

ZKO1111

Target Position: exon 3

Sense Strand Sequence

ttcaggaaggataatcgctcccaaaaaagctcaagtggccaacaacagaagctaagaaggatgaaataagctat
atagccagtttagtctgtttaaaccccttctagttgaataatagtggtgtgtgtgcacgcgcagGGTTGGAGGT
GGCCATCAGGAACAAGATTGAACATGAAGTCACACAGAAGGCCAGCACGTCCCTGCATAA
GAAACTGAGTGTGTTGAAAACCTCCAGCACAGAAAAGCGGGACAGCAGGAGCCCCTAAACC
TGCAGCTGGACCCTCTAAATGAAGcaaagtaatcaggagcgtgtcatcttcgtgcagccgctaggcggagct
ccccgcgcggaagactgacgatcgacactgt

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : cas9 target site

ZKO1111a: 2bp inertion

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

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WT          GTGTGCACGCGCAGGGTTTGGAGGTGGCCA--TCAGGAACAAGATTGAACATGAAGTCAC
ZKO1111a    GTGTGCACGCGCAGGGTTTGGAGGTGGCCACCTCAGGAACAAGATTGAACATGAAGTCAC
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