Supplementary Figure S2. M-band appearance in longitudinal sections of OL and GL of EOMs. A and A': Light microscopic photomontages of cross sections of a whole rectus EOM. A shows the EOM before longitudinal cuts were made to remove OL and GL specific regions and A' after cutting. Lines mark the region where longitudinal cuts for OL and GL were made; dotted line specifies the approximate border between the OL and GL; arrowheads demonstrate that OL and GL specific material had indeed been obtained (compare A to A'). B shows EM of a longitudinal section of an OL fiber sarcomere while C shows a sarcomere from a large pale GL fiber. Sarcomeres of fibers in the OL lack a distinct M-band and have broad and poorly aligned Z-lines compared to sarcomeres from the GL, where a distinct M-bands and well aligned Z-lines are easily appreciated. Scale bars are 100 µm in A, A' and 0.4 µm in B, C.