

ZKO1061

Target Position: exon 8

Sense Strand Sequence

cctgagagacagcccaacagaaccacaactcatcacctgggagcttacgtctcttctgcacgcctcatttaagaatct
catcataagcgggccacaggtgaatccactgaggaaaaccacatggctctgagatcacaacattccacagaatgtgtta
acagctgcctagcaatacctcttgccaataccagaacaatcccagagcaatcgctctggaaaaaaaaaactaatctaca
ctaagtacacaattgcaaaggtgcttcatgtgcaggtaccagcacatctcgtcttgcaactgcatgctaactcataata
catcttagcactctaacaacaatttaagtctaaggtgagttcactgcacaatttagctttaggtttgtaaaatcatt
gacaaatagtcgtgtgtgaaaacaactgtaattcgacaactttggaaaacttagcttttttgatacacttacctacct
ccttctttttatttagGATGGGTTCTCTAAGGGTCACTTATTATGCATAGCGGTATCTTTGTTATCAA
CAGTCAAGGACTTATCACTCGGGAGAGATGCCACCTTGGATAGAGAACTAATGACCATTA
CACGCTAGAGgtgcaaatctatcataactgtttacaaaatgcttaggatgttcaaatactcatattaataatgcttg
catttcagGTAGTTGCCGTAGACCAGCCTGTTGATGGTTAAGGTCCACAGCTCAGGTCATCATC
ACTGTCCTGGACATCAACAACAACAACCCACAATTCCTCCTCTGCCAGAGCCCATTGAGATTC
AGGAAGGCGAATATACGCAGTCATCACCTGGAGAGG

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : cas9 target site

ZKO1061a: 4bp deletion

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

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WT          GGATGGGTTCTCTAAGGGTCACTTATTATGCATAGCGGTTCTTTTTATTTAGGATGGG
ZKO1061a    GGATGGGTTCTCTAAGGGTCACTTATT----ATAGCGGTTCTTTTTATTTAGGATGGG
*****
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ZKO1061b: 1bp deletion, 25bp insertion

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

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WT          GGATGGGTTCTCTAAGGGTCACTTATTATGCA-----TAG
ZKO1061b    GGATGGGTTCTCTAAGGGTCACTTATTATGCGGTATTATTATTATGCGGTATTATTAG
*****
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WT          CGGTTTCTTTTTATTTAGGATGGG
ZKO1061b    CGGTTTCTTTTTATTTAGGATGGG
*****
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