

ZK0625

Target position: exon 8

Sense Strand Sequence

ctcatcacatttcatttgctaatgaacattttgagctttaatgtaaagtcattgaaacaggagaatcactaaatttacttt
ttttgttggtactacactgcttgcctctgaaattttattgctcttatttttcattaagGTGGTAGATCTTTTGATGAC
AATGATCTTATTGATGTCAGTGAGCGAGGTGGATATAAACCCGATGGAGGCGGCAGTAGAGgt
ttgattgatttatttattgtaccataccgccctcattactactgcattataagaaaaagaaaacacaatgtacagtcggaagt
gtaacatgcattcataacattttttgtgtgacgctactttgaatgagtcgatttactatacataaacggcaactgcgttc
atgaaagacatggattctatgaggataaacaagagaccaagggtctattatcacacccacgcaatgtg

Uppercase:Exon/coding sequence

Lowercase:intron/noncoding sequence

atcg:Forward/Reverse primer

atcg:cas9 target site

ZK0625a:4 bp deletion

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

```
WT          TGTCAGTGAGCGAGGTGGATATAAACCCGATGGAGGCGGCAGTAGAGGTTTGATTGATTT
ZK0625a     TGTCAGTGAGCGAGGTGGATATAAACCC----GAGGCGGCAGTAGAGGTTTGATTGATTT
*****
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ZK0625b:4bp deletion,5bp insertion

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

```
WT          TTGATGTCAGTGAGCGAGGTGGATATAAACCCGA-TGGAGGCGGCAGTAGAGGTTTGATT
ZK0625b     TTGATGTCAGTGAGCGAGGTGGATATAAACTCTACTGGAGGCGGCAGTAGAGGTTTGATT
*****
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