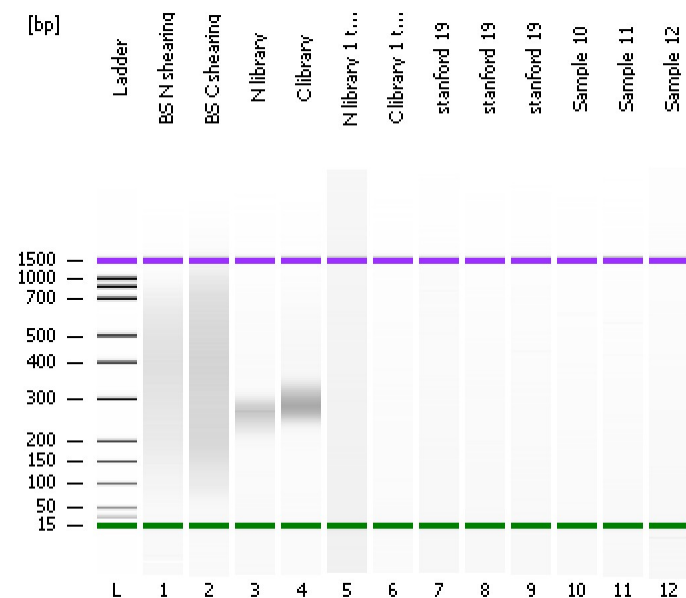


Assay Class: DNA 1000
Data Path: C:\...-02\2100 expert_DNA 1000_DE72901460_2010-02-02_14-04-56.xad

Created: 2/2/2010 2:04:57 PM
Modified: 4/28/2010 10:36:00 AM

Electrophoresis File Run SummaryInstrument Information:

Instrument Name: DE72901460
Serial#: DE72901460

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

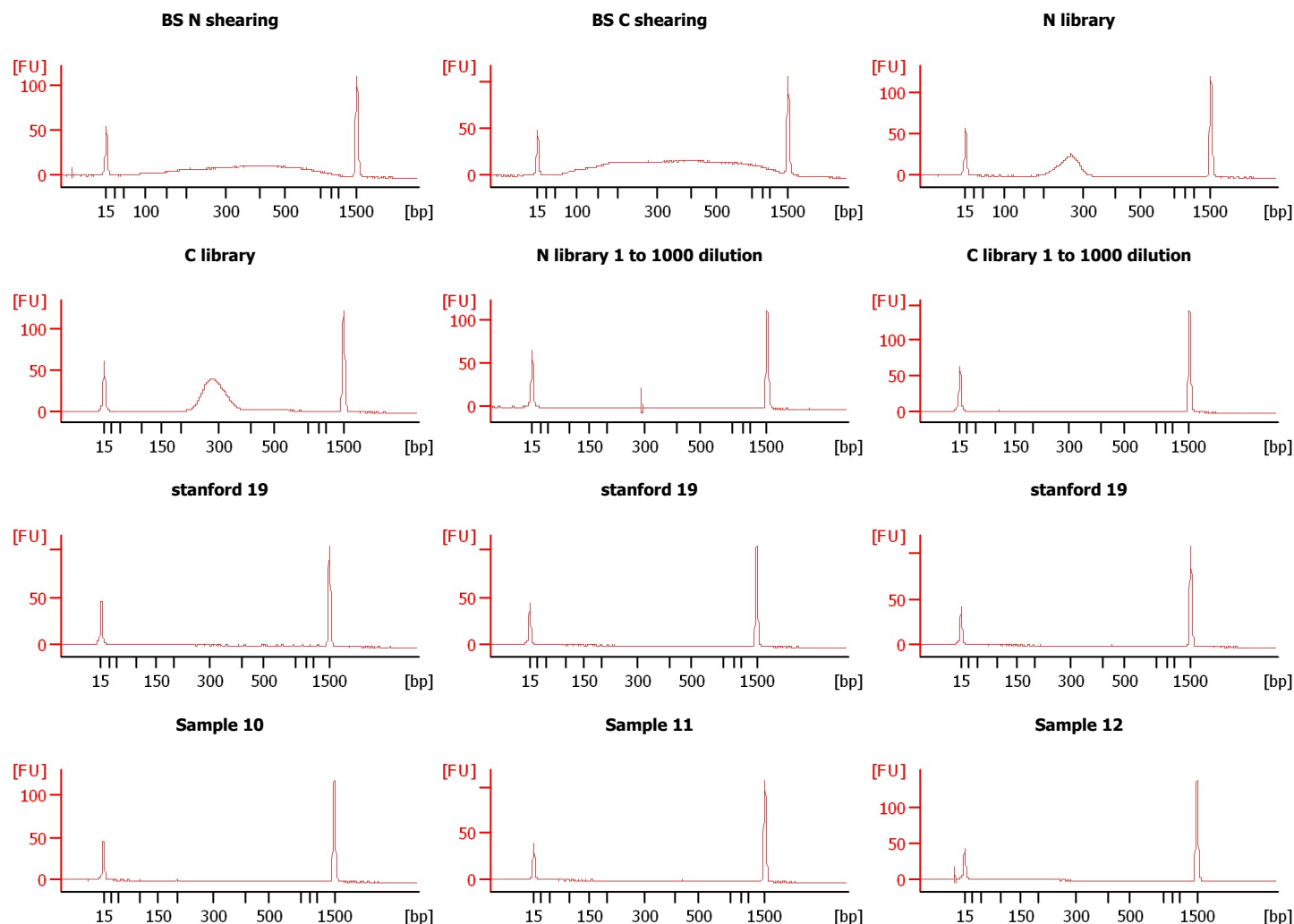
© Copyright 2003-2009 Agilent Technologies, Inc.

Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: DNA 1000
Data Path: C:\...-02\2100 expert_DNA 1000_DE72901460_2010-02-02_14-04-56.xad

Created: 2/2/2010 2:04:57 PM
Modified: 4/28/2010 10:36:00 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
BS N shearing		☐	✓			
BS C shearing		☐	✓			
N library		☐	✓			
C library		☐	✓			
N library 1 to 1000 dilution		☐	✓			
C library 1 to 1000 dilution		☐	✓			
stanford 19		☐	✓			
stanford 19		☐	✓			
stanford 19		☐	✓			
Sample 10		☐	✓			
Sample 11		☐	✓			
Sample 12		☐	✓			

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

Assay Class: DNA 1000
Data Path: C:\...-02\2100 expert_DNA 1000_DE72901460_2010-02-02_14-04-56.xad

Created: 2/2/2010 2:04:57 PM
Modified: 4/28/2010 10:36:00 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

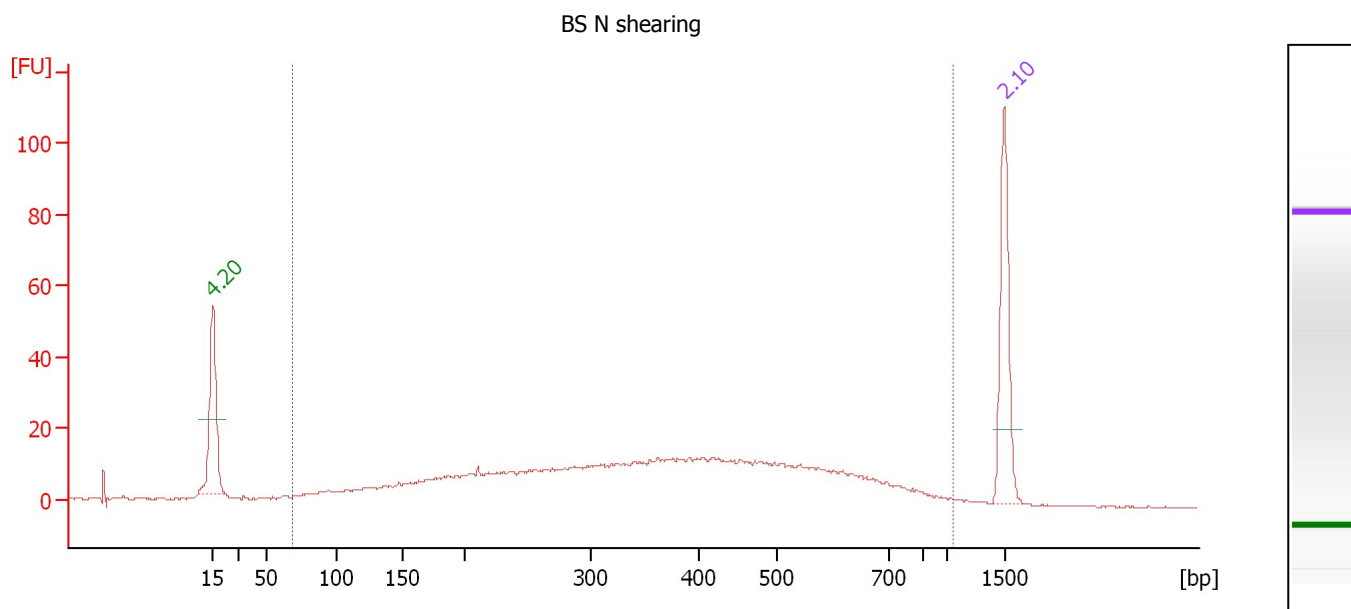
Filter Width [s] : 0.5
Polynomial Order : 4

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:\...-02\2100 expert_DNA 1000_DE72901460_2010-02-02_14-04-56.xad

Created: 2/2/2010 2:04:57 PM
Modified: 4/28/2010 10:36:00 AM

Electropherogram Summary**Overall Results for sample 1 : BS N shearing**

Number of peaks found: 0 Area 1: 472.1

Peak table for sample 1 : BS N shearing

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

Region table for sample 1 : BS N shearing

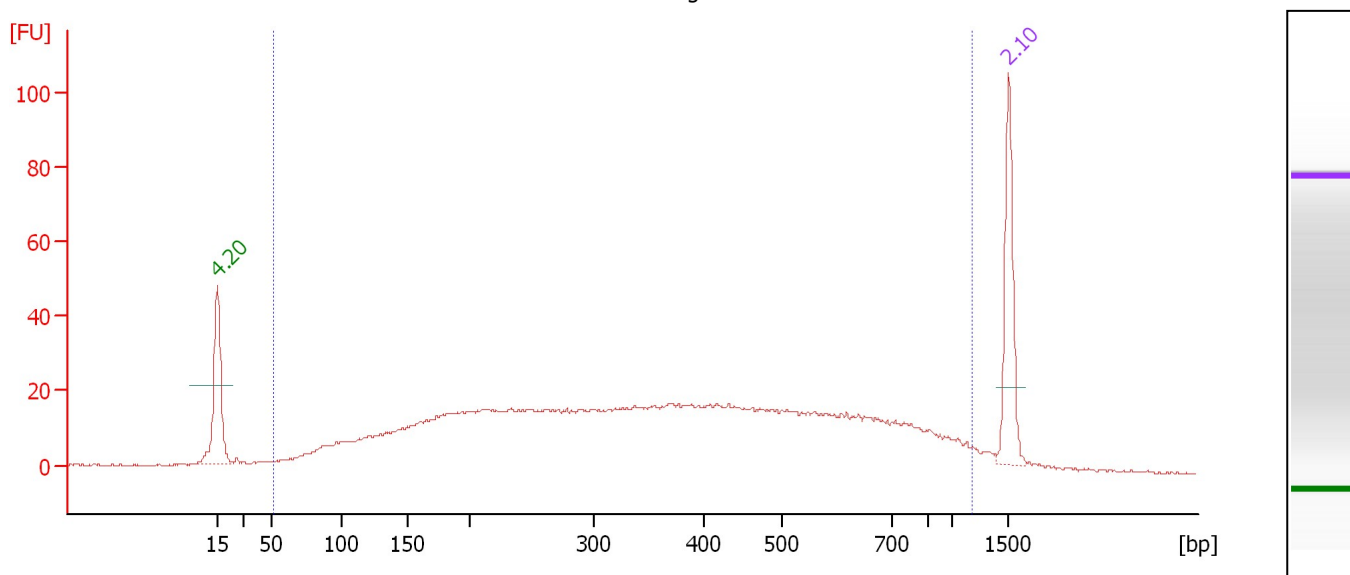
From [bp]	To [bp]	Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [ng/μl]	Col or
69	1,043	472.1	96	388	45.5	15.52	Blue

Assay Class: DNA 1000
Data Path: C:\...-02\2100 expert_DNA 1000_DE72901460_2010-02-02_14-04-56.xad

Created: 2/2/2010 2:04:57 PM
Modified: 4/28/2010 10:36:00 AM

Electropherogram Summary Continued ...

BS C shearing

**Overall Results for sample 2 : BS C shearing**

Number of peaks found: 0 Area 1: 801.6

Peak table for sample 2 : BS C shearing

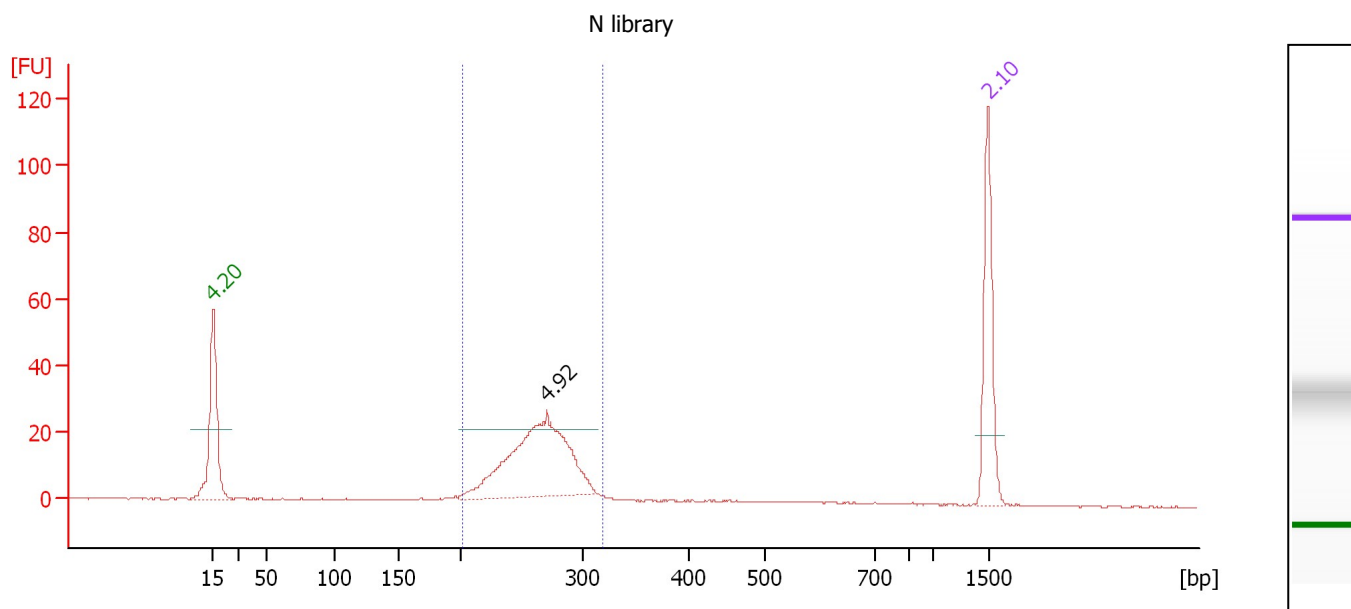
Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	1,500	2.10	2.1	Upper Marker

Region table for sample 2 : BS C shearing

From [bp]	To [bp]	Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [ng/μl]	Col or
51	1,186	801.6	97	399	54.7	29.78	Blue

Assay Class: DNA 1000
 Data Path: C:\...-02\2100 expert_DNA 1000_DE72901460_2010-02-02_14-04-56.xad

Created: 2/2/2010 2:04:57 PM
 Modified: 4/28/2010 10:36:00 AM

Electropherogram Summary Continued ...**Overall Results for sample 3 : N library**

Number of peaks found: 1 Area 1: 159.3

Peak table for sample 3 : N library

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	271	4.92	27.5	
3	1,500	2.10	2.1	Upper Marker

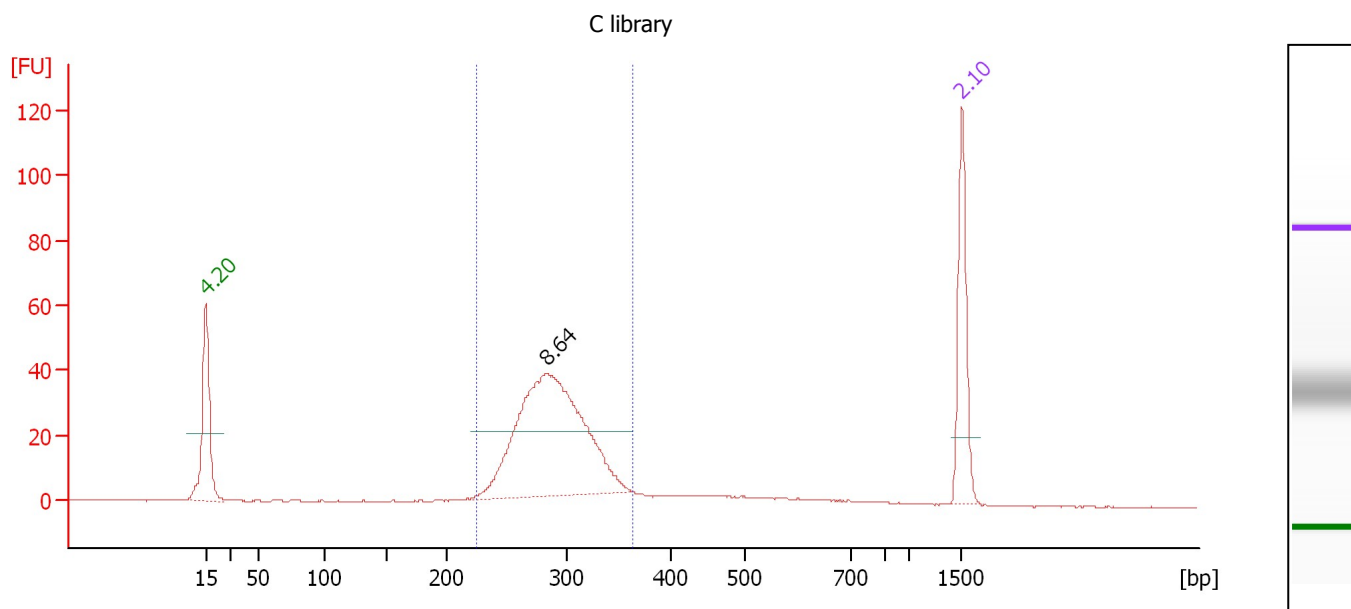
Region table for sample 3 : N library

From [bp]	To [bp]	Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [ng/μl]	Col or
203	320	159.3	85	263	9.2	5.62	Blue

Assay Class: DNA 1000
 Data Path: C:\...-02\2100 expert_DNA 1000_DE72901460_2010-02-02_14-04-56.xad

Created: 2/2/2010 2:04:57 PM
 Modified: 4/28/2010 10:36:00 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : C library

Number of peaks found: 1 Area 1: 291.1

Peak table for sample 4 : C library

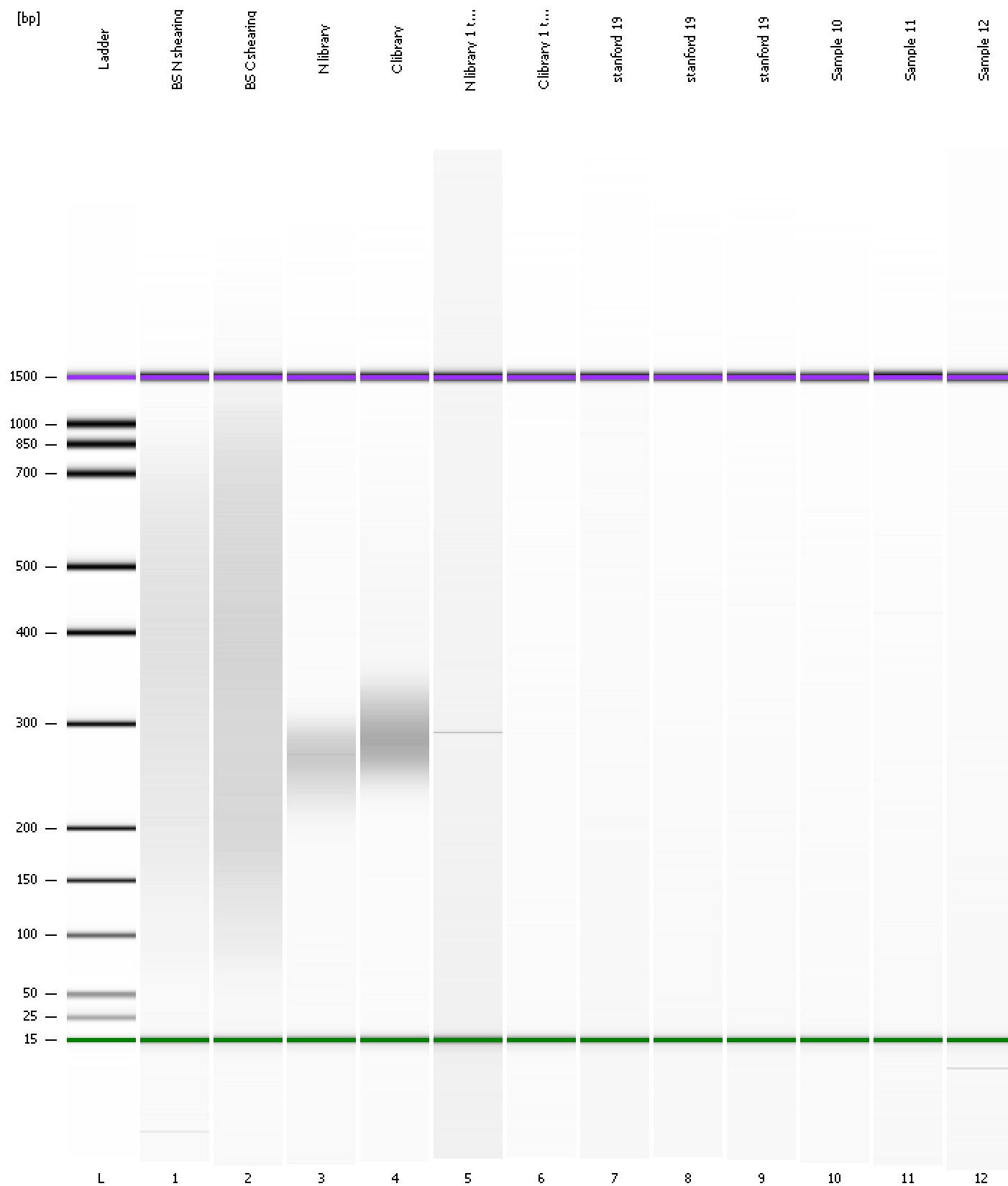
Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	284	8.64	46.2	
3	1,500	2.10	2.1	Upper Marker

Region table for sample 4 : C library

From [bp]	To [bp]	Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [ng/μl]	Col or
225	363	291.1	83	290	9.7	9.56	Blue

Assay Class: DNA 1000
Data Path: C:\...-02\2100 expert_DNA 1000_DE72901460_2010-02-02_14-04-56.xad

Created: 2/2/2010 2:04:57 PM
Modified: 4/28/2010 10:36:00 AM

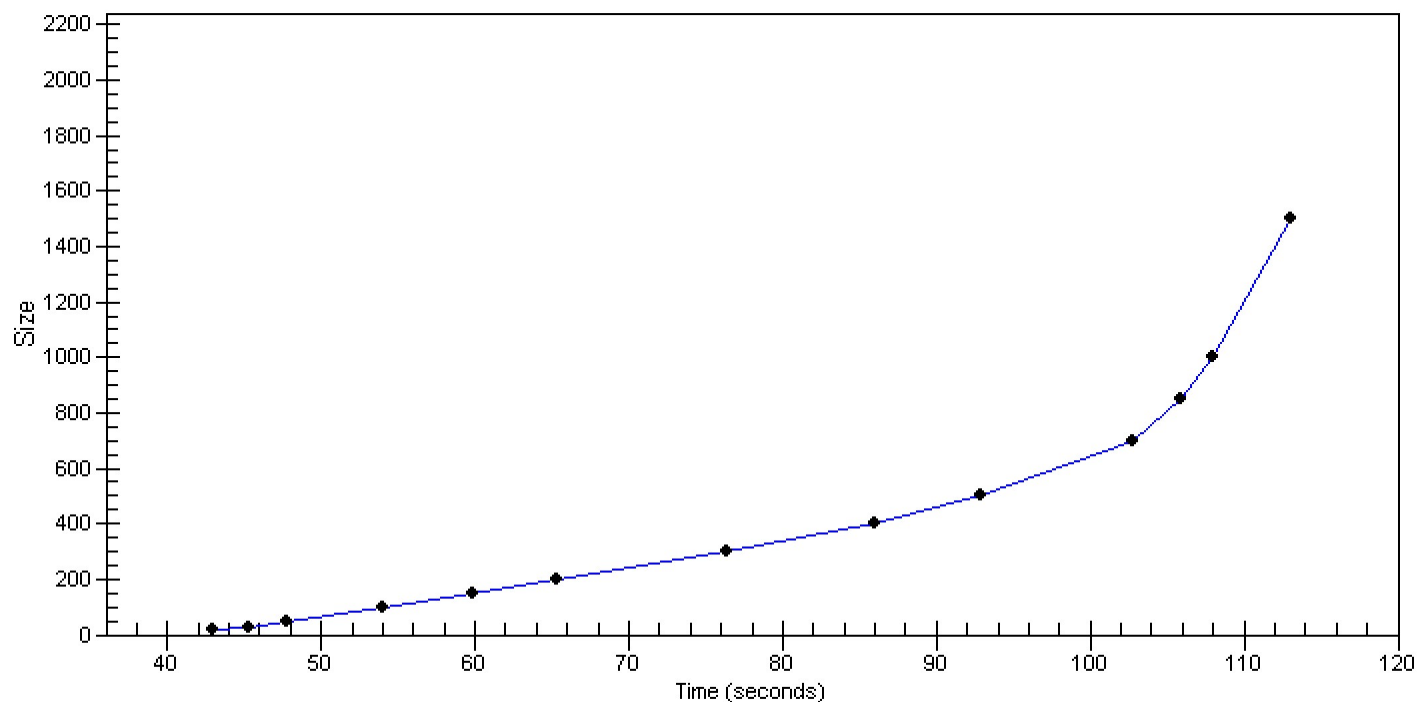
Gel Image

Assay Class: DNA 1000
Data Path: C:\...-02\2100 expert_DNA 1000_DE72901460_2010-02-02_14-04-56.xad

Created: 2/2/2010 2:04:57 PM
Modified: 4/28/2010 10:36:00 AM

Curves

Standard Curve



Assay Class: DNA 1000
 Data Path: C:\...-02\2100 expert_DNA 1000_DE72901460_2010-02-02_14-04-56.xad

Created: 2/2/2010 2:04:57 PM
 Modified: 4/28/2010 10:36:00 AM

Run Logbook

Description	Number	Source	Category	Sub Category	Time Stamp	Time Zone	User	Host
Run ended on port 3 (Number of wells acquired: 13)		Instrument	Run		2/2/2010 2:46:48 PM	(GMT --08:00) Pacific Standard Time	Alex	OMNIBOOK
Run started on port 3 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\Data\2010-02-02\2100 expert_DNA 1000_DE72901460_2010-02-02_14-04-56.xad)		Instrument	Run		2/2/2010 2:05:04 PM	(GMT --08:00) Pacific Standard Time	Alex	OMNIBOOK
Product Number : G2939A		Instrument	Run		2/2/2010 2:05:04 PM	(GMT --08:00) Pacific Standard Time	Alex	OMNIBOOK
Name :		Instrument	Run		2/2/2010 2:05:04 PM	(GMT --08:00) Pacific Standard Time	Alex	OMNIBOOK
Vendor : Agilent Technologies		Instrument	Run		2/2/2010 2:05:04 PM	(GMT --08:00) Pacific Standard Time	Alex	OMNIBOOK
Serial# : DE72901460		Instrument	Run		2/2/2010 2:05:04 PM	(GMT --08:00) Pacific Standard Time	Alex	OMNIBOOK
Firmware : C.01.069		Instrument	Run		2/2/2010 2:05:04 PM	(GMT --08:00) Pacific Standard Time	Alex	OMNIBOOK
Cartridge : Electrode		Instrument	Run		2/2/2010 2:05:04 PM	(GMT --08:00) Pacific Standard Time	Alex	OMNIBOOK