

***Is5Tg/+* (AB) (CZRC catalog ID: CZ63)**

Nature of the mutation

Is5Tg is generated by random integration of a mCherry-containing construct, predominantly expresses mCherry in heart and blood vessels. At 2 dpf, the RFP-positive cells were evident in the heart and blood vessels (Wang, Kaiser et al. 2010).

Genotyping assay

1. Genotyping of the *is5Tg* allele is based on the fluorescent microscope. As identified by fluorescent microscope, the GFP fluorescence signal is detectable at 48 hpf.

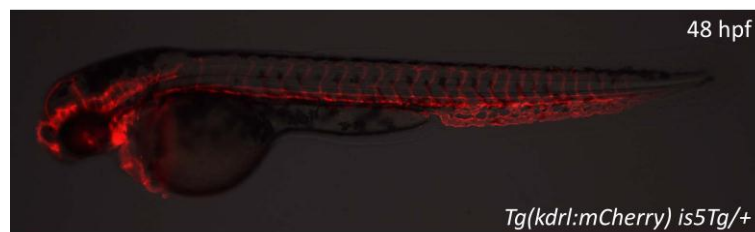


Figure. The *is5Tg* line expresses RFP in the heart and blood vessels at 48 hpf. The figure shows the lateral view of *is5Tg* embryos at 48 hpf.

Reference

Wang, Y., M. S. Kaiser, et al. (2010). "Moesin1 and Ve-cadherin are required in endothelial cells during in vivo tubulogenesis." Development **137**(18): 3119-3128.