S.pombe Entry clones

Gene Engineering Division
RIKEN BioResource Center

Lot # :5820_A3H1

RIKEN Clone ID : SpENT48B06

Vector : pDONR201

Systematic Name	SPAC17A5.16
ORF length	3255 bp

● Plasmid DNA purification

Date : 130801 Culture : LB (25 ug/ml Kanamycin) 5 ml -> 37°C O/N

Date : 130802 Purification : QIAGEN Miniprep kit -> dH_2O 100 ul

● Digestion by restriction enzyme/Concentrarion calibration

Date : 130802

DNA concentration (O.D.): 168 ng/ul

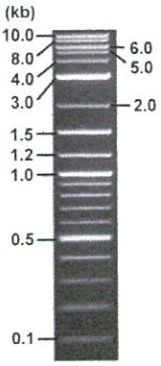
DNA	0.3 ul
Enzyme (PstI + HincII)	0.5 + 0.5 ul
Buffer H	1 ul
dH_2O	7.7 ul
Total	10 ul

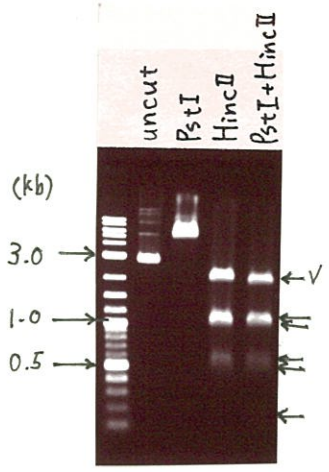
<Size of fragment expected from SpENT48B06 >

PstI	5495 bp
HincII	2147, 1118, 1099, 600, 531bp
PstI + HincII	2020, 1118, 1099, 600, 531, 127 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 : 130808

Shipping amount : 40 ul

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

DNA (168 ng/ul)	80.0 ul
10x TE	53.8 ul
dH_2O	403.8 ul
Total	537.6 ul

APPROVED BY :

確認 DNA 13.8.08 笹沼

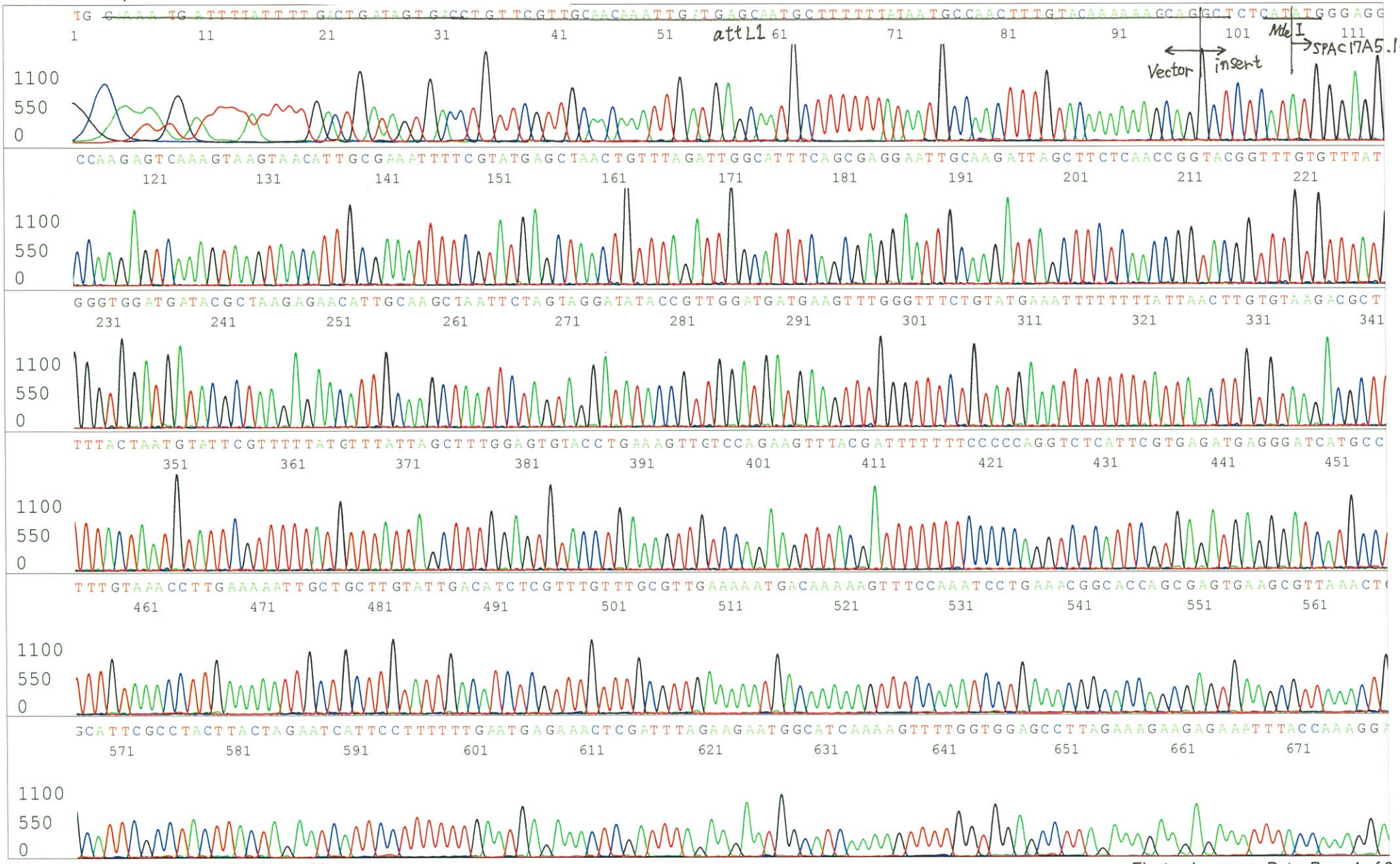
Applied Biosystems

S/N G:415 A:317 T:321 (
KB.bcp
KB 1.4.1.8 Cap:20

Primer A : pDONR-F
5' TCGCGTTAACGCTAGCATGGATCTC 3'

5820_SpENT48B06_A3H1_pDONR_F_G05_20
5820_SpENT48B06_A3H1_pDONR_F
KB_3500_POP7_BDTv3.mob
Pts 1386 to 13281 Pk1 Loc:1363
Version 5.4 HiSQV Bases: 1049

Inst Model/Name 3500/3500 Instrument
Aug 06,2013 02:48PM, JST
Aug 06,2013 03:15PM, JST
Spacing:11.86 Pts/Panel1350
Plate Name: 20130806_mix

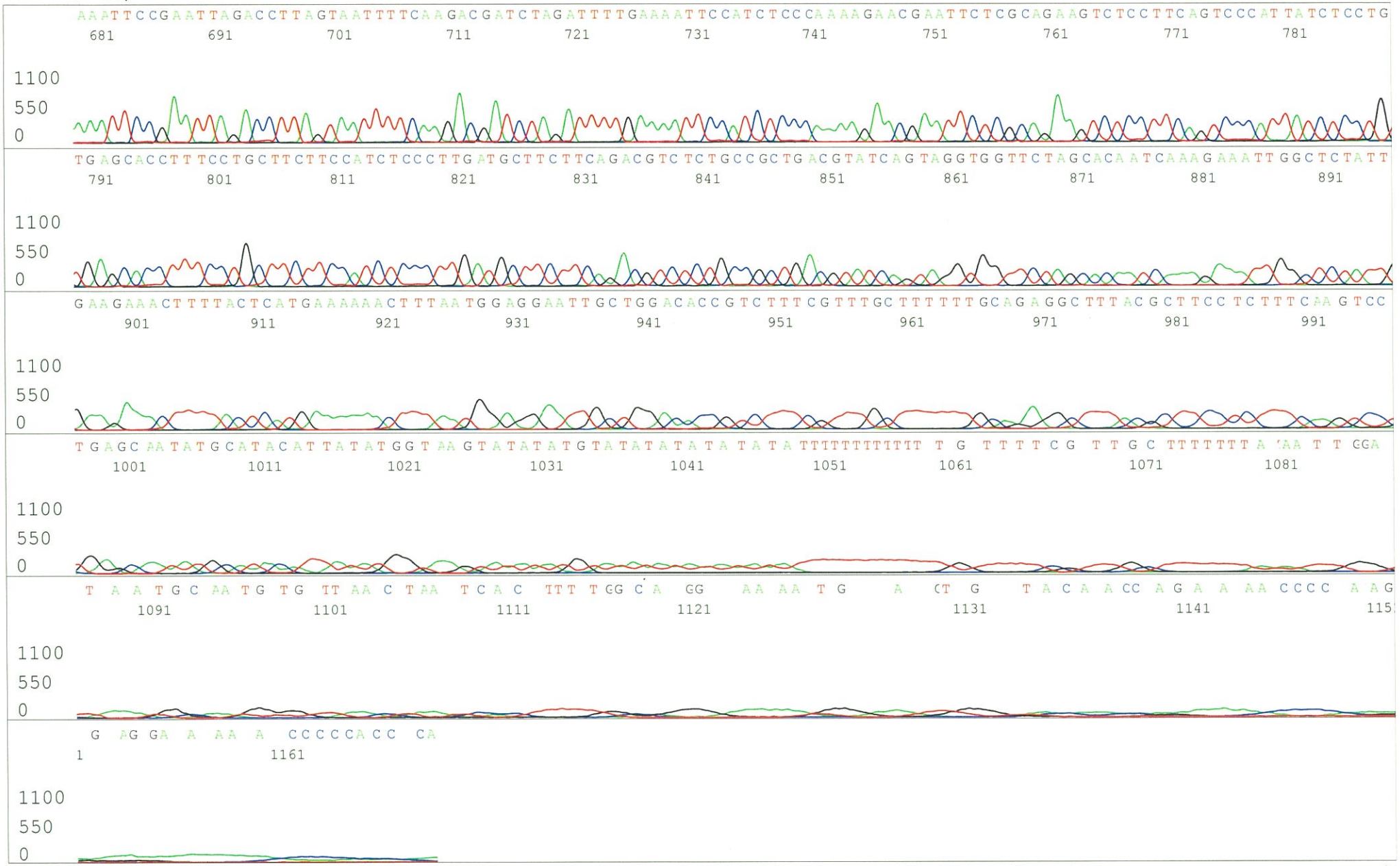


Applied Biosystems

S/N G:415 A:317 T:321 C:216
KB.bcp
KB 1.4.1.8 Cap:20

5820_SpENT48B06_A3H1_pDONR_F_G05_20
5820_SpENT48B06_A3H1_pDONR_F
KB_3500_POP7_BDTv3.mob
Pts 1386 to 13281 Pk1 Loc:1363
Version 5.4 HiSQV Bases: 1049

Inst Model/Name 3500/3500 Instrument
Aug 06,2013 02:48PM, JST
Aug 06,2013 03:15PM, JST
Spacing:11.86 Pts/Panel1350
Plate Name: 20130806_mix



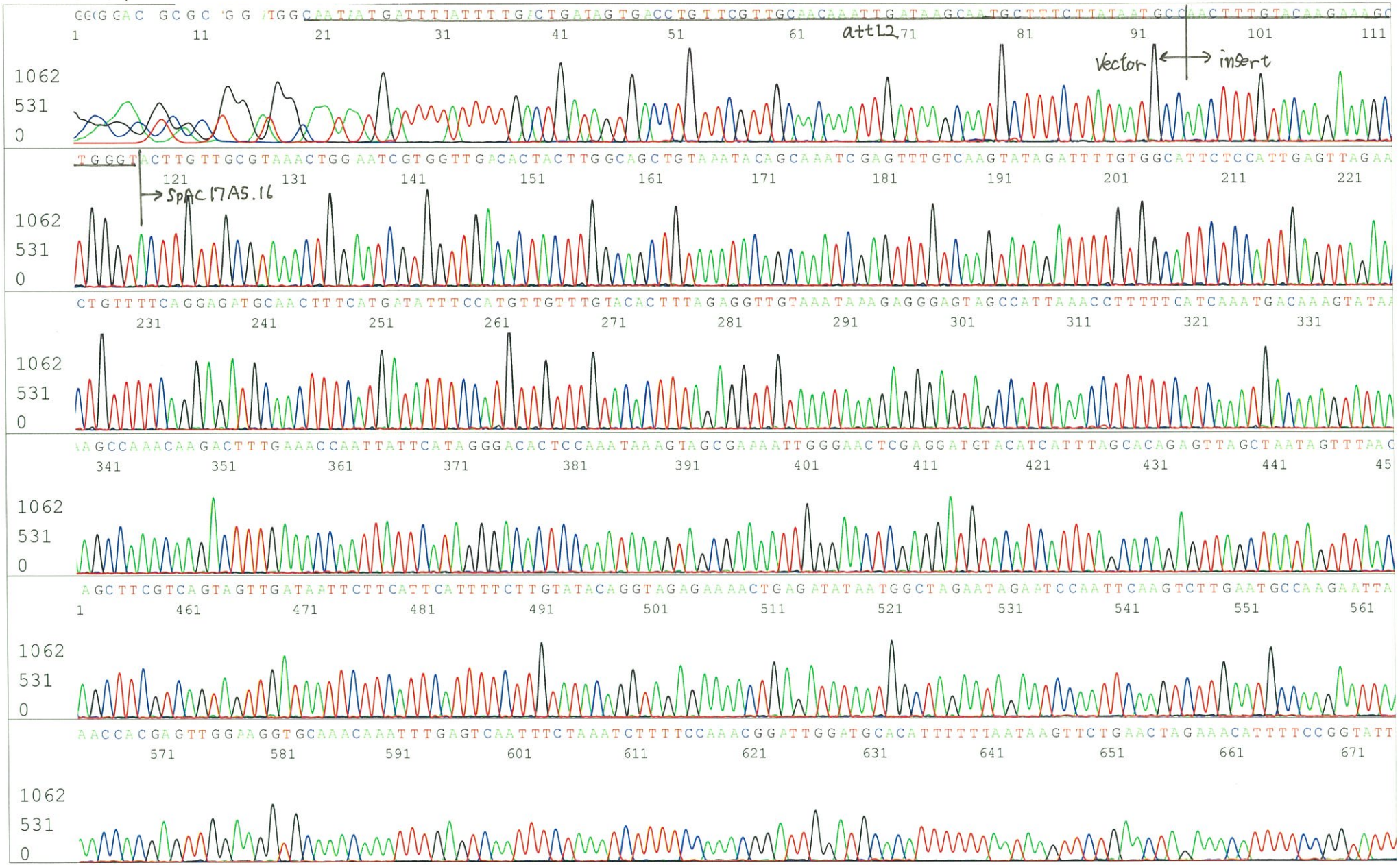
Applied Biosystems

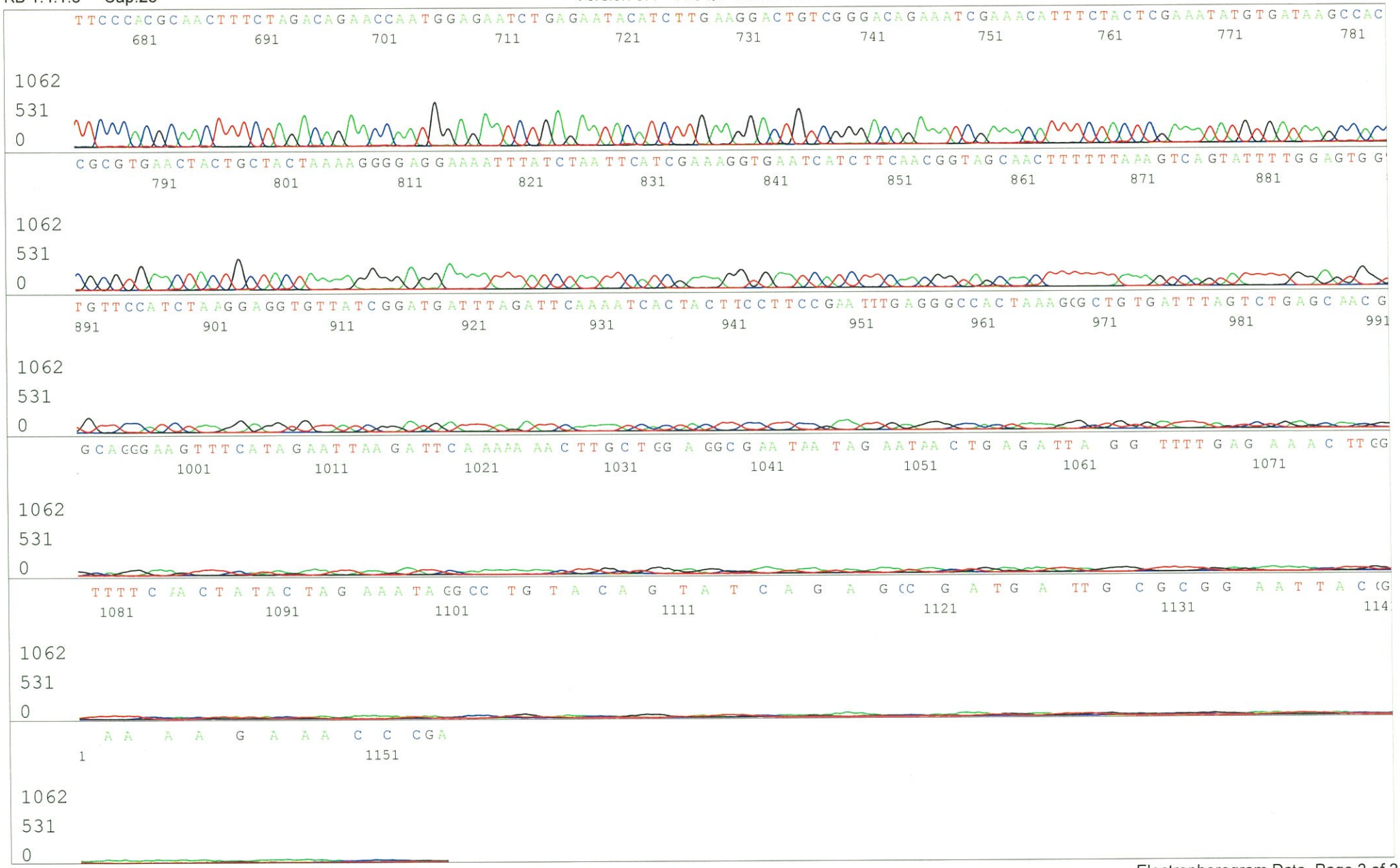
S/N G:276 A:278 T:210
KB.bcp
KB 1.4.1.8 Cap:23

Primer B : pDONR-R
5' GTAACATCAGAGATTTTGAGACAC 3'

5820_SpENT48B06_A3H1_pDONR_R_H05_23
5820_SpENT48B06_A3H1_pDONR_R
KB_3500_POP7_BDTv3.mob
Pts 1401 to 13165 Pk1 Loc:1378
Version 5.4 HiSQV Bases: 1041

Inst Model/Name 3500/3500 Instrument
Aug 06,2013 02:48PM, JST
Aug 06,2013 03:15PM, JST
Spacing:11.71 Pts/Panel1350
Plate Name: 20130806_mix




TTCCCACGCAACTTTCTAGACAGAACCAATGGAGAATCTGAGAATACATCTTGAAGGACTGTCGGGACAGAAATCGAAACATTTCTACTCGAAATATGTGATAAGCCAC
681 691 701 711 721 731 741 751 761 771 781
1062
531
0
CGCGTGAACTACTGCTACTAAAAGGGGAGGAAAATTTATCTAATTCATCGAAAGGTGAATCATCTTCAACGGTAGCAACTTTTTTTAAAGTCAGTATTTTGGAGTGG
791 801 811 821 831 841 851 861 871 881
1062
531
0
TGTTCCATCTAAGGAGGTGTTATCGGATGATTTAGATTCAAAATCACTACTTCCTTCCGAATTTGAGGGCCACTAAAGCGCTGTGATTTAGTCTGAGCAACG
891 901 911 921 931 941 951 961 971 981 991
1062
531
0
GCACGGAAGTTTCATAGAATTAAGATTCAAAAAACTTGCTCGGAGGCGAATAATAGAATAACTGAGATTAGGTTTTGAGAAACTTCG
1001 1011 1021 1031 1041 1051 1061 1071
1062
531
0
TTTTCAACTATACTAGAAATAGGCCTGTACAGTATCAAGAGCCGATGATTGCGCGGAATTAC
1081 1091 1101 1111 1121 1131 114
1062
531
0
AAAAGAAACCCGA
1 1151
1062
531
0