

Table S2. Primers used for qPCR.

Gene symbol	Sequence 5'-3'	Tm(°C)	Size(bp)
UCP1	ATCTCAGCGGGCCTAACAAC CTTTCCAAAGCCCCGTCAAG	61.4	178
PGC1 α	CCACAAATGATGACCCTC GGTTTGGCTTGTAGATGTT	59.0	103
ELOVL3	ATGAGGCCCTTTTGGAGGAG CACATCCTCAGTGTCCCGAA	61.4	182
PPAR γ	GTGTCACTCCTGAACGAAAT GGAAATGCTGGAGAAGTCAA	61.4	156
FASN	CTGCTCAGTGGGCTCCTCA TGGCGGTCAGTGGCTATGT	61.4	187
FABP4	ACTGGGATGGGAAATCAACC CCTTGGCTTATGCTCTCTCG	59.0	117
CPT1A	CGTCGCCTTCCAGTTCACAG CACAACCACGATGAGCCAACT	61.4	181
ACOX1	CGTAGCCAGCGTTATGAGGT TCCAGGCAGGCATGAAGAAG	61.4	220
CPT2	GTGGACTCGGCTGTGTTCT TGCCATCCTTGGCTATAAT	61.4	142
PFDN5	AAGACAGCTGAGGATGCCAAG AGGGTTGTGAGCTGCTGAATC	61.4	155
UCP1 promoter 1	CTGAGCTCGCGCTTGTTT GTCCCGAAGGTGGAAGTT	60	465
UCP1 promoter 2	TTCACCACACTGCCATAC GTCCCGAAGGTGGAAGTT	60	819
UCP1 promoter 3	CCACATCAGATGGAACCA GTCCCGAAGGTGGAAGTT	60	1437
UCP1 promoter 4	CAATACTTTGGCCACCTG GTCCCGAAGGTGGAAGTT	60	1972
ChIP-qPCR	CATCGAGGGTAGAGAGTAGA CCTCCGCGGATGACTTATAT	61.4	159
ND1	CCGAAAAGGTCCAAACGTCG ATTGAGGATGTGGCAGGTCG	61.4	105
Nuclear TBP	CAGTGCAGATTCTGTCCACG CAGTGCAGATTCTGTCCACG	61.4	118