

ZKO462

Target Position: exon 1

Sense Strand Sequence

CAACTGCTGGACTGGAAGGTTTACCGGGATCATTTTCATCATGATCTTCGAGTATCCTTCTCCAT
GTCAGGATTTGGAGGTTTTATGAGGAATCAAGGTGGCAAAGTCAGTGAGAGTTTCGCAAG
GCAAGTCATGACGCAGATTATTCAGGCTGCGCTCGTGTGCTGCCAGCGTGGTGTCTTTCACCG
GGATATCAAACCTCTCCAACCTTCTCATCAACACCGAGACATTTCAAGTCAAACCTAATTGACTTT
GGCTGCGGAGCCATTTTGAAGAAATCTTACTACAGGACCTTCAGTGgtatgtacagtaaagtttggt
cttaaaggatagttcaaccataaatgaaatgtactactgtttacacacc

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : cas9 target site

ZKO462a: 11bp deletion

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

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WT          GGTGCGCTCGTGTGCTGCCAGCGTGGTGTCTTTCACCGGATATCAAACCTCTCCAACCT
ZKO462a     GGTGCGCTCGTGTGCTGCCAGCGTGGTGTCT-----TATCAAACCTCTCCAACCT
*****
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WT          TCTCATCAACACCGAGACA
ZKO462a     TCTCATCAACACCGAGACA
*****
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ZKO462b: 10bp deletion

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

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WT          GGTGCGCTCGTGTGCTGCCAGCGTGGTGTCTTTCACCGGATATCAAACCTCTCCAACCT
ZKO462b     GGTGCGCTCGTGTGCTGCCAGCGTGGTGTCT-----TATCAAACCTCTCCAACCT
*****
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```
WT          TCTCATCAACACCGAGACA
ZKO462b     TCTCATCAACACCGAGACA
*****
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