

ZK0207

Target Position: exon 1

Sense Strand Sequence

gcatgcttattgtttatgttcttttttactctATGAAAACAACCTCTGATAAGGTCAGTTTCAAACCTGAAAGTAAATTCA
GTCAGTGCGGTTTGAGAAATCTAGAACAACACCATCTCACTCTCTTAGACTGCCCTGAAGgtaagacttgtctcct
aaataacaattcaatgtaataaagagataaatgtagagctaatatgtctacagtagtattacctgtaggtctaccggttctcaacact
gtgtagattaaatgaa

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : cas9 target site

ZK0207a: 14 deletion

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

```
WT          GCGGTTTGAGAAATCTAGAACAACACCATCTCACTCTCTTAGACTGCCTGAAGgtaaga
ZK0207a     GCGGTTTGAGAAATCTAGAACAACACCAT-----CTGCCTGAAGgtaaga
*****
```

```
WT          cttgtctcctaaataa
ZK0207a     cttgtctcctaaataa
*****
```

ZK0207b: 4 insertion

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

```
WT          GCGGTTTGAGAAATCTAGAACAACACCATCT----CACTCTCTTAGACTGCCTGAAGgt
ZK0207b     GCGGTTTGAGAAATCTAGAACAACACCATCTTAGACACTCTTAGACTGCCTGAAGgt
*****
```

```
WT          aagacttgtctcctaaataa
ZK0207b     aagacttgtctcctaaataa
*****
```