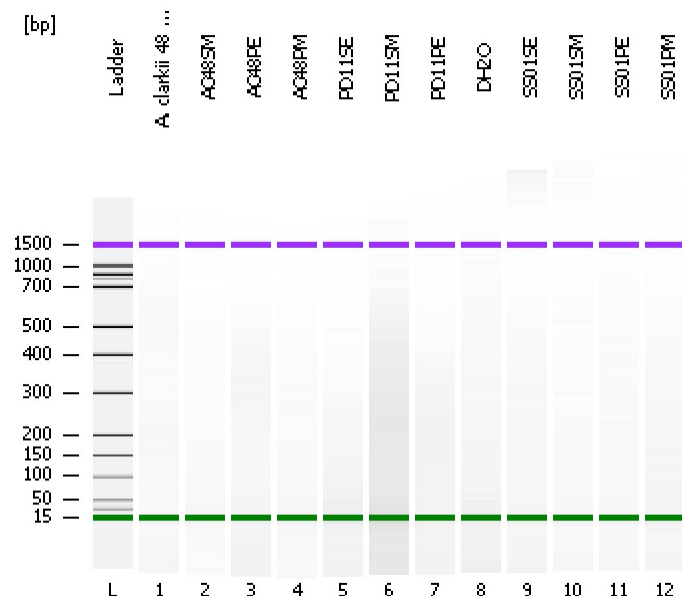


Assay Class: DNA 1000
Data Path: C:\...\Pinsky20131219_DNA 1000_DE72901330_2013-12-19_10-35-52.xad

Created: 12/19/2013 10:33:45 AM
Modified: 12/19/2013 11:24:22 AM

Electrophoresis File Run Summary



Instrument Information:

Instrument Name: DE72901330
Serial#: DE72901330

Firmware: C.01.069
Type: G2939A

Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\dsDNA\DNA 1000 Series II.xsy

Assay Class: DNA 1000

Version: 2.3

Assay Comments: DNA Analysis 25 -1000 bp

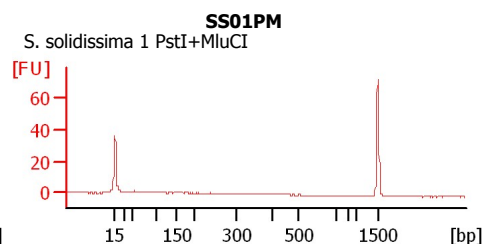
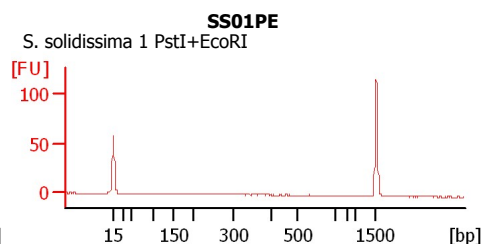
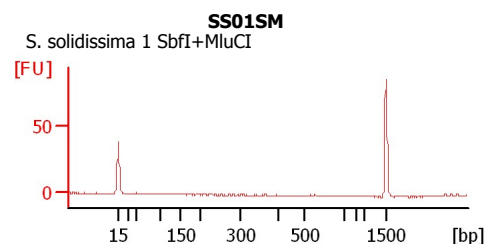
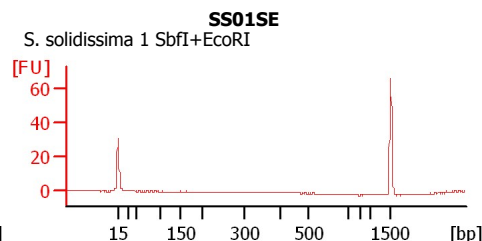
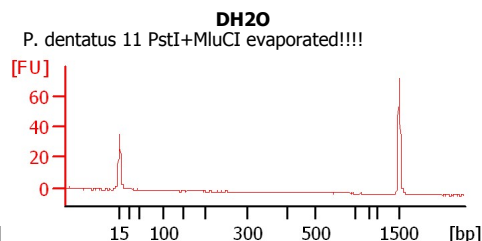
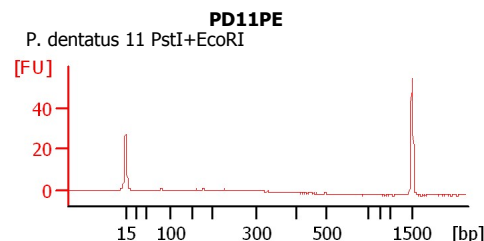
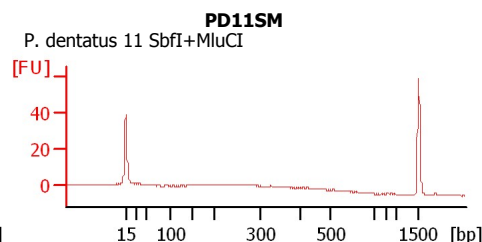
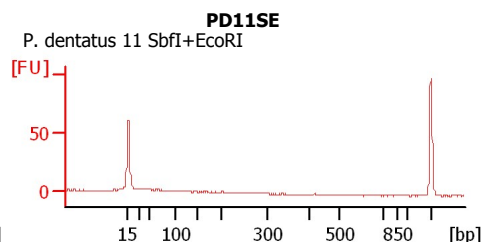
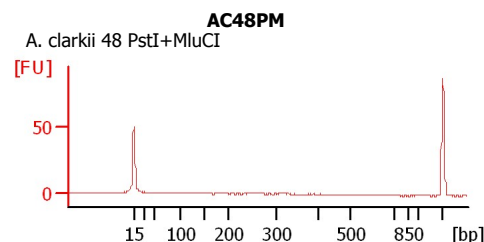
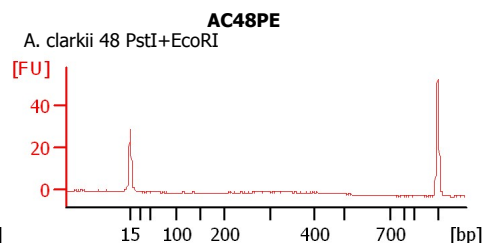
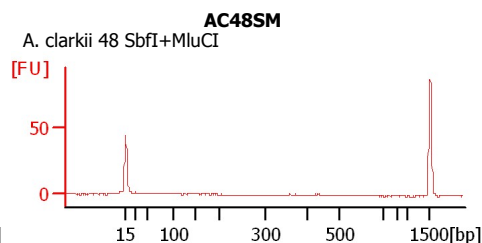
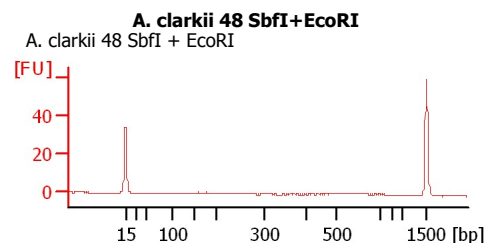
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Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: DNA 1000
 Data Path: C:\...\Pinsky20131219_DNA 1000_DE72901330_2013-12-19_10-35-52.xad

Created: 12/19/2013 10:33:45 AM
 Modified: 12/19/2013 11:24:22 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
A. clarkii 48 SbfI+EcoRI	A. clarkii 48 SbfI + EcoRI	<input type="checkbox"/>	✓			
AC48SM	A. clarkii 48 SbfI+MluCI	<input type="checkbox"/>	✓			
AC48PE	A. clarkii 48 PstI+EcoRI	<input checked="" type="checkbox"/>	✓			
AC48PM	A. clarkii 48 PstI+MluCI	<input checked="" type="checkbox"/>	✓			
PD11SE	P. dentatus 11 SbfI+EcoRI	<input checked="" type="checkbox"/>	✓			
PD11SM	P. dentatus 11 SbfI+MluCI	<input checked="" type="checkbox"/>	✓			
PD11PE	P. dentatus 11 PstI+EcoRI	<input checked="" type="checkbox"/>	✓			
DH2O	P. dentatus 11 PstI+MluCI evaporated!!!!	<input checked="" type="checkbox"/>	✓			
SS01SE	S. solidissima 1 SbfI+EcoRI	<input checked="" type="checkbox"/>	✓			
SS01SM	S. solidissima 1 SbfI+MluCI	<input checked="" type="checkbox"/>	✓			
SS01PE	S. solidissima 1 PstI+EcoRI	<input checked="" type="checkbox"/>	✓			
SS01PM	S. solidissima 1 PstI+MluCI	<input checked="" type="checkbox"/>	✓			

Chip Lot #**Reagent Kit Lot #****Chip Comments :**

Assay Class: DNA 1000
Data Path: C:\...\Pinsky20131219_DNA 1000_DE72901330_2013-12-19_10-35-52.xad

Created: 12/19/2013 10:33:45 AM
Modified: 12/19/2013 11:24:22 AM

Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 13
Minimum Visible Range [s] : 30
Maximum Visible Range [s] : 129
Start Analysis Time Range [s] : 30
End Analysis Time Range [s] : 128.95
Ladder Concentration [ng/μl] : 44
Uses Standard Area for Ladder Fragments
Lower Marker Concentration [ng/μl] : 4.2
Upper Marker Concentration [ng/μl] : 2.1
Used Upper Marker for Quantitation
Standard Curve Fit is Point to Point
Show Data Aligned to Lower and Upper Marker

Integrator Settings

Integration Start Time [s] : 30
Integration End Time [s] : 128.95
Slope Threshold : 0.5
Height Threshold [FU] : 20
Area Threshold : 0.1
Width Threshold [s] : 0.5
Baseline Plateau [s] : 0.5

Filter Settings

Filter Width [s] : 0.5
Polynomial Order : 4

Ladder

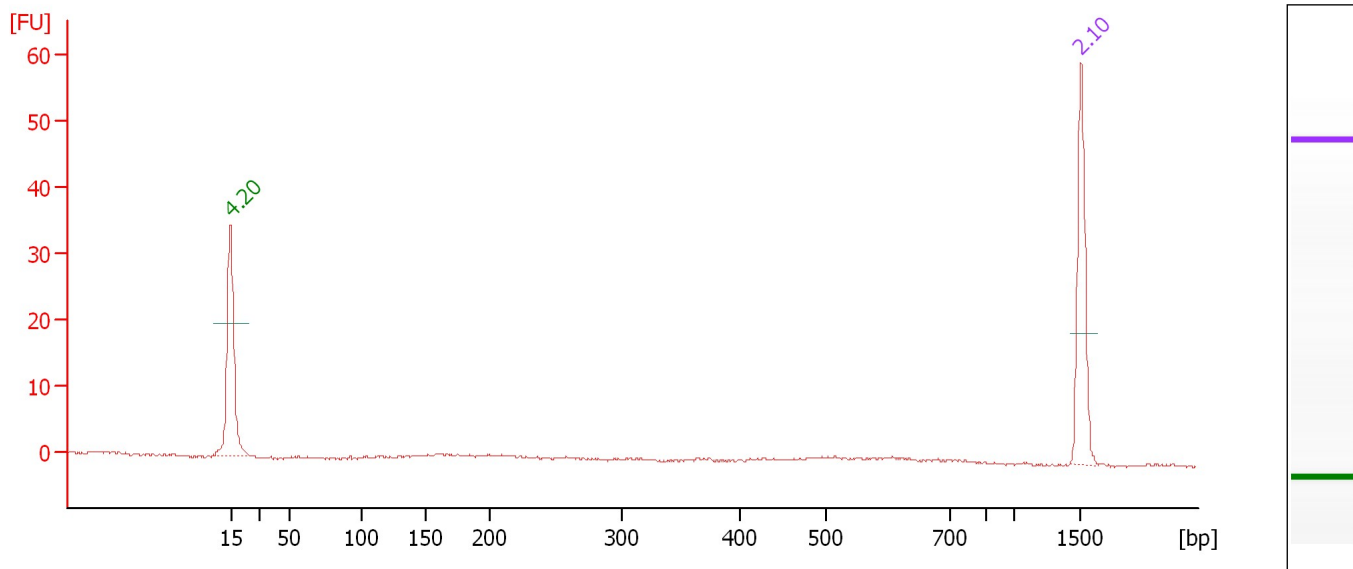
Ladder Peak	Size	Area
1	15	25
2	25	26
3	50	34
4	100	41
5	150	45
6	200	52
7	300	63
8	400	76
9	500	83
10	700	88
11	850	86
12	1000	90
13	1500	52

Assay Class: DNA 1000
Data Path: C:\...\Pinsky20131219_DNA 1000_DE72901330_2013-12-19_10-35-52.xad

Created: 12/19/2013 10:33:45 AM
Modified: 12/19/2013 11:24:22 AM

Electropherogram Summary

A. clarkii 48 SbfI+EcoRI [A. clarkii 48 SbfI + EcoRI]



Overall Results for sample 1 : A. clarkii 48 SbfI+EcoRI

Number of peaks found: 0

Peak table for sample 1 : A. clarkii 48 SbfI+EcoRI

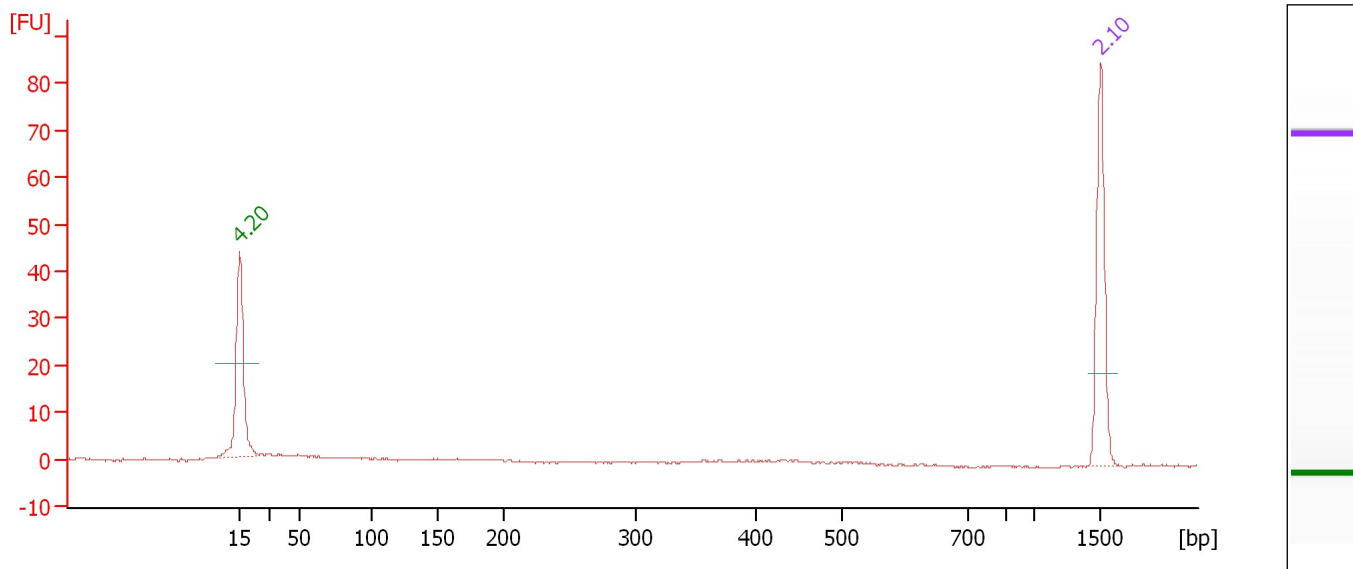
Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000
Data Path: C:\...\Pinsky20131219_DNA 1000_DE72901330_2013-12-19_10-35-52.xad

Created: 12/19/2013 10:33:45 AM
Modified: 12/19/2013 11:24:22 AM

Electropherogram Summary Continued ...

AC48SM [A. clarkii 48 SbfI+MluCI]

**Overall Results for sample 2 : AC48SM**

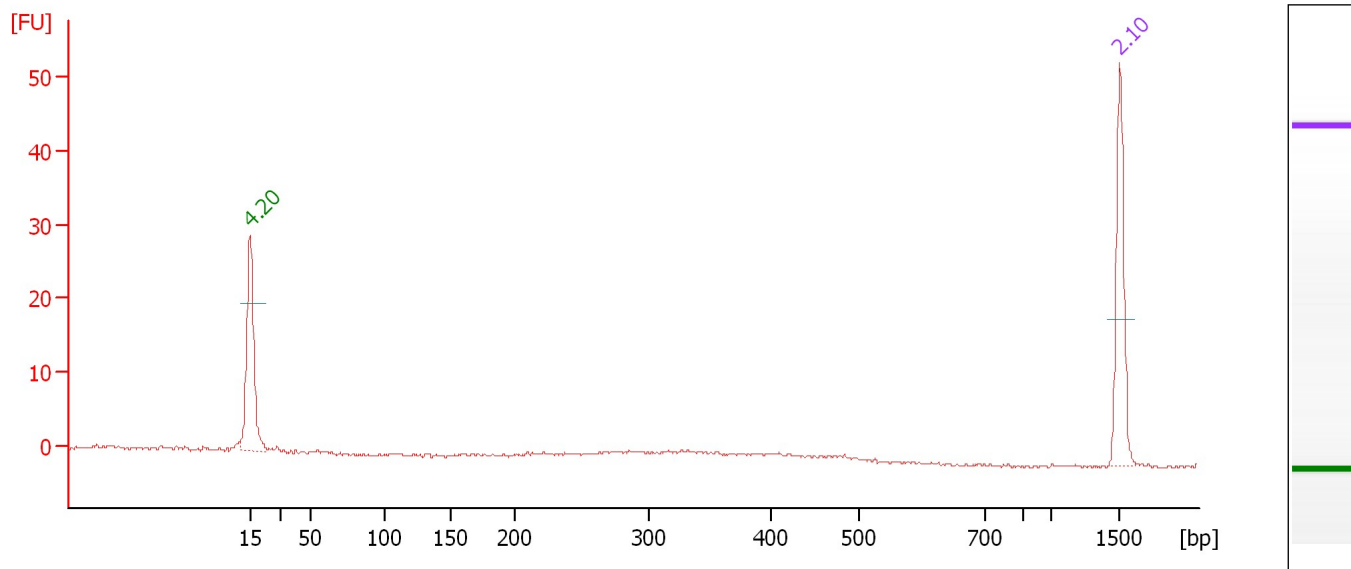
Number of peaks found: 0

Peak table for sample 2 : AC48SM

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000
Data Path: C:\...\Pinsky20131219_DNA 1000_DE72901330_2013-12-19_10-35-52.xad

Created: 12/19/2013 10:33:45 AM
Modified: 12/19/2013 11:24:22 AM

Electropherogram Summary Continued ...AC48PE [*A. clarkii* 48 PstI+EcoRI]**Overall Results for sample 3 : AC48PE**

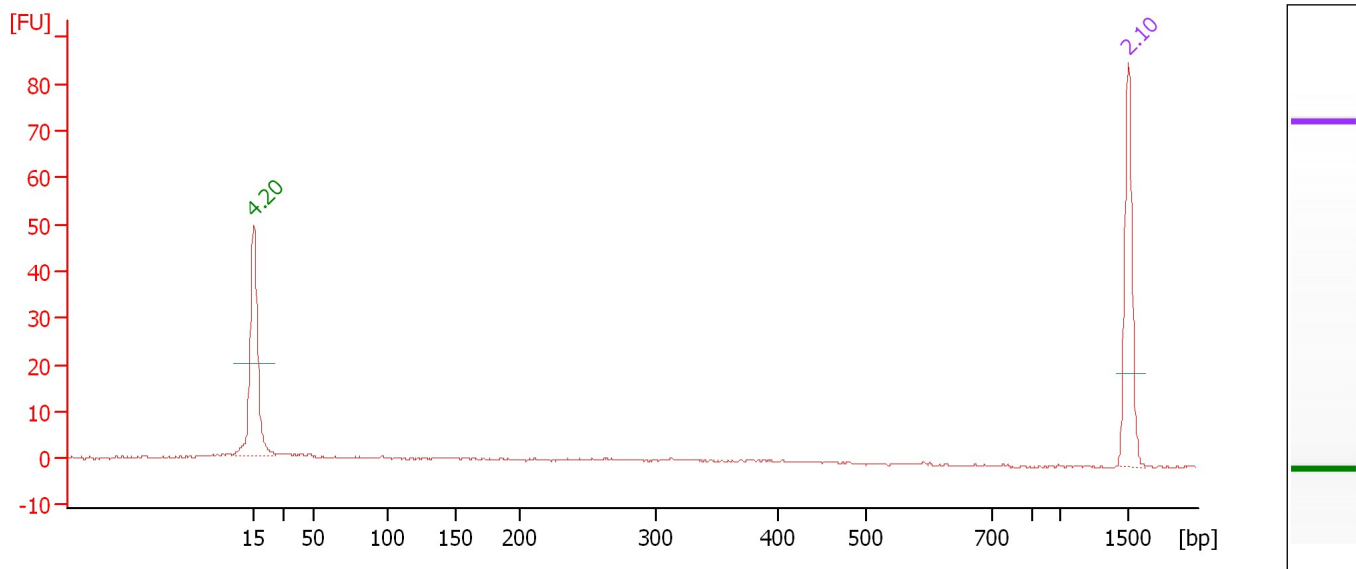
Number of peaks found: 0

Peak table for sample 3 : AC48PE

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000
Data Path: C:\...\Pinsky20131219_DNA 1000_DE72901330_2013-12-19_10-35-52.xad

Created: 12/19/2013 10:33:45 AM
Modified: 12/19/2013 11:24:22 AM

Electropherogram Summary Continued ...AC48PM [*A. clarkii* 48 PstI+MluCI]**Overall Results for sample 4 : AC48PM**

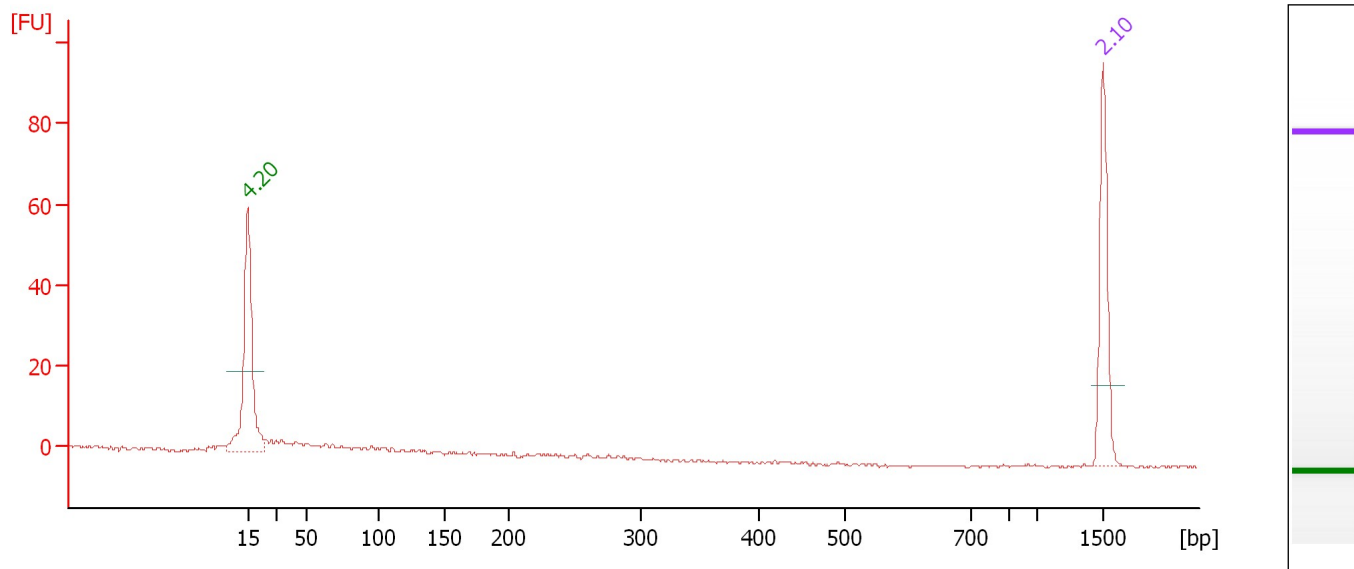
Number of peaks found: 0

Peak table for sample 4 : AC48PM

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000
Data Path: C:\...\Pinsky20131219_DNA 1000_DE72901330_2013-12-19_10-35-52.xad

Created: 12/19/2013 10:33:45 AM
Modified: 12/19/2013 11:24:22 AM

Electropherogram Summary Continued ...PD11SE [*P. dentatus* 11 SbfI+EcoRI]**Overall Results for sample 5 : PD11SE**

Number of peaks found: 0

Peak table for sample 5 : PD11SE

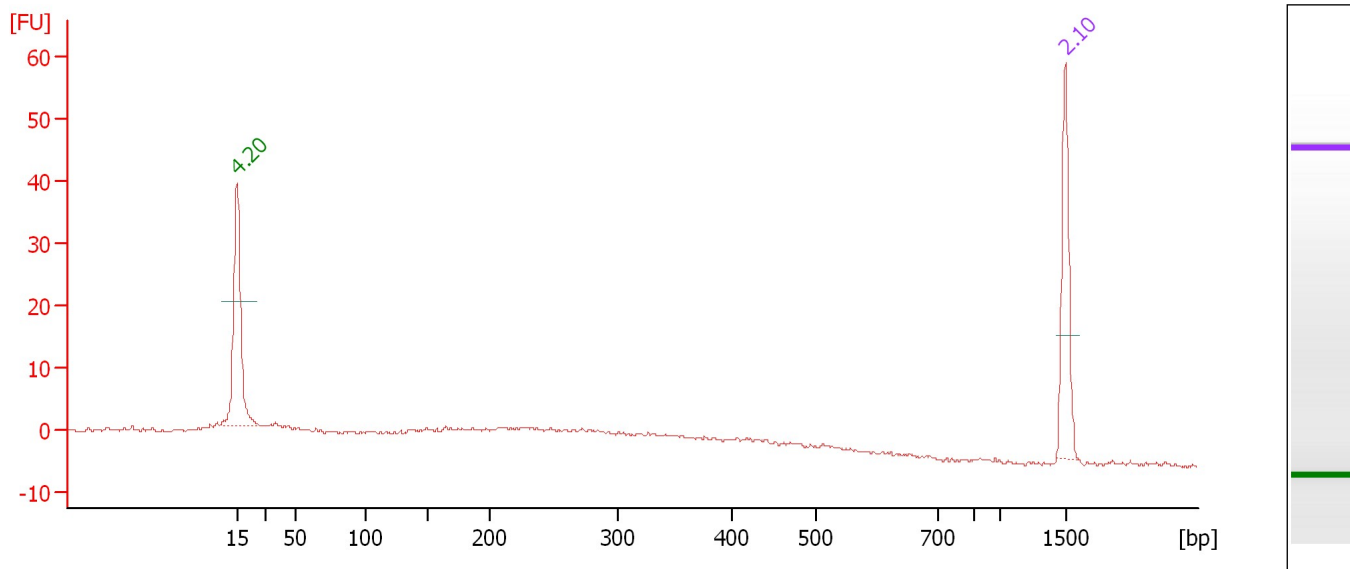
Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000
Data Path: C:\...\Pinsky20131219_DNA 1000_DE72901330_2013-12-19_10-35-52.xad

Created: 12/19/2013 10:33:45 AM
Modified: 12/19/2013 11:24:22 AM

Electropherogram Summary Continued ...

PD11SM [P. dentatus 11 SbfI+MluCI]

**Overall Results for sample 6 : PD11SM**

Number of peaks found: 0

Peak table for sample 6 : PD11SM

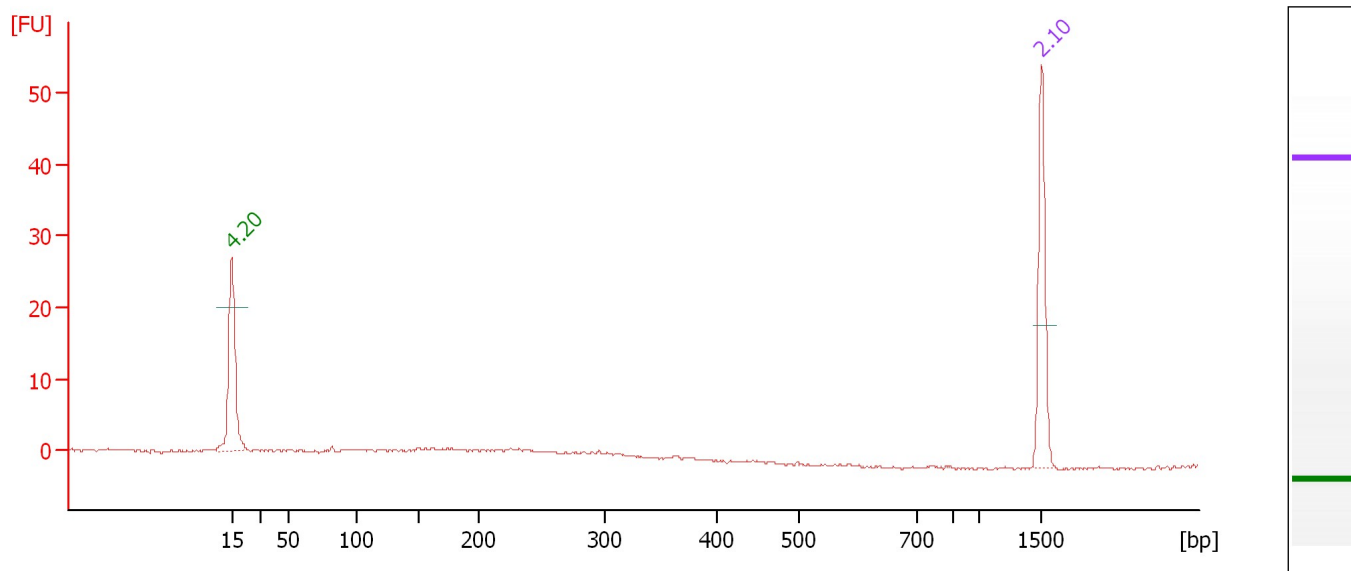
Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000
Data Path: C:\...\Pinsky20131219_DNA 1000_DE72901330_2013-12-19_10-35-52.xad

Created: 12/19/2013 10:33:45 AM
Modified: 12/19/2013 11:24:22 AM

Electropherogram Summary Continued ...

PD11PE [P. dentatus 11 PstI+EcoRI]

**Overall Results for sample 7 : PD11PE**

Number of peaks found: 0

Peak table for sample 7 : PD11PE

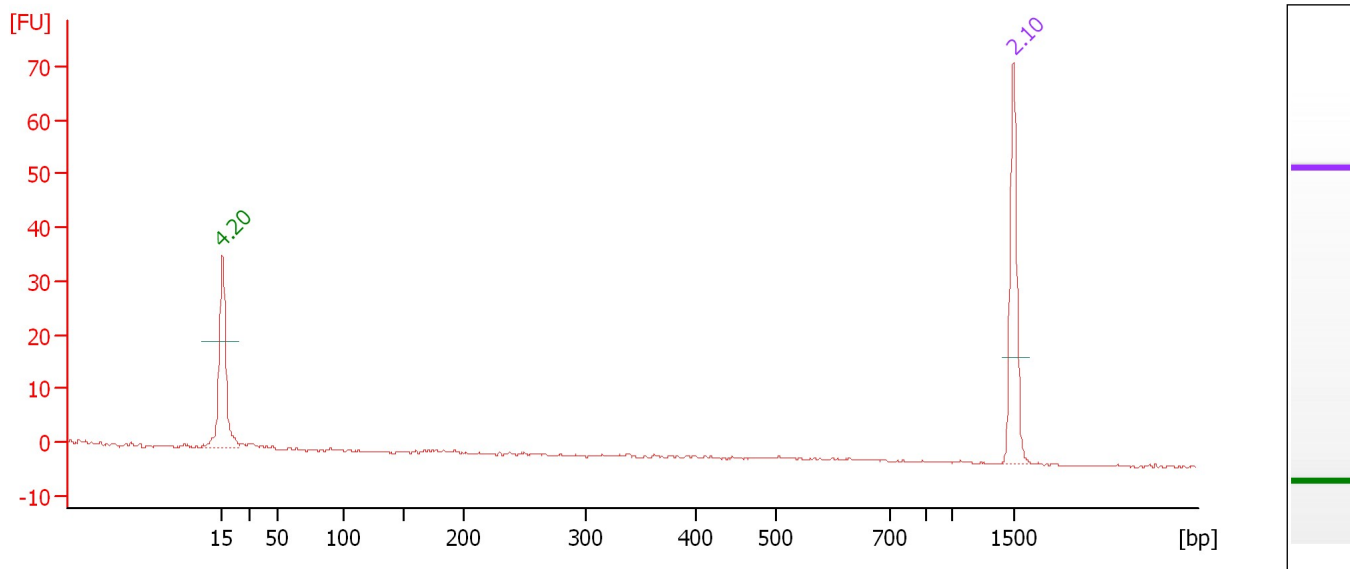
Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000
Data Path: C:\...\Pinsky20131219_DNA 1000_DE72901330_2013-12-19_10-35-52.xad

Created: 12/19/2013 10:33:45 AM
Modified: 12/19/2013 11:24:22 AM

Electropherogram Summary Continued ...

DH2O [P. dentatus 11 PstI+MluCI evaporated!!!!]

**Overall Results for sample 8 : DH2O**

Number of peaks found: 0

Peak table for sample 8 : DH2O

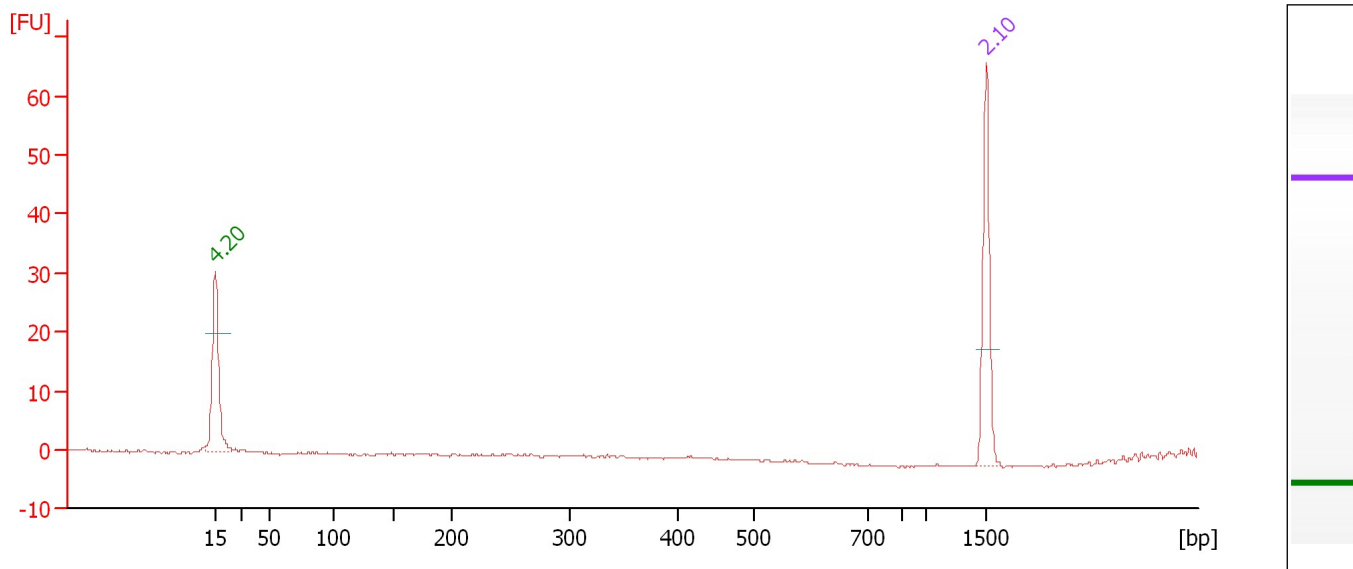
Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000
Data Path: C:\...\Pinsky20131219_DNA 1000_DE72901330_2013-12-19_10-35-52.xad

Created: 12/19/2013 10:33:45 AM
Modified: 12/19/2013 11:24:22 AM

Electropherogram Summary Continued ...

SS01SE [S. solidissima 1 SbfI+EcoRI]

**Overall Results for sample 9 : SS01SE**

Number of peaks found: 0

Peak table for sample 9 : SS01SE

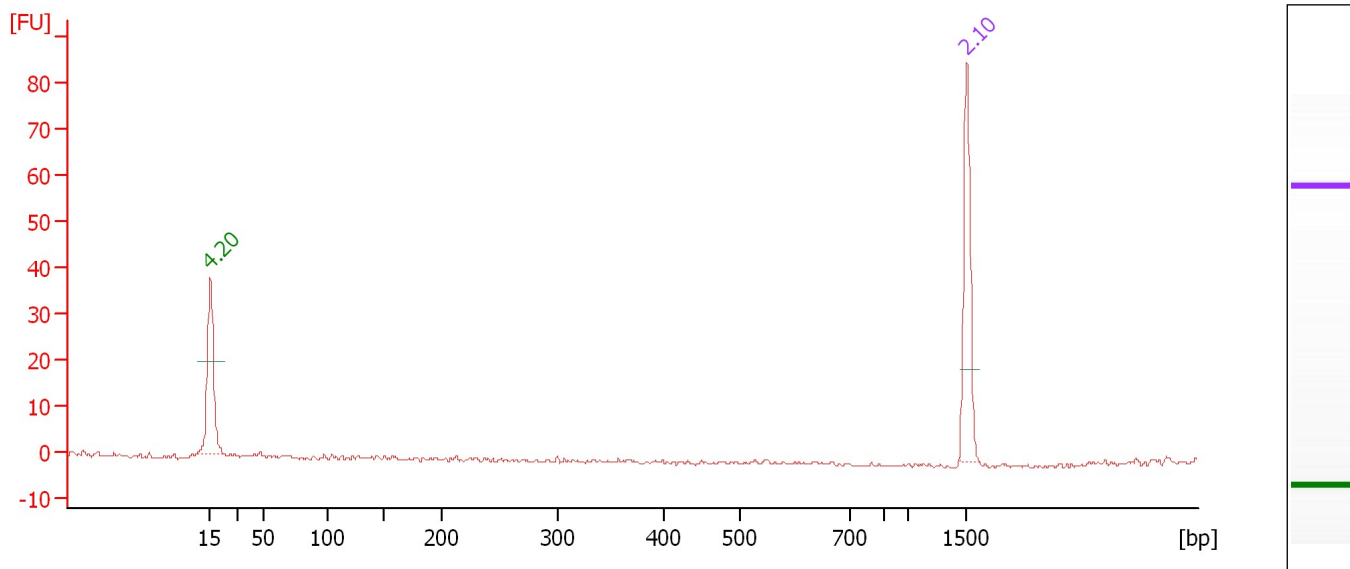
Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000
Data Path: C:\...\Pinsky20131219_DNA 1000_DE72901330_2013-12-19_10-35-52.xad

Created: 12/19/2013 10:33:45 AM
Modified: 12/19/2013 11:24:22 AM

Electropherogram Summary Continued ...

SS01SM [S. solidissima 1 SbfI+MluCI]

**Overall Results for sample 10 : SS01SM**

Number of peaks found: 0

Peak table for sample 10 : SS01SM

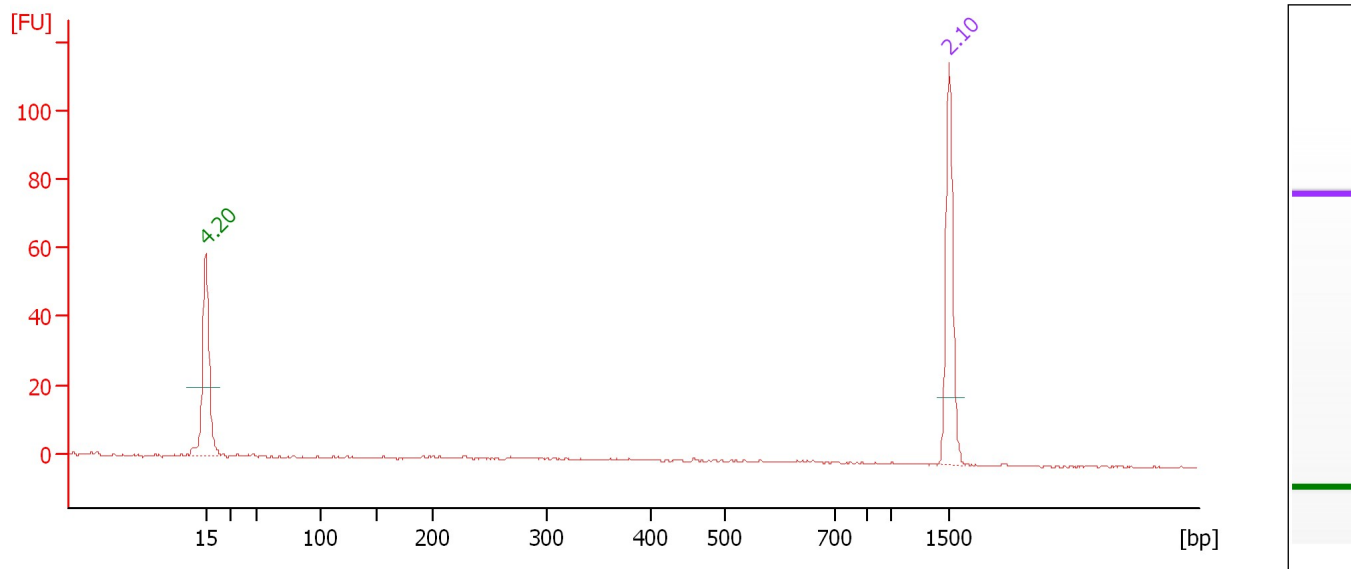
Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000
Data Path: C:\...\Pinsky20131219_DNA 1000_DE72901330_2013-12-19_10-35-52.xad

Created: 12/19/2013 10:33:45 AM
Modified: 12/19/2013 11:24:22 AM

Electropherogram Summary Continued ...

SS01PE [S. solidissima 1 PstI+EcoRI]

**Overall Results for sample 11 : SS01PE**

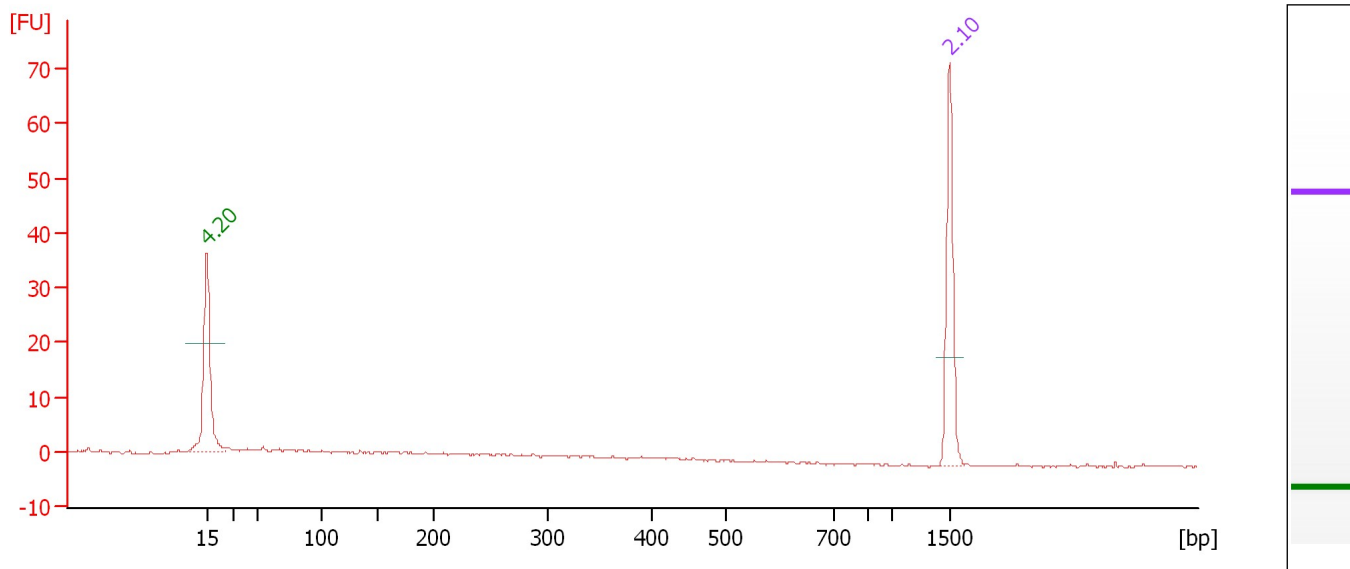
Number of peaks found: 0

Peak table for sample 11 : SS01PE

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000
Data Path: C:\...\Pinsky20131219_DNA 1000_DE72901330_2013-12-19_10-35-52.xad

Created: 12/19/2013 10:33:45 AM
Modified: 12/19/2013 11:24:22 AM

Electropherogram Summary Continued ...SS01PM [*S. solidissima* 1 PstI+MluCI]**Overall Results for sample 12 : SS01PM**

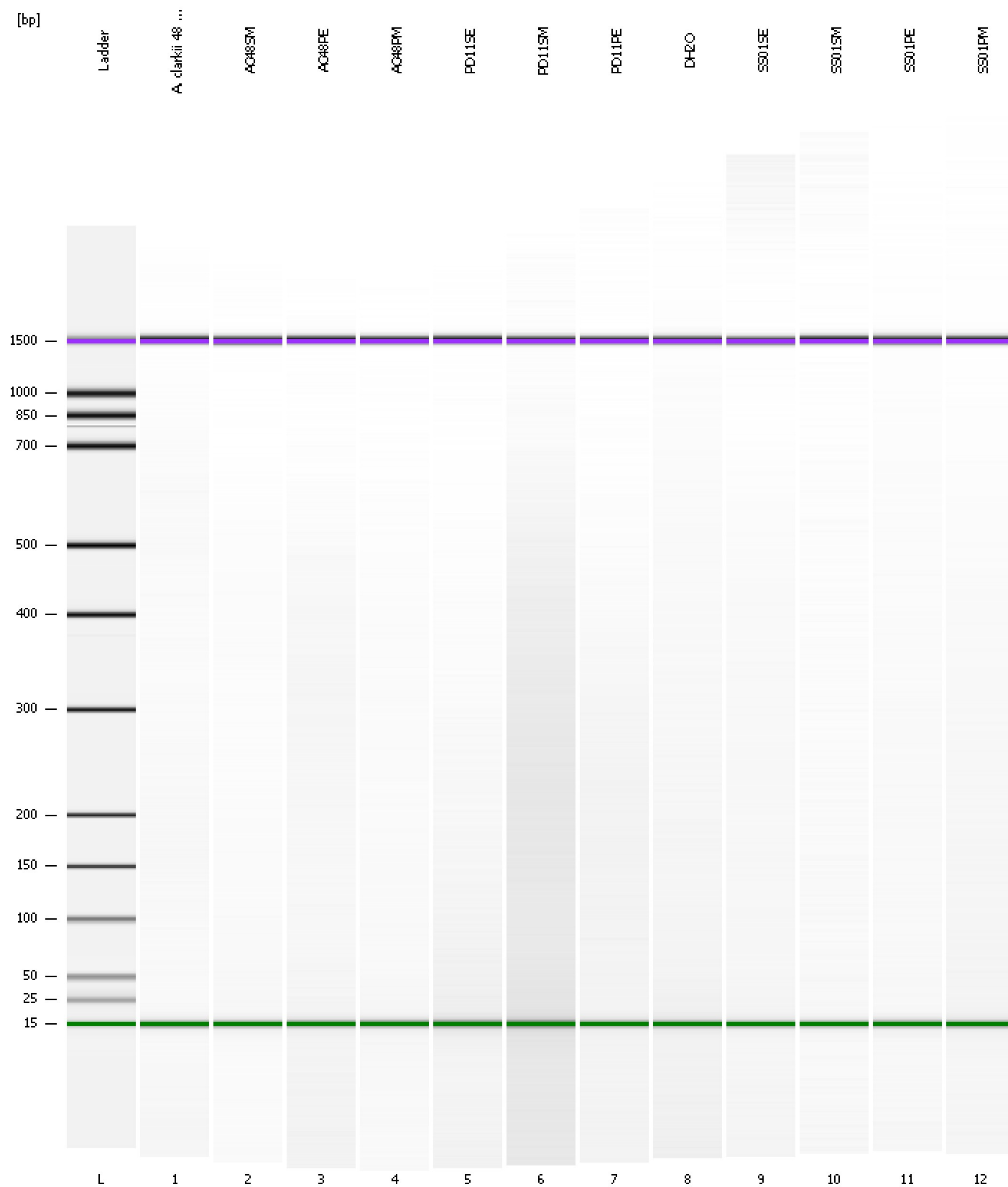
Number of peaks found: 0

Peak table for sample 12 : SS01PM

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000
Data Path: C:\...\Pinsky20131219_DNA 1000_DE72901330_2013-12-19_10-35-52.xad

Created: 12/19/2013 10:33:45 AM
Modified: 12/19/2013 11:24:22 AM

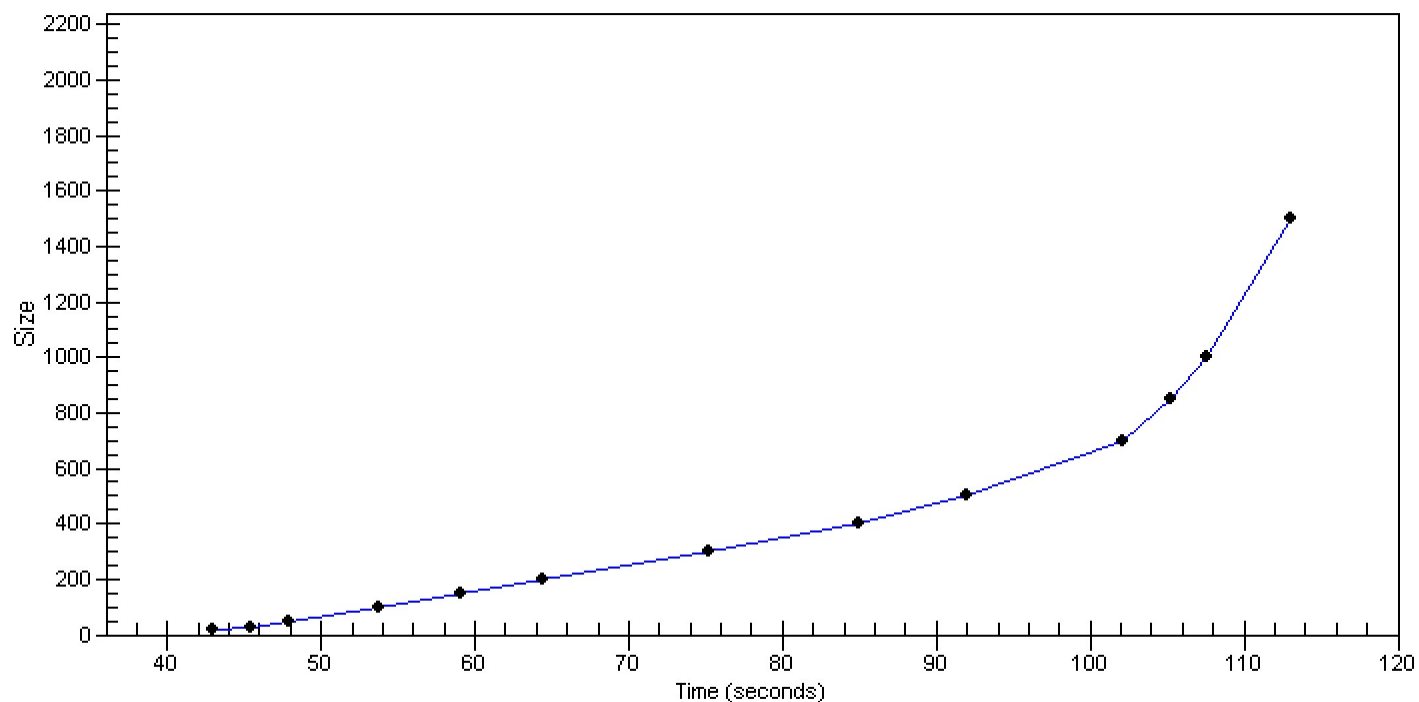
Gel Image

Assay Class: DNA 1000
Data Path: C:\...\Pinsky20131219_DNA 1000_DE72901330_2013-12-19_10-35-52.xad

Created: 12/19/2013 10:33:45 AM
Modified: 12/19/2013 11:24:22 AM

Curves

Standard Curve



Assay Class: DNA 1000
 Data Path: C:\...\Pinsky20131219_DNA 1000_DE72901330_2013-12-19_10-35-52.xad

Created: 12/19/2013 10:33:45 AM
 Modified: 12/19/2013 11:24:22 AM

Run Logbook

Description	Number	Source	Category	Sub Category	Time Stamp	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 13)		Instrument	Run		12/19/2013 11:18:45 AM	(GMT --05:00) Eastern Standard Time	foran103	RUTGERS-4341 E48
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\Data\2013-12-19\Pinsky20131219_DNA 1000_DE72901330_2013-12-19_10-35-52.xad)		Instrument	Run		12/19/2013 10:33:45 AM	(GMT --05:00) Eastern Standard Time	foran103	RUTGERS-4341 E48
Product Number : G2939A		Instrument	Run		12/19/2013 10:33:45 AM	(GMT --05:00) Eastern Standard Time	foran103	RUTGERS-4341 E48
Name :		Instrument	Run		12/19/2013 10:33:45 AM	(GMT --05:00) Eastern Standard Time	foran103	RUTGERS-4341 E48
Vendor : Agilent Technologies		Instrument	Run		12/19/2013 10:33:45 AM	(GMT --05:00) Eastern Standard Time	foran103	RUTGERS-4341 E48
Serial# : DE72901330		Instrument	Run		12/19/2013 10:33:45 AM	(GMT --05:00) Eastern Standard Time	foran103	RUTGERS-4341 E48
Firmware : C.01.069		Instrument	Run		12/19/2013 10:33:45 AM	(GMT --05:00) Eastern Standard Time	foran103	RUTGERS-4341 E48
Cartridge : Electrode		Instrument	Run		12/19/2013 10:33:45 AM	(GMT --05:00) Eastern Standard Time	foran103	RUTGERS-4341 E48