

ZK0859

Target position: exon 3

Sense Strand Sequence

ttctcaatagtcatctagCCAAGTTACCTTTCCAAAAAGTGACTCCGGAGGGGGTGATTTTTGTGA
CTCAGTGGGCCATCCTGGCTGTTTTGGCCTACTGGATCTTGCCTTCATCCTGCGTTTGGTTGT
GGGAGCTGTGAGGCAGGCGCTGTGGCTGCTCAAGCTCTCCTTTGCTGTTGGCACGTTTGGAT
TGATTCTCAGCGACTCTGGAGCCTCAGCAGAAACCACAGCACTGAGATTAGCAGGCCTGGCG
TGCCTGTGTCTGCTGGGAATCGGTACAGCATCTGCAAAGTCAGACGCACACCTGGAGAA
CAAAGTCAAGATGCTGGAGAGGAGATTGAAAGAGATGGAGAAAAGCAAATGGAGTGAGA
TGATGGAAAGCAGA

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg: Forward/Reverse primer

atcg: cas9 target site

ZK0859a: 2bp deletion

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

```
WT          GCGTTTGGTTGTGGGAGCTGTGAGGCAGGCGCTGTGGCTGCTCAAGCTCTCCTTTGCTGT
ZK0859a     GCGTTTGGTTGTGGGAGCTGTGAGGCAG--GCTGTGGCTGCTCAAGCTCTCCTTTGCTGT
*****
```

ZK0859b: 46bp deletion

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

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WT          CCATCCTGGCTGTTTTGGCCTACTGGATCTTGCCTTCATCCTGCGTTTGGTTGTGGGAG
ZK0859b     CCATCCTGGCTGTTTTGGCCTACTGGAT-----
*****
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```
WT          CTGTGAGGCAGGCGCTGTGGCTGCTCAAGCTCTCCTTTGCTGTTGG
ZK0859b     -----CTGTGGCTGCTCAAGCTCTCCTTTGCTGTTGG
*****
```