

ZKO1087

Target Position: exon 7

Sense Strand Sequence

actctgagGCTGTCCTATCCGTGGCCTCCTCCGTCTCCCCTGCCTCGTTCTCATGGGACTTCGGTG
ACCTTTCACCCCGGGTCAACACCTCCACGCCAACACCACAGCCAGGCACAAGTACGGCGTC
CCGGGGCGCTACCAGGCTCATGTGAGCCTCTCTGCGGGTACCAGGAGATCATGGCTCAGGG
GAGTGTAAGCGTGGAAGTGCCTCCCCGATTGGAGCTGCACTGCCCCGACCTTATCGTGGCCA
ATCAGAGCCTGGAGGCGGAGCTTCTCTGGTCAACTGGGGTGGAGTGGGCGTGACCGTGGA
CTGGAGGATCAGTAAGGATGGCAGAGAGGT

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : cas9 target site

ZKO1087a: 14bp deletion

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

```
WT          TCGGTGACCTTTCACCCCGGGTCAACACCTCCACGCCAACACCACAGCCAGGCACAAGT
1087a       TCGGTGACCTTTCACCCCGGGTCAACACCTC-----CAGCCAGGCACAAGT
*****
```

```
WT          ACGGCGTCCCGGGGCGCTAC
1087a       ACGGCGTCCCGGGGCGCTAC
*****
```

ZKO1087b: 1bp deletion

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

```
WT          TCGGTGACCTTTCACCCCGGGTCAACACCTCCACGCCAACACCACAGCCAGGCACAAGT
ZKO1087b    TCGGTGACCTTTCACCCCGGGTCAACACCTCCA-GCCCAACACCACAGCCAGGCACAAGT
*****
```

```
WT          ACGGCGTCCCGGGGCGCTAC
ZKO1087b    ACGGCGTCCCGGGGCGCTAC
*****
```