

Table S1. Primer Sequences

gene	Sense Sequence (5'→3')	Antisense Sequence (5'→3')
18S	ACCGCAGCTAGGAATAATGGA	CAAATGCTTTCGCTCTGGTC
MyHC-I	GCCTGGGCTTACCTCTCTATCAC	CTTCTCAGACTTCCGCAGGAA
MB	CACCATGGGGCTCAGTGATG	CTCAGCCCTGGAAGCCTAGC
Tnni1	CTGCAGGTTGTGCTAGATGGGATGG	GCCTGGGGTCTTTGGTAAGTAGGC
MyHC-IIa	CAGCTGCACCTTCTCGTTTG	CCCGAAAACGGCCATCT
MyHC-IIb	CAATCAGGAACCTTCGGAACAC	GTCCTGGCCTCTGAGAGCAT
MyHC-IIx	GGACCCACGGTCGAAGTTG	CCCGAAAACGGCCATCT
FoxO1	TCAAGGATAAGGGCGACAGC	TGTCCATGGACGCAGCTCTT
NRF1	AGCACGGAGTGACCCAAAC	AGGATGTCCGAGTCATCATAAGA
NRF2	TCTTGAGTAAGTCGAGAAGTGT	GTTGAAACTGAGCGAAAAAGGC
TFAM	GAGCAGCTAACTCCAAGTCAG	GAGCCGAATCATCCTTTGCCT
ERR α	CTCAGCTCTCTACCCAAACGC	CCGCTTGGTGATCTCACACTC
PGC1- α	TGATGTGAATGACTTGGATACAGACA	GCTCATTGTTGTA CTGGTTGGATATG
Mt-ND2	GGACTAGCCCCCTTCCACTA	GGCGCCAACAAAGACTGATG
β 2M	AAGTGTACTCTCGCCATCCAC	TTTGAGGTGGGTGGA ACTGA

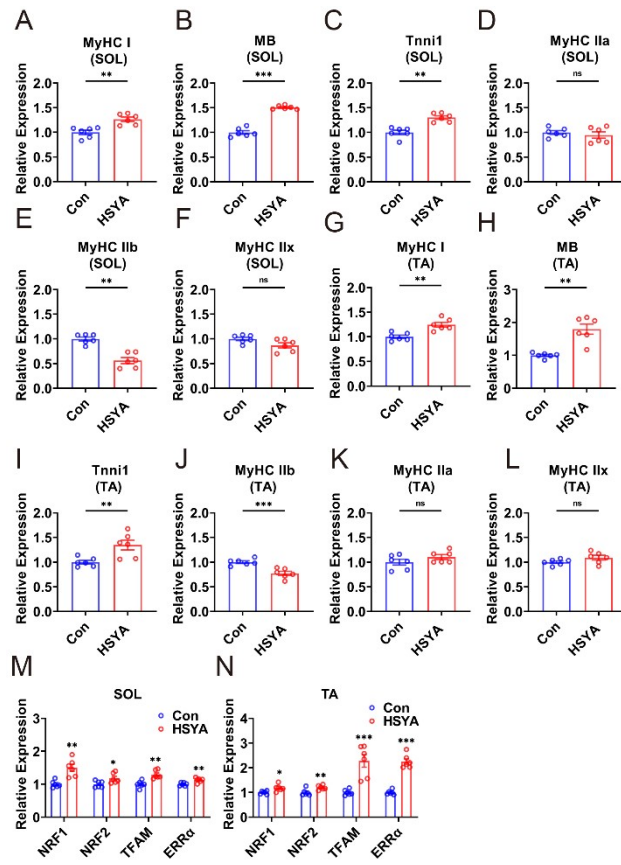


Figure S1. Effects of HSYA on the MyHC isoform gene expressions and mitochondrial biogenesis-related gene expressions in skeletal muscles of mice.