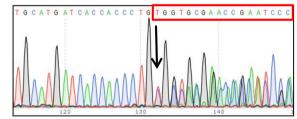




В



Supplemental Figure 1. Novel mutation in *rhodopsin* (*rho*), *rhodih503* +/-. (**A**) Clustal Omega Alignment of the C-terminus of *Danio rerio* (*Dr*) Rhodopsin with the *Xenopus laevis* (*Xl*), *Mus musculus* (*Mm*) and *Homo sapien* (*Hs*) proteins. The terminal 44 amino acids necessary for outer segment localization are indicated by the grey box. Palmitoylated residues are boxed in red. The site of the frame shift mutation in *rhodih503c* is marked by the arrow. (**B**) Agarose gel electrophoresis confirming the *rho* genotype for the larvae visualized in confocal studies. Heterozygous mutant amplicons also form a heteroduplex band that runs slower than the 170bp wildtype band. (**C**) Sanger sequencing of a PCR amplicon of *rhodih503* +/- gDNA. The site of the frame shift mutation is marked by the arrow. Altered sequence is boxed in red above the chromatogram.