



ZKO1161

target Position: exon 3

Sense Strand Sequence

TCTGGGAGGTGATCAGCGATGAGCATGGGATTGACCCACCGGCTCCTACCATGG
AGACAGTGACCTGCAGCTGGACCGCATCAGCGTTTACTACAACGAAGCTTCGGgta
ggcacatcaccactattacatcttcatacaaacatctgaagctttaagttgtaaaggggatttctggtgctctgtttctttatcagGTGG
AAAGTATGTCCCTCGTGCCATCCTTGT**GGATCTAGAGCCTGGAACCA**TGGATTCA
GTCCGCTCGGGTCCTTTTGGACAGATATTCAGACCTGACAACCTTTGTTTTTgtaaata
aacacactatactttaaccagcagtcaccaatctcggctcctggagggccggcgttctgcagagttggctacaactagcctcaacaca
cctgcctgggtgtttcaagtatacctagtaagaccttgattagctgttcgggtgtgttgattagggtggagctaaaatcgcaggacacc
ggatcttcaggaacaagtttggtg

ATCG: Exon/coding sequence

atcg: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : cas9 target site

ZKO1161a: 22bp deletion, 2bp insertion

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

WT	GTGGAAAGTATGTCCCTCGTGCCATCCTTGTGGATCTAGAGCCTGGAACCATGGATTGATCAG
ZKO1161a	GTGGAAAGTATGTCCCTCGTGCCATCCTAA-----ATGGACTCAG
	*****.*****
WT	TCCGCTCGGGTCCTTTTGGACAGATATTCAGACCTGACAACCTTTGTTTTTG
ZKO1161a	TCCGCTCGGGTCCTTTTGGACAGATATTCAGACCTGACAACCTTTGTTTTTG

