



***gd2Gt* /+(AB) (CZRC catalog ID: CZ102)**

Nature of the transgene

The translation start codon of *jag1b* is located in the first exon and is in frame with the EGFP coding sequence, the fusion transcript should be translated into a fusion protein containing the first 125 amino acid residues of Jag1b and EGFP protein.

Genotyping assay

Genotyping of the *gd2Gt* allele is based on the fluorescent microscope. As identified by fluorescent microscope, the GFP fluorescence signal is detectable at 24 hpf.

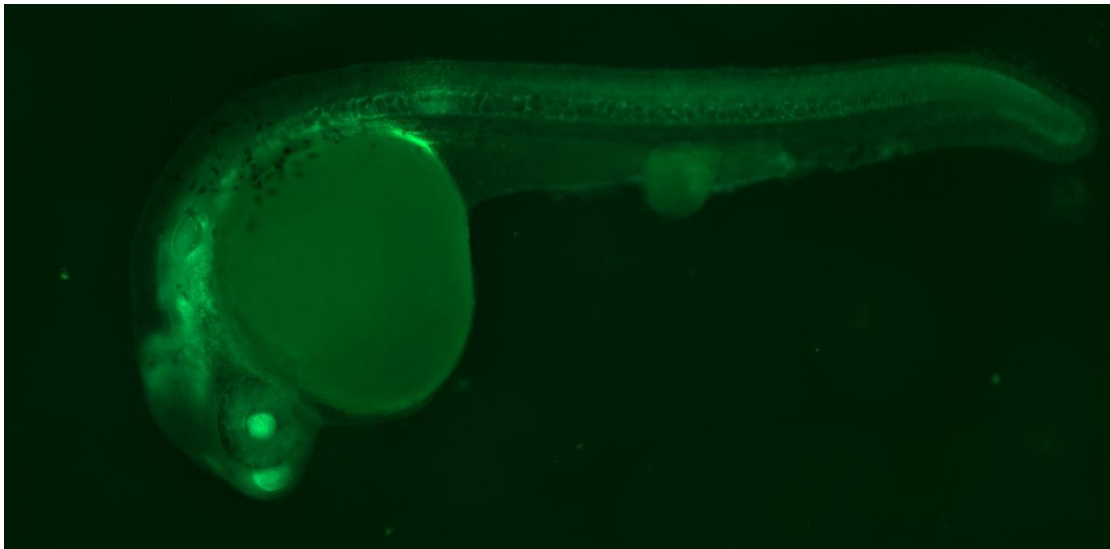


Figure. GFP expression in the lateral line at 24 hpf in *gd2Gt* line. The figure shows the lateral view of *gd2Gt* embryos at 24 hpf.

Reference

Ma, W.R., Zhang, J. (2015) Jag1b is essential for patterning inner ear sensory cristae by regulating anterior morphogenetic tissue separation and preventing posterior cell death. *Development* (Cambridge, England). 142(4):763-73.

