

6/9 (5)

**RIKEN Clone ID : IRAK033M22**

Vector : pBluescriptR

Gene	PIWIL2	
Accession No.	BC025995.1	3610 bp
	CDS	2922 bp

● Plasmid DNA purification

Date : 20.06.09

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

Date : 20.06.10

Purification : QIAGEN Miniprep kit -> dH<sub>2</sub>O 100 ul

● Digestion by restriction enzyme/Concentration calibration

Date : 20.06.10

DNA concentration (O.D.): 370 ng/ul

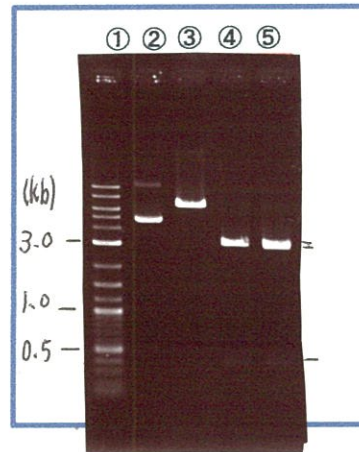
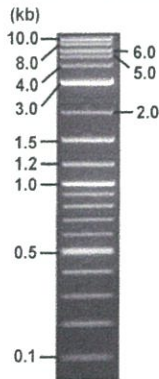
< Size of fragment expected from this clone >

DNA	<u>0.3</u> ul
Enzyme (EcoRI + BamHI )	0.5 + 0.5 ul
Buffer H	1 ul
dH <sub>2</sub> O	<u>7.7</u> ul
Total	10 ul

EcoRI	6.5 kb
BamHI	3.2, 2.9, 0.4 kb
EcoRI + BamHI	2.8kb (Vector)      3.2, 0.4, 0.1 kb

Erectrophoresis : 1% agarose gel, 1x TAE Buffer

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



- ①:Marker
- ②:uncut
- ③:EcoRI
- ④:BamHI
- ⑤:EcoRI + BamHI

● Adjust plasmid DNA solution to 25 ng/ul

Date : 20.07.01

DNA ( <u>370</u> ng/ul)	<u>86.0</u> ul
10x TE	<u>127.2</u> ul
dH <sub>2</sub> O	<u>1059.6</u> ul
Total	<u>1272.8</u> ul

● Confirmation of the insertion sequence

Date : 20.06.11

Primer A	T7
Primer B	Reverse2
Primer C	-
List of Sequencing Primers	<a href="http://dna.brc.riken.jp/en/GNPclone3en.html">http://dna.brc.riken.jp/en/GNPclone3en.html</a>

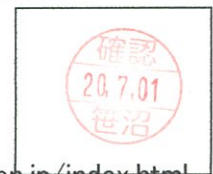
● Shipping

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

Conc. :      ng/ul, Volume :      ul

APPROVED BY :

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



S/N G:42 A:45 T:30 C:56

Primer A : T7

7566\_IRAK033M22\_B0D6\_T7

Jun 11,2020 02:11PM, JST

KB.bcp

KB\_3500\_POP7\_BDTv3.mob

Gray line indicates quality value

Jun 11,2020 02:32PM, JST

KB 1.4.1.8 Cap:13

5' TAATACGACTCACTATAGGG 3'

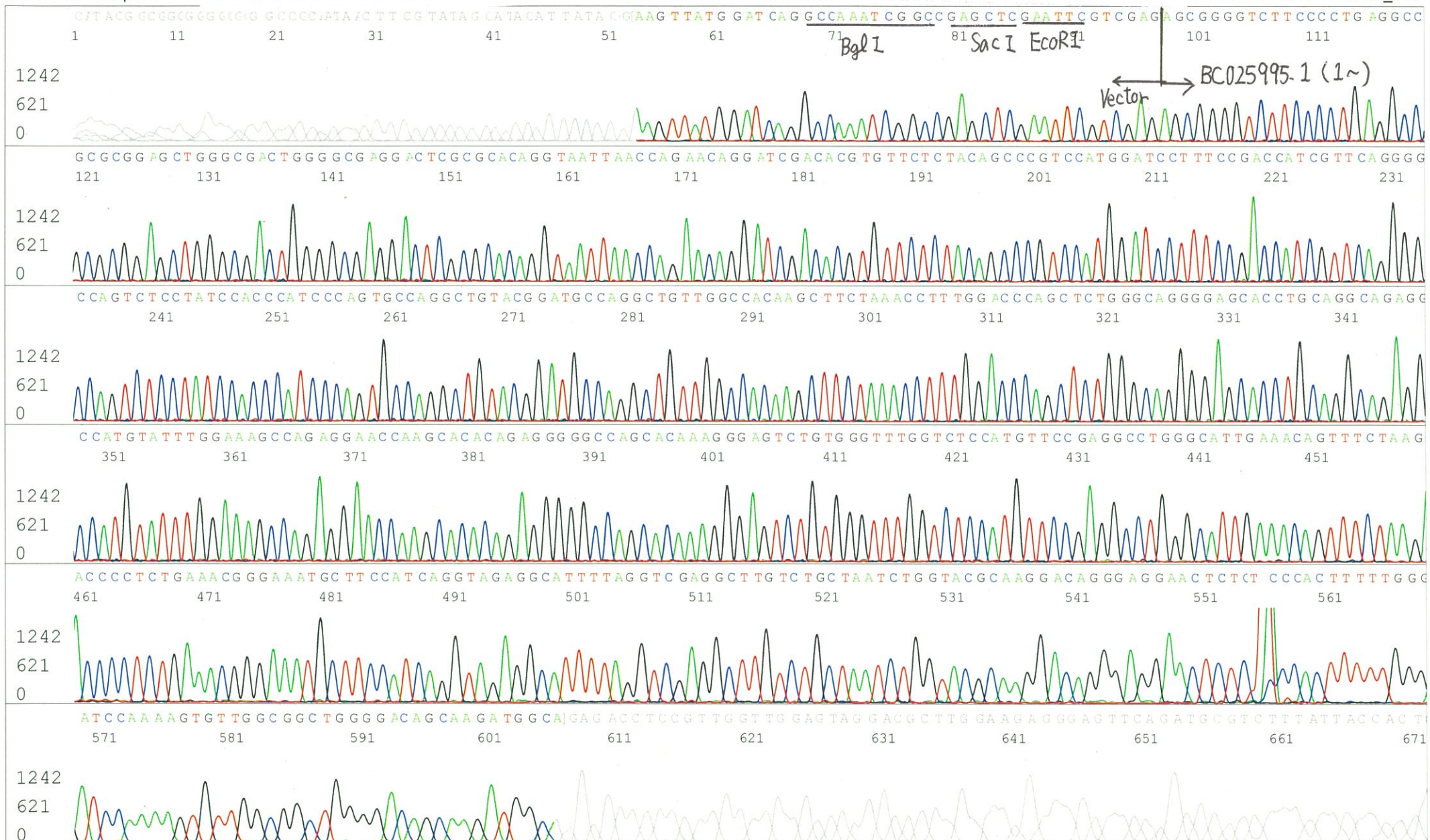
Pts 1677 to 8385 Pk1 Loc:1645

(QV) < 40.

Spacing:10.3 Pts/Panel1350

Version 6.0 HiSQV Bases: 654

Plate Name: 20200611\_GNP



S/N G:77 A:70 T:67 C:101

Primer B : Reverse2

7566\_IRAK033M22\_B0D6\_Reverse2

KB\_3500\_POP7\_BDTv3.mob

Gray line indicates quality value

Jun 11,2020 02:11PM, JST

KB.bcp

Pts 1652 to 8433 Pk1 Loc:1620

Jun 11,2020 02:32PM, JST

KB 1.4.1.8 Cap:16

5' GCGGATAACAATTTTCACACAGG 3'

Version 6.0 HiSQV Bases: 648

(QV) < 40.

Spacing:10.3 Pts/Panel1350

Plate Name: 20200611\_GNP

