

ZK0339

Target Position: exon 7

Sense Strand Sequence

agTGTCTTTACAGGTCTGGTGGAGGCATTAAATAAGCAGATAGCAGATATGGAGGAGGTGGTC
CTCCGGTATAGGAAGGGCTCCTCGTTCCTGGTGCCACAGCCATTTCACCTTCAGCTGCCCAA
CCAGCTGGACTCACCCTGTGATCTACCCTGCAGGAGTGCCAGACAGTCAGCTACAGGCTGT
CAGAGAGGcaagttatcgcagattcagatgattttatggaagaaaagaaattgaataggaaatattatataaagt
caacagaatagagaatagacaaagacgtgattgtatttttaatacatgtaccatgatcagcatatattagtagcaccagtca
caaatcattgatgaatcatcatttaaatcaatagtttctataggatgctttacaatattatattgtggatatattagtagtag
tcagaactgaagccatatctgatctaacttaaaaataaacttaccacaacagtcc

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : cas9 target site

ZK0339a: 1bp deletion, 4bp insertion

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

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WT          AGGTGGTCCTCCGGTATAGGAAGGGCTCCTCGTT---CCTGGTGCCACAGCCATTTCACT
ZK0339a     AGGTGGTCCTCCGGTATAGGAAGGGCTCCTCGTTGGAGCTGGTGCCACAGCCATTTCACT
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ZK0339b: 13bp deletion

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

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WT          AGGTGGTCCTCCGGTATAGGAAGGGCTCCTCGTTCCTGGTGCCACAGCCATTTCACTTTC
ZK0339b     AGGTGGTCCTCCGGTATAGG-----TCCTGGTGCCACAGCCATTTCACTTTC
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