

ZK0844

Target Position: exon 3

Sense Strand Sequence

ttcagATATGACACCAAAGCGTGGCCTCATCACCGACACCTTTAAGGTTGTGAAGAAGGCAAG
GAGAGGAGGCAAGAGAAGCAAGTCTCCTTACCACCGAAAGCAGGTCAGATAGTATTTTGT
CTGTGTGTTAACATGCATCTTTAAGCAGAAATCATTCCATATCACTATGGTCCTAAAGTGTGCAA
ATGCTTTAGAGGCACATGCAACCATGTAATGCATTTATAACCTGTTATTACTGCTCAGAGCCTGA
ACCCCACTGAGTGAAAGAGAAAAAGATATACAGGAGCTGAAGAACTTTGATCTGGATT
GGAAGTTTGGACCATGCACAGgtaaactgtgttttgatttacattgattataataacggcagcatggttgcc
agtggtagcgtgtcgcttcacacaagaaggtcactgattcgagccttgcttggcctgtgtcattct

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : cas9 target site

ZK0844a:5bp deletion

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

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WT          AAAAAGATATACAGGAGCTGAAGAACTTTGATCTGGATTGGAAGTTGGACCATGCACAG
ZK0844a     AAAAAGATATACAGGAGCTGAAGAACTT-----TGGATTGGAAGTTGGACCATGCACAG
*****
*****
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ZK0844b: 26bp deletion, 15bp insertion

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

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WT          AAAAAGATATACAGGAGCTGAAGAACTTTGATCTGGATTGGAAGTTGGACCATGCACAG
ZK0844b     AAAAAGATATACAGGAGCTGAAGAACTTTGGATTGGAACAG-----GTAACAG
*****
***** .**** .*          .*. ****
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WT          GTAAACGTCTGTTTTGATTTACAT
ZK0844b     GTAAACGTCTGTTTTGATTTACAT
*****
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