



tmc2a^{ihb548/+} (CZRC catalog ID: CZ1543)

Nature of the mutation

3bp deletion and 13bp insertion, Between 82bp to 85bp of the wild-type *tmc2a* coding sequence, AAG changed to GTGAGGATCATCC in exon3.

Sense Strand Sequence

ctcccaccagctataaaacataaatggtgacattttaaagtggcagagctagcattttgtaaagattgctgtaca
gaaattccttattacctagctccagtgattgcttattgattgcttagacatttaagtggcagagcttgattttctttgt
aaagaatgctaaacaaaattaatcagttagaagcttttgaattatttctttgtaaagtgtgctcttttactcagAG
GACAAGAAATCCAAAGGCAAGGGTGGTAAAAAAGCAGCAGGCGGTA
AGCGAGGTAAAGCCAGTGA**GGATGGTGAGGATGAAGATG**AGGATGAT
AAACCCCCCAAAGGTCGTCGGGCAGCCAATAAAAAGAAACCAGCAC
CAGTAGAT**TGAGGAAGACAGTGATGATG**

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg: Forward/Reverse primer

atcg: Crisper/cas9 target site

Genotyping assay

Primers:

CZ1543-forward: 5' TCTCCCACCAGCTATAAAAC 3'

CZ1543-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

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