Thermus thermophilus HB8 expression plasmid

Gene Engineering Division
RIKEN BioResource Center

RIKEN_Clone_ID : TEx22F10 (PC010191-42)

Lot# : 7947_A4BI

Vector : pET-11a

Locus tag	TTHA0191
Insert size	882 bp
Product	-

● Plasmid DNA purification

Date : 140224

Culture : LB (100 ug/ml Ampicillin) 10 ml -> 37°C O/N

Date : 140225

Purification : QIAGEN Miniprep kit -> dH_2O 50 ul

● Digestion by restriction enzyme/Concentrarion calibration

Date : 140225

DNA concentration (O.D.): 82 ng/ul

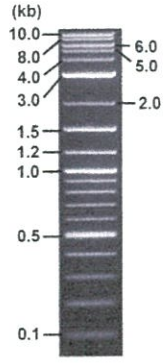
DNA	0.5 ul
Enzyme (BglII + EcoRI)	0.5 + 0.5 ul
Buffer H	1 ul
dH_2O	7.5 ul
Total	10 ul

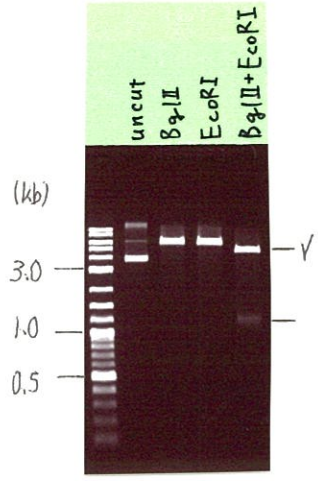
<Size of fragment expected from TEx22F10 >

BglII		6523 bp
EcoRI		6523 bp
BglII + EcoRI	5213	1310 bp

Erectrophoresis : 1% agarose gel, 1x TAE Buffer

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





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

Date : 140228

Shipping amount : 40 ul

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

DNA (82 ng/	39.0	ul
10x TE	12.8	ul
dH_2O	76.1	ul
Total	127.9	ul

APPROVED BY :

確認 14.2.28 笹沼

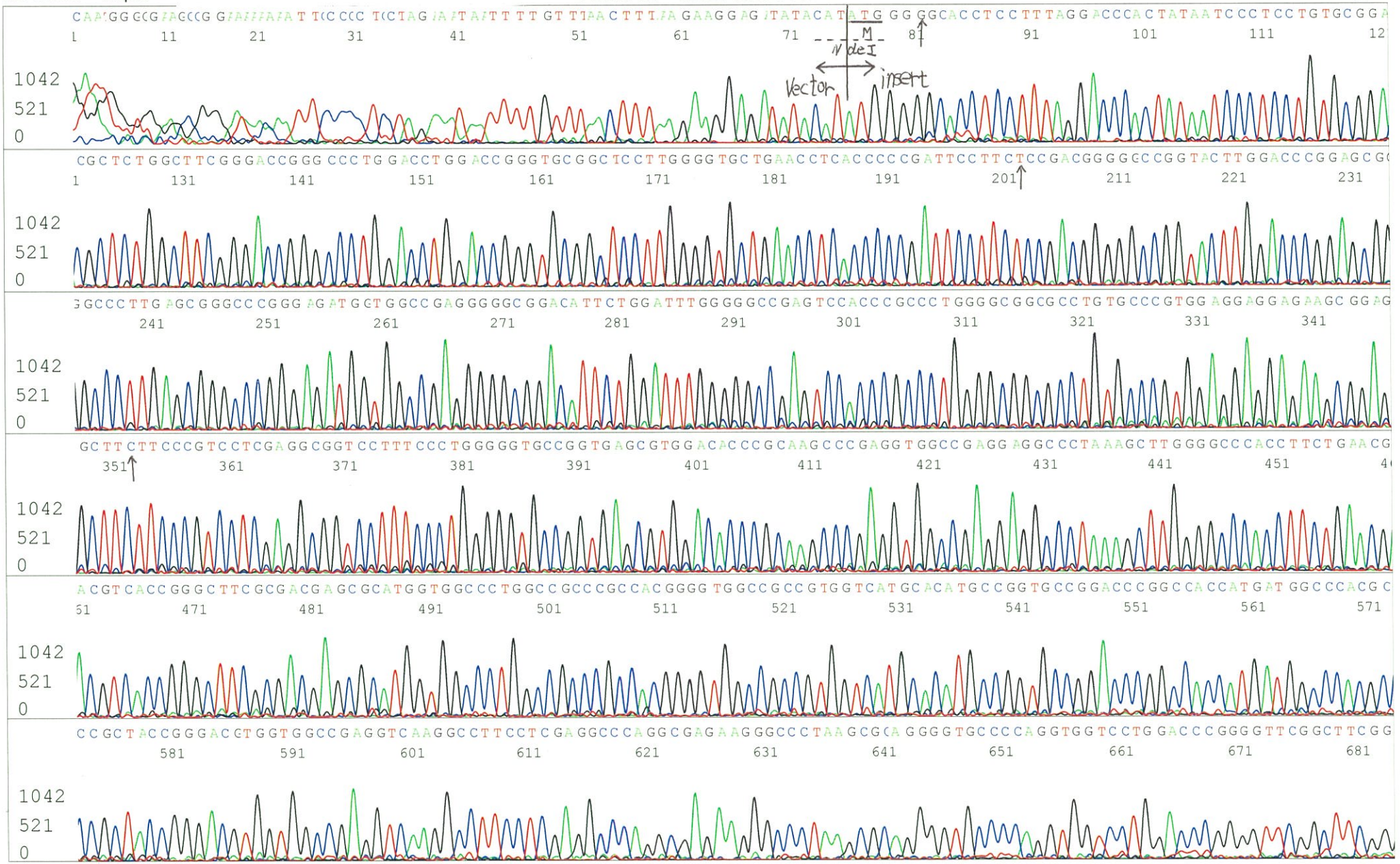
Applied Biosystems

S/N G:15 A:14 T:10 C:1
KB.bcp
KB 1.4.1.8 Cap:2

Primer A : T7 long
5' CGCCAAGCTCTAATACGACTCACTATAGGG 3'

7947_TEx22F10_A4BI_T7long_A05_02
7947 _TEx22F10_A4BI_T7long
KB_3500_POP7_BDTv3.mob
Pts 1405 to 13704 Pk1 Loc:1382
Version 5.4 HiSQV Bases: 987

Inst Model/Name 3500/3500 Instrument
Feb 26,2014 10:28AM, JST
Feb 26,2014 10:55AM, JST
Spacing:12.18 Pts/Panel1350
Plate Name: 20140226_mix



Applied Biosystems

S/N G:15 A:14 T:10 C:16
KB.bcp
KB 1.4.1.8 Cap:2

7947_TEx22F10_A4BI_T7long_A05_02
7947_TEx22F10_A4BI_T7long
KB_3500_POP7_BDTv3.mob
Pts 1405 to 13704 Pk1 Loc:1382
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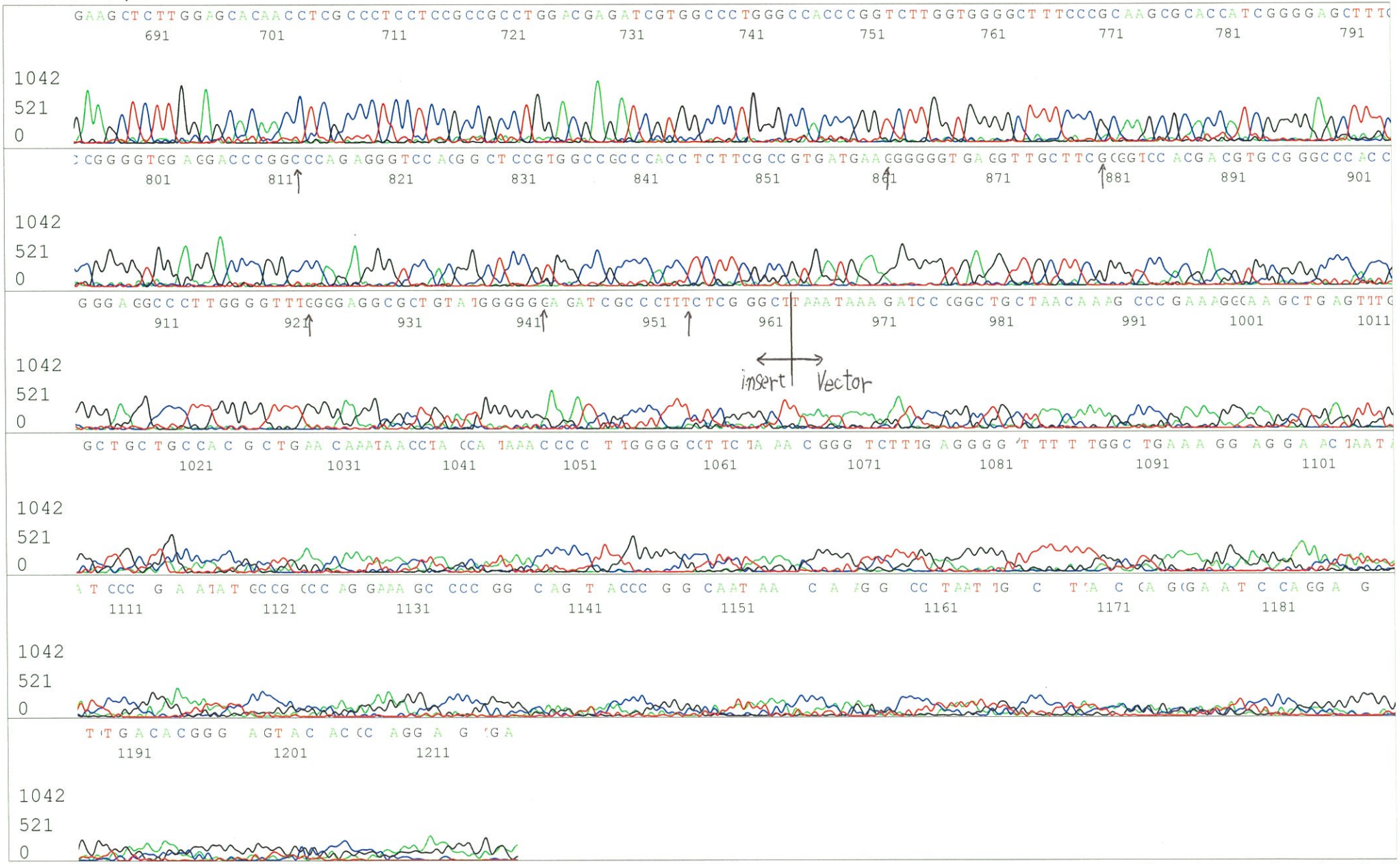

Applied Biosystems

S/N G:8 A:8 T:6 C:8
KB.bcp
KB 1.4.1.8 Cap:5

Primer B : T7 terminator

5' GCTAGTTATTGCTCAGCGG 3'

7947_TEx22F10_A4BI_T7terminator_B05_05
7947_TEx22F10_A4BI_T7terminator
KB_3500_POP7_BDTv3.mob
Pts 1381 to 13659 Pk1 Loc:1358
Version 5.4 HiSQV Bases: 980

Inst Model/Name 3500/3500 Instrument
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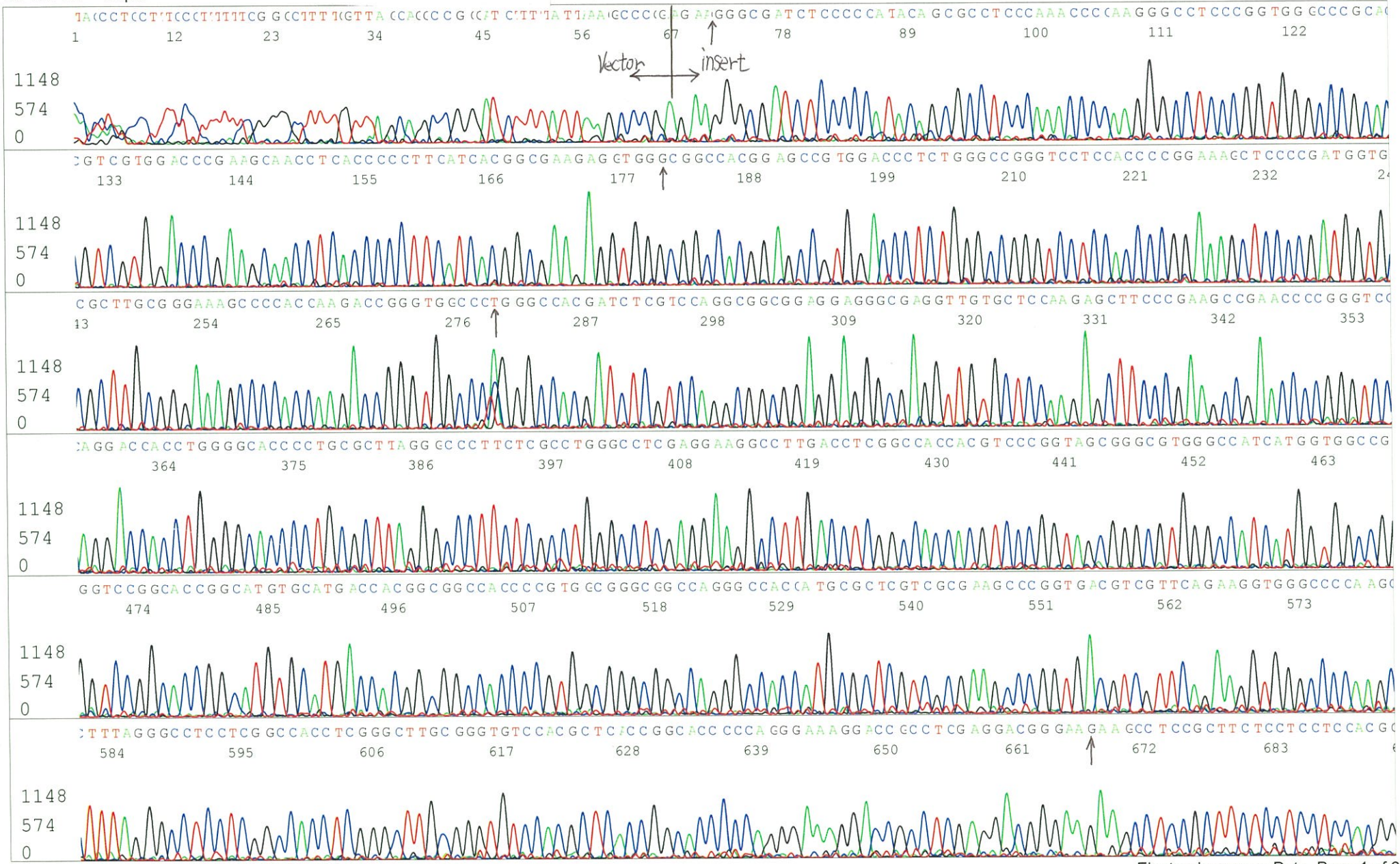
Plate Name: 20140226_mix



Applied Biosystems

S/N G:8 A:8 T:6 C:8
KB.bcp
KB 1.4.1.8 Cap:5

7947_TEx22F10_A4BI_T7terminator_B05_05
7947_TEx22F10_A4BI_T7terminator
KB_3500_POP7_BDTv3.mob
Pts 1381 to 13659 Pk1 Loc:1358
Version 5.4 HiSQV Bases: 980

Inst Model/Name 3500/3500 Instrument
Feb 26,2014 10:28AM, JST
Feb 26,2014 10:55AM, JST
Spacing:12.09 Pts/Panel1350
Plate Name: 20140226_mix

