

ZKO1004

Target Position: exon 1

Sense Strand Sequence

CACCGACCTCCGTTATCCAGCAGTCATGGCTGACGTTCCCGCGGTAATAAACATCGCCGTTTCG
TTGAAAATCCAGCCCAATGACGGACCCGTGTTTATAAGGTGGACGGACGAGGTTTCGGACA
GACcaggACGATCAAATTGCTGACGGGATCGAAATACAAATCGAGGTGATCACGAAACCGG
GCAGCGCCGAGGCCACGTAAGTCCGTCTGATATTGGATTTCTTTTACAATGTAATAATATGTTT
GTCATTAGAAACAAGGTCGAAAGGTGC

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : cas9 target site

ZKO1004a: 10bp deletion

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

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WT          TTTTATAAGGTGGACGGGACGAGGTTCCGACAGACCAGGACGATCAAATTGCTGACGGGA
ZKO1004a    TTTTATAAGGTGGACGGGACGAGGTTG-----GGACGATCAAATTGCTGACGGGA
            *****                               *****
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ZKO1004b: 4bp deletion

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

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WT          TTTTATAAGGTGGACGGGACGAGGTTCCGACAGACCAGGACGATCAAATTGCTGACGGGA
ZKO1004b    TTTTATAAGGTGGACGGGACGAGGTTG----GACCAGGACGATCAAATTGCTGACGGGA
            *****                               *****
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