

***meis2b*<sup>nju55/+</sup> (AB) (CZRC catalog ID: CZ 278)**

**Nature of the mutation**

Between 779 bp to 786 bp of the wild-type *meis2b* coding sequence, TGGCATCT, 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

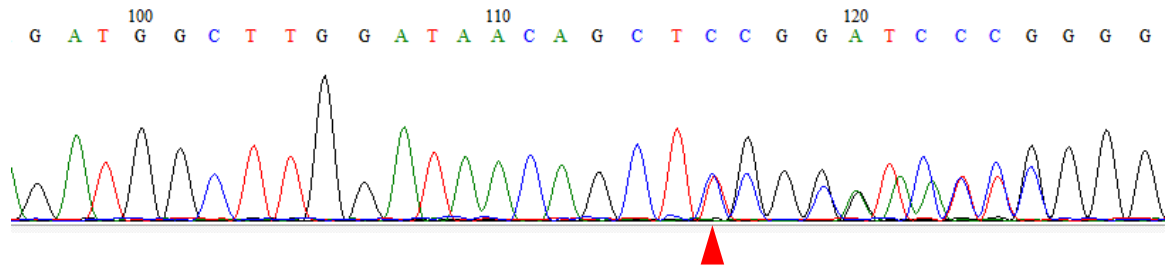
72°C 8min

4°C hold

} 30 Cycles

**Product size: 296 bp**

**The sequencing results of the CZ278(+/-):**



WT	caagagagcgggagaaatctcgctctgttgattagcgttccctctcactgcatggatact
CZ278	caagagagcgggagaaatctcgctctgttgattagcgttccctctcactgcatggatact *****
WT	cctgctcgtcgcagtccttgggttactggttgctaatcaaaacaagcccccgctggctc
CZ278	cctgctcgtcgcagtccttgggttactggttgctaatcaaaacaagcccccgctggctc *****
WT	tttcacatcgtgtttgagaatagcaatggagatcggctcgaataaacaaccgaagtgat
CZ278	tttcacatcgtgtttgagaatagcaatggagatcggctcgaataaacaaccgaagtgat *****
WT	gtttatctcattaaagtgaactttctcttttgctttttctctctcgccctcgtcttcac
CZ278	gtttatctcattaaagtgaactttctcttttgctttttctctctcgccctcgtcttcac *****
WT	gctgttgtttatcagGAGATGGCTTGGATAACAGCTTGGCATCTCCGGAACTGGGGATG
CZ278	gctgttgtttatcagGAGATGGCTTGGATAACAG-----CTCCGGAACTGGGGATG *****
WT	AGGACGATCAGGACAAAAACGGCAGAAGAAAAGAGGAATCTTCCCCAAAGTGGCGACCA
CZ278	AGGACGATCAGGACAAAAACGGCAGAAGAAAAGAGGAATCTTCCCCAAAGTGGCGACCA *****
WT	ACATCATGCGGGCATGGCTCTTCCAAACATCTCACGGTAAGAGCGGTCTTTGGAAGTCTTC
CZ278	ACATCATGCGGGCATGGCTCTTCCAAACATCTCACGGTAAGAGCGGTCTTTGGAAGTCTTC *****
WT	CGAAATCAGACCAGTGTGTCCAATGTGTCTCTTGGTGAATTAGCTCAATTCCACAGTTCT
CZ278	CGAAATCAGACCAGTGTGTCCAATGTGTCTCTTGGTGAATTAGCTCAATTCCACAGTTCT *****
WT	CAGTTCAGTGACCTGCATCCAA
CZ278	CAGTTCAGTGACCTGCATCCAA *****

**Reference:**

None