

ZKO713

Target Position: exon 2

Sense Strand Sequence

gttggtgctccagtaatgttgcggtagtttgacagacaagagcagcaaccattttctttttgttttacagAACCGCCTG
AATCATCCCAAAAATTCATAAAGTACACCATGATAAAGACGATGACAATGACCTTTCTGTTGT
TGCGGTGAAACCATAACTCCAGAACCAGgtgagtttgatttacttagaaagaattactttgaatgtgcaat
catgtataagatagaccaagccaacgtatttgaaaatgaaacacatctaccacaactgttgc

Target Position: exon4

Sense Strand Sequence

GTCTTGACACAAGCACTGAATGCAGCACACAGTAACACTGATGAGGAGTCCATGACTTCTTCC
TCCTCTTCAGATTCACCTGATAGTGATATTCCTCGGAAGAAGAGAAAGAGTCATAAGAAGACA
AAGAGGGCCAGCAGGTCAAAATCTACCAAGCACAGCACACGTGgtaagcatatctctgttttgaat
gccatcttctgttgatgtgtaacttagtcaatagaaccccatgga

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : cas9 target site

ZKO713a: 1bp deletion

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

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WT          GTTGCGGTGAAACCATAACTCCAGAACCAGgtgagtttgatttacttagaaagaatt
ZKO713a     GTTGCGGTGAAACCATAACTCCAGAACC-Gtgagtttgatttacttagaaagaatt
*****
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ZKO713b: 1bp deletion, 4bp insertion

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

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WT          AAAGAGTCATAAGAAGACAAAGAGGGCC---AGCAGGTCAAAATCTACCAAGCACAGCAC
ZKO713b     AAAGAGTCATAAGAAGACAAAGAGGGCCTATGGCAGGTCAAAATCTACCAAGCACAGCAC
*****
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