

ZKO730

Target Position: exon 2

Target Position: exon 13

Sense Strand Sequence

GGTTGCCGCTTGTGTTTACC GCGTCATGCGGGCAGGATGGATGTGAAAGAACGCAGGCC
TACTGCTCATTGACTAAGAGCAGGAGAGAGAAAGAGCGCCGCTACACGGGCTCATCGGGCG
ACAGCGAGGACTGTCGCGTGCCCA CCCAGAAGTCCTACAGCTCC AGCGAGACGCTCAAGGC
CTTCGACCACGACTCCTCACGTCTGCTTTACGGAGGCCACGTCAAAGAGATGGTCCACCGAG
AGGCAGACGAGTATAGCCGCCAAGgtgagtcgcccagacttcaccccgtccacaggtcacatgacacaaact
gaaataacatgtgcctaaaaaca cgtcaagaatgcgctcttgac

cccacagcagccttaagggaactgaattatggcgtctacagagacaggggcacaagagtcacataaataagttagag
tgagagtgagagagagaggcagactttgtgtgctttctagttattacagtggttagacatttaacattgcagtgaaagct
tagtgaatccatgttcagtcagtcgttaaatacatattaatggtgtgtgtgggggttctcaccactgtttgtttgtttgca
gCCTGGTGTCCATTATAAGA GGGCAGGTGCTCACTGCAGATGGCACACCTCTGATTGGAGTCA
ACGTGTCCTTTGTGCACTATCCAGACCACGGATACACCATCACacgacaggacggcatgtaggtgaaa
acacaagcagacatgcatccatactgttctgtccttgaacatcacaata cagcacagggtacagatgcac

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : cas9 target site

ZKO730a: 1bp insertion

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

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WT          CGACAGCGAGGACTGTCGCGTGCCACCC-AGAAGTCCTACAGCTCCAGCGAGACGCTCA
ZKO730a     CGACAGCGAGGACTGTCGCGTGCCACCCAAGAAGTCCTCCAGCTCCAGCGAGACGCTCA
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ZKO730b: 7bp deletion

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

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WT          TCCATTATAAGAGGGCAGGTGCTCACTGCAGATGGCACACCTCTGATTGGAGTCAACGTG
ZKO730b     TCCATTATAAGAGGGCAGGTGCTCACT-----GCACACCTCTGATTGGAGTCAACGTG
*****
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