



***ticam1*^{ihb367/+} (CZRC catalog ID: CZ1239)**

Nature of the mutation

5 bp inserted, Between 229bp to 230 bp of the wild-type *ticam1* coding sequence, GTTGG is inserted in exon2.

Sense Strand Sequence

CTCCGCAAGAGCGACTGTTTCAGCCTGACGTACAAAATGGGCCGCAAACCGACTGAG
GAACTGGTTCATGCCATGTGTTTGTATTTTCTGAAGAAACACGAAGCAGCACATG
CTAAGCTAACAGCTATCAAGGATAGCAGGGTTGGAACTACTTGGCGGAAATGATC
AAAACCTCATGGAGAGCGCTTGAAGTGTAGCCACATTGGTGGTTTTATGCAAACGG
ATGTCAATTCGTTATTGGATATCGCAAGAATTTTCGCCATTTTGGTGCAGGAGAGTT
TGTGCGACAAGTCGCACCGAGACAAAGCTTACTGCAAAGCAGTTGAATCATGCAA
AACGGCTGGTTTGCTATCGTTAGACATCGAAGAGGAAGTTAAGCAAGTCTGCGGG
CCTGACGTTATCAGTACATCAAACCTCAGAACTTCCTACGGAAATGTGCAATCCTAAT
TCTCTCAAGGTATCAGACATAAACCCCGATCCATTACCTCCGAATTCAAATTTGGAT
GTTAGTTCCTATTATCTTGAAATTAGCTCGCCTACTGC

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg: Forward/Reverse primer

atcg: Crisper/cas9 target site

Genotyping assay

Primers:

CZ1239_forward: 5'-CTCCGCAAGAGCGACTGT-3'

CZ1239_reverse: 5'-GCAGTAGGCGAGCTAATTTTC-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: 541bp

