

ZKO828

Target Position: exon 1

Sense Strand Sequence

ttctacattcctacacaagtggatagttttagaagtgaccctaataaagaggATGATGGCATACAAAGGATCATC
GGGGAA GGTGTAAGATACAACTGACTCTGGCAACTGGACTTCTAGAGTGTTTGTGCTTCG
CTGGGGTTCGTGTTTGGTTGGGCGTCTCTTGTGTTTGTCTCAAGACAGATGGTTACTTCGGCG
ACCTGTGCAGCAACGCGACAGATGCTGGTGGAGAATTACGCTCAGgtgaggtctttaaatacattga
tggttcacttccttaatgccttaattttgtctgcttttctcttagACTGCGGTCTGCAAGATGAGCATTCTCAT
TGGTCTTACCCTGGCCTCCTTCATGAACAACCTTCTCACT CTGCCCAATGGTTTCCTCTA

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : cas9 target site

ZKO828a: 4bp deletion

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

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WT          ATCATCGGGGAAGGTTGTAAGATACAACTGACTCTGGCAACTGGACTTCTAGAGTGTTT
ZKO828a     ATCATCGGGGAAGGTTGTAAGATACAA-----ACTCTGGCAACTGGACTTCTAGAGTGTTT
*****
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ZKO828b: 1bp deletion

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

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WT          TCATCGGGGAAGGTTGTAAGATACAACTGACTCTGGCAACTGGACTTCTAGAGTGTTTG
ZKO828b     TCATCGGGGAAGGTTGTAAGATACAACTG-CTCTGGCAACTGGACTTCTAGAGTGTTTG
*****
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