

ZK057

Target Position: exon 9

Sense Strand Sequence

TGGTTGGAAGCCGTCATCTTCTGATTGGAATTATTGTCGCCAATGTACCTGAAGGTCTCCTTGCTACTGTAA
CTgtaagtgagagtacaaccacactgttggatatttgatatttgagctaaataaacctaacatggaactttatgtagGTGTGTCT
GACTCTCACTGCCAAACGAATGGCAAAGAAGAACTGCCTGGTGAAGAATCTTGAAGCTGTGGAGACTCTTG
GATCAACCTCTACCATTGCTCTGACAAGACTGGAACCTTGACCCAGAACC**GGATGACTGTTGCTCACATGT**
GGTTCGACAGCCAGATTCATGAAGCAGACACCACTGAGAACCAGAGTGGAACCACCTTTGACAGGAGCTC
TCCTACGTGGTCTGCACTTGACGTGTTGCTGGCCTTTGCAATCGTGCCGTCTTCTAGCTGATCAGCGCAAT
GTGCCTATCCTCAAGgtggg

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : cas9 target site

ZK057a: 2bp deletion

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

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WT          CTTTGACCCAGAACCGGATGACTGTTGCTCACATGTGGTTCGACAGCCAGATTCATGAAG
ZK057a      CTTTGACCCAGAACCGGATGACTGTTGCT--CATGTGGTTCGACAGCCAGATTCATGAAG
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ZK057b: 8bp deletion

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

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WT          CTTTGACCCAGAACCGGATGACTGTTGCTCACATGTGGTTCGACAGCCAGATTCATGAAG
ZK057b      CTTTGACCCAGAACCGGATGACTGT-----TGTGGTTCGACAGCCAGATTCATGAAG
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