

ZKO264

Target Position: exon 3

Sense Strand Sequence

caatcccttctgctttcaaacacaaatctgtaagtaactgtttttacaaattaagtgattaaacataaaacaagta
agttgtcaaaaaaacctaagaattgtgtgtttcaactcatttaataagtagttgaacaagcagcaaaagtcatttt
ttagtgcataaaaataatgaactaatcgattgtgtgggacagcatgaagaaattgtgtgaagtgttttatagtagc
tgacatctattcttattatgctgcctgttaggatggagagAACACATTCAACA**GGGCCAAACTGCTCAAT**
GTGGGTTACGCAGAGGCGCTGAAGGAGTACGACTATGATTGTTTCATCTTCAGTGATGTAGAC
ATCATCCCTATGGACGATCGCAACACCTATGGGTGCTCCAGTCAGCCGCGCCACCTCTCCGTCT
CCATGGACAAGTTCGGCTTCAGgtat**agtcccagtaggcacacagc**

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : cas9 target site

ZKO264a: 5bp deletion, 10bp insertion

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

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WT          gAACACATTCAACAGGGCCAAACTGCTCAA-----TGTGGGTTACGCAGAGGCGCTGAAG
ZKO264a     gAACACATTCAACAGGGCCAAACTGCTCAACAGCTCAACTGTTACGCAGAGGCGCTGAAG
*****
WT          GAGTA
ZKO264a     GAGTA
*****
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