Thermus thermophilus HB8 expression plasmid

Gene Engineering Division
RIKEN BioResource Center

RIKEN Clone ID : TEx22A07 (PC011561-42)

Lot# : 7947_A6Gj

Vector : pET-11a

Locus tag	TTHA1561
Insert size	297 bp
Product	-

● Plasmid DNA purification

Date : 2016. 07. 19 Culture : LB (100 ug/ml Ampicillin) 10 ml -> 37℃ O/N

Date : 2016. 07. 20 Purification : QIAGEN Miniprep kit -> dH_2O 50 ul

● Digestion by restriction enzyme/Concentrarion calibration

Date : 2016. 07. 20

DNA concentration (O.D.): 125 ng/ul

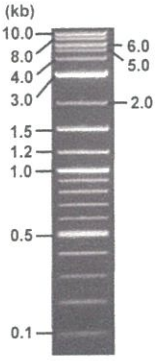
DNA	0.7 ul
Enzyme (BglII + EcoRI)	0.5 + 0.5 ul
Buffer H	1 ul
dH_2O	7.3 ul
Total	10 ul

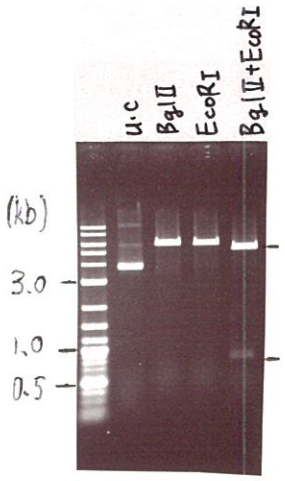
< Size of fragment expected from this clone >

BglII		5.9 kb
EcoRI		5.9 kb
BglII + EcoRI	5.2	0.73 kb

Erectrophoresis : 1% agarose gel, 1x TAE Buffer

Marker : 2-Log DNA Ladder





● Adjust plasmid DNA solution to 25 ng/ul

Date : 2016. 07. 25

DNA (125 ng/ul)	43.0 ul
10x TE	21.5 ul
dH_2O	150.5 ul
Total	215.0 ul

● Shipping

Conc. : 25 ng/μl, Volume : 40 μl

Conc. : ng/μl, Volume : μl

APPROVED BY :

確認 16.7.25 笹沼

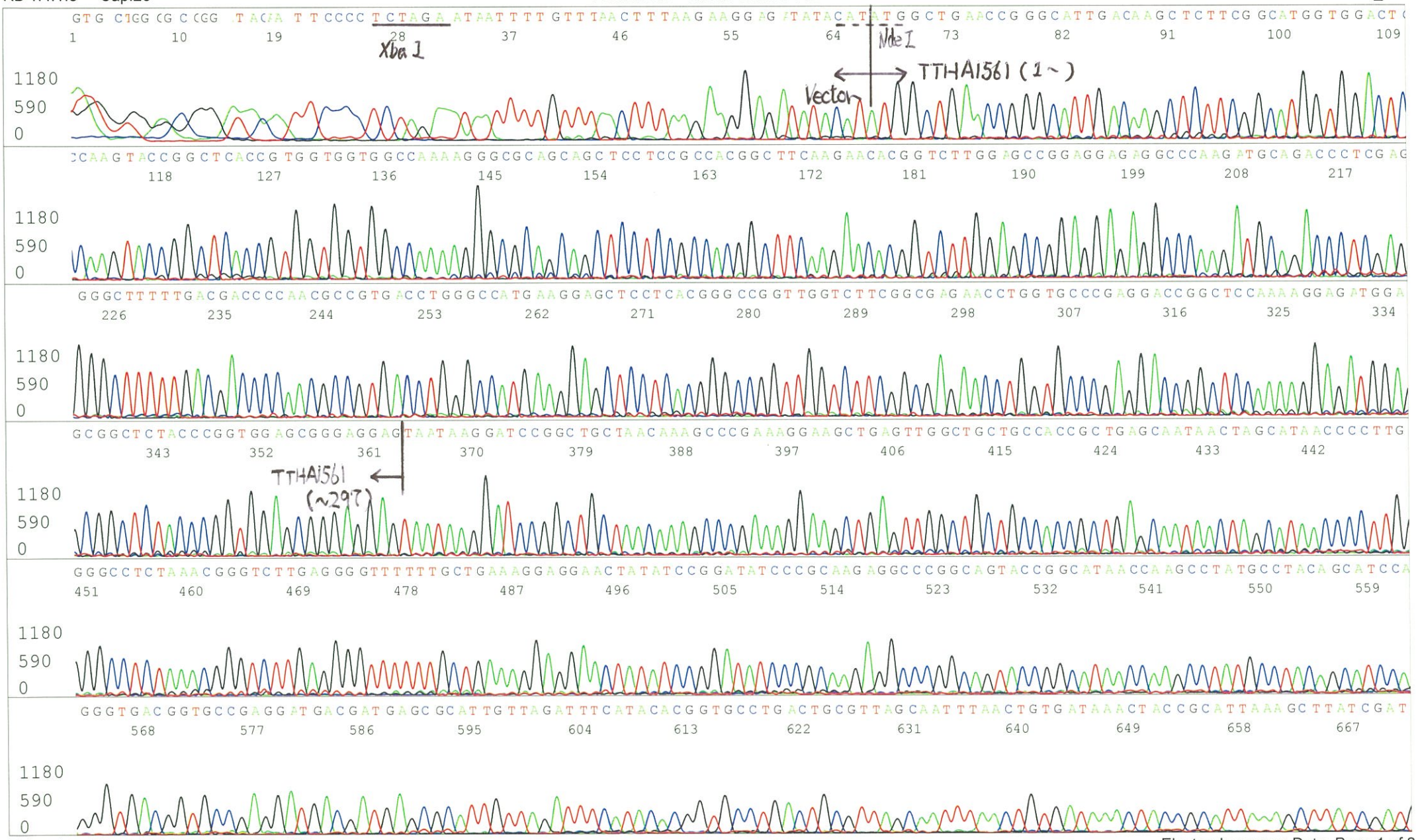
Applied Biosystems

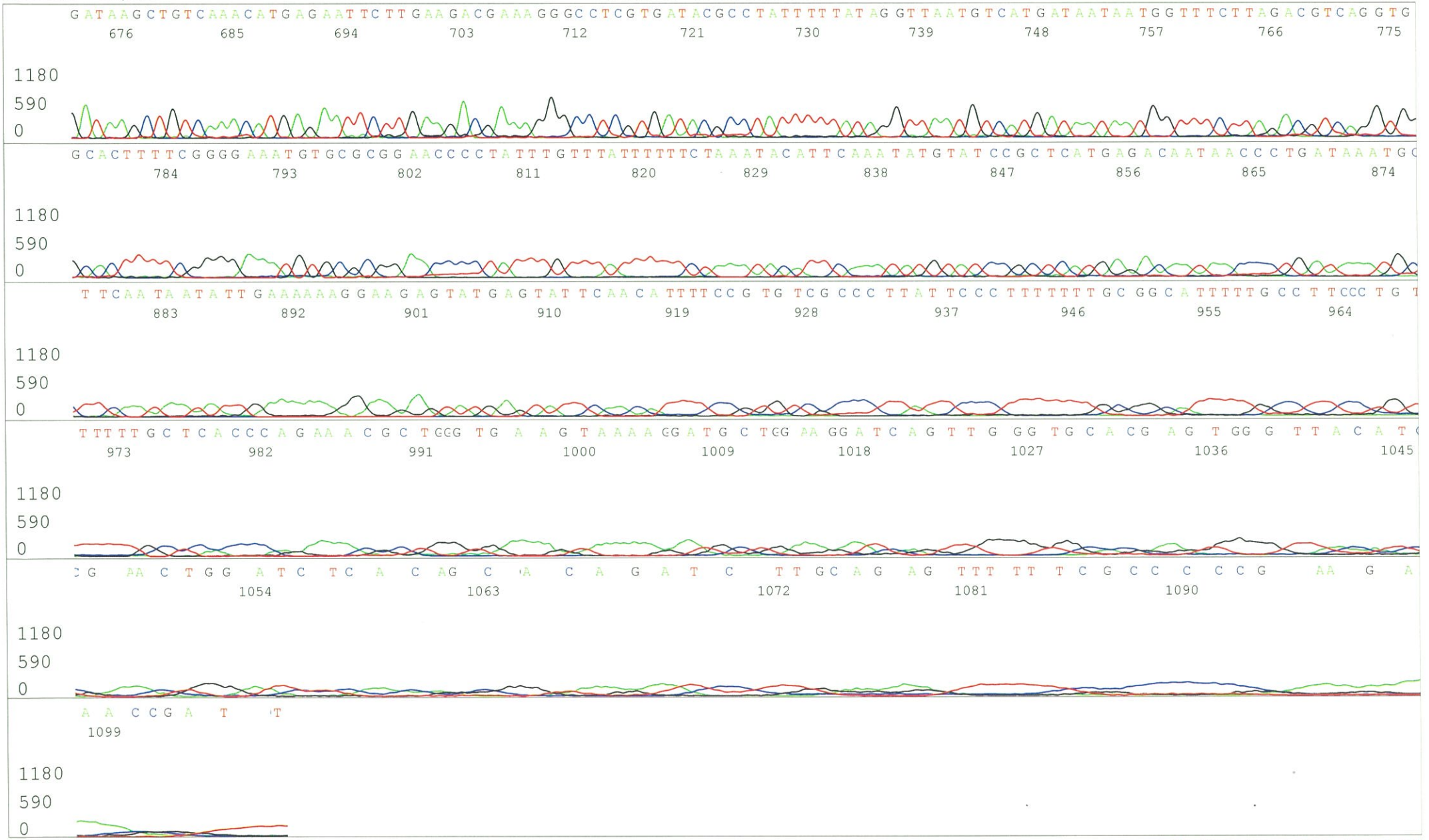
S/N G:177 A:149 T:137 C:187 Primer A : T7 long
KB.bcp
KB 1.4.1.8 Cap:20

5' CGCCAAGCTCTAATACGACTCACTATAGGG 3'

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7947_TEx22A07_A6Gj_T7long
KB_3500_POP7_BDTv3.mob
Pts 1502 to 12551 Pk1 Loc:1479
Version 6.0 HiSQV Bases: 962

Inst Model/Name 3500/3500 Instrument
Jul 21,2016 03:35PM, JST
Jul 21,2016 04:13PM, JST
Spacing:11.21 Pts/Panel1350
Plate Name: 20160722_mix




GATAAGCTGTCAAACATGAGAATTCTTGAAGACGAAAGGGCCTCGTGATACGCCTATTTTTATAGGTTAATGTCATGATAATAATGGTTTCTTAGACGTCAGGTG
676 685 694 703 712 721 730 739 748 757 766 775
1180
590
0
GCACTTTTCGGGGAAATGTGCGCGGAACCCCCTATTTGTTTATTTTTTCTAAATACATTCAAATATGTATCCGCTCATGAGACAATAACCCTGATAAATGC
784 793 802 811 820 829 838 847 856 865 874
1180
590
0
TTCAATAATATTGAAAAAAGGAAGAGTATGAGTATTCAACATTTTCCGTGTCGCCCTTATTCCCTTTTTTTGCGGCATTTTTGCCTTCCCTGT
883 892 901 910 919 928 937 946 955 964
1180
590
0
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973 982 991 1000 1009 1018 1027 1036 1045
1180
590
0
CGAACTGGAATCTCACAGCAACAGATCTTGCAGAGTTTTTCGCCCCCGAAGA
1054 1063 1072 1081 1090
1180
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Applied Biosystems

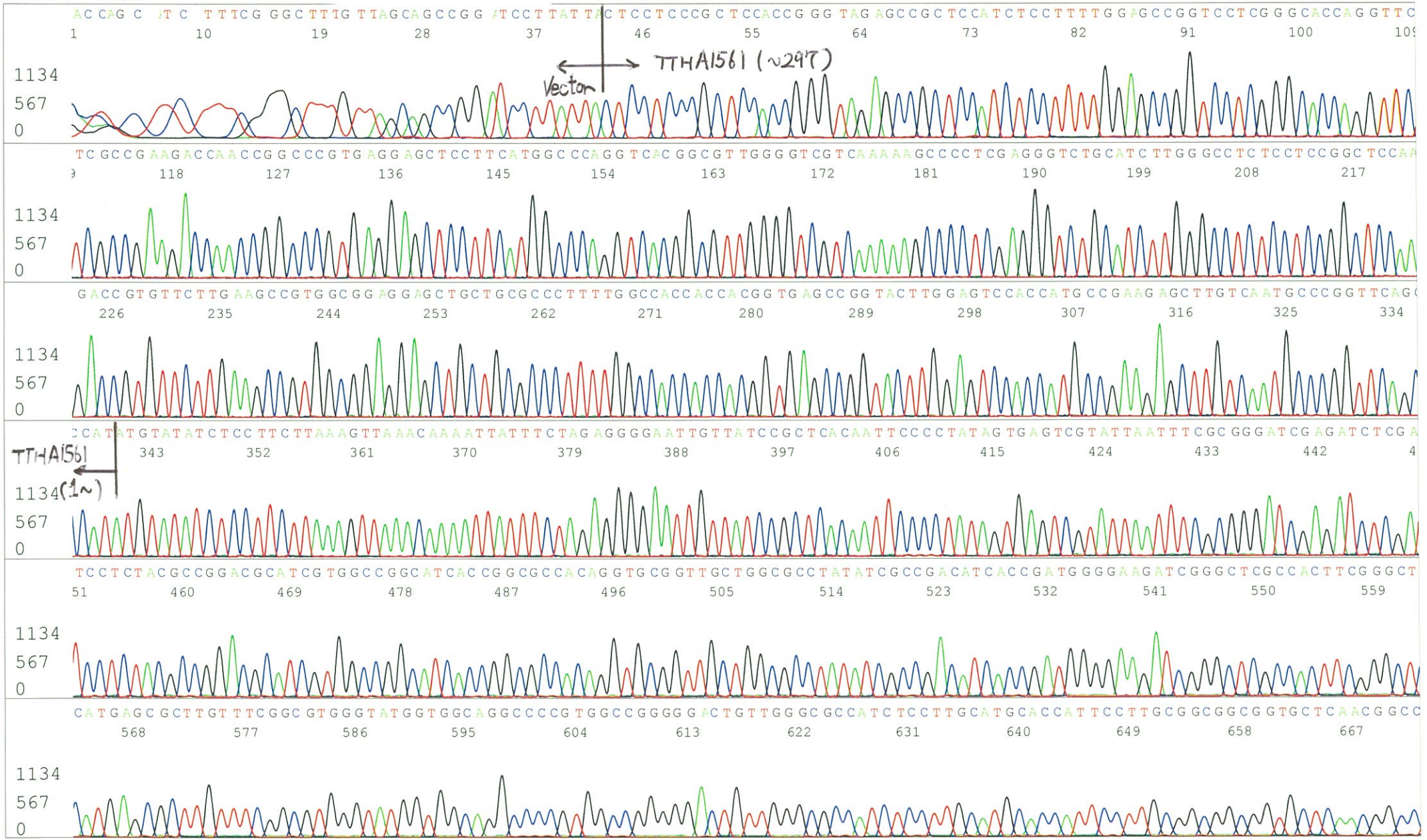
S/N G:538 A:395 T:476 C:765
KB.bcp
KB 1.4.1.8 Cap:23

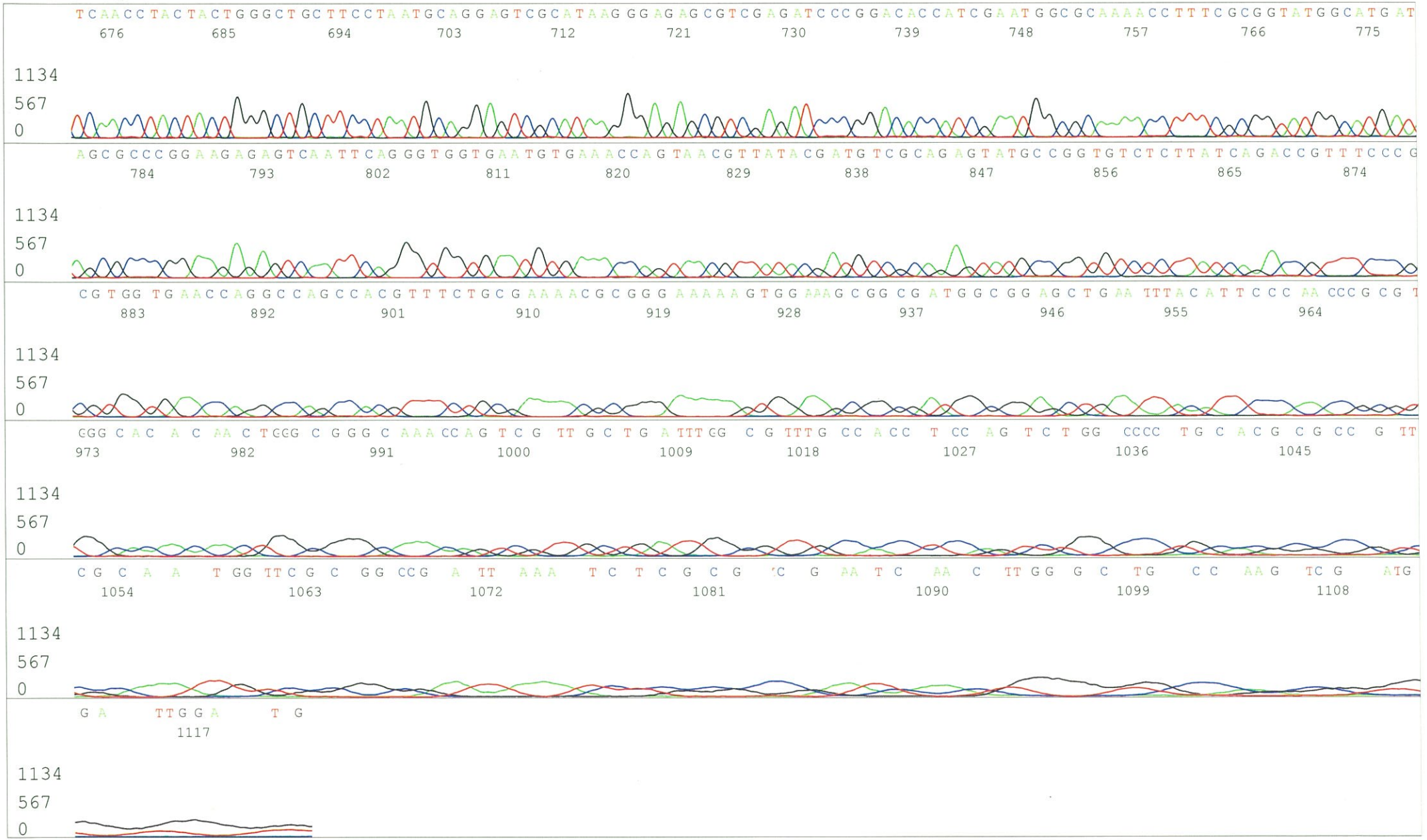
Primer B : T7 terminator

5' GCTAGTTATTGCTCAGCGG 3'

7947_TEx22A07_A6Gj_T7terminator_H11_23
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Pts 1521 to 12661 Pk1 Loc:1498
Version 6.0 HiSQV Bases: 964

Inst Model/Name 3500/3500 Instrument
Jul 21,2016 03:35PM, JST
Jul 21,2016 04:13PM, JST
Spacing:11.09 Pts/Panel1350
Plate Name: 20160722_mix




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676 685 694 703 712 721 730 739 748 757 766 775
1134
567
0
AGCGCCCGGAAGAGAGTCAATTCAGGGTGGTGAATGTGAAACCAGTAACGTTATACGATGTCGCAGAGTATGCCGGTGTCTCTTATCAGACCGTTTCCCG
784 793 802 811 820 829 838 847 856 865 874
1134
567
0
CGTGGTGAACCAGGCCAGCCACGTTTCTGCGAAAACGCGGGAAAAAGTGGAAAGCGGCGATGGCGGAGCTGAATTTACATTCCCAACCCGCGT
883 892 901 910 919 928 937 946 955 964
1134
567
0
GGGCAC AC AA CTCGG C GGGC AAACCAGTCG TT GCTG ATTTGG C GTTTG CC ACC T CC AG TCT GG CCCC TGCACG CG CC G TT
973 982 991 1000 1009 1018 1027 1036 1045
1134
567
0
CGC AA T GG TTCG C GG CCG A TT AAA T C T C G C G C G AA T C AA C TT GG G C TG C C AA G TC G ATG
1054 1063 1072 1081 1090 1099 1108
1134
567
0
G A TTGGA T G
1117
1134
567
0