

## ZK0837

Target position:exon2

Sense Strand Sequence

agtatgcatgctagtaagacagtgtgacgtgacgctctctctctctctctccatcagGCGCGCTCTCGCTCT  
GGCTGGTTGTCTGGCTGGTCGTGGTAAAGCCGGTGCCTGCGCAGAACTGCCCGCACCGGTGT  
GTGTGTTATCCGACCCCAATGACGGTGAGCTGCCAGGCGCAGAACTTTACCATTGTACCCAC  
GGCATGCCCTACGAATCCCAGCGGTTTTTCTGCAGAACCAACCGCATTACTGAACTGAGAGTG  
GG

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : cas9 target site

### ZK0837a: 5bp deletion

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

```
WT          GGTGAGCTGCCAGGCGCAGAACTGCCCGCACCGGTGTGTGTTATCCGACCCCAATG
ZK0837a     GGTGAGCTGCCAGGCGCAGAACTGC-----CCGGTGTGTGTGTTATCCGACCCCAATG
*****  
*****
```