

***ihb6Tg/+* (AB) (CZRC Catalog ID: CZ 40)**

Nature of the mutation

The *ihb6Tg* allele is a transgenic zebrafish line *Tg(zp3:fsta,myl7:EGFP)* with cardiac green fluorescent protein (GFP)-positive.

Genotyping assay

There are two methods for *ihb6Tg* Genotyping assay.

- ① Genotyping of the *ihb6Tg* allele is based on the fluorescent microscopy. The initial GFP expression in the heart starts at 24 hpf.
- ② *Tg(zp3:fsta,myl7:EGFP)* genome was collected using a Tissue DNA Kit (Omega Bio-Tek) and was detected by the forward primer 5' -GGAAGGGGCGGAGCCAACCT and reverse primer 5' -AGATACATTGATGAGTTTGGAC. The forward primer was located at the end of the *zp3* promoter, and the reverse primer was located at the end of polyA. A 1.2-kb fragment was amplified using these two primers.

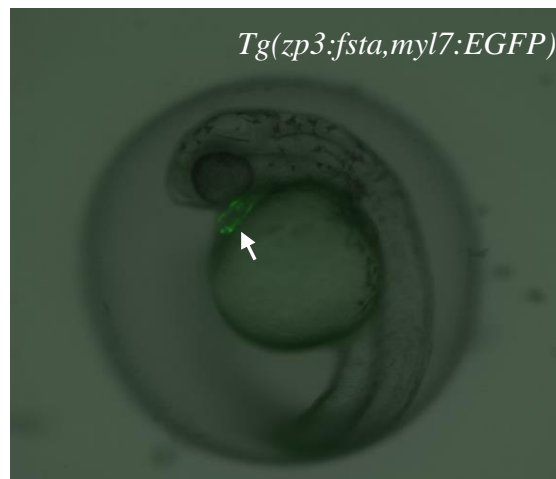


Figure. A transgenic zebrafish line *Tg(zp3:fsta,myl7:EGFP)*.

The figure show the lateral view of *Tg(zp3:fsta,myl7:EGFP)* embryos at 24hpf. The arrow shows heart expression of GFP.

Reference

Jiang N, Jin X, He J, Yin Z. The roles of follistatin 1 in regulation of zebrafish fecundity and sexual differentiation. *Biol Reprod.* 2012 Sep 7;87(3):54. doi: 10.1095/biolreprod.112.099689. Print 2012 Sep.