

ZKO1065

Target Position: exon 1

Sense Strand Sequence

AATGAAGAGCGAAGAAGACTCCATCTGGAGTTTGAACAGCAGCGTCTTCACATCTCTCAGAA
ACCCTCCGCTTCTGGAGCGCGAACGGTTGAAGAAAGAACAGAAGGACGCCAAGCTACGC
GAGCAAACACTTCAGCGTAACAAAGAGGAAGAGGAGAGGAGGAAGTGCCCGTTAAAGCC
AAACCTGTCCCAAAGGCGGTGAAGGAAGCCACGTTGGGCGAGCGACAGAAAGAGGAGGA
ACTCTACAGGGCAATTAATGCAGATGCGGGCGAGAGAGATGCTACACACTGCATCCATGC
CTCCTAGCATGCTTGCGCGTCAGCTCAGCGAAAAACAACTCAAAGATCATCGTTAAAGATG
CCGAAGAGACACACCAGCCCAAATCAACGCTGAAGTGCCAGATTCGATGCCAGCTACAGG
AGGTTTCGGAAGCAGCTGGCAAACGTAAAGAGGTGATGCCTGTCACATCATGCGAACCATT
CCAACCTGCGCACAGCTAACATCACATCGCACAAA

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : cas9 target site

ZKO1065a: 11bp deletion

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

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WT          AAAGAGGAAGAGGAGAGGAGGAAGTGCCCGTTAAAGCCAAACCTGTCCCAAAGGCGGTG
ZKO1065a    AAAGAGGAAGAGGAGAGGAGGAAGTGCC-----AACCTGTCCCAAAGGCGGTG
*****                                         *****
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WT          AAGGAAGCCACGTTGGGCGA
ZKO1065a    AAGGAAGCCACGTTGGGCGA
*****
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ZKO1065b: 3bp deletion

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

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WT          AAAGAGGAAGAGGAGAGGAGGAAGTGCCCGTTAAAGCCAAACCTGTCCCAAAGGCGGTG
ZKO1065b    AAAGAGGAAGAGGAGAGGAGGAAGTGCCCG---AAAGCCAAACCTGTCCCAAAGGCGGTG
*****                                         *****
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