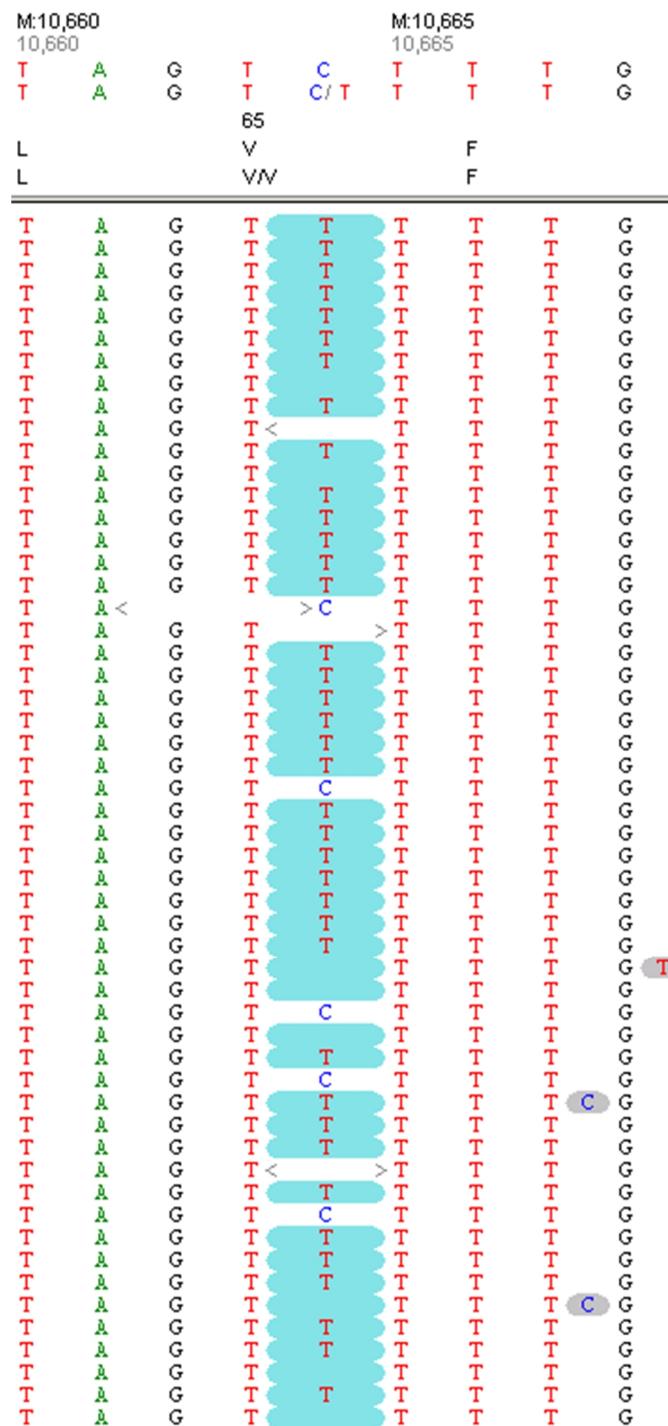
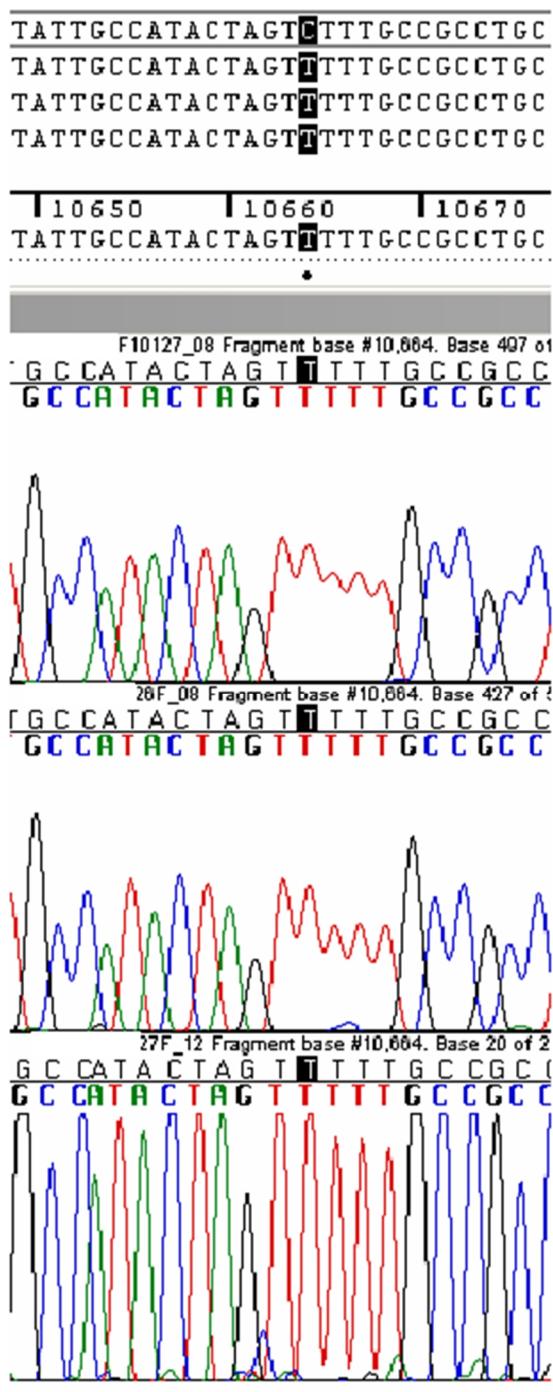


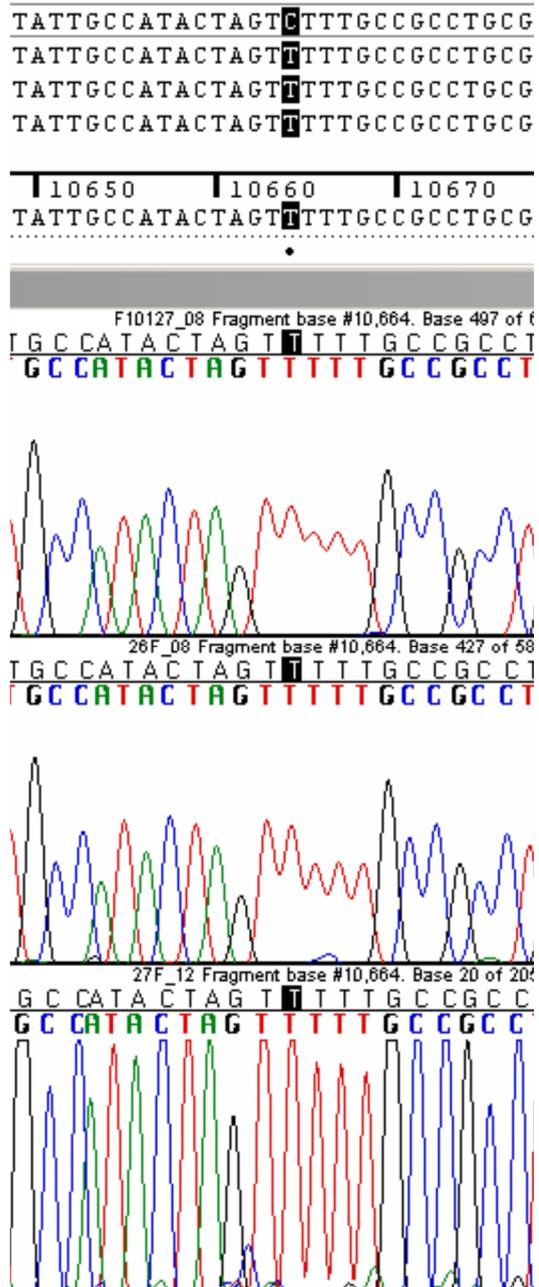
Figure S5 – 10664T results STS, NextGENe

WGS02 100bp chemistry

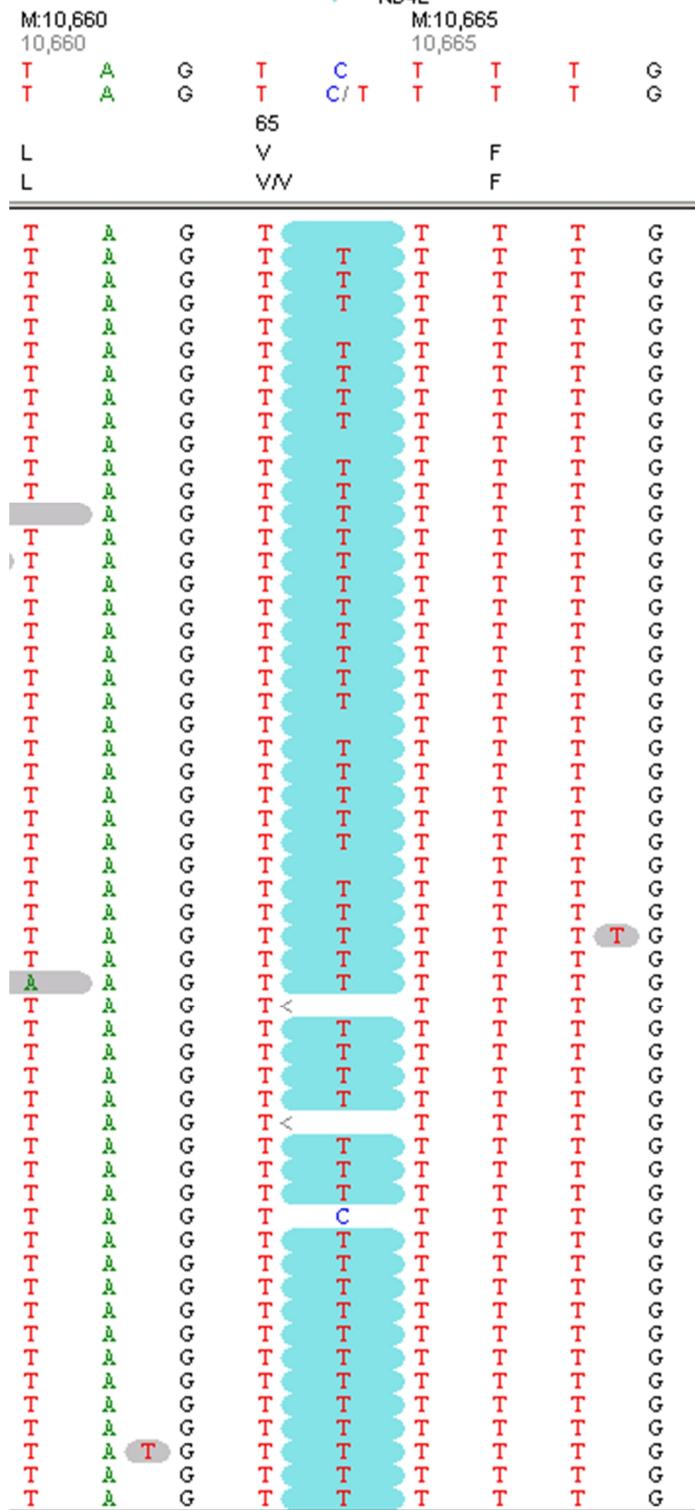
NextGENe CV 161 (67%T, 23%C)



WGS02 200bp chemistry

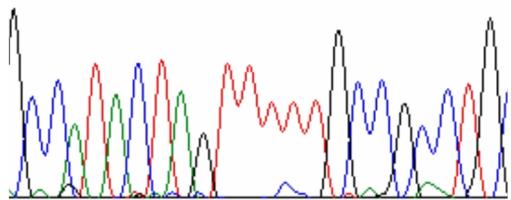
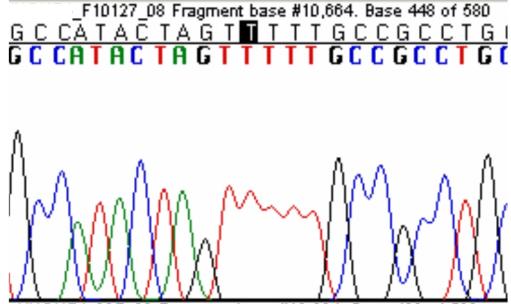


NextGENe CV 367 (72%T, 22%C, DEL:6%)



WGS04 100bp chemistry

ATTGCCATACTAGT~~T~~TTTGCCGCGCTGCGAA
ATTGCCATACTAGT~~T~~TTTGCCGCGCTGCGAA
ATTGCCATACTAGT~~T~~TTTGCCGCGCTGCGAA
10650 10660 10670
ATTGCCATACTAGT~~T~~TTTGCCGCGCTGCGAA

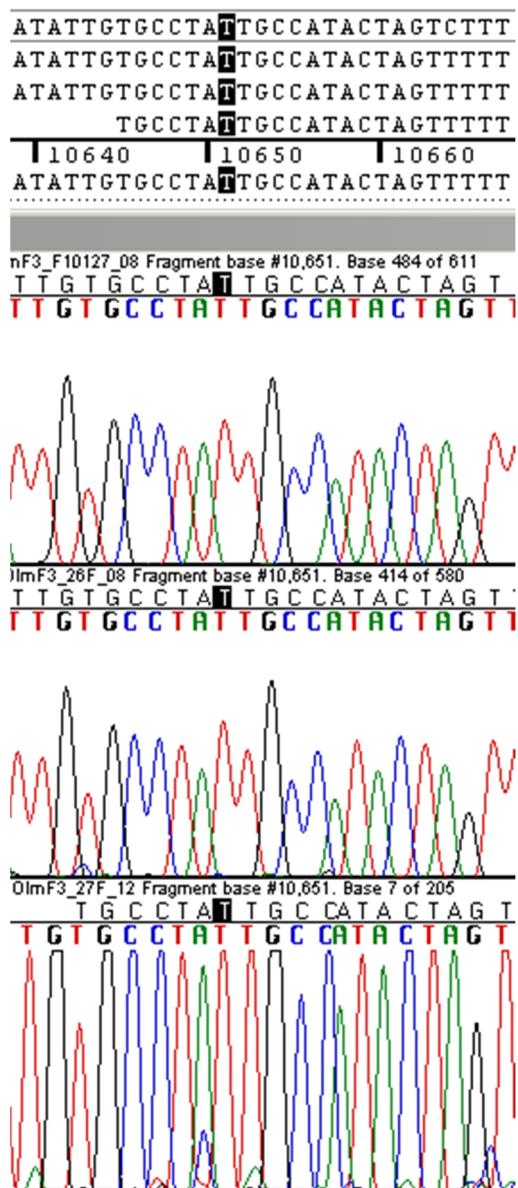


NextGENe CV 324 (64%T, 28%C, DEL:8%)

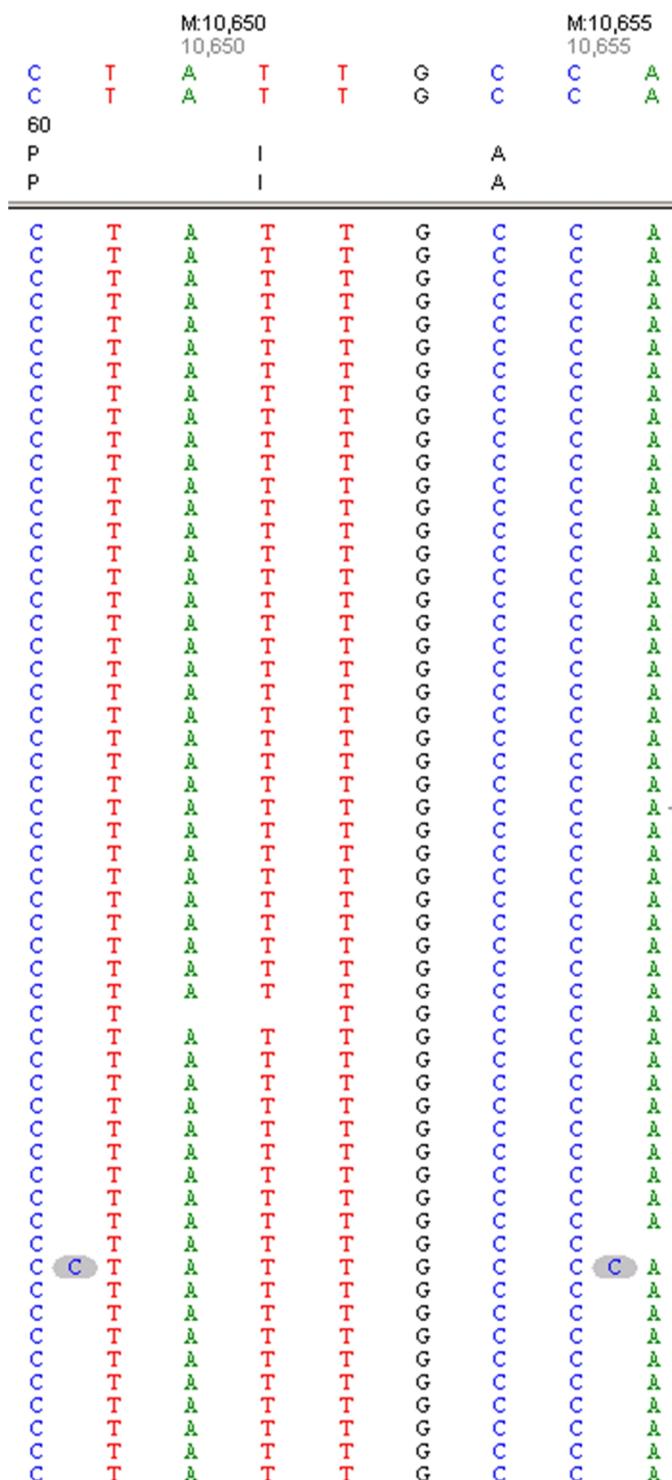
The figure displays a genomic DNA sequence with two parallel strands. The top strand is labeled "M:10,660" and the bottom strand "10,660". A red arrow points to a "G" nucleotide at position 65 on the bottom strand, indicating a mutation to a "T" nucleotide. The sequence consists of alternating "A", "G", "T", and "C" bases. Several blue shaded regions highlight specific segments of the sequence.

10651T results STS, NextGENe

WGS02 100bp chemistry



NextGENe CV 136 (100%T)



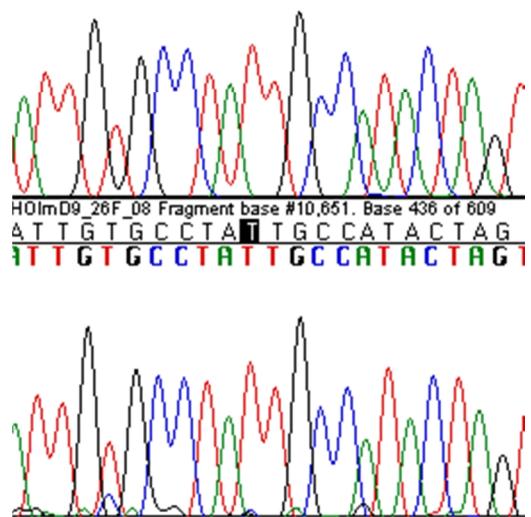
WGS05 100bp chemistry

```

AATATTGTGCCTATGCCATACTAGTCTT
AATATTGTGCCTATGCCATACTAGTTTT
AATATTGTGCCTATGCCATACTAGTTTT
    10640      10650      10660
AATATTGTGCCTATGCCATACTAGTTTT

```

01mD9_F10127_08 Fragment base #10,651. Base 485 of 560
AT T G T G C C T A T T G C C A T A C T A G T
A T T G T G C C T A T T G C C A T A C T A G T



NextGENe CV 178 (100%T)

The figure displays a genomic sequence alignment between two DNA molecules, M:10,650 and M:10,655. The top row shows the sequence for M:10,650, which consists of alternating A and T bases. The bottom row shows the sequence for M:10,655, which also consists of alternating A and T bases but includes a large insertion of G's starting at the 10th position. The insertion is highlighted by a grey shaded region. Several blue circles with arrows point to specific positions within this insertion, indicating points of interest or mutation sites. The labels 'C' and 'G' are placed near some of these circles.