



Supplementary Figure 1

Supplementary Figure 1. Myoz1 staining reveals sarcomere pattern in myofiber.

TA muscle section was subjected to immunofluorescent staining for Myoz1 (green) and Laminin a2 (magenta). Scale bar, 25 μ m

Supplementary Table 1. Primers used in qRT-PCR

Gene	Direction	Sequence
Myoz1	Forward	5'-GGAACTTGGCATTGACCTACTG-3'
	Reverse	5'-AAACTTGGGCATCTGGAAGG-3'
Myoz2	Forward	5'-CAGAACTGCGGGATTACAGG-3'
	Reverse	5'-GTCTGCCCGAAAGAGGATTG-3'
Myoz3	Forward	5'-TGGCAGCAGAAGTCACACTC-3'
	Reverse	5'-AGTTCCAAGCCACTGAAGGAC-3'
Tnni2	Forward	5'-CGGAGACAGCACCTGAAGAG-3'
	Reverse	5'-AGACATGGAGCCTGGGATG-3'
Dmd	Forward	5'-GGAAGAAGTAGAGGACTGTTATG-3'
	Reverse	5'-AGGTCTAGGAGGCGTTTTCC-3'
Myh4	Forward	5'-AAACCACCTCAGAGTTGTGGA-3'
	Reverse	5'-GTTCCGAAGGTTCTGATTGC-3'
Myf6	Forward	5'-ATCAGCTACATTGAGCGTCTACA-3'
	Reverse	5'-CCTGGAATGATCCGAAACACTTG-3'
MyoD	Forward	5'-CCACTCCGGACATAGACTTG-3'
	Reverse	5'-AAAAGCGCAGGTCTGGTGAG-3'
Myog	Forward	5'-CAGTACATTGAGCGCCTACAG-3'
	Reverse	5'-GGACCGAACTCCAGTGCAT-3'
Myh3	Forward	5'-ACACGGATCAGAGAGCTGGA-3'
	Reverse	5'-CCTTAACACGCCGCTCATAAC-3'
Myh8	Forward	5'-CATCCACGCAGCAGATTGA-3'
	Reverse	5'-CGCAGCAGATCACAGTCGT-3'
Cmas	Forward	5'-CAAAGGCATCCCCTGAAGA-3'
	Reverse	5'-CCCACACACTCTGGAAGACC-3'
Gapdh	Forward	5'-CCTGGAGAAACCTGCCAAGTATG-3'
	Reverse	5'-AGAGTGGGAGTTGCTGTTGAAGTC-3'

Supplementary Table 2. Antibodies used in this study

Antibody	Dilution	Supplier
Rabbit polyclonal anti-Dystrophin	1:800	Abcam
Mouse monoclonal anti-embryonic Myosin heavy chain	1:2	Clone: F1.652, DSHB
Rabbit polyclonal anti-Myoz1	1:250	Sigma
Rat monoclonal anti-Laminin α 2	1:200	Clone: 4H8-2, SantaCruz Biotechnology
Alexa Fluor 488-conjugated donkey anti-rabbit IgG	1:1000	Jackson ImmunoResarch
Cy3-conjugated donkey anti-mouse IgG	1:1000	Jackson ImmunoResarch
Alexa Fluor 647-conjugated chick anti-rat IgG	1:1000	Molecular Probes