

## **cd80/86<sup>ihb455/+</sup> (CZRC catalog ID: CZ1403)**

### **Nature of the mutation**

Between 471 bp to 485 bp of the wild-type *cd80/86* coding sequence, GGCAGCGGGCGGGTA is deleted, and between 485 bp to 486 bp the wild-type *cd80/86* coding sequence, AGCA is inserted.

### **Sense Strand Sequence**

TTCACCACTCCTGAATCGAAGTCCGAATGCAGCGAGAATGACGGTGCTAAAAAGG  
GGCGGAGCTGTCAGATGAGCTGCTCGGCAGCGGGCGGGTACC CGGTGAGTGACG  
TTAAATGGCTGGGGCTCAACCAGAGCAGAATAAGAGTCCTTCAAACGAGACTGC  
AGAAAATTCAAC

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : Crispr/cas9 target site

### **Genotyping assay**

#### **Primers:**

**cd80/86\_forward:** 5' TTCACCACTCCTGAATCG 3'

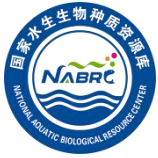
**cd80/86\_reverse:** 5' GTTGAATTTTCTGCAGTCTC 3'

#### **PCR program:**

95°C	5min	} 30 Cycles
95°C	30 sec	
50°C	30 sec	
72°C	30 sec	
72°C	8min	
4°C	hold	

**Product size: 176 bp**





**The sequencing results of the CZ1403:**

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WT          TTCACCACTCCTGAATCGAAGTCCGAATGCAGCGAGAATGACGGTGCTAAAAAGGGGCGG
CZ1403      TTCACCACTCCTGAATCGAAGTCCGAATGCAGCGAGAATGACGGTGCTAAAAAGGGGCGG
*****
  
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WT          AGCTGTCAGATGAGCTGCTCGGCAGCGGGCGGGTACCCGGTGAGTGACGTAAATGGCTG
CZ1403      AGCTGTCAGATGAGCTGCTCAGC-----ACCCGGTGAGTGACGTAAATGGCTG
*****
  
```

**Reference:**

None

