

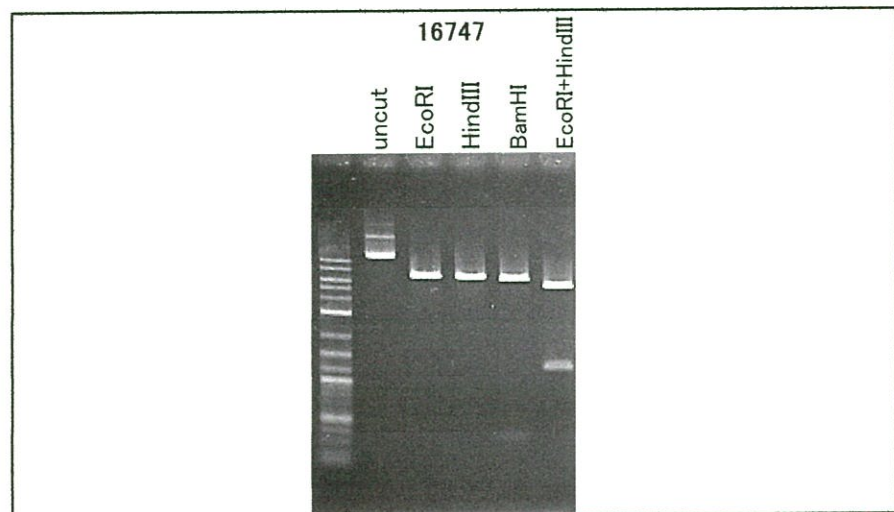
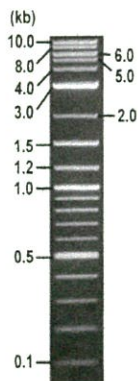


RIKEN DNA BANK

clone name : pCALNL5:mCherry

- Clone ID : RDB_16747
- Lot : 16747_A8J9
- 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),
250 ng/well



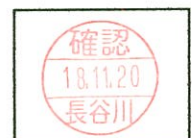
Electrophoresis : 100 nanogram DNA per lane ; 1% agarose gel , 1 x TAE Buffer

Restriction enzyme	Expected size of fragment	
EcoRI	6.8	kbp
HindIII	6.8	kbp
BamHI	6.5, 0.3	kbp
EcoRI+HindIII	5.5, 1.3	kbp
		kbp

● Confirmation of the insertion sequence

Sequence name	Primer name	Sequence name	Primer name
Sequence - A	pAxCA_F1	Sequence - E	-
Sequence - B	Neo-C_F	Sequence - F	-
Sequence - C	mCherry-N_rev	Sequence - G	-
Sequence - D	pCA-bgter	Sequence - H	-

APPROVED BY :



SN G:127 A:110 T:122 C:1 primer name A : paxCA_F1

KB_bcp

KB 1.4.1.8 Cap:1

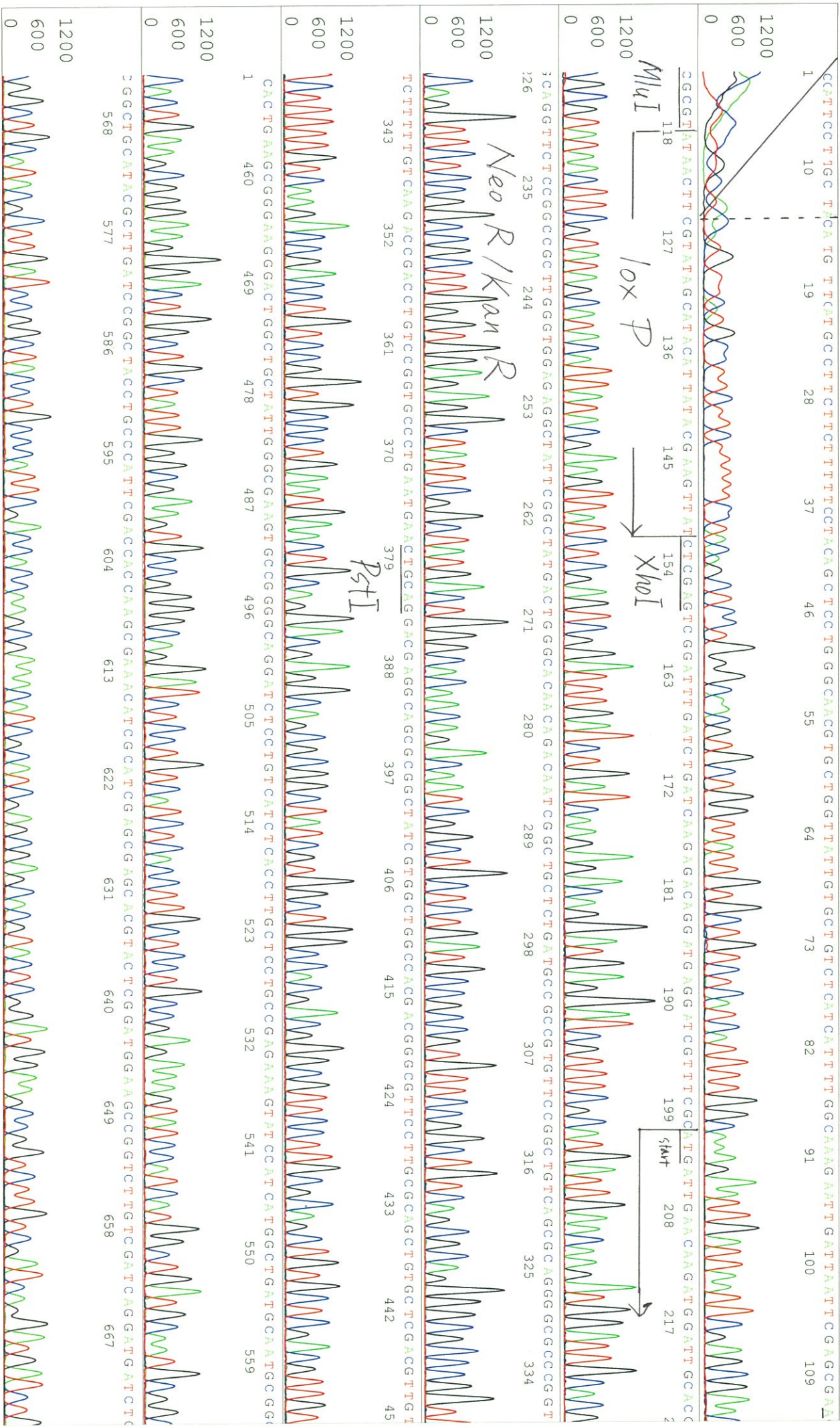
5'- GGCTTCTGGCGTGTGACCGGC -3'

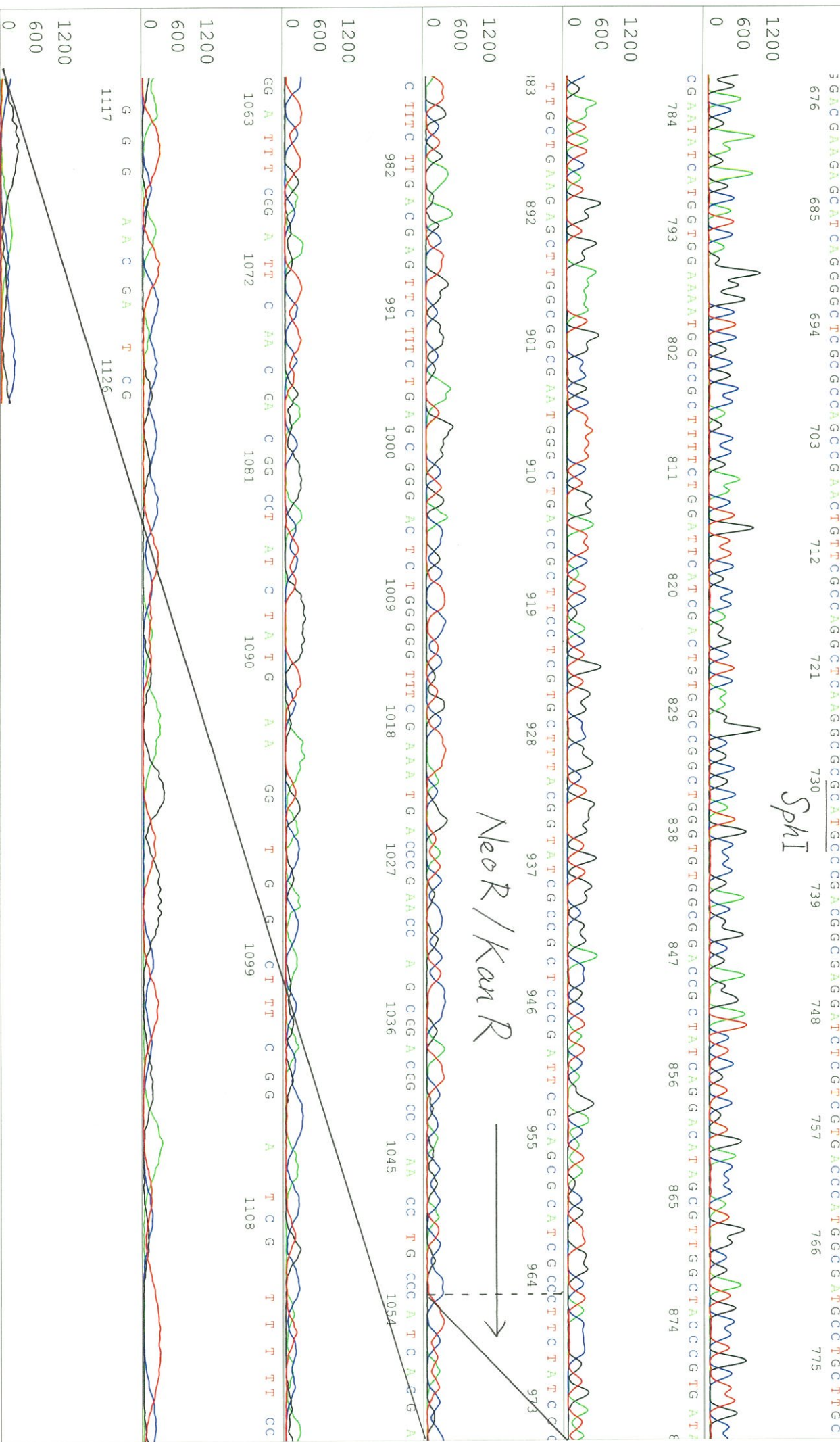
KB_3500_POP7_BDTV3.mob

Pls 1492 to 13370 PK1 Loc:1469

Version 6.0 HiSQV Bases: 993

Nov 02.2018 01:53PM, JST
Nov 02.2018 02:20PM, JST
Spacing:12.07 Pls/Panel1350
Plate Name: 20181102_kitaku2

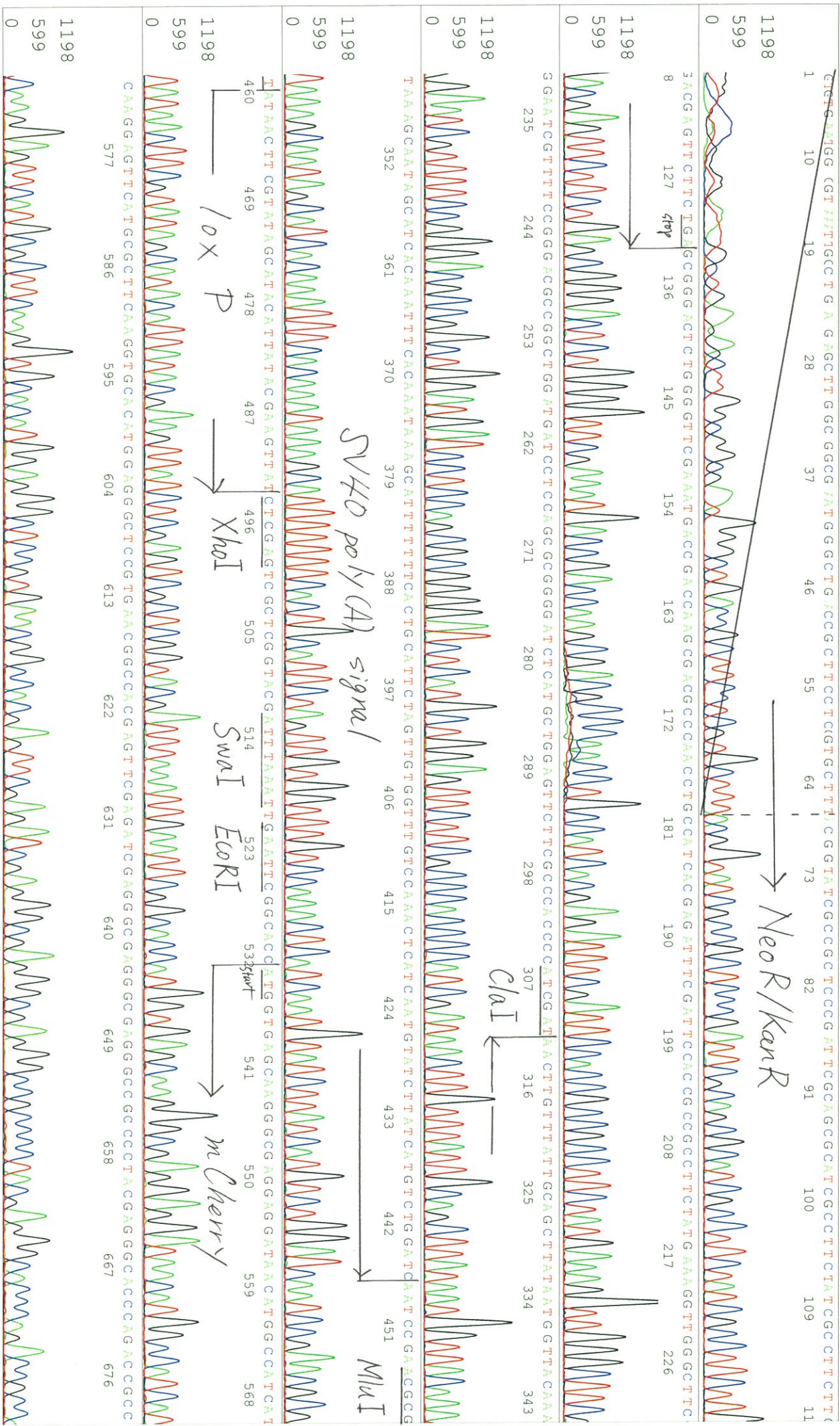


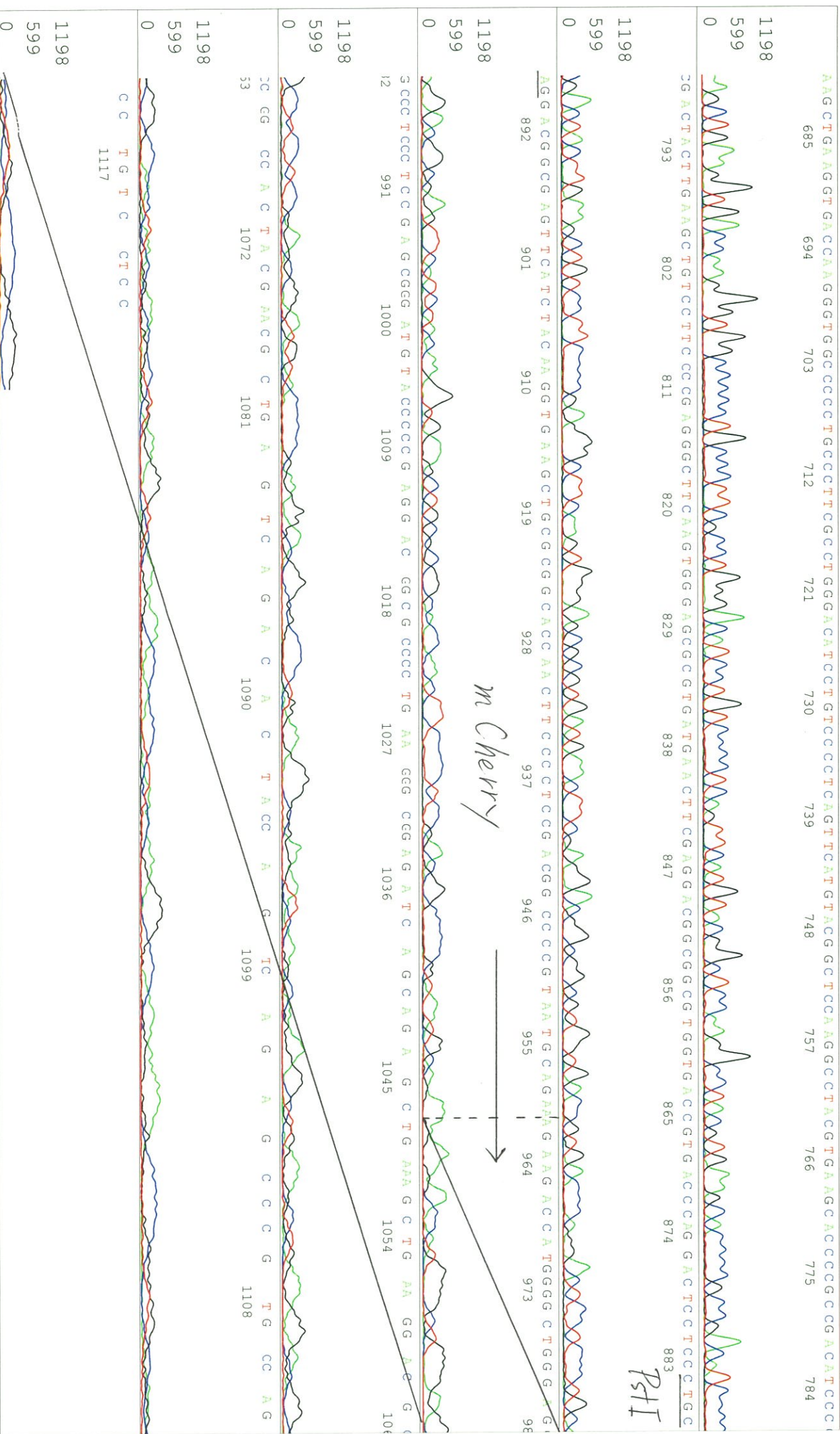


S/N G:46 A:53 T:51 C:62 primer name B : Neo-C_F
KB bcp KB 1.4.1.8 Cap:2 5'-GGCGACCGCTATCAGGACATA-3'

D05386A1-A8J9_3_Neo-C_F
KB_3500_POP7_BDTv3.mob
Pis 1465 to 13294 Pk1 Loc:1442
Version 6.0 HiSQV Bases: 982

Nov 02, 2018 01:53PM, JST
Nov 02, 2018 02:20PM, JST
Spacing: 11.92 Pts/Panel/350
Plate Name: 20181102_kitaku2





S/N G:37 A:50 T:46 C:65

primer name C : mCherry-N_rev

D05386A1-A8J9_3_mCherry-N_rev
KB_3500_POP7_BDTV3.mob

Nov 02,2018 01:53PM, JST
Nov 02,2018 02:20PM, JST

KB.bcp

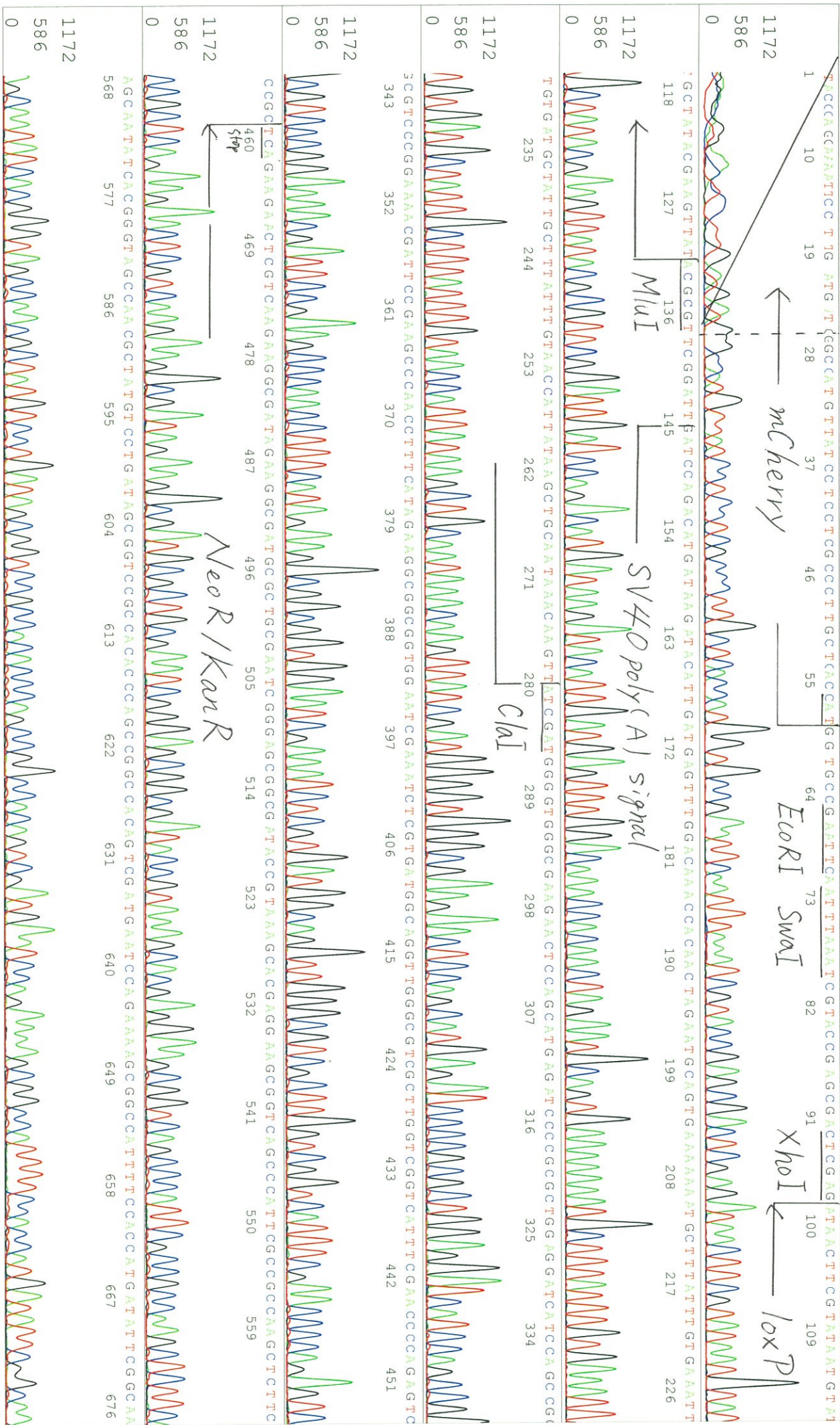
5'-GTTCCACGGAGGCCCTCCATGT-3'

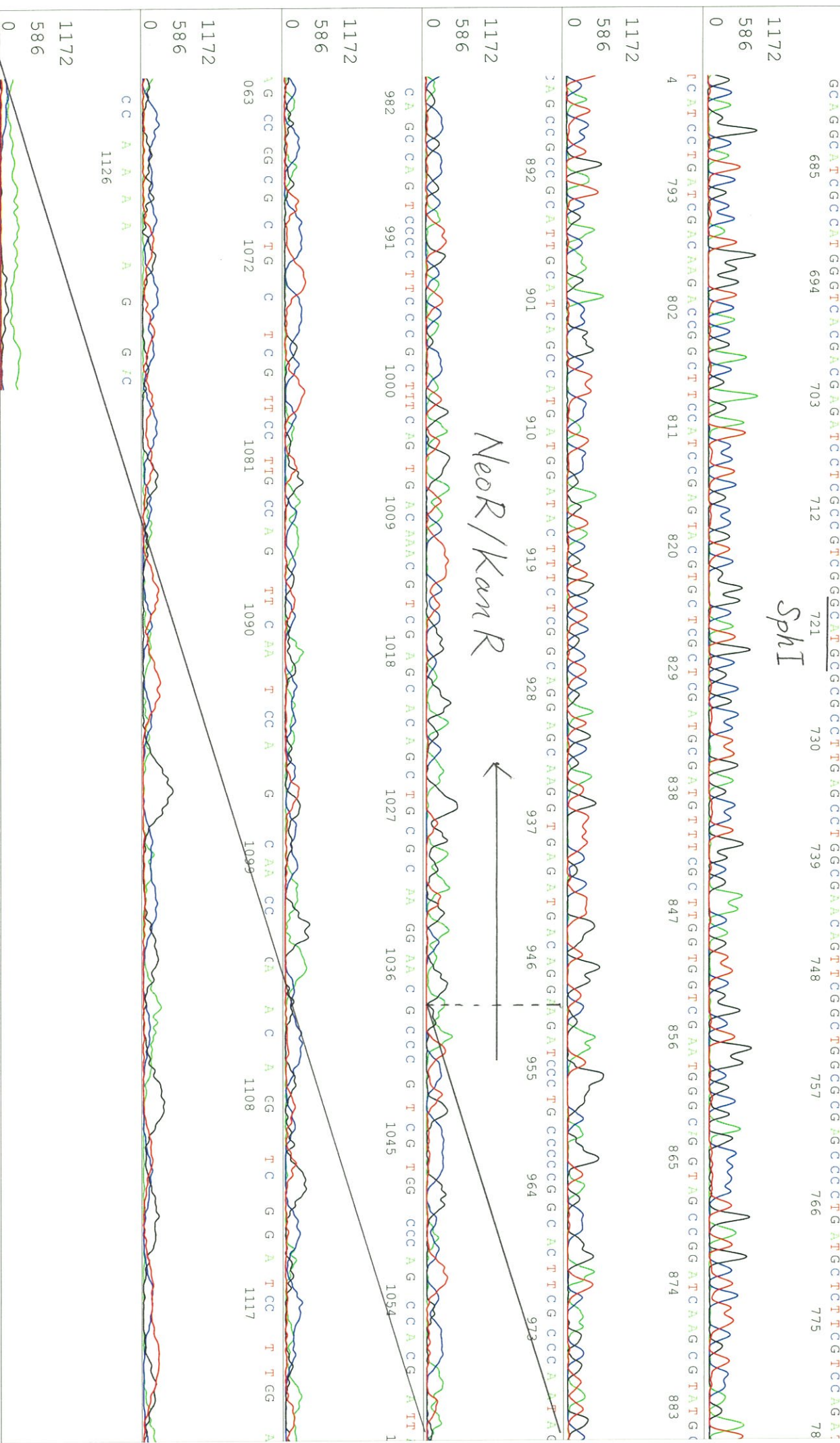
Pts 1466 to 13238 PK1 Loc:1443

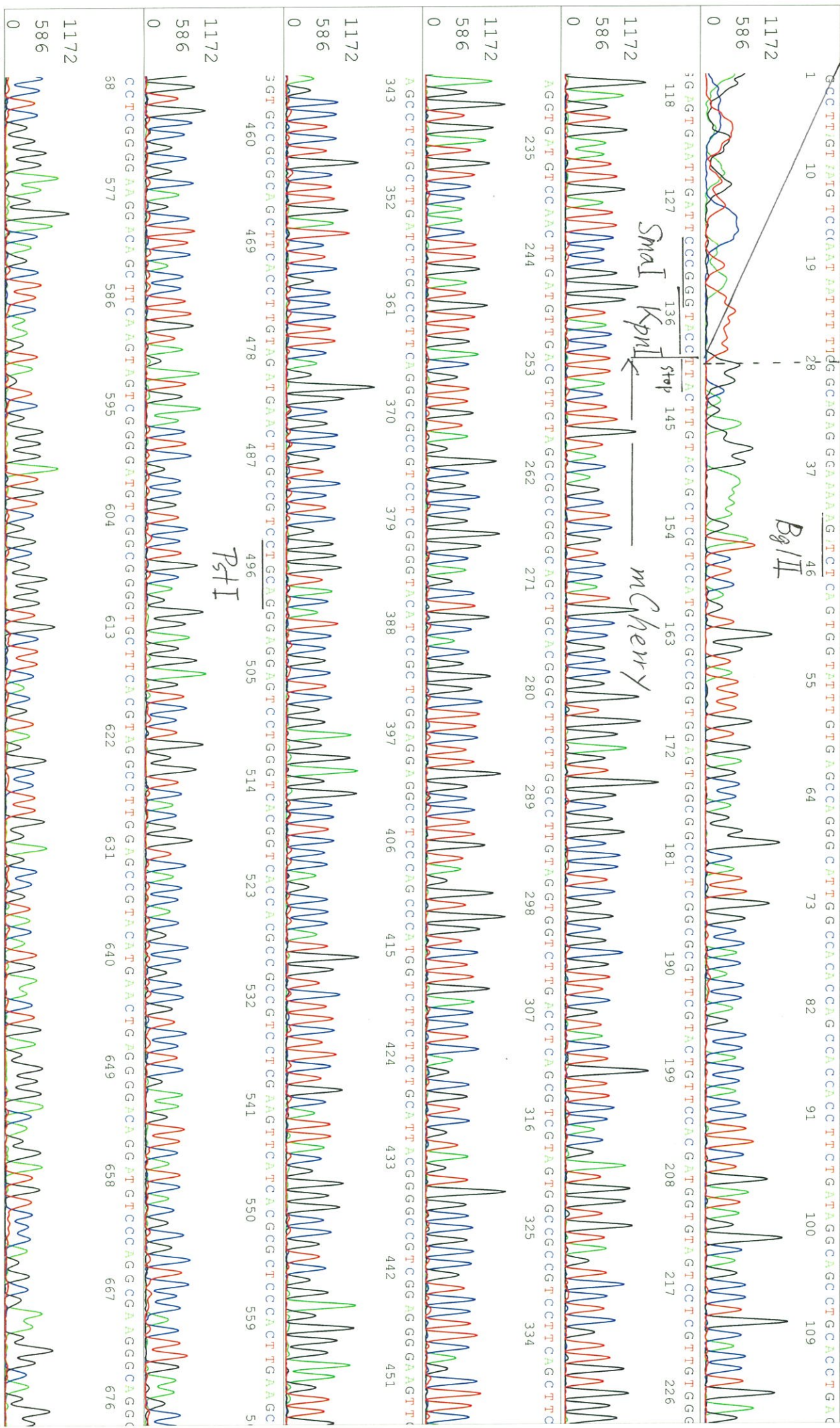
Spacing:12.06 Pts/Panel1350
Plate Name: 20181102_kitaku2

Version 6.0

HiSQV Bases: 978







3GGCCACCCTTGGTCACTTCAAGCTTGGGGGTCTGGGGTGGCCCTCGTGGGGGGGGCCCTCCGCCCTCGCCCTCGATTCGAACCTGTGGCCGTTCAAGCACTCCATG
685 694 703 712 721 730 739 748 757 766 775 784

1172



TGCCCTTGAAGCGCATGAACTCCTTGTGATGATGGCCATGTTATCCTCCGCGCCCTGGCTCACCATGGTGCCGAAATTCATTAAATCGTACCGAGACTCG
793 802 811 820 829 838 847 shwt 856 865 874 883

m Cherry



EcoRI *SwaI*

XhoI

586



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

1172



AAC TAAGAA TGCAG TGA AAAAAAAAAAATGCTTTTAAATTTGGTGG AATTTGGTGATGCTTAATGCTTAACTTAAATGATGAACTTTG
991 1000 1009 1018 1027 1036 1045 1054 1063 1072

586



CA TAA AACC A GG TTAAATTC GAA TGG TGGGG CCGG A G G A C TCCAG CCATGAG ATCGCCCTCG
1081 1090 1099 1108 1117 1126 1135

1172



ACCTGTGGAGAGGGG /T
1144 1153

586

