



***tmc2a*^{ihb547/+} (CZRC catalog ID: CZ1542)**

Nature of the mutation

7bp deletion , Between 14bp to 21bp of the wild-type *tmc2a* coding sequence, CAAAGGCA is deleted in exon3.

Sense Strand Sequence

ctcccaccagctataaaacataaatggtgacattttaagtggcagagctagcattttgtaaagattgctgtaca
gaaattccttattacctagtagccagtgattgcttattgattgcttagacattttaagtggcagagcttgcattttctttgt
aaagaatgctaaacaaaattaatcagtagaaagcttttgaattattttctttgtaaagtgtgctcttttactcagAG
GACAAGAAATCCAAAGGCAAGGGTGGTAAAAAAGCAGCAGGCGGTA
AGCGAGGTAAAGCCAGTGAGGATGGTGAGGATGAAGATGAGGATGAT
AAACCCCCCAAAGGTCGTCGGGCAGCCAATAAAAAGAAACCAGCAC
CAGTAGATGAGGAAGACAGTGATGATG

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg: Forward/Reverse primer

atcg: Crisper/cas9 target site

Genotyping assay

Primers:

CZ1542-forward: 5' TCTCCCACCAGCTATAAAAC 3'

CZ1542-reverse: 5' CATCATCACTGTCTTCCTCA 3'





国家水生生物种质资源库国家斑马鱼资源中心
China Zebrafish Resource Center (CZRC)
National Aquatic Biological Resource Center (NABRC)

PCR program:

95°C	5min	}	30 cycles
95°C	30sec		
58°C	30sec		
72°C	30sec		
95°C	10min		
4°C	hold		

Product size: 409bp

Reference

None

Address: Institute of Hydrobiology, CAS
No. 7 Donghu South Road, Wuhan 430072, China
Email: zebrafish@ihb.ac.cn

Tel: 86-27-68780570
Web: www.zfish.cn



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