

ZK0599

Target Position: exon 8

Sense Strand Sequence

```
ttcaggcttaaacctgttcataaaaaattaagtgttgctagtcttcactaaagcggggtgtcaaactcaaacttagttcct
ggagggccgaagccctgcacagtttagttccaaccctgtccaacacacttacctgtaggtttcaacaagcctgaaggac
tcaattagttgatcaggtgtgttaattaggggttgaactaaactgtgcagaactgcggccctccaggaactgagtttgac
acctgtgttctaaactctgcttctatttgcagCACATCAATAATGAGCACATCCACGGAGAGAAGAAAGG
AGTTCGTTTGCCACTGGAAGGACTGTTCCCGAGAGCAGCGTCCGTTTAAAGCGCAGTACATG
CTGGTGGTGCACATGCGCAGACACACCGGAGAAAAACCAACAAGTGCAC
```

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : cas9 target site

ZK0599a: 14bp deletion, 2bp insertion

CLUSTAL format alignment by MAFFT G-INS-i (v7.215)

```
WT          AATGAGCACATCCACGGAGAGAAGAAGGAGTTCGTTTGCCACTGGAAGGACTGTTCCCGA
ZK0599a     AATGAGCACATCCACGGAGAGAAGAAGGAG-----AAGAAGGACTGTTCCCGA
*****
WT          GAGCAGCGTCCGTT
ZK0599a     GAGCAGCGTCCGTT
*****
```