGGAGGAAGCT	ACAAAGGACACCAGGTTGCA
<i>Gys2</i>	CAGCACCATTAGACGAATCGGAC	CCAAGGTGACAACCTCGGACAA
<i>Insr</i>	GATGTCCCATCAAATATTGCCAAA	CGGCACGTACACAGAAGATG
<i>Irs2</i>	CACAACCTATCGTGGCACCT	AAGGTCTCTGAACTGTGGCG
<i>Lepr</i>	AACTGCAGTCTTCGGGGATG	GCTGCAGTGACATCAGAGGT
<i>Mc3r</i>	GGCCACTGCAAGGTAGATGT	GAGAACAAGGAGGCAGACCC
<i>Mc4r</i>	TATGCCCTCCGGAGTCAAGA	ATCGGGCCAGAGTGACAAAG
<i>Mest</i>	CCGGCTCACCATAAAGAGTC	ACGGTCCAAAGACTGGAGTG
<i>Npy</i>	TACTCCGCTCTGCGACACTACA	GGCGTTTTCTGTGCTTTCCTTCA
<i>Pik3r1</i>	CAGTTTGCCCCTCCTGATGTT	CGTGTACGTCGATCATCTCCA
<i>Plin1</i>	CTCTGGGAAGCATCGAGAAG	GATCCACATGGCCAGAGAGT
<i>Pomc</i>	AGAGACTAGGCCTGACACGT	CGTACTTCCGGGGGTTTTCA
<i>Pparg</i>	AAGAGCTGACCCAATGGTTG	GCATCCTTCACAAGCATGAA
<i>Rer1</i>	GCCTTGGAATTTACCACCT	CTTCGAATGAAGGGACGAAA
<i>Rpl13a</i>	AGCCTACCAGAAAGTTTGCTTAC	GCTTCTTCTTCCGATAGTGCATC
<i>Slc2a2</i>	GTTGGAAGAGGAAGTCAGGGCA	ATCACGGAGACCTTCTGCTCAG
<i>Slc2a4</i>	GGTGTGGTCAATACGGTCTTCAC	AGCAGAGCCACGGTCATCAAGA
<i>Socs3</i>	CACACAAGGAGCCAAACACA	TAGCCACCTGGGTGAATCC
<i>Srebf1</i>	CGACTACATCCGCTTCTTGCA	CCTCCATAGACACATCTGTGCC
<i>Stat3</i>	GTTCTGGCACCTTGGATT	CAACGTGGCATGTGACTCTT