



mavs^{ihb339/+} (CZRC catalog ID: CZ1241)

Nature of the mutation

5bp deleted, Between 116bp to 120 bp of the wild-type *mavs* coding sequence, ATCGG is deleted in exon3.

Sense Strand Sequence

GGAATTAGGCCGTATATGGGTCGTTTTGCAACAGATATCAAAGTAAGAGAGATCTT
ACCTTATCTGCAATGCCTCACAATCTCTGATCGGgtaagtggattcaaatttaaccacaataatcaaaa
ttataccagatatgcaacaataaaaaagctcaattcaaattatttactaactatactgttgagGAAGAGATCGAAGCCAA
GAAAGAACAATATGGAACTACAATGCTGTGCAGACACTTCTGGACAATCTGCGC
AGGCGAGAGAACTGGATTGATGAATTCATCACTGCTCTGCGGAAGTGTGAACTCG
GAAGTCTGGCTAATGAGATGAGCGACATTTATGACAGGATCAGGGGGATCACAAgta
agagcttactgtgttaagctctgggtgaaatcaaaatagacaaaaattactttgttagctcatattgctctcttgagttaacaatgccc
gtgcaggttattctgagaaaaaaaaaatttaactttaaccaaaatctgagaatttgctttgctctggaatga

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg: Forward/Reverse primer

atcg: Crisper/cas9 target site

Genotyping assay

Primers:

CZ1241_forward: 5'- GGAATTAGGCCGTATATGGG-3'

CZ1241_reverse: 5'- TCATTCCAGAGCAAAAGCAA-3'

PCR program:

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

Product size: 546p

