



***tcf7l1b*^{ihb315/+*(AB)*} (CZRC catalog ID: CZ1215)**

Nature of the mutation

11bp of "CGGAGGGGACG" deletion from position 20bp exon1 of wild-type *tcf7l1b* coding sequence.

Sense Strand Sequence

tgcgtaaggattattctgaacgtttattccgcattgagtgactgcgctgtttccgtgcacttcagagtcgacacaaactctagattttgtgaccgtttgcaagacaagcccgtaacgttaaacATGCCGCAGCTTAACGGAGGCCGGAGGGGACGAGCTCGGGGCCAACGATGAAATGATCTCATTAAAGATGAAGGCCGAACAGGAGGACA
AAATCTCCGAAAACGTGTCCGCCGAGAGAGATCTGGACGATGTGAAGTCGTCTCTGGTGAATGAGTCGGAAA

Uppercase:Exon/coding sequence

Lowercase:intron/noncoding sequence

atcg:Forward/Reverse primer

atcg:Crisper/cas9 target site

Genotyping assay

Primers:

CZ1215_forward:5'- tgcgtcaaggattatttctg-3'

CZ1215_reverse:5'-TTTCCGACTCATTACCAG-3'

PCR program:

95°C 5min

95°C 30sec

58°C 30sec

72°C 30sec

95°C 10min

4°C hold

} 30 cycles

Product size: 289bp

