

## ZK0880

Target Position: exon 1

Sense Strand Sequence

ATGGGAACAATCGGAGAGCGGCTTCCGGTGTGTTGCCCTCCTACTGAATATCAACAATGG  
CAGCCGAAGGAGATTTTCTGATGCGCTACCGGGCGGTGTCAAATAAACTGAAAAgtaagagc  
tggaaagcttctcatacaaactaagttatgttttaacgtgtcttttgtagataatcgacgttgaattttatagcgtgcc  
taaaccacagaacgtcatgtcaaggctagcaacacacaacc

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : cas9 target site

### ZK0880a: 1bp deletion

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

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WT          C T A C T G A A T A T C A A C A A T G G C A G C C G A A G G A G A T T T T C T G A T G C G C T A C C G G G C G G T G T C
ZK0880a     C T A C T G A A T A T C A A C A A T G G C A G C C G A A G G A G A T T T T C T G A T G C G C T A - C G G G C G G T G T C
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WT          A A A T A A A C T G A A A A A g t a a g a g c t g g
ZK0880a     A A A T A A A C T G A A A A A g t a a g a g c t g g
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