## RIKEN_Clone_ID : ARe69D10

Vector : pKA1U5

| Gene | SMC2 | | |
|---|---|---|---|
| RefSeq_mRNA | NM_006444.2 | 5983 bp | 1..5983 |
| | *CDS* | 3594 bp | 280..3873 |
| | *5'-terminal sequence* | 5944 bp | 40..5983 |

### ● Plasmid DNA purification

Date : 120702 Culture : LB (100 ug/ml Ampicillin) 5 ml -> 37°C O/N

Date : 120703 Purification : QIAGEN Miniprep kit -> $dH_2O$ 100 ul

### ● Digestion by restriction enzyme/Concentrarion calibration

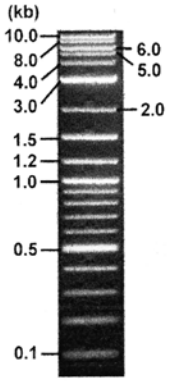
Date : 120703

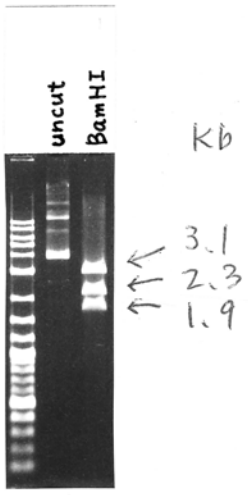
DNA concentration (O.D.): 221 ng/ul

| | |
|---|---|
| DNA | 0.2 ul |
| Enzyme (BamHI ) | 1 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 digestion pattern from ARe69D10 >

3138, 2325, 1947, 1886 bp (inference)

### ● Adjust plasmid DNA solution to 25 ng/ul ～preparation for shipping～

Date : 120712 Shipped : 25 ng/ul, 40 ul

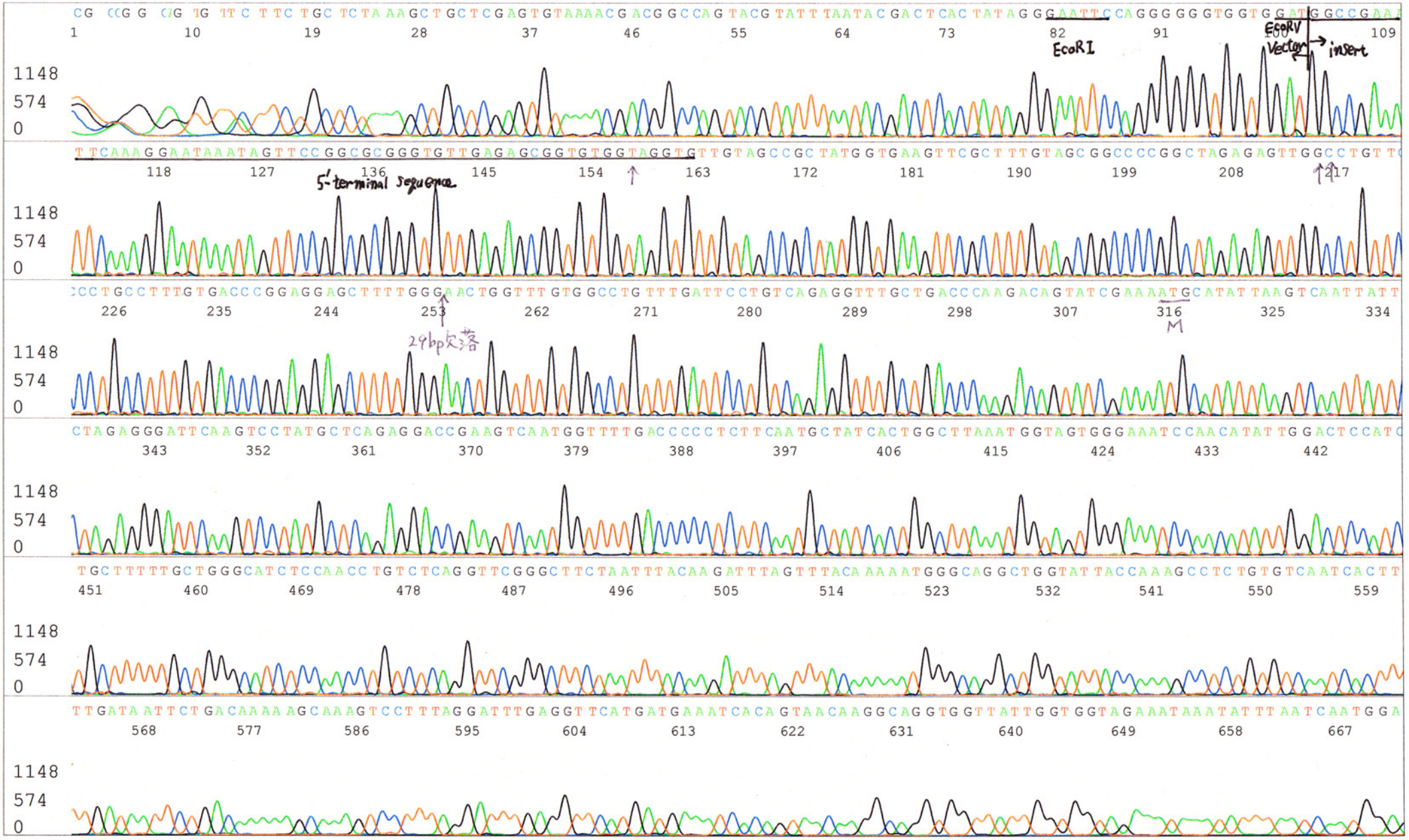
| | |
|---|---|
| DNA (221 ng/ul) | 75 ul |
| 10x TE | 66.3 ul |
| $dH_2O$ | 521.7 ul |
| Total | 663.0 ul |

Applied Biosystems

S/N G:640 A:413 T:449 C:337
KB.bcp
KB 1.4.1.8 Cap:10

7672_ARe69D10_pGCAP_F_D01_10
7672_ARe69D10_pGCAP_F
KB_3500_POP7_BDTv3.mob
Pts 1915 to 14085 Pk1 Loc:1892
Version 5.4 HiSQV Bases: 891

Inst Model/Name 3500/3500 Instrument
Jul 04,2002 09:44AM, JST
Jul 04,2002 10:09AM, JST
Spacing:12.35 Pts/Panel1350
Plate Name: 20120704_mix



Applied Biosystems

S/N G:358 A:381 T:427 C:237
KB.bcp
KB 1.4.1.8 Cap:13

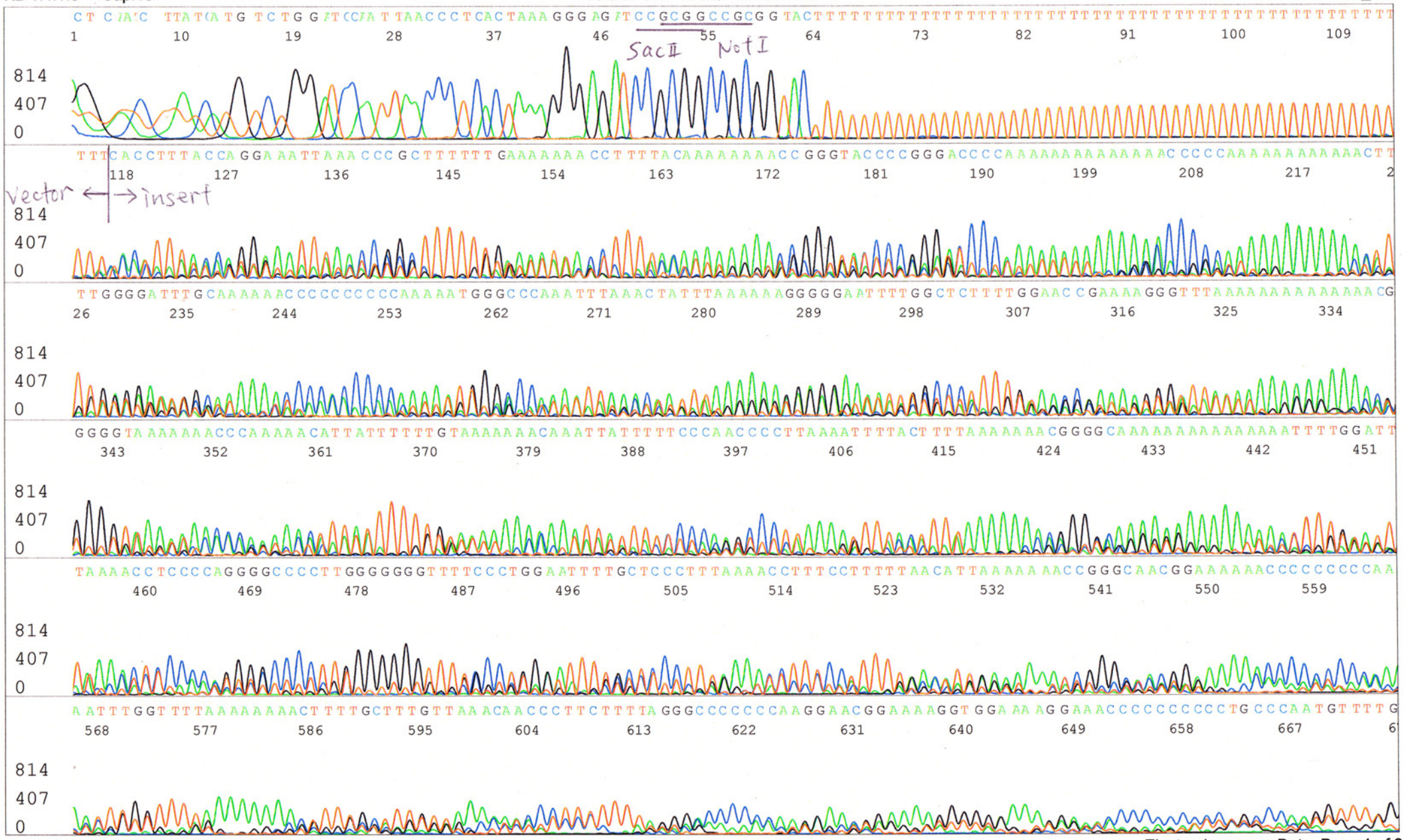
7672_ARe69D10_pGCAP_R_E01_13
7672_ARe69D10_pGCAP_R
KB_3500_POP7_BDTv3.mob
Pts 1305 to 13184 Pk1 Loc:1282
Version 5.4 HiSQV Bases: 239

Inst Model/Name 3500/3500 Instrument
Jul 04,2002 09:44AM, JST
Jul 04,2002 10:09AM, JST
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Plate Name: 20120704_mix