

***ioz19Tg/+* (AB) (CZRC Catalog ID: CZ 1250)**

Nature of the mutation

The *ioz19Tg* allele is a transgenic zebrafish line *Tg(-5.5nkx2.3:KALTA4-mCherry)* in which the zebrafish 5.5 kb upstream of the *nkx2.3* translational start drives *KalTA4-mCherry* fusion protein expression in the pharyngeal pouches

Genotyping assay

Genotyping of the *ioz19Tg* allele is based on the fluorescent microscopy. The red fluorescent protein expression was observed in the pharyngeal pouches at 72 hpf.

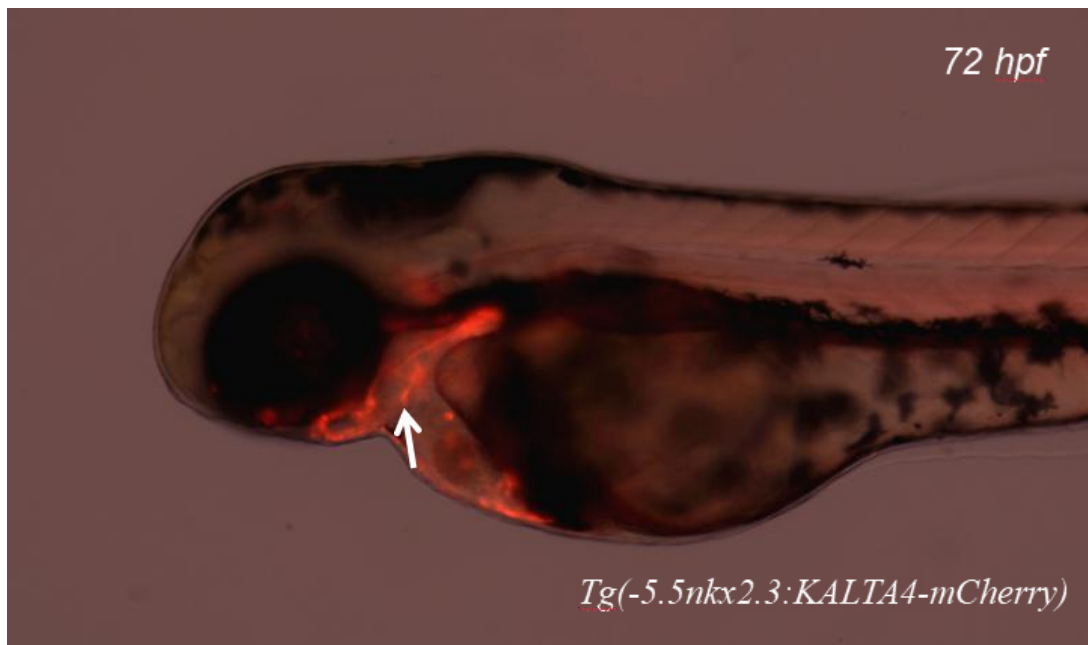


Figure. A transgenic zebrafish line *Tg(-5.5nkx2.3:KALTA4-mCherry)*.

Reference

Li, L., Ning, G., Yang, S., Yan, Y., Cao, Y., Wang, Q. BMP signaling is required for *nkx2.3*-positive pharyngeal pouch progenitor specification in zebrafish. *PLoS Genet.* 2019 Feb 14;15(2):e1007996. doi: 10.1371/journal.pgen.1007996. eCollection 2019 Feb.

