



***cms1Tg* /+(AB) (CZRC catalog ID: CZ222)**

Nature of the transgene

The *cms1Tg* allele is a transgenic zebrafish line *Tg(Xla.Eef1a1:mIsEGFP)* with green fluorescent protein expression in mitochondrial morphology localization at 32 hpf. A platform for research on apoptosis and mitochondrial physiology and a screen for apoptosis-modulating drugs. It could also facilitate study of the pathogenesis of apoptosis-related diseases.

Genotyping assay

Genotyping of the *cms1Tg* allele is based on the fluorescent microscope. As identified by fluorescent microscope, the GFP fluorescence signal is detectable at 32 hpf.

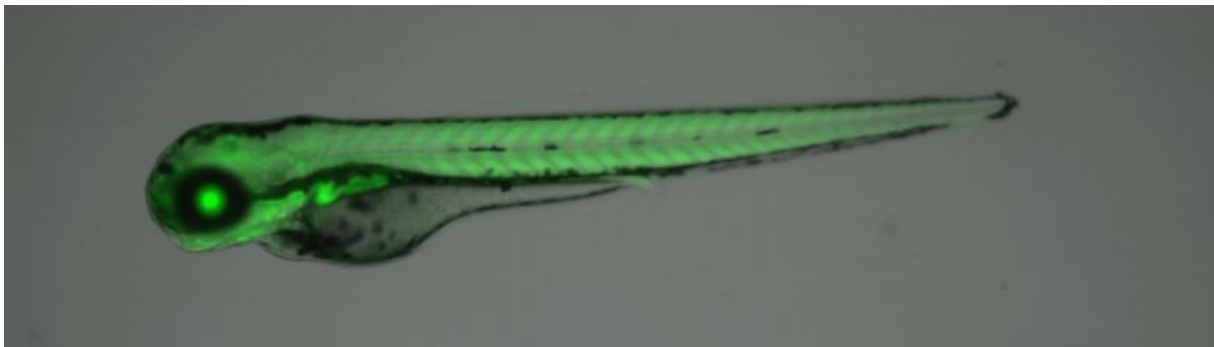


Figure. GFP expression in the lateral line at 72 hpf in *cms1Tg* line. The figure shows the lateral view of *cms1Tg* embryos at 72 hpf.

Reference

Jung Kim, M., Ho Kang, K., Kim, C.H., and Choi, S.Y. (2008) Real-time imaging of mitochondria in transgenic zebrafish expressing mitochondrially targeted GFP. *Biotechniques*. 45(3):331-334.

