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***w32Tg* /+(AB) (CZRC catalog ID: CZ29)**

Nature of the mutation

The w32*Tg* allele was generated by random integration of a fusion GFP-containing construct. mmGPF5 was fused to the C-terminus of zebrafish dkk1, then the fusion proteins were cloned downstream of a 1.5 kb fragment of the zebrafish hsp70-4 promoter and upstream of the SV40 polyadenylation signal of the vector pCS2+ (Stoick-Cooper, Weidinger et al. 2007).

Genotyping assay

1. This line expresses *dkk1*-GFP ubiquitously by heat shock at 24 hpf. Heat shock is performed by transferring fish from 28 water to water preheated to 38℃ with subsequent incubation in an air incubator at 39℃ for 1 hour.

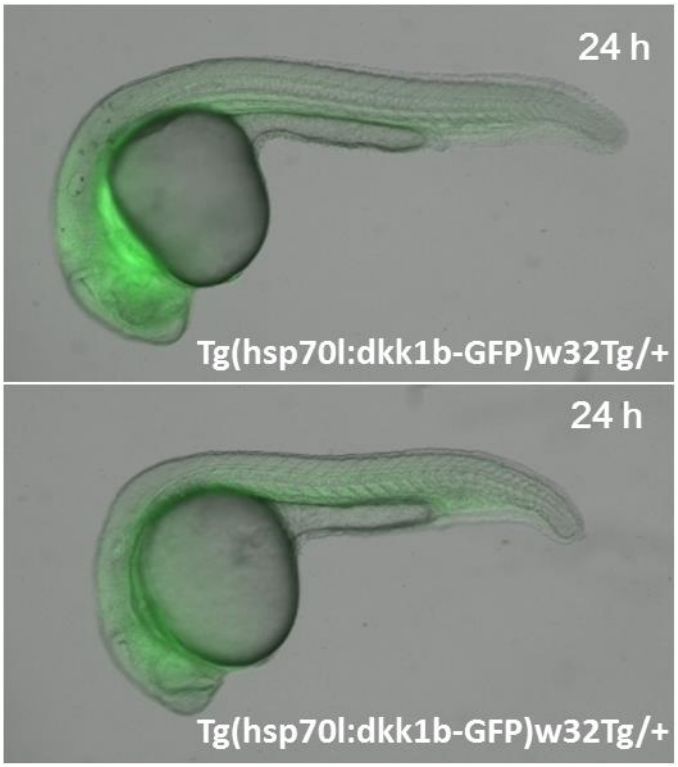

Figure. GFP expression throughout the body at 24 hpf in *w32Tg* line.
The figure shows the lateral view of w32*Tg* embryos at 24 hpf.

2. Genotyping of the *w32Tg* line can also be performed via allele-specific PCR using mGFP-specific primers (Sense primer: ATGAGTAAAGGAGAAGAACTTTTCACT, antisense primer TTATTTGTATAGTTCATCCATGCCA, the length of PCR fragment is 717 bp).

Reference

Stoick-Cooper, C. L., G. Weidinger, et al. (2007). "Distinct Wnt signaling pathways have opposing

roles in appendage regeneration." Development **134**(3): 479-489.