

**RIKEN Clone ID : IRAL002J19**

Lot#: 7566\_A7Ce

Vector : pOTB7

Gene	SIRT3	
Accession No.	BC001042.2	1798 bp
	<i>CDS</i>	1200 bp

● Plasmid DNA purification

Date : 170314

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

Date : 170315

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

● Digestion by restriction enzyme/Concentration calibration

Date : 170315

DNA concentration (O.D.): 161 ng/ul

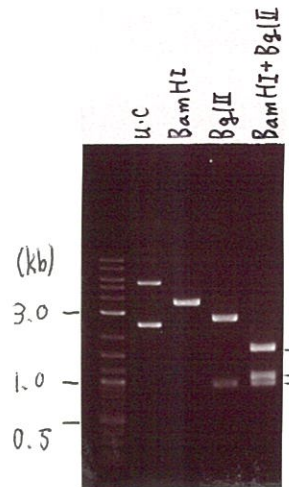
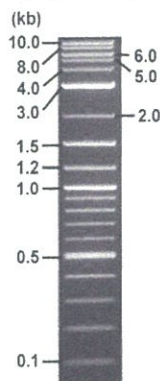
< Size of fragment expected from this clone >

DNA	0.6	ul
Enzyme (BamHI + BglII )	0.5 + 0.5	ul
Buffer H	1	ul
dH <sub>2</sub> O	7.4	ul
Total	10	ul

BamHI	3.5	kb	
BglII	2.6, 0.94	kb	
BamHI + BglII	1.6kb (Vector)	1.0, 0.94	kb

Erectrophoresis : 1% agarose gel, 1x TAE Buffer

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



● Adjust plasmid DNA solution to 25 ng/ul

Date : 170322

● Confirmation of the insertion sequence

Date : 170321

DNA ( <u>161</u> ng/ul)	<u>85.0</u>	ul
10x TE	<u>54.7</u>	ul
dH <sub>2</sub> O	<u>407.7</u>	ul
Total	<u>547.4</u>	ul

Primer A	pOTB7_F
Primer B	pOTB7_R
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

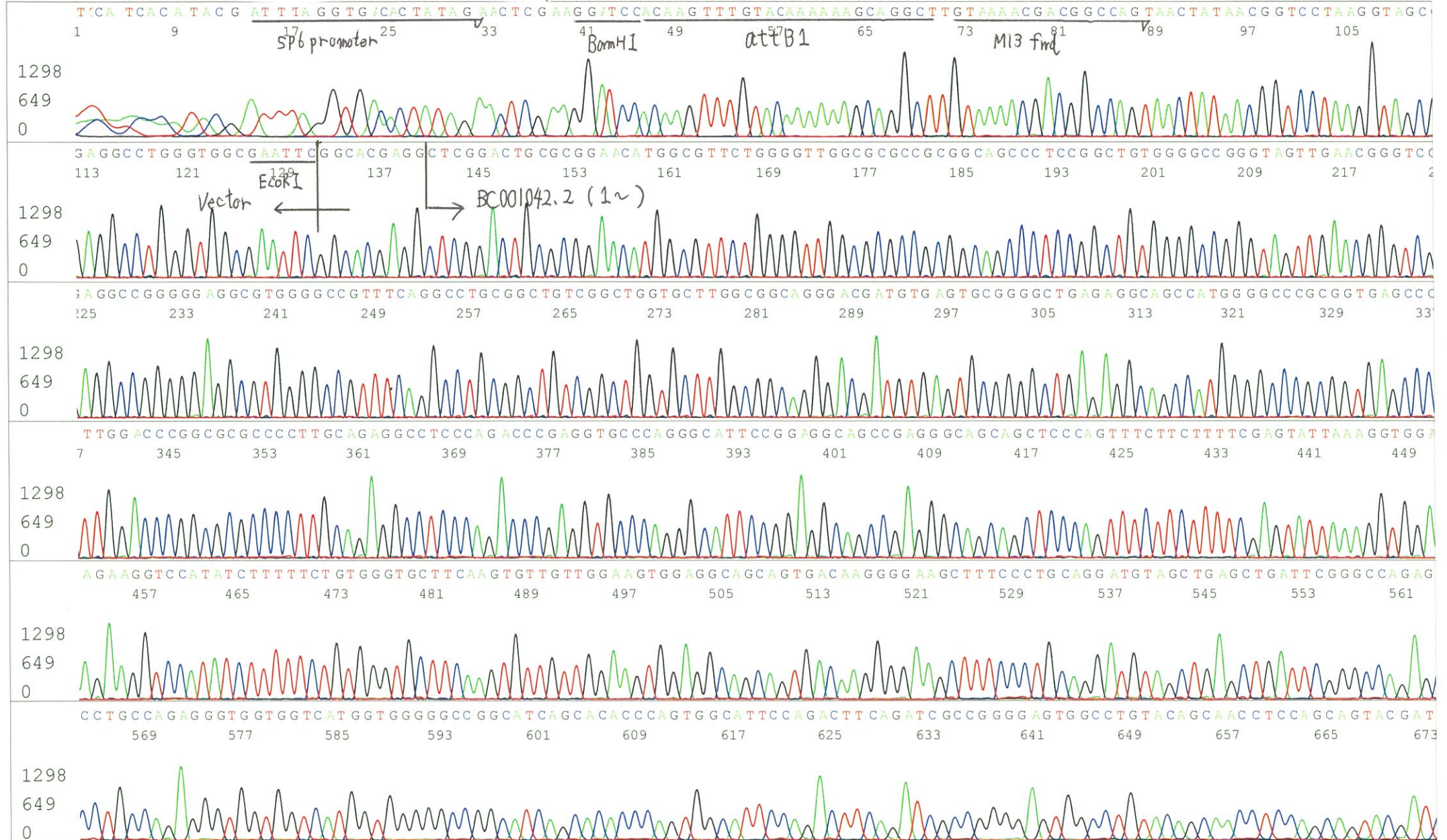
Conc. : 25 ng/μl, Volume : 40 μl  
 Conc. : ng/μl, Volume : μl

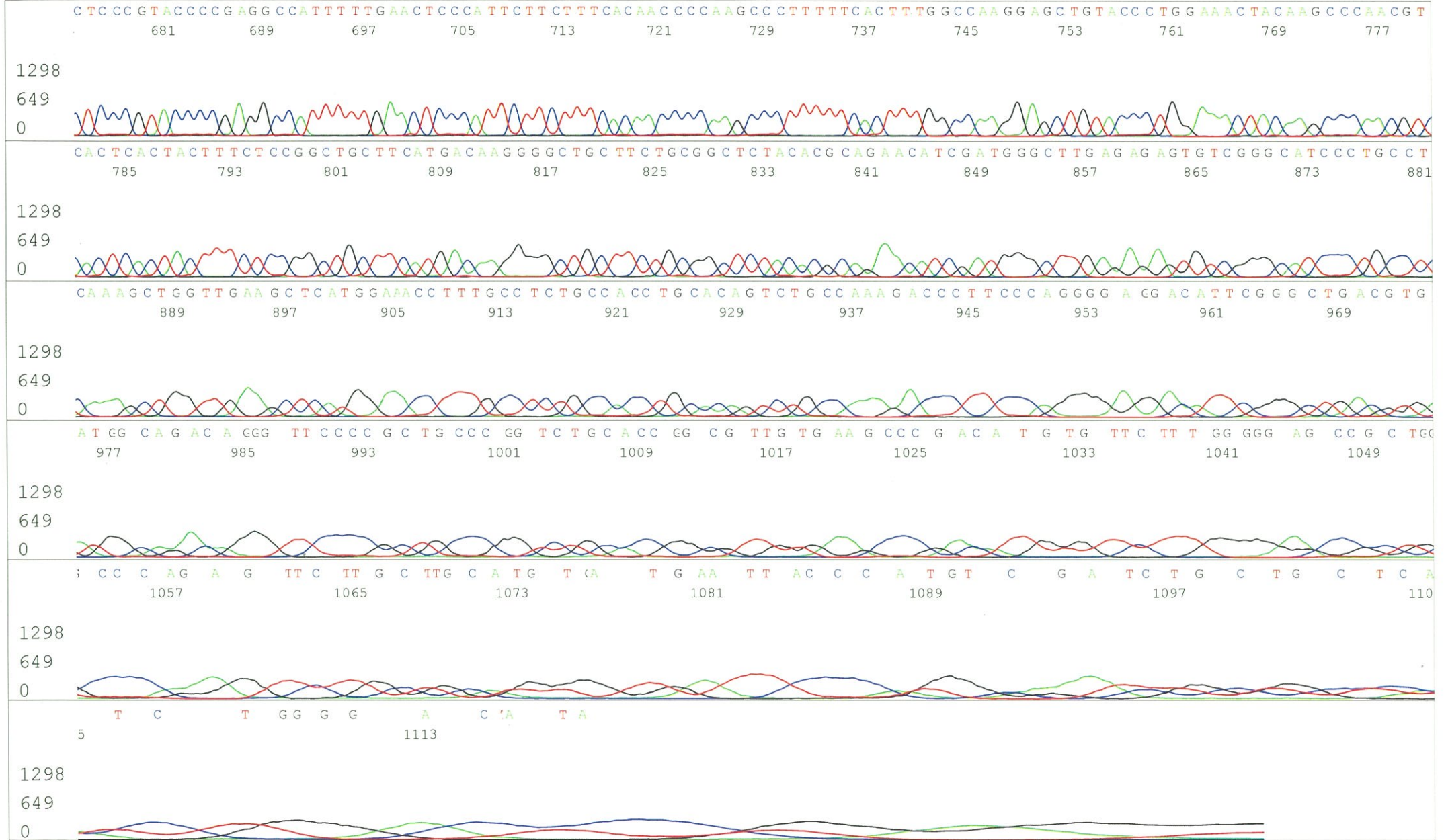
APPROVED BY :

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



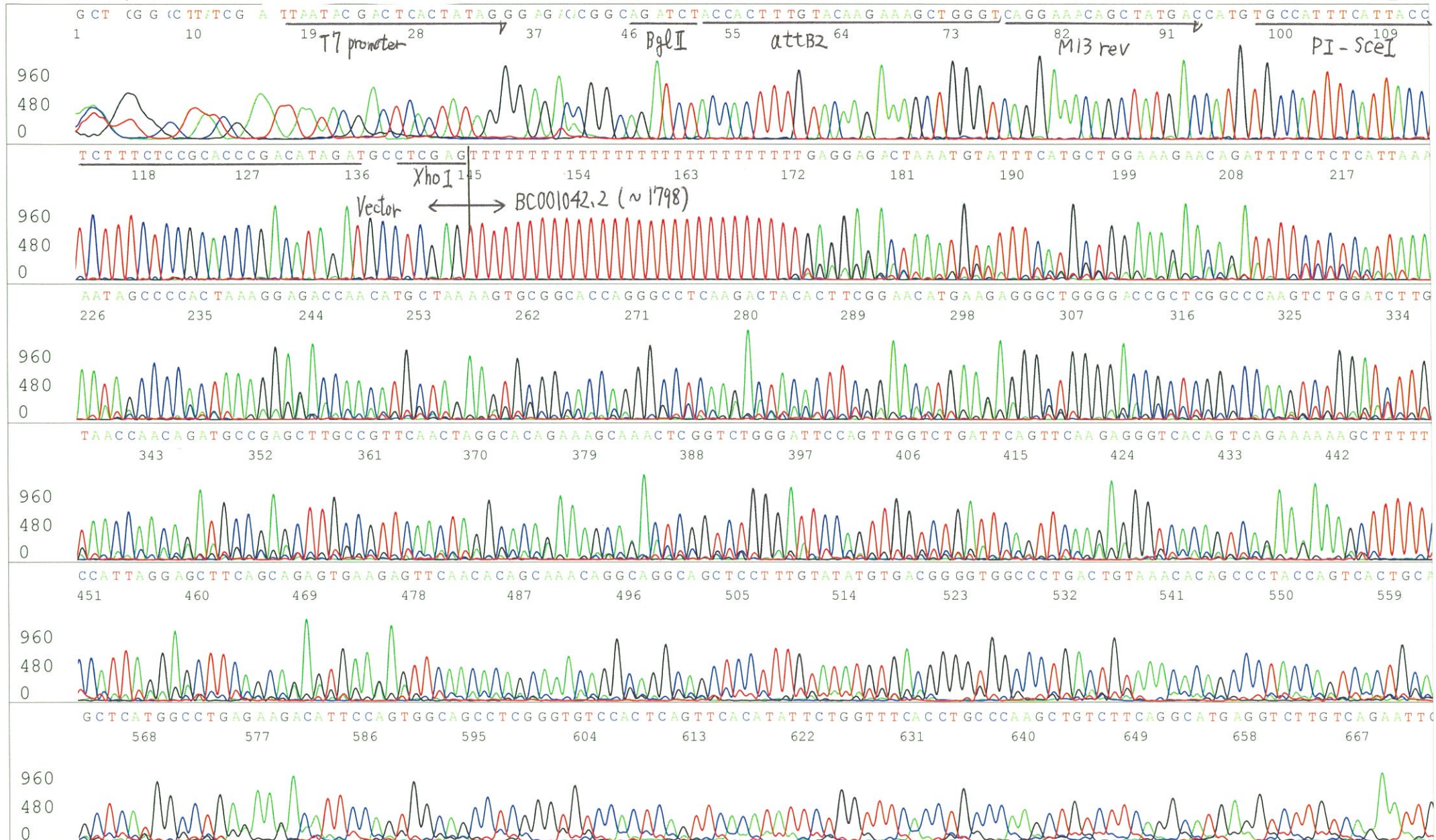
S/N G:404 A:459 T:391 C:53! Primer A: pOTB7-F  
KB.bcp  
KB 1.4.1.8 Cap:19 5' AACGCGGCTACAATTAATACATAACC 3'





S/N G:117 A:183 T:201 C:224  
KB.bcp  
KB 1.4.1.8 Cap:22

Primer B: pOTB7-R  
5' GTACTGCAGCCGATTCATTAATGC 3'



S/N G:117 A:183 T:201 C:224  
KB.bcp  
KB 1.4.1.8 Cap:22

