



## ***ticam1*<sup>ihb336/+</sup> (CZRC catalog ID: CZ1238)**

### **Nature of the mutation**

14bp deleted, Between 222bp to 235 bp of the wild-type *ticam1* coding sequence, CTAAGCTAACAGCTATCAAGGATAGCA is deleted in exon2.

### **Sense Strand Sequence**

CTCCGCAAGAGCGACTGTTTCAGCCTGACGTACAAAATGGGCCGCAAACCGACTGAGGA  
AACTGGTTCATGCCATGTGTTTGTATTTCTGAAGAAACACGAAGCAGCACATGCTA  
AAGCTAACAGCTATCAAGGATAGCA GGGTTGGAACTACTTGGCGGAAATGATCAA  
AACTCATGGAGAGCGCTTGAAGTGTAGCCACATTGGTGGTTTTATGCAAACGGAT  
GTCAATTCGTTATTGGATATCGCAAGAATTTTCGCCATTTTGGTGCAGGAGAGTTT  
GTGCGACAAGTCGCACCGAGACAAAGCTTACTGCAAAGCAGTTGAATCATGCAAAC  
GCGCTGGTTTGCTATCGTTAGACATCGAAGAGGAAGTTAAGCAAGTCTGCGGCC  
CTGACGTTATCAGTACATCAAACCTCAGAACTTCCTACGGAAATGTGCAATCCTAAT  
TCTCTCAAGGTATCAGACATAAACCCCGATCCATTACCTCCGAATTCAAATTTGGAT  
GTTAGTTCCTATTATCTTGAAATTAGCTCGCCTACTGC

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg: Forward/Reverse primer

atcg: Crisper/cas9 target site

### **Genotyping assay**

#### **Primers:**

CZ1238\_forward: 5'-CTCCGCAAGAGCGACTGT-3'

CZ1238\_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: 541p**

