

***edn3b*^{ihb484/+} (CZRC catalog ID: CZ1435)**

Nature of the mutation

Between 194 bp to 195 bp of the wild-type *edn3b* coding sequence, GC are mutated to A in exon 2.

Sense Strand Sequence

taaatctgtaactcaactcttgcatggattttctttgattgggggtgaaacatcctgcaatgtttgtaaggtcaccaattgcagtatat
gtgctttgacttttgataattgaattaaattccagATACATCGTTTTCCAGTGAGGGAGACTTGC ACTCA
TCTCCAGTCTTCTCTGGTGGTTCCAGCAGTGTTGGACATCAGCAGAAAGAAGCGA
AGCTTGTTTCAGCATCACACGCTCACACAAGATCCAAGCGCTGCACTTGCTACTCT
TTCAAAGACAGAGAATGTGTTTATTACTGTCATTTGGGCATCATCTGGATCAACACC
CCACAGtgagtacatttatcctcattccaagctgataaaagatgataaagtcatactgtatacaggttggtgacgttactctttogct
gtcacacataac

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : Crispr/cas9 target site

Genotyping assay

Primers:

***edn3b*_forward: 5' TAAATCTGTA ACTTCAA ACT 3'**

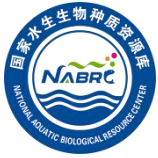
***edn3b*_reverse: 5' GTTATGTGTGACAGCGAAAG 3'**

PCR program:

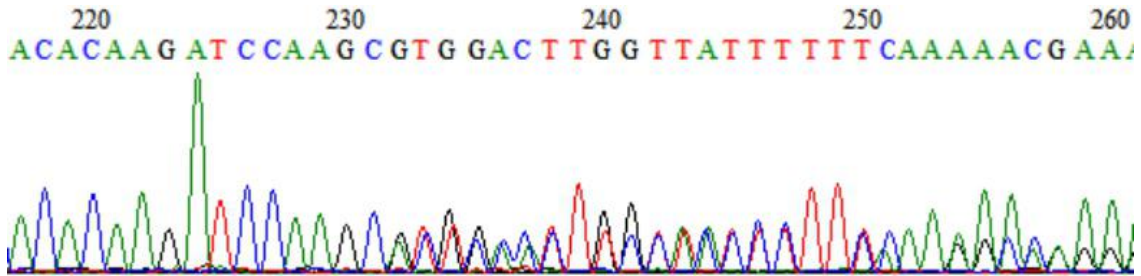
95°C	5min	} 30 Cycles
95°C	30 sec	
53°C	30 sec	
72°C	30 sec	
72°C	8min	
4°C	hold	

Product size: 441 bp





The sequencing results of the CZ1435:



WT	ACACGCTCACACAAGATCCAAGCGCTGCACTTGCTACTCTTTCAAAGACAGAGAATGTGT
CZ1435	ACACGCTCACACAAGATCCAAGCA-TGCACTTGCTACTCTTTCAAAGACAGAGAATGTGT
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Reference:

None

