

ZKO181

Target Position: exon 1

Sense Strand Sequence

tgctgctatgcactgagagttaatatagtagatgatactatgaaaaaatatttcataaattattttaacttaactcgaggg
atatttcgatttctttGAGAGTGTGTTGTGTCGCGCATGCGCAGCAGCCGTCTCGTGCATTGTGGGAGC
TAGTTGAGAAACATGGCGGCGCGCATCCTTGCCCGGTGTGTCCGATCGCTGAACCACCGTTCT
CTATATTTTAAACCGTGTAACACTGTCGCGACTTTAACA**GCAGCTCCGCTCATCCATGGC**CGGA
CACTTTCACATCTGACAACCGGACATAAGTCTTCACTGGCGCAGgtgtgtgttcctgagtgactgatgac
gtccgatgacctaccgtgtcttttagttagaaaggcttcagcaatatcg**acaacaacctcattcgct**

Uppercase: intron/noncoding sequence

Lowercase: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : cas9 target site

ZKO181a: 8bp deletion

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

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WT          TTTAACAGCAGCTCCGCTCATCCATGGCCGGACACTTTCACATCTGACAACCGGACATAA
ZKO181a     TTTAACAGCAGCTCCGCTCATCCATGG-----TTCACATCTGACAACCGGACATAA
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