



***atoh1b*^{ihb546/+} (CZRC catalog ID: CZ1541)**

Nature of the mutation

9bp deletion and 22bp insertion, Between 111bp to 120bp of the wild-type *atoh1b* coding sequence, CTCTGCGGC is changed to TCCTGAGTAGGATATATATATA in exon1.

Sense Strand Sequence

CTGAGCACGGCATTCTTTATATGCATTCTACACAAGCAATGACTGCAAAAACGA
AGCTTTTGCATTGGACAGATGGACACTTTCGGGAGGAGTTTTCCATCTCTGAACAT
CCCAGGCTGACCCGGAGTGACCCGC GGGCCTGGATGACCTCTGCGGCTCCTGAGT
ACTCCTCTGCCGTGGAGAATTACGCACGCACCGCCGCTGATTCTCCAATGGAAAA
GTACATATCTAGCCCTCAAGCTGCCTCTGAAGATCATCATGCAGGATCTAAAGCTCG
TCCTGGGAGTAAAGCATCTGTCAGTGGCCCTCAGAGACACAGGCGCGTGGCCGCA
AATGCGCGTG AACGGCGGAGAATGCA

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg: Forward/Reverse primer

atcg: Crisper/cas9 target site

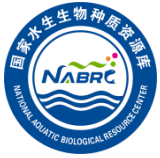
Genotyping assay

Primers:

CZ1541-forward: 5' CTGAGCACGGCATTCTTT 3'

CZ1541-reverse: 5' TGCATTCTCCGCCGTT 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: 359bp

Reference

None

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