

ZKO414

Target Position: exon2

Sense Strand Sequence:

atctgttcagatcctttgtgcagaagtcttcattgtataattgcttatggcctgttatctctatcttacagGTGACTGCAG
TTTTCTGAGCTCTTGTTCTGCTGGACTCTGAAGATCAAATCACATAGCATGAGAGAGATTTAG
TCATACTCCAGTGTTTTGAGACAAGGATGACTGGCGGAAAGTGGCAGGACAGGGTGAAATCT
GTGGAGCAGAGGGCATCATCCTTTAGTCTTCTCCTTTGTCCTGTCCATACAAACCACGTCTCT
CCCAGCCGTGGCAGCCATCCTCTATCTGGAGACTCTCCCACGCCAGAATGCAGCCATTGCCT
TTGCTCAGCACATTAAACAGgtctagagaaaagccgttgatattgtgatgtaccgtgaagcagtatatgtct

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : cas9 target site

ZKO414a: 7bp deletion

CLUSTAL format alignment by MAFFT G-INS-i (v7.215)

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WT          GATGGCTGCCACGGCTGGGAGAGACGTGGTTTGTATGGACAGGACAAAGGAGAAGACTGA
zko414a     GATGGCTGCCACGGCTGGGAGAGACGTGGTTTGTATGG-----AAAGGAGAAGACTGA
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WT          AAGGATGATGCCCTCTGCTCCACAGA
zko414a     AAGGATGATGCCCTCTGCTCCACAGA
*****
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