



## ***s957Tg*/+(AB) (CZRC catalog ID: CZ1582)**

### **Nature of the transgene**

The *s957Tg* allele was generated by a genetic cardiac ventricle-specific nitroreductase (NTR)-mediated ablation system. This line express mCherry in ventricular cardiomyocytes, driven by ventricular myosin heavy chain (*vmhc*) gene promoter.

### **Genotyping assay**

Genotyping of the *s957Tg* allele is based on the fluorescent microscope. As identified by fluorescent microscope, the mCherry fluorescence signal is detectable at 72 hpf. We fused the mCherry fluorescent protein to NTR to label ventricular cardiomyocytes in red (venCherry)

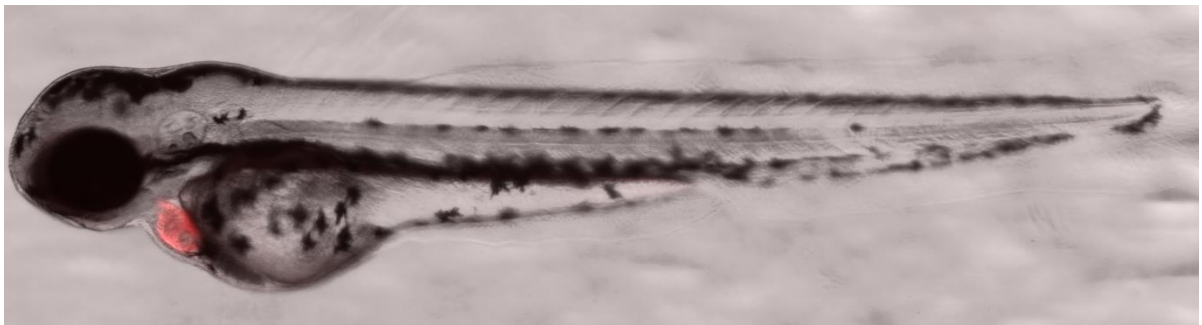


Figure. mCherry expression in the lateral line at 72 hpf in *s957Tg* line.

### **Reference**

Zhang R., Xu X. Transient and transgenic analysis of the zebrafish ventricular myosin heavy chain (*vmhc*) promoter: An inhibitory mechanism of ventricle-specific gene expression[J]. *Developmental Dynamics*. 2009,238,(6):1564-1573.

