

**RIKEN clone ID: IRAL006M04**

Vector : pOTB7

Gene	SSBP4	
Accession No.	BC000274.1	1724 bp
	<i>CDS</i>	1158 bp
		221..1378

● Plasmid DNA purification

Date : 100809 Culture : LB (25 ug/ml Chloramphenicol) 10 ml →37°C O/N

Date : 100810 Purification : QIAGEN Miniprep kit→dH<sub>2</sub>O 100 ul

● Digestion by restriction enzyme / Concentration calibration

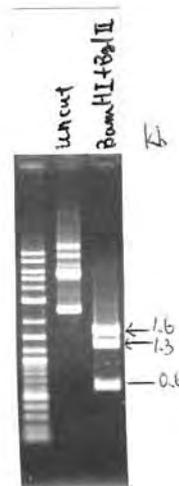
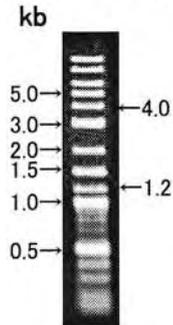
Date : 100810

DNA concentration (O.D.): 282.83 ng/ul

DNA	1 ul
Enzyme (BamHI+Bgl II)	0.5+0.5 ul
Buffer H	1 ul
dH <sub>2</sub> O	7 ul
<b>Total</b>	<b>10 ul</b>

Electrophoresis: 1% agarose gel, 1 × TAE Buffer

Marker: 2-Log DNA Ladder (NEB#N3200L)



<Expected digestion pattern from BC000274.1>

1615, 1294, 616 bp.....

● Adjust plasmid DNA solution to 25 ng/ul ~preparation for shipping~

Date : 100812 Shipped : 25 ng/ul, 40 ul

Final concentration: 25 ng/ul

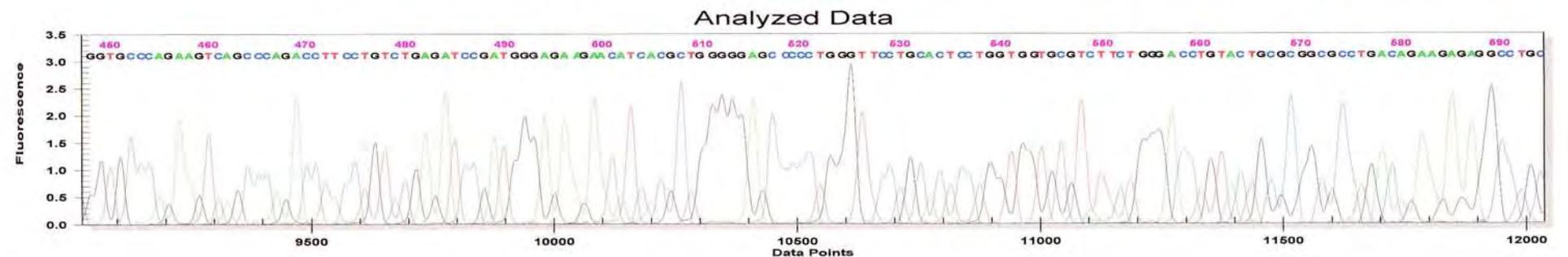
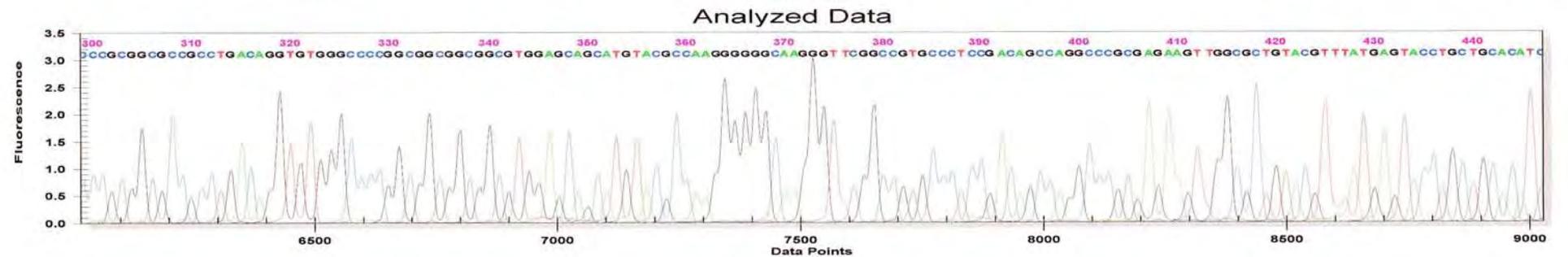
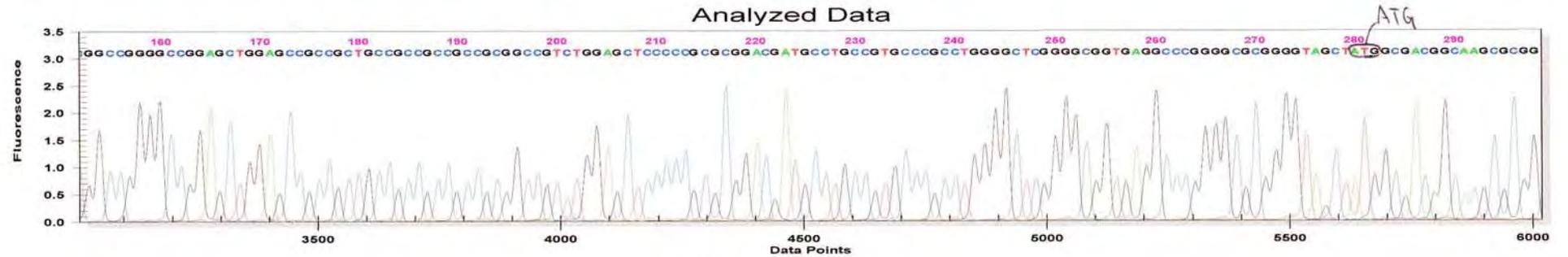
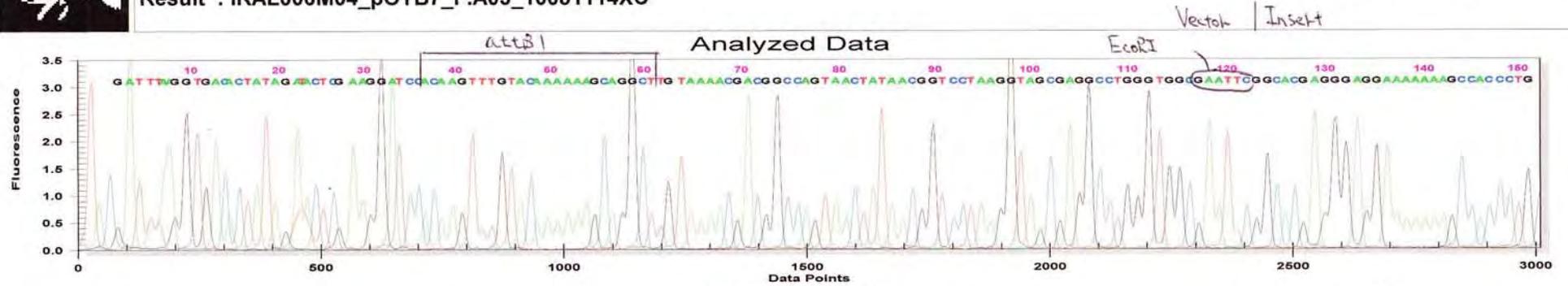
DNA ( <u>282.83</u> ng/ul)	80 ul
10 × TE	40.5 ul
dH <sub>2</sub> O	734.6 ul
<b>Total</b>	<b>905.1 ul</b>



Project : GNP  
 Sample : IRAL006M04\_pOTB7\_F.A03\_10081114XC  
 Result : IRAL006M04\_pOTB7\_F.A03\_10081114XC

System : CEQ System

Operator : 2.100811.furu  
 Instrument : CEQ System (Ver. 9.0.25)

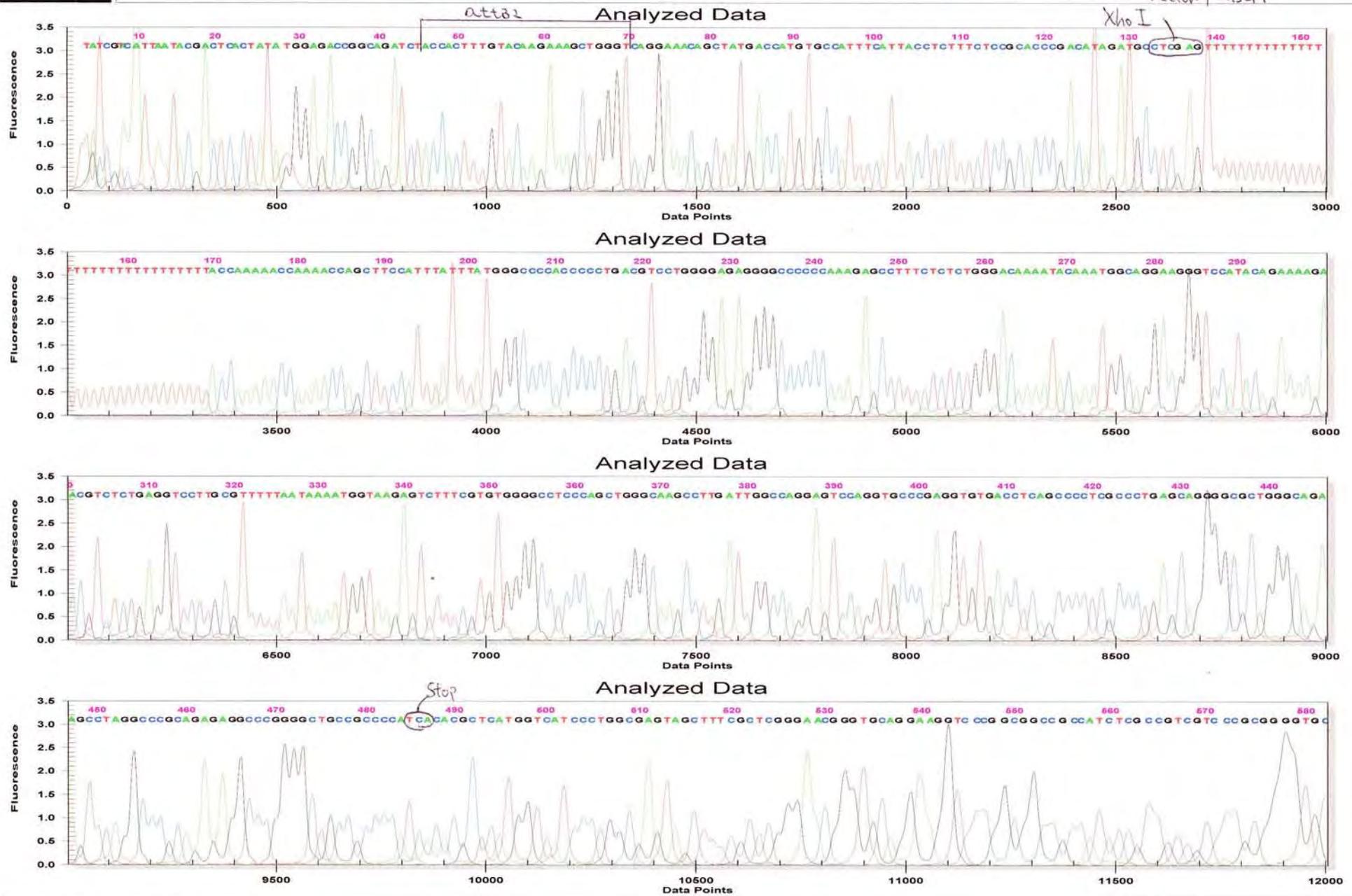




Project : GNP  
Sample : IRAL006M04\_pOTB7\_R.B03\_10081114XC  
Result : IRAL006M04\_pOTB7\_R.B03\_10081114XC

System : CEQ System

Operator : 2.100811.furu  
Instrument : CEQ System (Ver. 9.0.25)



[ GENETYX : Nucleotide Sequence Homology Data ]

Date : 2010.08.11

1st Nucleotide Sequence

File Name : BC000274.1.gnu  
Sequence Size : 1724

2nd Nucleotide Sequence

File Name : IRAL006M04\_pOTB7\_F.A03\_10081114XC.fasta  
Sequence Size : 711

Unit Size to Compare = 6  
Pick up Location No. = 1

[ 577 / 580 bp] INT/OPT.Score : < 1924/ 2292 >

1' GAGGAAAAAA AGCCACCCCTG CCGCCGGGGC CCGAGCTGGA GCGCCGCTG  
121" CCGCAGCAGG GAGGAAAAAA AGCCACCCCTG CCGCCGGGGC CCGAGCTGGA GCGCCGCTG  
51' CCGCCGCGCG CCGCCGCGCG TGGAGCTCCC CCGCCGGGAC GATGCCTGCC GTGCCCGCCT  
181" CCGCCGCGCG CCGCCGCGCG TGGAGCTCCC CCGCCGGGAC GATGCCTGCC GTGCCCGCCT  
111' GCGGCTCGGG GCGGTGAGGC CCGGGGCGCG GGGTAGCTAT GCGGACGGCA AGCGCGGCCC  
241" GCGGCTCGGG GCGGTGAGGC CCGGGGCGCG GGGTAGCTAT GCGGACGGCA AGCGCGGCCC  
171' GCGGCGCGCG CTGACAGGTG TGGGCCCGCG CCGCGCGCGG GTGGAGCAGC ATGTACGCCA  
301" GCGGCGCGCG CTGACAGGTG TGGGCCCGCG CCGCGCGCGG GTGGAGCAGC ATGTACGCCA  
231' AGGGGGGCAA GGGTTCGGCC GTGCCCTCCG ACAGCCAGGC CCGCGAGAAG TTGGCGCTGT  
361" AGGGGGGCAA GGGTTCGGCC GTGCCCTCCG ACAGCCAGGC CCGCGAGAAG TTGGCGCTGT  
291' ACGTTTATGA GTACCTGCTG CACATCGGTG CCCAGAAATG AGCCAGAGCC TTCCCTGTCTG  
421" ACGTTTATGA GTACCTGCTG CACATCGGTG CCCAGAAATG AGCCAGAGCC TTCCCTGTCTG  
351' AGATCCGATG GGAGAAGAAC ATCAGGCTGG GGGAGCCCCC TGGGTTCTTG CACTCTGTGT  
481" AGATCCGATG GGAGAAGAAC ATCAGGCTGG GGGAGCCCCC TGGGTTCTTG CACTCTGTGT  
411' GGTGCGTCTT CTGGGACCTG TACTGCGCGG CGCCTGACAG AAGAGAGGCC TGCGAGCACT  
541" GGTGCGTCTT CTGGGACCTG TACTGCGCGG CGCCTGACAG AAGAGAGGCC TGCGAGCACT  
471' CCGGCGAGG- CCAAGGCCTT CCAGGACTAT AGTGTGCGAG CCGCCCCCAG CCCCCTTATG  
601" CCGGCGAGG CCAAGGCCTT CCAGGACTAT AGTGTGCGAG CCGCCCCCAG CCCCCTTATG  
530' GGGAGTATGG CCCAGGTGA CACAATGGCC GCAGSCTCCA TGGCGGCTGG CTCTCTCCAG  
661" GGGAGTATGG CCCAGGTGA CACAATGGCC GCAAGCTCCA TGGCGGCTGG G

1st Nucleotide Sequence

File Name : BC000274.1.gnu  
Sequence Size : 1724

2nd Nucleotide Sequence

File Name : IRAL006M04\_pOTB7\_R.B03\_10081114XC.fasta (Complementary)  
Sequence Size : 702

Unit Size to Compare = 6  
Pick up Location No. = 1

[ 561 / 564 bp] INT/OPT.Score : < 2092/ 2218 >

1141' CCGCCCTGGC CCGGAGGGCC CCATGGCCGC CATGAGCGCG AT-GGAGCCT CACCACGTGA  
1" AATGCCCGC CATGAGCGCG ATGGGAGCCT CACCACGTGA  
1200' AC-GGATCCC TGGGCTCGGG CGACATGGAC GGGTTGCCGA AGAGTTCCCC CCGCGCCGTTG  
40" ACGGGATCCC TGGGCTCGGG CGACATGGAC GGGTTGCCGA AGAGTTCCCC CCGCGCCGTTG  
1259' GCGCGCCTGA GCAACGCCCC GGGCACCCCG CCGGACGACG GCGAGATGCC GCGCGCCGGG  
100" GCGCGCCTGA GCAACGCCCC GGGCACCCCG CCGGACGACG GCGAGATGCC GCGCGCCGGG  
1319' ACCTTCTGCG ACCCGTTCCC GAGCGAAAAG TACTCGCCAG GGATGACCAT GAGCGTGTGA  
160" ACCTTCTGCG ACCCGTTCCC GAGCGAAAAG TACTCGCCAG GGATGACCAT GAGCGTGTGA  
1379' TGGGCGGCA GCCCGGGCC TCTCTGCGGG CCTAGGCTTC TGCCAGCGC CCCTGCTCAG  
220" TGGGCGGCA GCCCGGGCC TCTCTGCGGG CCTAGGCTTC TGCCAGCGC CCCTGCTCAG  
1439' GCGGAGGGG TGAGGTACA CCTCGGGCAC CTGGACTCTT GGCCAATCAA GCGTTGCCCA  
280" GCGGAGGGG TGAGGTACA CCTCGGGCAC CTGGACTCTT GGCCAATCAA GCGTTGCCCA  
1499' GCTGGGAGG CCCACACGAA AGACTCTTAC CATTTEATTA AAAACGCAAG GACCTCAGAG  
340" GCTGGGAGG CCCACACGAA AGACTCTTAC CATTTEATTA AAAACGCAAG GACCTCAGAG  
1559' ACGTTCTTTT GTGATGGAC CCTTCTGCCC ATTTGTATTT TGTCCCAGAG AGAAAAGGCTC  
400" ACGTTCTTTT GTGATGGAC CCTTCTGCCC ATTTGTATTT TGTCCCAGAG AGAAAAGGCTC  
1619' TTTGGGGGGC CCTCTCCCC AGGACSTCAG GGGGTGGGGC CCATAAATAA ATGGAAGCTG  
460" TTTGGGGGGC CCTCTCCCC AGGACSTCAG GGGGTGGGGC CCATAAATAA ATGGAAGCTG  
1679' GTTTTGGTTT TTGGTAAAAA AAAAAAAAAA AAAAAAAAAA AAAAAA  
520" GTTTTGGTTT TTGGTAAAAA AAAAAAAAAA AAAAAAAAAA AAAAAACTCG AGGCATCTAT