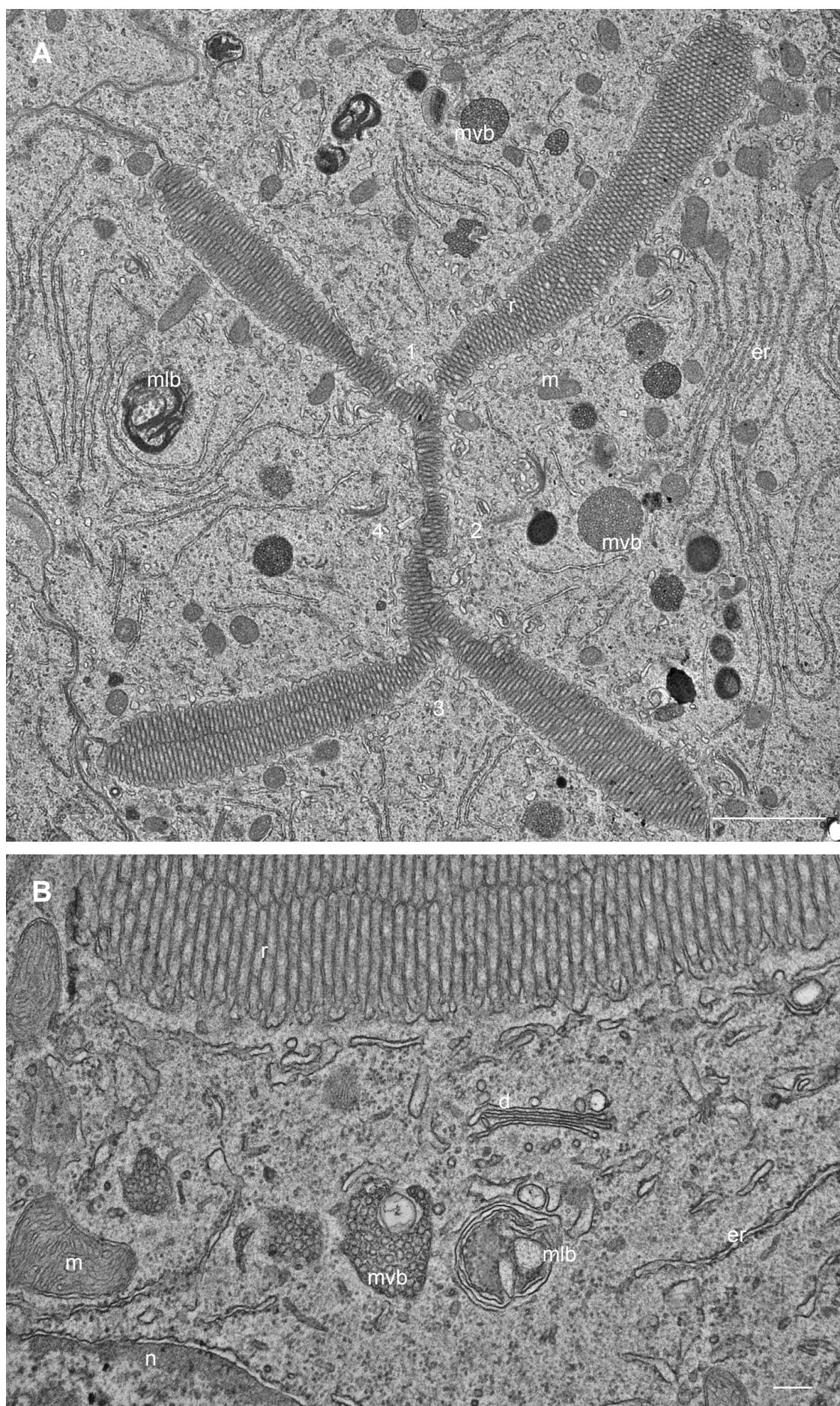


## Supplementary files



**Movie 1:** Pigment migration during light adaptation in the lateral ocellus of *Machilis hrabei* and *Lepismachilis notata*. Medial to the right, dorsal up. Playback speed 60x, real duration: 30 minutes.



**Fig. S1:** Ultrastructural detail of photoreceptor cells in a dark adapted *Machilis hrabei* lateral ocellus. Numbers in A denote the four receptor cells. Abbreviations: d dictyosome, er rough endoplasmatic reticulum, m mitochondrion, mlb multilamellar body, mvb multivesicular body, n nucleus, r rhabdom. Scale bars: A 2000 nm, B 200 nm.