

ZKO271

Target Position: exon 3

Sense Strand Sequence

ttctgcttggtgctcttcatatgctataagagtatattacttctatatgacacataatgtgtgtaaatgtctatgtattgtgtcaa
atatgatacaatgcttgatggatgaacaaataatgactccaaatcaataaattgtcaggctttacatgctgagcagaa
ttctgaatgccagtttaccagtgactcctattttaaaagccagttttgttttccaattcaaataataaaaattcataa
acataatggacaaatccctgatccagataccaaaattaaaatctatcaactaactgcgttctggaattgtgtggcttgct
gtgtgttctgtagGAGAGTAATGGCCCTTCAGATGTGTACGCGGCCATCTCCAGTGTGGATCGGT
TGCAGGCTGAGCCGAGAGCTTGAGGAAGTGGAGAGAGGAGCAGCGAGATAGGCTGGAG
GAGCTCGtaaacgaaacctgacctggatgcttttatatagatgcatttaaagtttgaagttcatttagggttgacg
aatgtttctctcagATGCGAACTCGCGTAAACAGGAGGCCGAGTGGAAAGAGAAGGCAAAGCTG
GAGCTGGAGGAATGGCACACCAGGCAGAACGAGCAGCTGGAGAAAACCAAAGTCAACAAC
AGGTACAAAACACTGTTTCGAGCAGAAAGAAATCAACAAGGCAGG

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : cas9 target site

ZKO271b: 13bp deletion

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

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WT          GAGCTTGAGGAAGTGGAGAGAGGAGCAGCGAGATAGGCTGGAGGAGCTCGGTAAACGCAA
ZKO271b    GAGCTTGAGGAAGTGGAGAGAGGAGCAGC-----GGAGCTCGGTAAACGCAA
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