



***npas4l*^{sm0/+}(AB) (CZRC catalog ID: CZ57)**

Nature of the mutation

The *npas4l* mutant affects both the endothelial and hematopoietic lineages at a very early stage. The endocardium, the endothelial lining of the heart, is missing in mutant embryos. The myocardial cells form a tube that is demarcated into chambers, beats rhythmically, but exhibits a reduced contractility.

Genotyping assay

Genotyping of the *sm0* allele is based on the microscope. As identified by microscope, the homozygous phenotype signal is detectable at 4dpf.



Figure. The figure shows the lateral view homozygous of *sm0* embryos at 5dpf.

Reference

Ma, N., Huo, Z.J., Yan, G., Huang, H.H., Luo, S.Q., Zhang, W.Q. Positional cloning of a novel allele of zebrafish cloche mutant. *Journal of Southern Medical University*. 2010, 30(3):458-462

