

ZKO388

Target Position: exon 4

Sense Strand Sequence

cagcacgggtatgtgatgctgctacttgaagttagtagtattaatcagaacgatgctgaggtcagttaccatttggtttgttact
gtagggcatcatttgacatatcagttcctggtgctaaaaggaagtgtctgaatgagggtgaagatccagaggaagatgtg
gaagagcaaaaggtagagagcgctgatcaggaatcggctgttaattcagaaaagcccttacatttgatcaggtcagagc
tatgtgtaactgatttgaatctgctgtatggtgtagGAAGATGTTGAGCCTCAACATCAGGAAGAGAGTG
GACCATATGAAGAGGTGTACAAGGACTCCAGCACATTTCTAAAGGtatctttaaacacaattgtatatg
attaattgagcaatcgggtatgagaagc

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : cas9 target site

ZKO388a: 2bp deletion

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

```
WT          agGAAGATGTTGAGCCTCAACATCAGGAAGAGAGTGGACCATATGAAGAGGTGTACAAGG
ZKO388a     agGAAGATGTTGAGCCTCAACATCAGGA--AGAGTGGACCATATGAAGAGGTGTACAAGG
*****
```

ZKO388b: 4bp deletion

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

```
WT          agGAAGATGTTGAGCCTCAACATCAGGAAGAGAGTGGACCATATGAAGAGGTGTACAAGG
ZKO388b     agGAAGATGTTGAGCCTCAACATCAGGA----AGTGGACCATATGAAGAGGTGTACAAGG
*****
```