Gene Engineering Division
RIKEN BioResource Research Center

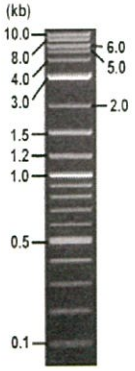
RIKEN DNA BANK

clone name : Dyrk1a sh#2/psilencer3.1-puro

- **Clone ID** : RDB _ 12854
- **Lot** : 12854 _ A4Io
- **DNA Concentration** : 25 nanogram/microliter
- **Volume** : 40 microliter
- **Form** : DNA solution in TE buffer
- **Host** : DH5 alpha
- **Culture** : LB medium
- **Antibiotics** : 100 microgram/ml Ampicillin
- **Purification** : QIAGEN QIAprep Spin Miniprep kit

Digestion by restriction enzyme

2-Log DNA Ladder
(NEB#N3200L),
250 ng/well



Erectrophoresis : 100 nanogram DNA per lane ; 1% agarose gel , 1 x TAE Buffer

Restriction enzyme		Expected size of fragment	
BamHI	:	4.0	kbp
SalI	:	4.0	kbp
BamHI+SalI	:	2.7, 1.4	kbp
	:		kbp
	:		kbp

Confirmation of the insertion sequence

Sequence name	Primer name	Sequence name	Primer name
Sequence - A	M13_-40	Sequence - E	-
Sequence - B	SV40pro-F_v2	Sequence - F	-
Sequence - C	-	Sequence - G	-
Sequence - D	-	Sequence - H	-

APPROVED BY : 確認 19.1.18 栗原

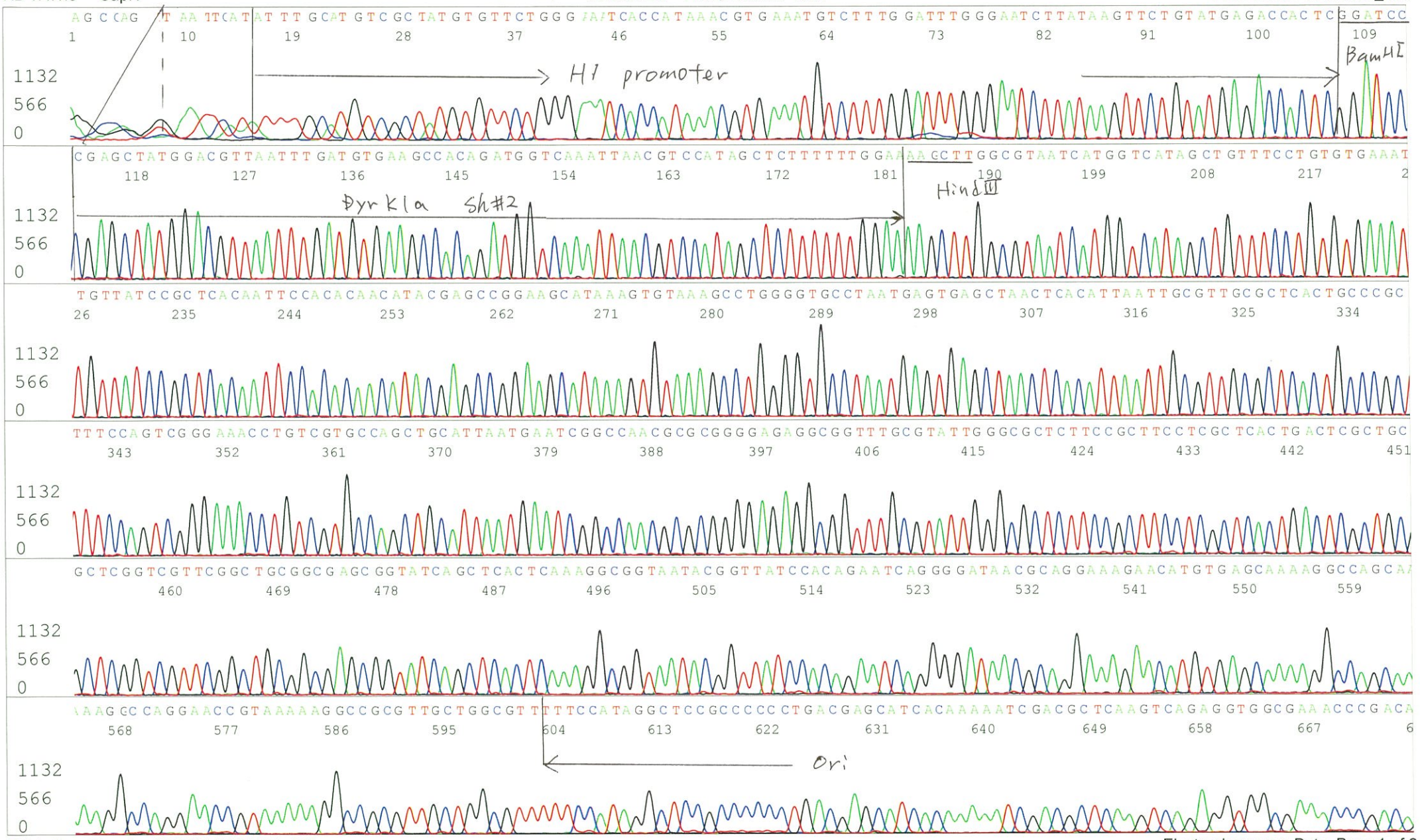
Applied Biosystems

S/N G:66 A:66 T:73 C:73
KB.bcp
KB 1.4.1.8 Cap:1

primer name A : M13_-40
5'-GTTTTCCCAGTCACGACGTTGTA-3'

12854_12854_A4lo_2_M13_-40_A01_01_ABI24
12854_12854_A4lo_2_M13_-40
KB_3500_POP7_BDTv3.mob
Pts 1496 to 13668 Pk1 Loc:1473
Version 6.0 HiSQV Bases: 1008

Inst Model/Name 3500/3500 Instrument
Jan 08,2019 01:56PM, JST
Jan 08,2019 02:39PM, JST
Spacing:12.28 Pts/Panel1350
Plate Name: 20190108_mix



Applied Biosystems

S/N G:66 A:66 T:73 C:73
KB.bcp
KB 1.4.1.8 Cap:1

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KB_3500_POP7_BDTv3.mob
Pts 1496 to 13668 Pk1 Loc:1473
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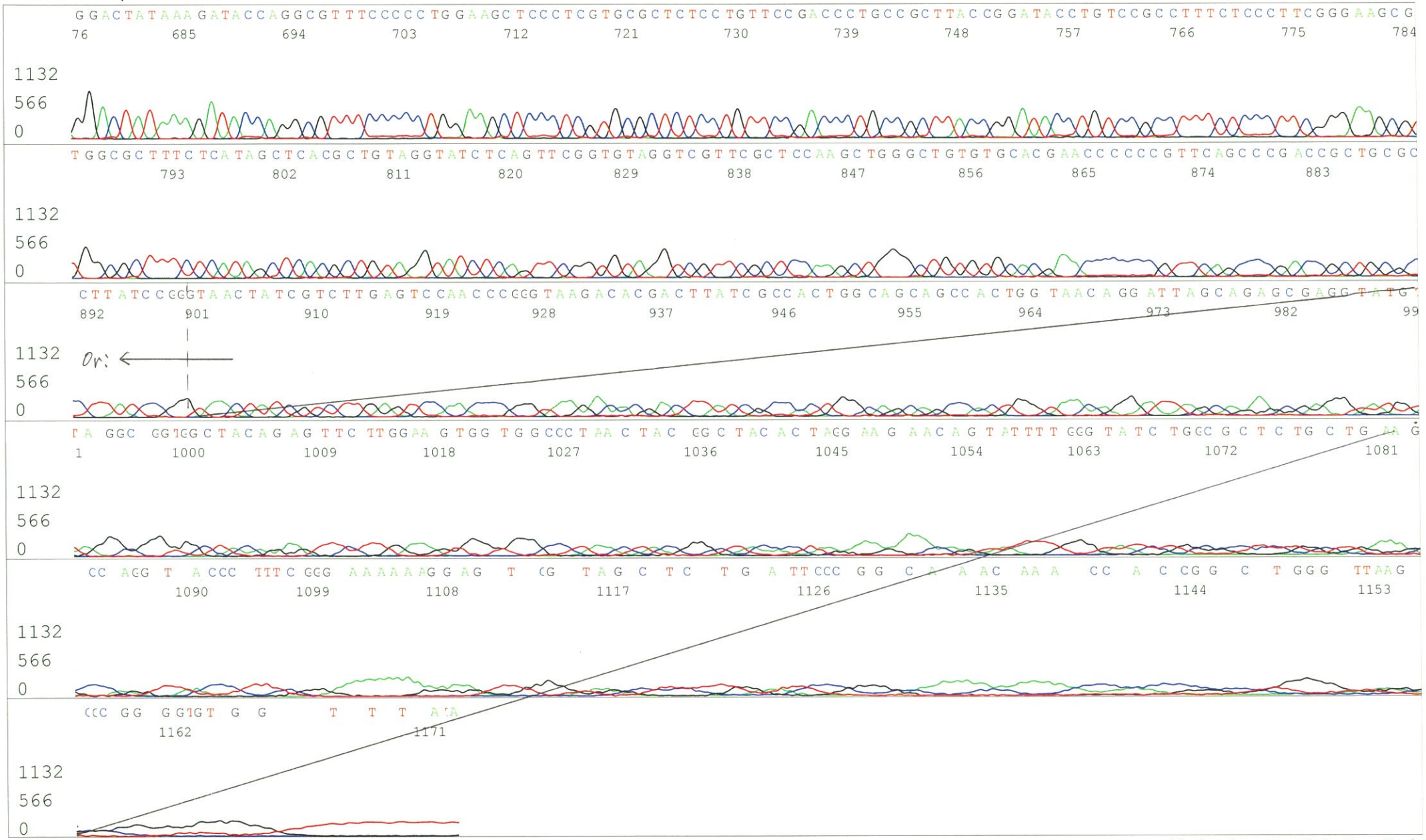

Printed on: Tue Jan 08,2019 04:22PM, JST

Applied Biosystems

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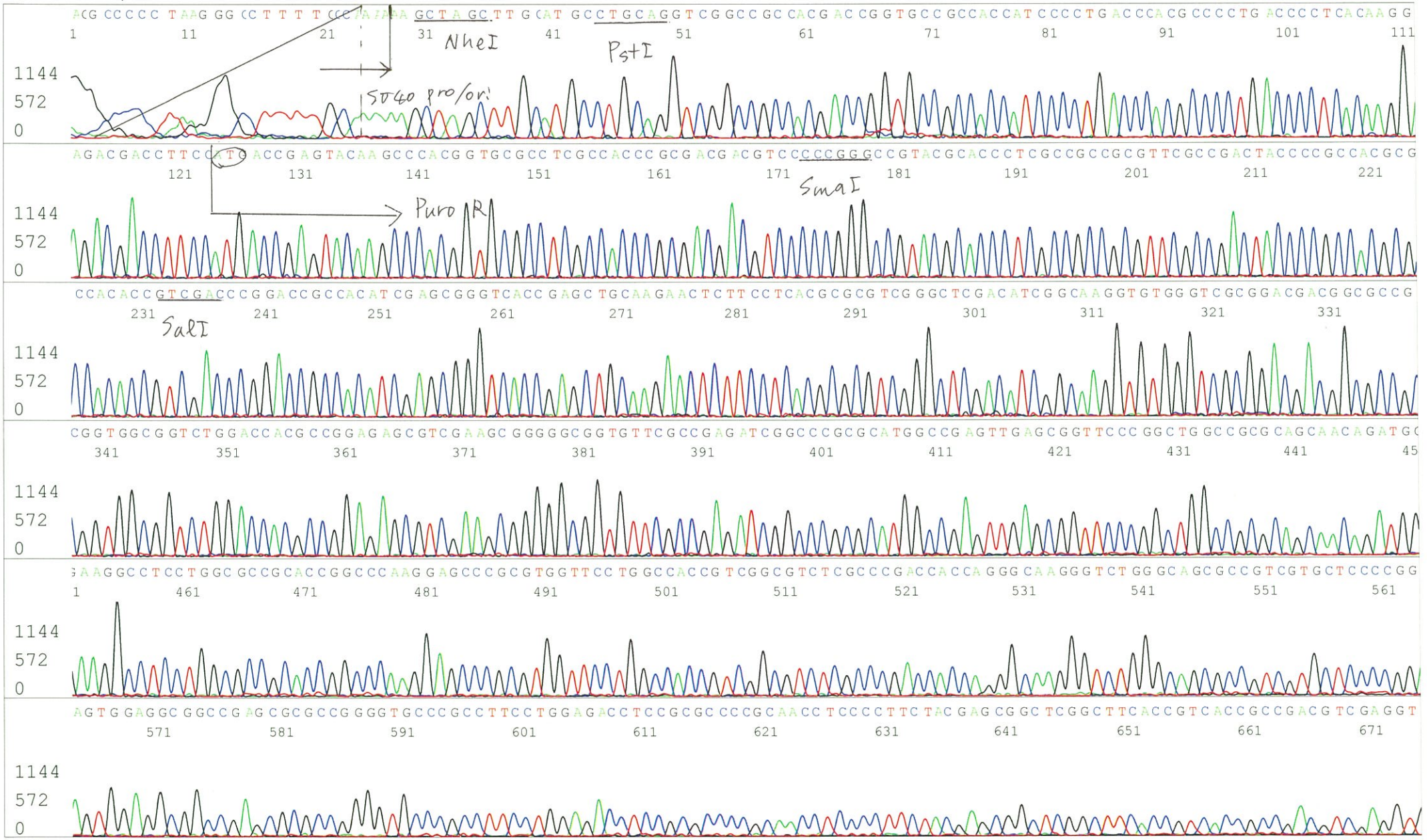
KB_3500_POP7_BDTv3.mob
Pts 1600 to 13681 Pk1 Loc:1600
Version 6.0 HiSQV Bases: 1026

Inst Model/Name 3500/3500 Instrument
Jan 08,2019 01:56PM, JST
Jan 08,2019 02:39PM, JST
Spacing:12.32 Pts/Panel1350
Plate Name: 20190108_mix

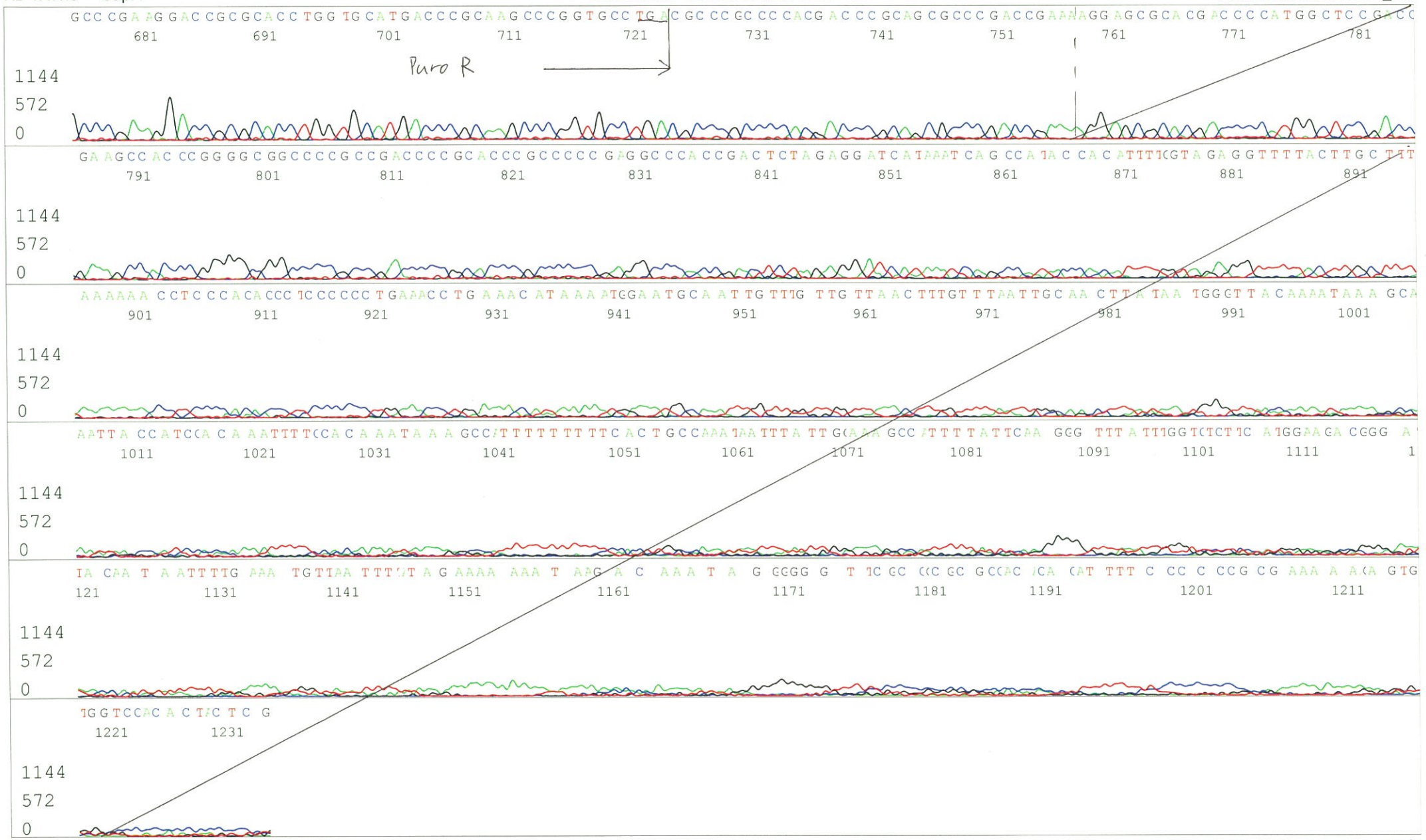
S/N G:21 A:18 T:16 C:28
KB.bcp
KB 1.4.1.8 Cap:4

primer name B : SV40pro_F_V2
5'- TCGGCCTCTGAGCTATTC-3'



Applied Biosystems

S/N G:21 A:18 T:16 C:28
KB.bcp
KB 1.4.1.8 Cap:4

12854_12854_A4lo_2_SV40pro_F_V2_B01_04_ABI24
12854_12854_A4lo_2_SV40pro_F_V2
KB_3500_POP7_BDTv3.mob
Pts 1600 to 13681 Pk1 Loc:1600
Version 6.0 HiSQV Bases: 1026

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