

RIKEN clone ID: IRAL027N17

Vector : pOTB7

Gene	SPOCK2		
Accession No.	BC023558.2	2143 bp	1..2143
	<i>CDS</i>	1275 bp	440..1714

● Plasmid DNA purification

Date : 110516 Culture : LB (25 ug/ml Chloramphenicol) 5 ml →37°C O/N

Date : 110517 Purification : QIAGEN Miniprep kit→dH₂O 100 ul

● Digestion by restriction enzyme / Concentration calibration

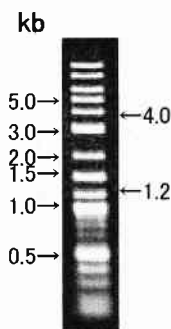
Date : 110517

DNA concentration (O.D.): 229.1 ng/ul

DNA	0.5 ul
Enzyme (BamHI+Bgl II)	0.5+0.5 ul
Buffer H	1 ul
dH ₂ O	7.5 ul
Total	10 ul

Electrophoresis: 1% agarose gel, 1 × TAE Buffer

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



<Expected digestion pattern from BC023558.2>

449, 1615, 1880 bp

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

Date : 110519 Shipped : 25 ng/ul, 40 ul

Final concentration: 25 ng/ul

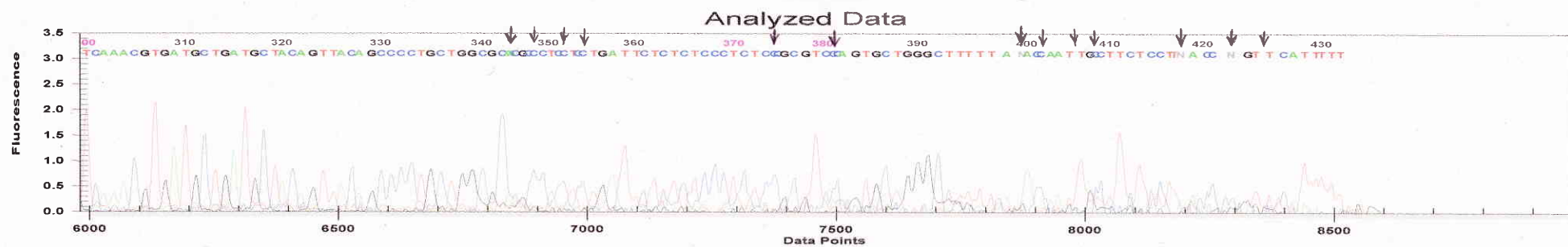
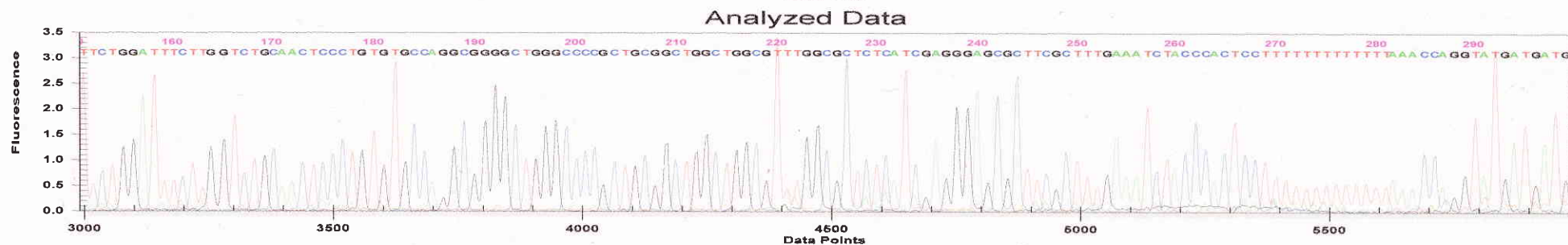
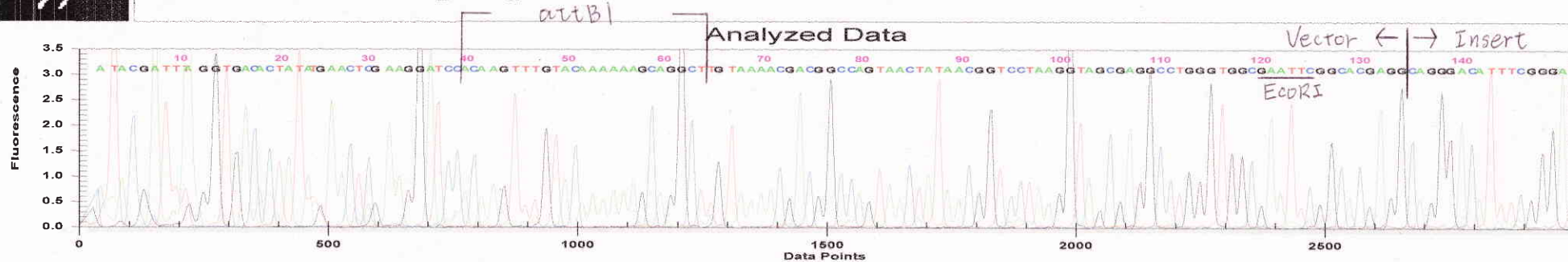
DNA (<u>229.1</u> ng/ul)	<u>88.0</u>	ul
10 × TE	<u>80.6</u>	ul
dH ₂ O	<u>637.8</u>	ul
Total	<u>806.4</u>	ul



Project : GNP
Sample : IRAL027N17_pOTB7_F.G03_11051812UK
Result : IRAL027N17_pOTB7_F.G03_11051812UK

System : System 1

Operator : 1.110518.furu
Instrument : System 1 (Ver. 9.0.25)





Project : GNP

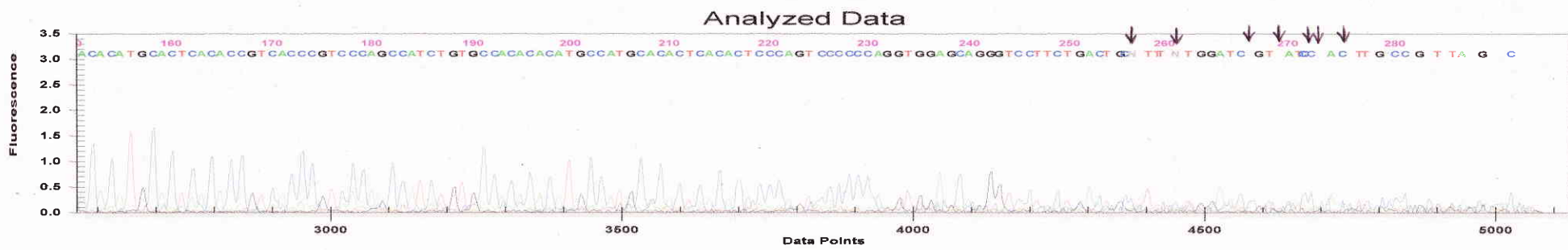
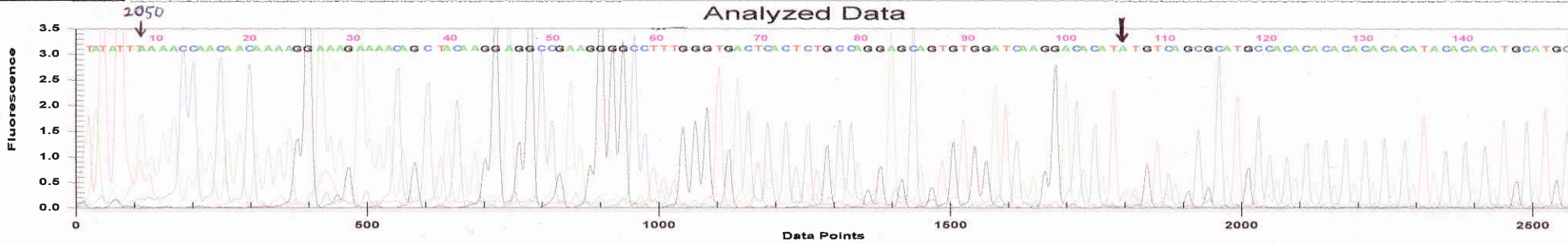
System : System 1

Operator : 1.110518.furu

Sample : IRAL027N17_GNP21.A04_11051814GZ

Instrument : System 1 (Ver. 9.0.25)

Result : IRAL027N17_GNP21.A04_11051814GZ



[GENETYX : Homology Data]

Date : 2011.05.19

Query Sequence

File Name :
 Sequence Name : BC023558.2
 Sequence Size : 2143

Target Sequence

File Name : IRAL027N17_pOTB7_F.G03_11051812UK
 Sequence Name : IRAL027N17_pOTB7_F.G03_11051812UK
 Sequence Size : 431

Unit Size to Compare = 6

Pick up Location No. = 1

Query Range: 1 - 289

Sbjct Range: 134 - 431

298 bp, INT.Score: 836, OPT.Score: 995

Identity: 276 / 298 (92%)

Strand: Plus / Plus

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Query 1      CAGGGACATT TCGGGATTCT GGATTTCTTG GTCTGCAACT CCCTGTGTGC CAGGCGGGGC 60
          |||
Sbjct 134    CAGGGACATT TCGGGATTCT GGATTTCTTG GTCTGCAACT CCCTGTGTGC CAGGCGGGGC 193

Query 61     TGGGCCCCGC TCGGGCTGGC TGGCGTTTGG CGCTCTCATC GAGGGAGCGC TTCGCTTTGA 120
          |||
Sbjct 194    TGGGCCCCGC TCGGGCTGGC TGGCGTTTGG CGCTCTCATC GAGGGAGCGC TTCGCTTTGA 253

Query 121    AATCTACCCA CTCCTTTTTT TTTTTTTAAA CCAGGTATGA TGATGTCAAA CGTGATGCTG 180
          |||
Sbjct 254    AATCTACCCA CTCCTTTTTT TTTTTTTAAA CCAGGTATGA TGATGTCAAA CGTGATGCTG 313

Query 181    ATGCTACAGT TACAGCCCCT GCTGGCG--- CAGCCT-CT- CTGATTCTCT CTCCCTCT-C 234
          |||
Sbjct 314    ATGCTACAGT TACAGCCCCT GCTGGCGCAA CGCCCTCCTC CTGATTCTCT CTCCCTCTCC 373

Query 235    CGCGT-CCAG TGCTGGGCTT TTTAGACAA GTG-CATCTC C-TAACCAGG TCACATTT 289
          |||
Sbjct 374    CGCGTCCCAG TGCTGGGCTT TTTANACCAA TTGCCTTCTC CTTNACCNGT TCATTTTT 431

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[GENETYX : Homology Data]

Date : 2011.05.19

Query Sequence

File Name :
 Sequence Name : BC023558.2
 Sequence Size : 2143

Target Sequence

File Name : IRAL027N17_GNP21.A04_11051814GZ
 Sequence Name : IRAL027N17_GNP21.A04_11051814GZ (complement)
 Sequence Size : 286

Unit Size to Compare = 6

Pick up Location No. = 1

Query Range: 1773 - 2050

Sbjct Range: 7 - 282

278 bp, INT.Score: 1036, OPT.Score: 1044

Identity: 269 / 278 (96%)

Strand: Plus / Minus

Query	1773	GGCAACTTCG	AGAACGGATC	CAGAAATGCA	GTCAGAAGGA	CCCTGCTCCA	CCTGGGGGGA	1832
				!!.. .				
Sbjct	7	GGCAAGTGGG	A-TAC-GATC	CANAAANGCA	GTCAGAAGGA	CCCTGCTCCA	CCTGGGGGGA	64
Query	1833	CTGGGAGTGT	GAGTGTGCAT	GGCATGTGTG	TGGCACAGAT	GGCTGGGACG	GGTGACGGTG	1892
Sbjct	65	CTGGGAGTGT	GAGTGTGCAT	GGCATGTGTG	TGGCACAGAT	GGCTGGGACG	GGTGACGGTG	124
Query	1893	TGAGTGCATG	TGTGCATGCA	TGTGTGTATG	TGTGTGTGTG	TGTGGCATGC	GCTGACAAAT	1952
Sbjct	125	TGAGTGCATG	TGTGCATGCA	TGTGTGTATG	TGTGTGTGTG	TGTGGCATGC	GCTGACATAT	184
Query	1953	GTGTCCTTGA	TCCACACTGC	TCCTGGCAGA	GTGAGTCACC	CAAAGGCCCC	TTCGGCCTCC	2012
Sbjct	185	GTGTCCTTGA	TCCACACTGC	TCCTGGCAGA	GTGAGTCACC	CAAAGGCCCC	TTCGGCCTCC	244
Query	2013	TTGTAGCTGT	TTTCTTTCCCT	TTTGTGTGTG	GTTTTAAA	2050		
Sbjct	245	TTGTAGCTGT	TTTCTTTCCCT	TTTGTGTGTG	GTTTTAAA	282		