



## ***ml3Tg/+* (AB) (CZRC Catalog ID: CZ79)**

### **Nature of the transgene**

The *ml3Tg* allele was generated by random integration of *Tg(mnx1:mGFP)* construct. This transgenic lines in which the expression of GFP or a membrane-associated (farnesylated) derivative of GFP (mGFP) was regulated by genomic elements from the zebrafish *hb9* gene. HB9 is a transcription factor that is expressed in motoneurons and required for early stages of their development.

### **Genotyping assay**

Genotyping of the *ml3Tg* allele is based on the fluorescent microscope. As identified by fluorescent microscope, the mGFP fluorescence signal is detectable in motoneurons and motor axon.

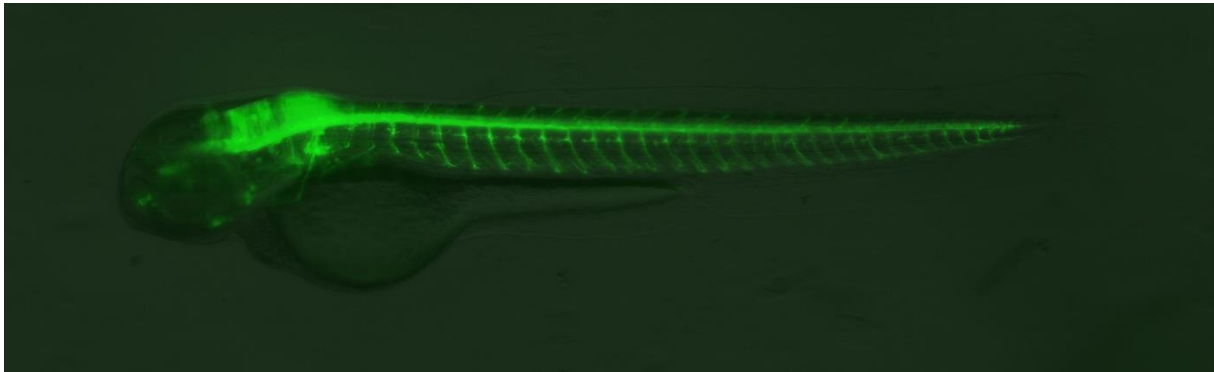


Figure. mGFP expression in neurons at 2dpf in *ml3Tg* line.

### **Reference**

Flanagan-Steet, H., Fox, M.A., Meyer, D., and Sanes, J.R. (2005) Neuromuscular synapses can form in vivo by incorporation of initially aneural postsynaptic specializations. *Development* (Cambridge, England). 132(20):4471-4481

