



***ace2^{ihb442/+}* (CZRC catalog ID: CZ1391)**

Nature of the mutation

13bp deletion , Between 147bp to 160 bp of the wild-type *usp16* coding sequence, TATGGGAAACAGA is deleted in exon8.

Sense Strand Sequence

aacaatcggggctaaaggctgtgtttatcggatcaagattaatgtaatctgtagtgatattaatcattttgtccttaactgaagcaat
aaagtattccggaagattctgagctgtaaattgtcctaattgtggttttagttttattgtaattttattcagGGTTGGGATGAAAT
CCGTCTGTTTAAAGAGGCAGAAAAATTCTTCATGTCTGTAAACATGCCTGCAATGT
TTGACAACTTCTGGAACAACCTCAATGTTTATTAAACCTGAAGAAAGAGATGTGGTT
TGCCATCCTACCGCATGGGATATGGGAAACAGAAAGGACTTCAGgtggggctgataatgcttt
ggtacattcggtcaaatgcacggcaatgattaa

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg: Forward/Reverse primer

atcg: Crisper/cas9 target site

Genotyping assay

Primers:

CZ1391_forward:5'- aacaatcggggctaaaggctc -3'

CZ1391_reverse:5'- ttaatcattgccgtgcattt -3'

PCR program:

95°C	5min	} 30 cycles
95°C	30sec	
55°C	30sec	
72°C	30sec	
95°C	10min	
4°C	hold	

Product size: 392bp

Reference

None

