

ZKO239

Target Position: exon 1

Sense Strand Sequence

TCATCACCGTGTTATTACTGTTATGTACCCAAGGTAGCTTGTTCTAACTGGAAACGAGTCATGT
TTGCCCTCAGCCAGAACCTGAAGGCACCTGATGGAGCTCCATATCTAGATCCTCATGACATGCC
ATTAAGATAATCCATAATTCAACAGTGCATAATACATTTAAAAAGTTATGGATGCGCCATGGCC
GATACGCTCGTCCTCTGATGCATCAAAGCTGAAGAACTACACTAAGTTCCTCTTTGTGCGGG
ATCCTTTTGTGCGCCTTATTTCTGCTTATCGAGACAAGATTGCTGAGCCTAATGAGTATTACTAC
TACAAATTTGGCTCCATGATTCTTCAGCGTTATGCTAATATTTCTCAGCCCCCTACTTTGGCTCC
AGAGGCC TTCAGAGCAGGTATCAGACCATCCTTCAATCACTTTATTAAGTATCTGTTAGATCCA
CAGACTGAGAAGGAGAAGCCATTTGATGAGCATTGGCAGCAGATTCACAGACTTTGCCATCC
ATGTCAAATTGACTATGACTTTATTGGGAAGCTAGAACTCTTGATGAGGACACAGAACATTT
GCTGAAGATTCTTGGACTGGATAAACATATTCACCTTCTCCAGGATATGAGAACAGGACTGC
GGTAGACTGGGAGCAAGAATGGTT

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : cas9 target site

ZKO239a: 5bp insertion

CLUSTAL format alignment by MAFFT G-INS-i (v7.215)

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WT          AGCGTTATGCTAATATTTCTCAGCCCCTA-----CTTTGGCTCCAGAGGCCTTCAGAGC
ZKO239a     AGCGTTATGCTAATATTTCTCAGCCCCTACTGCTCTTTGGCTCCAGAGGCCTTCAGAGC
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ZKO239b: 4bp deletion, 8bp insertion

CLUSTAL format alignment by MAFFT G-INS-i (v7.215)

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WT          AGCGTTATGCTAATATTTCTCAGCCC-----CCTACTTTGGCTCCAGAGGCCTTCAGAGCA
ZKO239b     AGCGTTATGCTAATATTTCTCAGCCCAATATTTCTTTGGCTCCAGAGGCCTTCAGAGCA
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