ZKO55

Target Position: exon 2

Sense Strand Sequence

GCACTAATGAAGCAACTGAGGAGCAAAACACTGACGACATTTCCTGACGGAGATGGAAAAA
CTGTAGCGACGCGAGCATTAGATGAAATAATCACAGCAACAAGCAGCCCAAATAACAGAGAC
AAGAGCTTAAACACAGGAATCAGTAATCTATTAAATACACTGACAATGCTCTCCGATGGACAC
GAGGAGACCGAAGGCCATGATGAATCTCCCGAAAACAAAGAACTGATGGAGATTACAGAAA
AATCTGATCCTGGTCCTCCAGAAGAGCTGCTGAAGATGCTGAGTGCACTTGAAGAGCTGCAC
AAGTTCATCAACAGCCACCGGATCACCATCATTACCAGAGgtgtgctgaactgtactgtaacacctcaca
ataagctcgtattagttaatgcatttactaatatgaacaaacaatgaacgatacattaattattgcatttattcatgctttaatt
cattcacggtgcattagctc

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

ZKO55a: 72bp deletion, 14 bp insertion

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

WT              ACTTGAAGAGCTGCACAAGTTCATCAACAGCCACCGGATCACCATCATTACCAGAGgtgt
ZKO55A          ACTTGAAGAGCTGCACAAGTTCATGAACAGCCACC-------------------------
                ************************ **********

WT              gctgaactgtactgtaacacctcacaataagctcgtattagttaatgcatttactaa
ZKO55A          ---------ttttttacatt------------------------tacatttactaa
                         * .* * ***..                       *.**********
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ZKO55b: 8bp deletion

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

WT              ACTTGAAGAGCTGCACAAGTTCATCAACAGCCACCGGATCACCATCATTACCAGAGgtgt
ZKO55b          ACTTGAAGAGCTGCACAAGTTCATCAACAGC--------CACCATCATTACCAGAGgtgt
                ********************************        *********************
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