



ZKO1172

target Position: exon 2

Sense Strand Sequence

ATGCTGGAGGAAAACGGAGGACAGTTTTACACCAATGAGATGTACATGGAGGCTC
AGAGAGGCAGAAATCTGACCAGGGCTCAGAAAGCGGTGTTTGTGGGAGCAGGTCT
GCTTGGAGGAGCCATTGAAGGAGCAGGAGCTGTTGCTGTGGTTCAAAGTCCATGGCTTT
AGCAGCCATTCCTGCGGCTTTTATCGCTGCAGGAGTCGCTATAATGGCTGAAGGAG
CTGCTCTGACTTTTATAGATGCACTGAGAGCATGCATAAAAAGGAGAAATAGAGAC
AATGGTAAATAAAGGTTATGAGGACAGTGTGGAGTGATGC

Uppercase: Exon/coding sequence

lowercase: intron/noncoding sequence

ATCG: Forward/Reverse primer

ATCG: cas9 target site

ZKO1172a: 24bp deletion, 41bp insertion

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

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WT          GTTTGTGGGAGCAGGTCTGCTTGGAGGAGCCATTGAAGGAG-----CAGGAGCTGTT--
ZKO1172     GTTTGTGGGAGCAGGTCTGCTTGGAGGAACCACAGGAAACGCTCCTTCAATGGCTCCTCC
            *****.***. *.*. . *          **. .*** .*

WT          -----GCTGTGGTTCAAAGTCCATGGCTTTAGCAG
ZKO1172     TTTGAAGGAGCTGTGGTTCAAAGTCCATGGCTTTAGCAG
            *****
  
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