

RIKEN Clone ID : IRAL005I12

Lot#: 7566_B2Ig

Vector : pOTB7

Gene	NIF3L1	
Accession No.	BC007654.2	1431 bp
	CDS	1134 bp

● Plasmid DNA purification

Date : 2022.09.20

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

Date : 2022.09.21

Purification : QIAGEN Miniprep kit -> dH₂O 100 ul

● Digestion by restriction enzyme/Concentration calibration

Date : 2022.09.21

DNA concentration (O.D.): 392 ng/ul

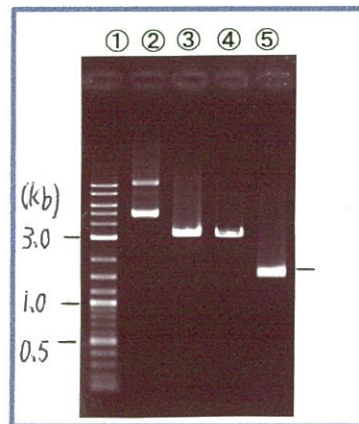
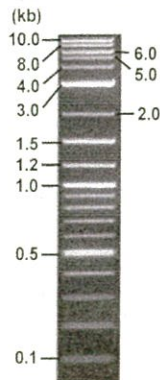
< Size of fragment expected from this clone >

DNA	0.25	ul
Enzyme (BamHI + BglIII)	0.5 + 0.5	ul
Buffer H	1	ul
dH ₂ O	7.75	ul
Total	10	ul

BamHI	3.2	kb
BglIII	3.2	kb
BamHI + BglIII	1.6kb (Vector)	1.6 kb

Electrophoresis : 1% agarose gel, 1x TAE Buffer

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



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

● Adjust plasmid DNA solution to 25 ng/ul

Date : 2022.09.22

● Confirmation of the insertion sequence

Date : 2022.09.22

DNA (<u>392</u> ng/ul)	<u>84.0</u>	ul
10x TE	<u>131.7</u>	ul
dH ₂ O	<u>1101.4</u>	ul
Total	<u>1317.1</u>	ul

Primer A	pOTB7_F
Primer B	pOTB7_R
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:462 A:713 T:458 C:

Primer A: pOTB7-F

7566_IRAL005112_B2lg_pOTB7_F

Sep 21,2022 03:02PM, JST

KB.bcp

KB_3500_POP7_BDTv3.mob

Gray line indicates quality value

Sep 21,2022 03:29PM, JST

KB 1.4.1.8 Cap:2

5' AACGCGGCTACAATTAATACATAACC 3'

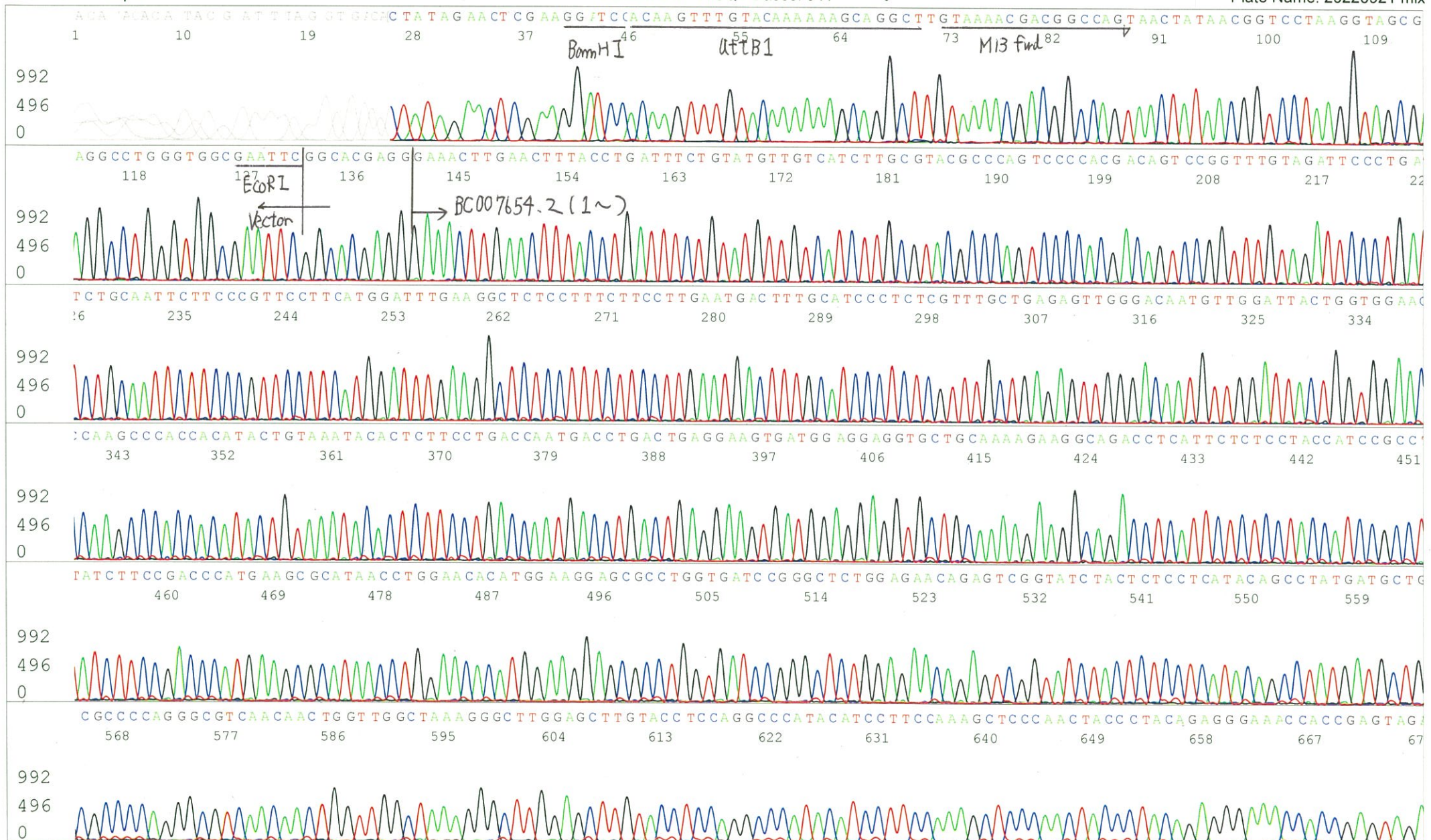
Pts 1375 to 13868 Pk1 Loc:1352

(QV) < 40.

Spacing:12.36 Pts/Panel1350

Version 6.0 HiSQV Bases: 941

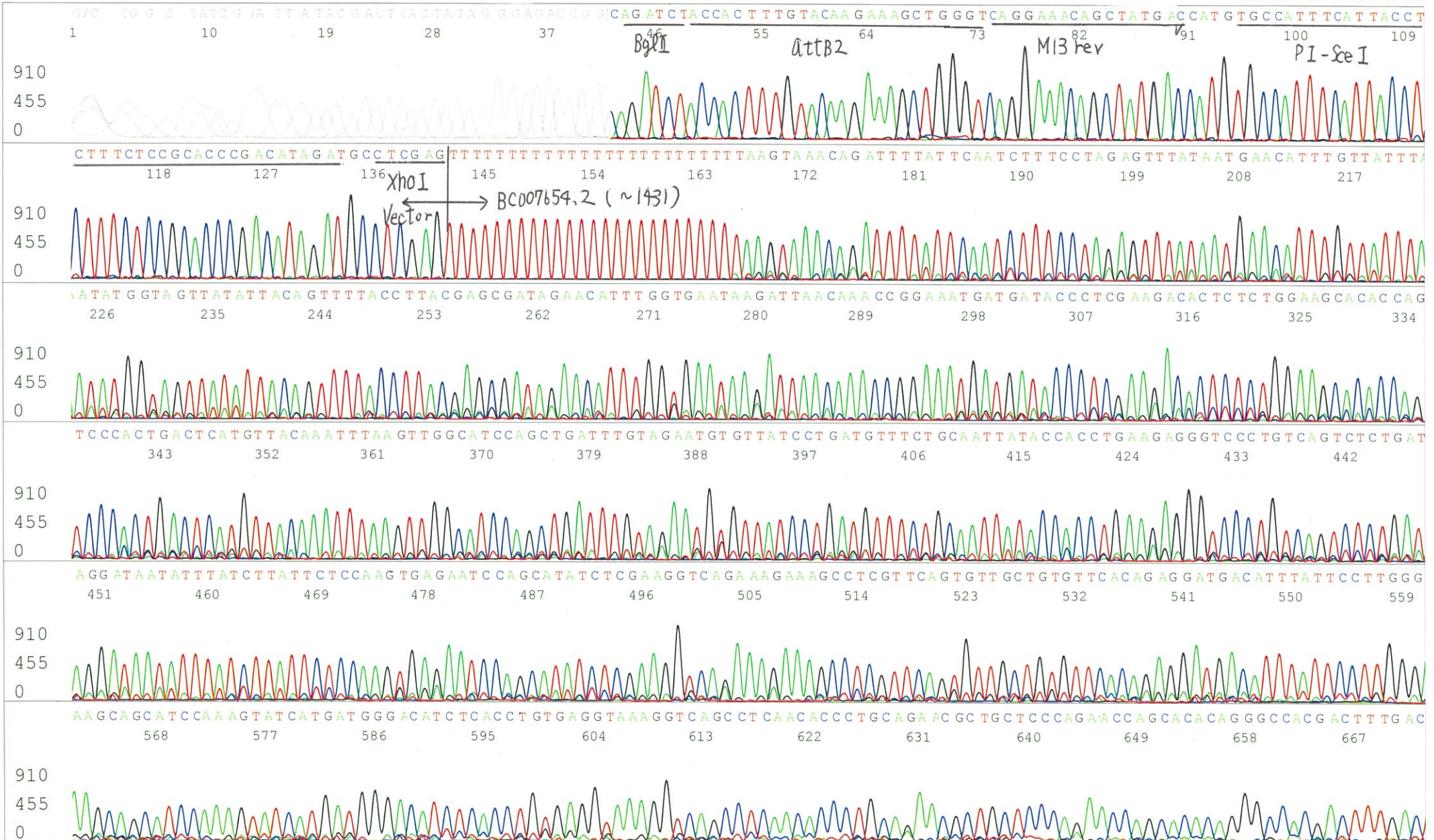
Plate Name: 20220921 mix



S/N G:449 A:924 T:507 C:633
KB.bcp
KB 1.4.1.8 Cap:5

Primer B: pOTB7-R
5' GTACTGCAGCCGATTTCATTAATGC 3'

Gray line indicates quality value
(QV) < 40.



S/N G:98 A:184 T:115 C:13 Primer C : Poly(A) region primer #0

7566_IRAL005I12_B2lg_GNPmixture

Sep 21,2022 03:02PM, JST

KB.bcp

KB_3500_POP7_BDTv3.mob

Gray line indicates quality value

Sep 21,2022 03:29PM, JST

KB 1.4.1.8 Cap:8

5' TTTTTTTTTTTTTTTTTTTTTT VNN 3'

Pts 1372 to 13816 Pk1 Loc:1349

(QV) < 40.

Spacing:12.26 Pts/Panel1350

Version 6.0 HiSQV Bases: 942

Plate Name: 20220921 mix

