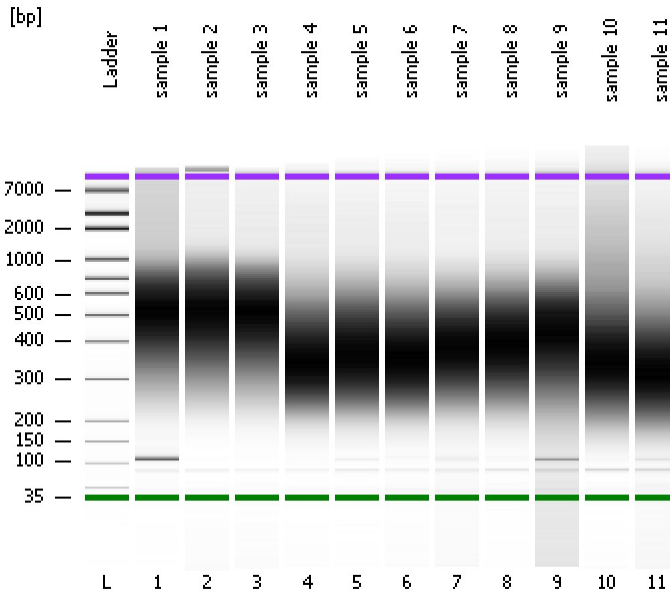


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-16\2016-03-16_002.xad

Created: 3/16/2016 10:55:12 AM
Modified: 3/16/2016 11:37:09 AM

Electrophoresis File Run Summary



Instrument Information:

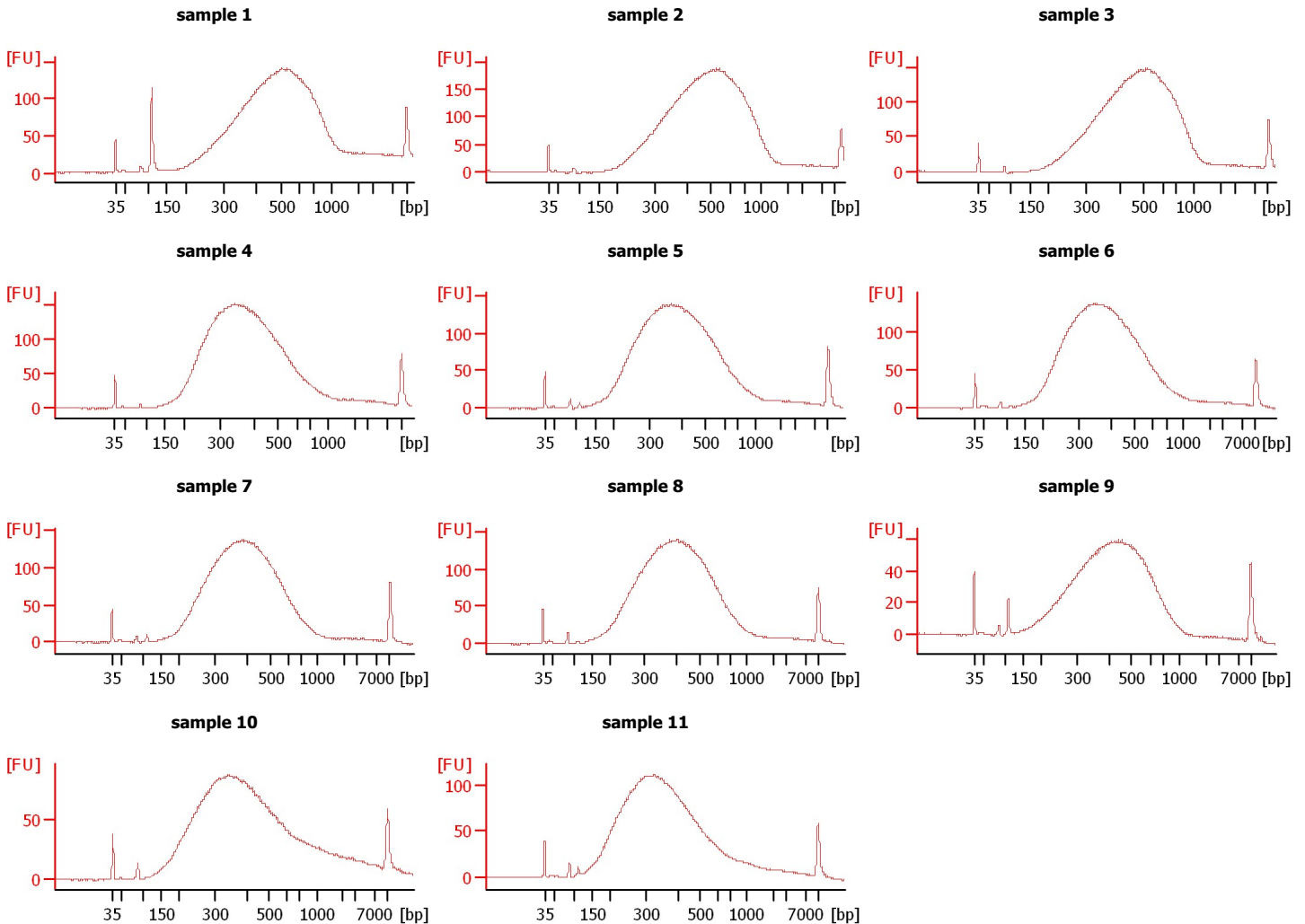
Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

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\2016-03-16\2016-03-16_002.xad

Created: 3/16/2016 10:55:12 AM
 Modified: 3/16/2016 11:37:09 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
sample 1		<input type="checkbox"/>	✓			
sample 2		<input type="checkbox"/>	✓			
sample 3		<input type="checkbox"/>	✓			
sample 4		<input type="checkbox"/>	✓			
sample 5		<input type="checkbox"/>	✓			
sample 6		<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\2016-03-16\2016-03-16_002.xad

Created: 3/16/2016 10:55:12 AM
Modified: 3/16/2016 11:37:09 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/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

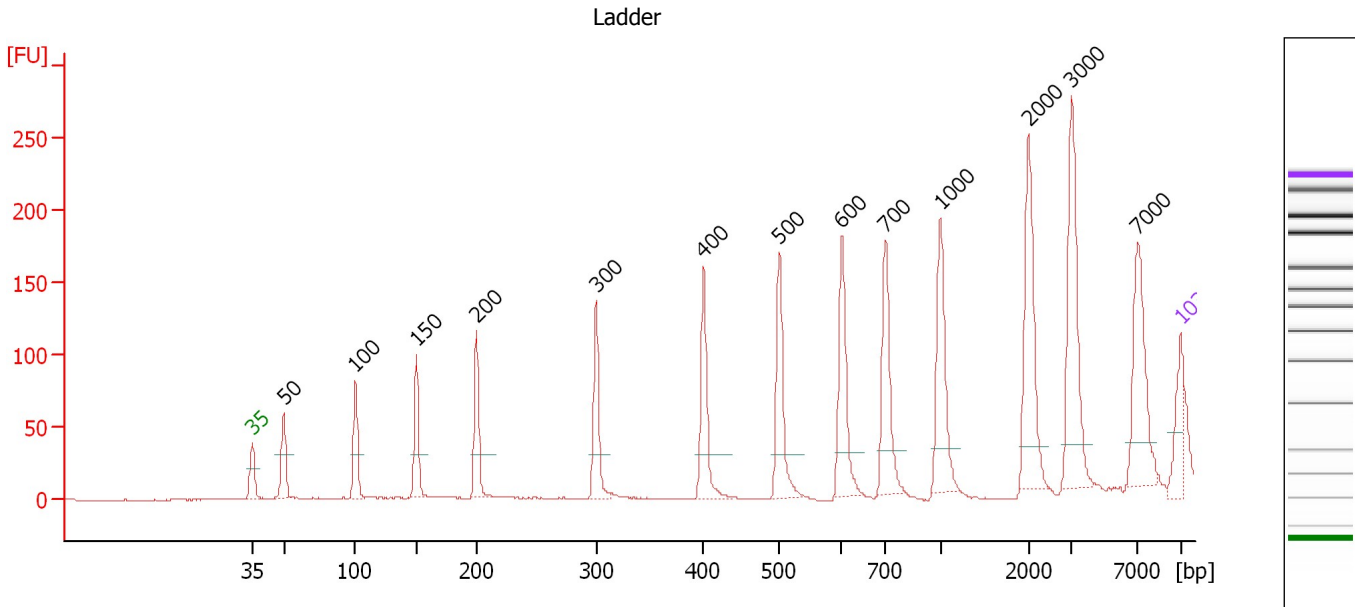
Ladder

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\2016-03-16\2016-03-16_002.xad

Created: 3/16/2016 10:55:12 AM
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Electropherogram Summary



Overall Results for Ladder

Noise: 0.3

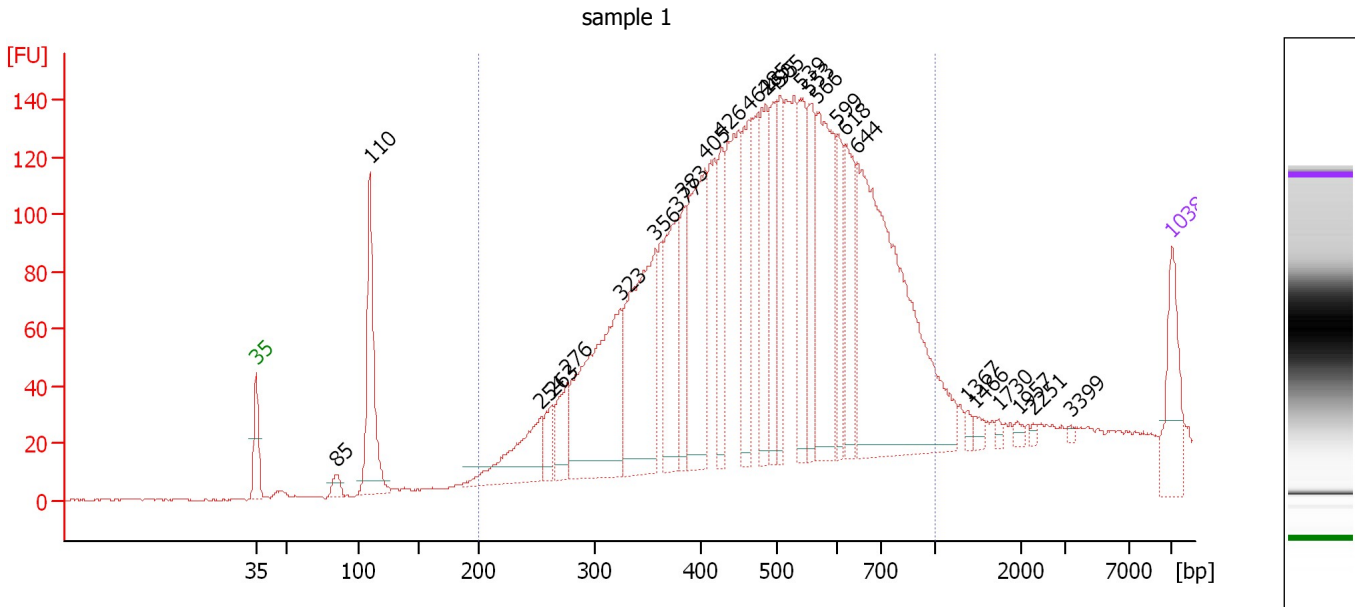
Peak table for Ladder

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	50	150.00	4,545.5	Ladder Peak	45.37
3	100	150.00	2,272.7	Ladder Peak	50.80
4	150	150.00	1,515.2	Ladder Peak	55.38
5	200	150.00	1,136.4	Ladder Peak	59.93
6	300	150.00	757.6	Ladder Peak	68.93
7	400	150.00	568.2	Ladder Peak	77.06
8	500	150.00	454.5	Ladder Peak	82.76
9	600	150.00	378.8	Ladder Peak	87.47
10	700	150.00	324.7	Ladder Peak	90.77
11	1,000	150.00	227.3	Ladder Peak	94.91
12	2,000	150.00	113.6	Ladder Peak	101.54
13	3,000	150.00	75.8	Ladder Peak	104.80
14	7,000	150.00	32.5	Ladder Peak	109.78
15	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-16\2016-03-16_002.xad

Created: 3/16/2016 10:55:12 AM
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Electropherogram Summary Continued ...



Overall Results for sample 1 : sample 1

Number of peaks found: 27 Corr. Area 1: 3,155.8
 Noise: 0.3

Peak table for sample 1 : sample 1


Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	85	21.54	384.7		49.16
3	110	246.44	3,405.6		51.68
4	254	146.74	874.5		64.81
5	263	43.68	251.8		65.59
6	276	76.45	419.1		66.81
7	323	368.46	1,728.2		70.80
8	356	331.36	1,409.6		73.50
9	377	175.75	705.9		75.21
10	383	89.56	354.5		75.66
11	405	267.31	1,000.6		77.33
12	426	95.10	338.1		78.55
13	462	138.15	453.2		80.59
14	485	141.26	440.9		81.93
15	495	110.56	338.1		82.50
16	505	110.92	332.9		82.99
17	539	126.22	355.0		84.58
18	553	114.29	313.4		85.24
19	566	252.61	675.7		85.89
20	599	84.34	213.2		87.44
21	618	115.14	282.5		88.05
22	644	595.88	1,402.8		88.91
23	1,367	7.64	8.5		97.34
24	1,466	10.39	10.7		98.00
25	1,730	4.76	4.2		99.75

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-16\2016-03-16_002.xad


Created: 3/16/2016 10:55:12 AM
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Electropherogram Summary Continued ...

... Peak table for sample 1 : sample 1

Peak	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	1,957	6.35	4.9		101.26
27	2,251	3.83	2.6		102.36
28	3,399	3.65	1.6		105.29
29	 10,380	75.00	10.9	Upper Marker	113.00

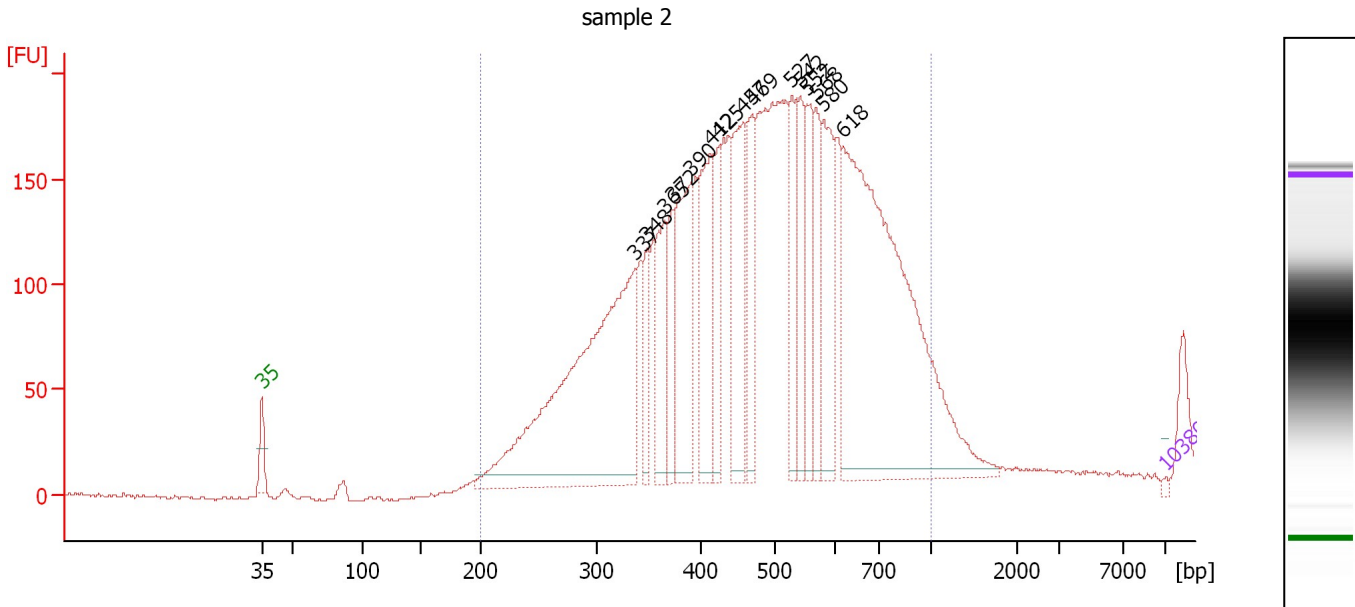
Region table for sample 1 : sample 1

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/ μ l]	% of Total	Size distribution in CV [%]
200	1,000	499	3,155.8	13,496.9	 3,905.93	94	30.1

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-16\2016-03-16_002.xad

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Electropherogram Summary Continued ...



Overall Results for sample 2 : sample 2

Number of peaks found: 15 Corr. Area 1: 3,919.8
 Noise: 0.8

Peak table for sample 2 : sample 2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	337	20,266.76	91,218.8		71.91
3	348	2,118.34	9,214.3		72.86
4	365	3,226.05	13,406.4		74.18
5	372	2,677.20	10,897.6		74.80
6	390	5,513.44	21,418.4		76.24
7	412	5,169.60	19,018.5		77.73
8	425	2,477.58	8,835.5		78.47
9	457	5,341.79	17,722.2		80.29
10	469	3,432.72	11,089.9		80.99
11	527	3,169.23	9,106.0		84.05
12	542	2,508.84	7,010.1		84.75
13	552	2,993.28	8,217.4		85.21
14	568	2,687.54	7,172.7		85.95
15	580	4,054.25	10,591.0		86.53
16	618	21,711.14	53,245.1		88.06
17	10,380	75.00	10.9	Upper Marker	113.00

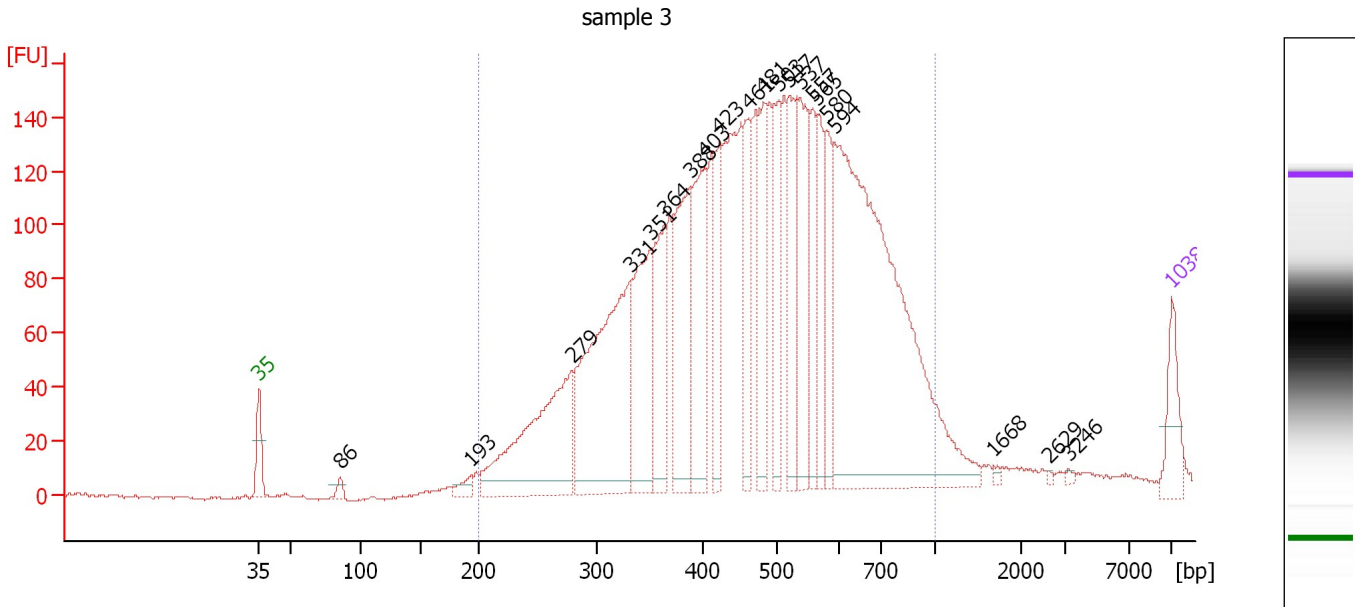
Region table for sample 2 : sample 2

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	498	3,919.8	303,371.4	88,195.56	99	29.7

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-16\2016-03-16_002.xad

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Electropherogram Summary Continued ...



Overall Results for sample 3 : sample 3

Number of peaks found: 21 Corr. Area 1: 3,730.8
 Noise: 0.5

Peak table for sample 3 : sample 3

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	86	20.78	366.9		49.26
3	193	34.64	272.1		59.28
4	279	545.86	2,967.5		67.02
5	331	710.01	3,247.2		71.47
6	351	325.48	1,403.3		73.11
7	364	241.40	1,006.1		74.09
8	388	359.47	1,403.0		76.10
9	403	316.00	1,187.2		77.24
10	423	179.88	644.9		78.35
11	461	188.46	619.0		80.56
12	481	203.96	641.9		81.70
13	503	190.31	573.7		82.89
14	517	223.77	655.2		83.58
15	537	235.96	665.2		84.53
16	557	138.98	378.4		85.43
17	565	144.13	386.3		85.83
18	580	154.89	404.6		86.53
19	594	1,311.68	3,346.0		87.18
20	1,668	5.52	5.0		99.34
21	2,629	3.15	1.8		103.59
22	3,246	4.50	2.1		105.10
23	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-16\2016-03-16_002.xad

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Modified: 3/16/2016 11:37:09 AM

Electropherogram Summary Continued ...

... Region table for sample 3 :

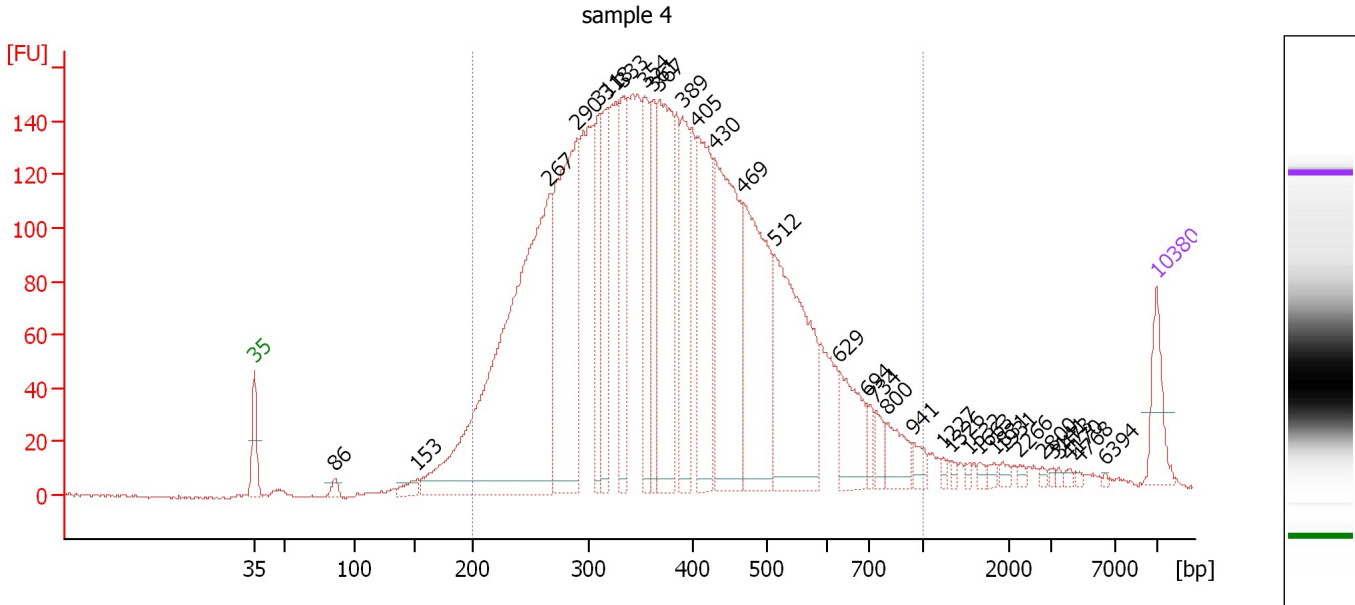
sample 3

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	489	3,730.8	22,116.9	6,209.38	98	31.0

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-16\2016-03-16_002.xad

Created: 3/16/2016 10:55:12 AM
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Electropherogram Summary Continued ...



Overall Results for sample 4 : sample 4

Number of peaks found: 33 Corr. Area 1: 4,390.3
 Noise: 0.5

Peak table for sample 4 : sample 4


Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	86	21.98	388.6		49.25
3	153	35.70	353.4		55.66
4	267	1,560.19	8,869.0		65.92
5	290	747.08	3,897.5		68.07
6	311	210.67	1,027.1		69.81
7	318	210.85	1,004.9		70.39
8	333	225.17	1,024.0		71.63
9	354	229.64	984.1		73.28
10	361	194.45	815.6		73.90
11	367	479.14	1,976.4		74.40
12	389	252.09	981.3		76.18
13	405	386.15	1,444.8		77.34
14	430	560.97	1,978.5		78.74
15	469	486.13	1,571.4		80.98
16	512	530.37	1,569.0		83.34
17	629	146.56	353.0		88.43
18	694	30.19	65.9		90.58
19	734	38.00	78.4		91.24
20	800	71.63	135.6		92.15
21	941	28.14	45.3		94.09
22	1,227	8.66	10.7		96.41
23	1,326	8.09	9.2		97.07
24	1,532	7.21	7.1		98.44
25	1,663	8.30	7.6		99.31

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-16\2016-03-16_002.xad


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Electropherogram Summary Continued ...

... Peak table for sample 4 : sample 4

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	1,831	9.86	8.2		100.42
27	1,931	10.06	7.9		101.09
28	2,266	7.44	5.0		102.41
29	2,800	5.43	2.9		104.15
30	3,141	4.45	2.1		104.97
31	3,473	4.21	1.8		105.39
32	4,170	5.93	2.2		106.26
33	4,768	3.99	1.3		107.00
34	6,394	2.42	0.6		109.03
35	 10,380	75.00	10.9	Upper Marker	113.00

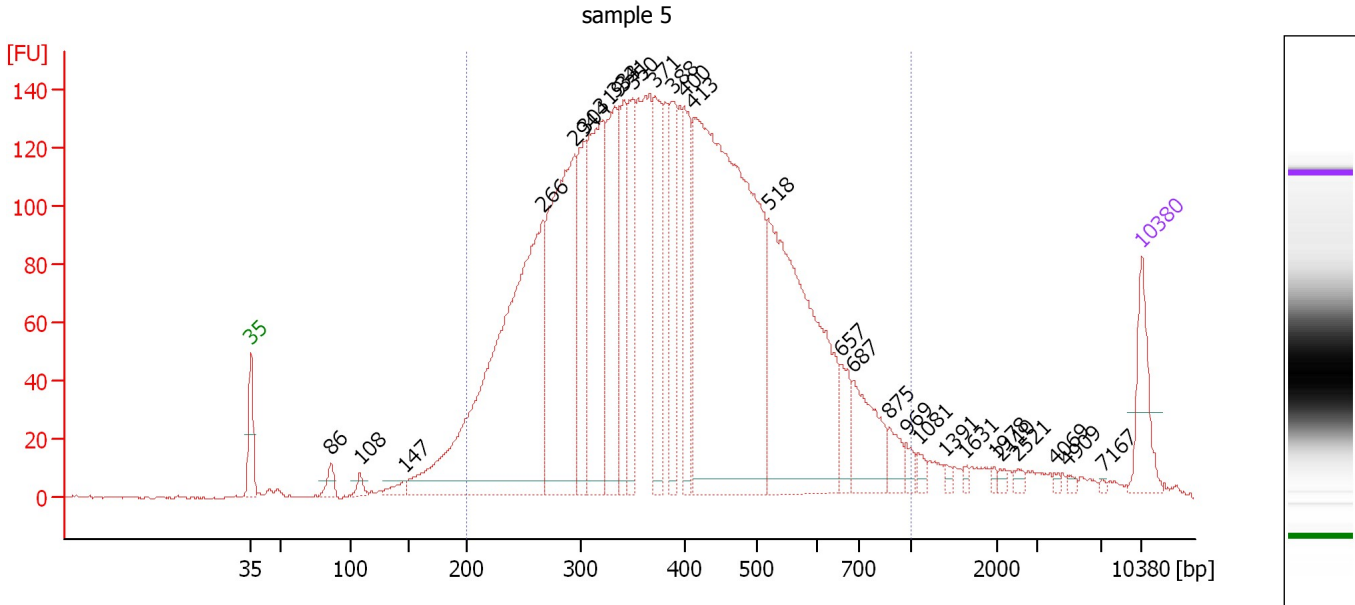
Region table for sample 4 : sample 4

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	395	4,390.3	34,819.4	 7,930.85	95	33.3

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-16\2016-03-16_002.xad

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 Modified: 3/16/2016 11:37:09 AM

Electropherogram Summary Continued ...



Overall Results for sample 5 : sample 5

Number of peaks found: 28 Corr. Area 1: 4,204.1
 Noise: 0.5

Peak table for sample 5 : sample 5


Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	86	31.08	547.3		49.28
3	108	18.54	259.8		51.55
4	147	22.50	232.7		55.06
5	266	1,138.22	6,471.7		65.91
6	294	636.62	3,276.5		68.43
7	304	227.62	1,134.1		69.27
8	319	388.58	1,848.3		70.44
9	333	281.78	1,282.2		71.61
10	341	172.57	767.4		72.24
11	350	182.60	790.5		72.99
12	371	220.44	899.9		74.71
13	388	176.96	690.7		76.09
14	400	178.89	678.4		77.02
15	413	1,278.87	4,697.2		77.77
16	518	673.49	1,968.1		83.63
17	657	60.11	138.7		89.33
18	687	130.69	288.2		90.34
19	875	35.56	61.6		93.19
20	969	17.95	28.1		94.48
21	1,081	13.46	18.9		95.45
22	1,391	7.48	8.1		97.50
23	1,631	5.86	5.4		99.09
24	1,978	4.80	3.7		101.40
25	2,110	5.94	4.3		101.90

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-16\2016-03-16_002.xad


Created: 3/16/2016 10:55:12 AM
 Modified: 3/16/2016 11:37:09 AM

Electropherogram Summary Continued ...

... Peak table for sample 5 : sample 5

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	2,521	7.11	4.3		103.24
27	4,069	3.88	1.4		106.13
28	4,909	4.76	1.5		107.18
29	7,167	2.39	0.5		109.94
30	 10,380	75.00	10.9	Upper Marker	113.00

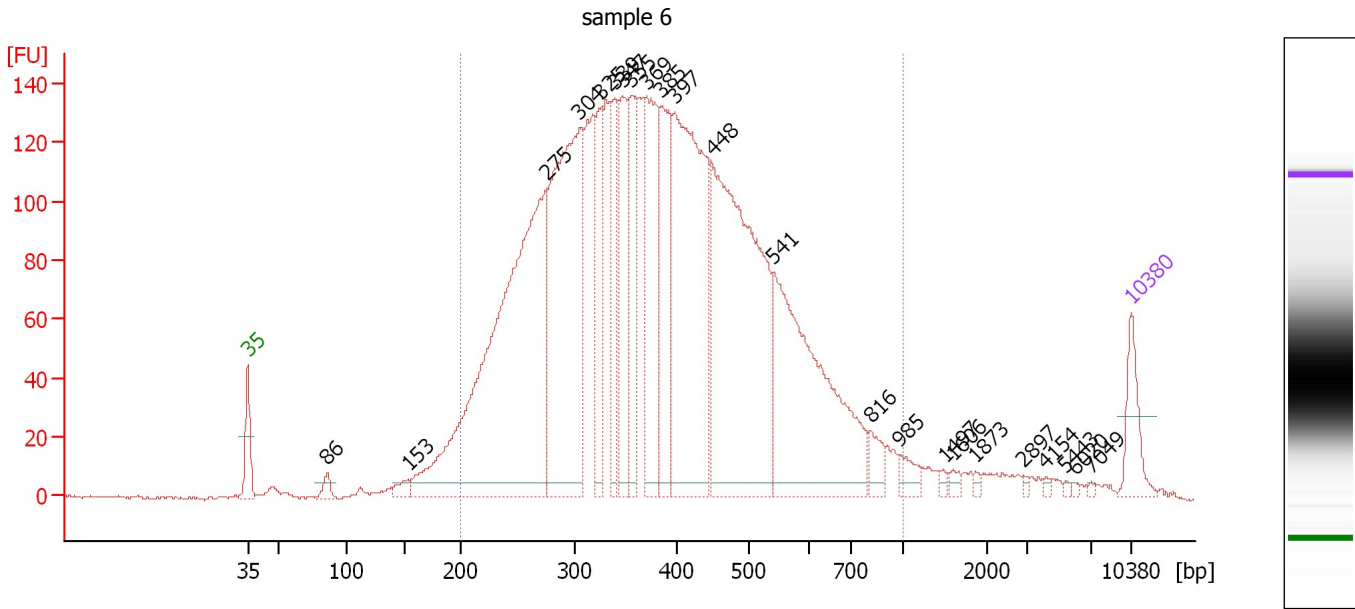
Region table for sample 5 : sample 5

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	407	4,204.1	27,429.0	 6,409.51	93	33.4

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-16\2016-03-16_002.xad

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Electropherogram Summary Continued ...



Overall Results for sample 6 : sample 6

Number of peaks found: 23 Corr. Area 1: 4,067.1
 Noise: 0.5

Peak table for sample 6 : sample 6

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	86	29.21	513.6		49.30
3	153	31.69	313.3		55.68
4	275	1,607.28	8,859.2		66.67
5	304	953.25	4,744.5		69.29
6	325	200.92	936.0		70.98
7	339	214.84	960.9		72.08
8	347	257.07	1,122.1		72.76
9	355	223.15	951.3		73.43
10	369	384.72	1,577.7		74.58
11	385	337.02	1,327.8		75.80
12	397	866.88	3,307.9		76.82
13	448	1,024.57	3,462.1		79.82
14	541	715.36	2,004.6		84.68
15	816	47.53	88.2		92.37
16	985	34.51	53.1		94.70
17	1,497	8.74	8.8		98.21
18	1,606	9.83	9.3		98.92
19	1,873	6.99	5.7		100.70
20	2,897	5.01	2.6		104.46
21	4,154	5.25	1.9		106.24
22	5,443	3.53	1.0		107.84
23	6,020	3.88	1.0		108.56
24	7,049	3.61	0.8		109.83
25	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-16\2016-03-16_002.xad

Created: 3/16/2016 10:55:12 AM
Modified: 3/16/2016 11:37:09 AM

Electropherogram Summary Continued ...

... Region table for sample 6 :

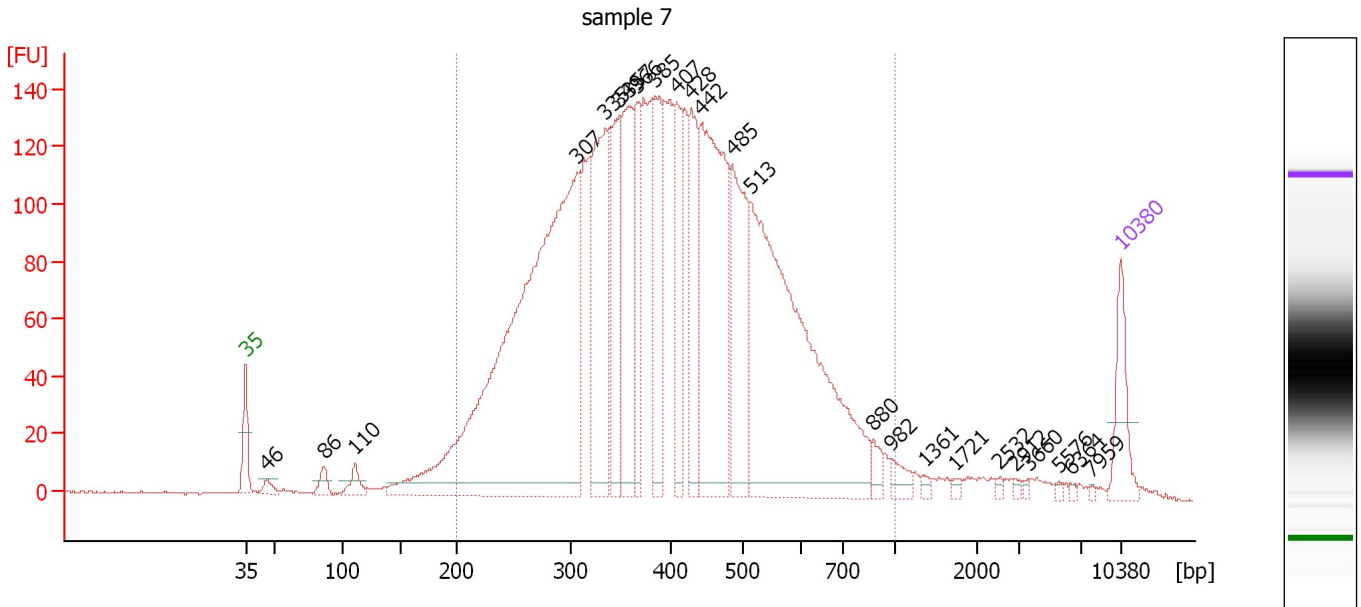
sample 6

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	399	4,067.1	33,268.3	7,649.01	94	33.1

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-16\2016-03-16_002.xad

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 Modified: 3/16/2016 11:37:09 AM

Electropherogram Summary Continued ...



Overall Results for sample 7 : sample 7

Number of peaks found: 24 Corr. Area 1: 3,973.6
 Noise: 0.4


Peak table for sample 7 : sample 7

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	46	21.55	713.1		44.71
3	86	30.08	530.4		49.27
4	110	36.91	506.9		51.74
5	307	1,672.76	8,259.6		69.49
6	335	377.09	1,704.4		71.79
7	349	228.62	992.9		72.90
8	357	279.63	1,185.9		73.59
9	366	157.07	649.9		74.31
10	385	222.79	877.7		75.80
11	407	188.28	700.6		77.47
12	428	211.38	748.1		78.66
13	442	564.80	1,937.9		79.43
14	485	291.46	910.7		81.90
15	513	971.94	2,873.3		83.35
16	880	24.50	42.2		93.25
17	982	25.60	39.5		94.66
18	1,361	7.13	7.9		97.30
19	1,721	6.00	5.3		99.69
20	2,532	4.54	2.7		103.27
21	2,912	4.65	2.4		104.51
22	3,660	3.89	1.6		105.62
23	5,576	3.56	1.0		108.01
24	6,364	3.77	0.9		108.99
25	7,959	2.82	0.5		110.70


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-16\2016-03-16_002.xad

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Electropherogram Summary Continued ...**... Peak table for sample 7 : sample 7**

Peak	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	 10,380	75.00	10.9	Upper Marker	113.00

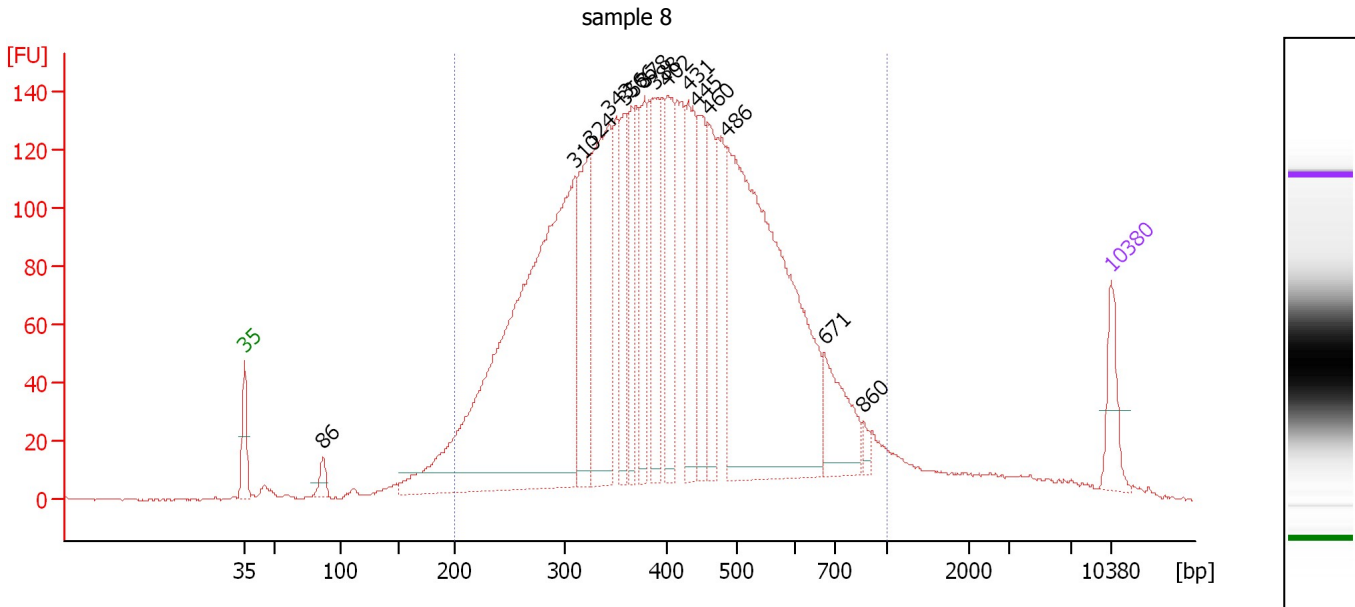
Region table for sample 7 : sample 7

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/ μ l]	% of Total	Size distribution in CV [%]
200	1,000	413	3,973.6	25,288.7	 6,063.31	94	31.6

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-16\2016-03-16_002.xad

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Electropherogram Summary Continued ...



Overall Results for sample 8 : sample 8

Number of peaks found: 15 Corr. Area 1: 4,091.8
 Noise: 0.3

Peak table for sample 8 : sample 8

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	86	43.79	767.2		49.33
3	310	1,903.41	9,317.1		69.71
4	324	329.76	1,540.2		70.91
5	343	560.25	2,471.4		72.46
6	358	195.83	828.0		73.67
7	366	181.48	751.8		74.27
8	378	234.02	936.8		75.31
9	388	245.70	959.4		76.08
10	402	252.11	950.6		77.16
11	431	288.90	1,015.0		78.84
12	445	218.19	743.2		79.62
13	460	196.55	647.5		80.48
14	486	1,368.98	4,271.6		81.94
15	671	178.81	403.5		89.82
16	860	18.27	32.2		92.97
17	10,380	75.00	10.9	Upper Marker	113.00

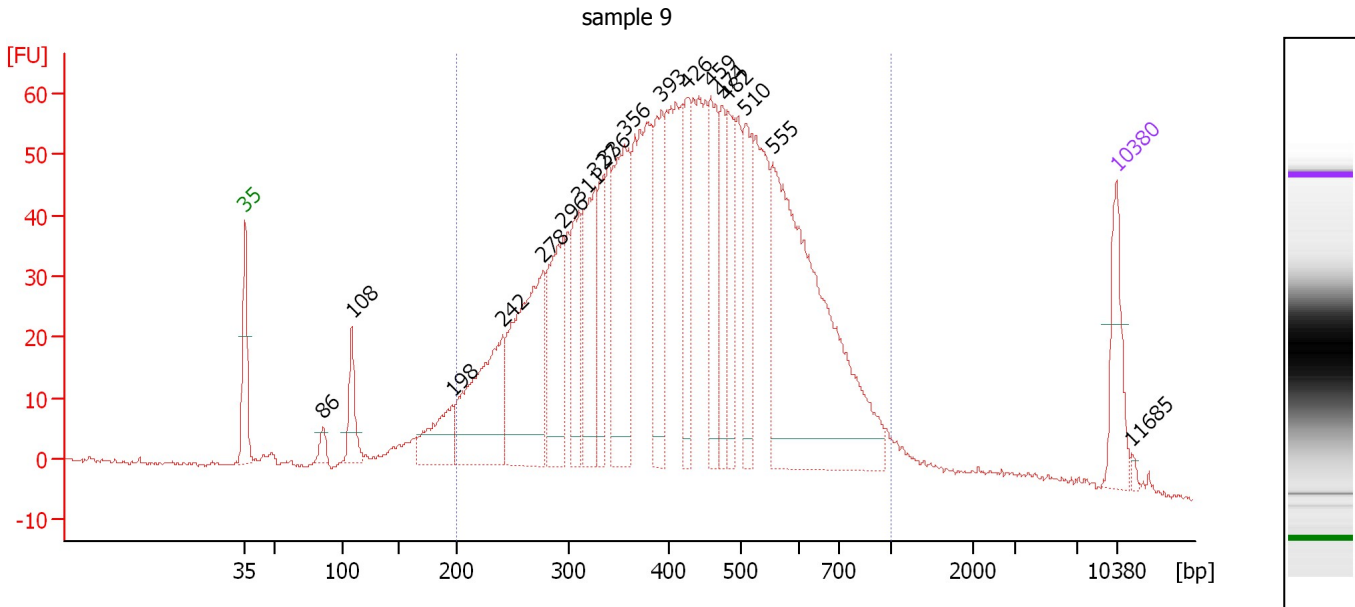
Region table for sample 8 : sample 8

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	422	4,091.8	31,222.9	7,579.74	93	32.5

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-16\2016-03-16_002.xad

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Electropherogram Summary Continued ...



Overall Results for sample 9 : sample 9

Number of peaks found: 18 Corr. Area 1: 1,866.1
 Noise: 0.5

Peak table for sample 9 : sample 9

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	86	23.70	416.8		49.30
3	108	85.16	1,190.5		51.57
4	198	105.46	808.7		59.71
5	242	280.84	1,759.8		63.69
6	278	357.80	1,950.5		66.95
7	296	207.56	1,062.4		68.58
8	311	132.88	647.6		69.82
9	327	193.48	897.3		71.10
10	336	101.95	460.2		71.83
11	356	278.19	1,183.2		73.50
12	393	163.61	631.4		76.46
13	426	102.69	365.6		78.51
14	459	159.56	526.3		80.44
15	474	96.48	308.2		81.30
16	482	123.70	389.0		81.73
17	510	142.24	422.7		83.23
18	555	658.91	1,797.7		85.37
19	10,380	75.00	10.9	Upper Marker	113.00
20	11,685	0.00	0.0		114.24

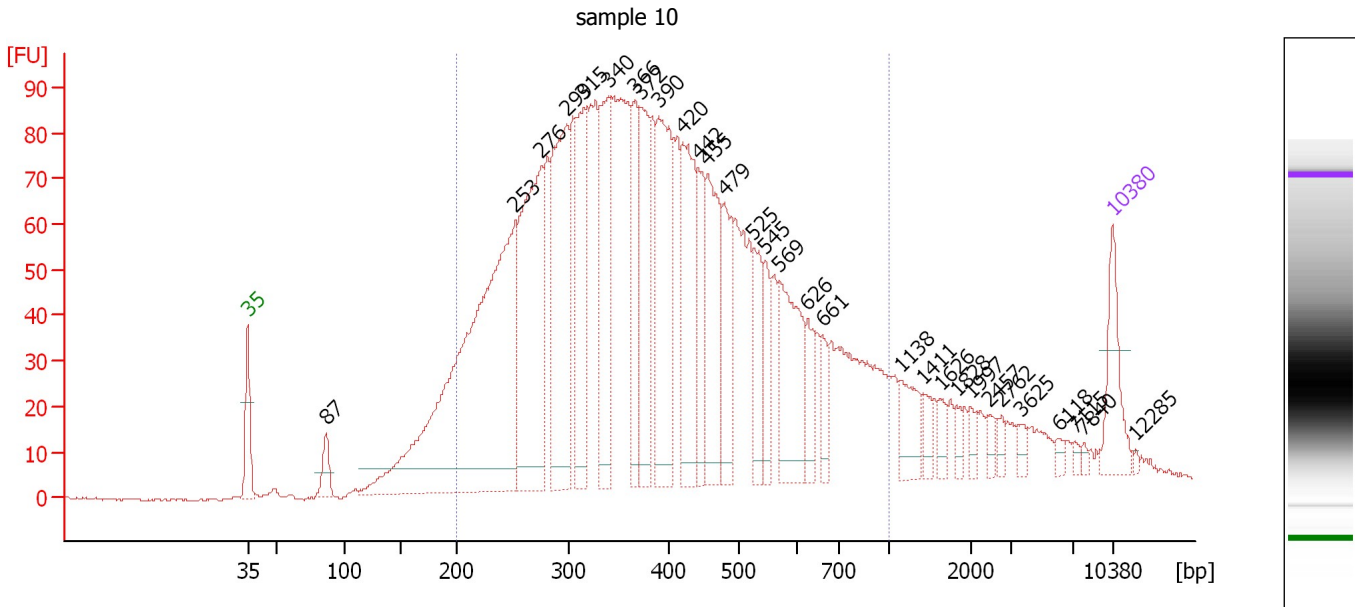
Region table for sample 9 : sample 9

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	439	1,866.1	18,299.0	4,574.07	91	32.5

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-16\2016-03-16_002.xad

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Electropherogram Summary Continued ...



Overall Results for sample 10 : sample 10

Number of peaks found: 30 Corr. Area 1: 2,707.5
 Noise: 0.2

Peak table for sample 10 : sample 10


Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	87	49.93	873.6		49.34
3	253	1,124.78	6,746.6		64.66
4	276	482.70	2,649.0		66.78
5	299	404.54	2,052.7		68.81
6	315	236.69	1,136.8		70.19
7	340	251.20	1,118.0		72.22
8	366	132.28	546.9		74.33
9	372	197.19	802.5		74.81
10	390	299.80	1,165.2		76.23
11	420	249.51	899.4		78.22
12	442	104.39	357.6		79.47
13	455	201.96	672.4		80.20
14	479	132.89	420.8		81.54
15	525	90.83	262.0		83.96
16	545	69.21	192.6		84.86
17	569	186.87	497.3		86.03
18	626	55.22	133.7		88.31
19	661	36.60	83.9		89.48
20	1,138	60.55	80.6		95.82
21	1,411	24.44	26.2		97.64
22	1,626	21.78	20.3		99.06
23	1,828	15.20	12.6		100.40
24	1,997	16.06	12.2		101.52
25	2,457	15.01	9.3		103.03

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-16\2016-03-16_002.xad


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Electropherogram Summary Continued ...

... Peak table for sample 10 : sample 10

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	2,762	11.07	6.1		104.02
27	3,625	12.97	5.4		105.58
28	6,118	9.05	2.2		108.68
29	7,115	6.23	1.3		109.89
30	7,840	5.18	1.0		110.58
31	 10,380	75.00	10.9	Upper Marker	113.00
32	12,285	0.00	0.0		114.81

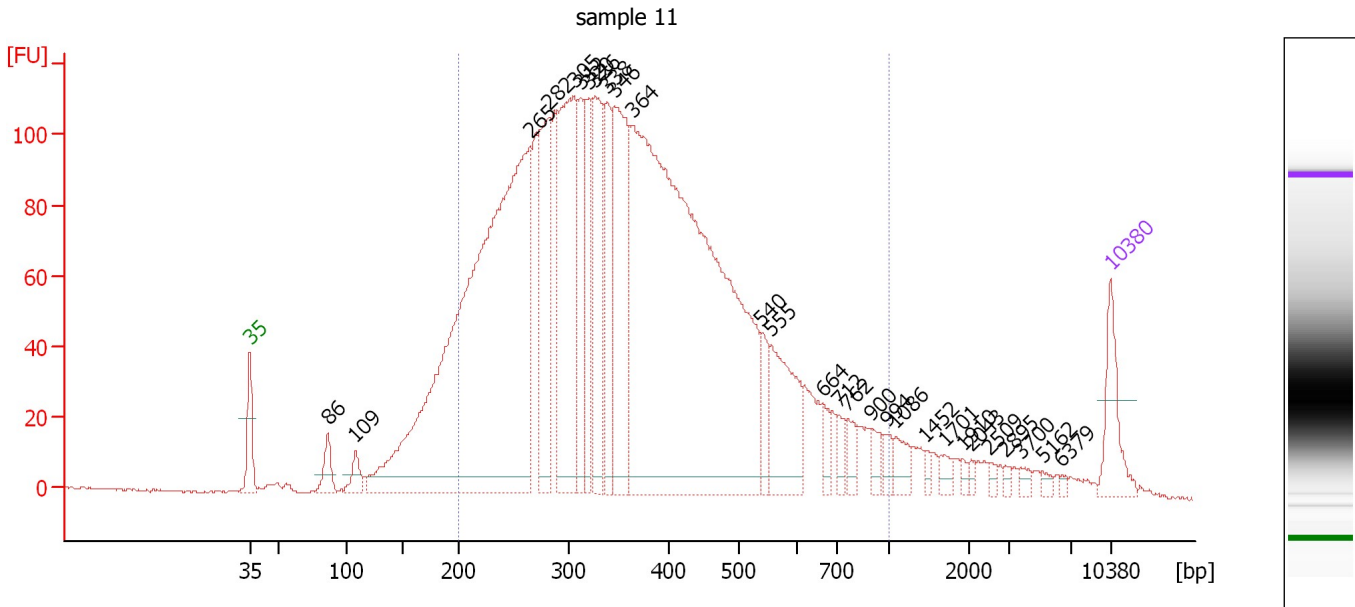
Region table for sample 10 : sample 10

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	410	2,707.5	24,948.1	 5,718.77	87	37.7

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-16\2016-03-16_002.xad

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Electropherogram Summary Continued ...



Overall Results for sample 11 : sample 11

Number of peaks found: 28 Corr. Area 1: 3,331.7
 Noise: 0.3

Peak table for sample 11 : sample 11

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	86	57.08	1,000.1		49.33
3	109	42.04	586.7		51.59
4	265	1,945.09	11,106.4		65.81
5	282	341.08	1,834.4		67.29
6	305	517.59	2,568.1		69.37
7	312	175.97	855.2		69.89
8	320	185.82	879.0		70.58
9	326	274.90	1,276.9		71.06
10	338	175.72	787.8		72.01
11	346	385.20	1,687.0		72.67
12	364	2,017.70	8,408.5		74.10
13	540	65.15	182.9		84.64
14	555	191.02	521.0		85.37
15	664	29.43	67.1		89.58
16	712	24.52	52.2		90.92
17	762	30.21	60.1		91.62
18	900	26.69	44.9		93.53
19	994	19.29	29.4		94.83
20	1,086	34.06	47.5		95.48
21	1,452	10.68	11.1		97.91
22	1,701	15.00	13.4		99.56
23	1,910	7.27	5.8		100.94
24	2,043	6.98	5.2		101.68
25	2,509	8.43	5.1		103.20

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-16\2016-03-16_002.xad

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Electropherogram Summary Continued ...

... Peak table for sample 11 : sample 11

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	2,895	7.23	3.8		104.46
27	3,700	10.27	4.2		105.67
28	5,162	7.75	2.3		107.49
29	6,379	4.51	1.1		109.01
30	10,380	75.00	10.9	Upper Marker	113.00

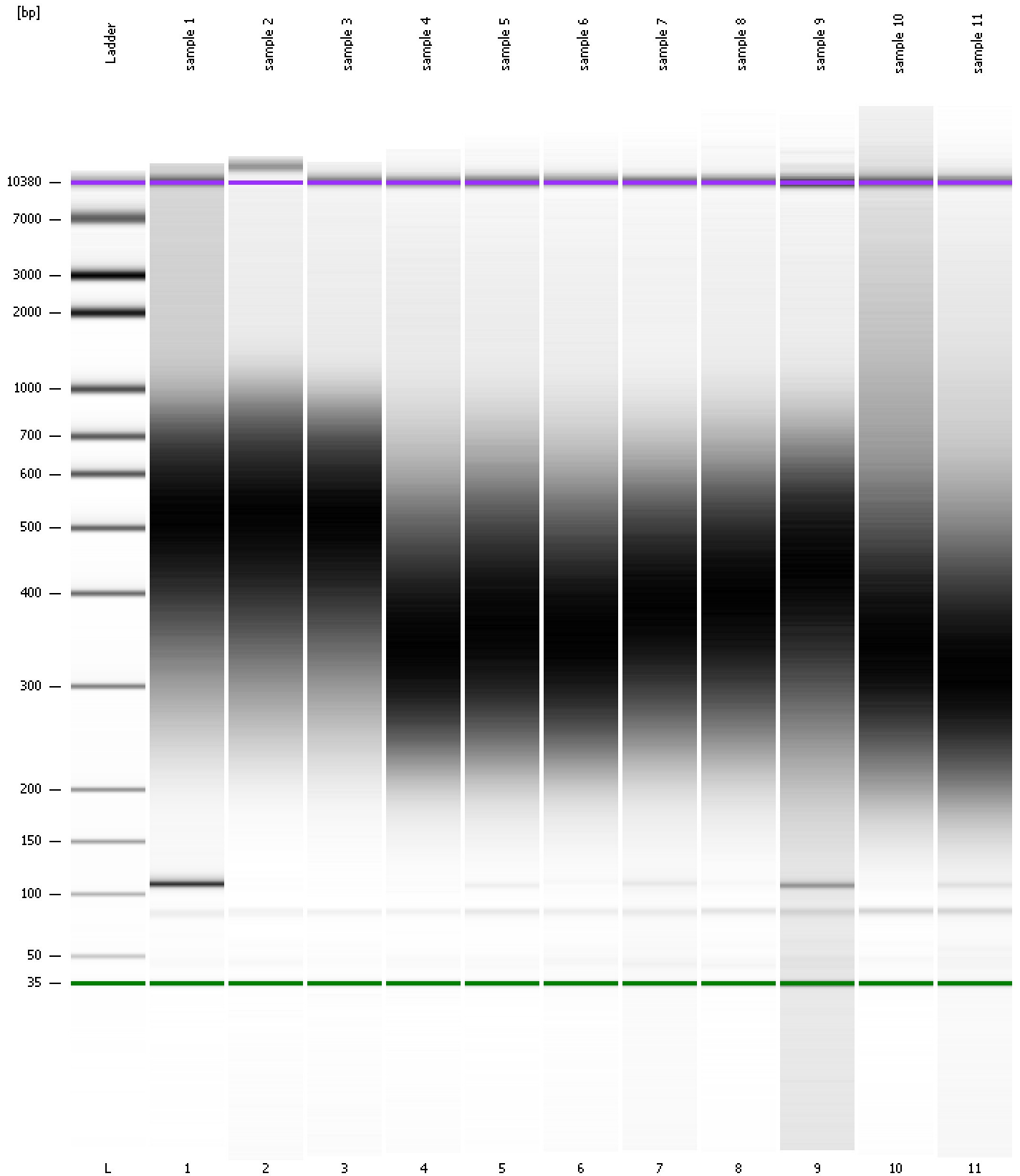
Region table for sample 11 : sample 11

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	379	3,331.7	29,253.5	6,316.80	87	36.5

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-16\2016-03-16_002.xad

Created: 3/16/2016 10:55:12 AM
Modified: 3/16/2016 11:37:09 AM

Gel Image



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-16\2016-03-16_002.xad

Created: 3/16/2016 10:55:12 AM
 Modified: 3/16/2016 11:37:09 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		3/16/2016 11:36:32 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\data\2016-03-16\2016-03-16_002.xad)		Instrument	Run		3/16/2016 10:55:17 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		3/16/2016 10:55:17 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		3/16/2016 10:55:17 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		3/16/2016 10:55:17 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		3/16/2016 10:55:17 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		3/16/2016 10:55:17 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		3/16/2016 10:55:17 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1