

ZKO725

Target Position: exon 13

Sense Strand Sequence

GGGATTATACCCAAGACGC TTGCATTAACGTGCTAAGTGGTCACACCGCTCCAGTGCGGGGTC
TTATGTGGAACACAGAGGTGCCGTATCTTTTGACCTCAGGGAGCTGGGACTACACCATTCTGTG
TCTGGGACACCAGAGACGGCACCTGTCTAGACACTGTTTATGACCATGGAGCTGACGTCTACG
gtagtgtatgaaattcataattatatactgtagatggatttctgtggaagaatgacaattctagttttgcctaaattgttaa
gacatgctttatcaccctccagaagtatatacttttcaataacaatcagcttgatttaggtgtcagataccacatgactaag
taactggatgtaaaatattttgaattgaaatattaattacaaatgattgctccgataaatcatctca

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : cas9 target site

ZKO725a:10bp deletion

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

```
WT          TTCGTGTCTGGGACACCAGAGACGGCACCTGTCTAGACACTGTTTATGACCATGGAGCTG
ZKO725a     TTCGTGTCTGGGACACCAGAGACGGC-----ACACTGTTTATGACCATGGAGCTG
          *****                               *****
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ZKO725b: 5bp deletion

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

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WT          TTCGTGTCTGGGACACCAGAGACGGCACCTGTCTAGACACTGTTTATGACCATGGAGCTG
ZKO725b     TTCGTGTCTGGGACACCAGAGACGGCACCTGT-----CACTGTTTATGACCATGGAGCTG
          *****                               *****
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