

ZK0396

Target Position: exon1

Sense Strand Sequence:

ACGCGACAGGCAGATAAGCGCCGAGTGTCTGGAGAGCGATGAGGGCGGCGGTGTTTTGCG
GGGCTGTGTTGATGCTCGCACTGTCCTCGGTAAAAGAGGCTGAGGGCGAAAACGGAATTTCC
TTTGAGTACCACCGCTATGAGGAAATGAGAAAATCGTTAGTATCTGTGTGGCTGCAGTGTCCAT
CCATCACCCGCATCTACACTGTAGGAGAGAGCTTTGAGGGTCGCGAGCTGCTCGTGCTGGAG
ATGAGCGACAATCCCGGGATACACGAGCCTGgtgagagagagatgctcattcattatggcagattataacag
gcctgtaaaagcaacactggtttatattaataataaaaaagcactcaggatgatcaaatattgaagcatgaagtatcagaa
gcaaacattttccctttgctgccttattcatccattcttcat

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : cas9 target site

ZK0396a: 15bp deletion, 2bp insertion

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

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WT          GAGAGCTTTGAGGGTCGCGAGCTGCTCGTGCTGGAGATGAGCGACAATCCCGGGATACAC
ZK0396a     GAGAGCTTTGAGGGTCGCGAGCTGCTCGTGCTCG-----TCCCGGGATACAC
            ***** *
            *****

WT          GAGCCTG
ZK0396a     GAGCCTG
            *****
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