

***cd80*^{ihb454/+} (CZRC catalog ID: CZ1402)**

Nature of the mutation

Between 532 bp to 539 bp of the wild-type *cd80* coding sequence, GACAGCTC is deleted.

Sense Strand Sequence

TTCAGCACTCCATCTGTGGAGGCCGAGTGC GGCGAGCACAATCCCGAAAAGGGGT
GGAGCTGT CAGGTGAGCTGCGGGGCTGGGGGCGGGTACCCACGTAGTGATGTCAT
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'

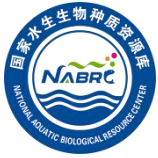
cd80_reverse: 5' TCACAGCTGACATTGTCC 3'

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 CZ1402:

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WT          TGTCAGGTGAGCTGCGGGGCTGGGGGCGGGTACCCACGTAGTGATGTCATATGGGCAGGG
CZ1402      TGTCAGGTGAGCTGCGGGGCTGGGGGCGGGTACCCACGTAGTGATGTCATATGGGCAGGG
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WT          CTTAACCAGAGTATGATGATCGTCCTTGACGACAGCTCTTCGGAAGATCCTGCATCCAAA
CZ1402      CTTAACCAGAGTATGATGATCGTCCTTGA-----CTTCGGAAGATCCTGCATCCAAA
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WT          ACATGGAGCGTCAACCAAACCATCAAGTACACCTGCGAGCGTCCGGACAATGTCAGCTGT
CZ1402      ACATGGAGCGTCAACCAAACCATCAAGTACACCTGCGAGCGTCCGGACAATGTCAGCTGT
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Reference:

None

