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gbx2$^{fh253/+}$ (CZRC catalog ID: CZ110)

Nature of the mutation

The *fh253* allele contains a single C-to-A point mutation that changes Tyr into a premature stop codon at amino acid 199, resulting in truncation of the gbx2 protein.

Genotyping assay

Primers:

fh253_forward: 5' CAGTGCGAGGTCACAGCAAA 3'

fh253_reverse: 5' GTATCAAGGTCGGGCCTGTT 3'

PCR program:

95℃ 5min

95℃ 30 sec
58℃ 30 sec
72℃ 30 sec
} 30 Cycles

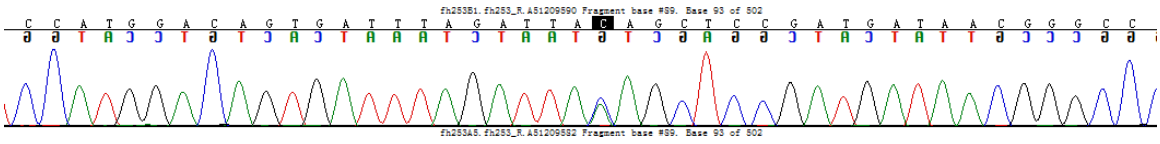
72℃ 8min

4℃ hold

Product size: 524 bp

The sequencing results of the parents:

CZ110 (+/-):TCCATGGACAGTGATTTAGATTA**[C/A]**AGCTCCGATGATAACGGGCCCGGG



Reference:

Su, C.Y., Kemp, H.A., and Moens, C.B. (2013) Cerebellar development in the absence of Gbx function in zebrafish. Dev. Biol. 386(1):181-90