

ZK0480

Target Position: exon 3

Sense Strand Sequence

agtggctgatttctatttcgctctatcattaatctttctaataatgtgaaaactgcattgactgaatatgtctttaagagccagt
tacagtaccgtcacagaggtgtcctatcgatcacgctgttgttgttgttgttttaaatgctgcagGTGTCTGCAAAA
CTACATTCTTCCCA**CAGTCTGACTCTGTCTTGCC**CGGTGTGCCGTCAGACCTCCATCCTACCG
GAGAAAGGTGTGGCGGCACTTCAGAGTAACTTCTTCATCACCAACCTAATGGAGGTGCTAAA
GAAGAGCCCAAACCTCAAACCTGAGTGAGGACTACTGT**ATGCTATCAACGGAGTGG**

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : cas9 target site

ZK0480a: 39bp deletion, 4bp insertion

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

```
WT          CAAAACTACATTCTTCCACAGTCTGACTCTGTCTTGCCCGGTGTGCCGTCAGACCTCC
ZK0480a     CAAAACTACATTCTTCCC-----ACCTCC
            ***** **
```

```
WT          ATCCTACCGGAGAAA
ZK0480a     ATCCTACCGGAGAAA
            *****
```

ZK0480b: 10bp deletion

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

```
WT          CAAAACTACATTCTTCCCACTGACTCTGTCTTGCCCGGTGTGCCGTCAGACCTCC
ZK0480b     CAAAACTACATTCTTCCCA-----CTGTCTTGCCCGGTGTGCCGTCAGACCTCC
            ***** **
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