RIKEN_Clone_ID : IRAL021I14

Lot#: 7566_B3Aj

Vector : pDNR-LIB

Gene	HLA-DRB1	
Accession No.	BC008403.1	1202 bp
	CDS	801 bp

● Plasmid DNA purification

Date : 23.01.24　　Culture : LB (25 ug/ml Chloramphenicol) 5 ml -> at 37 deg C over night

Date : 23.01.25　　Purification : QIAGEN Miniprep kit -> dH_2O 100 ul

● Digestion by restriction enzyme/Concentrarion calibration

Date : 23.01.25

DNA concentration (O.D.): 336 ng/ul

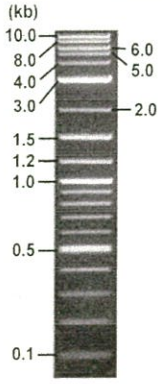
DNA	0.3 ul
Enzyme (EcoRI + XhoI)	0.5 + 0.5 ul
Buffer H	1 ul
dH_2O	7.7 ul
Total	10 ul

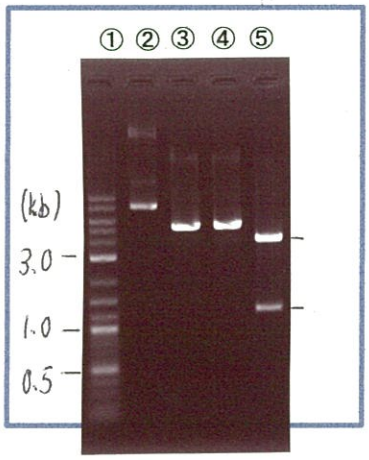
< Size of fragment expected from this clone >

EcoRI	5.1 kb	
XhoI	5.1 kb	
EcoRI + XhoI	3.9kb (Vector)	1.2 kb

Erectrophoresis : 1% agarose gel, 1x TAE Buffer

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





①:Marker
②:uncut
③:EcoRI
④:XhoI
⑤:EcoRI + XhoI

● Adjust plasmid DNA solution to 25 ng/ul

Date : 23.01.26

DNA (336 ng/ul)	88.0	ul
10x TE	118.2	ul
dH_2O	976.5	ul
Total	1182.7	ul

● Confirmation of the insertion sequence

Date : 23.01.26

Primer A	T7 long
Primer B	M13 Reverse
Primer C	poly(A) region primer #0
List of Sequencing Primers	http://dna.brc.riken.jp/en/GNPclone3en.html

● Shipping

☑ Conc. : 25 ng/μl, Volume : 40 μl

☐ Conc. : ng/μl, Volume : μl

確認 23.1.26 笹沼

APPROVED BY :

http://dna.brc.riken.jp/index.html

Applied Biosystems

S/N G:157 A:179 T:122 C:19
KB.bcp
KB 1.4.1.8 Cap:3

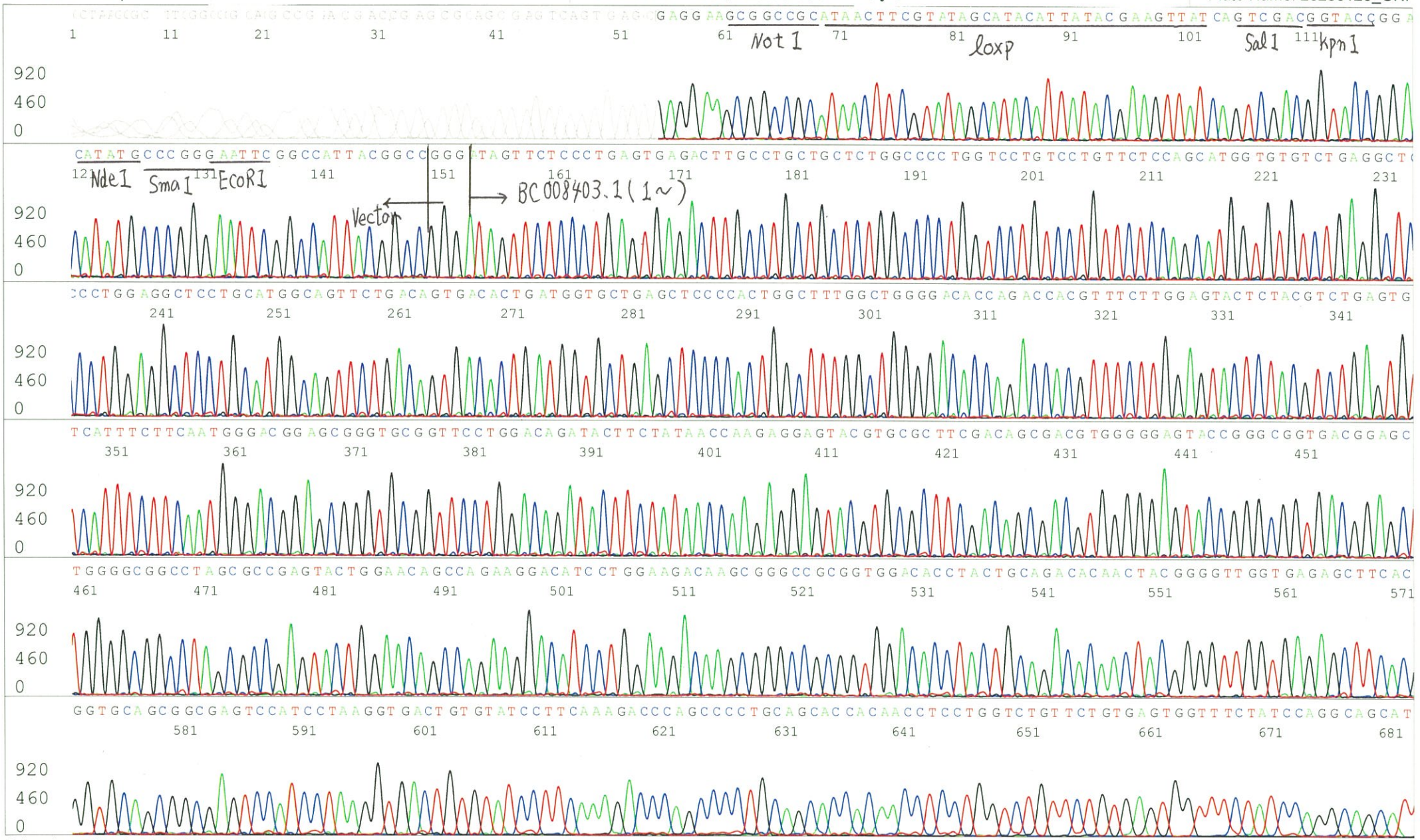
Primer A : T7 long

5' CGCCAAGCTCTAATACGACTCACTATAGGG 3'

7566_IRAL021I14_B3Aj_1_T7long_A03_03_ABI24
7566_IRAL021I14_B3Aj_1_T7long
KB_3500_POP7_BDTv3.mob
Pts 1605 to 12312 Pk1 Loc:1588
Version 6.0 HiSQV Bases: 784

Gray line indicates quality value (QV) < 40.

Inst Model/Name 3500/3500 Instrument
Jan 26,2023 09:51AM, JST
Jan 26,2023 10:12AM, JST
Spacing:13.66 Pts/Panel1350
Plate Name: 20230126_GNP



Applied Biosystems

S/N G:107 A:127 T:89 C:124
KB.bcp
KB 1.4.1.8 Cap:6

Primer B : M13 Reverse
5' AAACAGCTATGACCATGTTCA 3'

7566_IRAL021I14_B3Aj_1_M13reverse_B03_06_ABI24
7566_IRAL021I14_B3Aj_1_M13reverse
KB_3500_POP7_BDTv3.mob
Pts 1595 to 12323 Pk1 Loc:1578
Version 6.0 HiSQV Bases: 601

Inst Model/Name 3500/3500 Instrument
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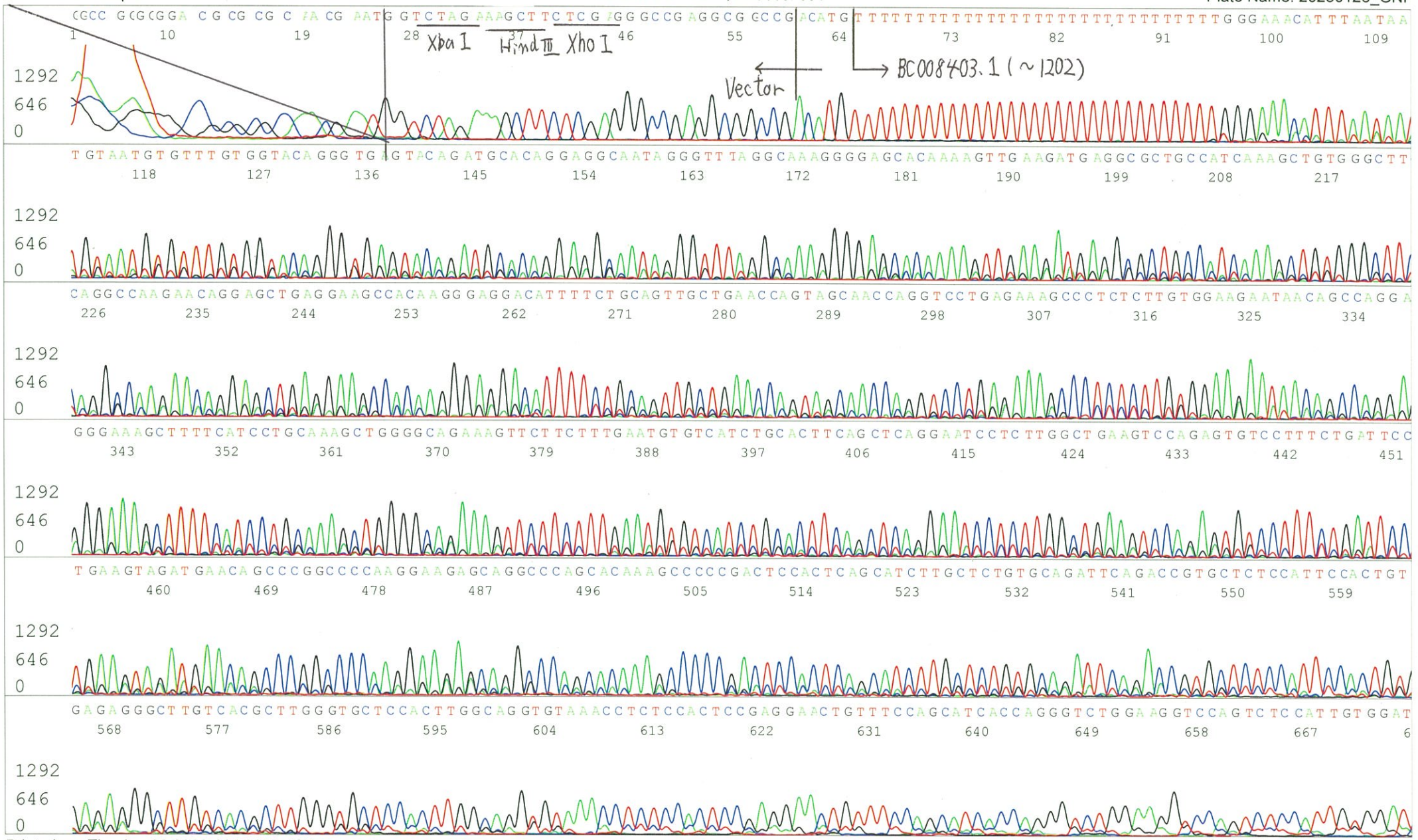
Jan 26,2023 10:12AM, JST
Spacing:13.45 Pts/Panel1350
Plate Name: 20230126_GNP



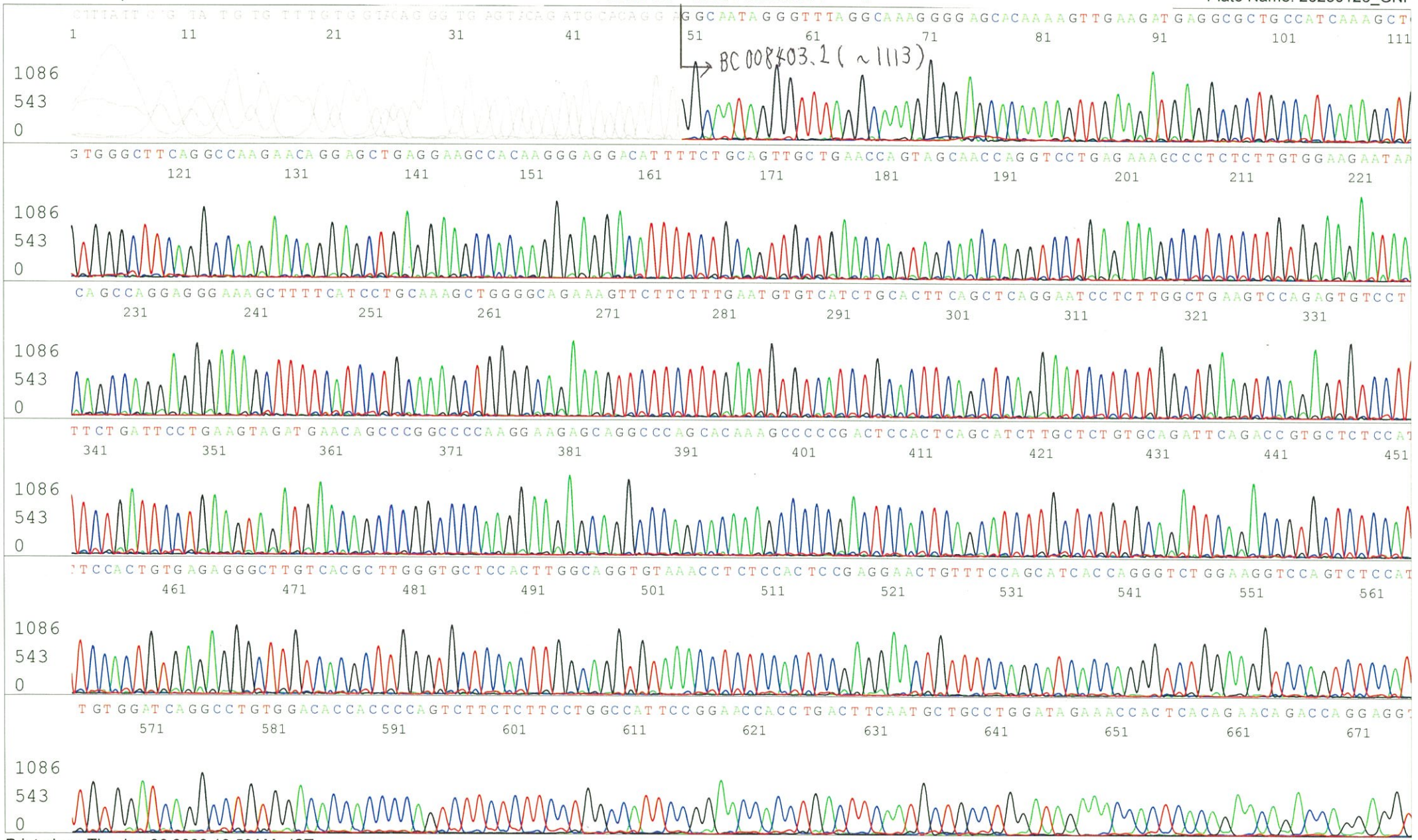
Applied Biosystems

S/N G:248 A:305 T:185 C:32
KB.bcp
KB 1.4.1.8 Cap:9

Primer C : Poly(A) region primer #0

5' TTTTTTTTTTTTTTTTTTTTTVNN 3'

7566_IRAL021I14_B3Aj_1_GNPmixture_C03_09_ABI24
7566_IRAL021I14_B3Aj_1_GNPmixture
KB_3500_POP7_BDTv3.mob
Pts 1597 to 12236 Pk1 Loc:1580
Version 6.0 HiSQV Bases: 804

Gray line indicates quality value (QV) < 40.

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Jan 26,2023 10:12AM, JST
Spacing:13.55 Pts/Panel1350
Plate Name: 20230126_GNP