

Description of Additional Supplementary Files

File Name: Supplementary Movie 1

Description: Swimming larvae under crossed polarized light. 24 degree post fertilization (dpf) larvae were filmed free swimming at 100x magnification in a small glass dish filled with a 3 mm deep filtered seawater (FSW) layer at 17°C using an inverted microscope (Leica DMI8). The video demonstrates that the entire shell is birefringent. Length of sequence: 22 seconds. Length of larvae: ca. 70 μm , shell length: ca. 30-40 μm .