

ZKO910

Target Position: exon 3

Sense Strand Sequence

ttttgtaaggcatcgtgtattctttccaatattttgttatatataccgttattaaatatacattttaatgcatcaagtggagttt
tcgctaatttgctcaagtgtattctcaggatgaaaaatcacagattagtttgatttgtttaggtgcgttcggtcaaataaga
tgcatttaaataagattaattgtaaagaagctgatggttttatttctcaatctgtatagAACAAAAGAGACGAGCAT
CTCCTGAAGAAAAGAAATGTTCCACAAGAAGA**GAGTCTGGAGGACTCTGACG**TGGACTCTGA
CTTTAAAGGGtaagaggttttttctgattctgctcacttcataccttcatttaaagattatttttctaaacttttg
ctctttatttcagcaaatgtaacgctagatgccatcttac

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : cas9 target site

ZKO910a: 11bp deletion, 19bp insertion

CLUSTAL format alignment by MAFFT L-INS-i (v6.850b)

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WT          TTCCACAAGAAGAGAGTCTGGA-----GGACTCTGACGTGGACTCTGACTTTAAAGG
ZKO910a     TTCCACAAGAAGAGAGTCTGAAGAGAGTCTGGAGAGTCTCGTGGACTCTGACTTTAAAGG
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WT          GGTAAGAG
ZKO910a     GGTAAGAG
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