

Table S1. Primer sequences.

Gene	Forward primer	Reverse primer
MuRF1	AAACAGGAGTGCTCCAGTCGG	CGCCACCAGCATGGAGATACA
atrogin1	CGACCTCAGCAGTTACTGCAA	TTTGCTATCAGCTCCAACAG
SQSTM1	GCACCTGTCTGAGGGCTTCT	GCTCCAGTTTCCTGGTGGAC
BNIP3	CTGAAACAGATACCCATAGCATT	CCGACTTGACCAATCCCA
GABARAPL1	GGTCCCCGTGATTGTAGAGA	GGAGGGGATGGTGTTGTTGAC
mTOR	GGGGACACTTTTACCGCTGA	AATCAGACAGGCACGAAGGG
p16 ^{INK4a}	GAAGGTCCCTCAGACATCCCC	CCCTGTAGGACCTTCGGTGAC
p21	ACTCTCAGGGTCGAAAACGG	CTTCCTGTGGGCGGATTAGG
Myf5	TGATGGCATGCCCCGAATGTA	CAGGTTGCTCTGAGGAGGTG
MyoD	ACAACGGACGACTTCTATGAC	TGCTCTTCGGGTTTCAGGA
PGC1 α	ACGCACCGAAATTCTCCCTT	TCTGTCCGTGTTGTGTCAGG
TFAM	GGCACAGGAAACCAGTTAGG	CAGAACACCGTGGCTTCTAC
SOD1	GCCAAAGGATGAAGAGAGG	ACCACAAGCCAAACGAC
SOD2	AGCACGCTTACTACCTTC	CTTTCAGTTACATTCTCCCAG
catalase	CTTTGCTGAGGTTGAACAGA	CACCCTGATTGTCCTGC
GPx4	CTTCACCAAGTTCCTCATCG	GTCCTTCTCTATCACCAGGG
MFN2	CTGTGCGGAGTCAGATAGA	CATTGTAGCCCATCAAGG
DRP1	AGAACCAACCACAGGCAA	AACAGGAACTGGCACAT