ZKO176

Target Position: exon 2

Sense Strand Sequence
attaagccatcactatcatcatcctagagatggatttggcgattttgcggaatatggcgcgcgcctgcgcgtcttgctgctgt
gcgcagaggaatgcgtccagattgagtttcagtgctgtaatctcttacacagtctcgtctcttttgcagGGGTTTCGGC
AAACAAGGCTTCCAGTGTCAAGgtaagactccccctccgtctcctggaaaatgtgtctgtacattttggtaatca
ctgccactgtttattcattcattcattcattcattcattcattcattcattcattcattcattcattcattcgtttgtttatttatttatt
taacttgcattactgttgtttttacctttgaacgcaagcagtgcacgtgccctttcagttcatttgcgtgtgtttgaggaagaa
acacagagaagctttatgtgtttttctagtgcagga

Uppercase: Exon/coding sequence
Lowercase: intron/noncoding sequence
atcg : Forward/Reverse primer
atcg : cas9 target site

ZKO176a: 5bp deletion, 4bp insertion

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

WT              TTTTGCAGGGGTTTCGGCAAACAAGGCTTCCAGTGTCAAGGTAAGACTCCCCCCTCCGTC
ZKO176a         TTTTGCAGGGGTTTCGGCAAACAAGGCTTCAAGT-TCAAGGTAAGACTCCCCCCTCCGTC
                ****************************** *** *************************
```

ZKO176b: 7bp deletion

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

WT              TTTTGCAGGGGTTTCGGCAAACAAGGCTTCCAGTGTCAAGGTAAGACTCCCCCCTCCGTC
ZKO176b         TTTTGCAGGGGTTTCGGCAAACAAGGCT-------TCAAGGTAAGACTCCCCCCTCCGTC
                ****************************       *************************
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