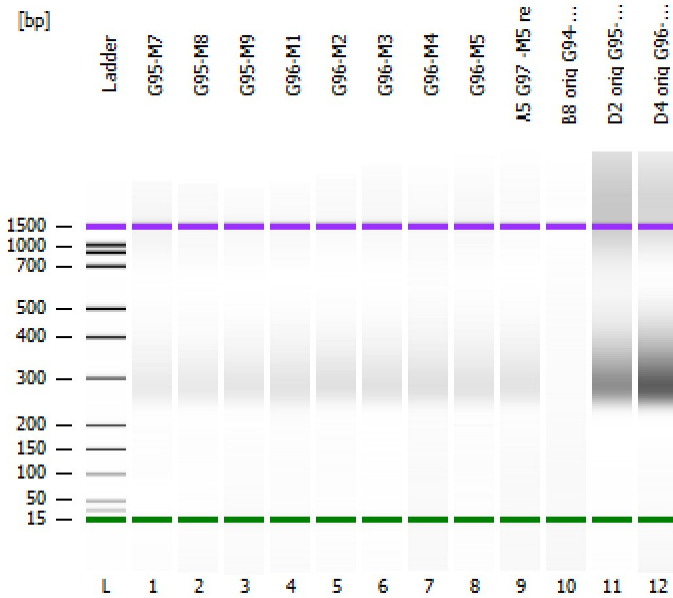


Assay Class: DNA 1000  
Data Path: C:\...axman\_12-3-2013 from Sherry\Waxman Library C 2013-10-29.xad

Created: 10/29/2013 11:55:42 AM  
Modified: 10/30/2013 10:32:12 AM

Electrophoresis File Run Summary



Instrument Information:

Instrument Name: DE72901059      Firmware: C.01.069  
Serial#: DE72901059              Type: G2939A

Assay Information:

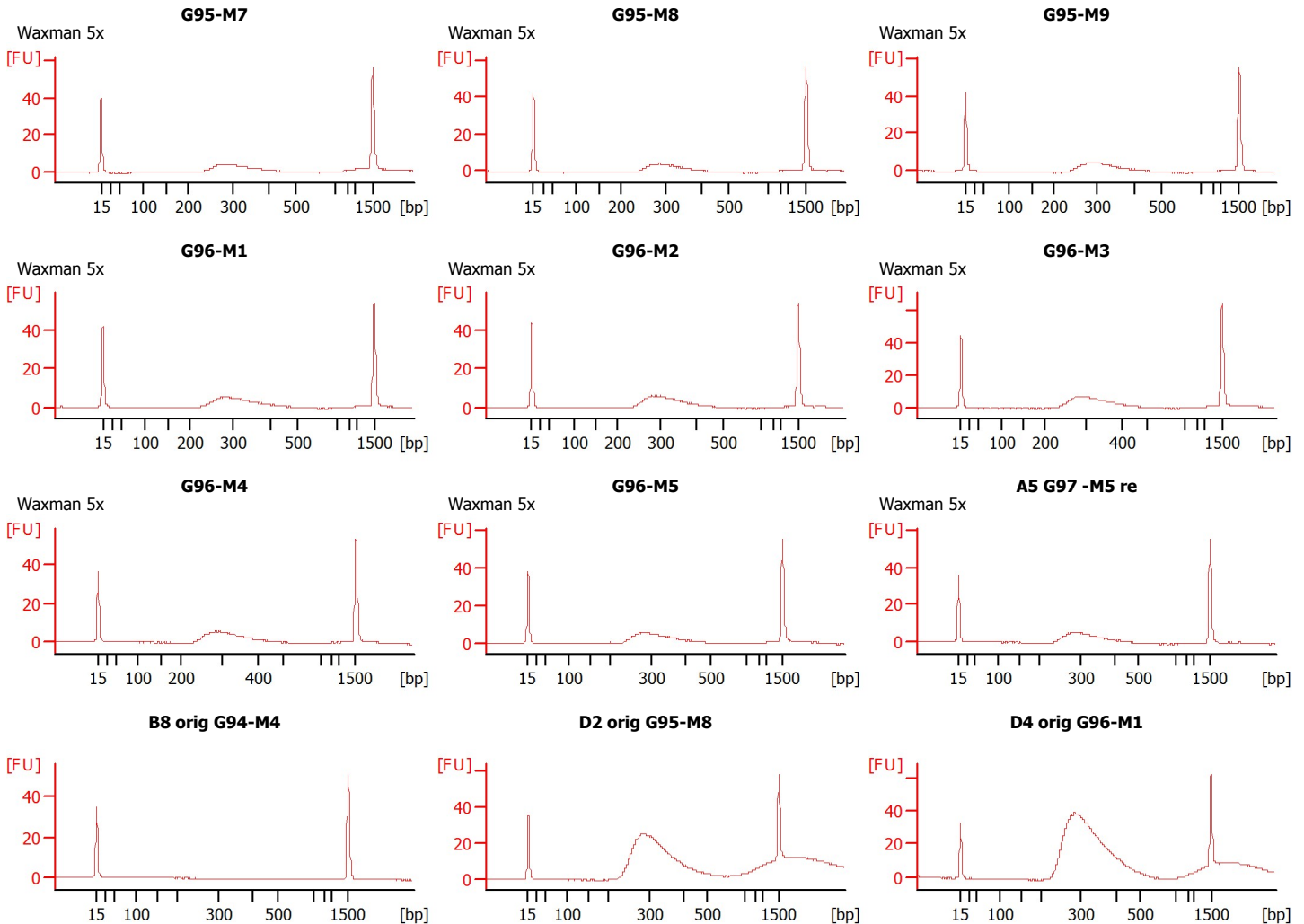
Assay Origin Path: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\assays\dsDNA\DNA 1000 Series II.xsy

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:\...axman\_12-3-2013 from Sherry\Waxman Library C 2013-10-29.xad

Created: 10/29/2013 11:55:42 AM  
 Modified: 10/30/2013 10:32:12 AM

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

Sample Name	Sample Comment	Rest. Digest	Sta tus	Observation	Result Label	Result Color
G95-M7	Waxman 5x	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
G95-M8	Waxman 5x	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
G95-M9	Waxman 5x	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
G96-M1	Waxman 5x	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
G96-M2	Waxman 5x	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
G96-M3	Waxman 5x	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
G96-M4	Waxman 5x	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
G96-M5	Waxman 5x	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
A5 G97 -M5 re	Waxman 5x	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
B8 orig G94-M4		<input type="checkbox"/>	<input checked="" type="checkbox"/>			
D2 orig G95-M8		<input type="checkbox"/>	<input checked="" type="checkbox"/>			
D4 orig G96-M1		<input type="checkbox"/>	<input checked="" type="checkbox"/>			
Ladder		<input type="checkbox"/>	<input checked="" type="checkbox"/>			

**Chip Lot #**

**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: DNA 1000  
Data Path: C:\...axman\_12-3-2013 from Sherry\Waxman Library C 2013-10-29.xad

Created: 10/29/2013 11:55:42 AM  
Modified: 10/30/2013 10:32:12 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/ $\mu$ l] : 44  
Uses Standard Area for Ladder Fragments  
Lower Marker Concentration [ng/ $\mu$ l] : 4.2  
Upper Marker Concentration [ng/ $\mu$ 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

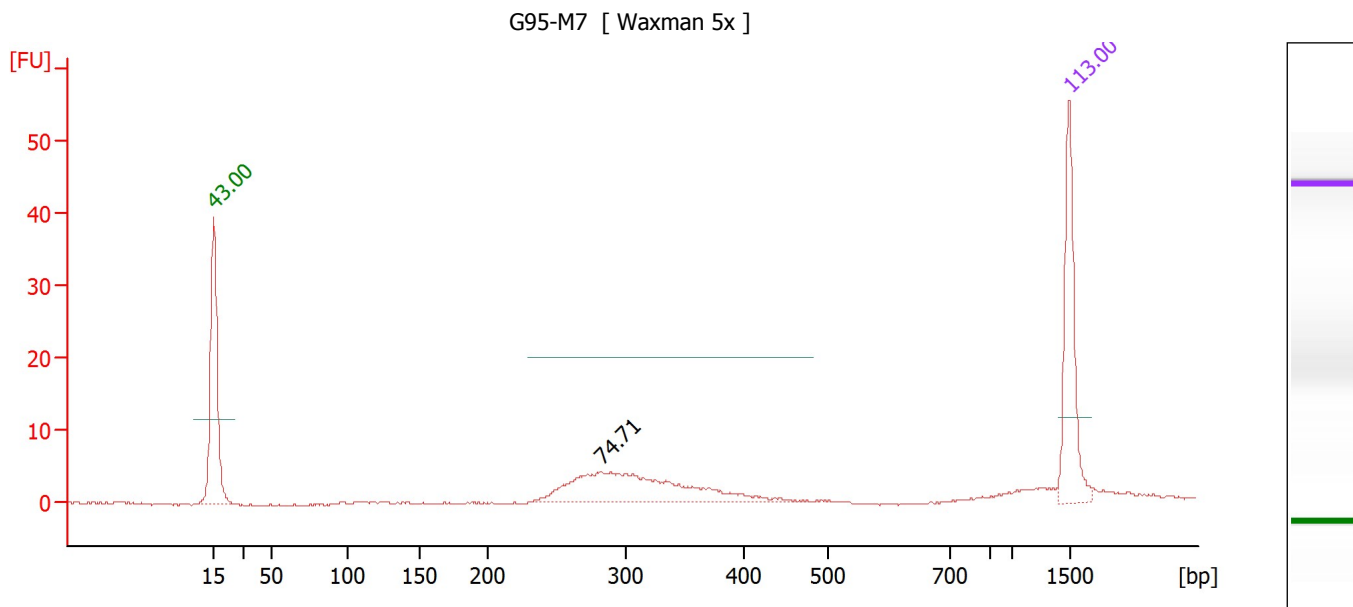
### Ladder

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: C:\...axman\_12-3-2013 from Sherry\Waxman Library C 2013-10-29.xad

Created: 10/29/2013 11:55:42 AM  
 Modified: 10/30/2013 10:32:12 AM

**Electropherogram Summary**



**Overall Results for sample 1 : G95-M7**

Number of peaks found: 1

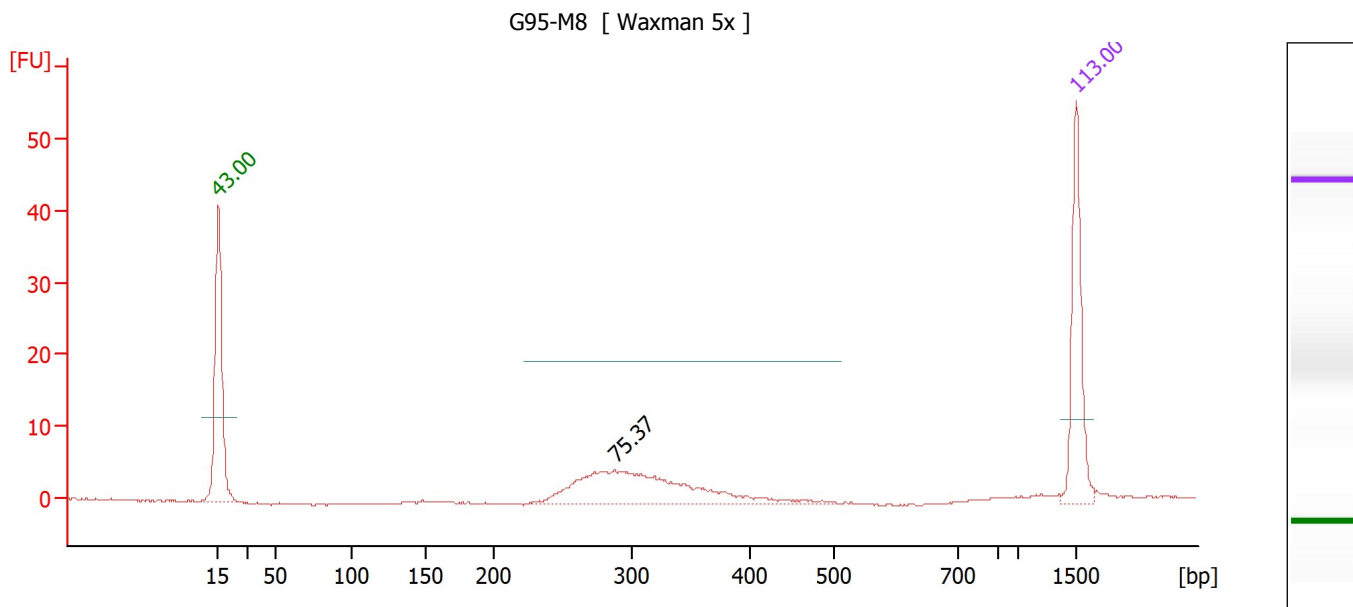
**Peak table for sample 1 : G95-M7**

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	282	3.05	16.4	
3	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000  
 Data Path: C:\...axman\_12-3-2013 from Sherry\Waxman Library C 2013-10-29.xad

Created: 10/29/2013 11:55:42 AM  
 Modified: 10/30/2013 10:32:12 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : G95-M8**

Number of peaks found: 1

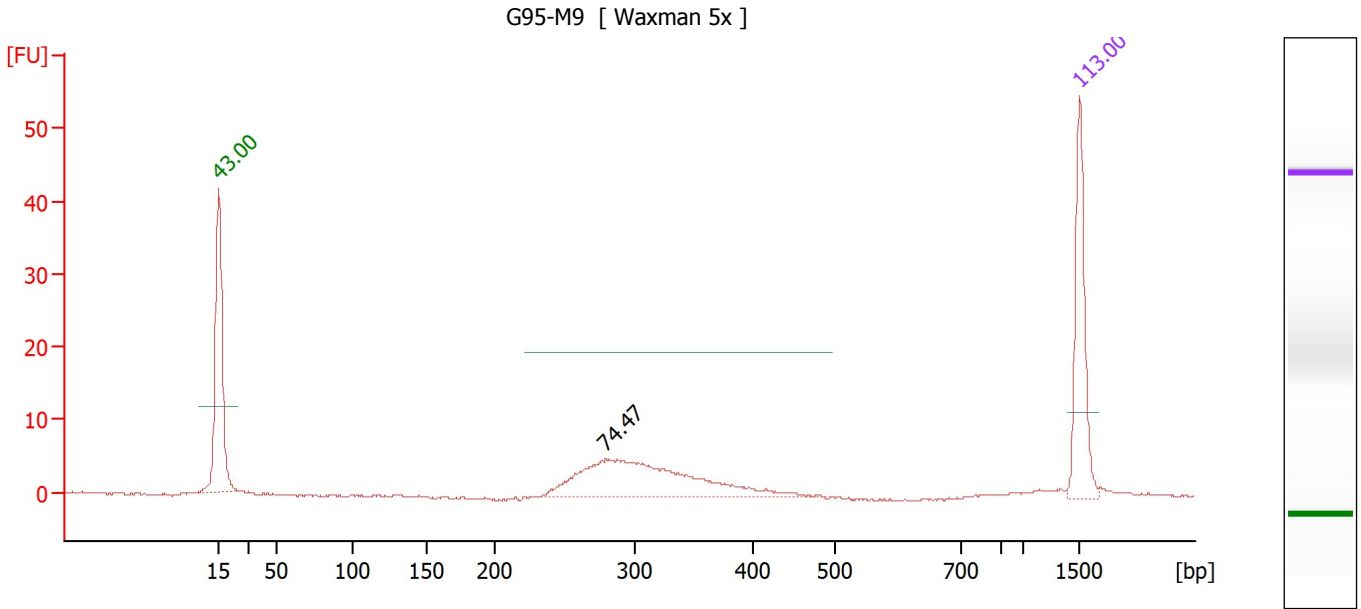
**Peak table for sample 2 : G95-M8**

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	288	3.57	18.8	
3	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000  
 Data Path: C:\...axman\_12-3-2013 from Sherry\Waxman Library C 2013-10-29.xad

Created: 10/29/2013 11:55:42 AM  
 Modified: 10/30/2013 10:32:12 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : G95-M9**

Number of peaks found: 1

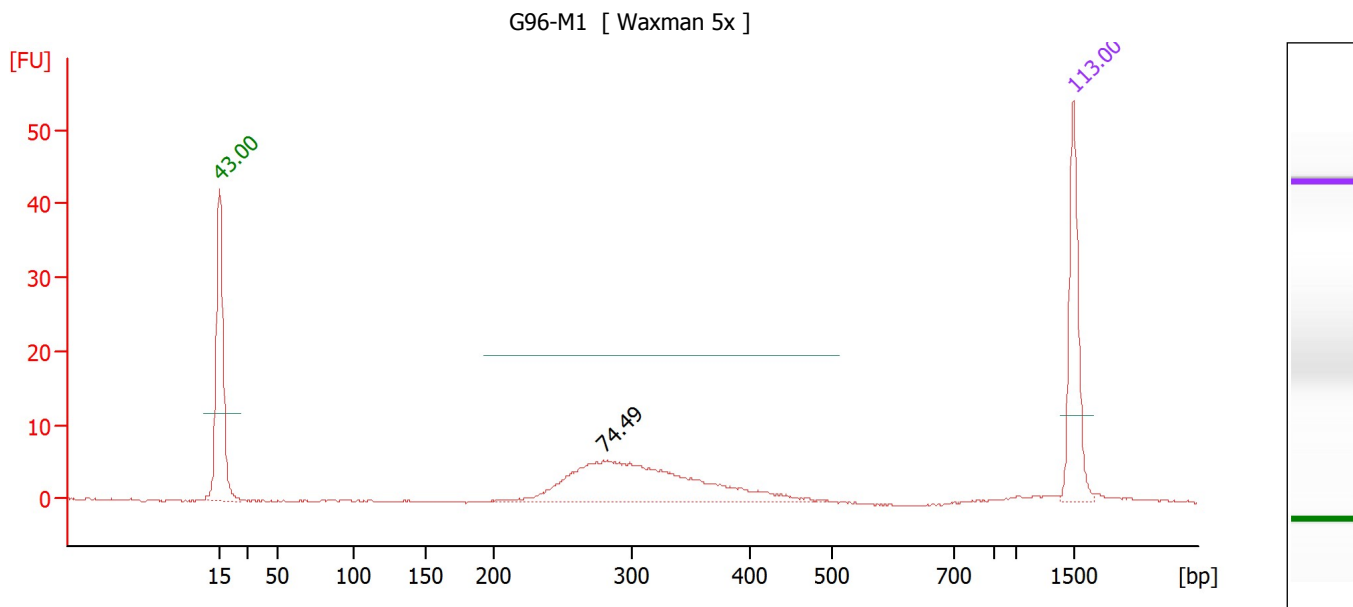
**Peak table for sample 3 : G95-M9**

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	280	4.08	22.1	
3	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000  
 Data Path: C:\...axman\_12-3-2013 from Sherry\Waxman Library C 2013-10-29.xad

Created: 10/29/2013 11:55:42 AM  
 Modified: 10/30/2013 10:32:12 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : G96-M1**

Number of peaks found: 1

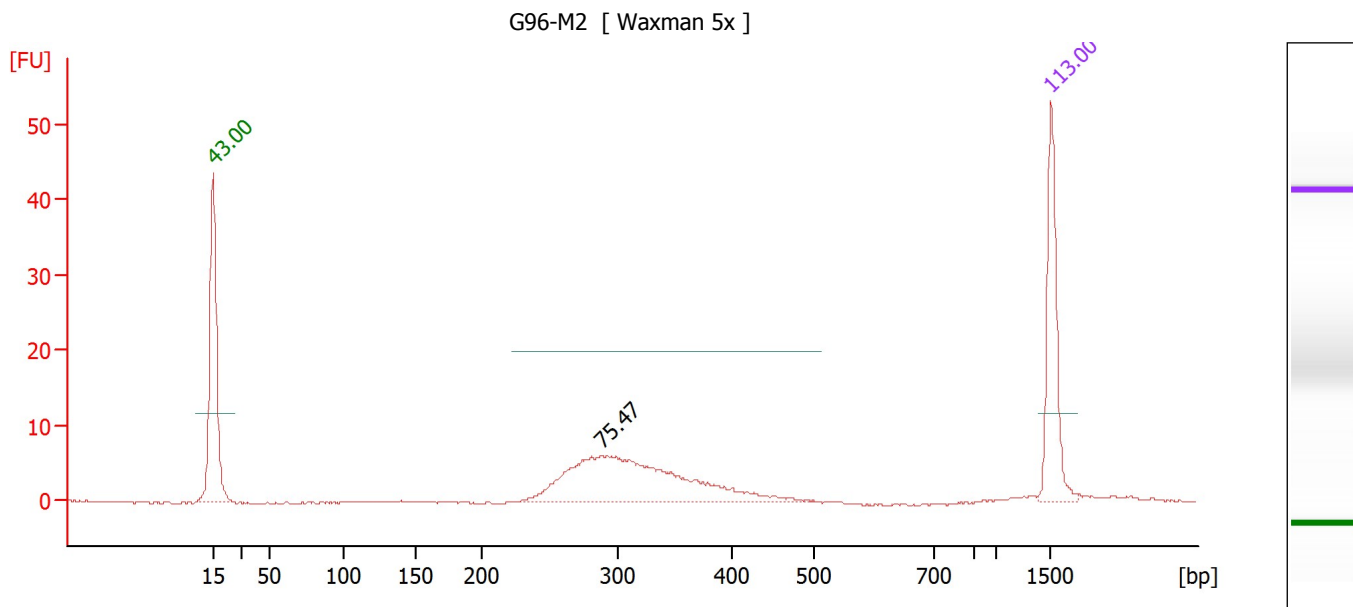
**Peak table for sample 4 : G96-M1**

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	280	5.01	27.1	
3	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000  
 Data Path: C:\...axman\_12-3-2013 from Sherry\Waxman Library C 2013-10-29.xad

Created: 10/29/2013 11:55:42 AM  
 Modified: 10/30/2013 10:32:12 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : G96-M2**

Number of peaks found: 1

**Peak table for sample 5 : G96-M2**

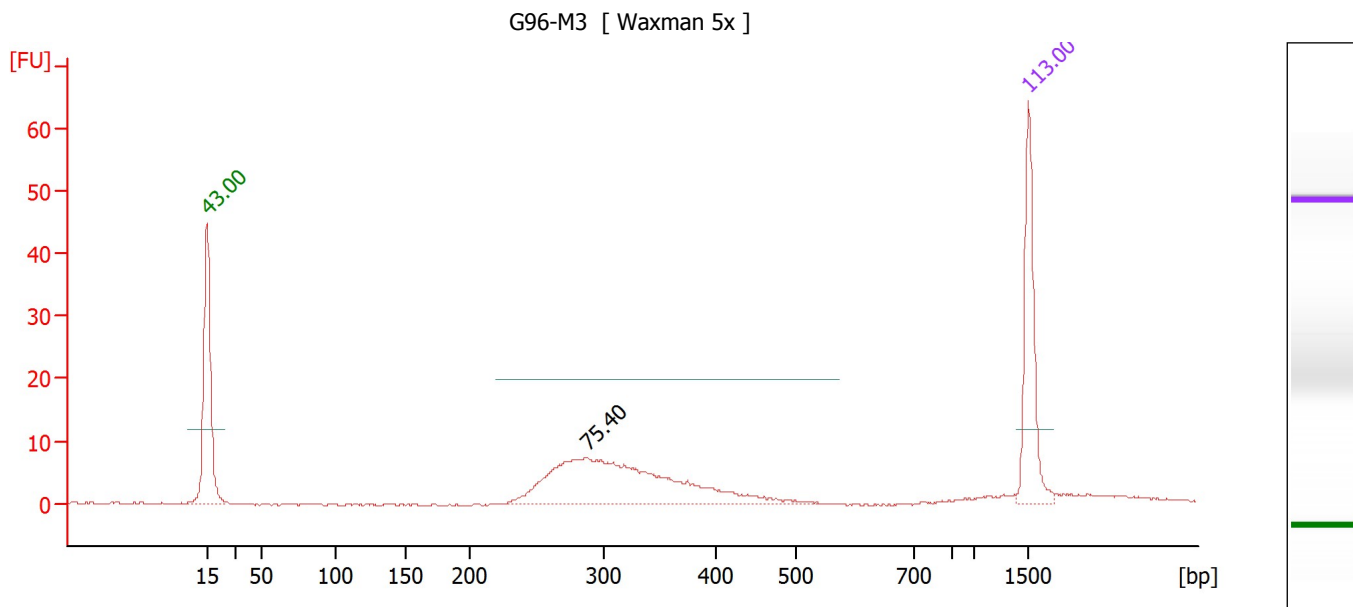
Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	289	4.75	25.0	
3	1,500	2.10	2.1	Upper Marker



Assay Class: DNA 1000  
 Data Path: C:\...axman\_12-3-2013 from Sherry\Waxman Library C 2013-10-29.xad

Created: 10/29/2013 11:55:42 AM  
 Modified: 10/30/2013 10:32:12 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : G96-M3**

Number of peaks found: 1

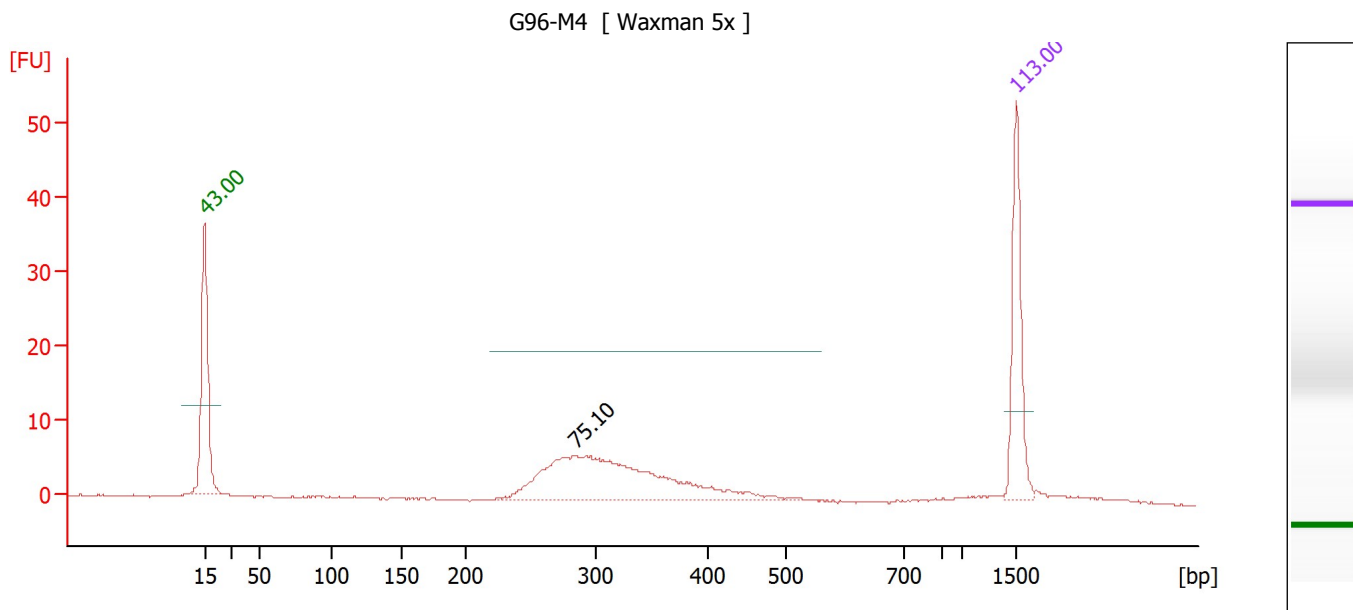
**Peak table for sample 6 : G96-M3**

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	288	5.13	27.0	
3	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000  
 Data Path: C:\...axman\_12-3-2013 from Sherry\Waxman Library C 2013-10-29.xad

Created: 10/29/2013 11:55:42 AM  
 Modified: 10/30/2013 10:32:12 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : G96-M4**

Number of peaks found: 1

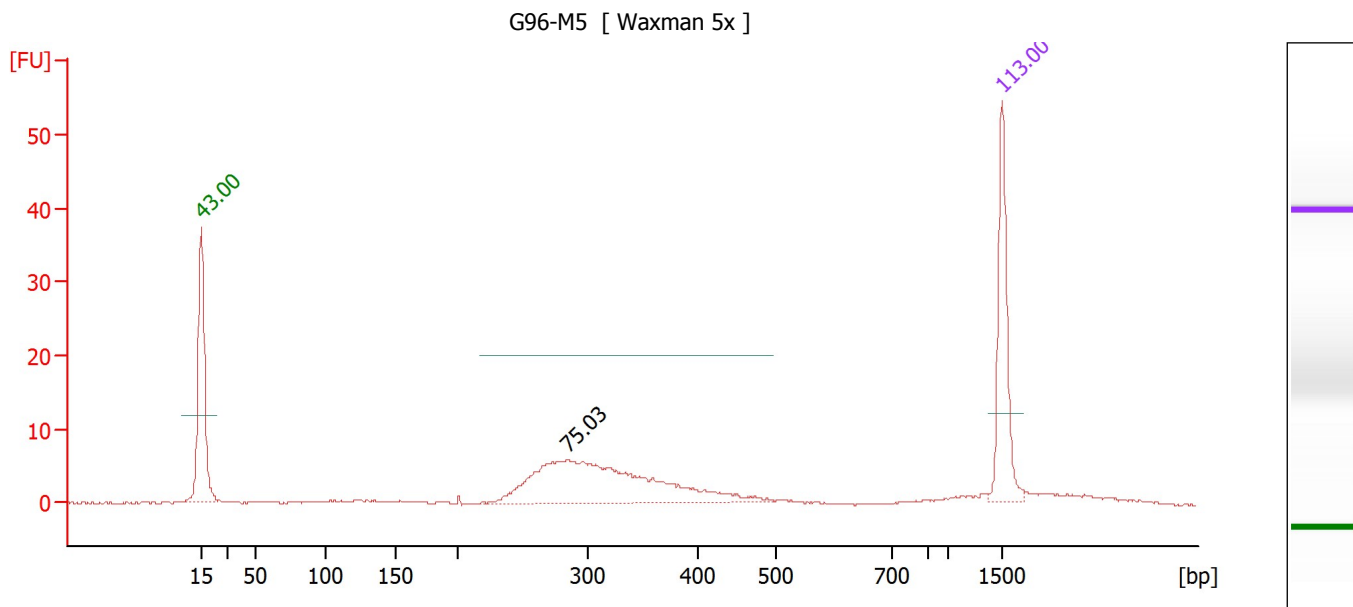
**Peak table for sample 7 : G96-M4**

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	285	5.35	28.4	
3	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000  
 Data Path: C:\...axman\_12-3-2013 from Sherry\Waxman Library C 2013-10-29.xad

Created: 10/29/2013 11:55:42 AM  
 Modified: 10/30/2013 10:32:12 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : G96-M5**

Number of peaks found: 1

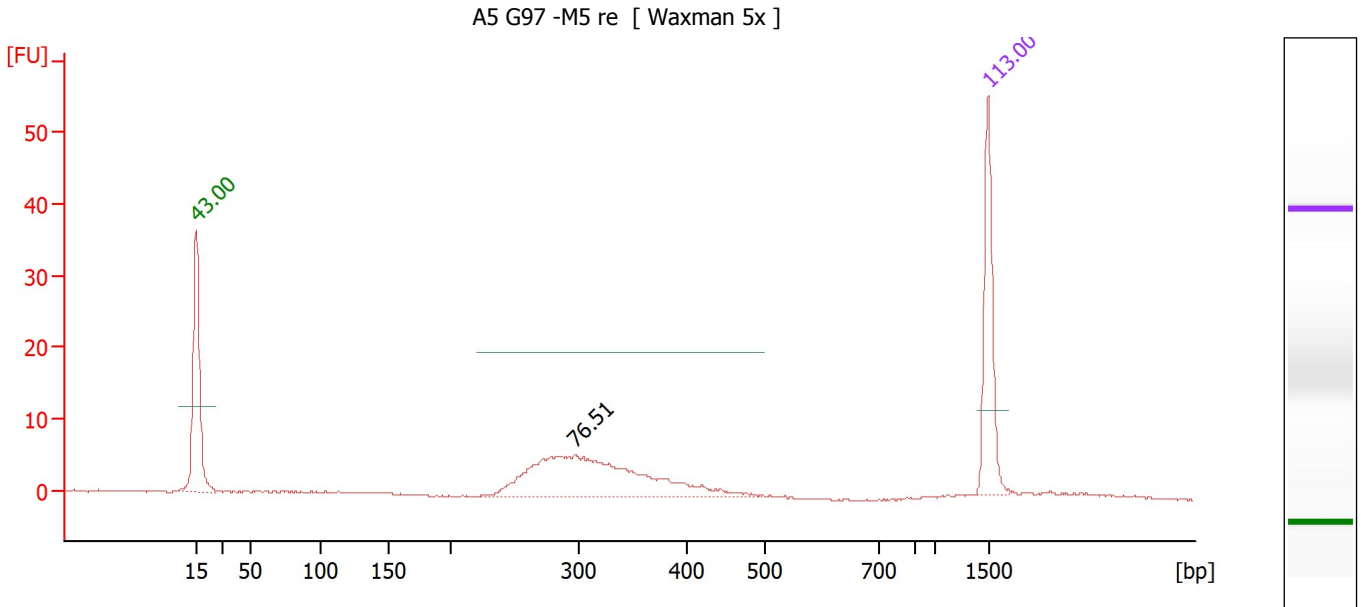
**Peak table for sample 8 : G96-M5**

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	285	4.83	25.7	
3	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000  
 Data Path: C:\...axman\_12-3-2013 from Sherry\Waxman Library C 2013-10-29.xad

Created: 10/29/2013 11:55:42 AM  
 Modified: 10/30/2013 10:32:12 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 9 : A5 G97 -M5 re**

Number of peaks found: 1

**Peak table for sample 9 : A5 G97 -M5 re**

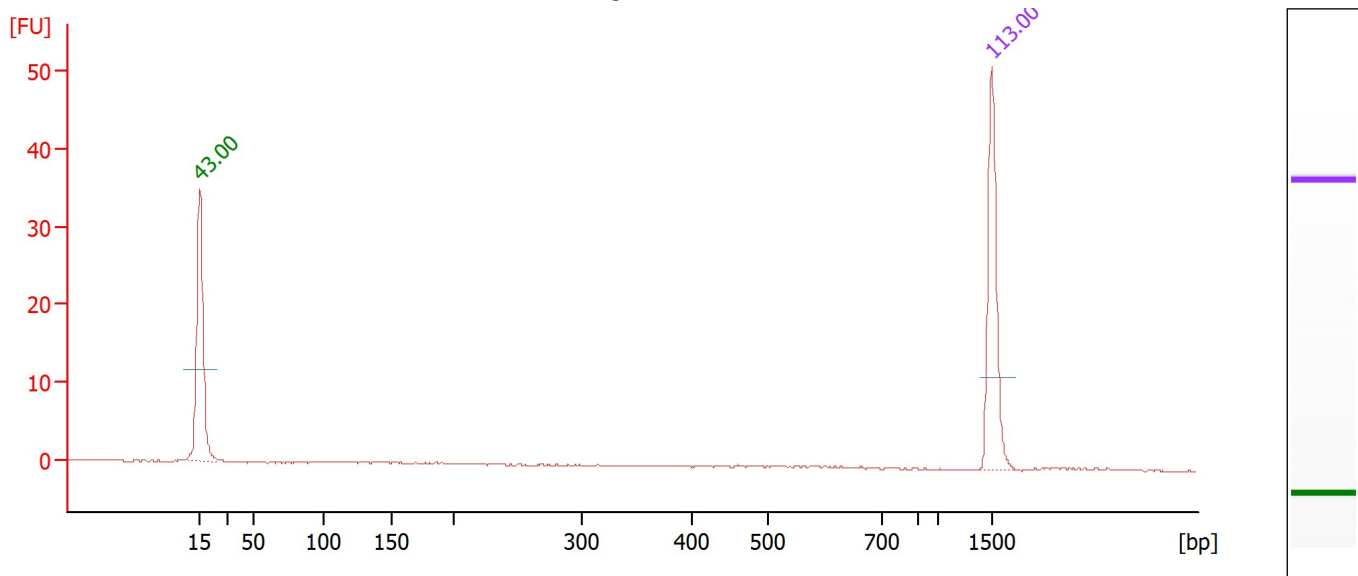
Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	298	4.66	23.7	
3	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000  
 Data Path: C:\...axman\_12-3-2013 from Sherry\Waxman Library C 2013-10-29.xad

Created: 10/29/2013 11:55:42 AM  
 Modified: 10/30/2013 10:32:12 AM

**Electropherogram Summary Continued ...**

B8 orig G94-M4



**Overall Results for sample 10 : B8 orig G94-M4**

Number of peaks found: 0

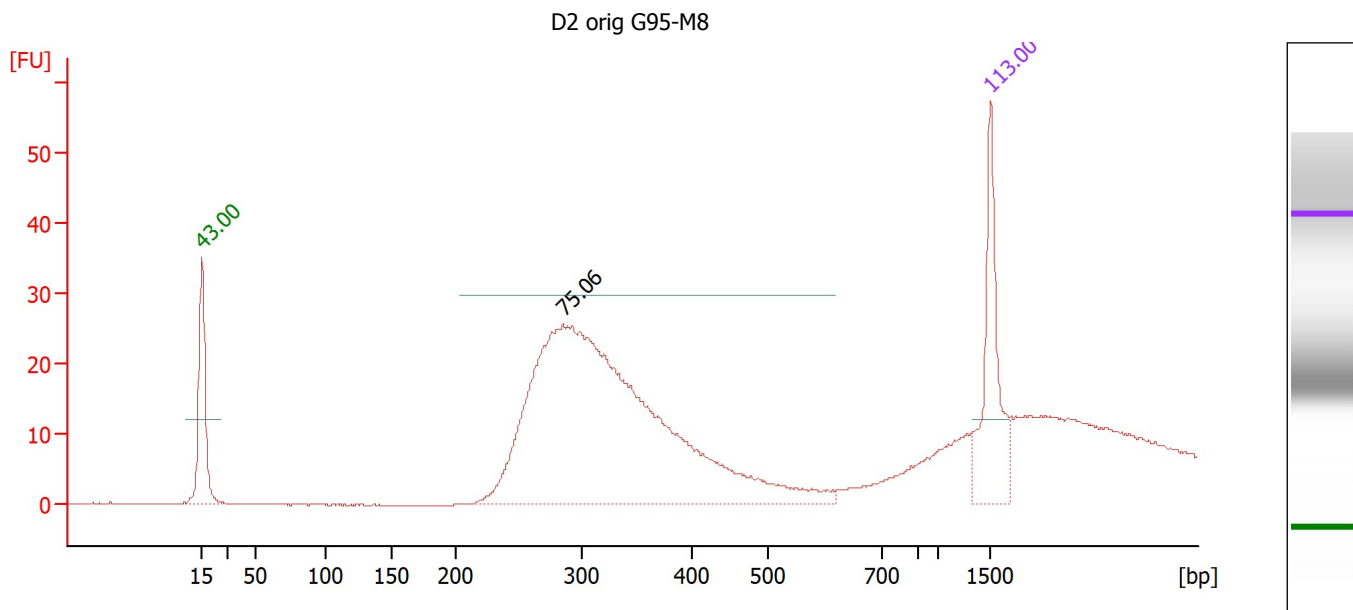
**Peak table for sample 10 : B8 orig G94-M4**

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:\...axman\_12-3-2013 from Sherry\Waxman Library C 2013-10-29.xad

Created: 10/29/2013 11:55:42 AM  
 Modified: 10/30/2013 10:32:12 AM

**Electropherogram Summary Continued ...**



**Setpoint Deviations for sample 11 : D2 orig G95-M8**

Height Threshold [FU] : 30

**Overall Results for sample 11 : D2 orig G95-M8**

Number of peaks found: 1

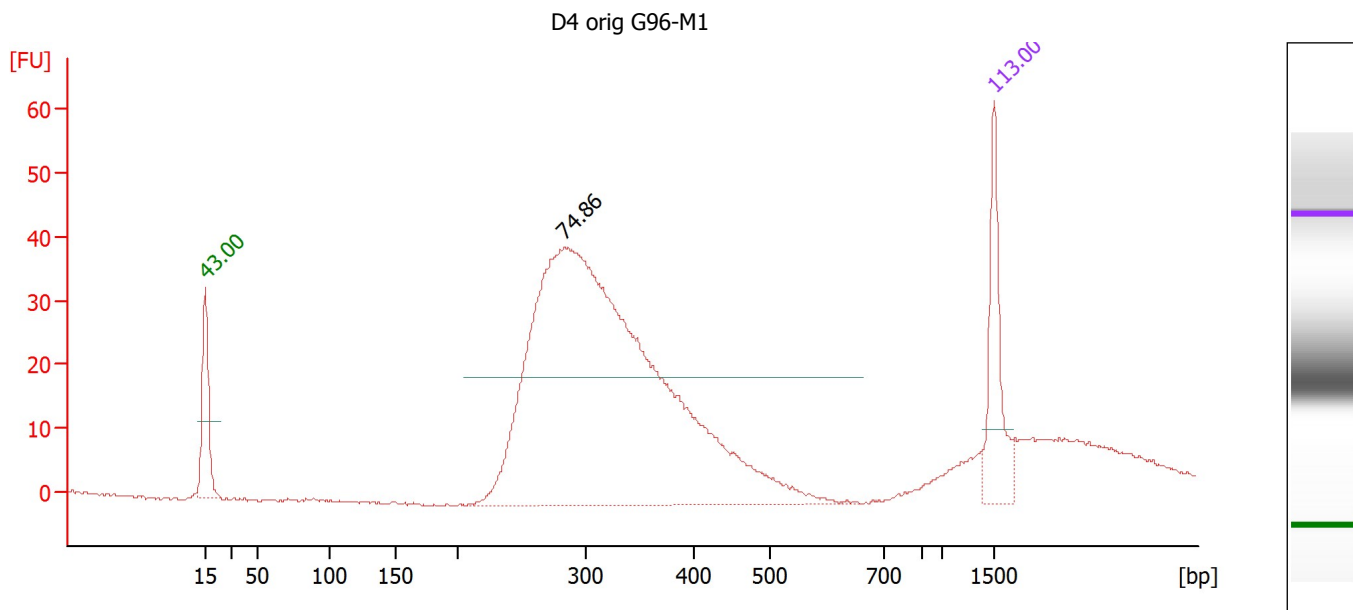
**Peak table for sample 11 : D2 orig G95-M8**

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	285	15.66	83.3	
3	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000  
 Data Path: C:\...axman\_12-3-2013 from Sherry\Waxman Library C 2013-10-29.xad

Created: 10/29/2013 11:55:42 AM  
 Modified: 10/30/2013 10:32:12 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 12 : D4 orig G96-M1**

Number of peaks found: 1

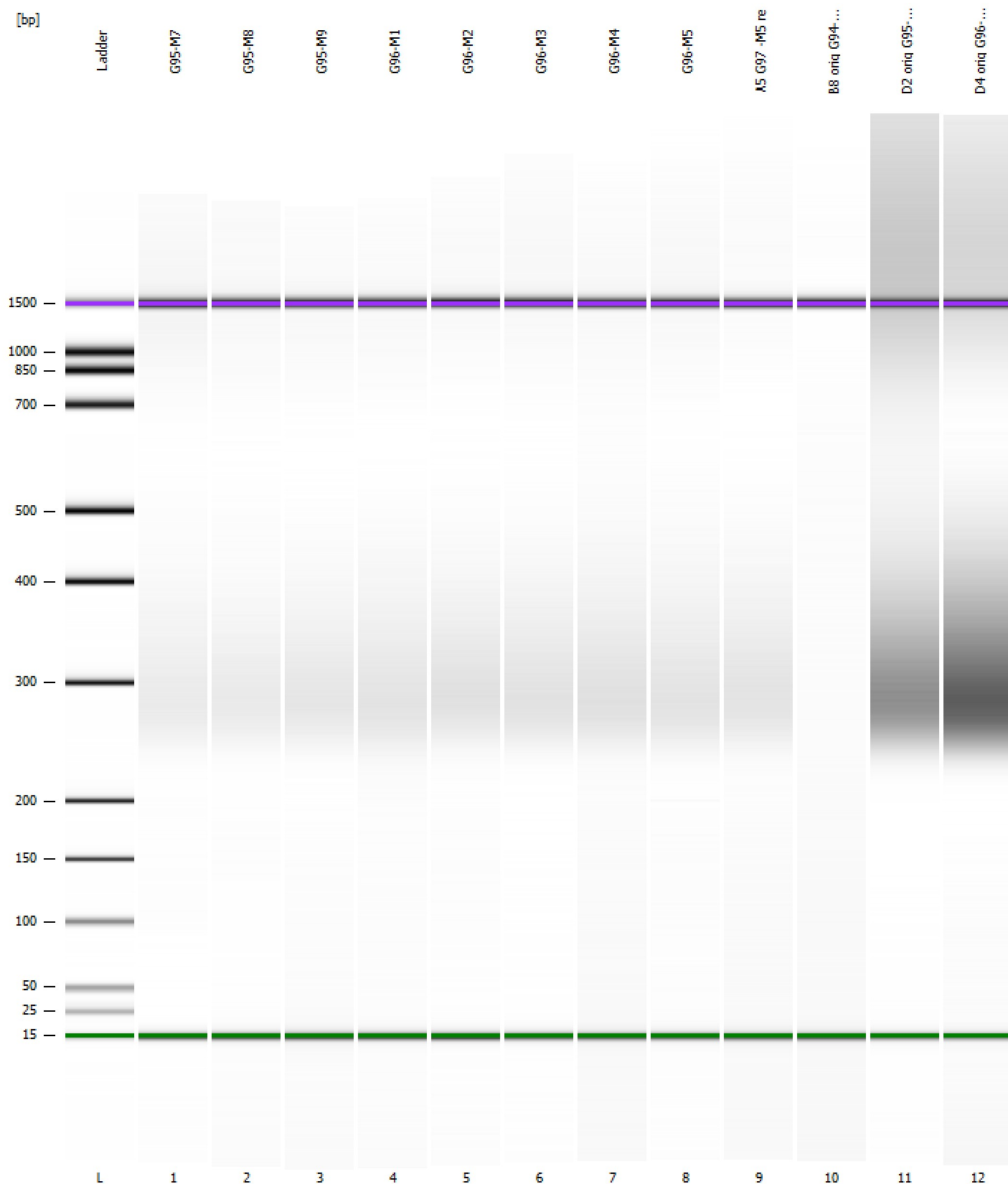
**Peak table for sample 12 : D4 orig G96-M1**

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	283	25.95	138.9	
3	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000  
Data Path: C:\...axman\_12-3-2013 from Sherry\Waxman Library C 2013-10-29.xad

Created: 10/29/2013 11:55:42 AM  
Modified: 10/30/2013 10:32:12 AM

Gel Image



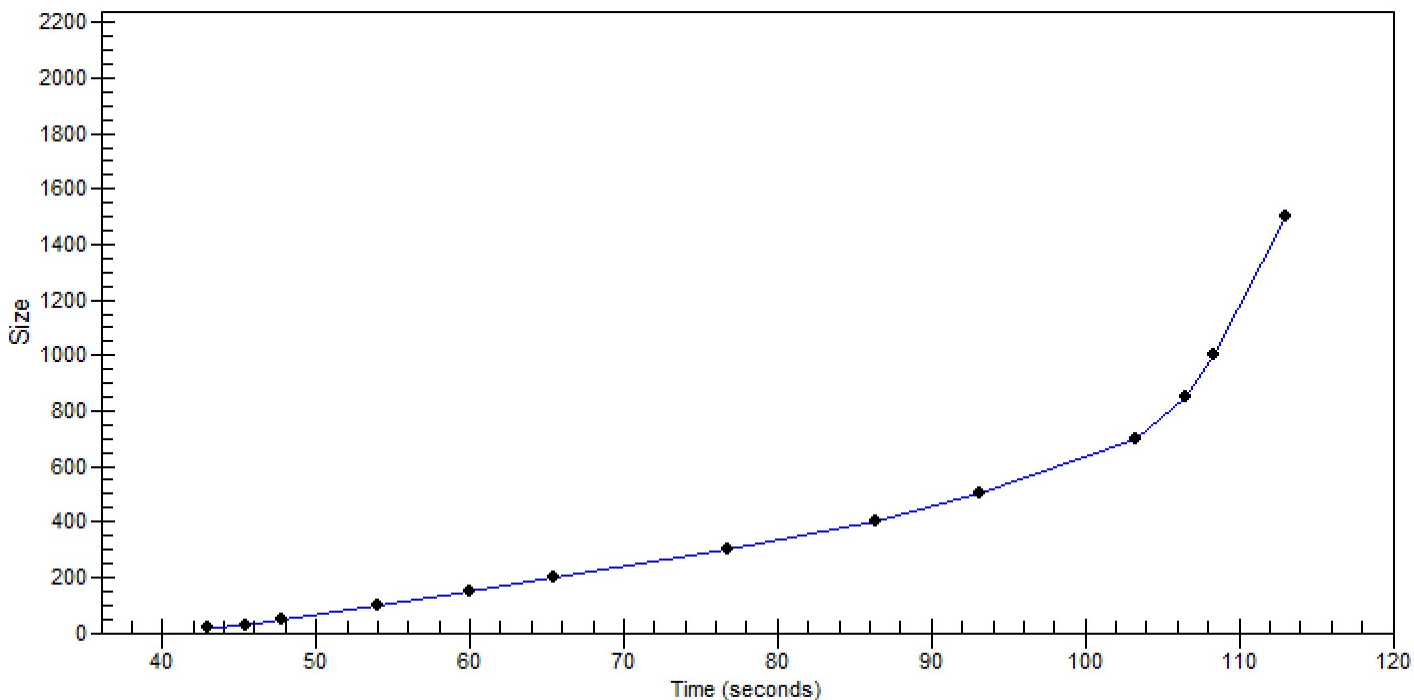


Assay Class: DNA 1000  
Data Path: C:\...axman\_12-3-2013 from Sherry\Waxman Library C 2013-10-29.xad

Created: 10/29/2013 11:55:42 AM  
Modified: 10/30/2013 10:32:12 AM

**Curves**

**Standard Curve**



Assay Class: DNA 1000  
 Data Path: C:\...axman\_12-3-2013 from Sherry\Waxman Library C 2013-10-29.xad

Created: 10/29/2013 11:55:42 AM  
 Modified: 10/30/2013 10:32:12 AM

**Run Logbook**

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 13)		Instrument	Run		10/29/2013 12:37:27 PM	(GMT --04:00) Eastern Standard Time	admin	Datasystem01
Run started on port 1 (File: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\Data\2013-10-29\2100 expert_DNA 1000_DE72901059_2013-10-29_11-55-42.xad)		Instrument	Run		10/29/2013 11:55:47 AM	(GMT --04:00) Eastern Standard Time	admin	Datasystem01
Product Number : G2939A		Instrument	Run		10/29/2013 11:55:47 AM	(GMT --04:00) Eastern Standard Time	admin	Datasystem01
Name :		Instrument	Run		10/29/2013 11:55:47 AM	(GMT --04:00) Eastern Standard Time	admin	Datasystem01
Vendor : Agilent Technologies		Instrument	Run		10/29/2013 11:55:47 AM	(GMT --04:00) Eastern Standard Time	admin	Datasystem01
Serial# : DE72901059		Instrument	Run		10/29/2013 11:55:47 AM	(GMT --04:00) Eastern Standard Time	admin	Datasystem01
Firmware : C.01.069		Instrument	Run		10/29/2013 11:55:47 AM	(GMT --04:00) Eastern Standard Time	admin	Datasystem01
Cartridge : Electrode		Instrument	Run		10/29/2013 11:55:47 AM	(GMT --04:00) Eastern Standard Time	admin	Datasystem01