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

RIKEN_Clone_ID : IRAL024L19

Lot#: 7566_A8Da

Vector : pOTB7

Gene	PLAT	
Accession No.	BC018636.2	2556 bp
	CDS	1689 bp

● Plasmid DNA purification

Date : 180411

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

Date : 180412

Purification : QIAGEN Miniprep kit -> dH_2O 100 ul

● Digestion by restriction enzyme/Concentrarion calibration

Date : 180412

DNA concentration (O.D.): 29 ng/ul

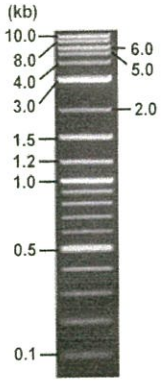
DNA	3.4 ul
Enzyme (BamHI + BglII)	0.5 + 0.5 ul
Buffer H	1 ul
dH_2O	4.6 ul
Total	10 ul

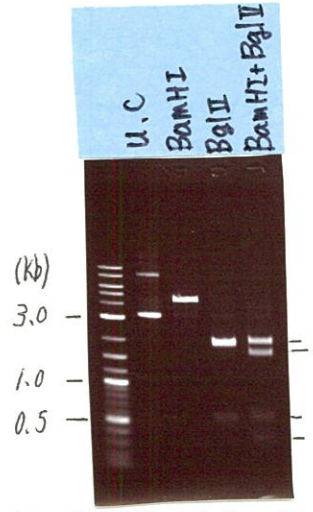
< Size of fragment expected from this clone >

BamHI	2.0, 1.9, 0.5 kb
BglII	6.0 kb
BamHI + BglII	1.6kb (Vector)　2.0, 0.5, 0.3 kb

Erectrophoresis : 1% agarose gel, 1x TAE Buffer

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





● Adjust plasmid DNA solution to 25 ng/ul

Date : 180413

DNA (29 ng/ul)	70.0 ul
10x TE	8.1 ul
dH_2O	3.1 ul
Total	81.2 ul

● Confirmation of the insertion sequence

Date : 180413

Primer A	pOTB7_F
Primer B	pOTB7_R
Primer C	-
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 18.4.13 笹沼

APPROVED BY :

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

Applied Biosystems

S/N G:80 A:96 T:70 C:113
KB.bcp
KB 1.4.1.8 Cap:3

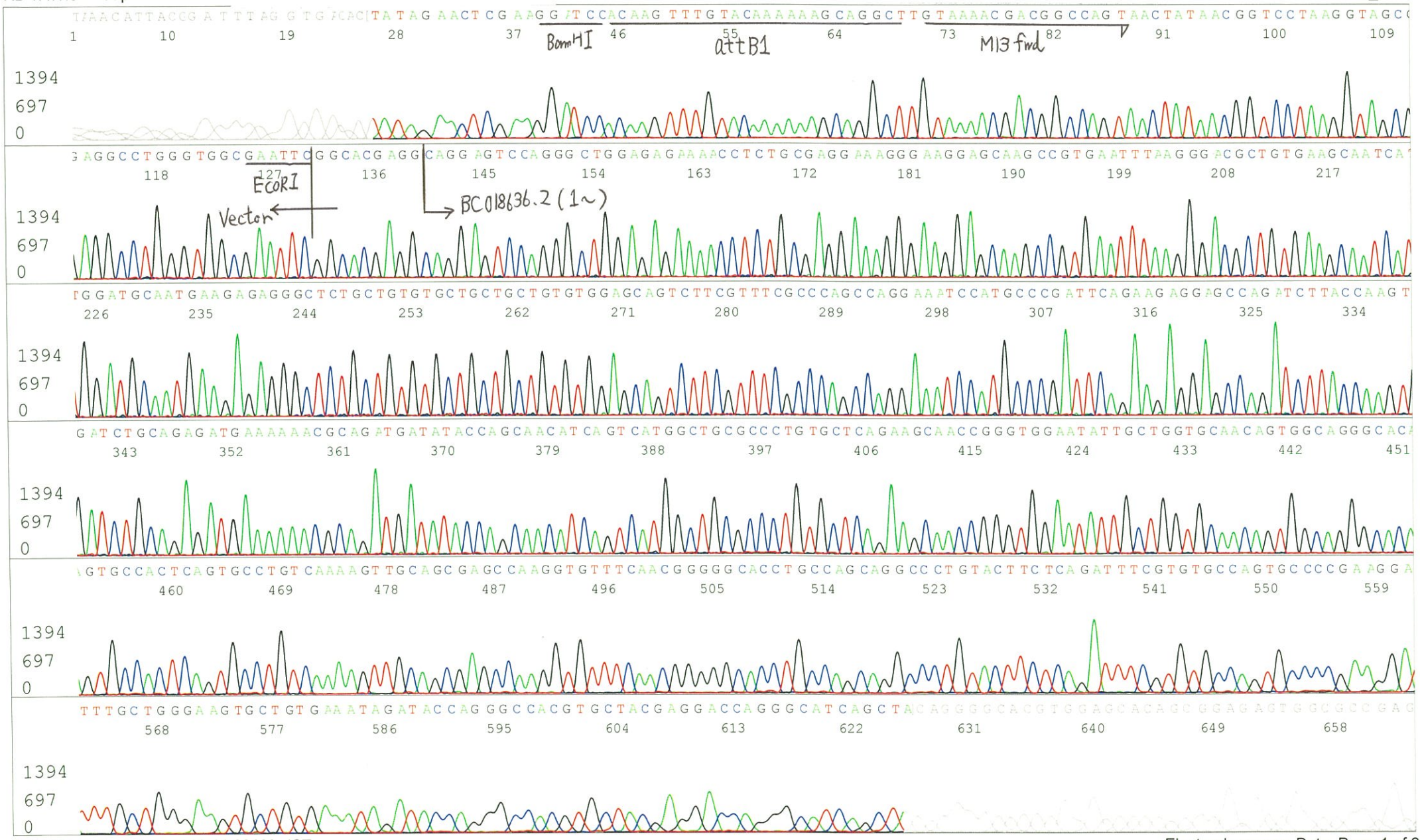
Primer A: pOTB7-F

5' AACGCGGCTACAATTAATACATAACC 3'

IRAL024L19_A8Da_pOTB7_F_C02_03_ABI08
IRAL024L19_A8Da_pOTB7_F
KB_3500_POP7_BDTv3.mob
Pts 1810 to 8655 Pk1 Loc:1778
Version 6.0 HiSQV Bases: 700

Gray line indicates quality value (QV) < 40.

Inst Model/Name 3500/3500 Instrument
Apr 13,2018 10:40AM, JST
Apr 13,2018 10:55AM, JST
Spacing:10.25 Pts/Panel1350
Plate Name: 20180413_GNP



Applied Biosystems

S/N G:33 A:52 T:44 C:50
KB.bcp
KB 1.4.1.8 Cap:4

Primer B: pOTB7-R

5' GTACTGCAGCCGATTCATTAATGC 3'

IRAL024L19_A8Da_pOTB7_R_D02_04_ABI08
IRAL024L19_A8Da_pOTB7_R
KB_3500_POP7_BDTv3.mob
Pts 1809 to 8703 Pk1 Loc:1777
Version 6.0 HiSQV Bases: 653

Gray line indicates quality value (QV) < 40.

Inst Model/Name 3500/3500 Instrument
Apr 13,2018 10:40AM, JST
Apr 13,2018 10:55AM, JST
Spacing:10.26 Pts/Panel1350
Plate Name: 20180413_GNP

