

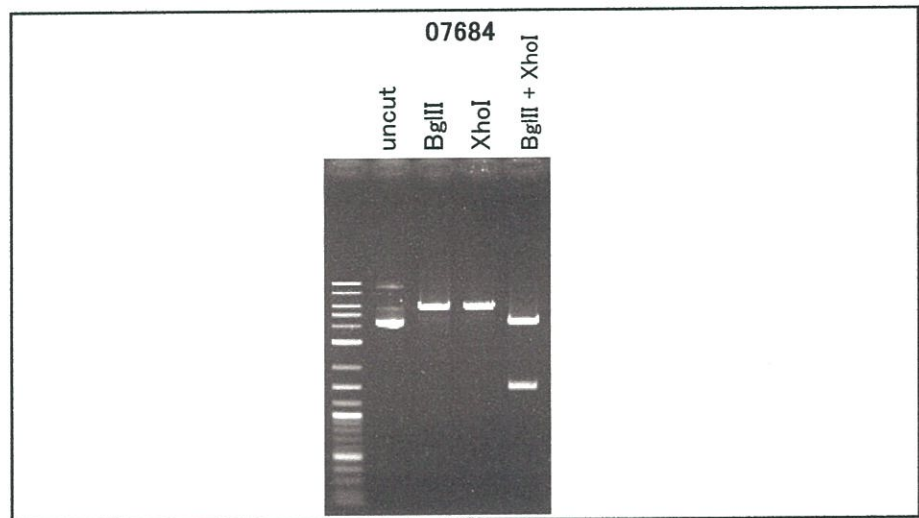
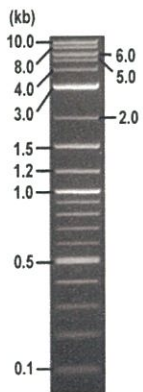


**RIKEN DNA BANK**

clone name : pGL4-phAPOA1

- Clone ID : RDB \_ 07684
- Lot : 07684 \_ A7Eo
- DNA Concentration : 25 nanogram/microliter
- Volume : 40 microliter
- Form : DNA solution in TE buffer
- Host : DH5 alpha
- Culture : LB medium
- Antibiotics : 100 microgram/ml Ampicillin
- Purification : QIAGEN QIAprep Spin Miniprep kit
- Digestion by restriction enzyme

2-Log DNA Ladder  
(NEB#N3200L),  
125 ng/well



Electrophoresis : 100 nanogram DNA per lane ; 1% agarose gel , 1 x TAE Buffer

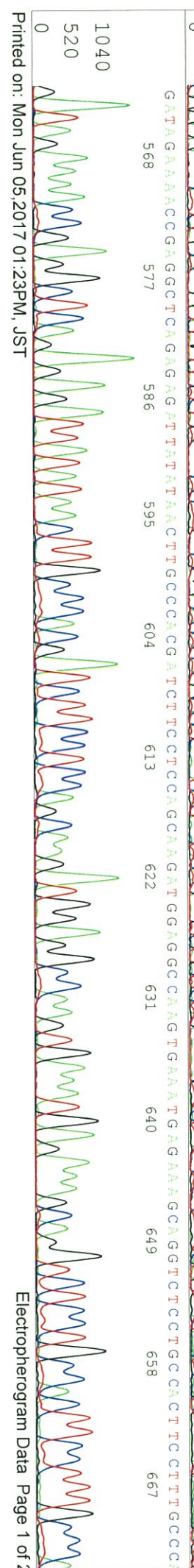
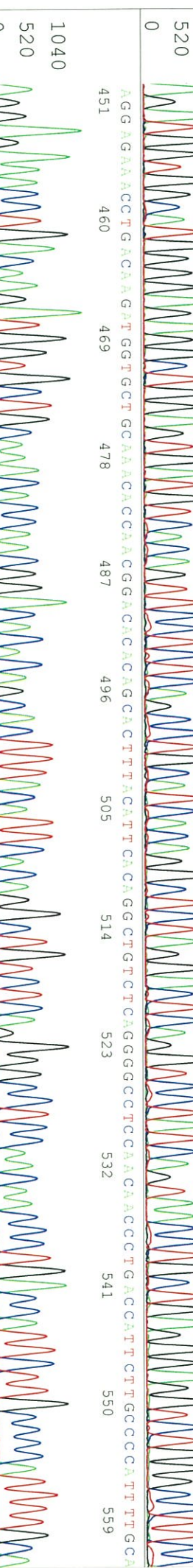
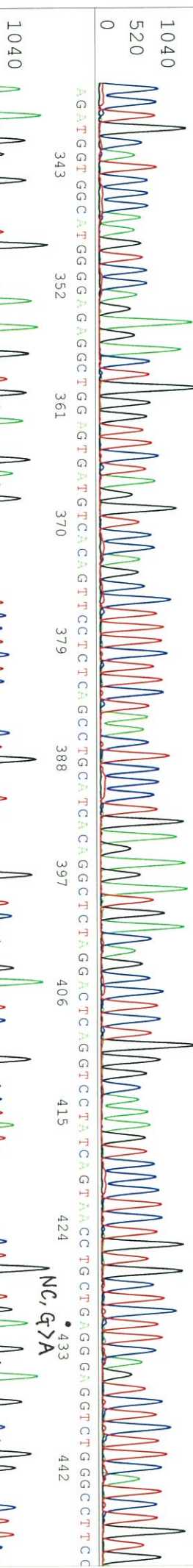
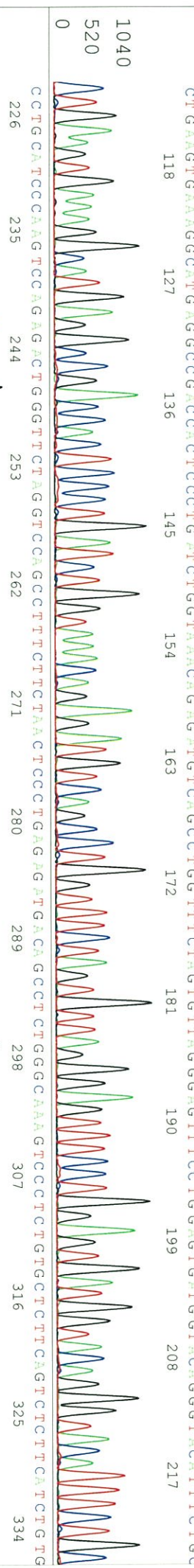
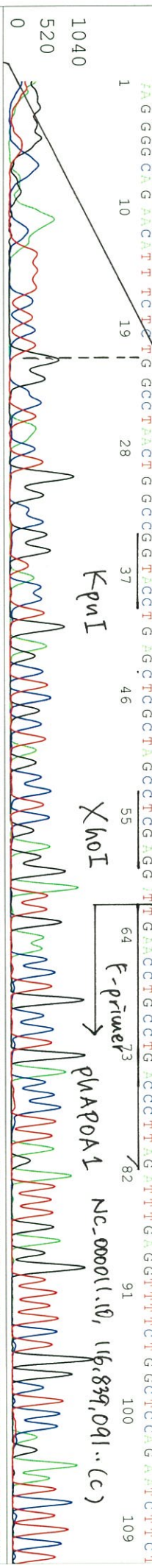
Restriction enzyme	Expected size of fragment
<u>BglII</u>	<u>5.7</u> kbp
<u>XhoI</u>	<u>5.7</u> kbp
<u>BglII + XhoI</u>	<u>4.2, 1.5</u> kbp
	kbp
	kbp

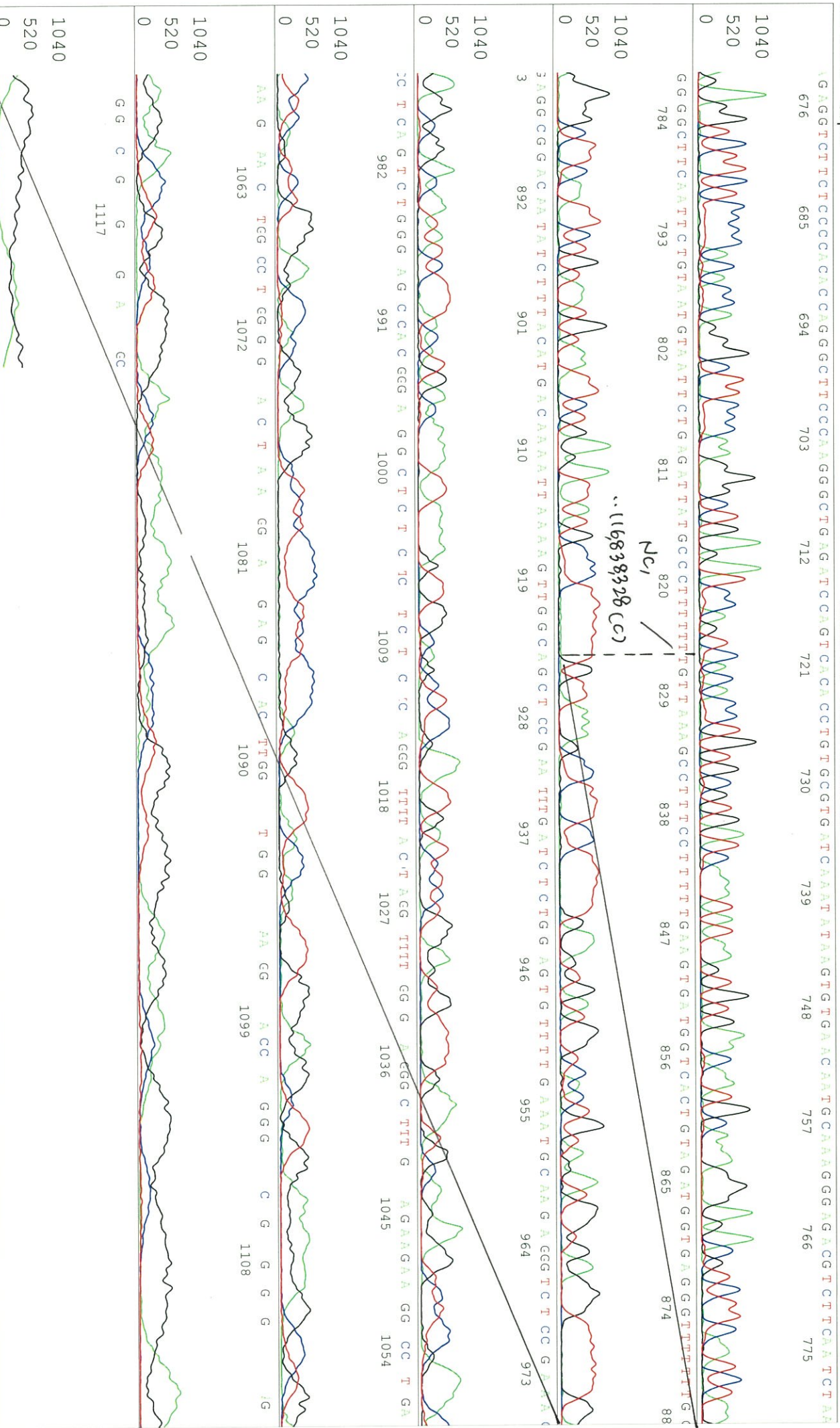
● Confirmation of the insertion sequence

Sequence name	Primer name	Sequence name	Primer name
Sequence - A	pGL4-4174F	Sequence - E	-
Sequence - B	pGL4-136R	Sequence - F	-
Sequence - C	pAxCALNL_F1	Sequence - G	-
Sequence - D	-	Sequence - H	-



APPROVED BY :



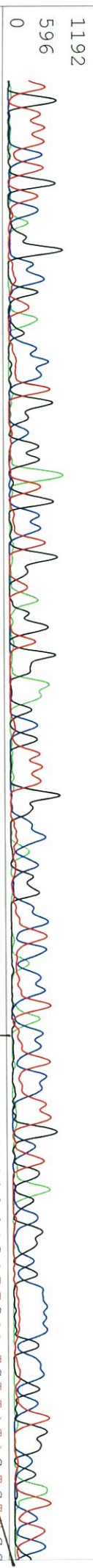






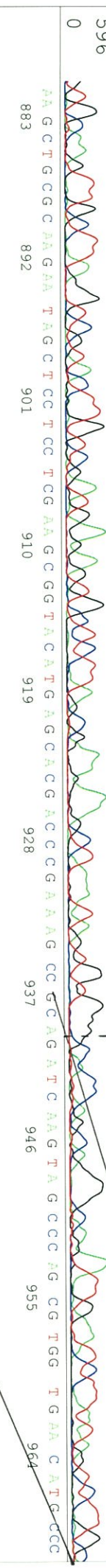


TGTTTCTGTCAAGGCCGTAGCCCTGGCCGATGCCCTGGTAGGTGGAAAGCGTTTGGCCACCGGCCCTCACCTAACCTCTCTTGCTGAGCGCGGCCCCCGCTGGGATCTC  
676 685 694 703 712 721 730 739 748 757 766 775

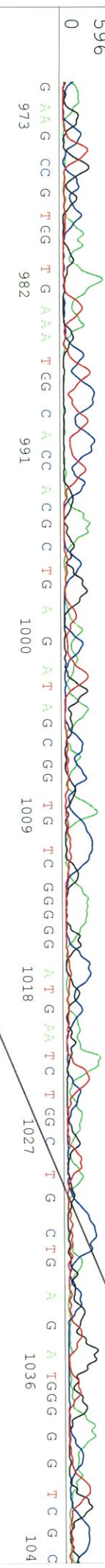


GTCGAAGTTGCTTAGGTTCCGTA CTTGTCGATGAGAGTGCTTAAGCGAAGAA GCTAAA TAGTG TGGGCCACCAGCAGGC CAGATTGAA TCTATAGTCTTGC  
784 793 802 811 820 829 838 847 856 865 874

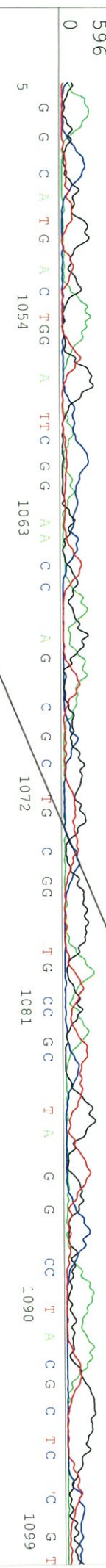
(uciferase ← |



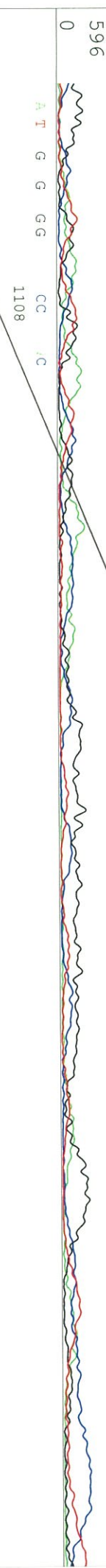
AA GCTGGCCGAA GAA TAGCTCC TCC TCGAA GCGGTACATGAGCAACGACCCGAAAG CCGCAGATCAAAGTA GCGCCAGCG TGG TGAATGATGCGC  
883 892 901 910 919 928 937 946 955 964



G AAGCCGTGG TGA AAA TGG C ACCACGC TGA GATAGCGG TGTCGGGG ATGAAATCTGGCTGTGCTGAGATGGG GGTCTCGC  
973 982 991 1000 1009 1018 1027 1036 1044



G G C A T G A C TGG A TTC G G AA C C AG C G C TG C GG TGC CC GC TA G G CC T A C G C T C C G T  
1054 1063 1072 1081 1090 1099



A T G G G G CC AC  
1108



1192