

ZKO17

Target Position: exon 1

Sense Strand Sequence

GGTGTCCGCTGTTTCGTGTTGTGTTTTTCATCTCCTTCTGTACGGTCATGTCTGCTCATTCCGC
CGAAGAACCGTTCCCGTTTCACGGGCTGCTCCCGAAAAAAGAGACCGGCGCTGCTTCGTTCC
CTACTAAGTACCCGGAGTACGATGGCCGAGGGGTGCTCATCGCGATTCTCGACACCGGCG
TGGACCCAGGGGCCCCGGGCATGCAGgtaaatacgagcccgctgcagctcatcagcaggccgcagcgg
gttttgctcccgttaacggaatcacaggcagcgaacgttatcggaattcaagtgtcacacttgaaccagcgaagcactaa
catatcttagtaaacaaagctaaaaaaaagccctcaaacacaaa

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : cas9 target site

ZKO17a: 8bp deletion

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

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WT          GCGATTCTCGACACCGGCGTGGACCCAGGGGCCCCGGGCATGCAGgtaaatacgagccgc
ZKO17a      GCGATTCTCGACACCGGCGTGGACCCA-----GGGCATGCAGgtaaatacgagccgc
*****
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WT          ggctgcag
ZKO17a      ggctgcag
*****
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