

ZK0850

Target position:exon1

Sense Strand Sequence

CCTTTCCTGCTTTGCATTGC GCTCGCAAACACTCATATTTTCGACAAAGTTTTGGT GGACGTCA
GTTATGATCACTACG CGGAGAAGAAAGTCGACAACCTCCCTGCCTTCCTGGCCATGCCGTTTA
ACTGCCTGATAAACGTAGGCTACATATTATTGGCGATCTATTGGCTCTTGACAGCGGATGCCGGA
TGGTAAGAGCAACCGAGCGGCTGCCTACAGTAAAGAGGTGTTTGCCTGATGGCGCTGGCCT
ACGGGCCGGTGCAGTGGATCCGCTGGCCACCCTGCGGCGCGGCCCTCCGTCCTGGACCA
GTGGTTCACTTTACCTATTTTTGCATGGGTGCTGGTGTGGTGTCAAGTGATTGATAAGGGTTG
GTCATCTC GCTATGCTTTAATGGTGGAGTC

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : cas9 target site

ZK0850a: 5bp deletion

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

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WT          ACAAAGTTTTGGTGGACGTCAGTTATGATCACTACGCGGAGAAGAAAGTCGACAACCTCC
ZK0850a     ACAAAGTTTTGGTGGACGTCAGTTATGAT-----CGCGGAGAAGAAAGTCGACAACCTCC
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