

ZKO416

Target Position: exon 2

Sense Strand Sequence

tgatgcaagaagcacc^{aa}aatgggatacctagttttgacctataactaaacggttacggcctctaaataactcagatcatggt
tgttttccatttagGGCTCTCCTTGAGATGTTCTCAGGGTTTCAGGAACGGTACGACCATGAGGAC
GAGCTGTACAGGGATGAAGAAGACTCATCAGGTTTGTCTGATTCCGACAGCGAGTTGGAATT
CCGGCTTTATTCCCAGCTGCACTACAACGCAGAGTTCCAGGAAAACCATGAGGAATCAAGCA
AAGTCCAACCATTGGTCCCACAACTCAACTTCAGCCG^{GAAACCATGCCTCCTGCTCC}ACCTG
TAGATGTTATCGTGATTGACTCAGGGCCAGATTCTTTTACAGTGTCAGACAGCACAGAGGATG
ATGAGAGTGTGTGTGCTAATAAAGTTCAGTCATTA^{AAACATTG}TAAAAGGAAGTCACAGCCCA
GTCGTTCCGTTACCTTCTCCGCTCAGGTTCAAGCAGGAAGGAGCTCTCCAGATGAT^{GTTG}
^{TGGTGCTGGATTCT}

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

^{atcg} : Forward/Reverse primer

^{atcg} : cas9 target site

ZKO416a: 1bp deletion

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

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WT          TGGTCCCACAACTCAACTTCAGCCGAAACCATGCCTCCTGCTCCACCTGTAGATGTTA
ZKO416a     TGGTCCCACAACTCAACTTCAGCCGG-AACCATGCCTCCTGCTCCACCTGTAGATGTTA
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ZKO416b: 5bp insertion

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

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WT          TGGTCCCACAACTCAACTTCAGCCGGA-----AACCATGCCTCCTGCTCCACCTGTAGA
ZKO416b     TGGTCCCACAACTCAACTTCAGCCGGAACCTGCAACCATGCCTCCTGCTCCACCTGTAGA
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