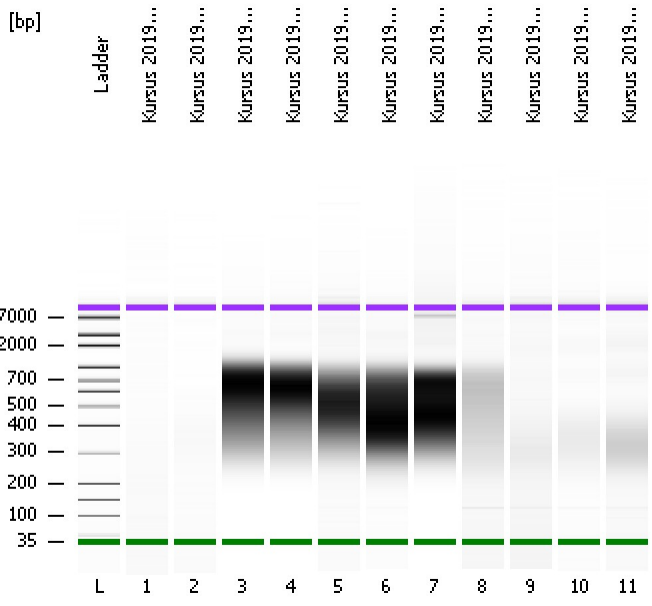


Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...gh Sensitivity DNA Assay\_DE72901621\_2019-09-23\_09-04-16.xad

Created: 9/23/2019 9:04:16 AM  
 Modified: 9/23/2019 10:24:09 AM

**Electrophoresis File Run Summary**



Instrument Information:

Instrument Name: DE72901621      Firmware: C.01.069  
 Serial#: DE72901621      Type: G2939A

Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\dsDNA\High Sensitivity DNA.xsy  
 Assay Class: High Sensitivity DNA Assay  
 Version: 1.03  
 Assay Comments: Copyright © 2003-2010 Agilent Technologies

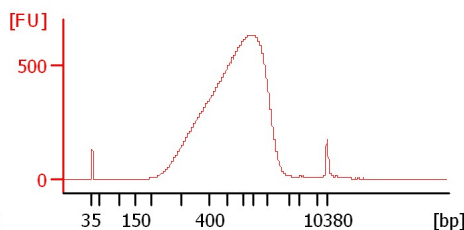
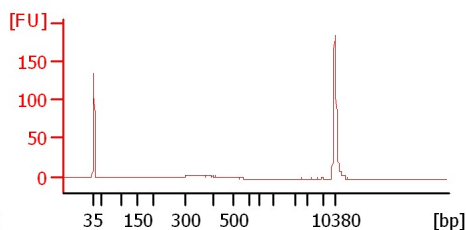
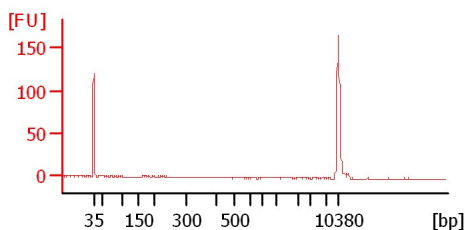
Chip Information:

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

**Kursus 2019 library 30**

**Kursus 2019 library 31**

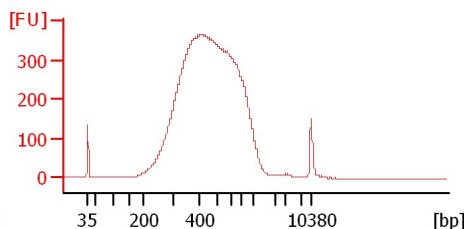
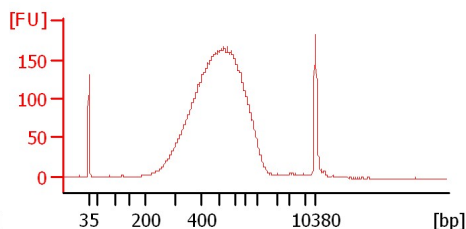
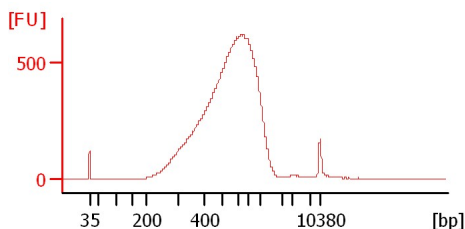
**Kursus 2019 library 32**



**Kursus 2019 library 33**

**Kursus 2019 library 34**

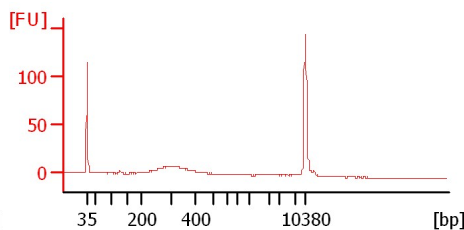
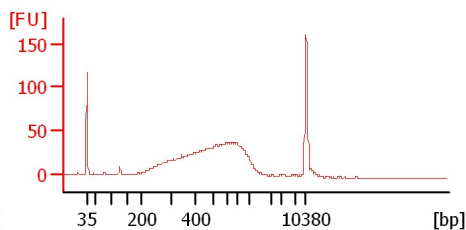
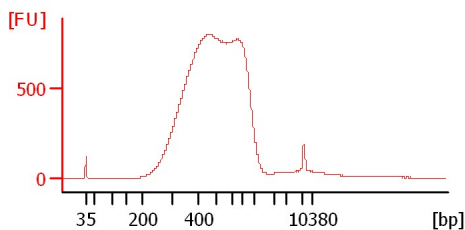
**Kursus 2019 library 35**



**Kursus 2019 library 36**

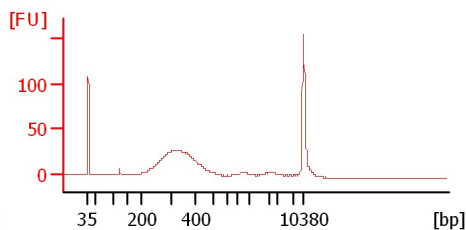
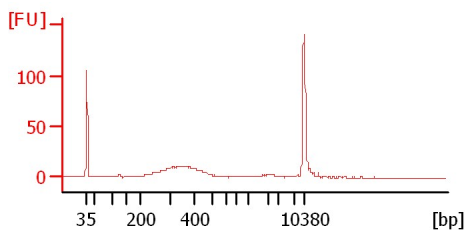
**Kursus 2019 library 37**

**Kursus 2019 library 38**



**Kursus 2019 library 39**

**Kursus 2019 library 40**



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...gh Sensitivity DNA Assay\_DE72901621\_2019-09-23\_09-04-16.xad

Created: 9/23/2019 9:04:16 AM  
 Modified: 9/23/2019 10:24:09 AM

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

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
Kursus 2019 library 30		<input type="checkbox"/>		✓		
Kursus 2019 library 31		<input type="checkbox"/>		✓		
Kursus 2019 library 32		<input type="checkbox"/>		✓		
Kursus 2019 library 33		<input type="checkbox"/>		✓		
Kursus 2019 library 34		<input type="checkbox"/>		✓		
Kursus 2019 library 35		<input type="checkbox"/>		✓		
Kursus 2019 library 36		<input type="checkbox"/>		✓		
Kursus 2019 library 37		<input type="checkbox"/>		✓		
Kursus 2019 library 38		<input type="checkbox"/>		✓		
Kursus 2019 library 39		<input type="checkbox"/>		✓		
Kursus 2019 library 40		<input type="checkbox"/>		✓		
Ladder		<input type="checkbox"/>		✓		

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...gh Sensitivity DNA Assay\_DE72901621\_2019-09-23\_09-04-16.xad

Created: 9/23/2019 9:04:16 AM  
Modified: 9/23/2019 10:24:09 AM

## Electrophoresis Assay Details

### General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 12  
Minimum Visible Range [s] : 32  
Maximum Visible Range [s] : 138  
Start Analysis Time Range [s] : 33  
End Analysis Time Range [s] : 137.5  
Ladder Concentration [pg/ $\mu$ l] : 1950  
Uses Standard Area for Ladder Fragments  
Lower Marker Concentration [pg/ $\mu$ l] : 125  
Upper Marker Concentration [pg/ $\mu$ l] : 75  
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] : 33.05  
Integration End Time [s] : 137  
Slope Threshold : 0.8  
Height Threshold [FU] : 5  
Area Threshold : 0.1  
Width Threshold [s] : 0.6  
Baseline Plateau [s] : 0.5

### Filter Settings

Filter Width [s] : 0.5  
Polynomial Order : 4

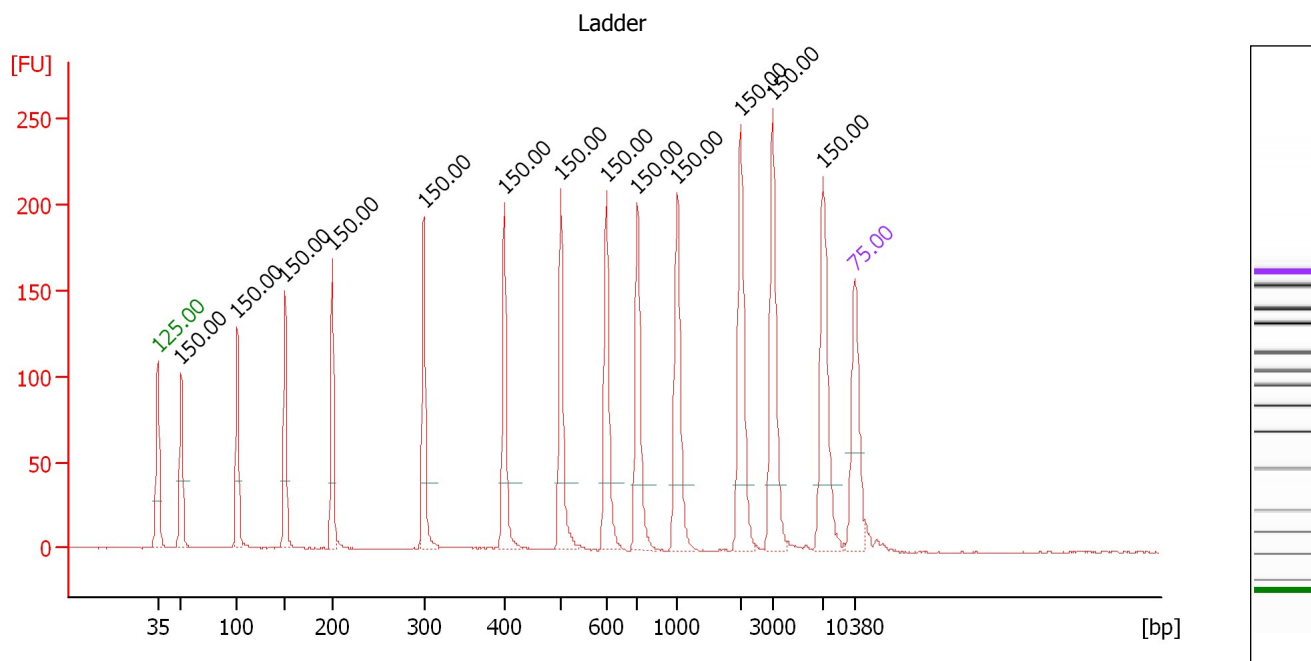
### Ladder

Ladder Peak	Size	Area
1	35	160
2	50	210
3	100	208
4	150	221
5	200	242
6	300	270
7	400	305
8	500	306
9	600	336
10	700	321
11	1000	366
12	2000	413
13	3000	411
14	7000	400
15	10380	214

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...gh Sensitivity DNA Assay\_DE72901621\_2019-09-23\_09-04-16.xad

Created: 9/23/2019 9:04:16 AM  
 Modified: 9/23/2019 10:24:09 AM

**Electropherogram Summary**



**Overall Results for Ladder**

Noise: 0.3

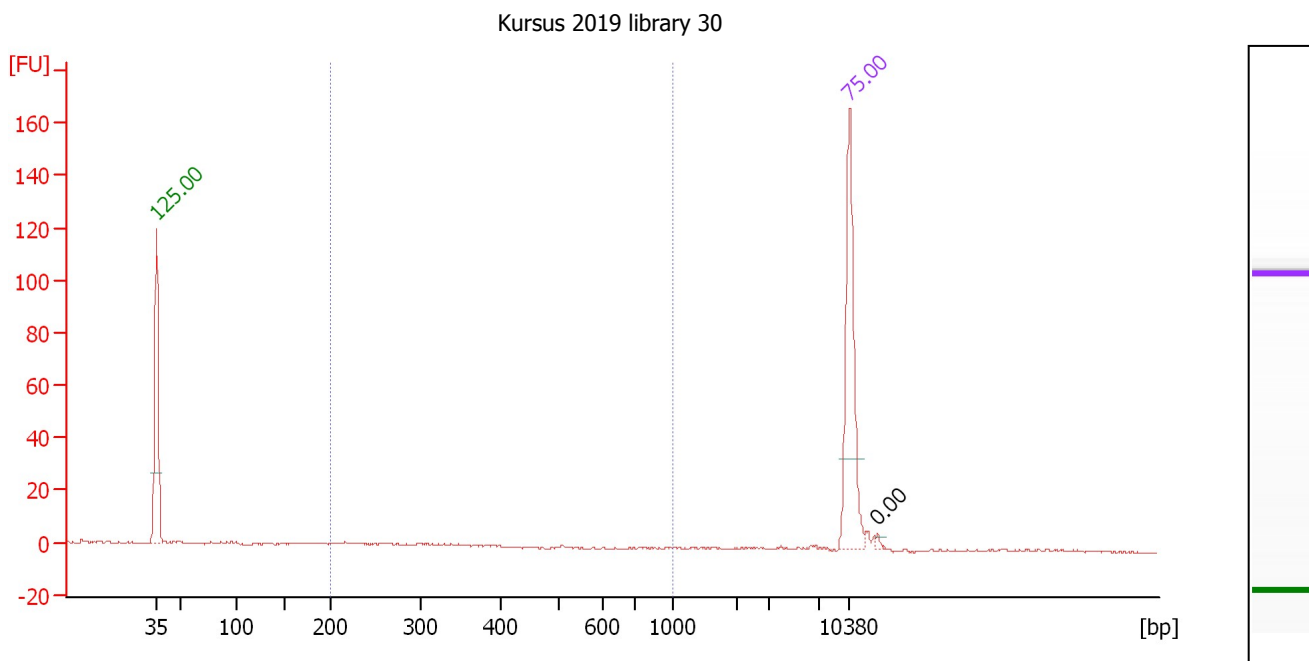
**Peak table for Ladder**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	50	150.00	4,545.5	Ladder Peak
3	100	150.00	2,272.7	Ladder Peak
4	150	150.00	1,515.2	Ladder Peak
5	200	150.00	1,136.4	Ladder Peak
6	300	150.00	757.6	Ladder Peak
7	400	150.00	568.2	Ladder Peak
8	500	150.00	454.5	Ladder Peak
9	600	150.00	378.8	Ladder Peak
10	700	150.00	324.7	Ladder Peak
11	1,000	150.00	227.3	Ladder Peak
12	2,000	150.00	113.6	Ladder Peak
13	3,000	150.00	75.8	Ladder Peak
14	7,000	150.00	32.5	Ladder Peak
15	10,380	75.00	10.9	Upper Marker

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...gh Sensitivity DNA Assay\_DE72901621\_2019-09-23\_09-04-16.xad

Created: 9/23/2019 9:04:16 AM  
 Modified: 9/23/2019 10:24:09 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : Kursus 2019 library 30**

Number of peaks found: 1                      Corr. Area 1: 17.5  
 Noise: 0.4

**Peak table for sample 1 : Kursus 2019 library 30**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	10,380	75.00	10.9	Upper Marker
3	13,443	0.00	0.0	

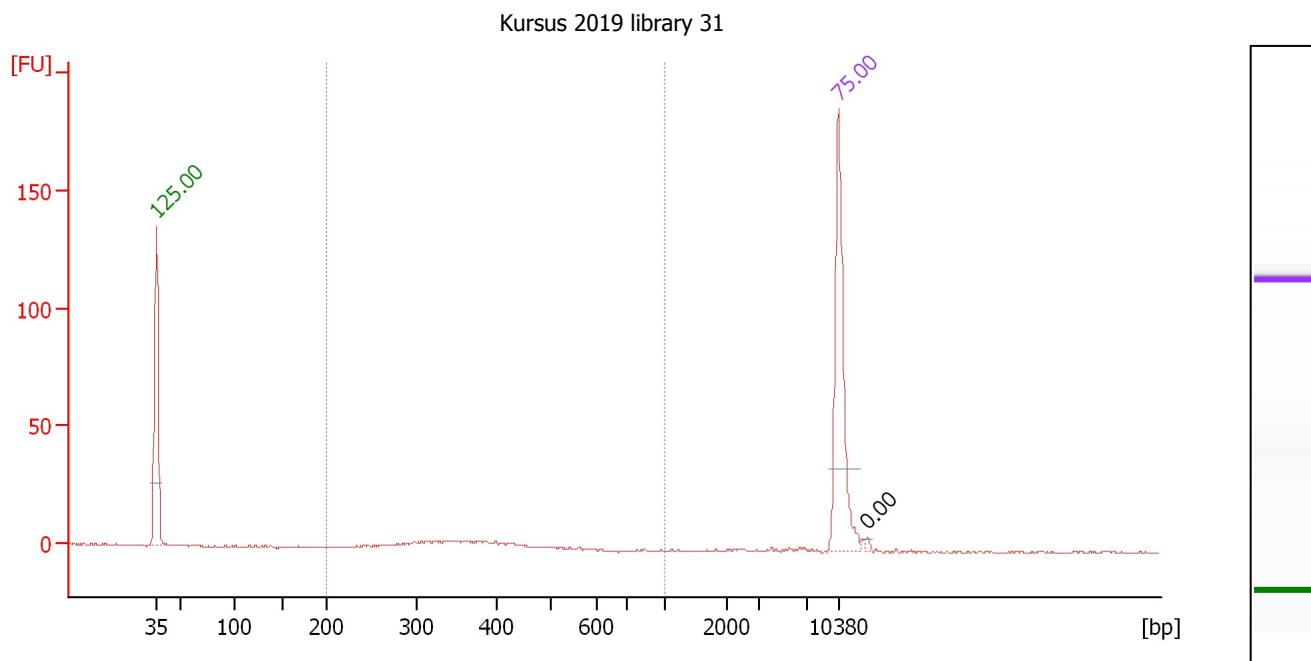
**Region table for sample 1 : Kursus 2019 library 30**

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	17.5	29	310	39.4	14.76	80.4	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...gh Sensitivity DNA Assay\_DE72901621\_2019-09-23\_09-04-16.xad

Created: 9/23/2019 9:04:16 AM  
 Modified: 9/23/2019 10:24:09 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : Kursus 2019 library 31**

Number of peaks found: 1                      Corr. Area 1: 44.9  
 Noise: 0.4

**Peak table for sample 2 : Kursus 2019 library 31**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	10,380	75.00	10.9	Upper Marker
3	13,435	0.00	0.0	

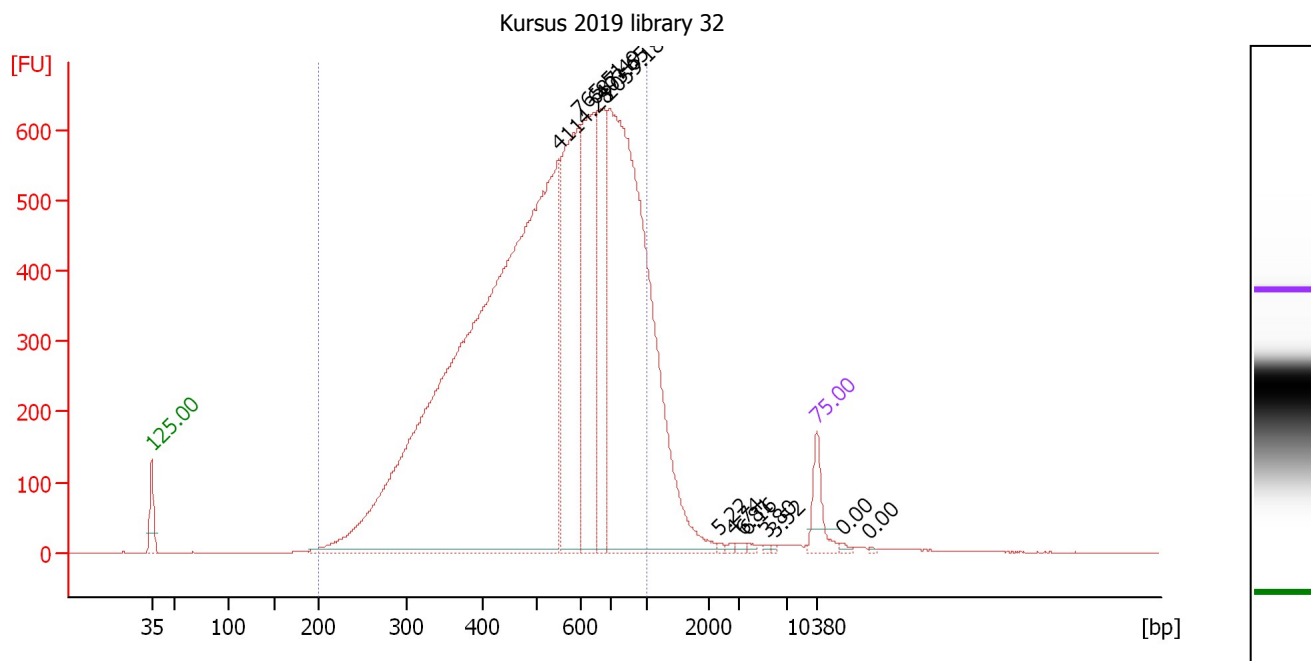
**Region table for sample 2 : Kursus 2019 library 31**

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	44.9	77	358	16.7	30.82	135.5	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...gh Sensitivity DNA Assay\_DE72901621\_2019-09-23\_09-04-16.xad

Created: 9/23/2019 9:04:16 AM  
 Modified: 9/23/2019 10:24:09 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : Kursus 2019 library 32**

Number of peaks found: 13                      Corr. Area 1: 13,840.1  
 Noise: 0.4

**Peak table for sample 3 : Kursus 2019 library 32**

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	550	4,114.28	11,336.0	
3	599	765.51	1,937.2	
4	646	687.49	1,611.7	
5	677	403.65	903.1	
6	698	2,059.18	4,470.9	
7	2,320	5.22	3.4	
8	2,793	4.74	2.6	
9	3,292	6.81	3.1	
10	3,681	6.16	2.5	
11	5,410	3.80	1.1	
12	5,971	3.52	0.9	
13	10,380	75.00	10.9	Upper Marker
14	13,284	0.00	0.0	
15	16,303	0.00	0.0	

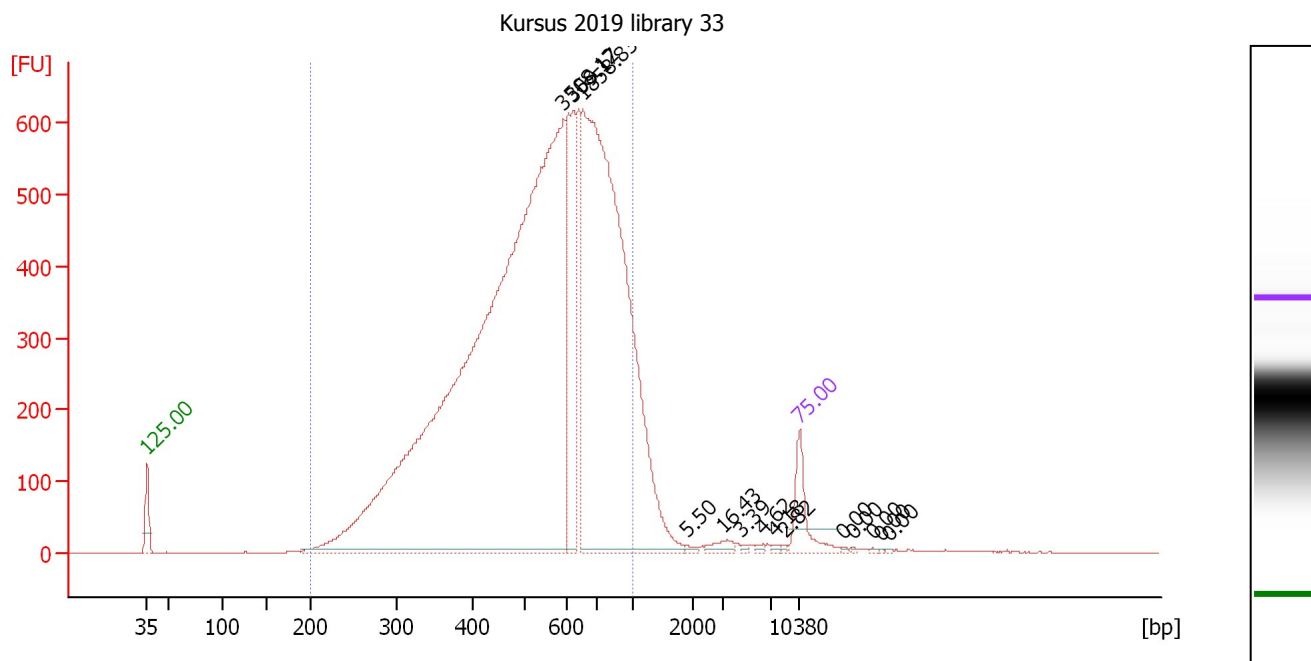
**Region table for sample 3 : Kursus 2019 library 32**

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/µl]	Molarity [pmol/l]	Color
200	1,000	13,840.1	92	556	32.0	8,186.89	26,012.9	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...gh Sensitivity DNA Assay\_DE72901621\_2019-09-23\_09-04-16.xad

Created: 9/23/2019 9:04:16 AM  
 Modified: 9/23/2019 10:24:09 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : Kursus 2019 library 33**

Number of peaks found: 14                      Corr. Area 1: 12,321.2  
 Noise: 0.3

**Peak table for sample 4 : Kursus 2019 library 33**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	591	3,508.12	8,997.1	
3	620	359.17	877.8	
4	653	1,858.83	4,311.5	
5	1,879	5.50	4.4	
6	2,999	16.43	8.3	
7	4,583	3.39	1.1	
8	6,389	4.62	1.1	
9	7,480	4.18	0.8	
10	8,605	2.82	0.5	
11	10,380	75.00	10.9	Upper Marker
12	15,469	0.00	0.0	
13	16,534	0.00	0.0	
14	18,724	0.00	0.0	
15	19,789	0.00	0.0	
16	20,558	0.00	0.0	

**Region table for sample 4 : Kursus 2019 library 33**

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	12,321.2	94	560	30.5	6,238.68	19,498.6	Blue

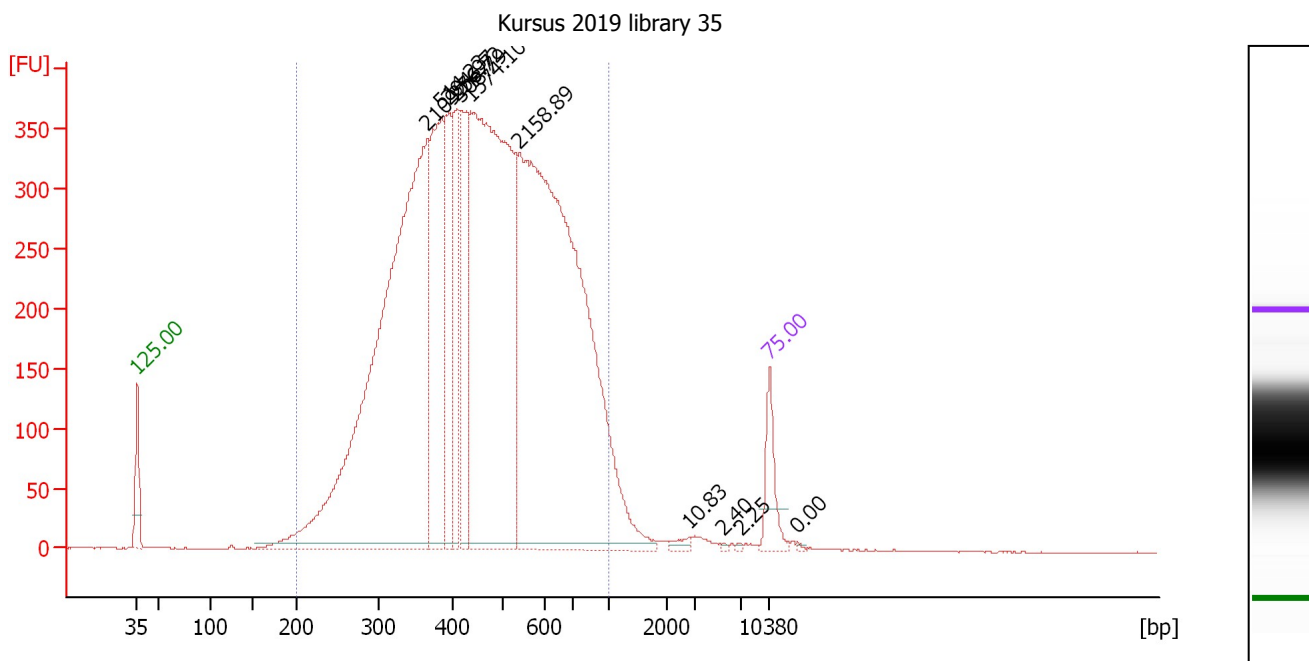




Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...gh Sensitivity DNA Assay\_DE72901621\_2019-09-23\_09-04-16.xad

Created: 9/23/2019 9:04:16 AM  
 Modified: 9/23/2019 10:24:09 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : Kursus 2019 library 35**

Number of peaks found: 11                      Corr. Area 1: 10,127.3  
 Noise: 0.4

**Peak table for sample 6 : Kursus 2019 library 35**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	367	2,109.76	8,718.8	
3	386	514.23	2,020.1	
4	396	294.97	1,129.8	
5	409	256.72	951.6	
6	419	308.79	1,117.3	
7	437	1,574.10	5,460.7	
8	536	2,158.89	6,102.1	
9	2,778	10.83	5.9	
10	5,429	2.40	0.7	
11	6,928	2.25	0.5	
12	10,380	75.00	10.9	Upper Marker
13	13,613	0.00	0.0	

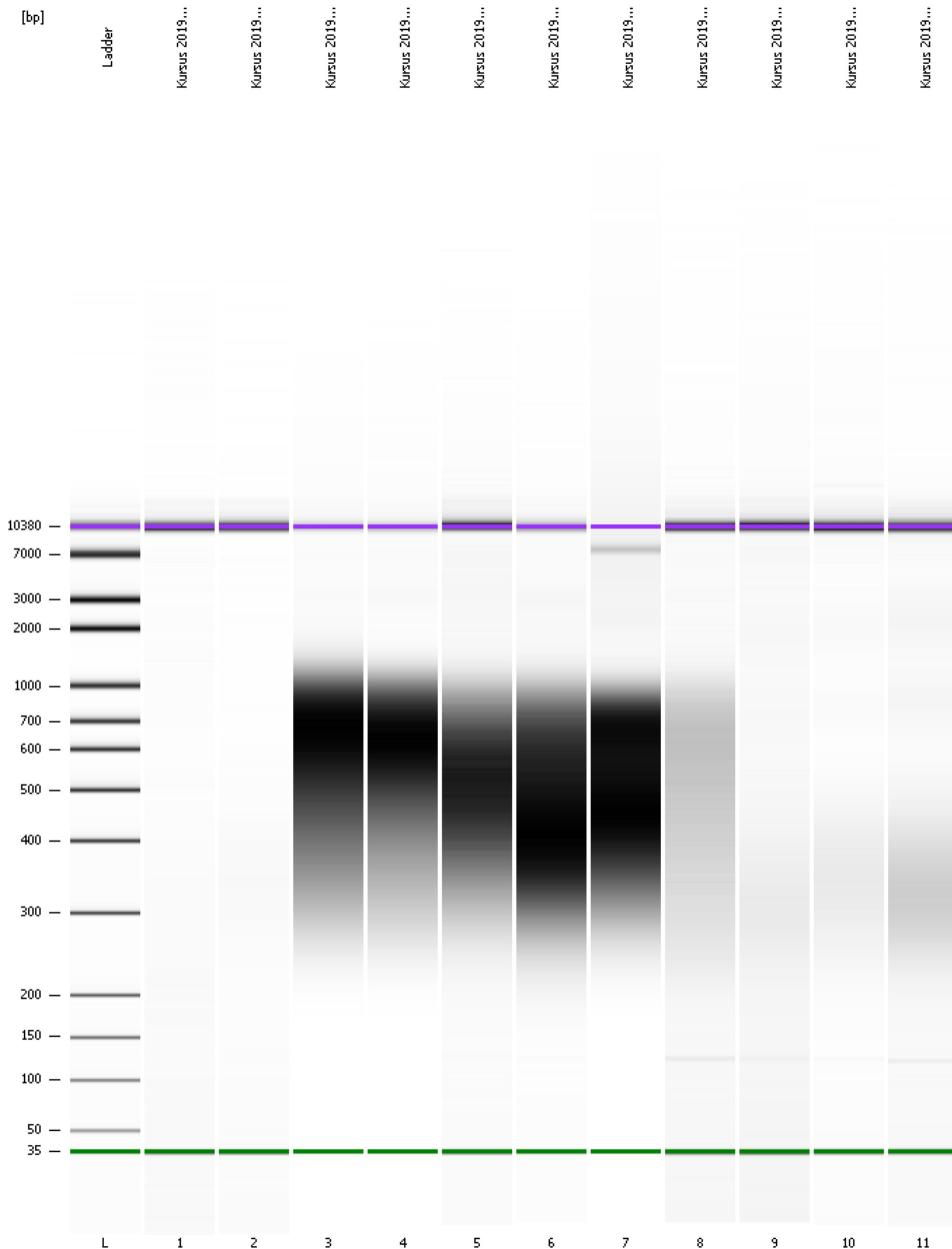
**Region table for sample 6 : Kursus 2019 library 35**

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	10,127.3	97	481	32.5	7,147.59	25,877.6	Blue

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...gh Sensitivity DNA Assay\_DE72901621\_2019-09-23\_09-04-16.xad

Created: 9/23/2019 9:04:16 AM  
Modified: 9/23/2019 10:24:09 AM

Gel Image



Assay Class: High Sensitivity DNA Assay Created: 9/23/2019 9:04:16 AM  
 Data Path: C:\...gh Sensitivity DNA Assay\_DE72901621\_2019-09-23\_09-04-16.xad Modified: 9/23/2019 10:24:09 AM

**Run Logbook**

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 12)		Instrument	Run		9/23/2019 10:24:06 AM	(GMT +02:00) Romance Standard Time	Lab	W-LAB02
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\Data\2019-09-23\2100 expert_High Sensitivity DNA Assay_DE72901621_2019-09-23_09-04-16.xad )		Instrument	Run		9/23/2019 9:04:31 AM	(GMT +02:00) Romance Standard Time	Lab	W-LAB02
Product Number : G2939A		Instrument	Run		9/23/2019 9:04:31 AM	(GMT +02:00) Romance Standard Time	Lab	W-LAB02
Name :		Instrument	Run		9/23/2019 9:04:31 AM	(GMT +02:00) Romance Standard Time	Lab	W-LAB02
Vendor : Agilent Technologies		Instrument	Run		9/23/2019 9:04:31 AM	(GMT +02:00) Romance Standard Time	Lab	W-LAB02
Serial# : DE72901621		Instrument	Run		9/23/2019 9:04:31 AM	(GMT +02:00) Romance Standard Time	Lab	W-LAB02
Firmware : C.01.069		Instrument	Run		9/23/2019 9:04:31 AM	(GMT +02:00) Romance Standard Time	Lab	W-LAB02
Cartridge : Electrode		Instrument	Run		9/23/2019 9:04:31 AM	(GMT +02:00) Romance Standard Time	Lab	W-LAB02