

ZKO254

Target Position: exon 1

Sense Strand Sequence

agtttggctgctggctaaccttatccatgtcattgtgtttA**GGGGAGCGCTGGTAATCATC**GGGAATATGA
CAGTGGACACAGACTTTGTAAGCGCCGGAGTGGAAGTCGGTTTTGAAACCGAGGCCACGCT
GGACTTCATCACCACCGTCCAGTTCTCAGAGTACCCCTTCCTCGTCTGCATGCAGATGGACAA
AACCACTTCCCTTCAGgtatctatcgcactttaaacacagagaaccaaatttagaggaacgatccacttttgg
aaatagtctcatgttaaacaatcaaacatttttaatcattcagccgatctctgtgtctggcaagaacacttttagcttagct
tagcacaagtaatggaatcagattggaccgtagcatctagctcaaaaaatacaaaaatattcagatcatttcctattga
aagcttgactcttctgtatttac**gttgtaaaataggaccaatggaa**

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : cas9 target site

ZKO254a: 2bp deletion, 4bp insertion

CLUSTAL format alignment by MAFFT FFT-NS-i (v7.215)

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WT          gtcattgtgttttAGGGGAGCGCTGGTAA--TCATCGGGAATATGACAGTGGACACAGAC
ZKO254a     gtcattgtgttttAGGGGAGCGCTGGTAAATATATCGGGAATATGACAGTGGACACAGAC
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