

Table S1. Primer sequences for qPCR

Gene	Forward Primer 5'-3'	Reverse Primer 5'-3'
AMPK	AGAGGGCCGCAATAAAAGAT	TGTTGTACAGGCAGCTGAGG
PGC1 α	GTCAACAGCAAAAGCCACAA	TCTGGGGTCAGAGGAAGAGA
SIRT1	TGTGAAGTTACTGCAGGAGTGTA	GCATAGATACCGTCTCTTGATCTGAA
TFAM	AAGGGAATGGGAAAGGTAGAG	ACAGGACATGGAAAGCAGATTA
MEF2C	CACCGGAACGAATTCCACTC	ATGCGCTTGACTGAAGGAC
DRP1	GGGCACTTAAATTGGGCTCC	TGTATTCTGTTGGCGTGGAAC
FIS1	GGCTGTCTCCAAGTCCAAATC	GGAGAAAAGGGAAGGCGATG
MFN1	TATCGATGCCTTGCGGAGAT	GGCGAATCACAACACTTCCA
MFN2	GGAGACCAACAAGGACTGGA	TGCACAGTGACTTTCAACCG
TNF α	CACAAGATGCTGGGACAGTGA	GAGGCTCCAGTGAATTCGGA
NF- κ B	GCTGCCAAAGAAGGACACGACA	GGCAGGCTATTGCTCATCACAG
FOXO1	GCGGGCTGGAAGAATTCAAT	TCCTTCATTCTGCACTCGAATAAACT
MuRF1	ACCTGCTGGTGGAACATC	CTTCGTGTTCTTGACATC
Atrogin-1	AGGAGCGCCATGGATACTGT	GAAGTTCTTTTGGGCGATGC
MTSN	TGCAAAATTGGCTCAAACAG	GCAGTCAAGCCCAAAGTCTC
MyoD	GACAGGGAGGAGGGGTAGAG	TGCTGTCTCAAAGGAGCAGA
AKT	GCCCTCAAGTACTCATTCCAG	ACACAATCTCCGCACCATAG
4EBP1	CGGAAGATAAGCGGGCAG	CAGTGTCTGCCTGGTATGAG
S6K	TGAGTCAAGCCTTGGTCTGAG	AAGAGTCGAGAGAGACGCCC
GAPDH	ACCACAGTCCATGCCATCAC	TCCACCACCCTGTTGCTGTA