



***cd80*^{ihb456/+} (CZRC catalog ID: CZ1404)**

Nature of the mutation

Between 526 bp to 538 bp of the wild-type *cd80* coding sequence, CTTGACGACAGCT is deleted.

Sense Strand Sequence

TTCAGCACTCCATCTGTGAGGCCGAGTGCGGCGAGCACAATCCCGAAAAGGGGT
GGAGCTGTCAGGTGAGCTGCGGGGCTGGGGGCGGGTACCCACGTAGTGATGTCAT
ATGGGCAGGGCTTAACCAGAGTATGATGATCGTCCTTGACGACAGCTCTTCGGAAG
ATCCTGCATCCAAAACATGGAGCGTCAACCAAACCATCAAGTACACCTGCGAGCG
TCCGGACAATGTCAGCTGTGA

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : Crispr/cas9 target site

Genotyping assay

Primers:

cd80_forward: 5' TTCAGCACTCCATCTGTG 3'

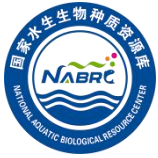
cd80_reverse: 5' TCACAGCTGACATTGTCC 3'

PCR program:

| | | |
|------|--------|-------------|
| 95°C | 5min | } 30 Cycles |
| 95°C | 30 sec | |
| 56°C | 30 sec | |
| 72°C | 30 sec | |
| 72°C | 8min | |
| 4°C | hold | |

Product size: 242 bp





The sequencing results of the CZ1404:

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WT          TGTCAGGTGAGCTGCGGGGCTGGGGGCGGGTACCCACGTAGTGATGTCATATGGGCAGGG
CZ1404      TGTCAGGTGAGCTGCGGGGCTGGGGGCGGGTACCCACGTAGTGATGTCATATGGGCAGGG
*****

WT          CTTAACCAGAGTATGATGATCGTCCTTGACGACAGCTCTTCGGAAGATCCTGCATCCAAA
CZ1404      CTTAACCAGAGTATGATGATCGTC-----CTTCGGAAGATCCTGCATCCAAA
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Reference:

None

