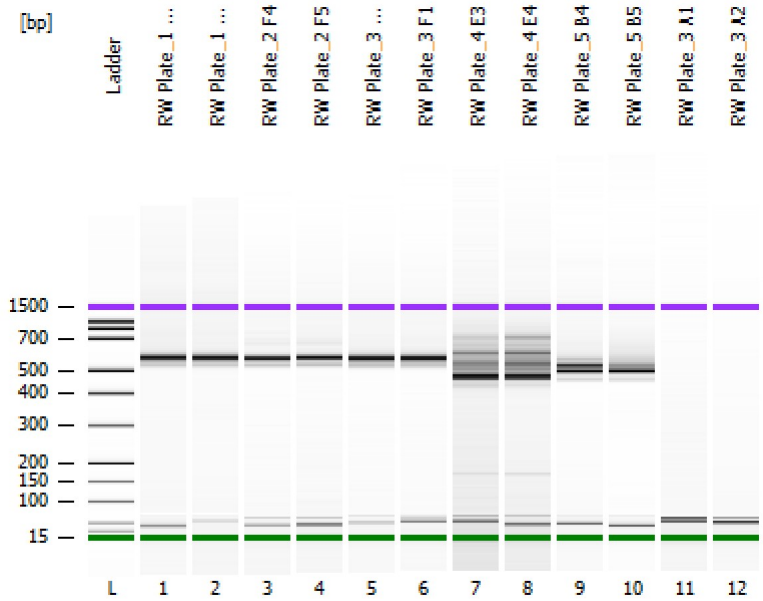
Assay Class: DNA 1000
Data Path: C:\...-17\2100 expert_DNA 1000_DE34903137_2018-09-17_13-59-55.xad

Created: 9/17/2018 1:59:55 PM
Modified: 9/17/2018 2:41:45 PM

Electrophoresis File Run Summary



Instrument Information:

Instrument Name: DE34903137 Firmware: C.01.069
Serial#: DE34903137 Type: G2938C

Assay Information:

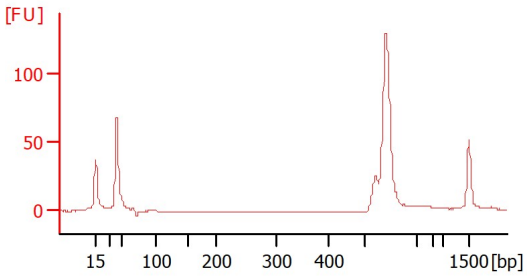
Assay Origin Path: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\assays\dsDNA\DNA 1000 Series II.xsy

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

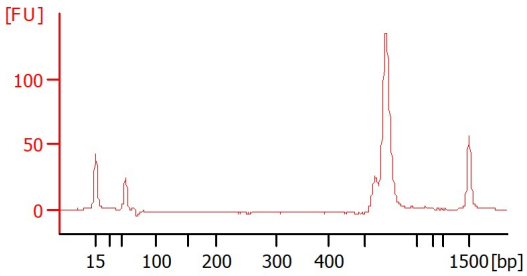
Chip Information:

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

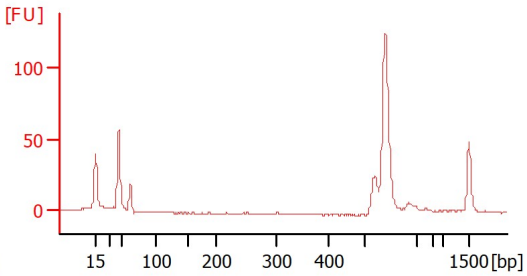
RW Plate_1 G5



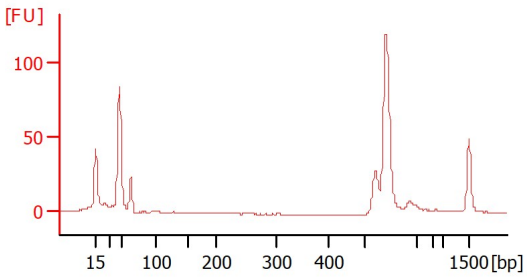
RW Plate_1 G6



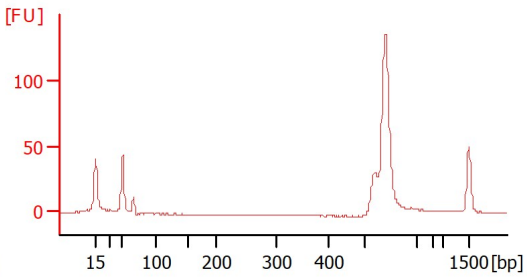
RW Plate_2 F4



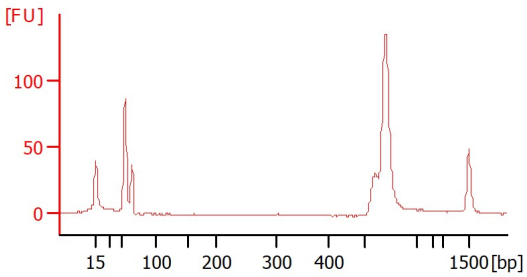
RW Plate_2 F5



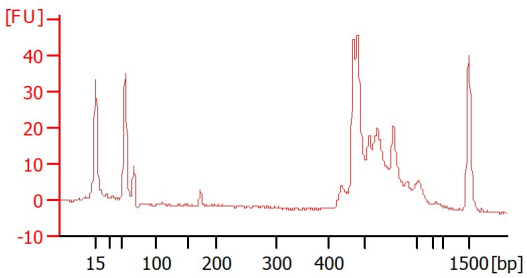
RW Plate_3 E12



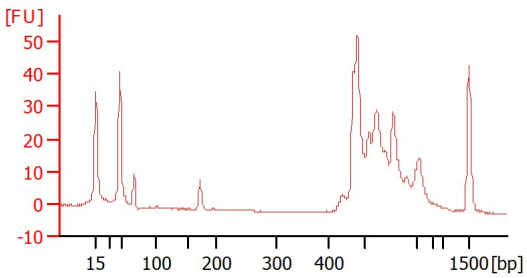
RW Plate_3 F1



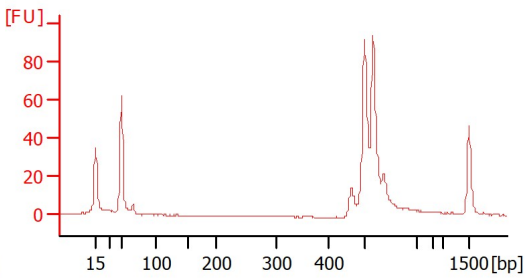
RW Plate_4 E3



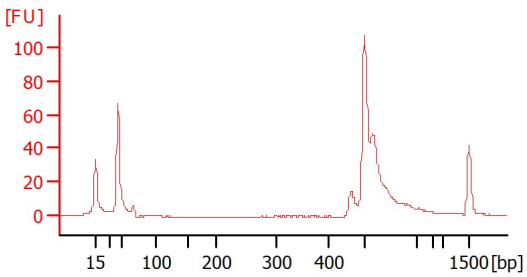
RW Plate_4 E4



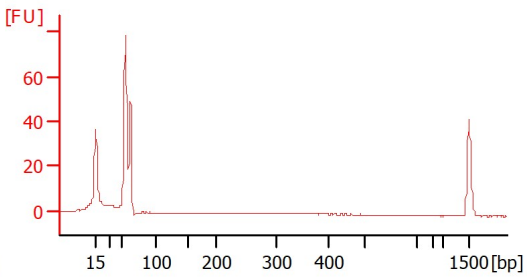
RW Plate_5 B4



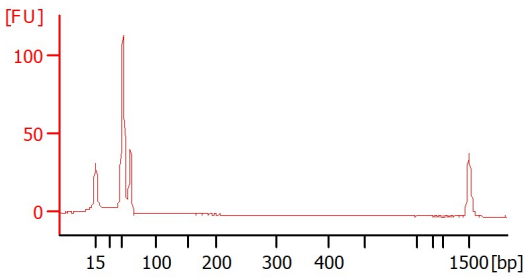
RW Plate_5 B5



RW Plate_3 A1



RW Plate_3 A2



Assay Class: DNA 1000
Data Path: C:\...-17\2100 expert_DNA 1000_DE34903137_2018-09-17_13-59-55.xad

Created: 9/17/2018 1:59:55 PM
Modified: 9/17/2018 2:41:45 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
RW Plate_1 G5		☐	✓			
RW Plate_1 G6		☐	✓			
RW Plate_2 F4		☐	✓			
RW Plate_2 F5		☐	✓			
RW Plate_3 E12		☐	✓			
RW Plate_3 F1		☐	✓			
RW Plate_4 E3		☐	✓			
RW Plate_4 E4		☐	✓			
RW Plate_5 B4		☐	✓			
RW Plate_5 B5		☐	✓			
RW Plate_3 A1		☐	✓			
RW Plate_3 A2		☐	✓			
Ladder		☐	✓			

Chip Lot # **Reagent Kit Lot #**

Chip Comments :

Assay Class: DNA 1000
Data Path: C:\...-17\2100 expert_DNA 1000_DE34903137_2018-09-17_13-59-55.xad

Created: 9/17/2018 1:59:55 PM
Modified: 9/17/2018 2:41:45 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

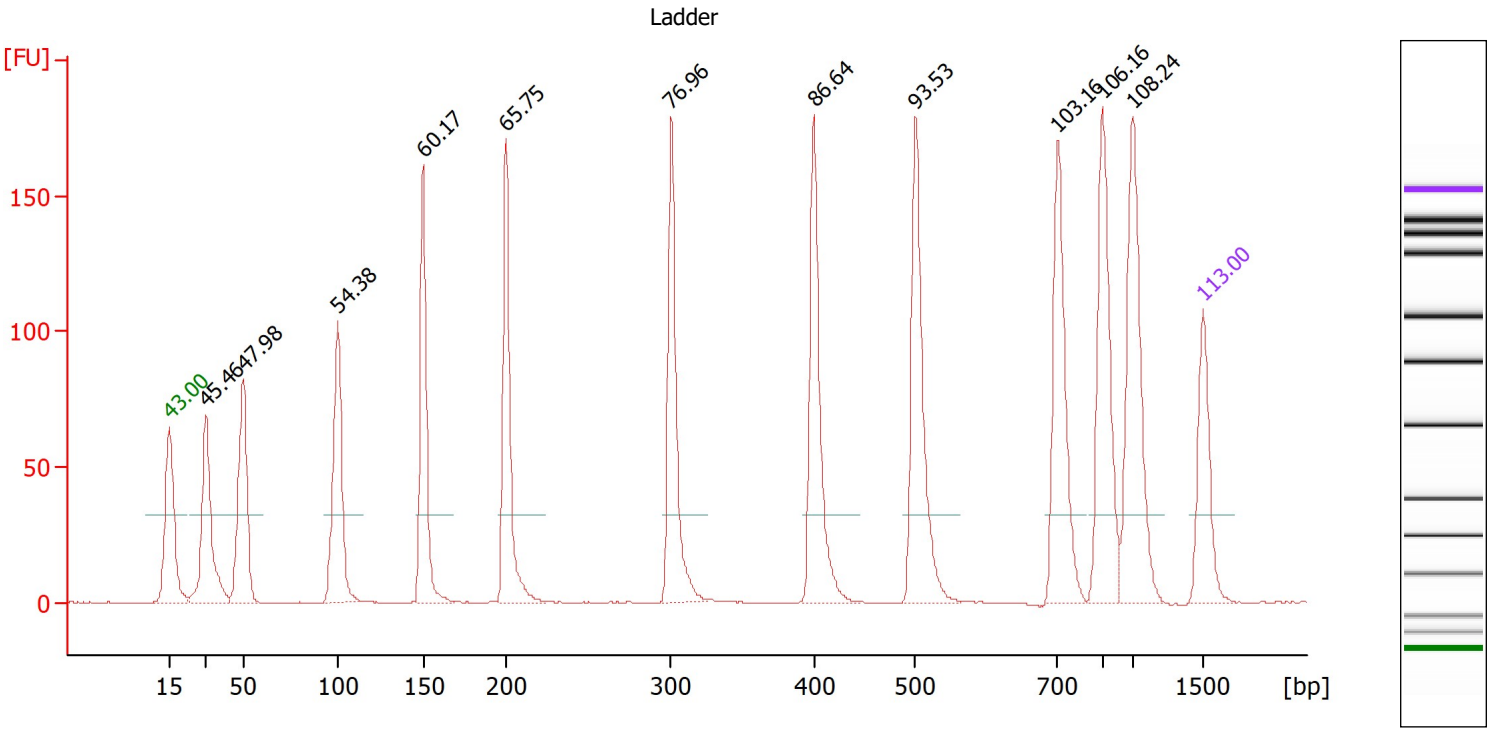
Ladder

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:\...-17\2100 expert_DNA 1000_DE34903137_2018-09-17_13-59-55.xad

Created: 9/17/2018 1:59:55 PM
Modified: 9/17/2018 2:41:45 PM

Electropherogram Summary



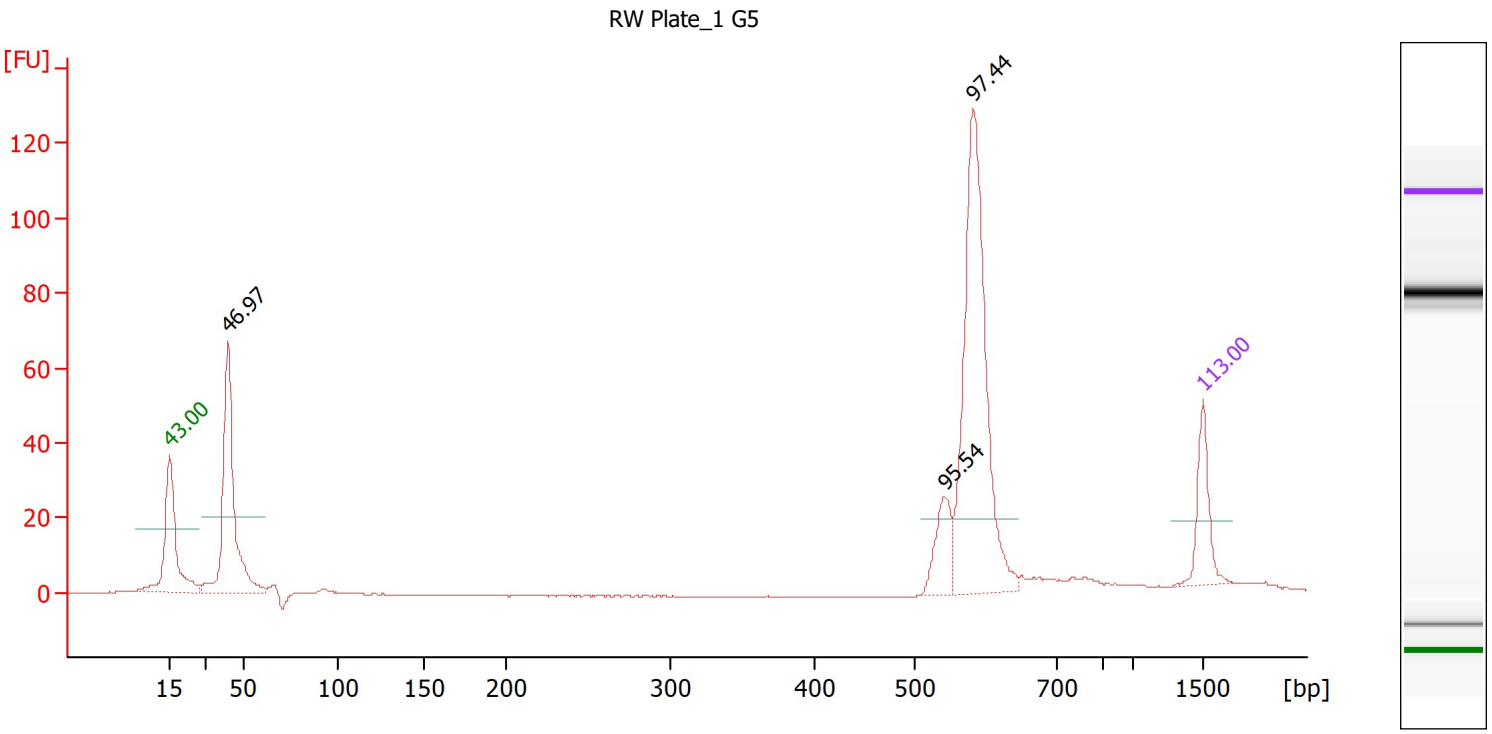
Peak table for Ladder

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:\...-17\2100 expert_DNA 1000_DE34903137_2018-09-17_13-59-55.xad

Created: 9/17/2018 1:59:55 PM
Modified: 9/17/2018 2:41:45 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : RW Plate_1 G5

Number of peaks found: 3

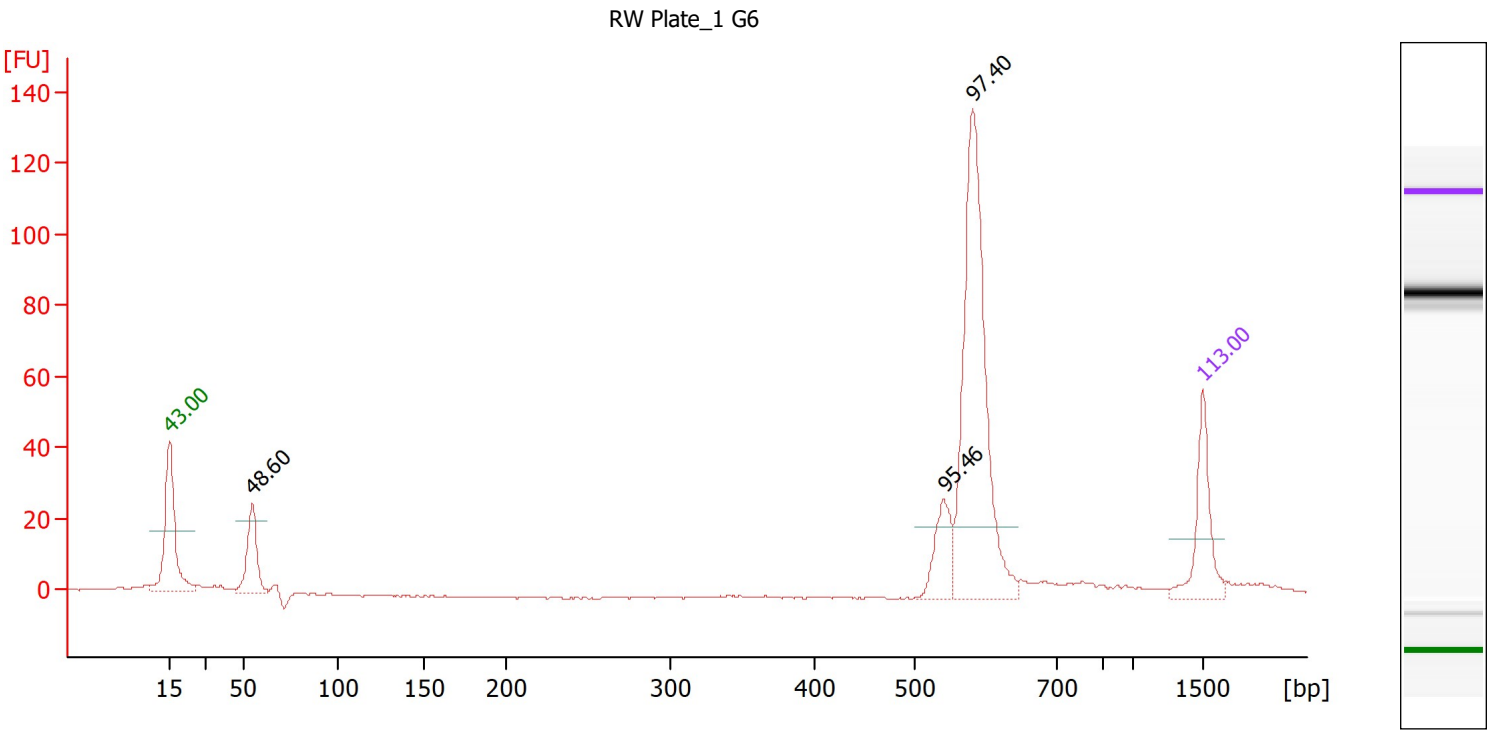
Peak table for sample 1 : RW Plate_1 G5

Peak	Size [bp]	Conc. [ng/µl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	40	8.78	332.2	
3	542	1.90	5.3	
4	581	12.39	32.3	
5	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000
Data Path: C:\...-17\2100 expert_DNA 1000_DE34903137_2018-09-17_13-59-55.xad

Created: 9/17/2018 1:59:55 PM
Modified: 9/17/2018 2:41:45 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : RW Plate_1 G6

Number of peaks found: 3

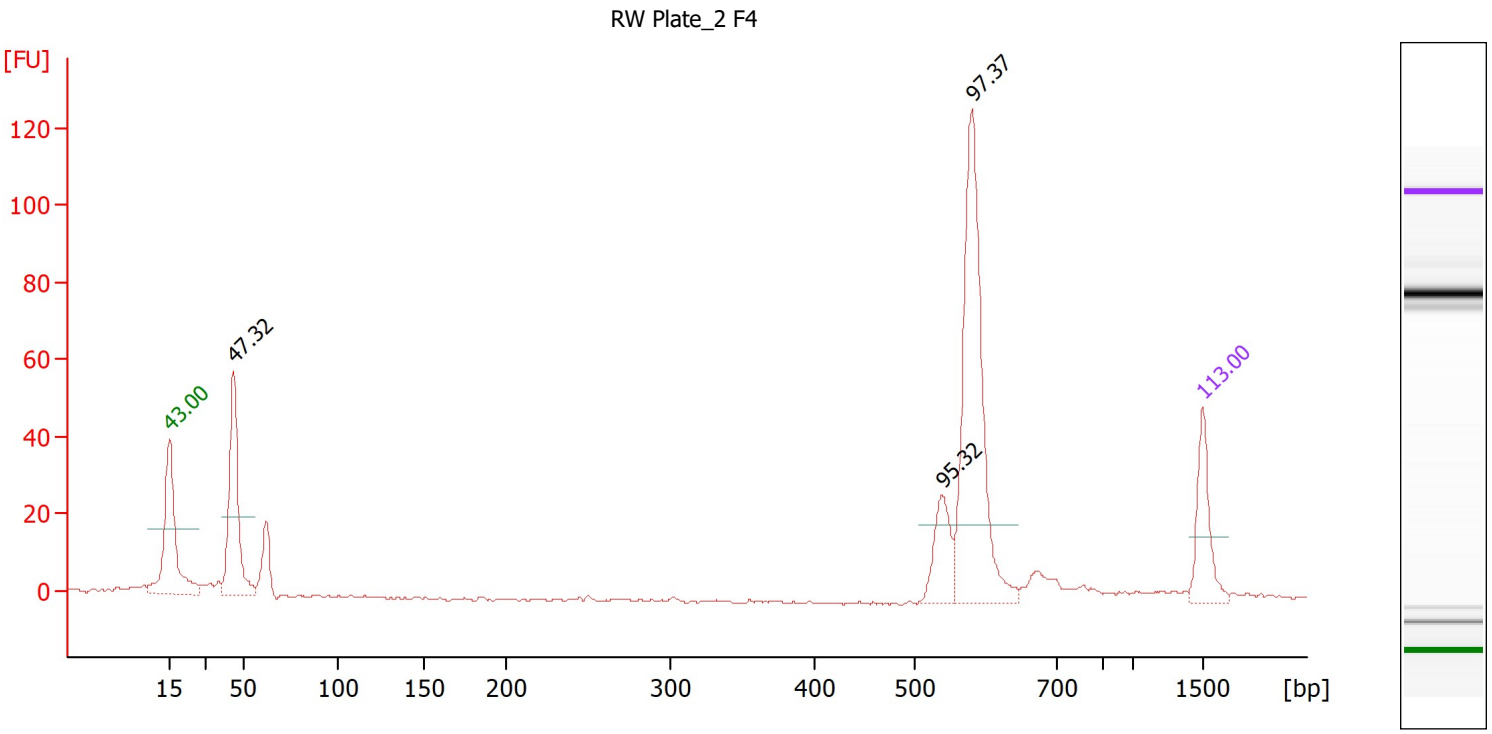
Peak table for sample 2 : RW Plate_1 G6

Peak	Size [bp]	Conc. [ng/µl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	55	1.87	51.7	
3	540	1.45	4.1	
4	580	9.44	24.6	
5	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000
Data Path: C:\...-17\2100 expert_DNA 1000_DE34903137_2018-09-17_13-59-55.xad

Created: 9/17/2018 1:59:55 PM
Modified: 9/17/2018 2:41:45 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : RW Plate_2 F4

Number of peaks found: 3

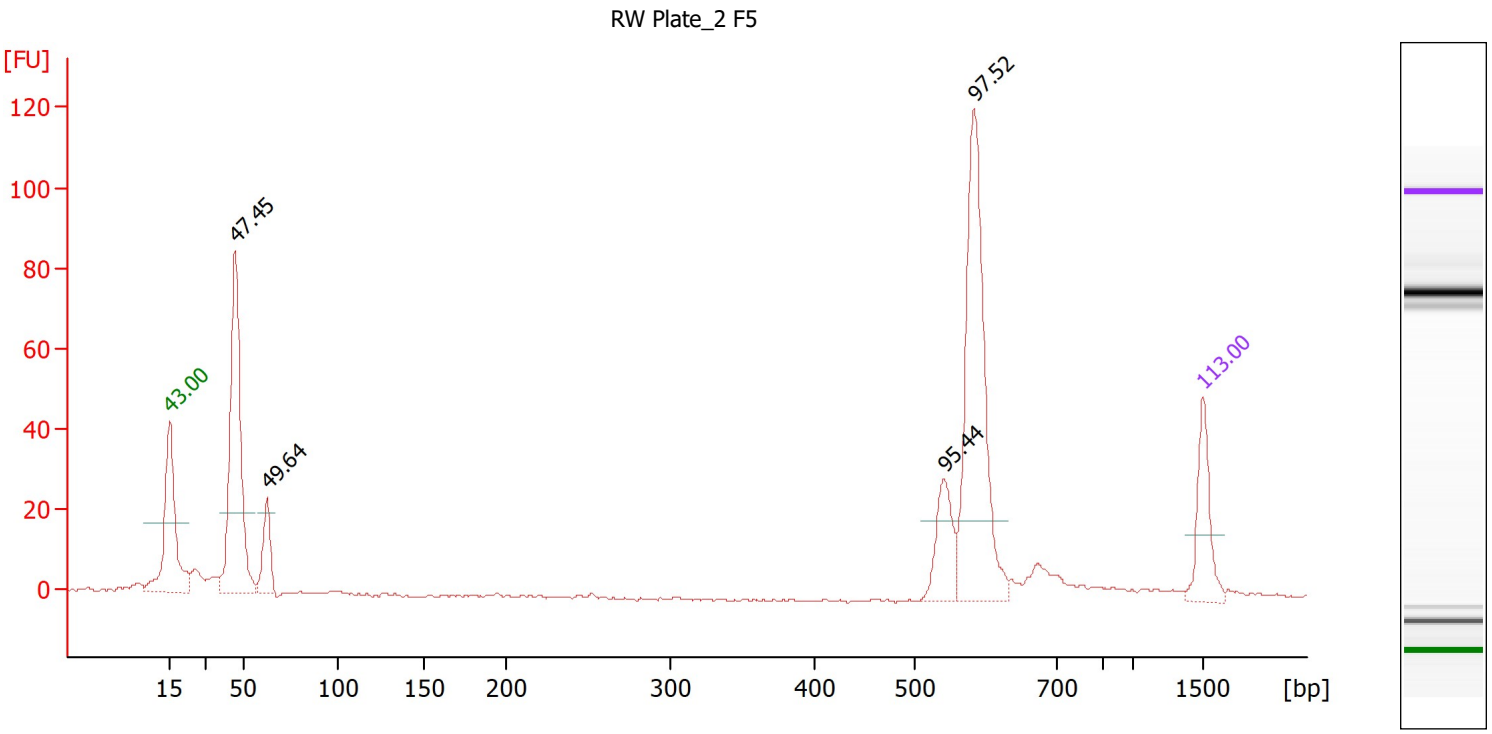
Peak table for sample 3 : RW Plate_2 F4

Peak	Size [bp]	Conc. [ng/µl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	43	5.51	192.2	
3	537	1.85	5.2	
4	580	9.44	24.7	
5	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000
Data Path: C:\...-17\2100 expert_DNA 1000_DE34903137_2018-09-17_13-59-55.xad

Created: 9/17/2018 1:59:55 PM
Modified: 9/17/2018 2:41:45 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : RW Plate_2 F5

Number of peaks found: 4

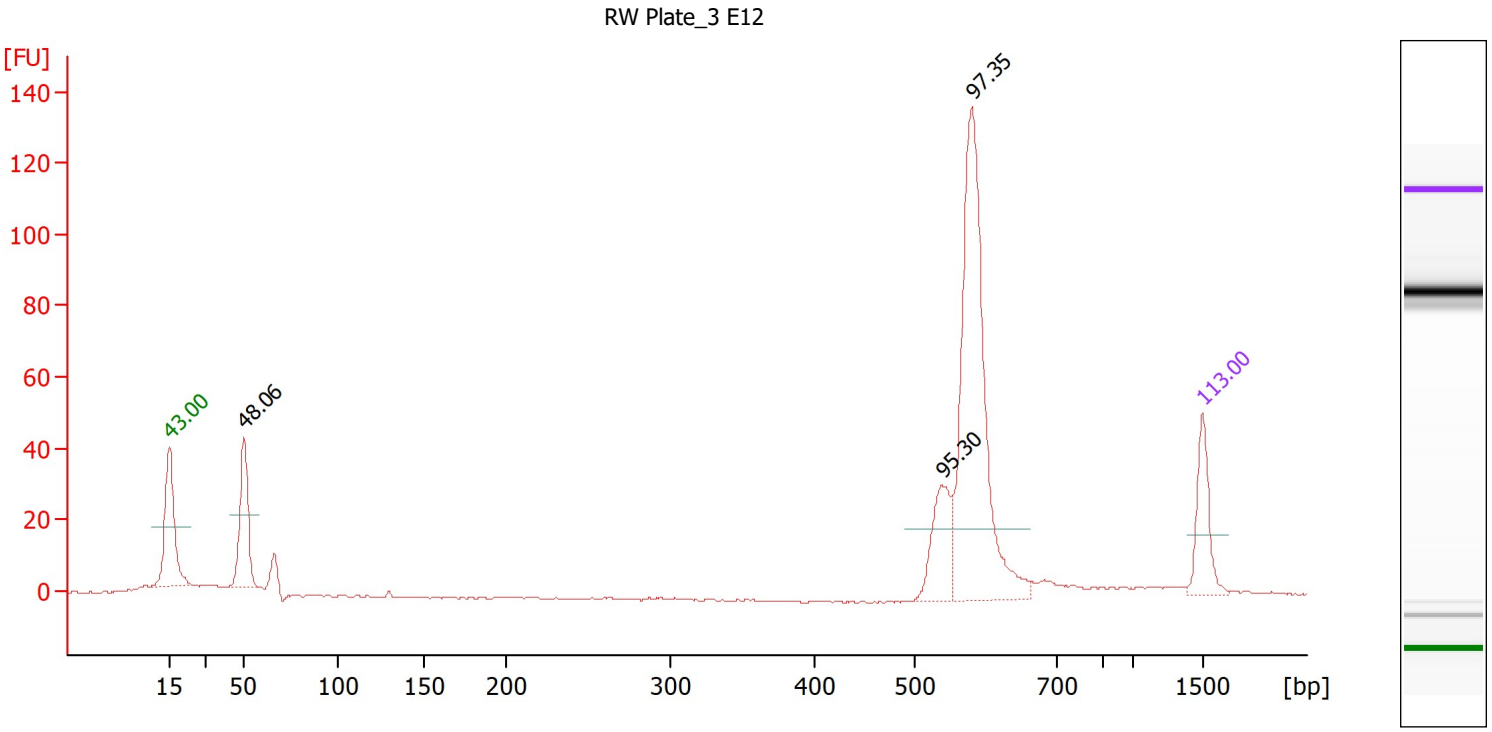
Peak table for sample 4 : RW Plate_2 F5

Peak	Size [bp]	Conc. [ng/µl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	45	9.19	311.0	
3	63	1.59	38.2	
4	540	2.00	5.6	
5	583	8.84	23.0	
6	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000
Data Path: C:\...-17\2100 expert_DNA 1000_DE34903137_2018-09-17_13-59-55.xad

Created: 9/17/2018 1:59:55 PM
Modified: 9/17/2018 2:41:45 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : RW Plate_3 E12

Number of peaks found: 3

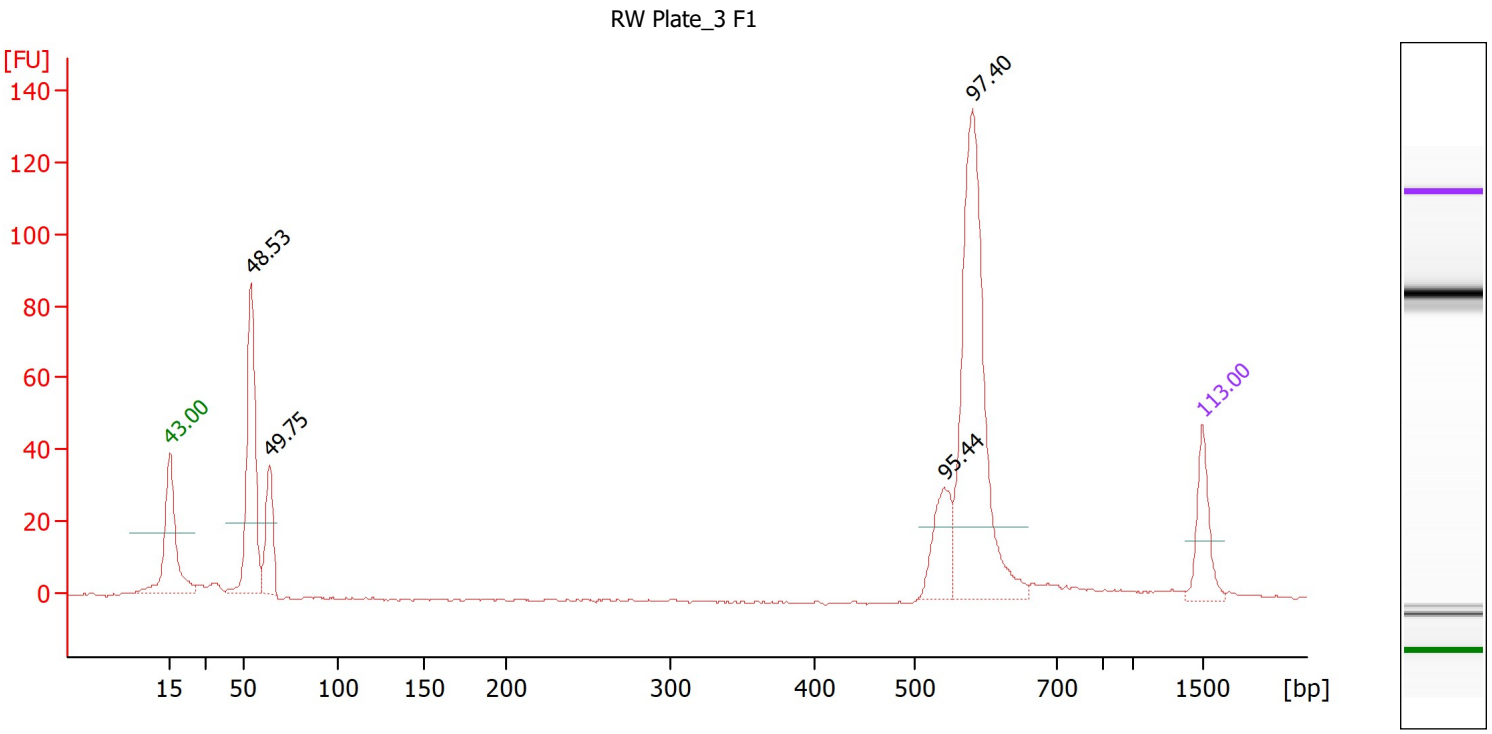
Peak table for sample 5 : RW Plate_3 E12

Peak	Size [bp]	Conc. [ng/µl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	51	3.35	100.2	
3	537	2.63	7.4	
4	579	12.49	32.7	
5	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000
Data Path: C:\...-17\2100 expert_DNA 1000_DE34903137_2018-09-17_13-59-55.xad

Created: 9/17/2018 1:59:55 PM
Modified: 9/17/2018 2:41:45 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : RW Plate_3 F1

Number of peaks found: 4

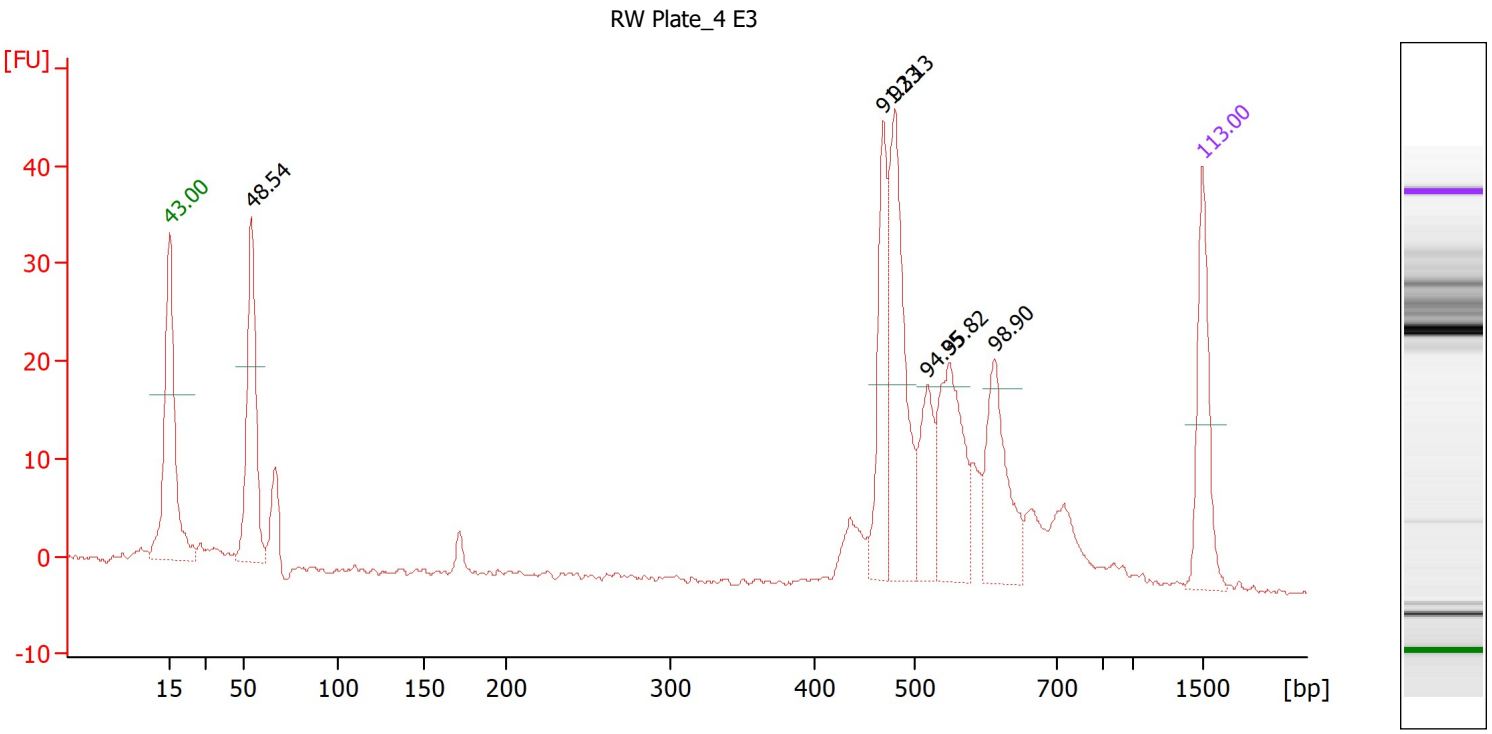
Peak table for sample 6 : RW Plate_3 F1

Peak	Size [bp]	Conc. [ng/µl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	54	7.44	207.7	
3	64	2.49	59.0	
4	540	2.45	6.9	
5	580	12.47	32.6	
6	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000
Data Path: C:\...-17\2100 expert_DNA 1000_DE34903137_2018-09-17_13-59-55.xad

Created: 9/17/2018 1:59:55 PM
Modified: 9/17/2018 2:41:45 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : RW Plate_4 E3

Number of peaks found: 6

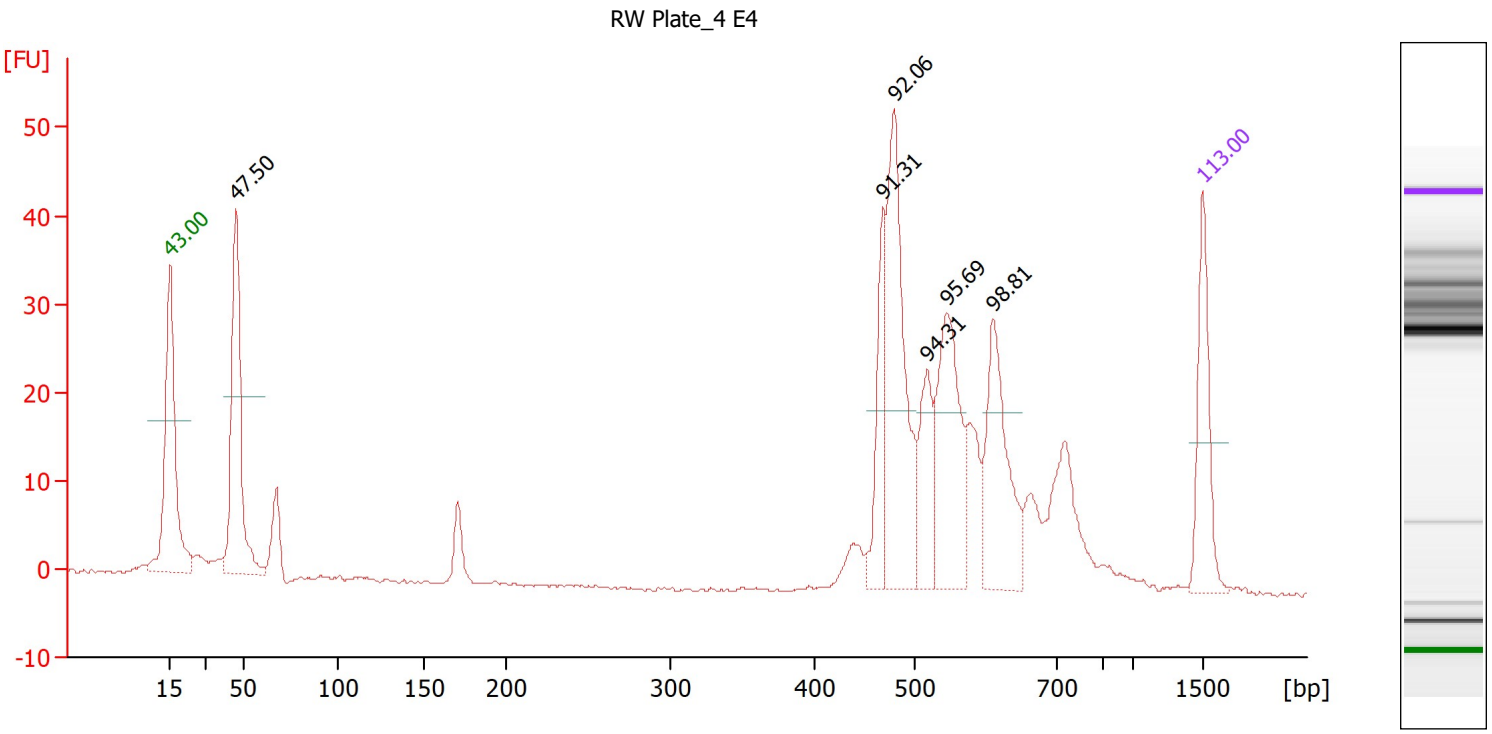
Peak table for sample 7 : RW Plate_4 E3

Peak	Size [bp]	Conc. [ng/µl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	54	3.86	107.4	
3	468	2.39	7.7	
4	480	3.84	12.1	
5	517	1.45	4.3	
6	548	2.79	7.7	
7	612	2.39	5.9	
8	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000
Data Path: C:\...-17\2100 expert_DNA 1000_DE34903137_2018-09-17_13-59-55.xad

Created: 9/17/2018 1:59:55 PM
Modified: 9/17/2018 2:41:45 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : RW Plate_4 E4

Number of peaks found: 6

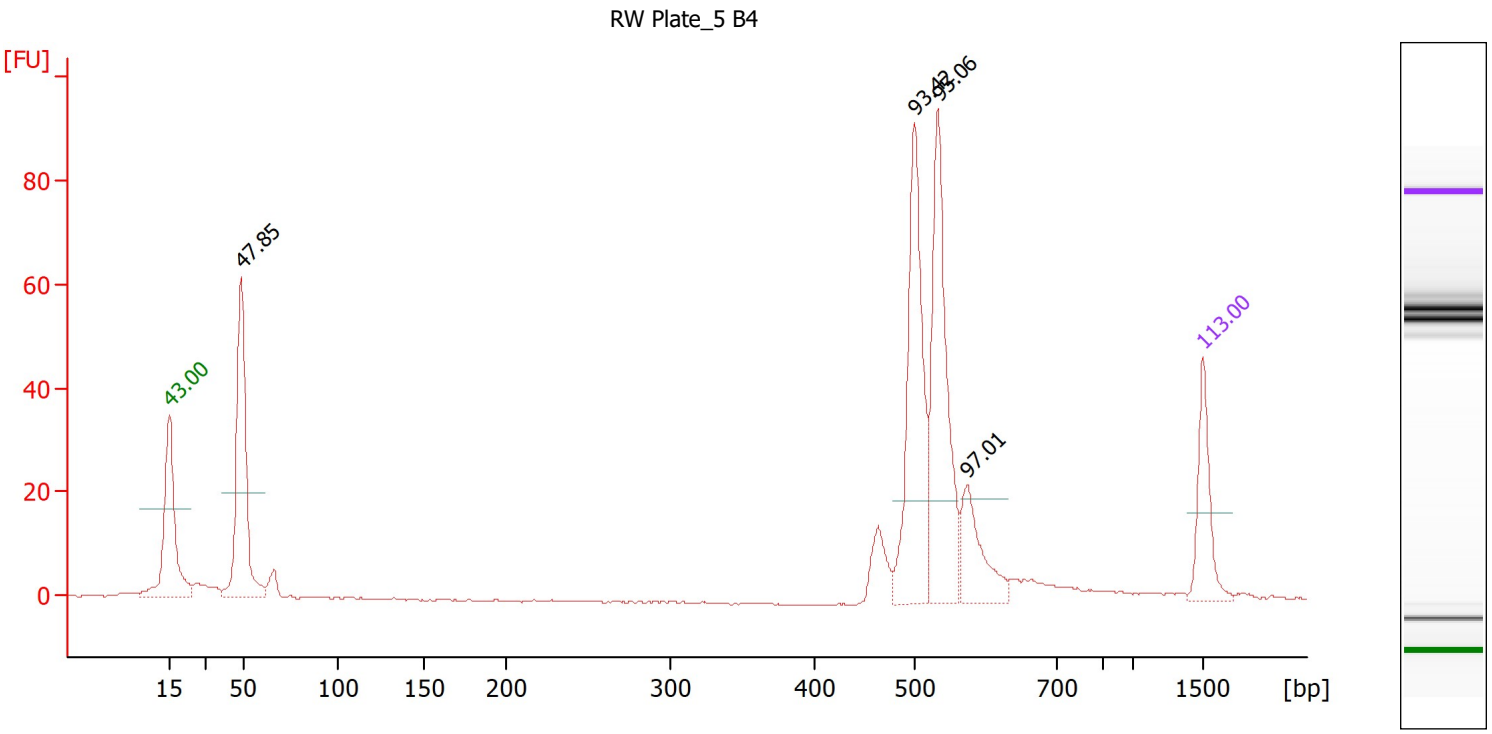
Peak table for sample 8 : RW Plate_4 E4

Peak	Size [bp]	Conc. [ng/µl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	45	4.77	159.6	
3	468	1.82	5.9	
4	479	4.66	14.7	
5	516	1.62	4.8	
6	545	3.38	9.4	
7	610	3.09	7.7	
8	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000
Data Path: C:\...-17\2100 expert_DNA 1000_DE34903137_2018-09-17_13-59-55.xad

Created: 9/17/2018 1:59:55 PM
Modified: 9/17/2018 2:41:45 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : RW Plate_5 B4

Number of peaks found: 4

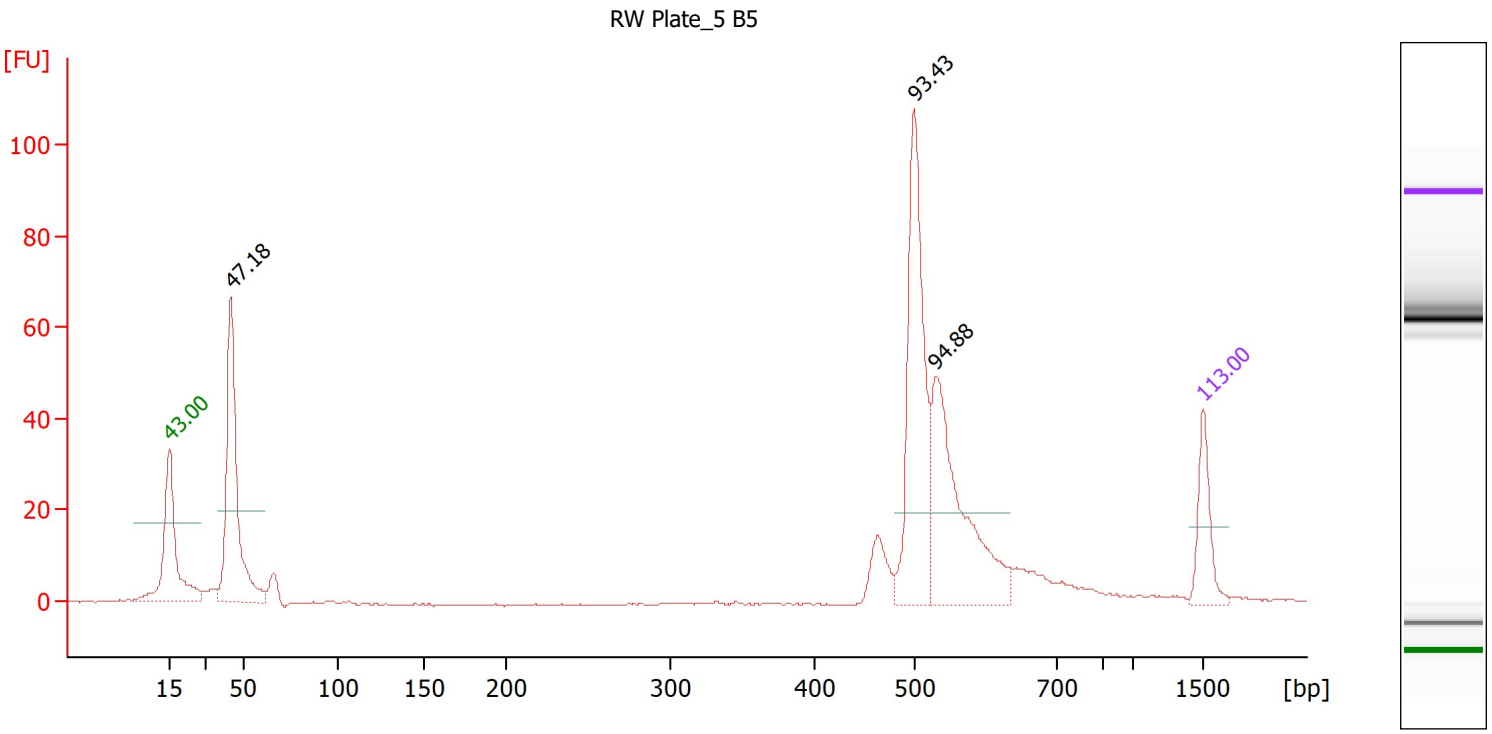
Peak table for sample 9 : RW Plate_5 B4

Peak	Size [bp]	Conc. [ng/µl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	49	6.43	199.9	
3	498	6.23	18.9	
4	532	6.28	17.9	
5	572	2.13	5.7	
6	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000
Data Path: C:\...-17\2100 expert_DNA 1000_DE34903137_2018-09-17_13-59-55.xad

Created: 9/17/2018 1:59:55 PM
Modified: 9/17/2018 2:41:45 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : RW Plate_5 B5

Number of peaks found: 3

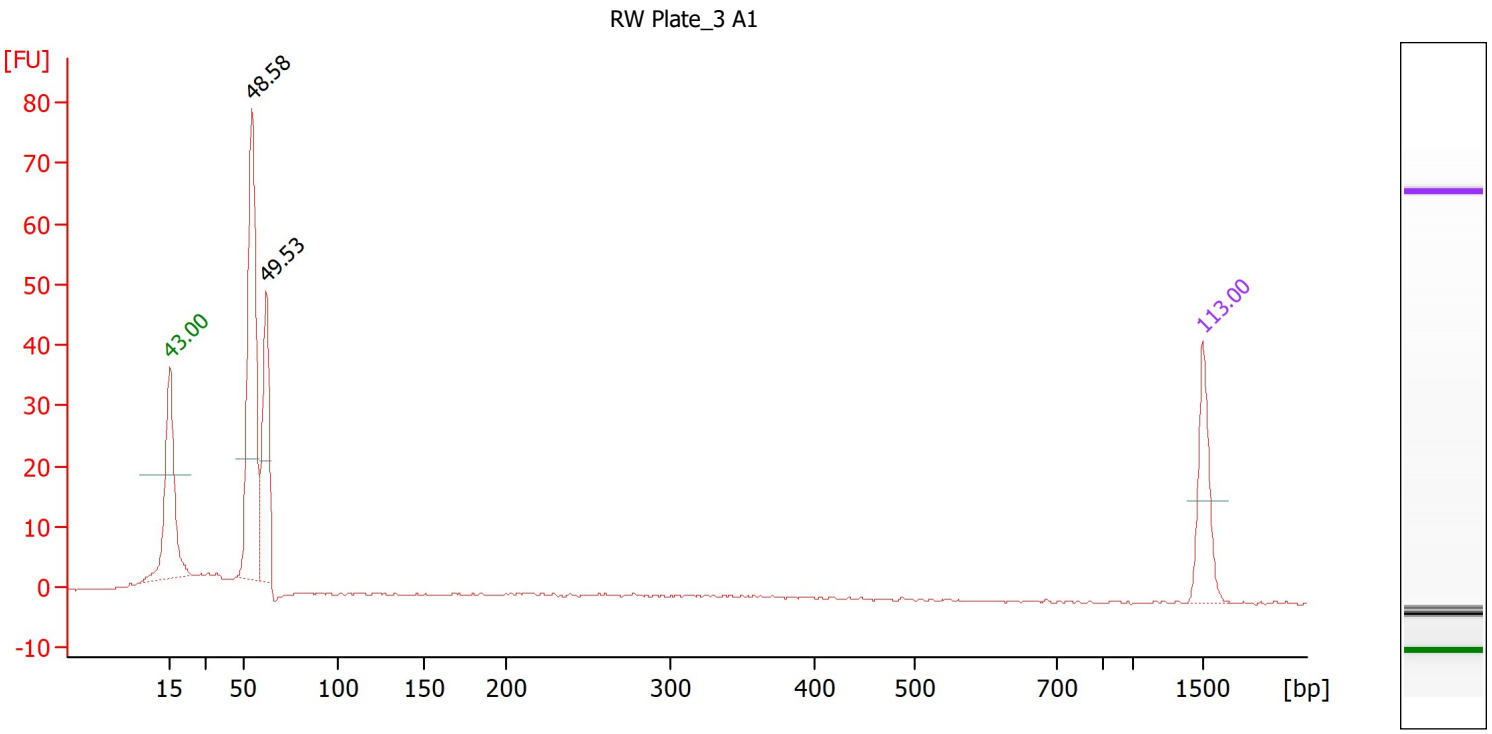
Peak table for sample 10 : RW Plate_5 B5

Peak	Size [bp]	Conc. [ng/µl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	42	9.00	324.1	
3	498	8.37	25.5	
4	528	7.48	21.5	
5	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000
Data Path: C:\...-17\2100 expert_DNA 1000_DE34903137_2018-09-17_13-59-55.xad

Created: 9/17/2018 1:59:55 PM
Modified: 9/17/2018 2:41:45 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : RW Plate_3 A1

Number of peaks found: 2

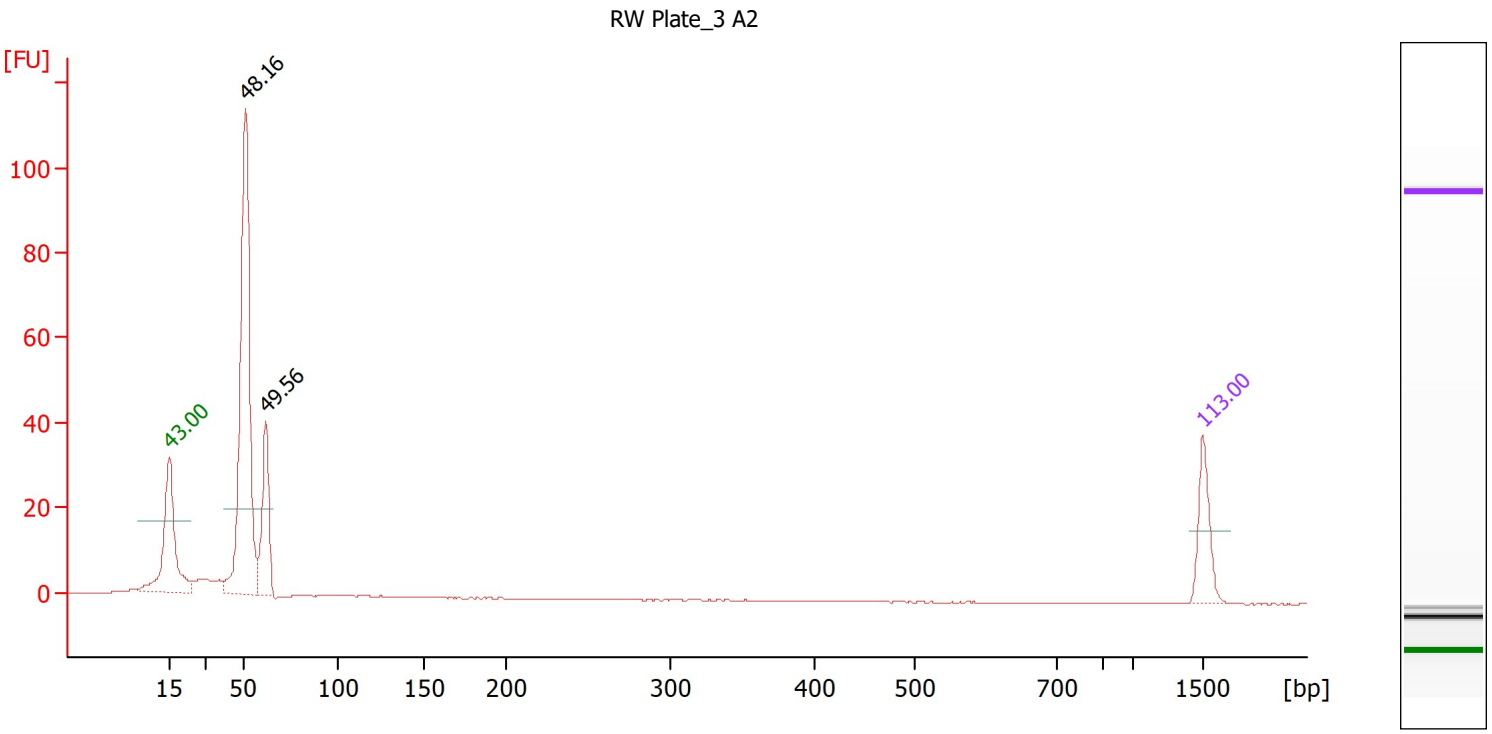
Peak table for sample 11 : RW Plate_3 A1

Peak	Size [bp]	Conc. [ng/µl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	55	8.18	226.6	
3	62	3.66	89.2	
4	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000
Data Path: C:\...-17\2100 expert_DNA 1000_DE34903137_2018-09-17_13-59-55.xad

Created: 9/17/2018 1:59:55 PM
Modified: 9/17/2018 2:41:45 PM

Electropherogram Summary Continued ...



Overall Results for sample 12 : RW Plate_3 A2

Number of peaks found: 2

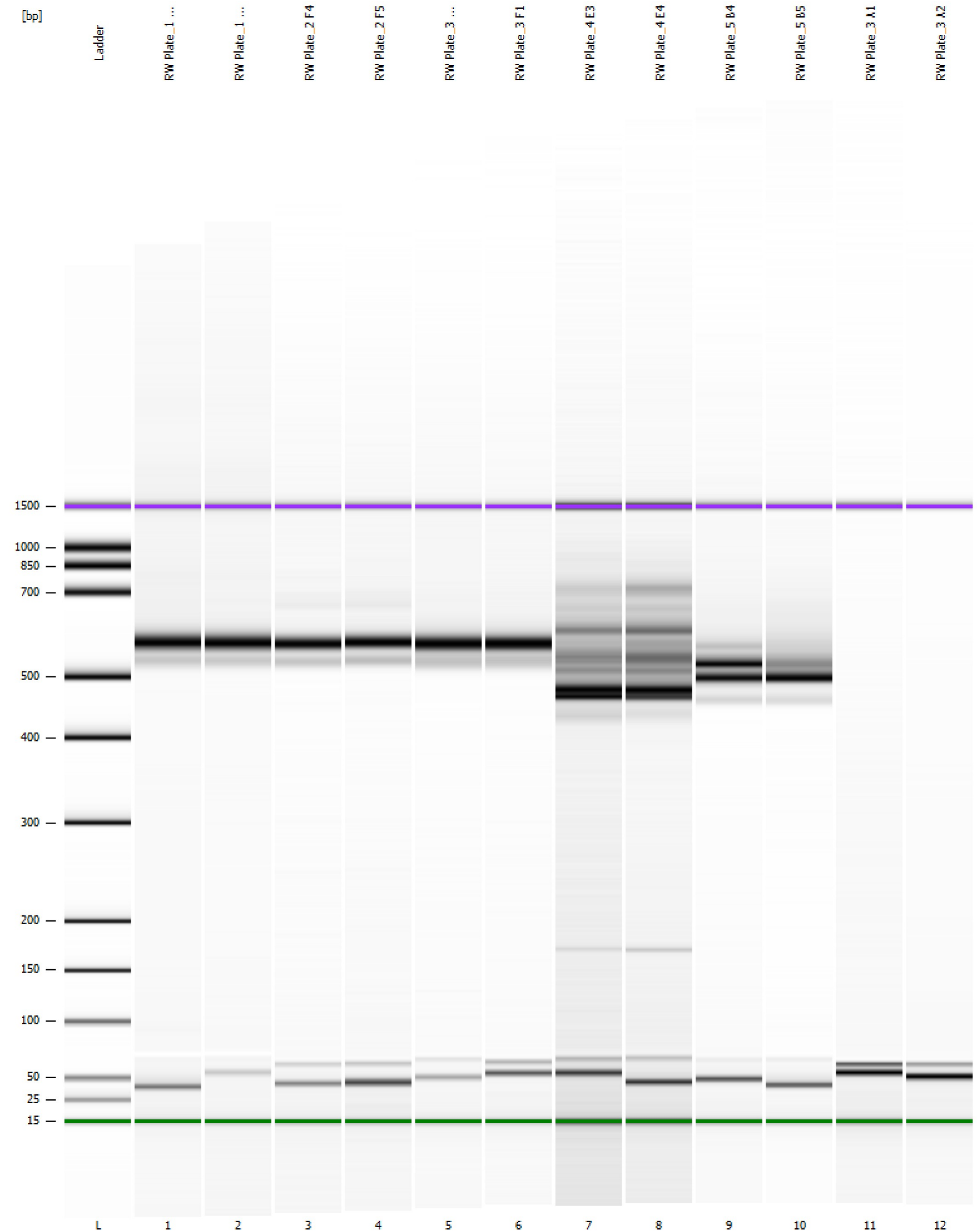
Peak table for sample 12 : RW Plate_3 A2

Peak	Size [bp]	Conc. [ng/µl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	51	14.70	432.9	
3	62	3.74	90.8	
4	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000
Data Path: C:\...-17\2100 expert_DNA 1000_DE34903137_2018-09-17_13-59-55.xad

Created: 9/17/2018 1:59:55 PM
Modified: 9/17/2018 2:41:45 PM

Gel Image



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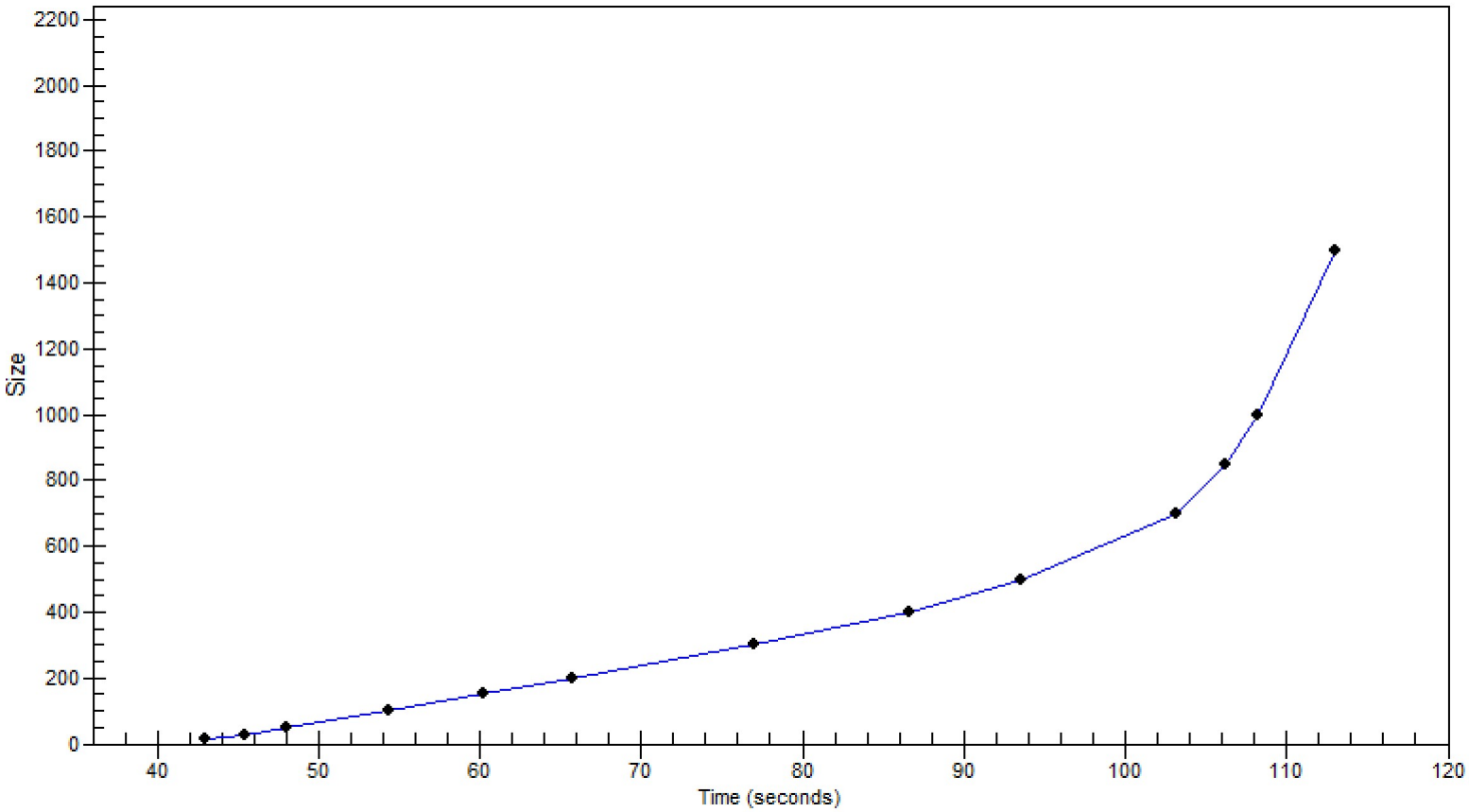
Created: 9/17/2018 1:59:55 PM
Modified: 9/17/2018 2:41:45 PM

Curves

Standard Curve



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Data Path: C:\...-17\2100 expert_DNA 1000_DE34903137_2018-09-17_13-59-55.xad Modified: 9/17/2018 2:41:45 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		9/17/2018 2:41:42 PM	(GMT +01:00) GMT Standard Time	lssdg	ADS
Run started on port 1 (File: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\Data\2018-09-17\2100 expert_DNA 1000_DE34903137_2018-09-17_13-59-55.xad)		Instrument	Run		9/17/2018 2:00:00 PM	(GMT +01:00) GMT Standard Time	lssdg	ADS
Product Number : G2938C		Instrument	Run		9/17/2018 2:00:00 PM	(GMT +01:00) GMT Standard Time	lssdg	ADS
Name :		Instrument	Run		9/17/2018 2:00:00 PM	(GMT +01:00) GMT Standard Time	lssdg	ADS
Vendor : Agilent Technologies		Instrument	Run		9/17/2018 2:00:00 PM	(GMT +01:00) GMT Standard Time	lssdg	ADS
Serial# : DE34903137		Instrument	Run		9/17/2018 2:00:00 PM	(GMT +01:00) GMT Standard Time	lssdg	ADS
Firmware : C.01.069		Instrument	Run		9/17/2018 2:00:00 PM	(GMT +01:00) GMT Standard Time	lssdg	ADS
Cartridge : Electrode		Instrument	Run		9/17/2018 2:00:00 PM	(GMT +01:00) GMT Standard Time	lssdg	ADS