

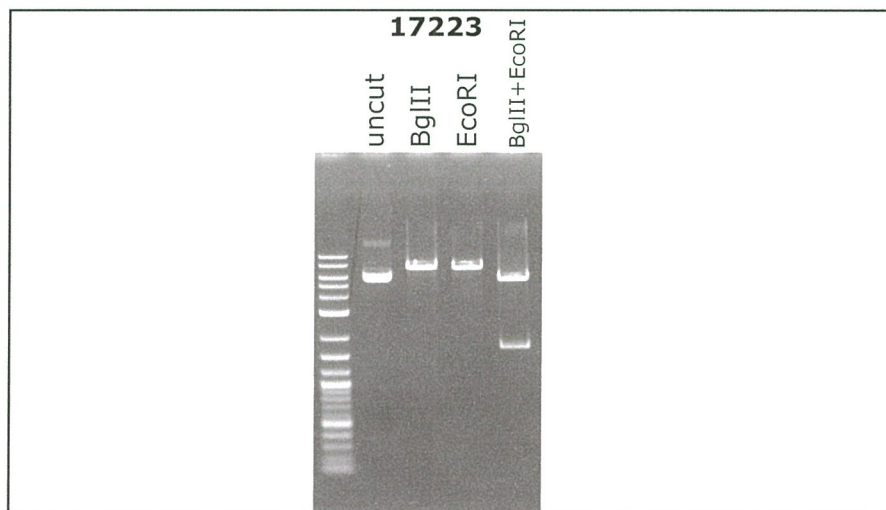
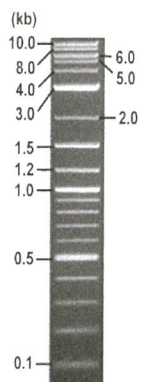


RIKEN DNA BANK

clone name : **pMRX-puro-EGFP-Rab10**

- Clone ID : RDB _ 17223
- Lot : 17223 _ B0Gk
- DNA Concentration : 25 nanogram/microliter
- Volume : 40 microliter
- Form : DNA solution in TE buffer
- Host : NEB stable
- Culture : LB medium
- Antibiotics : 100 microgram/ml Ampicillin
- Purification : QIAGEN QIAprep Spin Miniprep kit
- Digestion by restriction enzyme

1 kb Plus 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
BglII	7.4 kbp
EcoRI	7.4 kbp
BglII+EcoRI	5.7, 1.7 kbp
	kbp

● Confirmation of the insertion sequence

Please be sure to check our sequence analysis results before your request.

Sequence name	Primer ID	Primer name	Confirmed feature
Sequence - A	Pr0352	MMLV-pol_F	Pol region, EGFP 5'
Sequence - B	Pr0037	IRES-R	insert, EGFP 3'
Sequence - C	Pr0574	mVenus-M_F	EGFP 3', insert 5'
Sequence - D	Pr0863	MMLV psi_F	MMLV psi, gag pol region
Sequence - E	Pr0036	IRES-F	IRES, PuroR,
Sequence - F	Pr0554	PuroR_F	PuroR 3', 3' LTR
Sequence - G	Pr0008	Amp_R	AmpR pro, CMV en. Delta U3 5' UTR
Sequence - H	-	-	-

APPROVED BY :



S/N G:1087 A:965 T:612 C:1072

primer name A : MMLV-pol_F

KB_3500_POP7_BDTV3.mob

Aug 19,2020 01:57PM, JST

KB.bcp

5'-AGGACCTTACACAGTCTGCTG-3'

Pts 1484 to 13137 PK1 Loc:1461

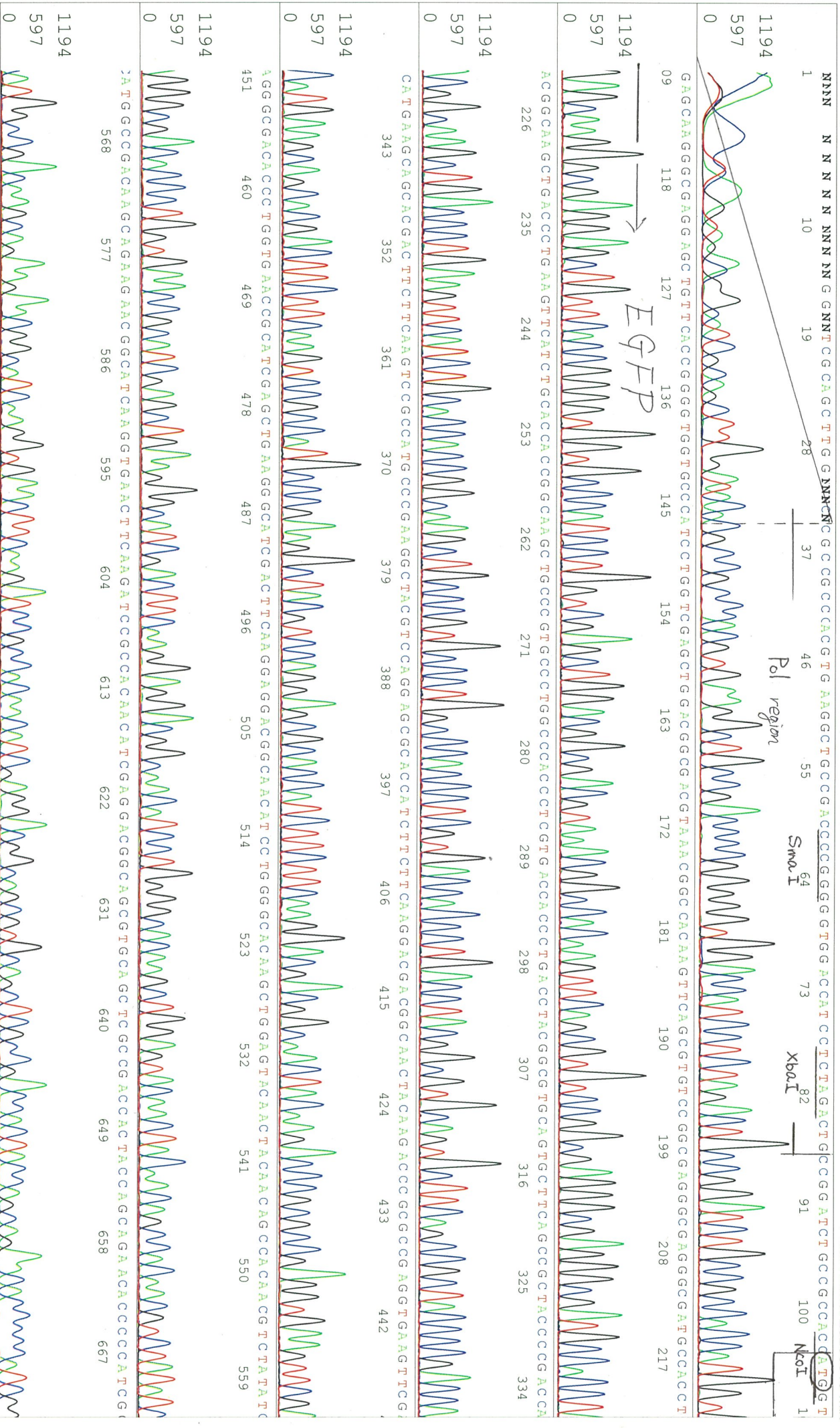
Aug 19,2020 02:38PM, JST

KB 1.4.1.8 Cap:3

Version 6.0 HiSQV Bases: 920

Version 6.0 HiSQV Bases: 920

Spacing:1.173 Pts/Panel1350 Plate Name: 20200819 mix



S/N G:1087 A:965 T:612 C:1072

17223_17223_B0Gk_MMLV-pol_F
KB_3500_POP7_BDTV3.mob

Aug 19, 2020 01:57PM, JST
Aug 19, 2020 02:38PM, JST

KB.bcp

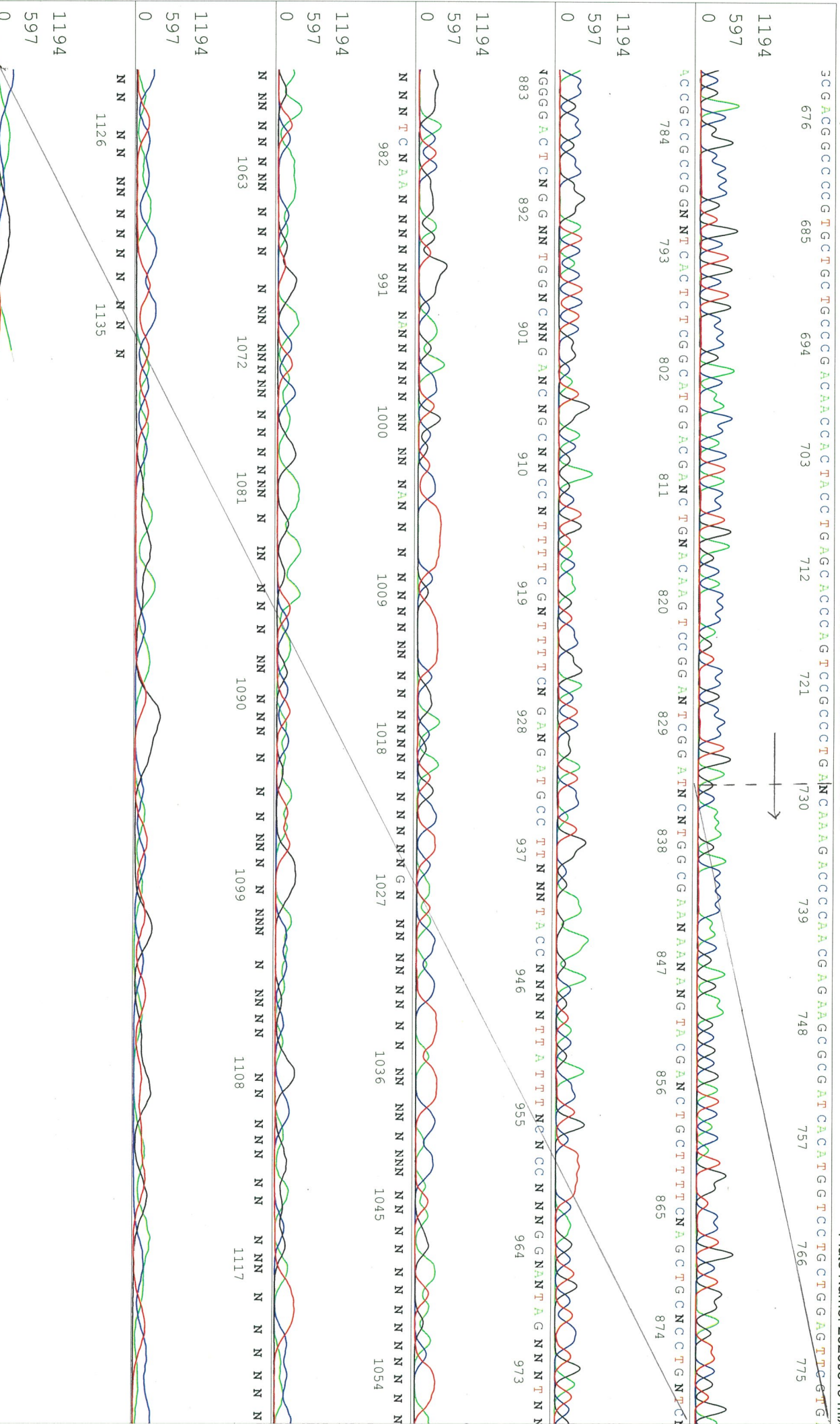
Pts 1484 to 13137 Pk1 Loc:1461

Spacing:11.73 Pts/Panel1350

KB 1.4.1.8 Cap:3

Version 6.0 HiSQV Bases: 920

Plate Name: 20200819 mix



S/N G:899 A:596 T:659 C:813

primer name B : IRES-R

KB_3500_POP7_BDTV3.mob

Aug 19, 2020 01:57PM, JST

KB 1.4.1.8 Cap:6

5'-ACATATAGACAAACGCACACC-3'

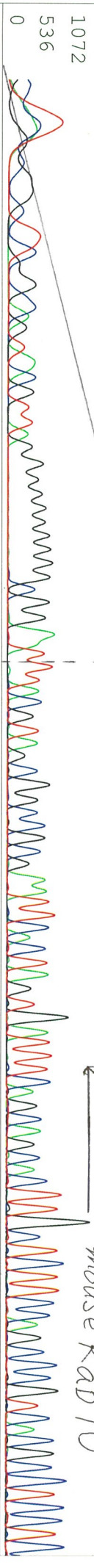
Pis 1438 to 13191 Pk1 Loc: 1415

Aug 19, 2020 02:38PM, JST

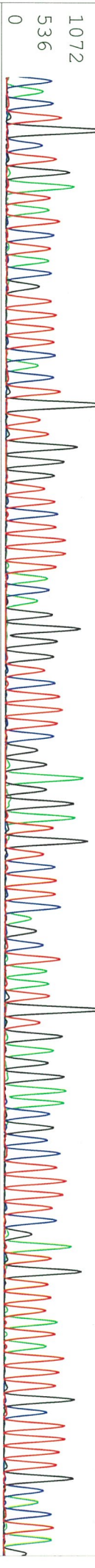
1 10 19 28 37 46 55 64 73 82 91 100 109

NotI SpeI EcoRI

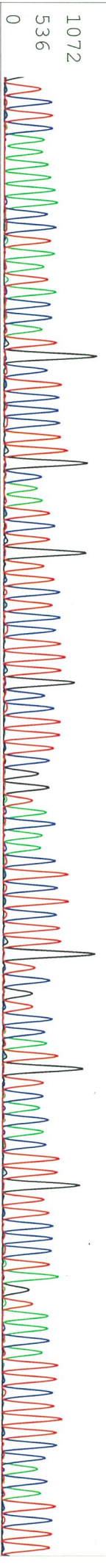
mouse Rab10



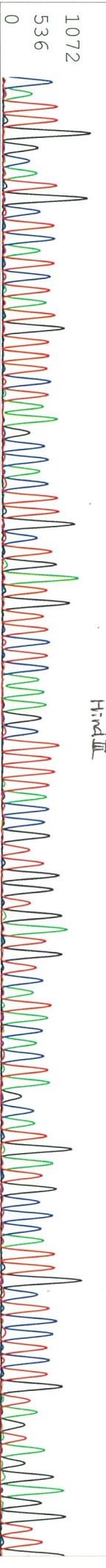
CAC T G C T G A T A T C T A C G T T T T C A C T G T T G G T T C T T T T A C A G G G T C T T T C G G A G G A T G T C T T C A G C T A A T G T G A G A A C G C C T T T C G A T G T T A T A T T T G C T T T G C A C T A C



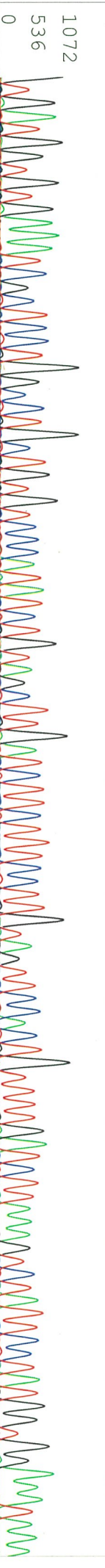
3 T C T C A A A A A C C T A A T A T C C A T G C T C C C T T G C A T C T G T T C T C C T T T G C C T T T C G G T A C A A C T C T C T T G T C G T C C A T G T C A C A C T T G T T C C C T A A C A T T C T T T C C A C A T C T T



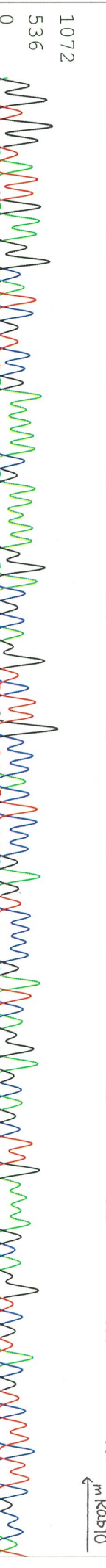
C A T T G G C A T G C T C A T C T A T G T T T C T A A G C C A C T T G C T G A T G T T C T C A A A G C T T T T A C C G T T G G T G A T G T C A T A C A C T A G C A T G A T G C C C A T T G C T C C T G T A G T A G G A G G T T C



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

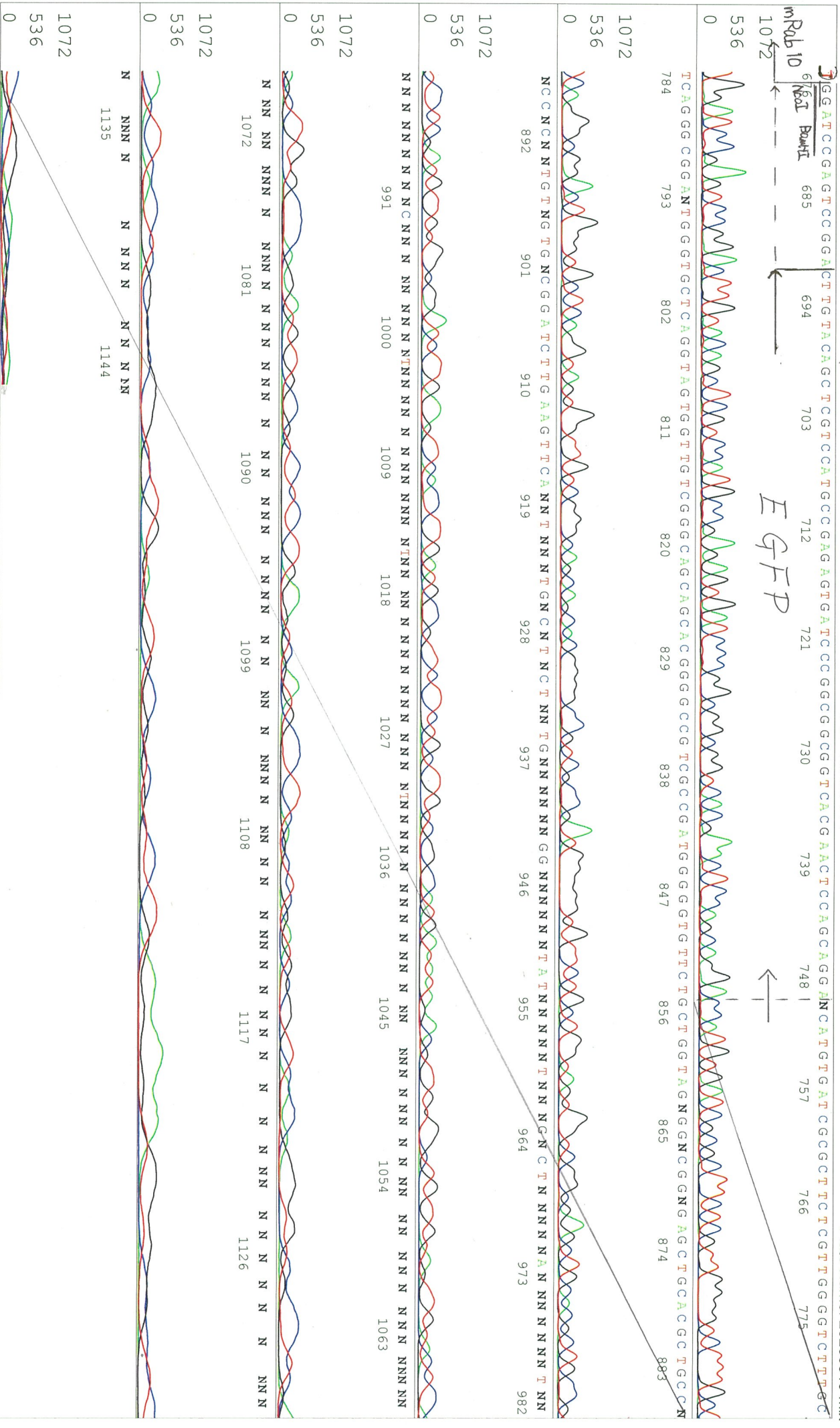


G G T G G T A T T G A A G G C A T C G T C C G A A A A A C G A A A A A G G A C G C A G G T C T T G C C C A C T C C C G A T C A G G A G C A G C T T G A A A A G C A G G T C G T A C G T C T T C T T C G C C A



568 577 586 595 604 613 622 631 640 649 658 667

mouse Rab10



S/N G:1247 A:1287 T:710 C:984

primer name C : mVenus-M_F

KB_3500_POP7_BDTV3.mob

Aug 19, 2020 01:57PM, JST

KB.bcp

Pts 1445 to 13040 Pk1 Loc:1422

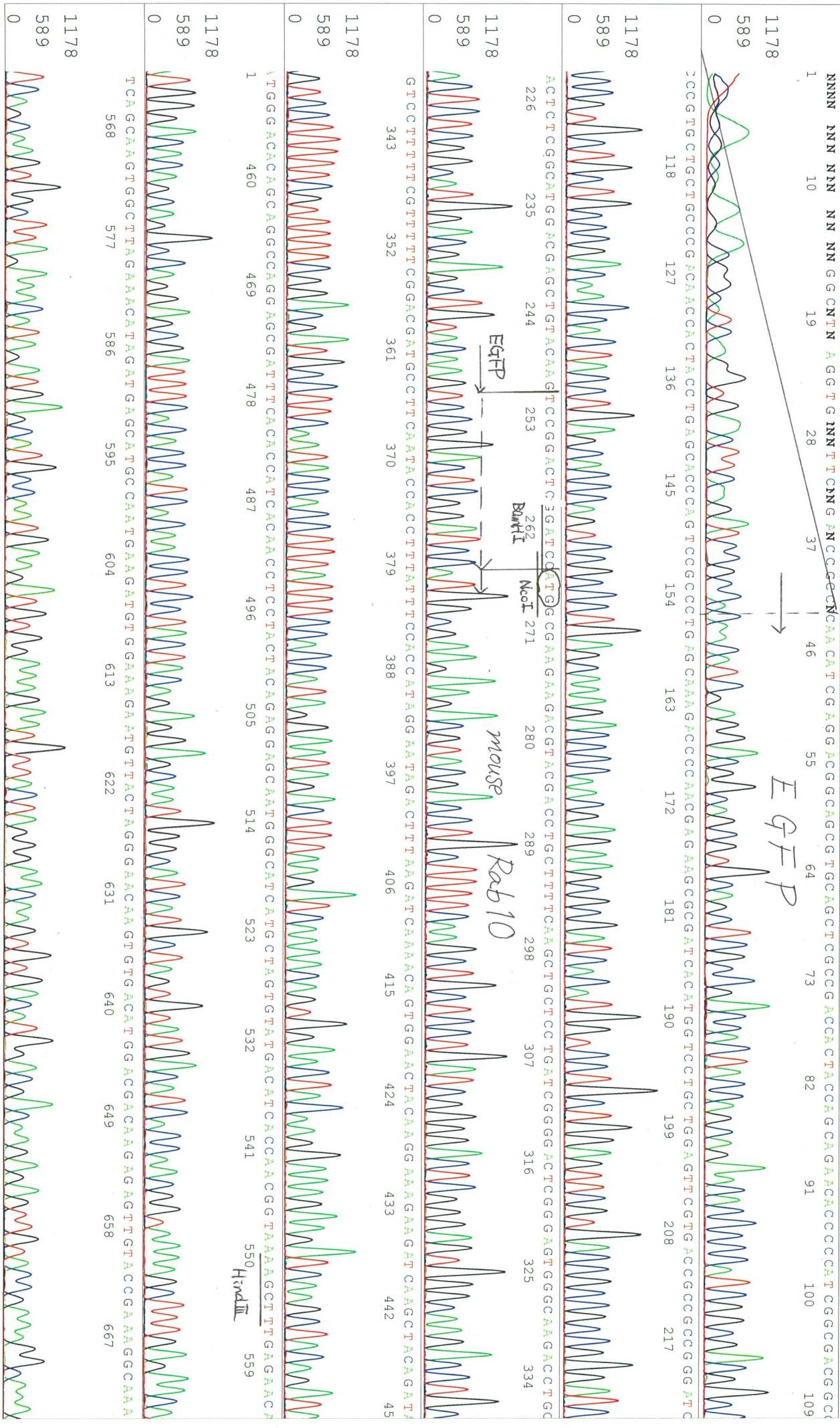
Aug 19, 2020 02:38PM, JST

KB 1.4.1.8 Cap:9

5'-ACTACACAGCCACCAACGTC-3'

Version 6.0 HiSQV Bases: 944

Plate Name: 20200819 mix



S/N G:1247 A:1287 T:710 C:984

17223_17223_B0Gk_mVenus-M_F
KB_3500_POP7_BDTV3.mob

Aug 19, 2020 01:57PM, JST

KB.bcp

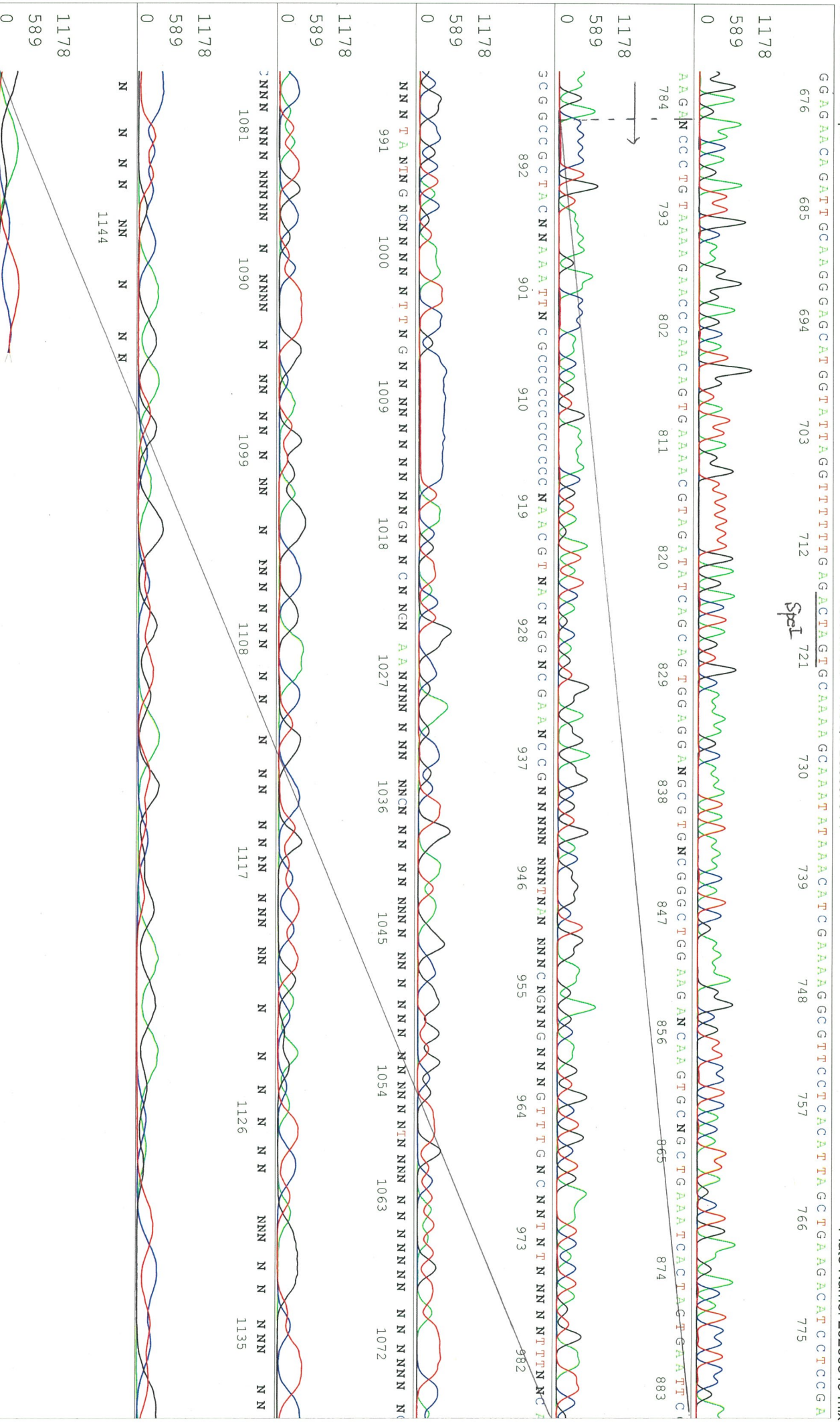
Pts 1445 to 13040 Pk1 Loc: 1422

Aug 19, 2020 02:38PM, JST

KB 1.4.1.8 Cap:9

Version 6.0 HiSQV Bases: 944

Spacing: 11.72 Pts/Panel1350
Plate Name: 20200819 mix



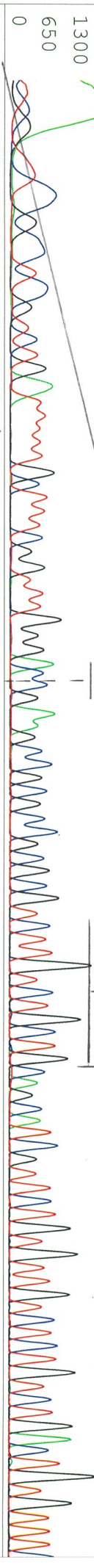
S/N G:979 A:885 T:633 C:932 primer name *D* : MMLV psi_F

KB:bjcp KB_3500_POP7_BDTV3.mob Pts 1474 to 13079 Pk1 Loc:1451

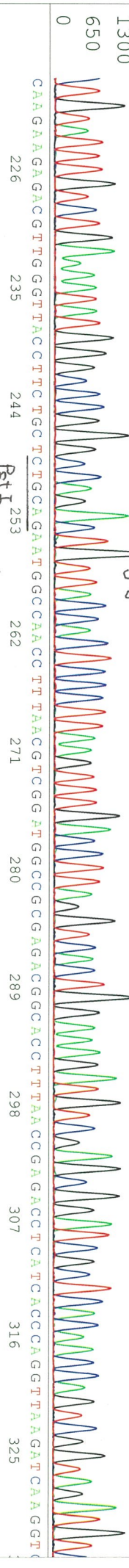
KB 1.4.1.8 Cap:12 5'-GATATGTGTTCTGTAGGAG-3' Version 6.0 HiSQV Bases: 926

17223_17223_B0Gk_MMLVpsi_F
17223_17223_B0Gk_MMLVpsi_F
Aug 19, 2020 01:57PM, JST

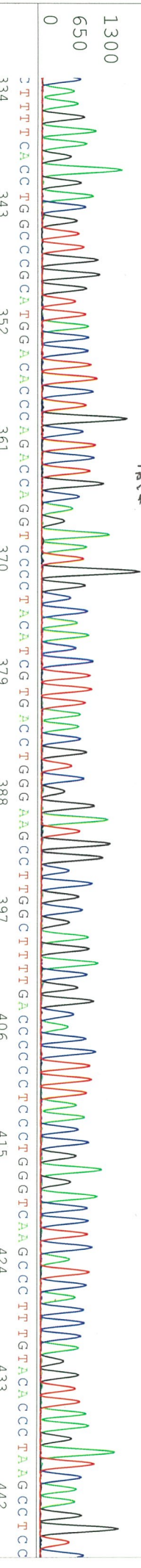
Aug 19, 2020 02:38PM, JST
Spacing:11.67 Pts/Panel1350
Plate Name: 20200819 mix



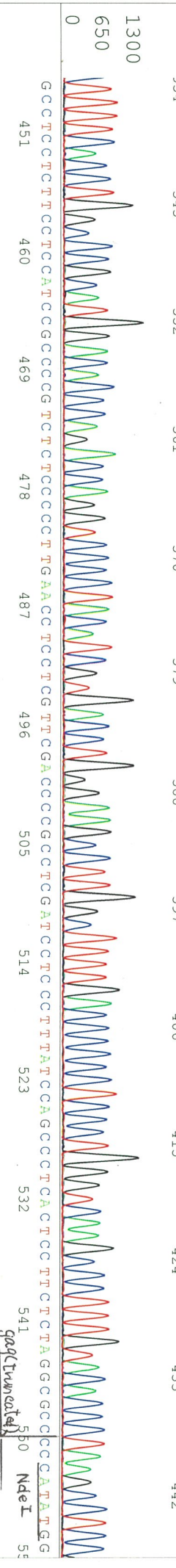
1 10 19 28 37 46 55 64 73 82 91 100
NNNNNNNNNNNNNNNTTTCGANTTTTNTTTTCGGTTTGCCCGAAAGCCGCCGCCGCTCTTGTCTGCCTGCAAGCATCGTTCTGTGTCTCTGACTGTGTTT
CTGTAATTTGCTGAAAATATGGGCCCGGGCCAGACTGTTPACCACTCCCTTAAGTTTGACCCTTAAGGTCACTGGAAGATGTCGAGCGGATCCCTCACAAACCAAGTCGGTAGATGT
109 118 127 136 145 154 163 172 181 190 199 208 217
ApdI SmaI
gag (truncated)



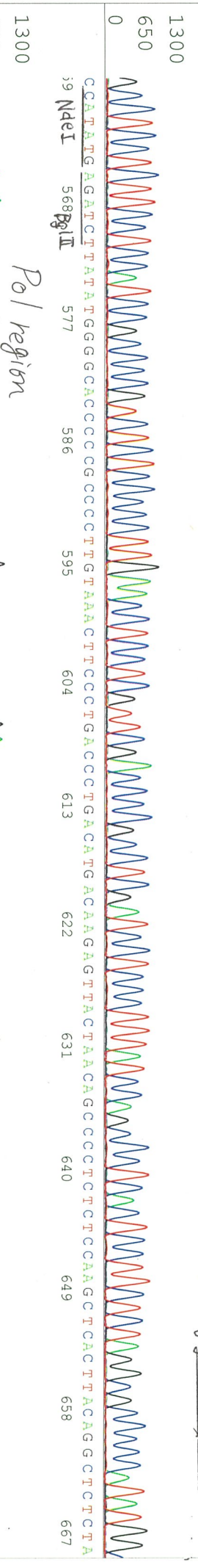
226 235 244 253 262 271 280 289 298 307 316 325
CAAAGAGAGACGTTGGTTACCTTC TGC TCGCA GAATGGCCAACTTTAACGTCGGATGGCCCGAGACGGCCCTTTAAACCGAGACCTCATCACCAAGGTTAAAGATCAAAGGT
RdtI



334 343 352 361 370 379 388 397 406 415 424 433 442
CTTTCACCTGGCCCGCATGGACACCCAGACCAAGTCCCTACATCGTGACCTGGGAAGCCTGGCTTTTGAACCCCTCCCTGGGTCAAAGCCCTTGTACACCCATAAGCCTCC



451 460 469 478 487 496 505 514 523 532 541 550
GCCCTCCTCTCCATCCATCCGCCCGTCTCTCCCTTGAACCCTCGTTCCGACCCCGCCCTCGATCCTCCCTTATCCAGCCCTCACTCCCTTCTAAGGCCCCCATATTGG
gag(truncated) NdeI



559 568 577 586 595 604 613 622 631 640 649 658 667
CCATATGAGATCTTATATGGGGCAACCCCGCCCTTGTAAACTTCCCTGAACCTGACATGACAAAGATTACTAAACAGCCCTCTCTCCAAAGCTCACATTACAGGCTCTCTTA
NdeI PstI
Pol region

S/N G:979 A:885 T:633 C:932

17223_17223_B0Gk_MMLVpsi_F

KB_3500_POP7_BDTV3.mob

Pls 1474 to 13079 PK1 Loc:1451

Aug 19, 2020 01:57PM, JST

Aug 19, 2020 02:38PM, JST

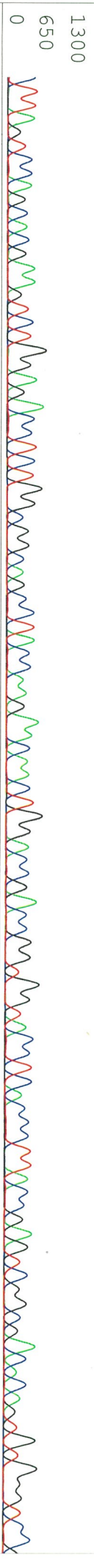
Spacing: 11.67 Pts/Panel/1350

KB 1.4.1.8 Cap: 12

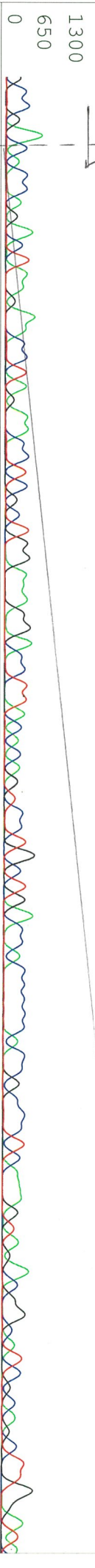
Version 6.0 HiSQV Bases: 926

Plate Name: 20200819 mix

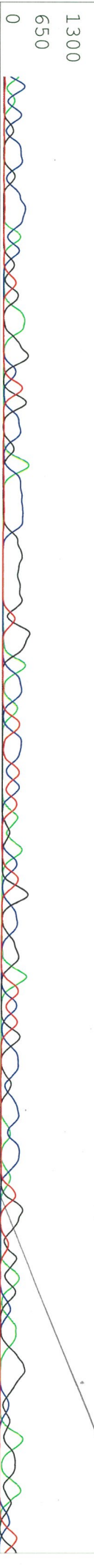
CTTAGTCCAGCGAAGTCTGGAGACCCTCTGGCGGCGAGCCCTAACCAAGAAACAACCTGGAACCGACCGGTGGTACCCTCAACCCTTACCGAGTCGGCGACACAGTGTGGTCC
676 685 694 703 712 721 730 748 757 766 775



GCCGANACCAAGACTAAGAACCTTAGAACCTCGCTGGGAAGGANCCTTACACAGTCCCTGTGANACCCCAACCGCCCTCAAAGTAGANGGCATCGCAGCTNNAT
784 793 802 811 820 829 838 847 856 865 874



ACACGCCGCCCAACNNANGNATGTCAGANCNNGCGGNCATNTCCNANACTGNCCGANCCCAACCAANNANGNNCANNNGNNGNANGN
883 892 901 910 919 928 937 946 955 964 973



NNCANNNGGNNGNNCNANN
982 991 1000 1009 1018 1027 1036 1045 1054



NN
1063 1072 1081 1090 1099 1108 1117



NN
1126



S/N G:1435 A:996 T:522 C:1342

primer name E : IRES-F

17223_17223_B0GK_IRES-F

Aug 19,2020 01:57PM, JST

KB.bcp

5-TTGATGGGATCTGATCTGG-3'

KB_3500_POP7_BDTv3.mob

Aug 19,2020 02:38PM, JST

KB 1.4.1.8

Cap:15

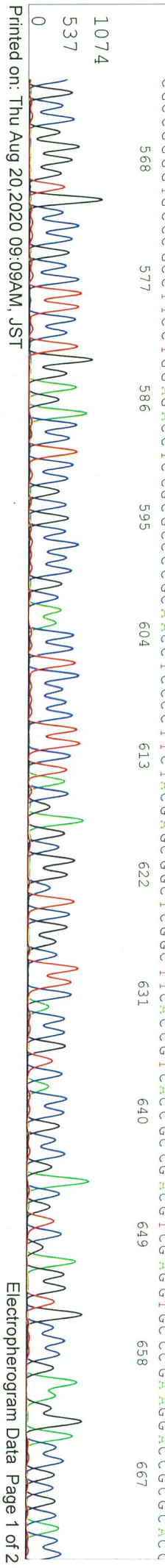
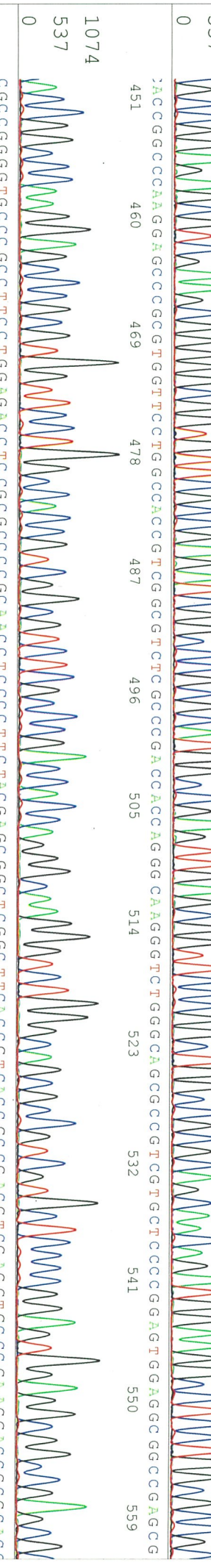
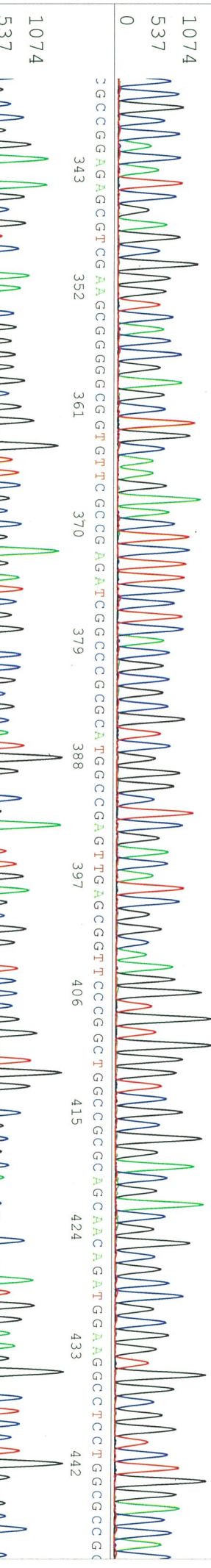
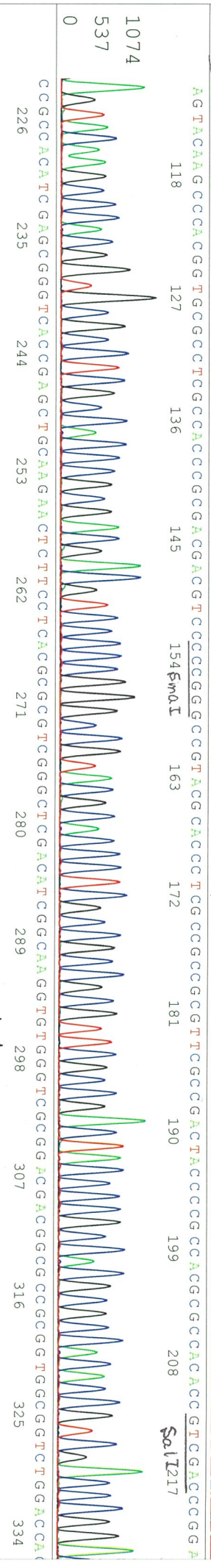
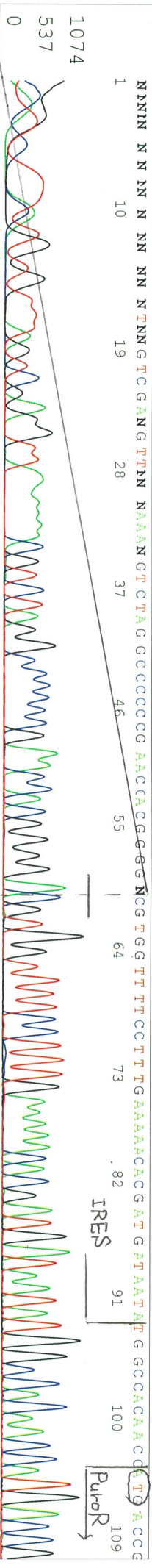
Pts 1464 to 13119 Pk1 Loc:1441

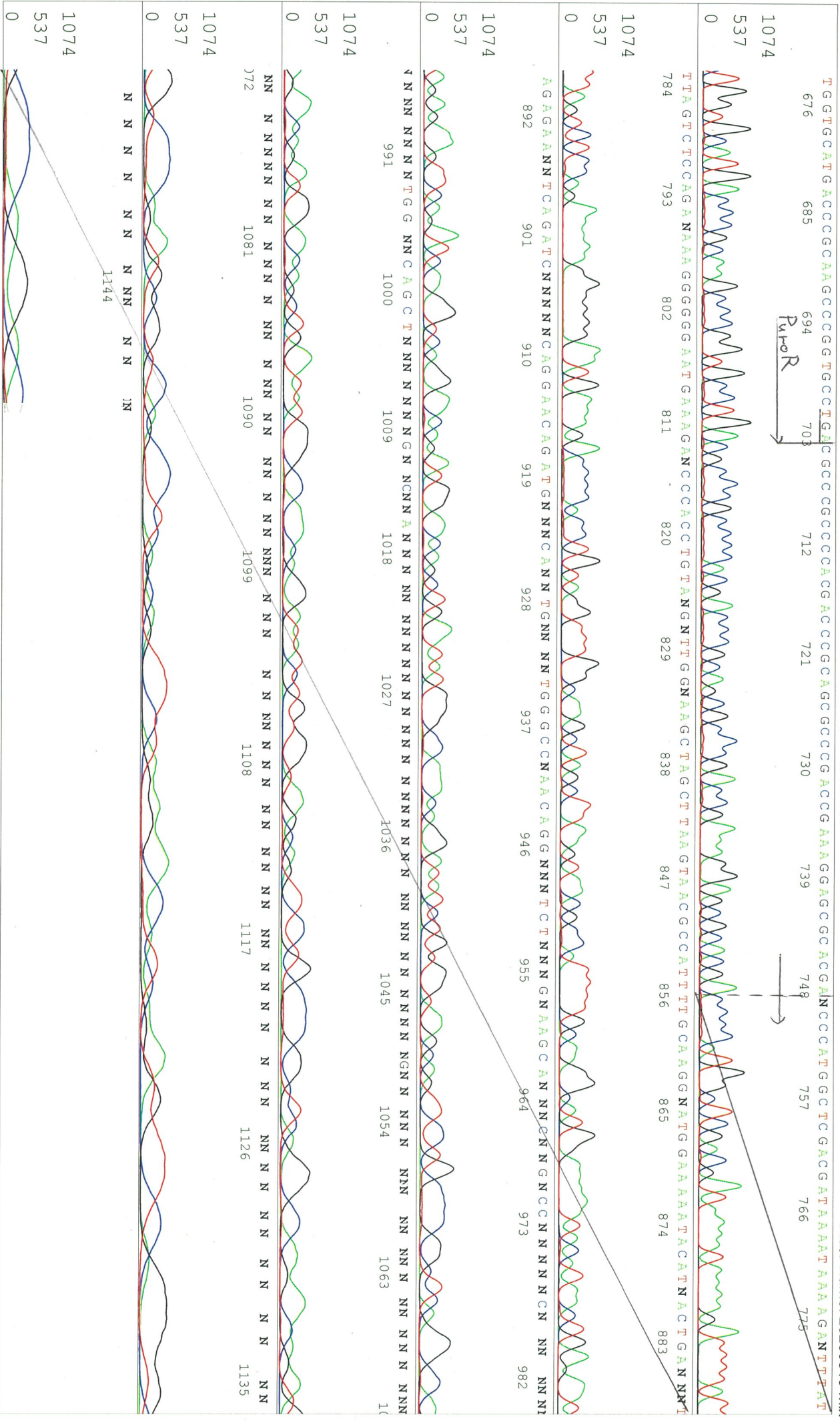
Spacing:1.73 Pts/Panel1350

Version 6.0 HiSeqV Bases: 930

IRES

PuReR





S/N G:431 A:386 T:245 C:367

KB.bcp

KB 1.4.1.8 Cap:18

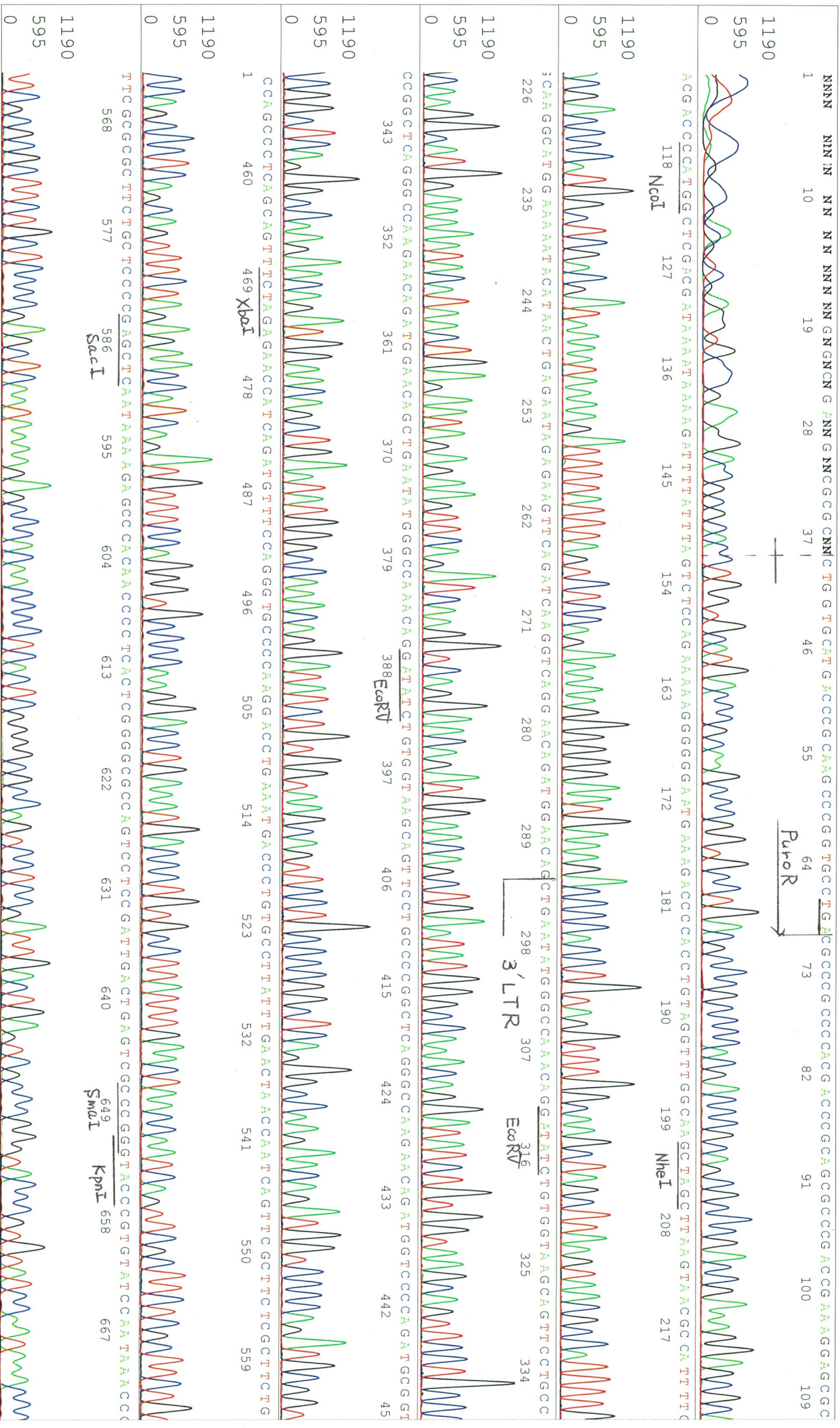
primer name **F** : PuroR_F

5- AACCTCCCCTTCTACGAGCG -3'

KB_3500_POP7_BDTV3.mob

Pts 1451 to 13011 Pk1 Loc:1428

Version 6.0 HiSQV Bases: 932



S/N G:431 A:386 T:245 C:367

17223_17223_B0GK_PuroR_F

Aug 19,2020 01:57PM, JST

KB.bcp

KB_3500_POP7_BDTv3.mob

Aug 19,2020 02:38PM, JST

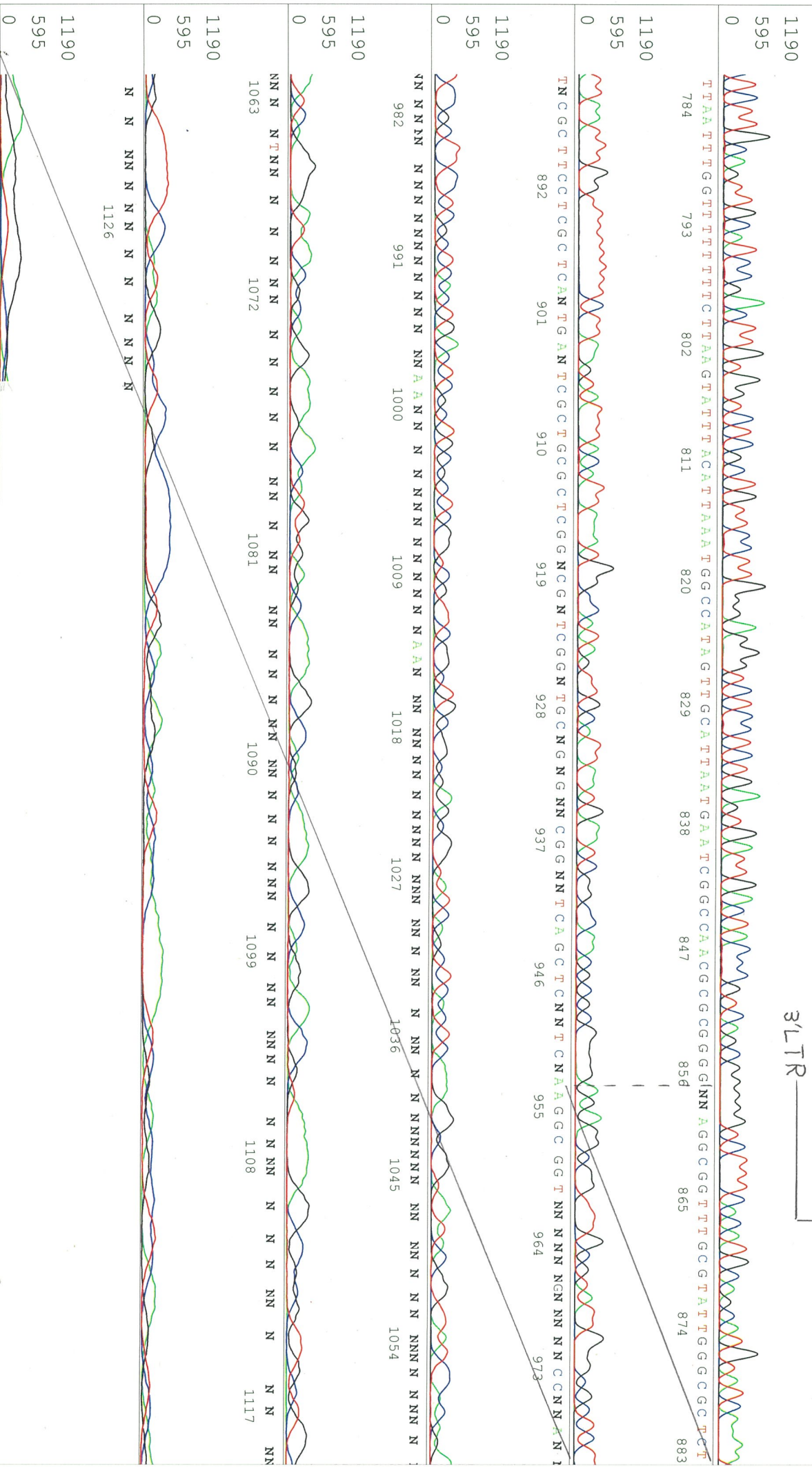
KB 1.4.1.8 Cap:18

Pts 1451 to 13011 Pk1 Loc:1428

Spacing:11.65 Pts/Panel|350

17223_17223_B0GK_PuroR_F_F03_18_AB124
Version 6.0 HiSeqV Bases: 932

3LTR



S/N G:839 A:974 T:823 C:718 primer name G : Amp_R
KB.bcp KB_3500_POP7_BDTV3.mob
KB 1.4.1.8 Cap:21 5-GCCGACACGGAAATGTTGAATA-3'
Pts 1453 to 13130 PK1 Loc:1430
Version 6.0 HiSQV Bases: 946
Aug 19,2020 01:57PM, JST
Aug 19,2020 02:38PM, JST
Spacing:1.174 Pts/Panel1350
Plate Name: 20200819 mix

