

ZK0646

Target Position: exon 3

Sense Strand Sequence

gaaagtccgaatgtgtgaatgtaaaaccaactttacctaattgttgcaaagacattttatcctatcccgtttcatagccagc
atgggaaatggcaaattaggctaactgtaaaagtgtgtgtgtttccacagGGGATGAGATGTTCTCAGA
CATCTACAAAATCAAAGAGTCTGAGAATGGAATGATGCTCGAAGTGGAGGGAAAGgtaaatgt
tctttacactaatatataccatttatttttaaatcgttgcaagtgactgccctctatgaacgtacgatgatgacaatc
ttaggacaccttggaggttatggccagtgagaaaaacaactttctgagtgcgtgtcttgggcgactttttttttttg
atatcctaatttttggatcagtactggtgttattaggaatggtttattttacaattttctatcaaacagttcttttgccatgaa
caagtgacatcagcttaatttttctttctttttcctcagATGATCACCAGAGCAGAAGGA**GACATTGATGA**
TGCCCTGATTGGTGGCAATGCGTCAGCAGAAGTTGCGGATGAGGGCTGTGACAGCACTTCTG
TCAGCGGTGTGGACATAGTCCCTCAACCACAACTTCAGGAGACCTCCTACGACAAGAAGTCTT
ACACAGCCTACATCAAAGACTACATGAAGG**Cgtgagtatgatgtcaacaggca**

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : cas9 target site

ZK0646a: 1bp insertion

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

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WT          ACCAGAGCAGAAGGAGACATTGATGATGCCCTGATTGGTGGCAATGCGTCAGCAGAAGT
ZK0646a     ACCAGAGCAGAAGGAGACATTGATGATGCCCTGATTGGTGGCAATGCGTCAGCAGAAGT
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ZK0646b: 1bp deletion

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

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WT          TCACCAGAGCAGAAGGAGACATTGATGATGCCCTGATTGGTGGCAATGCGTCAGCAGAAG
ZK0646b     TCACCAGAGCAGAAGGAGACATTGATGATG-CCTGATTGGTGGCAATGCGTCAGCAGAAG
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