

ZKO1

Target Position: exon 2

Sense Strand Sequence

gtgtccatgatctgcagTGTTCTTGAGTCGTGCAGAGGCCGAACCGGCCGCTGCATCCGCGTGTGCG
CAGGGCGAACTCTTTCCTGGAGGAGCTGAAGCTGGGAGATCTGGAGCGCGAGTGTCTGGAG
GAGATCTGCTCATATGAGGAGGCCA**GAGAGATCTTCACCGTCCC**GACCAGCTGgtgagcaaaa
caaacattaaacaagaatatagaacac

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : cas9 target site

ZKO1a: 5bp deletion, 1bp insertion

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

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WT          TCTGGAGGAGATCTGCTCATATGAGGAGGCCAGAGAGATCTTCACCGTCCCGACCAGCT
ZKO1a      TCTGGAGGAGATCTGCTCATATGAGGAGGCCA----TATCTTCACCGTCCCGACCAGCT
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