

ZKO1071

Target Position: exon 7

Sense Strand Sequence

tggtaggagtctgattatctataatatacactgaaggactaaaacacactcctgatattgtttatttgactgaactatct
agttgttgattaaagtaatcatgatgtgtgtgtttgtgtgtgtgaacagTTTACAAGCAGTTTGATGATGAT
GAGATCGGAGCGCTGGATAATGCAGAGCTGGAGGGATACATTGAGCCGGACAGTGCTCGGC
TGGAGGAGGTCATCAAAGACTACTTCATACAGAAAGAGAAAGAgtagtgtgtgttagtgtgtgtac
ttgtattcatcaaaatgtccccacaagtatgcatcacatggattgg

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : cas9 target site

ZKO1071a: 14bp deletion

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

```
WT          AGAGCTGGAGGGATACATTGAGCCGACAGTGCTCGGCTGGAGGAGGTCATCAAAGACTA
ZKO1071a    AGAGCTGGAGGGATACATTGAGCCGACA-----GAGGTCATCAAAGACTA
            *****
            *****

WT          CTCATACAGAAAG
ZKO1071a    CTCATACAGAAAG
            *****
```

ZKO1071b: 9bp deletion, 2bp insertion

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

```
WT          AGCTGGAGGGATACATTGAGCCGACAGTGCTCGGCTGGAGGAGGTCATCAAAGACTACT
ZKO1071b    AGCTGGAGGGATACATTGAGCCGACAGTG-----ACAGGAGGTCATCAAAGACTACT
            ***** . *****

WT          TCATACAGA
ZKO1071b    TCATACAGA
            *****
```