



efnb1^{*hza102/+*} (CZRC catalog ID: CZ1459)

Target Position: exon 1

Sense Strand Sequence

tatcatccaggcaacgcttgaaacattggattggaagttgagcccatggagccccttgcctggacgcataacccgctctgttgcattggttcggcaaccggagtagcgtgaccgaaaggatcttatcttctgtctcttctgtctctccgagaaccgtatacATG **GCT**
GGAAGTGACGGCTCGTGGAAATATTACCTCTGGATTCTGACAGCCATGTGCAGATA
CGCGTTACCCGCAGCCAAATCACTGGAGTCGGTCGTGTGGAATTCGCAAATCCC
AAgtaagtgcacgagctcgcgtttaaagtcctctagaatgtagcctacggcttagattgacttgagcgccttgtaaattgacacac
agtttgagt **atgtgacctgaaagtccggtt**

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : Crispr/cas9 target site

Genotyping assay

Primers:

efnb1_forward: 5' tatcatccaggcaacgcttga3'

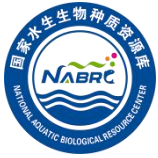
efnb1_reverse: 5' aacggcacttccaggtcaact 3'

PCR program:

95°C	5min	} 30 Cycles
95°C	30 sec	
58°C	30 sec	
72°C	30 sec	
72°C	8min	
4°C	hold	

Product size: 408 bp





The sequencing results of the *efnb1*^{hza102/+} :

hza102: 7 bp deletion

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Query 1 TCTCCGAGAACCGTATACGATGGCTGGAAGTGACGGCTCGTGGAAATATTACCTCTGGAT 60
Sbjct 1 TCTCCGAGAACCGTATACGATGGCTGGAAGTGACGG-----AAATATTACCTCTGGAT 53
Query 61 TCTGACAGCCATGTGCAGATACGCGTTACCCGCAGCCAAAT 101
Sbjct 54 TCTGACAGCCATGTGCAGATACGCGTTACCCGCAGCCAAAT 94
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Reference:

None

