

ZKO481

Target Position: exon 2

Sense Strand Sequence

ATCGTCTACAACCTCAACAAATGACCAAAGCCAAGGACGTGACAGCAATACCTGCCCTCCAGC
AGTACCTCCGCCTCCACCTCCACCTCCTCCACCACCTCCCCA GGCACCAGGTAATTCTGGCCAA
CATGCGTCACGCAAGAAACGACGCGTACGGAGCTTCTTCTGGAAAACCATTCCAGAGGAGA
AGTTAGGGGGAAACCCAATATTTGGACTCTAGCGGTCAGACAACAGCAGTATCAGATTGAT
GTGAAGACAGTAGAAGAGCTTTTCGGCCAGCAGGAGGAAGTTTCGAACTCAGACAAGCGGT
GGCATTCTCGTACTGGGAGATCCAGAGGTTCAAGGAGAGCAAGGATGAGgtaaggca
acctgagaaaaactgaatcattgcatagttgttgagagtgcatt

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : cas9 target site

ZKO481a: 7bp deletion

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

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WT          CCTCCACCTCCACCTCCTCCACCACCTCCCCAGGCACCAGGTAATTCTGGCCAACATGCG
ZKO481a     CCTCCACCTCCACCTCCTCCACCACCTCC-----CCAGGTAATTCTGGCCAACATGCG
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ZKO481b: 6bp deletion

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

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WT          CCTCCACCTCCACCTCCTCCACCACCTCCCCAGGCACCAGGTAATTCTGGCCAACATGCG
ZKO481b     CCTCCACCTCCACCTCCTCCACCACCTCCCCAGGCA-----AATTCTGGCCAACATGCG
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WT          TCACGCAAGAAA
ZKO481b     TCACGCAAGAAA
*****
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