

ZKO295

Target Position: exon 1

Sense Strand Sequence

GCGCTGTGAACGCAAGTTAGTGCAGTTTACACTTCCAAAGGAGGAGAGCGCGAGAAAGCAG
TGGTTAGACTTCATTTTCACACGCACACCGAAGCGCTATAGTCCTAACCTTGTGCTCTGTTCCC
GTCATTTCACTGACGACTGCTTCAAAATCTCGGCGGATCAACGCGGGGTTTGCGAAACGC
TTAAAAGTCAAAGAAGGTCTGTGCCCACTTTATTGGACCAGCTTGCTCCTCCGAATCGCAA
CCTgta

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : cas9 target site

ZKO295a: 4bp deletion

CLUSTAL format alignment by MAFFT FFT-NS-i (v7.215)

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WT          CTAAAAGTCAAAGAAGGGTCTGTGCCCACTTTATTTGGACCAGCTTGCTCCTCCGAATC
ZKO295a     CTAAAAGTCAAAGAAGGGTCTGTGCCAC-----TTTGGACCAGCTTGCTCCTCCGAATC
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ZKO295b: 2bp deletion; 1bp insertion

CLUSTAL format alignment by MAFFT FFT-NS-i (v7.215)

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WT          TAAAAGTCAAAGAAGGGTCTGTGCCCACTTTATTTGGACCAGCTTGCTCCTCCGAATCGC
ZKO295b     TAAAAGTCAAAGAAGGGTCTGTGCCCACTT--CTTGGACCAGCTTGCTCCTCCGAATCGC
*****
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