

Supplementary Materials:

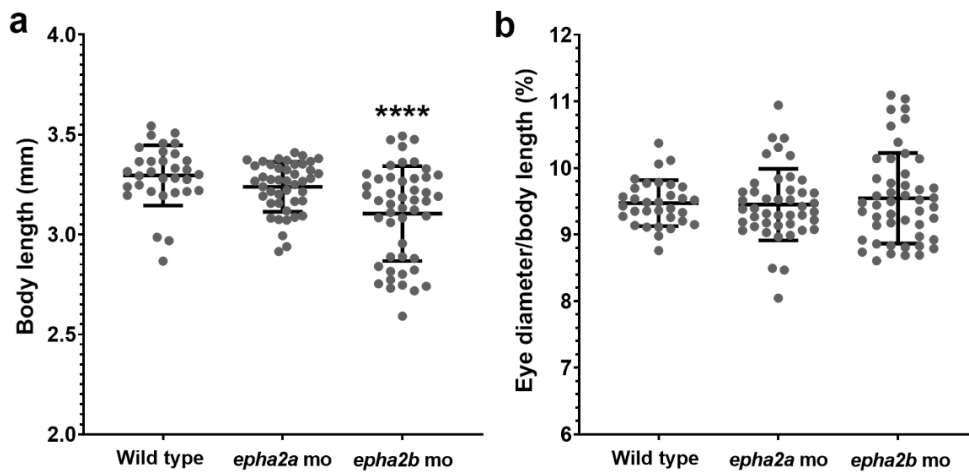


Figure S1. Body length in *epha2a* and *epha2b* morphant zebrafish. (a) At 3dpf, body length was found to be significantly reduced in *epha2b* morphant embryos ($p > 0.0001$) compared to un-injected controls siblings. The reduction in body length in *epha2a* morphants was not quite statistically significant ($p = 0.058$). (b) The eye diameter/body length ratio (%) was not found to be significantly different in the morphant groups compared to age-matched wild-type. Unpaired t-tests or Mann-Whitney tests were used to compare the data.

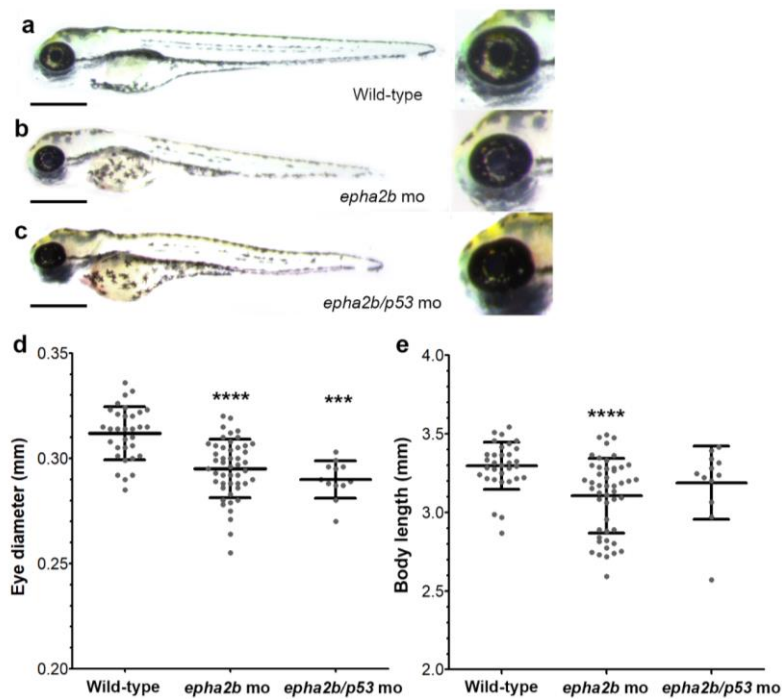


Figure S2. Knockdown of *epha2b* and *p53* in zebrafish embryos. (a–c) at 3dpf, simultaneous morpholino knockdown of *epha2b* and *p53* caused a similar microphthalmia phenotype to that observed in embryos with *epha2b* knocked down alone. (d) Eye diameter in *epha2b/p53* morphants was significantly reduced compared to uninjected wild-type and was not significantly different compared to *epha2b* morphants. (e) Body length was not significantly different compared to uninjected wild-type. **** $p < 0.0001$, *** $p < 0.001$.