

ZK0733

Target Position: exon 4

Sense Strand Sequence

acctctgcattgattcagtgtttcagaaatgcttcacgtccataaatcagtactgaccctatggaaataatgctgaacaattcatgcaaatttactaacctacatgttttctgctctgatgacaaaaatactttaactatttactgcttcgttgttttcacaaaatagttattttaaagcaataagcattgtctagtaaggctaaatcttgatttcactgtgttctactcagCATCAAGATGCCAGTGGACAGAATGCGAATGCGCCCTGGTTGGAGGAGCAGATTAACAGTGGACAAATAAAGGTCTTCACTGGGTGAATGAGgtgaggagagagatctgtacgacaacctatttccactactgaatgaaggaacagaaaaagtgattgttttgtaattaagactttttccctgtatttttaggttctcacatccttact

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : cas9 target site

ZK0733a: 8bp deletion

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

```
WT          ATCAAGATGCCAGTGGACAGAATGCGAATGCGCCCTGGTTGGAGGAGCAGATTAACAGT
ZK0733a     ATCAAGATGCCAGTGGACAGAATGCGAA-----TGGTTGGAGGAGCAGATTAACAGT
*****
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```
WT          GGACAAAT
ZK0733a     GGACAAAT
*****
```

ZK0733b: 3bp deletion

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

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WT          TCAAGATGCCAGTGGACAGAATGCGAATGCGCCCTGGTTGGAGGAGCAGATTAACAGTG
ZK0733b     TCAAGATGCCAGTGGACAGAATGCGAATG---CCCTGGTTGGAGGAGCAGATTAACAGTG
*****
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