

ZKO798

Target Position: exon 2

Sense Strand Sequence

ggactttcatcatgcagacttactaggaaataagaatttttaaatgtcatattagatgtttgataaaatggtatgcatgtatg
tattagtcccttggttcttattccactgctgtcgtctttgtattgcagTGCAGCAAGCA**GGAGTGAGACACTGTTA**
TTCTTGGATCCAGGAACAACCTTTACATTAACAAGAACACTAAGGTCATCTGTCAAGGGTTCAC
CGGAAAACAGgtgtgtactagccacatacagtatgttctatagcagtgttctcaaagtgggggtcgggaccctcga
ggggctgtggggcaatgaagggggggtcgctgtgatttccaaaatctatttttttataaaccataagaattaacat
atztatccataactatactgaaaataaaaatagtagtttatagttactatatactatatagttactatagtagcttatagttac
tagttctattggattgcgaccctggggaattacagtatatta**aaaggcagcaatagcgtcag**

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : cas9 target site

ZKO798a: 1bp insertion

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

```
WT          AGTGCAGCAAGCAGGAGTGAGACACTGTTA-TTCTGGATCCAGGAACAACCTTTACATTA
ZKO798a     AGTGCAGCAAGCAGGAGTGAGACACTGTTAGTTCTGGATCCAGGAACAACCTTTACATTA
*****
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ZKO798b: 17bp deletion

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

```
WT          TTGTATTTGCAGTGCAGCAAGCAGGAGTGAGACACTGTTATTCTGGATCCAGGAACAACC
ZKO798b     TTGTATTTGCAGTGCAGCAAGCAGGAGT-----GATCCAGGAACAACC
*****
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WT          TTTACATTAACAAGAACACT
ZKO798b     TTTACATTAACAAGAACACT
*****
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