

## ZK0350

Target Position: exon 3

Sense Strand Sequence

CTTCTCCAAAACAACACTTCA CAGTCAGgtgggacgcttctttattatatattttatgtgtgaaattactgctgc  
ttttattctttttattgtccacaacagtaaccattaacaatggctgtatgattcacagGAGAGCATGTGATGGCCGT  
TCTGACCATGAAAGCAGCCAATCTCTCAGTGTGGAACACTACAGTGTGTTTGCTTTTCTCAACAA  
CACTGATCTATACGCTAAAGCCCACGATGAGCAGACCCTCTTCTACTGCAATCTTCCACCAGAC  
AACAGCAAATGTCCAGgtctgagcatttcaagacaagaaaaccgagttttctcatcgaagcacaataagagttg  
g

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : cas9 target site

### ZK0350a: 11bp deletion

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

```
WT          TCAACAACACTGATCTATACGCTAAAGCCCACGATGAGCAGACCCTCTTCTACTGCAATC
ZK0350a     TCAACAACACTGATCTATACGCTAA-----AGCAGACCCTCTTCTACTGCAATC
*****
```

```
WT          TTCCACCAGACAACAGCAAA
ZK0350a     TTCCACCAGACAACAGCAAA
*****
```

### ZK0350b: 9bp deletion

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

```
WT          TCAACAACACTGATCTATACGCTAAAGCCCACGATGAGCAGACCCTCTTCTACTGCAATC
ZK0350b     TCAACAACACTGATCTATACGCTAAAGCC-----CAGACCCTCTTCTACTGCAATC
*****
```

```
WT          TTCCACCAGACAACAGCAAA
ZK0350b     TTCCACCAGACAACAGCAAA
*****
```