ZKO618

Target Position: exon2

Sense Strand Sequence
cctcggtgactctgttgcttaatgcaaaagcattcaaatttgtaaaggaaatggaattcttatgtttttgtttatgacaatgag
tgagaatttacaggctgttctttctttcccacagGGAAACTACAAAAGGAGGAATTGAAAGGAGGGAGTA
GTTGCACCAGAGCACAGCTCAGGGGGGAAAGAGCTGCATTTTGTTTTCTCGTCTAAAGCATA
GAAGTCCAGAACAACAAGAATATAAGAGATACAGAATCGCCCTCATGGCATGGGGGAATGCC
ATGATCGTTGATCAGATTGGAGGGTGTGCTGTCAATCATCTGTCCATTGCAGCCTGAAGTCTG
GGTTGTACCTTGGCTTTGGAGGAGTGGAGGACTTTGAATTCAAGCAACTCTGCCAACCGCAG
CTGGACCATGTCACGGCTCAGAGGAACCCCATGGATACCACTTACCATGGTTCATCCGCTGGC
TACTCTACG

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

ZKO618a: 5bp deletion

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

WT              attcaagcaactctgccaaccgcagctggaccATGTCACGGCTCAGAGGAACCCCATGGA
ZKO618a         attcaagcaactctgccaaccgcagctggacc-----ACGGCTCAGAGGAACCCCATGGA
                ********************************     ************************

WT              TACCACTTAC
ZKO618a         TACCACTTAC
                **********
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ZKO618b: 1bp deletion,3bp insertion

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

WT              attca-agcaactctgccaaccgcagctggaccATG--TCACGGCTCAGAGGAACCCCAT
ZKO618b         attcagagcaactctgccaaccgcagctggaccATGGACCACGGCTCAGAGGAACCCCAT
                ***** ******************************  .**********************

WT              GGATACCACTTAC
ZKO618b         GGATACCACTTAC
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