ZKO1175

Target Position: exon 1

Sense Strand Sequence

TTCTGCTGGGTAAAACCGGATCAGGAAAAAGTTCAGCCGGAAACACCATCCTGGG
CCAGAAGAAGTTCAAGAGTAAGGCTTCAGTGGTGTCAGTCACTAAAACCTGTGAG
AGAGGAGAAGCAGAGATTAATGGAAAGAAGATCTCCGTCATCGACACCCCCGGAC
TGTTGGATTCAACACTGACAGAACCAGAAATGAAGGAGGAAATAACGAAGTGTGT
AGAGATGTCTGCTCCTGGTCCTCACGTGTTTCTGCTGGTCATCAGACTGGATGTGA
AATTCACAGAAGAAGAGAAAAACACAGTGAAATGGATTCAGGAGAACTTTGGAG
AAGAAGCTGCTCGATACACCGTCATTCTGTTCACTCATGCTGATGCACTGGAGGAT
CAGCTACTATATGGGTATATCAGTCAAAGTGGTGATCTCTGGGATCTTCTTTATGAG
TGTGGAGCCAGATATCACTCATTCAACAATAAAGACATGAATGATCGCTCACAGGT
CGCTGAACTGATGGAGAAGATTGAGAAGATGCTGGTGGAGAATGGAGGACAGCA
CTACACTAATGAGATGTATGAAGAAGCCCAGGAGAAAATTGAATTGGATGCTGCTA
GTCAGAAAACTAGACACTATGCGAGAATAGCA

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : cas9 target site

ZKO1175b: 4bp deletion, 12bp insertion

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

WT          CGTCATTCTGTTCACTCATGCTGATGCACTGGAGGATCAGCTA--------CTATATGGG
ZKO1175b    CATCATTCTGTTCACTCATGCTGATGCACTGGAGGATCAGTTATATTGTTGTTATATGGG
            *.**************************************.**        .********

WT          TATATCAGTCAAAGTGGTGATCTCTGG
ZKO1175b    TATATCAGTCAAAGTGGTGATCTCTGG
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