

***fb14Tg* /+(AB) (CZRC catalog ID: CZ351)**

**Nature of the mutation**

The *fb14Tg* allele was generated by random integration of a fusion EGFP-containing construct. This line expresses a dominant negative (DN) isoform of the murine mastermind-like (MAML) protein fused to GFP under transcriptional control of the zebrafish heat shock promoter. Embryos carrying the transgene were heat shocked for 30 min at 37 °C at bud stage or 19 hpf. At 24 hpf, these embryos exhibited prominent GFP fluorescence indicating DN-MAML-GFP protein expression (Zhao, Borikova et al. 2014).

**Genotyping assay**

1. This line expresses DN-MAML-GFP ubiquitously by heat shock at bud stage or 19 hpf. Heat shock is performed by transferring fish from 28 °C water to water preheated to 38 °C with subsequent incubation in an air incubator at 39 °C for 30 minutes.

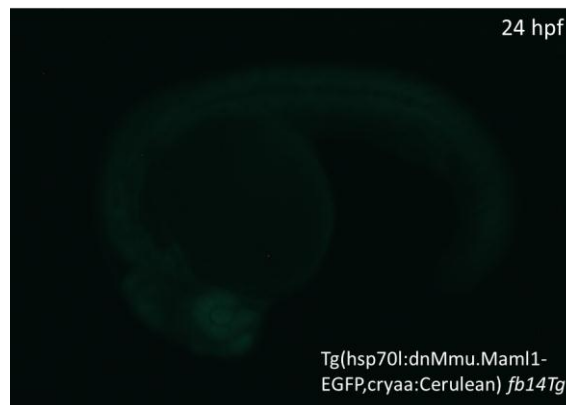


Figure. GFP expression throughout the body at 24 hpf in *fb14Tg* line. The figure shows the lateral view of *fb14Tg* embryos at 24 hpf.

**Reference**

Zhao, L., A. L. Borikova, et al. (2014). "Notch signaling regulates cardiomyocyte proliferation during zebrafish heart regeneration." Proc Natl Acad Sci U S A **111**(4): 1403-1408.