

ZK0267

Target Position: exon 2

Sense Strand Sequence

cgtaatttggcgggactgtctctgtattattcaatatgctagtttgatttcagaactaatgttttatggatgaaattgtttcagA
ATGCACTGTTGCCGGCGGGATACAGACAAAGGGATCAGACTAAGAAAGCT
CCGACAGGAACGTTCCAGAGAGATAACCTTCTGGCTCACCTCGAGAAACA
AGCTAAAGAACATCCA **GACCGGGATGATCTAGTTCC** CTACACTGGCGAGAA
AAGAGgtgagaaatgcagaacaatgagaacttttagaaagcagtcctttcaataaatcttacaaacgattcattgttca
cagtgaatgtcttttaaatctgaagtttcatTTTTTgtccttaattaatttaattttgact **tccttgtttagtagattagaatca**
g

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : cas9 target site

ZK0267a: 1bp deletion

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

```
WT          CACCTCGAGAAACAAGCTAAAGAACATCCAGACCGGGATGATCTAGTTCCTACACTGGC
ZK0267a     CACCTCGAGAAACAAGCTAAAGAACATCCAGA-CGGGATGATCTAGTTCCTACACTGGC
*****
```

ZK0267b: 5bp deletion

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

```
WT          CACCTCGAGAAACAAGCTAAAGAACATCCAGACCGGGATGATCTAGTTCCTACACTGGC
ZK0267b     CACCTCGAGAAACAAGCTAAAGAACAT-----CCGGGATGATCTAGTTCCTACACTGGC
*****
```