

Supplementary Table 1. Primer sequences

Gene description	Sequences (5'→3')
Muscle atrophy F-box (<i>MAFbx</i>)	F: GTCCAGAGAGTCGGCAAGTC
	R: GTCGGTGATCGTGAGACCTT
Muscle RING finger 1 (<i>MuRF1</i>)	F: ACATCTACTGTCTCACGTGT
	R: TGTCCCTGGAAGATGCTTTG
Myostatin	F: TCACGCTACCACGGAAACAA
	R: AGGAGTCTTGACGGGTCTGA
Insulin-like growth factor 1 (<i>IGF-1</i>)	F: TGCTGATTTTCCCCATCGCT
	R: AGAGCCTGCGCAATGGAATA
Desmin	F: GATGGTCTCATACTGAGCCCG
	R: GTGGAGCGTGACAACCTGAT
Myogenin	F: GCAGATTGTGGGCGTCTGTA
	R: CCCATGGTGCCCAAGTGAA
Myogenic differentiation 1 (<i>MyoD</i>)	F: TGTAATCCATCATGCCATCAGA
	R: CGTGGCAGCGAGCACTAC
Peroxisome proliferator-activated receptor gamma coactivator 1-alpha1 (<i>PGC-1α1</i>)	F: AACCAGTACAACAATGAGCC
	R: TGTCAGTGCATCAAATGAGG
Peroxisome proliferator-activated receptor gamma coactivator 1-alpha4 (<i>PGC-1α4</i>)	F: TCACACCAAACCCACAGAAA
	R: CTGGAAGATATGGCACAT
Sterol regulatory element-binding transcription factor 1 (<i>SREBP-1c</i>)	F: AGATCCAGGTTTGAGGTGGG
	R: ATCGCAAACAAGCTGACCTG
Peroxisome proliferator-activated receptor γ2 (<i>PPARγ2</i>)	F: TTCGGAATCAGCTCTGTGGA
	R: CCATTGGGTCAGCTCTTGTG
Adipocyte fatty acid binding protein (<i>aP2</i>)	F: CATGCGACAAAGGCAGAAAT
	R: GTTACAAGGCAAGGAAGGGC
Fatty acid synthase (<i>FAS</i>)	F: CAGCCAGGAGAATCGCAGTA
	R: CTGCGATGAAGAGCATGGTT
Glyceraldehyde-3-phosphate dehydrogenase (<i>GAPDH</i>)	F: GTGATGGCATGGACTGTGGT
	R: GGAGCCAAAAGGGTCATCAT