

RIKEN Clone ID : IRAK049N01

Lot#: 7893_B1Bg

Vector : pCMV-SPORT6

Gene	CD2	
Accession No.	BC033583.1	1579 bp
	CDS	1056 bp

● Plasmid DNA purification

Date : 21.02.17

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

Date : 21.02.18

Purification : QIAGEN Miniprep kit -> dH₂O 100 ul

● Digestion by restriction enzyme/Concentration calibration

Date : 21.02.18

DNA concentration (O.D.): 406 ng/ul

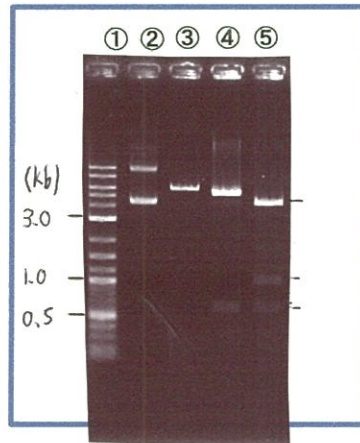
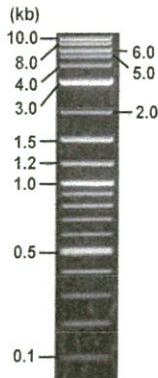
< Size of fragment expected from this clone >

DNA	<u>0.2</u> ul
Enzyme (EcoRI + XhoI)	<u>0.5 + 0.5</u> ul
Buffer H	<u>1</u> ul
dH ₂ O	<u>7.8</u> ul
Total	<u>10</u> ul

EcoRI	<u>5.9</u> kb
XhoI	<u>5.3, 0.6</u> kb
EcoRI + XhoI	<u>4.3kb (Vector) 1.0, 0.6</u> kb

Electrophoresis : 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 : 21,02,25

DNA (<u>406</u> ng/ul)	<u>90.0</u> ul
10x TE	<u>146.1</u> ul
dH ₂ O	<u>1225.5</u> ul
Total	<u>1461.6</u> ul

● Confirmation of the insertion sequence

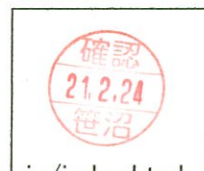
Date : 21,02,24

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/ul, Volume : 40 ul

~~Conc. : ng/ul, Volume : ul~~



APPROVED BY :

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

S/N G:53 A:86 T:47 C:50

Primer A : Reverse2

7893_IRAK049N01_B1Bg_Reverse2

Feb 19,2021 09:50AM, JST

KB.bcp

KB_3500_POP7_BDTv3.mob

Gray line indicates quality value

Feb 19,2021 10:06AM, JST

KB 1.4.1.8 Cap:10

5' GCGGATAACAATTTTCACACAGG 3'

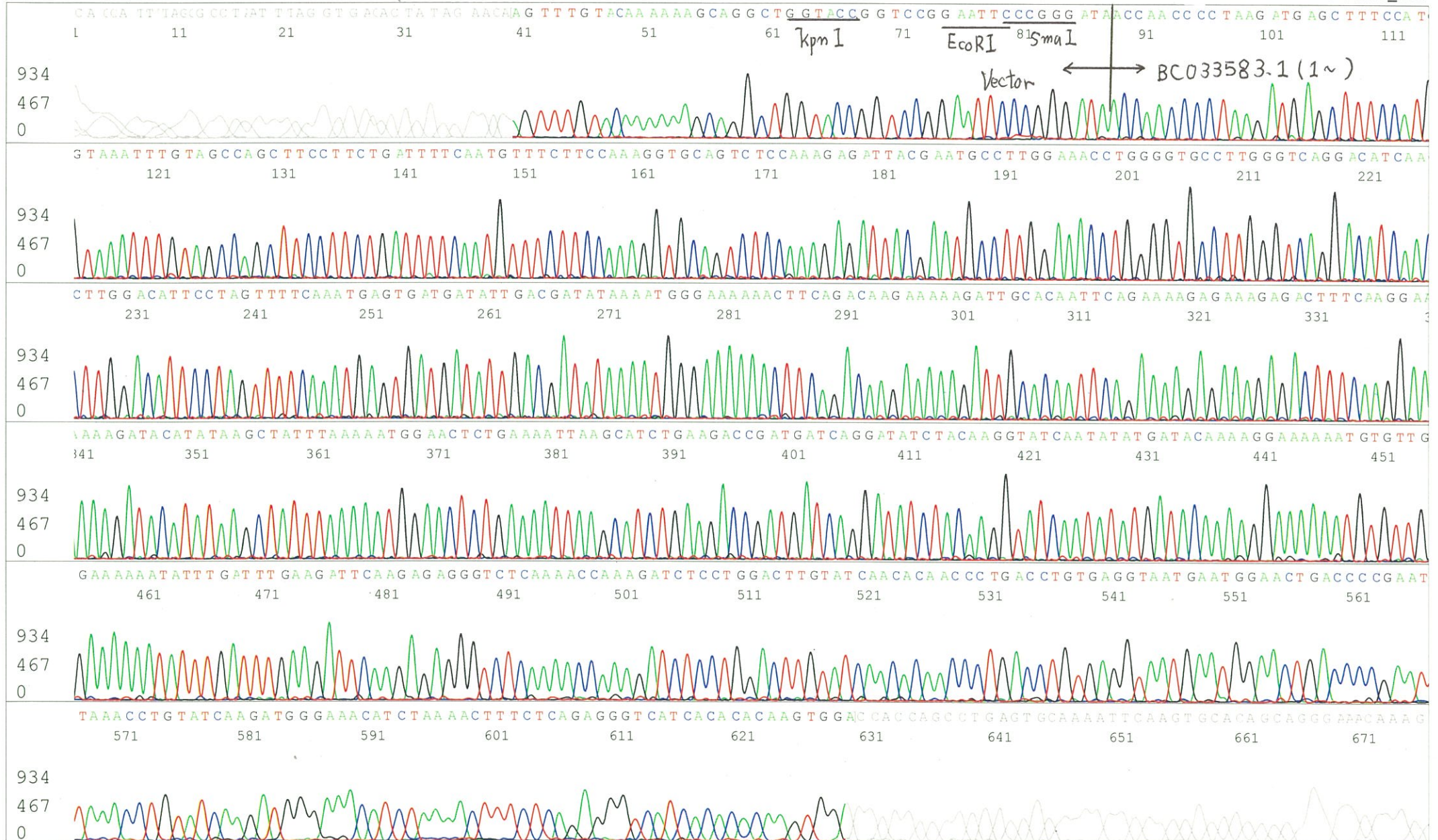
Pts 1868 to 8706 Pk1 Loc:1836

(QV) < 40.

Spacing:10.88 Pts/Panel1350

Version 6.0 HiSQV Bases: 662

Plate Name: 20210219_GNP



S/N G:42 A:57 T:62 C:45

7893_IRAK049N01_B1Bg_M13(-40)

Feb 19,2021 09:50AM, JST

KB.bcp

KB_3500_POP7_BDTV3.mob

Gray line indicates quality value

Feb 19,2021 10:06AM, JST

KB 1.4.1.8 Cap:13

Primer B : M13

Pts 1864 to 8706 Pk1 Loc:1832

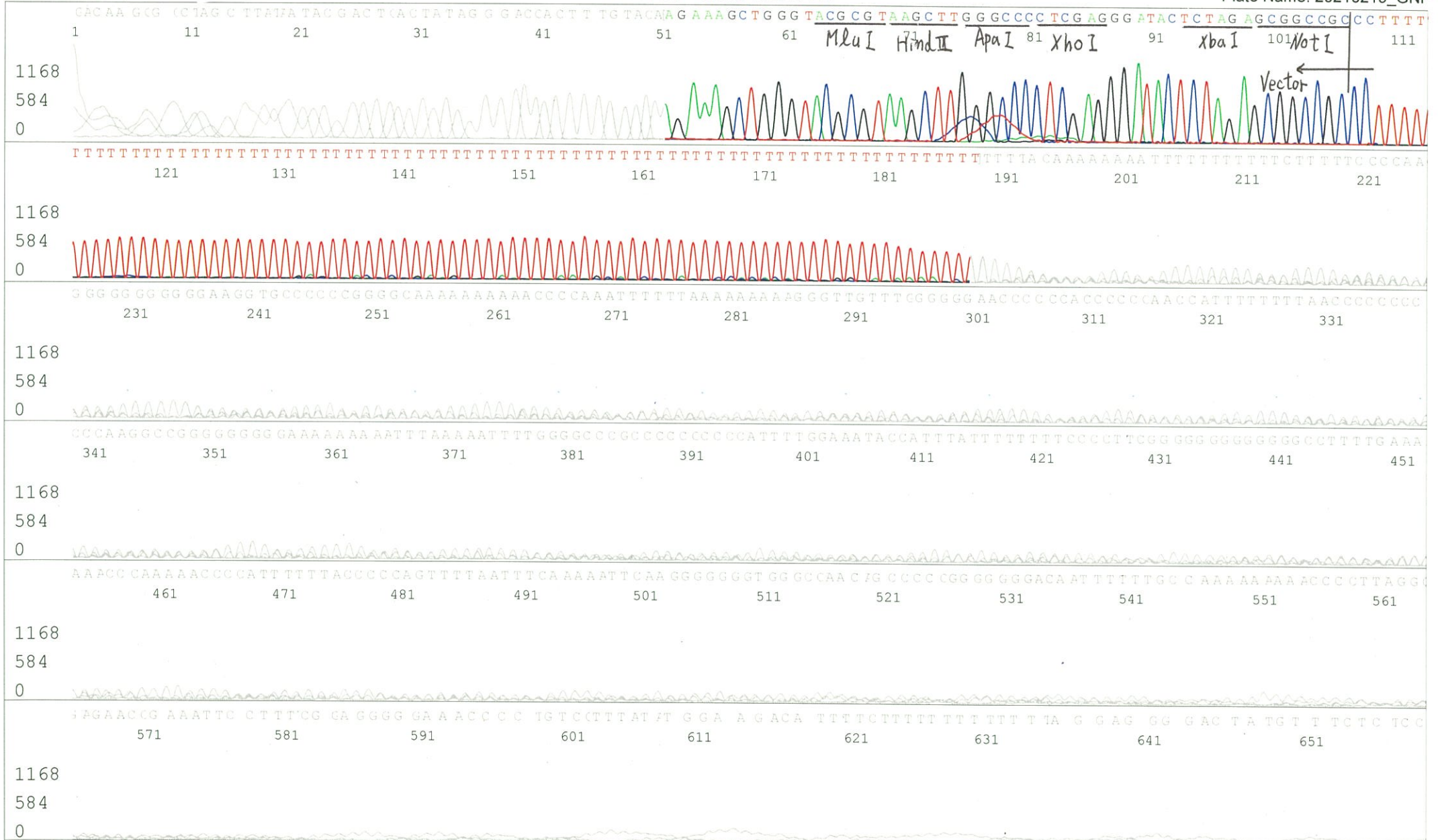
(QV) < 40.

Spacing:11.04 Pts/Panel1350

5' GTTTTCCAGTCACGACGTTGTA 3'

Version 6.0 HiSQV Bases: 172

Plate Name: 20210219_GNP



S/N G:22 A:24 T:16 C:20
 KB.bcp
 KB 1.4.1.8 Cap:16

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

7893_IRAK049N01_B1Bg_GNP Mixture
 KB_3500_POP7_BDTv3.mob
 Pts 1871 to 8706 Pk1 Loc:1839
 Version 6.0 HiSQV Bases: 577

Gray line indicates quality value
 (QV) < 40.

Feb 19,2021 09:50AM, JST
 Feb 19,2021 10:06AM, JST
 Spacing:10.93 Pts/Panel1350
 Plate Name: 20210219_GNP

