



tle3b^{ihb354/+} (CZRC catalog ID: CZ1264)

Nature of the mutation

A 119bp fragment is inserted after “CAAGCTCAGTAC” at exon2.

Sense Strand Sequence

acggactgctctgaaaggagtaatggagaaggtcgttggtgttttggtatggtgtaggaagtcaaagctatagtgcattccgaaaa
cacggaatgttggtgtaatggcatattgcatcagtggttaggctgtattaataatgccttttcttgcagcagttcacataaatgattgatatta
tttttcagGCACCTCACCAGCCTGGCCAGCCGGGCTTCAAATTCAGTGTAGCAGAATCT
TGTGACAGAATCAAAGACGAGTTTCAGTTCCTTCAAGCTCAGTACCA CAGgtaaataatct
ctgctcgctgagctgtatgcgtgcatgtttatcagaatagggtttgtgtaaatcaacctcagttcataggaactacaagtatagtcctt
cattcactatatgaaaagtctttaatgtttggggtttcatggaaatccgtgtaaatcagcagtagtttgtgatgtgagccaa

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg: Forward/Reverse primer

atcg: Crisper/cas9 target site

Genotyping assay

Primers:

CZ1264_forward: 5'-ACGGACTGCTCTGAAAGG-3'

CZ1264_reverse: 5'-TTGGCTCACATCACAAACTA-3'

PCR program:

95°C 5min
95°C 30sec
58°C 30sec } 30 cycles
72°C 30sec
95°C 10min
4°C hold

Product size: WT: 483p mutant: 702bp

