



## ZKO1161

target Position: exon 3

Sense Strand Sequence

TCTGGGAGGTGATCAGCGATGAGCATGGGATTGACCCACCGGCTCCTACCATGG  
AGACAGTGACCTGCAGCTGGACCGCATCAGCGTTTACTACAACGAAGCTTCGGgta  
ggcacatcaccactattacatcttcatacaaacatctgaagtctttaagttgtaaaggggatttctggtgctctgtttctttatcagGTGG  
AAAGTATGTCCCTCGTGCCATCCTTGTGGATCTAGAGCCTGGAACCAATGGATTCA  
GTCCGCTCGGGTCCTTTTGGACAGATATTCAGACCTGACAACCTTTGTTTTTgtaaata  
aacacactatactttaaccagcagtcaccaatctcggtcctggagggccggcgtttctgcagagttggctacaactagcctcaacaca  
cctgcctgggtgtttcaagtatacctagtaagacctgattagctgttcgggtgtgttgattagggtggagctaaaactgcaggacacc  
ggatcttcaggaacaagtttggtg

ATCG: Exon/coding sequence

atcg: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : cas9 target site

### ZKO1161b: 7bp deletion, 30bp insertion

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

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WT          GTGGAAAGTATGTCCCTCGTGCCATCCTTGTGGATCTAGAGCCTGGA-----
ZKO1161b    GTGGAAAGTATGTCCCTCGTGCCATCCTTGTGGATCTAGAGCCTGGATTCAGTCCGCTCG
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WT          -----ACCATGGATTCAGTCCGCTCGGGTCCTTTTGGACAGATATTCAGACCTGA
ZKO1161b    GGTCCCTTTTGGACAGATATTCAGTCCGCTCGGGTCCTTTTGGACAGATATTCAGACCTGA
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