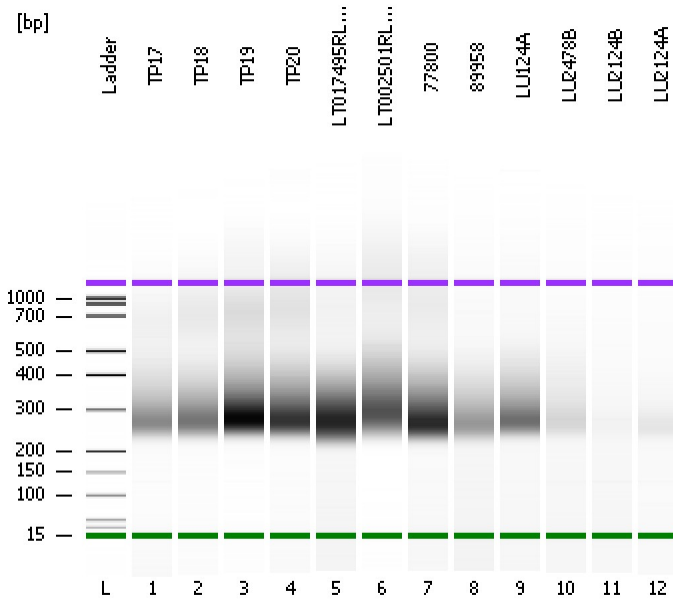


Assay Class: DNA 1000
 Data Path: C:\...zer\2100 expert_DNA 1000_DE72901059_2012-09-12_13-01-11.xad

Created: 9/12/2012 1:01:11 PM
 Modified: 9/17/2012 4:33:49 PM

Electrophoresis File Run Summary

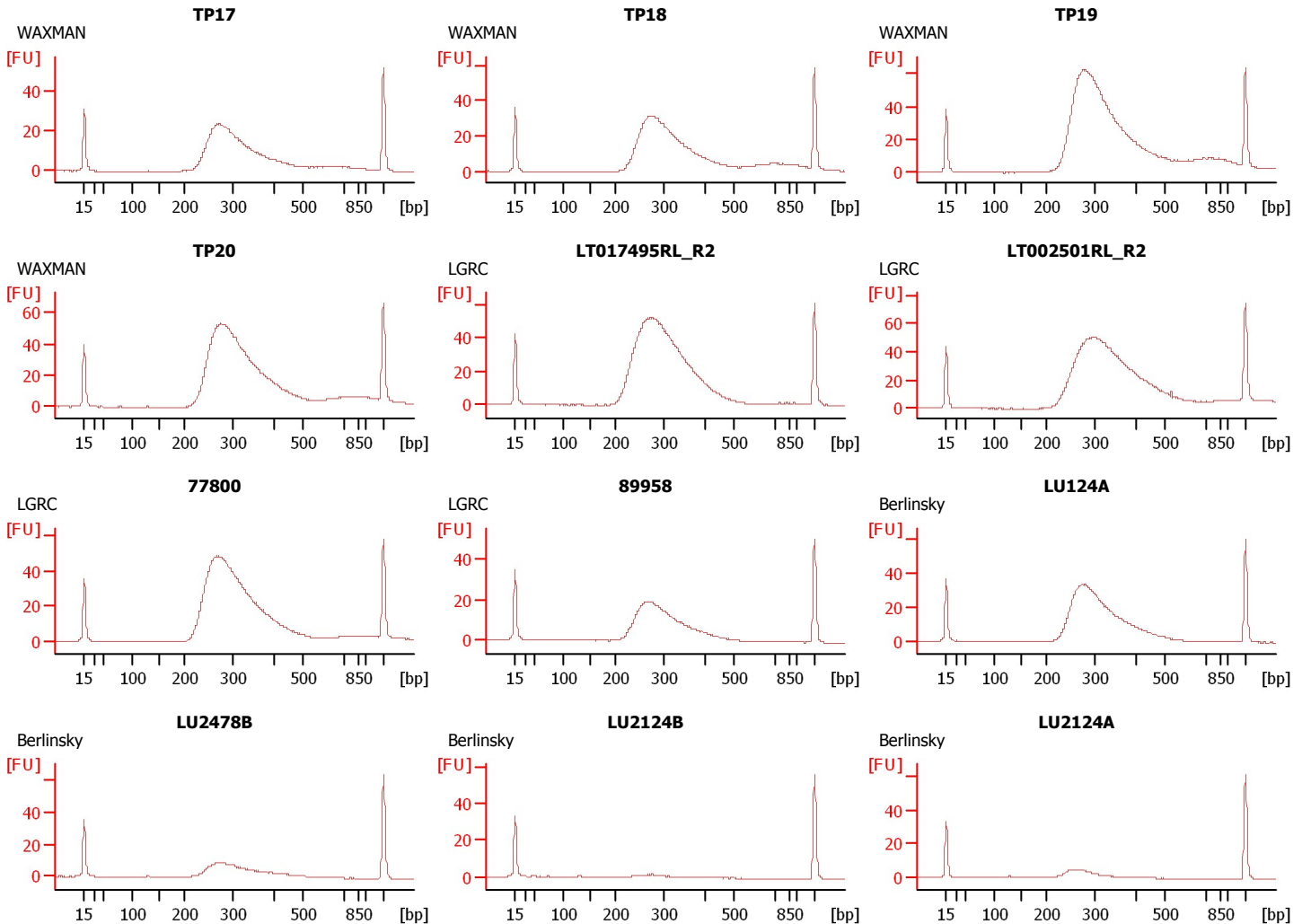


Instrument Information:
 Instrument Name: DE72901059 Firmware: C.01.069
 Serial#: DE72901059 Type: G2939A

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

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

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Assay Class: DNA 1000
Data Path: C:\...zer\2100 expert_DNA 1000_DE72901059_2012-09-12_13-01-11.xad

Created: 9/12/2012 1:01:11 PM
Modified: 9/17/2012 4:33:49 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Sta tus	Observation	Result Label	Result Color
TP17	WAXMAN	<input type="checkbox"/>	✓			
TP18	WAXMAN	<input type="checkbox"/>	✓			
TP19	WAXMAN	<input type="checkbox"/>	✓			
TP20	WAXMAN	<input type="checkbox"/>	✓			
LT017495RL_R2	LGRC	<input type="checkbox"/>	✓			
LT002501RL_R2	LGRC	<input type="checkbox"/>	✓			
77800	LGRC	<input type="checkbox"/>	✓			
89958	LGRC	<input type="checkbox"/>	✓			
LU124A	Berlinsky	<input type="checkbox"/>	✓			
LU2478B	Berlinsky	<input type="checkbox"/>	✓			
LU2124B	Berlinsky	<input type="checkbox"/>	✓			
LU2124A	Berlinsky	<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

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

Assay Class: DNA 1000
Data Path: C:\...zer\2100 expert_DNA 1000_DE72901059_2012-09-12_13-01-11.xad

Created: 9/12/2012 1:01:11 PM
Modified: 9/17/2012 4:33:49 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] : 30
Area Threshold : 0.1
Width Threshold [s] : 0.5
Baseline Plateau [s] : 0.5

Filter Settings

Filter Width [s] : 0.5
Polynomial Order : 4

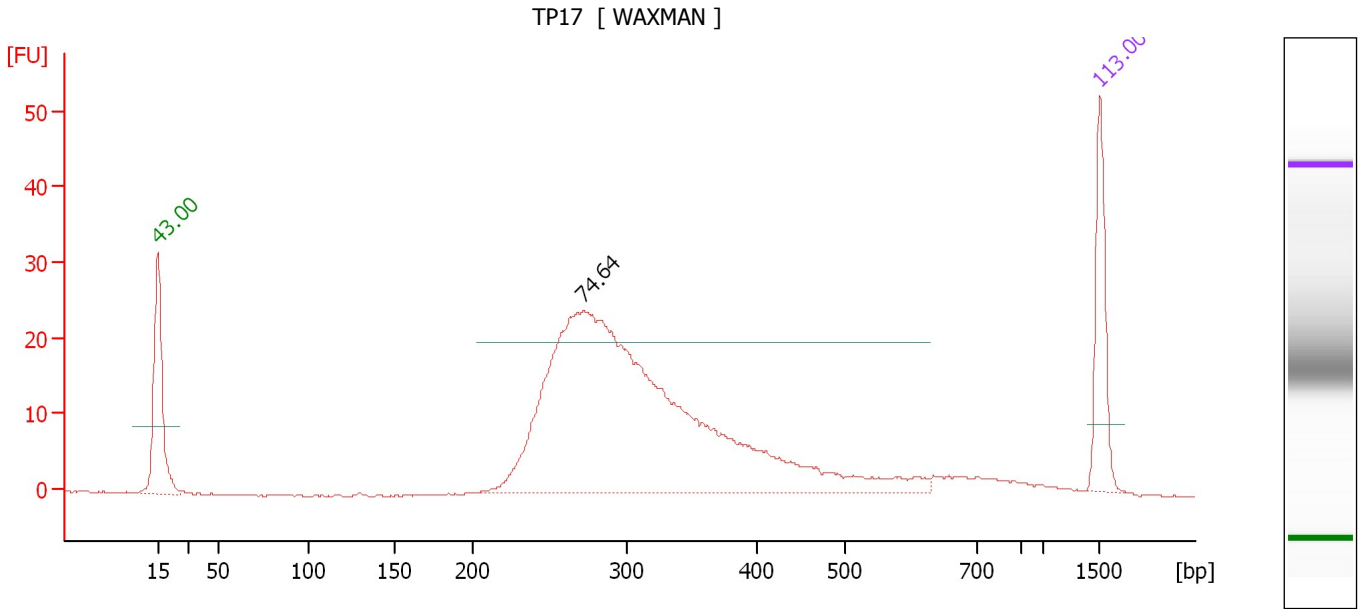
Ladder

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:\...zer\2100 expert_DNA 1000_DE72901059_2012-09-12_13-01-11.xad

Created: 9/12/2012 1:01:11 PM
 Modified: 9/17/2012 4:33:49 PM

Electropherogram Summary



Setpoint Deviations for sample 1 : TP17

Height Threshold [FU] : 20

Overall Results for sample 1 : TP17

Number of peaks found: 1

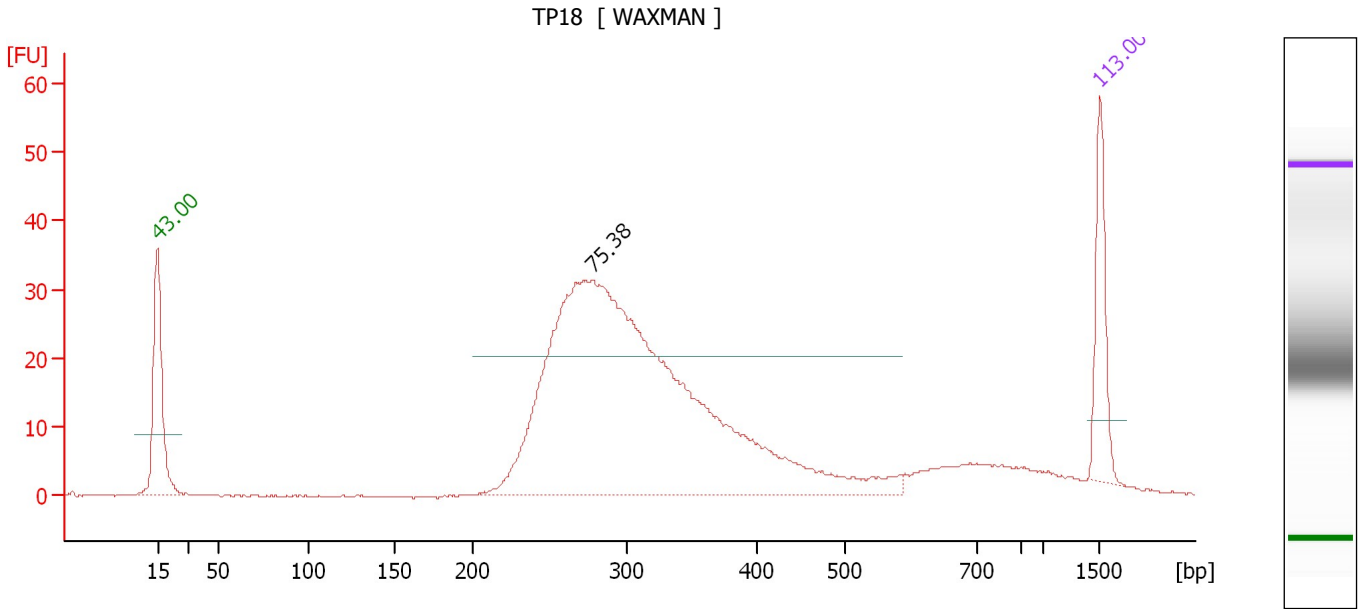
Peak table for sample 1 : TP17

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	272	23.06	128.4	
3	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000
 Data Path: C:\...zer\2100 expert_DNA 1000_DE72901059_2012-09-12_13-01-11.xad

Created: 9/12/2012 1:01:11 PM
 Modified: 9/17/2012 4:33:49 PM

Electropherogram Summary Continued ...



Setpoint Deviations for sample 2 : TP18

Height Threshold [FU] : 20

Overall Results for sample 2 : TP18

Number of peaks found: 1

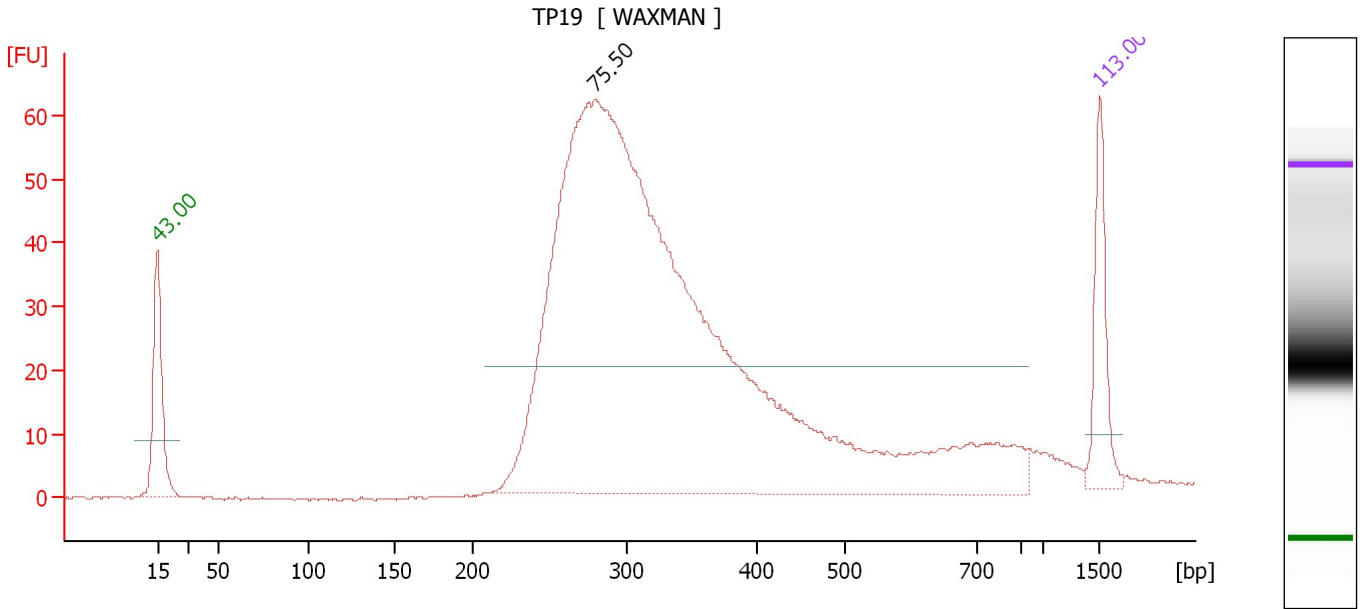
Peak table for sample 2 : TP18

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	279	28.26	153.7	
3	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000
 Data Path: C:\...zer\2100 expert_DNA 1000_DE72901059_2012-09-12_13-01-11.xad

Created: 9/12/2012 1:01:11 PM
 Modified: 9/17/2012 4:33:49 PM

Electropherogram Summary Continued ...



Setpoint Deviations for sample 3 : TP19

Height Threshold [FU] : 20

Overall Results for sample 3 : TP19

Number of peaks found: 1

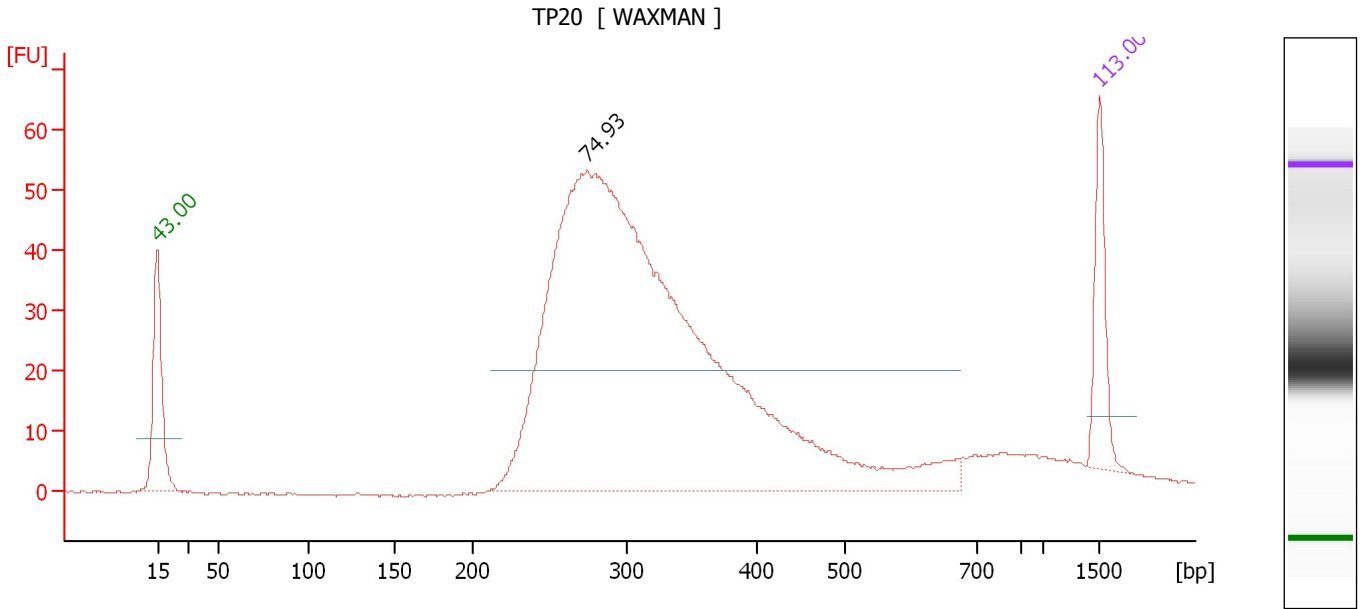
Peak table for sample 3 : TP19

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	280	49.37	267.5	
3	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000
 Data Path: C:\...zer\2100 expert_DNA 1000_DE72901059_2012-09-12_13-01-11.xad

Created: 9/12/2012 1:01:11 PM
 Modified: 9/17/2012 4:33:49 PM

Electropherogram Summary Continued ...



Setpoint Deviations for sample 4 : TP20

Height Threshold [FU] : 20

Overall Results for sample 4 : TP20

Number of peaks found: 1

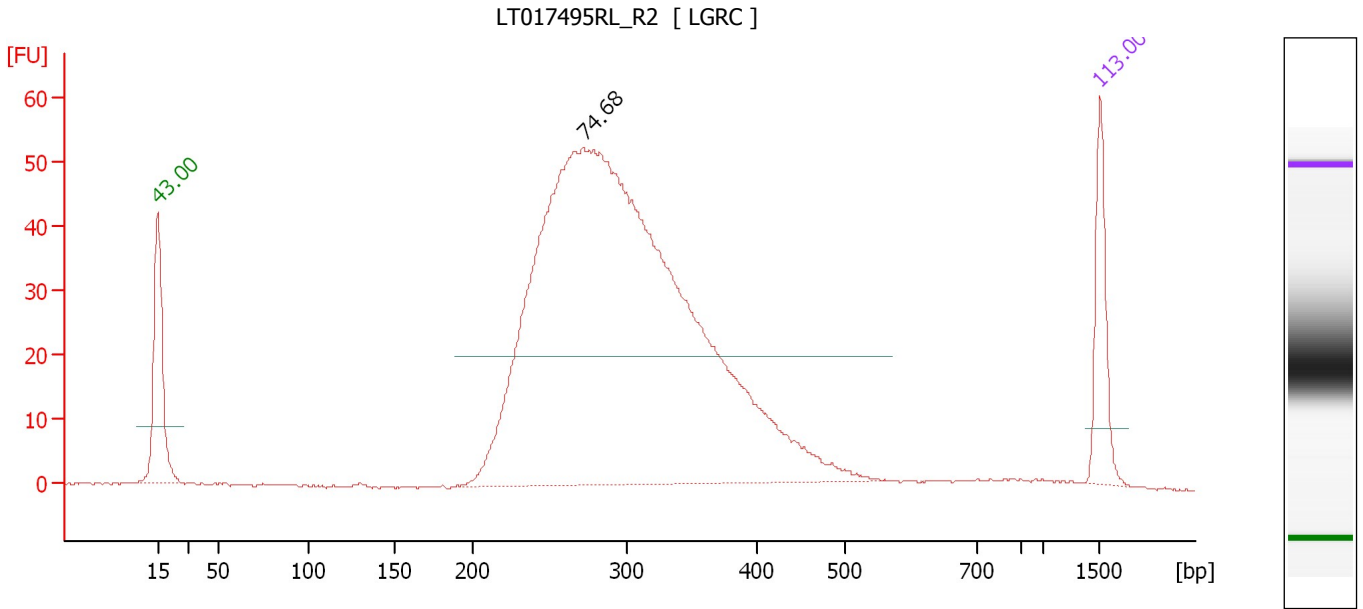
Peak table for sample 4 : TP20

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	275	43.07	237.6	
3	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000
Data Path: C:\...zer\2100 expert_DNA 1000_DE72901059_2012-09-12_13-01-11.xad

Created: 9/12/2012 1:01:11 PM
Modified: 9/17/2012 4:33:49 PM

Electropherogram Summary Continued ...



Setpoint Deviations for sample 5 : LT017495RL_R2

Height Threshold [FU] : 20

Overall Results for sample 5 : LT017495RL_R2

Number of peaks found: 1

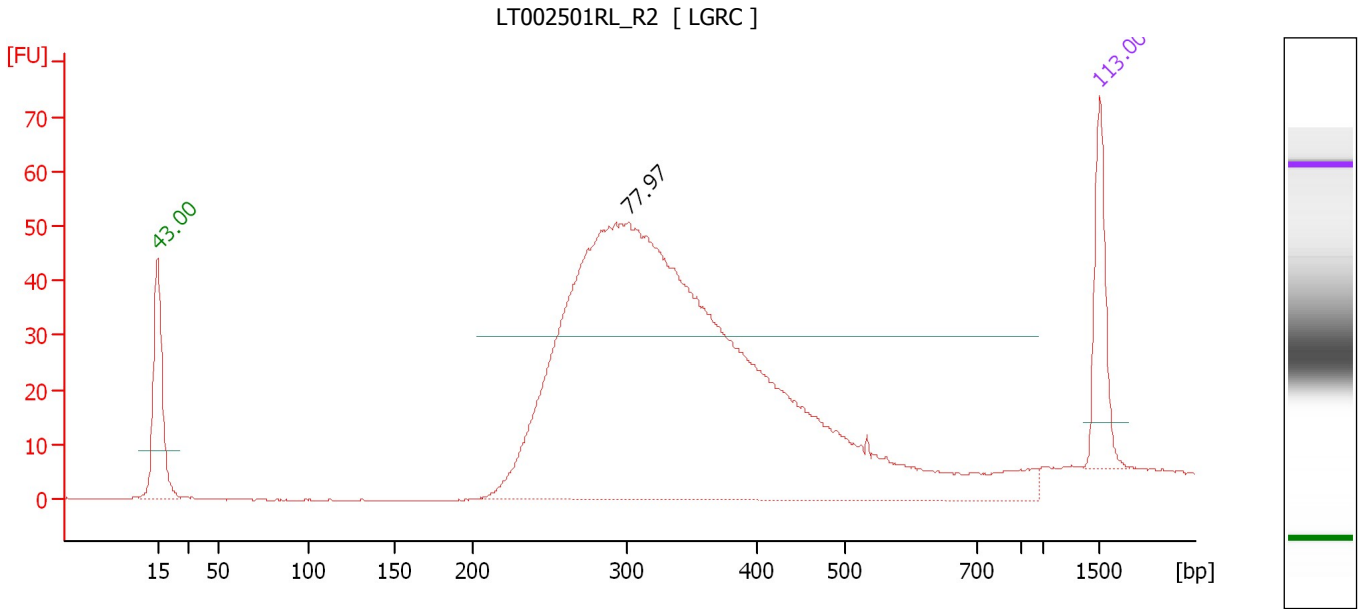
Peak table for sample 5 : LT017495RL_R2

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	272	45.58	253.5	
3	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000
 Data Path: C:\...zer\2100 expert_DNA 1000_DE72901059_2012-09-12_13-01-11.xad

Created: 9/12/2012 1:01:11 PM
 Modified: 9/17/2012 4:33:49 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : LT002501RL_R2

Number of peaks found: 1

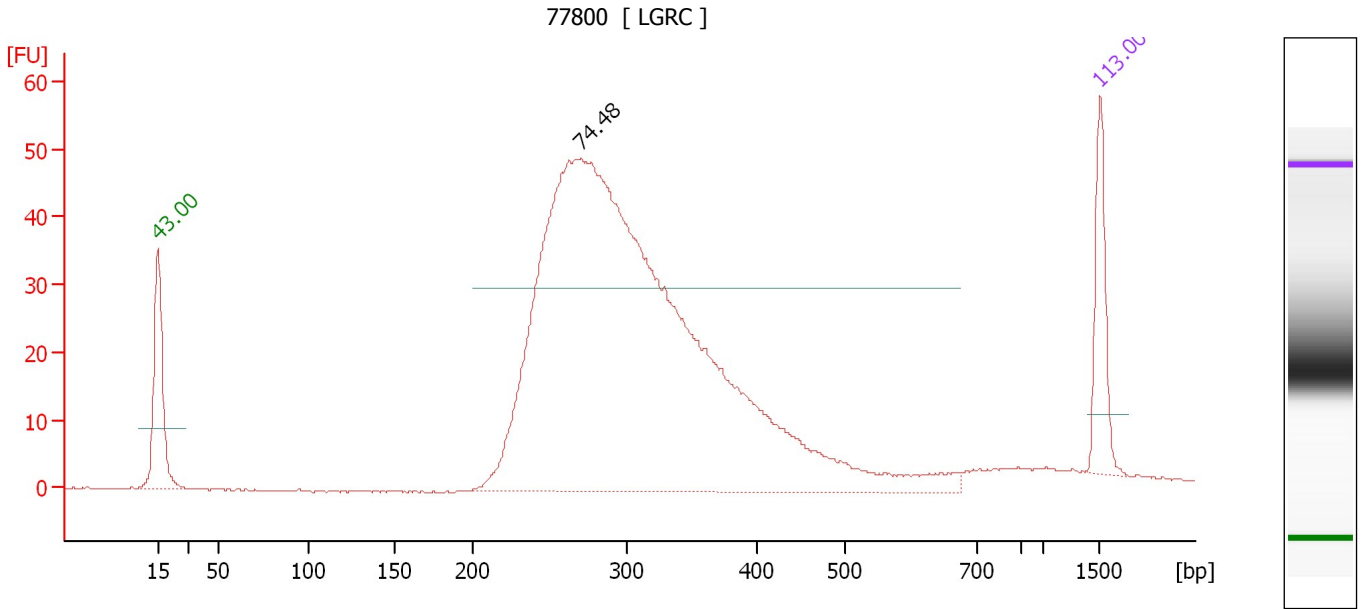
Peak table for sample 6 : LT002501RL_R2

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	301	43.51	218.8	
3	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000
 Data Path: C:\...zer\2100 expert_DNA 1000_DE72901059_2012-09-12_13-01-11.xad

Created: 9/12/2012 1:01:11 PM
 Modified: 9/17/2012 4:33:49 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 77800

Number of peaks found: 1

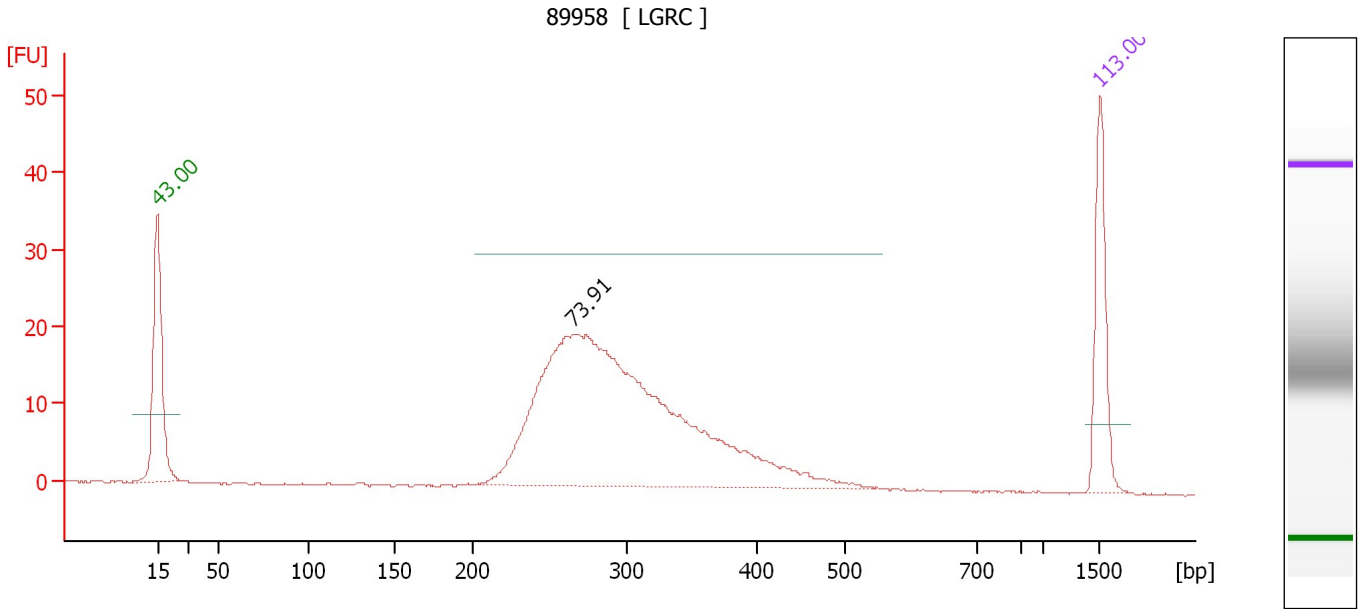
Peak table for sample 7 : 77800

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	271	46.70	261.3	
3	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000
 Data Path: C:\...zer\2100 expert_DNA 1000_DE72901059_2012-09-12_13-01-11.xad

Created: 9/12/2012 1:01:11 PM
 Modified: 9/17/2012 4:33:49 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : 89958

Number of peaks found: 1

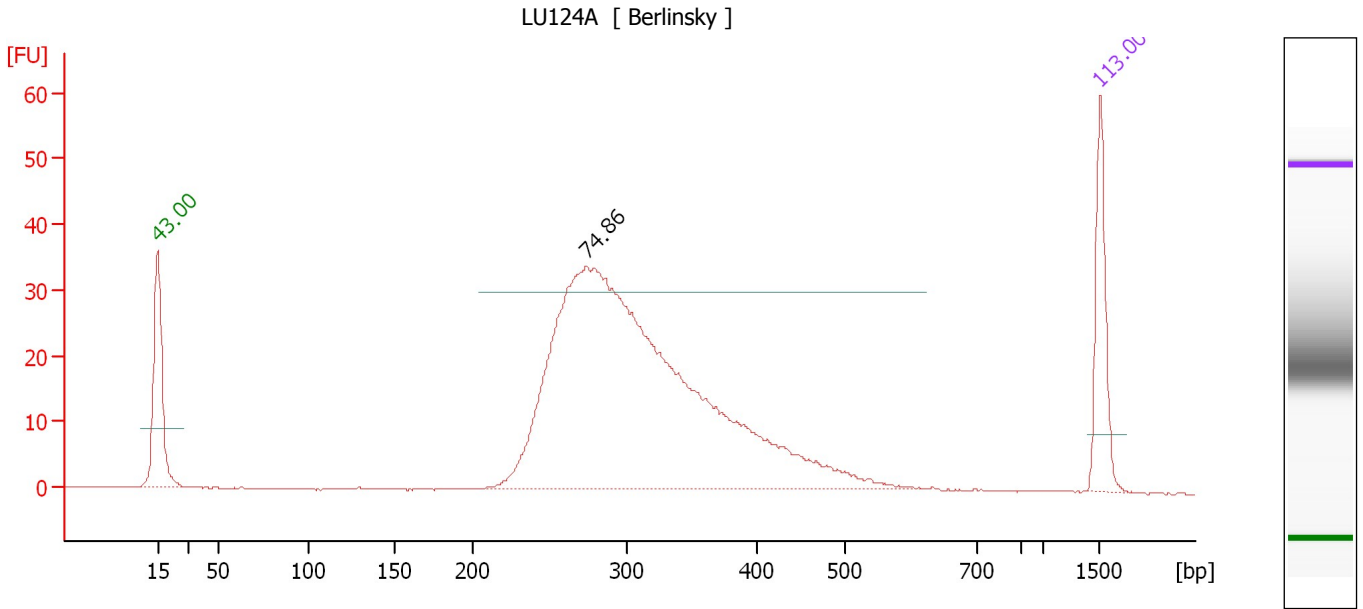
Peak table for sample 8 : 89958

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	266	17.86	101.8	
3	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000
 Data Path: C:\...zer\2100 expert_DNA 1000_DE72901059_2012-09-12_13-01-11.xad

Created: 9/12/2012 1:01:11 PM
 Modified: 9/17/2012 4:33:49 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : LU124A

Number of peaks found: 1

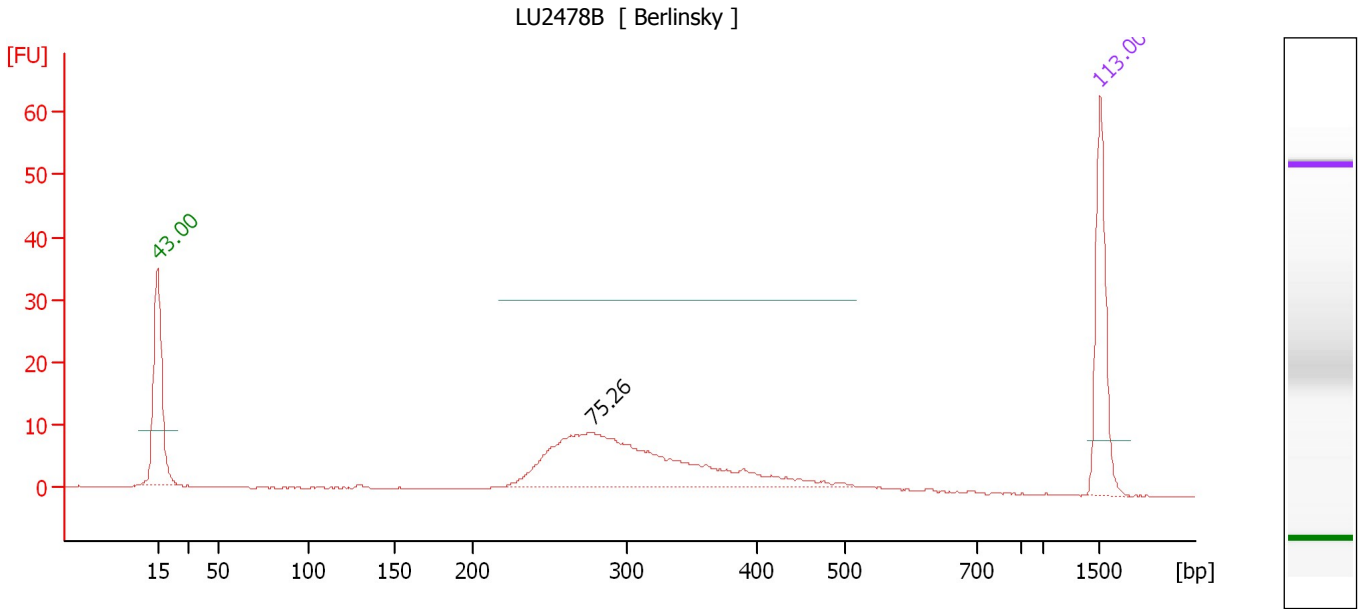
Peak table for sample 9 : LU124A

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	274	27.03	149.4	
3	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000
 Data Path: C:\...zer\2100 expert_DNA 1000_DE72901059_2012-09-12_13-01-11.xad

Created: 9/12/2012 1:01:11 PM
 Modified: 9/17/2012 4:33:49 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : LU2478B

Number of peaks found: 1

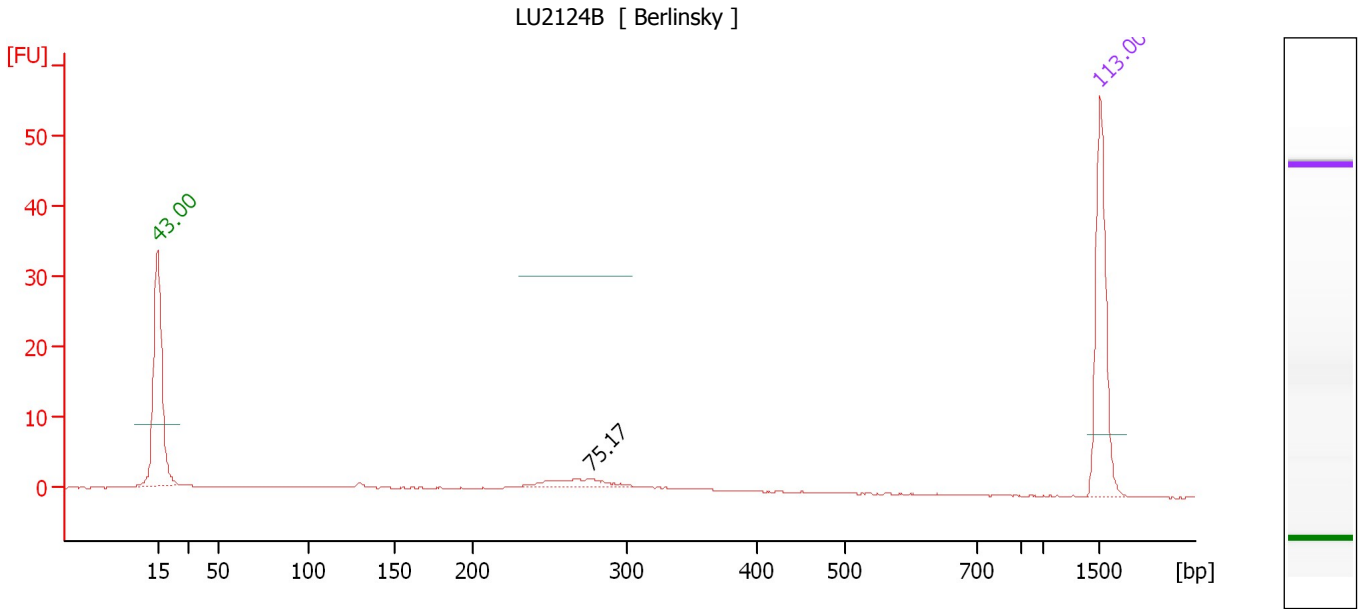
Peak table for sample 10 : LU2478B

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	278	6.06	33.1	
3	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000
 Data Path: C:\...zer\2100 expert_DNA 1000_DE72901059_2012-09-12_13-01-11.xad

Created: 9/12/2012 1:01:11 PM
 Modified: 9/17/2012 4:33:49 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : LU2124B

Number of peaks found: 1

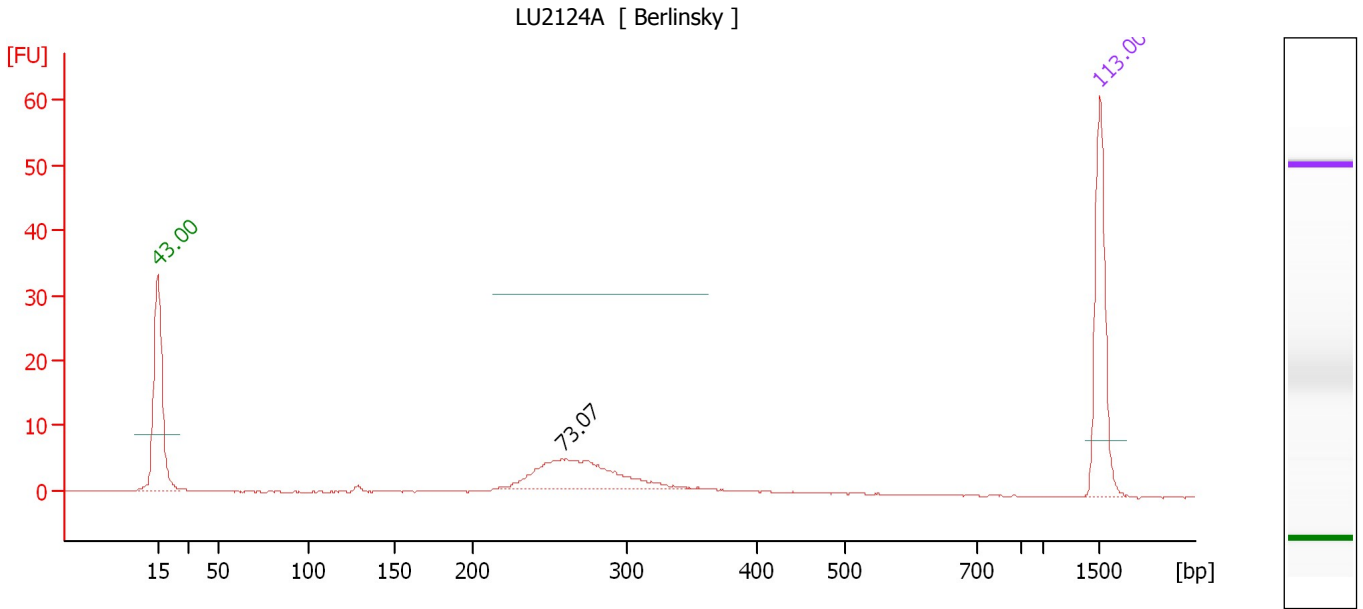
Peak table for sample 11 : LU2124B

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	277	0.38	2.1	
3	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000
 Data Path: C:\...zer\2100 expert_DNA 1000_DE72901059_2012-09-12_13-01-11.xad

Created: 9/12/2012 1:01:11 PM
 Modified: 9/17/2012 4:33:49 PM

Electropherogram Summary Continued ...



Overall Results for sample 12 : LU2124A

Number of peaks found: 1

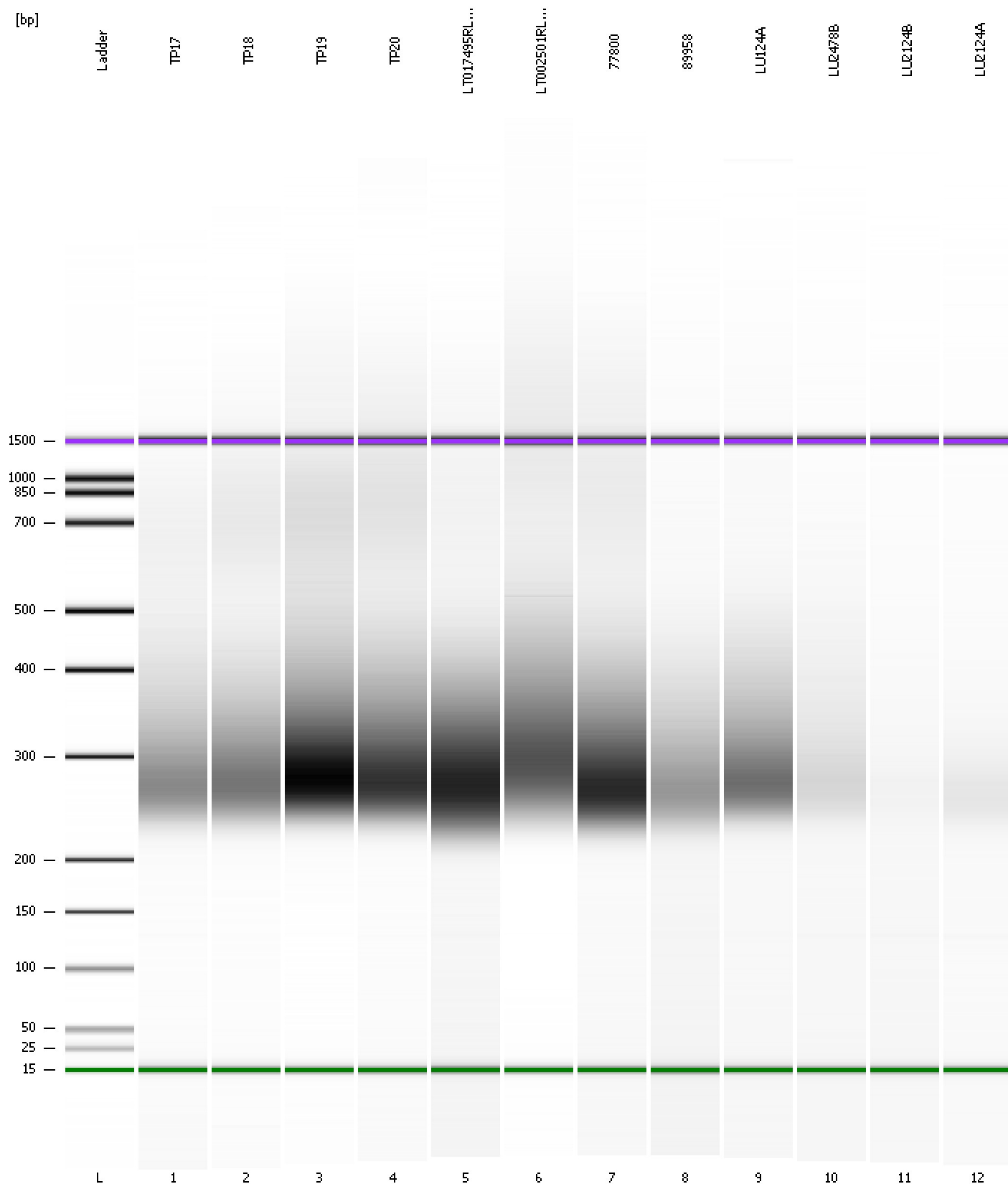
Peak table for sample 12 : LU2124A

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	258	2.20	12.9	
3	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000
Data Path: C:\...zer\2100 expert_DNA 1000_DE72901059_2012-09-12_13-01-11.xad

Created: 9/12/2012 1:01:11 PM
Modified: 9/17/2012 4:33:49 PM

Gel Image

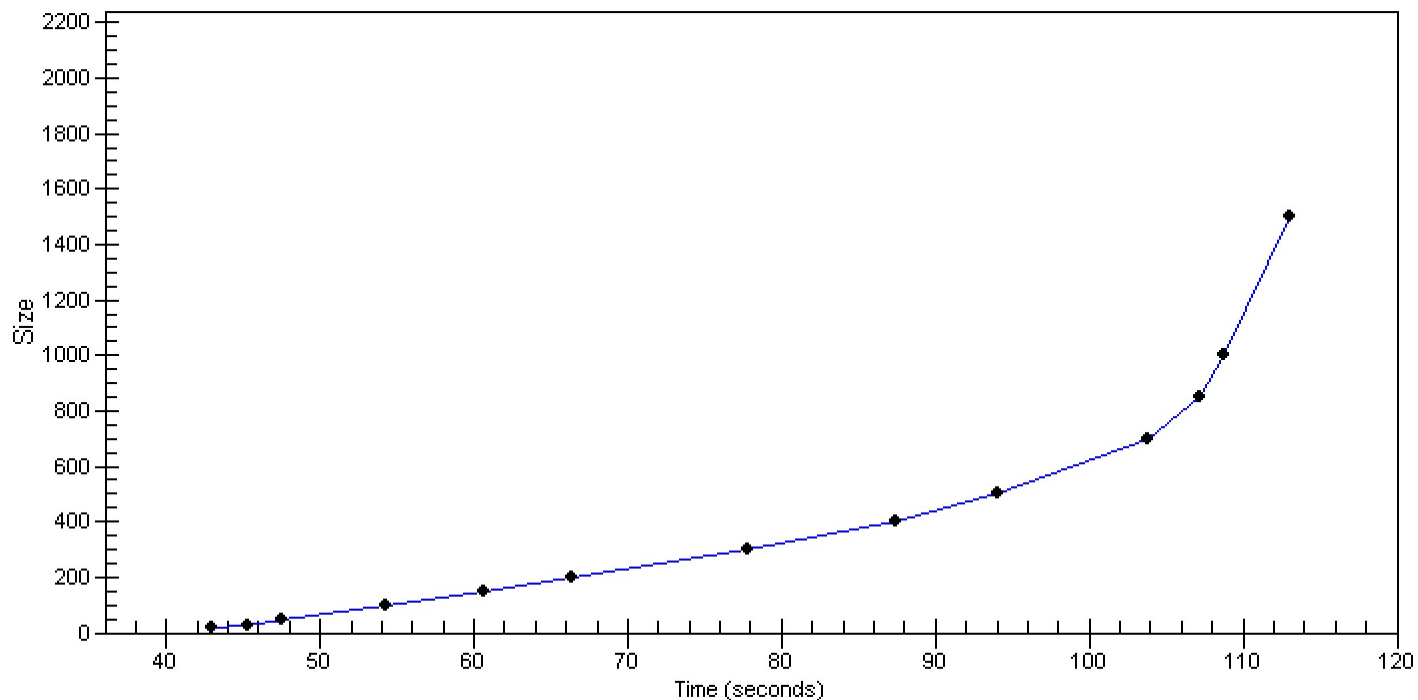


Assay Class: DNA 1000
Data Path: C:\...zer\2100 expert_DNA 1000_DE72901059_2012-09-12_13-01-11.xad

Created: 9/12/2012 1:01:11 PM
Modified: 9/17/2012 4:33:49 PM

Curves

Standard Curve



Assay Class: DNA 1000 Created: 9/12/2012 1:01:11 PM
 Data Path: C:\...zer\2100 expert_DNA 1000_DE72901059_2012-09-12_13-01-11.xad Modified: 9/17/2012 4:33:49 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		9/12/2012 1:42:05 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\2012-09-12\2100 expert_DNA 1000_DE72901059_2012-09-12_13-01-11.xad)		Instrument	Run		9/12/2012 1:01:16 PM	(GMT --04:00) Eastern Standard Time	admin	Datasystem01
Product Number : G2939A		Instrument	Run		9/12/2012 1:01:16 PM	(GMT --04:00) Eastern Standard Time	admin	Datasystem01
Name :		Instrument	Run		9/12/2012 1:01:16 PM	(GMT --04:00) Eastern Standard Time	admin	Datasystem01
Vendor : Agilent Technologies		Instrument	Run		9/12/2012 1:01:16 PM	(GMT --04:00) Eastern Standard Time	admin	Datasystem01
Serial# : DE72901059		Instrument	Run		9/12/2012 1:01:16 PM	(GMT --04:00) Eastern Standard Time	admin	Datasystem01
Firmware : C.01.069		Instrument	Run		9/12/2012 1:01:16 PM	(GMT --04:00) Eastern Standard Time	admin	Datasystem01
Cartridge : Electrode		Instrument	Run		9/12/2012 1:01:16 PM	(GMT --04:00) Eastern Standard Time	admin	Datasystem01