

ioz15Tg/+ (AB) (CZRC Catalog ID: CZ 1246)

Nature of the mutation

The *ioz15Tg* allele is a transgenic zebrafish line *Tg(nkx2.3:mCherry)* in which the zebrafish 5.5 kb upstream of the *nkx2.3* translational start drives mCherry expression in the pharyngeal poucheson.

Genotyping assay

Genotyping of the *ioz15Tg* allele is based on the fluorescent microscopy. The initial mCherry expression was observed in the pharyngeal poucheson at 60 hpf.



Figure. A transgenic zebrafish line *Tg(nkx2.3:mCherry)*. The mCherry expression were observed in the pharyngeal poucheson at 72 hpf.

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.