



## *ehd2b*<sup>ihb597/+</sup> (CZRC catalog ID: CZ1589)

### Nature of the mutation

Between 422bp and 425bp of the wild-type *ehd2b* coding sequence, ACCA is deleted in exon 3.

### Sense Strand Sequence

cagattcacaggctacaccatttgatattaatgagctgtagatataagaatatatgcaaataatgcaacagaacgttctgtatgagcttgaggctgtactaccat  
tcaggccggaagaacattttcagtgtctaagtcaattgaaaatctctatctctgacagATTCCA GTGCGCTCAGCTACCCAACC AGG  
TCCTGGAGAGCATCAGCATTATTGACACCCCAGGAATCCTGTCTGGGGCCAAACAGAGAGTGA  
GTCGAGgtaagtctggctgaaaaataaggaaagggccttgaaaaatgcaataatagcaacaatgtctcaatttgggctgagaatgattattagtc  
catgtacaatttctaaactacaatatgcgacaattatcttacaccagtgtaaaccctctagaccctc 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 CZ1589:**

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WT          cattttcagtgctaagttcaattgaaaatctctatctctgacagATTCCAGTGGCCTCAG
ihb597      cattttcagtgctaagttcaattgaaaatctctatctctgacagATTCCAGTGGCCTCAG
*****

WT          CTACCCAACCAGGTCCTGGAGAGCATCAGCATTATTGACACCCAGGAATCCTGTCTGGG
ihb597      CTACCCA---GGTCCTGGAGAGCATCAGCATTATTGACACCCAGGAATCCTGTCTGGG
*****
  
```

**Reference:**

None

