



## ZKO1167

Target Position: exon 2

Sense Strand Sequence

agcaatgatttcccg~~ggg~~ctcaataatcatgttatgcttttatatgatgggtgtggggctgtgtccattgttctcaaggtgggtgataagtc  
ttaaaggaacattttaaattgcattatgtagctgcatagttcaacataataatatttgcaatgaattagtaattgtggttagtcaaatgcca  
gtgtcaacaatatgaatgtaataaattgtaaatgctttctgtcttatttcagTGTCGAATAAGAATATTATGCTATTG  
GGAGTGACTGGAGCAGGAAAGAGCGCATCAGGAAACACCATCTTGGGTGAAAAC  
AAATTTACAGTAAAACAAAGTTTTTCATCTGTGACCAAAAACACTGTCAACTAGAAAC  
TGGACAGTCAATCACTGTGATCGACACAGTAGGGCTCTCCGAT

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : cas9 target site

### ZKO1167a: 2bp deletion, 7bp insertion

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

WT	AATAAGAATATTATGCTATTGGGAGTGACTGGAGCAGGAAAGAGCG-----CATCAGGAA
ZKO1167a	AATAAGAATATTATGCTATTGGGAGTGACTGGAGCAGGAAAGAGGAAACACCATCAGGAA
	***** . *****
WT	ACACCATCTGGGTGAAAACAAATTTAC
ZKO1167a	ACACCATCTGGGTGAAAACAAATTTAC
	*****

