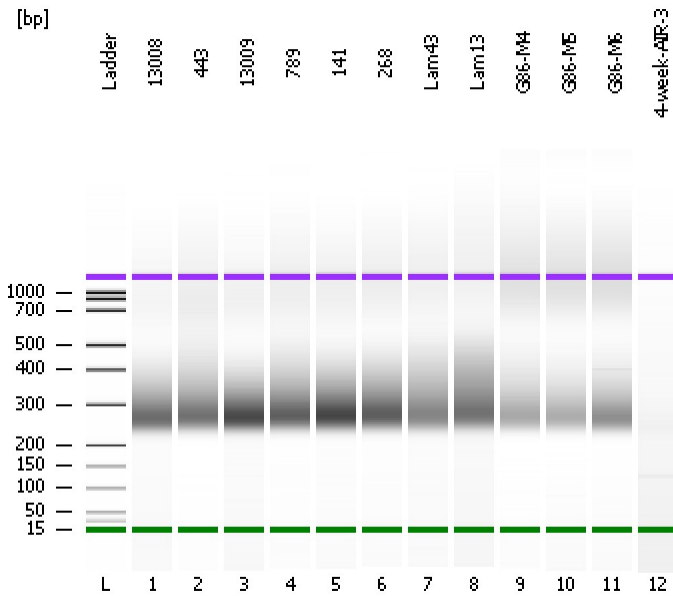


Assay Class: DNA 1000
 Data Path: C:\...-13\2100 expert_DNA 1000_DE72901059_2013-01-08_13-57-53.xad

Created: 1/8/2013 1:57:52 PM
 Modified: 1/9/2013 4:43:43 PM

Electrophoresis File Run Summary



Instrument Information:

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

Assay Information:

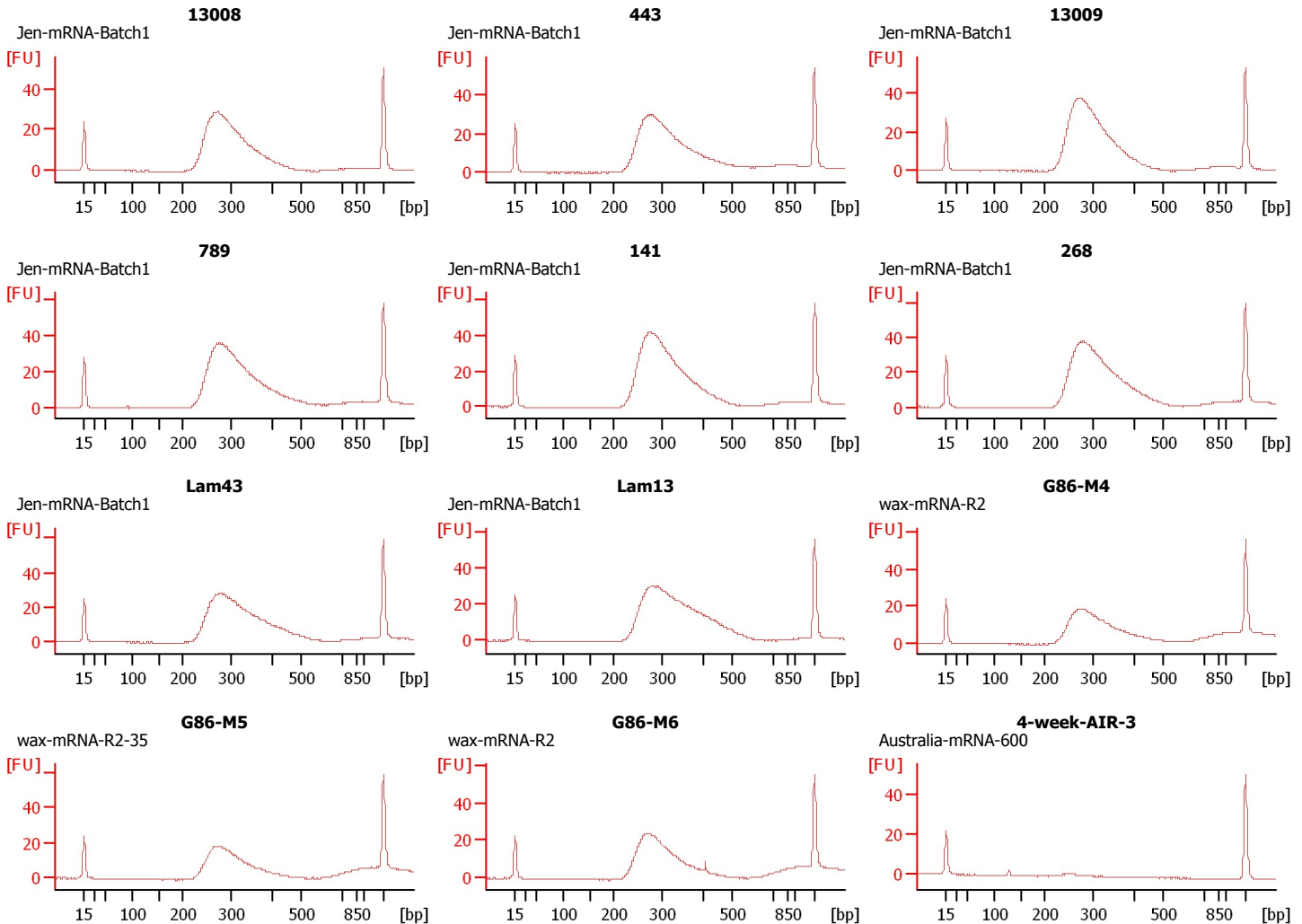
Assay Origin Path: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\assays\dsDNA\DNA 1000 Series II.xsy

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:\...-13\2100 expert_DNA 1000_DE72901059_2013-01-08_13-57-53.xad

Created: 1/8/2013 1:57:52 PM
 Modified: 1/9/2013 4:43:43 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
13008	Jen-mRNA-Batch1	<input type="checkbox"/>	✓			
443	Jen-mRNA-Batch1	<input type="checkbox"/>	✓			
13009	Jen-mRNA-Batch1	<input type="checkbox"/>	✓			
789	Jen-mRNA-Batch1	<input type="checkbox"/>	✓			
141	Jen-mRNA-Batch1	<input type="checkbox"/>	✓			
268	Jen-mRNA-Batch1	<input type="checkbox"/>	✓			
Lam43	Jen-mRNA-Batch1	<input type="checkbox"/>	✓			
Lam13	Jen-mRNA-Batch1	<input type="checkbox"/>	✓			
G86-M4	wax-mRNA-R2	<input type="checkbox"/>	✓			
G86-M5	wax-mRNA-R2-35	<input type="checkbox"/>	✓			
G86-M6	wax-mRNA-R2	<input type="checkbox"/>	✓			
4-week-AIR-3	Australia-mRNA-600	<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: DNA 1000
Data Path: C:\...-13\2100 expert_DNA 1000_DE72901059_2013-01-08_13-57-53.xad

Created: 1/8/2013 1:57:52 PM
Modified: 1/9/2013 4:43:43 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

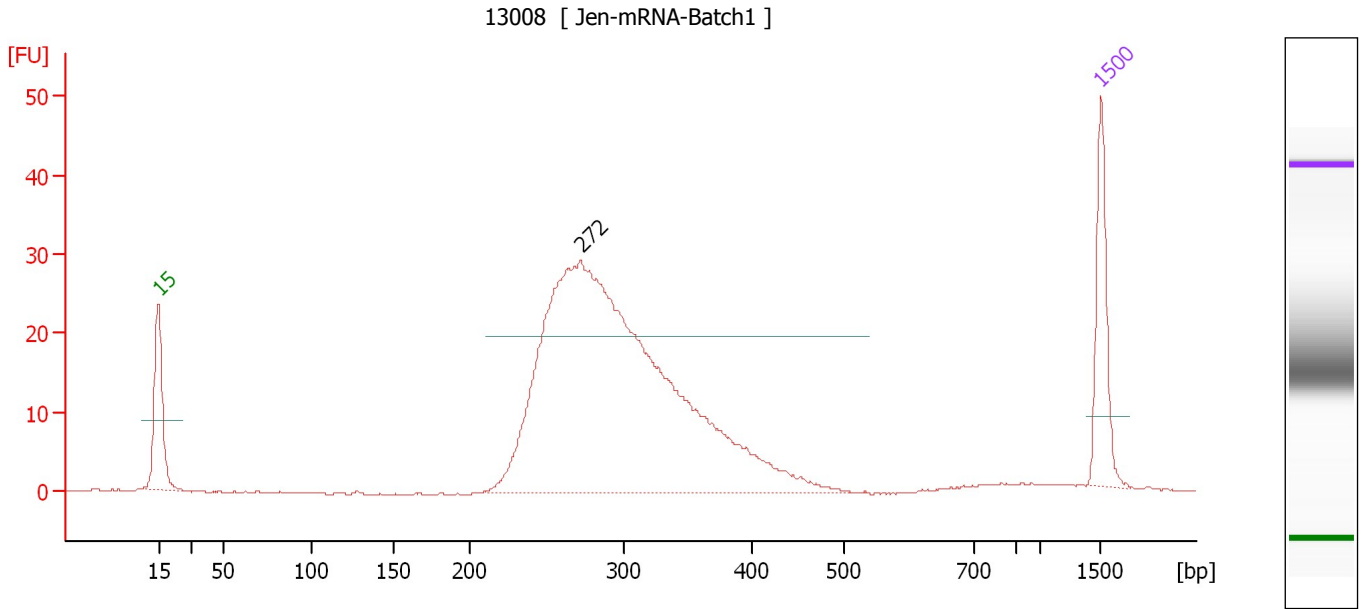
Ladder

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:\...-13\2100 expert_DNA 1000_DE72901059_2013-01-08_13-57-53.xad

Created: 1/8/2013 1:57:52 PM
Modified: 1/9/2013 4:43:43 PM

Electropherogram Summary



Overall Results for sample 1 : 13008

Number of peaks found: 1

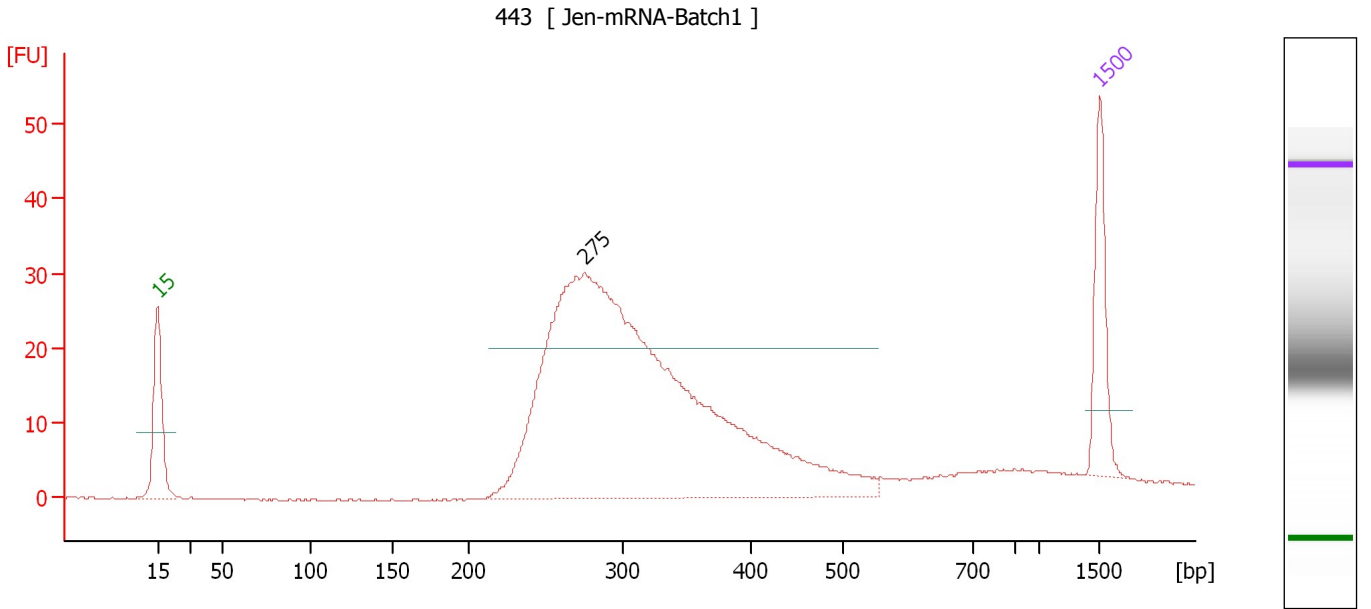
Peak table for sample 1 : 13008

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	272	25.56	142.3	
3	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000
 Data Path: C:\...-13\2100 expert_DNA 1000_DE72901059_2013-01-08_13-57-53.xad

Created: 1/8/2013 1:57:52 PM
 Modified: 1/9/2013 4:43:43 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : 443

Number of peaks found: 1

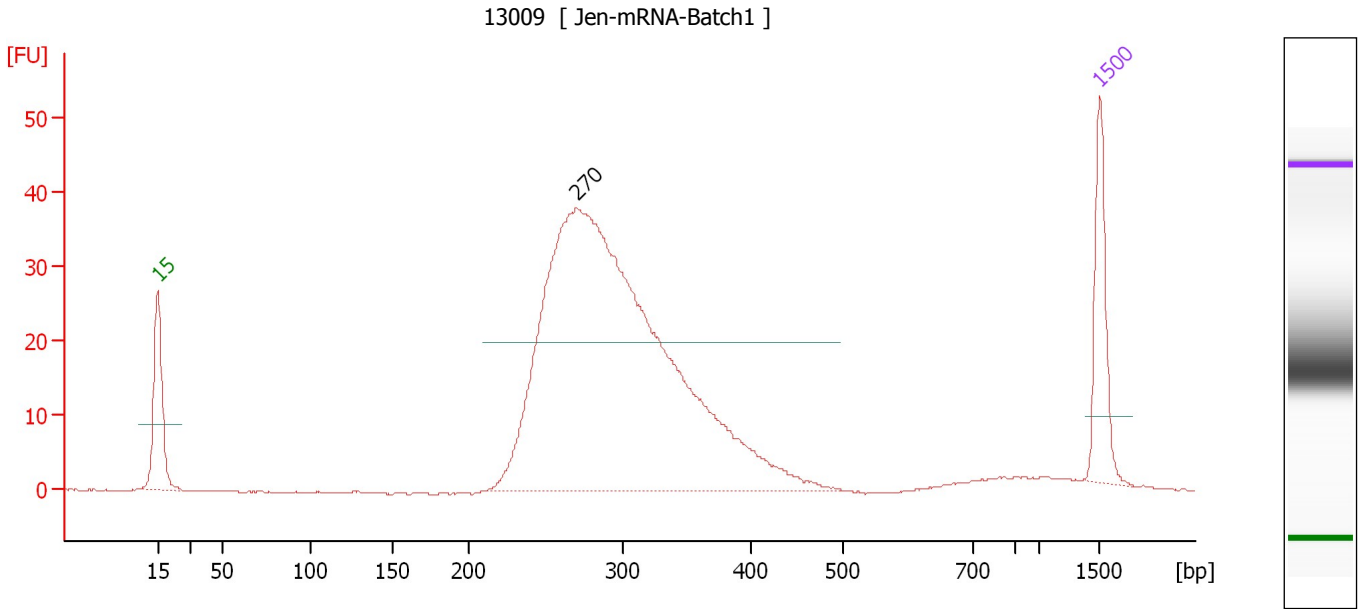
Peak table for sample 2 : 443

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	275	27.95	153.8	
3	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000
 Data Path: C:\...-13\2100 expert_DNA 1000_DE72901059_2013-01-08_13-57-53.xad

Created: 1/8/2013 1:57:52 PM
 Modified: 1/9/2013 4:43:43 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : 13009

Number of peaks found: 1

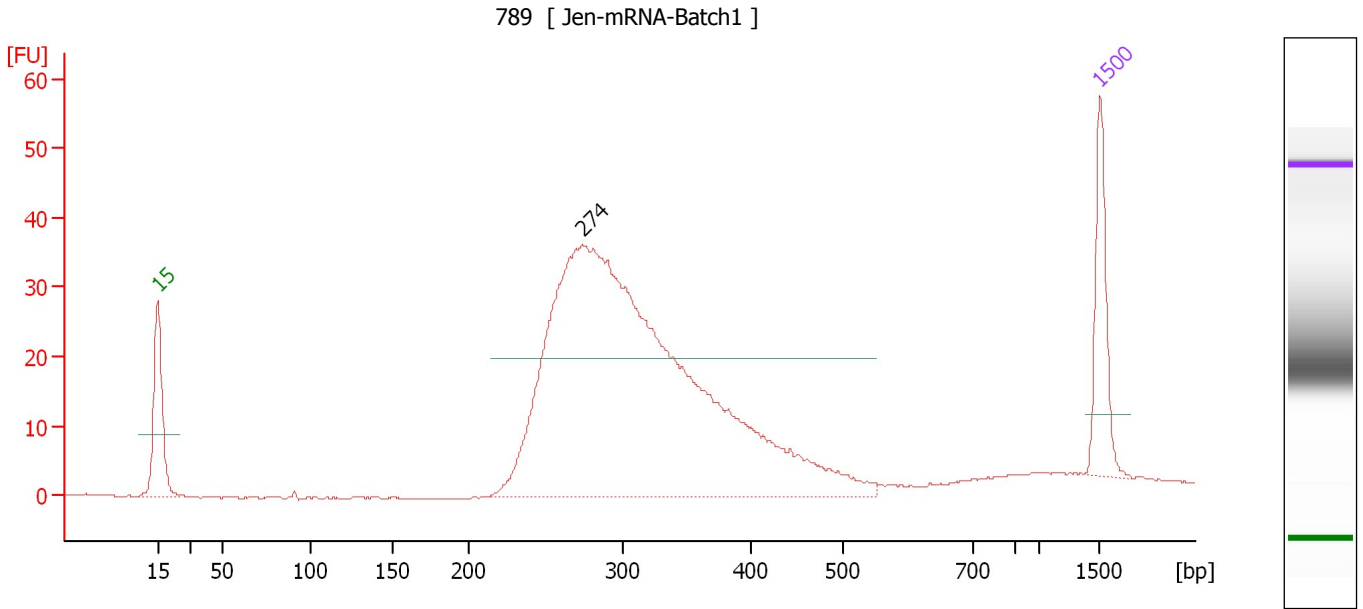
Peak table for sample 3 : 13009

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	270	28.52	160.2	
3	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000
 Data Path: C:\...-13\2100 expert_DNA 1000_DE72901059_2013-01-08_13-57-53.xad

Created: 1/8/2013 1:57:52 PM
 Modified: 1/9/2013 4:43:43 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : 789

Number of peaks found: 1

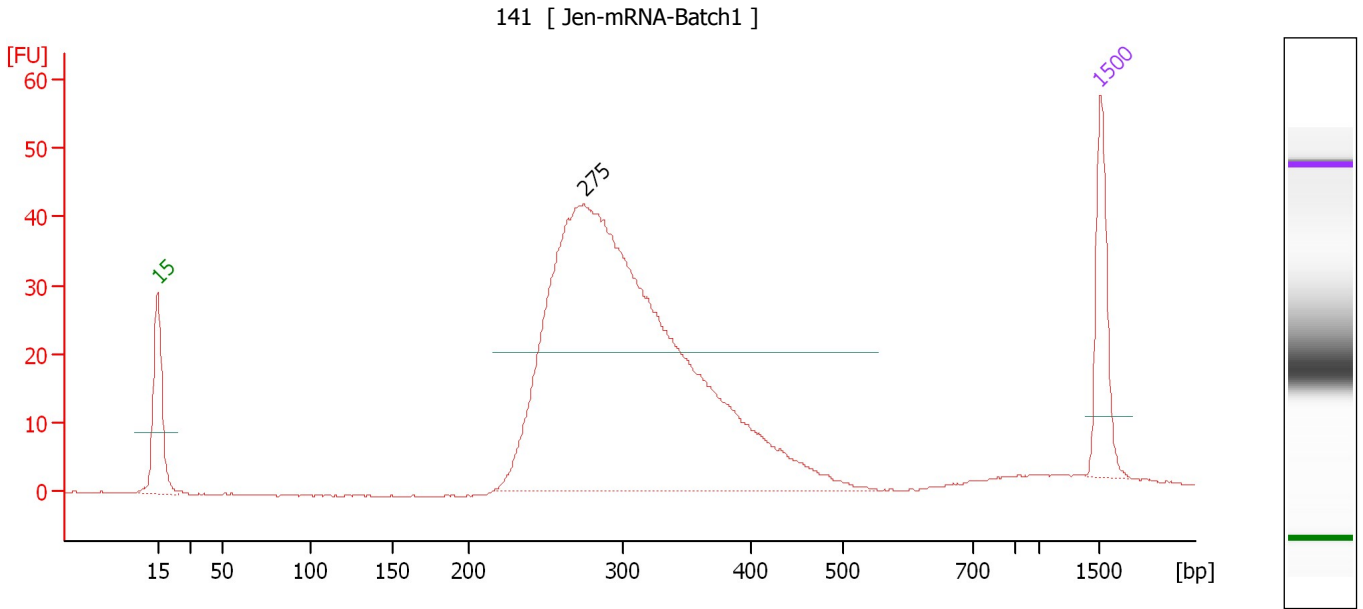
Peak table for sample 4 : 789

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	274	30.22	167.4	
3	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000
 Data Path: C:\...-13\2100 expert_DNA 1000_DE72901059_2013-01-08_13-57-53.xad

Created: 1/8/2013 1:57:52 PM
 Modified: 1/9/2013 4:43:43 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : 141

Number of peaks found: 1

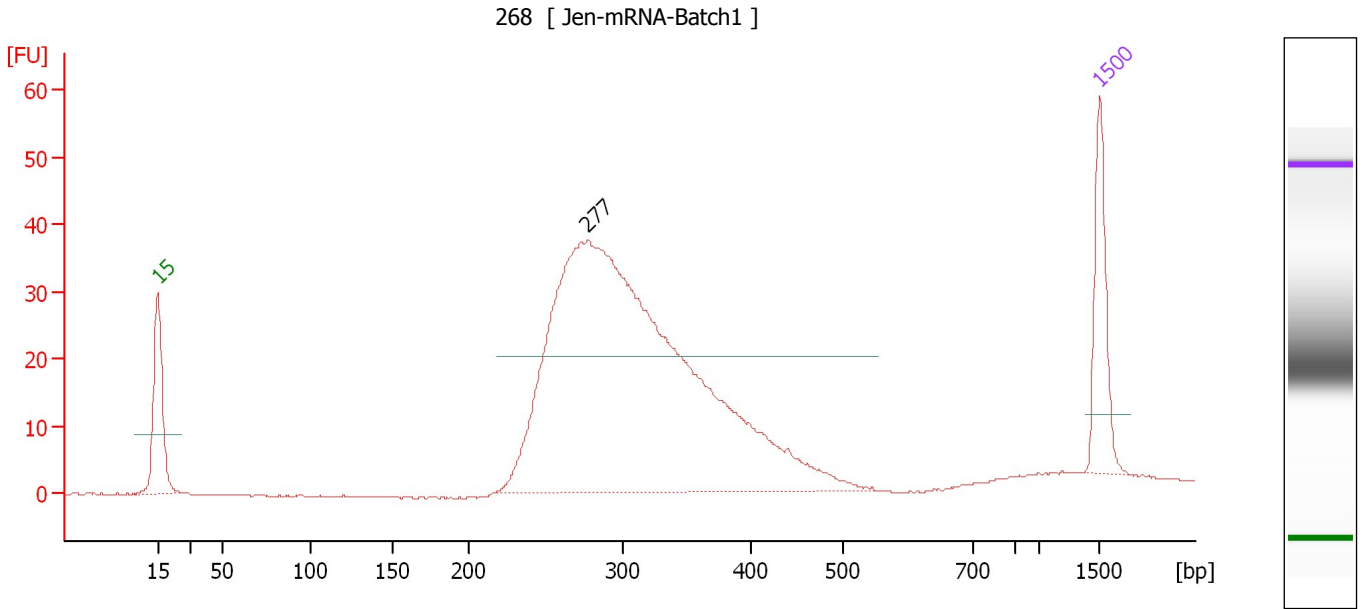
Peak table for sample 5 : 141

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	275	30.48	168.1	
3	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000
 Data Path: C:\...-13\2100 expert_DNA 1000_DE72901059_2013-01-08_13-57-53.xad

Created: 1/8/2013 1:57:52 PM
 Modified: 1/9/2013 4:43:43 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : 268

Number of peaks found: 1

Peak table for sample 6 : 268

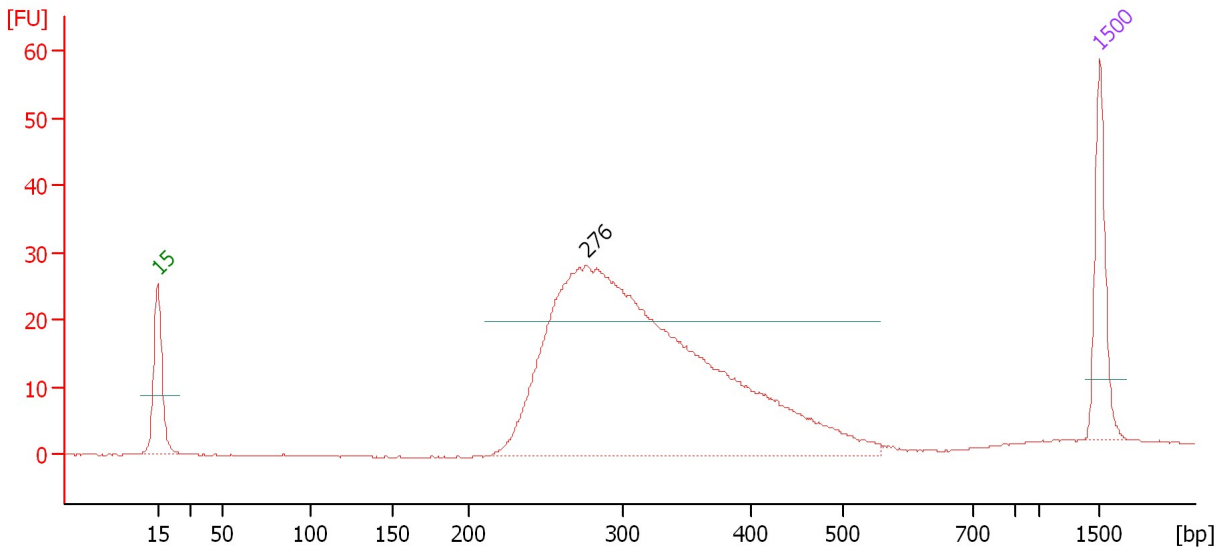
Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	277	28.02	153.5	
3	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000
 Data Path: C:\...-13\2100 expert_DNA 1000_DE72901059_2013-01-08_13-57-53.xad

Created: 1/8/2013 1:57:52 PM
 Modified: 1/9/2013 4:43:43 PM

Electropherogram Summary Continued ...

Lam43 [Jen-mRNA-Batch1]



Overall Results for sample 7 : Lam43

Number of peaks found: 1

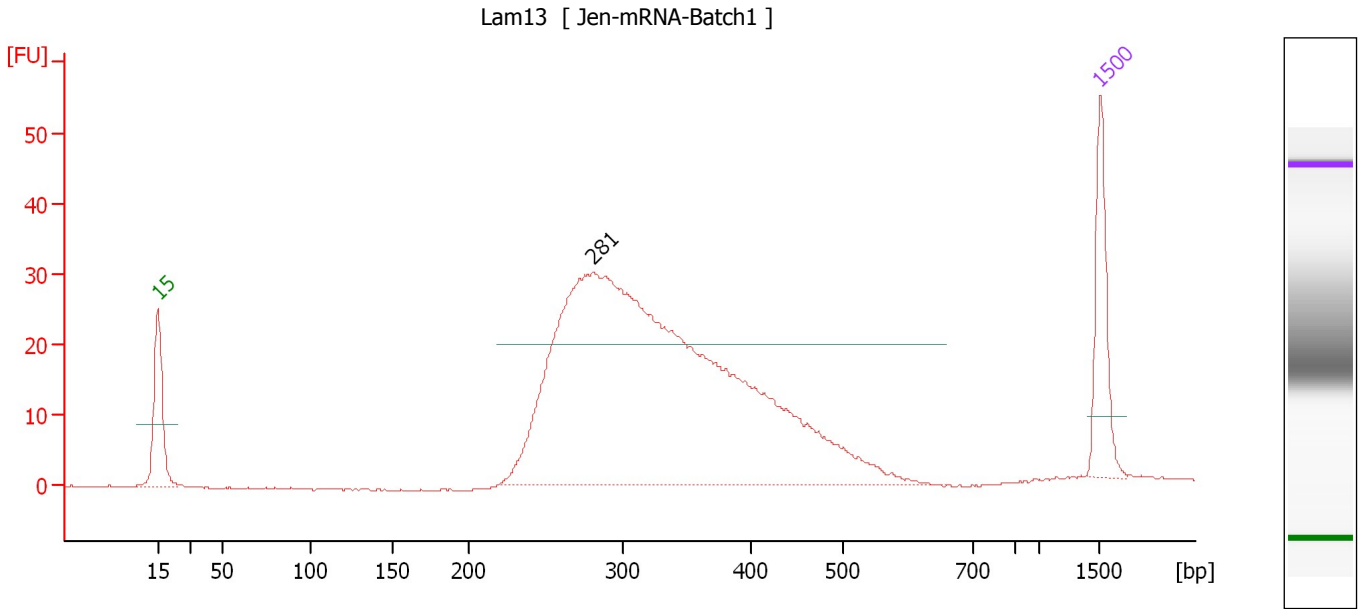
Peak table for sample 7 : Lam43

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	276	26.70	146.3	
3	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000
 Data Path: C:\...-13\2100 expert_DNA 1000_DE72901059_2013-01-08_13-57-53.xad

Created: 1/8/2013 1:57:52 PM
 Modified: 1/9/2013 4:43:43 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : Lam13

Number of peaks found: 1

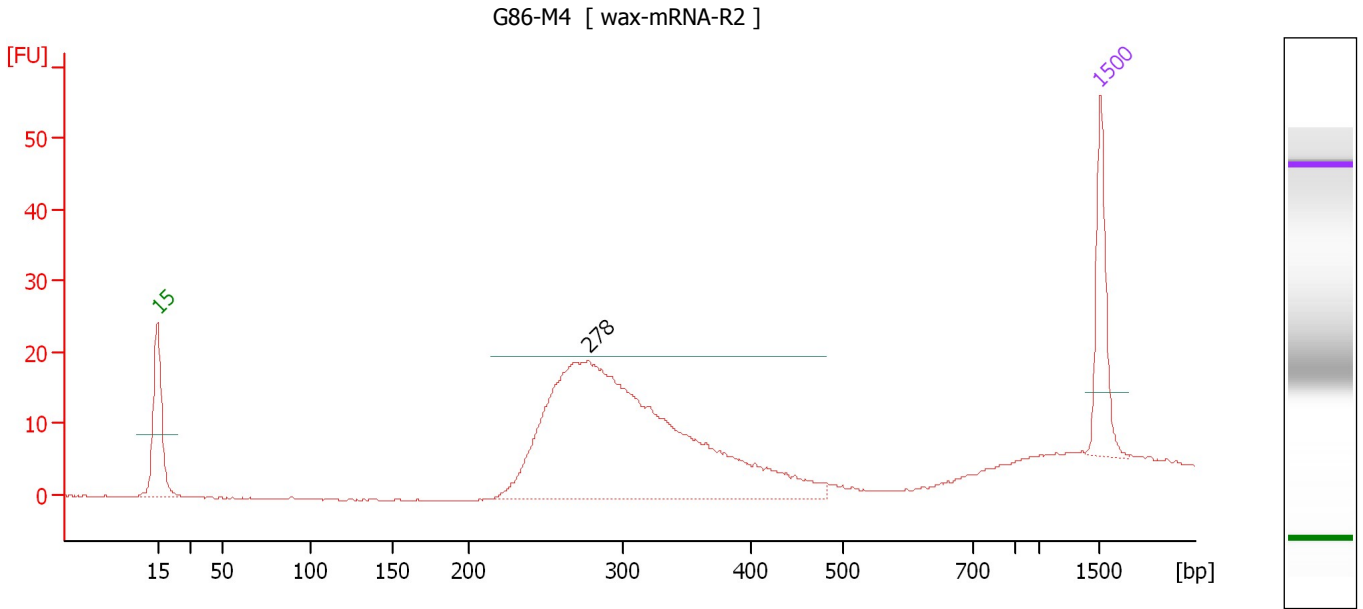
Peak table for sample 8 : Lam13

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	281	30.14	162.5	
3	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000
 Data Path: C:\...-13\2100 expert_DNA 1000_DE72901059_2013-01-08_13-57-53.xad

Created: 1/8/2013 1:57:52 PM
 Modified: 1/9/2013 4:43:43 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : G86-M4

Number of peaks found: 1

Peak table for sample 9 : G86-M4

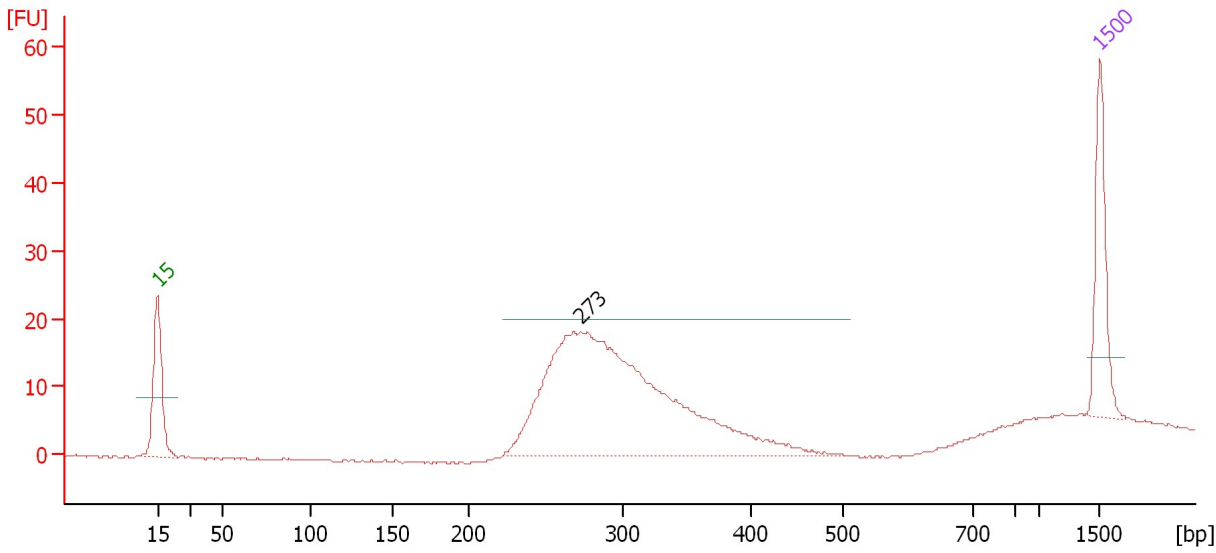
Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	278	18.39	100.2	
3	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000
 Data Path: C:\...-13\2100 expert_DNA 1000_DE72901059_2013-01-08_13-57-53.xad

Created: 1/8/2013 1:57:52 PM
 Modified: 1/9/2013 4:43:43 PM

Electropherogram Summary Continued ...

G86-M5 [wax-mRNA-R2-35]



Overall Results for sample 10 : G86-M5

Number of peaks found: 1

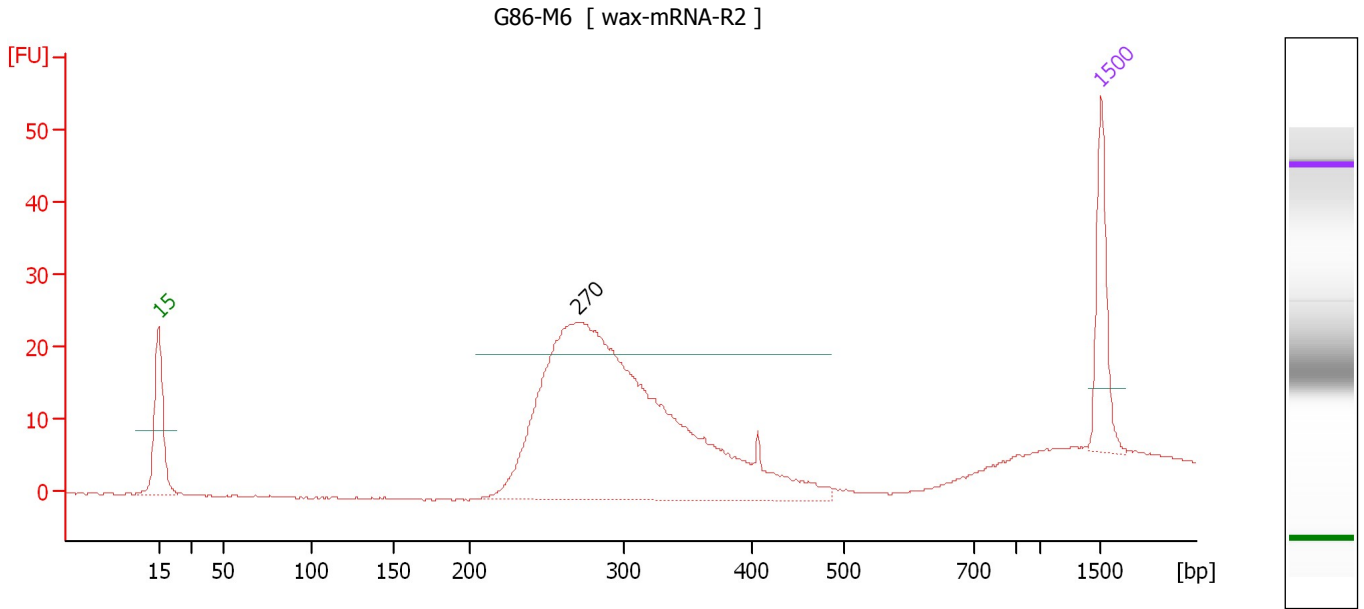
Peak table for sample 10 : G86-M5

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	273	14.47	80.4	
3	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000
 Data Path: C:\...-13\2100 expert_DNA 1000_DE72901059_2013-01-08_13-57-53.xad

Created: 1/8/2013 1:57:52 PM
 Modified: 1/9/2013 4:43:43 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : G86-M6

Number of peaks found: 1

Peak table for sample 11 : G86-M6

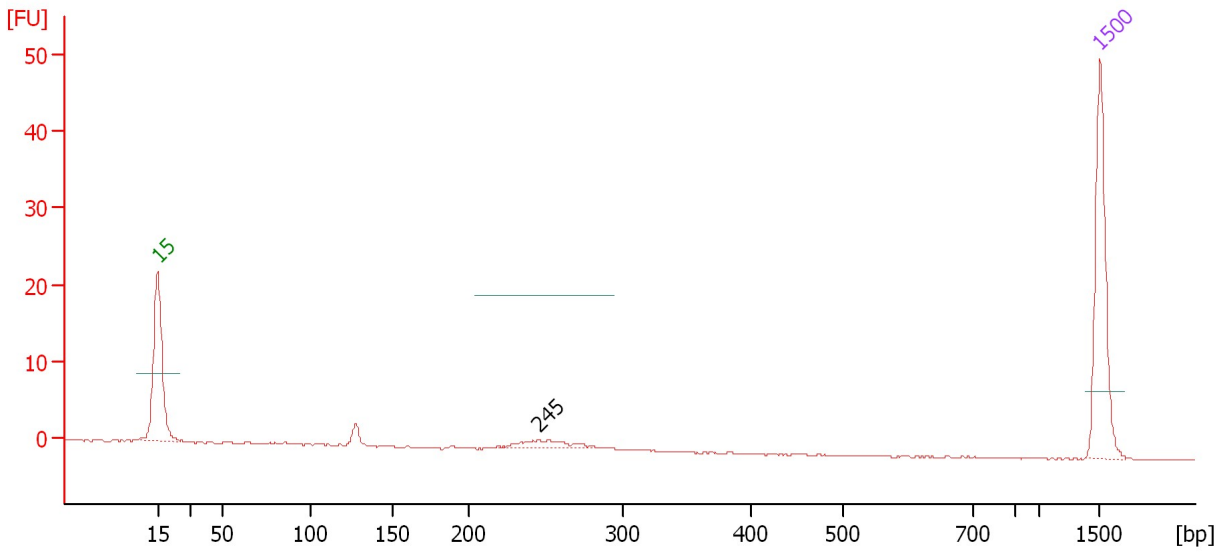
Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	270	22.59	126.6	
3	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000
 Data Path: C:\...-13\2100 expert_DNA 1000_DE72901059_2013-01-08_13-57-53.xad

Created: 1/8/2013 1:57:52 PM
 Modified: 1/9/2013 4:43:43 PM

Electropherogram Summary Continued ...

4-week-AIR-3 [Australia-mRNA-600]



Overall Results for sample 12 : 4-week-AIR-3

Number of peaks found: 1

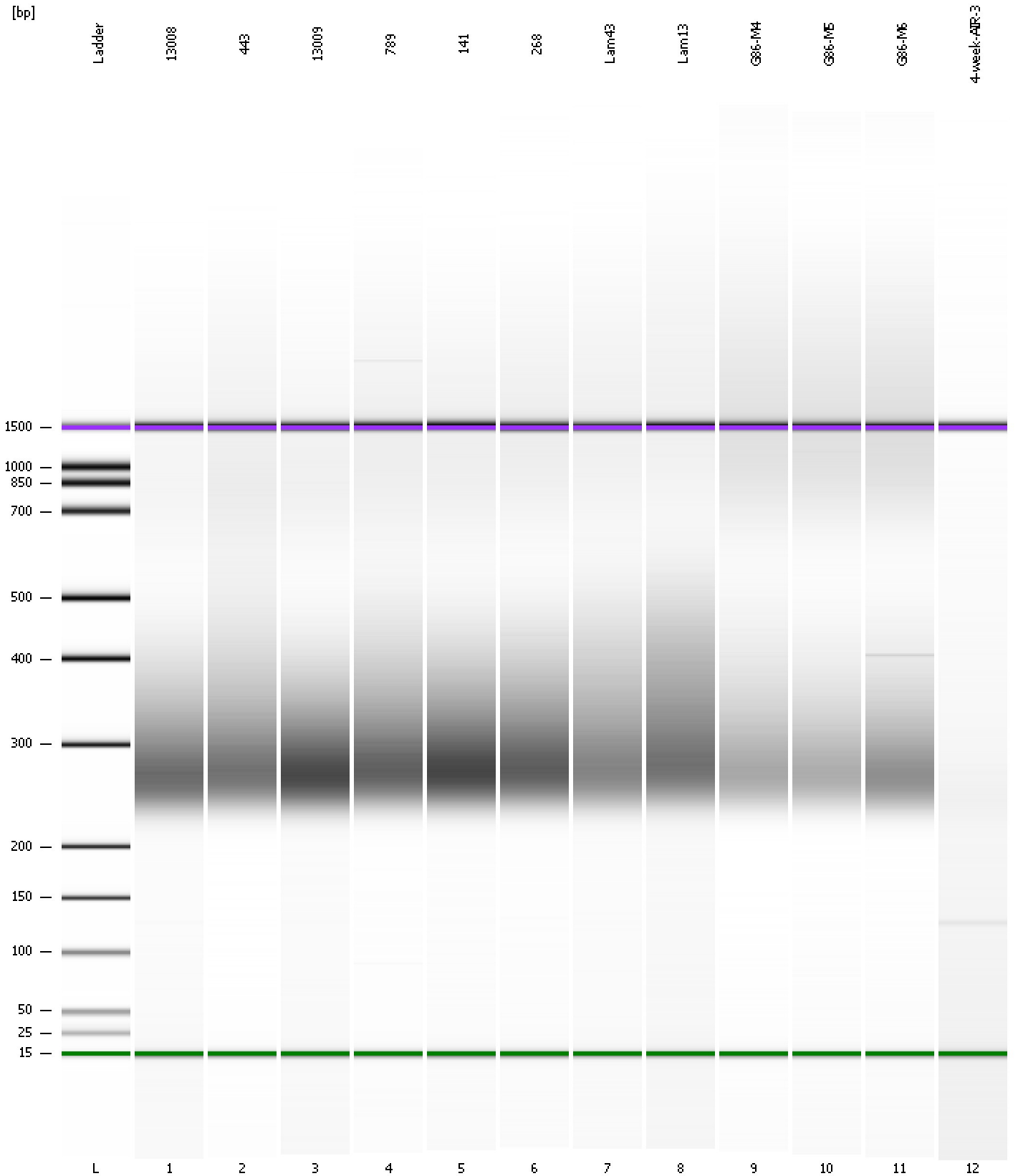
Peak table for sample 12 : 4-week-AIR-3

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	245	0.43	2.6	
3	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000
Data Path: C:\...-13\2100 expert_DNA 1000_DE72901059_2013-01-08_13-57-53.xad

Created: 1/8/2013 1:57:52 PM
Modified: 1/9/2013 4:43:43 PM

Gel Image

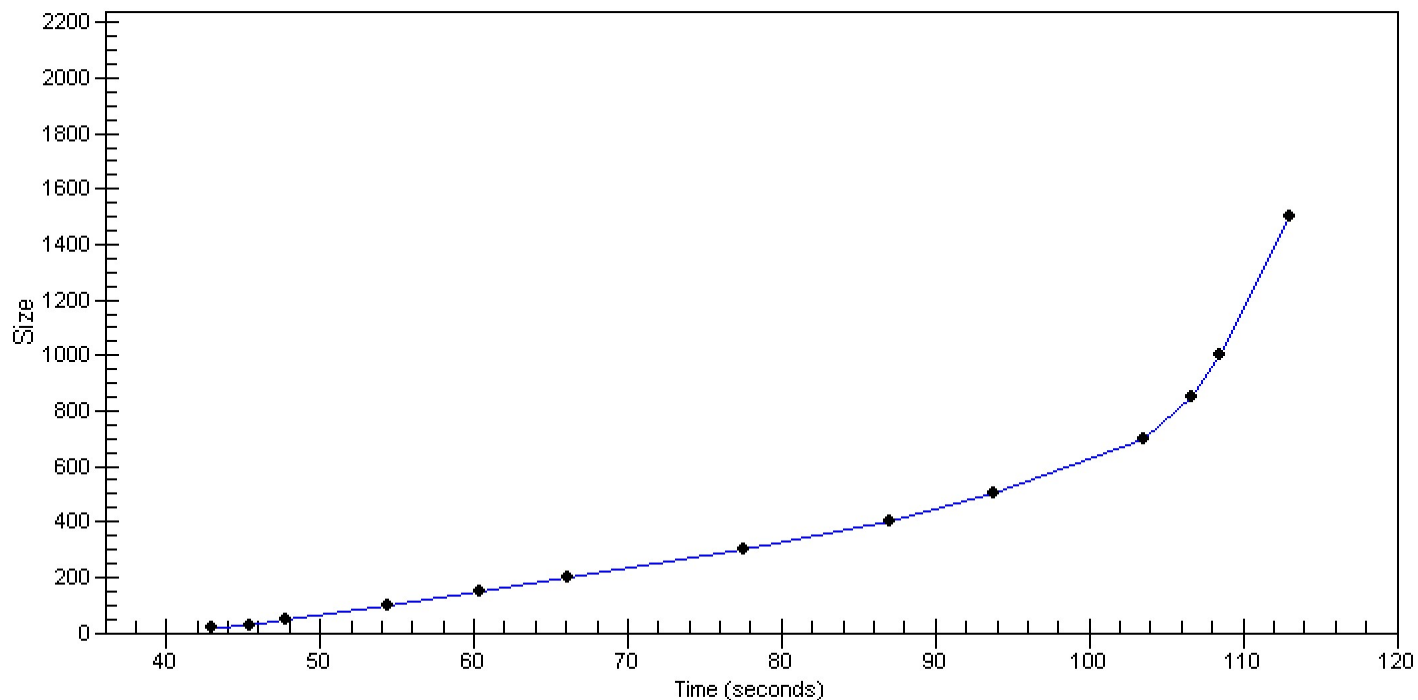


Assay Class: DNA 1000
Data Path: C:\...-13\2100 expert_DNA 1000_DE72901059_2013-01-08_13-57-53.xad

Created: 1/8/2013 1:57:52 PM
Modified: 1/9/2013 4:43:43 PM

Curves

Standard Curve



Assay Class: DNA 1000 Created: 1/8/2013 1:57:52 PM
 Data Path: C:\...-13\2100 expert_DNA 1000_DE72901059_2013-01-08_13-57-53.xad Modified: 1/9/2013 4:43:43 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		1/8/2013 2:38:47 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\2013-01-08\2100 expert_DNA 1000_DE72901059_2013-01-08_13-57-53.xad)		Instrument	Run		1/8/2013 1:57:57 PM	(GMT --05:00) Eastern Standard Time	admin	Datasystem01
Product Number : G2939A		Instrument	Run		1/8/2013 1:57:57 PM	(GMT --05:00) Eastern Standard Time	admin	Datasystem01
Name :		Instrument	Run		1/8/2013 1:57:57 PM	(GMT --05:00) Eastern Standard Time	admin	Datasystem01
Vendor : Agilent Technologies		Instrument	Run		1/8/2013 1:57:57 PM	(GMT --05:00) Eastern Standard Time	admin	Datasystem01
Serial# : DE72901059		Instrument	Run		1/8/2013 1:57:57 PM	(GMT --05:00) Eastern Standard Time	admin	Datasystem01
Firmware : C.01.069		Instrument	Run		1/8/2013 1:57:57 PM	(GMT --05:00) Eastern Standard Time	admin	Datasystem01
Cartridge : Electrode		Instrument	Run		1/8/2013 1:57:57 PM	(GMT --05:00) Eastern Standard Time	admin	Datasystem01