

## ZK0641

Target Position: exon 10

Sense Strand Sequence

**gctaagatgtaacaaatctg**ttgagttttaattgaggtggttttccagcttatctgcctcatcttttgccatAGTGAAAG  
TGGGCATGGCTTATGCCATGACCTCCCTCCTGCCTCTGCCTTCTCT**CCAATGGGCAAGCAGTTAC**  
**C**AGAGTGACAGTGACTCTGACTCAGACCGGCCTGAAGCAGACCCTGAGCAGGACGACCTAG  
CAAGTCGCAGATTCGCTCCGTAACCTCTGCGGCTCCAGTGA**ACTTTGCAATCCCTTCAAAG**

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

**atcg** : Forward/Reverse primer(anti-sense)

**atcg** : cas9 target site(anti-sense)

### ZK0641a: 4bp deletion

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

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WT          GGCTTATGCCATGACCTCCCTCCTGCCTCTGCCTTCTCCAATGGGCAAGCAGTTACCAG
ZK0641a     GGCTTATGCCATGACCTCCCTCCTGCCTCTGCCTTCTCCA-----GCAAGCAGTTACCAG
            *****

WT          AGTGACAGTGACTCTGACTC
ZK0641a     AGTGACAGTGACTCTGACTC
            *****
```