Genome Network Project_Full -Length cDNA clone　　Gene Engineering Division RIKEN BRC

RIKEN_Clone_ID : IRAK174F17

Lot#: 7893_B1D8

Vector : pCMV-SPORT6

Gene	HLA-DQA1	
Accession No.	BC073977.1	1165 bp
	CDS	765 bp

● Plasmid DNA purification

Date : 2021.04.08　　Culture : LB (100 ug/ml Ampicillin) 5 ml -> at 37 deg C over night

Date : 2021.04.09　　Purification : QIAGEN Miniprep kit -> dH_2O 100 ul

● Digestion by restriction enzyme/Concentrarion calibration

Date : 2021.04.09

DNA concentration (O.D.): 294 ng/ul

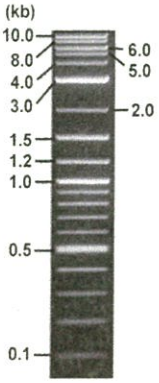
DNA	0.35 ul
Enzyme (EcoRI + XhoI)	0.5 + 0.5 ul
Buffer H	1 ul
dH_2O	7.65 ul
Total	10 ul

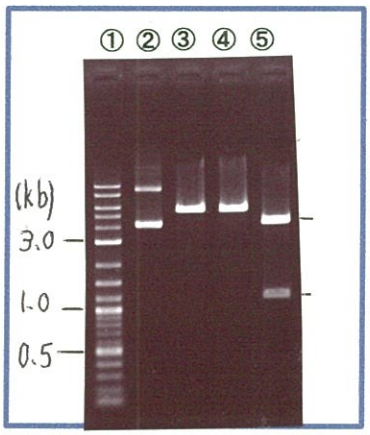
< Size of fragment expected from this clone >

EcoRI	5.5 kb	
XhoI	5.5 kb	
EcoRI + XhoI	4.3kb (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 :

DNA (294 ng/ul)	86.0	ul
10x TE	101.1	ul
dH_2O	824.2	ul
Total	1011.3	ul

● Confirmation of the insertion sequence

Date : 2021.04.13

Primer A	Reverse2
Primer B	M13
Primer C	poly(A) region primer #0
List of Sequencing Primers	http://dna.brc.riken.jp/en/GNPclone3en.html

● Shipping

☑ Conc. : 25 ng/ μ l, Volume : 40 μ l

☐ ~~Conc. : ng/ μ l, Volume : μ l~~

確認 21.4.13 笹沼

APPROVED BY :

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

Applied Biosystems

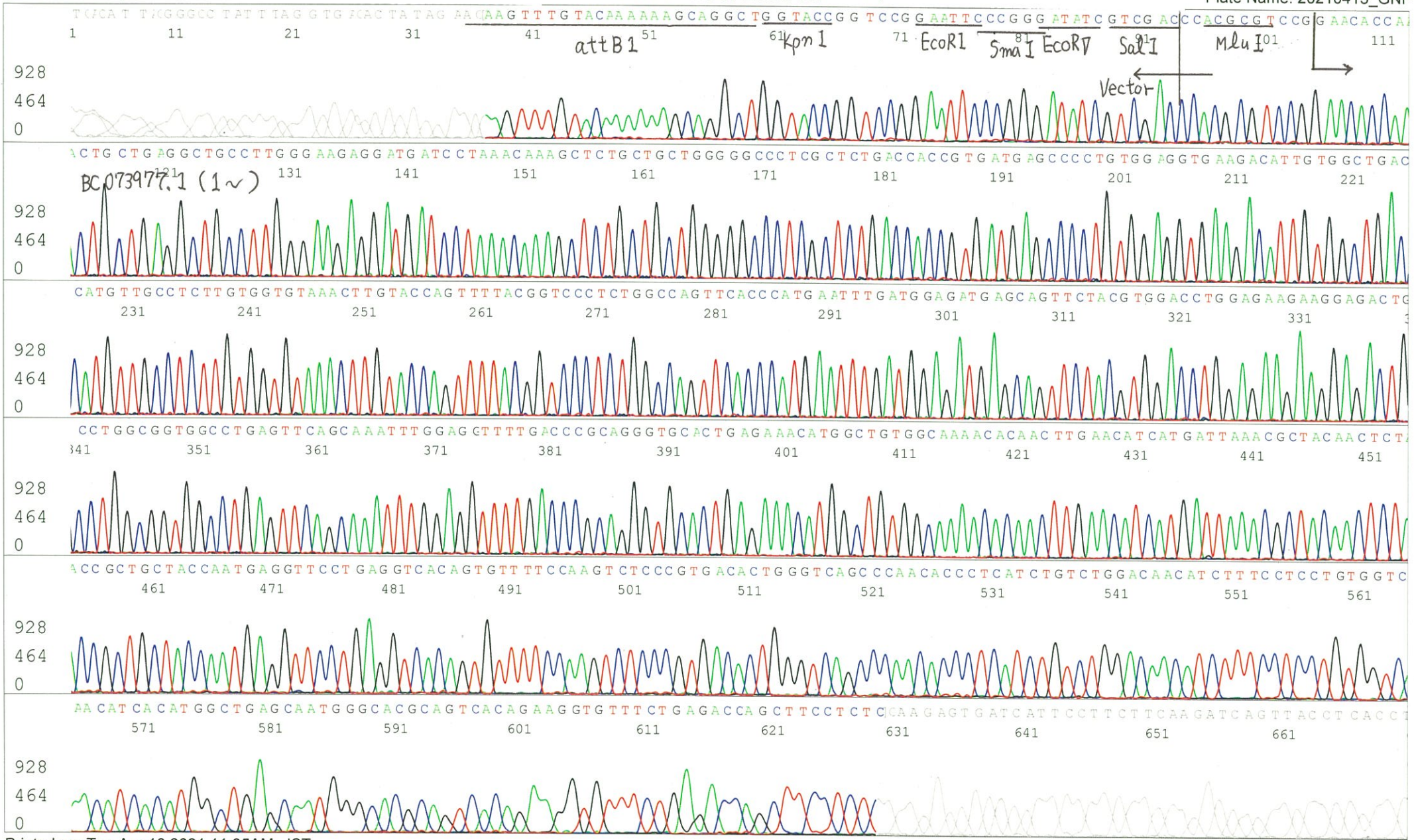
S/N G:60 A:62 T:46 C:63
KB.bcp
KB 1.4.1.8 Cap:2

Primer A : Reverse2
5' GCGGATAACAATTTCACACAGG 3'

7893_IRAK174F17_B1D8_Reverse2_A02_02_ABI24
7893_IRAK174F17_B1D8_Reverse2
KB_3500_POP7_BDTv3.mob
Pts 1901 to 8707 Pk1 Loc:1869
Version 6.0 HiSQV Bases: 664

Gray line indicates quality value (QV) < 40.

Inst Model/Name 3500/3500 Instrument
Apr 13,2021 10:08AM, JST
Apr 13,2021 10:32AM, JST
Spacing:10.76 Pts/Panel1350
Plate Name: 20210413_GNP



Applied Biosystems

S/N G:167 A:213 T:136 C:169
KB.bcp
KB 1.4.1.8 Cap:5

Primer B : M13

5' GTTTTCCCAGTCACGACGTTGTA 3'

7893_IRAK174F17_B1D8_M13(-40)_B02_05_ABI24
7893_IRAK174F17_B1D8_M13(-40)
KB_3500_POP7_BDTv3.mob
Pts 1897 to 8707 Pk1 Loc:1865
Version 6.0 HiSQV Bases: 480

Gray line indicates quality value (QV) < 40.

Inst Model/Name 3500/3500 Instrument
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Apr 13,2021 10:32AM, JST
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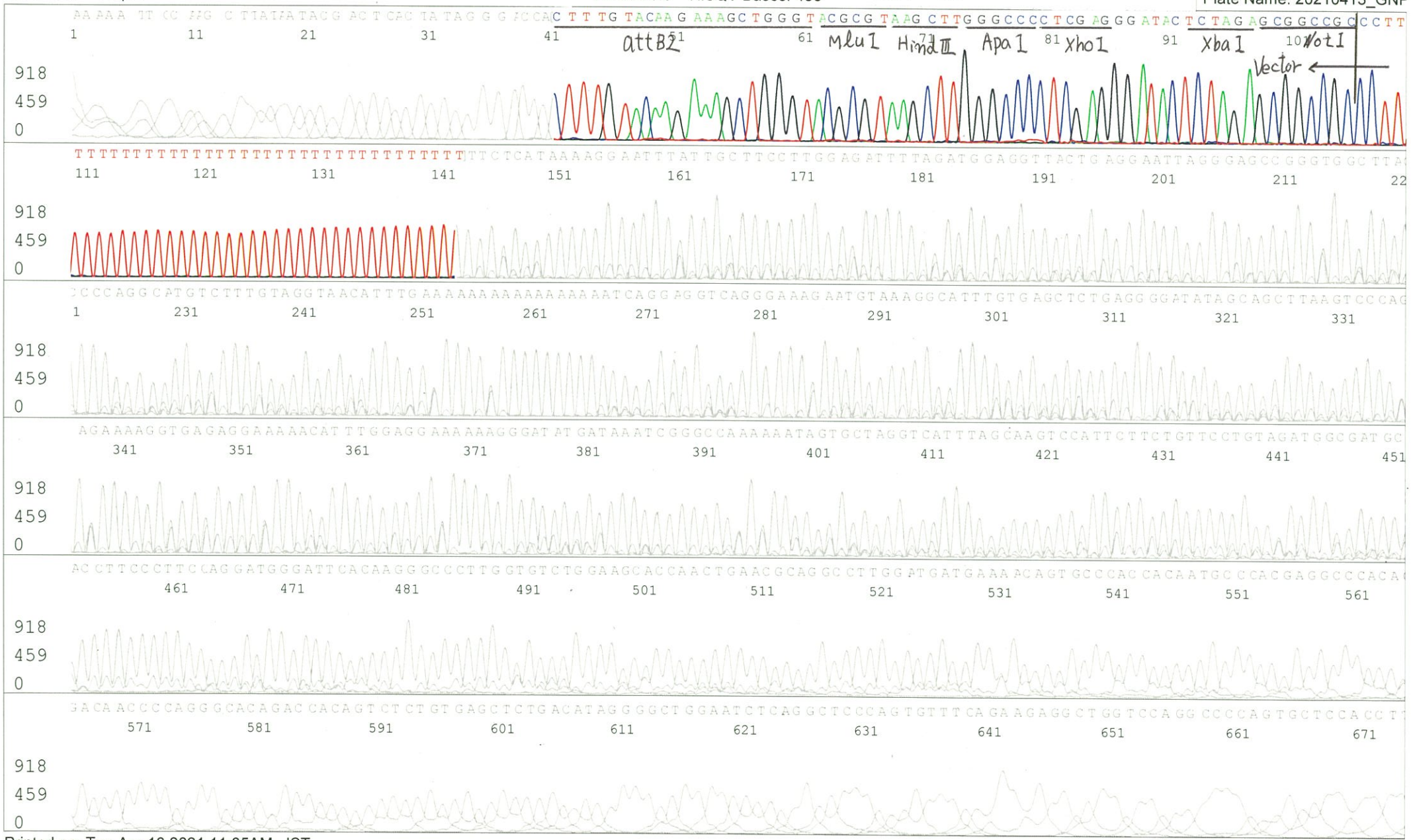
Plate Name: 20210413_GNP



Applied Biosystems

S/N G:20 A:20 T:14 C:15
KB.bcp
KB 1.4.1.8 Cap:8

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

7893_IRAK174F17_B1D8_GNPmixture_C02_08_ABI24
7893_IRAK174F17_B1D8_GNPmixture
KB_3500_POP7_BDTv3.mob
Pts 1902 to 8707 Pk1 Loc:1870
Version 6.0 HiSQV Bases: 632

Gray line indicates quality value (QV) < 40.

Inst Model/Name 3500/3500 Instrument
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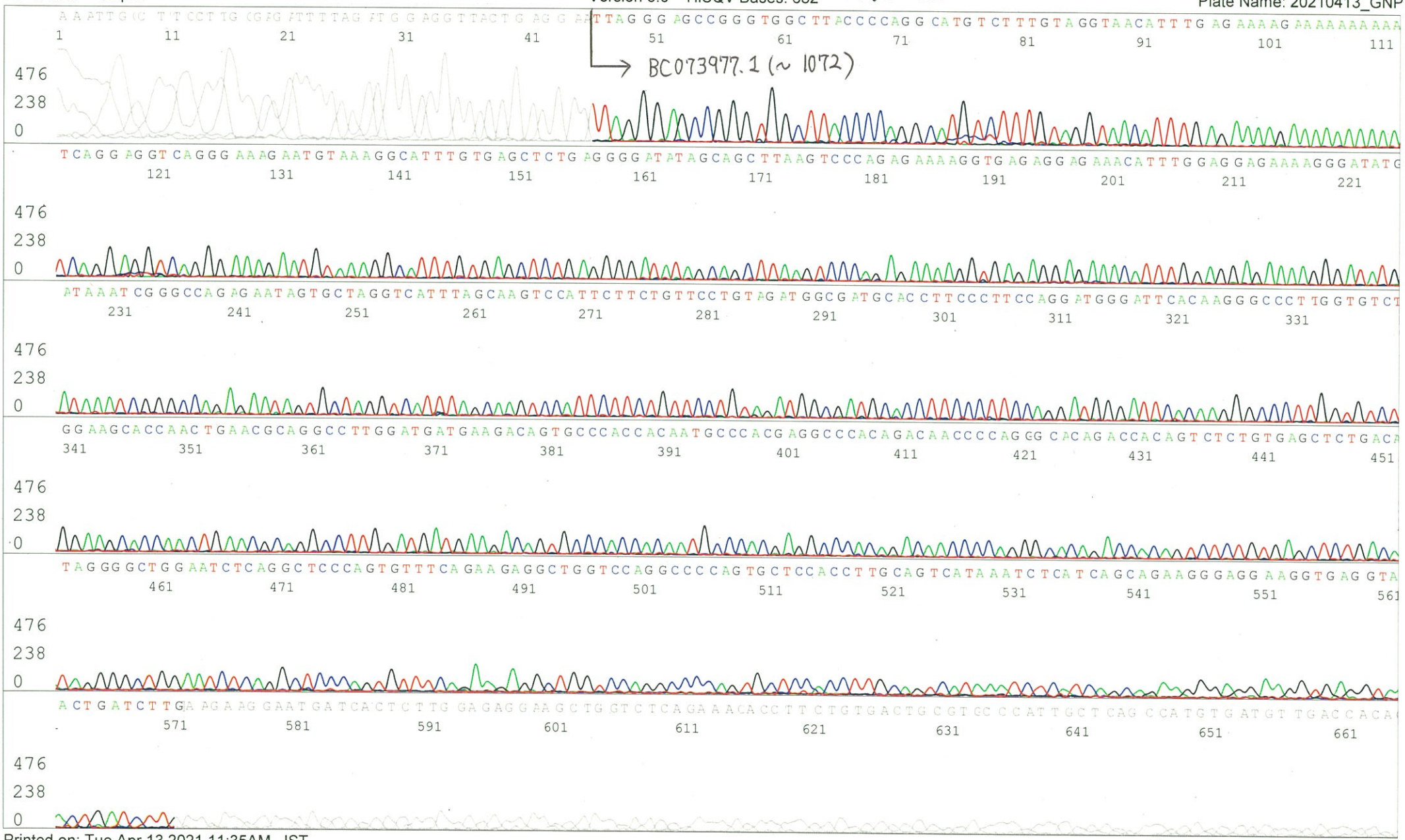
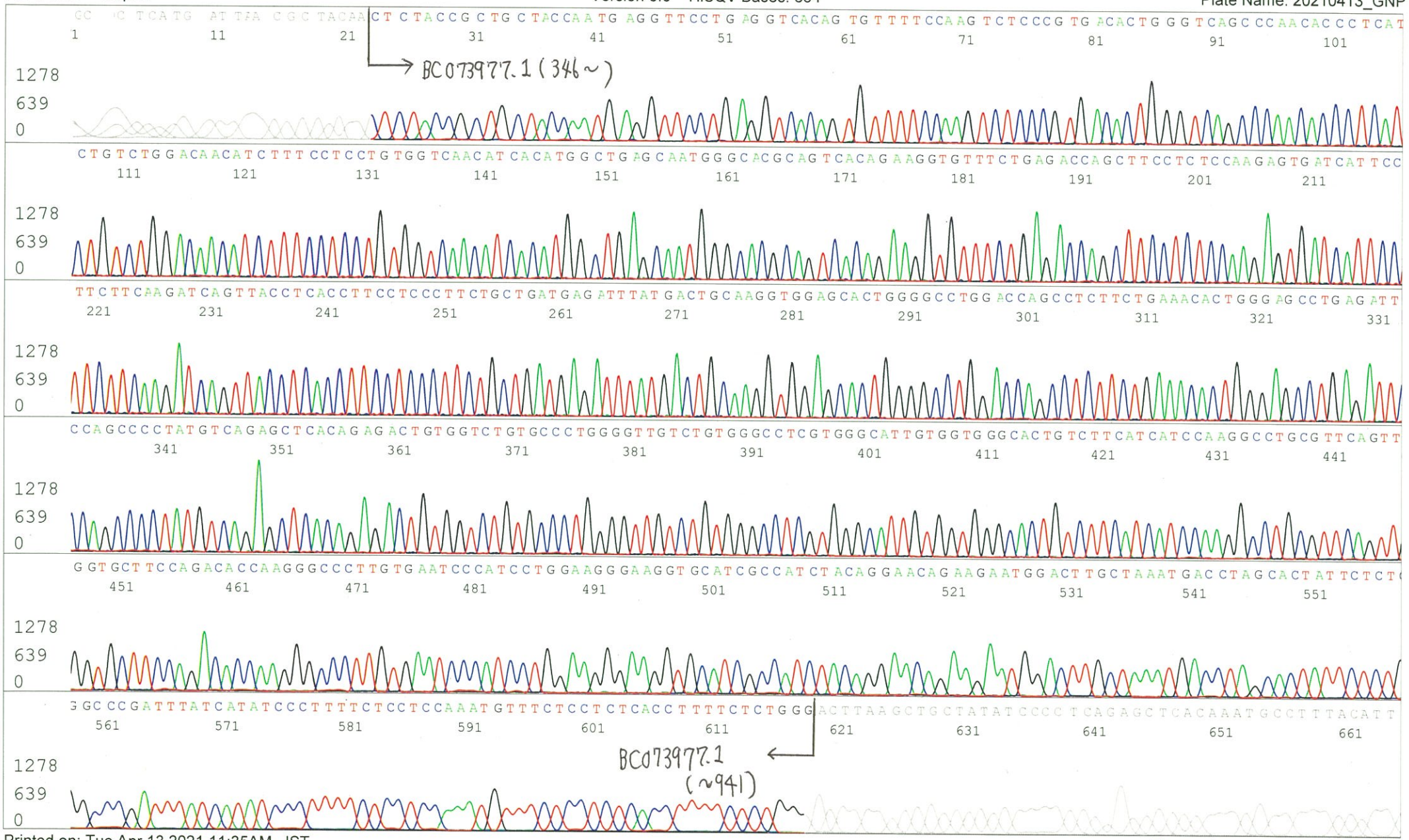
Plate Name: 20210413_GNP



Applied Biosystems

S/N G:522 A:550 T:436 C:604
KB.bcp
KB 1.4.1.8 Cap:11

7893_IRAK174F17_B1D8_BC073977F1_D02_11_ABI24
7893_IRAK174F17_B1D8_BC073977F1
KB_3500_POP7_BDTv3.mob
Pts 1880 to 8707 Pk1 Loc:1848
Version 6.0 HiSQV Bases: 684

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