

ZKO269

Target Position: exon 2

Sense Strand Sequence

aaactgtcttcggaactattcatatcgctaaattatctcaatttcagatttcatgaagccctaattgatctttaagttgc
tgatgtggcaattaataaataaacaacaacatgtcggggactgtattttagcagaggaagtaagacgctaaataca
tattctaaattgtttataacaaaattttaatagtaaagctctctgttatgttcttctagcagtgattaattcgcaataattctt
tattttatgccgtctcaaagcagggtttatatttctaactcgtttcctcttttagGAGCTTTACTATCTGAGAATGCA
GCGAGCGCAGGAGAAGATGGAGCGTTTGGAGAAGCCAAAGAAAGAAAGACTCCGCGTGTG
CGTGGCCACTTGCAACCGAGCGGACTCTCAAACCTGGCACCCATCATGTTTGGCATCAAATC
TCACCCGGACATCTTTGACCTGGAGGTGGTGGTGCTGGGTTACATCTCATTGACGATTACGG
gtaagaa

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : cas9 target site

ZKO269b: 6bp deletion, 5bp insertion

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

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WT          GCATCAAATCTACCCGGACATCTTTGACCTGGAGGTGGTGGTGCTGGGTTACATCTCA
ZKO269b     GCATCAAATCTACCCGGACATCTTTGACC-GGTGCTGGTGGTGCTGGGTTACATCTCA
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