

ZK0925

Target Position: Exon 1

Sense Strand Sequence

ggcatagagtctgacatggatagtcaggtttaagtgctaaaacggcttgccatacggctactggaaggggaaatagaccaaatacatgt
gccgcgacctcaaaaggctgcaaaATGGCTGTTTTGCCCTCTGTTTTCGGTAGTGATGCTCTTTACTGTTGTACCA
GCCTGGACCGgtgagttttctgtattttgactcaaaattagctactcttaggtggcctatttaggataattctaaatacttaagaaaa
attaatccacgtcattgtttctcaagttgcttattactctatagcctactatttcatcgctaaaattggtataaaatggcttaagggttata
tg cctgtttatgggtgtgtctgg

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : cas9 target site

ZK0925a: 5bp deletion

CLUSTAL format alignment by MAFFT L-INS-i (v6.850b)

```
WT          TCGGTAGTGATGCTCTTTACTGTTGTACCAGCCTGGACCGgtgagttttctgtattttg
ZK0925a     TCGGTAGTGATGCTCTTTACTGTTGTACCAGC-----CCGgtgagttttctgtattttg
*****
```

```
WT          actcaaaattagctactctt
ZK0925a     actcaaaattagctactctt
*****
```

ZK0925b: 1bp insertion

CLUSTAL format alignment by MAFFT L-INS-i (v6.850b)

```
WT          TCGGTAGTGATGCTCTTTACTGTTGTACCAGCC-TGGACCGgtgagttttctgtatttt
ZK0925b     TCGGTAGTGATGCTCTTTACTGTTGTACCAGCCTTGGACCGgtgagttttctgtatttt
*****
```

```
WT          gactcaaaattagctactctt
ZK0925b     gactcaaaattagctactctt
*****
```