

ZKO668

Target Position: exon 2

Sense Strand Sequence

GAGCTGAATCTGACGGAGTAACTGAGACTGTGTTGACTGGGCGCACGTGGCGCCACAATGAA
TGTCACCTCACTCTTTTCCTTACCAGCCCGGCGGTCAAACGACTGCTGGGCTGGAAGCAAG
GGGATGAAGAAGAGAAGTGGGCAGAGAAGGCGGTGGATGCACTGGTCAAGAAGTTGAAGA
AGAAGAAGGGCGCTATGGAGGAAGTAGAGAGGGCACTCAGCTGCCCCGGTCAGCCAAGCA
ATTGTGTCATATCCCACGCTCACTGGATGGGAGGCTTCAAGTATCACACCGAAAGGGGCTTC
CTCAGTCATCTACTGCCGTGTGTGGCGATGGCCCGACCTGCAATCGCACCATGAGCTCAAGG
CCCTAGAGTGCTGTGAGTTTCCTTTTGGATCCAAGCAGAAGGATGTGTG

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : cas9 target site

ZKO668a: 7bp deletion

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

```
WT          GGCTTCCTCAGTCATCTACTGCCGTGTGTGGCGATGGCCCGACCTGCAATCGCACCATG
ZKO668a     GGCTTCCTCAGTCATCTACTGCC-----GCGATGGCCCGACCTGCAATCGCACCATG
            *****                               *****
```

ZKO668b: 4bp deletion

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

```
WT          GGCTTCCTCAGTCATCTACTGCCGTGTGTGGCGATGGCCCGACCTGCAATCGCACCATG
ZKO668a     GGCTTCCTCAGTCATCTACTGCCGTGTGTG----TGGCCCGACCTGCAATCGCACCATG
            *****                               *****
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