

ZK0775

Target Position: exon 1

Sense Strand Sequence

aacgccgatgattccagtagcgcttcctggatagcgctgcagatgctctacgaaacggtttatttaggtttcataactaat
ttgcttctgttgccacaattaaATGCAGCTTCTAATTTGGTTTCGTTGTTTCGCTGTCGGTGCAATGGC
GGGAAAGTACTCAAAGAAATGAATGAAAAAATGCGTCTGATAAAGCAACAGCCAGGTG
GAATTTAGGATTGCCAACTAAATCAGGTTTGGGAAAAGGCGATAAGGgtaagagattgacagatt
cactgctgattaatctgtctattacaagtagttaacagaaaatggttttagatagttgtcagttgtaaagattgtaaattat
aattgtgtttatatcttaacttactcgagttaacgtgaagcaagttagggtatct

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : cas9 target site

ZK0775a: 8bp deletion

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

```
WT          TTGCCAACTAAATCAGGTTTGGGAAAAGGCGATAAGGGTAAGAGATTTGACAGATTCAC
ZK0775a     TTGCCAACTAAATCAGGTTTGGGAA-----AAGGGTAAGAGATTTGACAGATTCAC
*****
```

```
WT          TGCTGATT
ZK0775a     TGCTGATT
*****
```

ZK0775b: 5bp deletion, 4bp insertion

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

```
WT          GATTGCCAACTAAATCAGGTTTGGGAAAAGGCGATAAGGGTAAGAGATTTGACAGATTC
ZK0775b     GATTGCCAACTAAATCAGGTTTGGGAAA-TCTCTAAGGGTAAGAGATTTGACAGATTC
***** * .*****
```

```
WT          ACTGC
ZK0775b     ACTGC
*****
```