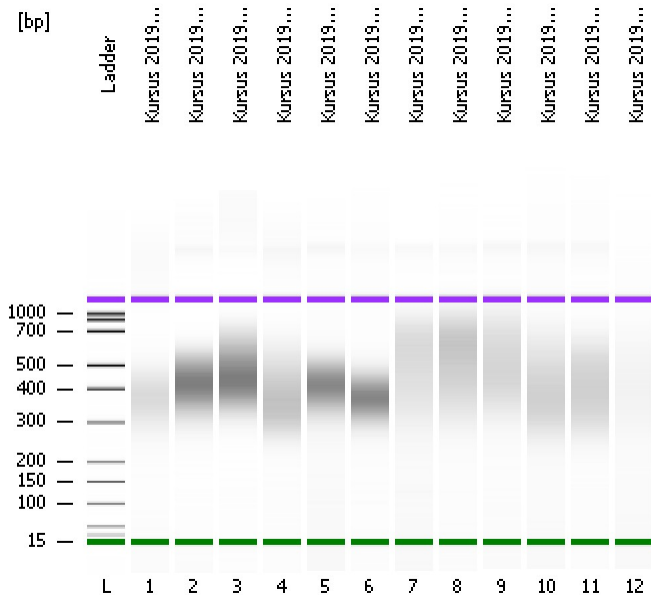


Assay Class: DNA 1000  
Data Path: C:\...-20\2100 expert\_DNA 1000\_DE34903050\_2019-09-20\_12-43-20.xad

Created: 9/20/2019 12:43:19 PM  
Modified: 9/20/2019 1:25:08 PM

Electrophoresis File Run Summary



Instrument Information:

Instrument Name: G2938CDE34903050      Firmware: C.01.069  
Serial#: DE34903050      Type: G2938C

Assay Information:

Assay Origin Path: C:\Program Files\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 #:

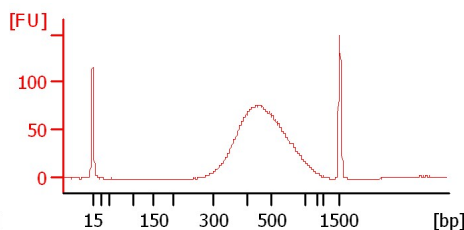
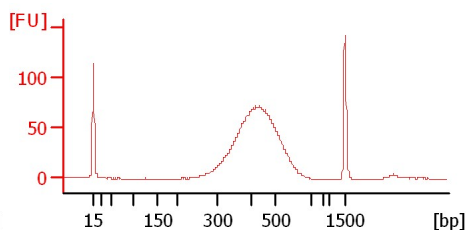
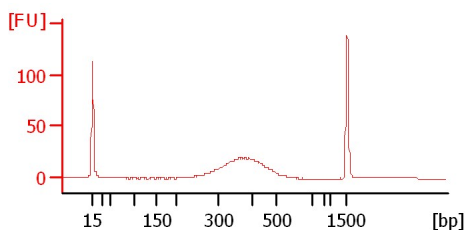
Reagent Kit Lot #:

Chip Comments:

Kursus 2019 library 13

Kursus 2019 library 14

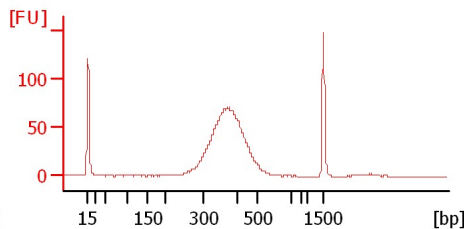
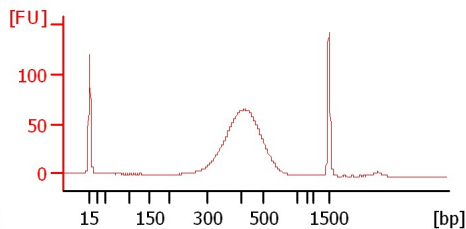
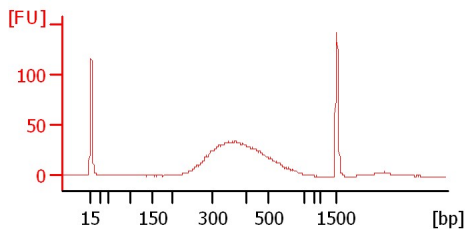
Kursus 2019 library 15



Kursus 2019 library 16

Kursus 2019 library 17

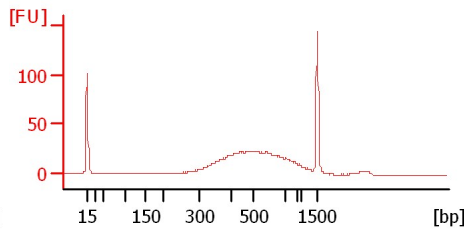
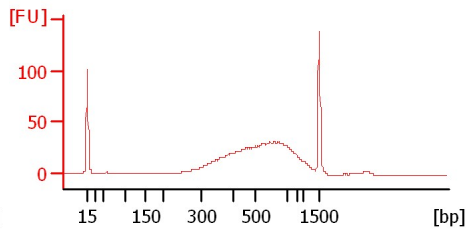
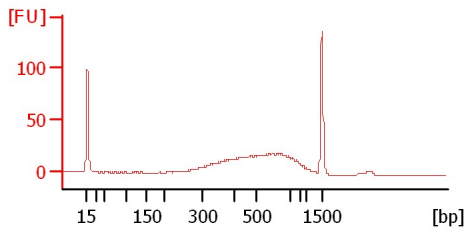
Kursus 2019 library 18



Kursus 2019 library 19

Kursus 2019 library 20

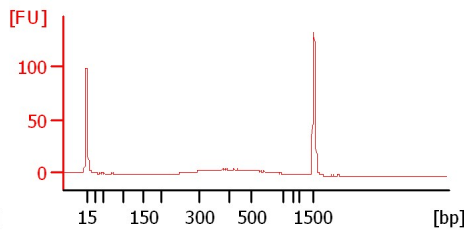
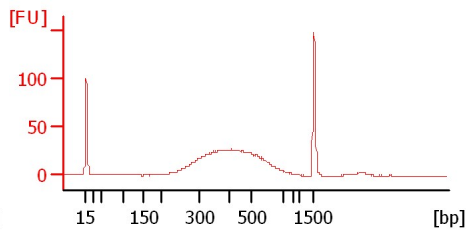
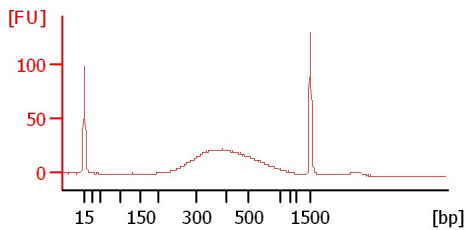
Kursus 2019 library 21



Kursus 2019 library 22

Kursus 2019 library 23

Kursus 2019 library 24



Assay Class: DNA 1000  
 Data Path: C:\...-20\2100 expert\_DNA 1000\_DE34903050\_2019-09-20\_12-43-20.xad

Created: 9/20/2019 12:43:19 PM  
 Modified: 9/20/2019 1:25:08 PM

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

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
Kursus 2019 library 13		<input type="checkbox"/>		✓		
Kursus 2019 library 14		<input type="checkbox"/>		✓		
Kursus 2019 library 15		<input type="checkbox"/>		✓		
Kursus 2019 library 16		<input type="checkbox"/>		✓		
Kursus 2019 library 17		<input type="checkbox"/>		✓		
Kursus 2019 library 18		<input type="checkbox"/>		✓		
Kursus 2019 library 19		<input type="checkbox"/>		✓		
Kursus 2019 library 20		<input type="checkbox"/>		✓		
Kursus 2019 library 21		<input type="checkbox"/>		✓		
Kursus 2019 library 22		<input type="checkbox"/>		✓		
Kursus 2019 library 23		<input type="checkbox"/>		✓		
Kursus 2019 library 24		<input type="checkbox"/>		✓		
Ladder		<input type="checkbox"/>		✓		

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: DNA 1000  
Data Path: C:\...-20\2100 expert\_DNA 1000\_DE34903050\_2019-09-20\_12-43-20.xad

Created: 9/20/2019 12:43:19 PM  
Modified: 9/20/2019 1:25:08 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

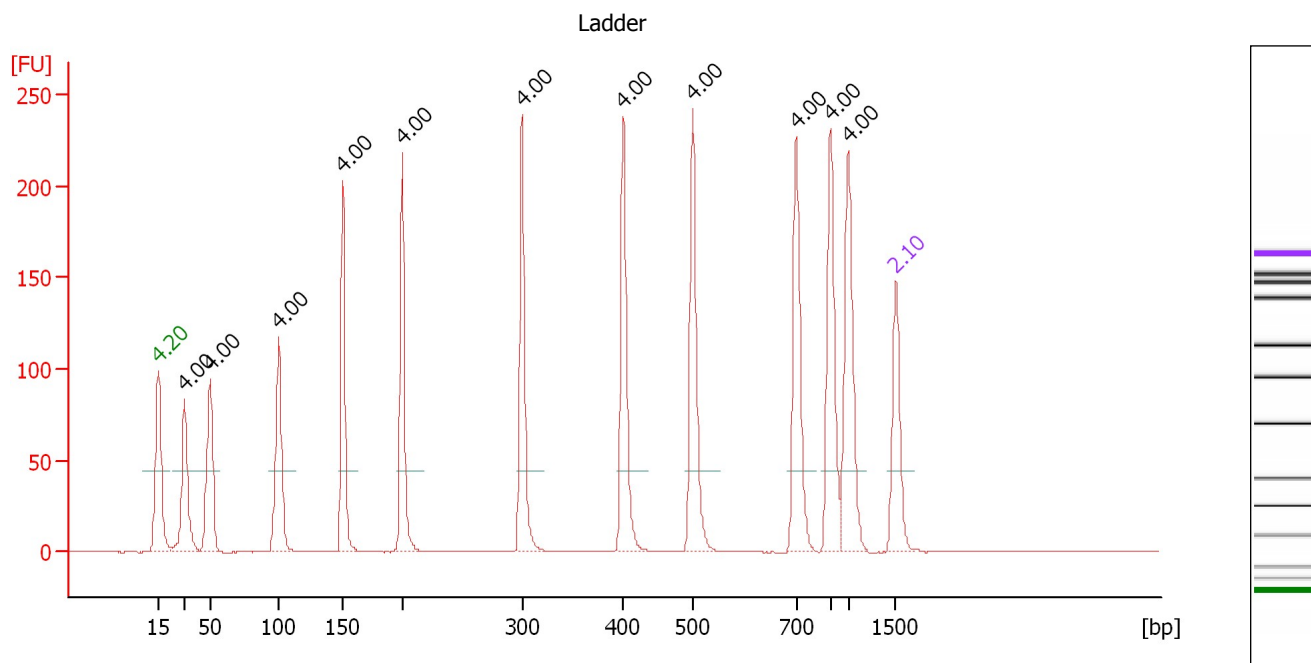
### Ladder

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:\...-20\2100 expert\_DNA 1000\_DE34903050\_2019-09-20\_12-43-20.xad

Created: 9/20/2019 12:43:19 PM  
 Modified: 9/20/2019 1:25:08 PM

**Electropherogram Summary**



**Peak table for Ladder**

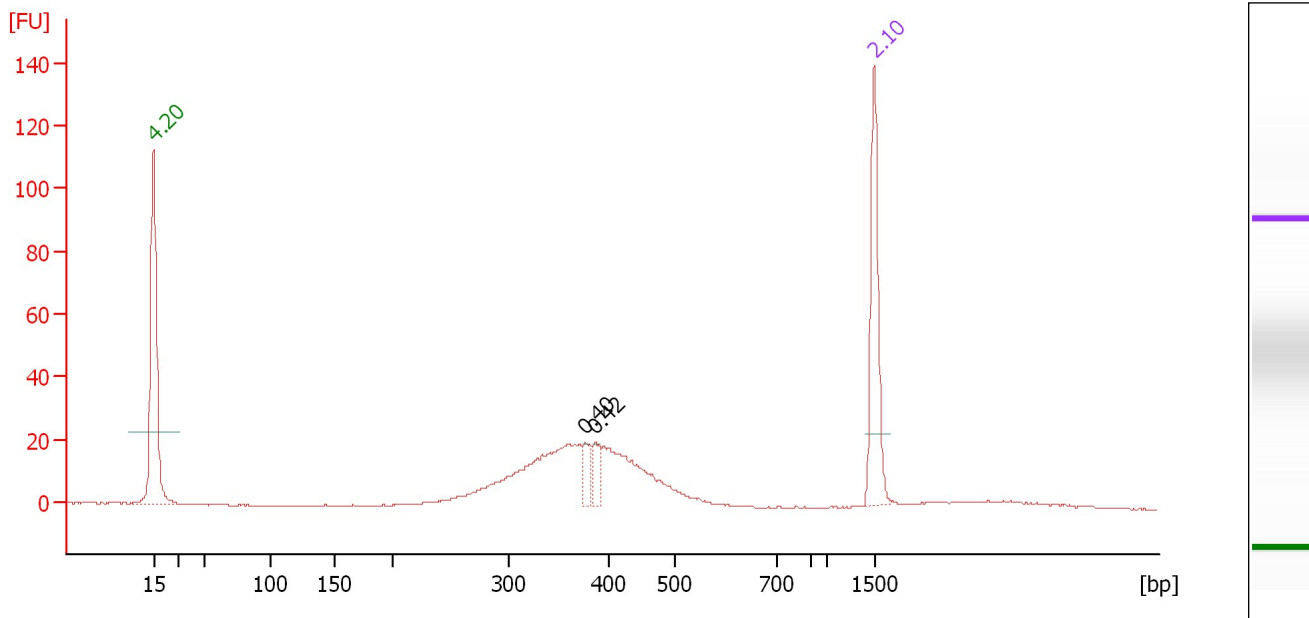
Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations	Peak Height
1	15	4.20	424.2	Lower Marker	99.2
2	25	4.00	242.4	Ladder Peak	83.2
3	50	4.00	121.2	Ladder Peak	94.4
4	100	4.00	60.6	Ladder Peak	117.3
5	150	4.00	40.4	Ladder Peak	203.2
6	200	4.00	30.3	Ladder Peak	218.5
7	300	4.00	20.2	Ladder Peak	239.3
8	400	4.00	15.2	Ladder Peak	238.4
9	500	4.00	12.1	Ladder Peak	242.5
10	700	4.00	8.7	Ladder Peak	227.1
11	850	4.00	7.1	Ladder Peak	230.9
12	1,000	4.00	6.1	Ladder Peak	219.6
13	1,500	2.10	2.1	Upper Marker	147.5

Assay Class: DNA 1000  
 Data Path: C:\...-20\2100 expert\_DNA 1000\_DE34903050\_2019-09-20\_12-43-20.xad

Created: 9/20/2019 12:43:19 PM  
 Modified: 9/20/2019 1:25:08 PM

**Electropherogram Summary Continued ...**

Kursus 2019 library 13



**Overall Results for sample 1 : Kursus 2019 library 13**

Number of peaks found: 2

**Peak table for sample 1 : Kursus 2019 library 13**

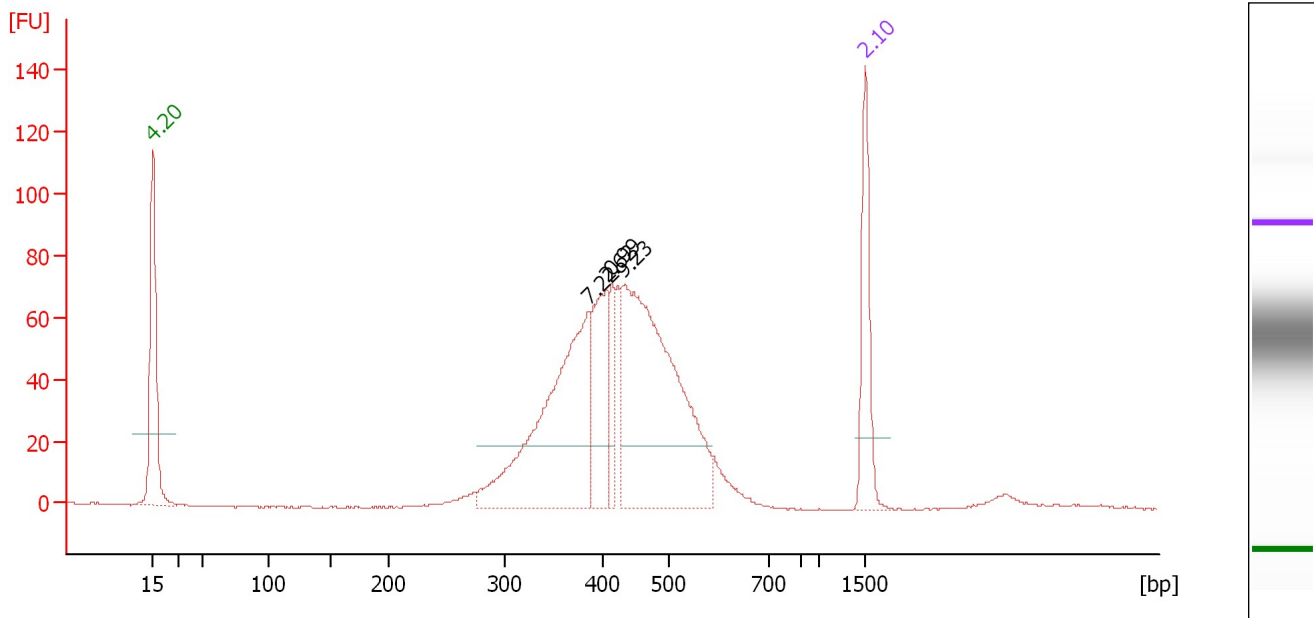
Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations	Peak Height
1	15	4.20	424.2	Lower Marker	113.1
2	377	0.40	1.6		20.5
3	387	0.42	1.6		20.7
4	1,500	2.10	2.1	Upper Marker	140.3

Assay Class: DNA 1000  
 Data Path: C:\...-20\2100 expert\_DNA 1000\_DE34903050\_2019-09-20\_12-43-20.xad

Created: 9/20/2019 12:43:19 PM  
 Modified: 9/20/2019 1:25:08 PM

**Electropherogram Summary Continued ...**

Kursus 2019 library 14



**Overall Results for sample 2 : Kursus 2019 library 14**

Number of peaks found: 4

**Peak table for sample 2 : Kursus 2019 library 14**

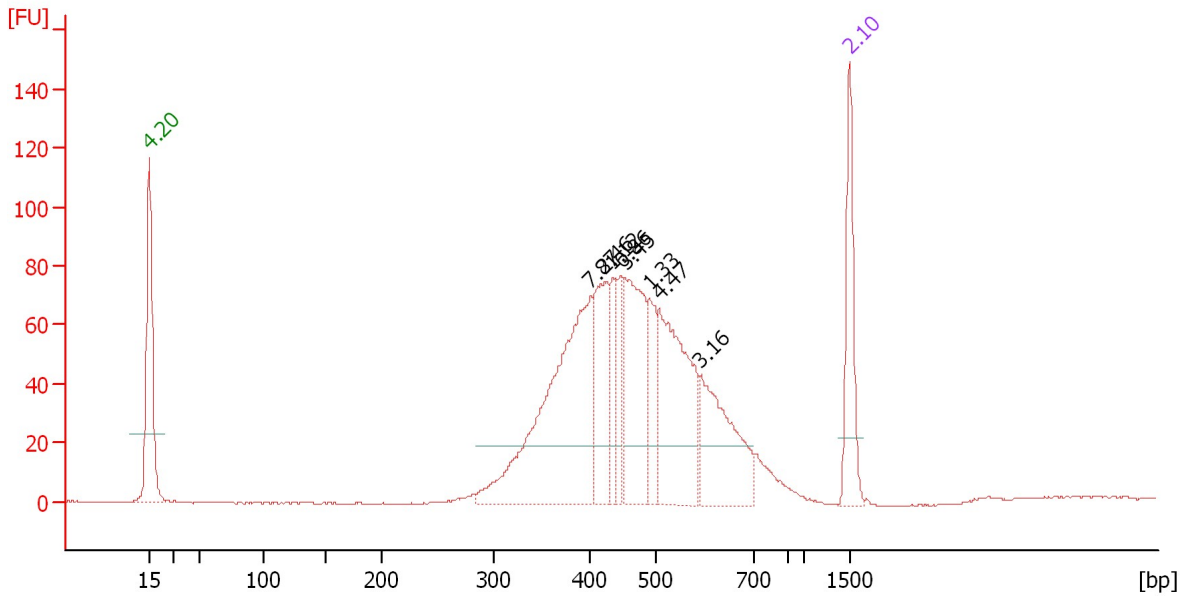
Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations	Peak Height
1	15	4.20	424.2	Lower Marker	115.0
2	385	7.22	28.4		63.7
3	406	2.62	9.8		70.7
4	414	0.99	3.6		72.8
5	431	9.23	32.5		72.2
6	1,500	2.10	2.1	Upper Marker	143.9

Assay Class: DNA 1000  
 Data Path: C:\...-20\2100 expert\_DNA 1000\_DE34903050\_2019-09-20\_12-43-20.xad

Created: 9/20/2019 12:43:19 PM  
 Modified: 9/20/2019 1:25:08 PM

**Electropherogram Summary Continued ...**

Kursus 2019 library 15



**Overall Results for sample 3 : Kursus 2019 library 15**

Number of peaks found: 8

**Peak table for sample 3 : Kursus 2019 library 15**

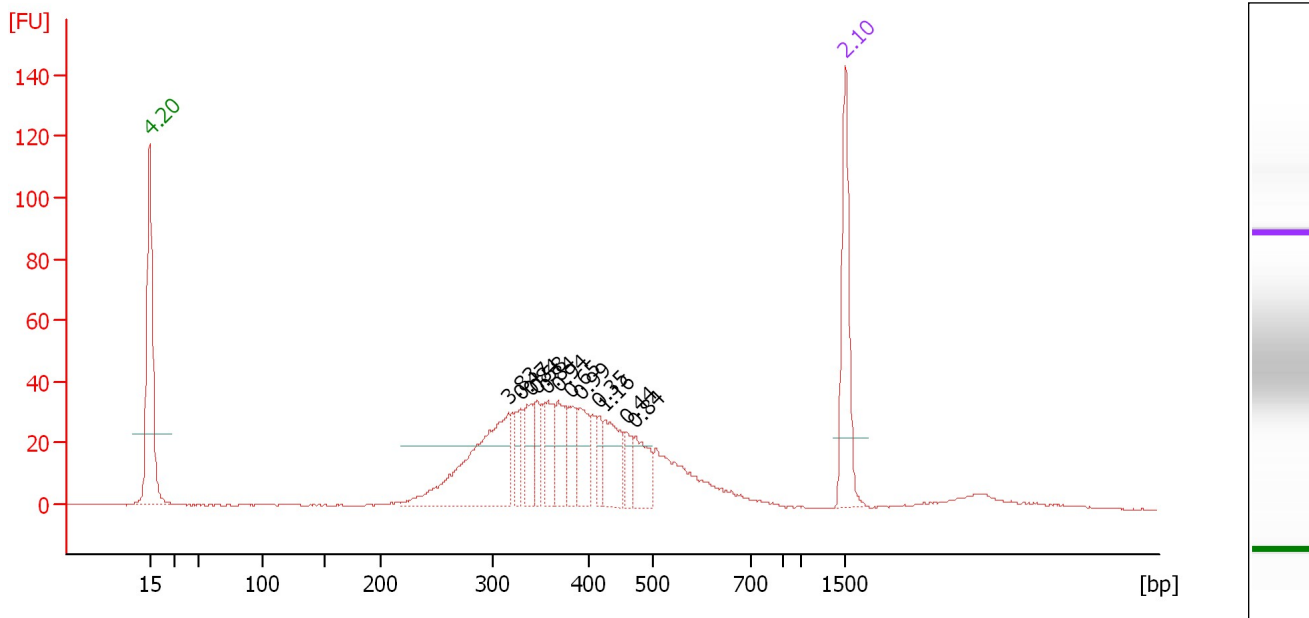
Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations	Peak Height
1	15	4.20	424.2	Lower Marker	116.7
2	399	7.87	29.9		71.1
3	421	2.46	8.9		75.7
4	434	1.12	3.9		76.8
5	446	0.86	2.9		77.6
6	452	3.45	11.6		77.2
7	489	1.33	4.1		70.0
8	506	4.47	13.4		67.0
9	589	3.16	8.1		43.7
10	1,500	2.10	2.1	Upper Marker	151.0

Assay Class: DNA 1000  
 Data Path: C:\...-20\2100 expert\_DNA 1000\_DE34903050\_2019-09-20\_12-43-20.xad

Created: 9/20/2019 12:43:19 PM  
 Modified: 9/20/2019 1:25:08 PM

**Electropherogram Summary Continued ...**

Kursus 2019 library 16



**Overall Results for sample 4 : Kursus 2019 library 16**

Number of peaks found: 12

**Peak table for sample 4 : Kursus 2019 library 16**

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations	Peak Height
1	15	4.20	424.2	Lower Marker	117.6
2	316	3.83	18.4		30.9
3	330	0.47	2.2		32.0
4	341	0.84	3.8		33.9
5	346	0.58	2.6		34.4
6	357	0.84	3.5		34.2
7	368	0.94	3.9		34.7
8	382	0.65	2.6		32.8
9	392	0.99	3.8		32.5
10	417	0.35	1.3		29.9
11	425	1.16	4.1		28.7
12	458	0.44	1.4		24.7
13	473	0.84	2.7		23.4
14	1,500	2.10	2.1	Upper Marker	144.5

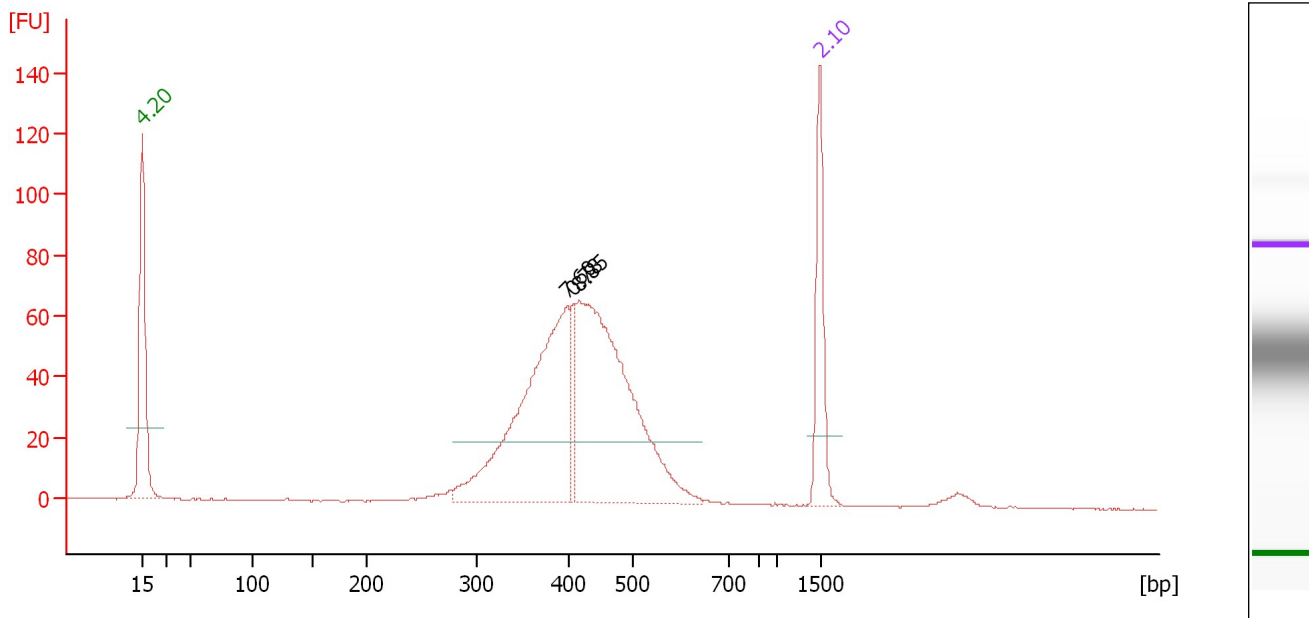


Assay Class: DNA 1000  
 Data Path: C:\...-20\2100 expert\_DNA 1000\_DE34903050\_2019-09-20\_12-43-20.xad

Created: 9/20/2019 12:43:19 PM  
 Modified: 9/20/2019 1:25:08 PM

**Electropherogram Summary Continued ...**

Kursus 2019 library 17



**Overall Results for sample 5 : Kursus 2019 library 17**

Number of peaks found: 3

**Peak table for sample 5 : Kursus 2019 library 17**

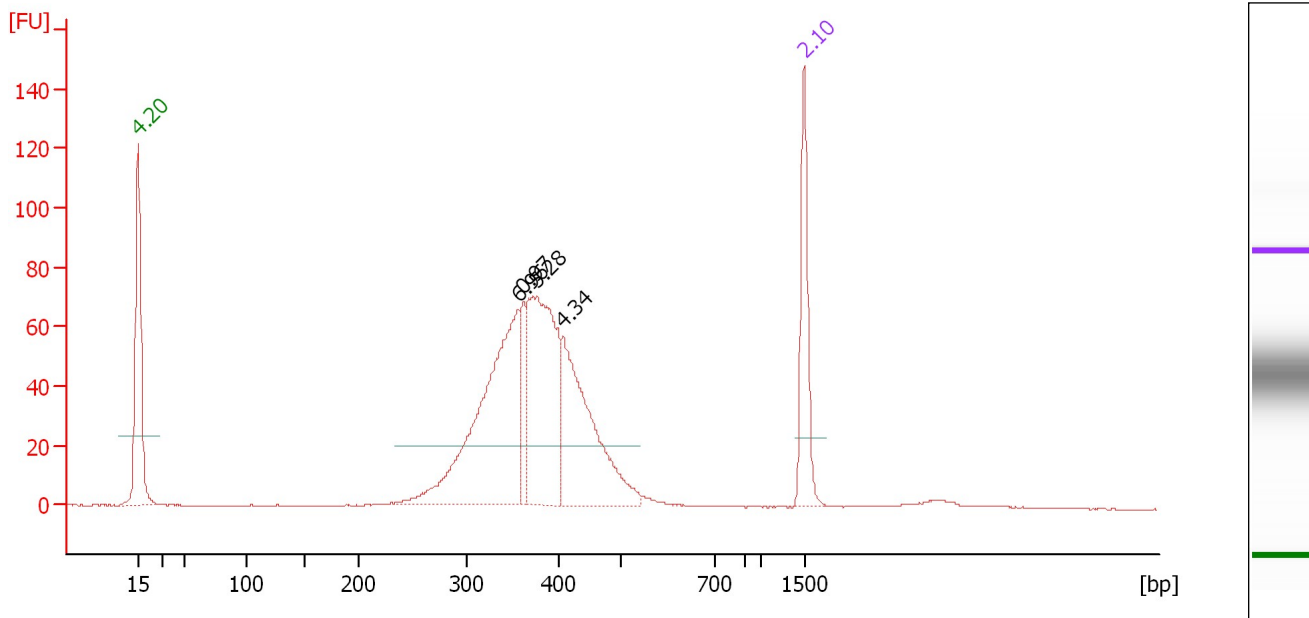
Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations	Peak Height
1	15	4.20	424.2	Lower Marker	120.4
2	398	7.60	29.0		64.5
3	406	0.78	2.9		65.3
4	415	8.85	32.3		66.7
5	1,500	2.10	2.1	Upper Marker	145.1

Assay Class: DNA 1000  
 Data Path: C:\...-20\2100 expert\_DNA 1000\_DE34903050\_2019-09-20\_12-43-20.xad

Created: 9/20/2019 12:43:19 PM  
 Modified: 9/20/2019 1:25:08 PM

**Electropherogram Summary Continued ...**

Kursus 2019 library 18



**Overall Results for sample 6 : Kursus 2019 library 18**

Number of peaks found: 4

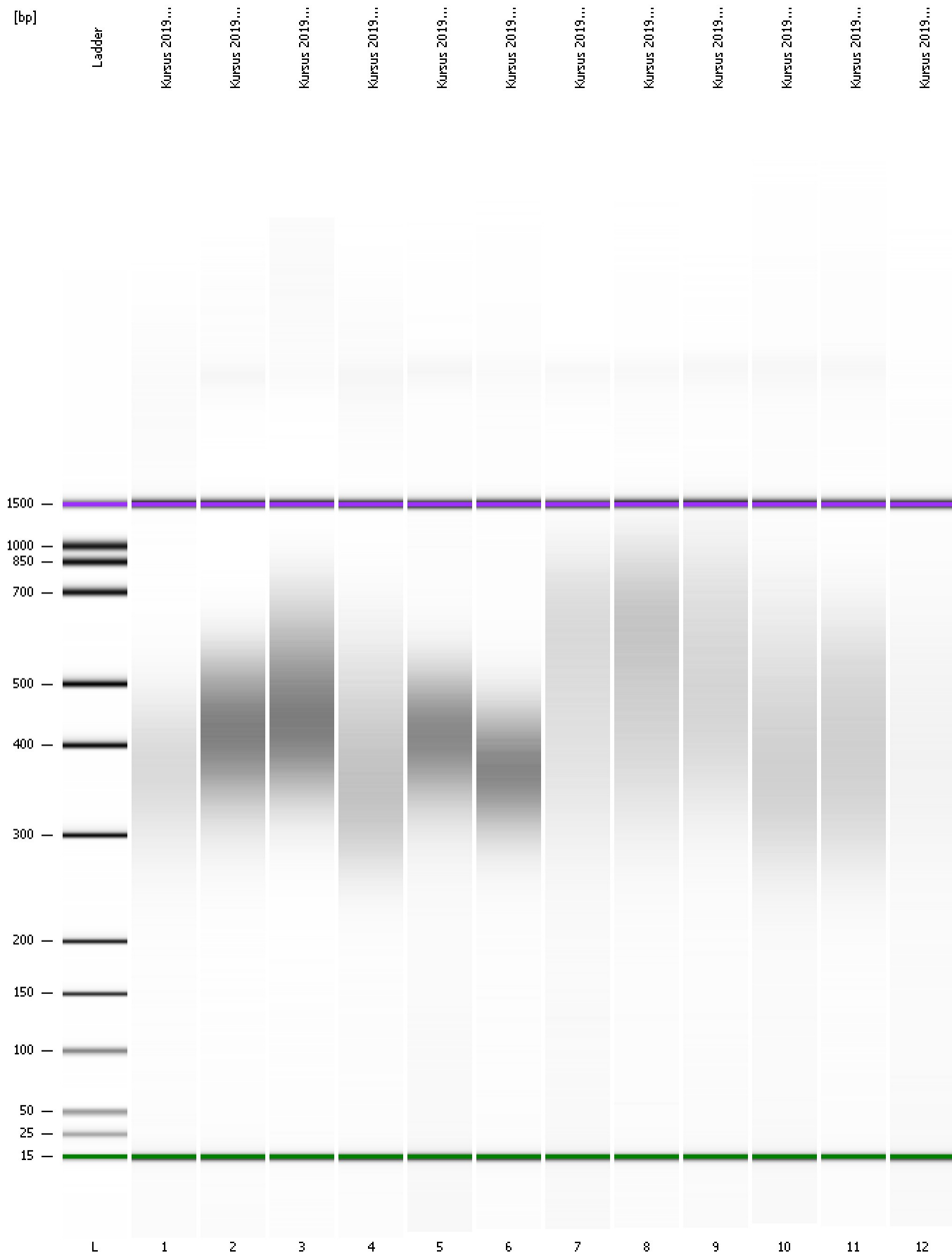
**Peak table for sample 6 : Kursus 2019 library 18**

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations	Peak Height
1	15	4.20	424.2	Lower Marker	121.3
2	356	6.96	29.6		65.5
3	362	0.97	4.0		68.4
4	377	5.28	21.2		70.5
5	408	4.34	16.1		57.2
6	1,500	2.10	2.1	Upper Marker	148.4

Assay Class: DNA 1000  
Data Path: C:\...-20\2100 expert\_DNA 1000\_DE34903050\_2019-09-20\_12-43-20.xad

Created: 9/20/2019 12:43:19 PM  
Modified: 9/20/2019 1:25:08 PM

Gel Image



Assay Class: DNA 1000 Created: 9/20/2019 12:43:19 PM  
 Data Path: C:\...-20\2100 expert\_DNA 1000\_DE34903050\_2019-09-20\_12-43-20.xad Modified: 9/20/2019 1:25:08 PM

**Run Logbook**

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 2 (Number of wells acquired: 13)		Instrument	Run		9/20/2019 1:25:05 PM	(GMT +02:00) Romance Standard Time	Lab	W-LAB02
Run started on port 2 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\Data\2019-09-20\2100 expert_DNA 1000_DE34903050_2019-09-20_12-43-20.xad )		Instrument	Run		9/20/2019 12:43:25 PM	(GMT +02:00) Romance Standard Time	Lab	W-LAB02
Product Number : G2938C		Instrument	Run		9/20/2019 12:43:25 PM	(GMT +02:00) Romance Standard Time	Lab	W-LAB02
Name : G2938CDE34903050		Instrument	Run		9/20/2019 12:43:25 PM	(GMT +02:00) Romance Standard Time	Lab	W-LAB02
Vendor : Agilent Technologies		Instrument	Run		9/20/2019 12:43:25 PM	(GMT +02:00) Romance Standard Time	Lab	W-LAB02
Serial# : DE34903050		Instrument	Run		9/20/2019 12:43:25 PM	(GMT +02:00) Romance Standard Time	Lab	W-LAB02
Firmware : C.01.069		Instrument	Run		9/20/2019 12:43:25 PM	(GMT +02:00) Romance Standard Time	Lab	W-LAB02
Cartridge : Electrode		Instrument	Run		9/20/2019 12:43:25 PM	(GMT +02:00) Romance Standard Time	Lab	W-LAB02