

ZKO248

Target Position: exon 1

Sense Strand Sequence

```
CCAGTCGCCATTGTAACCAGGCGTGATGAAGTCGCTCTGATTGACGGTCTGGCCATCGTGTTA
CCCGTCTGTGGAGAAGTTTGGCCTCAGCCACGTTTTCGTCAGGTGTACAACGTCTTGCTCTTC
AGCGCCCTCTACTGCCTGCCTGTTACGTTTAATCTCACTTTAGCCTTTTTGACATGTCGCCGACT
GCGCAGCTCTGCCACCGACGGTCGATTCACTGAAGTGGACCCTCGTTCTCAGGCTCTTCATGA
AACAAAGGCTTCAAGGGCGTAGACAGAT
```

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : cas9 target site

ZKO248a: 1bp insertion

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

```
WT          ATTGACGGTCTGGCCATCGTGTTACCCGTC-TGTGGAGAAGTTTGGCCTCAGCCACGTTT
ZKO248a     ATTGACGGTCTGGCCATCGTGTTACCCGCTTGTGGAGAAGTTTGGCCTCAGCCACGTTT
*****
```

ZKO248b: 4bp deletion

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

```
WT          ATTGACGGTCTGGCCATCGTGTTACCCGCTGTGGAGAAGTTTGGCCTCAGCCACGTTT
ZKO248b     ATTGACGGTCTGGCCATCGTGTTACCC----GTGGAGAAGTTTGGCCTCAGCCACGTTT
*****
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