



ZKO1170

target Position: exon 2

Sense Strand Sequence

CTTTATCTCTGCTATCCTGGACCTCATGTGTTTCTGCTCATCATCAATCTGGAGA
 AACTTGACTGACGACCACAGGAACATTGTGCAGGAAATCCTGGAGAGCTTTGGTCCTCA
 AGCCATGAAGTTCACAATGGTGCTGTTTACCGGAAGAGAGAAATTAACAAACAGA
 AAATGGAAGCTCTTTATGGAAAGTAGAAAGTTTCAGGACGTAGTCAATCAATGTGG
 AGGTAATATCACGCTATCAACAGTAAAATGACATTATTCCAAGTCACATCAGAA
 AGCTGCTGGAGAAGATTGATGAAATCCTCAAGCAGAATGATGGCCAGCATTACGA
 CATTGATATTCGCTTAAAAACTCCAATGAAGAACAGGAAAGAAAATATTAAACGAG
 AGAAGGACACTGCCGTGCAAAGAAGCAAGAGCCGAAGAAAGTAGTGCAGGAG
 ACATTTTCATATACACAGTGTAAAGGAAAAGAGCACAA

ATCG: Exon/coding sequence

atcg : Forward/Reverse primer

atcg : cas9 target site

ZKO1170a: 3bp deletion

CLUSTAL format alignment by MAFFT E-INS-i (v7.215)

WT	ATGGAAGTAGAAAGTTTCAGGACGTAGTCAATCAATGTGGAGGTAATATCACGCTATC
ZKO1170a	ATGGAAGTAGAAAGTTTCAGGACGTAGTCAATCAAT---GAGGTAATATCACGCTATC

WT	AACAGTAA
ZKO1170a	AACAGTAA

