

***edn3b*^{ihb482/+} (CZRC catalog ID: CZ1436)**

Nature of the mutation

Between 104 bp to 113 bp of the wild-type *edn3b* coding sequence, CAGTCTTCTC are deleted in exon 2.

Sense Strand Sequence

taaatctgtaactcaaaactcttgc atggattttctttgattgggggtgaaacatcctgcaatgtttgtaaggtcaccaattgcagtatat
gtgctttgacttttgataattgaattaaattccagATACATCGTTTTCCAGTGAGGGAGACTTGC ACTCA
TCTCCA GTCTTCTCTGGTGGTTCCAGCAGTGTGGACATCAGCAGAAAGAAGCGA
AGCTTGTTTCAGCATCACACGCTCACACAAGATCCAAGCGCTGCACTTGCTACTCT
TTCAAAGACAGAGAATGTGTTTATTACTGTCATTTGGGCATCATCTGGATCAACACC
CCACAGtgagtacattatcctcattccaagctgataaaagatgataaagtcatactgtatacaggttggtgacgttactctttogct
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'**

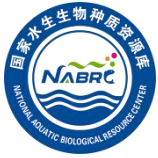
***edn3b*_reverse: 5' GTTATGTGTGACAGCGAAAG 3'**

PCR program:

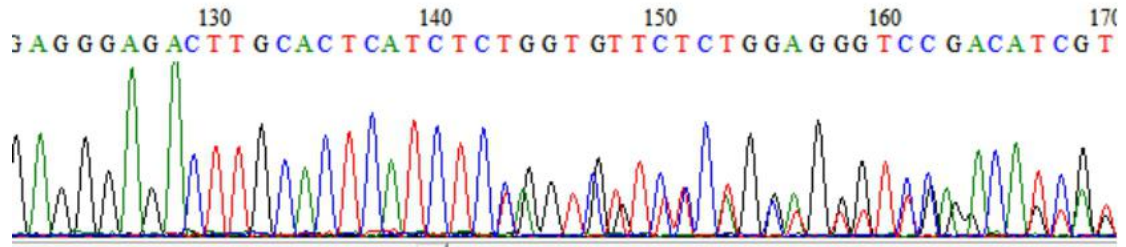
95°C	5min	} 30 Cycles
95°C	30 sec	
53°C	30 sec	
72°C	30 sec	
72°C	8min	
4°C	hold	

Product size: 441 bp





The sequencing results of the CZ1436:



WT CTTGCACTCATCTCCAGTCTTCTCTGGTGGTTCAGCAGTGTGGACATCAGCAGAAAGA

ihb482 CTTGCACTCATCTC-----TGGTGGTTCAGCAGTGTGGACATCAGCAGAAAGA

Reference:

None

