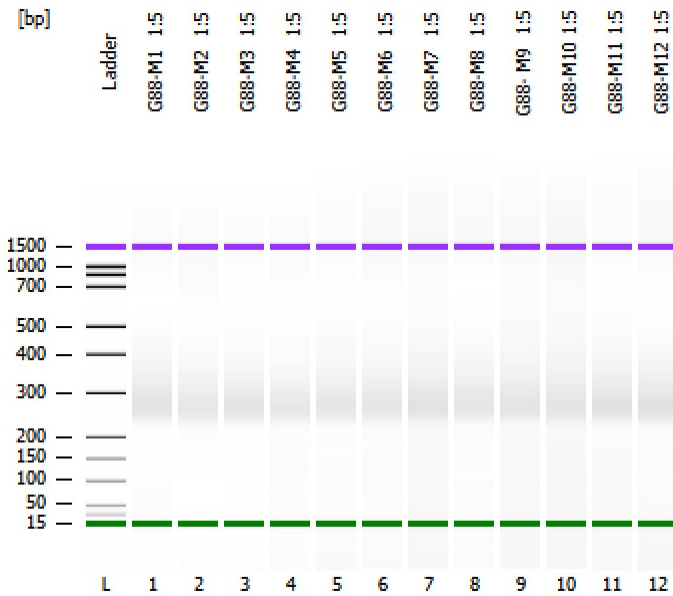


Assay Class: DNA 1000  
Data Path: C:\...\01-24-2013\Waxman's 12 samples per one lane 2013-01-24.xad

Created: 1/24/2013 12:34:44 PM  
Modified: 1/24/2013 2:03:15 PM

**Electrophoresis File Run Summary**



Instrument Information:

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

Assay Information:

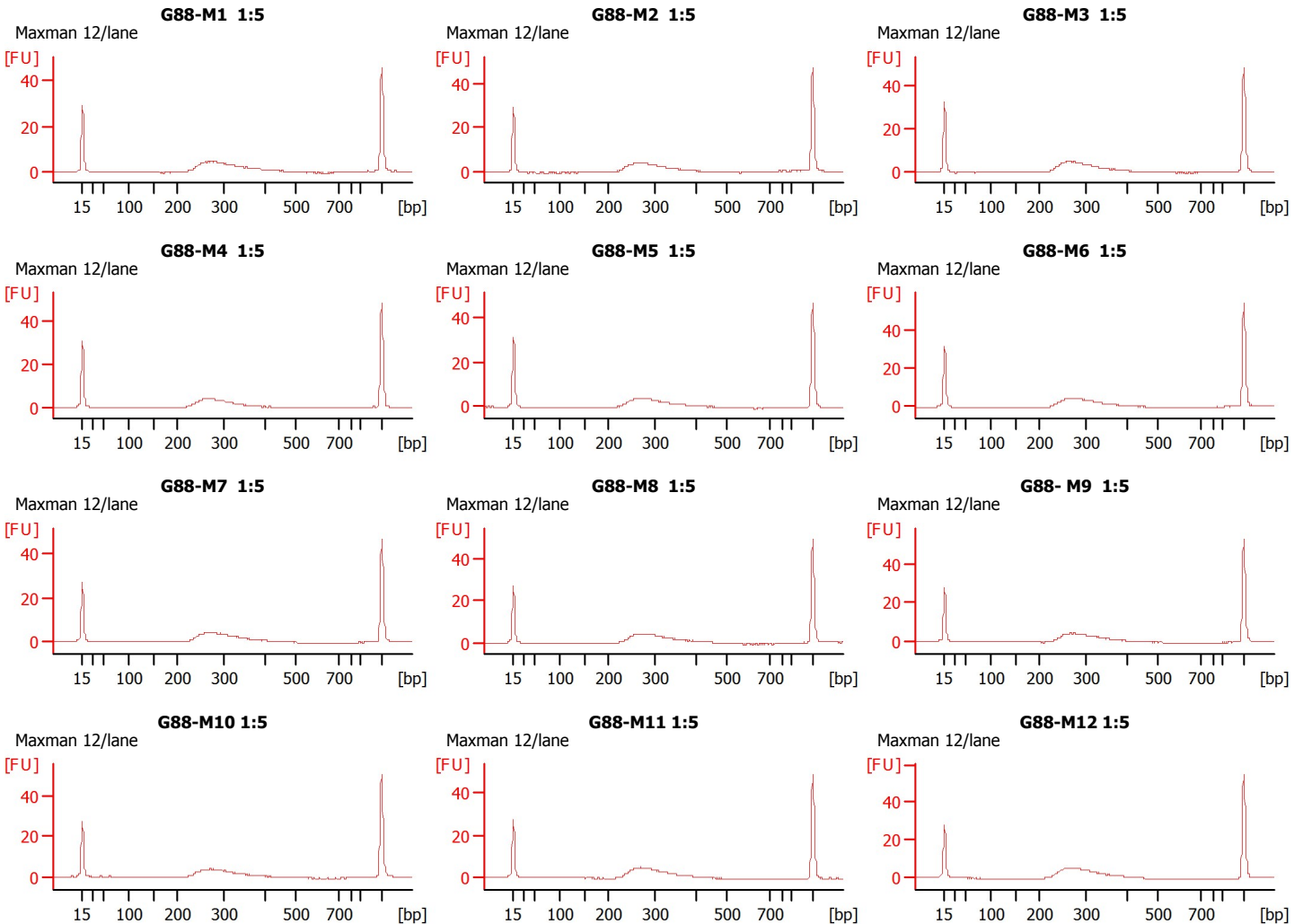
Assay Origin Path: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\assays\dsDNA\DNA 1000 Series II.xsy

Assay Class: DNA 1000  
Version: 2.3  
Assay Comments: DNA Analysis 25 -1000 bp

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Chip Information:

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



Assay Class: DNA 1000  
 Data Path: C:\...\01-24-2013\Waxman's 12 samples per one lane 2013-01-24.xad

Created: 1/24/2013 12:34:44 PM  
 Modified: 1/24/2013 2:03:15 PM

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

Sample Name	Sample	Rest.	Sta	Observation	Result	Result Color
	Comment	Digest	tus		Label	
G88-M1 1:5	Maxman 12/lane	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
G88-M2 1:5	Maxman 12/lane	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
G88-M3 1:5	Maxman 12/lane	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
G88-M4 1:5	Maxman 12/lane	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
G88-M5 1:5	Maxman 12/lane	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
G88-M6 1:5	Maxman 12/lane	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
G88-M7 1:5	Maxman 12/lane	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
G88-M8 1:5	Maxman 12/lane	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
G88- M9 1:5	Maxman 12/lane	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
G88-M10 1:5	Maxman 12/lane	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
G88-M11 1:5	Maxman 12/lane	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
G88-M12 1:5	Maxman 12/lane	<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:\...\01-24-2013\Waxman's 12 samples per one lane 2013-01-24.xad

Created: 1/24/2013 12:34:44 PM  
Modified: 1/24/2013 2:03:15 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/ $\mu$ 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

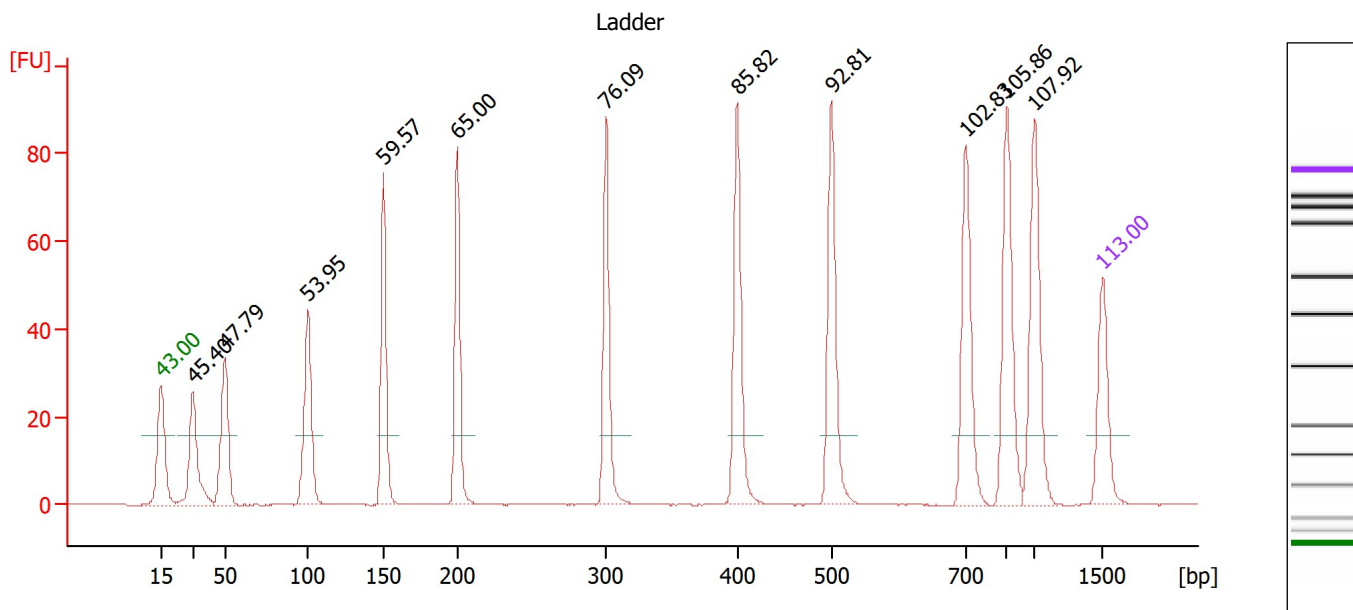
### Ladder

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:\...\01-24-2013\Waxman's 12 samples per one lane 2013-01-24.xad

Created: 1/24/2013 12:34:44 PM  
 Modified: 1/24/2013 2:03:15 PM

**Electropherogram Summary**



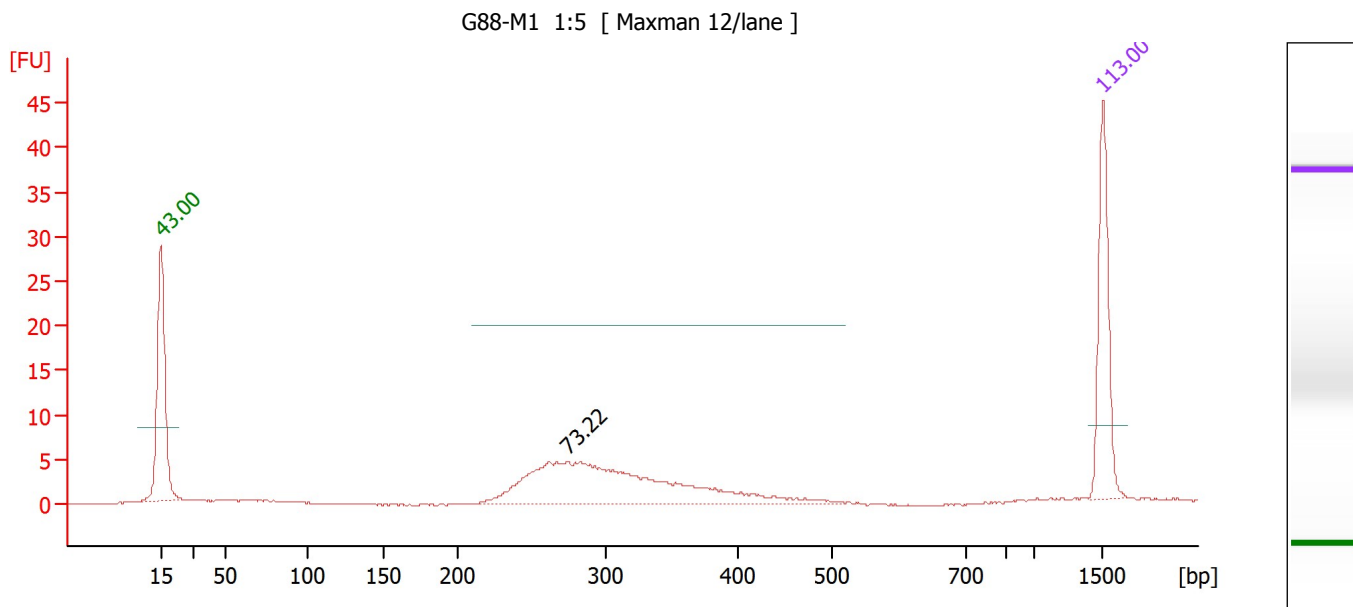
**Peak table for Ladder**

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	25	4.00	242.4	Ladder Peak
3	50	4.00	121.2	Ladder Peak
4	100	4.00	60.6	Ladder Peak
5	150	4.00	40.4	Ladder Peak
6	200	4.00	30.3	Ladder Peak
7	300	4.00	20.2	Ladder Peak
8	400	4.00	15.2	Ladder Peak
9	500	4.00	12.1	Ladder Peak
10	700	4.00	8.7	Ladder Peak
11	850	4.00	7.1	Ladder Peak
12	1,000	4.00	6.1	Ladder Peak
13	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000  
 Data Path: C:\...\01-24-2013\Waxman's 12 samples per one lane 2013-01-24.xad

Created: 1/24/2013 12:34:44 PM  
 Modified: 1/24/2013 2:03:15 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : G88-M1 1:5**

Number of peaks found: 1

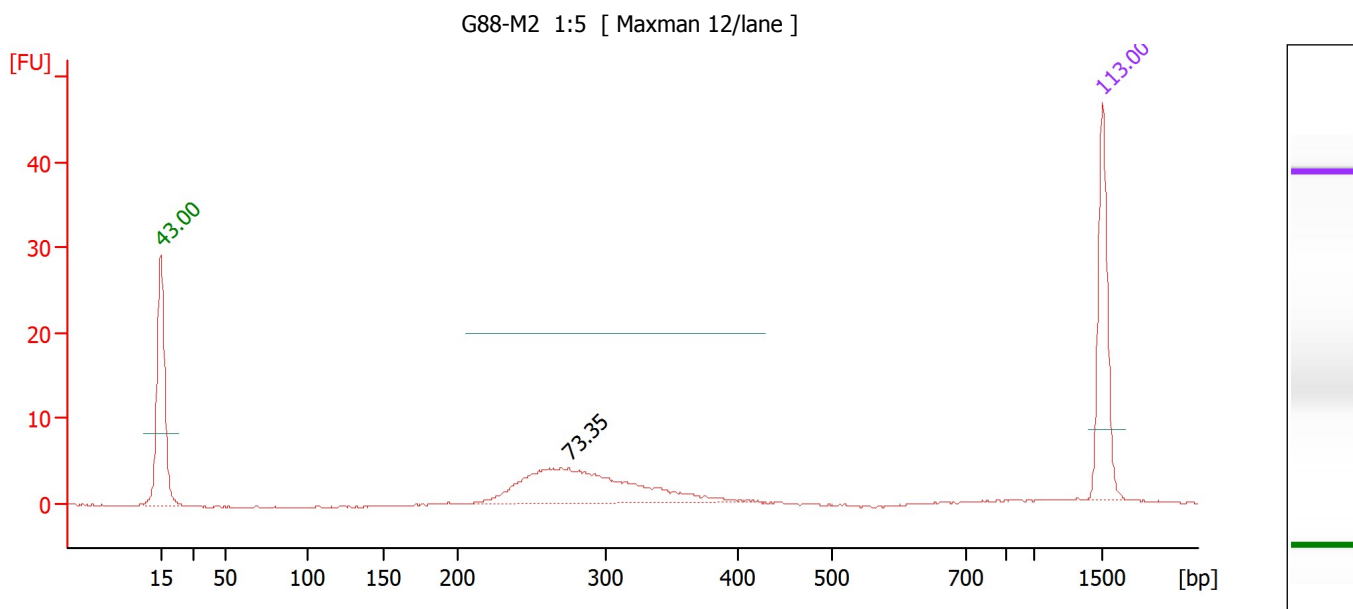
**Peak table for sample 1 : G88-M1 1:5**

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	274	5.24	29.0	
3	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000  
 Data Path: C:\...\01-24-2013\Waxman's 12 samples per one lane 2013-01-24.xad

Created: 1/24/2013 12:34:44 PM  
 Modified: 1/24/2013 2:03:15 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : G88-M2 1:5**

Number of peaks found: 1

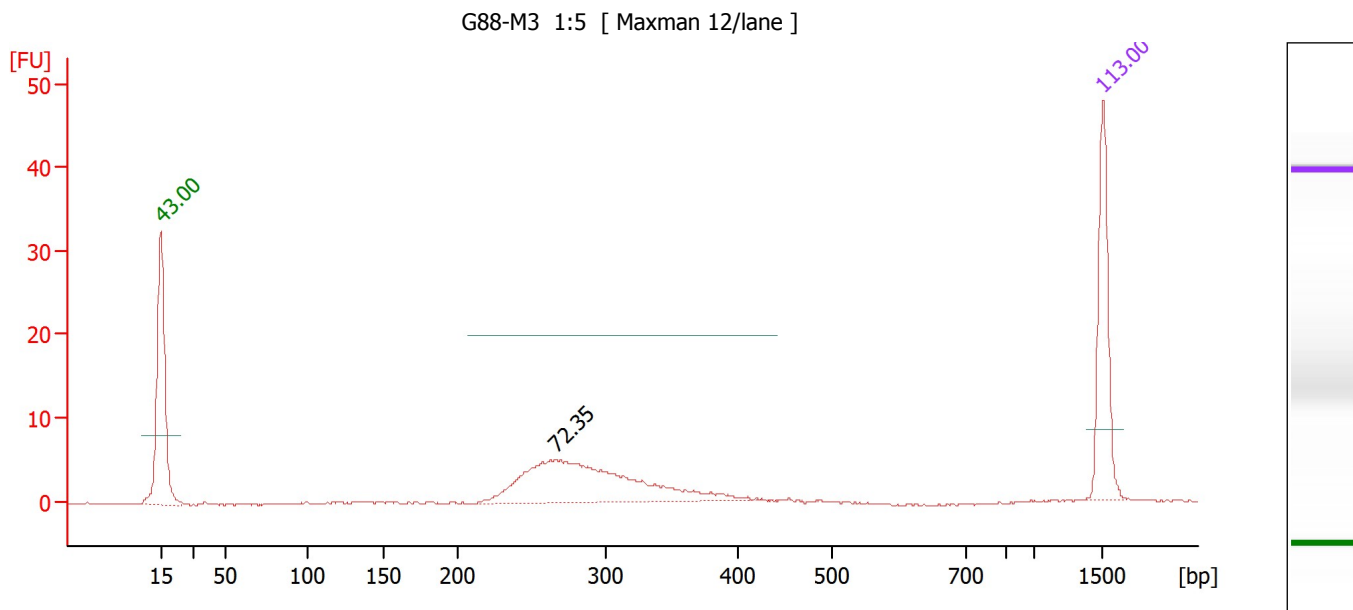
**Peak table for sample 2 : G88-M2 1:5**

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	275	3.70	20.4	
3	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000  
 Data Path: C:\...\01-24-2013\Waxman's 12 samples per one lane 2013-01-24.xad

Created: 1/24/2013 12:34:44 PM  
 Modified: 1/24/2013 2:03:15 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : G88-M3 1:5**

Number of peaks found: 1

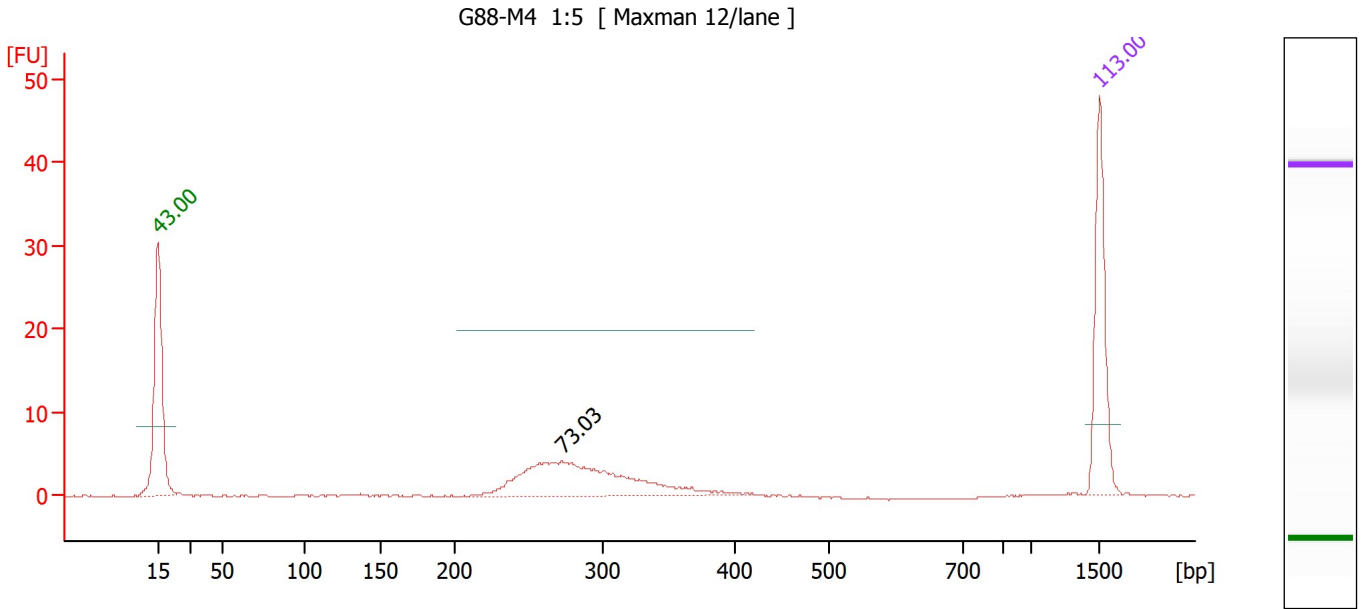
**Peak table for sample 3 : G88-M3 1:5**

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	266	4.27	24.3	
3	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000  
 Data Path: C:\...\01-24-2013\Waxman's 12 samples per one lane 2013-01-24.xad

Created: 1/24/2013 12:34:44 PM  
 Modified: 1/24/2013 2:03:15 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : G88-M4 1:5**

Number of peaks found: 1

**Peak table for sample 4 : G88-M4 1:5**

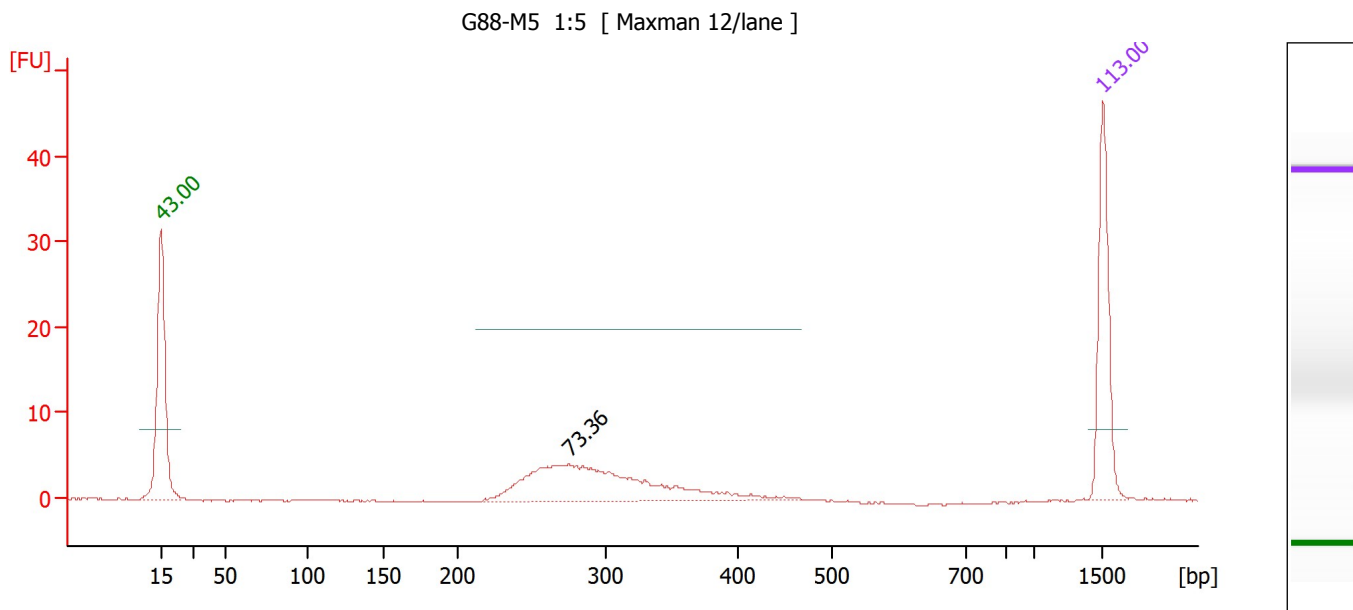
Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	272	3.48	19.4	
3	1,500	2.10	2.1	Upper Marker



Assay Class: DNA 1000  
 Data Path: C:\...\01-24-2013\Waxman's 12 samples per one lane 2013-01-24.xad

Created: 1/24/2013 12:34:44 PM  
 Modified: 1/24/2013 2:03:15 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : G88-M5 1:5**

Number of peaks found: 1

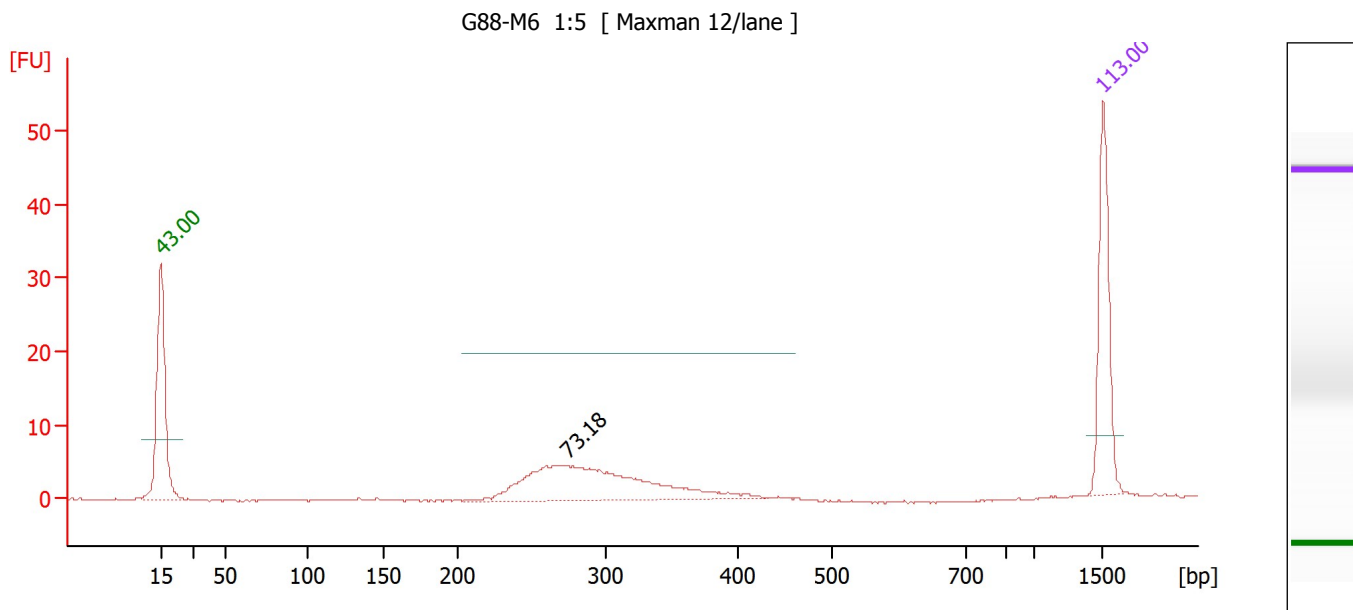
**Peak table for sample 5 : G88-M5 1:5**

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	275	3.76	20.7	
3	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000  
 Data Path: C:\...\01-24-2013\Waxman's 12 samples per one lane 2013-01-24.xad

Created: 1/24/2013 12:34:44 PM  
 Modified: 1/24/2013 2:03:15 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : G88-M6 1:5**

Number of peaks found: 1

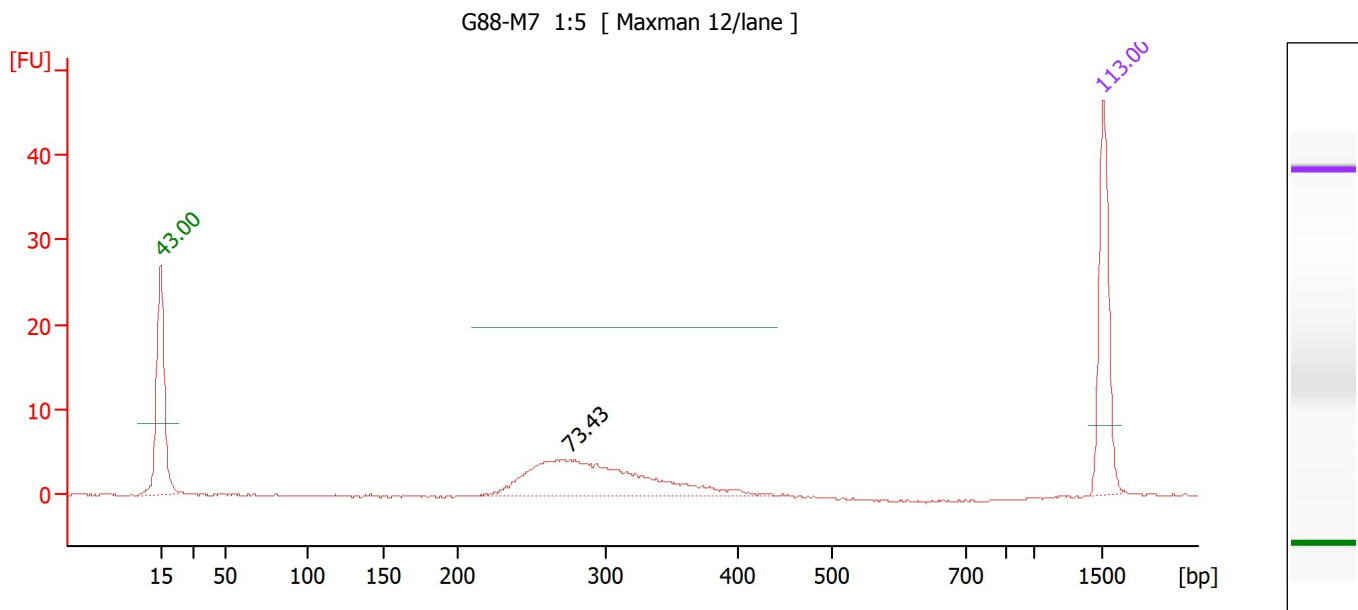
**Peak table for sample 6 : G88-M6 1:5**

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	274	3.65	20.2	
3	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000  
 Data Path: C:\...\01-24-2013\Waxman's 12 samples per one lane 2013-01-24.xad

Created: 1/24/2013 12:34:44 PM  
 Modified: 1/24/2013 2:03:15 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : G88-M7 1:5**

Number of peaks found: 1

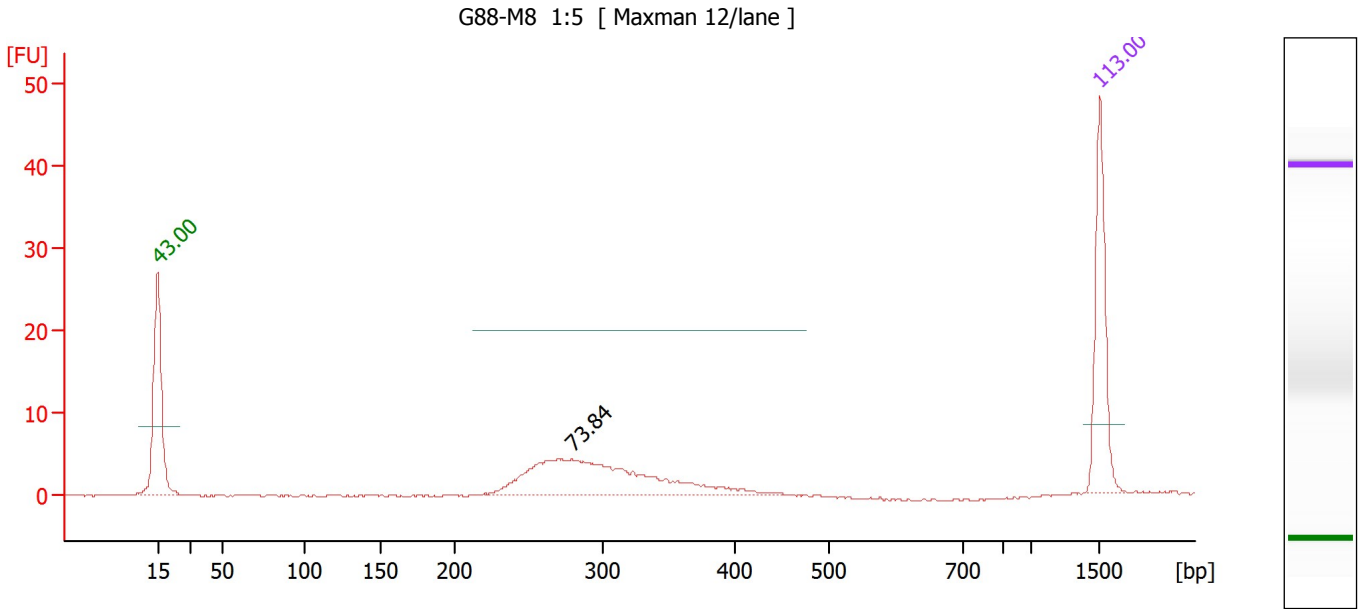
**Peak table for sample 7 : G88-M7 1:5**

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	276	3.89	21.4	
3	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000  
 Data Path: C:\...\01-24-2013\Waxman's 12 samples per one lane 2013-01-24.xad

Created: 1/24/2013 12:34:44 PM  
 Modified: 1/24/2013 2:03:15 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : G88-M8 1:5**

Number of peaks found: 1

**Peak table for sample 8 : G88-M8 1:5**

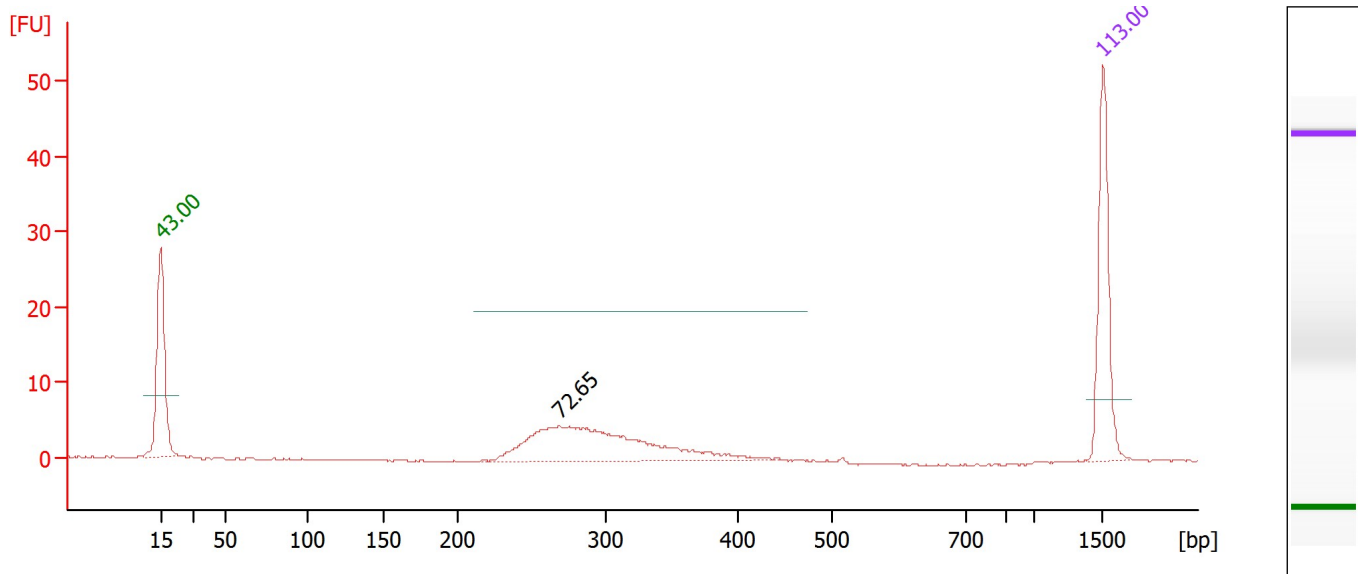
Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	280	4.00	21.7	
3	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000  
 Data Path: C:\...\01-24-2013\Waxman's 12 samples per one lane 2013-01-24.xad

Created: 1/24/2013 12:34:44 PM  
 Modified: 1/24/2013 2:03:15 PM

**Electropherogram Summary Continued ...**

G88- M9 1:5 [ Maxman 12/lane ]



**Overall Results for sample 9 : G88- M9 1:5**

Number of peaks found: 1

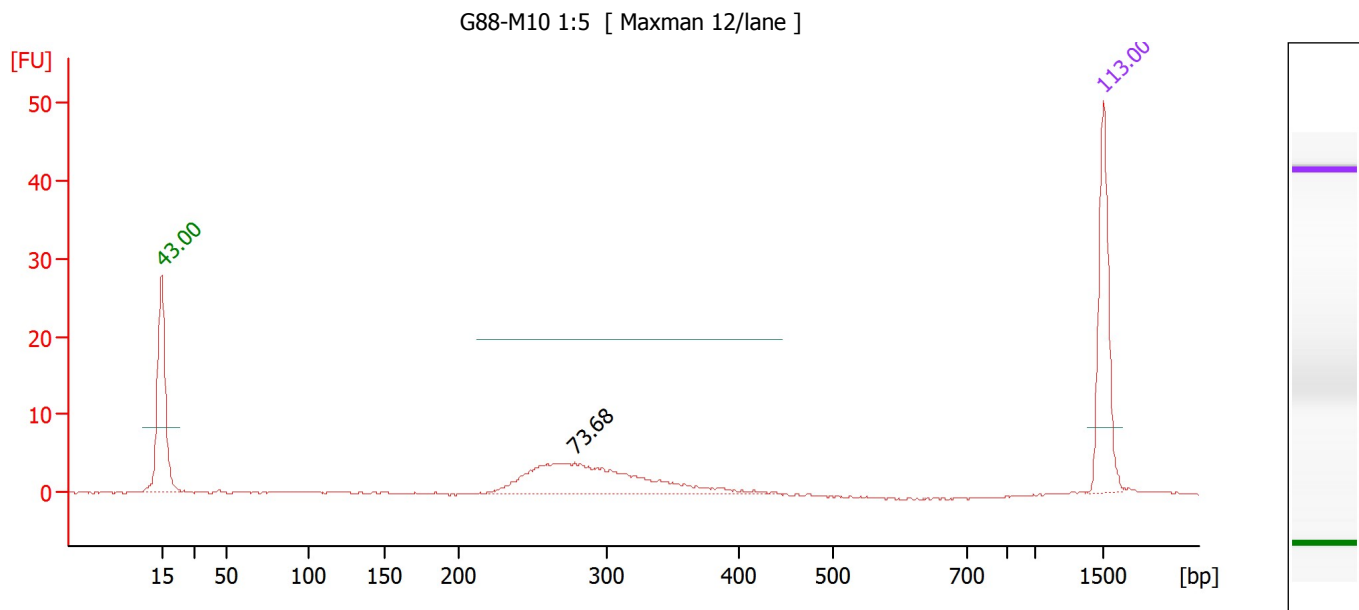
**Peak table for sample 9 : G88- M9 1:5**

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	269	3.80	21.4	
3	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000  
 Data Path: C:\...\01-24-2013\Waxman's 12 samples per one lane 2013-01-24.xad

Created: 1/24/2013 12:34:44 PM  
 Modified: 1/24/2013 2:03:15 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 10 : G88-M10 1:5**

Number of peaks found: 1

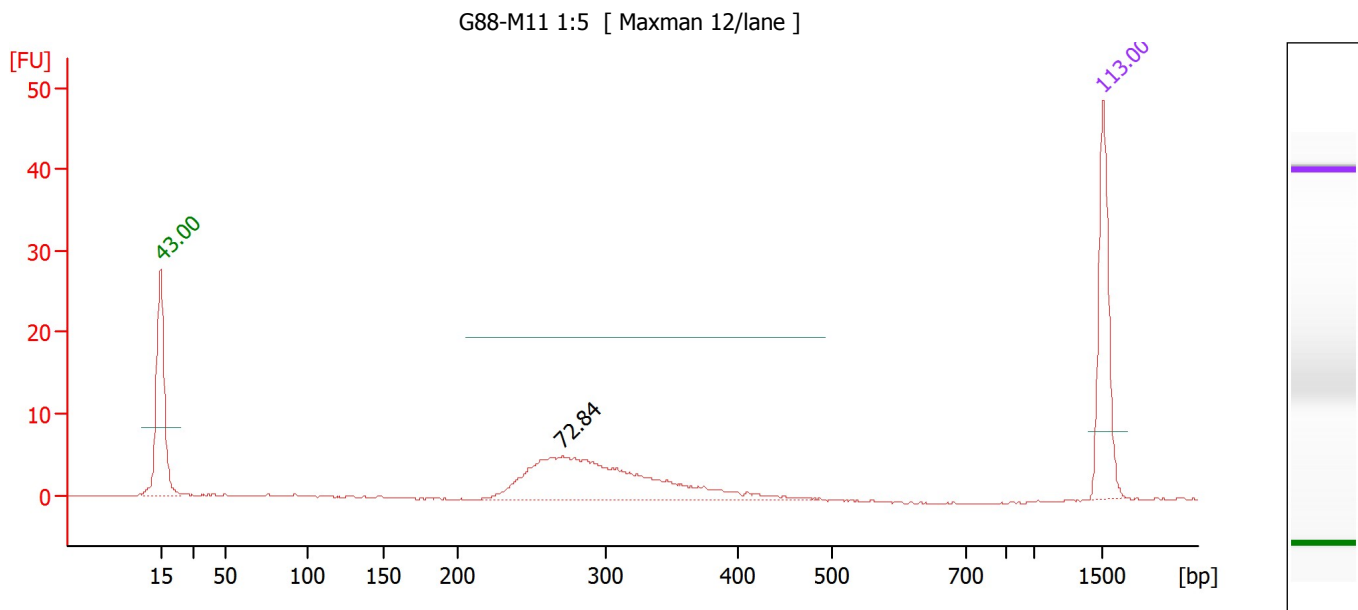
**Peak table for sample 10 : G88-M10 1:5**

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	278	3.25	17.7	
3	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000  
 Data Path: C:\...\01-24-2013\Waxman's 12 samples per one lane 2013-01-24.xad

Created: 1/24/2013 12:34:44 PM  
 Modified: 1/24/2013 2:03:15 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 11 : G88-M11 1:5**

Number of peaks found: 1

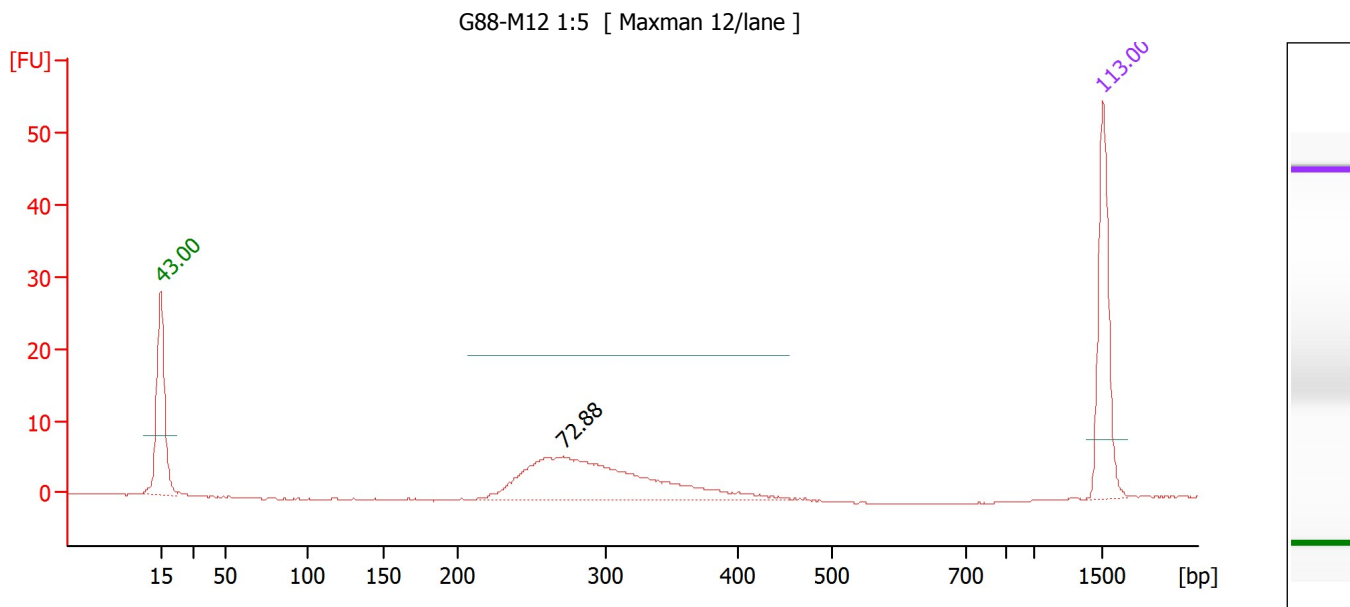
**Peak table for sample 11 : G88-M11 1:5**

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	271	4.49	25.1	
3	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000  
 Data Path: C:\...\01-24-2013\Waxman's 12 samples per one lane 2013-01-24.xad

Created: 1/24/2013 12:34:44 PM  
 Modified: 1/24/2013 2:03:15 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 12 : G88-M12 1:5**

Number of peaks found: 1

**Peak table for sample 12 : G88-M12 1:5**

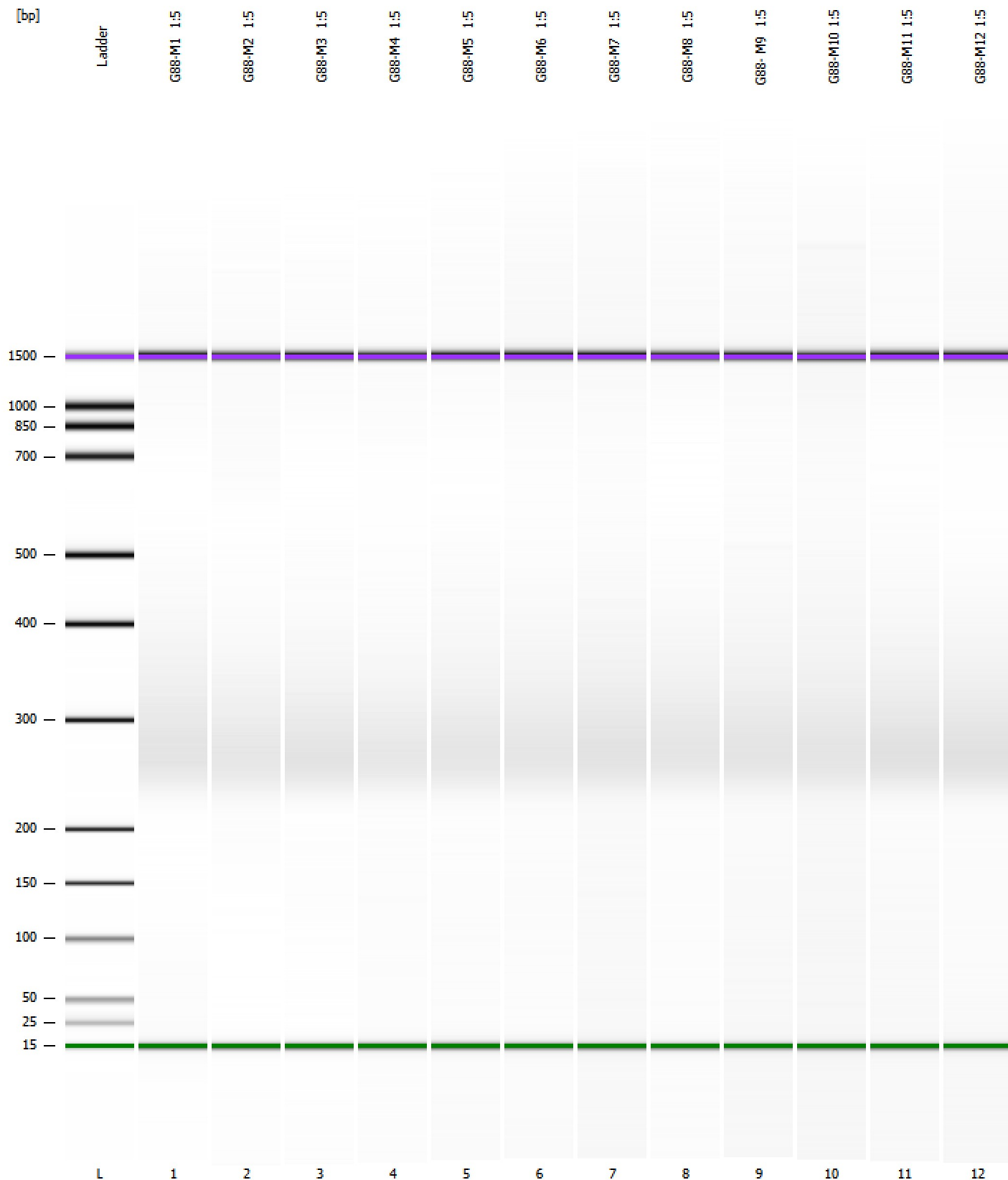
Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	271	4.30	24.0	
3	1,500	2.10	2.1	Upper Marker



Assay Class: DNA 1000  
Data Path: C:\...\01-24-2013\Waxman's 12 samples per one lane 2013-01-24.xad

Created: 1/24/2013 12:34:44 PM  
Modified: 1/24/2013 2:03:15 PM

Gel Image

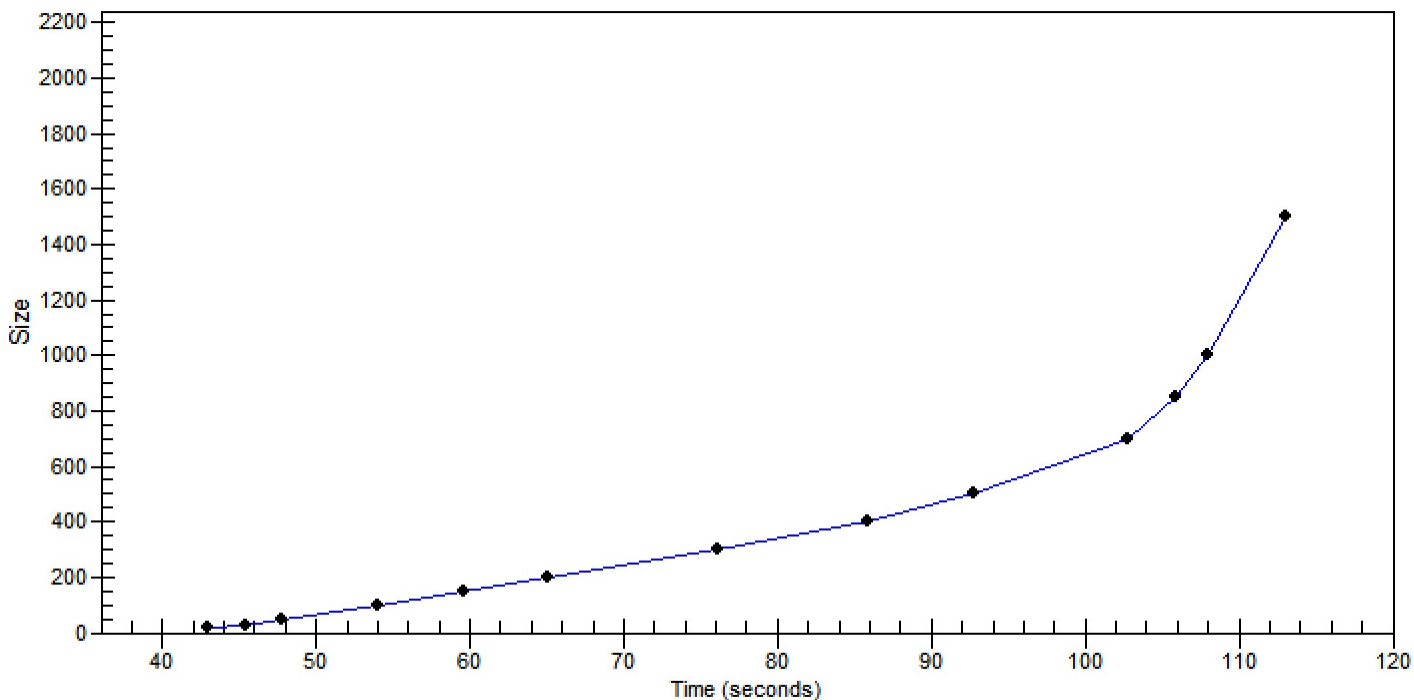


Assay Class: DNA 1000  
Data Path: C:\...\01-24-2013\Waxman's 12 samples per one lane 2013-01-24.xad

Created: 1/24/2013 12:34:44 PM  
Modified: 1/24/2013 2:03:15 PM

**Curves**

**Standard Curve**



Assay Class: DNA 1000  
 Data Path: C:\...\01-24-2013\Waxman's 12 samples per one lane 2013-01-24.xad  
 Created: 1/24/2013 12:34:44 PM  
 Modified: 1/24/2013 2:03:15 PM

**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		1/24/2013 1:16:31 PM	(GMT --05:00) Eastern Standard Time	admin	Datasystem01
Run started on port 1 (File: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\Data\2013-01-24\2100 expert_DNA 1000_DE729010 59_2013-01-24_12-34-44.xad)		Instrument	Run		1/24/2013 12:34:49 PM	(GMT --05:00) Eastern Standard Time	admin	Datasystem01
Product Number : G2939A		Instrument	Run		1/24/2013 12:34:49 PM	(GMT --05:00) Eastern Standard Time	admin	Datasystem01
Name :		Instrument	Run		1/24/2013 12:34:49 PM	(GMT --05:00) Eastern Standard Time	admin	Datasystem01
Vendor : Agilent Technologies		Instrument	Run		1/24/2013 12:34:49 PM	(GMT --05:00) Eastern Standard Time	admin	Datasystem01
Serial# : DE72901059		Instrument	Run		1/24/2013 12:34:49 PM	(GMT --05:00) Eastern Standard Time	admin	Datasystem01
Firmware : C.01.069		Instrument	Run		1/24/2013 12:34:49 PM	(GMT --05:00) Eastern Standard Time	admin	Datasystem01
Cartridge : Electrode		Instrument	Run		1/24/2013 12:34:49 PM	(GMT --05:00) Eastern Standard Time	admin	Datasystem01