

Diagnostic criterion	PM	IBM
Lymphocytic endomysial inflammation ^{&}	Present	
Inflammatory infiltrate composition [#]	T-cell rich, B-cell poor	
Degenerating / regenerating fibers ^{&}	Present in random distribution	
Fiber invasion [#]	Present	
Diffuse MHC-1 positivity [#]	Present	
Percentage of COX-negative fibers ^{&,*}	<1%	Any (usually >1%)
Ragged red fibers ^{&,*}	Absent	Usually present
Endomysial fibrosis ^{&}	None or mild	Moderate to severe
Fiber size variation ^{&}	None or mild	Moderate to severe
Rimmed vacuoles ^{&}	Absent	Present

Additional file 1: Table S1: Summary of diagnostic criteria used for PM and IBM case classification; adapted from reference [15].

[&] Main criteria (required for diagnosis / classification)

[#] Supporting criteria

^{*} Criteria important for distinguishing classic PM from PM with COX-negative fibers (an IBM precursor condition); see reference [15] for details.