

csrp3^{ihb244/+} (CZRC catalog ID: CZ451)

Nature of the mutation

Between 216 bp to 217 bp of the wild-type *csrp3* coding sequence, G is inserted in exon 3.

Sense Strand Sequence

GGTTTGTCGTAAGGTTTGGACAGCACACAGTTGCCGCACATGAGTCTGAGATATACTGCAAAACCTGCTA
CGGCAAGAAATATGGTCCGAAAGGTTATGGGTATGGCCAGGGTGCTGGAGCTTTGAGTTCTGACCCGGTCA
ATAATGAAGAACTTCAGCCTCAAGAgtagtcctc

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : Crispr/cas9 target site

Genotyping assay

Primers:

*csrp3*_forward: 5' GGTTTGTCGTAAGGTTTGG 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 CZ451:

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WT      GGTTCGTCGTAAGGTTTGGACAGCACCACAGTTGCCGCACATGAGTCTGAGATACTG
CZ451   GGTTCGTCGTAAGGTTTGGACAGCACCACAGTTGCCGCACATGAGTCTGAGATACTG
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WT      CAAAACCTGCTACGGCAAGAAATATGGTCCGAAAGTTATGGGTATGCCAGGGTGCTG
CZ451   CAAAACCTGCTACGGCAAGAAATATGGTCCGAAAGTTATGGGTATGCCAGGGTGCTG
*****

WT      GAGCTTTGAGTTCTGACCCGGTCAATAATGAAGAACTTCAGCCTCAAGAgtagtctctc
CZ451   GAGCTTTGAGTTCTGACCCGGTCAATAATGAAGAACTTCAGCCTCAAGAgtagtctctc
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Reference:

None