Supplementary Figure S1. Expression of EH-myomesin isoform in EOM but not TA. Semi-quantitative RT-PCR using Myomesin1 (Myom1) and EH-myomesin-specific primers as described in Porter et al. Primers were derived from the gene for mouse Myom1 (GenBank accession number AJ012072). Primers (5’ to 3’) were: Myom1 (forward), GGCAAAATCATCCCAAGTAG; Myom1 (reverse), ATAATAGCCTGT-AATCTCTGC; EH-myomesin (forward), CAGATGTGTGGCCTCAACTGA; EH-myomesin (reverse), TCGGATTGACTTTGCTCCT. A 100 bp DNA ladder is shown in the very left column of the agarose gels. The first 4 columns on the left side of the gels refer to increasing numbers of PCR cycles using EOM cDNA as template. The 4 columns on the right side show increasing numbers of PCR cycles using TA cDNA as template.

1a: pan-isoform Myom1 primers amplified two PCR products (687 bp and 437 bp) in EOM. In contrast, only one PCR product (437 bp) was yielded in TA.

1b: Myomesin primers specific for the EH-isoform amplified a 250 bp-product in EOM; however, a signal could not be detected in TA.