

ZKO231

Target Position: exon 6

Sense Strand Sequence

CATTAGGATTCATGGCAAGgtaaaaacatgggtttggctgttggcagatgcaaattcaaaaagtggccaac
agtgtgatgtgtctgttgtgtgtttaagGGAGAAGAGAACTTACTGGTCCCGTTCATGCATATCCTGT
TATCAATGACCTTCACATCCCATCTCACATTAGTCTTCCCCCAGTGCCGCTTGGACAGAGgtacag
ttacagtaatcatcaaattacaccaataacagggtatataactgggattgtttcttcatgtgattcaaaaggaaaagt
ctaaatattaccagggatgcacccat

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : cas9 target site

ZKO231a: 2bp deletion, 3bp insertion

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

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WT          TATCCTGTTATCAATGACCTTCACATCCCAT-CTCACATTAGTCTTCCCCCAGTGCCGCT
ZKO231a     TATCCTGTTATCAATGACCTTCACATCCCATGACCACATTAGTCTTCCCCCAGTGCCGCT
*****
***** .*****
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ZKO231b: 8bp insertion

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

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WT          TATCCTGTTATCAATGACCTTCACATCCCATC-----TCACATTAGTCTTCCCCCAG
ZKO231b     TATCCTGTTATCAATGACCTTCACATCCCATCACATCACATCACATTAGTCTTCCCCCAG
*****
*****

WT          TGCCGCTTGACA
ZKO231b     TGCCGCTTGACA
*****
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