



Supplemental Figure 5. Rod photoreceptor loss in *rho*^{djh503 +/-} mutants. **(A)** Anti-4c12 (magenta) labels rod cell membranes. The labeling pattern is similar in both wildtype and mutants at 3 dpf. At 7 dpf, anti-4c12 labeling is restricted to the proliferating marginal zone in *rho*^{djh503 +/-} mutants (asterisk), but remains throughout the ONL in wildtype retinas. The white boxed region in the 7 dpf images are enlarged in the panels to the right showing that anti-4c12 labels YFP-expressing rod cells (green, arrows). **(B)** The *zpr3* (magenta) antibody labels both cone and rod photoreceptors. In *rho*^{djh503 +/-} mutants, few cells are positive for *zpr3* antibody staining or YFP expression (green) at 4 or 7 dpf. The boxed ventral region of each image is enlarged below. DAPI (blue) was used to stain nuclei. Abbreviations: 4',6-diamidino-2-phenylindole (DAPI); days post-fertilization (dpf); outer nuclear layer (ONL); rhodopsin (*rho*); yellow fluorescent protein (YFP).