

ZKO253

Target Position: exon 3

Sense Strand Sequence

GTCTGTGGCTCTGTGGGCCTGGAGTGAGAAGgtttagtgaagaccatcttcataagtgaaaccttcatctcat
caaagtaaagacaagttattaatctcatctgttgcattccatcagGGAGTTCTCTCCAACATATCCTCCATCAC
AGATCTGGGTGGCTTTGACCCGGTGTGGCTGTTTCTTGTGGTCGGTGGAGTGATGTTTCGTCCT
CGGCTTCGCAGGGTGCATTGGTGTCTGAGAGAAAACCTCTTTCCTTAAGTTgtaagcttttt
ttaaagtcaatatgtttacaacataattatggtatgctttatatattaatagcaggagtgtgcaaagtttcgggctgcttatta
tgttactagctgtggtttggcataaatgccttgaactgtcatgacacttggcgcatactcgtgtattttgtcttaactgctgt
gcacgagaaatgttctatacataacacagcttctgtgtttgcaatgtgctctcaaactccgc

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : cas9 target site

ZKO253a: 3bp deletion, 2bp insertion

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

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WT          GGCTGTTTCTTGTGGTCGGTGGAGTGATGTTTCGTCCTCGGCTTCGCAGGGTGCATTGGTG
ZKO253a     GGCTGTTTCTTGTGGTCGGTGGAGTGATG-TGATCCTCGGCTTCGCAGGGTGCATTGGTG
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ZKO253b: 6bp deletion, 7bp insertion

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

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WT          GGCTGTTTCTTGTGGTCGGTGGAGTGATGTTTCG-TCCTCGGCTTCGCAGGGTGCATTGGT
ZKO253b     GGCTGTTTCTTGTGGTCGGTGGAGTGATGTTGGAGTGACGGCTTCGCAGGGTGCATTGGT
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