

ZKO175

Target Position: exon 2

Sense Strand Sequence

GGTCATATGAGAACGGGAGCTTGAAAGCAGCTCGTCCCATCGGTTTCAGTCTCTTTGAGTCTAC
AGAATTTGTTTGAGAGTGATCCAGAAGTCTTCCAAGGTCCTTCAAGATGTCTCCACCCCTG
AAACTCTGCTGATAATCAAAGATGTCACTATGAAAACAAACACATCTACAGAACCCTTCAAAAT
GGTGAAGGAAGGTGGCACTAAGAGCCTGACTTTCCAAAACCTCCACGACCGATCAAGCCT
TGACCTCTTTTTTAGAGTTCATGGATGGCTCTCCATTGTCTTTTATTGGACTTGAAGATATACAA
TTTGTGGGATAGGAGAGTGGCAGAAAGCTAAATACACACATCATGACAGCCTACGCACAGC
CTACTT

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : cas9 target site

ZKO175a: 2bp deletion, 7 bp insertion

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

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WT          GAGTGATCCAGAAGTCTTCCAAGGTCCTTTCAAGATGTCTCCACCCCTGAAACT
ZKO175a     GAGTGATCCAGAAGTCTTCCAAGGTCCTTTCAAGATGTCTCCACCCCTGAAACT
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WT          CTGCTG
ZKO175a     CTGCTG
*****
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ZKO175b: 54 bp deletion

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

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WT          AGAGTGATCCAGAAGTCTTCCAAGGTCCTTCAAGATGTCTCCACCCCTGAAACTCTGC
ZKO175b     AGAGTGATCCAGAAGTCTTCCAAGGTCCT-----
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WT          TGATAATCAAAGATGTCACTATGAAAACAAACACATCTACAGAACCCTTCAAAATGGTG
ZKO175b     -----AAACAAACACATCTACAGAACCCTTCAAAATGGTG
*****
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