RIKEN_Clone_ID : IRAL020P01

Lot#: 7566_B3Aj

Vector : pOTB7

Gene	HLA-DRB1	
Accession No.	BC007920.2	1218 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.): 290 ng/ul

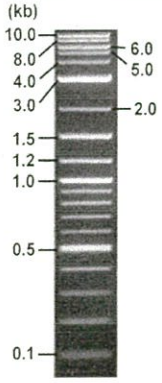
DNA	0.35 ul
Enzyme (BamHI + BglII)	0.5 + 0.5 ul
Buffer H	1 ul
dH_2O	7.65 ul
Total	10 ul

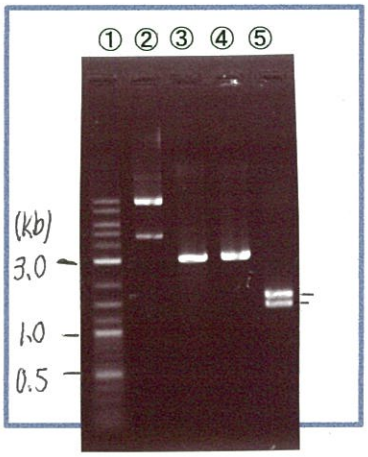
< Size of fragment expected from this clone >

BamHI	3.0 kb	
BglII	3.0 kb	
BamHI + BglII	1.6kb (Vector)	1.4 kb

Erectrophoresis : 1% agarose gel, 1x TAE Buffer

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





①:Marker
②:uncut
③:BamHI
④:BglII
⑤:BamHI + BglII

● Adjust plasmid DNA solution to 25 ng/ul

Date : 23.01.27

DNA (290 ng/ul)	86.0	ul
10x TE	99.7	ul
dH_2O	811.9	ul
Total	997.6	ul

● Confirmation of the insertion sequence

Date : 23.01.27

Primer A	pOTB7_F
Primer B	pOTB7_R
Primer C	poly(A) region primer #04
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 23.1.27 笹沼

APPROVED BY :

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

Applied Biosystems

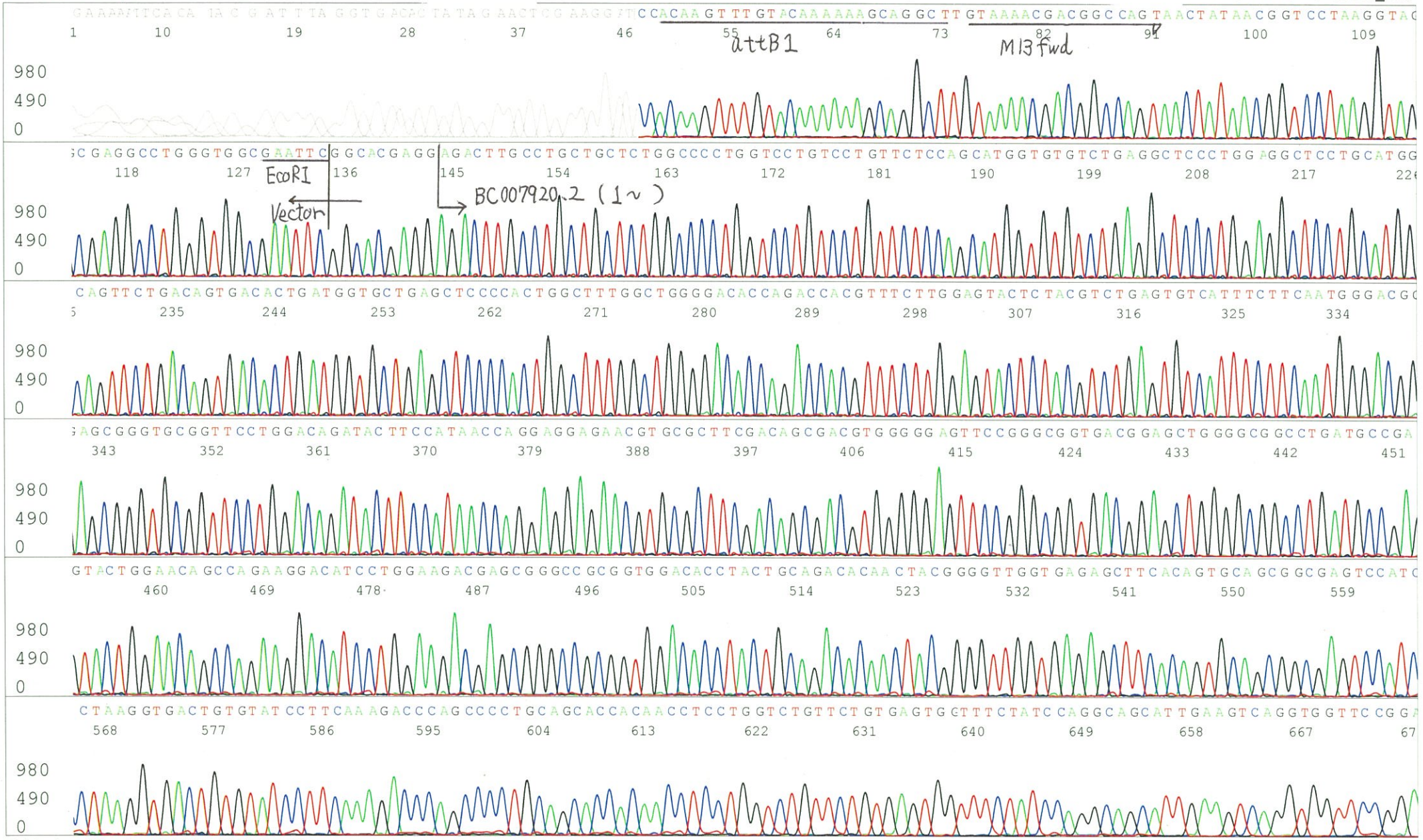
S/N G:209 A:253 T:152 C:26(
KB.bcp
KB 1.4.1.8 Cap:11

Primer A: pOTB7-F
5' AACGCGGCTACAATTAATACATAACC 3'

7566_IRAL020P01_B3Aj_1_pOTB7_F_D02_11_ABI24
7566_IRAL020P01_B3Aj_1_pOTB7_F
KB_3500_POP7_BDTv3.mob
Pts 1579 to 12204 Pk1 Loc:1562
Version 6.0 HiSQV Bases: 794

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:13.5 Pts/Panel1350
Plate Name: 20230126_GNP



Applied Biosystems

S/N G:46 A:65 T:51 C:57
KB.bcp
KB 1.4.1.8 Cap:23

Primer B: pOTB7-R

5' GTACTGCAGCCGATTCATTAATGC 3'

7566_IRAL020P01_B3Aj_1_pOTB7_R_H02_23_ABI24
7566_IRAL020P01_B3Aj_1_pOTB7_R
KB_3500_POP7_BDTv3.mob
Pts 1377 to 13441 Pk1 Loc:1354
Version 6.0 HiSQV Bases: 176

Gray line indicates quality value (QV) < 40.

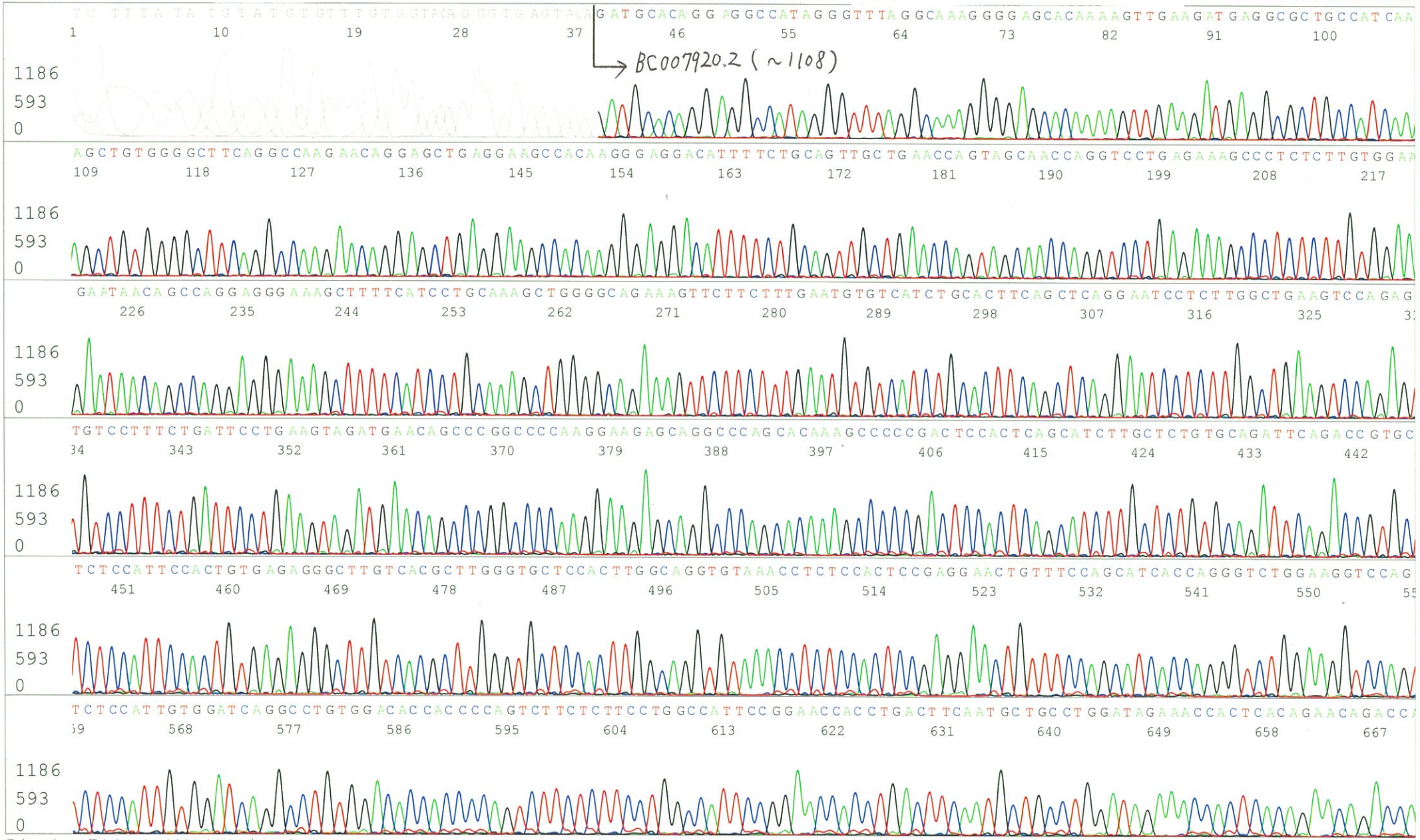
Inst Model/Name 3500/3500 Instrument
Jan 26,2023 02:56PM, JST
Jan 26,2023 03:36PM, JST
Spacing:12.15 Pts/Panel1350
Plate Name: 20230126 mix

Applied Biosystems

S/N G:210 A:199 T:139 C:20
KB.bcp
KB 1.4.1.8 Cap:20

Primer C : Poly(A) region primer # 4
5' TTTTTTTTTTTTTTTTTTTT CCA 3'

7566_IRAL020P01_B3Aj_1_GNP04_G02_20_ABI24
7566_IRAL020P01_B3Aj_1_GNP04
KB_3500_POP7_BDTv3.mob
Pts 1372 to 13520 Pk1 Loc:1349
Version 6.0 HiSQV Bases: 945

Gray line indicates quality value (QV) < 40.

Inst Model/Name 3500/3500 Instrument
Jan 26,2023 02:56PM, JST
Jan 26,2023 03:36PM, JST
Spacing:12.09 Pts/Panel1350
Plate Name: 20230126 mix