

ZKO1121

Target Position: exon 1

Sense Strand Sequence

tgaatcgccgtattgtcgcttataggaataataataaagggcttcatctgaatgtcaaaggctccgcgggatgattgacag
gaggagggcgtggccaagcgcgsggggcttctgccggagcgaacacgcggtcccttccgcgagccgtcagtcagggc
cttaaaactacgcccacaccccgcatccgcgactcaccgctttcagCACACCCCGAACCCACGGGACGCG
AGACGGACCGACGGAACCCGTCACACATCAGCGCCCGCTCCCGGAACACCAACCGACAG
CCGCATCTCGAGTACGGGTCATGACGCTGGAAGCGATCCGGTACCGGTCCGGGTCTCTGCA
GATCC TCAACCAGCTGCTGCTGCCGCGGAAACCGGTACGACGAGATCCGCTCGGTGCGGG
ACGGATATGAGGCCATCAAGAGCATGAAGgtaacgtacagcagcgggcccgaacgacggtcctcagccc
ggttccgttcgctacgagcggccggtgaggatcctttgtcggattggagctcggggtcgcgctttgttcgtcgggtg
atgtgtgatctgcataaacctgccttgatctaaagtga

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : cas9 target site

ZKO1121a: 7bp deletion

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

```
WT          GGTCATGACGCTGGAAGCGATCCGGTACCGGTCCGGTCTCTGCAGATCCTCAACCAGCT
ZKO1121a    GGTCATGACGCTGGAAGCGATCCGGTACC-----GTCTCTGCAGATCCTCAACCAGCT
*****
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ZKO1121b: 40bp deletion

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

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WT          GGTCATGACGCTGGAAGCGATCCGGTACCGGTCCGGTCTCTGCAGATCCTCAACCAGCT
ZKO1121b    GGTCATGACGCTGGAAGCGATCCGGTA-----
*****
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```
WT          GCTGCTGCCGCGGAAACCGGTGTACGACGAGATCCGCTCG
ZKO1121b    -----CCGCGGAAACCGGTGTACGACGAGATCCGCTCG
*****
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