

ZK0361

Target Position: exon 2

Sense Strand Sequence

tcttaccgatcacctttttattggtatatagtaattgctctatTTTgttatcgtaaaaaatgatttttctgtaaattattctttgattga
atttcagTGCATTCTAATCTTATGGCTTATGAACGAGGCGTCCAGGAGCGGGCGCAAACAAAGGCGC
GTGCGCACCATCTTCACCAGCGCGCAGCTGAAAGCGCTCGAGCGCGCCTTCGCACACACTCAATA
TCCGACATCTACACGAGAGAGGAGCTCGTGCAGGAGATCCAGCTACTGAAGCCCGAGTTCAG
gtatttgcctttatttttctcaaatatctgttttattttaaatagtgagctcatctagatctccttgtaacacagcaaatatgg
ggaccc

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : cas9 target site

ZK0361a: 10bp deletion

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

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WT          TGCATTCTAATCTTATGGCTTATGAACGAGGCGTCCAGGAGCGGGCGCAAACAAAGGCGCG
ZK0361a     TGCATTCTAATCTTATGGCTTATGAACGAG-----GCGGCGCAAACAAAGGCGCG
*****
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WT          TGCGCACCATCTTCACCAGCGCGCAGCTGA
ZK0361a     TGCGCACCATCTTCACCAGCGCGCAGCTGA
*****
```

ZK0361b: 13bp deletion

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

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WT          TGCATTCTAATCTTATGGCTTATGAACGAGGCGTCCAGGAGCGGGCGCAAACAAAGGCGCG
ZK0361b     TGCATTCTAATCTTATGGCTTATGAACGA-----GGCGCAAACAAGGCGCG
*****
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WT          TGCGCACCATCTTCACCAGCGCGCAGCTGA
ZK0361b     TGCGCACCATCTTCACCAGCGCGCAGCTGA
*****
```