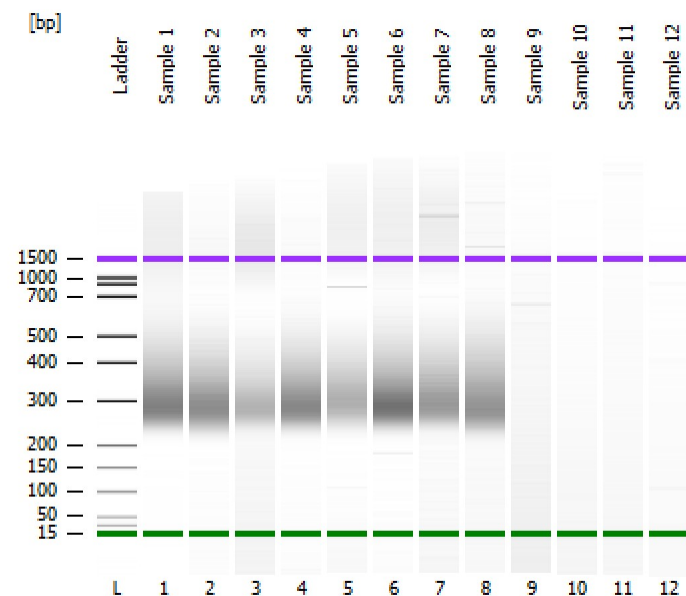


Assay Class: DNA 1000
Data Path: F:\..._YF\2100 expert_DNA 1000_DE72904985_2012-07-01_00-23-16.xad

Created: 6/30/2012 3:23:15 PM
Modified: 8/24/2012 7:04:10 AM

Electrophoresis File Run SummaryInstrument Information:

Instrument Name: DE72904985

Firmware: C.01.069

Serial#: DE72904985

Type: G2938C

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

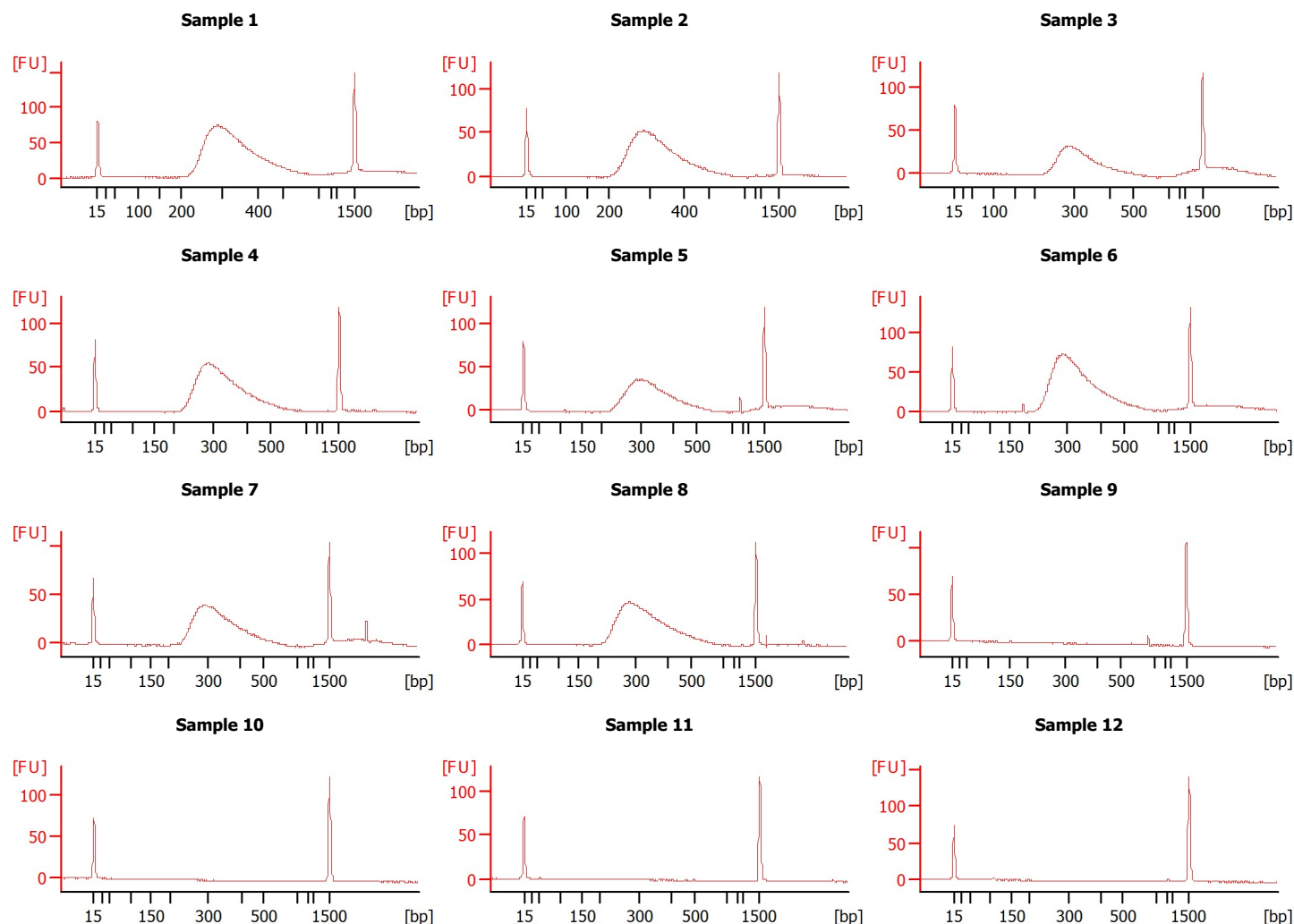
© Copyright 2003-2009 Agilent Technologies, Inc.

Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: DNA 1000
Data Path: F:\...\YF\2100 expert_DNA 1000_DE72904985_2012-07-01_00-23-16.xad

Created: 6/30/2012 3:23:15 PM
Modified: 8/24/2012 7:04:10 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
Sample 1		☐	✓			
Sample 2		☐	✓			
Sample 3		☐	✓			
Sample 4		☐	✓			
Sample 5		☐	✓			
Sample 6		☐	✓			
Sample 7		☐	✓			
Sample 8		☐	✓			
Sample 9		☐	✓			
Sample 10		☐	✓			
Sample 11		☐	✓			
Sample 12		☐	✓			
Ladder		☐	✓			

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

Assay Class: DNA 1000
Data Path: F:\...\YF\2100 expert_DNA 1000_DE72904985_2012-07-01_00-23-16.xad

Created: 6/30/2012 3:23:15 PM
Modified: 8/24/2012 7:04:10 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/ μ l] : 44
Uses Standard Area for Ladder Fragments
Lower Marker Concentration [ng/ μ l] : 4.2
Upper Marker Concentration [ng/ μ l] : 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

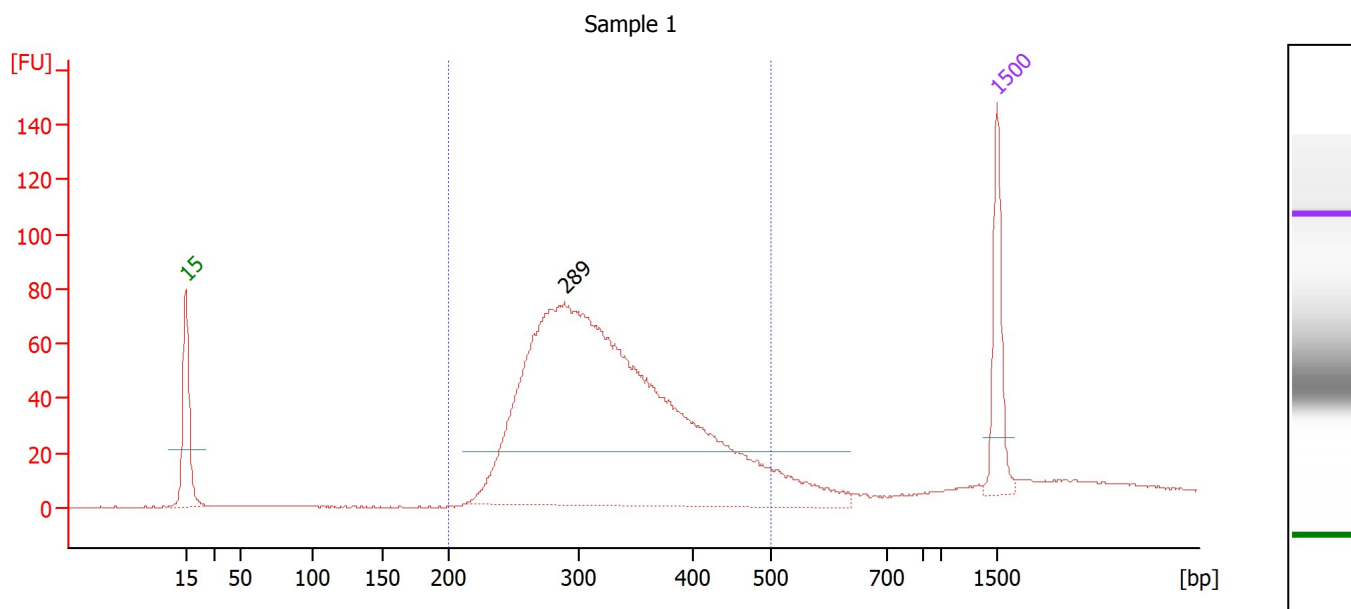
Ladder

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: F:\...\YF\2100 expert_DNA 1000_DE72904985_2012-07-01_00-23-16.xad

Created: 6/30/2012 3:23:15 PM
 Modified: 8/24/2012 7:04:10 AM

Electropherogram Summary



Overall Results for sample 1 : Sample 1

Number of peaks found: 1 Area 1: 1,001.2

Peak table for sample 1 : Sample 1

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	289	30.73	161.1	
3	1,500	2.10	2.1	Upper Marker

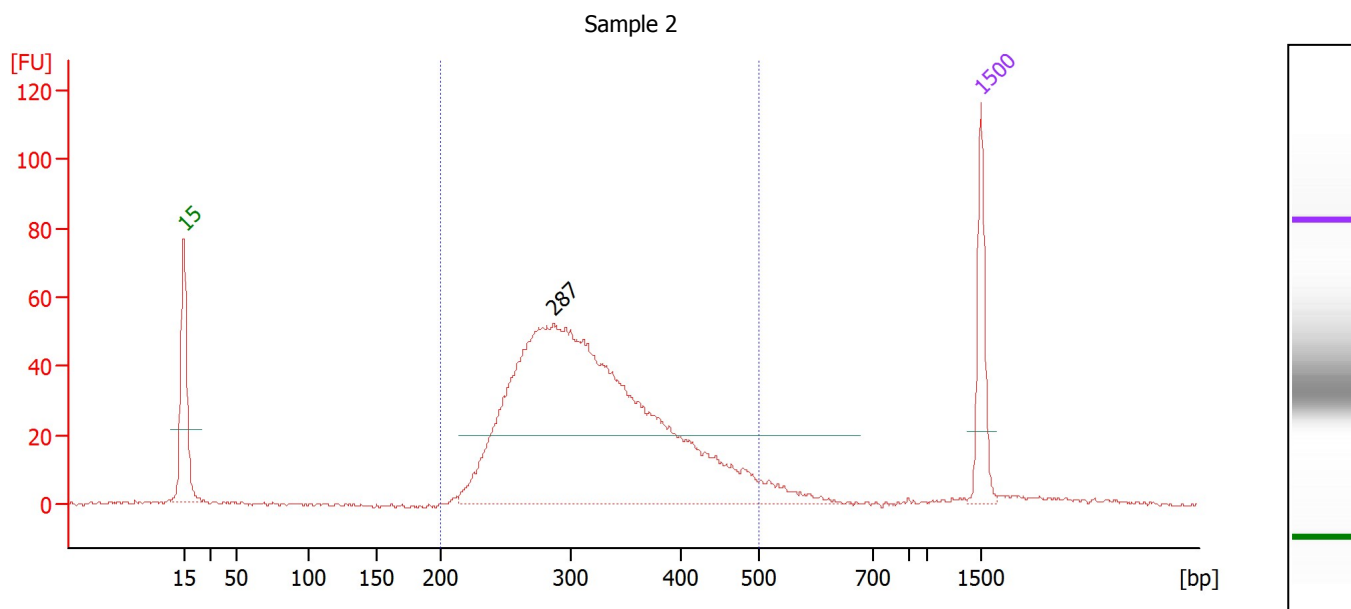
Region table for sample 1 : Sample 1

From [bp]	To [bp]	Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [ng/μl]	Color
200	500	1,001.2	92	326	18.3	25.41	Blue

Assay Class: DNA 1000
 Data Path: F:\...\YF\2100 expert_DNA 1000_DE72904985_2012-07-01_00-23-16.xad

Created: 6/30/2012 3:23:15 PM
 Modified: 8/24/2012 7:04:10 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 : Sample 2

Number of peaks found: 1 Area 1: 737.1

Peak table for sample 2 : Sample 2

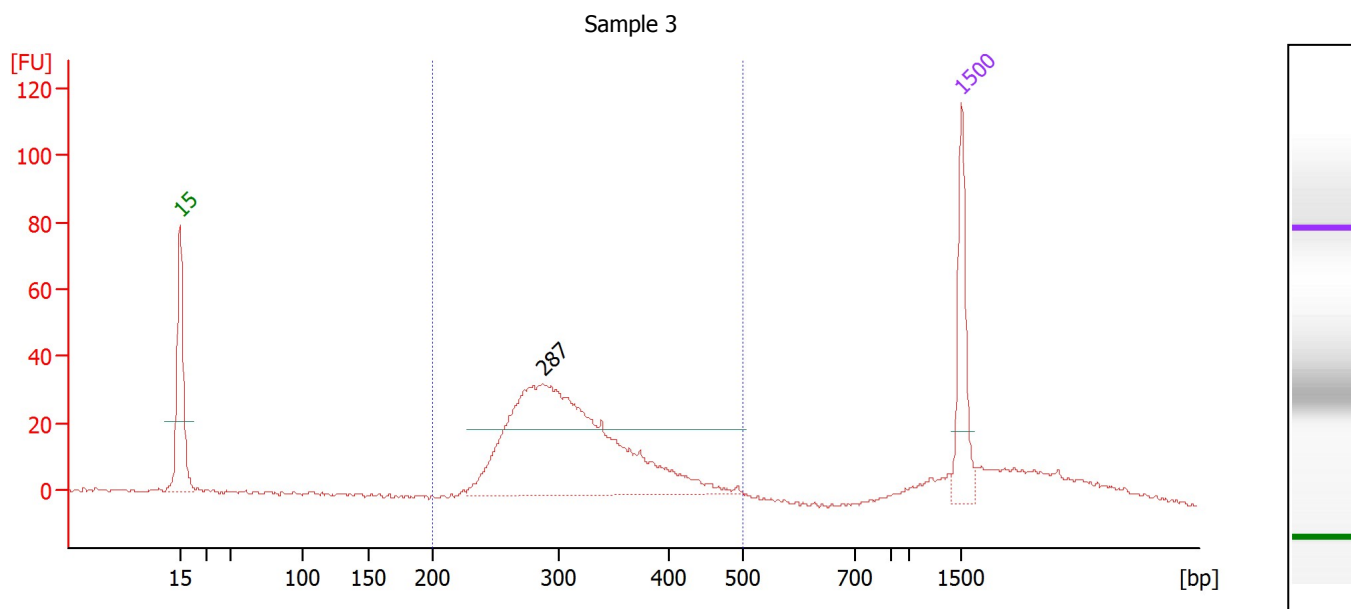
Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	287	29.06	153.7	
3	1,500	2.10	2.1	Upper Marker

Region table for sample 2 : Sample 2

From [bp]	To [bp]	Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [ng/μl]	Col or
200	500	737.1	94	321	18.9	26.53	Blue

Assay Class: DNA 1000
 Data Path: F:\...\YF\2100 expert_DNA 1000_DE72904985_2012-07-01_00-23-16.xad

Created: 6/30/2012 3:23:15 PM
 Modified: 8/24/2012 7:04:10 AM

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

Number of peaks found: 1 Area 1: 382.0

Peak table for sample 3 : Sample 3

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	287	12.28	64.9	
3	1,500	2.10	2.1	Upper Marker

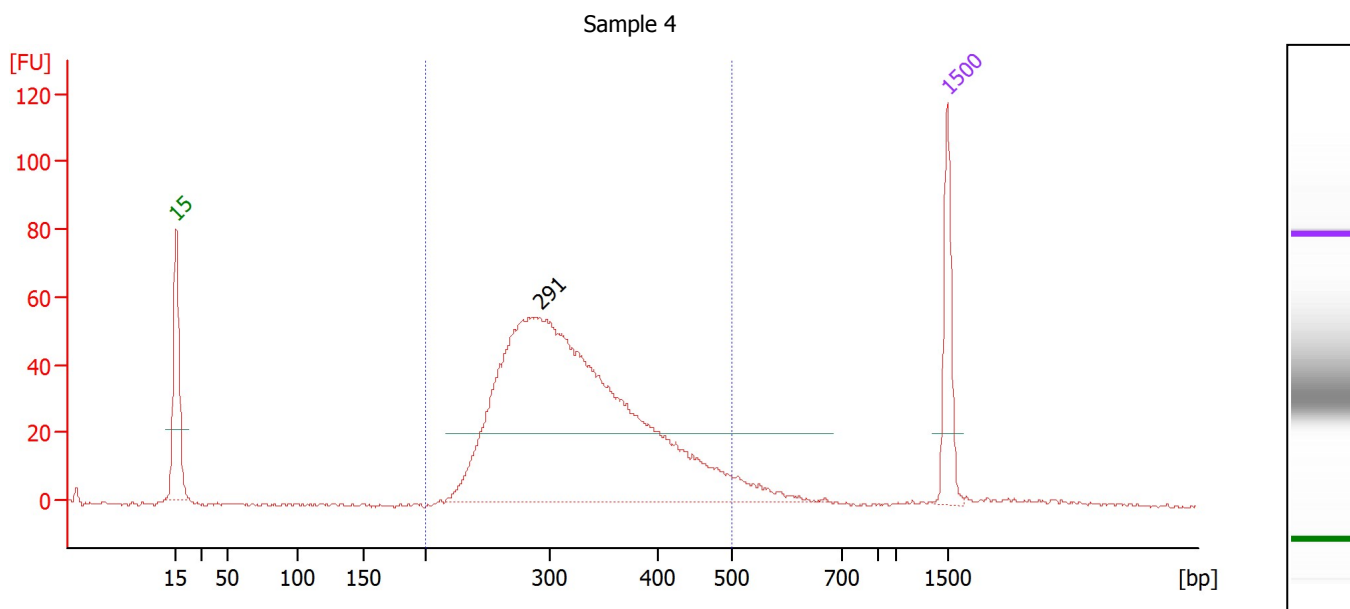
Region table for sample 3 : Sample 3

From [bp]	To [bp]	Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [ng/μl]	Col or
200	500	382.0	71	318	16.9	12.14	Blue

Assay Class: DNA 1000
 Data Path: F:\..._YF\2100 expert_DNA 1000_DE72904985_2012-07-01_00-23-16.xad

Created: 6/30/2012 3:23:15 PM
 Modified: 8/24/2012 7:04:10 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : Sample 4

Number of peaks found: 1 Area 1: 733.3

Peak table for sample 4 : Sample 4

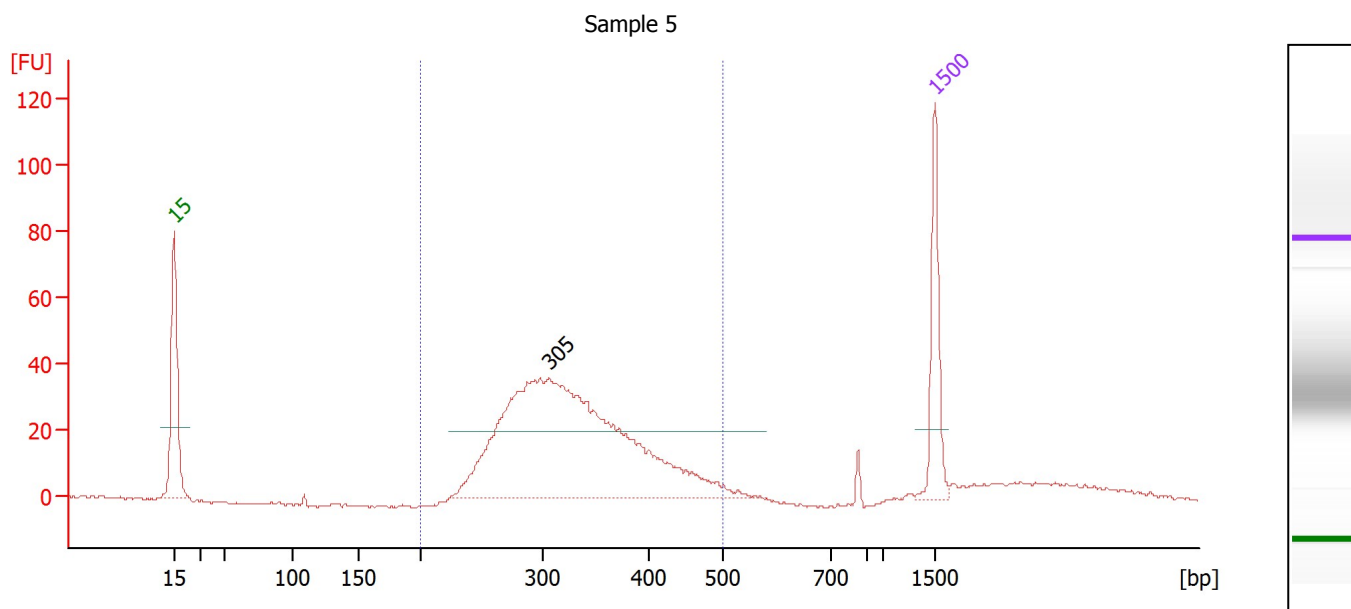
Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	291	27.37	142.6	
3	1,500	2.10	2.1	Upper Marker

Region table for sample 4 : Sample 4

From [bp]	To [bp]	Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [ng/μl]	Col or
200	500	733.3	93	325	18.4	25.25	Blue

Assay Class: DNA 1000
 Data Path: F:\...\YF\2100 expert_DNA 1000_DE72904985_2012-07-01_00-23-16.xad

Created: 6/30/2012 3:23:15 PM
 Modified: 8/24/2012 7:04:10 AM

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

Number of peaks found: 1 Area 1: 455.5

Peak table for sample 5 : Sample 5

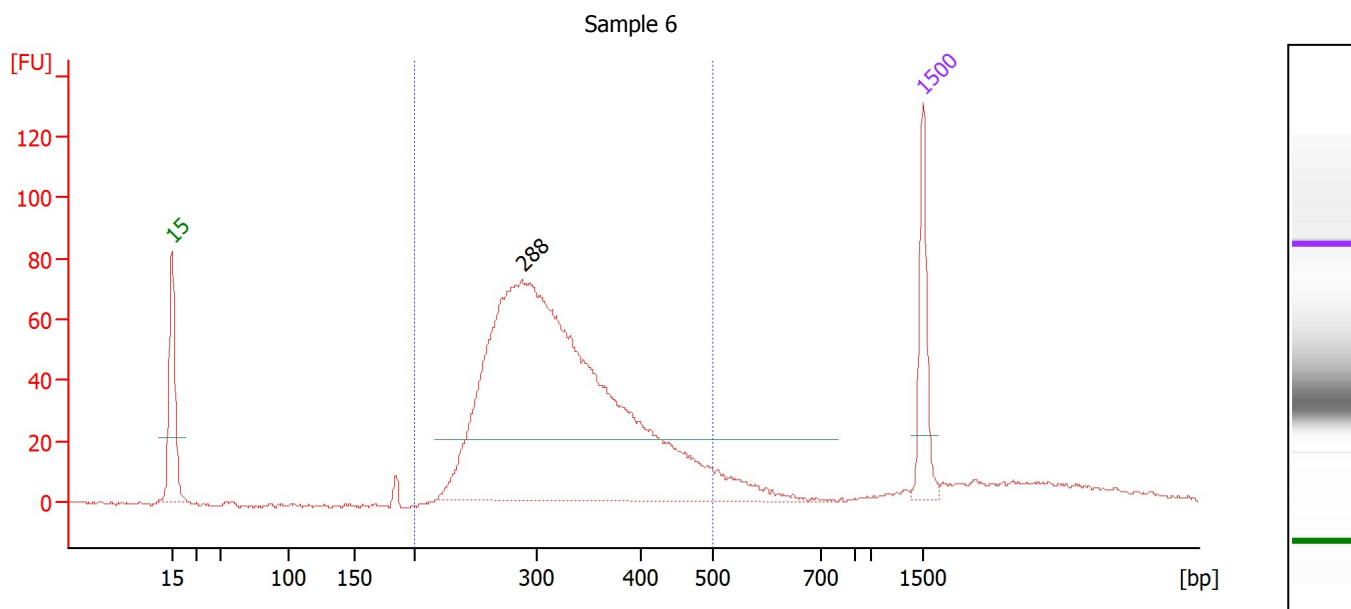
Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	305	16.29	80.8	
3	1,500	2.10	2.1	Upper Marker

Region table for sample 5 : Sample 5

From [bp]	To [bp]	Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [ng/μl]	Col or
200	500	455.5	84	330	17.1	15.48	Blue

Assay Class: DNA 1000
 Data Path: F:\..._YF\2100 expert_DNA 1000_DE72904985_2012-07-01_00-23-16.xad

Created: 6/30/2012 3:23:15 PM
 Modified: 8/24/2012 7:04:10 AM

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

Number of peaks found: 1 Area 1: 901.9

Peak table for sample 6 : Sample 6

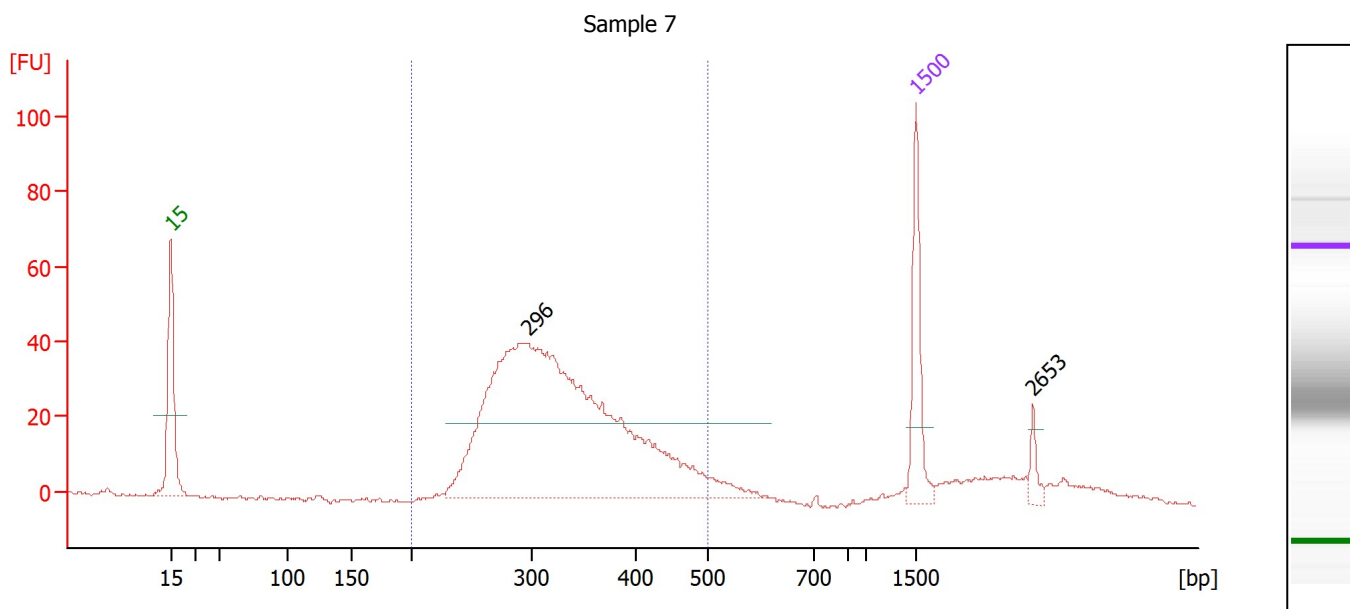
Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	288	30.85	162.1	
3	1,500	2.10	2.1	Upper Marker

Region table for sample 6 : Sample 6

From [bp]	To [bp]	Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [ng/μl]	Col or
200	500	901.9	86	325	18.3	28.05	Blue

Assay Class: DNA 1000
 Data Path: F:\..._YF\2100 expert_DNA 1000_DE72904985_2012-07-01_00-23-16.xad

Created: 6/30/2012 3:23:15 PM
 Modified: 8/24/2012 7:04:10 AM

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

Number of peaks found: 1 Area 1: 526.1

Peak table for sample 7 : Sample 7

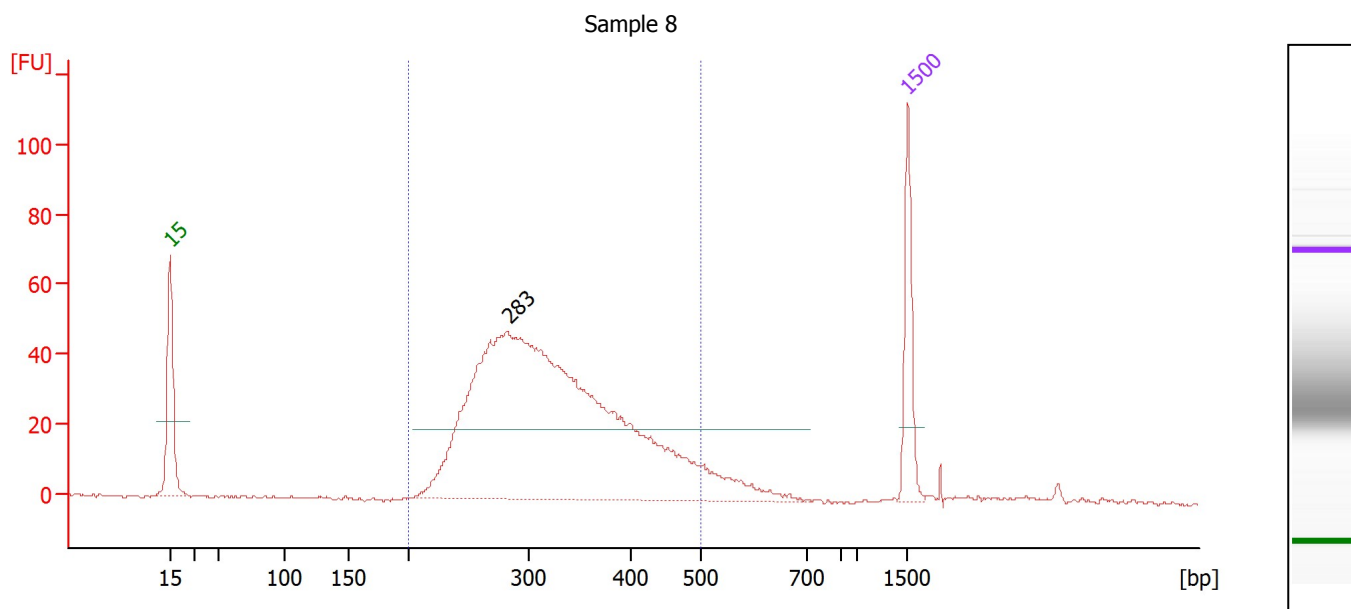
Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	296	21.98	112.3	
3	1,500	2.10	2.1	Upper Marker
4	2,653	0.00	0.0	

Region table for sample 7 : Sample 7

From [bp]	To [bp]	Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [ng/μl]	Col or
200	500	526.1	79	331	17.8	20.34	Blue

Assay Class: DNA 1000
 Data Path: F:\..._YF\2100 expert_DNA 1000_DE72904985_2012-07-01_00-23-16.xad

Created: 6/30/2012 3:23:15 PM
 Modified: 8/24/2012 7:04:10 AM

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

Number of peaks found: 1 Area 1: 663.5

Peak table for sample 8 : Sample 8

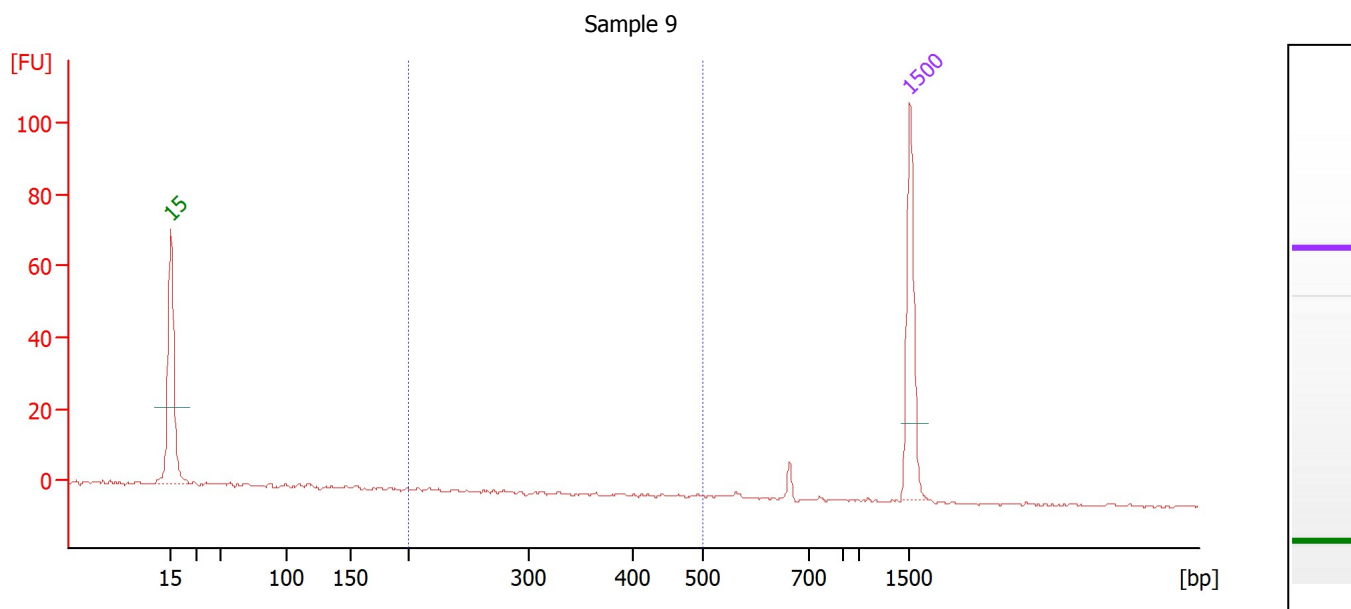
Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	283	29.28	156.6	
3	1,500	2.10	2.1	Upper Marker

Region table for sample 8 : Sample 8

From [bp]	To [bp]	Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [ng/μl]	Col or
200	500	663.5	91	326	19.6	25.86	Blue

Assay Class: DNA 1000
 Data Path: F:\...\YF\2100 expert_DNA 1000_DE72904985_2012-07-01_00-23-16.xad

Created: 6/30/2012 3:23:15 PM
 Modified: 8/24/2012 7:04:10 AM

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

Number of peaks found: 0 Area 1: 0.1

Peak table for sample 9 : Sample 9

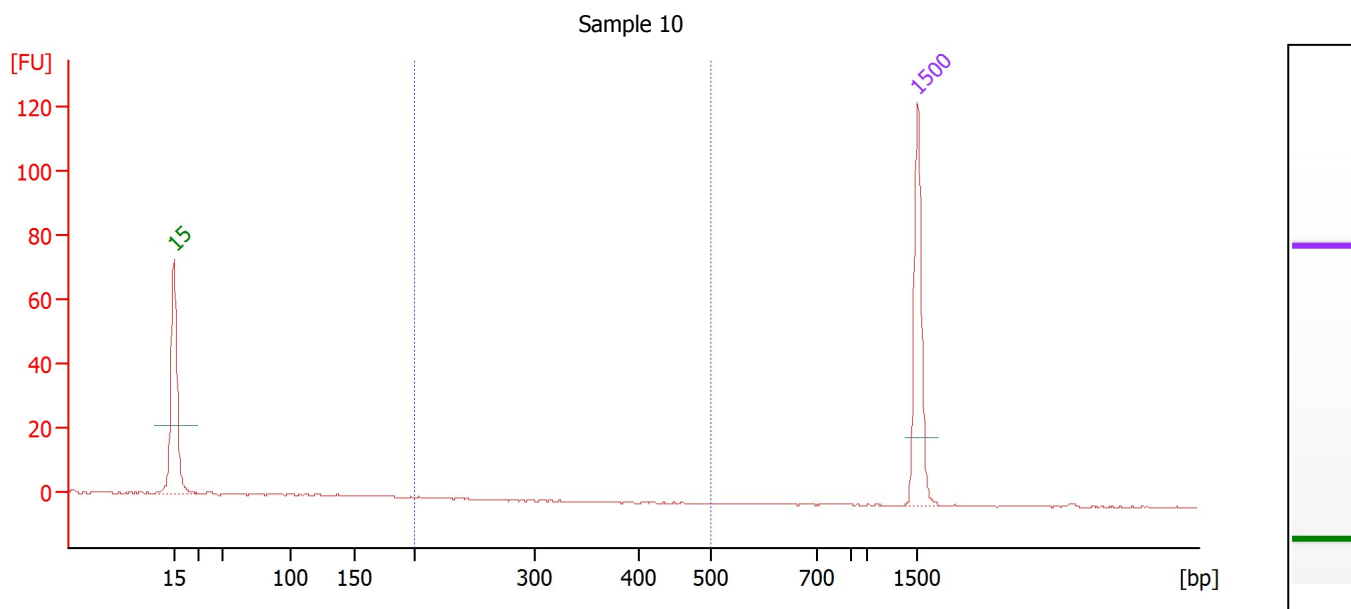
Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	1,500	2.10	2.1	Upper Marker

Region table for sample 9 : Sample 9

From [bp]	To [bp]	Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [ng/μl]	Col or
200	500	0.1	1	293	38.7	0.00	Blue

Assay Class: DNA 1000
Data Path: F:\...\YF\2100 expert_DNA 1000_DE72904985_2012-07-01_00-23-16.xad

Created: 6/30/2012 3:23:15 PM
Modified: 8/24/2012 7:04:10 AM

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

Number of peaks found: 0 Area 1: 0.0

Peak table for sample 10 : Sample 10

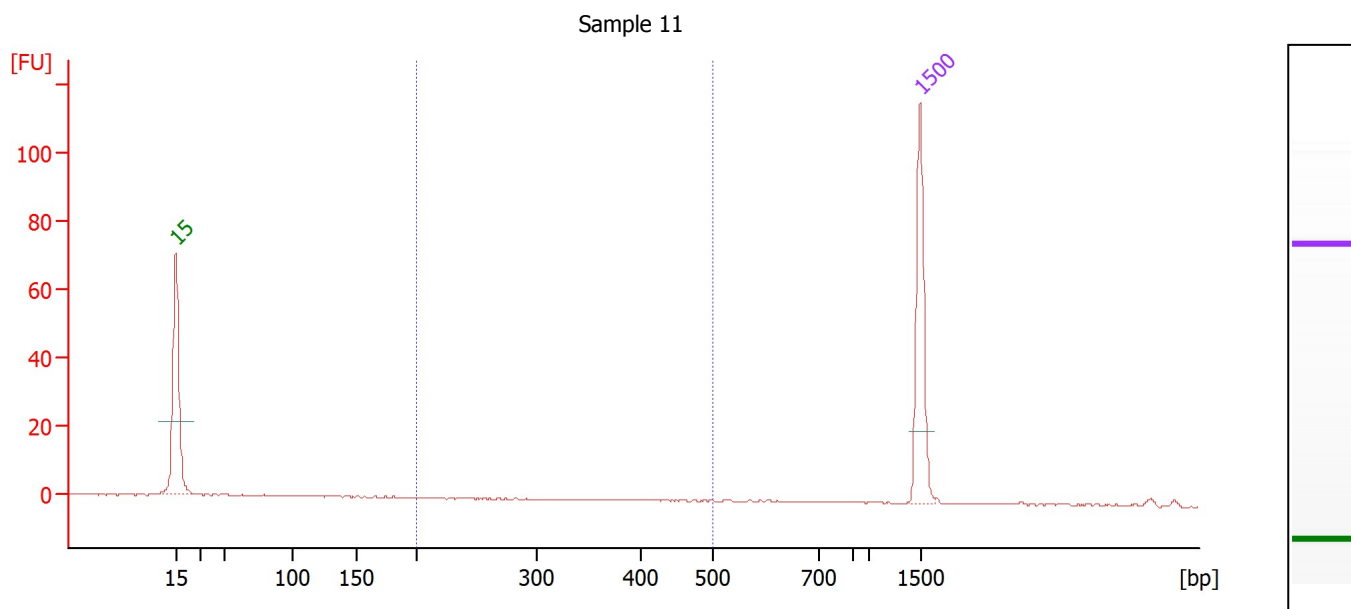
Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	1,500	2.10	2.1	Upper Marker

Region table for sample 10 : Sample 10

From [bp]	To [bp]	Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [ng/μl]	Col or
200	500	0.0	1	214	5.4	0.00	Blue

Assay Class: DNA 1000
 Data Path: F:\...\YF\2100 expert_DNA 1000_DE72904985_2012-07-01_00-23-16.xad

Created: 6/30/2012 3:23:15 PM
 Modified: 8/24/2012 7:04:10 AM

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

Number of peaks found: 0 Area 1: 0.8

Peak table for sample 11 : Sample 11

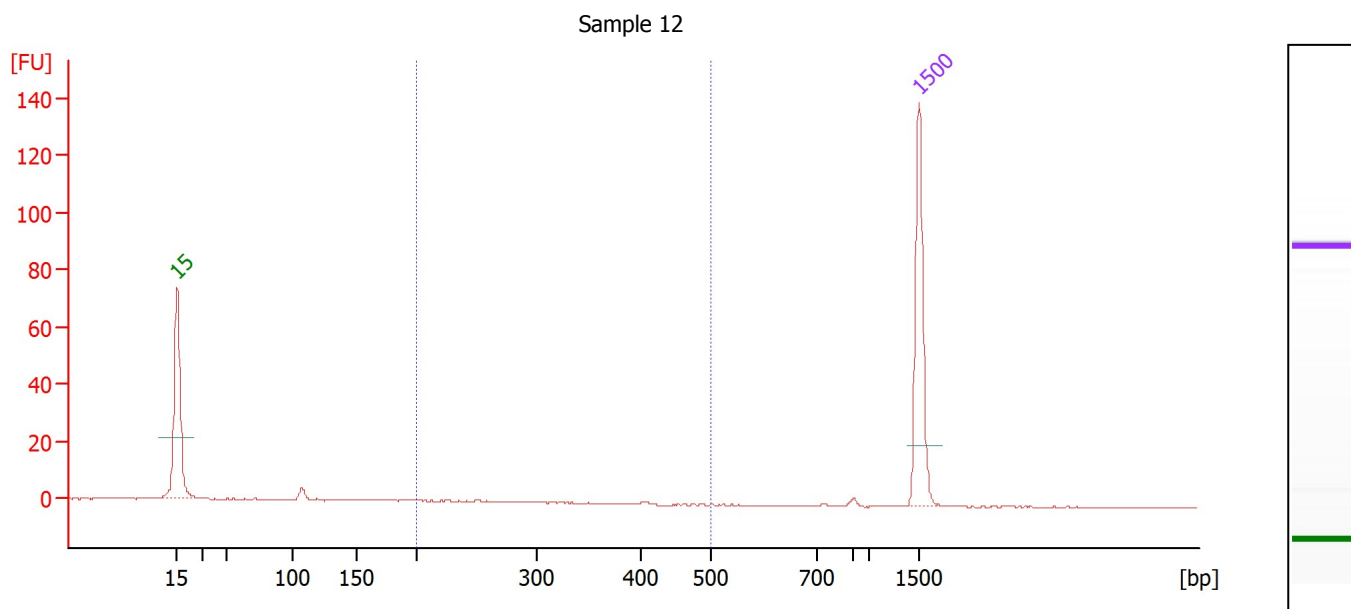
Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	1,500	2.10	2.1	Upper Marker

Region table for sample 11 : Sample 11

From [bp]	To [bp]	Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [ng/μl]	Col or
200	500	0.8	6	405	19.8	0.03	Blue

Assay Class: DNA 1000
Data Path: F:\...\YF\2100 expert_DNA 1000_DE72904985_2012-07-01_00-23-16.xad

Created: 6/30/2012 3:23:15 PM
Modified: 8/24/2012 7:04:10 AM

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

Number of peaks found: 0 Area 1: 0.7

Peak table for sample 12 : Sample 12

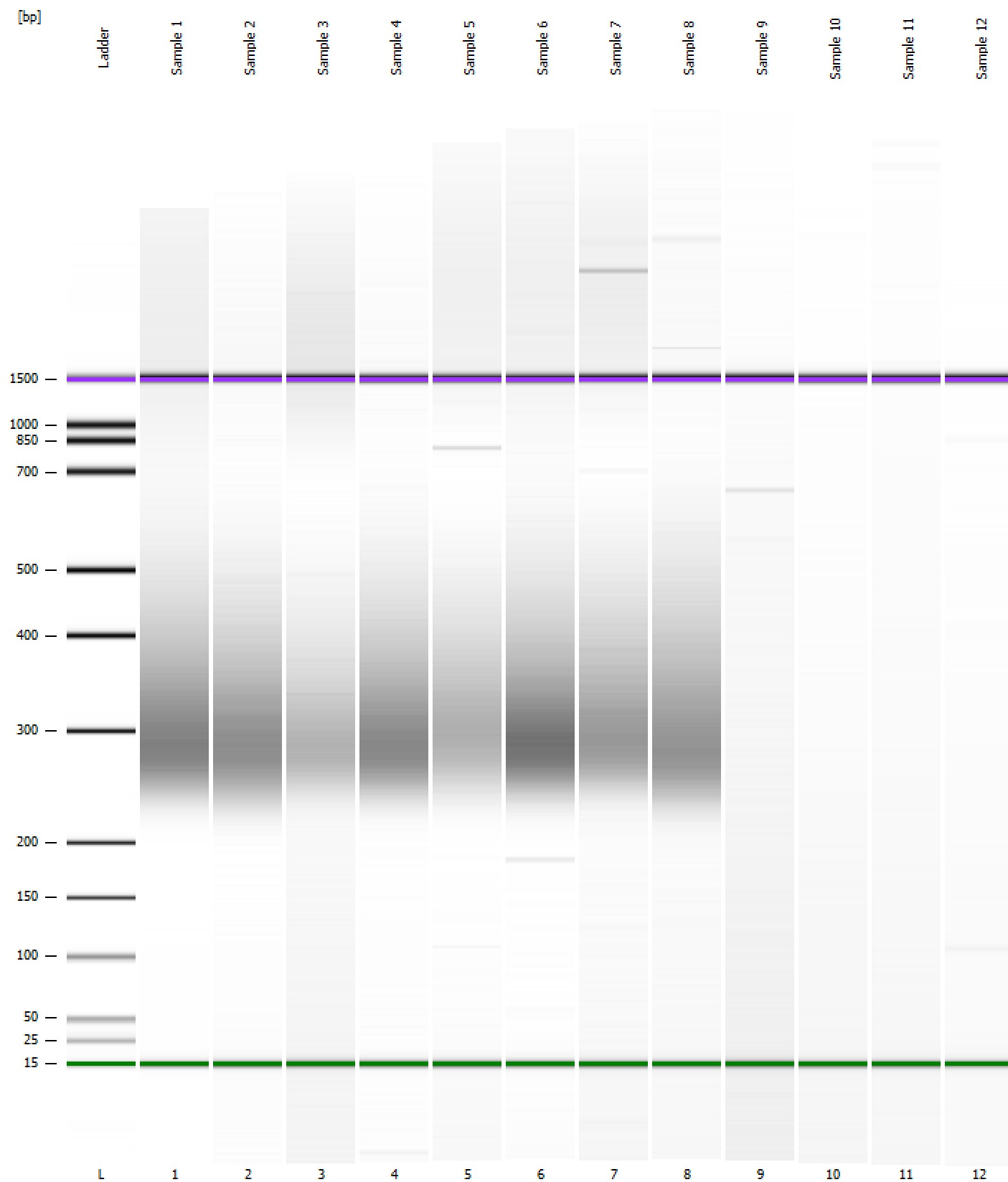
Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	1,500	2.10	2.1	Upper Marker

Region table for sample 12 : Sample 12

From [bp]	To [bp]	Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [ng/μl]	Col or
200	500	0.7	10	257	23.6	0.02	Blue

Assay Class: DNA 1000
Data Path: F:\...\YF\2100 expert_DNA 1000_DE72904985_2012-07-01_00-23-16.xad

Created: 6/30/2012 3:23:15 PM
Modified: 8/24/2012 7:04:10 AM

Gel Image

Assay Class: DNA 1000
Data Path: F:\..._YF\2100 expert_DNA 1000_DE72904985_2012-07-01_00-23-16.xad

Created: 6/30/2012 3:23:15 PM
Modified: 8/24/2012 7:04:10 AM

Curves

Standard Curve

