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NRCD Human Full-Length cDNA Clone

Gene Engineering Division
RIKEN BioResource Research Center

RIKEN Clone ID : RBd24E07
Vector : pGCAP10

Lot# : 7677_B0An

Gene	PTCHD2	
Accession No.	AB593117	5263 bp

● Plasmid DNA purification

Date : 2020.01.23 Culture : LB (100 ug/ml Ampicillin) 5 ml -> at 37 deg C O/N

Date : 2020.01.24 Purification : QIAGEN Miniprep kit -> dH_2O 100 ul

● Digestion by restriction enzyme/Concentrarion calibration

Date : 2020.01.24

DNA concentration (O.D.): 277 ng/ul

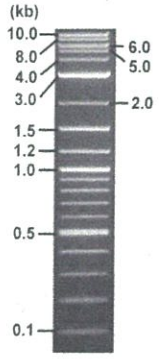
DNA	0.35	ul
Enzyme (BamHI)	1	ul
Buffer H	1	ul
dH_2O	7.65	ul
Total	10	ul

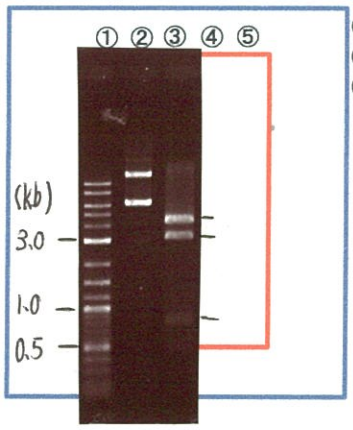
< Size of fragment expected from this clone >

BamHI 3.1kb (vector), 4.3, 0.8, 0.4 kb (unsure)

Erectrophoresis : 1% agarose gel, 1x TAE Buffer

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





①:Marker
②:uncut
③:BamHI

● Confirmation of the insertion sequence

Date : 2021.03.02

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

● Adjust plasmid DNA solution to 25 ng/ul

Date : 2021.03.30

DNA (277 ng/ul)	68.0	ul
10x TE	75.3	ul
dH_2O	610.1	ul
Total	753.4	ul

● Shipping

☑ Conc. : 25 ng/μl, Volume : 40 μl

☐ ~~Conc. : ___ ng/μl, Volume : ___ μl~~

APPROVED BY :

確認 DNA 21.3.02 笹沼

Applied Biosystems

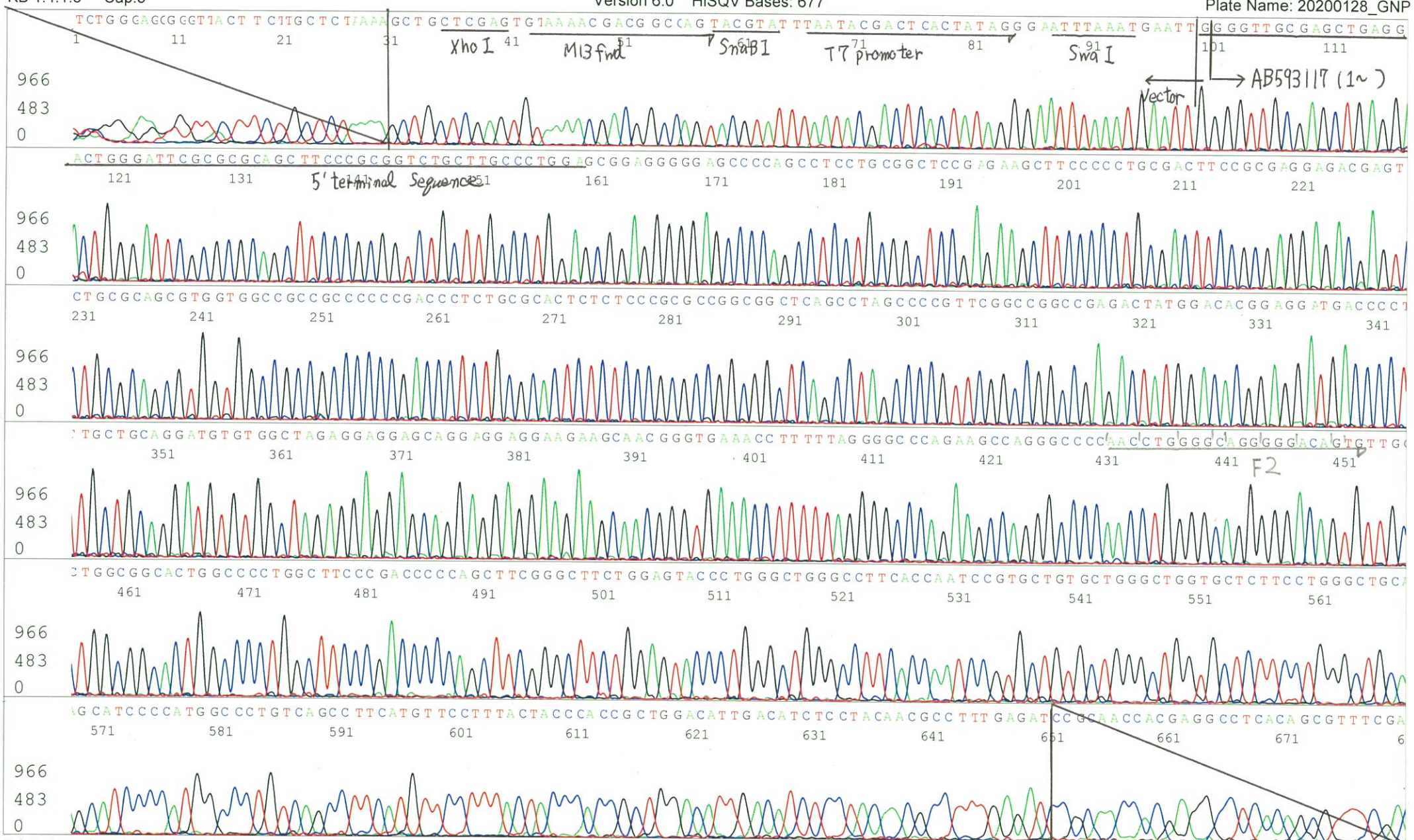
S/N G:51 A:40 T:28 C:56
KB.bcp
KB 1.4.1.8 Cap:5

Primer A : pGCAP-F

5' CTCAGTGGATGTTGCCTTTAC 3'

7677_RBd24E07_B0An_pGCAP_F_B05_05_ABI24
7677_RBd24E07_B0An_pGCAP_F
KB_3500_POP7_BDTv3.mob
Pts 1718 to 8706 Pk1 Loc:1686
Version 6.0 HiSQV Bases: 677

Inst Model/Name 3500/3500 Instrument
Jan 28,2020 10:46AM, JST
Jan 28,2020 11:03AM, JST
Spacing:10.83 Pts/Panel1350
Plate Name: 20200128_GNP



Applied Biosystems

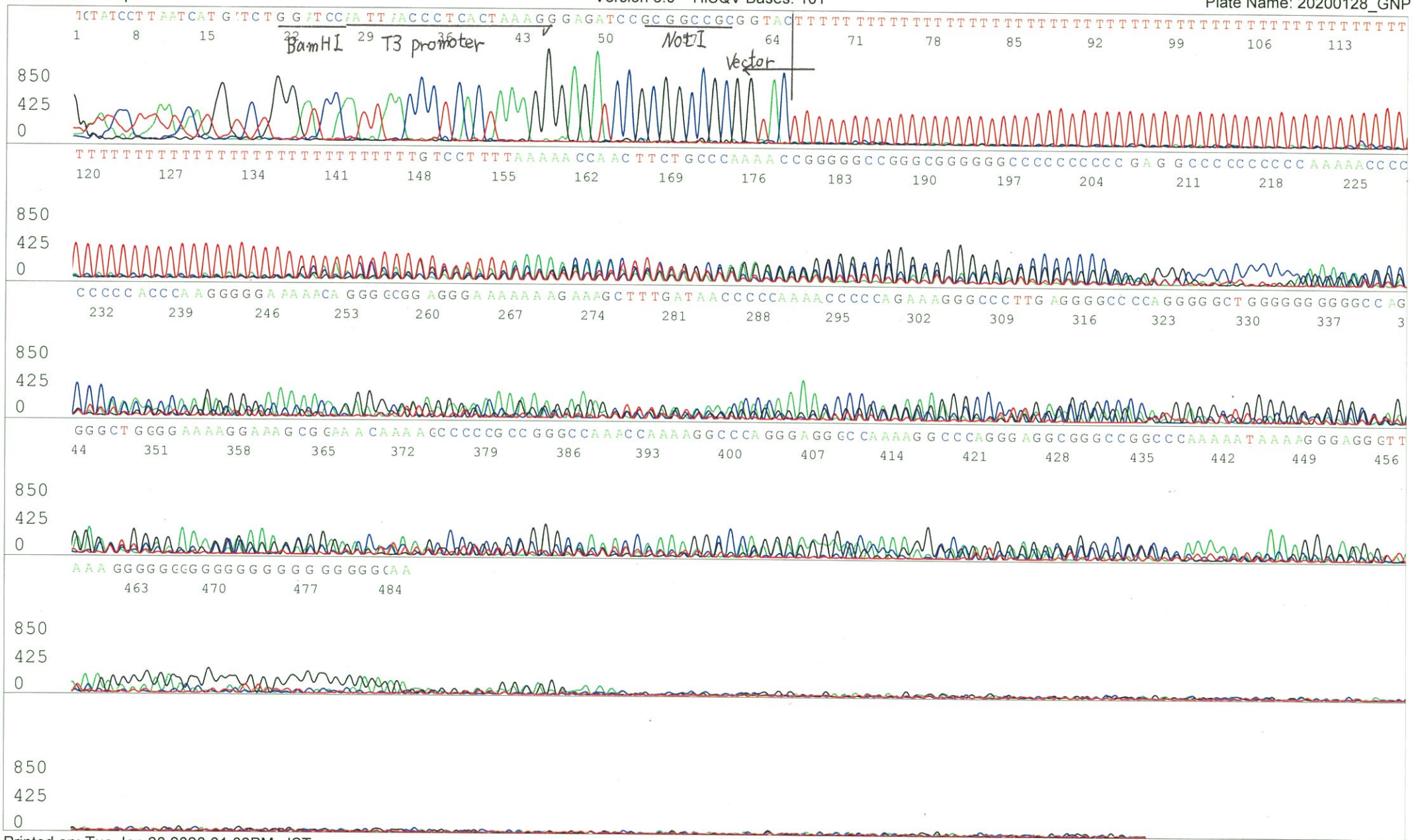
S/N G:15 A:13 T:16 C:16
KB.bcp
KB 1.4.1.8 Cap:8

Primer B : pGCAP-R

5' GCATTCTAGTTGTGGTTTGTCC 3'

7677_RBd24E07_B0An_pGCAP_R_C05_08_ABI24
7677_RBd24E07_B0An_pGCAP_R
KB_3500_POP7_BDTv3.mob
Pts 1707 to 8000 Pk1 Loc:1675
Version 6.0 HiSQV Bases: 101

Inst Model/Name 3500/3500 Instrument
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Jan 28,2020 11:03AM, JST
Spacing:10.78 Pts/Panel1350
Plate Name: 20200128_GNP



Printed on: Tue Jan 28,2020 01:02PM, JST

Applied Biosystems

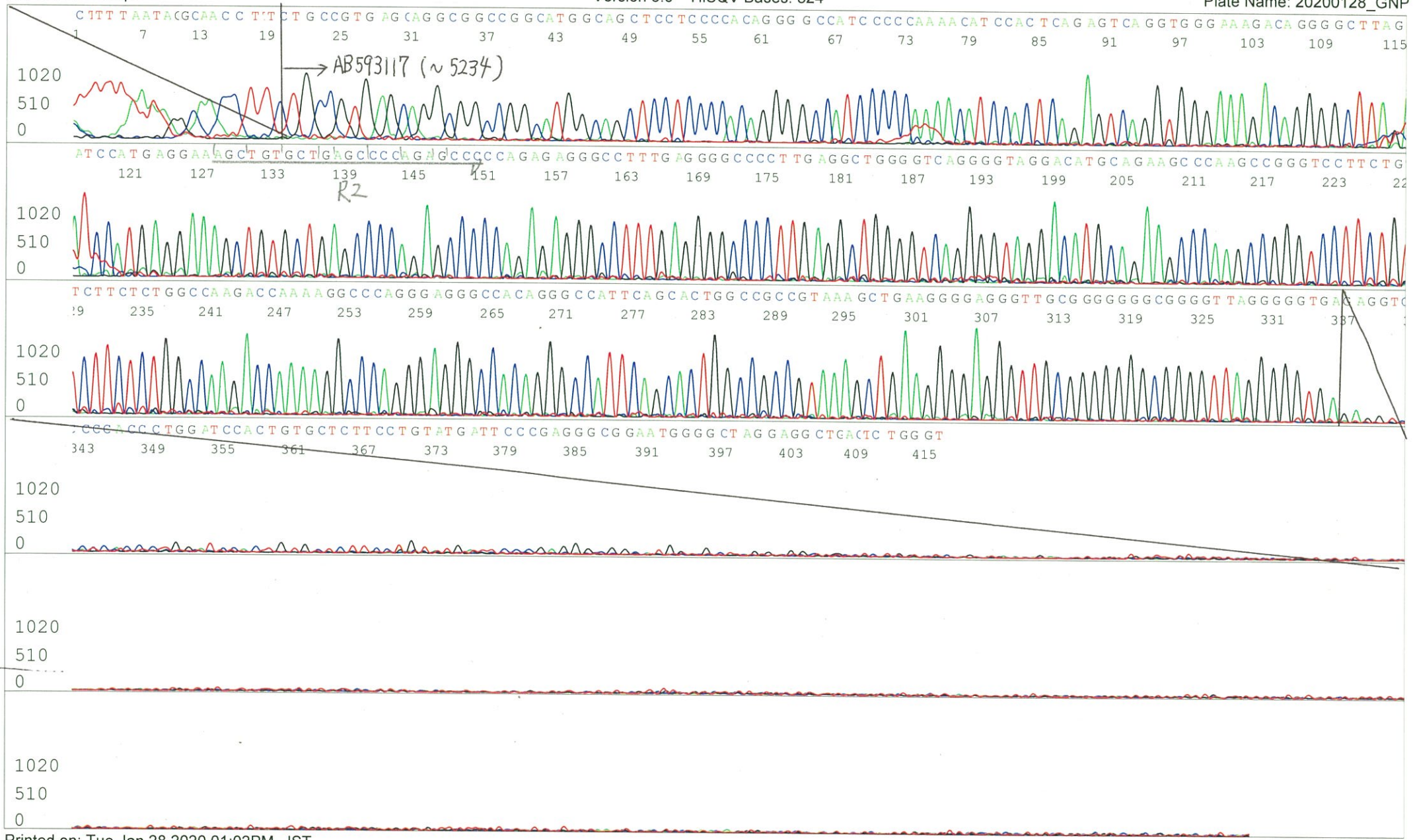
S/N G:30 A:22 T:14 C:24
KB.bcp
KB 1.4.1.8 Cap:11

Primer C : Poly(A) region primer #0

5' TTTTTTTTTTTTTTTTTTTTVNN 3'

7677_RBd24E07_B0An_GNPmixture_D05_11_ABI24
7677_RBd24E07_B0An_GNPmixture
KB_3500_POP7_BDTv3.mob
Pts 1698 to 8000 Pk1 Loc:1666
Version 6.0 HiSQV Bases: 324

Inst Model/Name 3500/3500 Instrument
Jan 28,2020 10:46AM, JST
Jan 28,2020 11:03AM, JST
Spacing:10.83 Pts/Panel1350
Plate Name: 20200128_GNP



Printed on: Tue Jan 28,2020 01:02PM, JST