

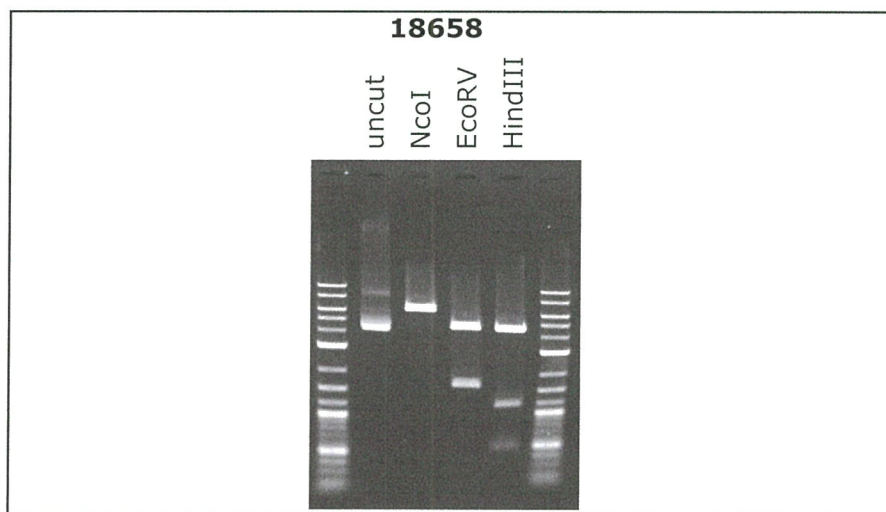
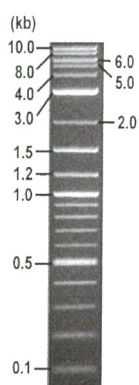


RIKEN DNA BANK

clone name : pYC137 pBS-GPDp-DPP1-V5-GFP11-CyC1ter-natNT2

- Clone ID : RDB_ 18658
- Lot : 18658_ B0Ln
- 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

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
NcoI	6.2 kbp
EcoRV	4.5, 1.7 kbp
HindIII	4.5, 1.2, 0.5 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	Pr0308	f1ori_F2	f1 ori, T7 pro, GPD pro
Sequence - B	Pr0739	pUC-CAPbs_up_F2	T3 pro, natNT2 (TEF pro, NrsR)
Sequence - C	Pr0431	TDH3pro_F	GPD pro, DPP1 5'
Sequence - D	Pr0022	CYC1ter_R	CYC1 ter, GFP11, V5 tag, DPP1 3'
Sequence - E	Pr0273	CYC1ter_F	CYC1 ter, natNT2 (ADH1 ter, NrsR)
Sequence - F	-	-	-
Sequence - G	-	-	-
Sequence - H	-	-	-

APPROVED BY :



SN/G:64 A:58 T:51 C:42 primer name A : f1ori_F2
KB/bcp 5- ACACACTCAACCCTATCTCGG -3'
KB 1.4.1.8 Cap:17

D07536A4_BOLn_2_f1ori_F2
KB_3500_POP7_BDTV3.mob
Pis 1346 to 13134 Pk1 Loc:1323
Version 6.0 HiSQV Bases: 976

Oct 20,2021 02:53PM, JST
Oct 20,2021 03:22PM, JST
Spacing:1.167 Pts/Panel1350
Plate Name: 20211020_mlx



S/N G:64 A:58 T:51 C:42

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Oct 20, 2021 02:53PM, JST

KB:bcp

KB_3500_POP7_BDTV3.mob

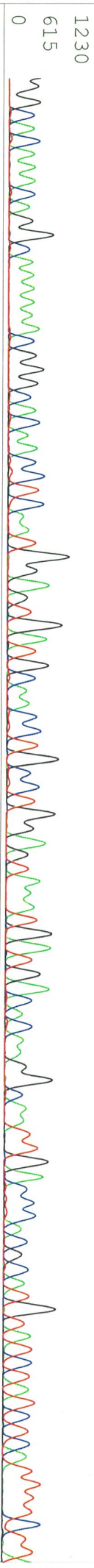
Oct 20, 2021 03:22PM, JST

KB 1.4.1.8 Cap:17

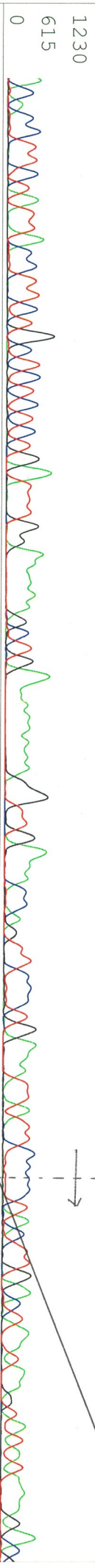
Pts 1346 to 13134 Pk1 Loc:1323

Spacing:11.67 Pts/Panel1350

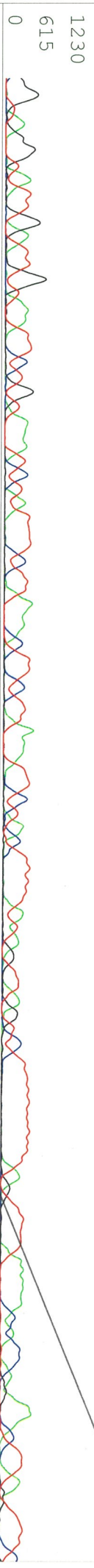
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ACACCTTCTATTACCTTCTGCTCTCTGATTTGGAAAAAGC TGAATAAAAGGTTGAAAACAGTTCCCTGAAAATTAATCCNCTACTTGANTAAATNATAACN



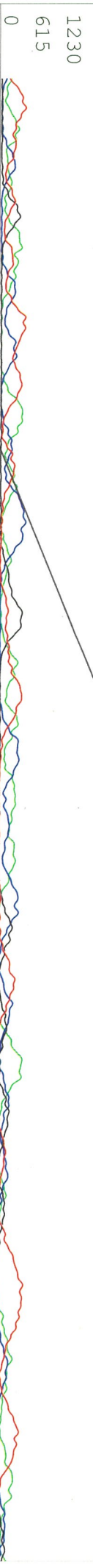
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JNANNNANGCNGNANNNTN NNNGNNNTTNCNNNTNNTNNAANN NNNNTTNNNNNNNNNGNNNNNANNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN



INNN

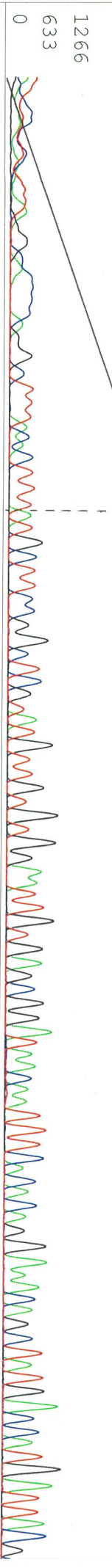


NN

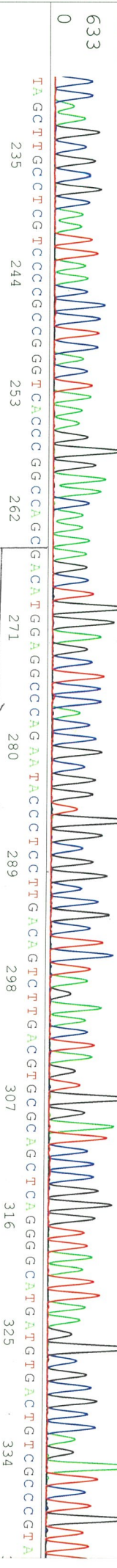


S/N G:81 A:56 T:44 C:61 primer name β : pUC-CAPbs_up_F2
KB.bcp 5'-GTGAGCGCAACGCAATTAATG-3'
KB 1.4.1.8 Cap:20

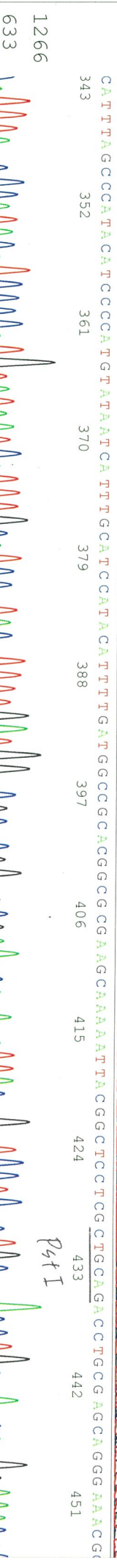
1 10 19 28 37 46 55 64 73 82 91 100 109
NNNNNNNN NNNN NNNNNNNN NN ING CTT NNNCTT N AT GCTTCCGGCTCGTATGTTGTGTGGAATTTGTAGCGGATTAACCAATTTCCACA CAGGAAAACA GCTATG ACCA TGATTA CCG



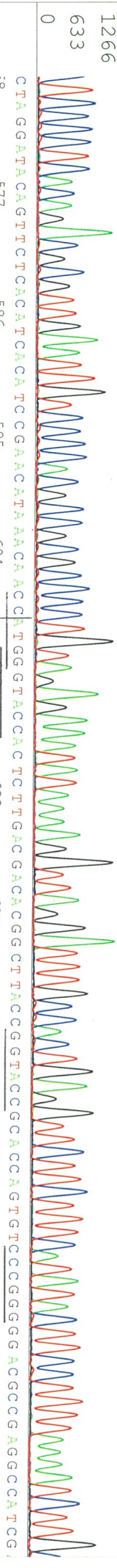
118 127 136 145 154 163 172 181 190 199 208 217 226
CCAA GCGCGC GAATTA ACCCTCAC TAAAGG GAACAAA GCTGGA GCTCCACC CCGGTGGCGGCCCTCTAGAACTAGTGGATCCCGGGTTAA TTAAGCGCCGCA GATCTGT
T3 pr0 SacI NotI XbaI SpeI BamHI SmaI BglII



235 244 253 262 271 280 289 298 307 316 325 334
TAGCTTGCCTCGTCCCGCGGGTCA CCGCCGCGCA GCGGACATGGA GGGCCCA GAA TACCCTCCCTTGACAGTCTTGACCGTGCCAGCTCA GGGGCATGATGTA CTCCCGCTA
(matNT2) TEF promoter



343 352 361 370 379 388 397 406 415 424 433 442 451
CATTTA GCCCATACATCCCCATGTTATAATCA TTTGCA TCCCATACATTTTGTGATGGCCGCGCGAAGCA AAAATTACGGCTCCCTCG CTGCA GACCTGCGAGCA GGGAAACG
MluI PstI



460 469 478 487 496 505 514 523 532 541 550 559 568
CTAGGATA CAGTCTCCACATCA CATTCCGAACATAAACCA ACCATTGGGTACCACTCTTTGACGACACCGGCTTACC GGTTACC GCGACCA GGTCCCGGGGACCGCCATCG
NcoI BlnI KpnI NrsR KpnI SmaI



S/N G:81 A:56 T:44 C:61

D07536A4_B0Ln_2_pUC-CAPbs_up_F2

Oct 20, 2021 02:53PM, JST

KB:bcp

KB_3500_POP7_BDTV3.mob

Oct 20, 2021 03:22PM, JST

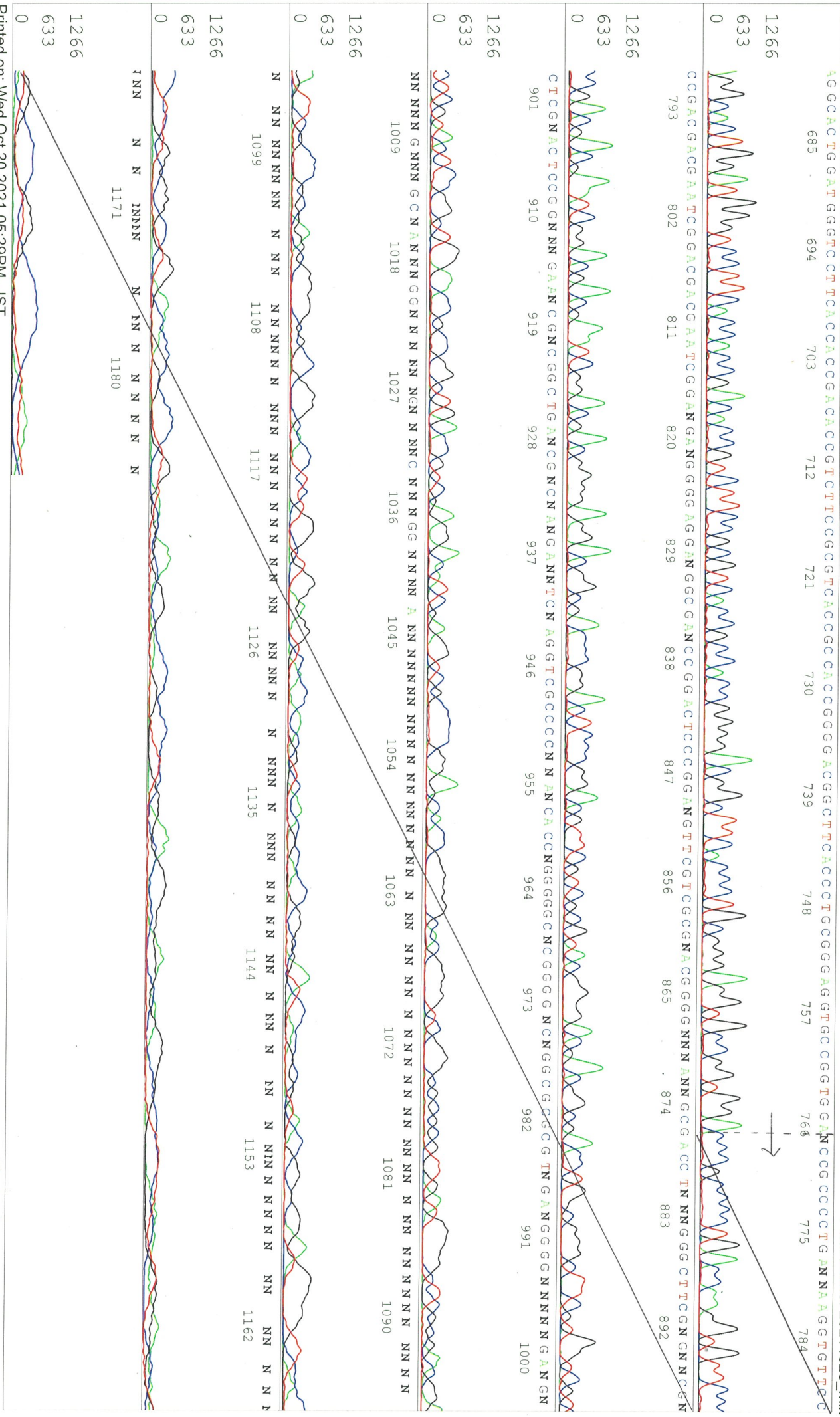
KB 1.4.1.8 Cap:20

Pts 1335 to 13158 Pk1 Loc:1312

Spacing:11.71 Pts/Panel150

Version 6.0 HISQV Bases: 941

Plate Name: 20211020_mix



S/N G:43 A:35 T:33 C:32
KB.bcp
KB 1.4.1.8 Cap:14
primer name C : TDH3pro_F
5'-AAATTATTCCCTACTTGAC-3'

D07536A4_B0Ln_2_TDH3pro_F
KB_3500_POP7_BDV3.mob
Pis 1348 to 13301 Pk1 Loc:1325
Version 6.0 HiSQV Bases: 953

Oct 20, 2021 02:53PM, JST
Oct 20, 2021 03:22PM, JST
Spacing: 11.78 Pts/Panel1350
Plate Name: 20211020_mix

NNN NNNNNNN NNN NN INN T GNN T GNAATTCT GNNNNNCTA TTTCTTAAACTTCTTAAATTCCTACTTTTATTA GTTA GTCTTT TTTTAA GTTTTA GTTTAA AACA CCA GAACTTACTTTC

GPD promoter

GACGGATGCGGCGCGCACTGAAACAGAGTTCGTTTATTAAACCGCC TTCACACATAGGGCCGAAATGGAGATTA GAAGATGCTTTTGGCTCATTATCATG ATACTTCTTAACTA
118 127 136 145 154 163 172 181 190 199 208 217 226
Not I Psp I

CCCAGTGTATTACCAACAA CCGTTCGAACGTCAGT TTTTACATTAACGATCTCATATTCCGATCTTA TGGCACAACCTG AACGTTGTAATAACACA CATGTTGTTGTTATTA
235 244 253 262 271 280 289 298 307 316 325 334 343

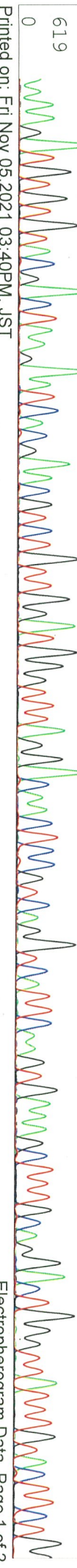
TTTTGTGTCGTCGCCATC TTTAAACCA TATTGATTAATTGGTTCCATT TTGGCCGATA GAAGACATTGATTTTTATTTGTGACATCTCTCTTGGTTTATCACTCGCTTGGTTCA
13 352 361 370 379 388 397 406 415 424 433 442 451

GTACGA GTTTCCTTACA AACTTCATCAAGATTGGA TTGGAA GACTAAGACCAGATTTCTTAGATCGTTGCCAA CCGTGTGAAAGCCTT GCCATTGGACACTTTA TTTA CTGC
460 469 478 487 496 505 514 523 532 541 550 559 568

Xba I (curetolyated)

AAAA GATGTTGTGTAC GACTAA GAATCACCGAACG TCTGTTGGATGGGT TTAGACAACTCCGTCAGGTCA TCAAGTGA AAAGCTTTGCGACGACTGGTATTG TTA CTTCTG
38 577 586 595 604 613 622 631 640 649 658 667 676

Hind III



S/N G:43 A:35 T:33 C:32

D07536A4_B0Ln_2_TDH3pro_F

Oct 20, 2021 02:53PM, JST

KB:bcp

KB_3500_POP7_BDTV3.mob

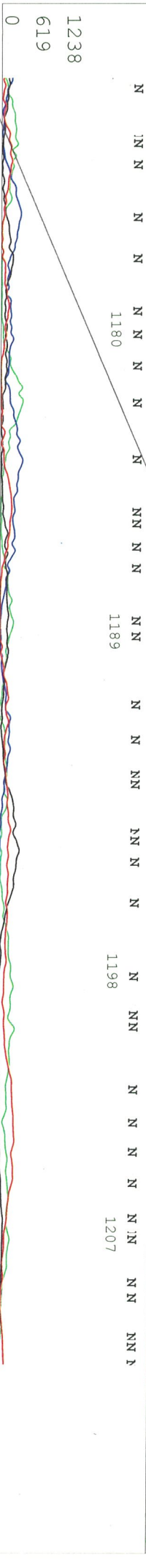
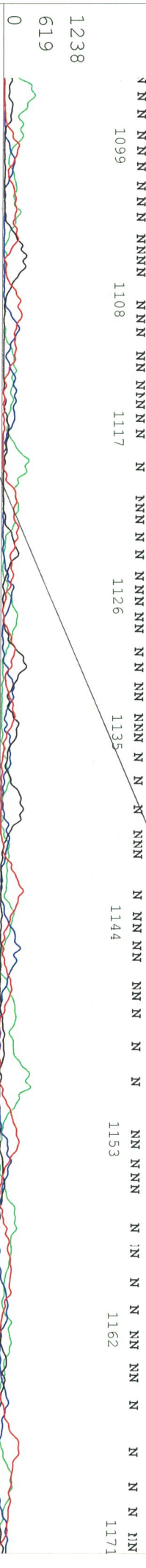
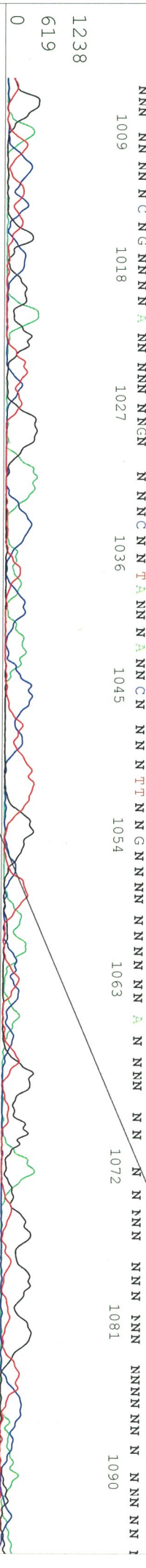
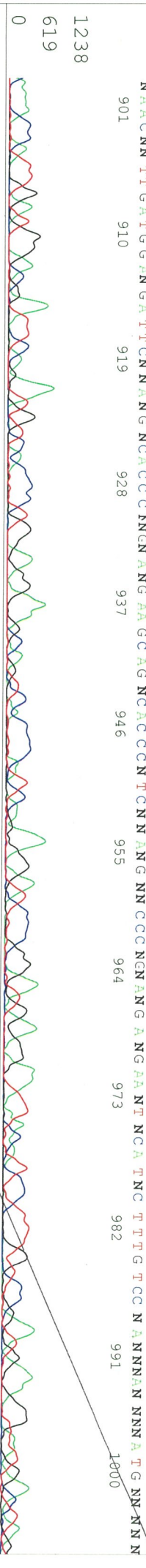
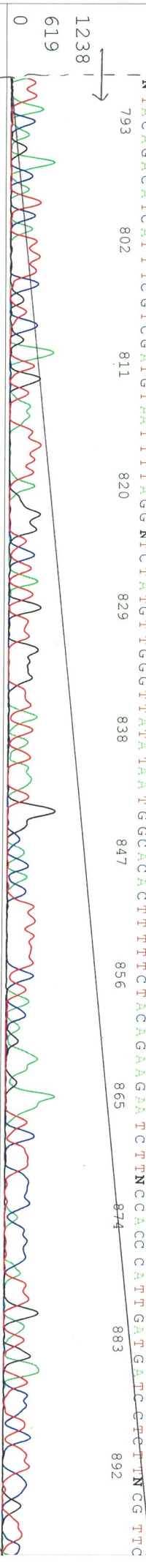
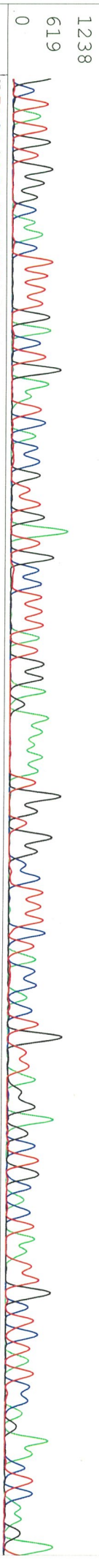
Oct 20, 2021 03:22PM, JST

KB 1.4.1.8 Cap:14

Pts 1348 to 13301 PK1 Loc:1325

Spacing:11.78 Pts/Panel1350

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S/N G:97 A:115 T:65 C:71

D07536A4_B0Ln_2_CYC1ter_R

Oct 22, 2021 02:06PM, JST

KB.bcp

KB_3500_POP7_BDTV3.mob

Oct 22, 2021 02:34PM, JST

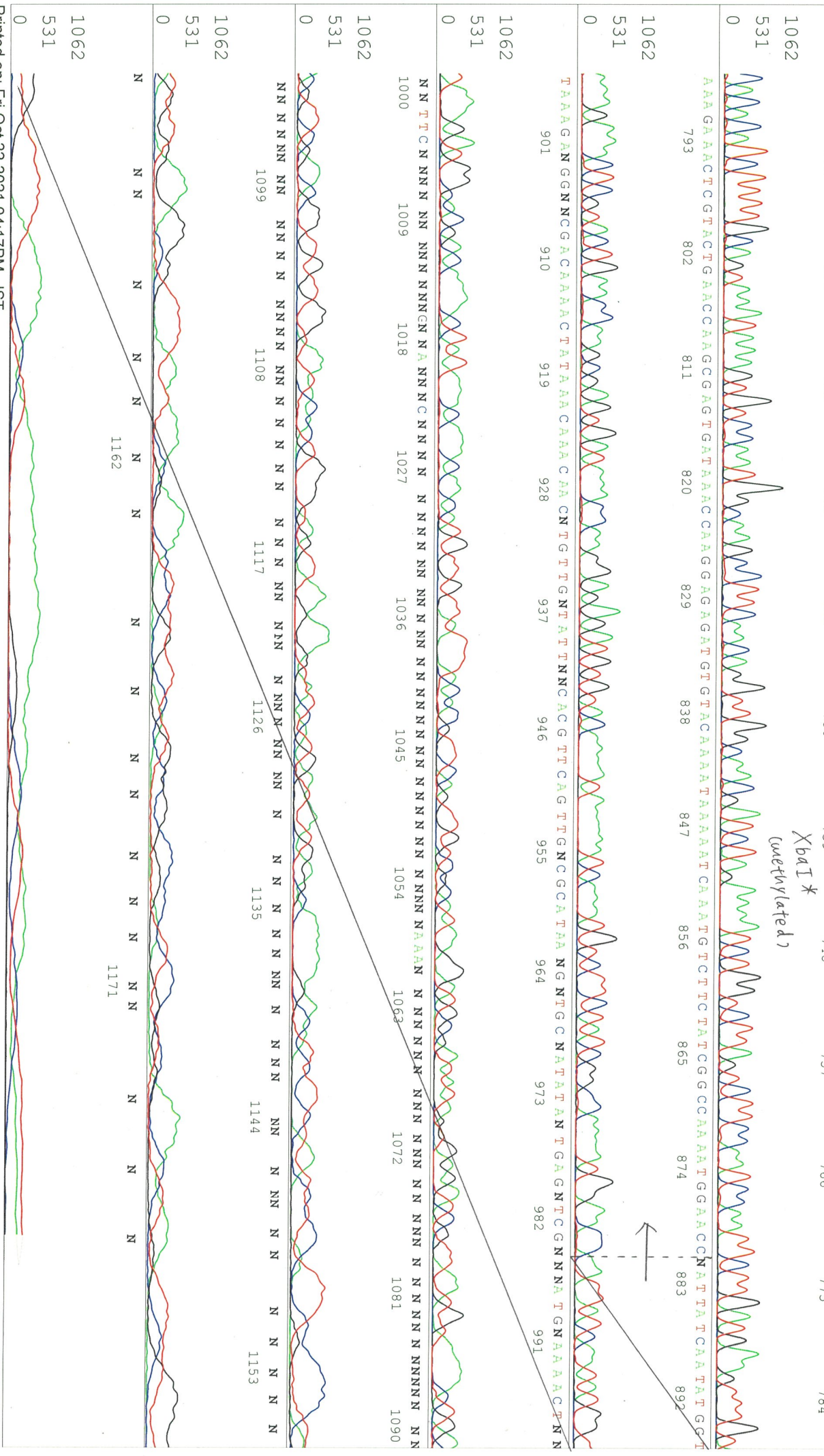
KB 1.4.1.8 Cap:6

Pls 1413 to 13551 PK1 Loc:1390

Spacing:12.07 Pts/Panel1350

Version 6.0 HiSQV Bases: 964

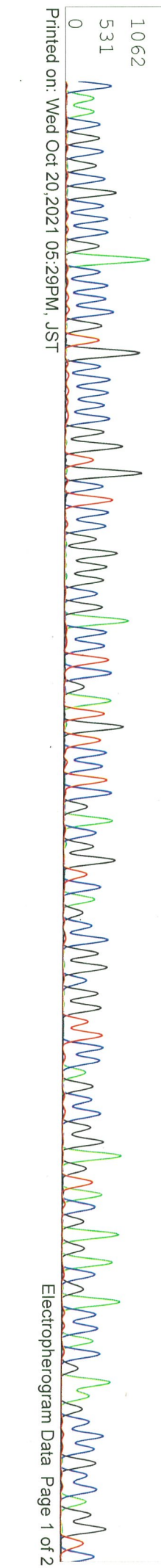
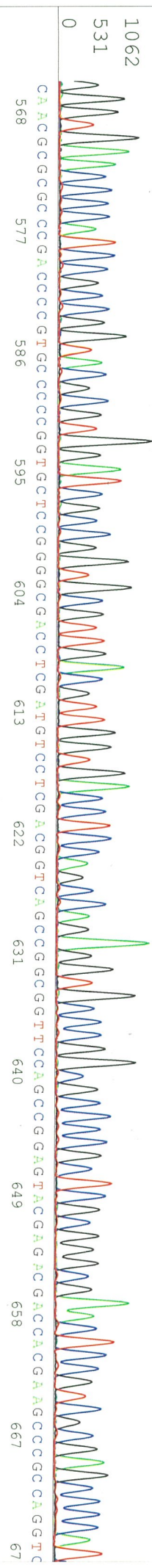
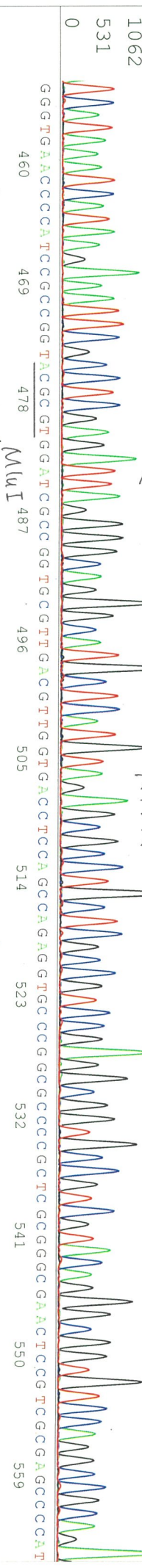
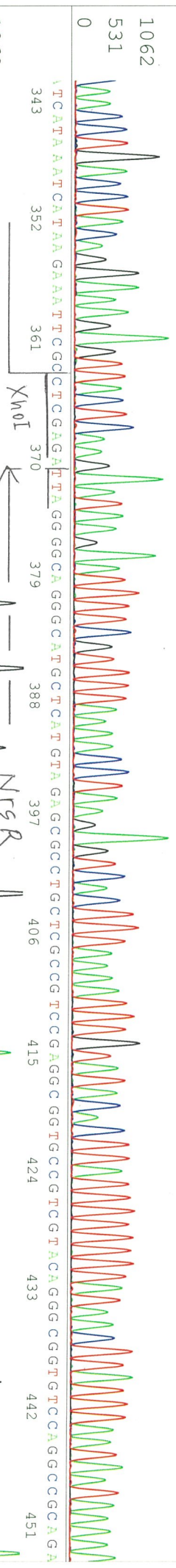
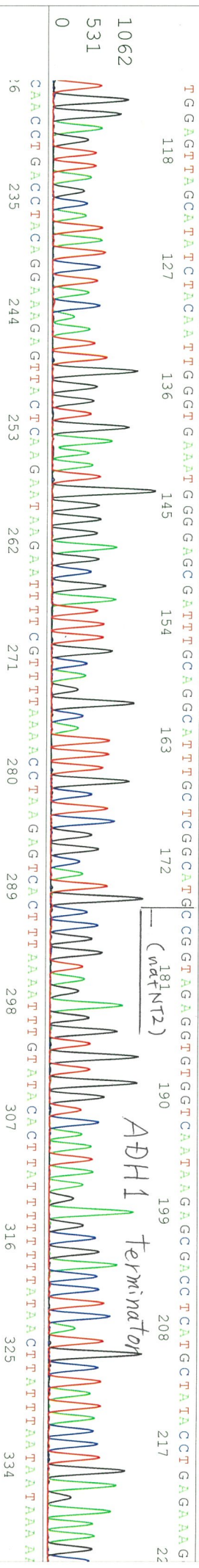
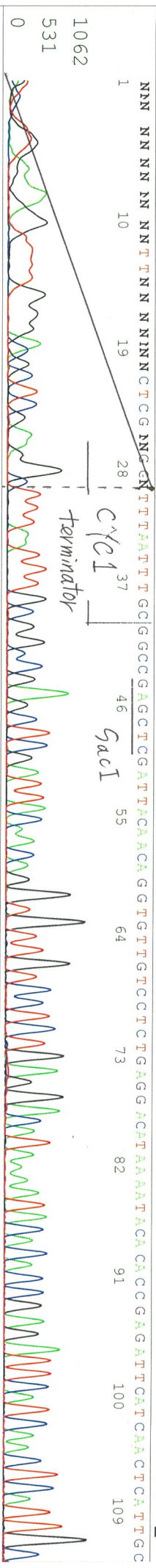
XbaI*
(overhauled)



S/N G:67 A:47 T:38 C:5 primer name E : CYC1ter_F
 KB.bcp 5- TGTAGCGATGTAACATTACTG -3'
 KB 1.4.1.8 Cap:11

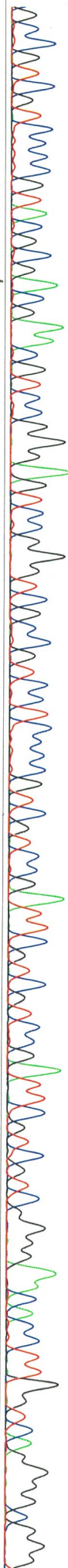
D07536A4_B0Ln_2_CYC1ter_F
 KB_3500_POP7_BDTV3.mob
 PIs 1355 to 13049 Pk1 Loc:1332
 Version 6.0 HiSQV Bases: 962

Oct 20, 2021 02:53PM, JST
 Oct 20, 2021 03:22PM, JST
 Spacing: 11.71 Pts/Panel1350
 Plate Name: 20211020_mlx



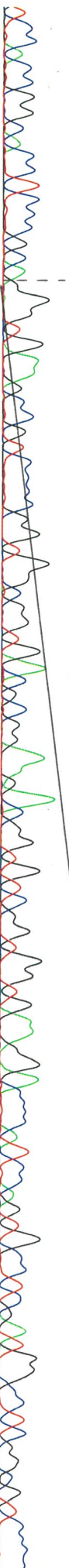
G C C C T C G T C C C C C G T A C G C G A C G A A C G T C C C G G A G T C C G G G T C G C C C G T C C C C C G T C C G T C C C G A T T C C G T C G T C C C G A T T C C G T C C G G G A A C A C C T T G G T C A G G G C C G G

6 685 694 703 712 721 730 739 748 757 766 775 784



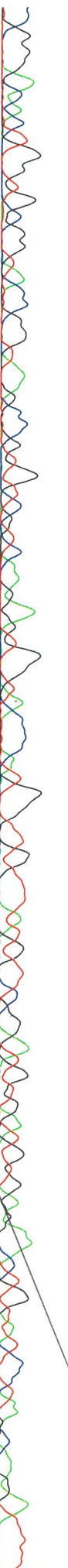
T C C A C C G G C A C C C T C C C G C A N G G T G A A G C C C T C C C C G T G G C C G T G A N G C G G A A G A C G G T G T C C G T G T G A A G A N C C A T C C N G N G C C T C G A T G G N T C C G C G N C C C

793 802 811 820 829 838 847 856 865 874 883 89



J C G G G A N A C T G G T G C G G T A N C G G T A A G C C G N G N C N N A G A N N G G T A C C C A T G G N T G N T T A T G T N C N N N G T G A T G T G A G N N T G T A T C N T A N C N N G A N T T N

2 901 910 919 928 937 946 955 964 973 982 991



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

1000 1009 1018 1027 1036 1045 1054 1063 1072 1081



I N N N N N N N N N N N N G N I N

1090 1099 1108 1117 1126 1135 1144



N N

1153 1162

