



## ***tsu30Tg*/(AB) (CZRC catalog ID: CZ1418)**

### **Nature of the transgene**

In this construct two threonines were changed to alanines (TTAA) in *EIF4EBP1* which produces a constitutively active *EIF4EBP1*. *EIF4EBP1*-TTAA is expressed under the control of the *eFlα* (*eFlα111*) Promoter. Transgenic expression of *EIF4EBP1*-TTAA in WT background embryos led to general developmental delay.

### **Genotyping assay**

Genotyping of the *tsu30Tg* allele is based on the fluorescent microscope. As identified by fluorescent microscope, the GFP fluorescence signal is detectable at 24 hpf.

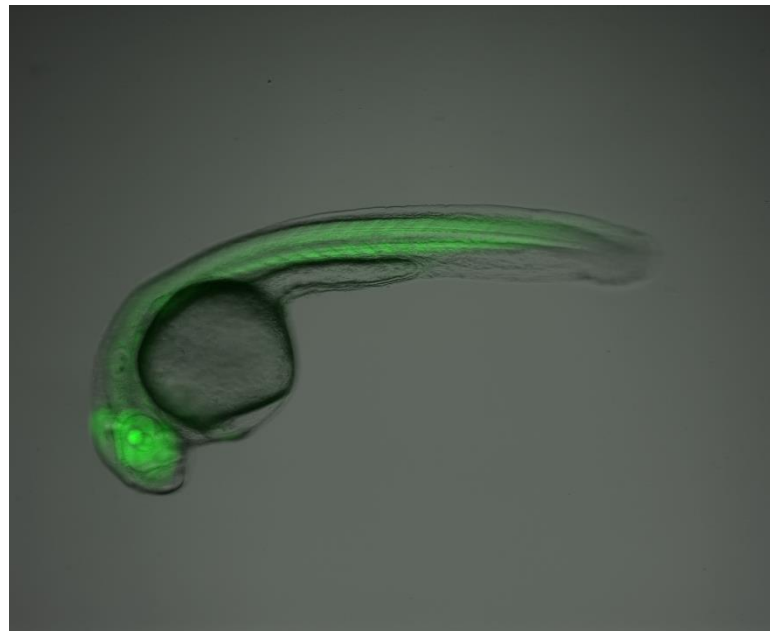


Figure. GFP expression in the lateral line at 24 hpf in *tsu30Tg* line. The figure shows the lateral view of *tsu30Tg* embryos at 24 hpf.

### **Reference**

Sun, J., Yan, L., Shen, W., Meng, A. (2018) Maternal Ybx1 safeguards zebrafish oocyte





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maturation and maternal-to-zygotic transition by repressing global translation. *Development* (Cambridge, England). 145(19):

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