NRCD Human Full-Length cDNA Clone

Gene Engineering Division
RIKEN BioResource Center

RIKEN_Clone_ID : RBdS110E22

Lot# : 6608_A3Lh

Vector : pGCAP10

Gene	OPA1		
RefSeq_mRNA	NM_015560.2	6345 bp	1..6345
	CDS	2883 bp	235..3117
	5' position		25

● Plasmid DNA purification

Date : 131218 Culture : LB (100 ug/ml Ampicillin) 5 ml -> at 37 deg C O/N

Date : 131219 Purification : QIAGEN Miniprep kit -> dH_2O 100 ul

● Digestion by restriction enzyme/Concentrarion calibration

Date : 131220

DNA concentration (O.D.): 302 ng/ul

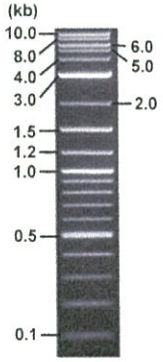
DNA	0.2 ul
Enzyme (BamHI)	1 ul
Buffer H	1 ul
dH_2O	7.8 ul
Total	10 ul

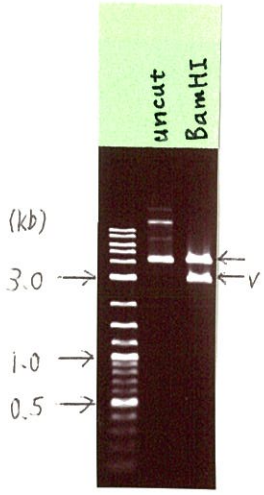
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BamHI 3183(vector),6522 bp (unsure)

Erectrophoresis : 1% agarose gel, 1x TAE Buffer

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





● Confirmation of the insertion sequence

Date : 13/225

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 : 131226

DNA (302 ng/ul)	86.0 ul
10x TE	103.9 ul
dH_2O	849.0 ul
Total	1038.9 ul

APPROVED BY : 確認 13.12.26 中島

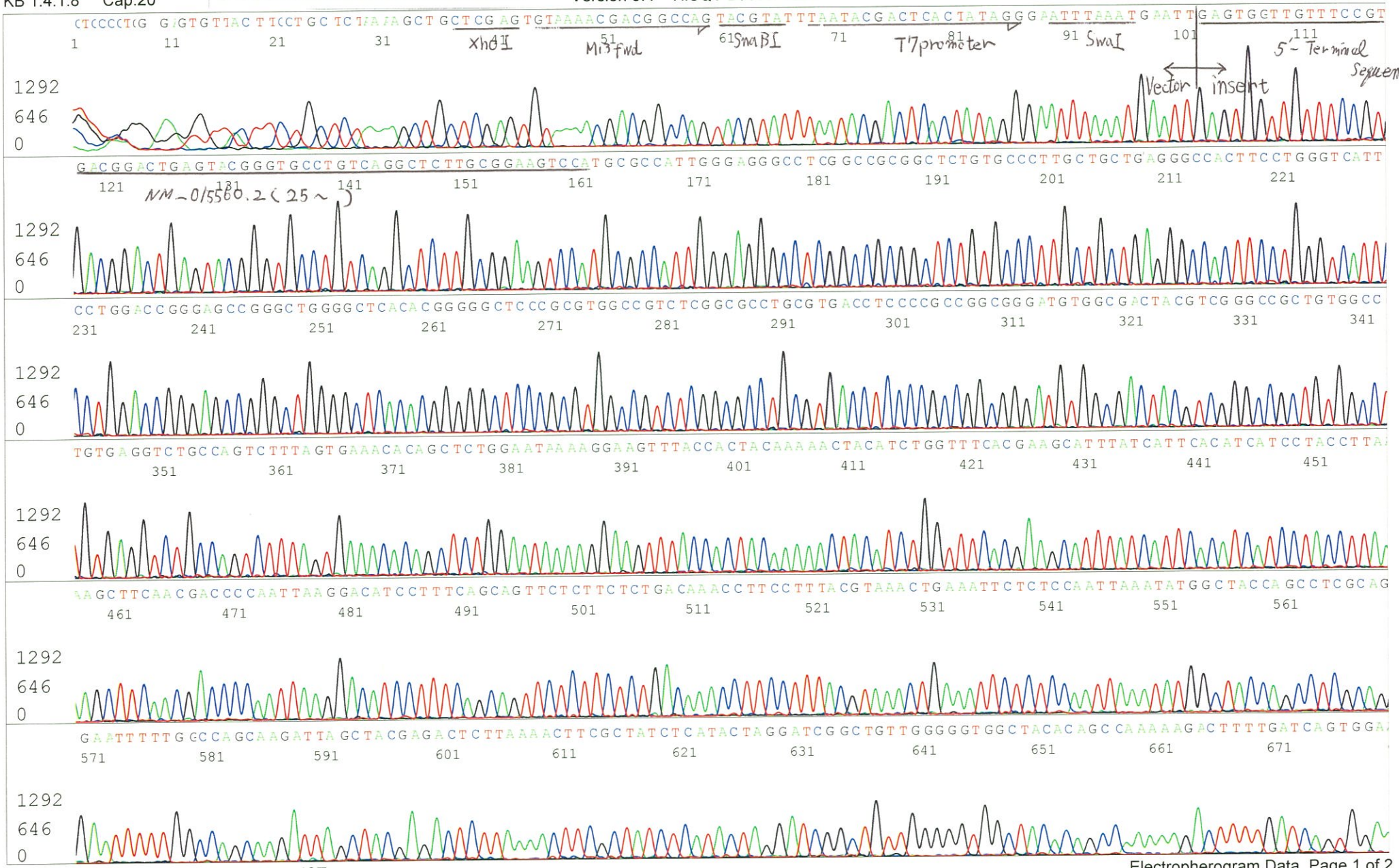
Applied Biosystems

S/N G:40 A:31 T:30 C:25
KB.bcp
KB 1.4.1.8 Cap:20

Primer A : pGCAP-F
5' CTCAGTGGATGTTGCCTTTAC 3'

6608_RBdS110E22_A3Lh_pGCAP_F_G05_20
6608_RBdS110E22_A3Lh_pGCAP_F
KB_3500_POP7_BDTv3.mob
Pts 1258 to 13447 Pk1 Loc:1235
Version 5.4 HiSQV Bases: 1027

Inst Model/Name 3500/3500 Instrument
Dec 24,2013 10:51AM, JST
Dec 24,2013 11:17AM, JST
Spacing:11.79 Pts/Panel1350
Plate Name: 20131224_GNP

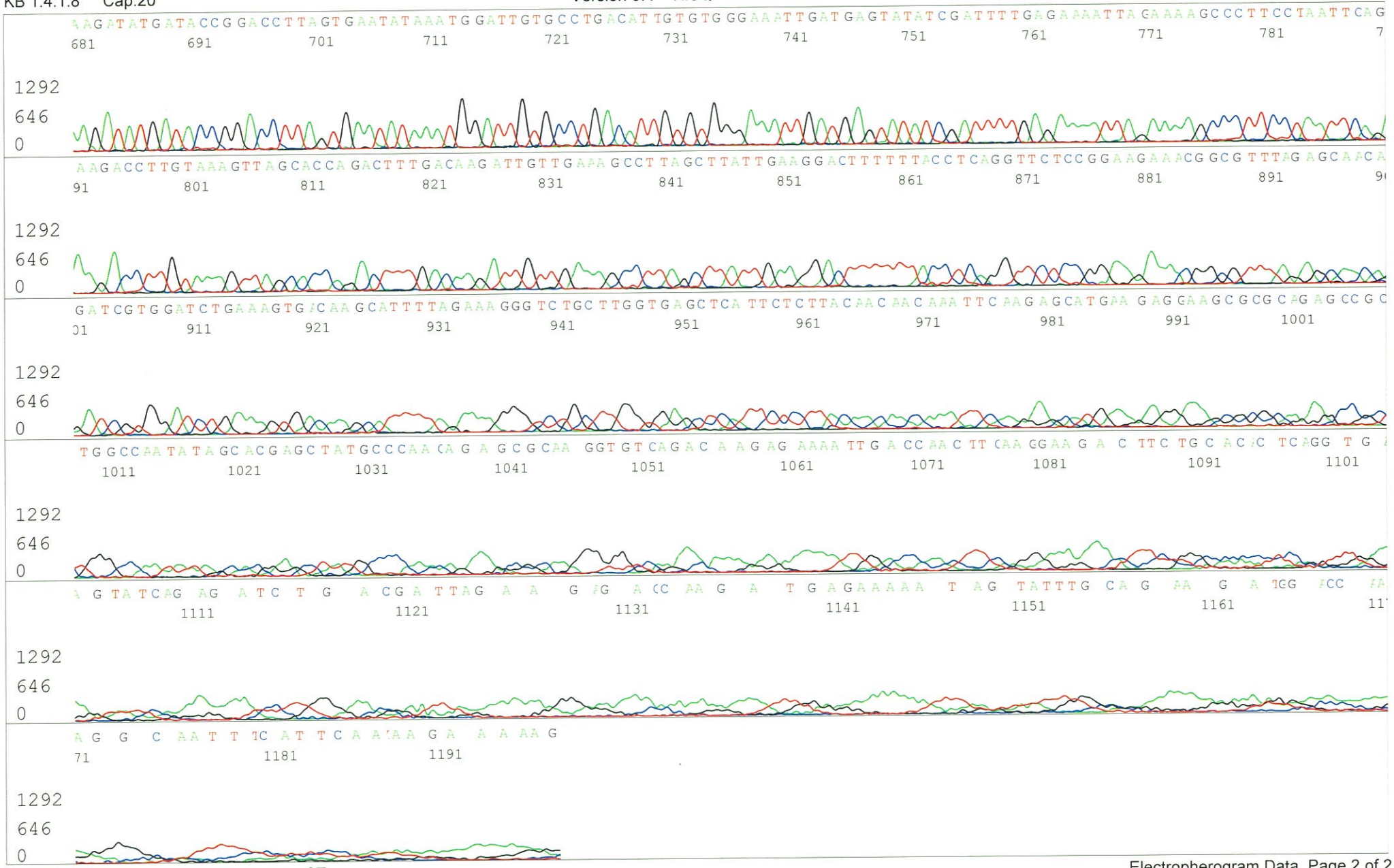


Applied Biosystems

S/N G:40 A:31 T:30 C:25
KB.bcp
KB 1.4.1.8 Cap:20

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6608_RBdS110E22_A3Lh_pGCAP_F
KB_3500_POP7_BDTv3.mob
Pts 1258 to 13447 Pk1 Loc:1235
Version 5.4 HiSQV Bases: 1027

Inst Model/Name 3500/3500 Instrument
Dec 24,2013 10:51AM, JST
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Applied Biosystems

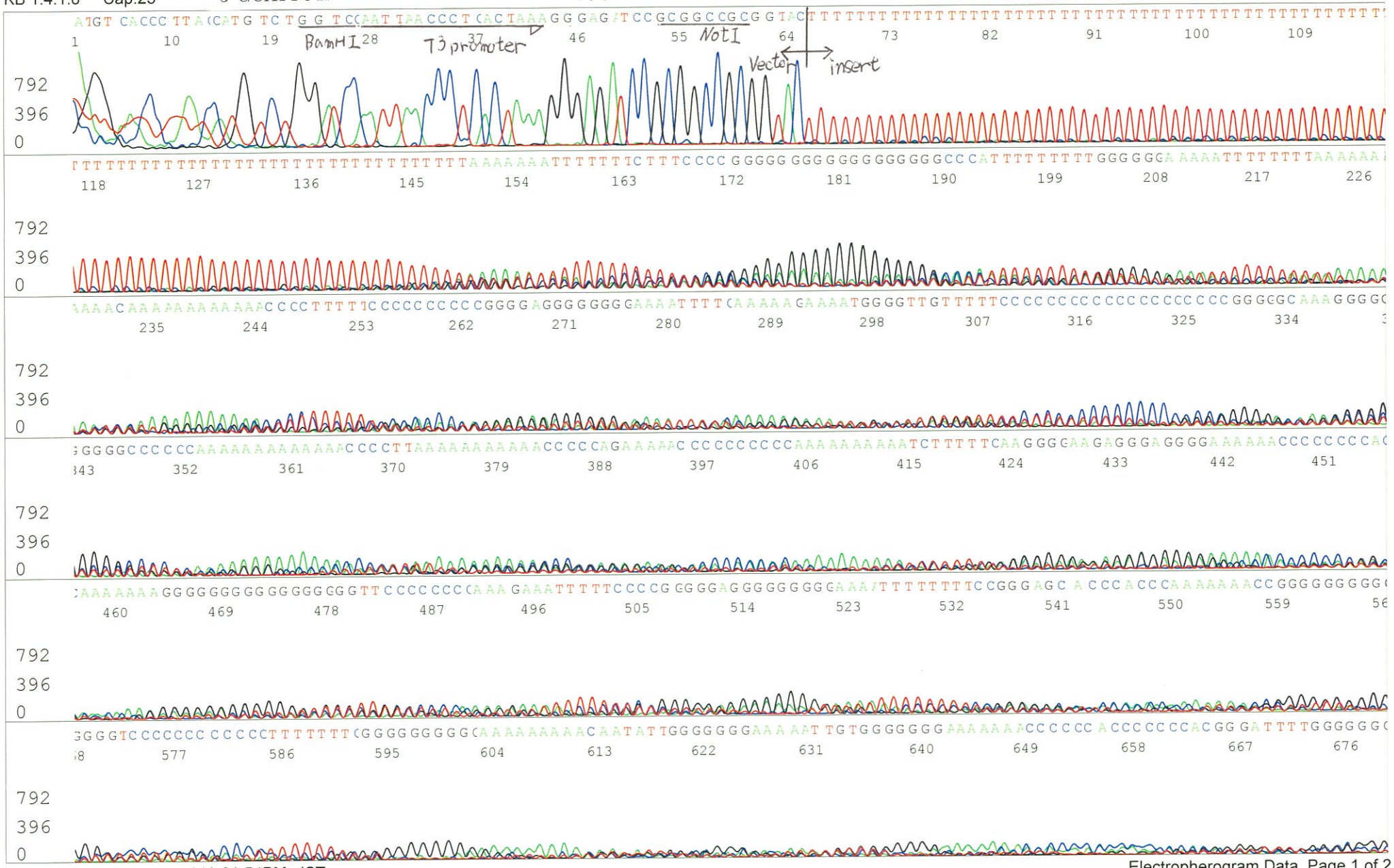
S/N G:10 A:12 T:13 C:7
KB.bcp
KB 1.4.1.8 Cap:23

Primer B : pGCAP-R

5' GCATTCTAGTTGTGGTTTGTCC 3'

6608_RBdS110E22_A3Lh_pGCAP_R_H05_23
6608_RBdS110E22_A3Lh_pGCAP_R
KB_3500_POP7_BDTv3.mob
Pts 1265 to 13491 Pk1 Loc:1242
Version 5.4 HiSQV Bases: 186

Inst Model/Name 3500/3500 Instrument
Dec 24,2013 10:51AM, JST
Dec 24,2013 11:17AM, JST
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Plate Name: 20131224_GNP

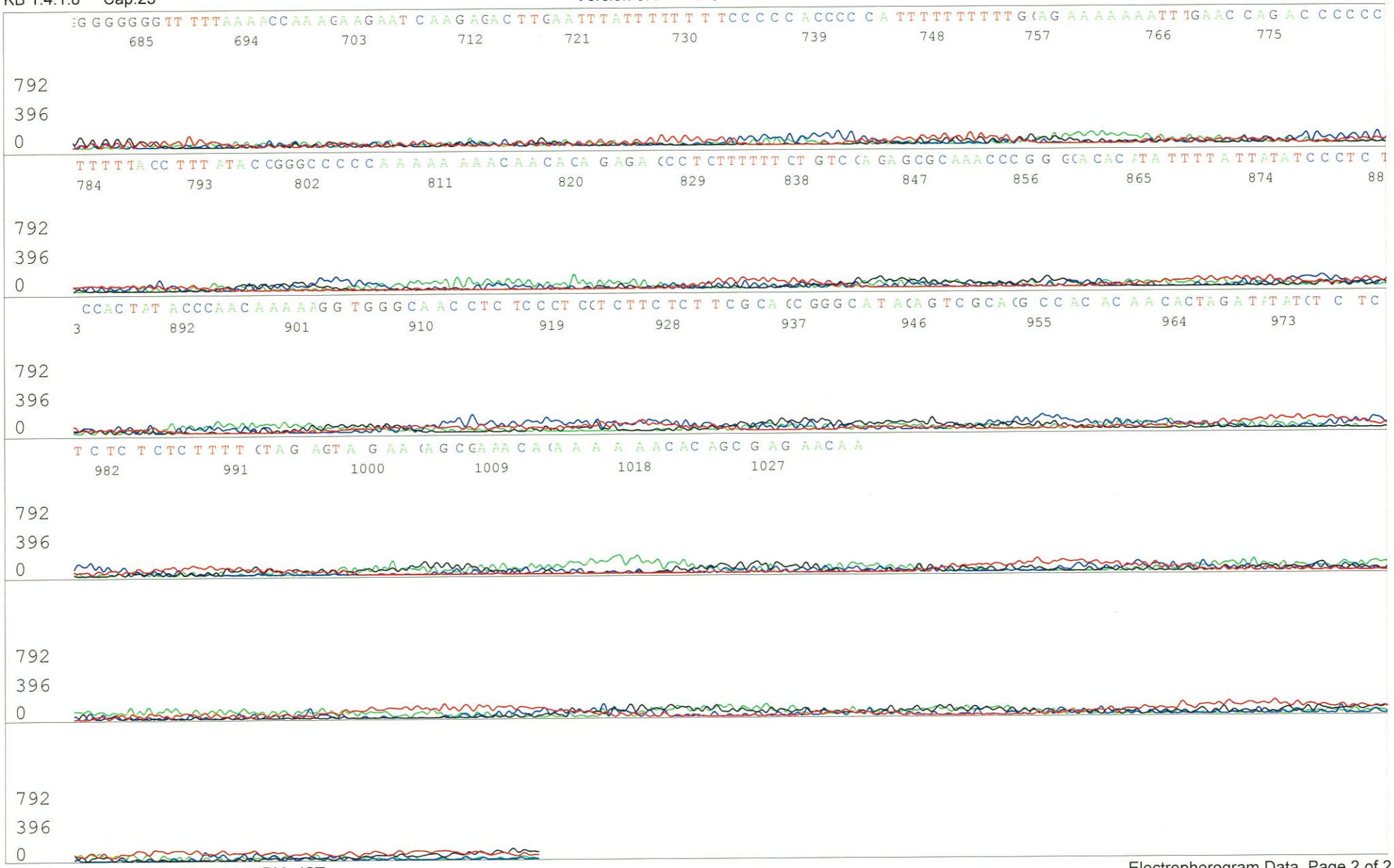


Applied Biosystems

S/N G:10 A:12 T:13 C:7
KB.bcp
KB 1.4.1.8 Cap:23

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KB_3500_POP7_BDTv3.mob
Pts 1265 to 13491 Pk1 Loc:1242
Version 5.4 HiSQV Bases: 186

Inst Model/Name 3500/3500 Instrument
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Spacing:11.94 Pts/Panel1350
Plate Name: 20131224_GNP



Applied Biosystems

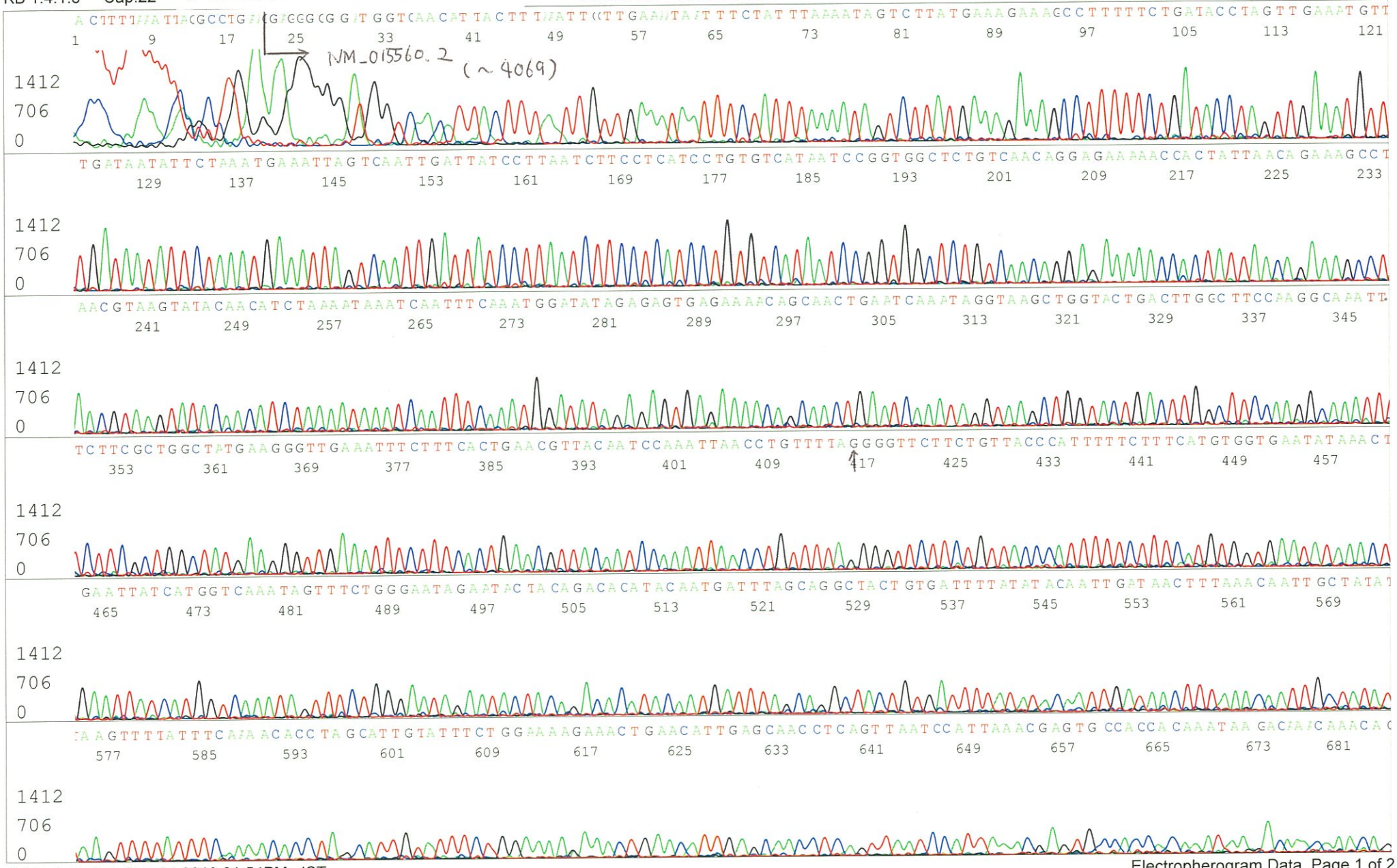
S/N G:9 A:11 T:11 C:7
KB.bcp
KB 1.4.1.8 Cap:22

Primer C : Poly(A) region primer #0

5' TTTTTTTTTTTTTTTTTTTTTNNN 3'

6608_RBdS110E22_A3Lh_GNPmixture_H04_22
6608_RBdS110E22_A3Lh_GNPmixture
KB_3500_POP7_BDTv3.mob
Pts 1271 to 13711 Pk1 Loc:1248
Version 5.4 HiSQV Bases: 836

Inst Model/Name 3500/3500 Instrument
Dec 24,2013 10:51AM, JST
Dec 24,2013 11:17AM, JST
Spacing:11.95 Pts/Panel1350
Plate Name: 20131224_GNP



Applied Biosystems

S/N G:9 A:11 T:11 C:7
KB.bcp
KB 1.4.1.8 Cap:22

6608_RBdS110E22_A3Lh_GNPmixture_H04_22
6608_RBdS110E22_A3Lh_GNPmixture
KB_3500_POP7_BDTv3.mob
Pts 1271 to 13711 Pk1 Loc:1248
Version 5.4 HiSQV Bases: 836

Inst Model/Name 3500/3500 Instrument
Dec 24,2013 10:51AM, JST
Dec 24,2013 11:17AM, JST
Spacing:11.95 Pts/Panel1350
Plate Name: 20131224_GNP

