NRCD Human Full-Length cDNA Clone

Gene Engineering Division
RIKEN BioResource Center

RIKEN_Clone_ID : ARe30E01

Lot# : 7672_A3Ga

Vector : pKA1U5

Gene	B2M		
RefSeq_mRNA	NM_004048.2	987 bp	1..987
	CDS	360 bp	61..420
	5'-terminal sequence	961 bp	27..987

● Plasmid DNA purification

Date : 130710

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

Date : 130711

Purification : QIAGEN Miniprep kit -> dH_2O 100 ul

● Digestion by restriction enzyme/Concentrarion calibration

Date : 130711

DNA concentration (O.D.): 140 ng/ul

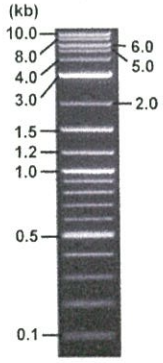
DNA	0.3	ul
Enzyme (BamHI)	1	ul
Buffer H	1	ul
dH_2O	7.7	ul
Total	10	ul

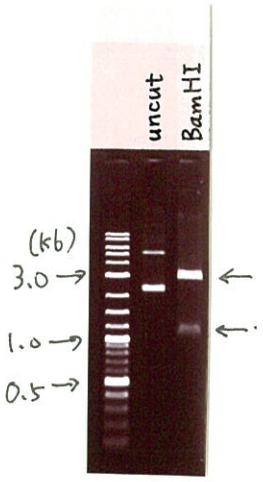
<Size of fragment expected from ARe30E01 >

BamHI	3183	1175bp(unsure)

Erectrophoresis : 1% agarose gel, 1x TAE Buffer

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





● Confirmation of the insertion sequence

Date : 20130712

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 : 20130712

DNA (140 ng/ul)	85.0	ul
10x TE	47.6	ul
dH_2O	343.4	ul
Total	476.0	ul

APPROVED BY : 確認 13.7.11 中島

Applied Biosystems

S/N G:157 A:122 T:99 C:83
KB.bcp
KB 1.4.1.8 Cap:2

Primer A : pGCAP-F
5' CTCAGTGGATGTTGCCTTTAC 3'

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7672_ARe30E01_A3Ga_pGCAP_F
KB_3500_POP7_BDTv3.mob
Pts 1434 to 12703 Pk1 Loc:1411
Version 5.4 HiSQV Bases: 506

Inst Model/Name 3500/3500 Instrument
Jul 12,2013 11:53AM, JST
Jul 12,2013 12:19PM, JST
Spacing:11.73 Pts/Panel1350
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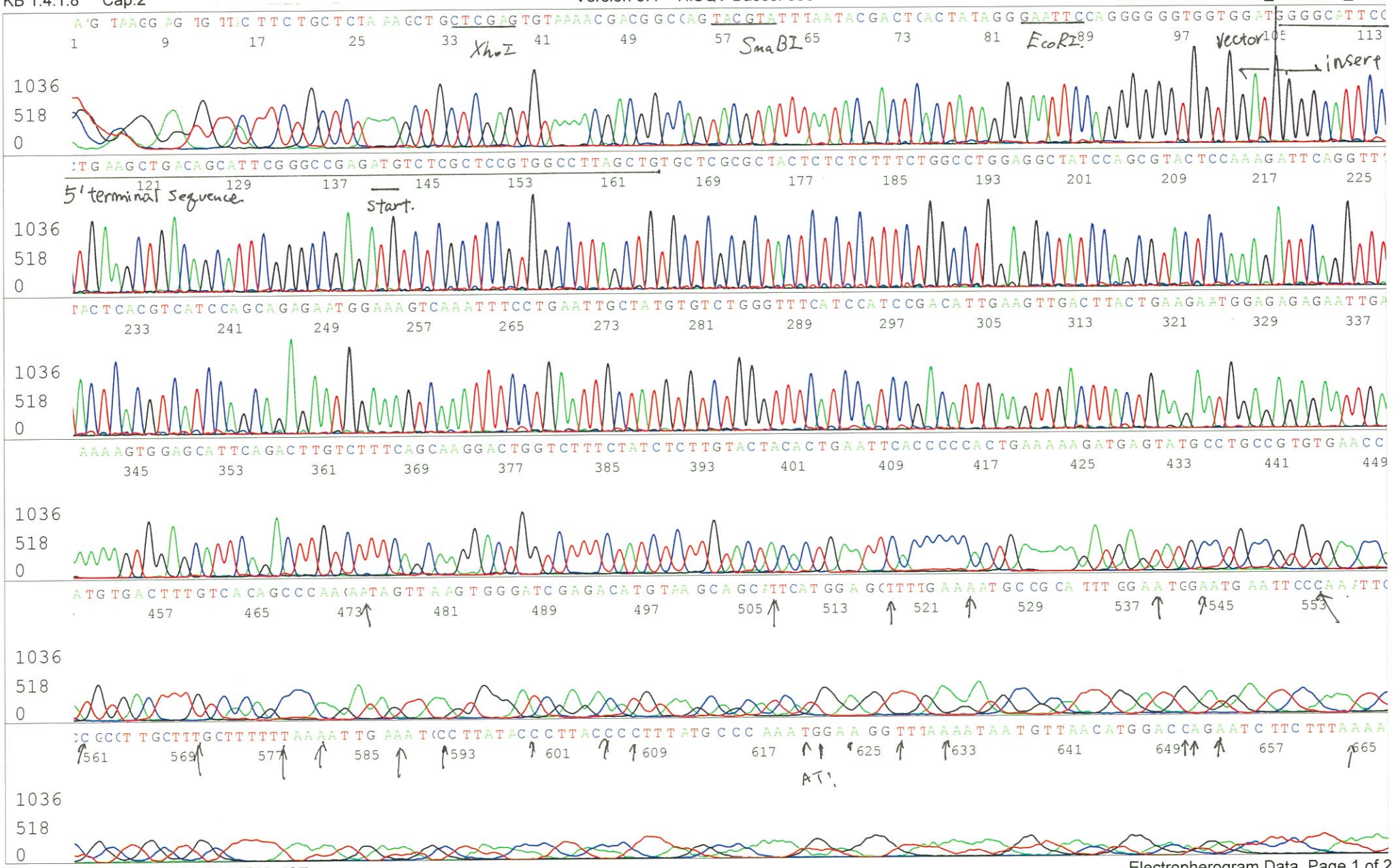

Applied Biosystems

S/N G:157 A:122 T:99 C:83
KB.bcp
KB 1.4.1.8 Cap:2

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KB_3500_POP7_BDTv3.mob
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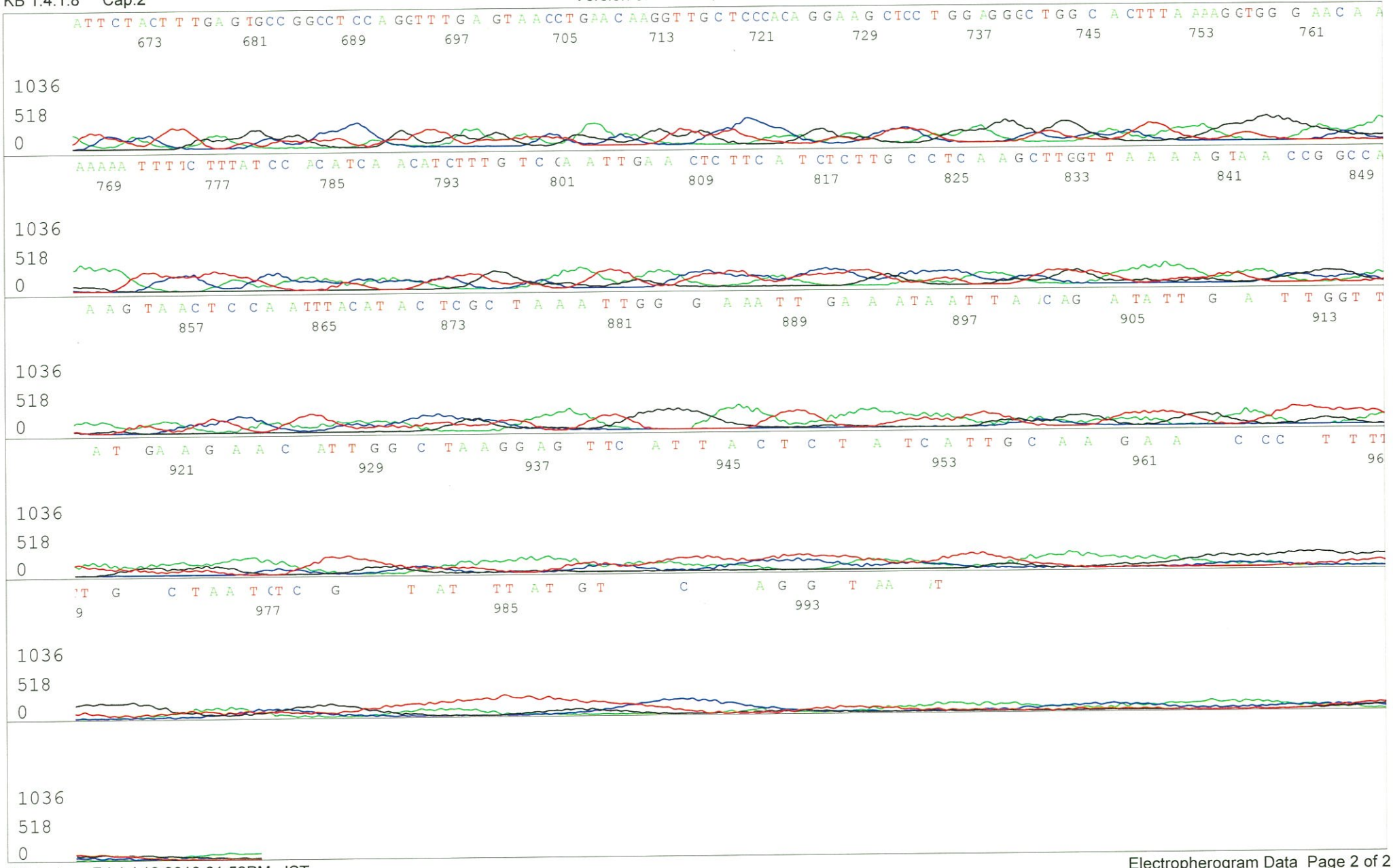

Applied Biosystems

S/N G:89 A:92 T:84 C:64
KB.bcp
KB 1.4.1.8 Cap:5

Primer B : pGCAP-R

5' GCATTCTAGTTGTGGTTTGTCC 3'

7672_ARe30E01_A3Ga_pGCAP_R_B02_05
7672_ARe30E01_A3Ga_pGCAP_R
KB_3500_POP7_BDTv3.mob
Pts 1430 to 12402 Pk1 Loc:1407
Version 5.4 HiSQV Bases: 257

Inst Model/Name 3500/3500 Instrument
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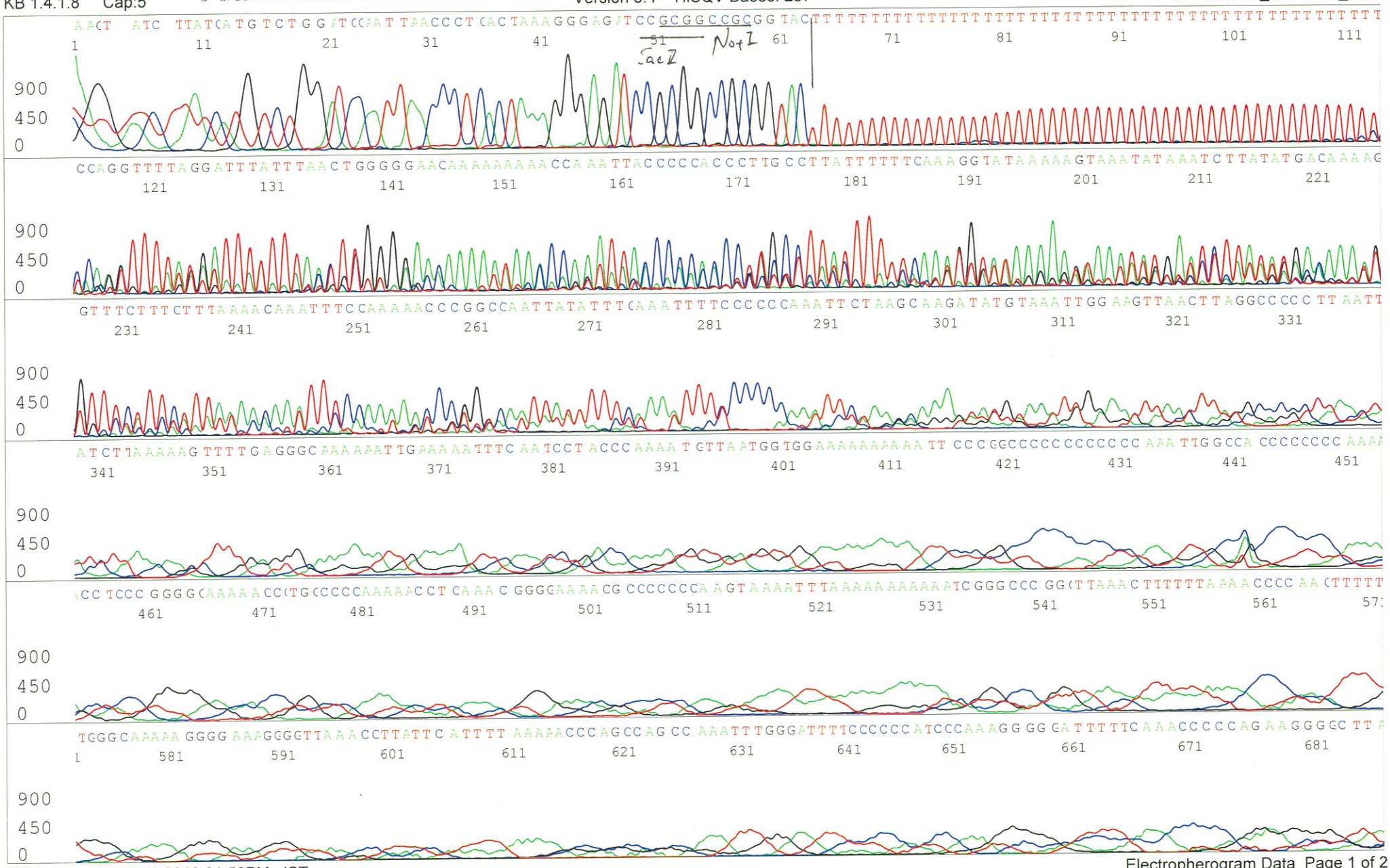
Plate Name: 20130712_DNAbank_GNP



Applied Biosystems

S/N G:89 A:92 T:84 C:64
KB.bcp
KB 1.4.1.8 Cap:5

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KB_3500_POP7_BDTv3.mob
Pts 1430 to 12402 Pk1 Loc:1407
Version 5.4 HiSQV Bases: 257

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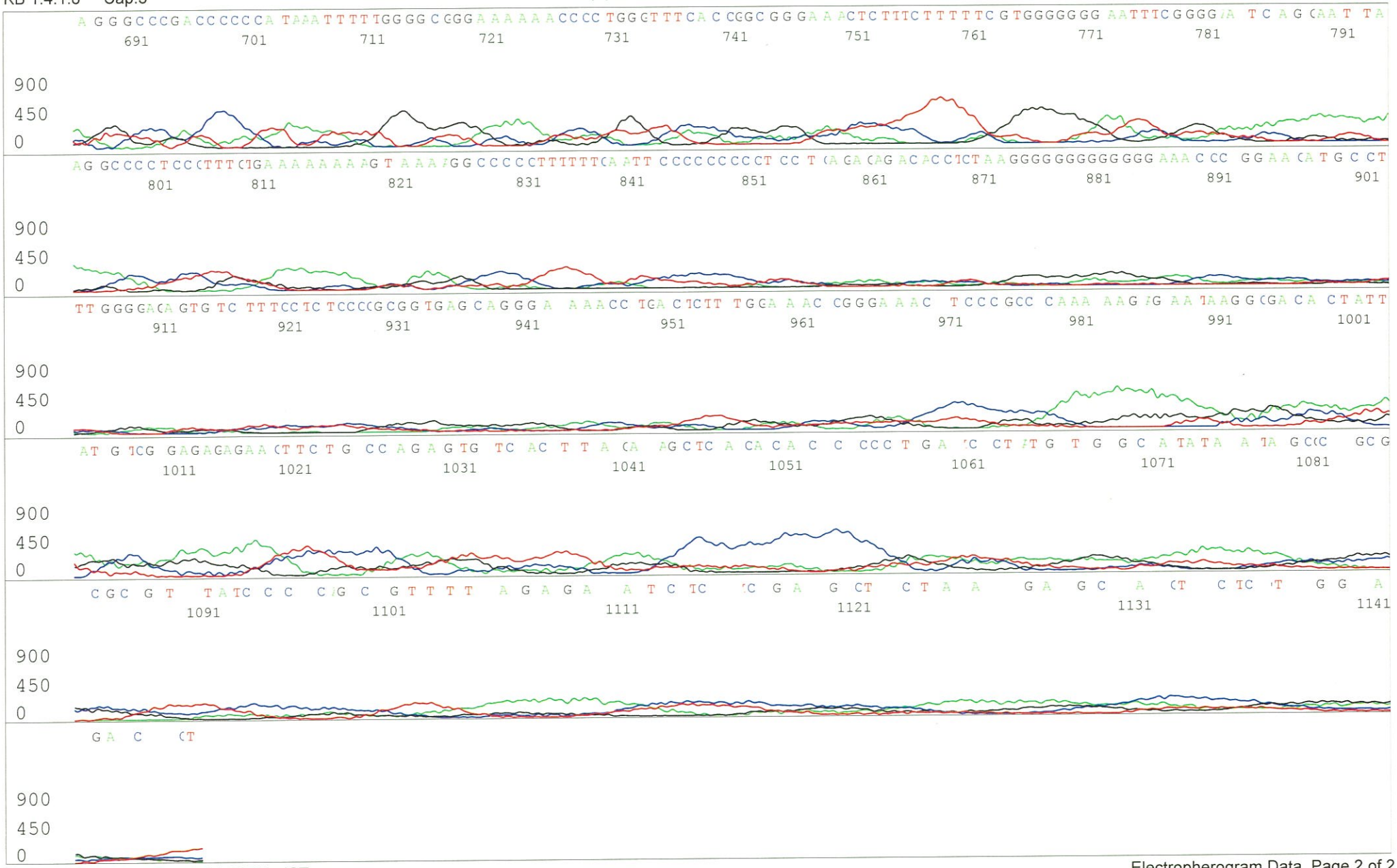

Applied Biosystems

S/N G:50 A:67 T:50 C:35
KB.bcp
KB 1.4.1.8 Cap:8

Primer C : Poly(A) region primer #0
5' TTTTTTTTTTTTTTTTTTTTNNN 3'

7672_ARe30E01_A3Ga_GNPmixture_C02_08
7672_ARe30E01_A3Ga_GNPmixture
KB_3500_POP7_BDTv3.mob
Pts 1391 to 13441 Pk1 Loc:1368
Version 5.4 HiSQV Bases: 990

Inst Model/Name 3500/3500 Instrument
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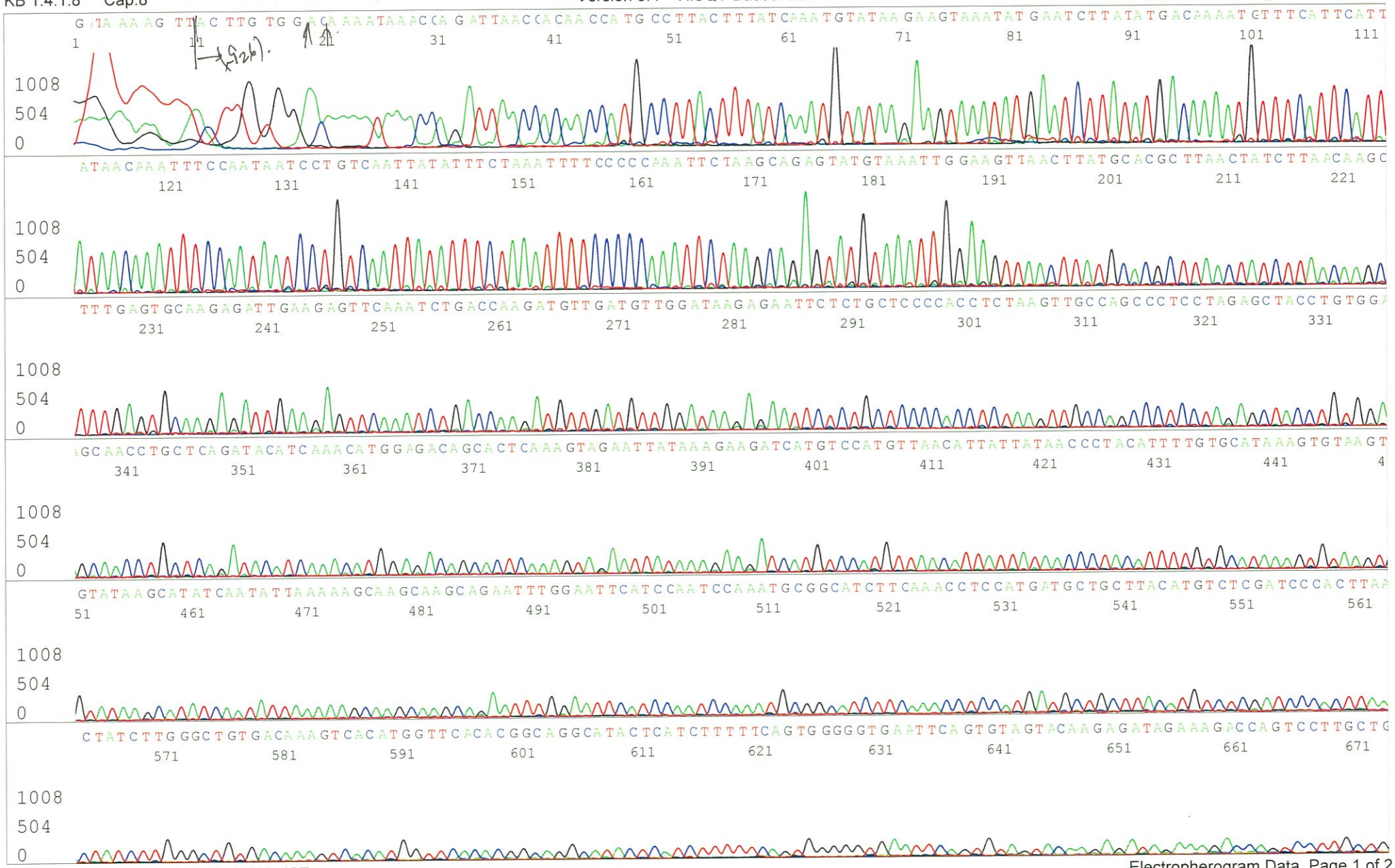
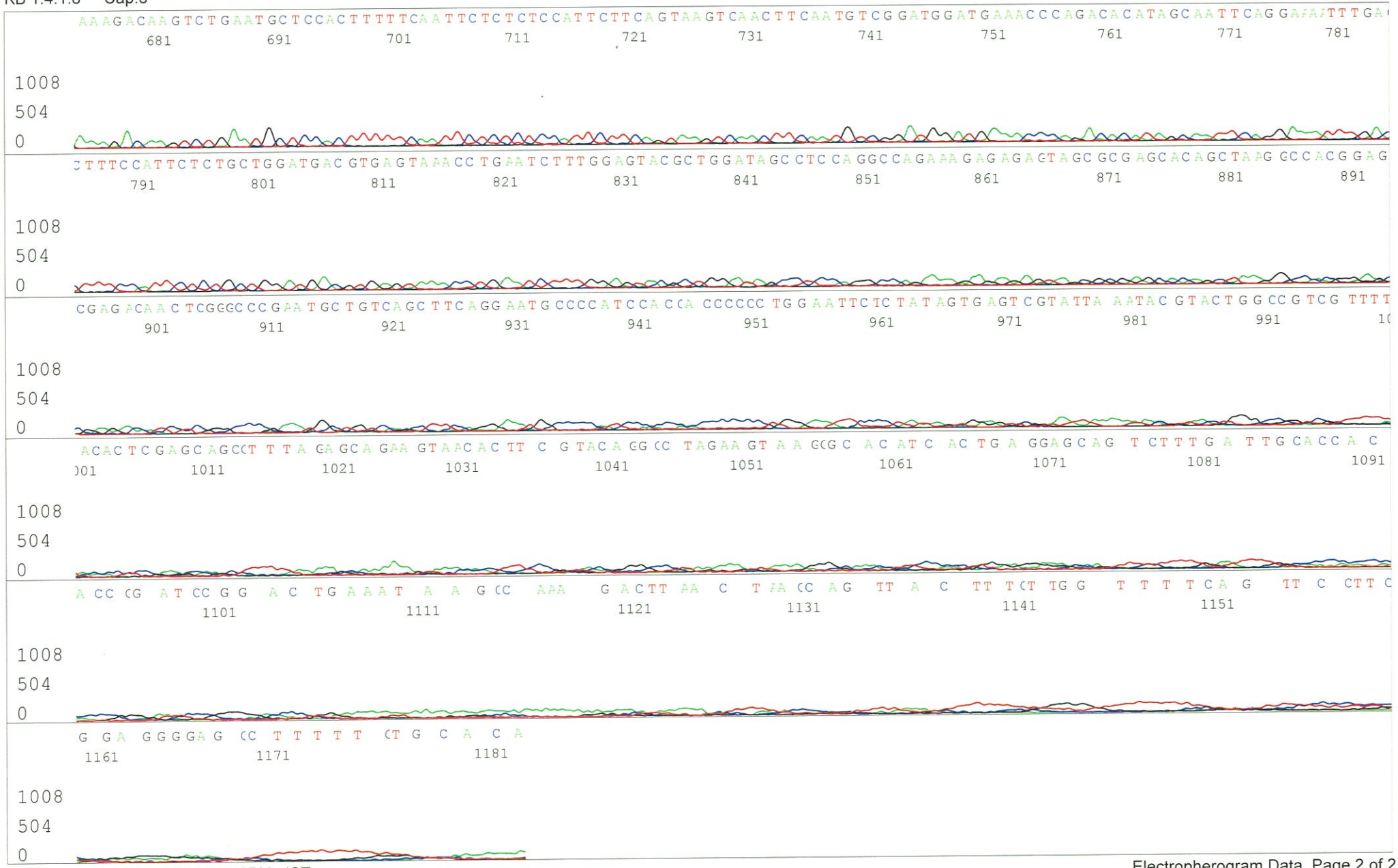
Spacing:11.92 Pts/Panel1350
Plate Name: 20130712_DNAbank_GNP



Applied Biosystems

S/N G:50 A:67 T:50 C:35
KB.bcp
KB 1.4.1.8 Cap:8

7672_ARe30E01_A3Ga_GNPmixture_C02_08
7672_ARe30E01_A3Ga_GNPmixture
KB_3500_POP7_BDTv3.mob
Pts 1391 to 13441 Pk1 Loc:1368
Version 5.4 HiSQV Bases: 990

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