

Supplemental materials

Table S1. Primer information

Primers	Assay type	Forward sequence	Reverse sequence	Target transcript variants
<i>Bmp7</i>	SYBR green	CACCCTCGATACCACCATCG	GCAAGAAGAGGTCCGACTCC	NM 007557.3
<i>Cebpa</i>		GCAAGCCAGGACTAGGAGAT	AATACTAGTACTGCCGGGCC	NM 001287514.1; NM 007678.3
<i>Cebpb</i>		AAGCTGAGCGACGAGTACAAGATG	TTGAACAAGTTCCGCAGGGTGCT	NM 001287738.1
<i>Esrra</i>		GGTGTGGCATCCTGTGAGGC	AGGCACTTGGTGAAGCGGCA	NM 007953.2; XM 006527111.3; XM 030250950.1; XM 017318209.2
<i>Fabp4</i>		CGACAGGAAGGTGAAGAGCATCATA	CATAAACTCTTGTGGAAGTCACGCCT	NM 024406.3
<i>Fat1</i>		CTCCTAGTAGGCGTGGGTCT	CACGGGGTCTCAACCATTCA	NM 001159558.1
<i>Gata2</i>		CCCTATCCCGTGAATCCGC	CCACCTCCATGGTCCACTAC	NM 008090.5
<i>Myf6</i>		GTGGACCCCTACAGCTACAAACC	TGGAAGAAAGGCGCTGAAGAC	NM 008657.3
<i>Myod1</i>		TCTGGAGCCCTCCTGGCACC	CGGGAAGGGGGAGAGTGGGG	NM 010866.2
<i>mtDNA</i>		CGATAAACCCCGCTCTACCT	AGCCCATTTCTTCCCATTTC	AP014941.1
<i>nDNA</i>		CCTTGGGTCCTTGGCTTCGTTCT	CTCAGCAATCAGCCGTCCAATTCCTA	AC091473.2
<i>Pparg</i>		GATGTCTCACAATGCCATCAG	TCAGCAGACTCTGGGTTCAG	NM 001308354.1; XM 006505743.4; XM 017321455.2; XM 006505739.3; XM 006505738.4; XM

			006505737.4
<i>Ppargc1a</i>	TCCTCTGACCCCAGAGTCAC	CTTGGTTGGCTTTATGAGGAGG	XM 006503779.4; XM 030254205.1; XM 017320718.2; XM 006503776.4; XM 006503774.4 NM 001177995.1; NM 001291026.1; NM 001291029.1; NM 027504.3; XM 006539174.4; XM 006539175.5.4; XM 006539173.4; XM 006539172.4; XM 006539171.4; XM 006539178.4; XM 006539179.1
<i>Prdm16</i>	AAGGAGGCCGACTTTGGATG	TTTGATGCAGCTCTCCTGGG	NM 009360.4; XM 017313918.2 NM 001310520.1; NM 033327.2; XM 030243879.1; XM 011248561.3; XM 030243878.1; XM 030243877.1; XM 030243876.1; XM 017313033.2; XM 011248560.3; XM 006531539.3
<i>Tfam</i>	GCTTGGAACCAAAAAGAC	CCCAAGACTTCATTTTCATT	NR 003278.3
<i>Znf423</i>	GTCACCAGTGCCCAGGAAGAAGAC	AACATCTGGTTGCACAGTTTACACTCAT	
<i>18S</i>	GTAACCCGTTGAACCCCAT	CCATCCAATCGGTAGTAGCG	

Primer	Assay type	Assay ID	
<i>Actb</i>		Mm02619580_g1	NM 007393
<i>Ctnnb1</i>		Mm00483039_m1	NM 001165902.1; NM 007614.3
<i>Mfn2</i>	TaqMan probe	Mm00500120_m1	NM 001285920.1; NM 001285921.1; NM 001285922.1; NM 001285923.1; NM 133201.3
<i>Ucp1</i>		Mm01244861_m1	NM 009463.3
<i>Ucp3</i>		Mm01163394_m1	NM 009464.3

Table S2. Antibody list

Antibody	Host/Clonality	Manufacturer (Cat. #)
Anti-β-Actin	Mouse/Monoclonal	Cell Signaling Technology (3700)
Anti-UCP1	Rabbit/Polyclonal	Abcam (ab10983)
Anti-UCP3	Rabbit/Polyclonal	Abcam (ab10985)