

ZKO424

Target Position: exon 2

Sense Strand Sequence

tcagacagtttggtgtaggcctgttcaactgataatcagcatgtagctttaggtatgctataccttatcaccacattccacctgaggctgtatgtcatttttaggtttttttcttttctatctaaatggttctgaaattgtccaccatctctttctagCTCCTGAGGAGTTTGTCTCATTGGCTGAAATGGAGGACACTTTATTGAGGAATCTTTTTCGGGGATATCAGAAGTGGGTGAGACCTGTCCTCACGCCAACGACACGATTACTGTTTCGCTTCGGTCTGAAGATCTCACAGTTGGTGGATGTGgtaagacacacacacacacatcatgcaagtatgcaatgtagcatatgtggcaggttgcatagacataggccttactggttaaacaagtgcatttactgtacacaacagtttcttttcagattgaagttggactgaattcaaaaattatgagtggttgatggggaa

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : cas9 target site

ZKO424a: 5bp deletion

CLUSTAL format alignment by MAFFT G-INS-i (v6.850b)

```
WT          CCTGTCCTTCACGCCAACGACACGATTACTGTTTCGCTTCGGTCTGAAGATCTCACAGTTG
ZKO424a     CCTGTCCTTCACGCCAACGACACGATTACTG-----TTCGGTCTGAAGATCTCACAGTTG
*****
```

```
WT          GTGGA
ZKO424a     GTGGA
*****
```

ZKO424b: 5bp deletion

CLUSTAL format alignment by MAFFT G-INS-i (v6.850b)

```
WT          CTGTCCTTCACGCCAACGACACGATTACTGTTTCGCTTCGGTCTGAAGATCTCACAGTTGG
ZKO424b     CTGTCCTTCACGCCAACGACACGATTACT-----CTTCGGTCTGAAGATCTCACAGTTGG
*****
```

```
WT          TGGAT
ZKO424b     TGGAT
*****
```