

# ZK0981

Target Position: exon 3

Sense Strand Sequence

tatgttttcgcaataactcaacaacaaaatcaataactgcatatnttccagtatcgtgtgcagctttaaattgtgtgtgtttg  
ttttgtagAGTTGGTTGGCGCTCTGGACGCTCAGAAGATCTCCGGCGTGTATGTGGTCAGGCTC  
ACTCTCTGGCGGTGAACGAGCAGGGTCAGGTGTTTGCCTGGGGAGCTGGAGACGGAGGGC  
AGCTTGGTCTGGGAACAGCTGAAGAGGCGGTCCGCGTGCCTCGgtactttttaattattatgtctgaa  
aagcaactaagtactcaagtattttttttcaattttgattttcttcttaagatttttattaaatatttttaaaagtaatt  
taagaggcattaataatattataaattaagaagaataaagtcaaaatgaagtatttttctctaaaacaaggtaaat  
aatctgccattcggagtaag

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : cas9 target site

## ZK0981a: 4 insertion

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

```
WT          GCGTGGGAGCTGGAGACGGAGGGCAGCTTGGTCTGGGAACAGCT----GAAGAGGCGGT
ZK0981a     GCGTGGGAGCTGGAGACGGAGGGCAGCTTGGTCTGGGAACAGCTACAGGAAGAGGCGGT
            *****
            *****

WT          CCGCGTGCCTCGGTACTTTTTTA
ZK0981a     CCGCGTGCCTCGGTACTTTTTTA
            *****
```