

tfam^{ihb591/+} (CZRC catalog ID: CZ1581)

Nature of the mutation

4bp deletion and 2bp insertion, Between 38bp to 41bp of the wild-type *tfam* coding sequence, TGCT is changed to AA in exon1.

Sense Strand Sequence

ATAAGGCACTGCGGTCGGACGGCAGATGGAATGGCGCCTTTACAGGA
GGA **GGAGCAGTGACAATCATAAC** AGTTGATTTCAAGATAGCTCGTTTTGTT
CTGTTTTTCATCGCGCATATATAATTTTCATAAGTATTATTGGTGAGATCGCAG
CGCGTGCACG ATG GCTCCATTCAGCTTGAT **GTCAGTGGGGGCTAATCTGCT**
GGTCAAGTCATTCAGCCTGTTCTCGAGTGCATCTGTTGTGAG gtgagcatgcttaac
ttgaggtt **attgattcatgacctgtgtaac** g aacatgttataata agttgtgga aattaattatc tctc tactg tatttatt
gtattcattctgacgaattta aata tacattta aaaaataaac tcaactcacat tagatata ttcac taataatggaaaa tatgaca
gatatttcattaattatgcaaaa tatggcgactg tata tatac atttccaaa ataa tcata cgaacat taga tata ttcata taataa
cgcaaaaatagagatatattcactaataa tgctaaata tgaccgata tata tcaactag taatgcaaaata tgactgata tattcact
agtaatgcaaaaatgaccgatattcac taatgcaaaa tatgac tgata tattcaccag taa tgcaaaa tatgac tgata tatt
caccagtaatgcaaaaatgactgatattcac taata atgc taaata tgaccgata tata ttcactag ta

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg: Forward/Reverse primer

atcg: Crisper/cas9 target site

>WT:

TCAGCTTGATGTCAGTGGGGGCTAATC **TGCT**GGTCAAGTCATTCAGCCTGT

>CZ1581: 4bp deletion and 2bp insertion

TCAGCTTGATGTCAGTGGGGGCTAATC **AA**GGTCAAGTCATTCAGCCTGT



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