

ZKO13

Target Position: exon 2

Sense Strand Sequence

tactat~~ttt~~atgttcctgttatggatgtcagtggtgaaaattcttcattatatcttgcttggcttaaaatcataaagaacatc
ataaactttaagaacccttaagcatgagtaaaacagtcgcctgtaattgaaggataatctgatgattcagGGA~~GGCA~~
~~TCTGAGAGCTCGGAGC~~CGTTTCAGCTCTACTGGAGATCTGATAAACAGGCCATCCATCAGCTG
GATGAAGATGGAGCCCAGACCAAGAGCTACAGCTTCGgtgagtgaggctctagtgatgggtaatggct
gacactgacctaaaatcactggttgatgttctgacactgactagaacactgtttaatgctctgacactaactaatactagct
ctggcaatccaagtagtagagc

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : cas9 target site

ZKO13a: 7bp deletion

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

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WT          AATTGAAGGATAATCTGATGATTCAGGGAGGCATCTGAGAGCTCGGAGCCGGTTCAGCT
ZKO13a     AATTGAAGGATAATCTGATGATTCAGGGAGGCATCTGA-----GAGCCGGTTCAGCT
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WT          CTACTGGAGATCTGA
ZKO13a     CTACTGGAGATCTGA
*****
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