

Supplemental Table 1. List of primers for qPCR analysis.

Gene	Primer sequence
18S	F: AGTCCCTGCCCTTTGTACACA R: CGATCCGAGGGCCTCACTA
<i>Chchd10</i>	F: CAGCCGGGTCTTATGGCTC R: CAGGCTCTGAATTTCCCCAC
<i>Ucp1</i>	F: AGGCTTCCAGTACCATTAGGT R: CTGAGTGAGGCAAAGCTGATTT
<i>Pgc1α</i>	F:TATGGAGTGACATAGAGTGTGCT R: CCACTTCAATCCACCCAGAAAG
<i>Pparγ</i>	F:TCGCTGATGCACTGCCTATG R: GAGAGGTCCACAGAGCTGATT
<i>Pparγ2</i>	F: GGAAGACCACTCGCATTCTT R: GTAATCAGCAACCATTGGGTCA
<i>MyoD</i>	F: GGCTACGACACCGCCTACTA R: CGACTCTGGTGGTGCATCTG
<i>MyoG</i>	F: TGCCCAGTGAATGCAACTCC R: TTGGGCATGGTTTTCGTCTGG
<i>Myh4</i>	F: AGGACCAACTGAGTGAAGTGA R: GGGAAAACCTCGCCTGACTCTG
<i>Myh8</i>	F: GGAGAGGATTGAGGCCCAAAA R: CACGGTCACTTTCCCTCCATC
<i>Cox7a1</i>	F: GCTCTGGTCCGGTCTTTTAGC R: GTACTGGGAGGTCATTGTCCG
<i>Cox8b</i>	F: GCGAAGTTCACAGTGGTTCC R: GGAACCATGAAGCCAACGAC

Supplemental Table 2. List of antibodies used in this study

Antibody	Dilution (WB)	Dilution (IF,IHC)	Manufacture
UCP1	1:2000	1:200	Abcam
AP2	1:1000		Santa Cruz
PPAR γ	1:1000		Santa Cruz
PGC1 α	1:1000		Santa Cruz
FABP4	1:1000		Abcam
OXPHOS	1:2000		Abcam
CHCHD10	1:500	1:200	Proteintech (CAT#25671-1-AP)
β -tublin	1:1000		Abcam
β -actin	1:1000		Santa Cruz
GAPDH	1:1000		Santa Cruz
Goat Anti-Mouse IgG(H + L)-HRP Conjugate	1:10000		Jackson Immuno Research Labs
Goat Anti-Rabbit IgG(H + L)-HRP Conjugate	1:10000		Jackson Immuno Research Labs
PAX7		1:10	Developmental Studies Hybridoma Bank
MF20	1:200	1:100	Developmental Studies Hybridoma Bank
MYOG	1:500	1:500	Developmental Studies Hybridoma Bank
TDP43	1:500	1:200	Abcam
568 goat polyclonal anti-mouse IgG1		1:1000	Thermo Fisher
488 goat polyclonal anti-rabbit IgG		1:1000	Thermo Fisher
488 goat polyclonal anti-mouse IgG2b		1:1000	Thermo Fisher