



## ***atoh1a*<sup>ihb544/+</sup> (CZRC catalog ID: CZ1539)**

### **Nature of the mutation**

16bp deletion, Between 138bp to 154bp of the wild-type *atoh1a* coding sequence, TCCCGTGCAGGCTGGC is deleted in exon1.

### **Sense Strand Sequence**

AATATCCGTCCCTGTATCCA TAGCCACAACTTTCCTCCCAAAGCACAAACCAA  
CAGAATGGATGGAATGAGCACGGATACAAGAGAGGTGGTTGAACTCGACGTCCAG  
CATTTCGAGCTTGGGGCGGGGGGAGCAGAGCGAGTACCCACCAGCCTTGGCACTCA  
TGCCAGCAGTGACCCACGCGCCTGGCTGGCTCCCGTGCAGGC TGGCACCTGCGC  
GGCACACGCCGAATACCTGCTGCACTCGCCCGGCTCGAGCGCGGAAGGCGTGTCC  
TCTGCCTCCA ACTTCAGGAAGAGCAGCAAGAGTCCTGTCAAAGTACGCGAGCTCT  
GCCGGCTTAAAGGAGCTGTGGGGGCAGATGAGGGCAGACAGCGGGCCCCATCCA  
GCAAATCCACCAACGTCGTG

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg: Forward/Reverse primer

atcg: Crisper/cas9 target site

### **Genotyping assay**

#### **Primers:**

CZ1539-forward: 5' AATATCCGTCCCTGTATCCA 3'

CZ1539-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		





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China Zebrafish Resource Center (CZRC)  
National Aquatic Biological Resource Center (NABRC)

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**Product size: 404bp**

### **Reference**

None

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