

ZKO1077

Target Position: exon 2

Sense Strand Sequence

gctgtattctacacacaccataccatgatagcgaccacagtcgtgtttaaagttgcattgttgaccggataacgcaatgc
cgtcgcagGATGATGCCGAGTCGGTAAATGAAGACGATTTCCGCCTCCGGTTCACCGCGAGT
AGTCCACCGCGAGACACGCCGGCAGCATCTGAACGCC**GGGTAAAGTGTGTGATGGT**CGGC
GATGGAGCGGTGGTAAAACCACTGATTATCAGCTACACCACCAACGGATATCCGGCAGA
ACACATTCCCCTGCTTTGACAACCTCACAGgtaaactcactcaaaactgaggtaaagttggtttatatt
cgcacattgggactttcttctaacaatatctttcagacaatcattattagcaaatttaaatcatattagcagccaat**gact**
atcgaagtacaacact

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : cas9 target site

ZKO1077a:11bp deletion

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

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WT          GACGATTTCCGCCTCCGGTTCACCGCGAGTAGCTCCACCGCGAGACACGCCGGCAGCA
ZKO1077a    GACGATTTCCGCCTCCGGT-----TAGCTCCACCGCGAGACACGCCGGCAGCA
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ZKO1077b: 13bp deletion

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

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WT          GACGATTTCCGCCTCCGGTTCACCGCGAGTAGCTCCACCGCGAGACACGCCGGCAGCA
ZKO1077b    GACGATTTCCGCCTCCGG-----AGCTCCACCGCGAGACACGCCGGCAGCA
*****
*****
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