

## ZK0722

Target Position: exon 7

Sense Strand Sequence

acaccattgctatcaaccgaactgattttatcaaattaaatcgattagaaaatctcagtggtttttgtcggaaactacaattat  
taccacacctaatacgttttaccagctagcataagtcttcatttatagttctaatacaactctttccactttacttttagGCAA  
GTTACATGCATTGAGGTACGGTTTCACCTGGAAAGACAGATGGGCTACTACCTGATCCAGAT  
GTACATTCCCAGCCTGCTCATCGTCATCCTCTCCTGGGTCTCCTTCTGGATCAACATGGATGCG  
GCTCCTGCTCGTGTGGCGTTGGGAATCACTACAGTGCTCACAATGACAACGCAGAGCTCTGG  
TTCCAGAACATCCTTACCTAAGgtcagacaacaaaaagtattcaggcatgagcagagag

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : cas9 target site

### ZK0722a: 5bp deletion

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

```
WT          CTACCTGATCCAGATGTACATTCCCAGCCTGCTCATCGTCATCCTCTCCTGGGTCTCCTT
ZK0722a     CTACCTGATCCAGATGTACATTCCCAGCCTGCTCATCGTCA-----TCCTGGGTTTCCTT
*****.*****.*****

WT          CTGGATCAACATGGATGCGGCTCCTGC
ZK0722a     CTGGATTAACATGGATGCAGCTCCTGC
*****.*****.*****
```