

ZK0835

Target position: exon3

Sense Strand Sequence

agcagaggattgtgtaggagagagatttcagattcaactttctcaaattagagaatgaaaccgtggcatgtgcacgtgc
acgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgttttcagGTGACCGTGTTCGAGCAGGAGCATTCCAAGGCAAGT
GTCAGGAGCTCACCTCTGAGTGCCGCAACATCCAGGAGCGTGCGTTTGACAACATCCGCTCT
ATCCGTGTGGAGAGCGCGCgtgagtcgccactctgtgtaatgattgcaaatcttgacagtttagtacggaaa
ttacactttcagatgttttgaacgcttttaagtgtttcagcttgagacgattgttaaatgttttgaggagtaataaatta
tgaccgagctgctataatgcaaa

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg: Forward/Reverse primer

atcg: cas9 target site

ZK0835a: 1bp deletion, 12bp insertion

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

```
WT          tgtgtgtgttttcagGTGACCGTGT-----TCGAGCAGGAGCATTCCAAGGCA
ZK0835a     tgtgtgtgttttcagGTGACCGTGTGTCAGGTGACCGTCCGAGCAGGAGCATTCCAAGGCA
*****
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