



mavs^{ihb338/+} (CZRC catalog ID: CZ1240)

Nature of the mutation

13bp deleted, Between 118bp to 130 bp of the wild-type *mavs* coding sequence, CGGGTAAGTGGAT is deleted in exon3.

Sense Strand Sequence

GGAATTAGGCCGTATATGGGTCGTTTTGCAACAGATATCAAAGTAAGAGAGATCTT
ACCTTATCTGCAATGCCTCACAATCTCTGATCGGgtaagtgattcaaatttaaccacaataatcaaaa
ttataccagatatgcaacaataaaaaagctcaattcaaattatttactaactatactgttgagGAAGAGATCGAAGCCAA
GAAAGAACAATATGGAACTACAATGCTGTGCAGACACTTCTGGACAATCTGCGC
AGGCGAGAGAACTGGATTGATGAATTCATCACTGCTCTGCGGAAGTGTGAACTCG
GAAGTCTGGCTAATGAGATGAGCGACATTTATGACAGGATCAGGGGGATCACAAgta
agagcttactgtgttaaagtctgggtgaaatcaaaatagacaaaaattactttgttagctcatattgcttctttagttaacaatggccc
gtgcaggttattctgagaaaaaaaaaatttaactttaacaaaatctgagaatttgctttgctctggaatga

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg: Forward/Reverse primer

atcg: Crisper/cas9 target site

Genotyping assay

Primers:

CZ1240_forward: 5'- GGAATTAGGCCGTATATGGG-3'

CZ1240_reverse: 5'- TCATTCCAGAGCAAAAGCAA-3'

PCR program:

95°C 5min
95°C 30sec
59°C 30sec } 30 cycles
72°C 30sec
95°C 10min
4°C hold

Product size: 546p

