

Supplementary Table S1. Autoantibody profile in individual patients with idiopathic inflammatory myopathy.

patient	antinuclear antibodies	myositis associated antibodies
MYO004	1:640	anti-Mi-2
MYO005	1:640	anti-Ro-60
MYO006	1:640	anti-Mi-2
MYO009	negative	anti-Jo-1
MYO10	1:640	no specific autoantibody detected
MYO12	negative	anti-Jo-1, anti-Ro-52
MYO13	1:640	anti-RNP/Sm, anti-RNP-70, anti-Ro-52

Supplementary Table S2. List of primers or miScript Primer Assay Catalog #.

Myh1 (Myosin heavy chain 1)	fwd: TAAGACCGAGGCCAAAAGA rev: TGCATCATCAGCCAAGCTGTC
Myh7 (Myosin heavy chain 7)	fwd: CTTCGTGCCTGATGACAA rev: CATGTCTTGCCATA
Myogenin (Myogenic factor 4)	fwd: GCTCAGCTCCCTCAACCA rev: GCTGTGAGAGCTGCATTCCG
PGC1α (Peroxisome proliferator-activated receptor-γ coactivator 1α)	fwd: TTACAAGCCAAACCAACAATTATC rev: CACACTTAAGGTGCGTTCAATAGTC
ND1 (NADH dehydrogenase 1)	fwd: CCCTAAAACCCGCCACT rev: GAGCGATGGTGAGAGCTAAGGT
CPT1 (Carnitine palmitoyltransferase 1)	fwd: GGAAACGGCCAACTGCAT rev: ACAGGCCGGTGCCAAAC
BDNF (brain-derived neurotrophic factor)	fwd: GTGCCGAACTACCCAGTCGTA rev: TCGCCAGCCAATTCTCTTTT
Frataxin	fwd: ATCTTCTCCATCCAGTGGACCT rev: GCTGGGCATCAAGCATCTTTT
RPL13 (Ribosomal protein L13)	fwd: GGACCGTGCGAGGTATGCT ATGCCGTCAAACACCTTGAGA
LPL (Lipoprotein Lipase)	fwd: CGAGTCGTCTTTCTCCTGATGAT rev: TTCTGGATTCCAATGCTTCGA
β-2-microglobulin	fwd: CGCtCCGTGGCCTTAGC rev: AATCTTTGGAGTACGCTGGATAGC
miRNA-1	MS00008358
miRNA-133a	MS00031423
miRNA-133b	MS00031430
miRNA-206	MS00003787
SNORD44 (small nucleolar RNA, C/D box 44)	MS00007518