

ZK0987

Target Position: exon 4

Sense Strand Sequence

tctggacagATCCAGCCGTATGAGAAGATCAAGCTGAAGGGTCTTCCAGCTGATGTGGCGTCCA
GCCTTAATAAACTAGCCGTGTTGAAGCTCAATGGAGGTTGGGGACCAGCATGGGCTGCAA
GGGCCAAAAGTCTCATCAGTGCCGAAATGAAAACACTTTCCTGGACCTGACCGTCCAGCA
GATCGAGgtatttacttactgctgtttcctcacattacagtacaaccttgaagtagatttgatttcttaatgcactcgac
aaataatttaaaccttactgaggtttaaacataggtgggg

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : cas9 target site

ZK0987a: 14bp insertion

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

```
WT          TCAGTGTCGAAATGAAAACACTTCTGGA-----CCTGACCGTCCAGCA
ZK0987a     TCAGTGTCGAAATGAAAACACTTCTGGAGTGCGGGGATCGTCCTGACCGTCCAGCA
            *****
            *****

WT          GATCGAGgtatttacttc
ZK0987a     GATCGAGgtatttacttc
            *****
```