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

RIKEN_Clone_ID : IRAK068P23

Lot#: 7893_B1Ca

Vector : pCMV-SPORT6

Gene	HLA-DRB1	
Accession No.	BC033827.1	1229 bp
	CDS	801 bp

● Plasmid DNA purification

Date : 21.03.10　　Culture : LB (100 ug/ml Ampicillin) 5 ml -> at 37 deg C over night

Date : 21.03.11　　Purification : QIAGEN Miniprep kit -> dH_2O 100 ul

● Digestion by restriction enzyme/Concentrarion calibration

Date : 21.03.11

DNA concentration (O.D.): 224 ng/ul

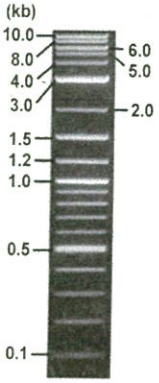
DNA	0.4 ul
Enzyme (EcoRI + XhoI)	0.5 + 0.5 ul
Buffer H	1 ul
dH_2O	7.6 ul
Total	10 ul

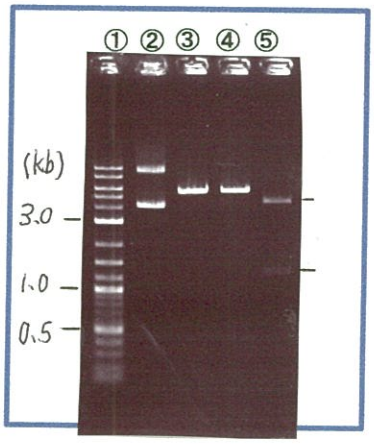
< Size of fragment expected from this clone >

EcoRI	5.6 kb	
XhoI	5.6 kb	
EcoRI + XhoI	4.3kb (Vector)	1.3 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 : 21.03.15

DNA (224 ng/ul)	86.0 ul
10x TE	77.0 ul
dH_2O	607.5 ul
Total	770.5 ul

● Confirmation of the insertion sequence

Date : 21.03.12

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/μl, Volume : 40 μl

☐ ~~Conc. : ng/μl, Volume : μl~~

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

Applied Biosystems

S/N G:57 A:57 T:39 C:64
KB.bcp
KB 1.4.1.8 Cap:7

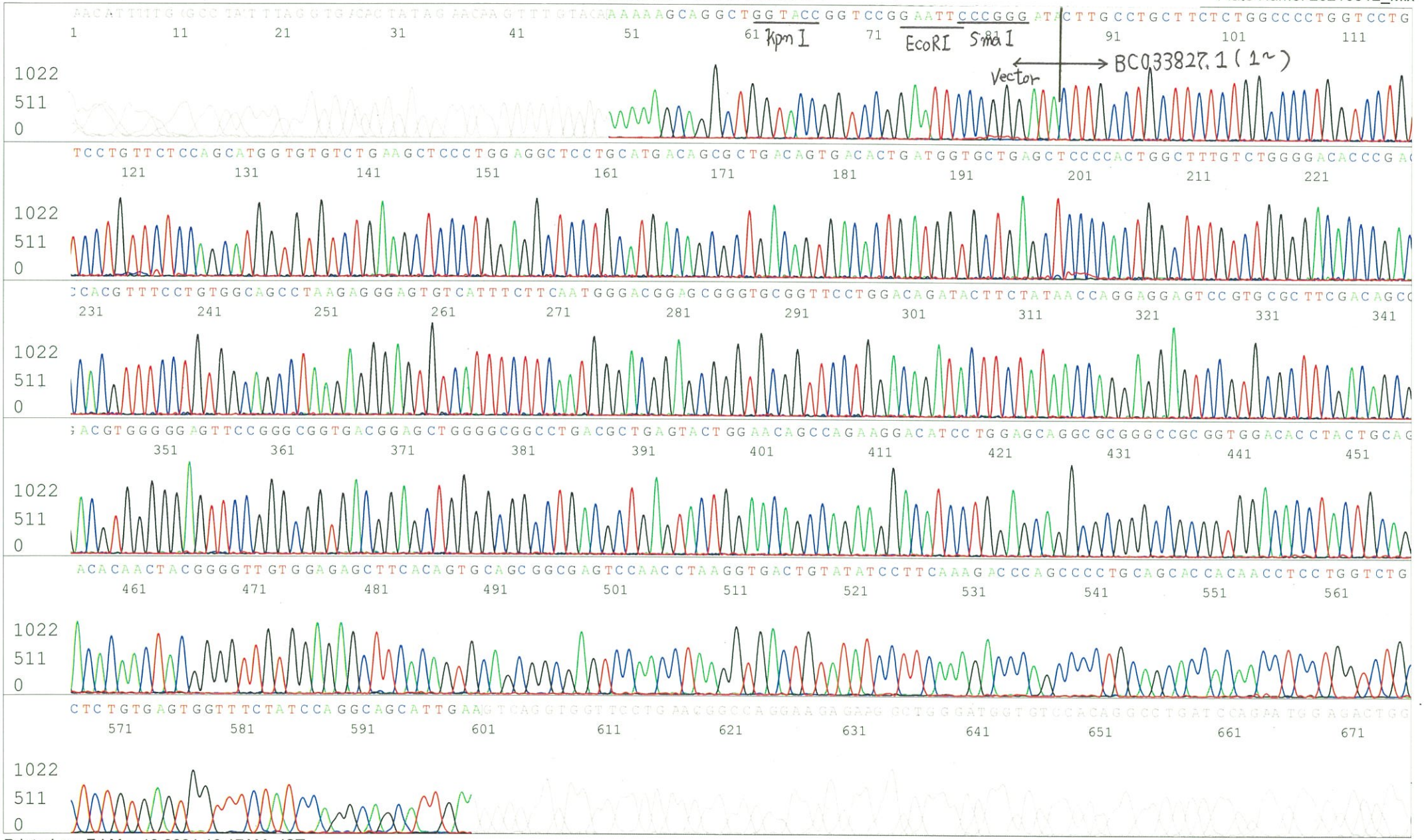
Primer A : Reverse2

5' GCGGATAACAATTTCACACAGG 3'

7893_IRAK068P23_B1Ca_Reverse2_C01_07_ABI24
7893_IRAK068P23_B1Ca_Reverse2
KB_3500_POP7_BDTv3.mob
Pts 1737 to 8706 Pk1 Loc:1705
Version 6.0 HiSQV Bases: 661

Gray line indicates quality value (QV) < 40.

Inst Model/Name 3500/3500 Instrument
Mar 12,2021 09:37AM, JST
Mar 12,2021 09:52AM, JST
Spacing:10.75 Pts/Panel1350
Plate Name: 20210312_Mix



Applied Biosystems

S/N G:13 A:16 T:11 C:12
KB.bcp
KB 1.4.1.8 Cap:10

Primer B : M13

5' GTTTTCCCAGTCACGACGTTGTA 3'

7893_IRAK068P23_B1Ca_M13(-40)_D01_10_ABI24
7893_IRAK068P23_B1Ca_M13(-40)
KB_3500_POP7_BDTv3.mob
Pts 1742 to 8706 Pk1 Loc:1710
Version 6.0 HiSQV Bases: 154

Gray line indicates quality value (QV) < 40.

Inst Model/Name 3500/3500 Instrument
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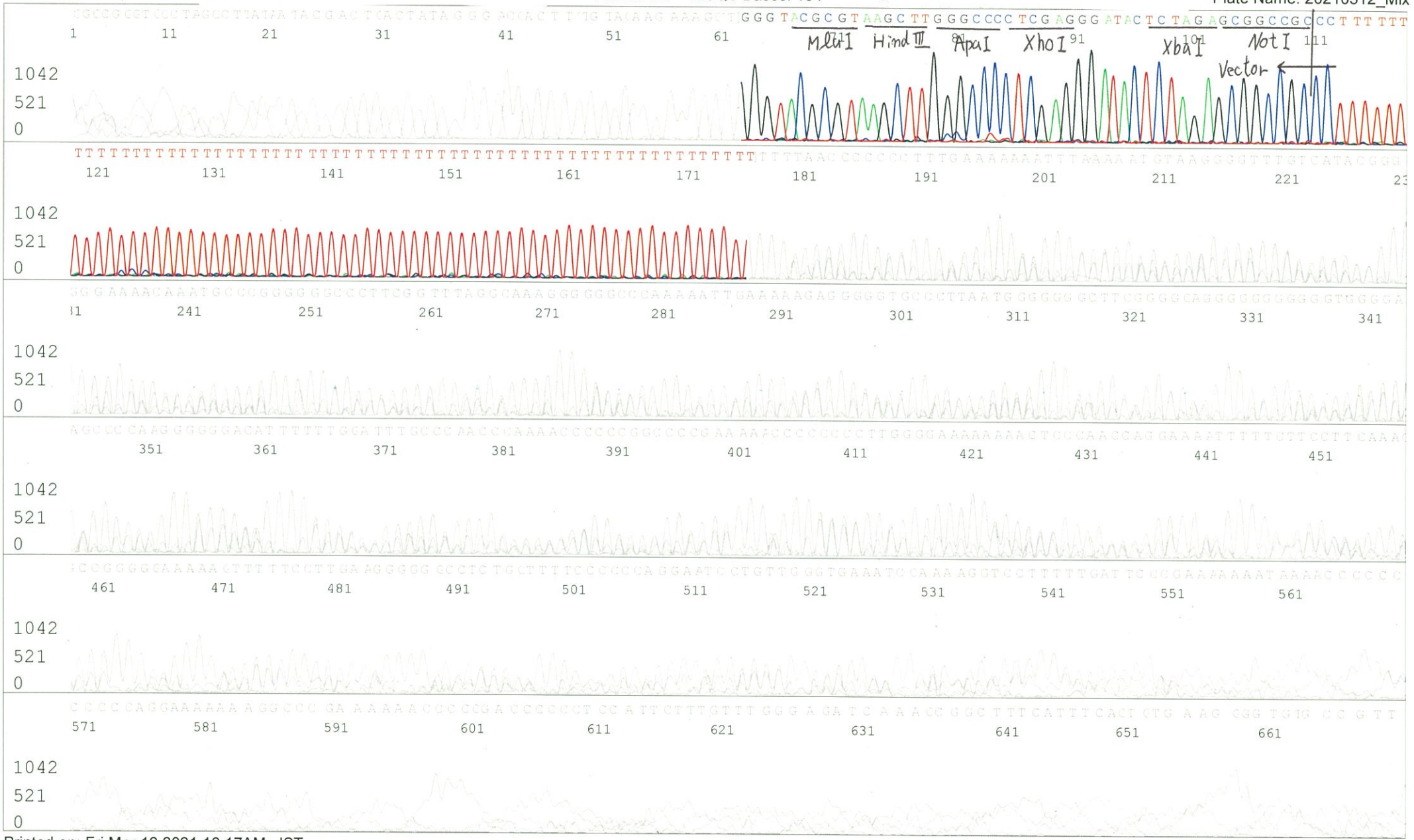
Mar 12,2021 09:52AM, JST
Spacing:10.81 Pts/Panel1350
Plate Name: 20210312_Mix

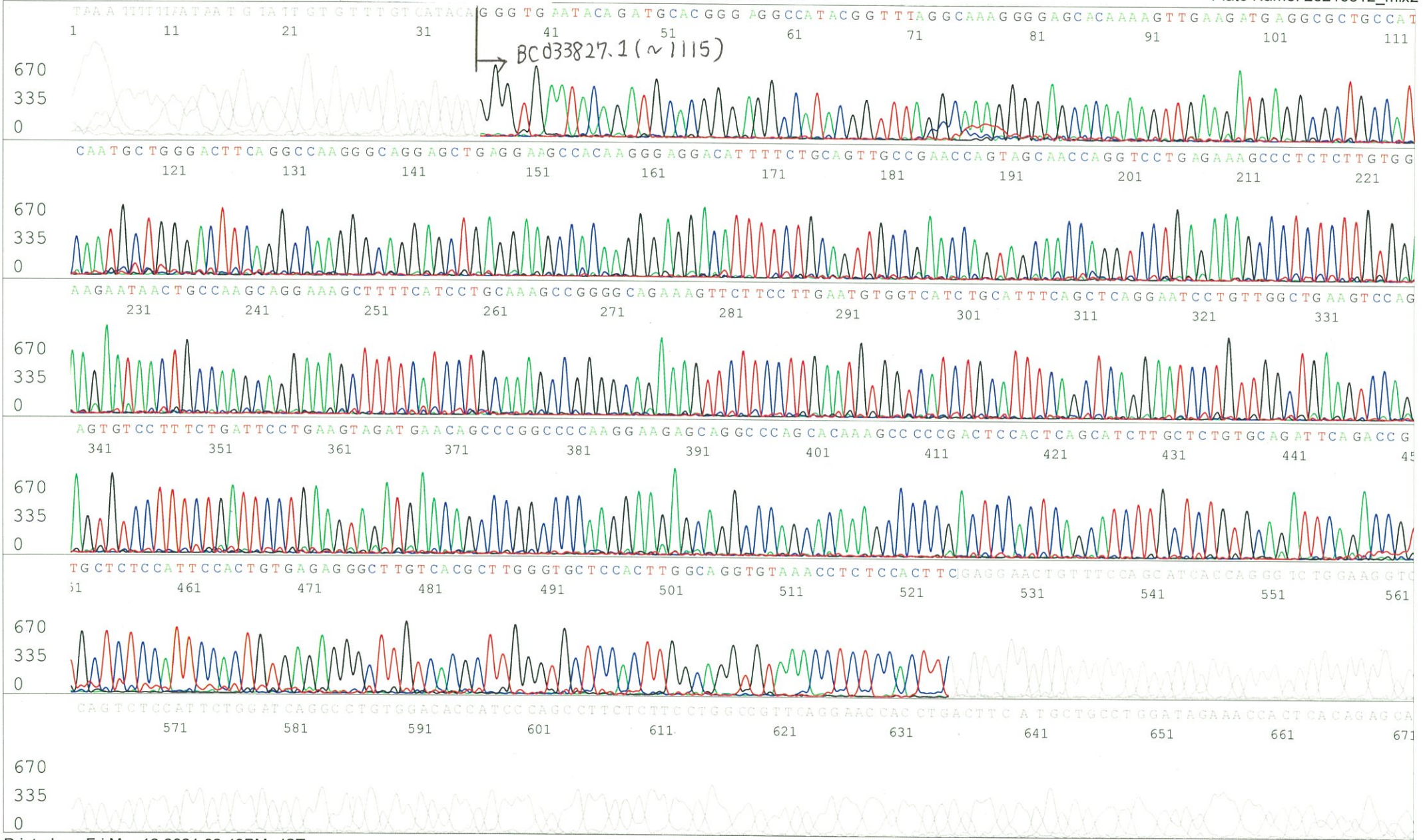


Applied Biosystems

S/N G:48 A:41 T:19 C:28
KB.bcp
KB 1.4.1.8 Cap:5

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

7893_IRAK068P23_B1Ca_GNP Mixture_B02_05_ABI24
7893_IRAK068P23_B1Ca_GNP Mixture
KB_3500_POP7_BDTv3.mob
Pts 1734 to 8707 Pk1 Loc:1702
Version 6.0 HiSQV Bases: 642

Gray line indicates quality value (QV) < 40.

Inst Model/Name 3500/3500 Instrument
Mar 12,2021 02:00PM, JST
Mar 12,2021 02:15PM, JST
Spacing:10.6 Pts/Panel1350
Plate Name: 20210312_mix2