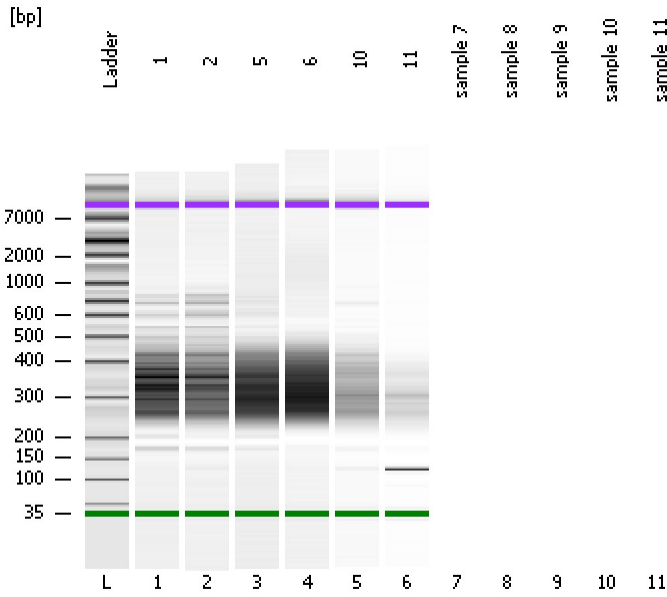


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-26\2014-06-26_006.xad

Created: 6/26/2014 4:34:53 PM
Modified: 6/26/2014 5:03:17 PM

Electrophoresis File Run Summary



Instrument Information:

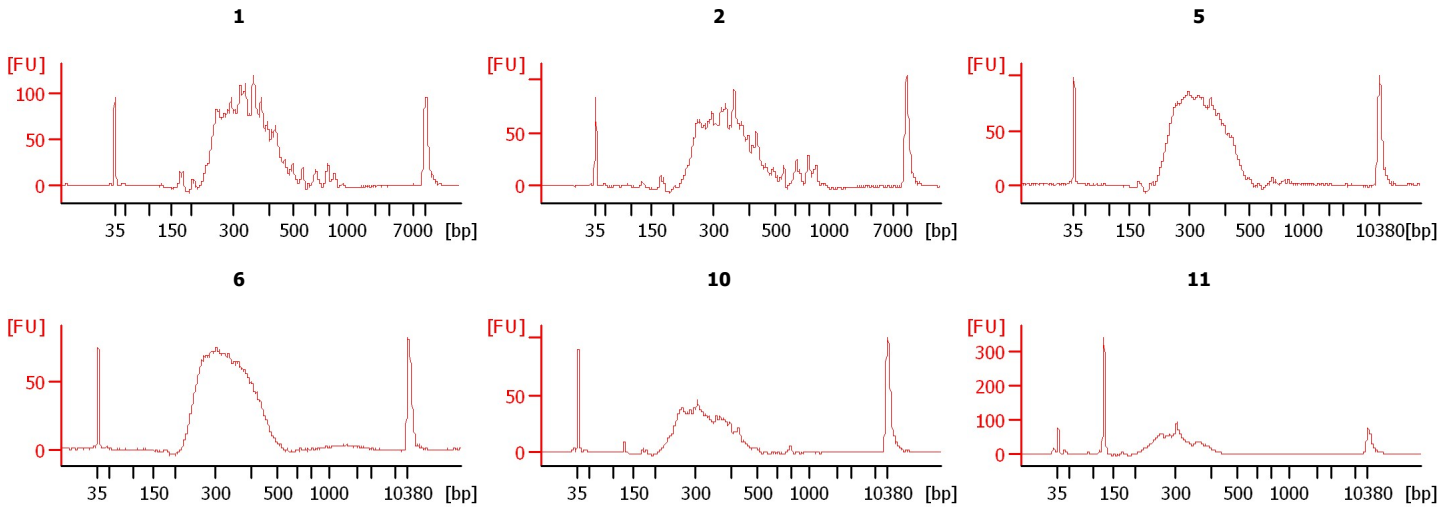
Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

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:



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-26\2014-06-26_006.xad

Created: 6/26/2014 4:34:53 PM
 Modified: 6/26/2014 5:03:17 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
1		<input type="checkbox"/>	✓			
2		<input type="checkbox"/>	✓			
5		<input type="checkbox"/>	✓			
6		<input type="checkbox"/>	✓			
10		<input type="checkbox"/>	✓			
11		<input type="checkbox"/>	✓			
sample 7		<input type="checkbox"/>				
sample 8		<input type="checkbox"/>				
sample 9		<input type="checkbox"/>				
sample 10		<input type="checkbox"/>				
sample 11		<input type="checkbox"/>				
Ladder		<input type="checkbox"/>	✓			

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-26\2014-06-26_006.xad

Created: 6/26/2014 4:34:53 PM
Modified: 6/26/2014 5:03:17 PM

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/μl] : 1950
Uses Standard Area for Ladder Fragments
Lower Marker Concentration [pg/μl] : 125
Upper Marker Concentration [pg/μl] : 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

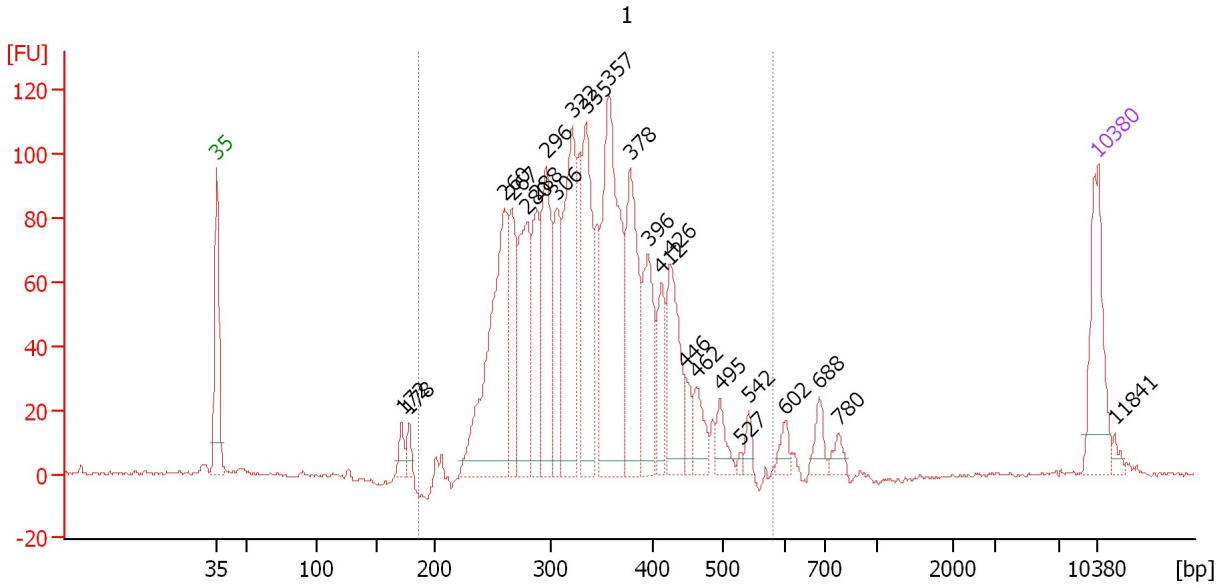
Ladder

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:\... bioanalyzer\2100 expert\Data\2014-06-26\2014-06-26_006.xad

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Electropherogram Summary



Overall Results for sample 1 : 1

Number of peaks found: 24 Corr. Area 1: 1,937.8
 Noise: 0.7

Peak table for sample 1 : 1

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	172	20.27	178.7	
3	178	17.17	146.2	
4	260	290.49	1,692.3	
5	267	103.78	590.0	
6	280	150.85	816.7	
7	288	105.64	555.5	
8	296	153.13	782.6	
9	306	90.86	450.1	
10	322	210.10	989.9	
11	335	160.53	726.8	
12	357	286.69	1,216.3	
13	378	154.90	620.8	
14	396	99.81	382.1	
15	412	55.74	205.0	
16	426	103.32	367.3	
17	446	22.91	77.9	
18	462	39.00	127.9	
19	495	27.14	83.1	
20	527	4.13	11.9	
21	542	13.16	36.8	
22	602	15.62	39.3	
23	688	22.43	49.4	
24	780	13.20	25.6	
25	10,380	75.00	10.9	Upper Marker
26	11,841	0.00	0.0	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-26\2014-06-26_006.xad

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Modified: 6/26/2014 5:03:17 PM

Electropherogram Summary Continued ...

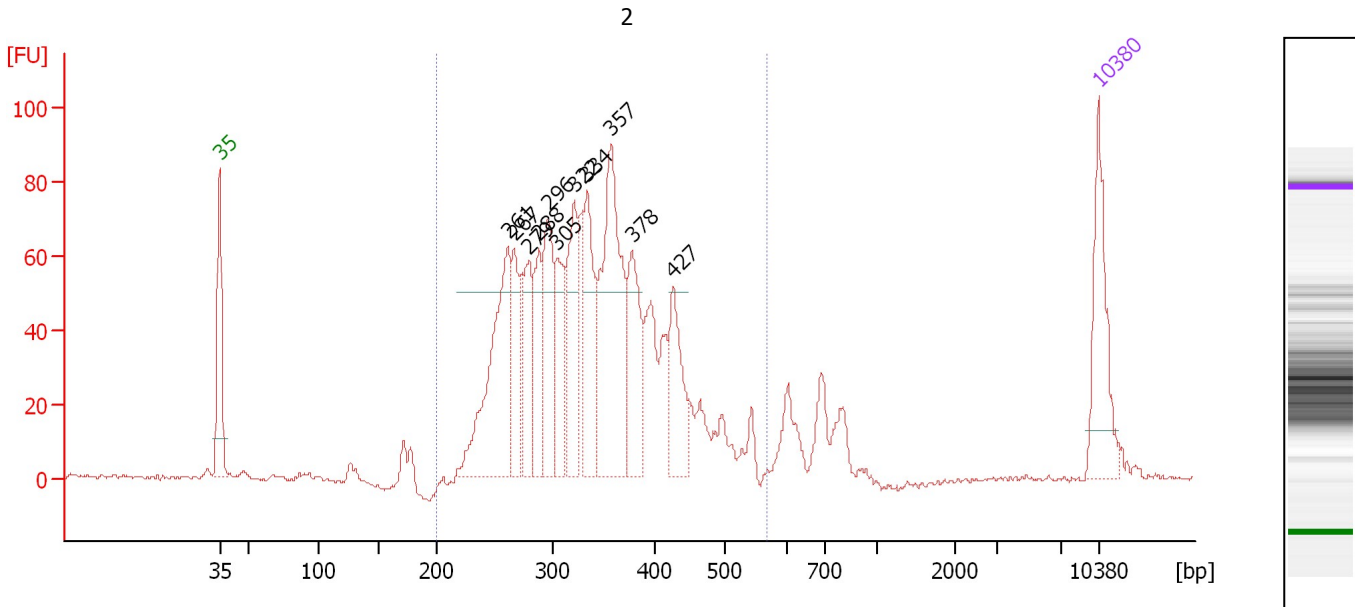
... Region table for sample 1 : 1

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/ μ l]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
186	581	340	10,221.3	2,185.72	 1,937.8	95	18.8

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-26\2014-06-26_006.xad

Created: 6/26/2014 4:34:53 PM
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Electropherogram Summary Continued ...



Setpoint Deviations for sample 2 : 2

Height Threshold [FU] : 50

Overall Results for sample 2 : 2

Number of peaks found: 11 Corr. Area 1: 1,413.0
 Noise: 0.6

Peak table for sample 2 : 2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	261	226.39	1,312.0	
3	267	75.69	430.3	
4	279	79.25	429.7	
5	288	75.98	399.4	
6	296	115.92	593.3	
7	305	81.14	403.2	
8	322	109.14	514.0	
9	334	114.22	518.5	
10	357	238.25	1,010.3	
11	378	104.90	420.2	
12	427	82.12	291.6	
13	10,380	75.00	10.9	Upper Marker

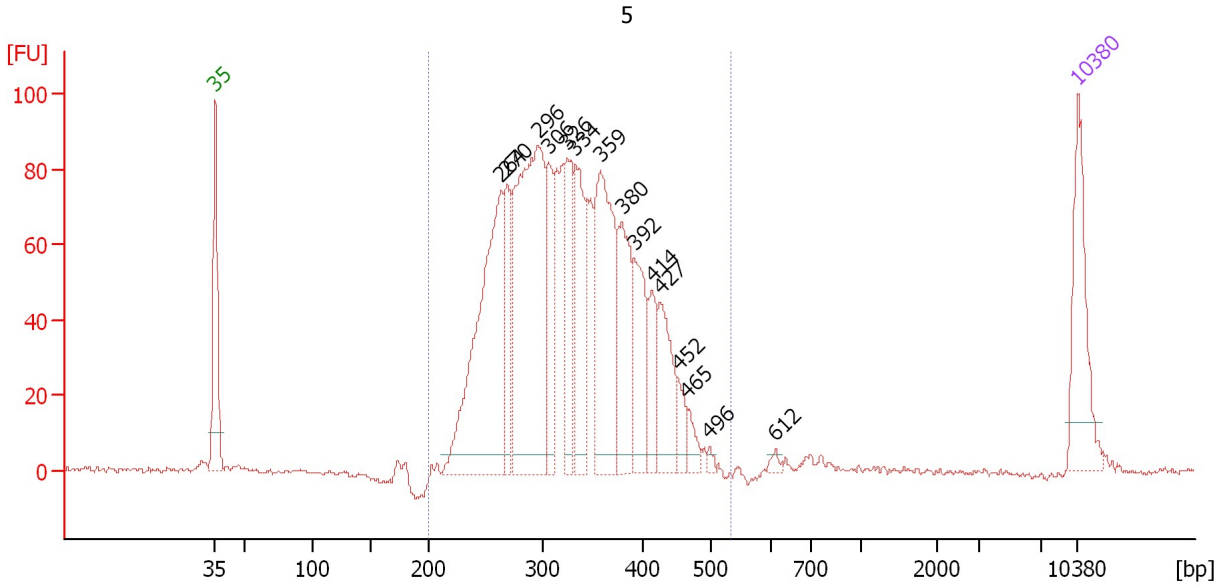
Region table for sample 2 : 2

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
201	569	340	7,411.1	1,582.03	1,412.9	92	19.5

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-26\2014-06-26_006.xad

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Electropherogram Summary Continued ...



Overall Results for sample 3 : 5

Number of peaks found: 15 Corr. Area 1: 1,688.3
 Noise: 0.6

Peak table for sample 3 : 5

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	264	332.71	1,910.4	
3	270	76.21	428.4	
4	296	372.99	1,907.3	
5	306	86.55	428.6	
6	326	100.36	466.9	
7	334	128.24	582.3	
8	359	197.40	833.6	
9	380	111.68	445.1	
10	392	82.86	320.4	
11	414	44.79	163.8	
12	427	77.15	274.0	
13	452	19.94	66.9	
14	465	17.55	57.2	
15	496	4.70	14.3	
16	612	5.08	12.6	
17	10,380	75.00	10.9	Upper Marker

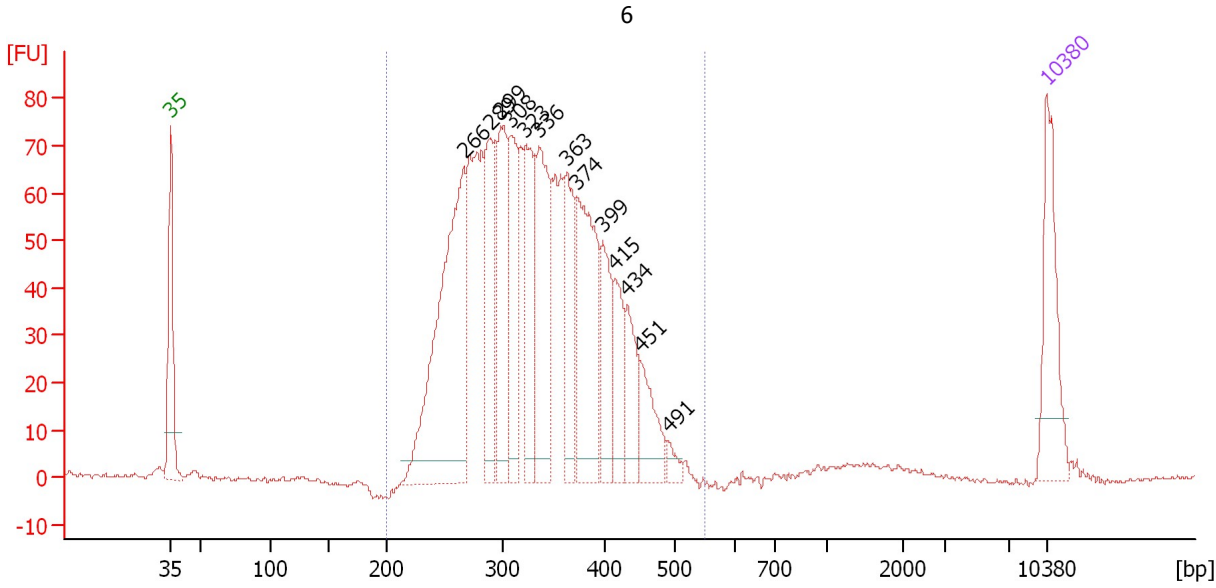
Region table for sample 3 : 5

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
200	532	330	8,684.9	1,811.41	1,688.3	98	17.9

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-26\2014-06-26_006.xad

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Electropherogram Summary Continued ...



Overall Results for sample 4 : 6

Number of peaks found: 13 Corr. Area 1: 1,448.2
 Noise: 0.4

Peak table for sample 4 : 6

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	266	362.15	2,059.6	
3	289	126.78	664.1	
4	299	134.44	681.4	
5	308	121.78	598.7	
6	323	120.49	566.1	
7	336	157.72	711.7	
8	363	102.58	427.8	
9	374	173.91	704.9	
10	399	71.91	272.9	
11	415	60.92	222.2	
12	434	57.06	199.4	
13	451	56.38	189.4	
14	491	12.08	37.2	
15	10,380	75.00	10.9	Upper Marker

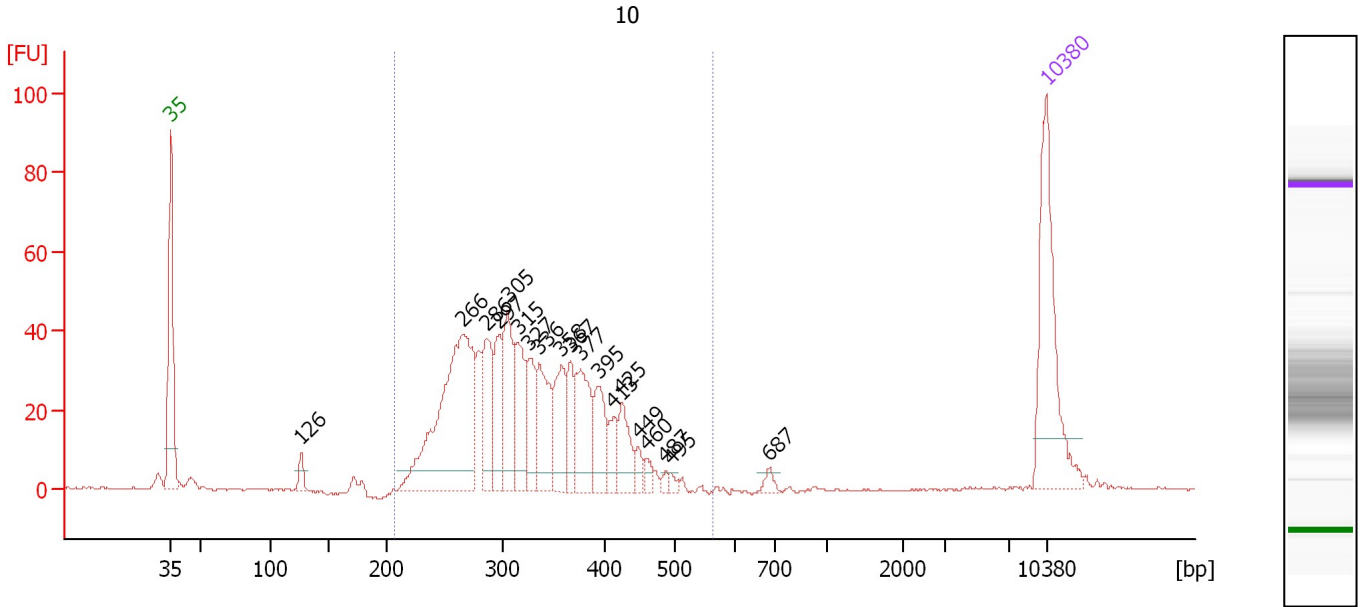
Region table for sample 4 : 6

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
200	551	333	9,115.1	1,916.51	1,448.2	98	18.1

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-26\2014-06-26_006.xad

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Electropherogram Summary Continued ...



Overall Results for sample 5 : 10

Number of peaks found: 19 Corr. Area 1: 747.4
 Noise: 0.3

Peak table for sample 5 : 10

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	126	9.38	112.5	
3	266	201.41	1,148.9	
4	286	49.58	262.3	
5	297	37.47	191.4	
6	305	58.38	289.6	
7	315	47.25	227.0	
8	327	33.81	156.7	
9	336	50.25	226.4	
10	358	41.94	177.4	
11	367	25.88	106.8	
12	377	47.97	192.8	
13	395	32.16	123.3	
14	413	15.87	58.2	
15	425	26.93	96.0	
16	449	7.61	25.7	
17	460	6.33	20.8	
18	487	3.29	10.2	
19	495	3.28	10.1	
20	687	4.89	10.8	
21	10,380	75.00	10.9	Upper Marker

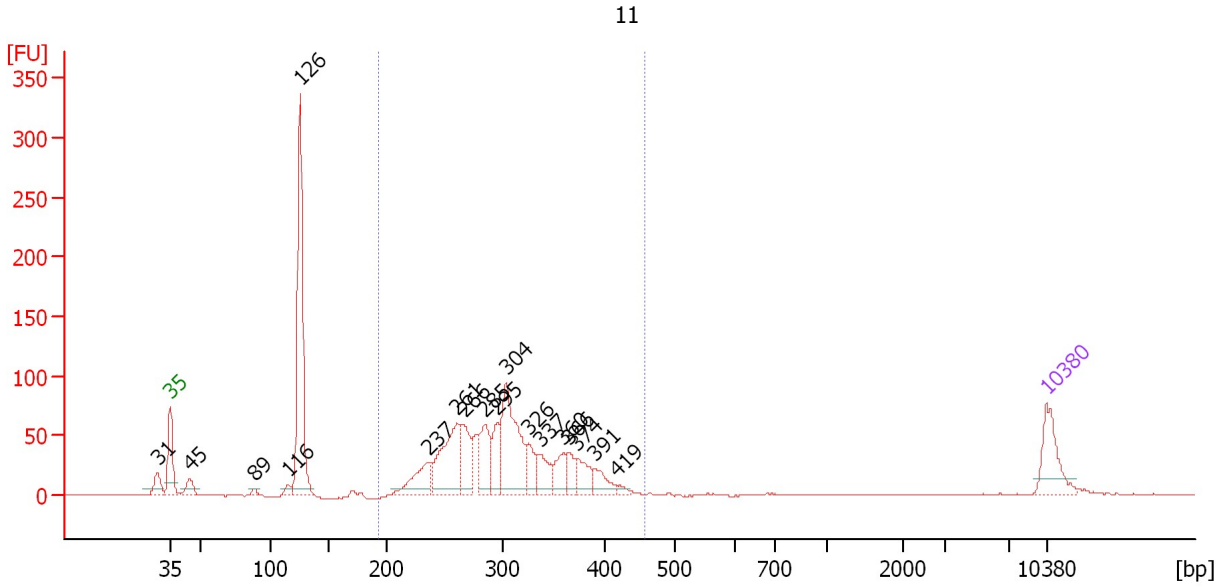
Region table for sample 5 : 10

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
207	564	327	3,454.9	711.81	747.4	95	18.5

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-26\2014-06-26_006.xad

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Electropherogram Summary Continued ...



Overall Results for sample 6 : 11

Number of peaks found: 18 Corr. Area 1: 972.0
 Noise: 0.2

Peak table for sample 6 : 11

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	31	0.00	0.0	
2	35	125.00	5,411.3	Lower Marker
3	45	37.49	1,270.3	
4	89	8.88	151.8	
5	116	16.82	220.4	
6	126	502.22	6,057.4	
7	237	101.29	648.8	
8	261	206.73	1,199.9	
9	266	100.85	573.5	
10	285	109.29	581.0	
11	295	72.03	369.6	
12	304	254.81	1,271.9	
13	326	58.68	272.9	
14	337	62.64	281.3	
15	360	52.70	222.0	
16	366	43.68	180.9	
17	374	53.64	217.6	
18	391	43.21	167.3	
19	419	10.01	36.2	
20	10,380	75.00	10.9	Upper Marker

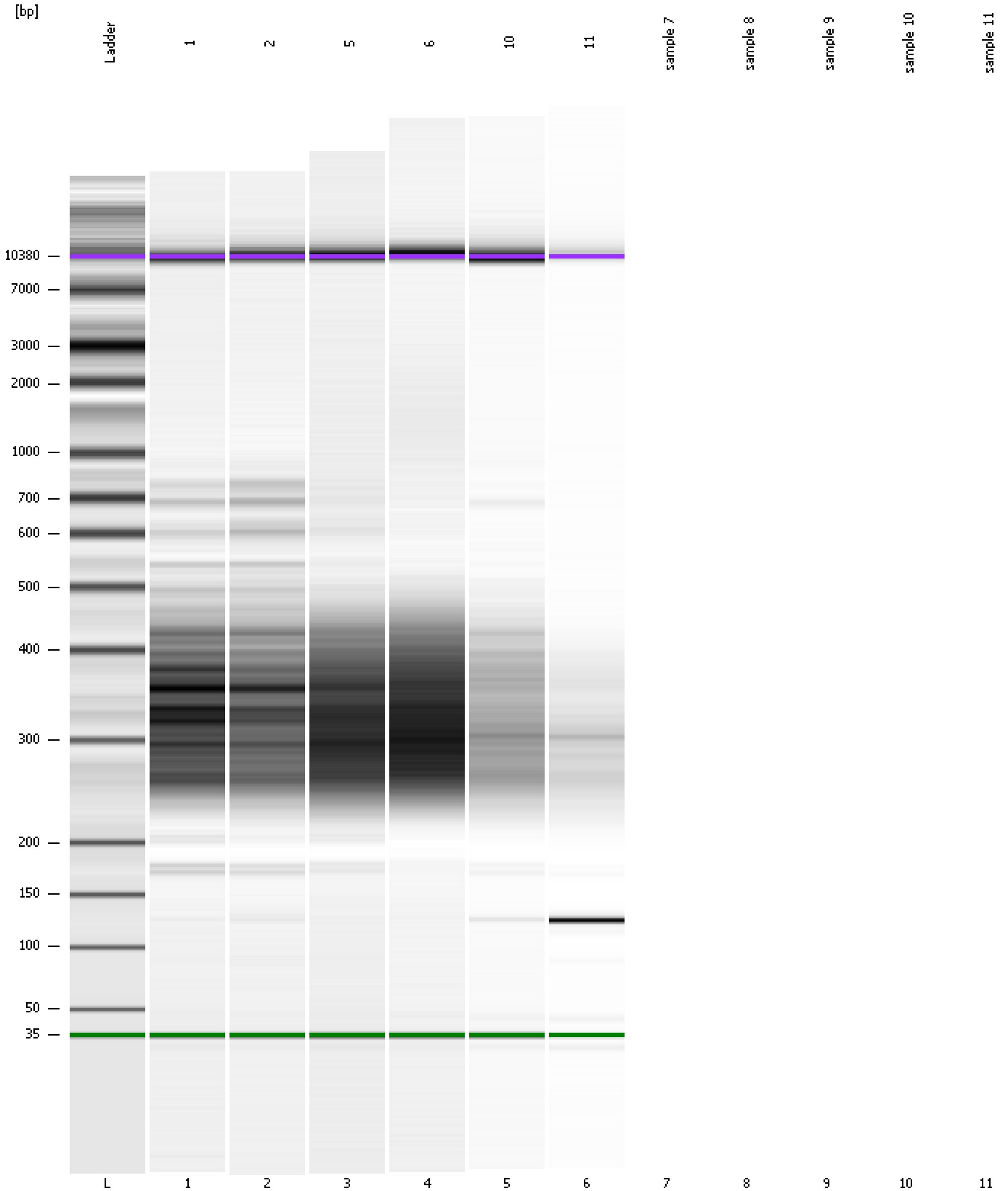
Region table for sample 6 : 11

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
193	457	304	6,246.7	1,218.40	972.0	71	15.9

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-26\2014-06-26_006.xad

Created: 6/26/2014 4:34:53 PM
Modified: 6/26/2014 5:03:17 PM

Gel Image



Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-26\2014-06-26_006.xad

Created: 6/26/2014 4:34:53 PM
Modified: 6/26/2014 5:03:17 PM

Invalid Samples

Sample 7 has not been run, no results available.

Sample 8 has not been run, no results available.

Sample 9 has not been run, no results available.

Sample 10 has not been run, no results available.

Sample 11 has not been run, no results available.