Gene Engineering Division
RIKEN BioResource Center

RIKEN Clone ID : IRAL003A23

Vector : pOTB7

Gene	EXO1		
Accession No.	BC007491.2	3238 bp	1..3238
	CDS	2541 bp	531..3071

● Plasmid DNA purification

Date : 130124

Culture : LB (25 ug/ml Chloramphenicol) 10 ml -> at 37 deg C over night

Date : 130129

Purification : QIAGEN Miniprep kit -> dH_2O 100 ul

● Digestion by restriction enzyme/Concentrarion calibration

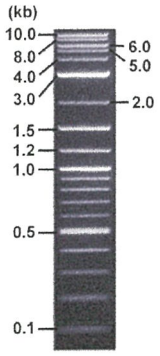
Date : 130129

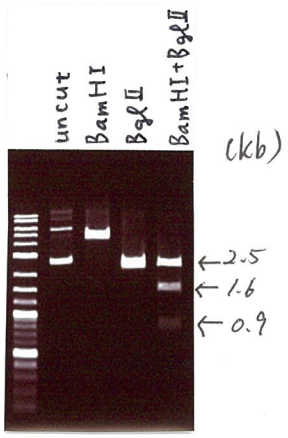
DNA concentration (O.D.): 248 ng/ul

DNA	0.2 ul
Enzyme (BamHI + BglII)	0.5 + 0.5 ul
Buffer H	1 ul
dH_2O	7.8 ul
Total	10 ul

Erectrophoresis : 1% agarose gel, 1x TAE Buffer

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





<Expected size of fragment from BC007491.2 >

2534, 1615, 890 bp

● Confirmation of the insertion sequence

Date : 130201

Primer A	pOTB7_F
Primer B	pOTB7_R
Primer C	-
List of Sequencing Primers	http://dna.brc.riken.jp/en/GNPclone3en.html

● Adjustment of DNA concentration

Shipping amount : 40 ul

Concentration at the time of preparation of plasmid DNA : 25 ng/ul

Date : 130204

DNA (248 ng/ul)	85.0 ul
10x TE	84.3 ul
dH_2O	673.9 ul
Total	843.2 ul

確認
13.2.04
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APPROVED BY :

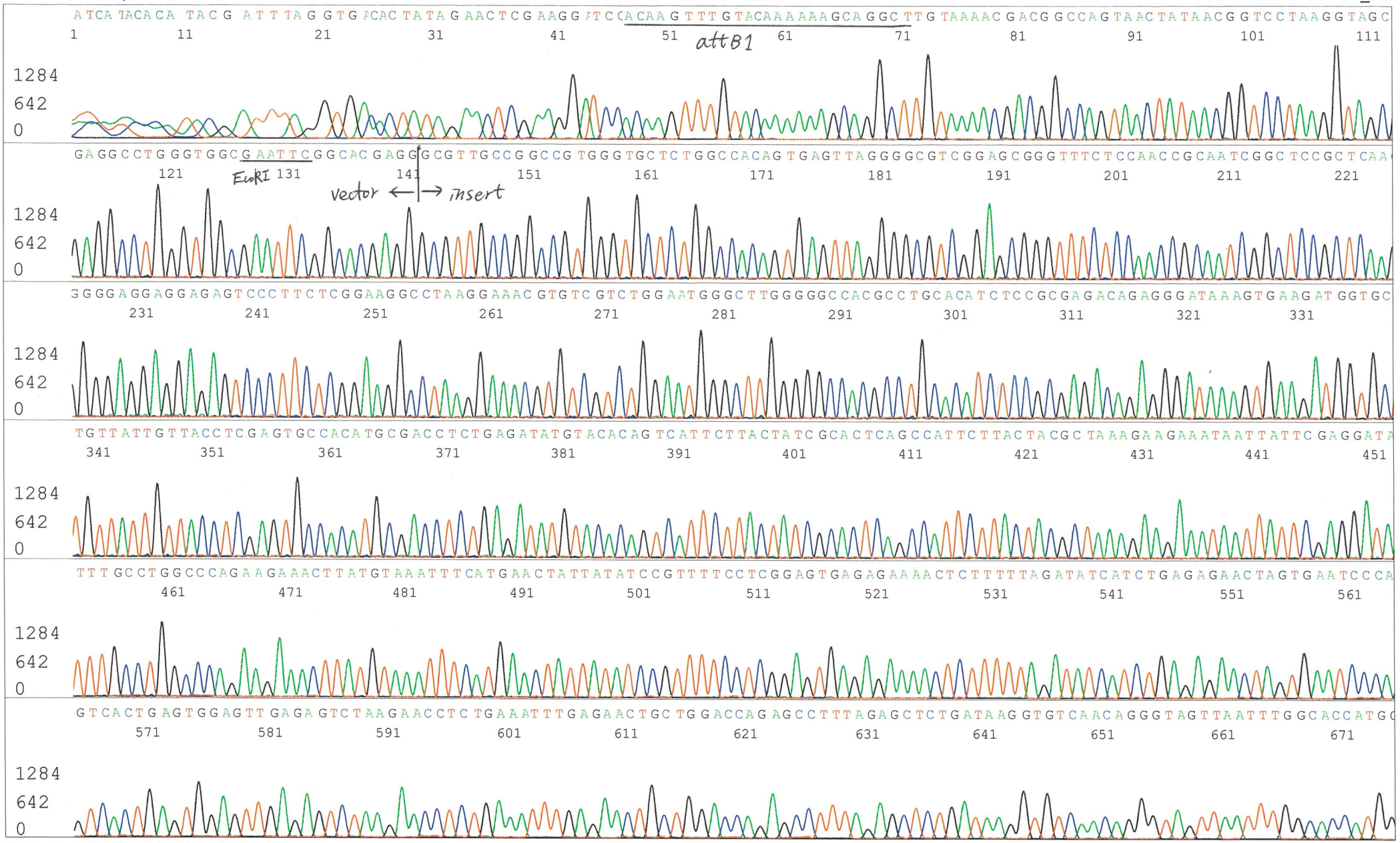
Applied Biosystems

S/N G:504 A:343 T:409 C:343
KB.bcp
KB 1.4.1.8 Cap:7

Primer A: pOTB7-F
5' AACGCGGCTACAATTAATACATAACC 3'

IRAL003A23_pOTB7_F_C10_07
IRAL003A23_pOTB7_F
KB_3500_POP7_BDTv3.mob
Pts 1400 to 14336 Pk1 Loc:1377
Version 5.4 HiSQV Bases: 1054

Inst Model/Name 3500/3500 Instrument
Feb 01,2013 10:51AM, JST
Feb 01,2013 11:18AM, JST
Spacing:12.59 Pts/Panel1350
Plate Name: 20130201_mix



Applied Biosystems

S/N G:135 A:88 T:129 C:97
KB.bcp
KB 1.4.1.8 Cap:10

Primer B: pOTB7-R

5' GTACTGCAGCCGATTCATTAATGC 3'

IRAL003A23_pOTB7_R_D10_10
IRAL003A23_pOTB7_R
KB_3500_POP7_BDTv3.mob
Pts 1390 to 14524 Pk1 Loc:1367
Version 5.4 HiSQV Bases: 996

Inst Model/Name 3500/3500 Instrument
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Feb 01,2013 11:18AM, JST
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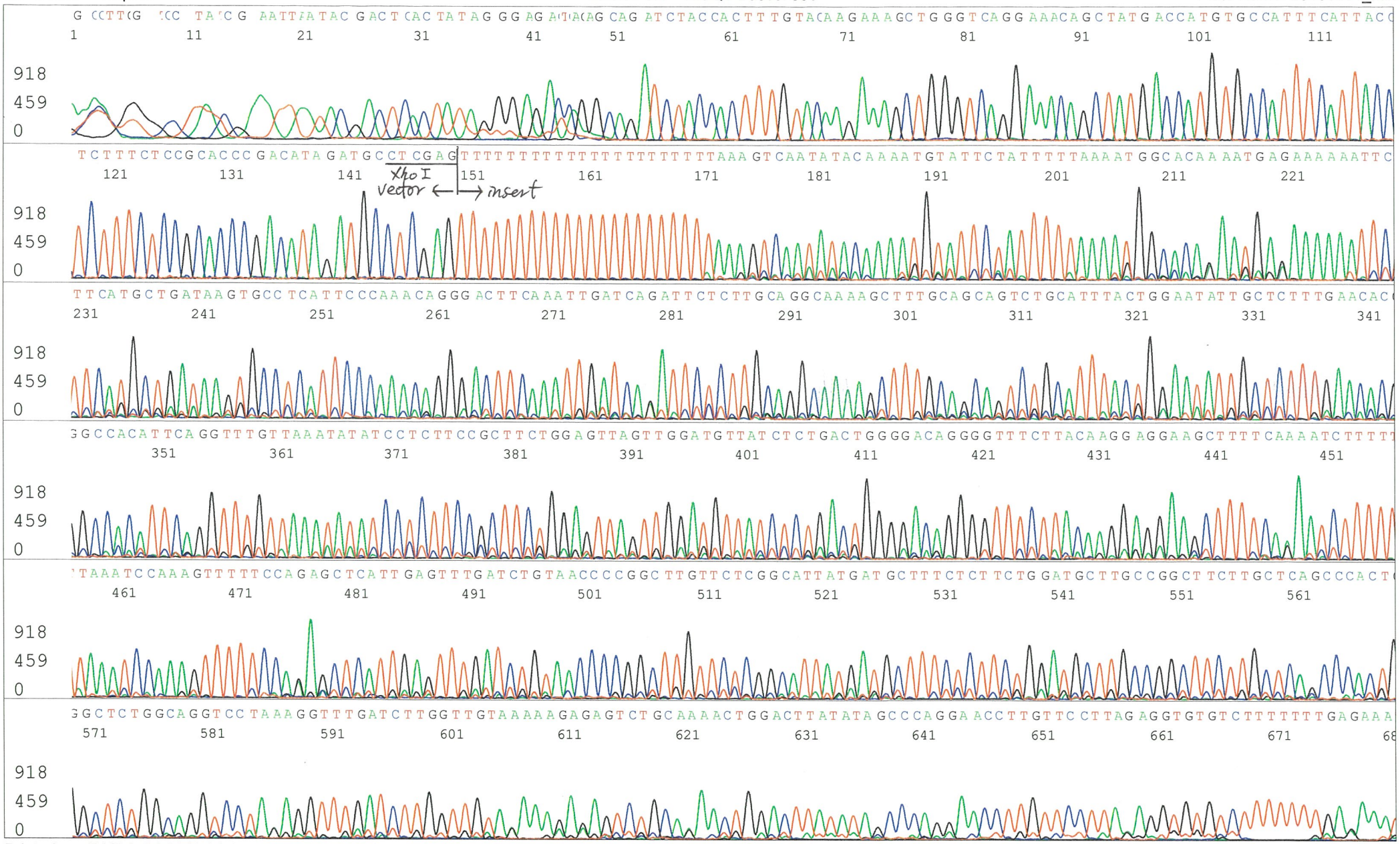
Plate Name: 20130201_mix



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