

**RIKEN Clone ID : IRAK003H18**

Vector : pCMV-SPORT6

Gene	ARL6IP2	
Accession No.	BC039050.1	2134 bp
	CDS	- bp

● **Plasmid DNA purification**

Date : 20.10.22

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

Date : 20.10.23

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

● **Digestion by restriction enzyme/Concentration calibration**

Date : 20.10.23

DNA concentration (O.D.): 290 ng/ul

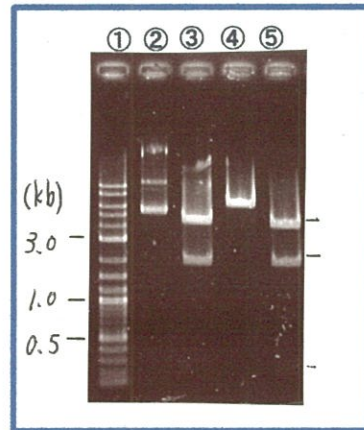
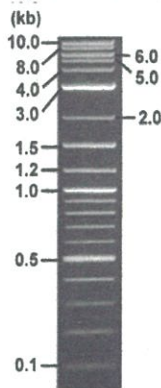
< Size of fragment expected from this clone >

DNA	0.35 ul
Enzyme (EcoRI + XhoI)	0.5 + 0.5 ul
Buffer H	1 ul
dH <sub>2</sub> O	7.65 ul
<b>Total</b>	<b>10 ul</b>

EcoRI	4.5 , 2.0 kb
XhoI	6.5 kb
EcoRI + XhoI	4.3kb (Vector)      2.0, 0.2 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 : 21.06.02

DNA ( <u>290</u> ng/ul)	<u>83.0</u> ul
10x TE	<u>96.2</u> ul
dH <sub>2</sub> O	<u>783.6</u> ul
<b>Total</b>	<b><u>962.8</u> ul</b>

● **Confirmation of the insertion sequence**

Date : 20.11.9

Primer A	Reverse2
Primer B	M13
Primer C	poly(A) region primer #0
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:285 A:447 T:250 C:241

Primer A : Reverse2

7893\_IRAK003H18\_B0Jj\_11\_Reverse2

KB\_3500\_POP7\_BDTv3.mob

Oct 27, 2020 04:00PM, JST

KB.bcp

5' GCGGATAACAATTTTCACACAGG 3'

Pts 1768 to 8707 Pk1 Loc:1736

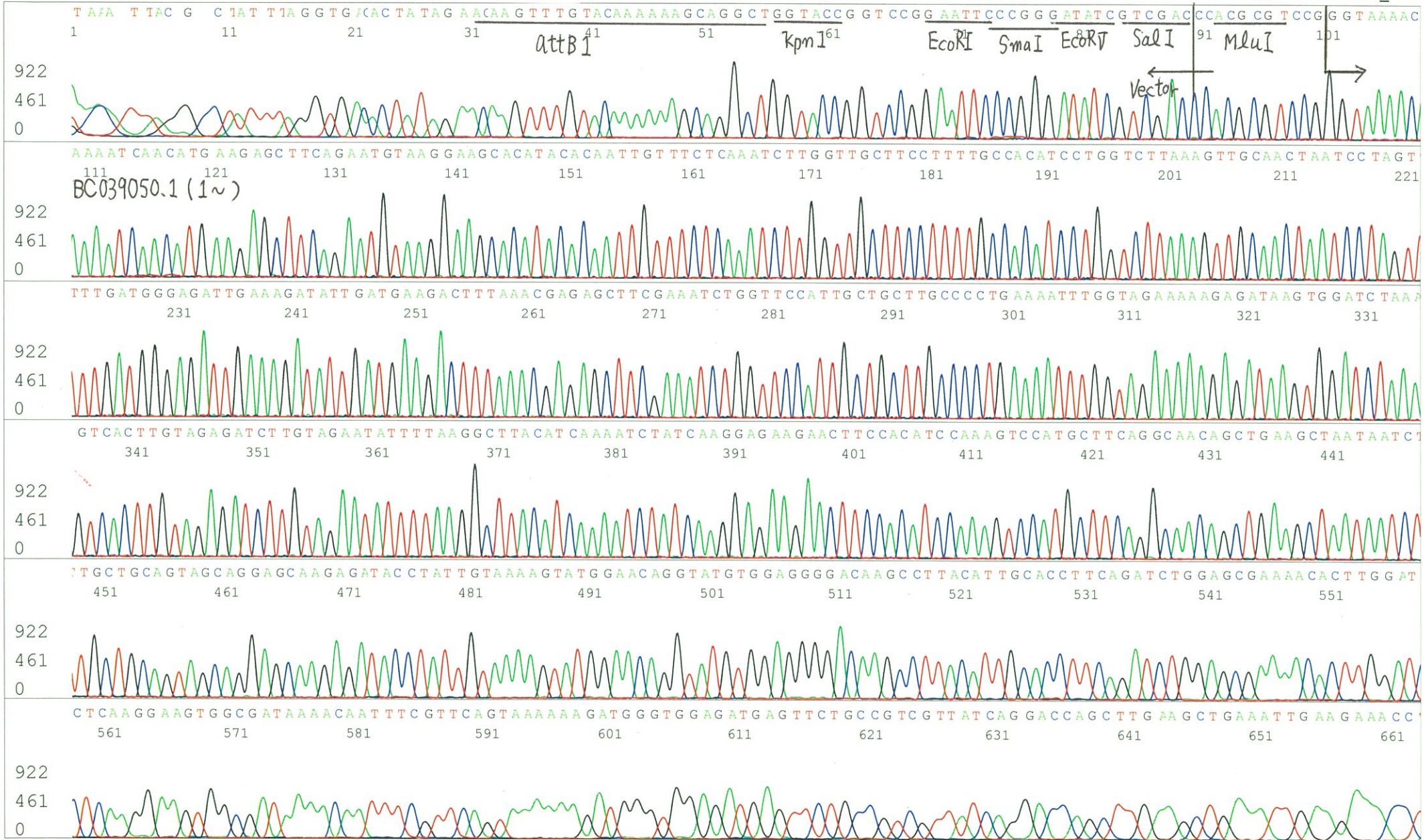
Oct 27, 2020 04:29PM, JST

KB 1.4.1.8 Cap:2

Version 6.0 HiSQV Bases: 679

Spacing:10.5 Pts/Panel1350

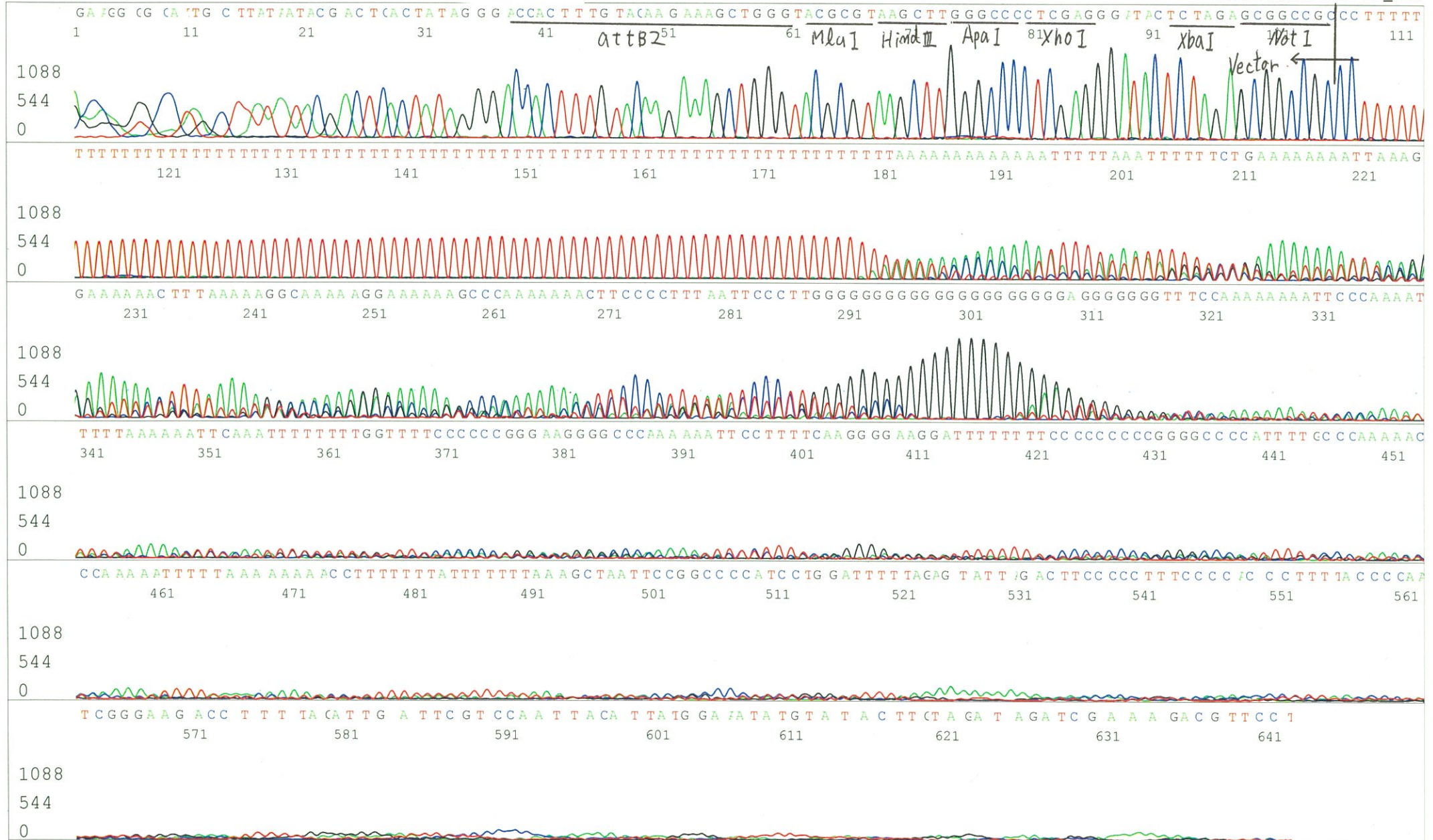
Plate Name: 20201027\_GNP



S/N G:40 A:52 T:47 C:34  
KB.bcp  
KB 1.4.1.8 Cap:5

Primer B : M13

5' GTTTTCCCAGTCACGACGTTGTA 3'



S/N G:23 A:31 T:21 C:20  
KB.bcp  
KB 1.4.1.8 Cap:2

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

7893\_IRAK003H18\_B0Jj\_11\_GNPmixture  
KB\_3500\_POP7\_BDTv3.mob  
Pts 1811 to 8702 Pk1 Loc:1779  
Version 6.0 HiSQV Bases: 676

Gray line indicates quality value  
(QV) < 40.

Oct 28,2020 02:09PM, JST  
Oct 28,2020 02:39PM, JST  
Spacing:10.24 Pts/Panel1350  
Plate Name: 20201028\_GNP

