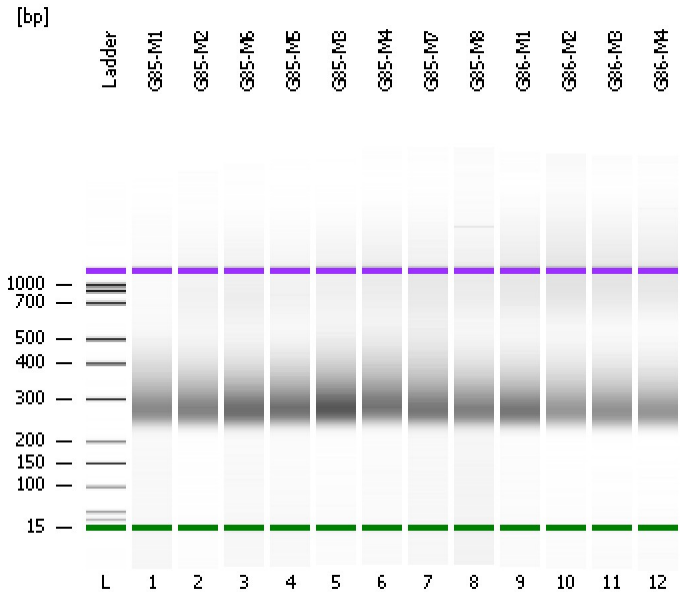


Assay Class: DNA 1000  
 Data Path: C:\...-12\2100 expert\_DNA 1000\_DE72901059\_2012-12-18\_11-45-21.xad

Created: 12/18/2012 11:45:21 AM  
 Modified: 12/20/2012 3:31:28 PM

**Electrophoresis File Run Summary**



Instrument Information:

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

Assay Information:

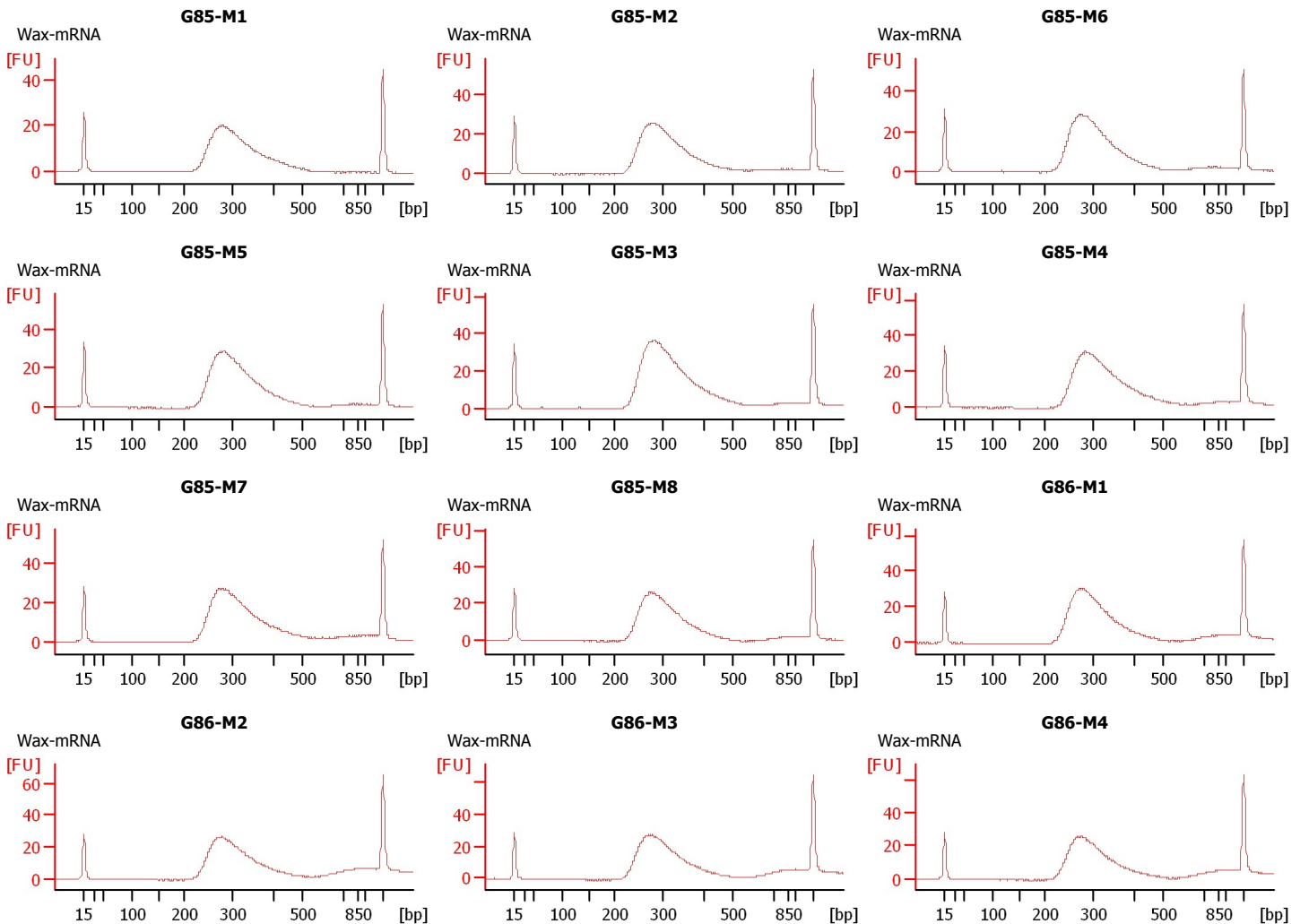
Assay Origin Path: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\assays\dsDNA\DNA 1000 Series II.xsy

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:\...-12\2100 expert\_DNA 1000\_DE72901059\_2012-12-18\_11-45-21.xad

Created: 12/18/2012 11:45:21 AM  
Modified: 12/20/2012 3:31:28 PM

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

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
G85-M1	Wax-mRNA	<input type="checkbox"/>	✓			
G85-M2	Wax-mRNA	<input type="checkbox"/>	✓			
G85-M6	Wax-mRNA	<input type="checkbox"/>	✓			
G85-M5	Wax-mRNA	<input type="checkbox"/>	✓			
G85-M3	Wax-mRNA	<input type="checkbox"/>	✓			
G85-M4	Wax-mRNA	<input type="checkbox"/>	✓			
G85-M7	Wax-mRNA	<input type="checkbox"/>	✓			
G85-M8	Wax-mRNA	<input type="checkbox"/>	✓			
G86-M1	Wax-mRNA	<input type="checkbox"/>	✓			
G86-M2	Wax-mRNA	<input type="checkbox"/>	✓			
G86-M3	Wax-mRNA	<input type="checkbox"/>	✓			
G86-M4	Wax-mRNA	<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: DNA 1000  
Data Path: C:\...-12\2100 expert\_DNA 1000\_DE72901059\_2012-12-18\_11-45-21.xad

Created: 12/18/2012 11:45:21 AM  
Modified: 12/20/2012 3:31:28 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

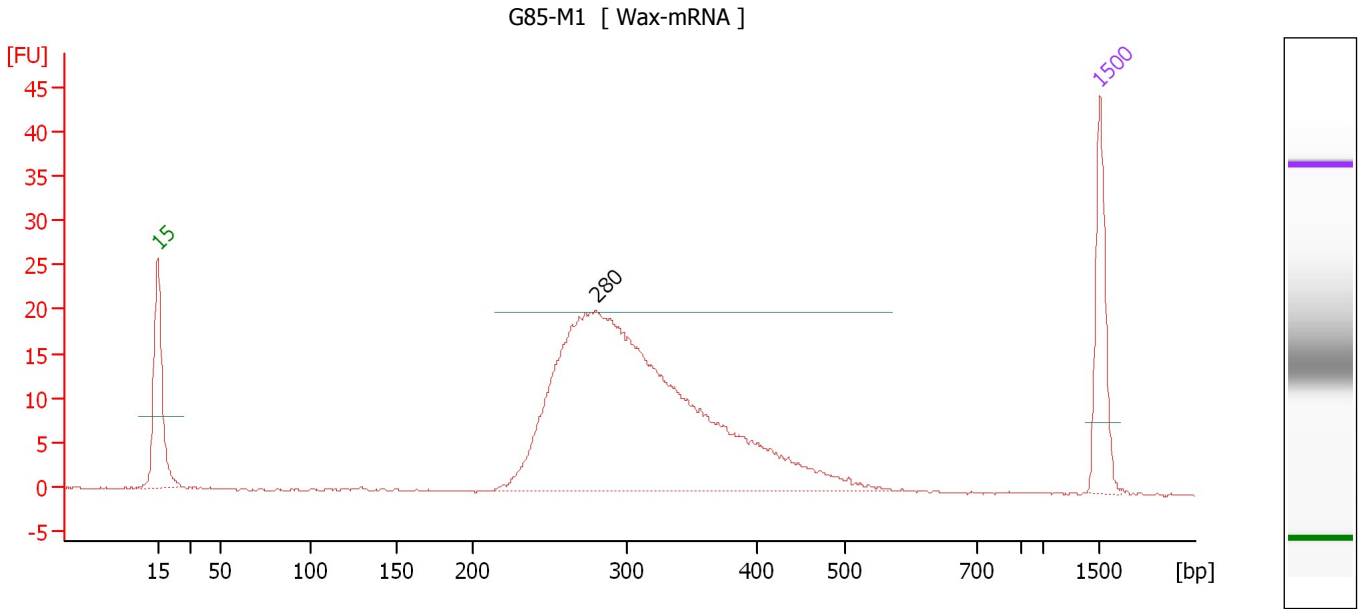
**Ladder**

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:\...-12\2100 expert\_DNA 1000\_DE72901059\_2012-12-18\_11-45-21.xad

Created: 12/18/2012 11:45:21 AM  
 Modified: 12/20/2012 3:31:28 PM

**Electropherogram Summary**



**Overall Results for sample 1 : G85-M1**

Number of peaks found: 1

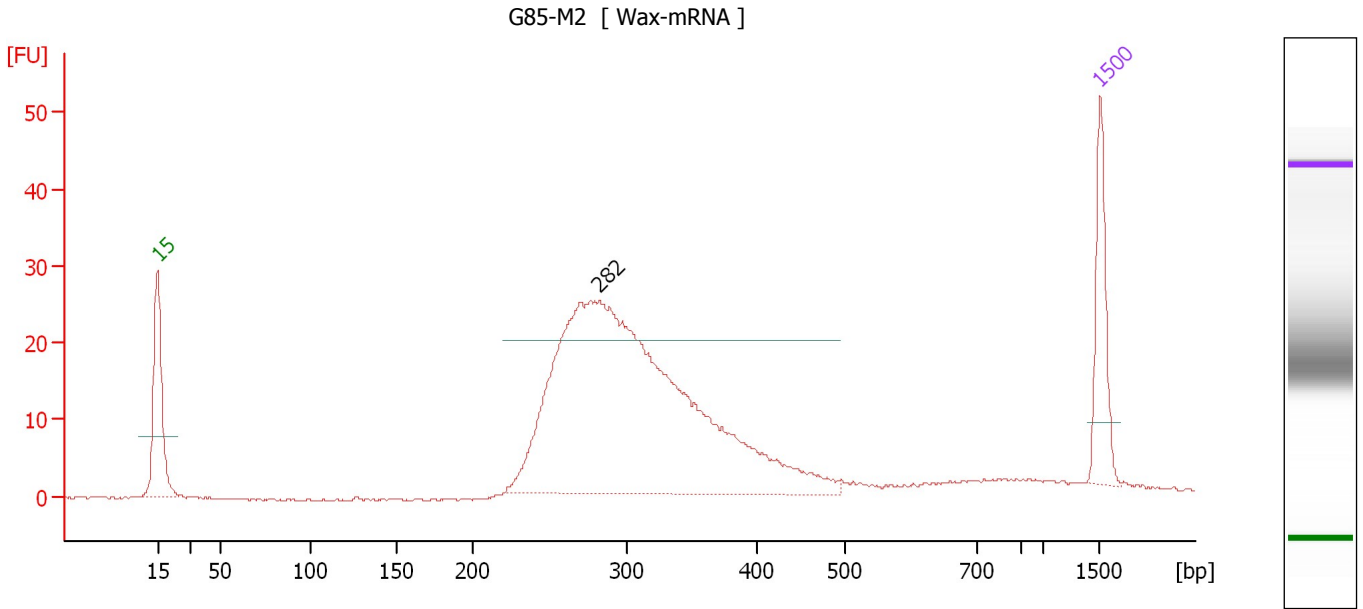
**Peak table for sample 1 : G85-M1**

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	280	21.36	115.7	
3	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000  
 Data Path: C:\...-12\2100 expert\_DNA 1000\_DE72901059\_2012-12-18\_11-45-21.xad

Created: 12/18/2012 11:45:21 AM  
 Modified: 12/20/2012 3:31:28 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : G85-M2**

Number of peaks found: 1

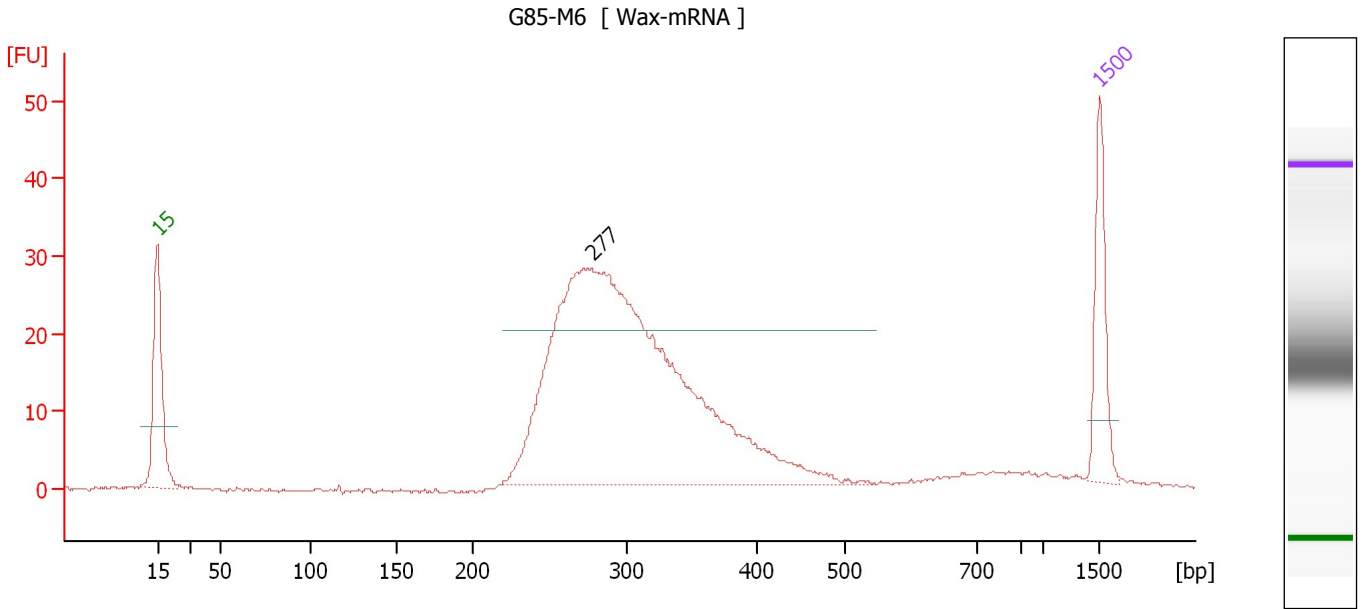
**Peak table for sample 2 : G85-M2**

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	282	23.03	123.8	
3	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000  
 Data Path: C:\...-12\2100 expert\_DNA 1000\_DE72901059\_2012-12-18\_11-45-21.xad

Created: 12/18/2012 11:45:21 AM  
 Modified: 12/20/2012 3:31:28 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : G85-M6**

Number of peaks found: 1

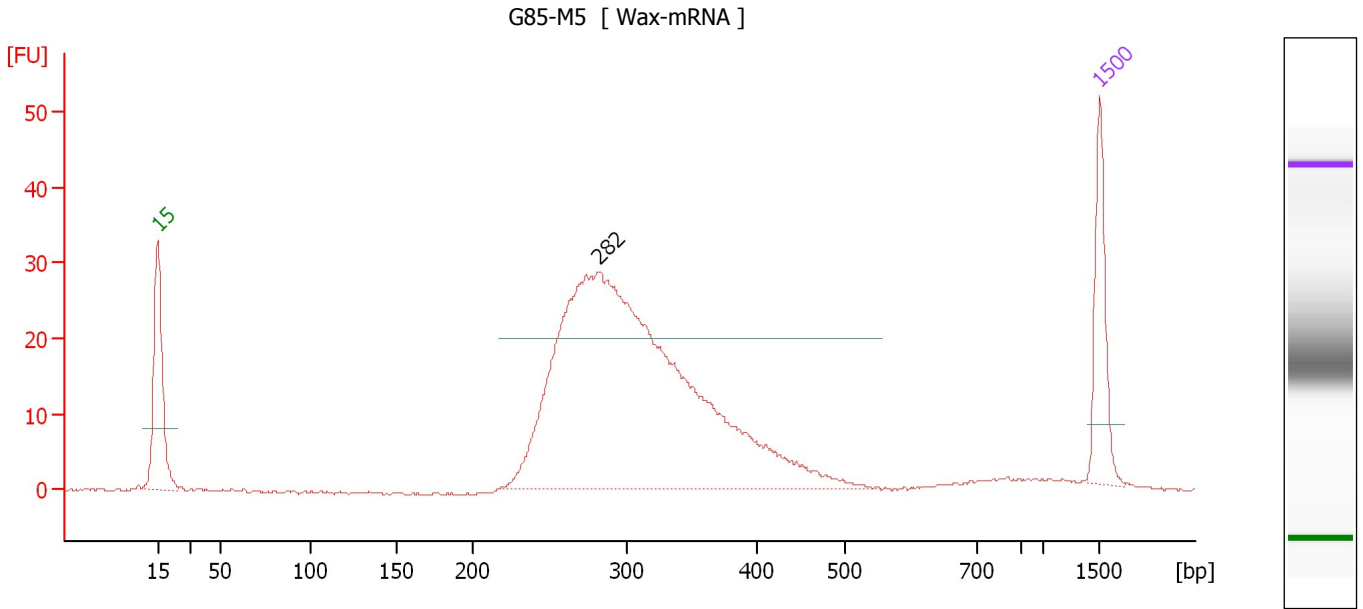
**Peak table for sample 3 : G85-M6**

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	277	24.41	133.4	
3	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000  
 Data Path: C:\...-12\2100 expert\_DNA 1000\_DE72901059\_2012-12-18\_11-45-21.xad

Created: 12/18/2012 11:45:21 AM  
 Modified: 12/20/2012 3:31:28 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : G85-M5**

Number of peaks found: 1

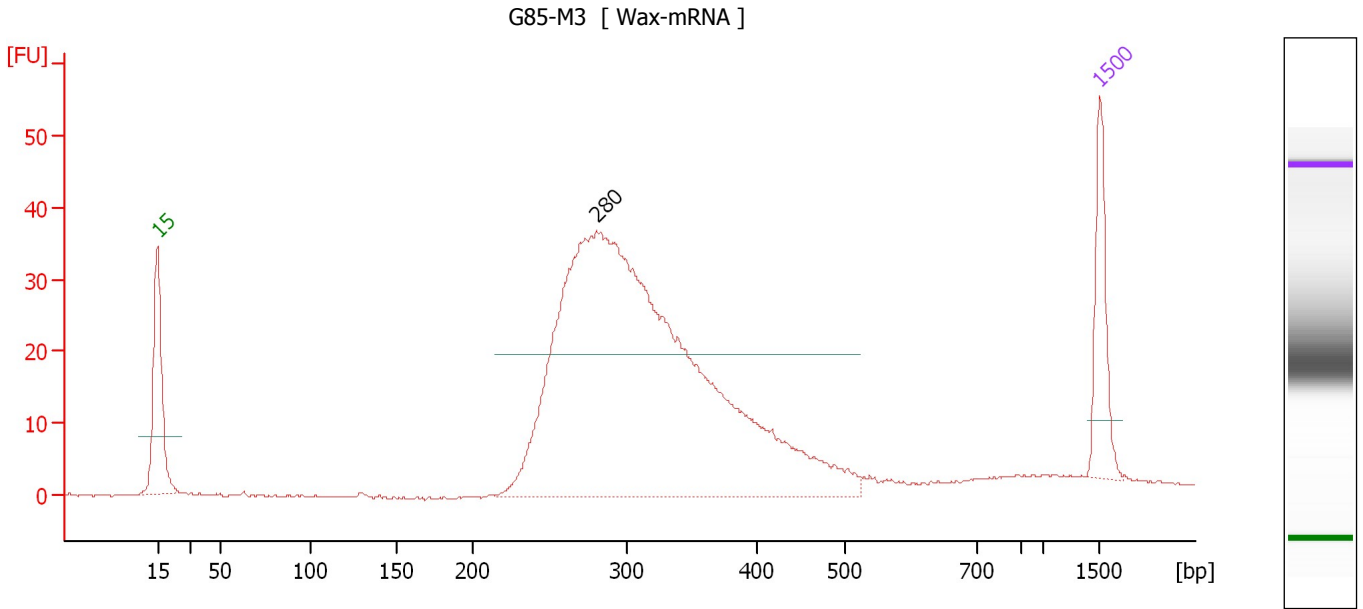
**Peak table for sample 4 : G85-M5**

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	282	24.58	132.1	
3	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000  
 Data Path: C:\...-12\2100 expert\_DNA 1000\_DE72901059\_2012-12-18\_11-45-21.xad

Created: 12/18/2012 11:45:21 AM  
 Modified: 12/20/2012 3:31:28 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : G85-M3**

Number of peaks found: 1

**Peak table for sample 5 : G85-M3**

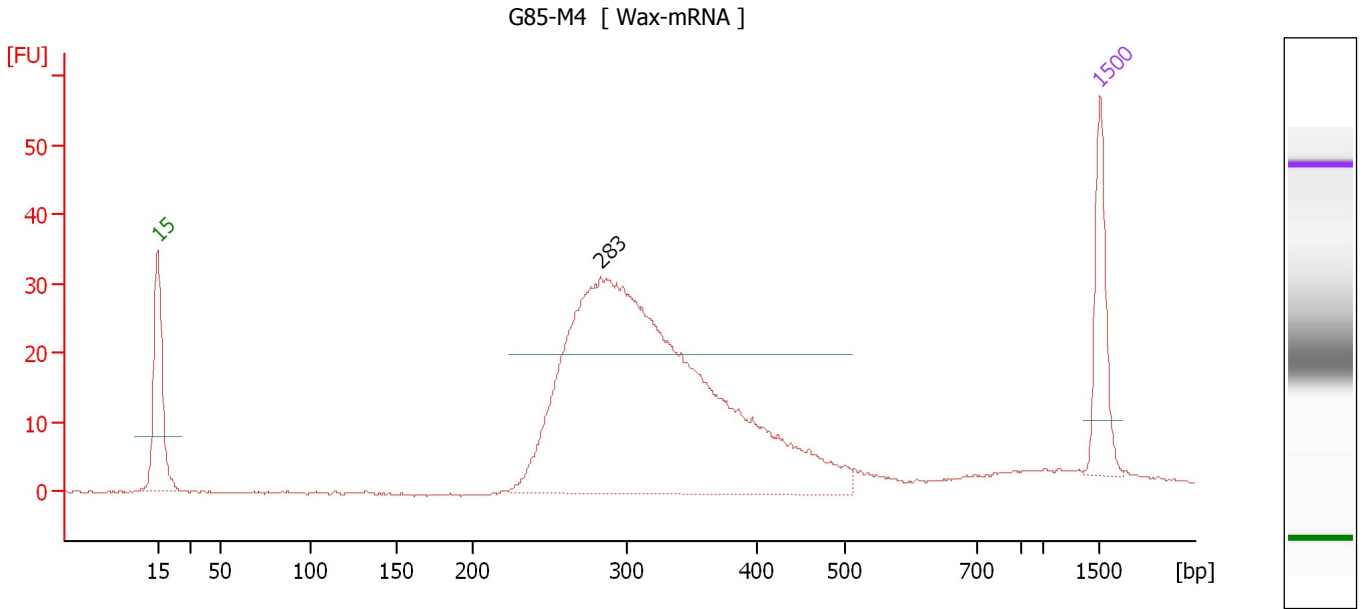
Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	280	31.53	170.6	
3	1,500	2.10	2.1	Upper Marker



Assay Class: DNA 1000  
 Data Path: C:\...-12\2100 expert\_DNA 1000\_DE72901059\_2012-12-18\_11-45-21.xad

Created: 12/18/2012 11:45:21 AM  
 Modified: 12/20/2012 3:31:28 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : G85-M4**

Number of peaks found: 1

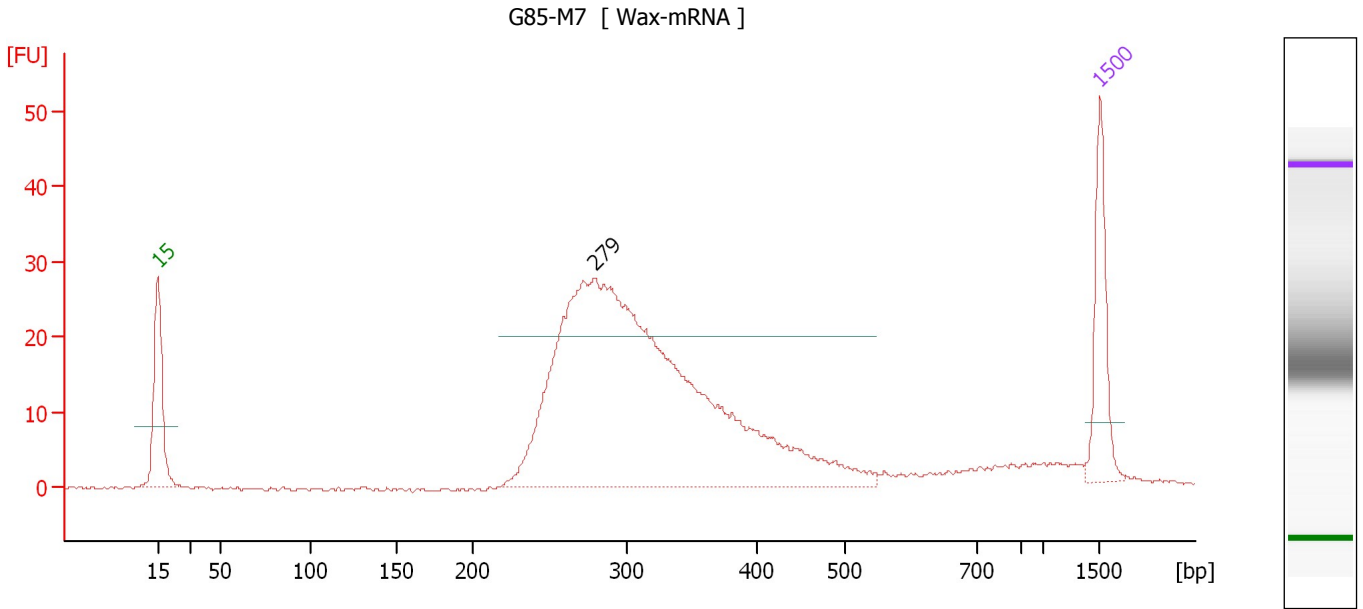
**Peak table for sample 6 : G85-M4**

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	283	25.69	137.7	
3	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000  
 Data Path: C:\...-12\2100 expert\_DNA 1000\_DE72901059\_2012-12-18\_11-45-21.xad

Created: 12/18/2012 11:45:21 AM  
 Modified: 12/20/2012 3:31:28 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : G85-M7**

Number of peaks found: 1

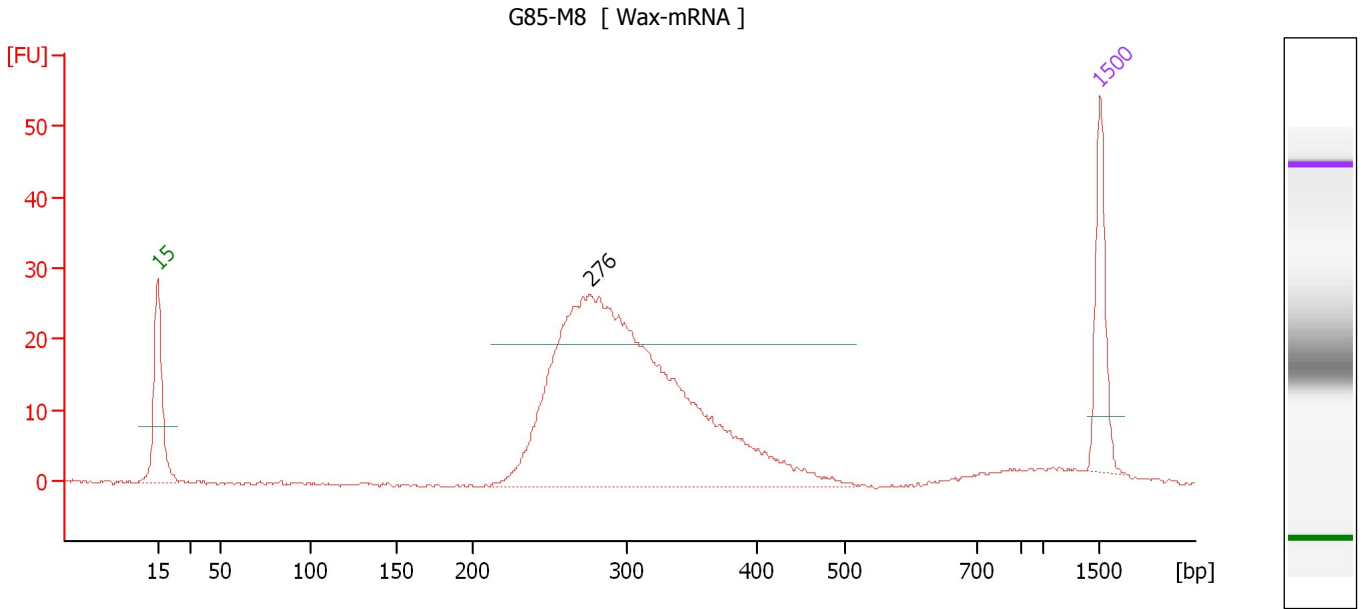
**Peak table for sample 7 : G85-M7**

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	279	24.41	132.5	
3	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000  
 Data Path: C:\...-12\2100 expert\_DNA 1000\_DE72901059\_2012-12-18\_11-45-21.xad

Created: 12/18/2012 11:45:21 AM  
 Modified: 12/20/2012 3:31:28 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : G85-M8**

Number of peaks found: 1

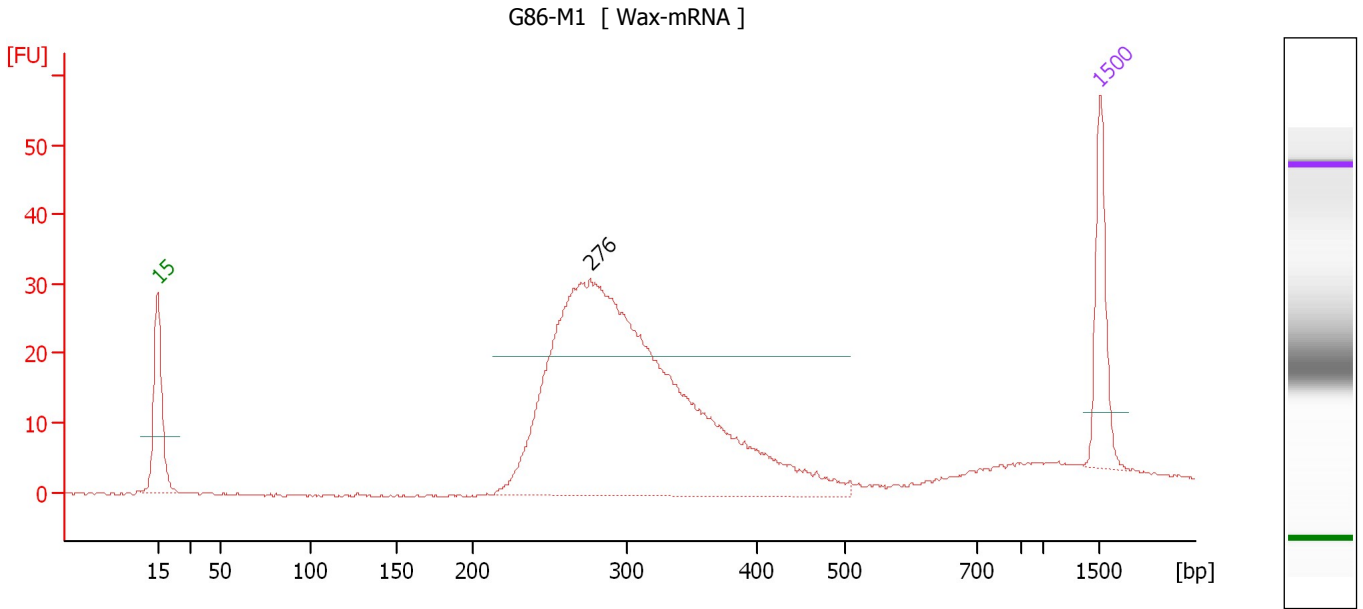
**Peak table for sample 8 : G85-M8**

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	276	22.52	123.6	
3	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000  
 Data Path: C:\...-12\2100 expert\_DNA 1000\_DE72901059\_2012-12-18\_11-45-21.xad

Created: 12/18/2012 11:45:21 AM  
 Modified: 12/20/2012 3:31:28 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 9 : G86-M1**

Number of peaks found: 1

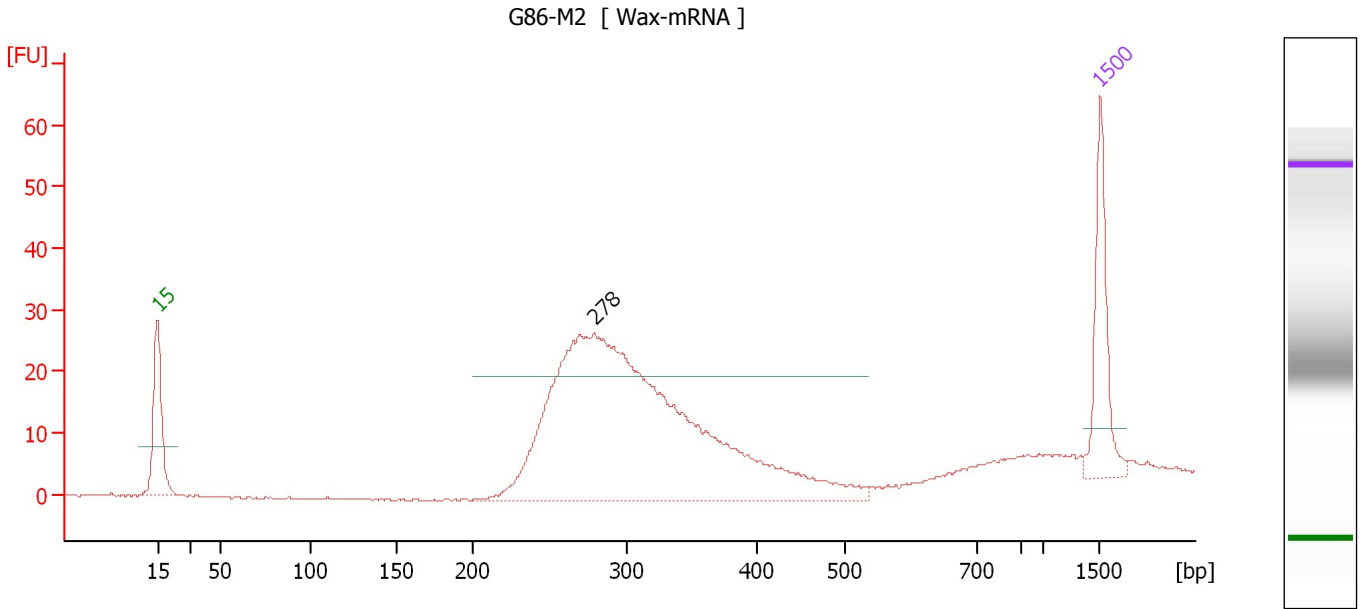
**Peak table for sample 9 : G86-M1**

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	276	25.37	139.3	
3	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000  
 Data Path: C:\...-12\2100 expert\_DNA 1000\_DE72901059\_2012-12-18\_11-45-21.xad

Created: 12/18/2012 11:45:21 AM  
 Modified: 12/20/2012 3:31:28 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 10 : G86-M2**

Number of peaks found: 1

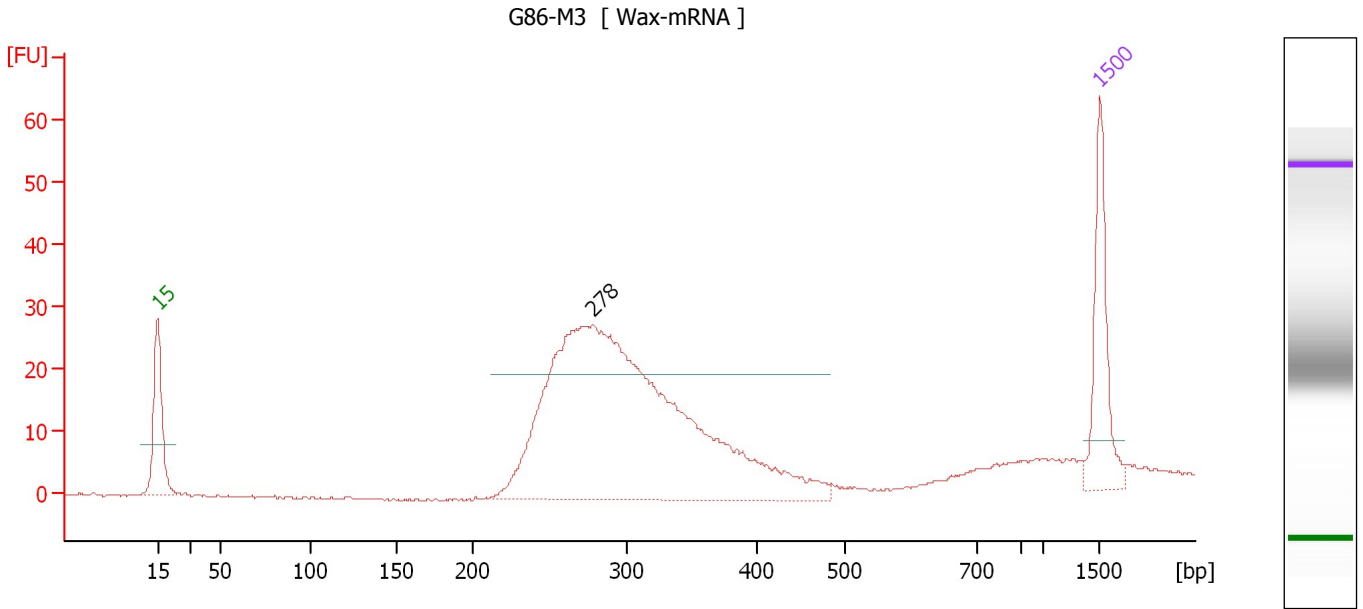
**Peak table for sample 10 : G86-M2**

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	278	18.43	100.3	
3	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000  
 Data Path: C:\...-12\2100 expert\_DNA 1000\_DE72901059\_2012-12-18\_11-45-21.xad

Created: 12/18/2012 11:45:21 AM  
 Modified: 12/20/2012 3:31:28 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 11 : G86-M3**

Number of peaks found: 1

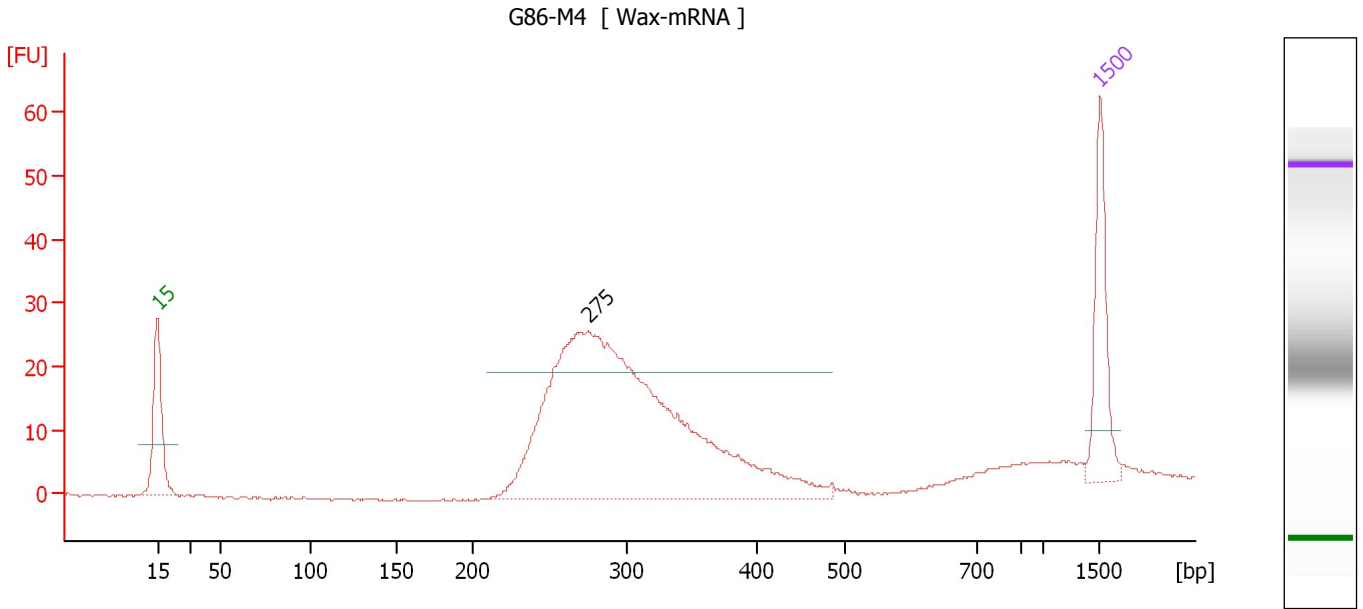
**Peak table for sample 11 : G86-M3**

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	278	17.34	94.5	
3	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000  
 Data Path: C:\...-12\2100 expert\_DNA 1000\_DE72901059\_2012-12-18\_11-45-21.xad

Created: 12/18/2012 11:45:21 AM  
 Modified: 12/20/2012 3:31:28 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 12 : G86-M4**

Number of peaks found: 1

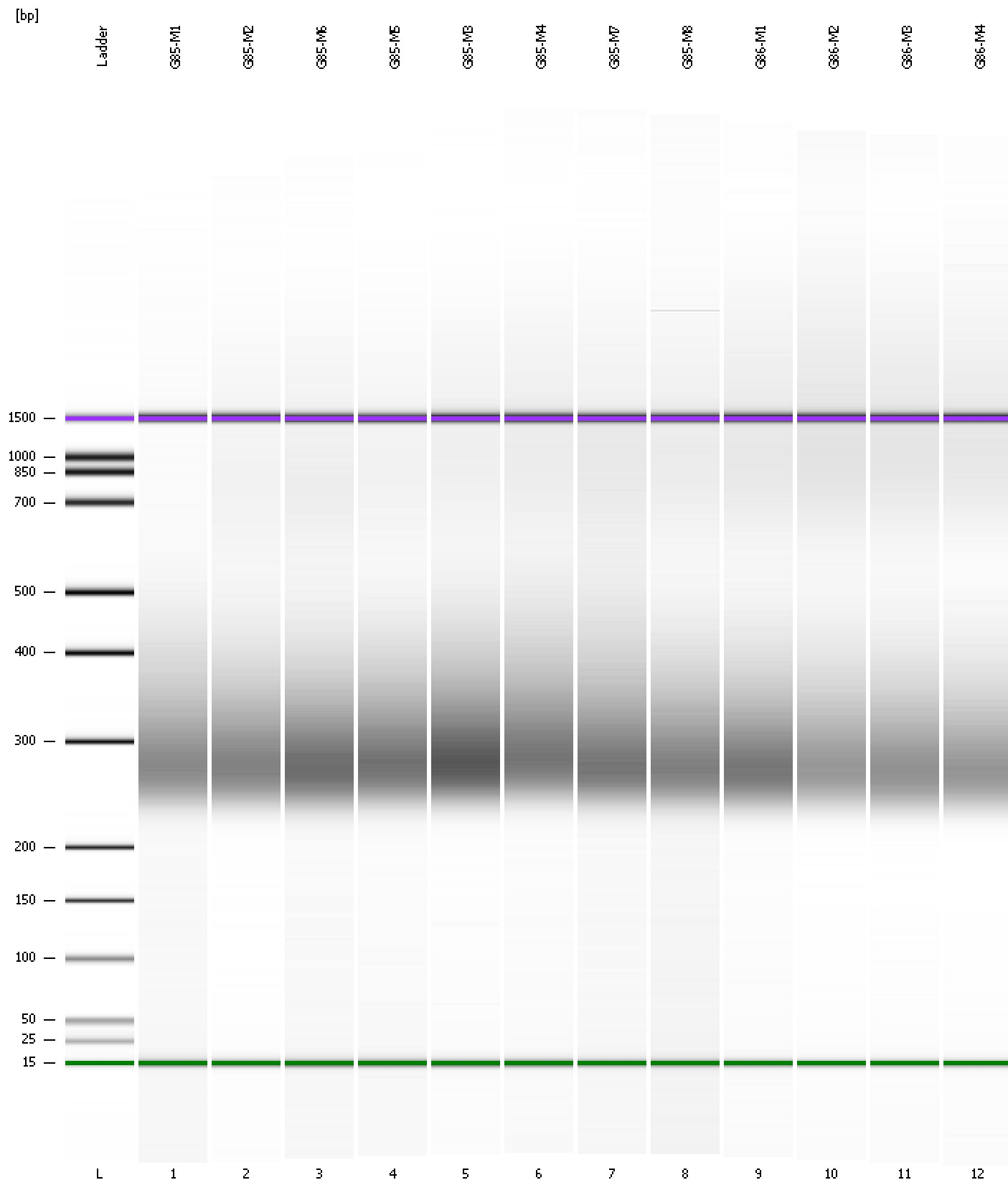
**Peak table for sample 12 : G86-M4**

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	275	17.49	96.4	
3	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000  
Data Path: C:\...-12\2100 expert\_DNA 1000\_DE72901059\_2012-12-18\_11-45-21.xad

Created: 12/18/2012 11:45:21 AM  
Modified: 12/20/2012 3:31:28 PM

**Gel Image**



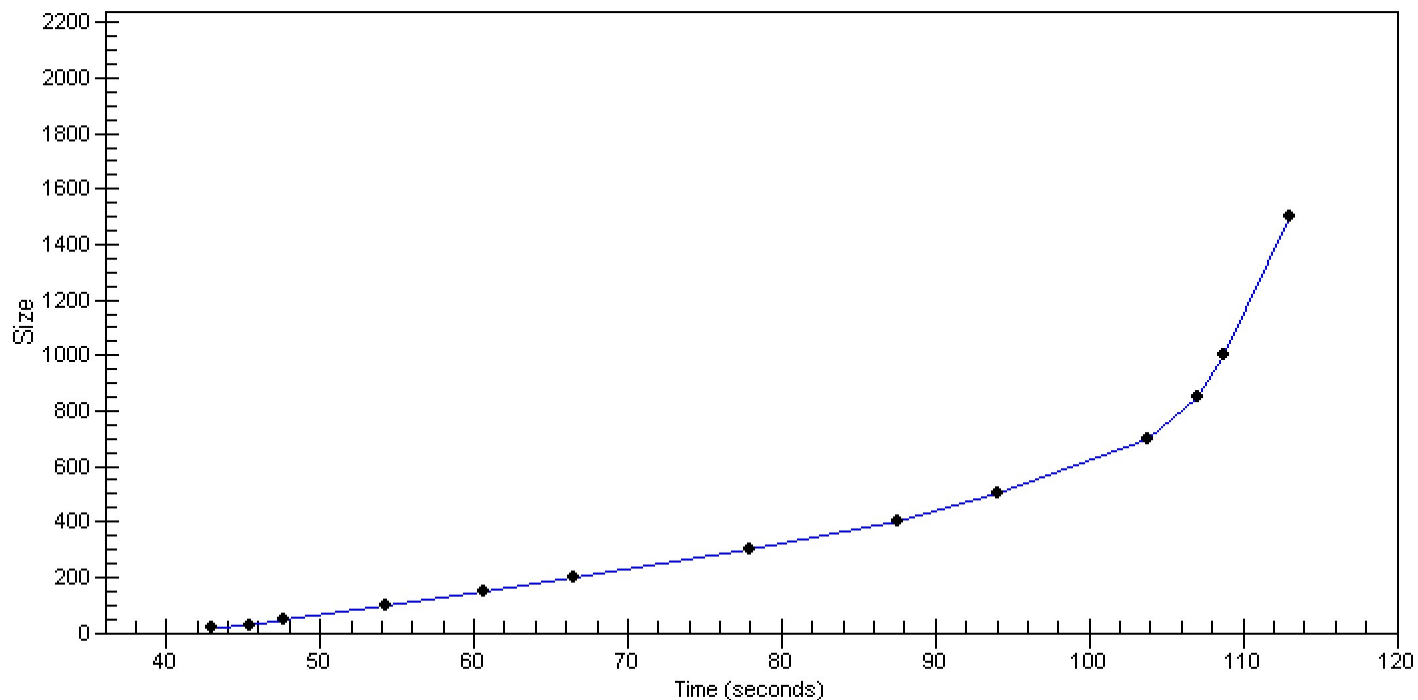


Assay Class: DNA 1000  
Data Path: C:\...-12\2100 expert\_DNA 1000\_DE72901059\_2012-12-18\_11-45-21.xad

Created: 12/18/2012 11:45:21 AM  
Modified: 12/20/2012 3:31:28 PM

**Curves**

**Standard Curve**



Assay Class: DNA 1000  
 Data Path: C:\...-12\2100 expert\_DNA 1000\_DE72901059\_2012-12-18\_11-45-21.xad

Created: 12/18/2012 11:45:21 AM  
 Modified: 12/20/2012 3:31:28 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		12/18/2012 12:27:10 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\2012-12-18\2100 expert_DNA 1000_DE72901059_2012-12-18_11-45-21.xad)		Instrument	Run		12/18/2012 11:45:26 AM	(GMT --05:00) Eastern Standard Time	admin	Datasystem01
Product Number : G2939A		Instrument	Run		12/18/2012 11:45:26 AM	(GMT --05:00) Eastern Standard Time	admin	Datasystem01
Name :		Instrument	Run		12/18/2012 11:45:26 AM	(GMT --05:00) Eastern Standard Time	admin	Datasystem01
Vendor : Agilent Technologies		Instrument	Run		12/18/2012 11:45:26 AM	(GMT --05:00) Eastern Standard Time	admin	Datasystem01
Serial# : DE72901059		Instrument	Run		12/18/2012 11:45:26 AM	(GMT --05:00) Eastern Standard Time	admin	Datasystem01
Firmware : C.01.069		Instrument	Run		12/18/2012 11:45:26 AM	(GMT --05:00) Eastern Standard Time	admin	Datasystem01
Cartridge : Electrode		Instrument	Run		12/18/2012 11:45:26 AM	(GMT --05:00) Eastern Standard Time	admin	Datasystem01