

ZKO211

Target Position: exon 3

Sense Strand Sequence

GCTAAAGAAGTCGTAGACCCAGGGGTCATCGTCCCGTCAGCAGAGGTCGAGAGACATACTC
TCCAGGCCCTGTTTCTCAGCCGCCCATCAGCGGGGGAACCCGATACCGTGGCAGACCAACAG
CAGCGCCGGTGGGCAAAGCTGTGCAGGAGAAAGA **GGAGCAACCTGAATCAGG**CGGATGCA
ACCATATGTCTGAGAAAATGgtcagtcaatgggatttaattctgccatggaggctcagtggtagctctgtgcctca
cagcaagaagggtgctgtagtctggctctgccagttg **gcatttcttggagttgcatg**

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : cas9 target site

ZKO211a: 2bp deletion

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

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WT          GTGCAGGAGAAAGAGGAGCAACCTGAATCAGGCGGATGCAACCATATGTCTGAGAAAATG
ZKO211a     GTGCAGGAGAAAGAGGAGCAACCTGAAT--GGCGGATGCAACCATATGTCTGAGAAAATG
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