

ZKO622

Target Position: exon 1

Sense Strand Sequence

TGCCCTTGTATGTGGCAAGAG TCCGAAAATCATACGGAAGATGGCATCAACTAAAGGAAAAG
CTGGAATAATAATGAAAGCAGTTCTGGTCCGGATAGTGGCAGGACAGAAGCTGGCAGCCCC
ACGTTACCCGCAGGGGCCGCATCCCTGACCACCAACCGGACCTACACACTAGATGACCTGGAT
ACAATTGCCACCGTTGgtgagttaacgttaagttagtcctggattcaattaaacactataaatgtgttgccaaatt
ctttatgaacaacaaagtatgtacagcctggtttatcccatcaaataacttcattttaagatttgtttattcgtattcctacgat
aacagtttaacatgccgaattatagatagatacaagccagagctttatagcagcataataattgccctgggaatgcc
atgggactgactccagtcagtaatggcctctcaagtacacctgcatccttgcttg

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : cas9 target site

ZKO0622a: 2bp deletion

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

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WT          CAGGACAGAAGCTGGCAGCCCCACGTTACCCGAGGGGCCGCATCCCTGACCACCAACCG
ZKO0622a    CAGGACAGAAGCTGGCAGCCCCACGTTA--CGCAGGGGCCGCATCCCTGACCACCAACCG
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ZKO0622b: 5bp deletion, 7bp insertion

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

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WT          CAGGACAGAAGCTGGCAGCCCCACGTTACCCGCA--GGGGCCGCATCCCTGACCACCAAC
ZKO0622b    CAGGACAGAAGCTGGCAGCCCCACGTTACCTATGACAGGGGCCGCATCCCTGACCACCAAC
*****
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