

Supplementary material:

Data S1. Settings for the detection of positively stained muscle fibres for MHCs

Table 1 Settings for the positive cell detection function in Qupath.

Positive cell detection	
Setup parameters	
Detection image	Optical density sum
Requested pixel size	0.18 μm
Nucleus parameters	
Background radius	2 μm
Median filter radius	0.25 μm
Sigma	1 μm
Minimum area	10 μm^2
Maximum area	400 μm^2
Intensity parameters	
Threshold	0.01
Max background intensity	1
Split by shape	✓
Exclude dab (membrane staining)	
Cell parameters	
Cell expansion	25 μm
Include cell nucleus	
General parameters	
Smooth boundaries	✓
Make measurements	✓
Intensity threshold parameters	
Score compartment	Cell: DAB OD mean
Threshold 1+	0.2
Threshold 2+	0.4
Threshold 3+	0.6
Single threshold	✓