NRCD Human Full-Length cDNA Clone

Gene Engineering Division
RIKEN BioResource Center

RIKEN_Clone_ID : ARi05E05

Lot# : 7675_A4Aa

Vector : pGCAP10

Gene	PVRL2		
RefSeq_mRNA	NM_002856.2	2166 bp	1..2166
	CDS	1440 bp	391..1830
	5' position		179

● Plasmid DNA purification

Date : 140114 Culture : LB (100 ug/ml Ampicillin) 5 ml -> at 37 deg C O/N

Date : 140115 Purification : QIAGEN Miniprep kit -> dH_2O 100 ul

● Digestion by restriction enzyme/Concentrarion calibration

Date : 140115

DNA concentration (O.D.): 141 ng/ul

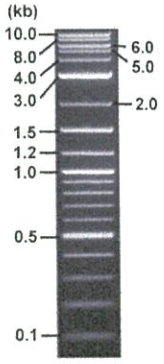
DNA	0.3 ul
Enzyme (BamHI)	1 ul
Buffer H	1 ul
dH_2O	7.7 ul
Total	10 ul

<Size of fragment expected from ARi05E05 >

BamHI 3183(vector), 2031, 158 bp (unsure)

Erectrophoresis : 1% agarose gel, 1x TAE Buffer

Marker : 2-Log DNA Ladder (NEB#N3200L)





● Confirmation of the insertion sequence

Date : 140117

Primer A	pGCAP-F
Primer B	pGCAP-R
Primer C	Poly(A) region
List of Sequencing Primers	http://dna.brc.riken.jp/en/NRCDhum2en.html

● Adjustment of DNA concentration

Shipping amount : 40 ul

Concentration at the time of preparation of plasmid DNA : 25 ng/ul

Date : 140120

DNA (141 ng/ul)	85.0 ul
10x TE	47.9 ul
dH_2O	346.5 ul
Total	479.4 ul

APPROVED BY : 確認 14.1.20 中島

Applied Biosystems

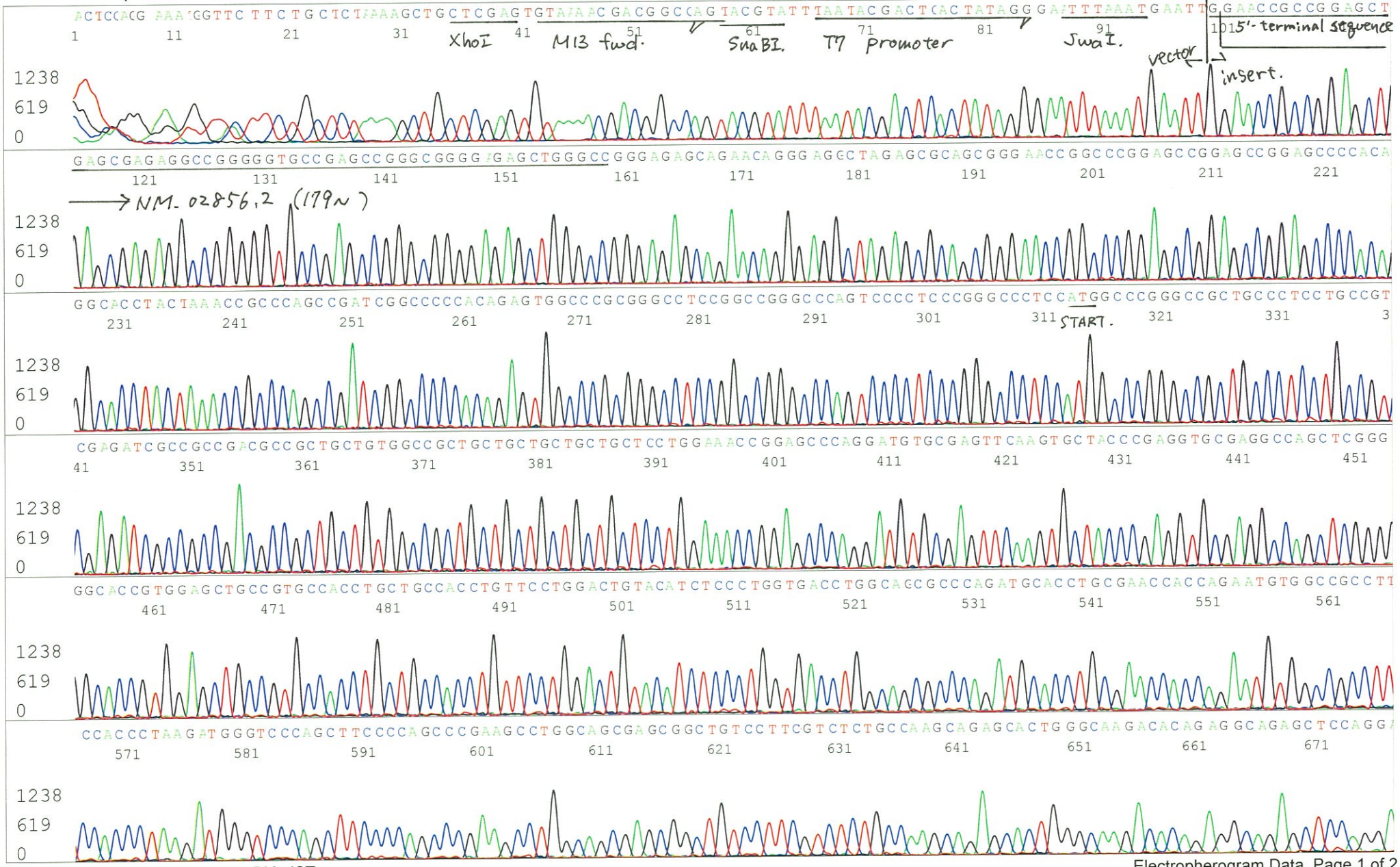
S/N G:63 A:50 T:39 C:53
KB.bcp
KB 1.4.1.8 Cap:18

Primer A : pGCAP-F

5' CTCAGTGGATGTTGCCTTTAC 3'

7675_ARi05E05_A4Aa_pGCAP_F_F09_18
7675_ARi05E05_A4Aa_pGCAP_F
KB_3500_POP7_BDTv3.mob
Pts 1415 to 13229 Pk1 Loc:1392
Version 5.4 HiSQV Bases: 992

Inst Model/Name 3500/3500 Instrument
Jan 17,2014 12:12PM, JST
Jan 17,2014 12:42PM, JST
Spacing:11.68 Pts/Panel1350
Plate Name: 20140117_mix

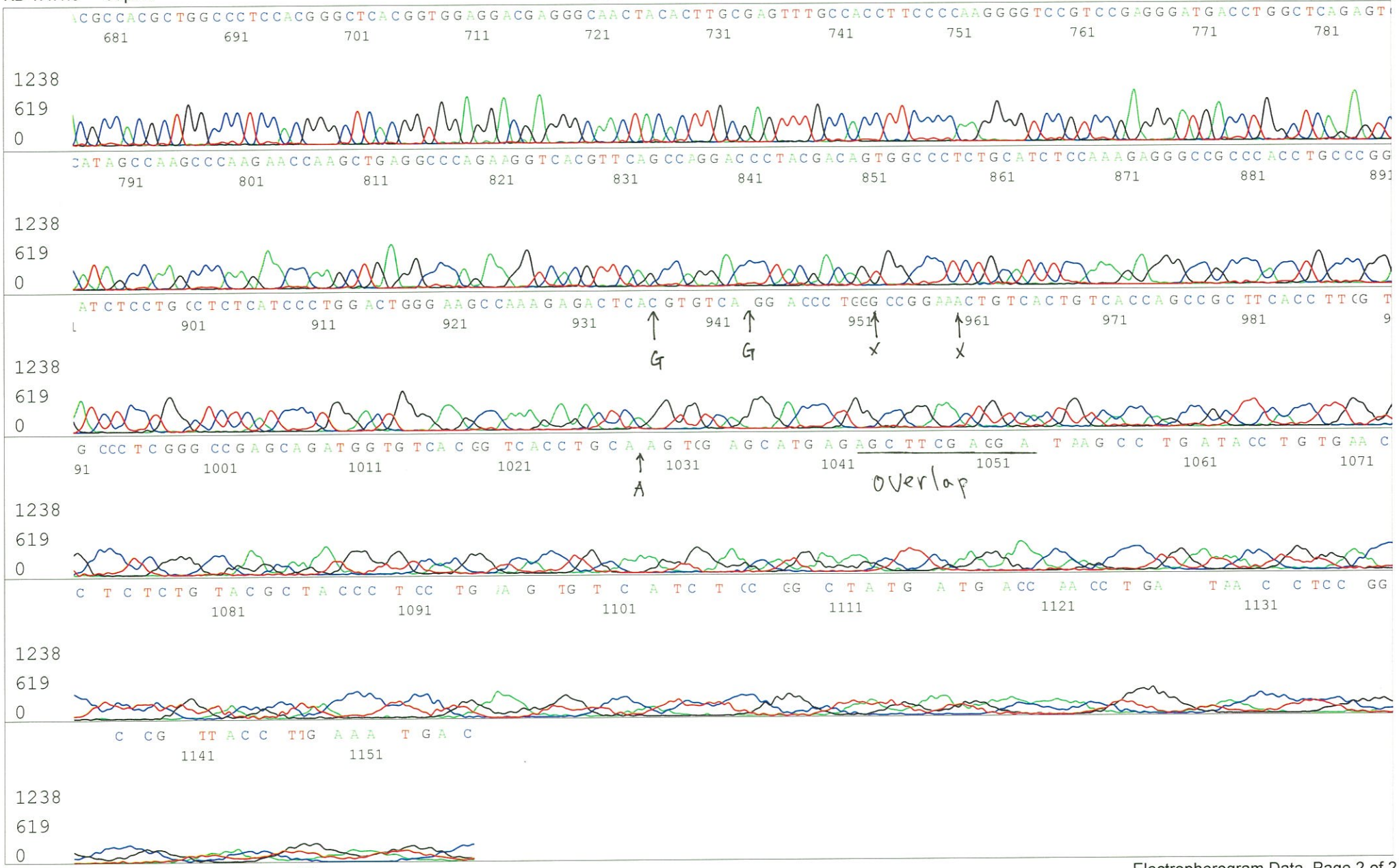


Applied Biosystems

S/N G:63 A:50 T:39 C:53
KB.bcp
KB 1.4.1.8 Cap:18

7675_ARi05E05_A4Aa_pGCAP_F_F09_18
7675_ARi05E05_A4Aa_pGCAP_F
KB_3500_POP7_BDTv3.mob
Pts 1415 to 13229 Pk1 Loc:1392
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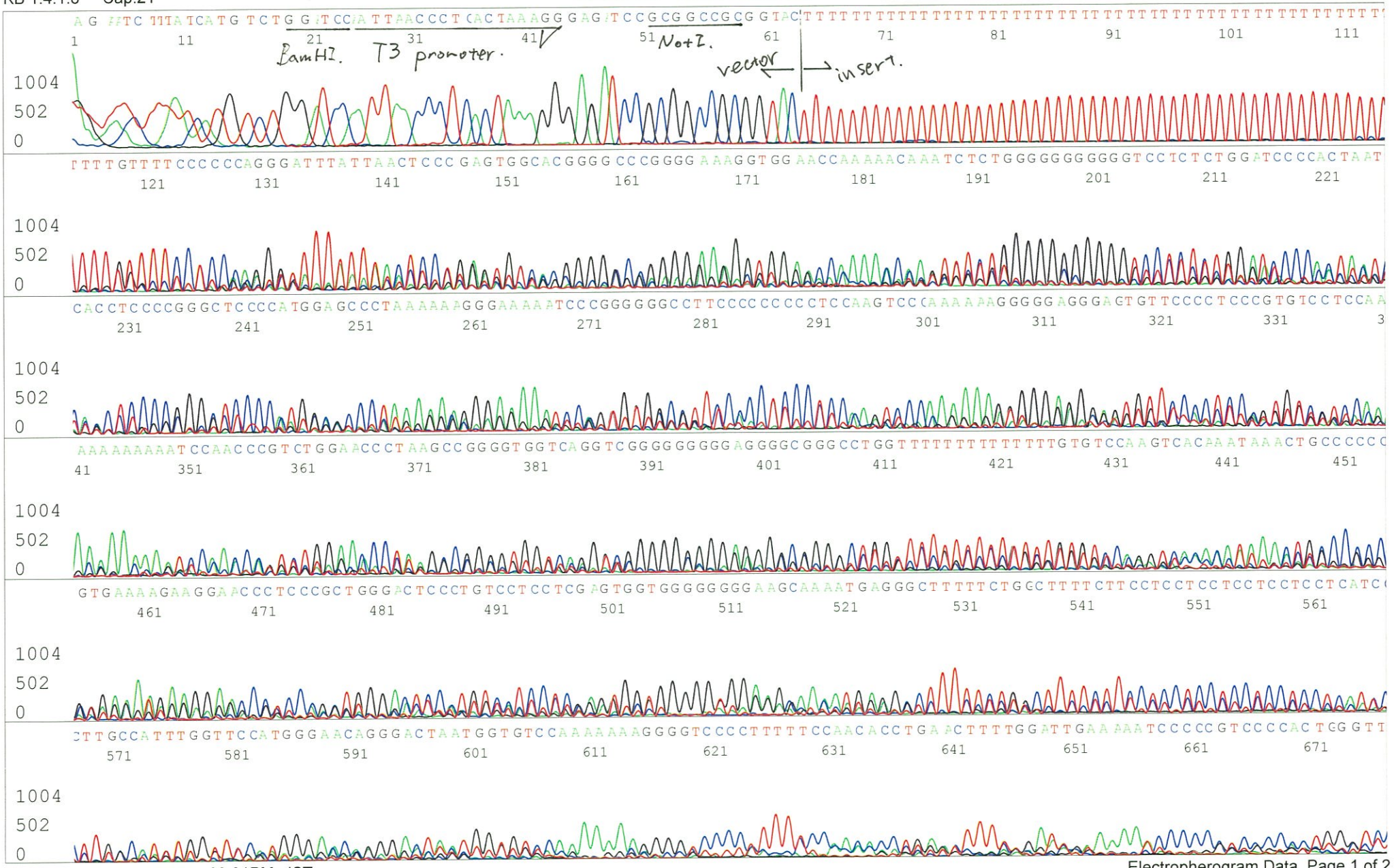


Applied Biosystems

S/N G:56 A:43 T:44 C:46 Primer B : pGCAP-R
KB.bcp
KB 1.4.1.8 Cap:21
5' GCATTCTAGTTGTGGTTTGTCC 3'

7675_ARi05E05_A4Aa_pGCAP_R_G09_21
7675_ARi05E05_A4Aa_pGCAP_R
KB_3500_POP7_BDTv3.mob
Pts 1414 to 13190 Pk1 Loc:1391
Version 5.4 HiSQV Bases: 295

Inst Model/Name 3500/3500 Instrument
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Jan 17,2014 12:42PM, JST
Spacing:11.68 Pts/Panel1350
Plate Name: 20140117_mix

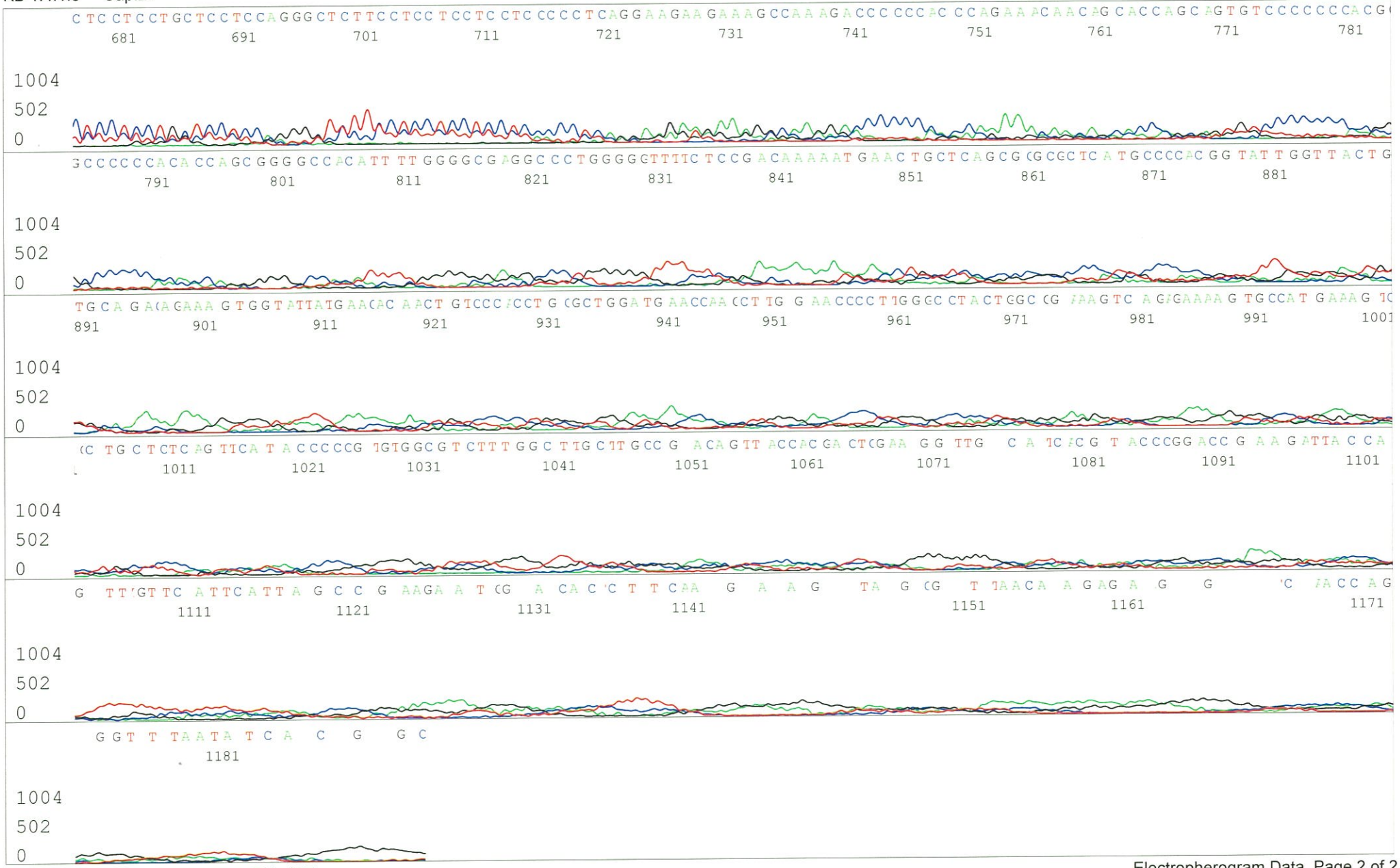


Applied Biosystems

S/N G:56 A:43 T:44 C:46
KB.bcp
KB 1.4.1.8 Cap:21

7675_ARi05E05_A4Aa_pGCAP_R_G09_21
7675_ARi05E05_A4Aa_pGCAP_R
KB_3500_POP7_BDTv3.mob
Pts 1414 to 13190 Pk1 Loc:1391
Version 5.4 HiSQV Bases: 295

Inst Model/Name 3500/3500 Instrument
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Spacing:11.68 Pts/Panel1350
Plate Name: 20140117_mix



Applied Biosystems

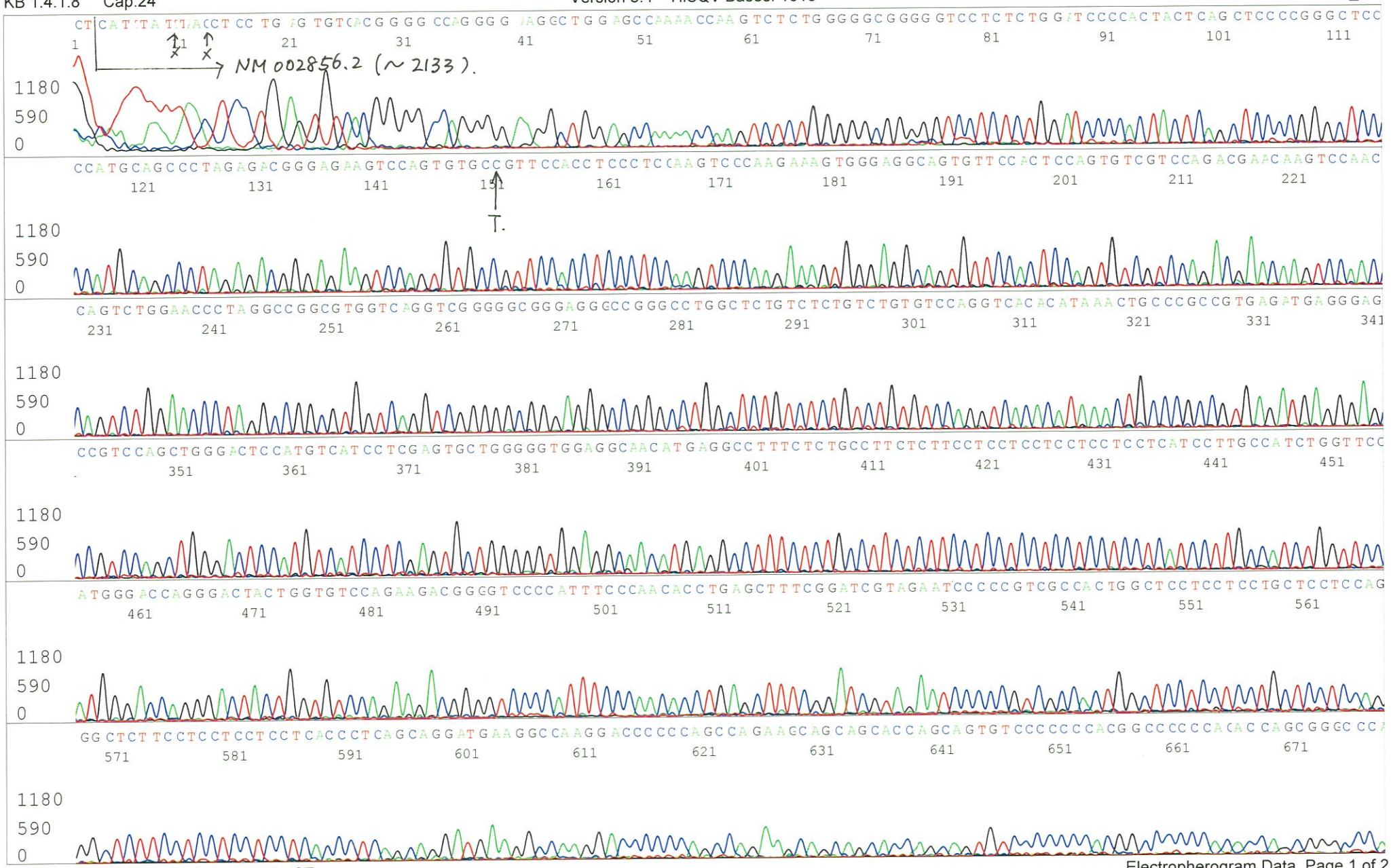
S/N G:17 A:12 T:10 C:13
KB.bcp
KB 1.4.1.8 Cap:24

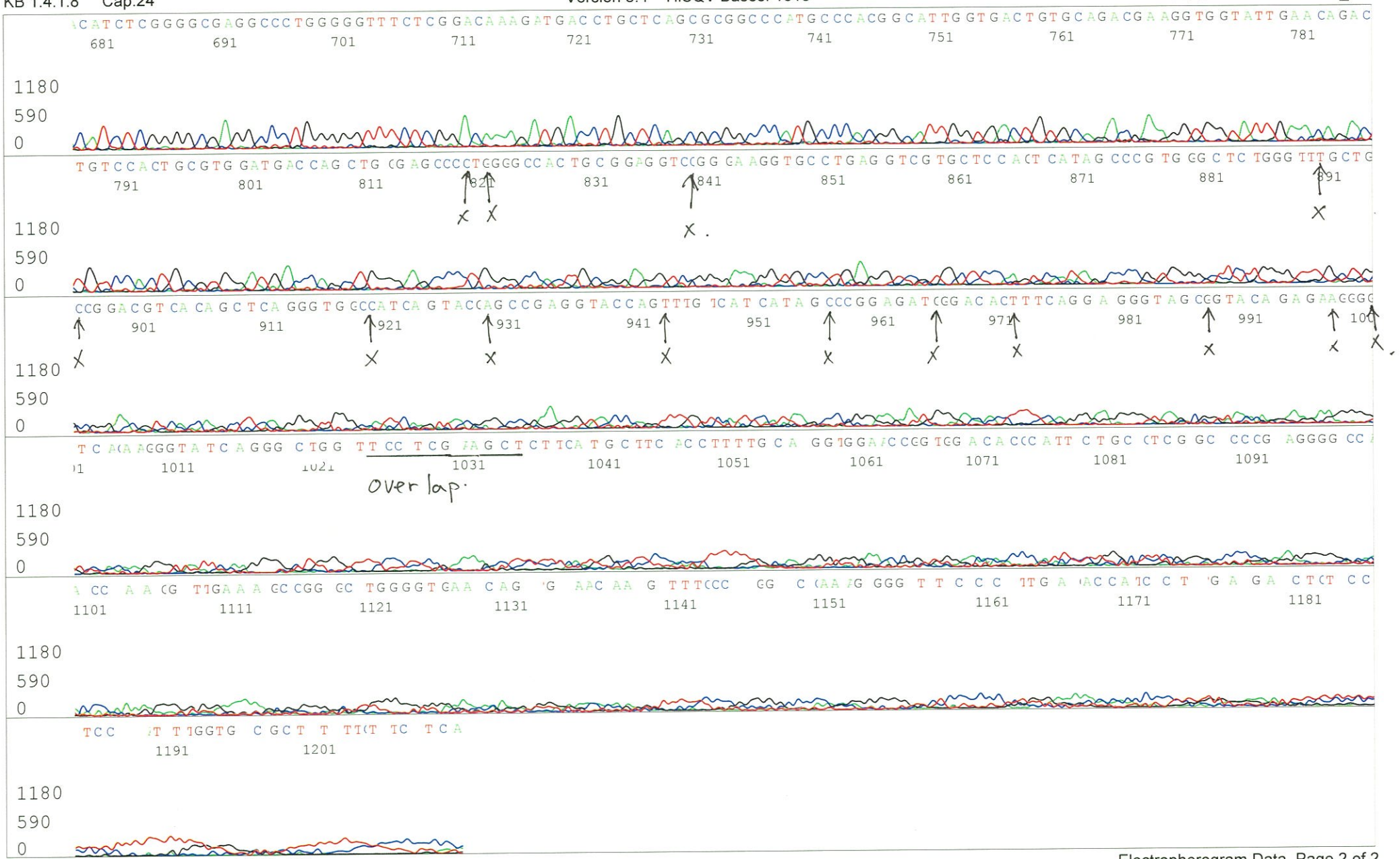
Primer C : Poly(A) region primer #0

5' TTTTTTTTTTTTTTTTTTTTTNNN 3'

7675_ARi05E05_A4Aa_GNPmixture_H09_24
7675_ARi05E05_A4Aa_GNPmixture
KB_3500_POP7_BDTv3.mob
Pts 1419 to 13280 Pk1 Loc:1396
Version 5.4 HiSQV Bases: 1018

Inst Model/Name 3500/3500 Instrument
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Jan 17,2014 12:42PM, JST
Spacing:11.75 Pts/Panel1350
Plate Name: 20140117_mix




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