## ZKO674

Target Position: exon 1

Sense Strand Sequence

TGAAGGAGTTTACCGACAGGTTGCATGGCTTACTGGCGCTCGCGACACGTCTCAAGCCACGG
CACGCAACGGAGCGACCAACAAGAGCGCGTTCTTTCAGACTAGGCAGCAGCATCGCTAGAT
GAGCTATCTAGAGACTTGGTGCATCATCCTCTTCACGTTTGTTGCAACGCCAGAGACTTGAGA
CTTCCGAGCAGCGACTGGCTTGAACTCCAGTCGAAGAAGAAGGCGGAGTCTTAACTTATTAA
AAGGAACTCGCCGAAGCTCGGTCGCAAATATGATGATGATGTCTCTGAACAGCAAGCAGGCA
TTCGCCATGCCTCACACCAGTTTGGCCGAACCCAAGTACTCCAGCTTGCATTCCTCGTCCTCCT
CCTCTACTCTGACTTCCAACGCGCCCTCGTCCTCCTGCTCCTCGTCCAGACACAGCAGCACGAT
CAGCAGCAGCGGCGGCGGCAGCTCGGAGGCGATGCGCCGAGCATGTCTCCCAACCCCACCG
GTACGTATTCTGCATAATCACCGCTTAAAGGCACATTTTGACAGCCCACT

Uppercase: Exon/coding sequence
Lowercase: intron/noncoding sequence
atcg : Forward/Reverse primer
atcg : cas9 target site

**ZKO674a: 13bp deletion, 2bp insertion**

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

WT              CGAAGCTCGGTCGCAAATATGATGATGATGTCTCTGAACAGCAAGCAGGCATTCGCCATG
ZKO674a         CGAAGCTCGGTCGCAAATATGATGATGATGTCTCTGA-----------TGATTCGCCATG
                ************************************             **********

WT              CCT
ZKO674a         CCT
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