

Figure 5—source data 1. Validation of *ocrl* knockout zebrafish

- a) Two guide RNAs (gRNAs) were designed to target the *ocrl* locus and co-injected with Cas9 into zebrafish embryos.

gRNA sequences:

gRNA1: 5'-TCTACAAGGACAGGAGTCTTGG-3'

gRNA2: 5'-TCTGCGAGGTGAACGAACACCGG-3'

- (b) Genotyping workflow used to distinguish wild-type and *ocrl*-KO alleles. Genomic DNA was extracted from larvae and amplified by PCR using the following primers:

Forward: 5'-AGAATGTGACACTGTTTCTC-3'

Reverse: 5'-GTGCAGGGAAAATAAGGTGT-3'

PCR products were analyzed to confirm successful genome editing at the target locus.

