

RIKEN Clone ID : IRAL007J21

Vector : pOTB7

Gene	SLC1A5	
Accession No.	BC000062.2	2406 bp
	CDS	1626 bp

● Plasmid DNA purification

Date : 190729

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

Date : 190730

Purification : QIAGEN Miniprep kit -> dH₂O 100 ul

● Digestion by restriction enzyme/Concentration calibration

Date : 190730

DNA concentration (O.D.): 300 ng/ul

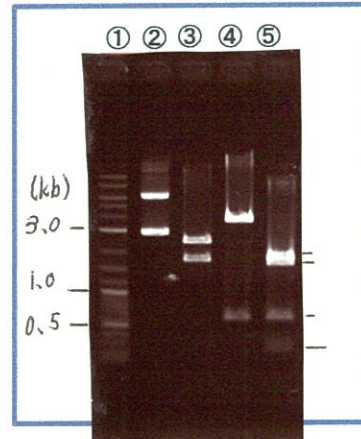
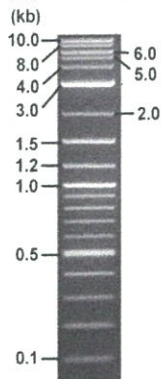
< Size of fragment expected from this clone >

DNA	<u>0.4</u> ul
Enzyme (BamHI + BglII)	0.5 + 0.5 ul
Buffer H	1 ul
dH ₂ O	<u>7.6</u> ul
Total	10 ul

BamHI	2.5, 1.8 kb
BglII	3.7, 0.6 kb
BamHI + BglII	1.6kb (Vector) 1.8, 0.6, 0.3 kb

Electrophoresis : 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 : 190805

DNA (<u>300</u> ng/ul)	<u>83.0</u> ul
10x TE	<u>99.6</u> ul
dH ₂ O	<u>813.4</u> ul
Total	<u>996.0</u> ul

● Confirmation of the insertion sequence

Date : 190731

Primer A	pOTB7_F
Primer B	pOTB7_R
Primer C	-
List of Sequencing Primers	http://dna.brc.riken.jp/en/GNPclone3en.html

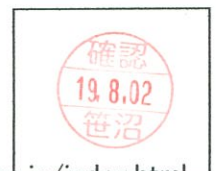
● Shipping

Conc. : 25 ng/ul, Volume : 40 ul

Conc. : ng/ul, Volume : ul

APPROVED BY :

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



S/N G:17 A:12 T:12 C:27

Primer A: pOTB7-F

7566_IRAL007J21_A9Gp_pOTB7_F

Jul 31, 2019 01:39PM, JST

KB.bcp

KB_3500_POP7_BDTV3.mob

Gray line indicates quality value

Jul 31, 2019 01:54PM, JST

KB 1.4.1.8 Cap:5

5' AACGCGGCTACAATTAATACATAACC 3'

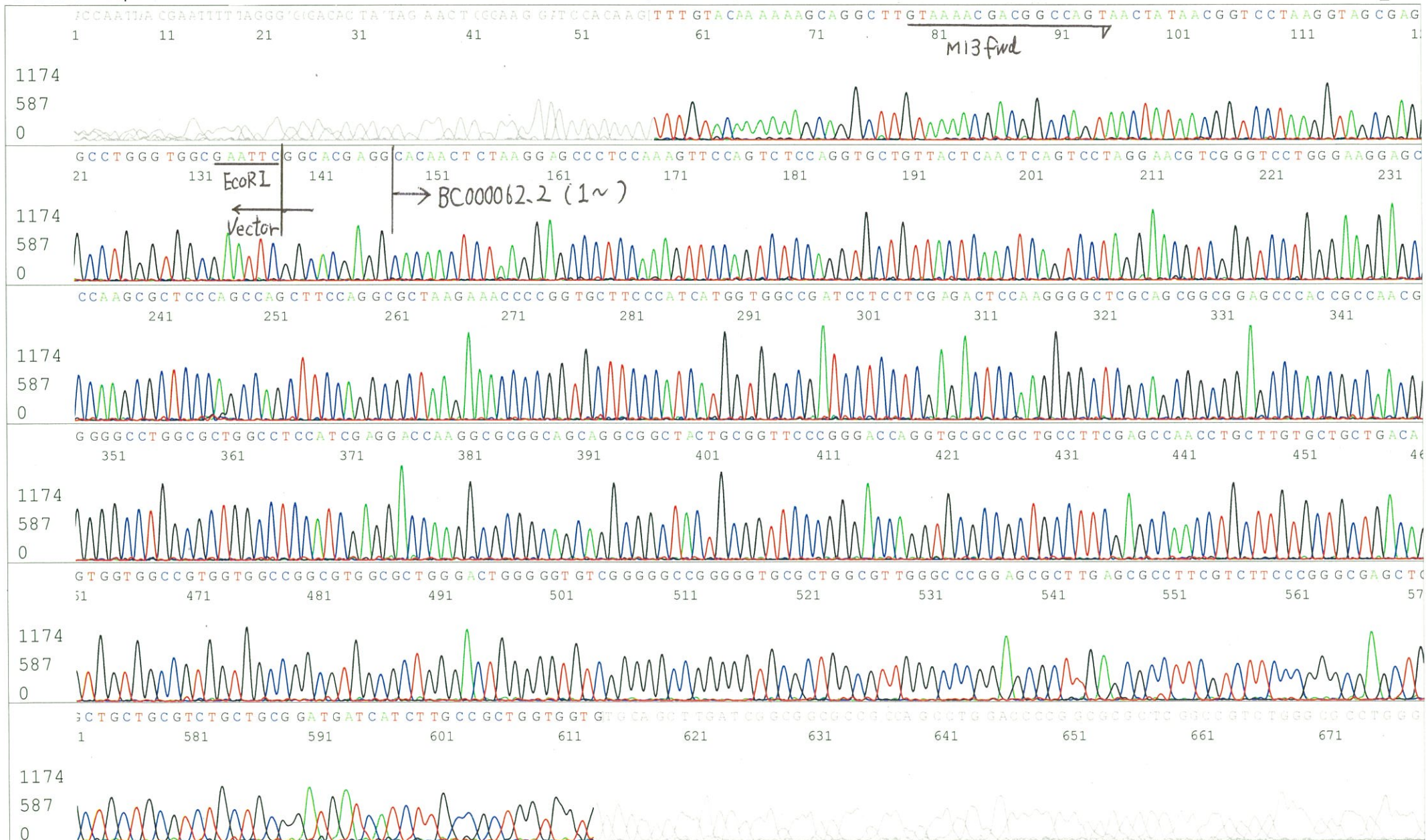
Pts 1667 to 8533 Pk1 Loc:1635

(QV) < 40.

Spacing:10.31 Pts/Panel1350

Version 6.0 HiSQV Bases: 693

Plate Name: 20190731_GNP



S/N G:18 A:17 T:15 C:23
KB.bcp
KB 1.4.1.8 Cap:6

Primer B: pOTB7-R
5' GTACTGCAGCCGATTCATTAATGC 3'

7566_IRAL007J21_A9Gp_pOTB7_R_F01_06_ABI08
7566_IRAL007J21_A9Gp_pOTB7_R
KB_3500_POP7_BDTv3.mob
Pts 1668 to 8509 Pk1 Loc:1636
Version 6.0 HiSQV Bases: 704

Gray line indicates quality value
(QV) < 40.

Inst Model/Name 3500/3500 Instrument
Jul 31,2019 01:39PM, JST
Jul 31,2019 01:54PM, JST
Spacing:10.42 Pts/Panel1350
Plate Name: 20190731_GNP

