ZKO236

Target Position: exon 5

Sense Strand Sequence
CCAACTACAAGATATGGGCAACAAAATGACATGAGGGAGCAGAATCGAGTTTTGATTTCAGC
AAATGAAGACCTGCACAAGCAGCTTGAAGAAATGAAGgtgatcattttaaccaatttttcagtgatttgct
ccaattaattcatttataatatttttgcaatgctaaaaaagattatttaaactatgcacatatactttttaattctccaaaccatgt
ttttgaagGACACTGTGACAGAGCTGGAGCAAAGATGCACAGACCTCCAAGGAGAAAATCGAG
AAATTCAAAAACAGCTGCGGGACTGTCACATCCTCCTAGTAGCAGAAAAGCTTGACCCAGgtg
aactatttaaacctctgttggactgacacaacacaaaaaacacctgtagtttctgctgagttgcaatctaacaatctcaaat
ttagTTTCAGGGGAAAAGTTGGGCCAGACCGCAGAAGACAAGGAAA

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

ZKO236a: 11bp deletion
```
CLUSTAL format alignment by MAFFT FFT-NS-i (v7.215)


WT           AAAAACAGCTGCGGGACTGTCACATCCTCCTAGTAGCAGAAAAGCTTGACCCAGGTGAAC
ZKO236a      AAAAACAGCTGCGGGACTGTCACATCCTCCT-----------AGCTTGACCCAGGTGAAC
             *******************************        ******************

WT           TATTTAAACCTCTG
ZKO236a      TATTTAAACCTCTG
             **************
```

ZKO236b: 3bp deletion, 79bp insertion
```
CLUSTAL format alignment by MAFFT FFT-NS-i (v7.215)

WT           AAAAACAGCTGCGGGACTGTCACATCCTCCT-----------------------------
ZKO236b      AAAAACAGCTGCGGGACTGTCACATCCTCCTAAAAAAAAGAAAAAAAGCTTGAAAAAAAG
             *******************************

WT           --------------------------------------------------AGTAGCAGAAAAG
ZKO236b      CAGAAAAAAAGCAGAAAAAAAGCAGAAAAAAAGCAGAAAGCTTGAAAAAAAGCAGAAAAG
                                                             *. *********

WT           CTTGACCCAGGTGAACTATTTAAACCTCTG
ZKO236b      CTTGACCCAGGTGAACTATTTAAACCTCTG
             ******************************
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