

ZKO180

Target Position: exon 2

Sense Strand Sequence

gcgtactttacaagtgaattctggaaactagatgttaacaatgcattgtattgaaaaattatacattgttctgatattcctga
cttaacttttaggtgaaaactgtaatgcattttaatttataaaggcagatatgacagtaatgatgtttctttgcagGTAAC
ACTCTTTTGAACCTCGAGCCAAGACTGTGGAGGTAAAATTCTTG **GAGAGCATAGTGGCTCAATC**
CGGTACTCTTTACACCCGAGCAGACTTTTATTTGACAGAATTACTAACGACagcaaagaaaagcag
ttggatattacgtgtacttggattatcgatgtacatgaaaatcagactgtgtggatagatgctatttctgttgggaagggagc
tcgtattgggattacattgggaatggagatacagtgatctacgaaaaggatgagcaggagatatttct **ggcactgggag**
aactgttgt

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : cas9 target site

ZKO180a: 2bp deletion

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

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WT          TAAAATTCTTGGAGAGCATAGTGGCTCAATCCGGTACTCTTTACACCCGAGCAGACTTTT
ZKO180a     TAAAATTCTTGGAGAGCATAGTGGCTC--TCCGGTACTCTTTACACCCGAGCAGACTTTT
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