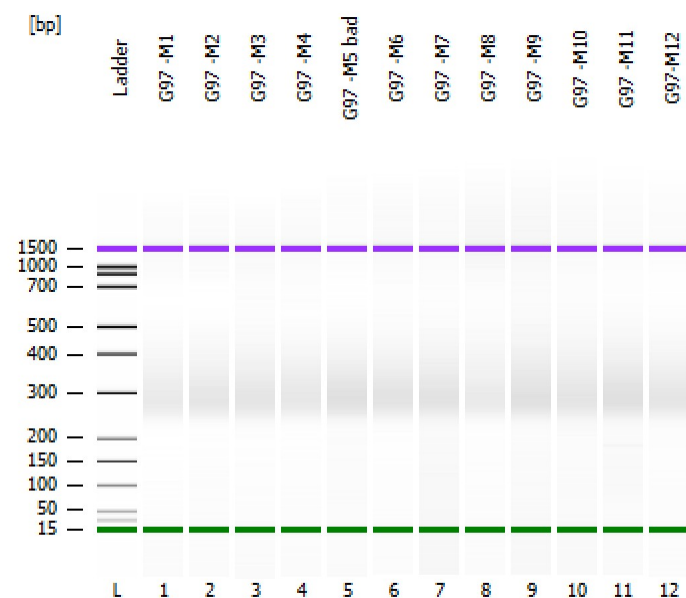


Assay Class: DNA 1000
Data Path: C:\...axman_12-3-2013 from Sherry\Waxman library A 2013-10-28.xad

Created: 10/28/2013 12:21:46 PM
Modified: 10/29/2013 2:51:10 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

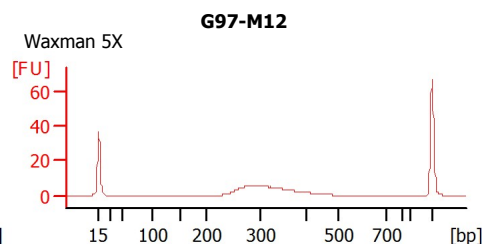
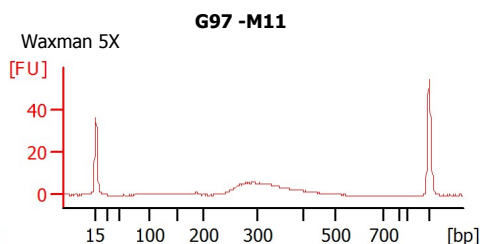
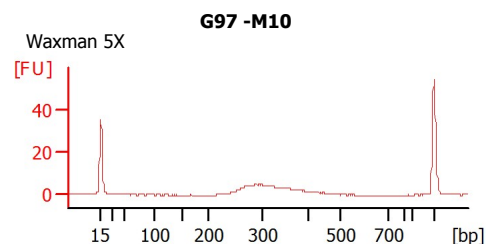
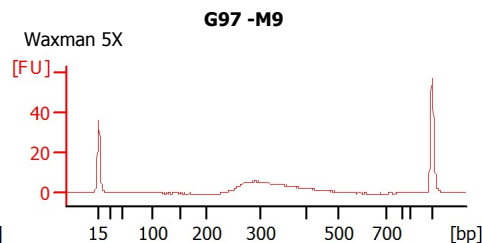
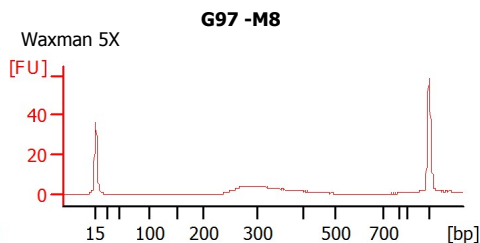
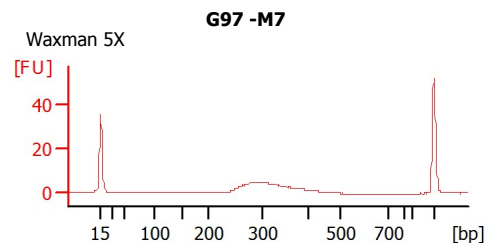
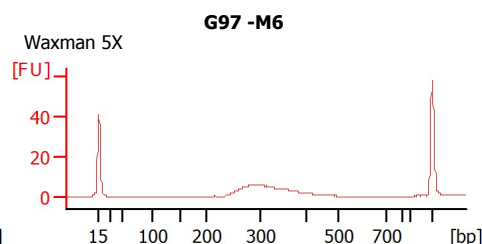
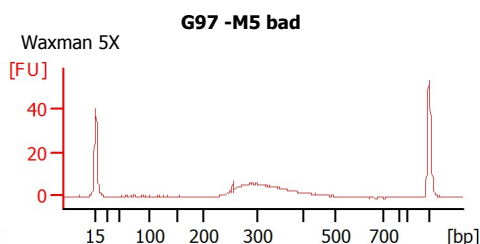
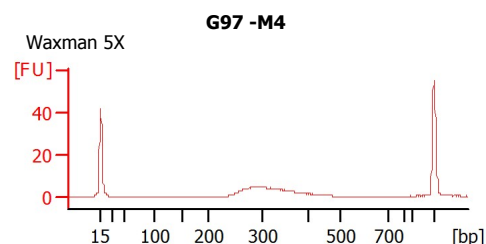
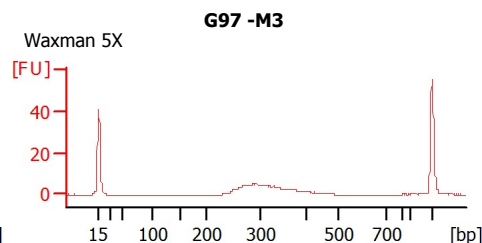
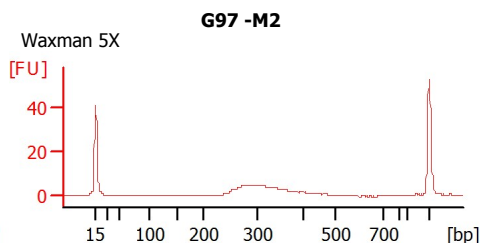
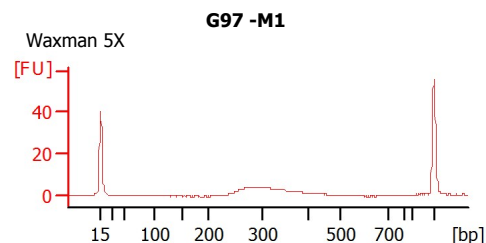
© Copyright 2003-2009 Agilent Technologies, Inc.

Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: DNA 1000
Data Path: C:\...axman_12-3-2013 from Sherry\Waxman library A 2013-10-28.xad

Created: 10/28/2013 12:21:46 PM
Modified: 10/29/2013 2:51:10 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Sta tus	Observation	Result Label	Result Color
G97 -M1	Waxman 5X	☐	✓			
G97 -M2	Waxman 5X	☐	✓			
G97 -M3	Waxman 5X	☐	✓			
G97 -M4	Waxman 5X	☐	✓			
G97 -M5 bad	Waxman 5X	☐	✓			
G97 -M6	Waxman 5X	☐	✓			
G97 -M7	Waxman 5X	☐	✓			
G97 -M8	Waxman 5X	☐	✓			
G97 -M9	Waxman 5X	☐	✓			
G97 -M10	Waxman 5X	☐	✓			
G97 -M11	Waxman 5X	☐	✓			
G97-M12	Waxman 5X	☐	✓			
Ladder		☐	✓			

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

Assay Class: DNA 1000
Data Path: C:\...axman_12-3-2013 from Sherry\Waxman library A 2013-10-28.xad

Created: 10/28/2013 12:21:46 PM
Modified: 10/29/2013 2:51:10 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

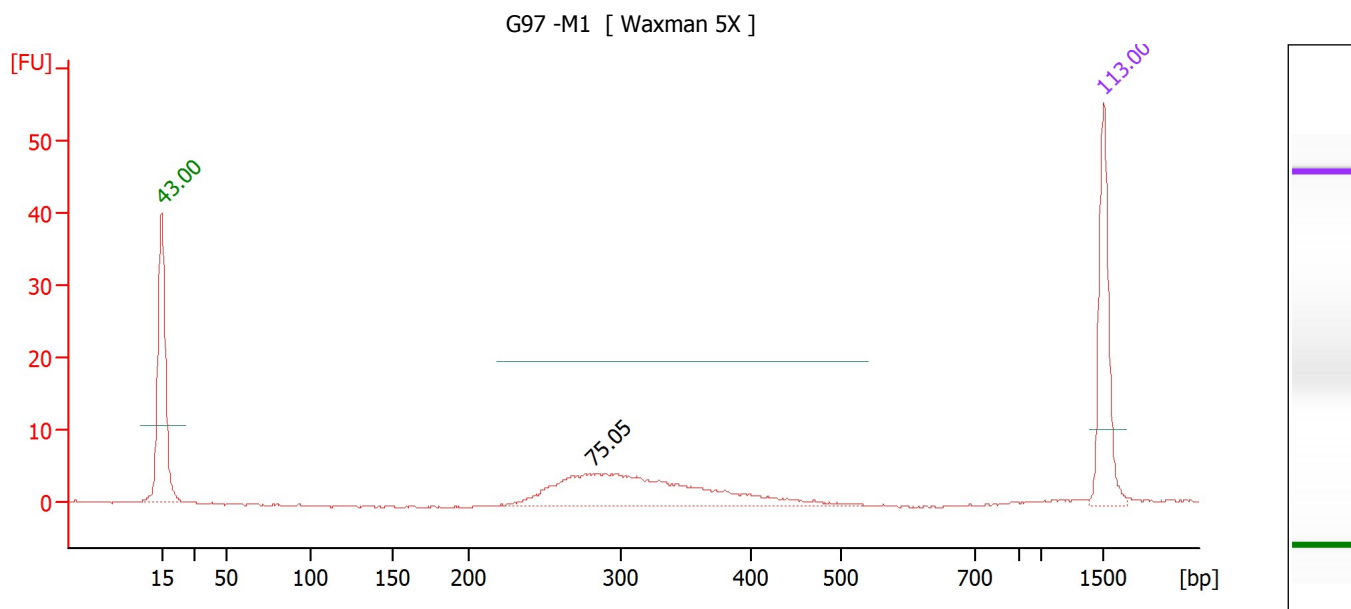
Filter Width [s] : 0.5
Polynomial Order : 4

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:\...axman_12-3-2013 from Sherry\Waxman library A 2013-10-28.xad

Created: 10/28/2013 12:21:46 PM
Modified: 10/29/2013 2:51:10 PM

Electropherogram Summary**Overall Results for sample 1 : G97 -M1**

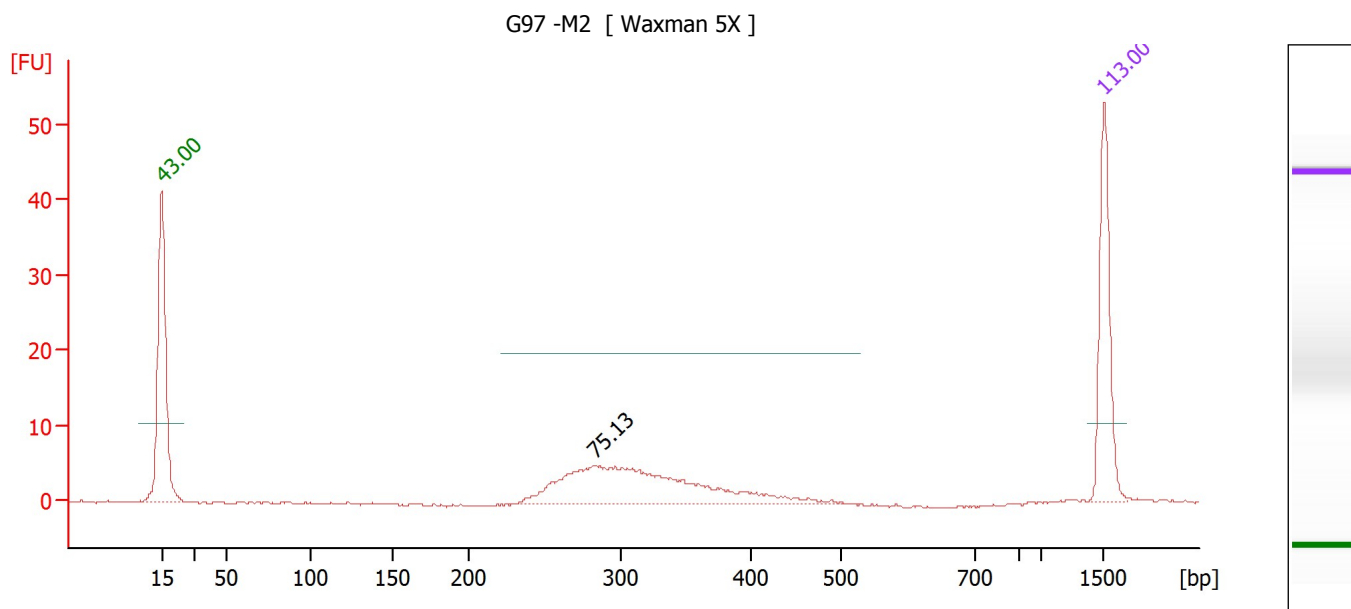
Number of peaks found: 1

Peak table for sample 1 : G97 -M1

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	282	4.17	22.4	
3	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000
Data Path: C:\...axman_12-3-2013 from Sherry\Waxman library A 2013-10-28.xad

Created: 10/28/2013 12:21:46 PM
Modified: 10/29/2013 2:51:10 PM

Electropherogram Summary Continued ...**Overall Results for sample 2 : G97 -M2**

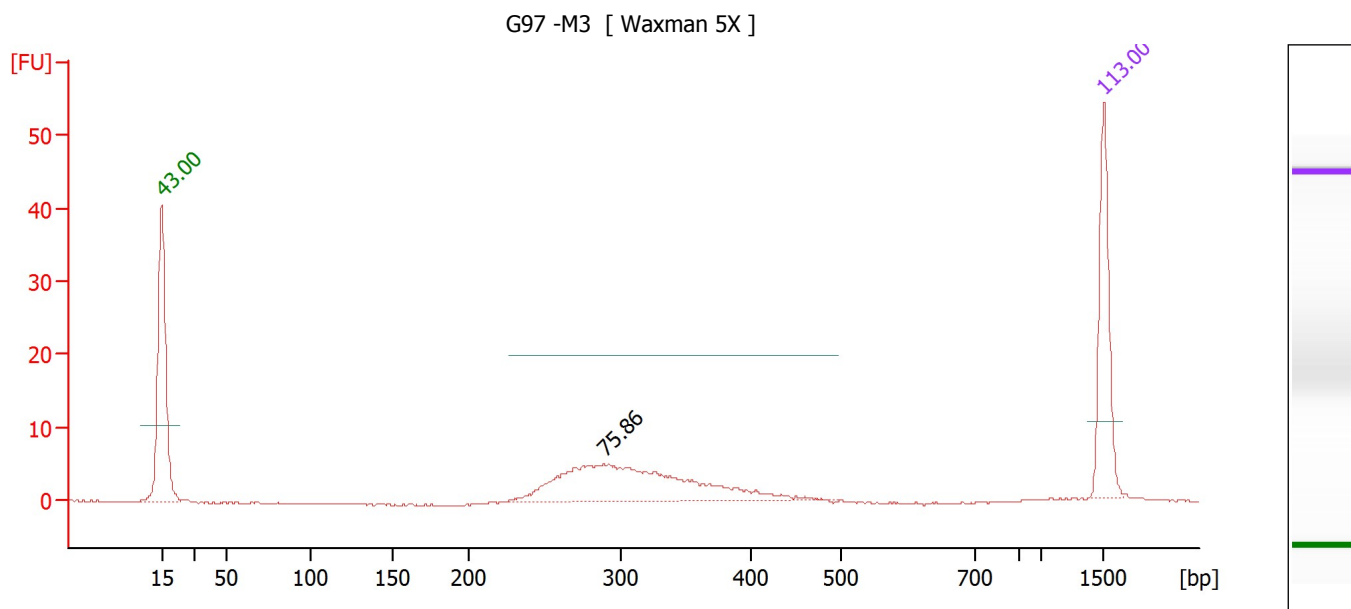
Number of peaks found: 1

Peak table for sample 2 : G97 -M2

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	283	4.49	24.0	
3	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000
Data Path: C:\...axman_12-3-2013 from Sherry\Waxman library A 2013-10-28.xad

Created: 10/28/2013 12:21:46 PM
Modified: 10/29/2013 2:51:10 PM

Electropherogram Summary Continued ...**Overall Results for sample 3 : G97 -M3**

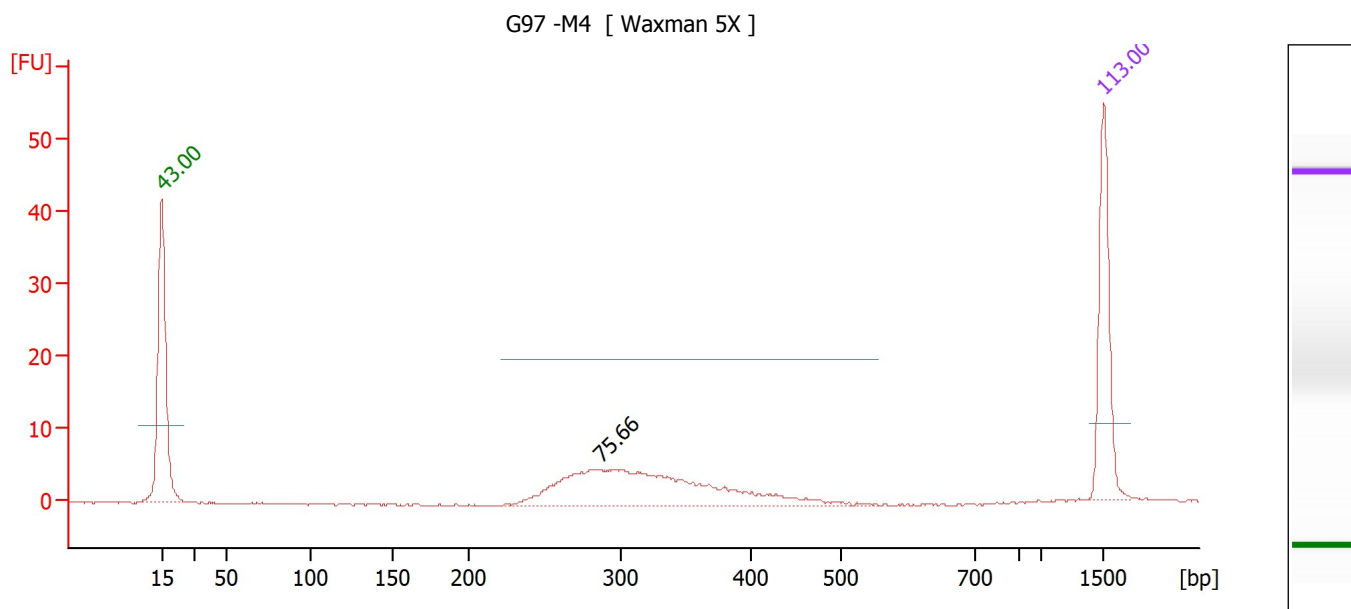
Number of peaks found: 1

Peak table for sample 3 : G97 -M3

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	289	4.31	22.6	
3	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000
Data Path: C:\...axman_12-3-2013 from Sherry\Waxman library A 2013-10-28.xad

Created: 10/28/2013 12:21:46 PM
Modified: 10/29/2013 2:51:10 PM

Electropherogram Summary Continued ...**Overall Results for sample 4 : G97 -M4**

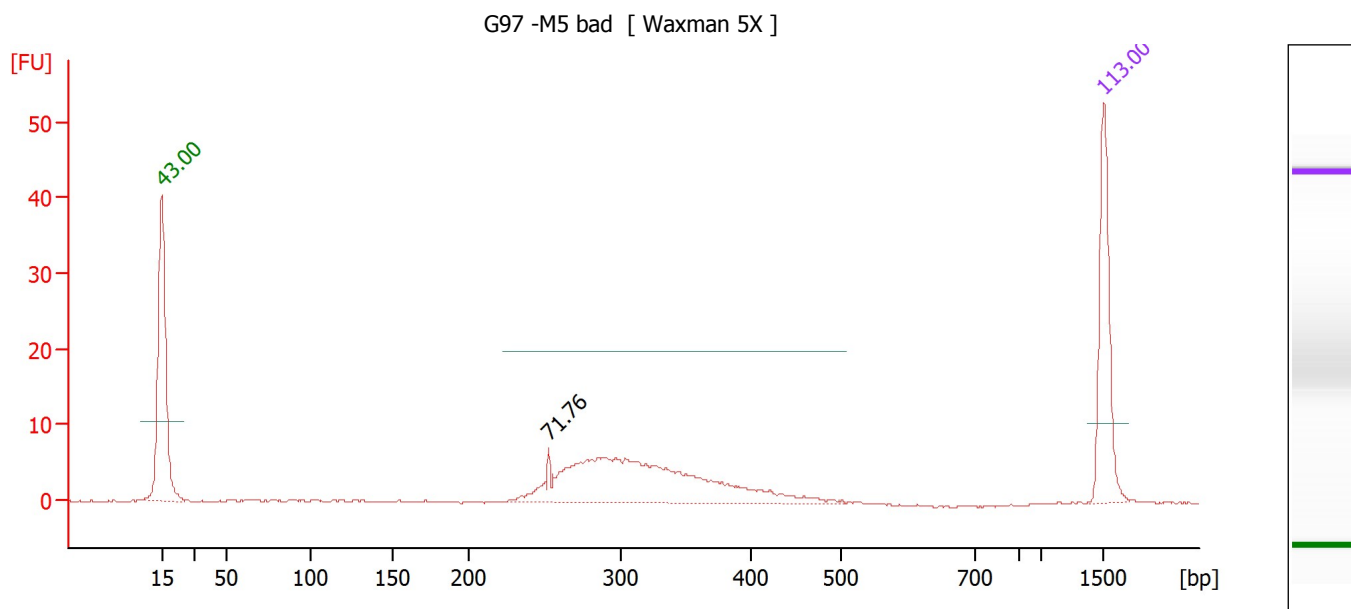
Number of peaks found: 1

Peak table for sample 4 : G97 -M4

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	287	4.50	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 A 2013-10-28.xad

Created: 10/28/2013 12:21:46 PM
Modified: 10/29/2013 2:51:10 PM

Electropherogram Summary Continued ...**Overall Results for sample 5 : G97 -M5 bad**

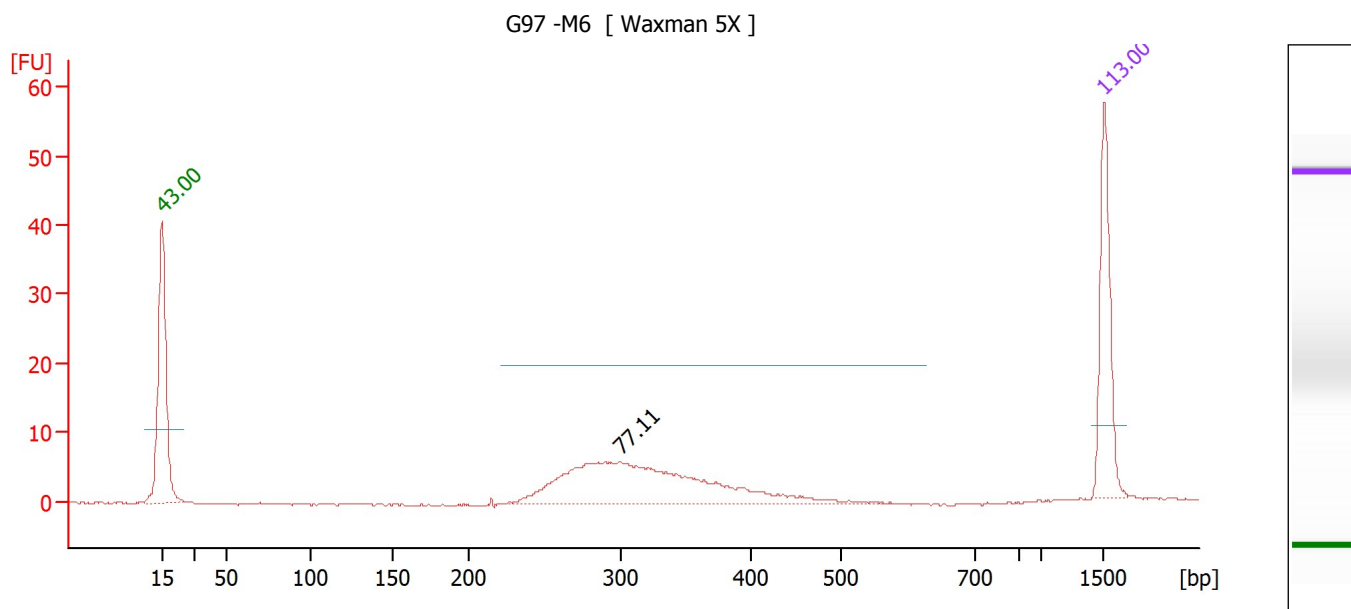
Number of peaks found: 1

Peak table for sample 5 : G97 -M5 bad

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	253	5.83	34.9	
3	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000
Data Path: C:\...axman_12-3-2013 from Sherry\Waxman library A 2013-10-28.xad

Created: 10/28/2013 12:21:46 PM
Modified: 10/29/2013 2:51:10 PM

Electropherogram Summary Continued ...**Overall Results for sample 6 : G97 -M6**

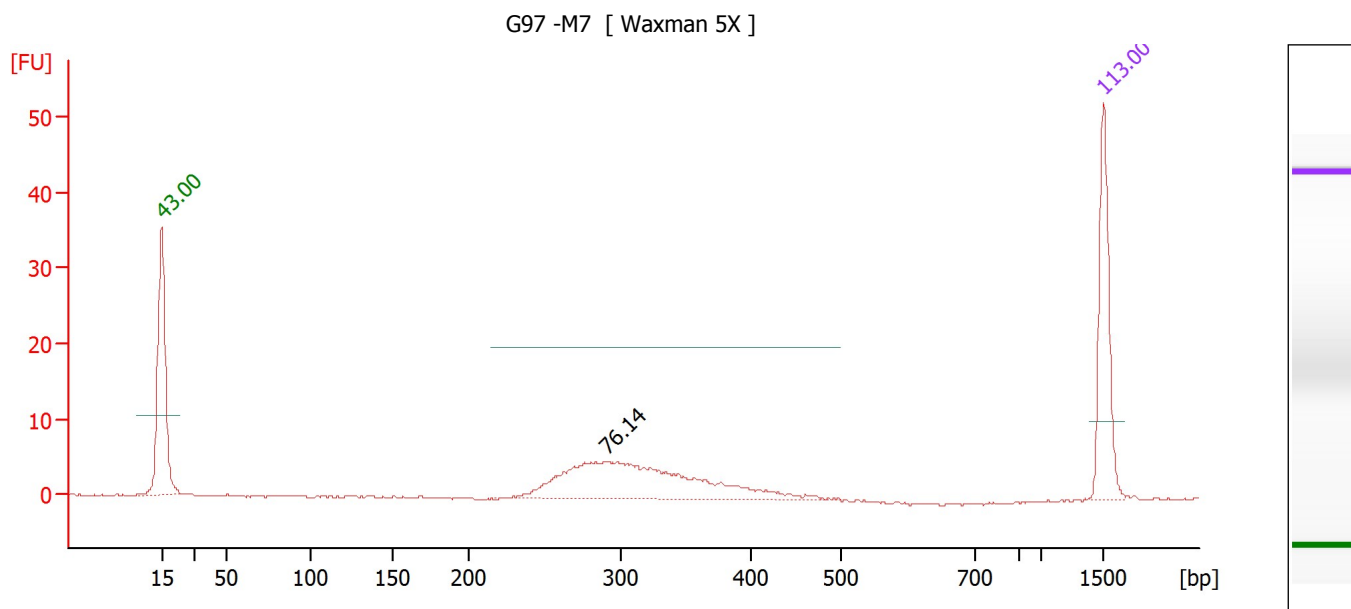
Number of peaks found: 1

Peak table for sample 6 : G97 -M6

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	300	5.31	26.8	
3	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000
Data Path: C:\...axman_12-3-2013 from Sherry\Waxman library A 2013-10-28.xad

Created: 10/28/2013 12:21:46 PM
Modified: 10/29/2013 2:51:10 PM

Electropherogram Summary Continued ...**Overall Results for sample 7 : G97 -M7**

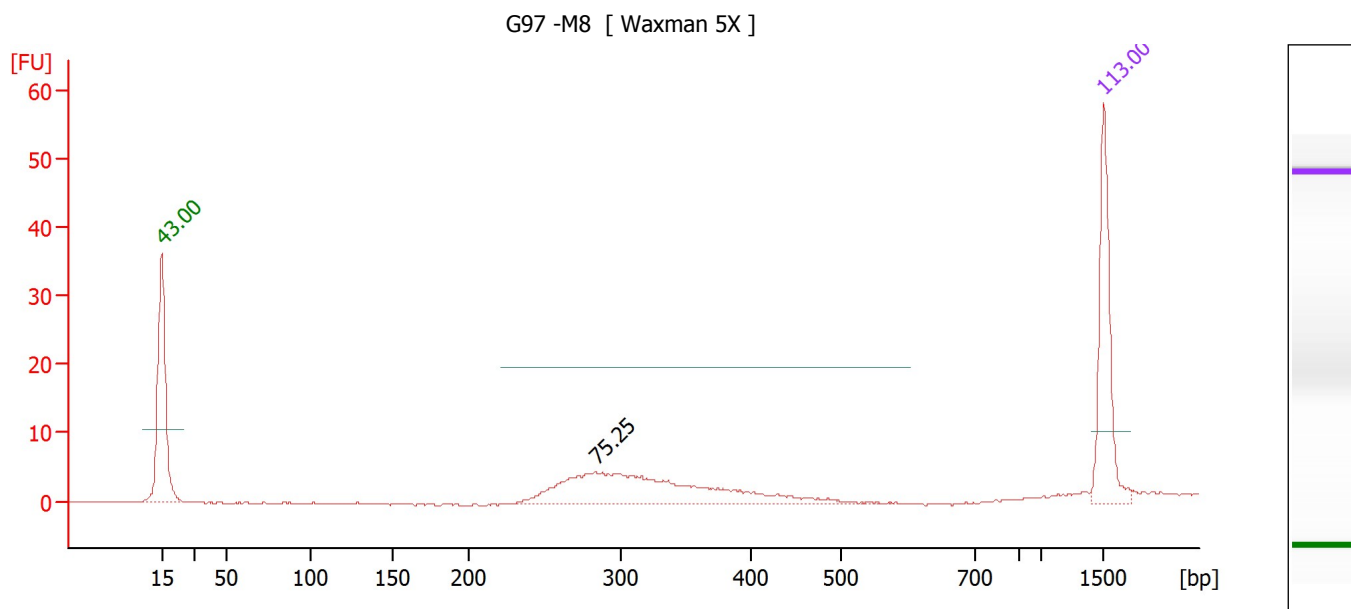
Number of peaks found: 1

Peak table for sample 7 : G97 -M7

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	292	4.29	22.3	
3	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000
Data Path: C:\...axman_12-3-2013 from Sherry\Waxman library A 2013-10-28.xad

Created: 10/28/2013 12:21:46 PM
Modified: 10/29/2013 2:51:10 PM

Electropherogram Summary Continued ...**Overall Results for sample 8 : G97 -M8**

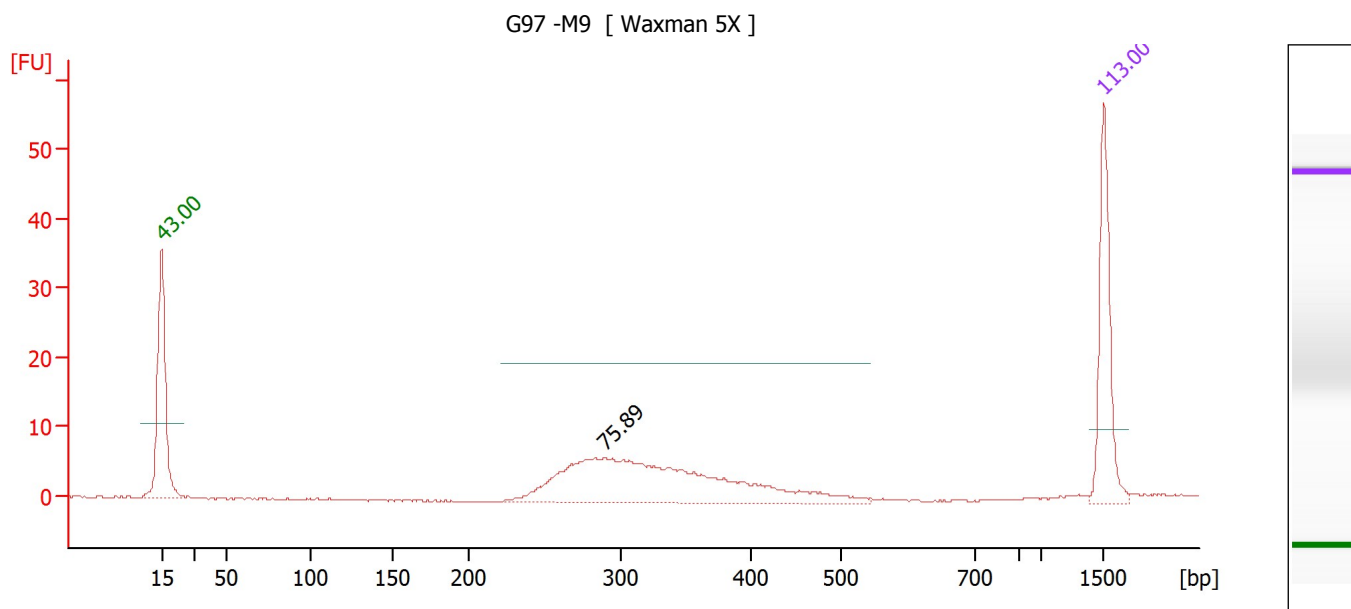
Number of peaks found: 1

Peak table for sample 8 : G97 -M8

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	284	3.77	20.2	
3	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000
Data Path: C:\...axman_12-3-2013 from Sherry\Waxman library A 2013-10-28.xad

Created: 10/28/2013 12:21:46 PM
Modified: 10/29/2013 2:51:10 PM

Electropherogram Summary Continued ...**Overall Results for sample 9 : G97 -M9**

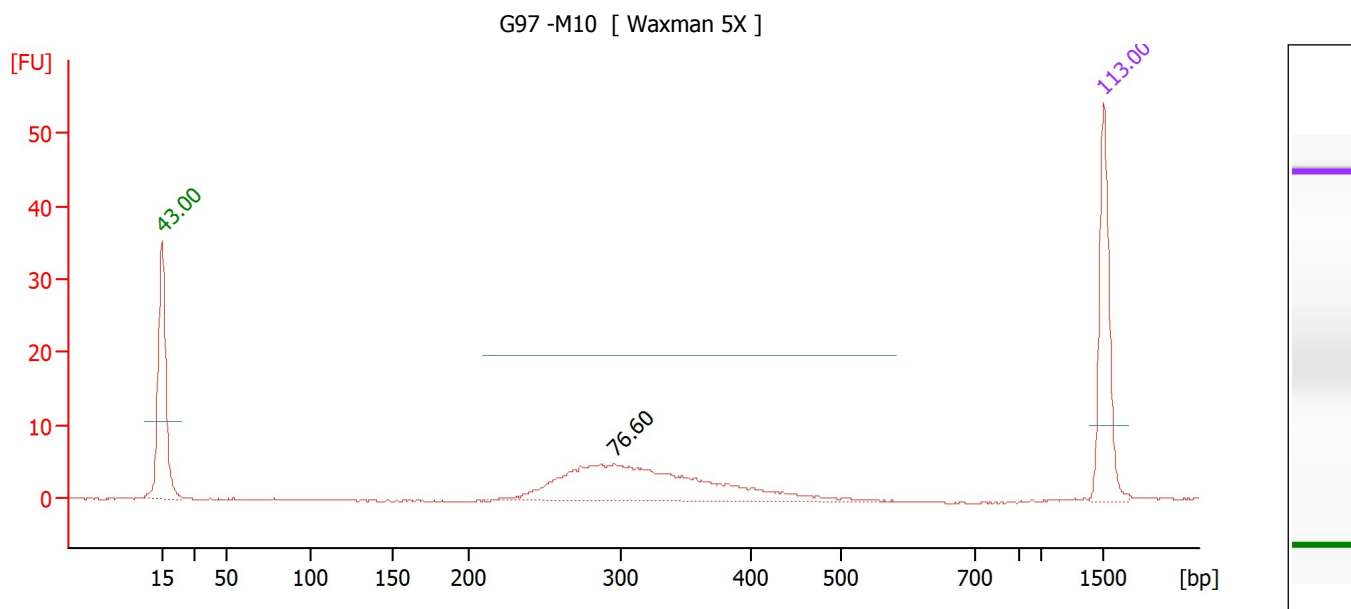
Number of peaks found: 1

Peak table for sample 9 : G97 -M9

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	289	5.75	30.1	
3	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000
Data Path: C:\...axman_12-3-2013 from Sherry\Waxman library A 2013-10-28.xad

Created: 10/28/2013 12:21:46 PM
Modified: 10/29/2013 2:51:10 PM

Electropherogram Summary Continued ...**Overall Results for sample 10 : G97 -M10**

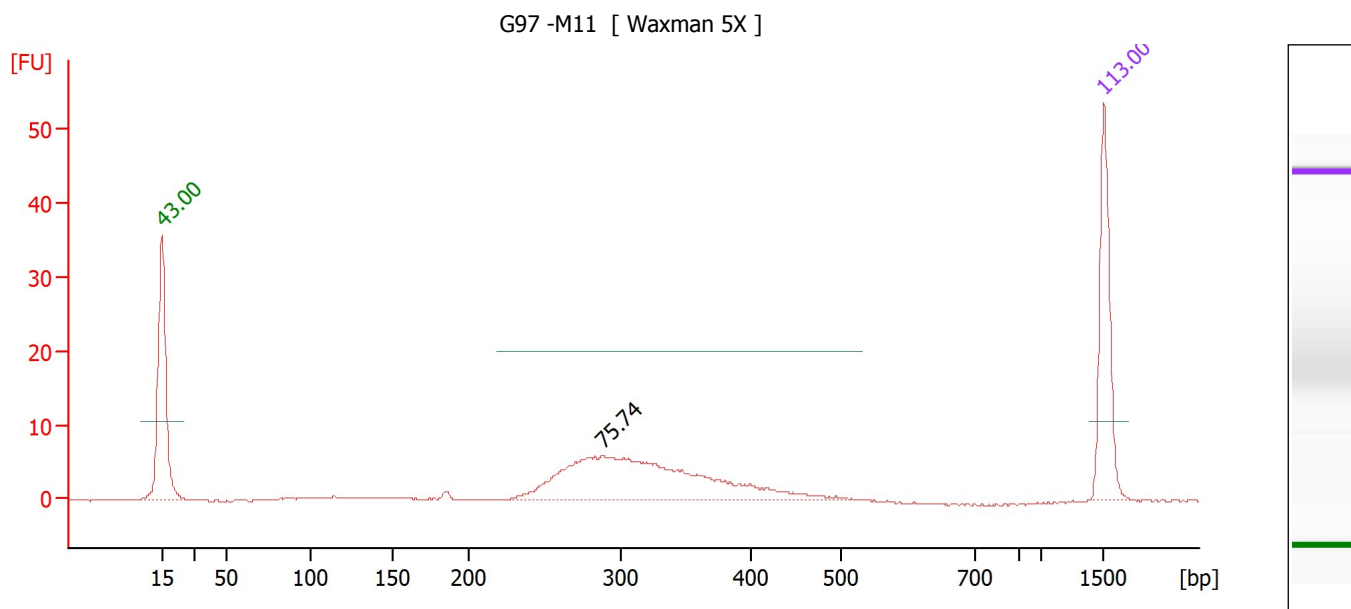
Number of peaks found: 1

Peak table for sample 10 : G97 -M10

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	296	4.47	22.9	
3	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000
Data Path: C:\...axman_12-3-2013 from Sherry\Waxman library A 2013-10-28.xad

Created: 10/28/2013 12:21:46 PM
Modified: 10/29/2013 2:51:10 PM

Electropherogram Summary Continued ...**Overall Results for sample 11 : G97 -M11**

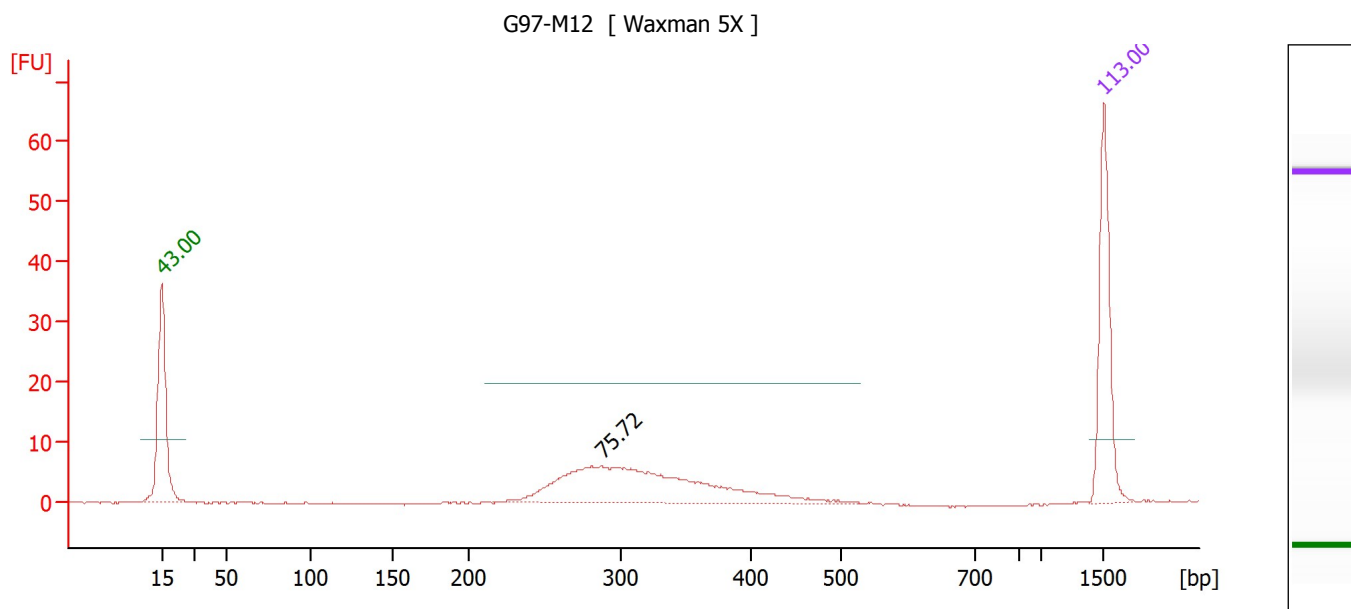
Number of peaks found: 1

Peak table for sample 11 : G97 -M11

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	288	5.22	27.5	
3	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000
Data Path: C:\...axman_12-3-2013 from Sherry\Waxman library A 2013-10-28.xad

Created: 10/28/2013 12:21:46 PM
Modified: 10/29/2013 2:51:10 PM

Electropherogram Summary Continued ...**Overall Results for sample 12 : G97-M12**

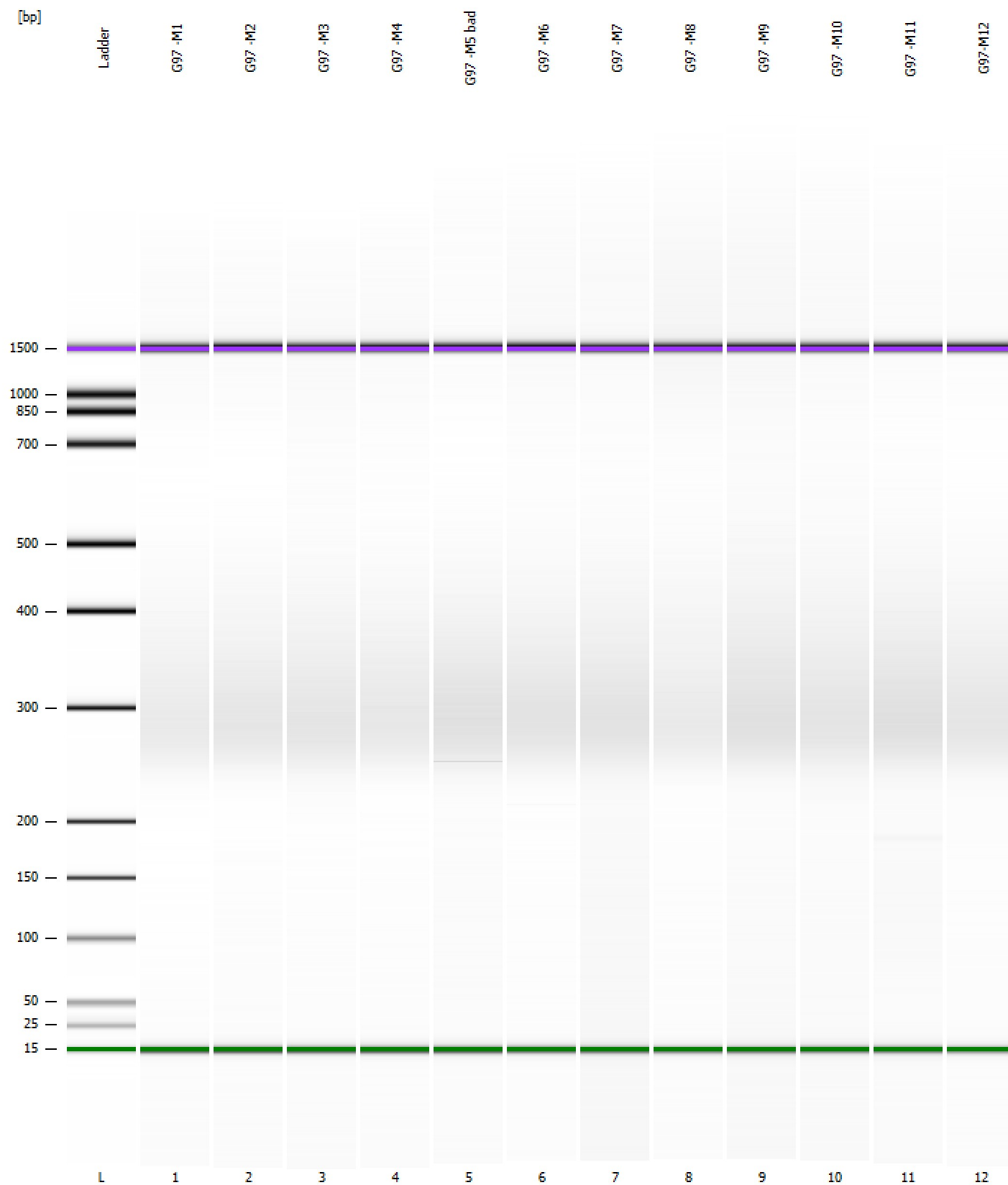
Number of peaks found: 1

Peak table for sample 12 : G97-M12

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	288	4.34	22.9	
3	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000
Data Path: C:\...axman_12-3-2013 from Sherry\Waxman library A 2013-10-28.xad

Created: 10/28/2013 12:21:46 PM
Modified: 10/29/2013 2:51:10 PM

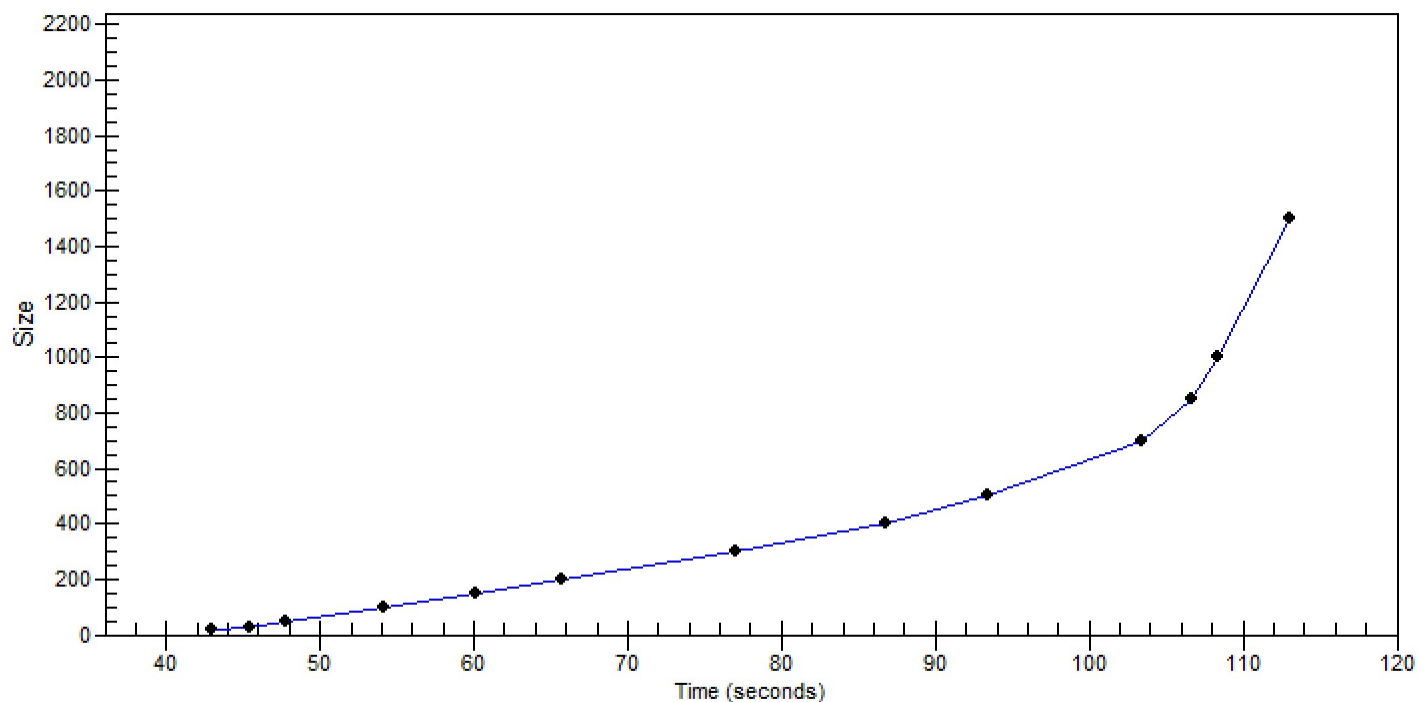
Gel Image

Assay Class: DNA 1000
Data Path: C:\...axman_12-3-2013 from Sherry\Waxman library A 2013-10-28.xad

Created: 10/28/2013 12:21:46 PM
Modified: 10/29/2013 2:51:10 PM

Curves

Standard Curve



Assay Class: DNA 1000
 Data Path: C:\...axman_12-3-2013 from Sherry\Waxman library A 2013-10-28.xad

Created: 10/28/2013 12:21:46 PM
 Modified: 10/29/2013 2:51:10 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		10/28/2013 1:02:41 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\2013-10-28\2100 expert_DNA 1000_DE72901059_2013-10-28_12-21-46.xad)		Instrument	Run		10/28/2013 12:21:51 PM	(GMT --04:00) Eastern Standard Time	admin	Datasystem01
Product Number : G2939A		Instrument	Run		10/28/2013 12:21:51 PM	(GMT --04:00) Eastern Standard Time	admin	Datasystem01
Name :		Instrument	Run		10/28/2013 12:21:51 PM	(GMT --04:00) Eastern Standard Time	admin	Datasystem01
Vendor : Agilent Technologies		Instrument	Run		10/28/2013 12:21:51 PM	(GMT --04:00) Eastern Standard Time	admin	Datasystem01
Serial# : DE72901059		Instrument	Run		10/28/2013 12:21:51 PM	(GMT --04:00) Eastern Standard Time	admin	Datasystem01
Firmware : C.01.069		Instrument	Run		10/28/2013 12:21:51 PM	(GMT --04:00) Eastern Standard Time	admin	Datasystem01
Cartridge : Electrode		Instrument	Run		10/28/2013 12:21:51 PM	(GMT --04:00) Eastern Standard Time	admin	Datasystem01