

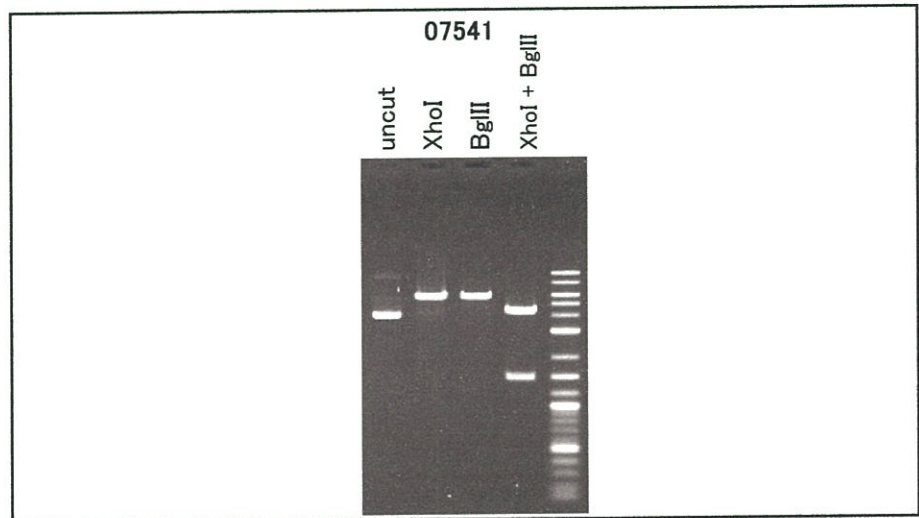


RIKEN DNA BANK

clone name : pGL4-phCYP1A1

- Clone ID : RDB _ 07541
- Lot : 15081 _ A7Et
- 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>XhoI</u>	<u>5.7</u> kbp
<u>BglII</u>	<u>5.7</u> kbp
<u>XhoI + BglII</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 :



S/N G:273 A:286 T:278 C:578

primer name A : pGL4-4174F

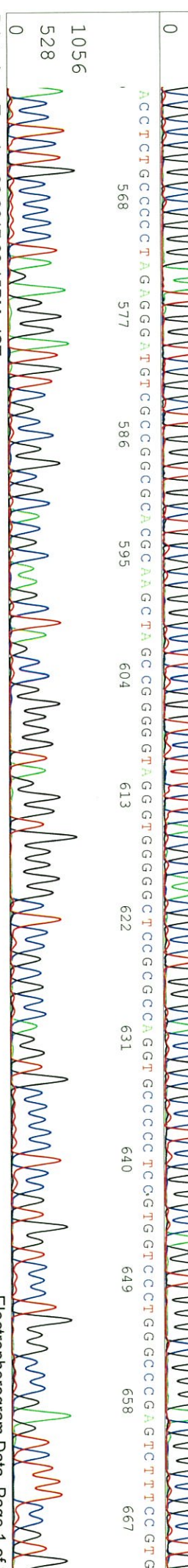
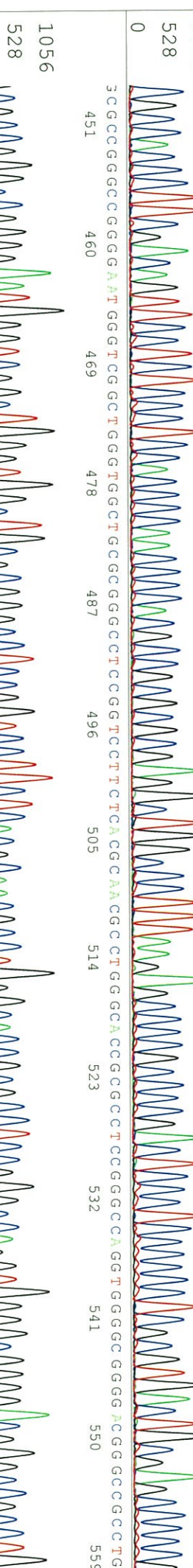
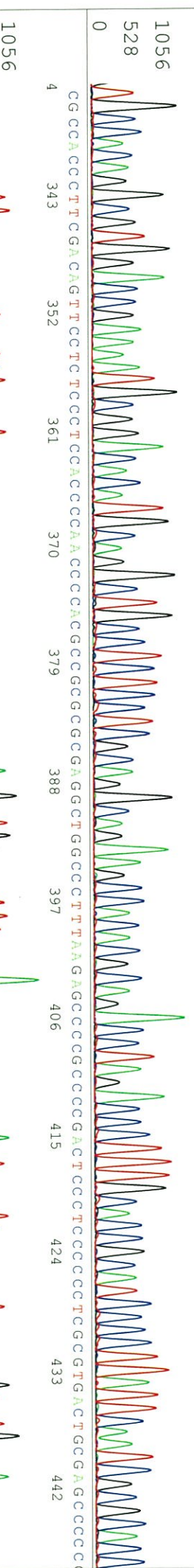
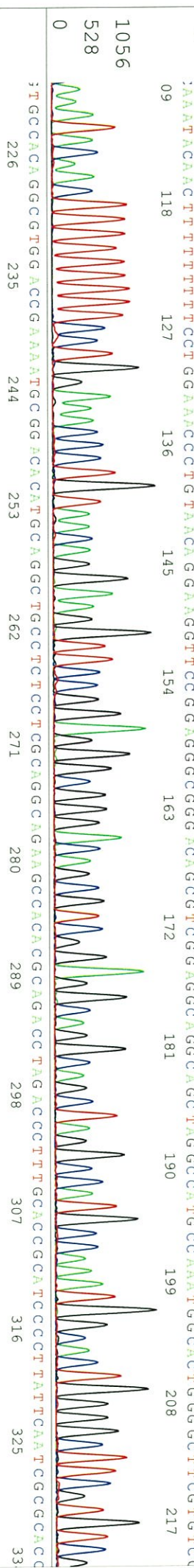
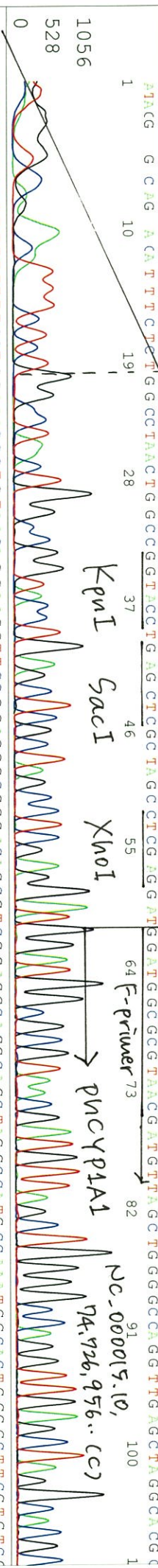
KB.bcp

5'-TAGCAAAATAGGCTGTCCCC-3'

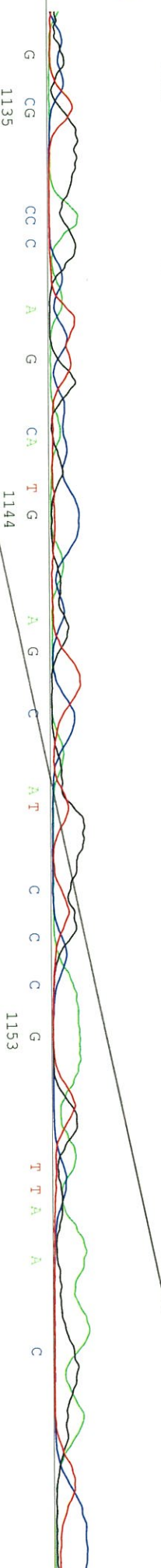
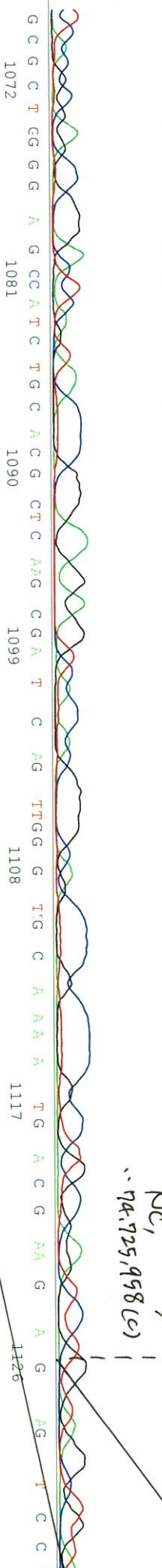
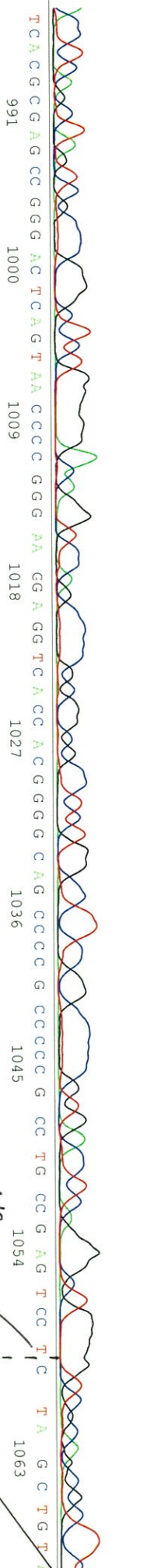
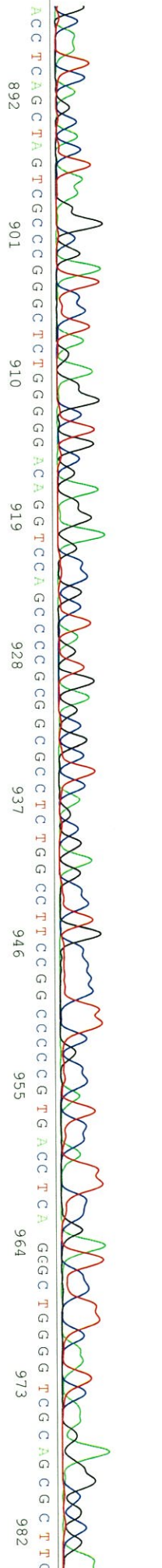
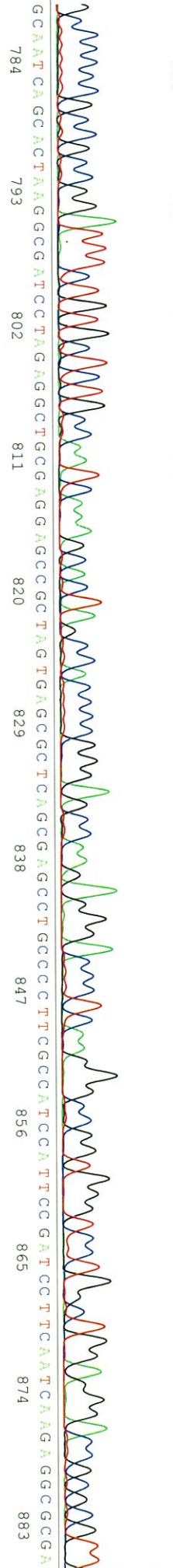
KB 1.4.1.8 Cap:17

Version 6.0 HISQV Bases: 1000

Plate Name: 20170606_dhbank



G C C C C C C C C C C G C C C C G G A T T T C T G T G C T T C C C A A T C A A A G C A C T A G C C C A C C C C G G G A G C C A A G A G G G A C C C T C A A G G G C C C G T G G G T C C T G G C T G A G G G A C C G C G T T



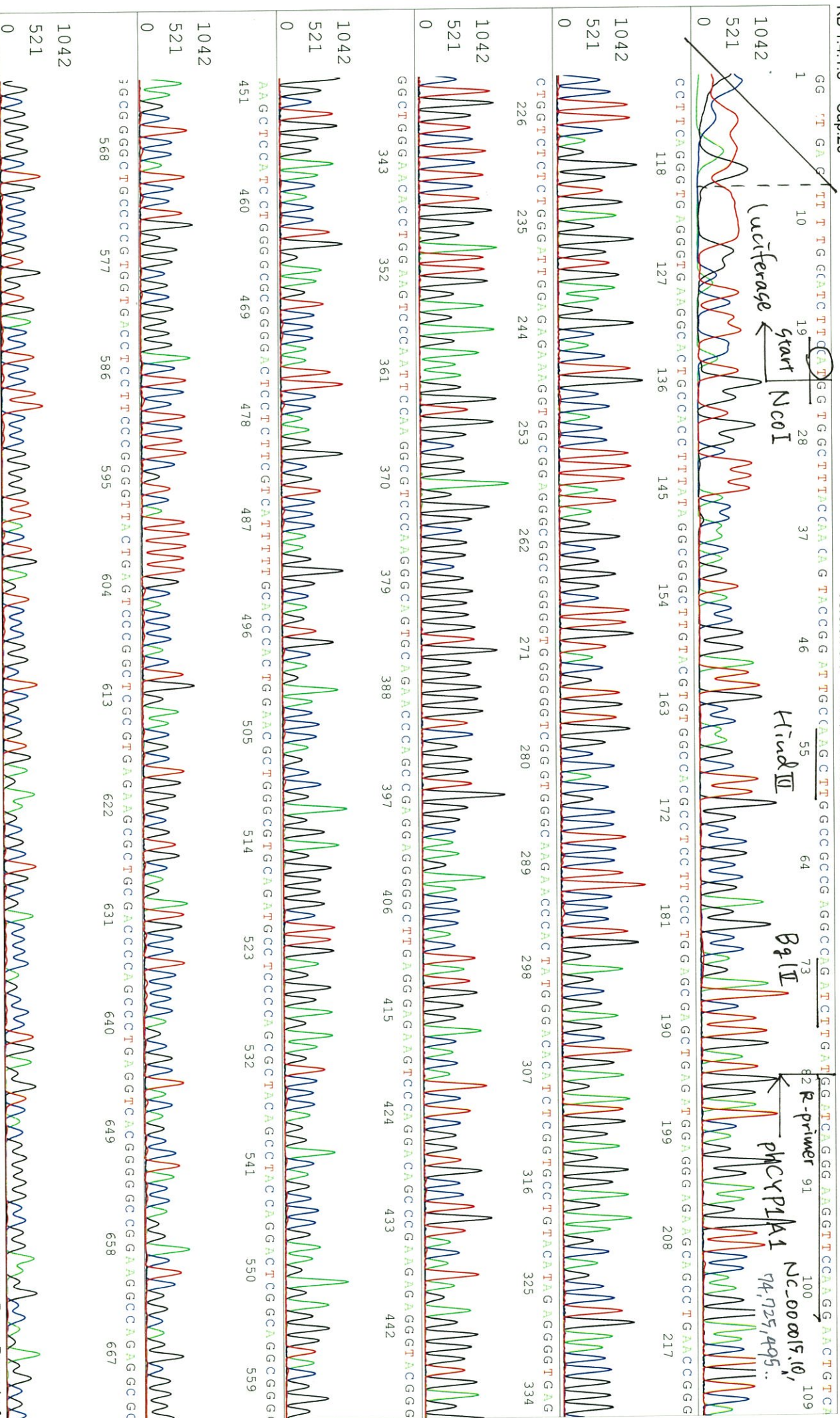
S/N G:229 A:230 T:190 C:314

primer name **g** : pGL4-136R

KB.bcp

5'-CTTCGAGTGGGTAAGATGGC-3'

KB 1.4.1.8 Cap:20



CGCGGGGCTGGACCTGTCCCCCAAGACCCGGGGGACTAGCTGAGGTCCGGCCCTTGATTGAAGGATCGGAGTGGGCAAGGGGCAAGCTCCGCTGAGCGCTCAC

784 793 802 811 820 829 838 847 856 865 874 883
TAGCGGCTCCTCGGAGCCCTCTAGGATCGCCCTTAGTGCCTGATTGCCAACGGCCGGTCCCTCCAGCCAGGACCACAAGGCGCCCTTGAGGGTCCCCTCTGGCTCCCGGG

892 901 910 919 928 937 946 955 964 973 982
TGGCTAGTGTCTTGTGATGGCAAGACACAGAAATCCGGCGGGGGGGCCACCGGAAAAGACTCCGGGCCCAAGGACCAAGGACCGGAGGGGGGCACTGGCGCG

NC, /
.. 924, 926, 945

991 1000 1009 1018 1027 1036 1045 1054 1063
AGCCCCAACCTACCCCGGGCTAGCTTTGGCTGGCGCCCGCGACATCCCCTCTAGGGGCAGAGTCAAGGCAGGCCCCTCCCGG

1072 1081 1090 1099 1108 1117 1126
ATCA CCGGAGGGCGCGGATGCGCAAGCCGATGGAGAGGGAGGGAGCCCGCCAGAG

1135
ACCCAGGCCTCGGAA



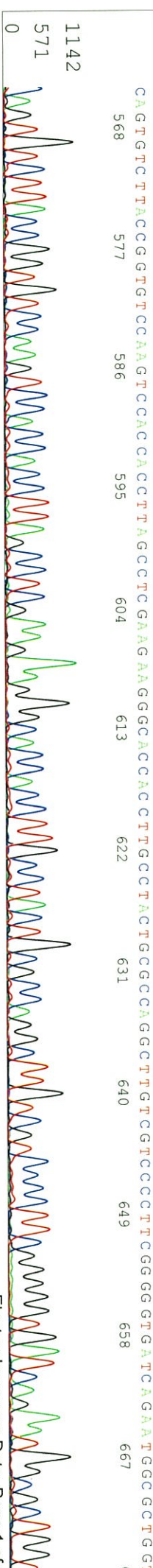
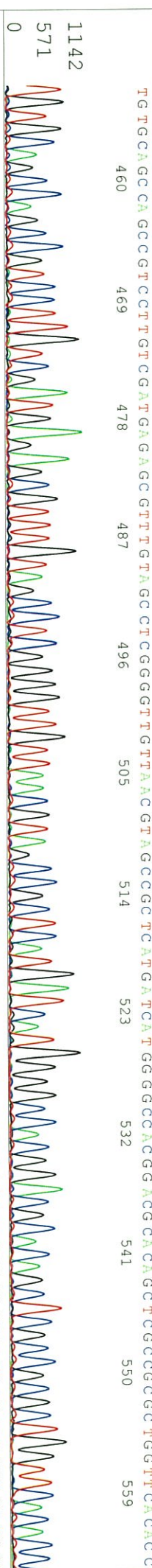
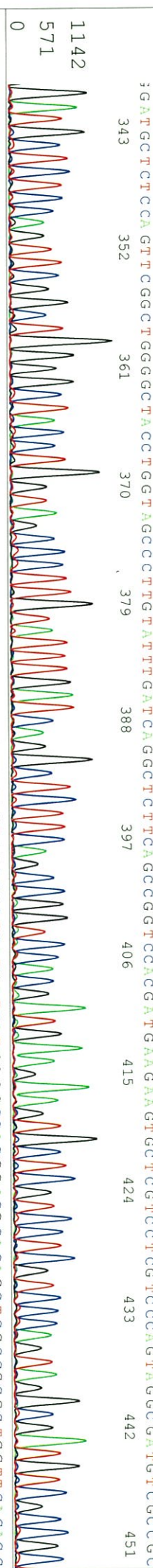
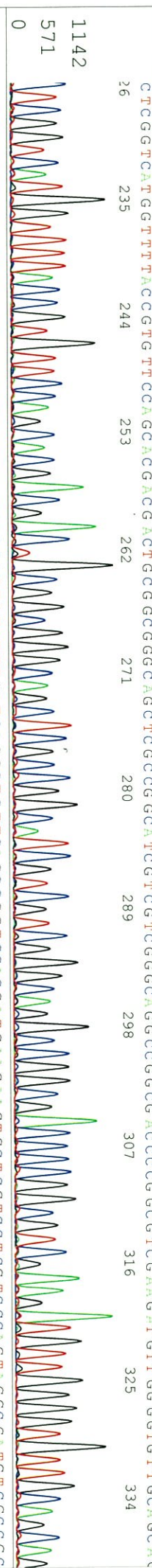
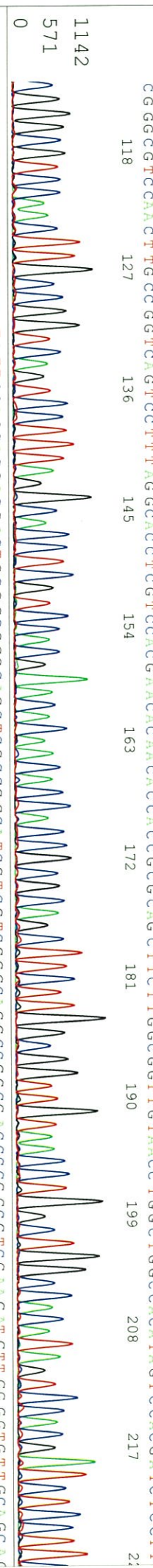
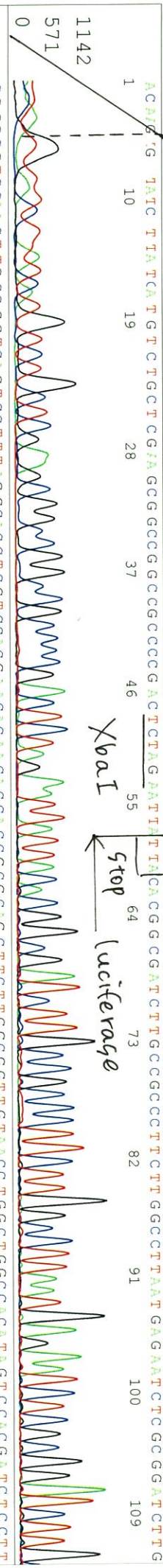
S/N G:178 A:171 T:224 C:31' primer name C : paxCALNL_F1

KB.bcp

KB 1.4.1.8 Cap.23

5'-CACTGCATTCTAGTTGTGGTTGTCC-3'

XbaI
5' stop luciferase



TGTTTCTGTCAAGCCGTAAGCCCTGGCCGATGCTGGTAGGTGAA GCGTTTGGCCACCGCCCTCACCTTACCCTCCCTTGCTGAGCGCGCCCGCCGCTGGCGATCTCGT

3CAA GTTGC TTAG TCG TAC TTG TCG ATG AGAG GTGCTCTTA GCGAAGAAAGC TAAATAG TGGG CCA CCA G CAGGG CAGAT TGAATCTTATA GTCTTGC AAGCTG

GCAA GAATAGCTCCCTCC TCG AAGCGGTACA TTAGGCACG ACCCGAAAGCCG CAGATCAAAGTAA GCGCCAGCGCTGGTGA CATGCGG AAGCCGTGG TGAATTA

TGG CACCA CCGCTGA GGATA GCGGTGTCGGG ATGATCTGGG TTGCCGAA GATGGGG TCCGCGGG CATTGACTG AA TCGGG ACACCA G

C G /TGC C GG TGC C GG TAA GGC TAA CCG C C TGG G CC A TT C AG TTTCTG CCA C TAA C TG A T C A T G A

T C A G G A C C G A A T G

