

ZKO452

Target Position: exon 1

Sense Strand Sequence

ACACTACCTTCAGGATCACGTAAAGACGACCAGGGTGTTCGCGAGCCCAGTTTGTGATTGATC
AGCGTGATCTAACGGGTTATTATGGCTTCCAGCTCTGGTAAGATGAACCATCCCCCGGCGGC
AGCGGTGCATGCAAACGGGACTGCTATTGCGGACATCCCCAGTGTGAATGTAGAACAGGAATT
GTATGATTATCAAATGCACACGAAAATGTGCAAGAAAATAGCACAGCTAACCAAGgtaagcgcac
agttttttccctcaagtatcatttaactgtttcctggatatccgatagatagatagatagatagatagata
gatagatagatagatagatagatagatagatagatagatagatagatagatagatagatagatagata
acattacgttacattaatattcatatacttggcactacaagacagttagtgtgtaa

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : cas9 target site

ZKO452a: 5bp deletion

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

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WT          GGTAAGATGAACCATCCCCCGGCGGCAGCGGTGCATGCAACGGGACTGCTATTGCCGAC
ZKO452a     GGTAAGATGAACCATCCCCCGGCGGCAGCGGTGCAT-----GGGACTGCTATTGCCGAC
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ZKO452b: 11bp deletion

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

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WT          GGTAAGATGAACCATCCCCCGGCGGCAGCGGTGCATGCAACGGGACTGCTATTGCCGAC
ZKO452b     GGTAAGATGAACCATCCCCCGGCGGCAGCGGTGCA-----TGCTATTGCCGAC
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WT          AT
ZKO452b     AT
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