Thermus thermophilus HB8 expression plasmid

Gene Engineering Division
RIKEN BioResource Center

RIKEN Clone ID : TEx10F06 (PC010346-41)

Lot# : 6078_A7Bd

Vector : pET-11a

Locus tag	TTHA0346
Insert size	447 bp
Product	peptidyl-prolyl cis-trans isomerase

● Plasmid DNA purification

Date : 170213

Culture : LB (100 ug/ml Ampicillin) 5 ml -> 37°C O/N

Date : 170214

Purification : QIAGEN Miniprep kit -> dH_2O ~~50~~ 70 ul

● Digestion by restriction enzyme/Concentrarion calibration

Date : 170214

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

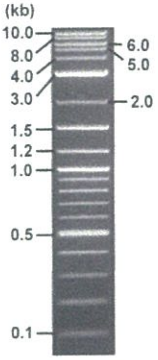
DNA	1 ul
Enzyme (BglII + EcoRI)	0.5 + 0.5 ul
Buffer H	1 ul
dH_2O	7 ul
Total	10 ul

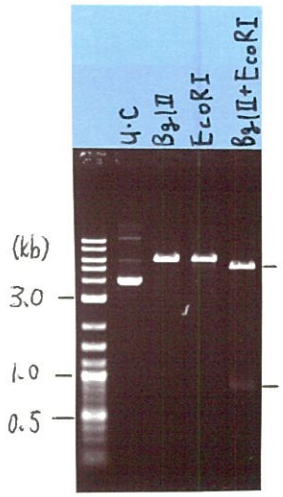
< Size of fragment expected from this clone >

BglII		6.1 kb
EcoRI		6.1 kb
BglII + EcoRI	5.2	0.88 kb

Erectrophoresis : 1% agarose gel, 1x TAE Buffer

Marker : 2-Log DNA Ladder





● Adjust plasmid DNA solution to 25 ng/ul

Date : 170217

DNA (82 ng/ul)	54.0 ul
10x TE	17.7 ul
dH_2O	105.4 ul
Total	177.1 ul

● Shipping

☑ Conc. : 25 ng/μl, Volume : 40 μl

☐ Conc. : ng/μl, Volume : μl

APPROVED BY :

確認 17.2.16 笹沼

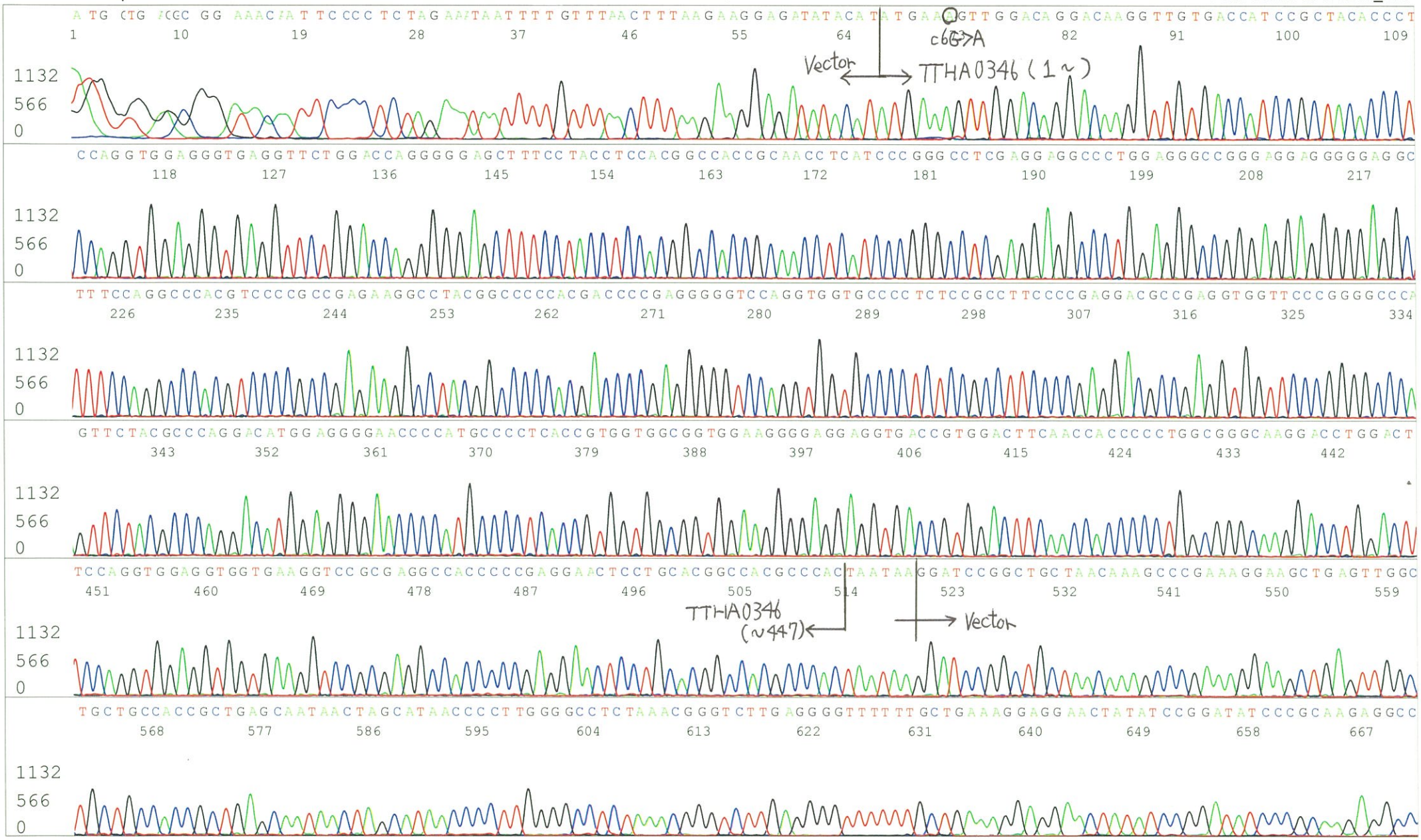
Applied Biosystems

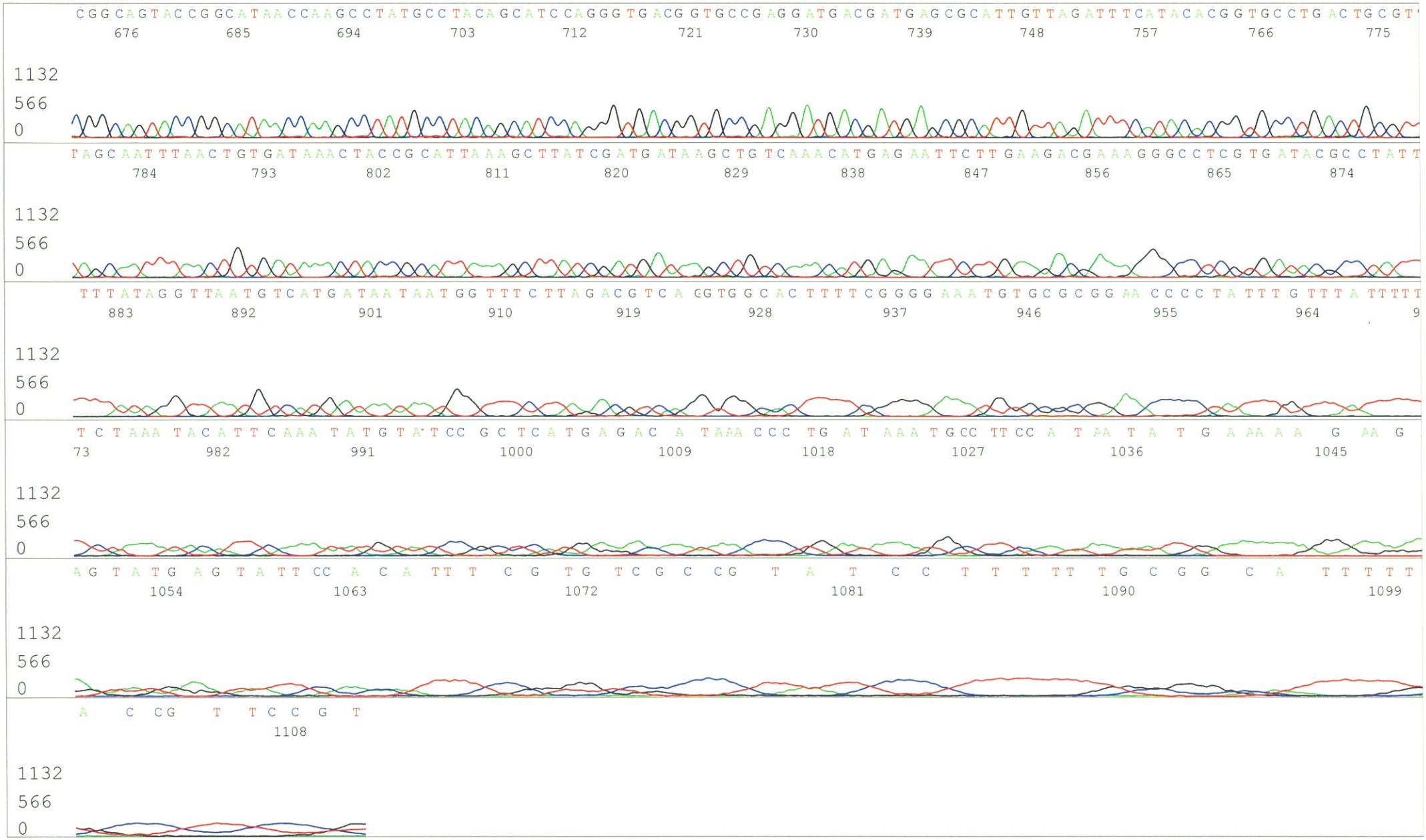
S/N G:117 A:156 T:109 C:16
KB.bcp
KB 1.4.1.8 Cap:14

Primer A : T7 long
5' CGCCAAGCTCTAATACGACTCACTATAGGG 3'

6078_TEx10F06_A7Bd_T7long_E08_14_ABI24
6078_TEx10F06_A7Bd_T7long
KB_3500_POP7_BDTv3.mob
Pts 1503 to 13026 Pk1 Loc:1480
Version 6.0 HiSQV Bases: 998

Inst Model/Name 3500/3500 Instrument
Feb 15,2017 01:02PM, JST
Feb 15,2017 01:29PM, JST
Spacing:11.61 Pts/Panel1350
Plate Name: 20170215_GNP




CGGCAGTACCGGCATAACCAAGCCTATGCCTACAGCATCCAGGGTGACGGTGCCGAGGATGACGATGAGCGCATTGTTAGATTTCATACACGGTGCCTGACTGCGT
676 685 694 703 712 721 730 739 748 757 766 775
1132
566
0
TAGCAATTTAACTGTGATAAACTACCGCATTAAAGCTTATCGATGATAAGCTGTCAAACATGAGAATTCTTGAAGACGAAAGGGCCTCGTGATACGCCTATTT
784 793 802 811 820 829 838 847 856 865 874
1132
566
0
TTTATAGGTTAATGTCATGATAATAATGGTTTCTTAGACGTCAGGTGGCACTTTTCGGGGAAATGTGCGCGGAACCCCTATTTGTTTATTTTTT
883 892 901 910 919 928 937 946 955 964
1132
566
0
TCTAAATACATTCAAATATGTATCCGCTCATGAGACAATAAACCCTGATAAATGCCTTCCATAATATGAAAAAGAA
73 982 991 1000 1009 1018 1027 1036 1045
1132
566
0
AGTATGAGTATTCCACAATTTCGTGTCGCCGTATCCTTTTTTGCGGCAATTTTT
1054 1063 1072 1081 1090 1099
1132
566
0
ACCGTTCCGT
1108
1132
566
0

Applied Biosystems

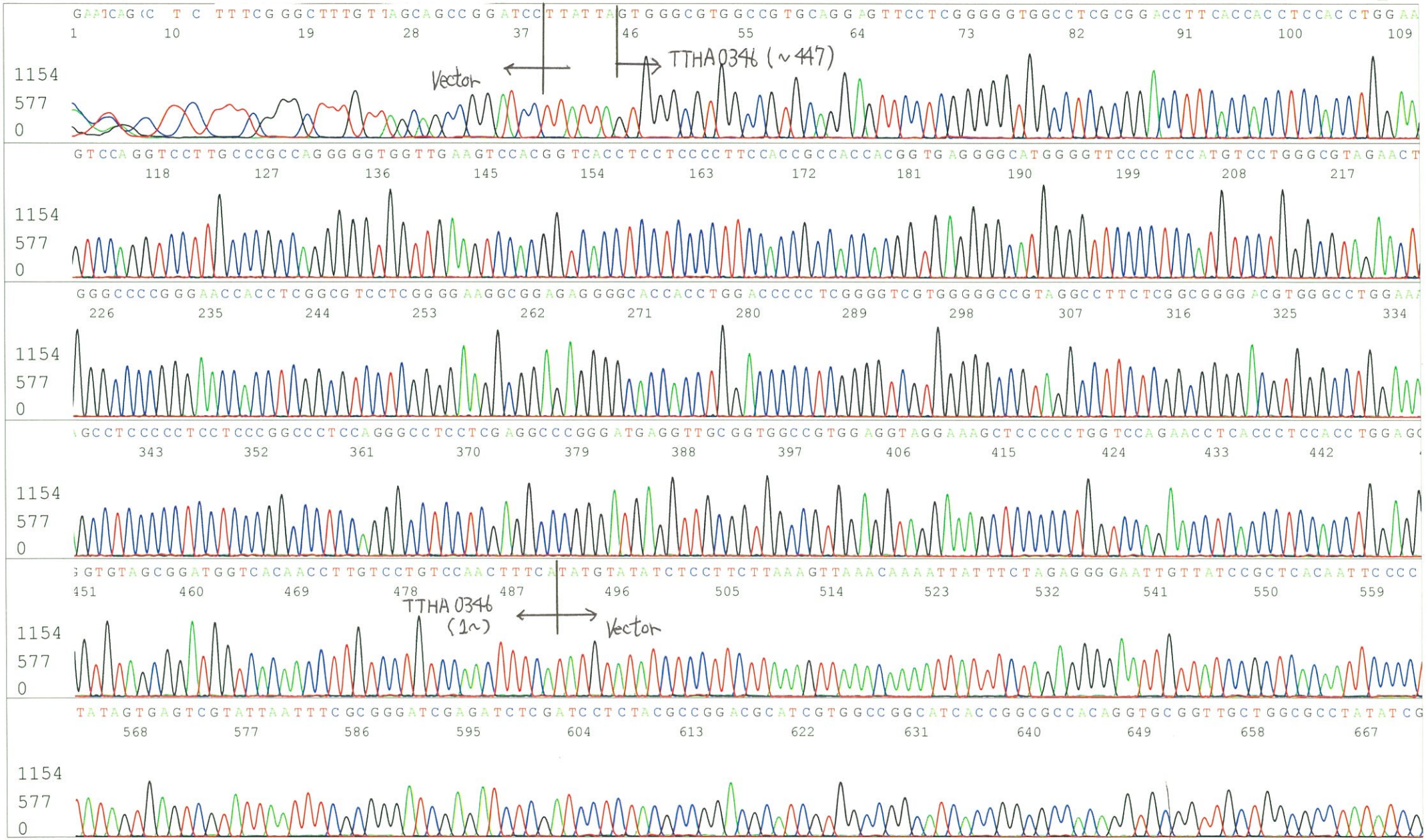
S/N G:199 A:254 T:240 C:369
KB.bcp
KB 1.4.1.8 Cap:17

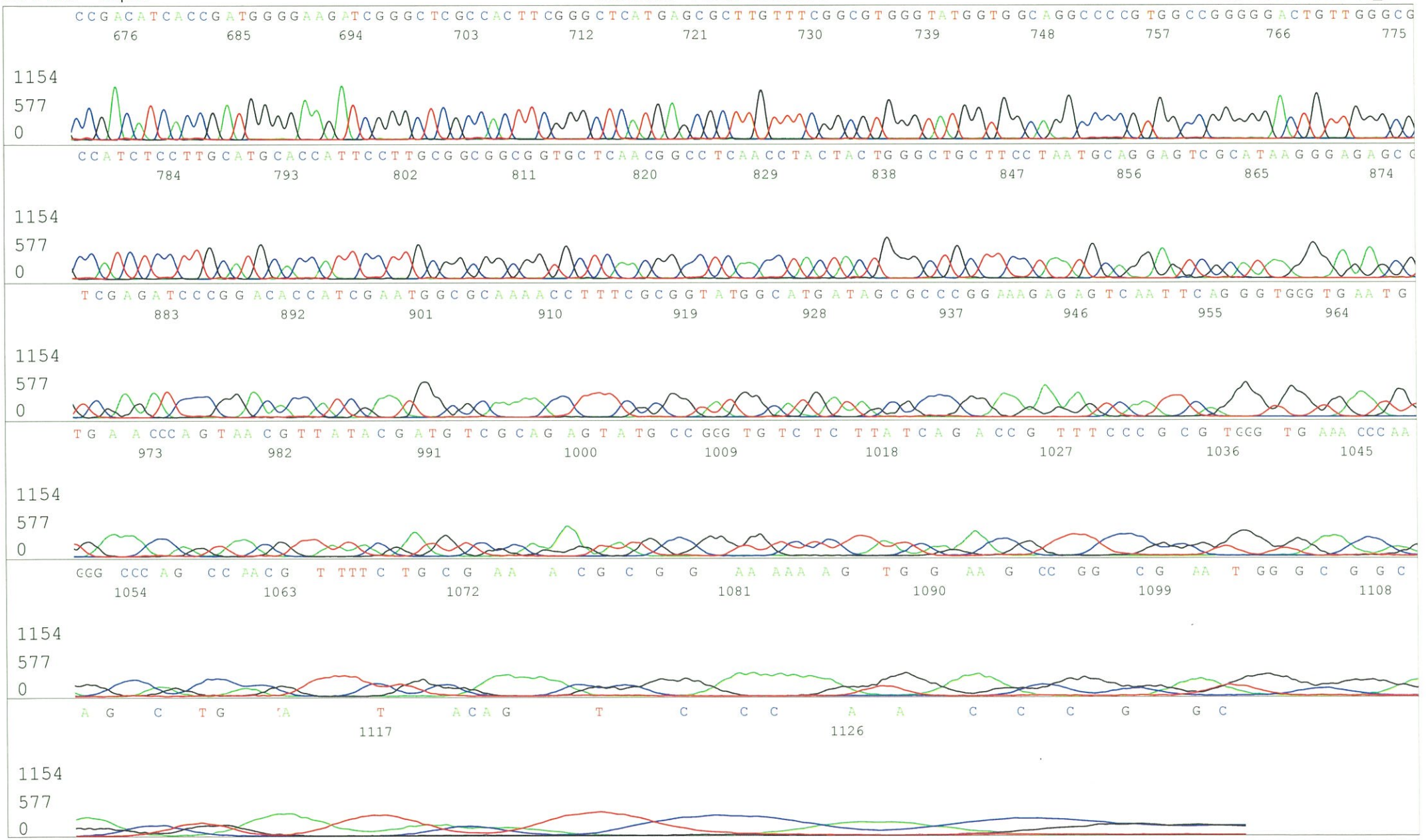
Primer B : T7 terminator

5' GCTAGTTATTGCTCAGCGG 3'

6078_TEx10F06_A7Bd_T7terminator_F08_17_ABI24
6078_TEx10F06_A7Bd_T7terminator
KB_3500_POP7_BDTv3.mob
Pts 1510 to 13098 Pk1 Loc:1487
Version 6.0 HiSQV Bases: 978

Inst Model/Name 3500/3500 Instrument
Feb 15,2017 01:02PM, JST
Feb 15,2017 01:29PM, JST
Spacing:11.64 Pts/Panel1350
Plate Name: 20170215_GNP




CCGACATCACCGATGGGGAAGATCGGGCTCGCCACTTCGGGCTCATGAGCGCTTGTTTCGGCGTGGGTATGGTGGCAGGCCCCGTGGCCGGGGGACTGTTGGGCG
676 685 694 703 712 721 730 739 748 757 766 775
1154
577
0
CCATCTCCTTGCATGCACCATTCCTTGCGGCGGCGGTGCTCAACGGCCTCAACCTACTACTGGGCTGCTTCCTAATGCAGGAGTCGCATAAGGGAGAGC
784 793 802 811 820 829 838 847 856 865 874
1154
577
0
TCGAGATCCCGGACACCATCGAATGGCGCAAAACCTTTCGCGGTATGGCATGATAGCGCCCGGAAAGAGAGTCAATTCAGGGTGCGTGAATG
883 892 901 910 919 928 937 946 955 964
1154
577
0
TGAACCCAGTAACGTTATACGATGTCGCAGAGTATGCCGCGTGTCTCTTATCAGACCGTTTCCCGCGTGCGTGAAACCCAA
973 982 991 1000 1009 1018 1027 1036 1045
1154
577
0
CGG CCCAG CCAACG TTTTC TGCG AA ACGCG AA AAAAG TGG AA G CC GG CG AA T GG G C G G C
1054 1063 1072 1081 1090 1099 1108
1154
577
0
AG C TG TA T ACAG T C C C A A C C C G G C
1117 1126
1154
577
0