

ZKO368

Target Position: exon 3

Sense Strand Sequence

tattcagGGCTTAGTTTTAGG TGTGTATGAGCAACAGTCGGACAGTGATGGGGTGTCTCTCACG
GAGGCTGCTGCGGCGTTTGACAGGTCGCTCTCCGGGAGACTGTCAGAAATGCTCTCGCTgtaa
gtcagtgtttgactttgcaaactcattggaacgtcaattgtttgttttaccgtacaatgacgatttcttctctgtttg
tagATCTGGACCTCCCCTGAAGAAA GGCAAGAGCAGGATCTTCTATGGTTTACATCAGgtgcaa
gtcaattctgaccttagatgcttgattacgtaataataataataatccagagttgtgggtacattcaatcatttctattca
ttttcattaactgaaatgatatacagtacacaaaaatattacagtaaacgataataatgtaaaatgatgcttaa
atgtgataacgaggggaacattgatt

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : cas9 target site

ZKO368a:5bp deletion, 16bp insertion

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

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WT          TTTTGTAGATCTGGACCTCCCCTGAAGAAAGGCAAGAGCAGGATCTT-----CT
ZKO368a     TTTTGTAGATCTGGACCTCCCCTGAAGAAAGGCAAGAGCAGGATGGCAAGGAAATAAATA
*****
WT          ATGGTTTACATCAGGTGCCAAGTCAATTCTG
ZKO368a     ATGGTTTACATCAGGTGCCAAGTCAATTCTG
*****
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ZKO368b: 11bp deletion

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

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WT          TTTTGTAGATCTGGACCTCCCCTGAAGAAAGGCAAGAGCAGGATCTTCTATGGTTTACAT
ZKO368b     TTTTGTAGATCTGGACCTCCCCTGAAGAAAGGCAAGAGCA-----GGTTTACAT
*****
WT          CAGGTGCCAAGTCAATTCTG
ZKO368b     CAGGTGCCAAGTCAATTCTG
*****
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