Gene Engineering Division
RIKEN BioResource Center

RIKEN_Clone_ID : RBdS132A13

Vector : pGCAP10

Gene	KCNN1		
RefSeq_mRNA	NM_002248.3	2657 bp	1..2657
	CDS	1632 bp	311..1942
	5'-terminal sequence	bp	

● Plasmid DNA purification

Date : 121127

Culture : LB (100 ug/ml Ampicillin) 5 ml -> at 37 deg C over night

Date : 121128

Purification : QIAGEN Miniprep kit -> dH_2O 100 ul

● Digestion by restriction enzyme/Concentrarion calibration

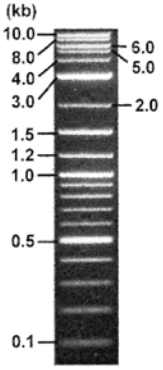
Date : 121128

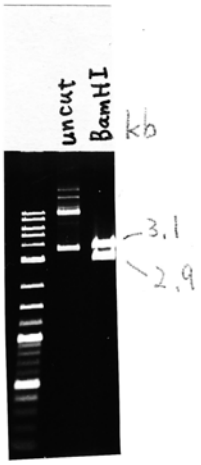
DNA concentration (O.D.): 335 ng/ul

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 size of fragment from RBdS132A13 >

3138, 2858 bp (inference)

● Confirmation of the insertion sequence

Date : 121129

Primer A	pGCAP-F
Primer B	pGCAP-R
Primer C	Poly(A) region primer
List of Sequencing Primers	http://dna.brc.riken.jp/en/NRCDhum2en.html

● Adjustment of DNA concentration

Shipping amount : 40 ul

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

Date : 121203

DNA (335 ng/ul)	85 ul
10x TE	114 ul
dH_2O	940 ul
Total	1139.0 ul

確認 12.12.03 柴本

APPROVED BY :

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

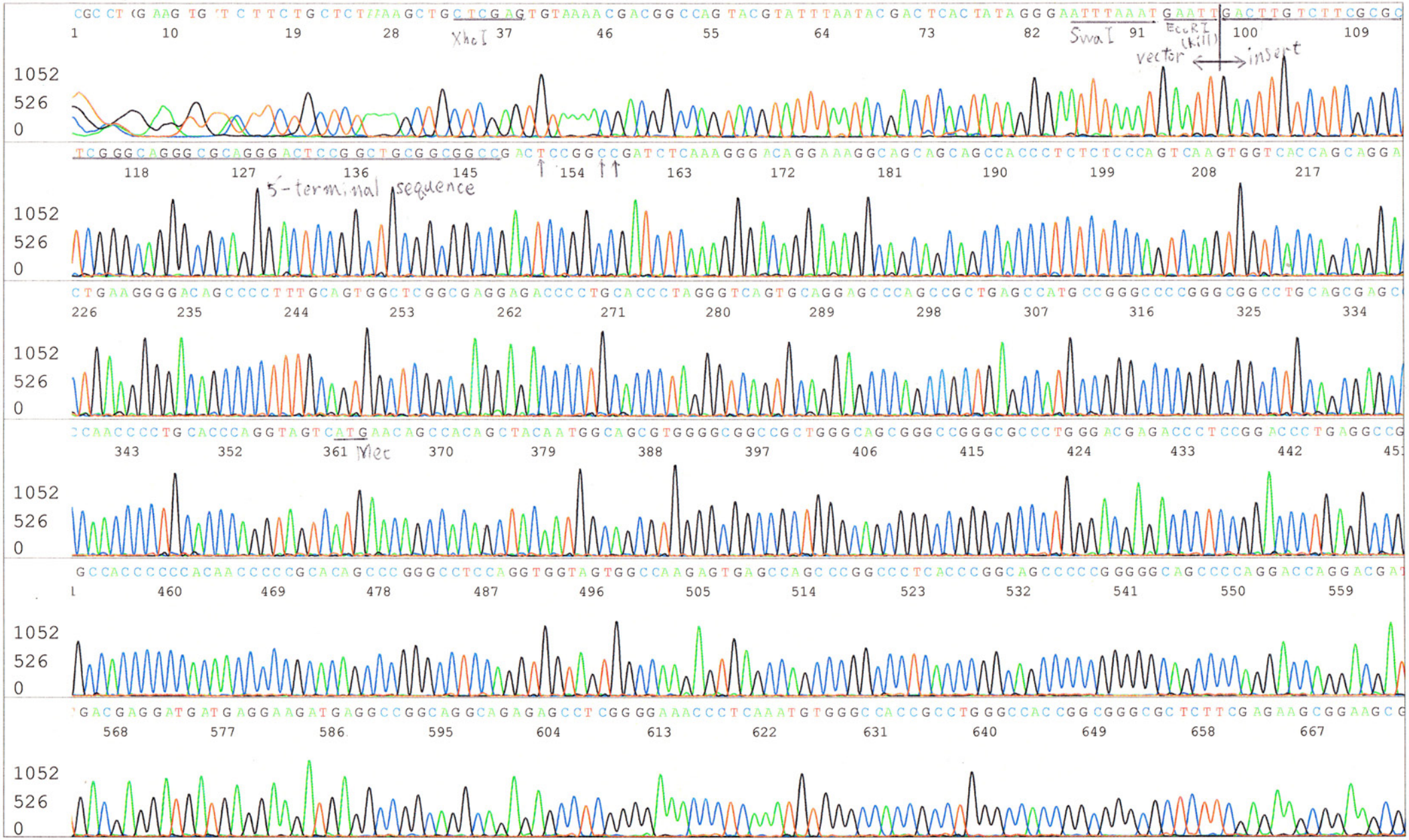
Applied Biosystems

S/N G:235 A:126 T:89 C:174
KB.bcp
KB 1.4.1.8 Cap:1

Primer A : pGCAP-F
5' CTCAGTGGATGTTGCCTTTAC 3'

6608_RBdS132A13_pGCAP_F_A07_01
6608_RBdS132A13_pGCAP_F
KB_3500_POP7_BDTv3.mob
Pts 1340 to 13279 Pk1 Loc:1317
Version 5.4 HiSQV Bases: 1018

Inst Model/Name 3500/3500 Instrument
Nov 29,2012 02:45PM, JST
Nov 29,2012 03:12PM, JST
Spacing:11.68 Pts/Panel1350
Plate Name: 20121129_DNAbank_GNP



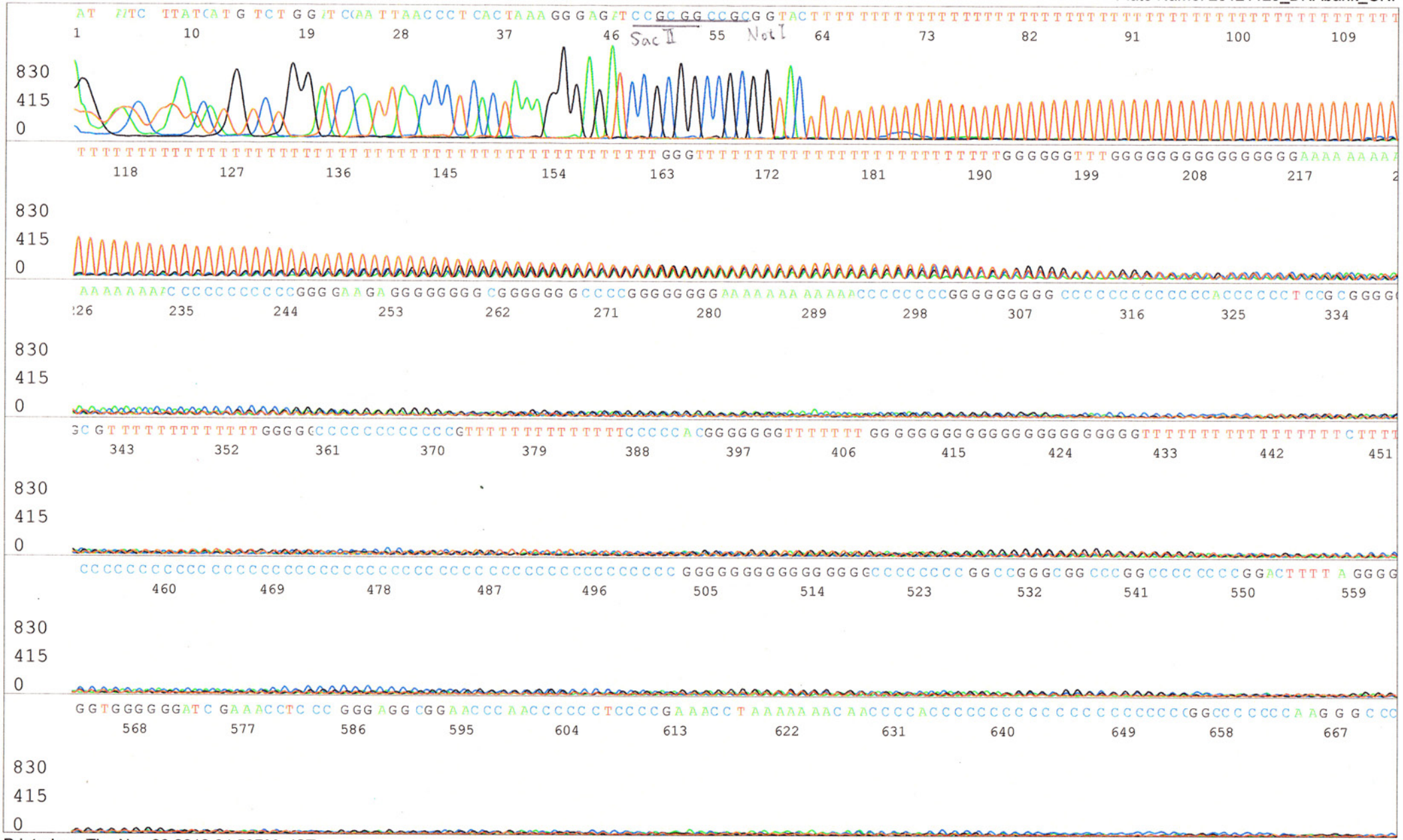
Applied Biosystems

S/N G:49 A:44 T:71 C:39
KB.bcp
KB 1.4.1.8 Cap:4

Primer B : pGCAP-R
5' GCATTCTAGTTGTGGTTTGTCC 3'

6608_RBdS132A13_pGCAP_R_B07_04
6608_RBdS132A13_pGCAP_R
KB_3500_POP7_BDTv3.mob
Pts 1342 to 13512 Pk1 Loc:1319
Version 5.4 HiSQV Bases: 175

Inst Model/Name 3500/3500 Instrument
Nov 29,2012 02:45PM, JST
Nov 29,2012 03:12PM, JST
Spacing:12.04 Pts/Panel1350
Plate Name: 20121129_DNAbank_GNP



Applied Biosystems

S/N G:103 A:80 T:65 C:80
KB.bcp
KB 1.4.1.8 Cap:7

Primer C : Poly(A) region primer #0
5' TTTTTTTTTTTTTTTTTTTTTNNN 3'

6608_RBdS132A13_GNPmixture_C07_07
6608_RBdS132A13_GNPmixture
KB_3500_POP7_BDTv3.mob
Pts 1336 to 13332 Pk1 Loc:1313
Version 5.4 HiSQV Bases: 1016

Inst Model/Name 3500/3500 Instrument
Nov 29,2012 02:45PM, JST
Nov 29,2012 03:12PM, JST
Spacing:11.74 Pts/Panel1350
Plate Name: 20121129_DNAbank_GNP

