

ZK024

Target Position: exon 3

Sense Strand Sequence

ctggcatcctgcattctgtggagtcagcctcagagggcccaagtaaaaagtgttggattttggactgcaatagttagttc
agccactggggctcactctgacatactgcaccattgaatatgaatgcagacctgtaatgtcatgccattgctgcagACG
CCGGAGGAGCATGTGTCTGAGGTGTGGCGGCGTCTGGTGTGTGTGAGCGCAGCGCAGCAT
GTGTTTGTGGTGGCTCATGGATATGGAGGTCTGGCGTTTGTGGATCTGCTGTGCTGCCGGA
TGGAGGAGGTGCAGCGGCGGGTCACAGCCGTGGCCTTTCTGGACTCCAGTCACAGTCTGTG
GCATCAGCCGCTGGGGAAAGCCGGACGAGACTGGCTAAGgtgcagaataatgactaaaaataaat
aaataaatcactgaagctggaaaatatcgaacattatcataacagcaatccagctcatcaacacttgaagataattgt
gtagggttaataatgtgagggtgctggtagaagta

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : cas9 target site

ZK024a: 38bp deletion

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

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WT          ATATGGAGGTCTGGCGTTTGTGGATCTGCTGTGCTGCCGGATGGAGGAGGTGCAGCGGCG
ZK024a      ATATGGAGGTCTGGCGTTTGTGGATCTGCTGTGCT-----
            *****

WT          GGTCACAGCCGTGGCCTTTCTGGACTCCAGTCACAGTC
ZK024a      -----GCCTTTCTGGACTCCAGTCACAGTC
            *****
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