

***meis2b*^{nju62/+} (AB) (CZRC catalog ID: CZ 283)**

Nature of the mutation

Between 778 bp to 787 bp of the wild-type *meis2b* coding sequence, TTGGCATCTC, is deleted.

Sense Strand Sequence

ttgagaatagcaatggagatcgggtcgaataacaaccgaaggtgatgtttatctcattaagtgactttcttttgcttttctctcgcctctg
cttcacgctgtgtttatcagGAGATGGCTTGGATAACAGCTTGGCATCTCCGGGAAGTGGGGATG
AGGACGATCAGGACAAAAACGGCAGAAGAAAAGAGGAATCTTCCCCAAAGTGGCG
ACCAACATCATGCGGGCATGGCTCTTCCAACATCTCACGGTAAGAGCGGTCTTTGGA
AGTCTTCCGAAATCAGACCAGTGTG

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg : Forward/Reverse primer

Genotyping assay

Primers:

nju55_forward: 5' TTTGAGAATAGCAATGGAGA 3'

nju55_reverse: 5' CACTGGTCTGATTTCGGA 3'

PCR program:

95°C 5min

95°C 30 sec

58°C 30 sec

72°C 30 sec

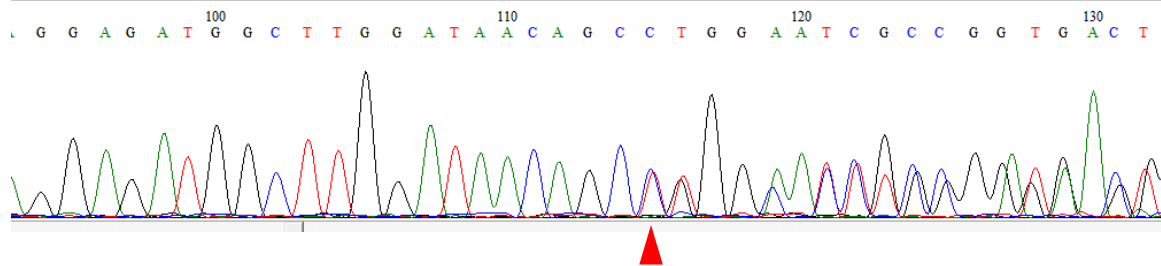
72°C 8min

4°C hold

} 30 Cycles

Product size: 296 bp

The sequencing results of the CZ283(+/-):



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WT      cctgctcgctgcagtccttgggttactggttgctaatcaaaacaagcccccggtggctc
CZ283  cctgctcgctgcagtccttgggttactggttgctaatcaaaacaagcccccggtggctc
*****

WT      tttcacatcgtgtttgagaatagcaatggagatcggctctgaataaacaaccgaagtgat
CZ283  tttcacatcgtgtttgagaatagcaatggagatcggctctgaataaacaaccgaagtgat
*****

WT      gttttatctcattaaagtgactttctcttttgcTTTTTctctctcgctctgctttcac
CZ283  gttttatctcattaaagtgactttctcttttgcTTTTTctctctcgctctgctttcac
*****

WT      gctgttgTTTTatcagGAGATGGCTTGGATAACAGCTTGGCATCTCCGGGAAC TGGGGATG
CZ283  gctgttgTTTTatcagGAGATGGCTTGGATAACAG-----CGGGAACTGGGGATG
*****

WT      AGGACGATCAGGACAAAAAACGGCAGAAGAAAAGAGGAATCTTCCCCAAAAGTGGCGACCA
CZ283  AGGACGATCAGGACAAAAAACGGCAGAAGAAAAGAGGAATCTTCCCCAAAAGTGGCGACCA
*****

WT      ACATCATGCGGGC ATGGCTCTTCCAACATCTCACGGTAAGAGCGGTCTTTGGAAGTCTTC
CZ283  ACATCATGCGGGC ATGGCTCTTCCAACATCTCACGGTAAGAGCGGTCTTTGGAAGTCTTC
*****

WT      CGAAATCAGACCAGTGTGTCCAATGTGTCTCTTGGTGAATTAGCTCAATTCCACAGTTCT
CZ283  CGAAATCAGACCAGTGTGTCCAATGTGTCTCTTGGTGAATTAGCTCAATTCCACAGTTCT
*****

WT      CAGTTCAGTGACC TGCATCCAA
CZ283  CAGTTCAGTGACC TGCATCCAA
*****
  
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Reference:

None