

ZKO263

Target Position: exon 2

Sense Strand Sequence

gctttgggtgtgtcaggaatgagactctcttggctgtattctgatcagcttctagaaactgccagaacaggttaacttctc
catcattttctcagtagattctaagaaatattcacttttggttcagGAGCATCTGGGTCATCCCGAAAGgtatgggg
gaattttggttgtcagtgattaactagtggtttttttttttttgtgtctgtccgtacatgcatgtgttcaagggtttggaatc
ccacatat

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : cas9 target site

ZKO263a: 19bp deletion

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

```
WT          ttgtttcagGAGCATCTGGGTCATCCCGAAAGgtatgggggaatttttgtgtttgtcagt
ZKO263a     ttgtttcagGAGCATC-----TGGGgaatttttgtgtttgtcagt
*****                               *****
```

```
WT          gattaa
ZKO263a     gattaa
*****
```

ZKO263b: 5bp deletion

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

```
WT          ttgtttcagGAGCATCTGGGTCATCCCGAAAGgtatgggggaatttttgtgtttgtcagt
ZKO263b     ttgtttcagGAGCATCTGGGTCATCCCGA----Atgggggaatttttgtgtttgtcagt
*****                               *****
```

```
WT          gattaa
ZKO263b     gattaa
*****
```