

## ZKO358

Target Position: exon 2

Sense Strand Sequence

ccgatgccttagtgttctaactaattcatgaaacatataagcaaactgccgccaacacattaattactcagaccattacc  
ctcccctgacaaccaaaactccagcttcagtaaacacacctggctcatttcttaaccttgaccttgattgacgcagG  
TGAGAAGAAGAGGTCACCTGGGGCGCGATTATCACCCGCTGTGTTTGAAGTGCCACAAGTGTA  
AAAGACAGTTAACCCGGTCAGCATGCAGAGgtatacacacactcatacacattgtgtaaacggttttta  
aataatattaagcacagtatacaaaagttttatcttttacgtctttatgcagcacgatgagaagccattctgcactaactgct  
tcatgagagatgttgggccaagaggtgagaatgaatg

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : cas9 target site

### ZKO358a: 2bp insertion

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

```
WT          GAAGAGGTCACCTGGGGCGCGATTATCACCCGC--TGTGTTTGAAGTGCCACAAGTGTA  
ZKO358a    GAAGAGGTCACCTGGGGCGCGATTATCACCCGCTTGTGTTTGAAGTGCCACAAGTGTA  
*****
```