

ZKO420

Target Position: exon 6

Sense Strand Sequence

atcgtgtctattgacctggttcatatattgatctttgacctccagGGCAATTCTCTGCTGTTCTGCCTAATGT
TCTGAAGGTCTATCTGGAGAACGGCCAAACGAAGGCTTCAAGTTTGAATCTAAAACCACTG
TTAAGtaatgtagacacattcactataatgtcactaatgtaatgagttatgatggattttcggtcagcatgaaataggt
ttaaagtacaatggtaaatacatataacaacatatatgtatattaaaaacatacatatgttacatagccttgcgtaaa
aatgtaa

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : cas9 target site

ZKO420a:11bp deletion

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

```
WT          GTTCTGAAGGTCTATCTGGAGAACGGCCAAACGAAGGCTTCAAGTTTGAATCTAAAACC
ZKO420a     GTTCTGAAGGTCTATCTGGAGA-----AAGGCTTCAAGTTTGAATCTAAAACC
            *****                               *****
```

ZKO420b:2bp deletion, 1bp insertion

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

```
WT          GTTCTGAAGGTCTATCTGGAGAACGGCCAAACGAAGGCTTCAAGTTTGAATCTAAAACC
ZKO420b     GTTCTGAAGGTCTATCTGGAGAACGGCC-AGCGAAGGCTTCAAGTTTGAATCTAAAACC
            ***** * *****
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