

Table S1. The primers for RT-qPCR

Gene	Primer	Sequence (5'-3')	Length (bp)	T _m (°C)
UCP1	Forward	ATCTCAGCGGGCCTAACAAC	178	60
	Reverse	CTTTCCAAAGCCCCGTCAAG		
PGC1 α	Forward	CCACAAATGATGACCCTC	103	60
	Reverse	GGTTTGGCTTGTAGATGTT		
CPT1A	Forward	CGTCGCCTTCCAGTTCACAG	181	53.7
	Reverse	CACAACCACGATGAGCCAACT		
FASN	Forward	TCTCCACCTGTGTGTGTTCC	187	60
	Reverse	TGGGGGTCCATATTGTGTGC		
FABP4	Forward	GGGCCAGGAATTTGATGAAGTC	117	60
	Reverse	GGTGTTGATTTCCCATCCCA		
ELOVL3	Forward	ATGAGGCCCTTTTTGGAGGAG	182	61.3
	Reverse	CACATCCTCAGTGTCCCGAA		
ELOVL6	Forward	TGTCAGAGATGACAAGGGCT	121	62.5
	Reverse	CTTGTTTCGCACGGATTCTC		
PPARG	Forward	GTGTCACTCCTGAACGAAAT	156	60
	Reverse	GGAAATGCTGGAGAAGTCAA		
ATGL	Forward	TCCTGAGAACTTCGCACCTG	142	60
	Reverse	GCAGCCACACACAAGTGAAG		
D-loop	Forward	ATCTCTCCTAAAATCGCCC	192	58.2
	Reverse	GCAGTGAAGTCCACCTACAA		
TBP	Forward	TCGCCAAGAATAGTGTGCTG	202	58.2
	Reverse	CCGTAAGGCATCATTGGACT		
HSP70	Forward	ACGTGGCTTTCACCGATACC	183	60
	Reverse	TAGGCTTGTCTCCGTCGTTG		
HSP90	Forward	CTTGGCGGTCAAGCATTTTT	176	60
	Reverse	GGTATTCAGGGATTAGCTCC		
HSF1	Forward	CAACATGGCTAGCTTCGTGC	180	60
	Reverse	GTGGACACGCTGGTCACTT		
PFDN5	Forward	AAGACAGCTGAGGATGCCAAG	155	60
	Reverse	AGGGTTGTGAGCTGCTGAATC		
GAPDH	Forward	GCAAGTTCCACGGCACAG	249	61.3
	Reverse	GGTTCACGCCCATCACAA		