

ZK0590

Target Position: exon 2

Sense Strand Sequence

GCGCATGGTGAATGGAAAGCCAAAAAAGTACGGAAACCGCGAACCATCTACTCCAGTTTTTC
AGCTGGCGGCTCTCCA GCGCAGATCCAGAAGACCCAGTACCTCGCGCTTCCAGAGCGCGCC
GAACTGGCGGCGTCTTTGGGGCTCACGCAGACCCAGgtaaacgcggcacttttgacaacatgtttaga
cttagttctgcattgctgttttttagttcttctagaactgcacccatgtttaacatacatttgcgctcgttttggatatcaac
agGTGAAGATATGGTTCCAGAACAGACGCTCAAAATTCAAAAAGTTGTGAAAAATGGCGAG
ATTCCTGCAGACCAGCAGGTTGCTTCCGGTGACTCTCCTTCCAGCTCTCCACCGCCACAAGCA
GTTGGGATTCCACCGAACCAACACAGAACGACGGGACACAGTTTCAGAGCAGCCCA
CTGGGCCGCCAAAC ACCACTGCCCATCGTTCT

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : cas9 target site

ZK0590a: 5bp deletion

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

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WT          TACTCCAGTTTTTCAGCTGGCGGCTCTCCAGCGCAGATTCCAGAAGACCCAGTACCTCGCG
ZK0590      TACTCCAGTTTTTCAGCTGGCGGCTCTC-----CAGATTCCAGAAGACCCAGTACCTCGCG
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