



## ZKO1163

target Position: junction between **intron 1** and **exon 2**

Sense Strand Sequence:

**cgtgcctggttacggacaat**tcataatacatttatattgcagaagccttgagcctaattgaaaattaaattttagatgtgaattttcccttgg  
 acatggtacaatccgtagttcttctaaatgaagttgaagcaaaaatgatttgtctcct**cagGTATGTTCTGATGGCTC**CTA  
 ATCTGCTGAGAGTGGGTTTCATCAGAGAACGTGTTTGTGGAGGCCGAGGATTATTCT  
 GGAGAACCCTAAGAGTGAAGATCTCTGTGAAGAACTTCCCAGCCAAGAATGTGG  
 AGATGATGCAAAAAACAGTGACTCTGACTGGAGAAAAATATCAGATCCTCACAGA  
 CATAGAGgtcagctttacccttataagagtacaatatgtcaatgcataatcgaatctaaaatggtatgttttggttataaatagca  
 aaacggttaacaggtgttattataatagATTCCGGATGATAAAAACCTTCTTCTCTGATGATGAGAA  
 GAAGCAGTATGTGTATCTGCAAG**CTCACTTTCCTCCGTCAC**

Uppercase: Exon/coding sequence

lowercase: intron/noncoding sequence

**ACTG** : Forward/Reverse primer

**ACTG** : cas9 target site

### ZKO1163a: 15bp deletion

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

WT	TCTTCTAAATGAAGTTGAAGCAAAAATGATTTGTTCTCCTCAGGTATGTTCTGATGGCTC
ZKO1163a	TCTTCTAAATGAAGTTGAAGCAAAAATGATT-----TGTTCTGATGGCTC
	*****
WT	CTAATCTGCTGAGAGTGGGTTTCATCAG
ZKO1163a	CTAATCTGCTGAGAGTGGGTTTCATCAG
	*****

