

ZKO204

Target Position: exon 6

Sense Strand Sequence

GGTCGTTCCATTCAACGAGGAGgtaacacaacaaaaataaactaaccaataaacagtcacctgctaaaacaa
tcttactttaaaaatgcatgcataaaaaatgagtttgacaacccttcgtaataatcctttttaattaacatttatttgc
agAATGCC**GAACAAATTTCAACTCCA**AGGTCCGTAAGCATTGCTTCTATTTCTTAATACAACA
GTGGATTCCCAGAATGCATTAGTAGAGGAGTTTAGAGAGGTTGCCAGTGAGTTAAGGAGAA
Ggtaagttaagtaacacattgaagcgagtcatttgtaaagcccactggacagttctcatgctcacagtctgtatgtat
gtgttagGTGATCTTCATCACAGTAGACGTTACGGCCGAAAAGTAAATCACGTGCTGAAGTAT
TTCAGTATCTCGAAGACGATGTTCCAATTCGTCTGATCAACACTGAGGATGTGGTCACAT
ATGCAATGGATGGATCAACTATCAACAAAGACA**CACTGAGAACGTTTGCCAG**

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : cas9 target site

ZKO204a: 2bp deletion

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

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WT          ttttcagAATGCCGAACAAATTTCAACTCCAAGGTCCGTAAGCATTGCTTCTATTC
ZKO204a     ttttcagAATGCCGAACAAATTTCAA--CCAAGGTCCGTAAGCATTGCTTCTATTC
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ZKO204b: 7bp deletion

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

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WT          attttcagAATGCCGAACAAATTTCAACTCCAAGGTCCGTAAGCATTGCTTCTATTT
ZKO204b     attttcagAATGCCGAACAAATTT-----AAGGTCCGTAAGCATTGCTTCTATTT
*****
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