NRCD Human Full-Length cDNA Clone

Gene Engineering Division
RIKEN BioResource Research Center

RIKEN_Clone_ID : RBd53F11

Lot# : 7677_B2Cs

Vector : pGCAP10

Gene	EML4	
RefSeq_mRNA	NM_019063.5	5546 bp

● Plasmid DNA purification

Date : 22.03.28 Culture : LB (100 ug/ml Ampicillin) 5 ml -> at 37 deg C O/N

Date : 22.03.29 Purification : QIAGEN Miniprep kit -> dH_2O 100 ul

● Digestion by restriction enzyme/Concentrarion calibration

Date : 22.03.29

DNA concentration (O.D.): 436 ng/ul

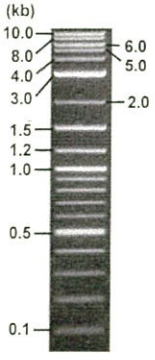
DNA	0.25 ul
Enzyme (BamHI)	1 ul
Buffer H	1 ul
dH_2O	7.75 ul
Total	10 ul

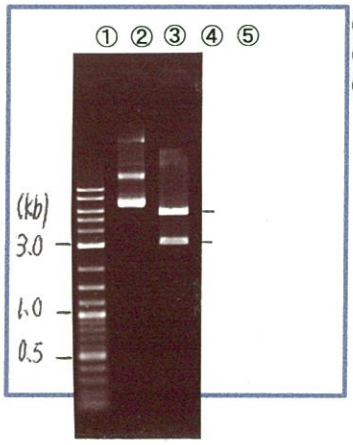
< Size of fragment expected from this clone >

BamHI 3.1kb (vector), 5.7 kb (unsure)

Erectrophoresis : 1% agarose gel, 1x TAE Buffer

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





①:Marker
②:uncut
③:BamHI

● Confirmation of the insertion sequence

Date : 22.06.17

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

● Adjust plasmid DNA solution to 25 ng/ul

Date : 22.06.21

DNA (436 ng/ul)	74.0 ul
10x TE	129.0 ul
dH_2O	1087.5 ul
Total	1290.5 ul

● Shipping

☑ Conc. : 25 ng/μl, Volume : 40 μl

☐ ~~Conc. : ng/μl, Volume : μl~~

APPROVED BY : 確認 22.6.17 笹沼

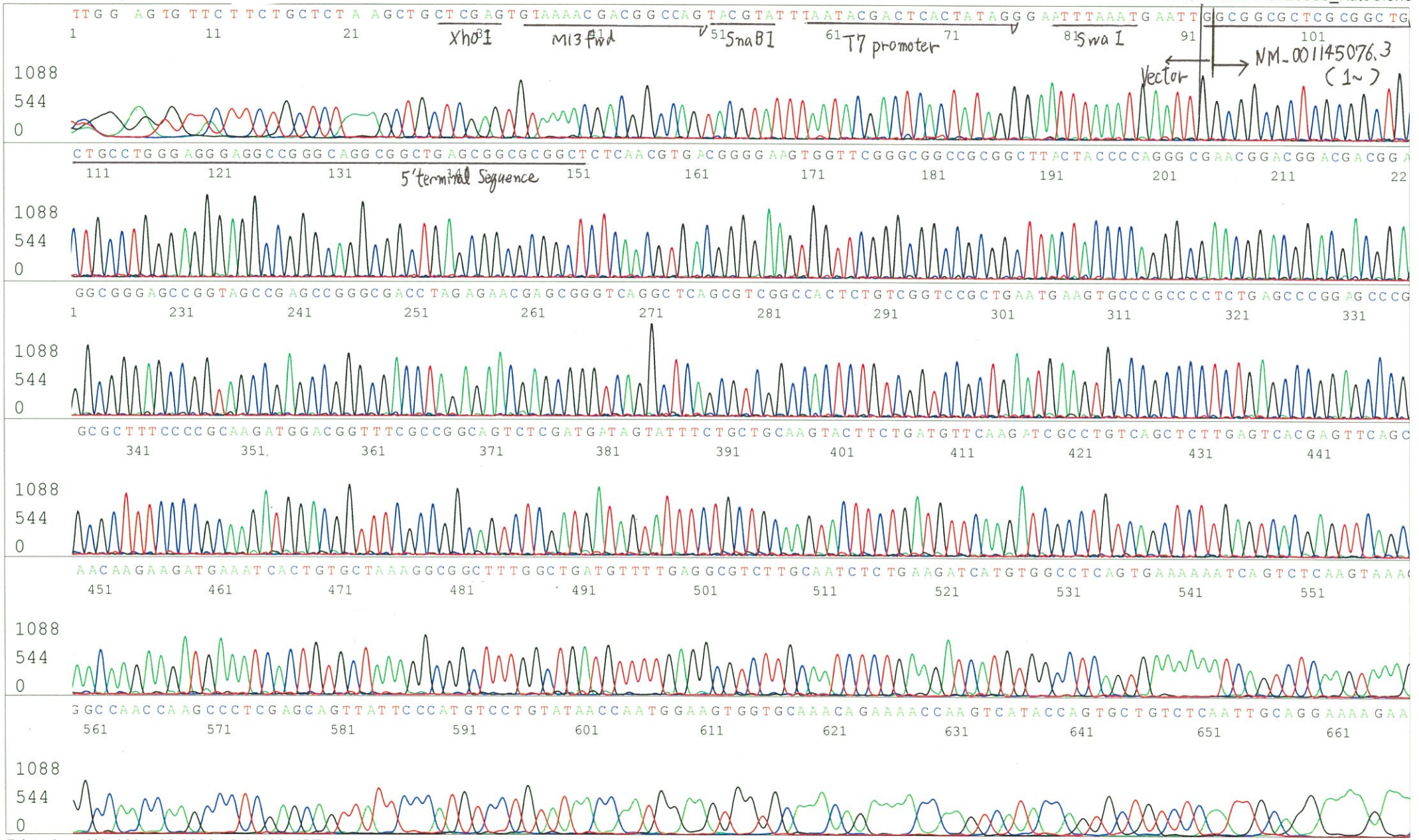
Applied Biosystems

S/N G:660 A:735 T:370 C:695
KB.bcp
KB 1.4.1.8 Cap:15

Primer A : pGCAP-F
5' CTCAGTGGATGTTGCCTTTAC 3'

7677_RBd53F11_B2Cs_pGCAP_F_E03_15_ABI24
7677_RBd53F11_B2Cs_pGCAP_F
KB_3500_POP7_BDTv3.mob
Pts 1709 to 8708 Pk1 Loc:1677
Version 6.0 HiSQV Bases: 675

Inst Model/Name 3500/3500 Instrument
Mar 30,2022 09:44AM, JST
Mar 30,2022 09:59AM, JST
Spacing:10.82 Pts/Panel1350
Plate Name: 20220330_KatoClone



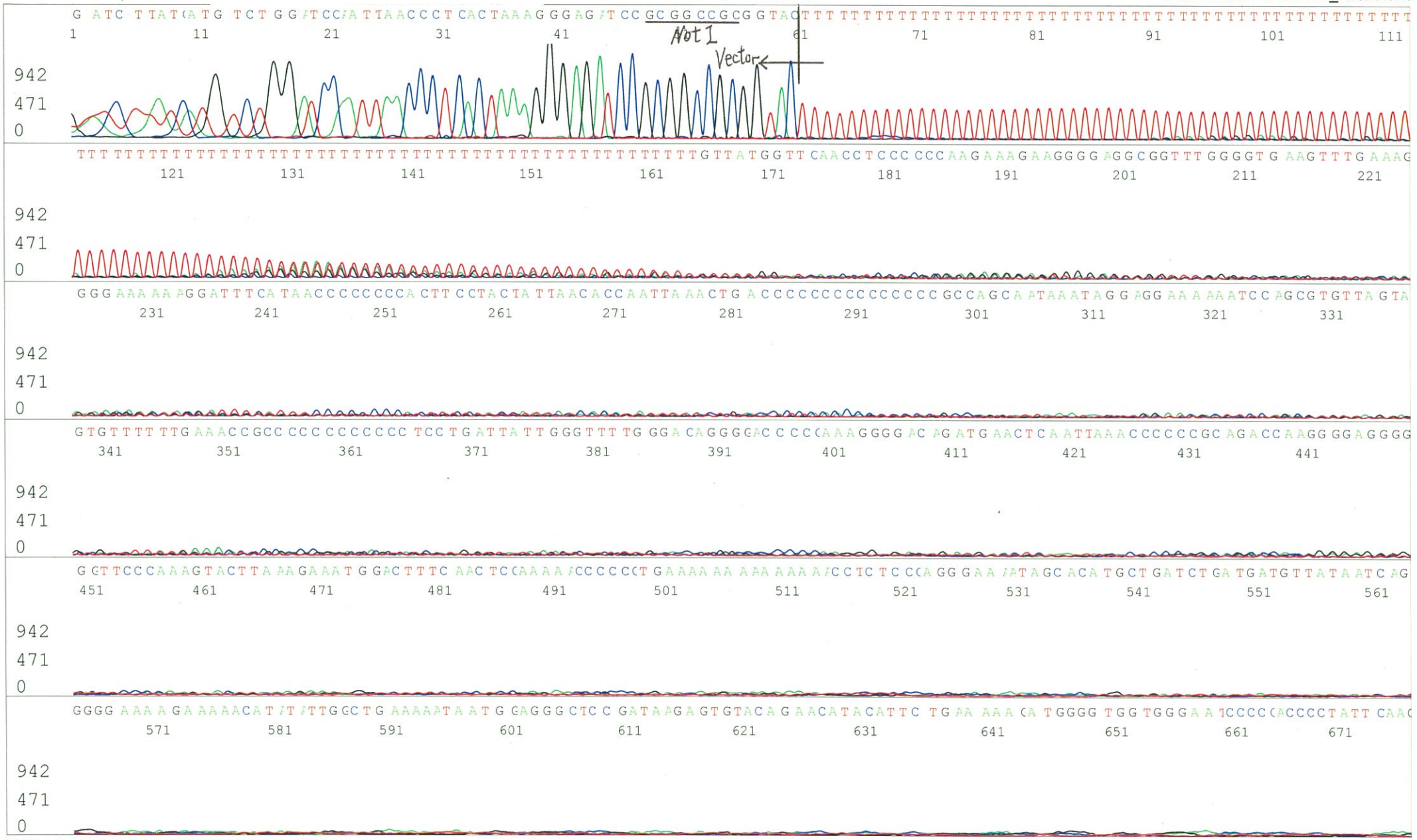
Applied Biosystems

S/N G:68 A:102 T:123 C:73
KB.bcp
KB 1.4.1.8 Cap:18

Primer B : pGCAP-R
5' GCATTCTAGTTGTGGTTTGTCC 3'

7677_RBd53F11_B2Cs_pGCAP_R_F03_18_ABI24
7677_RBd53F11_B2Cs_pGCAP_R
KB_3500_POP7_BDTv3.mob
Pts 1718 to 8911 Pk1 Loc:1686
Version 6.0 HiSQV Bases: 122

Inst Model/Name 3500/3500 Instrument
Mar 30,2022 09:44AM, JST
Mar 30,2022 09:59AM, JST
Spacing:10.73 Pts/Panel1350
Plate Name: 20220330_KatoClone



Applied Biosystems

S/N G:100 A:139 T:60 C:73
KB.bcp
KB 1.4.1.8 Cap:21

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

7677_RBd53F11_B2Cs_GNPmixture_G03_21_ABI24
7677_RBd53F11_B2Cs_GNPmixture
KB_3500_POP7_BDTv3.mob
Pts 1702 to 8708 Pk1 Loc:1670
Version 6.0 HiSQV Bases: 639

Inst Model/Name 3500/3500 Instrument
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Mar 30,2022 09:59AM, JST
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