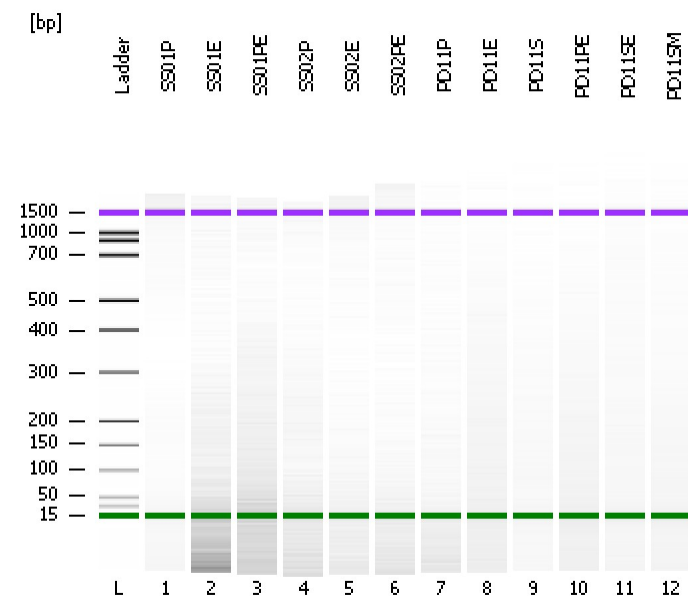


Assay Class: DNA 1000  
Data Path: C:\...\Pinsky20131220\_DNA 1000\_DE72901330\_2013-12-20\_15-24-31.xad

Created: 12/20/2013 3:24:31 PM  
Modified: 12/20/2013 4:06:28 PM

### 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

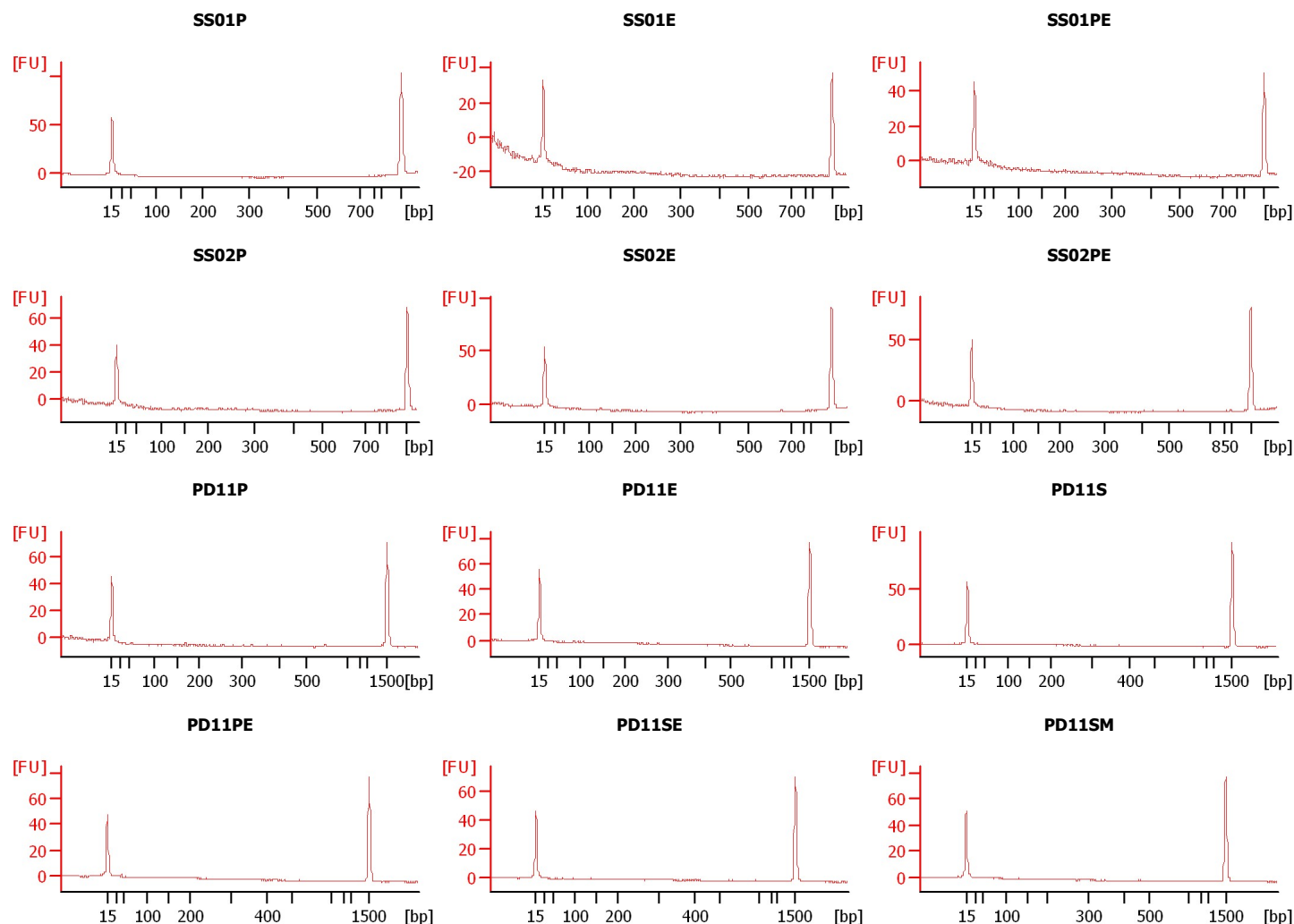
© Copyright 2003-2009 Agilent Technologies, Inc.

#### Chip Information:

Chip Lot #: RK09BK10

Reagent Kit Lot #:

Chip Comments:



Assay Class: DNA 1000  
Data Path: C:\...\Pinsky20131220\_DNA 1000\_DE72901330\_2013-12-20\_15-24-31.xad

Created: 12/20/2013 3:24:31 PM  
Modified: 12/20/2013 4:06:28 PM

**Electrophoresis File Run Summary (Chip Summary)**

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
SS01P		<input checked="" type="checkbox"/>	✓			
SS01E		<input checked="" type="checkbox"/>	✓			
SS01PE		<input checked="" type="checkbox"/>	✓			
SS02P		<input checked="" type="checkbox"/>	✓			
SS02E		<input checked="" type="checkbox"/>	✓			
SS02PE		<input checked="" type="checkbox"/>	✓			
PD11P		<input checked="" type="checkbox"/>	✓			
PD11E		<input checked="" type="checkbox"/>	✓			
PD11S		<input checked="" type="checkbox"/>	✓			
PD11PE		<input checked="" type="checkbox"/>	✓			
PD11SE		<input checked="" type="checkbox"/>	✓			
PD11SM		<input checked="" type="checkbox"/>	✓			

**Chip Lot #**

RK09BK10

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

Assay Class: DNA 1000  
Data Path: C:\...\Pinsky20131220\_DNA 1000\_DE72901330\_2013-12-20\_15-24-31.xad

Created: 12/20/2013 3:24:31 PM  
Modified: 12/20/2013 4:06:28 PM

## 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

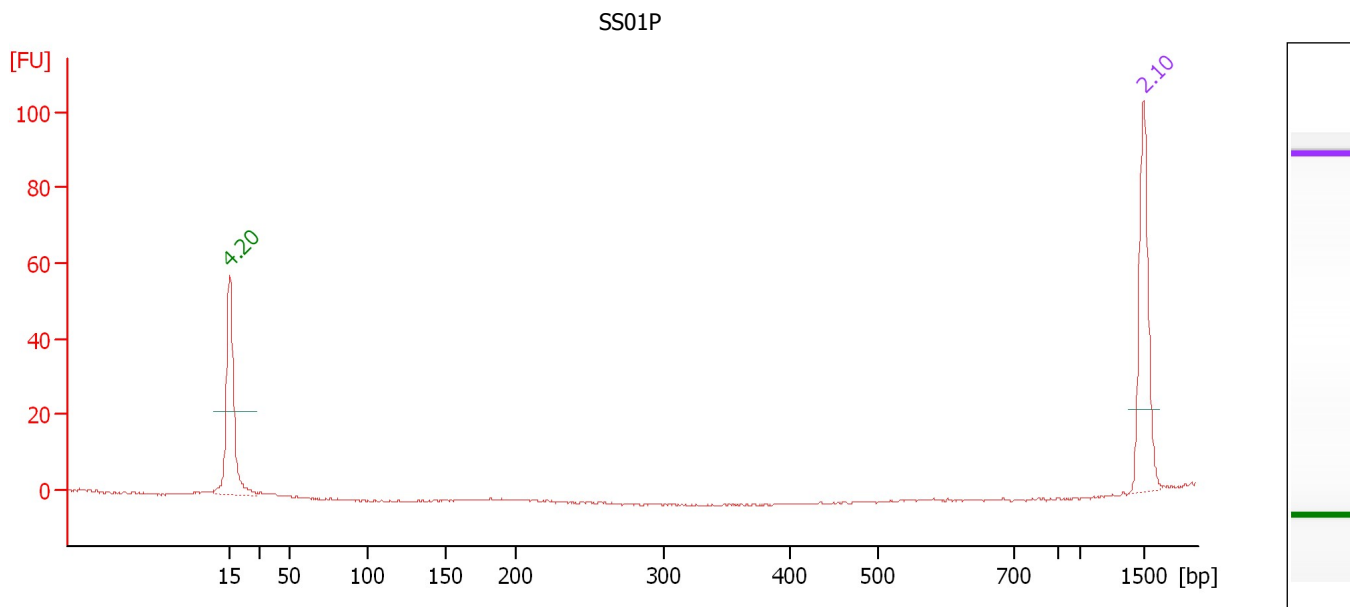
Filter Width [s] : 0.5  
Polynomial Order : 4

### 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:\...\Pinsky20131220\_DNA 1000\_DE72901330\_2013-12-20\_15-24-31.xad

Created: 12/20/2013 3:24:31 PM  
Modified: 12/20/2013 4:06:28 PM

**Electropherogram Summary****Overall Results for sample 1 : SS01P**

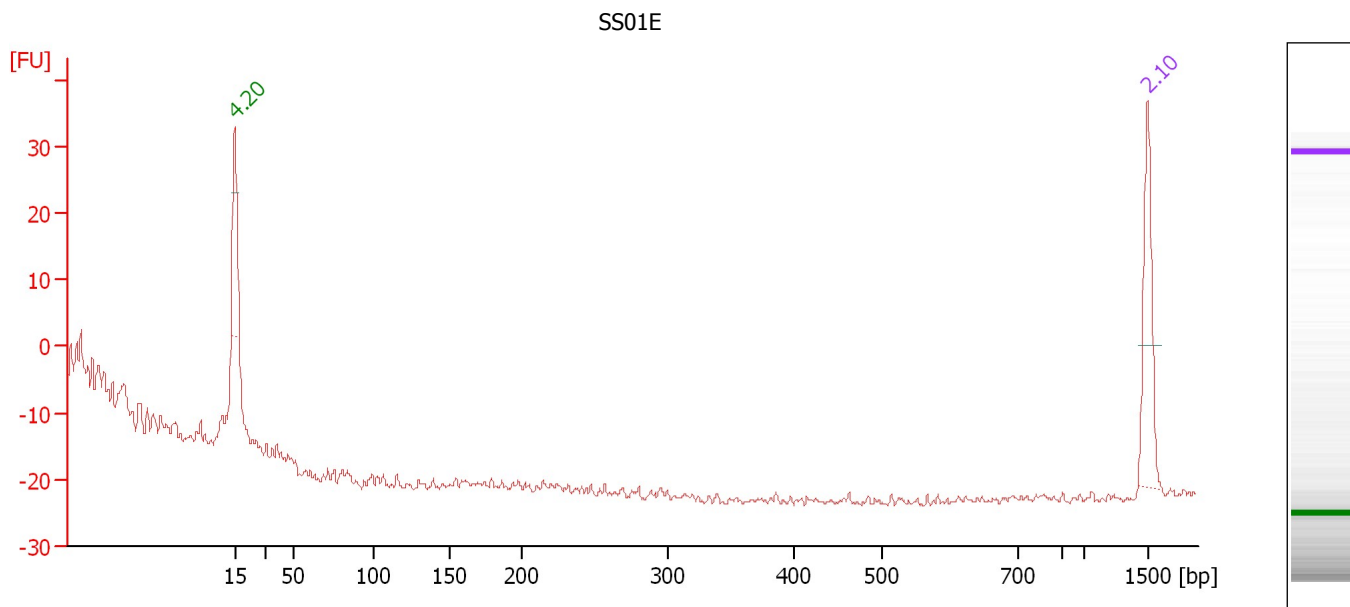
Number of peaks found: 0

**Peak table for sample 1 : SS01P**

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:\...\Pinsky20131220\_DNA 1000\_DE72901330\_2013-12-20\_15-24-31.xad

Created: 12/20/2013 3:24:31 PM  
Modified: 12/20/2013 4:06:28 PM

**Electropherogram Summary Continued ...****Overall Results for sample 2 : SS01E**

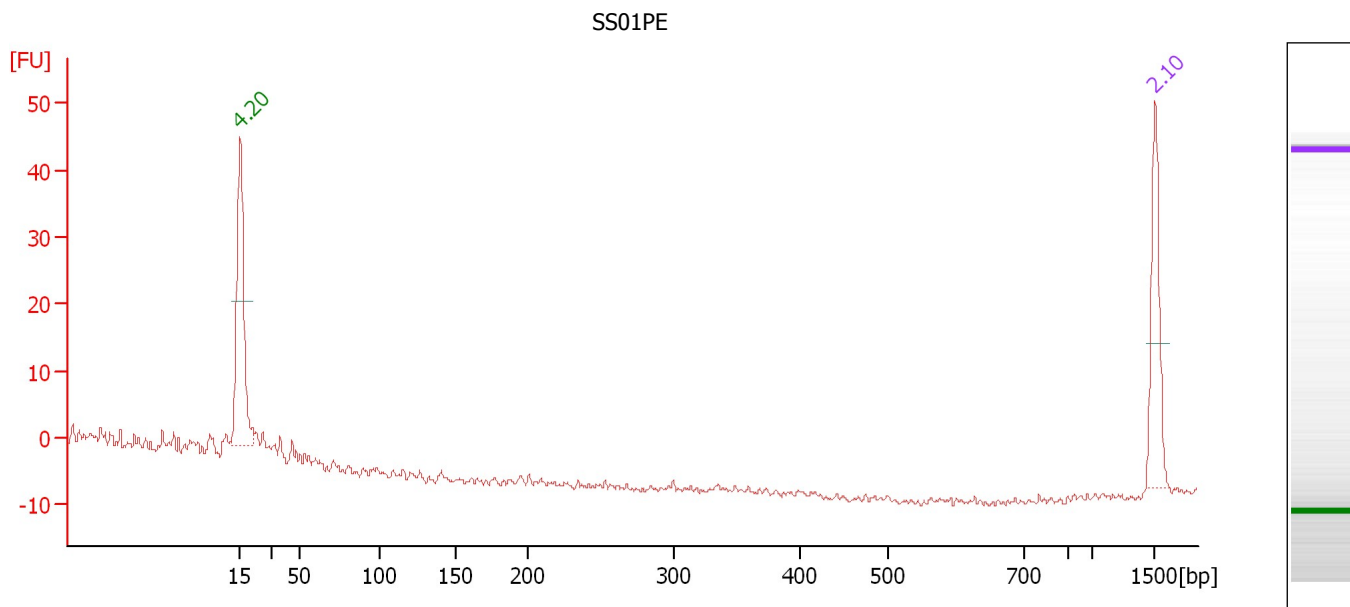
Number of peaks found: 0

**Peak table for sample 2 : SS01E**

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:\...\Pinsky20131220\_DNA 1000\_DE72901330\_2013-12-20\_15-24-31.xad

Created: 12/20/2013 3:24:31 PM  
Modified: 12/20/2013 4:06:28 PM

**Electropherogram Summary Continued ...****Overall Results for sample 3 : SS01PE**

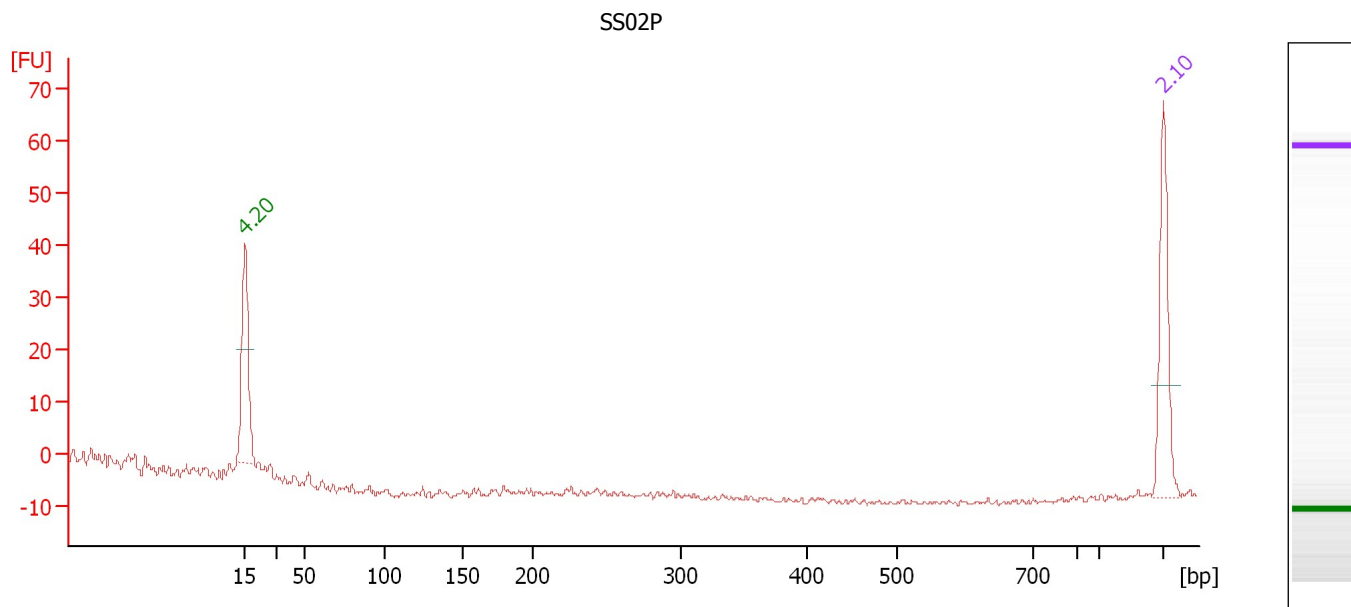
Number of peaks found: 0

**Peak table for sample 3 : 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:\...\Pinsky20131220\_DNA 1000\_DE72901330\_2013-12-20\_15-24-31.xad

Created: 12/20/2013 3:24:31 PM  
Modified: 12/20/2013 4:06:28 PM

**Electropherogram Summary Continued ...****Overall Results for sample 4 : SS02P**

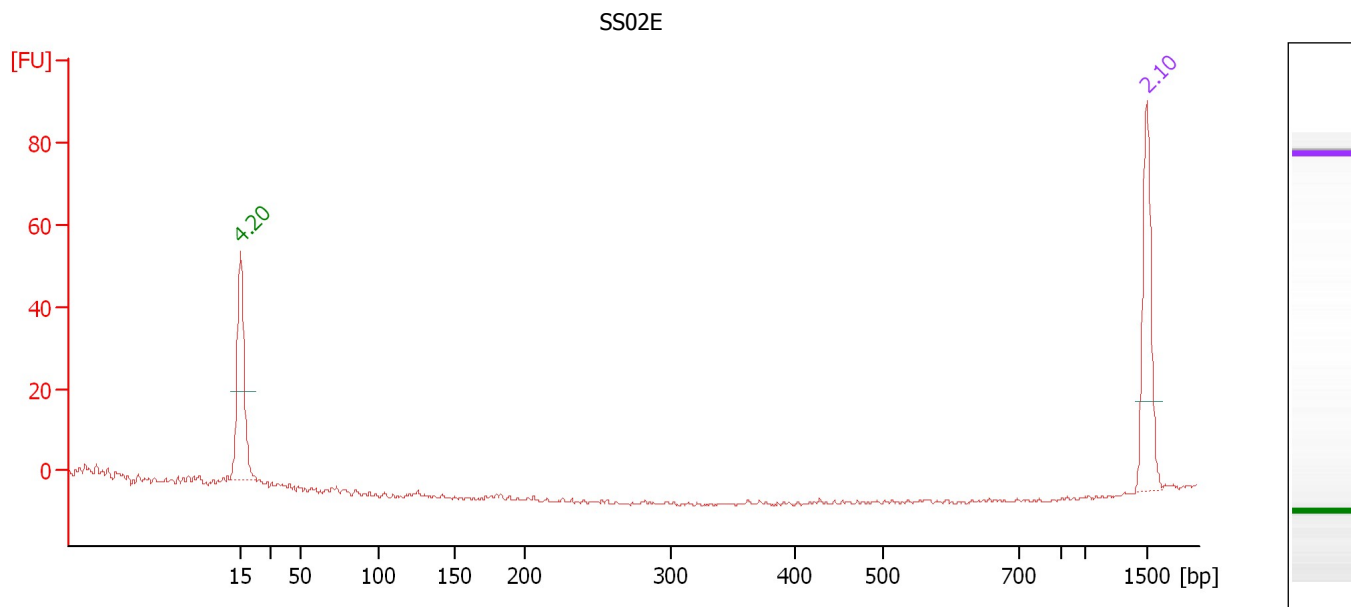
Number of peaks found: 0

**Peak table for sample 4 : SS02P**

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:\...\Pinsky20131220\_DNA 1000\_DE72901330\_2013-12-20\_15-24-31.xad

Created: 12/20/2013 3:24:31 PM  
Modified: 12/20/2013 4:06:28 PM

**Electropherogram Summary Continued ...****Overall Results for sample 5 : SS02E**

Number of peaks found: 0

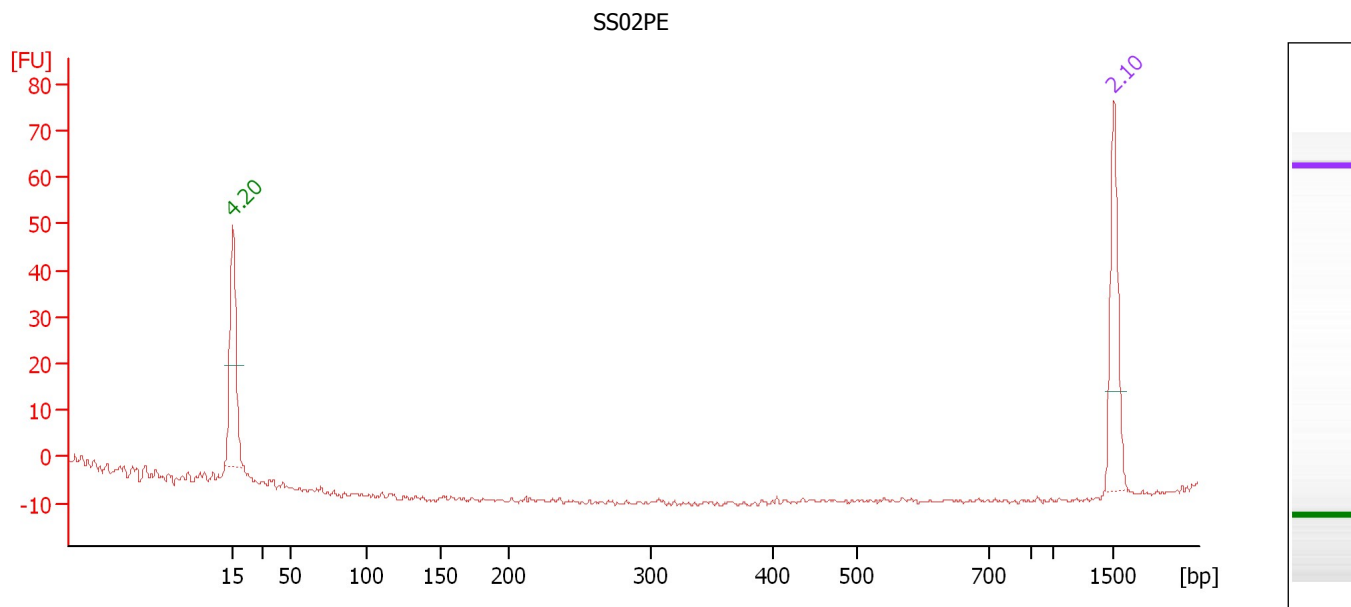
**Peak table for sample 5 : SS02E**

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:\...\Pinsky20131220\_DNA 1000\_DE72901330\_2013-12-20\_15-24-31.xad

Created: 12/20/2013 3:24:31 PM  
Modified: 12/20/2013 4:06:28 PM

**Electropherogram Summary Continued ...****Overall Results for sample 6 : SS02PE**

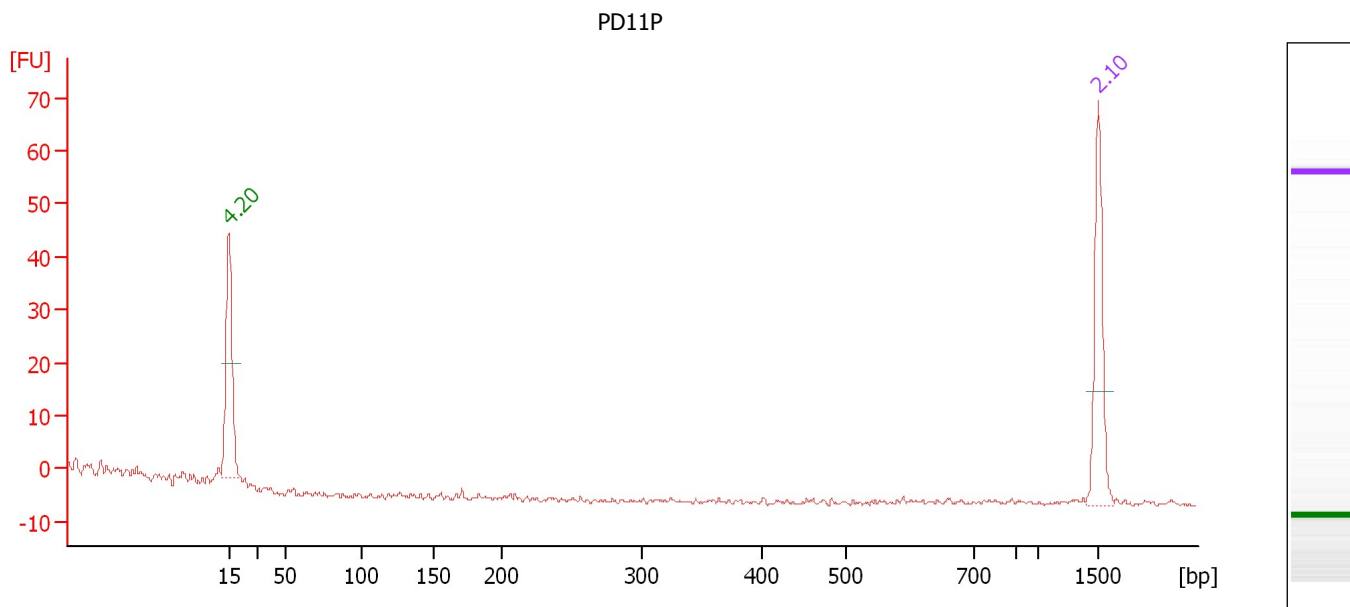
Number of peaks found: 0

**Peak table for sample 6 : SS02PE**

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:\...\Pinsky20131220\_DNA 1000\_DE72901330\_2013-12-20\_15-24-31.xad

Created: 12/20/2013 3:24:31 PM  
Modified: 12/20/2013 4:06:28 PM

**Electropherogram Summary Continued ...****Overall Results for sample 7 : PD11P**

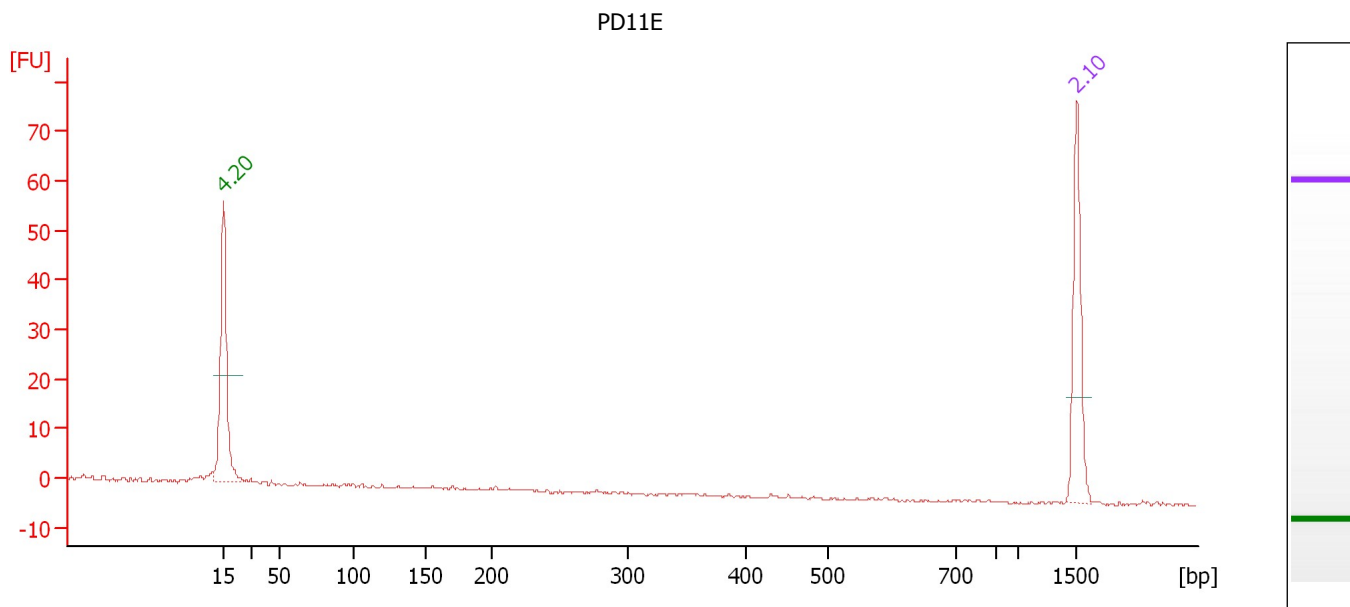
Number of peaks found: 0

**Peak table for sample 7 : PD11P**

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:\...\Pinsky20131220\_DNA 1000\_DE72901330\_2013-12-20\_15-24-31.xad

Created: 12/20/2013 3:24:31 PM  
Modified: 12/20/2013 4:06:28 PM

**Electropherogram Summary Continued ...****Overall Results for sample 8 : PD11E**

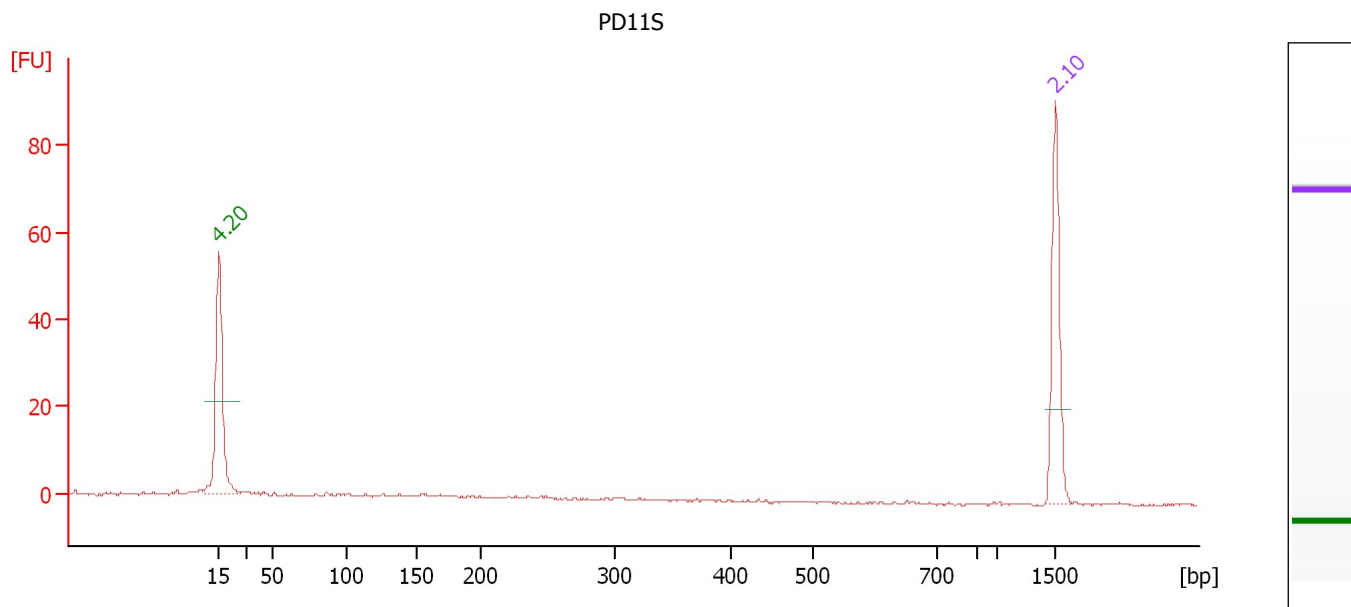
Number of peaks found: 0

**Peak table for sample 8 : PD11E**

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:\...\Pinsky20131220\_DNA 1000\_DE72901330\_2013-12-20\_15-24-31.xad

Created: 12/20/2013 3:24:31 PM  
Modified: 12/20/2013 4:06:28 PM

**Electropherogram Summary Continued ...****Overall Results for sample 9 : PD11S**

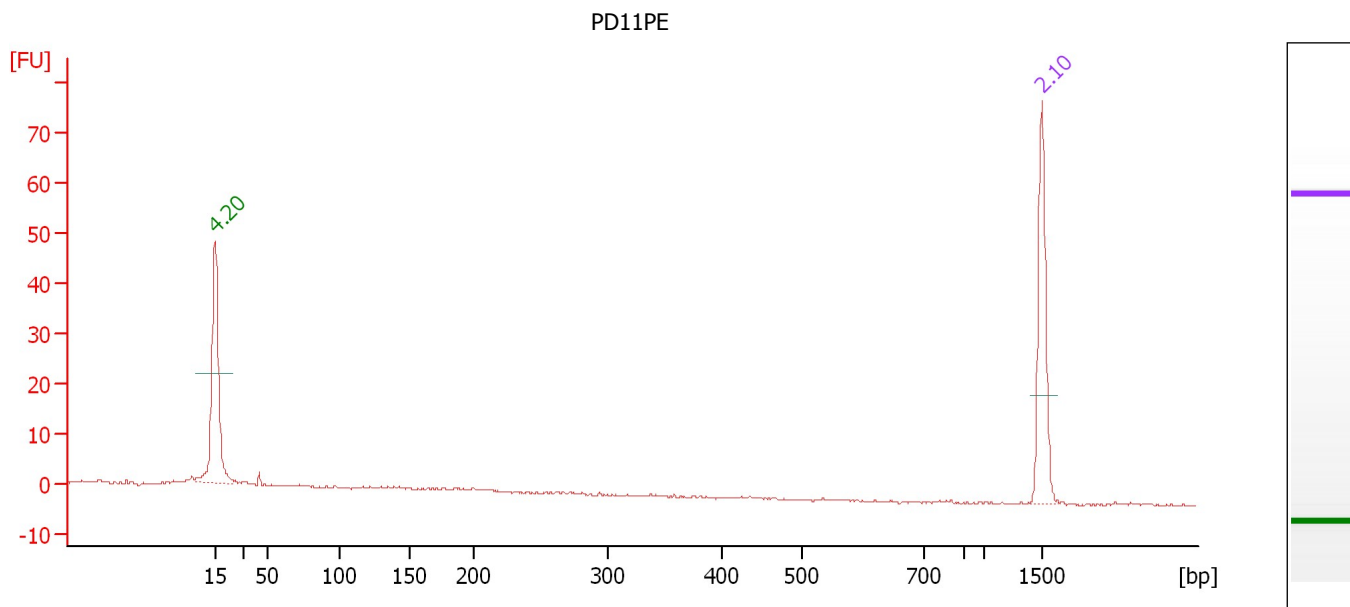
Number of peaks found: 0

**Peak table for sample 9 : PD11S**

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:\...\Pinsky20131220\_DNA 1000\_DE72901330\_2013-12-20\_15-24-31.xad

Created: 12/20/2013 3:24:31 PM  
Modified: 12/20/2013 4:06:28 PM

**Electropherogram Summary Continued ...****Overall Results for sample 10 : PD11PE**

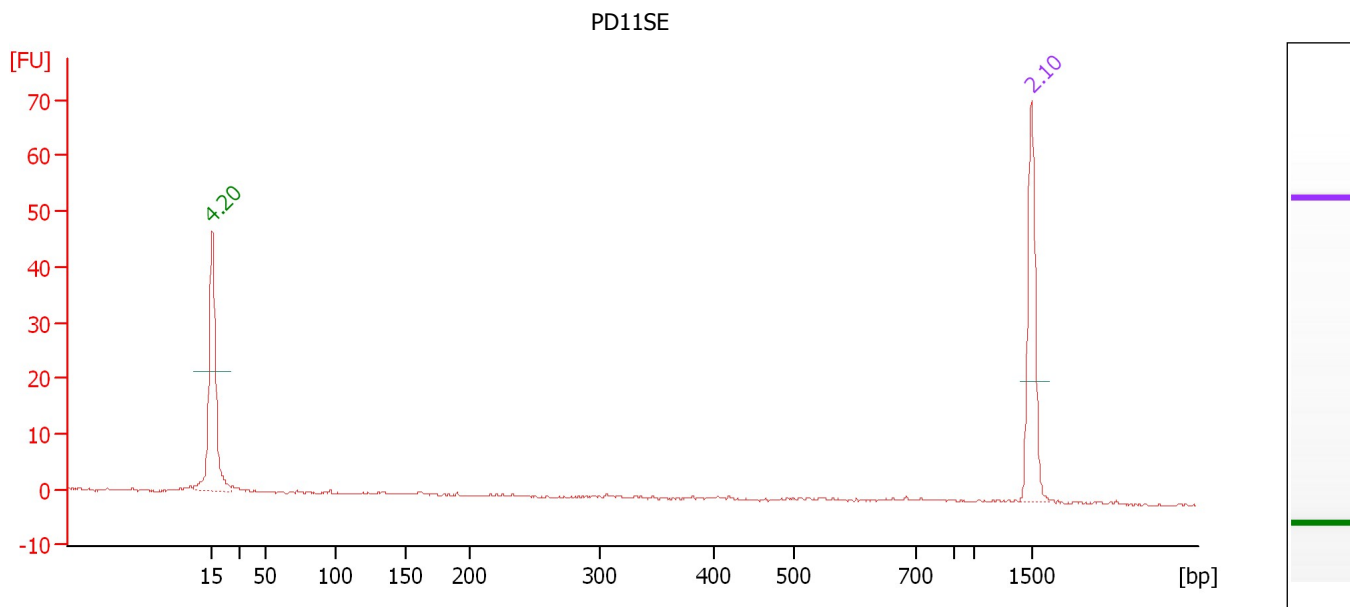
Number of peaks found: 0

**Peak table for sample 10 : 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:\...\Pinsky20131220\_DNA 1000\_DE72901330\_2013-12-20\_15-24-31.xad

Created: 12/20/2013 3:24:31 PM  
Modified: 12/20/2013 4:06:28 PM

**Electropherogram Summary Continued ...****Overall Results for sample 11 : PD11SE**

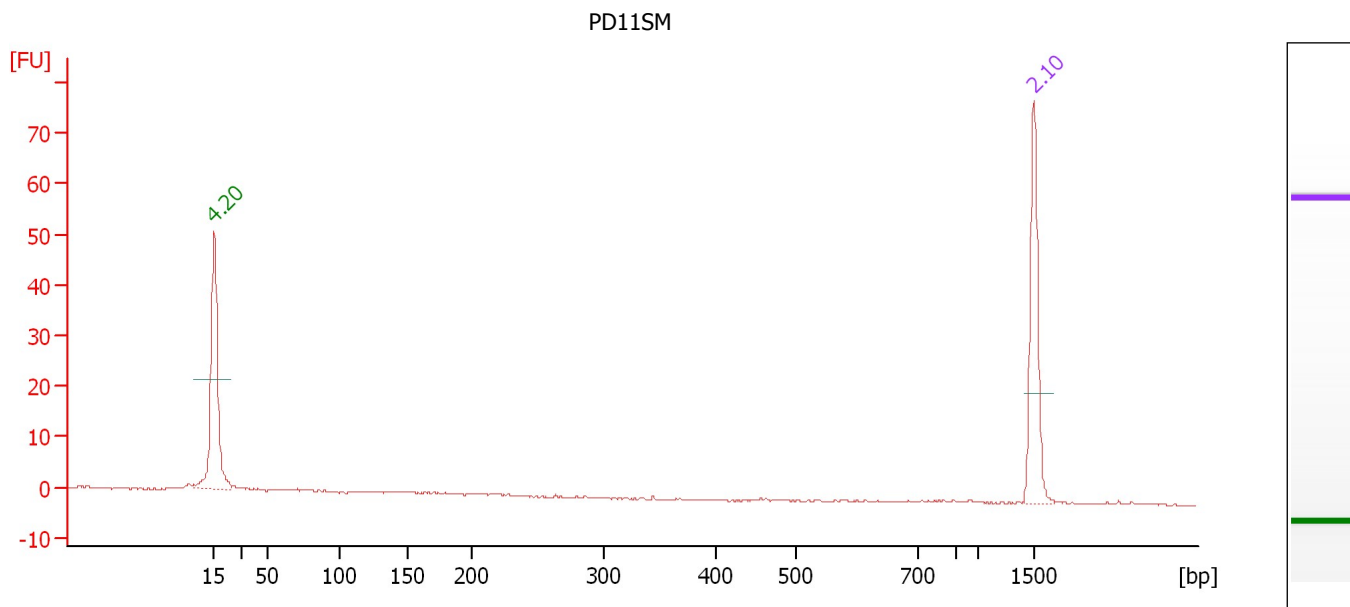
Number of peaks found: 0

**Peak table for sample 11 : 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:\...\Pinsky20131220\_DNA 1000\_DE72901330\_2013-12-20\_15-24-31.xad

Created: 12/20/2013 3:24:31 PM  
Modified: 12/20/2013 4:06:28 PM

**Electropherogram Summary Continued ...****Overall Results for sample 12 : PD11SM**

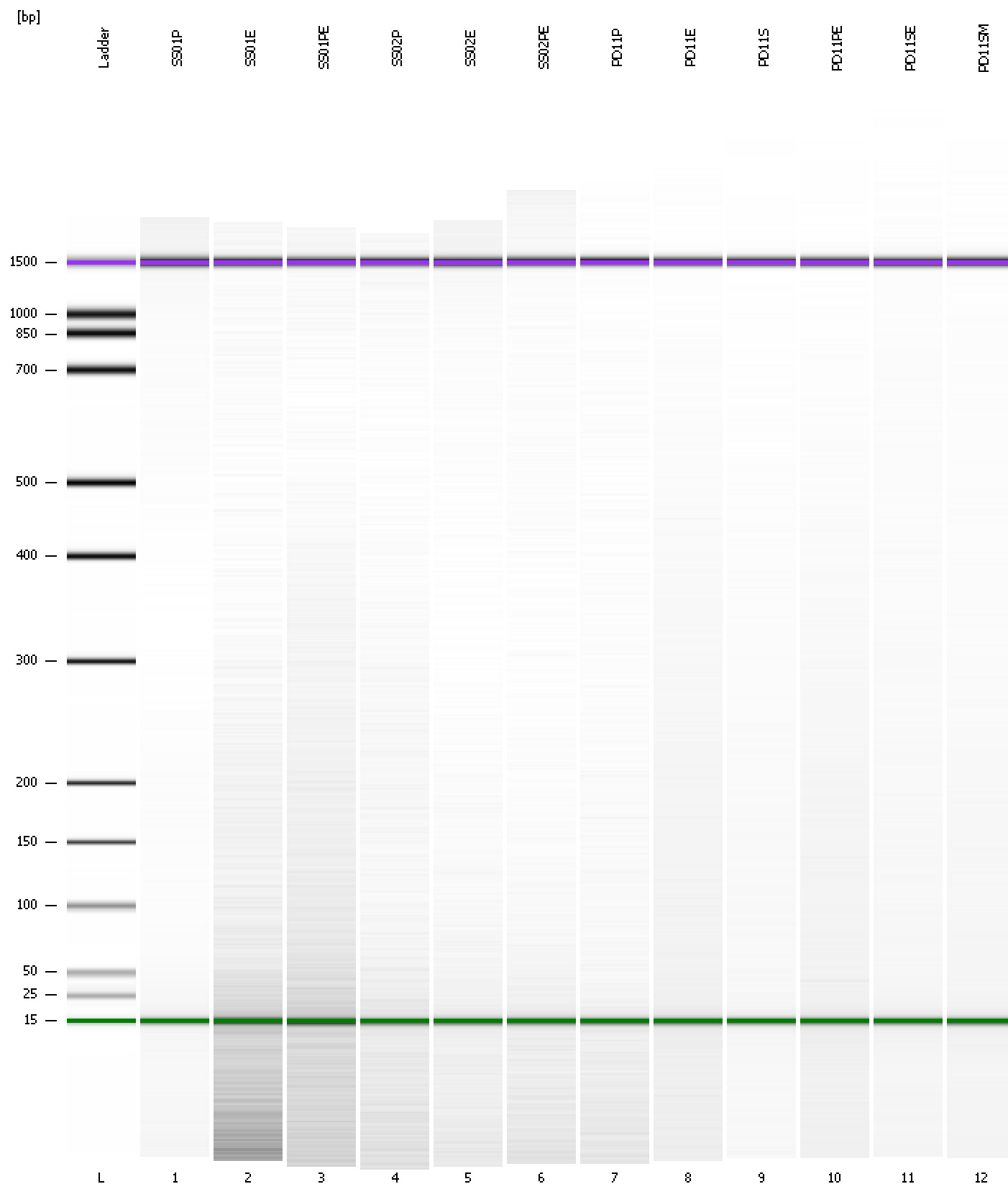
Number of peaks found: 0

**Peak table for sample 12 : 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:\...\Pinsky20131220\_DNA 1000\_DE72901330\_2013-12-20\_15-24-31.xad

Created: 12/20/2013 3:24:31 PM  
Modified: 12/20/2013 4:06:28 PM

**Gel Image**

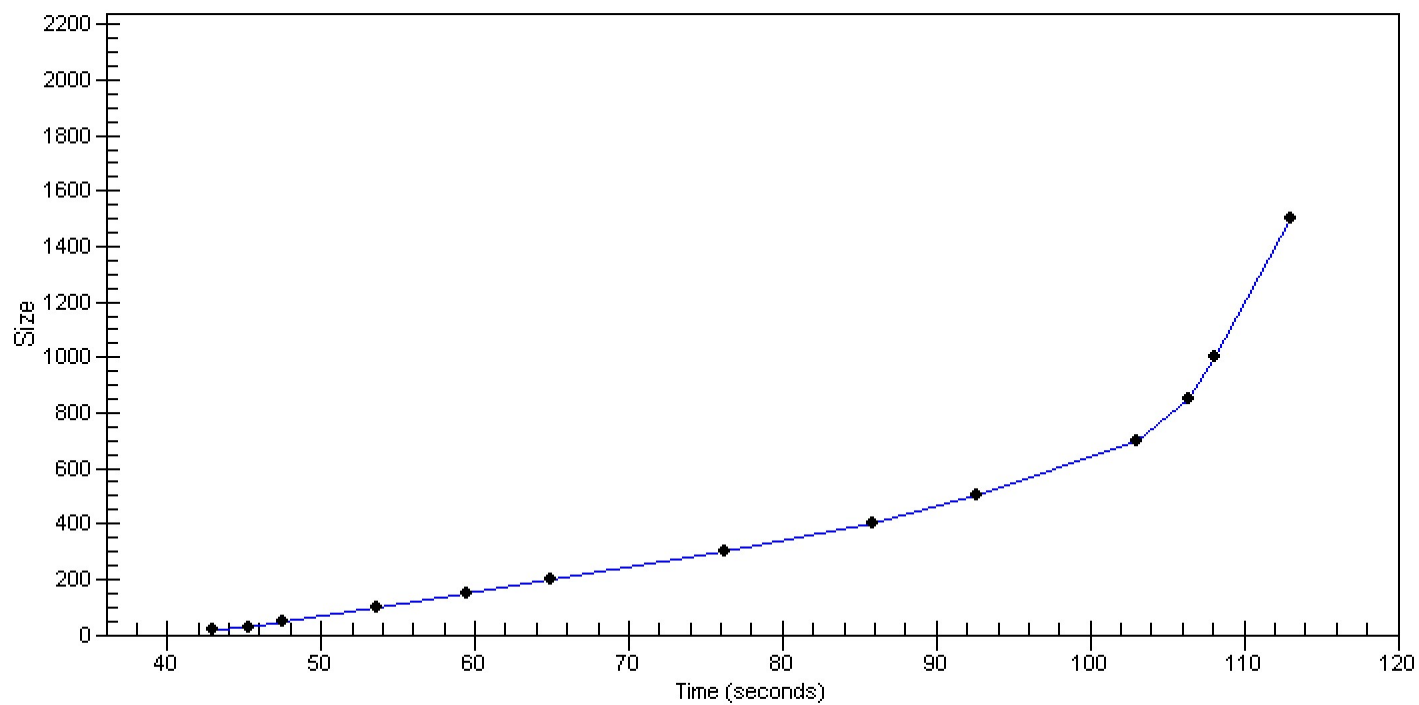


Assay Class: DNA 1000  
Data Path: C:\...\Pinsky20131220\_DNA 1000\_DE72901330\_2013-12-20\_15-24-31.xad

Created: 12/20/2013 3:24:31 PM  
Modified: 12/20/2013 4:06:28 PM

## Curves

### Standard Curve



Assay Class: DNA 1000  
 Data Path: C:\...\Pinsky20131220\_DNA 1000\_DE72901330\_2013-12-20\_15-24-31.xad

Created: 12/20/2013 3:24:31 PM  
 Modified: 12/20/2013 4:06:28 PM

**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		12/20/2013 4:06:19 PM	(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\2013-12-20\Pinsky20131220_DNA 1000_DE72901330_2013-12-20_15-24-31.xad)		Instrument	Run		12/20/2013 3:24:37 PM	(GMT --05:00) Eastern Standard Time	foran103	RUTGERS-4341 E48
Product Number : G2939A		Instrument	Run		12/20/2013 3:24:37 PM	(GMT --05:00) Eastern Standard Time	foran103	RUTGERS-4341 E48
Name :		Instrument	Run		12/20/2013 3:24:37 PM	(GMT --05:00) Eastern Standard Time	foran103	RUTGERS-4341 E48
Vendor : Agilent Technologies		Instrument	Run		12/20/2013 3:24:37 PM	(GMT --05:00) Eastern Standard Time	foran103	RUTGERS-4341 E48
Serial# : DE72901330		Instrument	Run		12/20/2013 3:24:37 PM	(GMT --05:00) Eastern Standard Time	foran103	RUTGERS-4341 E48
Firmware : C.01.069		Instrument	Run		12/20/2013 3:24:37 PM	(GMT --05:00) Eastern Standard Time	foran103	RUTGERS-4341 E48
Cartridge : Electrode		Instrument	Run		12/20/2013 3:24:37 PM	(GMT --05:00) Eastern Standard Time	foran103	RUTGERS-4341 E48