



***ihb1Tg* /+(AB) (CZRC catalog ID: CZ39)**

Nature of the transgene

The *ihb1Tg* allele is a transgenic zebrafish line *Tg(-1.0pomca:GFP)* with green fluorescent protein driven by the -1.0pomca promoter. The POMC gene is predominantly expressed in the anterior and intermediate lobes of the pituitary as well as in several other tissues including the brain, lymphocytes, skin, testis, thyroid, gut, kidney, and liver.

Genotyping assay

Genotyping of the *ihb1Tg* allele is based on the fluorescent microscope. As identified by fluorescent microscope, the GFP fluorescence signal is detectable at 72 hpf.

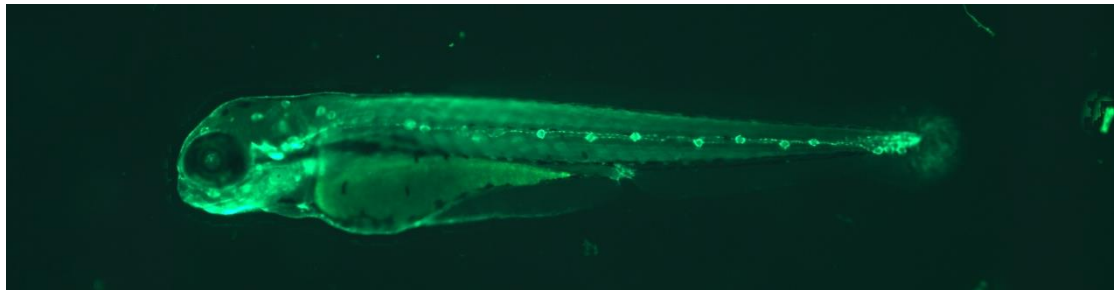


Figure. GFP expression in the lateral line at 72hpf in *ihb1Tg* line. The figure shows the lateral view of *ihb1Tg* embryos at 72hpf.

Reference

L Sun, W Xu, J He, Z Yin. In vivo alternative assessment of the chemicals that interfere with anterior pituitary POMC expression and interrenal steroidogenesis in POMC:EGFP transgenic zebrafish. *Toxicol. Appl. Pharmacol.* 2010,248(3): 217-225.

