

## ***zf169Tg/+* (AB) (CZRC Catalog ID: CZ 273)**

### **Nature of the mutation**

The *zf169Tg* allele is a transgenic zebrafish line *Tg(cmyb:GFP)* with green fluorescent protein expression in hematopoietic stem cells at 36hpf.

### **Genotyping assay**

Genotyping of the *ml1Tg* allele is based on the fluorescent microscopy. At 36 hpf, the *Tg(cmyb:GFP)* is expressed green fluorescent protein in hematopoietic stem cells.

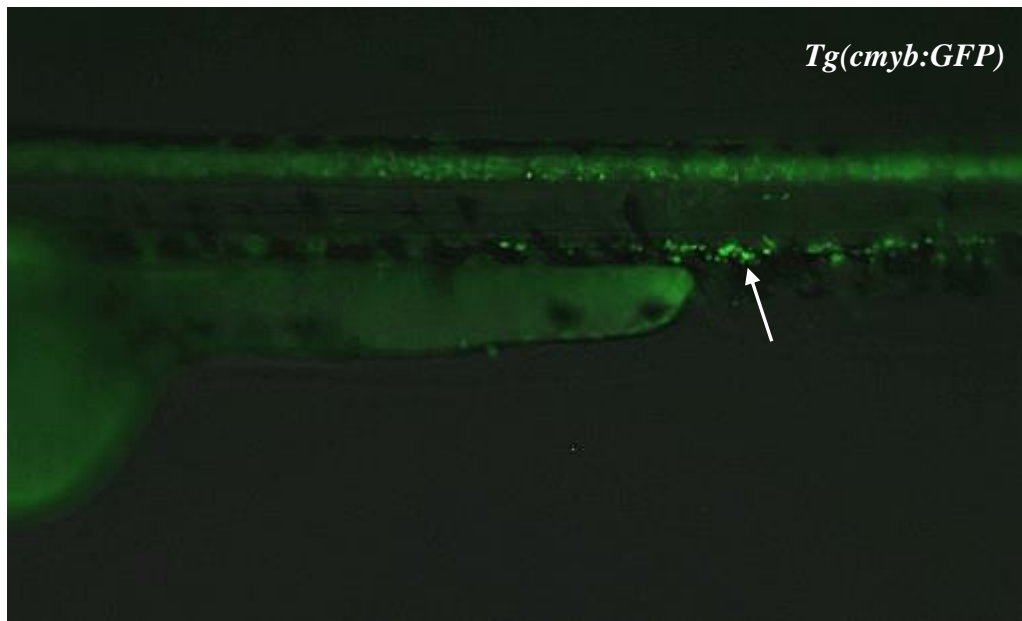


Figure. The green fluorescent protein expression in hematopoietic stem cells in *Tg(cmyb:GFP)* line. The arrow shows the expressed GFP in hematopoietic stem cells.

### **Reference**

- North, T.E., Goessling, W., Peeters, M., Li, P., Ceol, C., Lord, A.M., Weber, G.J., Harris, J., Cutting, C.C., Huang, P., Dzierzak, E., and Zon, L.I. (2009) Hematopoietic stem cell development is dependent on blood flow. *Cell* 137(4):736-748
- North, T.E., Goessling, W., Walkley, C.R., Lengerke, C., Kopani, K.R., Lord, A.M., Weber, G.J., Bowman, T.V., Jang, I.H., Grosser, T., Fitzgerald, G.A., Daley, G.Q., Orkin, S.H., and Zon, L.I. (2007) Prostaglandin E2 regulates vertebrate haematopoietic stem cell homeostasis. *Nature* 447(7147):1007-1011