



ehd2b^{ihb598/+} (CZRC catalog ID: CZ1590)

Nature of the mutation

Between 420bp and 424bp of the wild-type *ehd2b* coding sequence, CAACC is deleted in exon 3.

Sense Strand Sequence

cagattcacaggctacaccatttgatattaatgagctgtagatataagaatatatgcaaataatgcaacagaacgttctgtatgagcttgaggctgtactaccat
tcaggccggaagaacatttctcagtgttaagtcaattgaaaatctctctctgacagATTCCA **GTGCGCTCAGCTACCCAACC**AGG
TCCTGGAGAGCATCAGCATTATTGACACCCCAGGAATCCTGTCTGGGGCCAAACAGAGAGTGA
GTCGAGgtaagtctggctgaaaaataaggaaagggccttgaaaaatgcaataatagcaacaatgtctcaatttgggctgagaatgattattagtc
catgtacaatttctaactcacaatatgcaaatattctttacaccagtgtaaaccctctagaccctc **agagaacctgttgattggg**

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : Crispr/cas9 target site

Genotyping assay

Primers:

*ehd2b*_forward2: 5' CAGATTCACAGGCTACACCA 3'

*ehd2b*_reverse2: 5' CCAATACCAACAGGTTCTCT 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: 451 bp





The sequencing results of the CZ1590:

WT cattttcagtgctaagttcaattgaaaatctctatctctgacagATTCCAGTGGGCTCAG
 ihb598 cattttcagtgctaagttcaattgaaaatctctatctctgacagATTCCAGTGGGCTCAG

WT CTACCCAACCAGGTCCTGGAGAGCATCAGCATTATTGACACCCAGGAATCCTGTCTGGG
 ihb598 CTACC-----AGGTCCTGGAGAGCATCAGCATTATTGACACCCAGGAATCCTGTCTGGG

Reference:

None

