

ZK0578

Target Position: exon 4

Sense Strand Sequence

caaagttttggtcggttgcaatgaacagcttctgaagggaaagttcaaccaacatgaaaatattttaccatttgctc
acactgaagtggttctaaacgtttataaatttttcttactaaacacaaagcgcacatgttctgagaaatgcttctgttga
aaccagtaaacccttgatttccatattaggaactgaaaatacaatggaaatcaatagctgcttccaaccttctcagtat
atcttcatttggttcaacagaagaaagtagagtaaagtgtgacagaaattctatgttgggtgaactatctttaatatttt
tttctaaatgattataattatttcatctgttatctttacaatttctgagttgaaatatgatgatgatatatgtcttttatcagGT
GGAAGAGAACAGGAGCAGTTTGTTTTTCTTCTTGCTCTTTCTGCGCTTCTTCCCATGACACC
CAATTGGTTCTTGAACGTCACCTCACCAATCCTCAACATCCCCATCCCTATATTCTTCTTTCCAT
CCTCATTGgtgagcattactttactcatgcacttatacatgaatatattttcttggagggtgaataacagtacattgc
agttcttttttctgagcttataaaaaatgaatctgttgcagttgactttaagtaactttaaaactacatgtcagctagca
gtgattagattattagtagactgttggtaaatatctgcttagcagttcagaaatatttggtagactattttattcattaccta
attattgttactctattgtctgtatgcaaatacatattacttatgttatcagtttctcatttggattttaccaataactttct
aacaaaatgttatcagcaactgtttaaactgtatataaactattccataaaaaaaatcctatactcaatacagagtaggg
gtgcaatatcaaaacaaaaagattattgcagaatatggaatgatgttttggggaaattgttgcataatatagcaa
cccaacaaaaatgctgatgttagcacagcactatgaaataatttgggggtgcaacaaaatttgcagtttacaaca
acacctaaatttaagtcaacagaaaactgtgtg

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : cas9 target site

ZK0578a: 49bp deletion

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

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WT          AATTGGTTCTTGAACGTCACCTCACCAATCCTCAACATCCCCATCCCTATATTCTTCTTT
ZK0578a     AATTGGTTCTTGAACGTCACCTCACCAAT-----
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WT          TCCATCCTCATTGGTGAGCATTACTTTACTCATGCACTTATACATGAAT
ZK0578a     -----CATTACTTTACTCATGCACTTATACATGAAT
*****
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