NRCD Human Full-Length cDNA Clone

Gene Engineering Division
RIKEN BioResource Center

Lot# : 7675_A4Cj

RIKEN_Clone_ID : ARi07C12

Vector : pGCAP10

Gene	JAG1		
RefSeq_mRNA	NM_000214.2	5988 bp	1..5988
	CDS	3657 bp	517..4173
	5' position		48

● Plasmid DNA purification

Date : 140319 Culture : LB (100 ug/ml Ampicillin) 5 ml -> at 37 deg C O/N

Date : 140320 Purification : QIAGEN Miniprep kit -> dH_2O 100 ul

● Digestion by restriction enzyme/Concentrarion calibration

Date : 140320

DNA concentration (O.D.): 218 ng/ul

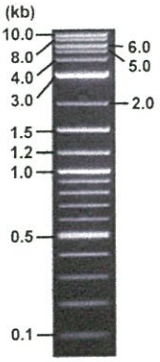
DNA	0.2 ul
Enzyme (BamHI)	1 ul
Buffer H	1 ul
dH_2O	7.8 ul
Total	10 ul

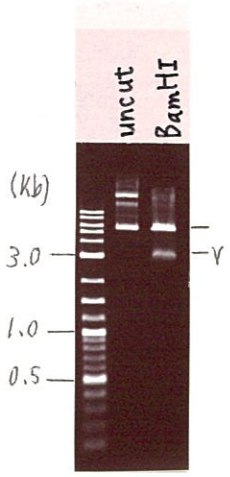
<Size of fragment expected from ARi07C12 >

BamHI 3183(vector), 6142bp (unsure)

Erectrophoresis : 1% agarose gel, 1x TAE Buffer

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





● Confirmation of the insertion sequence

Date : 140326

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 : 140326

DNA (218 ng/ul)	83.0 ul
10x TE	72.4 ul
dH_2O	568.4 ul
Total	723.8 ul

APPROVED BY : 確認 14.3.25 笹沼

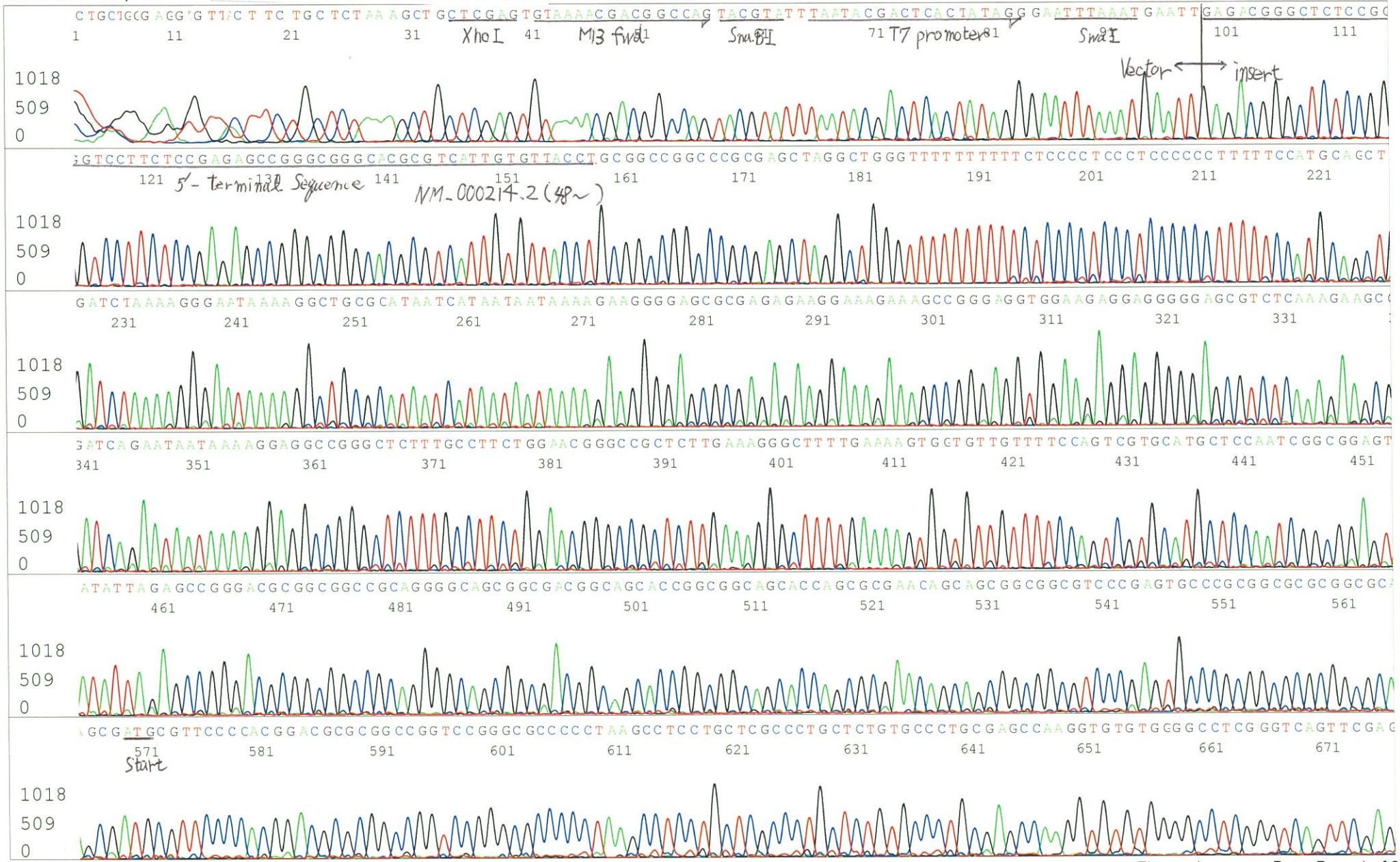
Applied Biosystems

S/N G:48 A:52 T:44 C:67
KB.bcp
KB 1.4.1.8 Cap:17

Primer A : pGCAP-F
5' CTCAGTGGATGTTGCCTTTAC 3'

7675_ARi07C12_A4Cj_pGCAP_F_F02_17
7675_ARi07C12_A4Cj_pGCAP_F
KB_3500_POP7_BDTv3.mob
Pts 1362 to 13331 Pk1 Loc:1339
Version 5.4 HiSQV Bases: 1002

Inst Model/Name 3500/3500 Instrument
Mar 26,2014 10:31AM, JST
Mar 26,2014 10:57AM, JST
Spacing:11.89 Pts/Panel1350
Plate Name: 20140326_mix



Applied Biosystems

S/N G:48 A:52 T:44 C:67
KB.bcp
KB 1.4.1.8 Cap:17

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Pts 1362 to 13331 Pk1 Loc:1339
Version 5.4 HiSQV Bases: 1002

Inst Model/Name 3500/3500 Instrument
Mar 26,2014 10:31AM, JST
Mar 26,2014 10:57AM, JST
Spacing:11.89 Pts/Panel1350
Plate Name: 20140326_mix



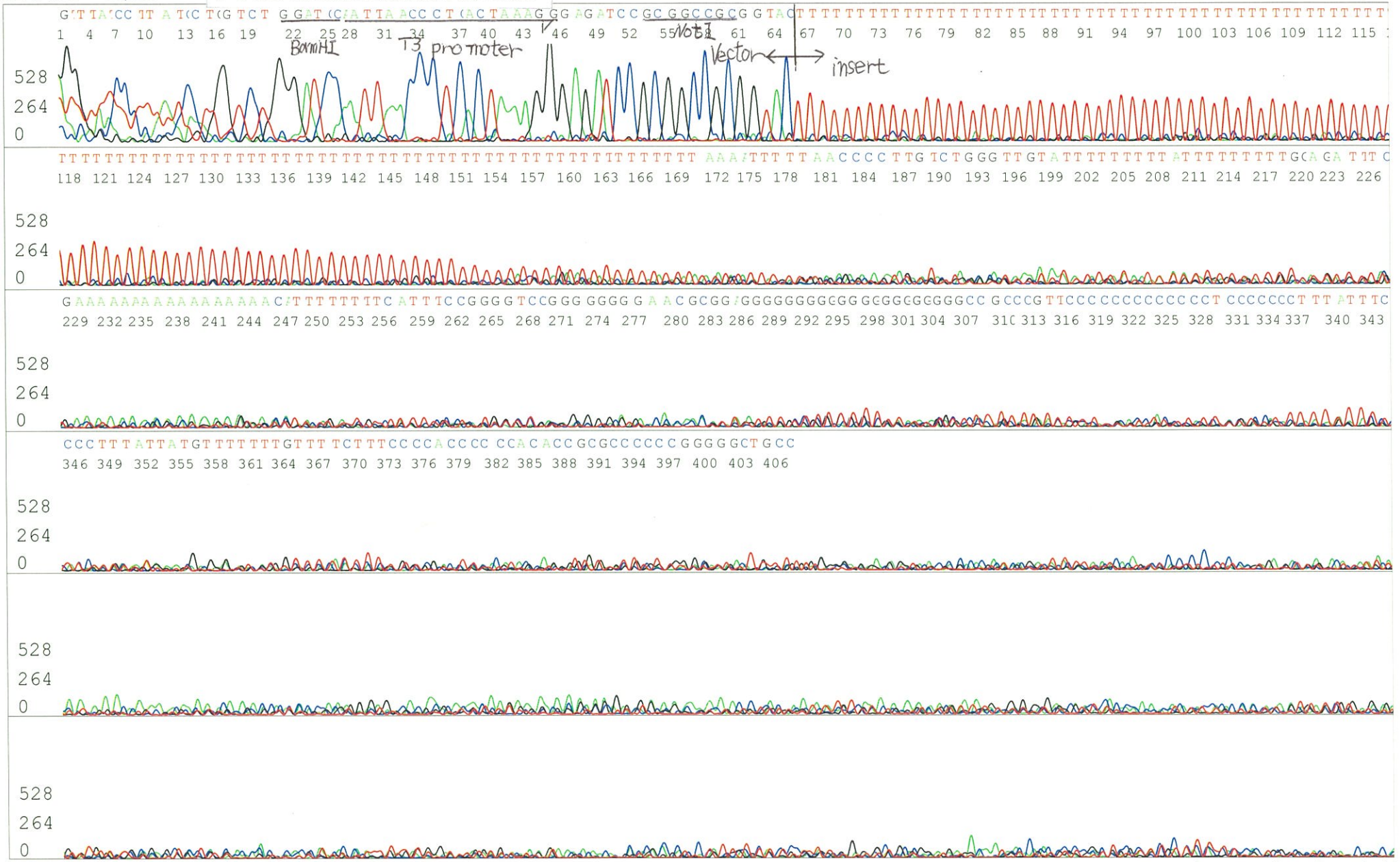
Applied Biosystems

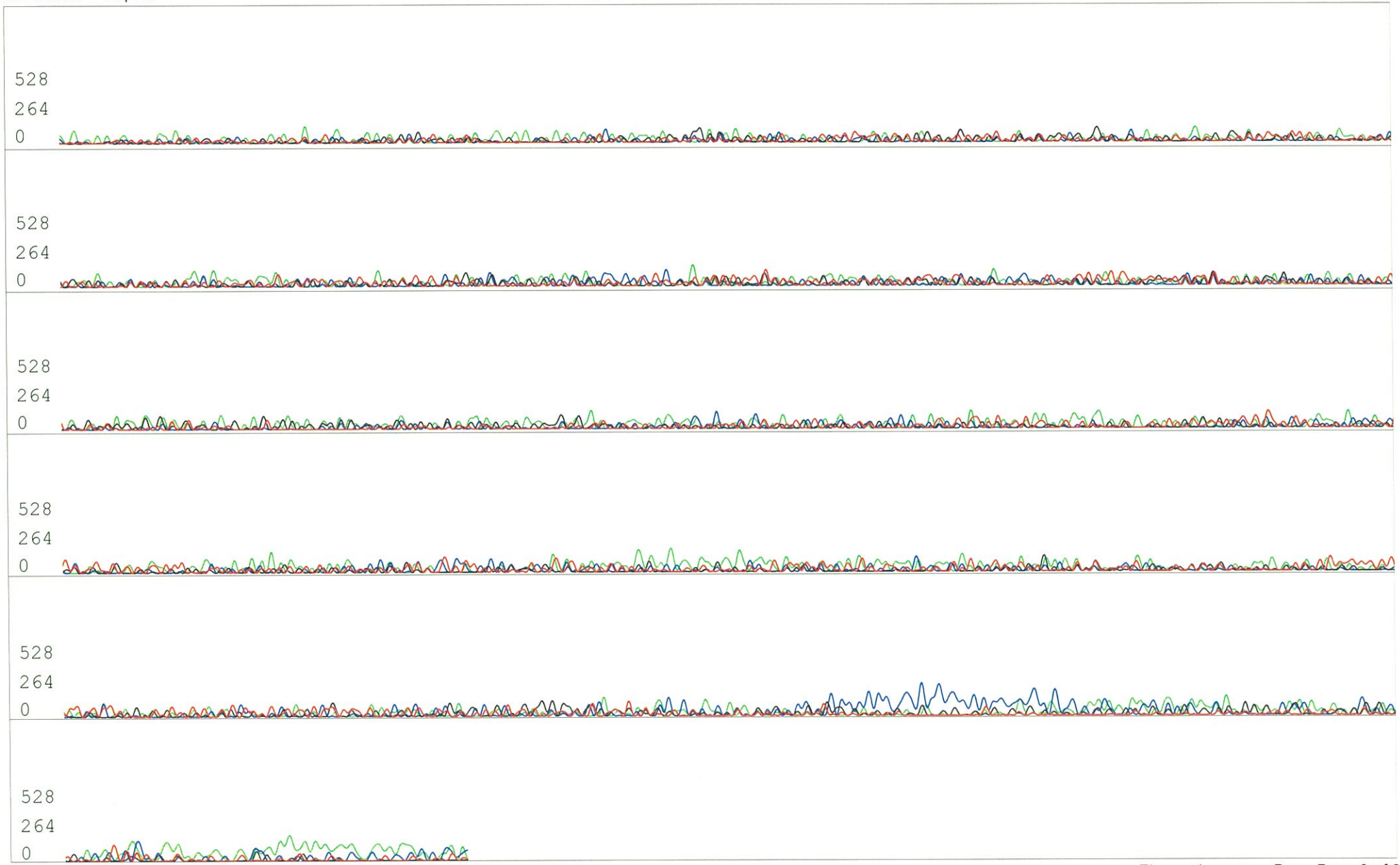
S/N G:5 A:6 T:7 C:5
KB.bcp
KB 1.4.1.8 Cap:20

Primer B : pGCAP-R
5' GCATTCTAGTTGTGGTTTGTCC 3'

7675_ARi07C12_A4Cj_pGCAP_R_G02_20
7675_ARi07C12_A4Cj_pGCAP_R
KB_3500_POP7_BDTv3.mob
Pts 1372 to 13455 Pk1 Loc:1349
Version 5.4 HiSQV Bases: 113

Inst Model/Name 3500/3500 Instrument
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Mar 26,2014 10:57AM, JST
Spacing:12.19 Pts/Panel1350
Plate Name: 20140326_mix




528
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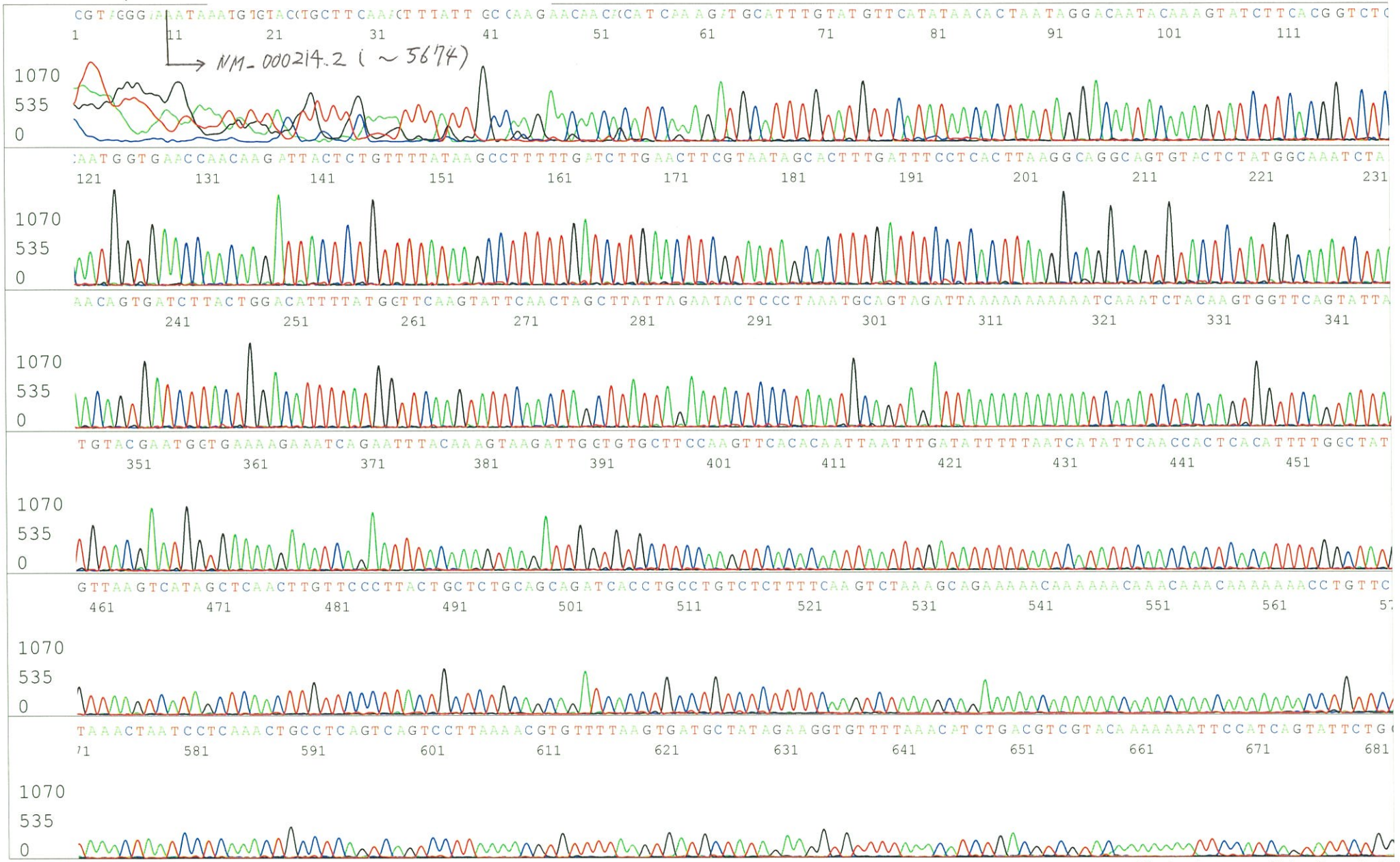
Applied Biosystems

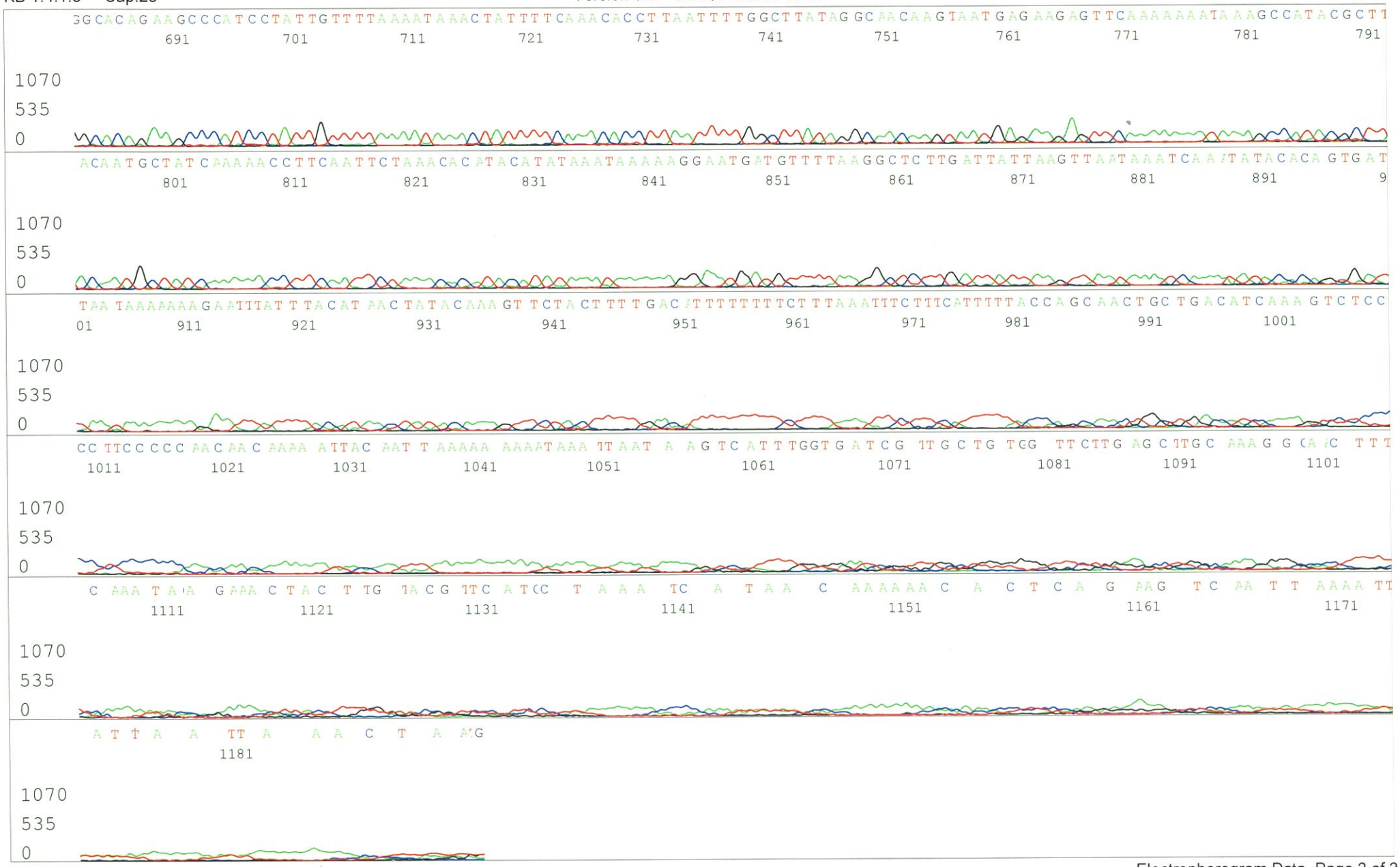
S/N G:23 A:38 T:35 C:27
KB.bcp
KB 1.4.1.8 Cap:23

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

7675_ARi07C12_A4Cj_GNPmixture_H02_23
7675_ARi07C12_A4Cj_GNPmixture
KB_3500_POP7_BDTv3.mob
Pts 1369 to 13348 Pk1 Loc:1346
Version 5.4 HiSQV Bases: 1016

Inst Model/Name 3500/3500 Instrument
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Mar 26,2014 10:57AM, JST
Spacing:11.88 Pts/Panel1350
Plate Name: 20140326_mix




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801 811 821 831 841 851 861 871 881 891
911 921 931 941 951 961 971 981 991 1001
1011 1021 1031 1041 1051 1061 1071 1081 1091 1101
1111 1121 1131 1141 1151 1161 1171
1181
1070
535
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