

***nl1Tg* /+(AB) (CZRC catalog ID: CZ354)**

Nature of the mutation

The *nl1Tg* allele was generated by random integration of a fusion EGFP-containing construct. The construct utilizes a modified BAC clone dK33b12 which contains 67 kb of sequence upstream and 89 kb downstream of neurod, to drive the EGFP expression. EGFP reporter faithfully recapitulated endogenous neurod expression in cranial ganglia as well as other organs (posterior lateral line nerve) (Obholzer, Wolfson et al. 2008).

Genotyping assay

1. This line expresses EGFP in the cranial ganglia at 30 hpf.



Figure. EGFP expression in the cranial ganglia at 30 hpf in *nl1Tg* line. The figure shows the lateral view of *nl1Tg* embryos at 30 hpf.

Reference

Obholzer, N., S. Wolfson, et al. (2008). "Vesicular glutamate transporter 3 is required for synaptic transmission in zebrafish hair cells." Journal of Neuroscience **28**(9): 2110-2118.