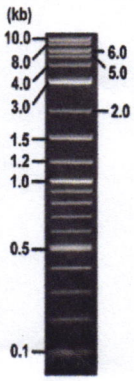
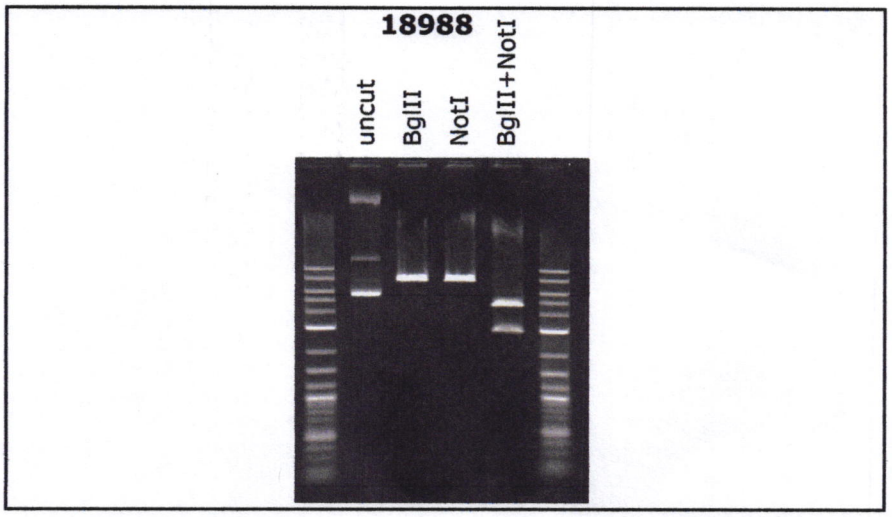
Gene Engineering Division
RIKEN BioResource Research Center

# RIKEN DNA BANK clone name : pEF-Tim4-Fc

- **Clone ID** : RDB _ 18988
- **Lot** : 18988 _ B1Dr
- **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 | |
|---|---|---|---|
| **BglII** | : | **7.6** | kbp |
| **NotI** | : | **7.6** | kbp |
| **BglII+NotI** | : | **4.7, 2.9** | 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 | Pr0168 | EF1a-C_F | EF-1 alpha pro,insert 5'(mTim4(aa 1-273) 5') |
| Sequence - B | Pr1105 | hIgG-genome_R1 | insert 3'(splice donor site,mTim4(aa 1-273) 3') |
| Sequence - C | Pr0031 | hGCSF_R | hG-CSF 3'UTR+pA,IgG Fc-region |
| Sequence - D | Pr1251 | Fc-CH2M_R | IgG Fc-region,insert 3'(splice donor site, mTim4(aa 1-273) 3') |
| Sequence - E | Pr0024 | EF1a-N_R | EF-1 alpha pro,SV40 pro_ori,lacO,lac pro |
| Sequence - F | - | - | - |
| Sequence - G | - | - | - |
| Sequence - H | - | - | - |

APPROVED BY :

確認 22.12.02 岸川

Applied Biosystems

S/N G:77 A:57 T:45 C:58
KB.bcp
KB 1.4.1.8 Cap:16

primer name A : EF1a-C_F
5'-AGTTAGGCCAGCTTGGCACTTGATG-3'

D07990C7_B1Dr_3_EF1a-C_F_F04_16_ABI24
D07990C7_B1Dr_3_EF1a-C_F
KB_3500_POP7_BDTv3.mob
Pts 1353 to 14058 Pk1 Loc:1330
Version 6.0 HiSQV Bases: 964

Inst Model/Name 3500/3500 Instrument
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Jan 21,2022 04:52PM, JST
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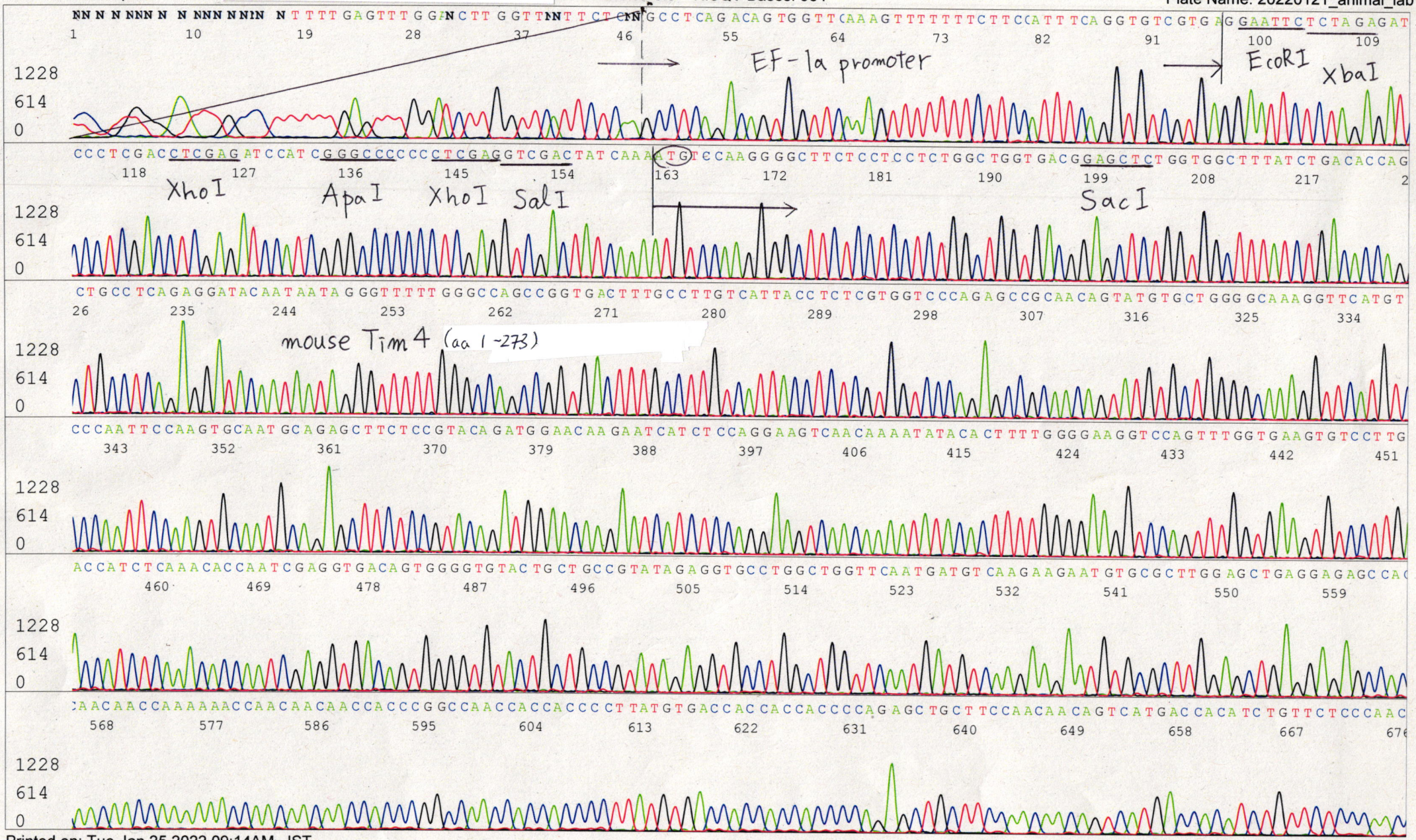

Applied Biosystems

S/N G:77 A:57 T:45 C:58
KB.bcp
KB 1.4.1.8 Cap:16

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KB_3500_POP7_BDTv3.mob
Pts 1353 to 14058 Pk1 Loc:1330
Version 6.0 HiSQV Bases: 964

Inst Model/Name 3500/3500 Instrument
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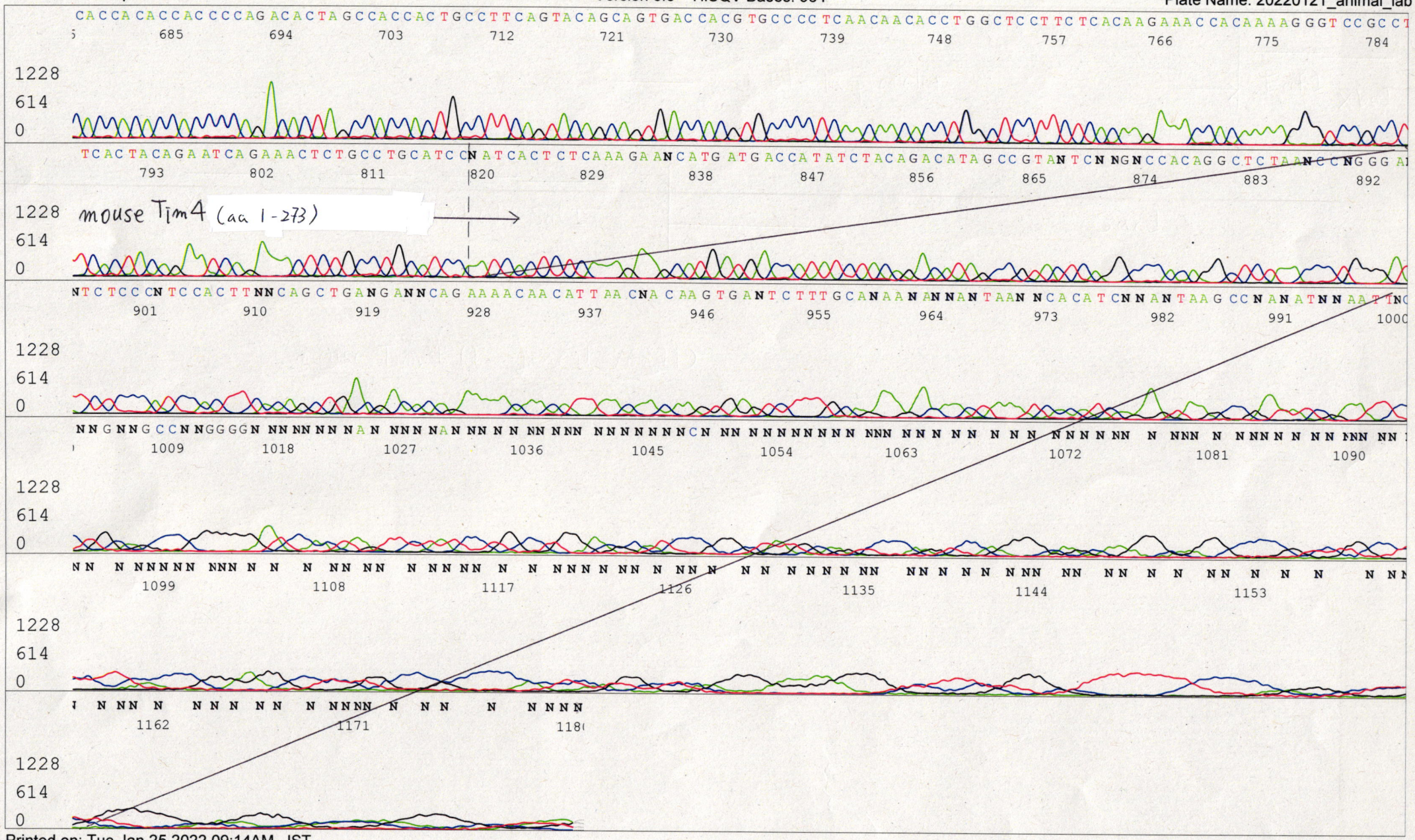

Applied Biosystems

S/N G:19 A:11 T:11 C:10
KB.bcp
KB 1.4.1.8 Cap:22

primer name B : hIgG-genome_R1
5'-CTTTGGGGTGGGCTTAGGTC-3'

D07990C7_B1Dr_3_hIgG-genome_R1_H04_22_ABI24
D07990C7_B1Dr_3_hIgG-genome_R1
KB_3500_POP7_BDTv3.mob
Pts 1373 to 14551 Pk1 Loc:1350
Version 6.0 HiSQV Bases: 942

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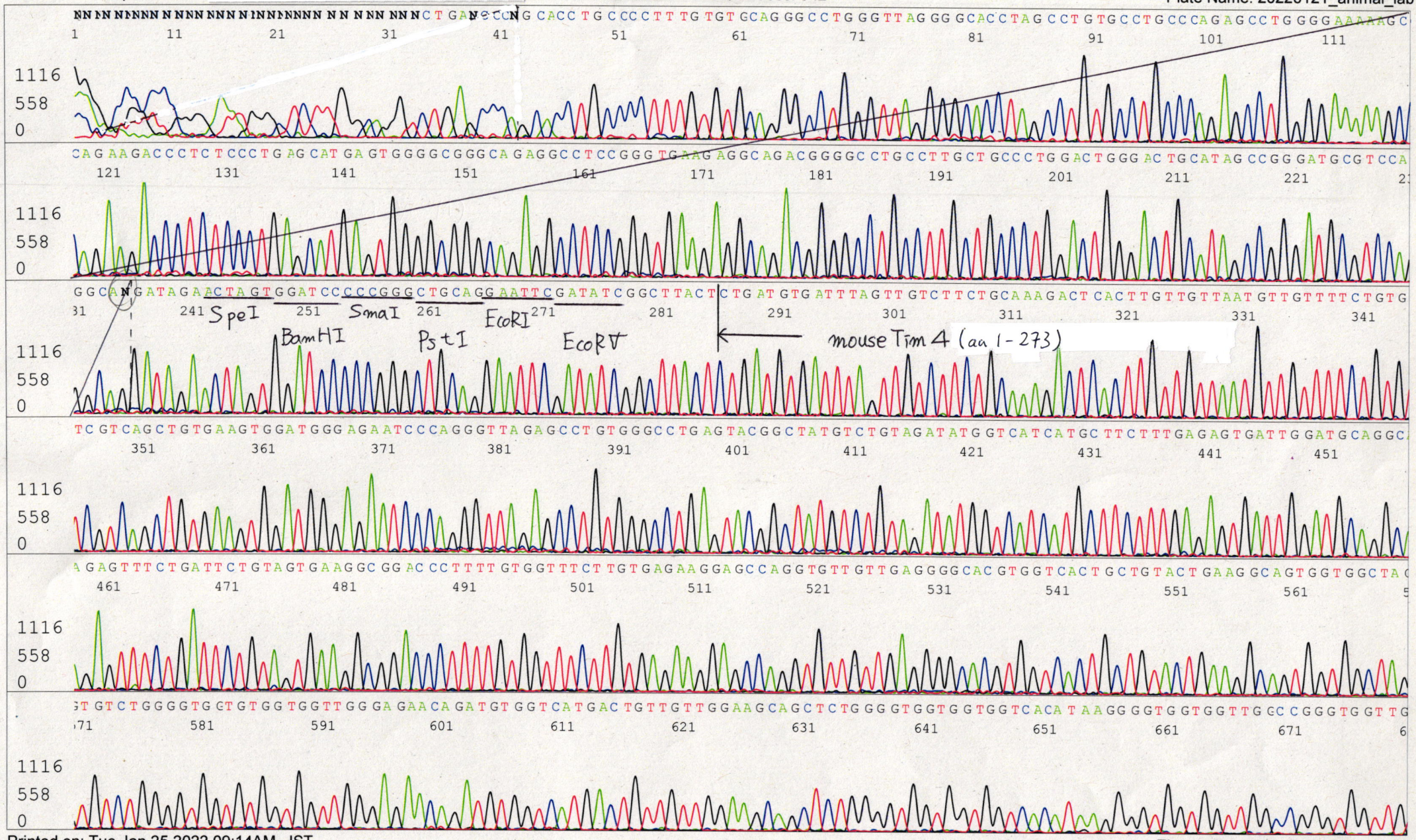

Applied Biosystems

S/N G:19 A:11 T:11 C:10
KB.bcp
KB 1.4.1.8 Cap:22

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D07990C7_B1Dr_3_hlgG-genome_R1
KB_3500_POP7_BDTv3.mob
Pts 1373 to 14551 Pk1 Loc:1350
Version 6.0 HiSQV Bases: 942

Inst Model/Name 3500/3500 Instrument
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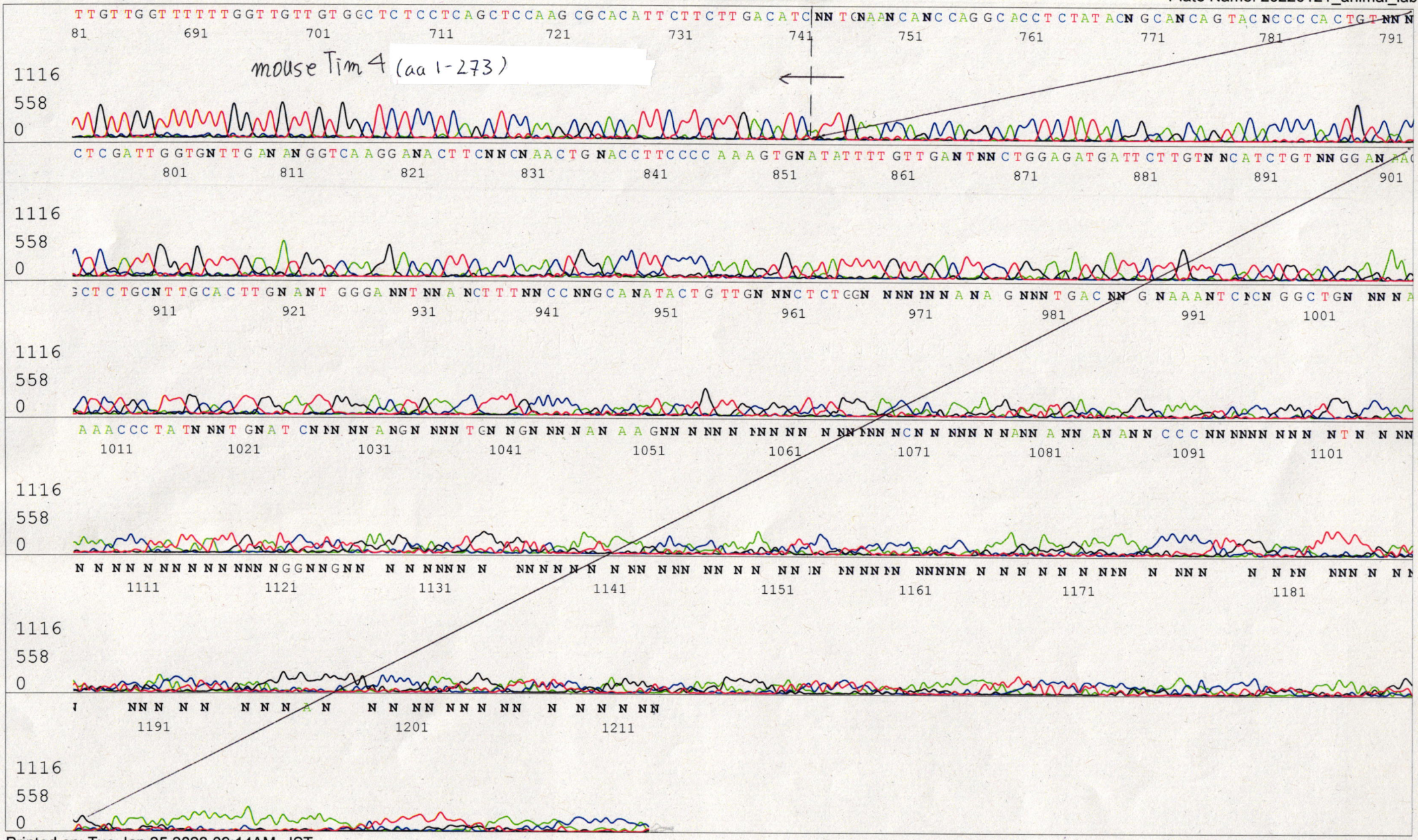

Applied Biosystems

S/N G:58 A:22 T:20 C:25
KB.bcp
KB 1.4.1.8 Cap:19

primer name C : hGCSF_R
5'-TATTAAACAGGGATTTCTTG -3'

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D07990C7_B1Dr_3_hGCSF_R
KB_3500_POP7_BDTv3.mob
Pts 1335 to 14207 Pk1 Loc:1312
Version 6.0 HiSQV Bases: 975

Inst Model/Name 3500/3500 Instrument
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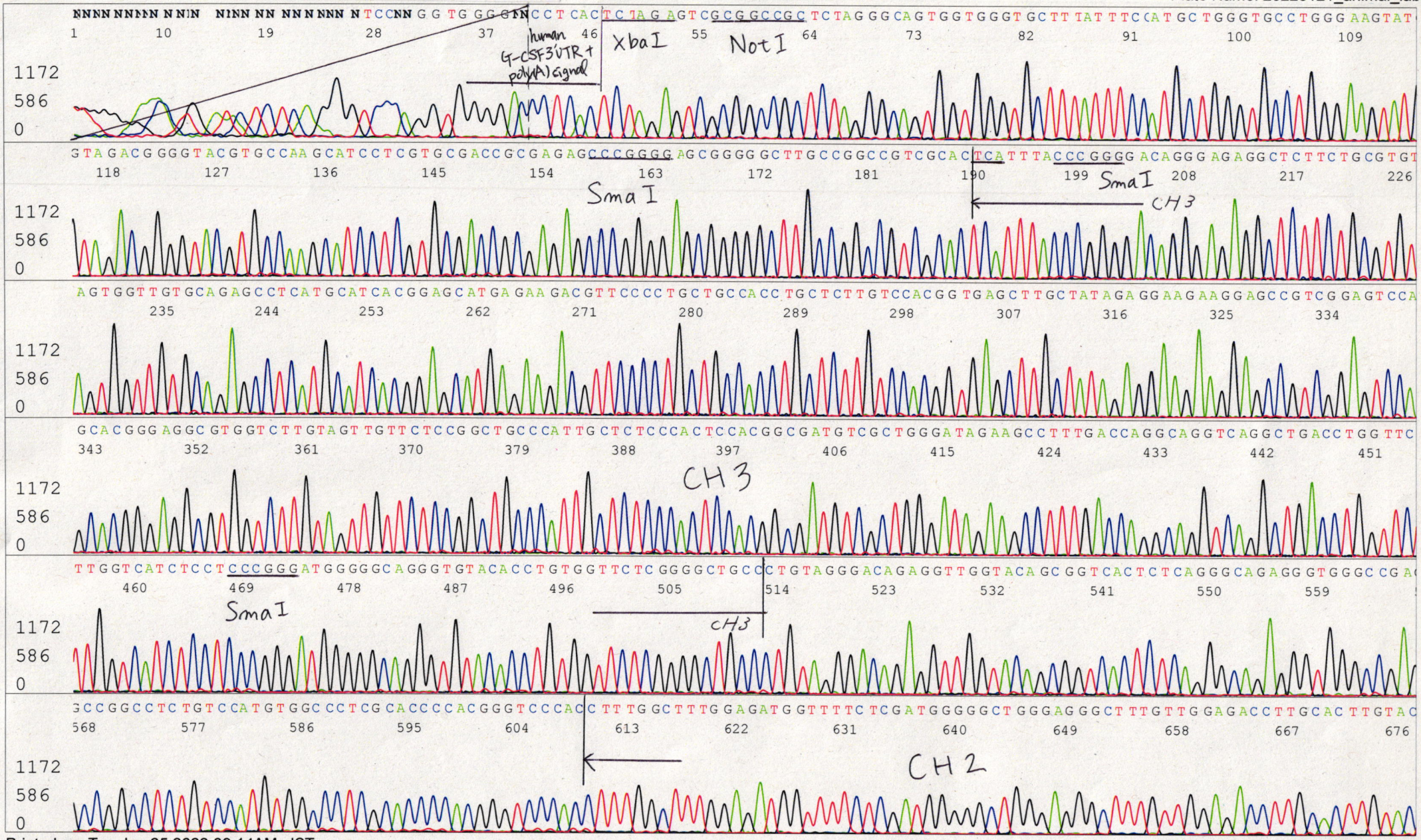
Spacing:12.5 Pts/Panel1350
Plate Name: 20220121_animal_lab



Applied Biosystems

S/N G:58 A:22 T:20 C:25
KB.bcp
KB 1.4.1.8 Cap:19

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D07990C7_B1Dr_3_hGCSF_R
KB_3500_POP7_BDTv3.mob
Pts 1335 to 14207 Pk1 Loc:1312
Version 6.0 HiSQV Bases: 975

Inst Model/Name 3500/3500 Instrument
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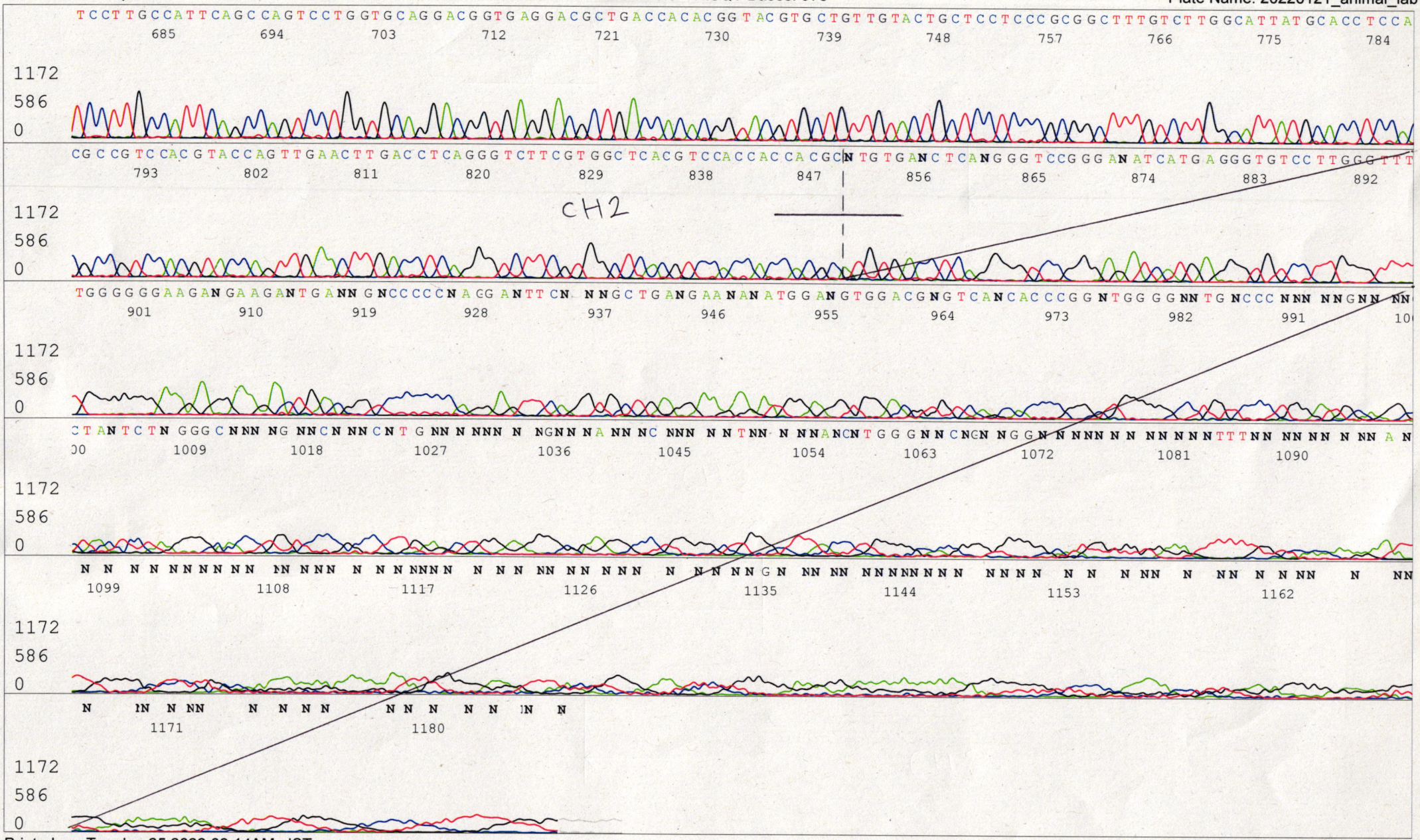
Spacing:12.5 Pts/Panel1350
Plate Name: 20220121_animal_lab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1172
586
0
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793 802 811 820 829 838 847 856 865 874 883 892
CH2
1172
586
0
TGGGGGGAAGANGAAGANTGANNGNCCCCCNAGGANTTCN NNGCTGANGAANANATGGANGTGGACGNGTCANCACCCGGNTGGGGNNTGNCCCNNN NNGNN NN
901 910 919 928 937 946 955 964 973 982 991 10
1172
586
0
CTANTCTN GGGCNNN NG NNCN NNCNT G NN N NNN N NGNN NA NN NC NNN N N TNN N NNANCNTGGGNNCNCN NGGN N NNN N N NN N N N TTTNN NN NN N NN A N
00 1009 1018 1027 1036 1045 1054 1063 1072 1081 1090
1172
586
0
N N N N NN N N N N NN NN N N N N

Applied Biosystems

S/N G:80 A:58 T:52 C:44
KB.bcp
KB 1.4.1.8 Cap:6

primer name D : Fc-CH2M_R
5' AGACCTTGCACTTGTACTCC 3'

18988_18988_B1Dr_3_Fc-CH2M_R_F01_06_ABI08
18988_18988_B1Dr_3_Fc-CH2M_R
KB_3500_POP7_BDTv3.mob
Pts 1366 to 13852 Pk1 Loc:1343
Version 6.0 HiSQV Bases: 971

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Nov 30,2022 01:45PM, JST
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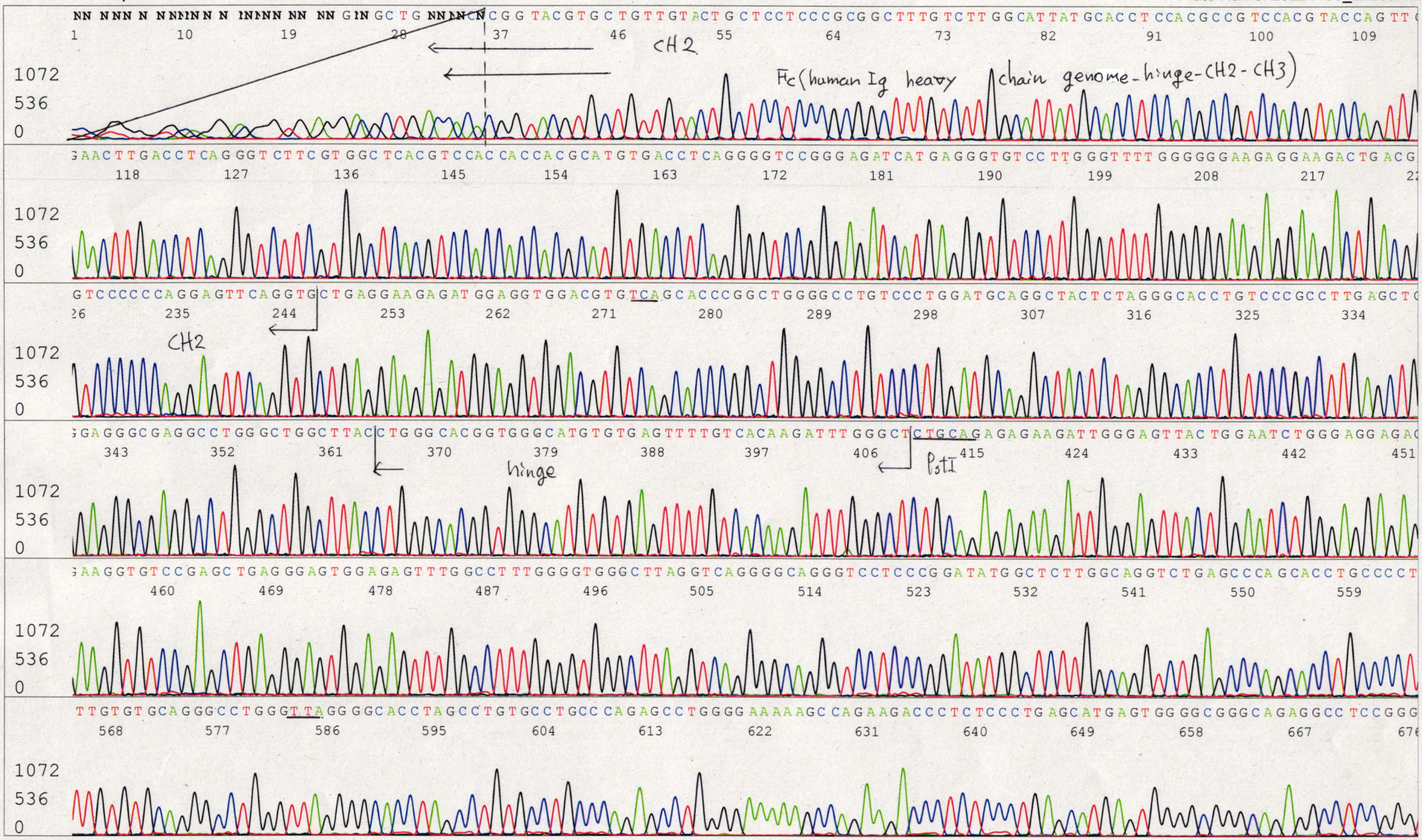
Spacing:12.33 Pts/Panel1350
Plate Name: 20221130_dnabank2



Applied Biosystems

S/N G:80 A:58 T:52 C:44
KB.bcp
KB 1.4.1.8 Cap:6

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Pts 1366 to 13852 Pk1 Loc:1343
Version 6.0 HiSQV Bases: 971

Inst Model/Name 3500/3500 Instrument
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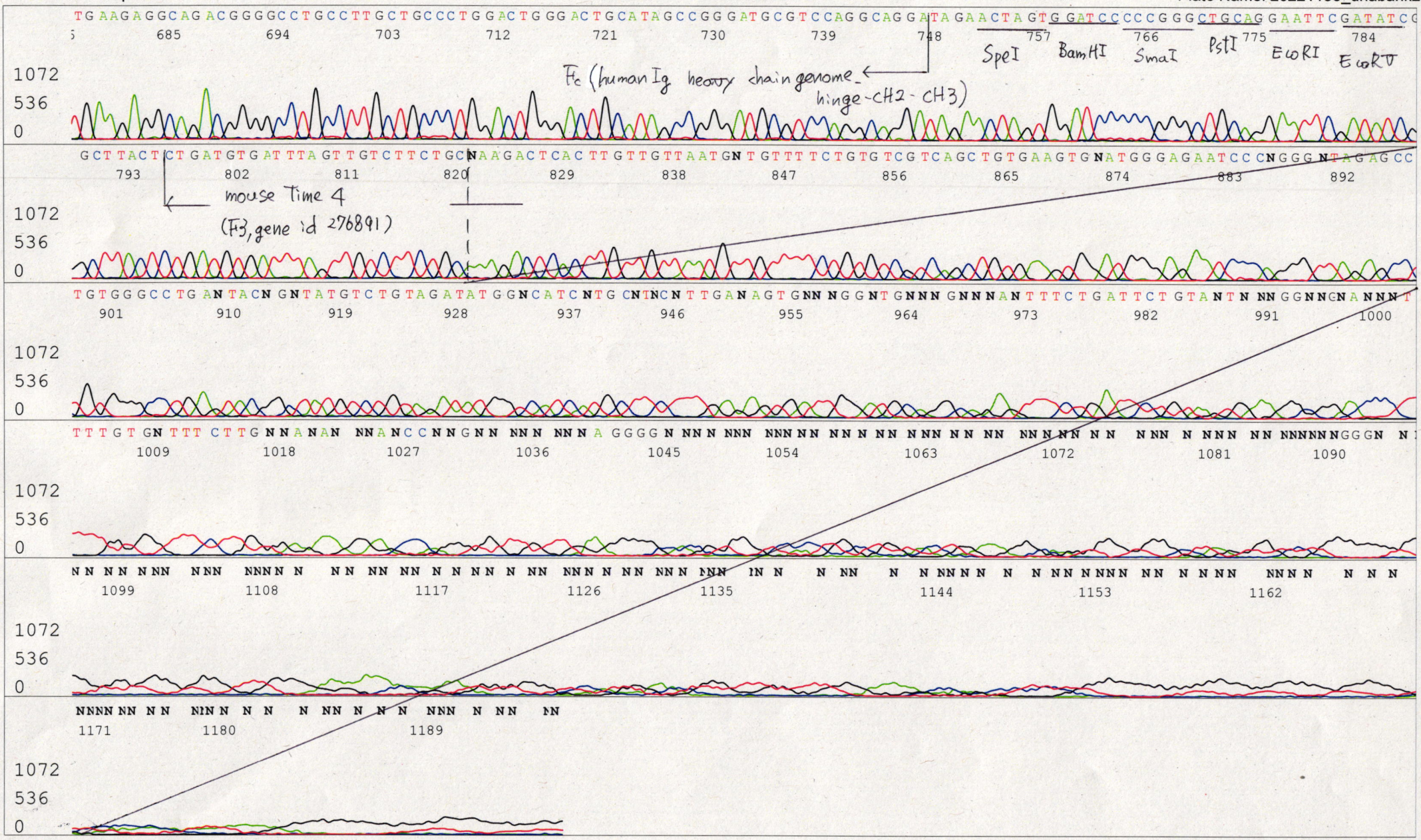
Spacing:12.33 Pts/Panel1350
Plate Name: 20221130_dnabank2



Applied Biosystems

S/N G:107 A:78 T:81 C:75
KB.bcp
KB 1.4.1.8 Cap:7

primer name E : EF1a-N_R
5' TAGGCACCGGTTCAATTG 3'

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Pts 1329 to 13798 Pk1 Loc:1306
Version 6.0 HiSQV Bases: 959

Inst Model/Name 3500/3500 Instrument
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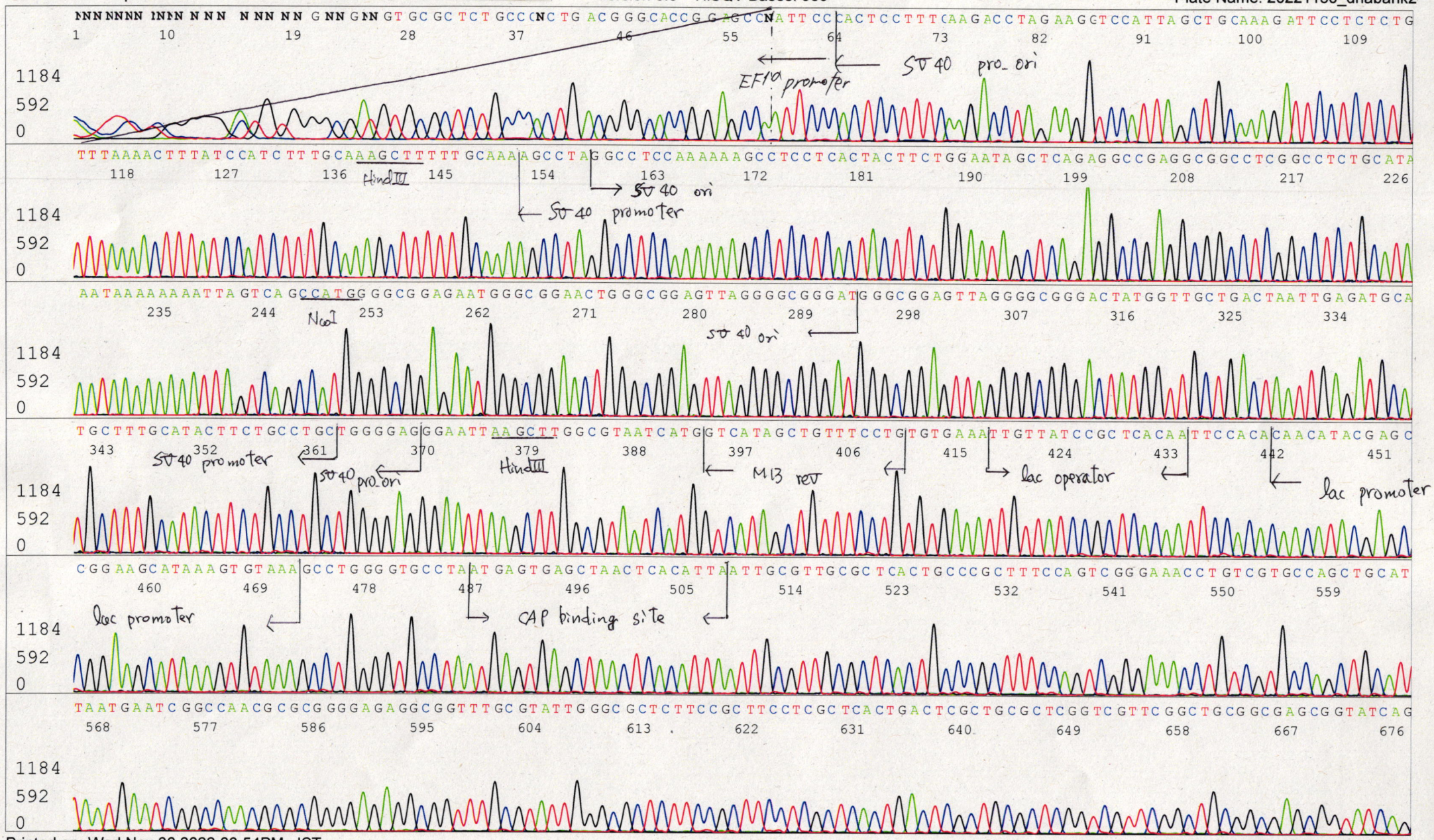

Applied Biosystems

S/N G:107 A:78 T:81 C:75
KB.bcp
KB 1.4.1.8 Cap:7

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KB_3500_POP7_BDTv3.mob
Pts 1329 to 13798 Pk1 Loc:1306
Version 6.0 HiSQV Bases: 959

Inst Model/Name 3500/3500 Instrument
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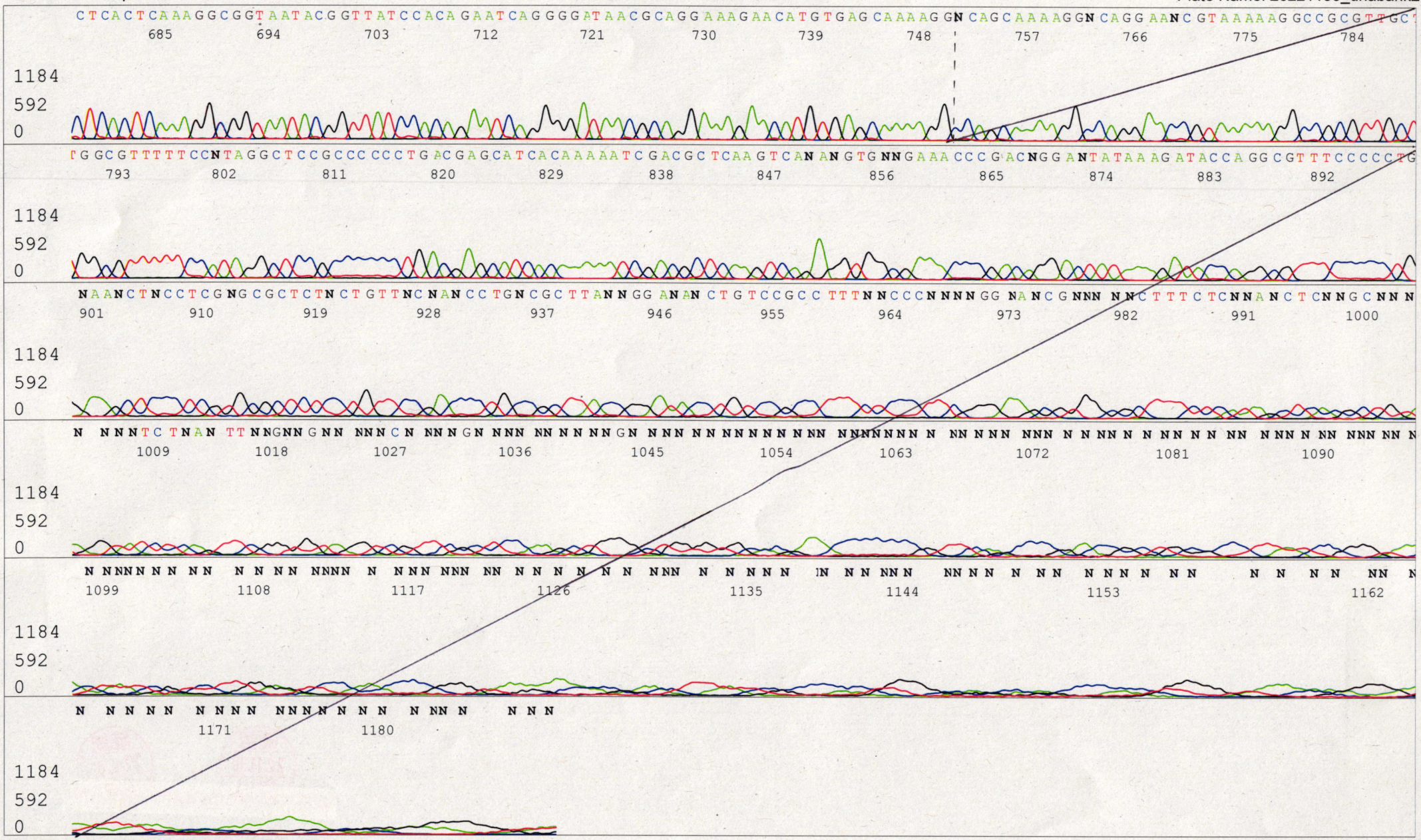
Nov 30,2022 02:14PM, JST
Spacing:12.34 Pts/Panel1350
Plate Name: 20221130_dnabank2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685 694 703 712 721 730 739 748 757 766 775 784
1184
592
0
TGGCGTTTTTCCNTAGGCTCCGCCCCCCTGACGAGCATCACAAAAATCGACGCTCAAGTCANANGTGNNGAAACCCGACNGGANTATAAAGATACCAGGCGTTTCCCCCTG
793 802 811 820 829 838 847 856 865 874 883 892
1184
592
0
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901 910 919 928 937 946 955 964 973 982 991 1000
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1009 1018 1027 1036 1045 1054 1063 1072 1081 1090
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