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***ihb5Tg* /+(AB) (CZRC catalog ID: CZ36)**

Nature of the mutation

The *ihb5Tg* allele was generated by random integration of a fusion GFP-containing construct. This line express GFP in pituitary/pineal, driven by Thyroid-stimulating hormone subunit β (TSHβ) promoter (Ji, Jin et al. 2012).

Genotyping assay

1. Genotyping of the *ihb5Tg* allele is based on the fluorescent microscope. As identified by fluorescent microscope, the GFP fluorescence signal is detectable at 4 dpf.

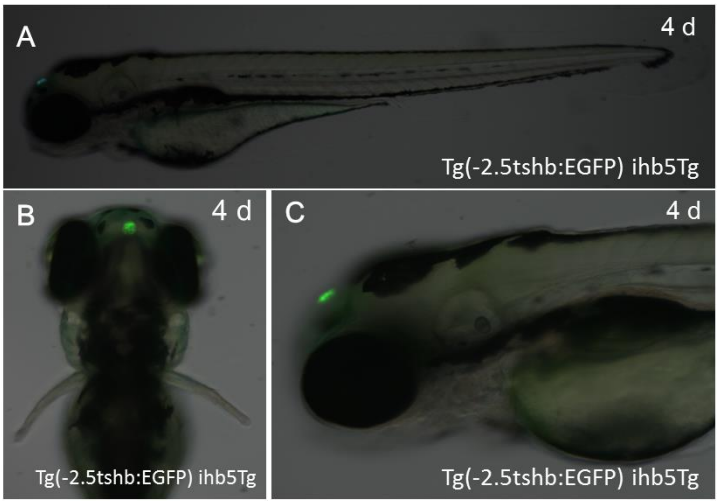

Figure. GFP expression in pituitary/pineal at 4 dpf in *ihb5Tg* line.
The figure shows the lateral view (A and C) and dorsal view (B) of *ihb5Tg* embryos at 4 dpf.

2. Genotyping of the *ihb5Tg* line can also be performed via allele-specific PCR using eGFP-specific primers (Sense primer: GTAAACGGCCACAAGTTCAG, antisense primer CTCGTTGGGGTCTTTGCT, the length of PCR fragment is 576 bp).

Reference

Ji, C., X. Jin, et al. (2012). "Use of TSH beta:EGFP transgenic zebrafish as a rapid in vivo model for assessing thyroid-disrupting chemicals." Toxicology and Applied Pharmacology **262**(2): 149-155.