

ZK0792

Target Position: exon 3

Sense Strand Sequence

gcttctttcaatgttccttccttcctatctccacagGTAAAACCACTTTGGAACCTTGAGCAACCTGGATC
CATGGGGCAAAT**GGGAACCCCGTCTACCACC**TGGCTGAGGACAATGGACTGCTGGAGCACA
CCACAGAGGAGGAAAGGAGTGTGGGCCGCATCAGCCTCTACGCCAAAATGGTGTGGCCCA
CTACCAGACCAATAATGGCAAGCGAATCCCGAAGGATCTGGTGGAAAGAGTTCAGTGACCTGT
ACAATGAGGTGATAGACGAGAGCTGCATGGCATGTTTTATAAAATATGTACATATGATAAGTCT
AGGACCTCCTCAGGATGCAAAGCATTTCAAAATGTGATGTGGTCACTTAAGTATTCGGCCGG
CTCTATATTTGGTTCATTGACATTATAAGCAGAGTTTAAAGTCGGAGGATGCAGGGTTCAACGT
TAATGATTTTTTATACGGGTCCGATCGGGCCATTGCTTAAGATTTTTACTTGCCTGTCAA**ATT**
TTCACTAGCCCCACCAA

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : cas9 target site

ZK0792a: 1bp insertion

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

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WT          TCCATGGGGCAAATGGGAACCCCGTCTA-CCACCTGGCTGAGGACAATGGACTGCTGGAG
ZK0792a     TCCATGGGGCAAATGGGAACCCCGTCTACCCACCTGGCTGAGGACAATGGACTGCTGGAG
*****
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ZK0792b: 4bp deletion

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

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WT          TCCATGGGGCAAATGGGAACCCCGTCTACCACCTGGCTGAGGACAATGGACTGCTGGAGC
ZK0792b     TCCATGGGGCAAATGGGAACCCCGTCTA----CTGGCTGAGGACAATGGACTGCTGGAGC
*****
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