

## ZK061

Target Position: exon 2

Sense Strand Sequence

gatgctgctggattcatcatttaatgtgtttgatttattattaatcaaactctgcatatattgcatttatttaagcagatttggtat  
aggatctgttttatatgtgtttatgtccggcagACAGGGAAAGATGACTATAAA GTGGCGGCGACTTCA  
GAAGATGGAGTCAAAACGCCTAAAAAAGGGAAAAAGAACA AAAAGGACATGGACGAACTG  
AAGAAAGAAGTGGAAAT Ggtatgaaagtattcgtgaa

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : cas9 target site

### ZK061a: 8bp deletion

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

```
WT          ACAGGGAAAGATGACTATAAAGTGGCGGCGACTTCAGAAGATGGAGTCAAAACGCCTAAA
ZK061a      ACAGGGAAAGATGACTATAAAGTGGCGGCGACT-----TGGAGTCAAAACGCCTAAA
*****
WT          AAAGGGAAAAAGAACA AAAAGGACATGG
ZK061a      AAAGGGAAAAAGAACA AAAAGGACATGG
*****
```