

***znf703*^{nju56/+} (AB) (CZRC catalog ID: CZ 279)**

Nature of the mutation

Between 334 bp to 344 bp of the wild-type *znf703* coding sequence, TGGGATCCCT, is deleted.

Sense Strand Sequence

CTGGATGCTAAAAAGAGTCCCTAGCATTGCTGGCTCAGACCTGCTCTCAGATCGGA
AAGCCAGATCCTCCTCCCTCCTCTAAACTGGGATCCCTCTCCTCCAGCAGCCATGGAG
ACAAGGACAGCCGCTCCAGCAGCTCTAGCCTGAAGTCTGGGGAGCATCAGAACCTAG
ATGACAAGTCCAGCTTTAAGCCTTACTCTAAACTGGATCAGAATGCCGAAAGGAGG
GTGCTGGGATCAACAGCTCAGCAGATAAAGCGGGTTTCAGAGTGCCAAATGGCAGTT
CTTCATCTGTGACGTGCACGTCTTTACCTCCGCATGCCCATCTCCACGGGCCAGCTC
CCCTCAGCAAACATCTGGACAGTCACACACACACCGGCAGTCTCAGTCTCCTCTTTCA
CAGAAAA CAGCACATCTACAAACCACC

atcg : Forward/Reverse primer

Genotyping assay

Primers:

nju56_forward: 5' CTGGATGCTAAAAAGAGTCC 3'

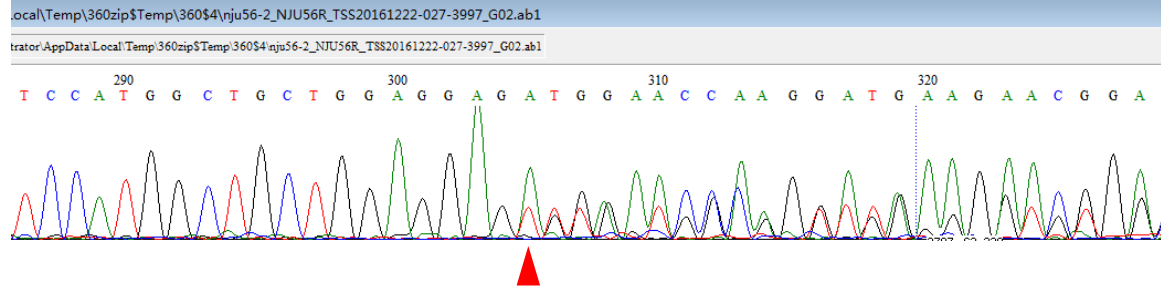
nju56_reverse: 5' GGTGGTTTGTAGATGTGCTG 3'

PCR program:

95°C 5min
95°C 30 sec } 30 Cycles
60°C 30 sec }
72°C 30 sec }
72°C 8min
4°C hold

Product size: 429 bp

The sequencing results of the CZ279(+/-):



WT	CTGGATGCTAAAAAGAGTCCCCTAGCATTGCTGGCTCAGACCTGCTCTCAGATCGGAAAAG
CZ279	CTGGATGCTAAAAAGAGTCCCCTAGCATTGCTGGCTCAGACCTGCTCTCAGATCGGAAAAG *****
WT	CCAGATCCTCCTCCTCCTCTAAACTGGGATCCCTCTCTCTCCAGCAGCCATGGAGACAAG
CZ279	CCAGATCCTCCTCCTCCTCTAAA-----CTCTCTCCAGCAGCCATGGAGACAAG *****
WT	GACAGCCGCTCCAGCAGCTCTAGCCTGAAGTCTGGGGAGCATCAGAACCTAGATGACAAG
CZ279	GACAGCCGCTCCAGCAGCTCTAGCCTGAAGTCTGGGGAGCATCAGAACCTAGATGACAAG *****
WT	TCCAGCTTTAAGCCTTACTCTAAAACCTGGATCAGAATGCCGAAAAGGAGGGTCTGGGATC
CZ279	TCCAGCTTTAAGCCTTACTCTAAAACCTGGATCAGAATGCCGAAAAGGAGGGTCTGGGATC *****
WT	AACAGCTCAGCAGATAAAGCGGGGTTTCAGAGTGCCAAATGGCAGTTCTTCATCTGTGACG
CZ279	AACAGCTCAGCAGATAAAGCGGGGTTTCAGAGTGCCAAATGGCAGTTCTTCATCTGTGACG *****
WT	TGCACGTCCTTACCTCCGCATGCCCATCTCCACGGGCCAGCTCCCCTCAGCAAACATCT
CZ279	TGCACGTCCTTACCTCCGCATGCCCATCTCCACGGGCCAGCTCCCCTCAGCAAACATCT *****
WT	GGACAGTCACACACACACCGGCAGTCTCAGTCTCCTCTTTCACAGAAAACAGCACATCTA
CZ279	GGACAGTCACACACACACCGGCAGTCTCAGTCTCCTCTTTCACAGAAAACAGCACATCTA *****
WT	CAAACCACC
CZ279	CAAACCACC *****

Reference:

None