

Tg(VHL:cmlc-gfp) (AB) (CZRC catalog ID: CZ75)

Nature of the mutation

Tg(VHL:cmlc-gfp) is generated by random integration of a fusion GFP-containing construct. This line expresses GFP under control of the Von Hippel–Lindau tumor suppressor (VHL) promoter.

Genotyping assay

1. Genotyping of the Tg(VHL:cmlc-gfp) allele is based on the fluorescent microscope. As identified by fluorescent microscope, the GFP fluorescence signal is detectable at 30 hpf.

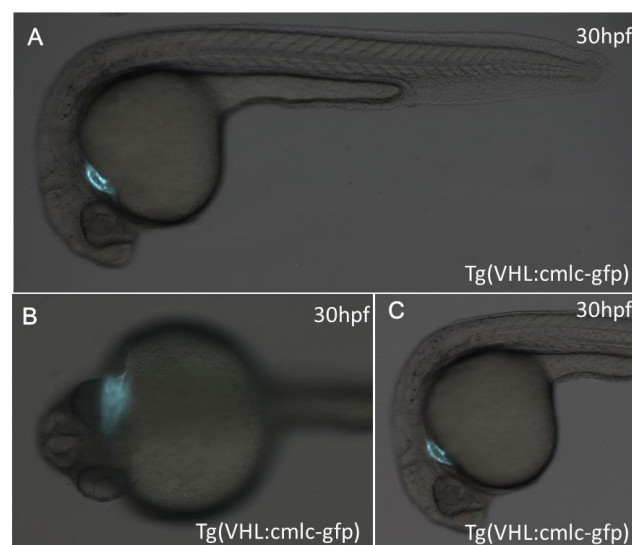


Figure. The Tg(VHL:cmlc-gfp) line expresses GFP in the heart at 30 hpf. The figure shows the lateral view (A and C) and ventral view (B) of Tg(VHL:cmlc-gfp) embryos at 30 hpf.

2. Genotyping of the Tg(VHL:cmlc-gfp) 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

n/a