

ZKO456

Target Position: exon 6

Sense Strand Sequence

GCGTGAACATGCAAGTTGTTTATTAGTAAGGATCAGTATTGTTTCTGAGAGTGTTTTACTCTA
TTACCATATTCTGTGAGCACCAAACAAAAAAGCGACAACAACATCTCAAATTTTTTTTTTTC
TCTGTGATTTTCTCTCAGGCAGCTGGACTATAATCAGATTTCTGCATTGAAGATGGAGCGT
TCAGAGCTCTGC GGGACTTAGAAGTACTgtaagtcactatgtgtgagtgtgtgtgtgtgagagactgttga
ataaaatccaacatagagatgttttaaaaatcaagattttattagacttgggtcaaagcggggccacacaggttgaga
atgttcaga

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : cas9 target site

ZKO456a: 5bp deletion

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

```
WT          AATCAGATTTCTGCATTGAAGATGGAGCGTTCAGAGCTCTGCGGGACTTAGAAGTACTg
ZKO456a     AATCAGATTTCTGCATTGAAGATGGAGCGTTCAGA-----GCGGGACTTAGAAGTACTg
*****
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```
WT          taagtcacta
ZKO456a     taagtcacta
*****
```

ZKO456b: 10bp deletion

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

```
WT          AATCAGATTTCTGCATTGAAGATGGAGCGTTCAGAGCTCTGCGGGACTTAGAAGTACTg
ZKO456b     AATCAGATTTCTGCATTGAAGATGGAGCGTTCAGAG-----CTTAGAAGTACTg
*****
```

```
WT          taagtcacta
ZKO456b     taagtcacta
*****
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