



## *lhb*<sup>ihb349/+</sup> (CZRC catalog ID: CZ1256)

### Nature of the mutation

8bp of "ATCTGCAG" deletion from position 157bp exon2 of wild-type *lhb* coding sequence.

### Sense Strand Sequence

cattctccagGATGTTATTGGCTGGAAATGGTGTCTTCTTTCTCTTCTTTGTTTTTCCTG  
CTGGCGGCTGCTCAGAGCTTGGTTTTTCCACGCTGTGAGCTAGTAAATGAGACGGT  
ATCGGTGAAAAAGAGGGCTGTCCAAAATGCCTGGTGTTCAGACCACCATCTGC  
AGCGGCCACTGCGTAACAAGGgtgaacacatttgggaaacattttttgtgtagtatcacagtcattgtcacagcaa  
gatcgccggttcgagtcaggctcggccagttggcattctgtgtggattgtatgttctccccgtgttggttctccaagtgcctgatt  
ccccactgtcacatacacatgcgcta

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg: Forward/Reverse primer

atcg: TALENs target site

### Genotyping assay

#### Primers:

CZ1256\_forward: 5'- CATTCTCCAGGATGTTATTGGCTG-3'

CZ1256\_reverse: 5'- TAGCGCATGTGTATGTGACAGTG-3'

#### PCR program:

|      |       |   |           |
|------|-------|---|-----------|
| 95°C | 5min  | } | 30 cycles |
| 95°C | 30sec |   |           |
| 55°C | 30sec |   |           |
| 72°C | 30sec |   |           |
| 95°C | 10min |   |           |
| 4°C  | hold  |   |           |

**Product size: 373bp**

