

Figure S1. Low magnification image illustrating the standard quality of preservation and orientation of the images that were used to collect the data. Each cross sectional view had excellent presentations of I- and A- band areas and only images that covered entire fiber cross sections were employed for counts. The I-band areas were used for obtaining counts of the frequency of mitochondria with constrictions of the type illustrated in Figs. 2-4. A large sample (> 40 fibers each for rest and fatigued muscles) assured sufficient statistical reliability.