

## ZKO1155

Target Position: exon 2

### Sense Strand Sequence

tccttaattctgattggctgattgaaatggtgtccaggatcaacatagatgttcatccaggaacatgtcctacctgatga  
aattaggtgggatgaaaaatcccctttaaatcctataatggacattttatacatgaactttgatgttacacctatttctc  
ctgatttgaccaccagTTATCCACTGGTAAGGACCCTACATTCAGAGCTTTGAGCTGAACAAGG  
AGCTGTCAGAGCGAGGATCTTATCATCTACATTGATCGGgtaaaccacaatataaagagcaggt  
gattgccattgcttccactgagtctttcataattagactttctgctttaatgtgcctccagGTTTCTAATAAAGA  
GAAGGAAAGGCTTGCTTCAGGA

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : cas9 target site

### ZKO1155a: 7bp deletion

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

```
WT          ttacacctatttctcctgatttgaccaccagTTATCCACTGGTAAGGACCGCTACATTC
ZKO1155a    ttacacctatttctcctgatttgacc-----ATCCACTGGTAAGGACCGCTACATTC
*****
WT          GAGCTTTGAGCTGAACAAGG
ZKO1155a    GAGCTTTGAGCTGAACAAGG
*****
```

### ZKO1155b: 1bp deletion, 8bp insertion

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

```
WT          ttacacctatttctcctgatttgaccaccagTT-----ATCCACTGGTAAGGACCGCT
ZKO1155b    ttacacctatttctcctgatttgaccaccagTTGACCACCTCCACTGGTAAGGACCGCT
*****
WT          ACATTCAGAGCTTTGAGCTGAACAAGG
ZKO1155b    ACATTCAGAGCTTTGAGCTGAACAAGG
*****
```