

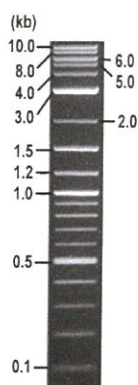


**RIKEN DNA BANK**

clone name : pETDuet-2B4-2B2\_dE310K

- Clone ID : RDB \_ 18641
- Lot : 18641 \_ B0Lb
- 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
<b>MluI</b>	<b>8.0</b> kbp
<b>EcoRI</b>	<b>6.9, 1.1</b> kbp
<b>XhoI</b>	<b>6.5, 1.5</b> 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	Pr0065	pBR322_BamHI_R	lacO, RBS, insert 5' (2B4 5')
Sequence - B	Pr0155	T7 terminator	insert 3' (2B2 3')
Sequence - C	Pr0935	hEIF2B-M_F1	insert mid (2B4 E310K)
Sequence - D	Pr0902	hEIF2Bb_R	insert mid (2B2 5', RBS, lacO, T7pro, 2B4 3')
Sequence - E	Pr0664	pGL4pA_R	lacI
Sequence - F	-	-	-
Sequence - G	-	-	-
Sequence - H	-	-	-

APPROVED BY :

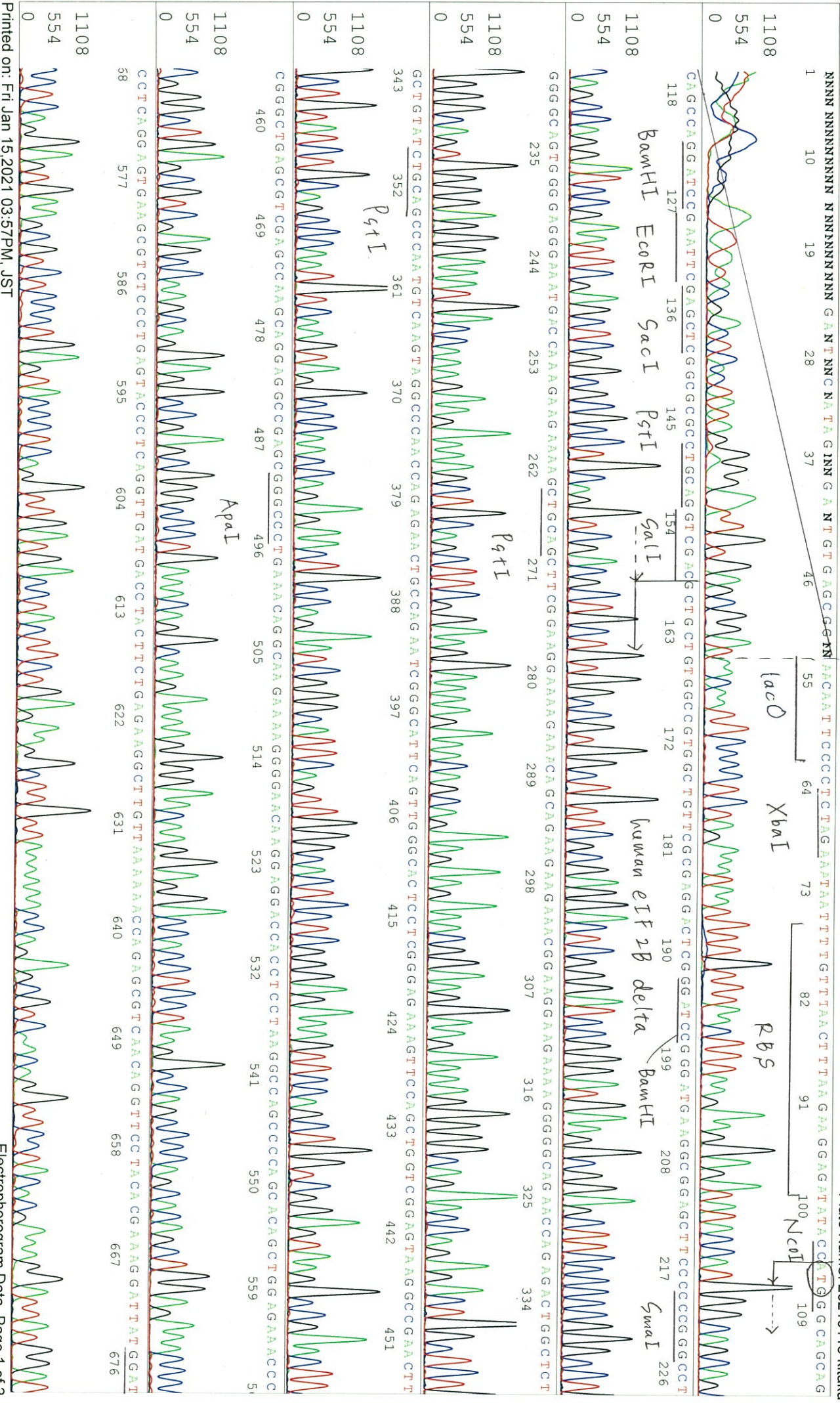


S/N G:68 A:54 T:41 C:48  
 KB.bcp  
 KB 1.4.1.8 Cap.4

primer name A : pBR322\_BamHI\_R  
 5- ATGCGTCCGGCGTAGA -3'

KB\_3500\_POP7\_BDTV3.mob  
 Pts 1474 to 13571 PK1 Loc:1451  
 Version 6.0 HISQV Bases: 935

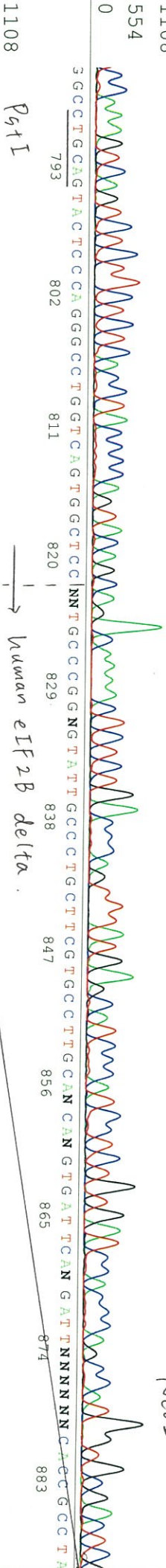
Jan 15, 2021 01:51PM, JST  
 Jan 15, 2021 02:19PM, JST  
 Spacing: 11.91 Pts/Panel1350  
 Plate Name: 20210115 Kitaku



S/N G:68 A:54 T:41 C:48  
KB.bcp  
KB 1.4.1.8 Cap:4

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

NcoI



3GCCGTCAGTACTCCCAAGGCGCTGTGTCAGTGGCTCCNNTGCCCGGNGTATTGCCCTGCTTCGGTGGCTTGCANCGATTCANGATNNNNNCACTGCTA  
793 802 811 820 829 838 847 856 865 874 883

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

NNTCNAGNNNCTTNNCNNGNANNCAANNANNNNTNNNNNGGNNNNNNNTCCANCGAATGNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN  
991 1000 1009 1018 1027 1036 1045 1054 1063

NN  
1072 1081 1090 1099 1108 1117 1126

NN  
1135 1144 1153 1162

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



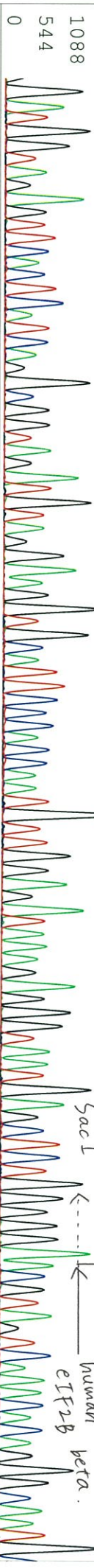
Sac I

Kpn I

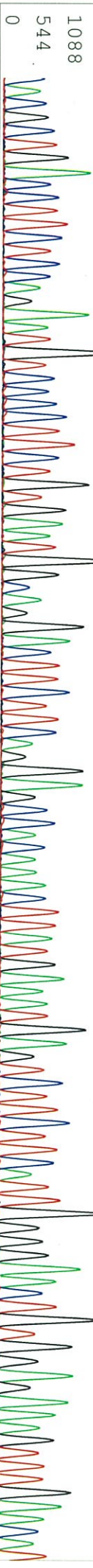
human

eIF2β

beta.



1088 544 0



1088 544 0



Apa I



1088 544 0



1088 544 0



S/N G:49 A:46 T:40 C:43

primer name C : HEIF2B-M\_F1

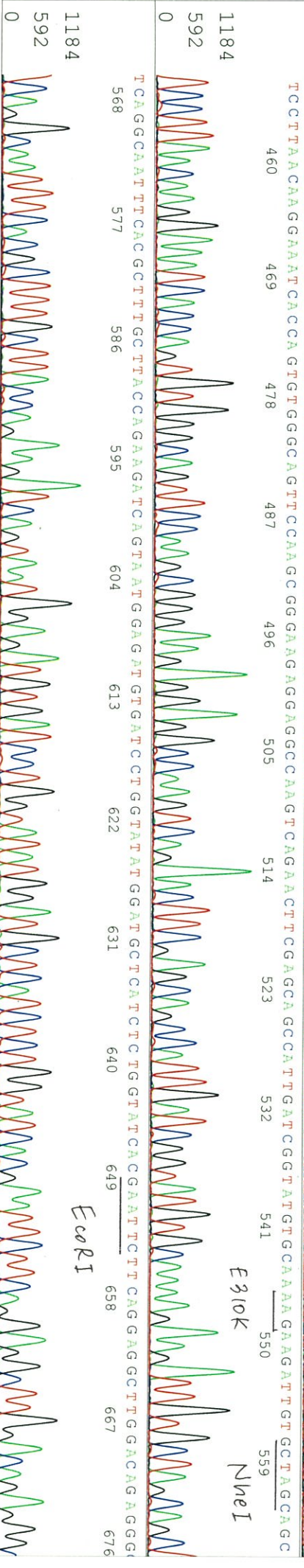
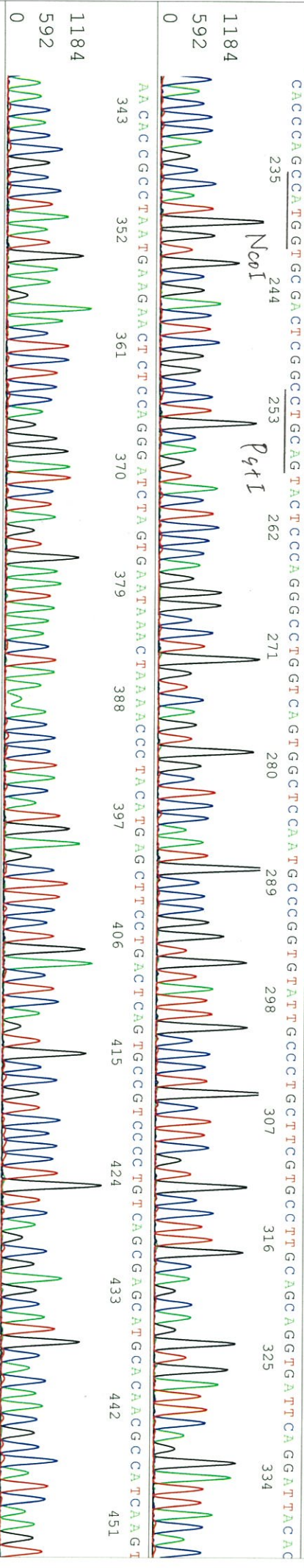
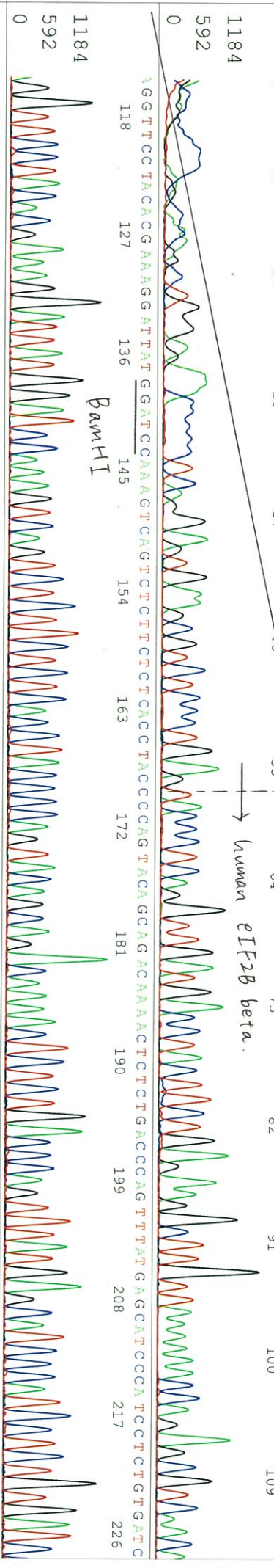
KB.bcp 5'-AAAGGGGAACAAGGAGGACC-3'

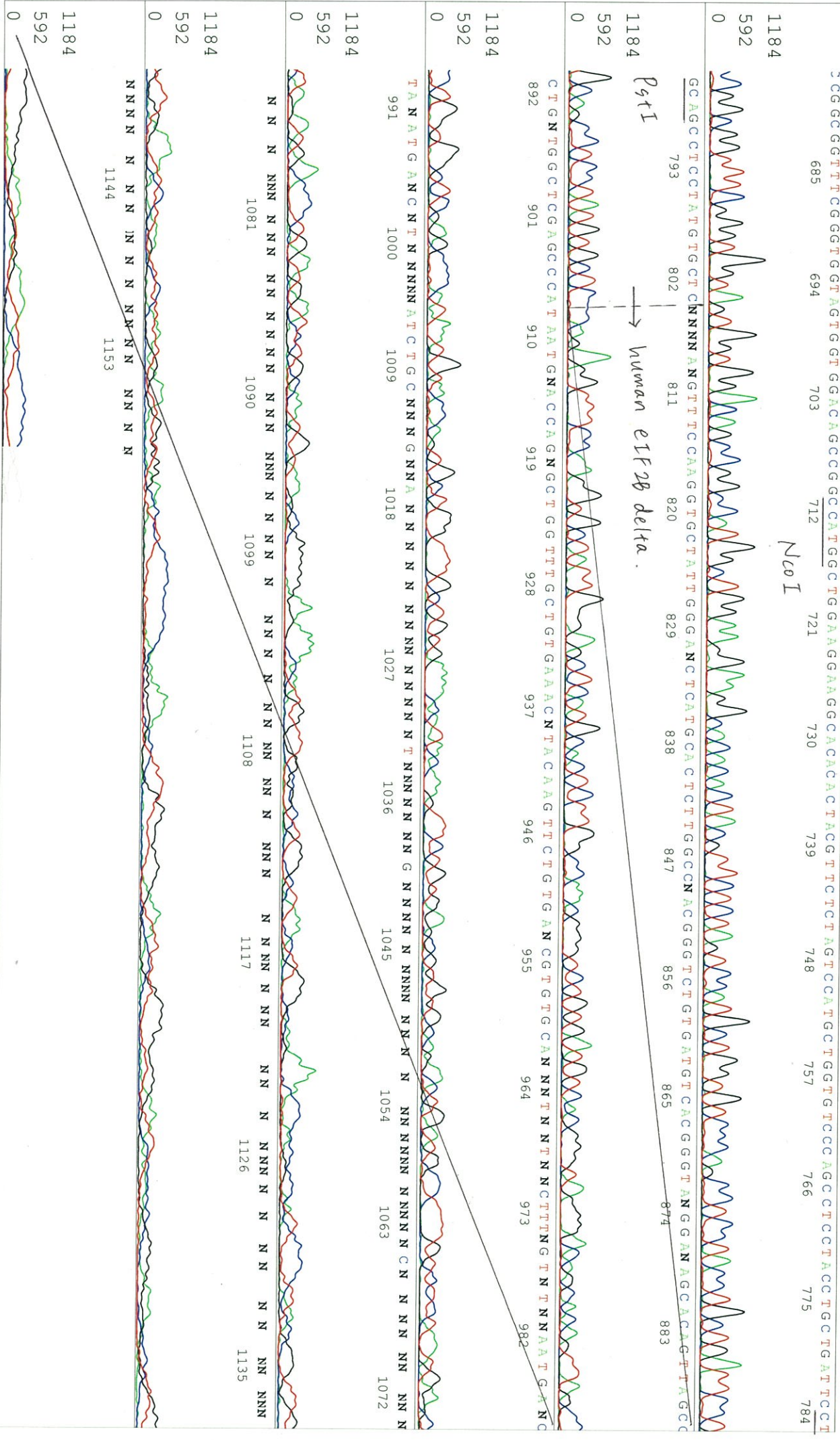
KB 1.4.1.8 Cap6

Jan 15, 2021 01:51PM, JST  
Jan 15, 2021 02:19PM, JST  
Spacing: 12.09 Pts/Panel1350  
Plate Name: 20210115 Kitaku

N NNNNNN N INN NNNNN N NN N NN NNNN C C C C N NN N N N T G A A G C C T C T C C C C T G A N T A C C C T C A G G T T G A T G A C C T A C T T C T G A G A A G G C T T G T T A A A A A C C A G A G C C T C A A C I

human *EIF2B* beta.





S/N G:35 A:33 T:34 C:39

D07570A3\_B01b\_3\_heIF2Bb\_R

Jan 15, 2021 01:51PM, JST

KB.bcp

primer name D : heIF2Bb\_R

KB\_3500\_POP7\_BDTV3.mob

Jan 15, 2021 02:19PM, JST

KB 1.4.1.8 Cap1:7

5'-GAGCACTCTCCGACCATG-3'

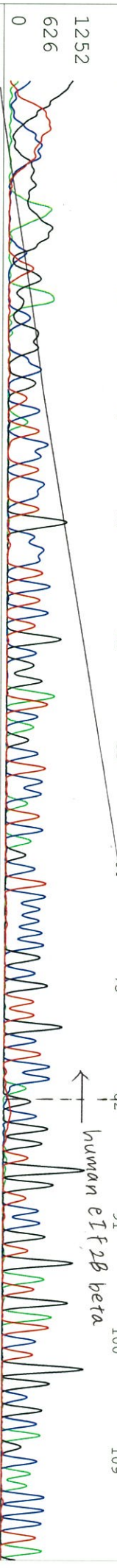
Pts 1445 to 13641 Pk1 Loc:1422

Spacing:12.3 Pts/Panel1350

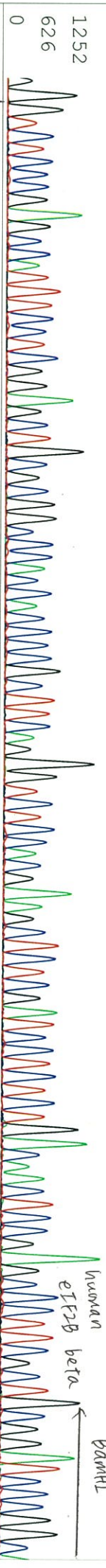
Version 6.0 HiSQV Bases: 938

Plate Name: 20210115 Kitaku

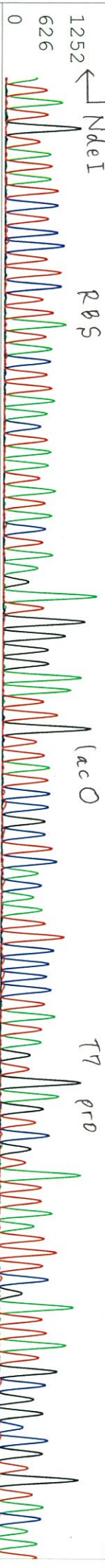
1 10 19 28 37 46 55 64 73 82 91 100 109



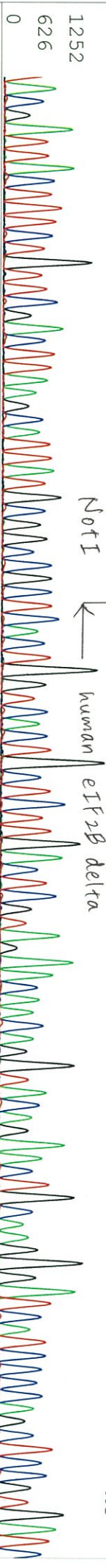
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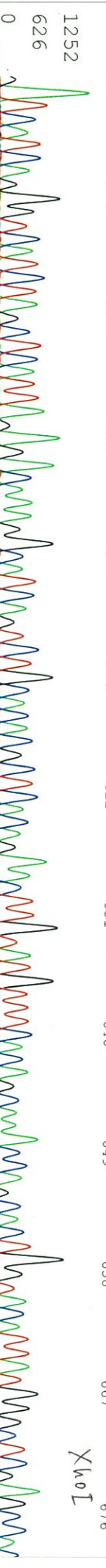
TACGATTACTTCTGTTCGACTTAAGCATTATGCCGCCGCTCACCTGTCACCTGCTCTTGACTCGTAGAAACAAGTACAGAACTGCAAGGATCATCCCAAGCTCCGTGATC



ACCAGATCCACAAGCTCTGGGGAGTCCACAACAACAAGGATGCGGTTCTGCCAGTTAGCCAGCCGCAACATGTTCTCCCGCTTACATTGCA



GATCATCAGGGTCACTAGCTCATTTAGAGACAAGGCATCAAGTCTGGCAACCGCTCACAGAACTTGATGTTTCCACAGCAAACAGCACTGGTACATTATGGGCTCGAGCCA





S/N G:35 A:33 T:34 C:39

D07570A3\_B0Lb\_3\_heIF2Bb\_R  
KB\_3500\_POP7\_BDTV3.mob

Jan 15, 2021 01:51 PM, JST

KB.bcp

Pls 1445 to 13641 Pk1 Loc:1422

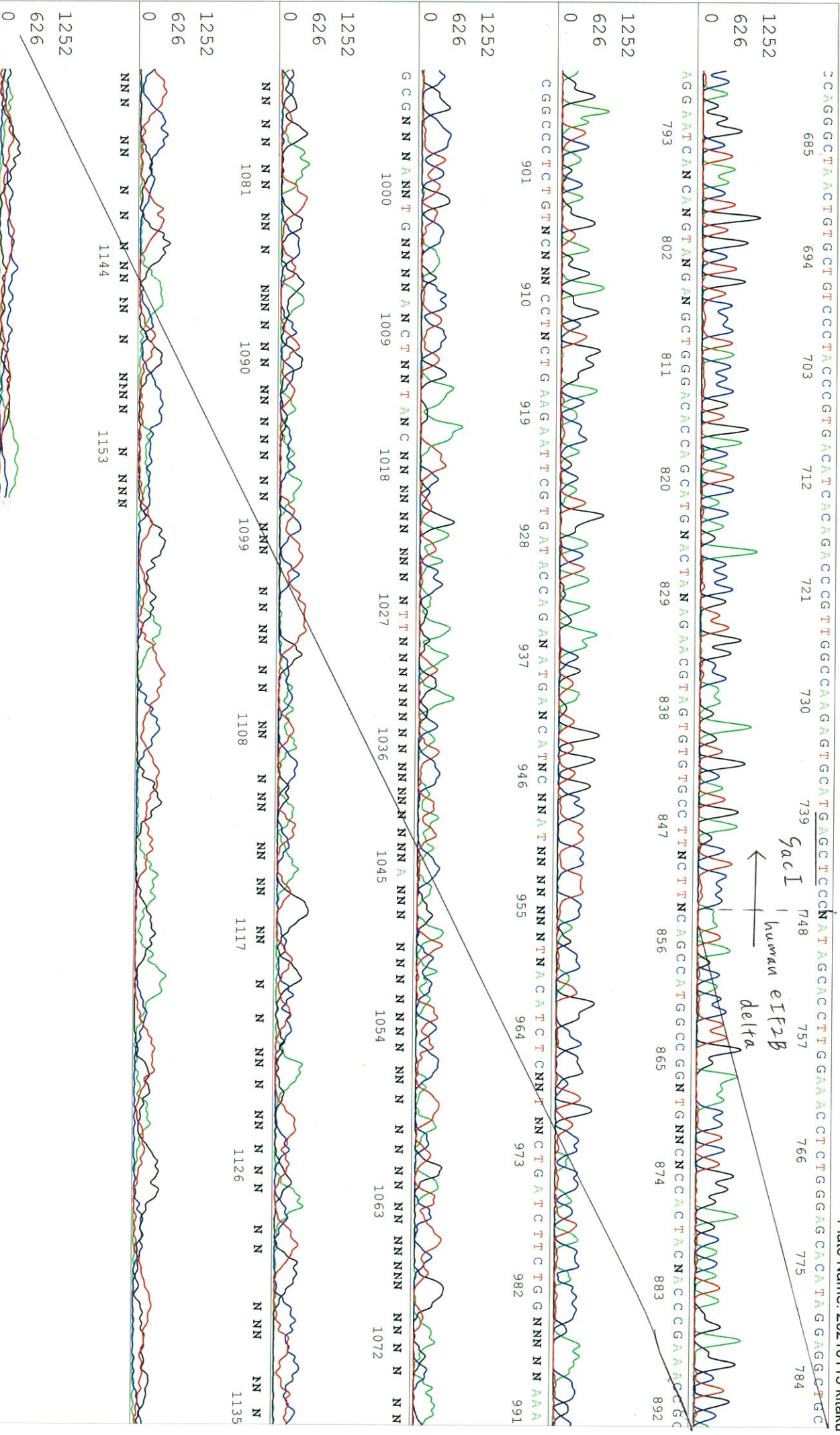
Jan 15, 2021 02:19 PM, JST

KB 1.4.1.8 Cap:7

Version 6.0 HISQV Bases: 938

Spacing:12.3 Pls/Panel1350

Plate Name: 20210115 Kitaku



S/N G:32 A:22 T:20 C:24

primer name E : pGL4pa\_R

D07570A3\_B0Lb\_3\_pGL4pa\_R

KB\_3500\_POP7\_BDTV3.mob

Jan 15, 2021 01:51PM, JST

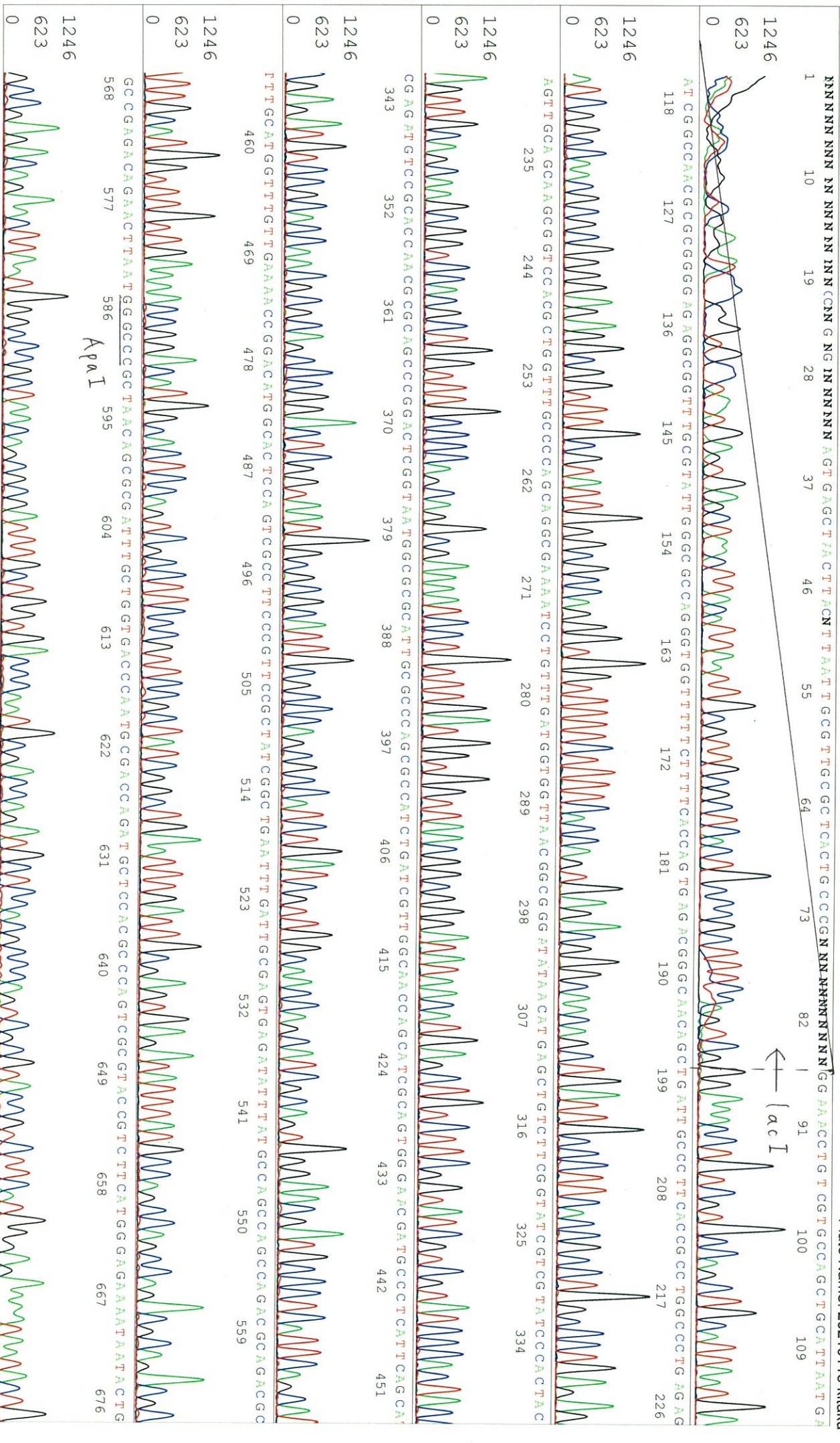
KB.bcp

5-GGAAGGAGCTGACTGGTTGAA-3'

Pts 1460 to 13645 Pk1 Loc:1437

Version 6.0 HISQV Bases: 946

Jan 15, 2021 02:19PM, JST  
Spacing: 12.11 Pts/Panel1350  
Plate Name: 20210115 Kitaku



S/N G:32 A:22 T:20 C:24

D07570A3\_BOLb\_3.pGL4pa\_R

Jan 15, 2021 01:51PM, JST

KB.bcp

KB\_3500\_POP7\_BDTv3.mob

Jan 15, 2021 02:19PM, JST

KB 1.4.1.8 Cap:8

Pts 1460 to 13645 PK1 Loc:1437

Spacing: 12.11 Pts/Panel1350

Version 6.0 HISQV Bases: 946

Plate Name: 20210115 Kitaku

