

## *csrp3*<sup>ih245b/+</sup> (CZRC catalog ID: CZ452)

### Nature of the mutation

Between 211 bp to 217 bp of the wild-type *csrp3* coding sequence, TATGGGT is deleted in exon 3.

### Sense Strand Sequence

GGTTTGTCGTAAAGGTTTGGACAGCACACAGTTGCCGCACATGAGTCTGAGATATACTGCAAAACCTGCTA  
CGGCAAGAAATATGGTCCGAAAGGTTATGGGTATGGCCAGGGTGCTGGAGCTTTGAGTTCTGACCCGGTCA  
ATAATGAAGAACTTCAGCCTCAAGAgtagctcctc

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : Crispr/cas9 target site

### Genotyping assay

#### Primers:

*csrp3*\_forward: 5' GGTTTGTCGTAAAGGTTTGG 3'

*csrp3*\_reverse: 5' gaggacgtacTCTTGAGGCT 3'

#### PCR program:

95°C 5min

95°C 30 sec

56°C 30 sec

72°C 30 sec

72°C 8min

4°C hold

} 30 Cycles

**Product size: 178 bp**

## The sequencing results of the CZ452:

```
WT      GGTTCGTCGTAAGGTTTGGACAGCACCACAGTTGCCGCACATGAGTCTGAGATATACTG
CZ452   GGTTCGTCGTAAGGTTTGGACAGCACCACAGTTGCCGCACATGAGTCTGAGATATACTG
*****

WT      CAAAACCTGCTACGGCAAGAAATATGGTCCGAAAGGTTATGGGTATGCCAGGGTGCTGG
CZ452   CAAAACCTGCTACGGCAAGAAATATGGTCCGAAAGGTTATGGGTATGCCAGGGTGCTGG
*****

WT      AGCTTTGAGTTCTGACCCGGTCAATAATGAAGAACTTCAGCCTCAAGAgtagtcctc
CZ452   AGCTTTGAGTTCTGACCCGGTCAATAATGAAGAACTTCAGCCTCAAGAgtagtcctc
*****
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## Reference:

None