

ZK0891

Target Position: exon 1

Sense Strand Sequence

catgggtgacttggggcatgtttcctctctcagctgccgctagagggcagtgagtagcggcctcgatggtgctgcaga
agttttcaagATGTCGTCGCTGGAGCAGAGACTCTCCGAATCGAGGAGAACTCAAGCAGGAA
AATAAAGAAGCTCGCAAACGGATCGACCTGAACATCGACATGAGCCCGCAGCGGACGCGCC
CGAGGCCAAgtaagtgtgtgtagagagtgccgctgacccatcacatgacgaaacacacacaatctacat
cacataaacaacaaccgatcaaatcctgactctcactcagttcactctcacctttgtctgttaaagggctgggggtcg
ttcagcggagtatttgcctcggttctgctccagcgtggttctgttacgaaataaataataaccaatttctgaca
gtccgctcactagcgttagctcggaggctagctgtgtagcaggccc

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : cas9 target site

ZK0891a: 11bp deletion

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

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WT          TAAAGAAGCTCGCAAACGGATCGACCTGAACATCGACATGAGCCCGCAGCGGACGCGCCC
ZK0891a     TAAAGAAGCTCGCAAACGGATCGACCTGA-----AGCCCGCAGCGGACGCGCCC
*****
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WT          GAGGCCAAgta
ZK0891a     GAGGCCAAgta
*****
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