

ZK0434

Target Position: exon 1

Sense Strand Sequence

gaagATGGCGGACTCGGTAGCGGCTGGGCTCGGGGACGAAAACGAGACTGAAAATGAGGAC
AAGGAGAGGGAGAAGCGACTCTTTAGTGGCGTCAAAAAGATGGAGAAACAAGCCGCTGCTT
CAGACGTACAGAAACGCTGGGATTTACGAGAGGAAGGCGAAATGCAAA GACAGAAAGAC
CAATGTGTCAGgtaagagtgacagcggctctgagctctcaaacccacacactgtttatcagcctcgtgagttgttaca
tagcgtgtatgggcaacataataagtacgttaagatttcattgtgctgatttaaacgttacaagaagccaactaatgtctcg
ttaagcagcttattcaatgcttgtttgacacagacacgcataaagctcaaggcatcaataacgttatactgtctgaagcat
catcagcctccggagcgtatttaccttaacgagatcagatagtttggcatctgtggcttt

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : cas9 target site

ZK0434a: 2bp deletion

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

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WT          GCGGAAATGCAAAGACAGAAAGACCAATGTGTTCAGGTAAGAGTGACAGCGGCTCTGAGCT
ZK0434a     GCGGAAATGCAAAGACAGAAAGACCAA--TGTCAGGTAAGAGTGACAGCGGCTCTGAGCT
*****
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ZK0434b: 1bp deletion, 6bp insertion

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

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WT          GCGGAAATGCAAAGACAGAAAGACCAATG----T-GTCAGGTAAGAGTGACAGCGGCTCT
ZK0434b     GCGGAAATGCAAAGACAGAAAGACCAATGGTAATGGTCAGGTAAGAGTGACAGCGGCTCT
***** * *****
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WT          GAGCT
ZK0434b     GAGCT
*****
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