

ZK091

Target Position: exon 2

Sense Strand Sequence

TCAGATGTACCTTTTCATCTAAATTTATACAAAAATGACTTGGTGGAGTTACTTGCAGAGGACG
TGGAGGCTTTCAAGAATGCCATTACCTTACATCTCGGTGCGAACAGCATAACAGGAGCTCGAAC
CTGGCGTGTTTAGTGCACTGGGATCCCTGAAAAAGCTGCACATAAACAGCAATTCCTGGTTA
TGTTGAA GGAGGACACATTCCAGGGGTTGGTAAATTTGGAGTACCTTCAGGCTGACACCAAC
TTCATCCGAGTGGTTGAGCCTGGGGCTTTCAGCAAGCTCATCCGTCTCAAAGTTCTGATCCTC
AATGACA ACTCAATCGACTTCCTTCCGAGCAACATTTTCCGCTTGTGCCTCTGACACATTTGG
ATCTGCGCGGGAATAAGCTGCAGACACTGCC ATACGTAGGTTTCCTGGAGC

Uppercase: exon/coding sequence

Lowercase: exon/coding sequence

atcg : Forward/Reverse primer

atcg : cas9 target site

ZK091a: 22bp insertion

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

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WT          CAATTCCTGGTTATGTTGAAGGAGGACACATTCCAGG-----
ZK091a     CAATTCCTGGTTATGTTGAAGGAGGACACATTCCAGGTTGGAAAATTTACCACGTTCCA
          *****

WT          GGTTGGTAAATTTGGAGTACCTTCAGGCTGACACCAACTTCATCCGAGTGGTT
ZK091a     GGTTGGTAAATTTGGAGTACCTTCAGGCTGACACCAACTTCATCCGAGTGGTT
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