## **Description of Additional Supplementary Files**

**Title: Supplementary Movie 1** 

**Description:** Time course imaging of a FLT4-EGFP Medaka during 80–155 hpf in the dorsal view.

**Title: Supplementary Movie 2** 

**Description:** Time course imaging of a FLT4-GFP Medaka during 80–155 hpf in the lateral view.

**Title: Supplementary Movie 3** 

**Description:** Ca<sup>2+</sup> imaging of a Medaka embryo with GCaMP6f.

**Title: Supplementary Code** 

Description: The MATLAB program package that performs a numerical integration of the lens-axicon

triplet formula.