

ZKO1086

Target Position: exon 8

Sense Strand Sequence

gtttgagtattgatgtatggtaaacagtacaacgtttaaccgtgagctgtgtgtgcagGCCATGAGCTGTGCTAATG
AGGTGGTGCCTATGAGATCGTGCTCTCCATCACGCGCCTCATTAATAAATACGGCCGCGAGC
TGCAGGTGGTGACCTGGGACATCCTGCTGTCCATCATAGACAGACTCCTGCAGCAGATACAGg
tacagacacacagatgcacacatgtttctatatcccagagaggactctcatagacgtaatgatgtttctactatataaaccg
catattctgtcaaa

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : cas9 target site

ZKO1086a: 2bp deletion, 6bp insertion

CLUSTAL format alignment by MAFFT G-INS-i (v7.215)

```
WT          ATCACGCGCCTCATTAATAAATACGGCCGCGA-----GCTGCAGGTGGTGACCTGGGACAT
ZKO1086a    ATCACGCGCCTCATTAATAAATACGGCCGCGATATATATGCAGGTGGTGACCTGGGACAT
*****
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WT          CCTGCTGTCCA
ZKO1086a    CCTGCTGTCCA
*****
```

ZKO1086b: 7bp deletion

CLUSTAL format alignment by MAFFT G-INS-i (v7.215)

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WT          ATCACGCGCCTCATTAATAAATACGGCCGCGAGCTGCAGGTGGTGACCTGGGACATCCTG
ZKO1086b    ATCACGCGCCTCATTAATAAATACGGCC-----GCAGGTGGTGACCTGGGACATCCTG
*****
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