

Description of Additional Supplementary Files

File name: Supplementary Data 1

Description: Results of the 5'-junction PCR of F₀ embryos for *cx30.3*, *cx34.4*, *cx35*, *cx44.1*, *cx47.1*, *cx48.5*, *cx52.6*, and *cx55.5*.

File name: Supplementary Data 2

Description: Plasmid sequences involved in this work.

File name: Supplementary Data 3

Description: sgRNA sequences and PCR primer sequences involved in this work.

File name: Supplementary Data 4

Description: Source Data for the graphs presented in this work.

File name: Supplementary Data 5

Description: Source Data for the tested founder fish (Fig. 1e, 2d, and 5d) and the mosaicism of each founder fish (Fig. 1g, 2e, and Supplementary Fig. 25c).

File name: Supplementary Data 6

Description: Chemical structures involved in Supplementary Fig. 23.