F8

NRCD Human Full-Length cDNA Clone

Gene Engineering Division
RIKEN BioResource Research Center
Lot# : 7677_B0Cu

**RIKEN Clone ID : RBd10D04**
Vector : pGCAP10

| | | |
|---|---|---|
| Gene | FLT4 | |
| RefSeq_mRNA | NM_002020.5 | 4484 bp |

● **Plasmid DNA purification**

Date : 20.03.30 Culture : LB (100 ug/ml Ampicillin) 5 ml -> at 37 deg C O/N

Date : 20.04.01 Purification : QIAGEN Miniprep kit -> $dH_2O$ 100 ul

● **Digestion by restriction enzyme/Concentrarion calibration**

Date : 20.04.01

DNA concentration (O.D.): 184 ng/ul

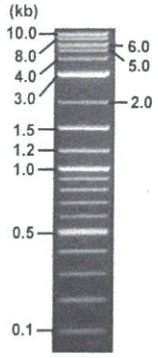
| | | |
|---|---|---|
| DNA | 0.5 | ul |
| Enzyme (BamHI ) | 1 | ul |
| Buffer H | 1 | ul |
| $dH_2O$ | 7.5 | ul |
| Total | 10 | ul |

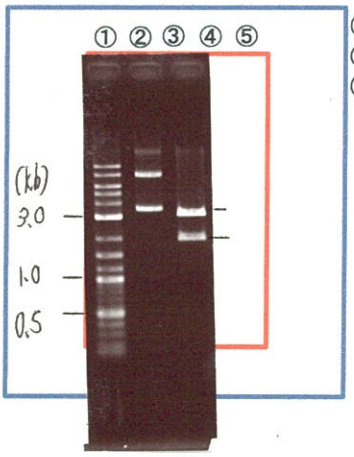
< Size of fragment expected from this clone >

BamHI 3.1kb (vector), 1.8 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 : 21.03.01

| | |
|---|---|
| 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 : 21.03.30

| | | |
|---|---|---|
| DNA ( 184 ng/ul) | 76.0 | ul |
| 10x TE | 55.9 | ul |
| $dH_2O$ | 427.4 | ul |
| Total | 559.3 | ul |

● **Shipping**

☑ Conc. : **25 ng/μl**, Volume : **40 μl**

☐ ~~Conc. : ___ ng/μl, Volume : ___ μl~~

APPROVED BY : 確認 21.3.01 笹沼

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

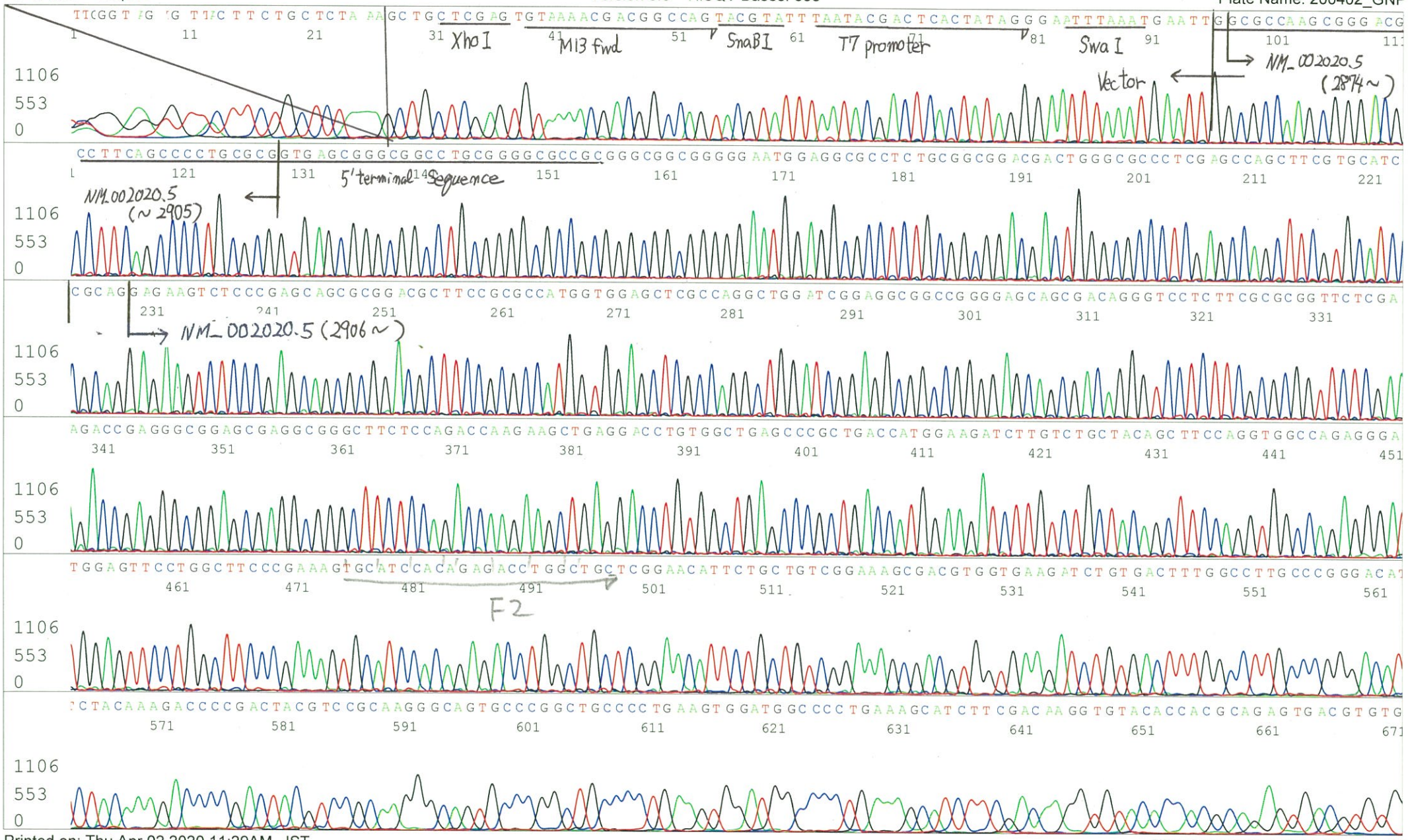
Applied Biosystems

S/N G:644 A:591 T:331 C:821
KB.bcp
KB 1.4.1.8 Cap:10

Primer A : pGCAP-F
5' CTCAGTGGATGTTGCCTTTAC 3'

7677_RBd10D04_B0Cu_pGCAP_F_D01_10_ABI24
7677_RBd10D04_B0Cu_pGCAP_F
KB_3500_POP7_BDTv3.mob
Pts 1753 to 8707 Pk1 Loc:1721
Version 6.0 HiSQV Bases: 688

Inst Model/Name 3500/3500 Instrument
Apr 02,2020 09:34AM, JST
Apr 02,2020 09:50AM, JST
Spacing:10.69 Pts/Panel1350
Plate Name: 200402_GNP



Applied Biosystems

S/N G:75 A:84 T:71 C:84
KB.bcp
KB 1.4.1.8 Cap:13

Primer B : pGCAP-R
5' GCATTCTAGTTGTGGTTTGTCC 3'

7677_RBd10D04_B0Cu_pGCAP_R_E01_13_ABI24
7677_RBd10D04_B0Cu_pGCAP_R
KB_3500_POP7_BDTv3.mob
Pts 1748 to 8500 Pk1 Loc:1716
Version 6.0 HiSQV Bases: 105

Inst Model/Name 3500/3500 Instrument
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Apr 02,2020 09:50AM, JST
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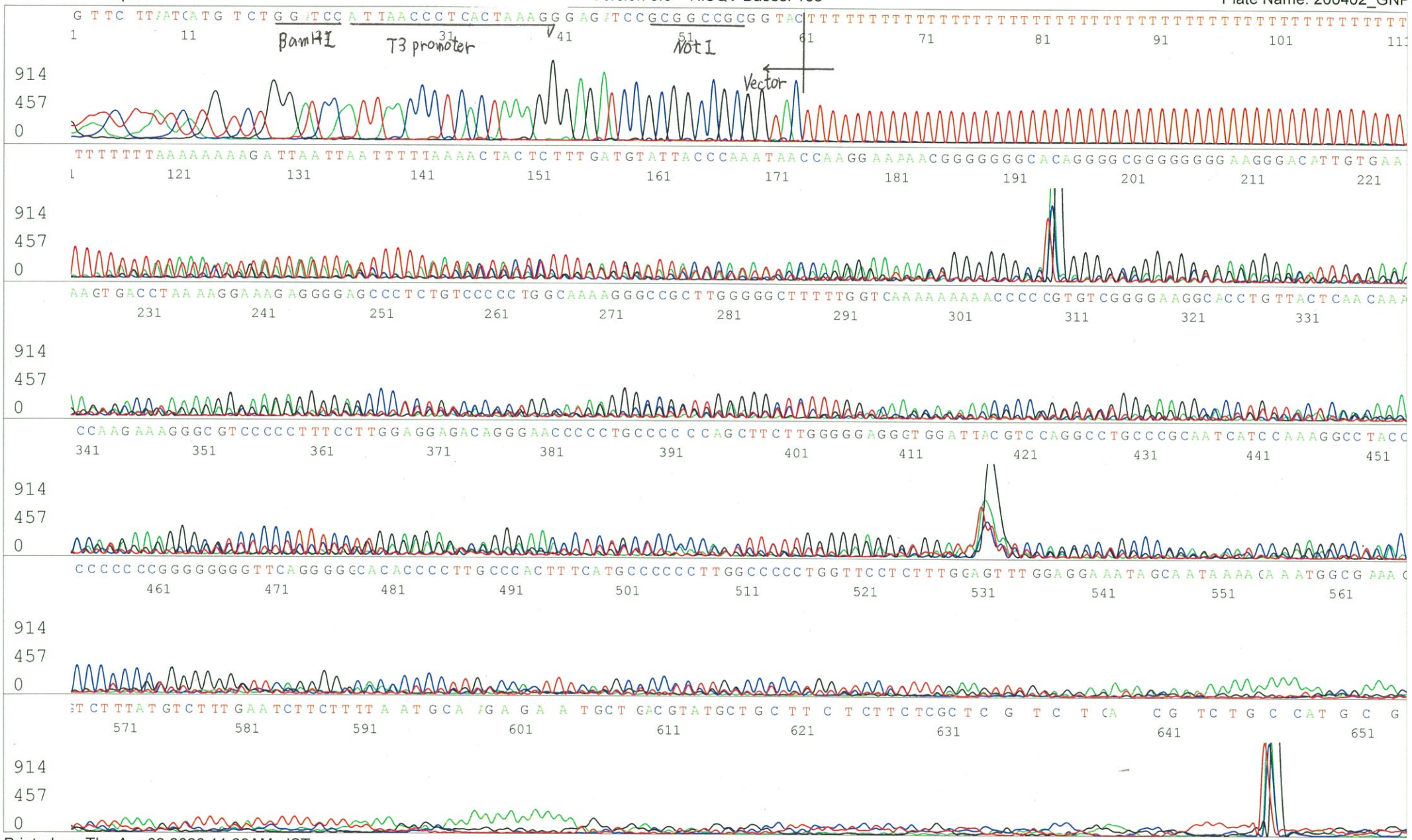
Plate Name: 200402_GNP

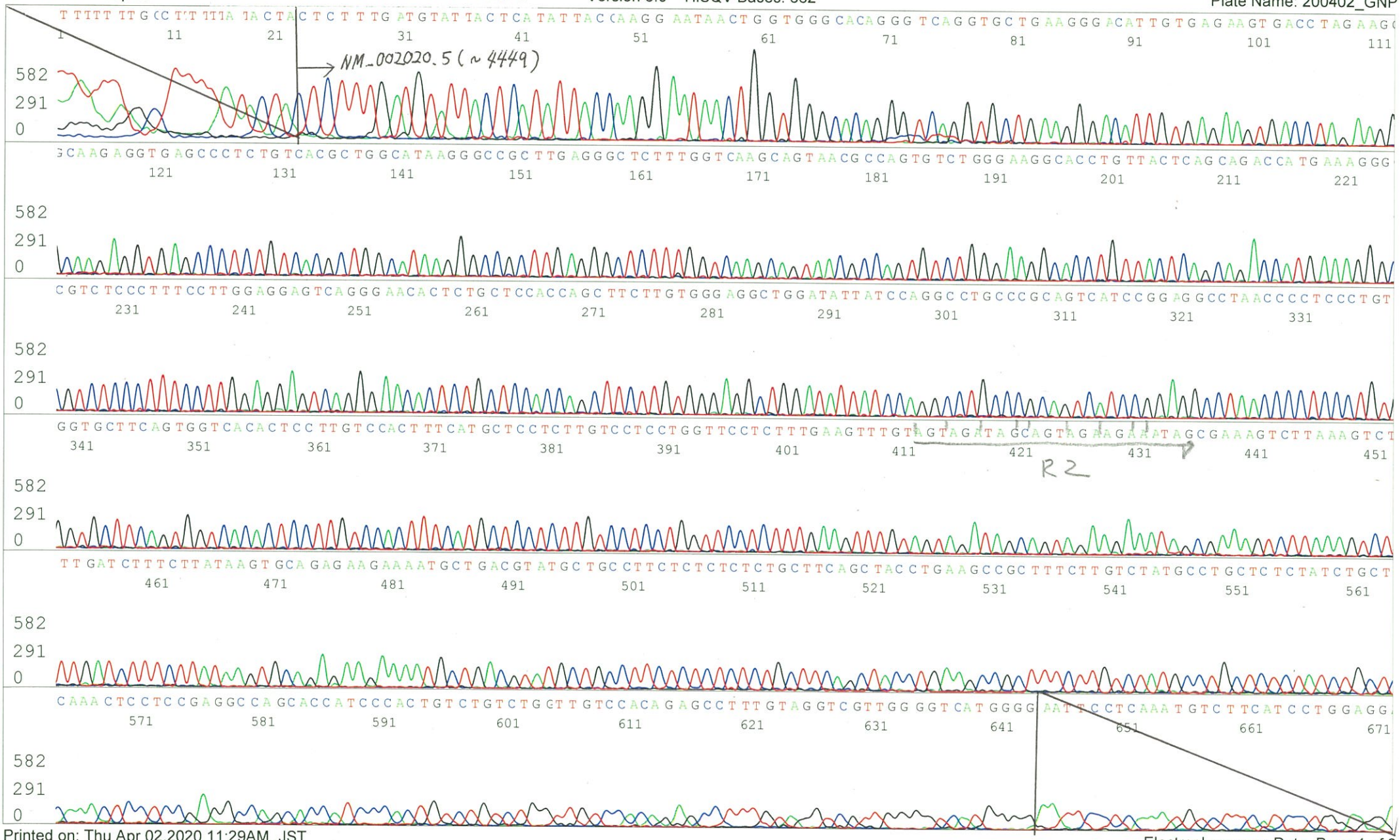



Printed on: Thu Apr 02,2020 11:29AM, JST

Applied Biosystems

S/N G:26 A:29 T:24 C:38
KB.bcp
KB 1.4.1.8 Cap:16

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

7677_RBd10D04_B0Cu_GNP Mixture_F01_16_ABI24
7677_RBd10D04_B0Cu_GNP Mixture
KB_3500_POP7_BDTv3.mob
Pts 1731 to 8707 Pk1 Loc:1699
Version 6.0 HiSQV Bases: 662

Inst Model/Name 3500/3500 Instrument
Apr 02,2020 09:34AM, JST
Apr 02,2020 09:50AM, JST
Spacing:10.65 Pts/Panel1350
Plate Name: 200402_GNP