

## ZK0853

Target position: exon 5

Sense Strand Sequence

AAgtacacttctgttcttacttaatgacaatataataaactggacaaaatgatacactaatattatctataatttctgaa  
ctatttcattgacagGCATTGAGCAGAATTTGGCAGCTAACACCGAGGAGAGGGTTTCAGCTGATA  
TGCGGATAAAAAAATCTCAGgtaaccaatcacctcccactagctaataaggagttttacttttactcatcaggtg  
tttgcttctacatttagCATGCCATTCTTGCGAAGAAGTTTGTAGAGGTGATGACCAATACAATGA  
AGCCCAAGTGGAGTTTAGAGAGAAGAGCAAAGGACGCATTCAAAGACA

Uppercase:Exon/coding sequence

Lowercase:intron/noncoding sequence

atcg:Forward/Reverse primer

atcg:cas9 target site

### ZK0853a:5bp deletion

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

```
WT          GCATTGAGCAGAATTTGGCAGCTAACACCGAGGAGAGGGTTTCAGCTGATATGCGGATAA
ZK0853a     GCATTGAGCAGAATTTGGCAGCTAACACC-----GAGGGTTTCAGCTGATATGCGGATAA
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```