



tcf7l1a^{ihb470/+} (CZRC catalog ID: CZ1424)

Nature of the mutation

7bp deletion, Between 33bp to 40bp of the wild-type *tcf7l1a* coding sequence, CCTGGGA is deleted in exon1.

Sense Strand Sequence

TTCTAACCTCCACAGTCGCGC TTGTAAGATTTGGGGTTAGTTCGGATTACTGCAGC
TCTCTTCGTGAGACAGGAAAGTTTCGCTTTAAGCAGACGTTTGGCTTTTCATTTAA
AGTGCCAACATGCCTCAGTTAAACGGAGGAGGAGGTGATGACCTGGGAGCAAAT
GATGAACTTATTTCTTCAAAGACGAGGGCGAACAAGAGGAGAAAATATCCGAA
AATGTGTCGTCGGAGAGAGATCTGGACGAGGTCAAATCCTCACTAGTCAACGAGT
CCGAGAACAACAGCAGCTCATCAGACTCCGAAGTAAGCAAAAAACACTTGTGTA
TCACTCTTATCTTCATATAAGTGATCATTAGTGGCGTTCAAACAGATAGACGTCCT
CGACCGAGACCAGATCTAGAAAGTTACGAGAAACAGAGGGAATACTTTGCGGAA
GG

atcg:Forward/Reverse primer

atcg:Crisper/cas9 target site

Genotyping assay

Primers:

CZ1424_forward:5'- TTCTAACCTCCACAGTCGCGC -3'

CZ1424_reverse:5'- CCTTCCGCAAAGTATTCC -3'

PCR program:

95°C	5min	}	30 cycles
95°C	30sec		
56°C	30sec		
72°C	30sec		
95°C	10min		
4°C	hold		

Product size: 441bp

Reference

None

