

## ZKO762

Target Position: exon 5

### Sense Strand Sequence

tgtgtggaaccaagcattttacagtgtatcataggtcatggaattcagcttttggttcgtgaaagtctgtaatttgagt  
gggaaccttttcattgtctgtagGTAAATGGGAGGTTGAGCCCCTGAAGGAAAATACAGTGCCTGGT  
GATTAGGTTTGGTGCTGAAATCTCGTGCCAAGCATCATGCAATCTCGGCTCTGCTTAACAA  
ACCATTTGTGTTAAGGACAAACCTCTCATCGTCCAgtaagtgttttgtatttgttaatctgacatttg  
acataccttgatttcttaataaaaactgttaattctaacaaaaccaatctatatacagGTACGAGGTCAATTTT  
CAAGATGGAATTGACTGTGGCG

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : cas9 target site

### ZKO762a: 46bp deletion

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

```
WT          ATTTAGGTTTGGTGCTGAAATCTCGTGCCAAGCATCATGCAATCTCGGCTCTGCTTAACA
ZKO762a     ATTTAGGTTTGGTGCTGAAATCTCGTGCC-----
*****
```

```
WT          AACCATTTGTGTTAAGGACAAACCTCTCATCGTCCAgtaagtgt
ZKO762a     -----AGGACAAACCTCTCATCGTCCAgtaagtgt
*****
```

### ZKO762b: 47bp insertion

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

```
WT          cgtgaaagtctgtaatttgagtgggaaccttttcatt-----
ZKO762b     cgtgaaagtctgtaatttgagtgggaaccttttcatttctttatgattgatattttgctc
*****
```

```
WT          -----gtctgtagGTAAATGGGAGGTTGAGCCCCTGAAGG
ZKO762b     tgcataaaaagtaaatatTTTTTattgtctgtagGTAAATGGGAGGTTGAGCCCCTGAAGG
*****
```

```
WT          AAAATACAGTGCCT
ZKO762b     AAAATACAGTGCCT
*****
```