

ZKO265

Target Position: exon 2

Sense Strand Sequence

tgatacatccttacacttctgctggtatattgtaatatgGTTGTATAATTTTCTGTGTTTCAGGTCTTCATT
ATGTTTCTGCTCTCATTAGTGCAGCGGCGAGCCAGGGCTCAGCCTTTTGA**GGACCGCTTCCA**
TATCTCAAGGGCCGATTCGGCATTGTGGTgtgagttctctttaaacaaatctgtagttgtacattttatccat
ctatgctttcaattgttttttttgtgttactttgcaggccactagatttcattggcagtctaagtaaccgatggcttacggtt
tcgatttgggtccattgctcccagcgtgattcagctcttctctgagtcctacgcaccattttat**gtgcctaactgggctaag**

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : cas9 target site

ZKO265a: 2bp deletion, 7bp insertion

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

```
WT          CTCAGCCTTTTGAGGACCGCTTCCATATC-----TCAAGGGCCGATTCGGCATTGTGGT
ZKO265a     CTCAGCCTTTTGAGGACCGCTTCCATATCAGGAAATAAGGGCCGATTCGGCATTGTGGT
            *****
            .*****
```

```
WT          GTGAGTTC
ZKO265a     GTGAGTTC
            *****
```

ZKO265b: 32bp deletion

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

```
WT          CTCAGCCTTTTGAGGACCGCTTCCATATCTCAAGGGCCGATTCGGCATTGTGGTGTGAG
ZKO265b     CTCAGCCTTTTGAGGACCGCTTCC-----GAG
            *****
```

```
WT          TTC
ZKO265b     TTC
            ***
```