



***atoh1a*^{ihb543/+} (CZRC catalog ID: CZ1538)**

Nature of the mutation

4bp insertion, Between 148bp to 149bp of the wild-type *atoh1a* coding sequence, GAGG is inserted in exon1.

Sense Strand Sequence

AATATCCGTCCCTGTATCCATAGCCACAACTTTCCTCCCAAAGCACAAACCAA
CAGA**ATG**GATGGAATGAGCACGGATACAAGAGAGGTGGTTGAACTCGACGTCCAG
CATTTCGAGCTTGGGGCGGGGGGAGCAGAGCGAGTACCCACCAGCCTTGGCACTCA
TGCCAGCAGTGACCCACGCGCCT**GGCTGGCTCCCGTGCAGGC**TGGCACCTGCGC
GGCACACGCCGAATACCTGCTGCACTCGCCCGGCTCGAGCGCGGAAGGCGTGTCC
TCTGCCTCCA ACTTCAGGAAGAGCAGCAAGAGTCCTGTCAAAGTACGCGAGCTCT
GCCGGCTTAAAGGAGCTGTGGGGGCAGATGAGGGCAGACAGCGGGCCCCATCC**A**
GCAAATCCACCAACGTCGTG

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg: Forward/Reverse primer

atcg: Crisper/cas9 target site

Genotyping assay

Primers:

CZ1538-forward: 5' AATATCCGTCCCTGTATCCA 3'

CZ1538-reverse: 5' CACGACGTTGGTGGATTTGCT 3'

PCR program:

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





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)

Product size: 404bp

Reference

None

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