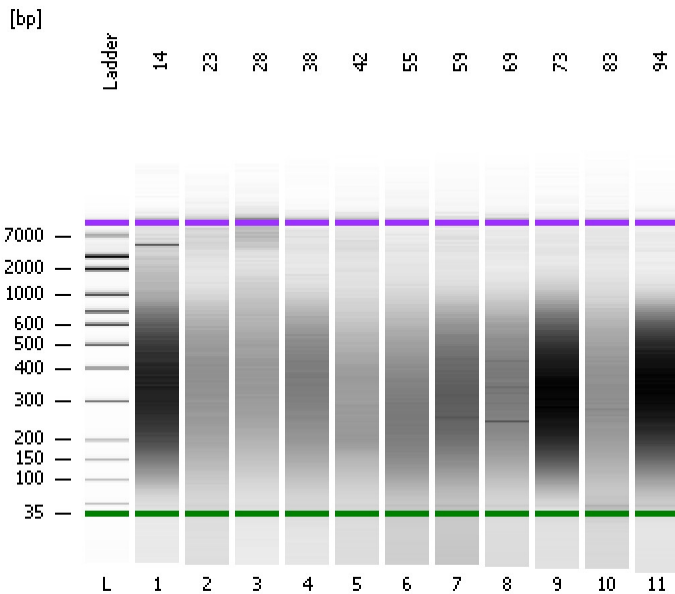


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-10\2015-11-10_001.xad

Created: 11/10/2015 9:22:48 AM
Modified: 11/10/2015 10:14:57 AM

Electrophoresis File Run Summary



Instrument Information:

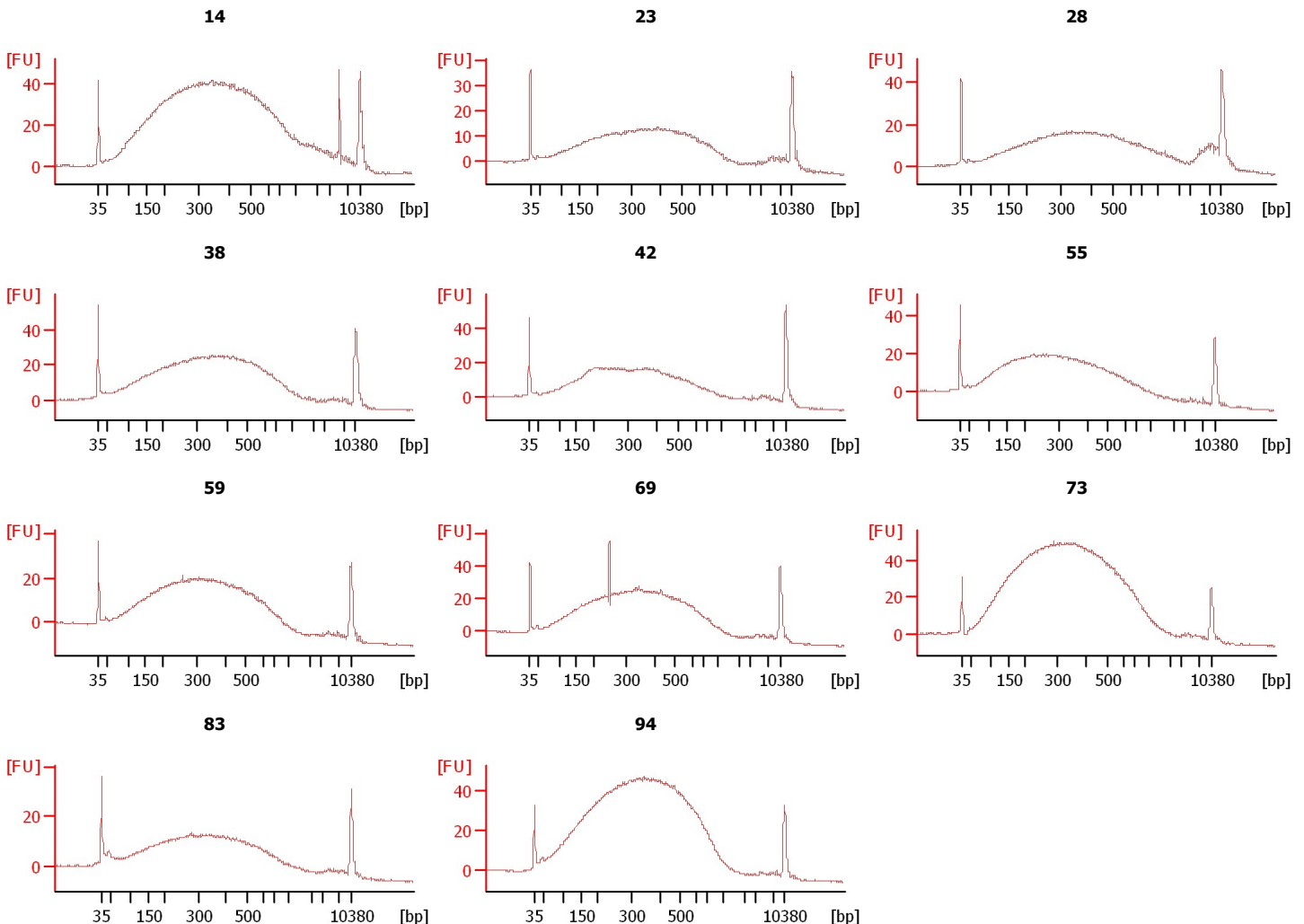
Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

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:\...ents and Settings\Bioanalyzer\2015-11-10\2015-11-10_001.xad

Created: 11/10/2015 9:22:48 AM
Modified: 11/10/2015 10:14:57 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
14		<input type="checkbox"/>	✓			
23		<input type="checkbox"/>	✓			
28		<input type="checkbox"/>	✓			
38		<input type="checkbox"/>	✓			
42		<input type="checkbox"/>	✓			
55		<input type="checkbox"/>	✓			
59		<input type="checkbox"/>	✓			
69		<input type="checkbox"/>	✓			
73		<input type="checkbox"/>	✓			
83		<input type="checkbox"/>	✓			
94		<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-10\2015-11-10_001.xad

Created: 11/10/2015 9:22:48 AM
Modified: 11/10/2015 10:14:57 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/ μ l] : 1950
Uses Standard Area for Ladder Fragments
Lower Marker Concentration [pg/ μ l] : 125
Upper Marker Concentration [pg/ μ 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

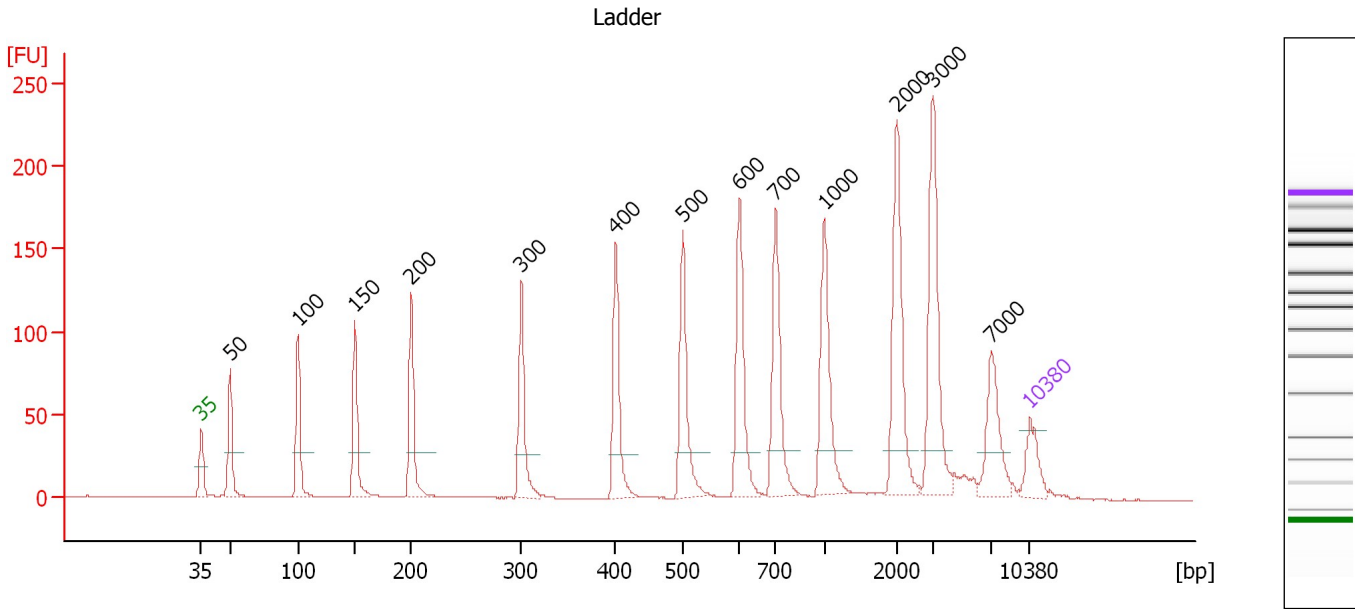
Ladder

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:\...ents and Settings\Bioanalyzer\2015-11-10\2015-11-10_001.xad

Created: 11/10/2015 9:22:48 AM
 Modified: 11/10/2015 10:14:57 AM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

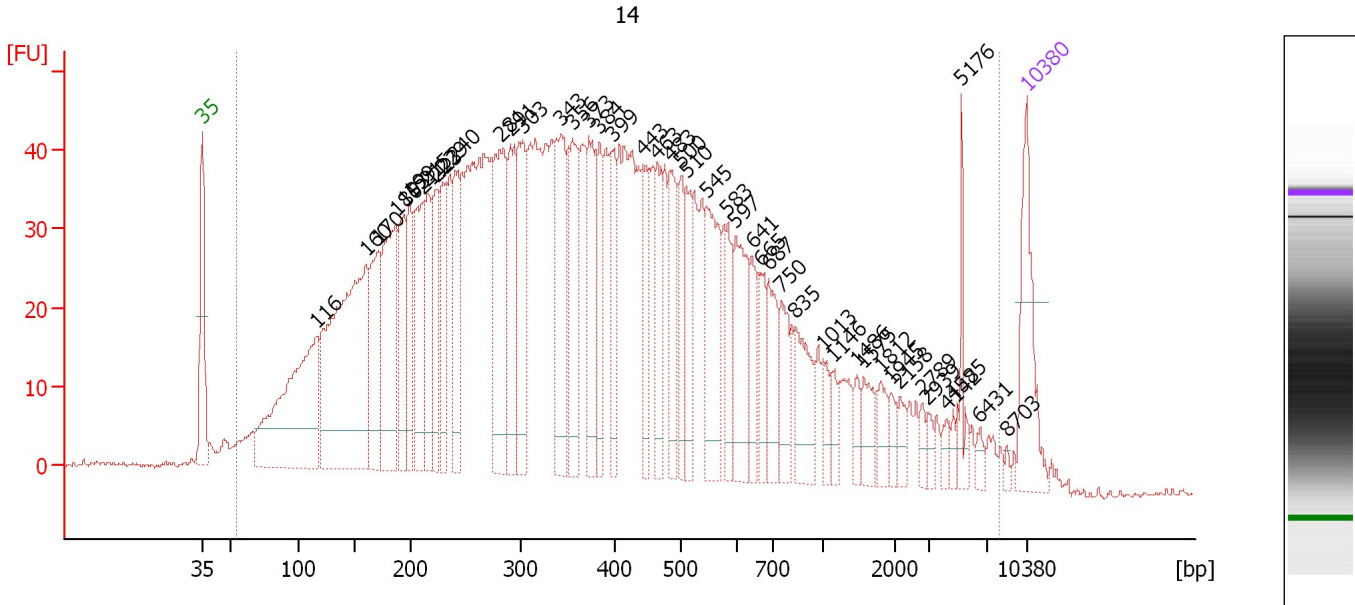
Peak table for Ladder

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	45.43
3	100	150.00	2,272.7	Ladder Peak	51.15
4	150	150.00	1,515.2	Ladder Peak	55.97
5	200	150.00	1,136.4	Ladder Peak	60.75
6	300	150.00	757.6	Ladder Peak	70.03
7	400	150.00	568.2	Ladder Peak	78.00
8	500	150.00	454.5	Ladder Peak	83.68
9	600	150.00	378.8	Ladder Peak	88.45
10	700	150.00	324.7	Ladder Peak	91.51
11	1,000	150.00	227.3	Ladder Peak	95.66
12	2,000	150.00	113.6	Ladder Peak	101.78
13	3,000	150.00	75.8	Ladder Peak	104.80
14	7,000	150.00	32.5	Ladder Peak	109.71
15	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-10\2015-11-10_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 1 : 14

Number of peaks found: 46 Corr. Area 1: 2,340.0
 Noise: 0.3

Peak table for sample 1 : 14

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	116	339.12	4,411.5		52.74
3	160	464.76	4,406.4		56.91
4	170	134.69	1,198.7		57.91
5	186	191.33	1,555.5		59.45
6	193	106.40	833.2		60.13
7	199	88.56	675.3		60.62
8	211	134.10	963.5		61.76
9	215	89.29	629.9		62.12
10	223	89.02	604.6		62.89
11	229	90.31	597.6		63.43
12	240	90.97	573.9		64.48
13	281	195.60	1,053.9		68.28
14	291	113.11	589.0		69.19
15	303	118.65	593.1		70.28
16	343	146.56	646.5		73.49
17	356	117.24	499.0		74.49
18	373	101.25	411.3		75.85
19	384	70.30	277.1		76.75
20	399	67.77	257.6		77.89
21	443	62.59	214.2		80.42
22	463	61.46	201.3		81.56
23	483	77.52	243.0		82.73
24	500	57.05	172.8		83.69
25	510	59.09	175.6		84.14

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-10\2015-11-10_001.xad

Created: 11/10/2015 9:22:48 AM
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Electropherogram Summary Continued ...

... Peak table for sample 1 : 14

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	545	105.31	292.9		85.82
27	583	42.13	109.5		87.63
28	597	92.41	234.5		88.31
29	641	41.77	98.7		89.71
30	665	39.55	90.1		90.44
31	687	51.24	113.0		91.12
32	750	47.14	95.2		92.20
33	835	60.56	109.9		93.38
34	1,013	17.94	26.8		95.74
35	1,146	17.35	22.9		96.55
36	1,486	15.32	15.6		98.64
37	1,575	25.32	24.4		99.18
38	1,812	19.05	15.9		100.63
39	1,945	12.08	9.4		101.45
40	2,158	13.58	9.5		102.26
41	2,789	8.93	4.9		104.17
42	2,939	8.67	4.5		104.62
43	4,142	9.94	3.6		106.20
44	4,585	9.19	3.0		106.75
45	5,176	24.18	7.1		107.47
46	6,431	8.06	1.9		109.01
47	8,703	3.46	0.6		111.37
48	10,380	75.00	10.9	Upper Marker	113.00

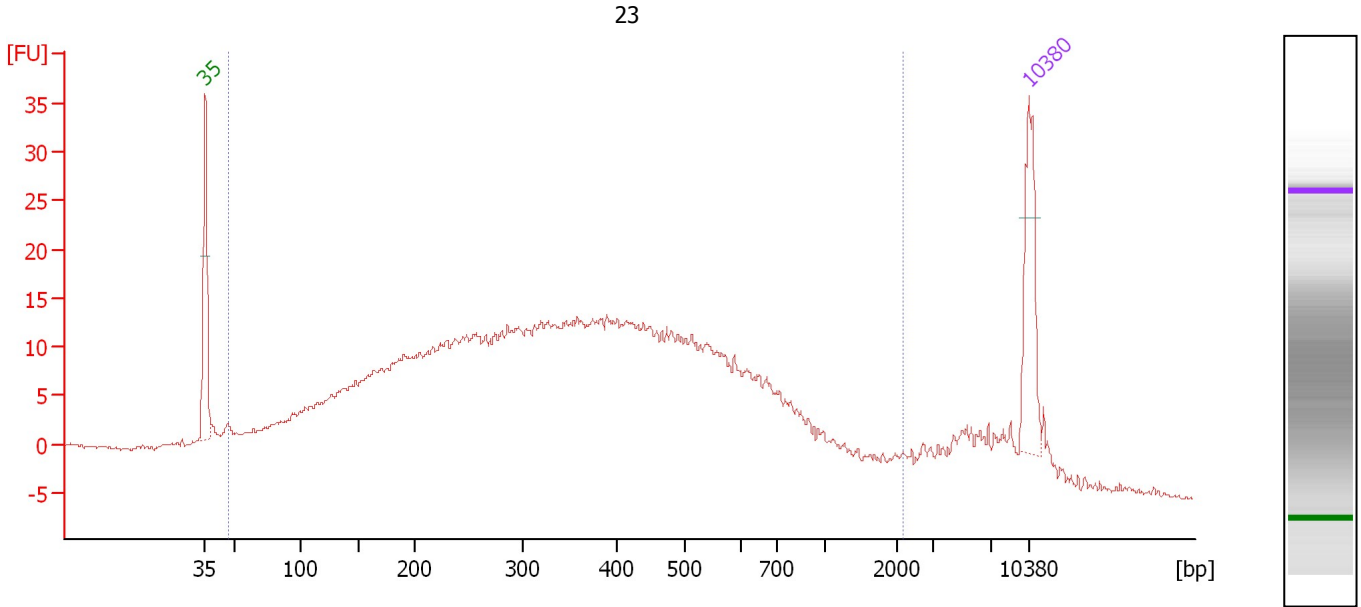
Region table for sample 1 : 14

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
54	7,980	608	2,340.0	33,475.1	5,484.31	99	100.0

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-10\2015-11-10_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 2 : 23

Number of peaks found: 0 Corr. Area 1: 781.3
 Noise: 0.2

Peak table for sample 2 : 23

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	10,380	75.00	10.9	Upper Marker	113.00

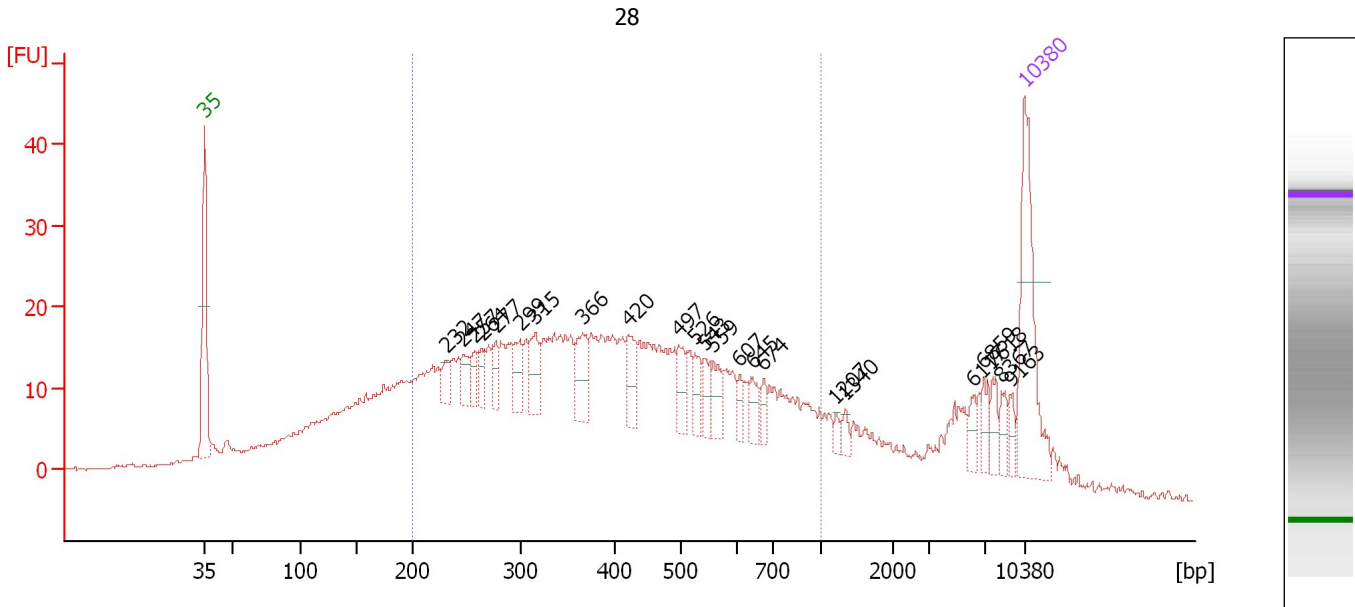
Region table for sample 2 : 23

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
47	2,134	414	781.3	18,217.0	2,811.16	92	68.4

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-10\2015-11-10_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 3 : 28

Number of peaks found: 23 Corr. Area 1: 710.5
 Noise: 0.2

Peak table for sample 3 : 28

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	232	14.64	95.6		63.72
3	247	16.46	101.1		65.09
4	257	13.86	81.7		66.04
5	264	14.87	85.4		66.68
6	277	16.26	89.0		67.87
7	299	22.92	116.2		69.92
8	315	26.72	128.5		71.24
9	366	32.23	133.4		75.29
10	420	26.49	95.4		79.16
11	497	20.32	61.9		83.53
12	526	16.02	46.2		84.90
13	543	16.11	45.0		85.72
14	559	18.10	49.1		86.49
15	607	9.23	23.0		88.68
16	645	13.23	31.1		89.82
17	674	9.01	20.2		90.73
18	1,207	4.51	5.7		96.92
19	1,340	5.52	6.2		97.74
20	6,117	9.27	2.3		108.63
21	6,859	11.05	2.4		109.54
22	7,618	10.97	2.2		110.31
23	8,367	9.24	1.7		111.04
24	9,163	7.61	1.3		111.82
25	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-10\2015-11-10_001.xad

Created: 11/10/2015 9:22:48 AM
Modified: 11/10/2015 10:14:57 AM

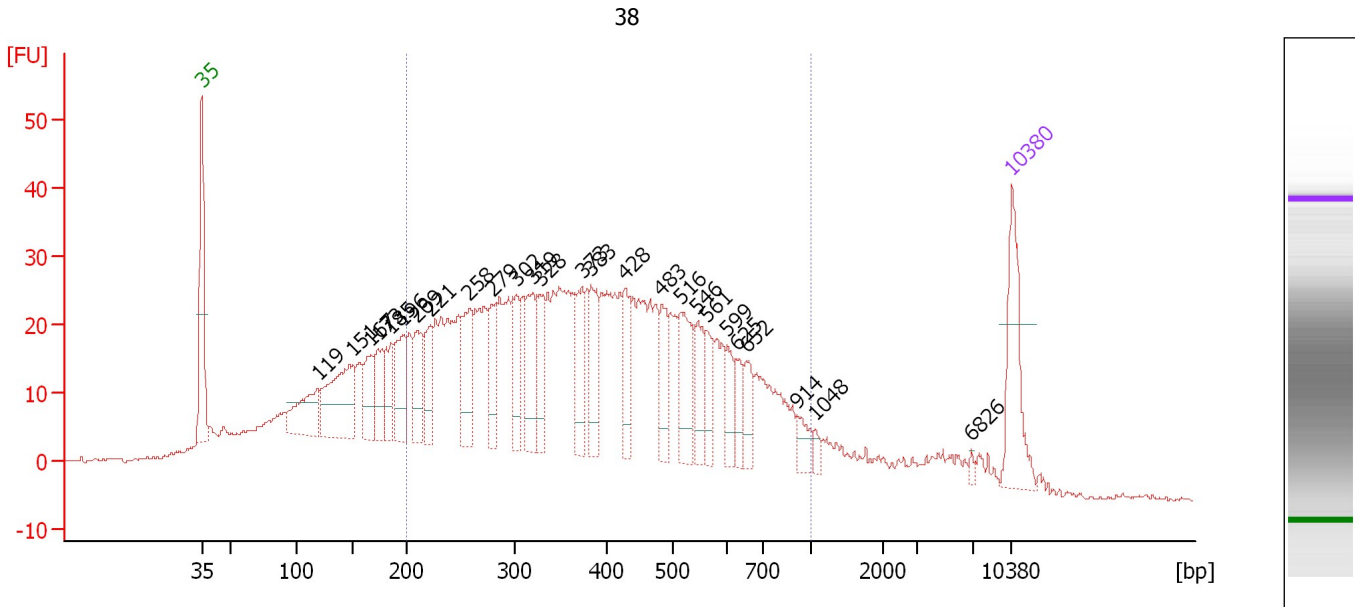
Electropherogram Summary Continued ...**... Region table for sample 3 : 28**

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	432	710.5	6,333.9	■ 1,464.39	66	40.6

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-10\2015-11-10_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 4 : 38

Number of peaks found: 26 Corr. Area 1: 1,062.3
 Noise: 0.2

Peak table for sample 4 : 38

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	119	84.90	1,079.5		53.00
3	151	149.16	1,499.5		56.04
4	167	60.96	552.7		57.61
5	173	52.85	461.8		58.21
6	185	53.38	437.2		59.31
7	196	76.32	589.8		60.37
8	209	54.83	397.7		61.57
9	221	51.64	353.6		62.72
10	258	77.34	455.0		66.09
11	279	48.24	262.1		68.07
12	302	52.66	264.2		70.19
13	319	76.81	364.4		71.57
14	328	57.83	267.1		72.26
15	373	57.85	234.9		75.86
16	383	70.53	279.1		76.64
17	428	44.51	157.5		79.59
18	483	47.67	149.5		82.72
19	516	74.51	218.9		84.43
20	546	44.28	122.9		85.86
21	561	30.17	81.5		86.59
22	599	28.77	72.8		88.39
23	625	26.68	64.7		89.22
24	652	29.11	67.6		90.05
25	914	19.52	32.3		94.47

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-10\2015-11-10_001.xad

Created: 11/10/2015 9:22:48 AM
 Modified: 11/10/2015 10:14:57 AM

Electropherogram Summary Continued ...

... Peak table for sample 4 : 38

Peak	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	1,048	7.37	10.7		95.95
27	6,826	3.67	0.8		109.50
28	10,380	75.00	10.9	Upper Marker	113.00

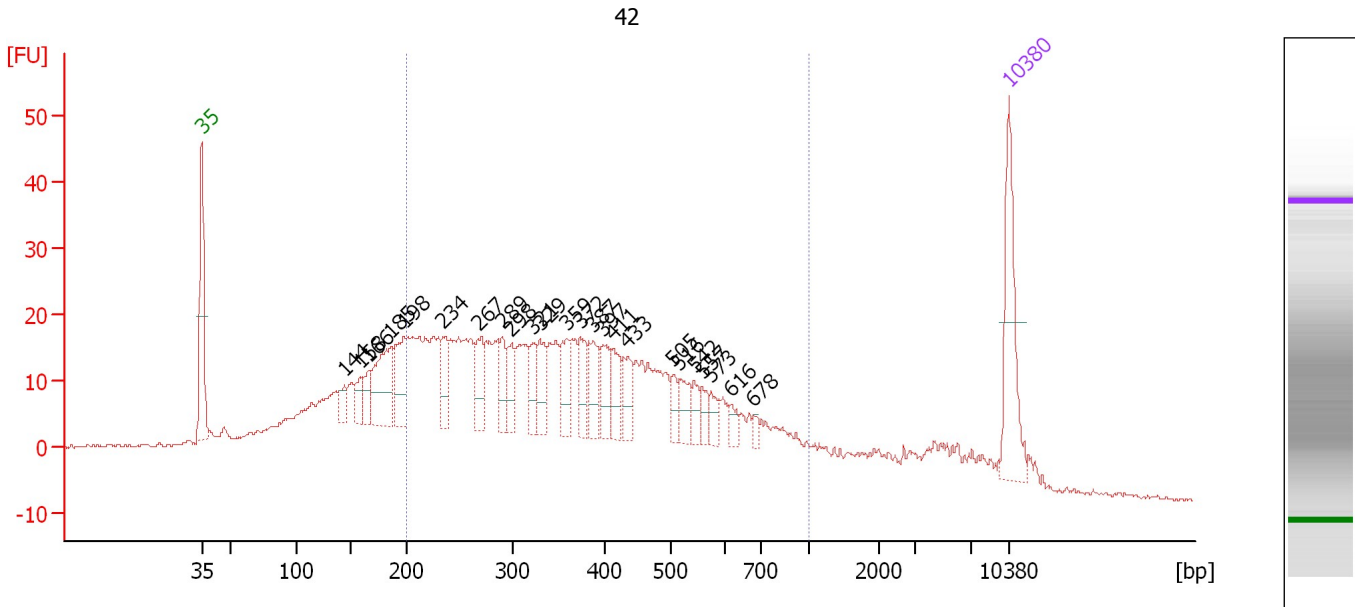
Region table for sample 4 : 38

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	419	1,062.3	10,946.7	2,490.50	70	39.1

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-10\2015-11-10_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 5 : 42

Number of peaks found: 24 Corr. Area 1: 747.7
 Noise: 0.2

Peak table for sample 5 : 42

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	144	18.33	193.4		55.35
3	158	23.98	229.9		56.74
4	166	23.65	216.1		57.48
5	185	90.71	742.2		59.33
6	198	58.48	446.9		60.58
7	234	36.66	237.8		63.87
8	267	42.95	243.7		66.97
9	289	29.43	154.1		69.05
10	298	31.79	161.7		69.83
11	321	29.26	137.9		71.73
12	329	37.61	173.3		72.33
13	359	38.30	161.9		74.69
14	372	32.06	130.4		75.80
15	387	41.34	161.9		76.96
16	397	34.15	130.2		77.79
17	411	31.65	116.7		78.62
18	433	27.63	96.7		79.87
19	505	16.41	49.3		83.90
20	516	25.86	75.9		84.45
21	542	16.04	44.8		85.70
22	557	12.55	34.1		86.40
23	573	13.39	35.4		87.18
24	616	10.45	25.7		88.94
25	678	6.73	15.0		90.84

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-10\2015-11-10_001.xad

Created: 11/10/2015 9:22:48 AM
Modified: 11/10/2015 10:14:57 AM

Electropherogram Summary Continued ...**... Peak table for sample 5 : 42**

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

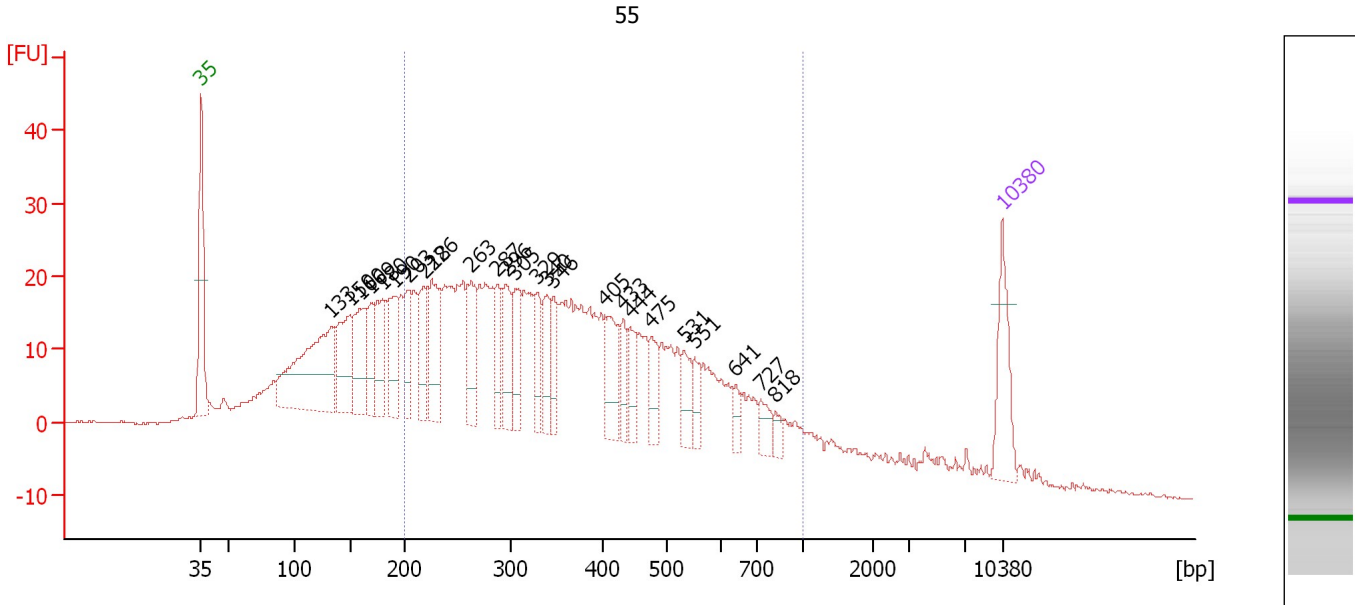
Region table for sample 5 : 42

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	401	747.7	7,807.2	1,702.27	66	40.2

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-10\2015-11-10_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 6 : 55

Number of peaks found: 25 Corr. Area 1: 828.1
 Noise: 0.1

Peak table for sample 6 : 55

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	133	328.97	3,736.8		54.37
3	150	132.74	1,342.4		55.96
4	160	129.20	1,226.6		56.89
5	169	68.99	617.3		57.82
6	180	101.12	853.1		58.80
7	190	96.78	770.4		59.82
8	203	70.97	529.4		61.04
9	218	91.97	638.7		62.43
10	226	132.17	887.3		63.13
11	263	93.35	538.1		66.58
12	287	68.77	362.4		68.87
13	296	76.56	391.9		69.66
14	305	78.92	392.4		70.40
15	329	59.89	275.6		72.36
16	340	62.21	277.4		73.20
17	346	52.53	229.9		73.71
18	405	83.20	311.3		78.28
19	433	39.71	139.0		79.86
20	444	46.12	157.6		80.47
21	475	49.62	158.4		82.24
22	531	43.36	123.6		85.18
23	551	31.82	87.5		86.11
24	641	20.70	49.0		89.70
25	727	27.58	57.5		91.89

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-10\2015-11-10_001.xad

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Electropherogram Summary Continued ...

... Peak table for sample 6 : 55

Peak	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	818	13.44	24.9		93.15
27	10,380	75.00	10.9	Upper Marker	113.00

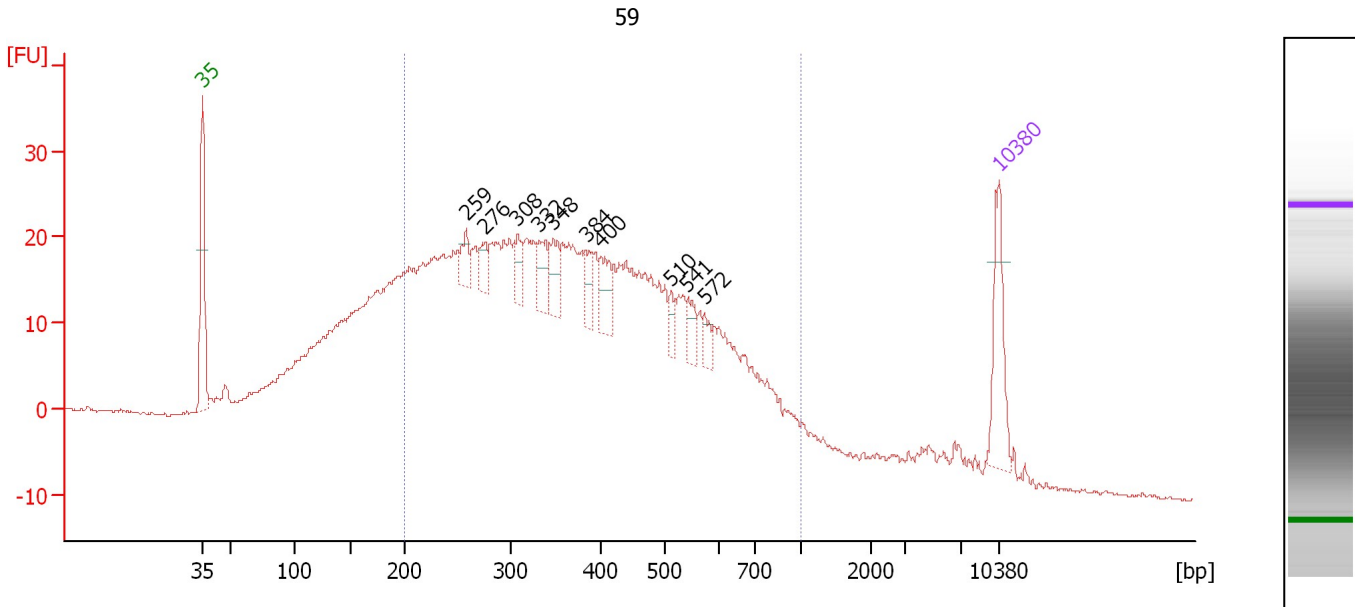
Region table for sample 6 : 55

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	395	828.1	13,312.3	2,865.97	65	40.3

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-10\2015-11-10_001.xad

Created: 11/10/2015 9:22:48 AM
 Modified: 11/10/2015 10:14:57 AM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 59

Number of peaks found: 10 Corr. Area 1: 900.8
 Noise: 0.2

Peak table for sample 7 : 59

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	259	30.37	177.9		66.19
3	276	27.09	148.8		67.79
4	308	36.05	177.1		70.69
5	332	47.51	216.5		72.61
6	348	42.04	183.2		73.83
7	384	26.13	103.2		76.69
8	400	46.35	175.6		78.00
9	510	18.36	54.6		84.14
10	541	28.54	79.9		85.64
11	572	16.86	44.6		87.14
12	10,380	75.00	10.9	Upper Marker	113.00

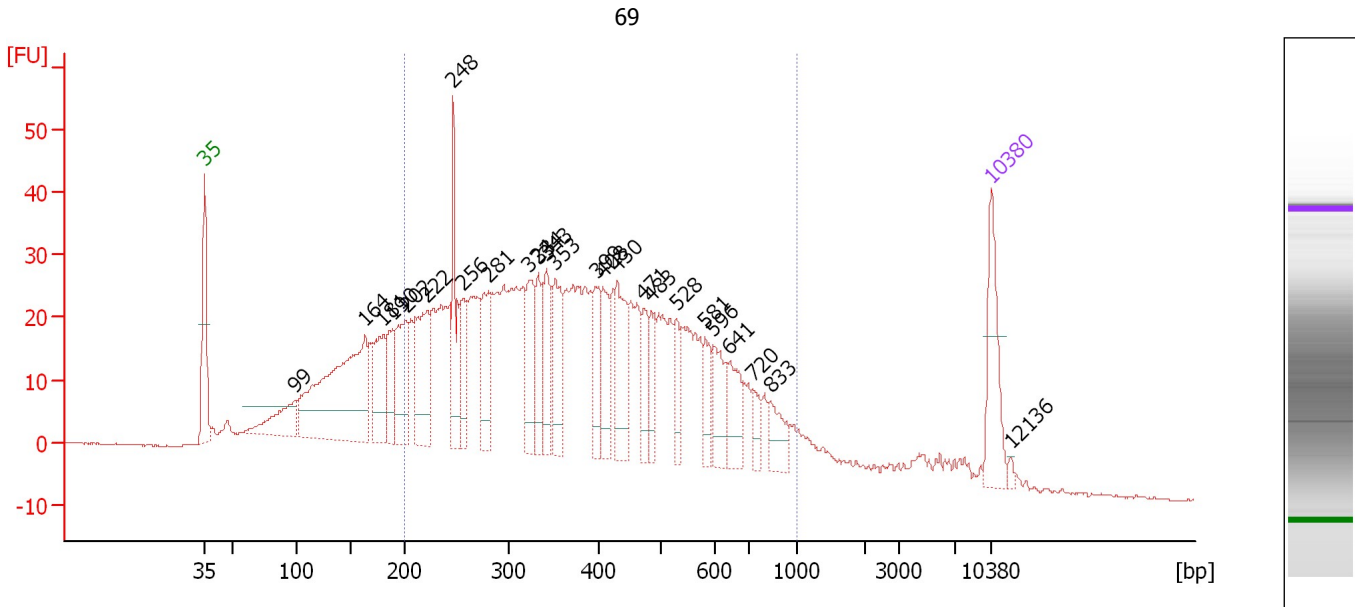
Region table for sample 7 : 59

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	404	900.8	15,811.8	3,500.18	72	38.7

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-10\2015-11-10_001.xad

Created: 11/10/2015 9:22:48 AM
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Electropherogram Summary Continued ...



Overall Results for sample 8 : 69

Number of peaks found: 25 Corr. Area 1: 1,104.8
 Noise: 0.1

Peak table for sample 8 : 69

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	99	94.58	1,449.9		51.02
3	164	394.11	3,646.9		57.28
4	181	102.37	858.7		58.90
5	190	66.61	532.3		59.75
6	202	105.17	788.7		60.94
7	222	141.72	967.2		62.79
8	248	113.20	692.8		65.16
9	256	64.14	379.2		65.97
10	281	87.84	473.9		68.25
11	324	86.65	405.8		71.90
12	334	61.91	281.2		72.71
13	343	75.80	334.7		73.47
14	353	93.38	401.2		74.23
15	399	56.68	215.5		77.88
16	408	67.00	248.8		78.45
17	430	99.17	349.7		79.68
18	471	43.95	141.2		82.06
19	483	42.82	134.3		82.72
20	528	38.58	110.8		85.00
21	581	38.14	99.4		87.56
22	596	60.19	152.9		88.27
23	641	55.86	132.1		89.70
24	720	24.52	51.6		91.79
25	833	40.01	72.8		93.35

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-10\2015-11-10_001.xad

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Electropherogram Summary Continued ...**... Peak table for sample 8 : 69**

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
27	12,136	0.00	0.0		114.71

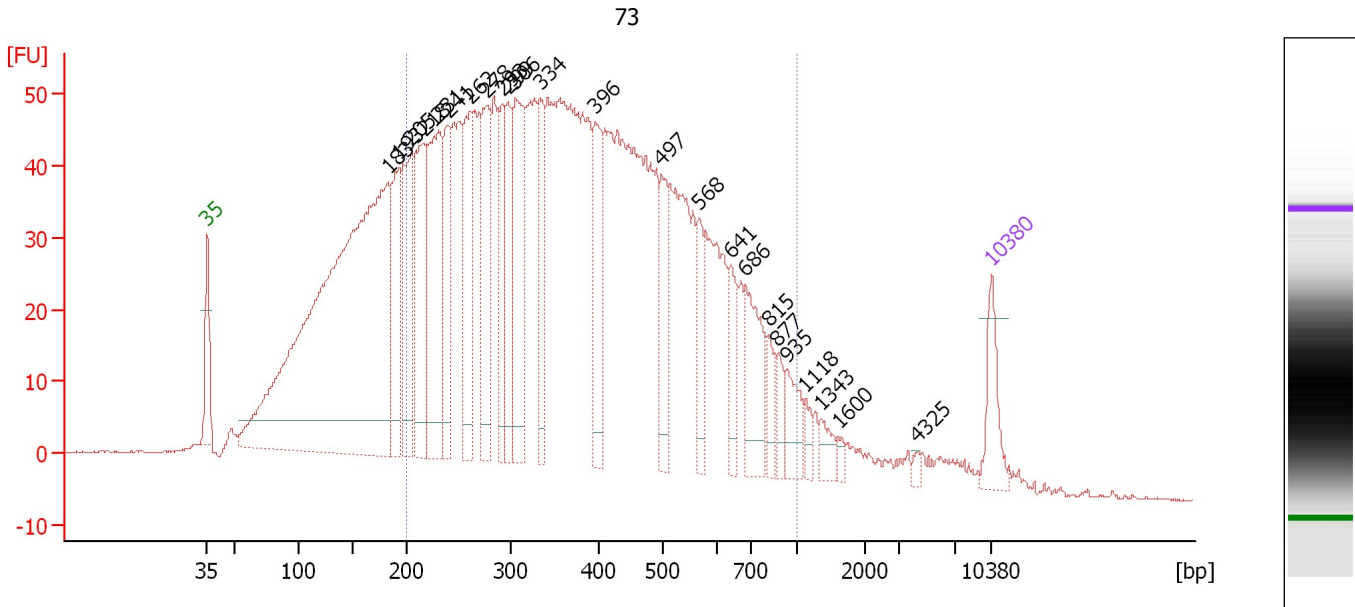
Region table for sample 8 : 69

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	411	1,104.8	12,779.1	2,865.47	73	39.1

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-10\2015-11-10_001.xad

Created: 11/10/2015 9:22:48 AM
 Modified: 11/10/2015 10:14:57 AM

Electropherogram Summary Continued ...



Overall Results for sample 9 : 73

Number of peaks found: 24 Corr. Area 1: 1,930.0
 Noise: 0.1

Peak table for sample 9 : 73

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	183	2,154.77	17,821.5		59.14
3	193	239.92	1,881.9		60.10
4	205	285.47	2,107.0		61.24
5	218	304.58	2,120.8		62.38
6	231	433.62	2,844.9		63.62
7	241	204.12	1,284.9		64.52
8	262	244.20	1,413.7		66.48
9	278	283.19	1,545.4		67.95
10	293	179.13	927.8		69.33
11	299	177.50	900.4		69.90
12	306	310.58	1,536.7		70.52
13	334	165.77	751.3		72.76
14	396	187.97	719.5		77.67
15	497	139.94	426.3		83.52
16	568	95.10	253.8		86.90
17	641	83.22	196.6		89.71
18	686	164.65	363.5		91.10
19	815	48.70	90.6		93.10
20	877	36.26	62.7		93.95
21	935	68.98	111.8		94.76
22	1,118	23.40	31.7		96.38
23	1,343	33.12	37.4		97.76
24	1,600	10.91	10.3		99.33
25	4,325	8.76	3.1		106.43

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-10\2015-11-10_001.xad

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Electropherogram Summary Continued ...**... Peak table for sample 9 : 73**

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

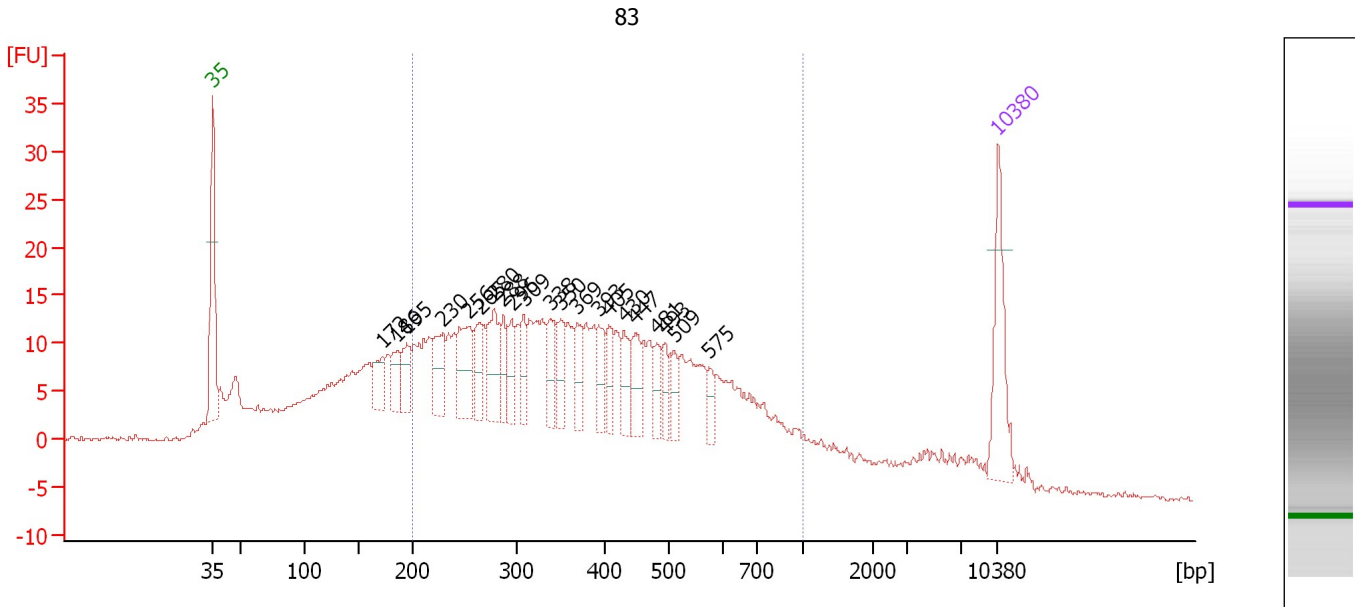
Region table for sample 9 : 73

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	405	1,930.0	33,374.3	7,383.27	72	39.4

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-10\2015-11-10_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 10 : 83

Number of peaks found: 21 Corr. Area 1: 553.0
 Noise: 0.2


Peak table for sample 10 : 83

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	172	42.09	369.9		58.11
3	186	34.72	282.3		59.44
4	195	41.78	324.1		60.30
5	230	62.05	408.8		63.53
6	256	84.88	503.2		65.91
7	265	48.01	274.2		66.81
8	280	73.19	396.5		68.14
9	288	36.60	192.7		68.90
10	296	38.52	197.2		69.66
11	309	36.23	177.6		70.75
12	338	34.75	155.6		73.08
13	350	41.78	181.1		73.98
14	369	36.73	150.9		75.51
15	393	34.65	133.5		77.45
16	405	32.01	119.6		78.31
17	430	37.99	134.0		79.69
18	447	39.83	134.9		80.68
19	481	24.89	78.4		82.59
20	493	24.23	74.4		83.30
21	509	27.51	81.9		84.11
22	575	20.14	53.1		87.24
23	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-10\2015-11-10_001.xad

Created: 11/10/2015 9:22:48 AM
Modified: 11/10/2015 10:14:57 AM

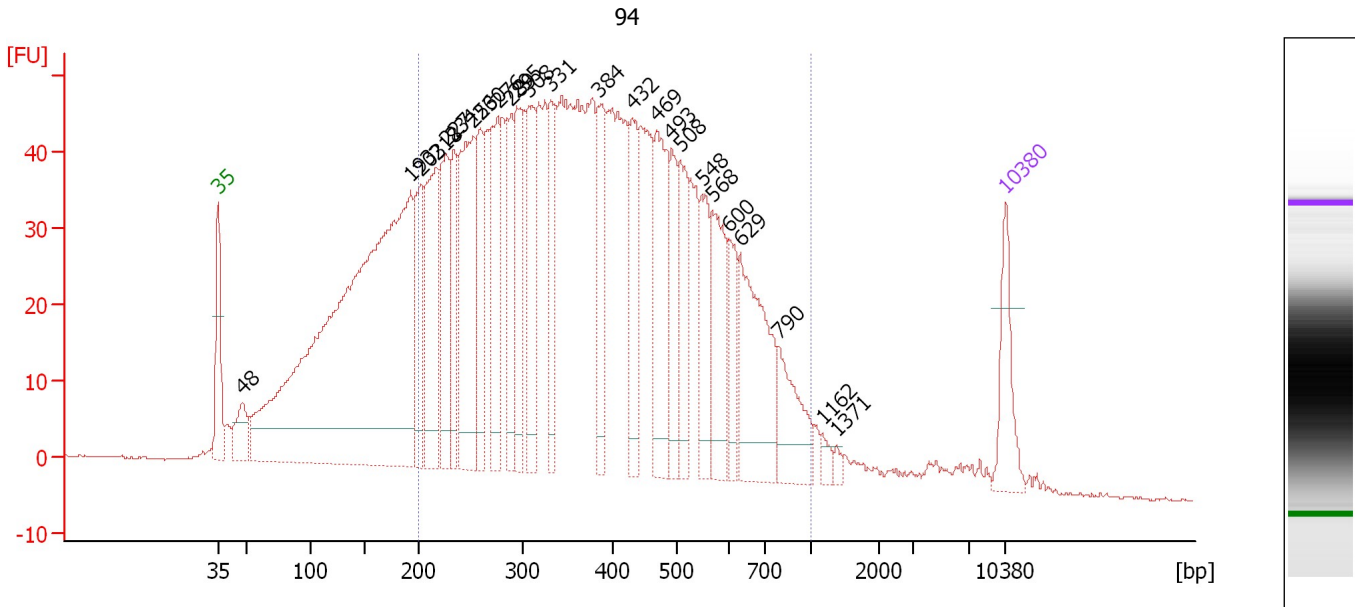
Electropherogram Summary Continued ...**... Region table for sample 10 : 83**

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	409	553.0	9,162.3	 2,045.42	67	39.3

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-10\2015-11-10_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 11 : 94

Number of peaks found: 25 Corr. Area 1: 1,792.3
 Noise: 0.1

Peak table for sample 11 : 94

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	48	81.90	2,577.1		45.13
3	193	1,743.78	13,667.5		60.11
4	203	170.82	1,276.1		61.01
5	218	284.84	1,983.1		62.38
6	227	210.20	1,404.1		63.24
7	234	136.42	883.4		63.90
8	253	352.14	2,109.9		65.65
9	260	158.49	923.5		66.32
10	276	198.07	1,085.9		67.83
11	289	154.80	811.2		69.02
12	295	156.35	803.7		69.54
13	308	193.51	953.3		70.63
14	331	136.94	626.2		72.53
15	384	146.80	578.9		76.74
16	432	133.19	467.0		79.82
17	469	216.00	698.0		81.91
18	493	108.67	333.9		83.28
19	508	135.14	403.3		84.04
20	548	119.40	329.9		85.99
21	568	151.15	403.0		86.93
22	600	67.84	171.3		88.45
23	629	235.98	568.1		89.35
24	790	110.35	211.5		92.76
25	1,162	13.66	17.8		96.65

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-10\2015-11-10_001.xad

Created: 11/10/2015 9:22:48 AM
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Electropherogram Summary Continued ...**... Peak table for sample 11 : 94**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	1,371	7.73	8.5		97.93
27	10,380	75.00	10.9	Upper Marker	113.00

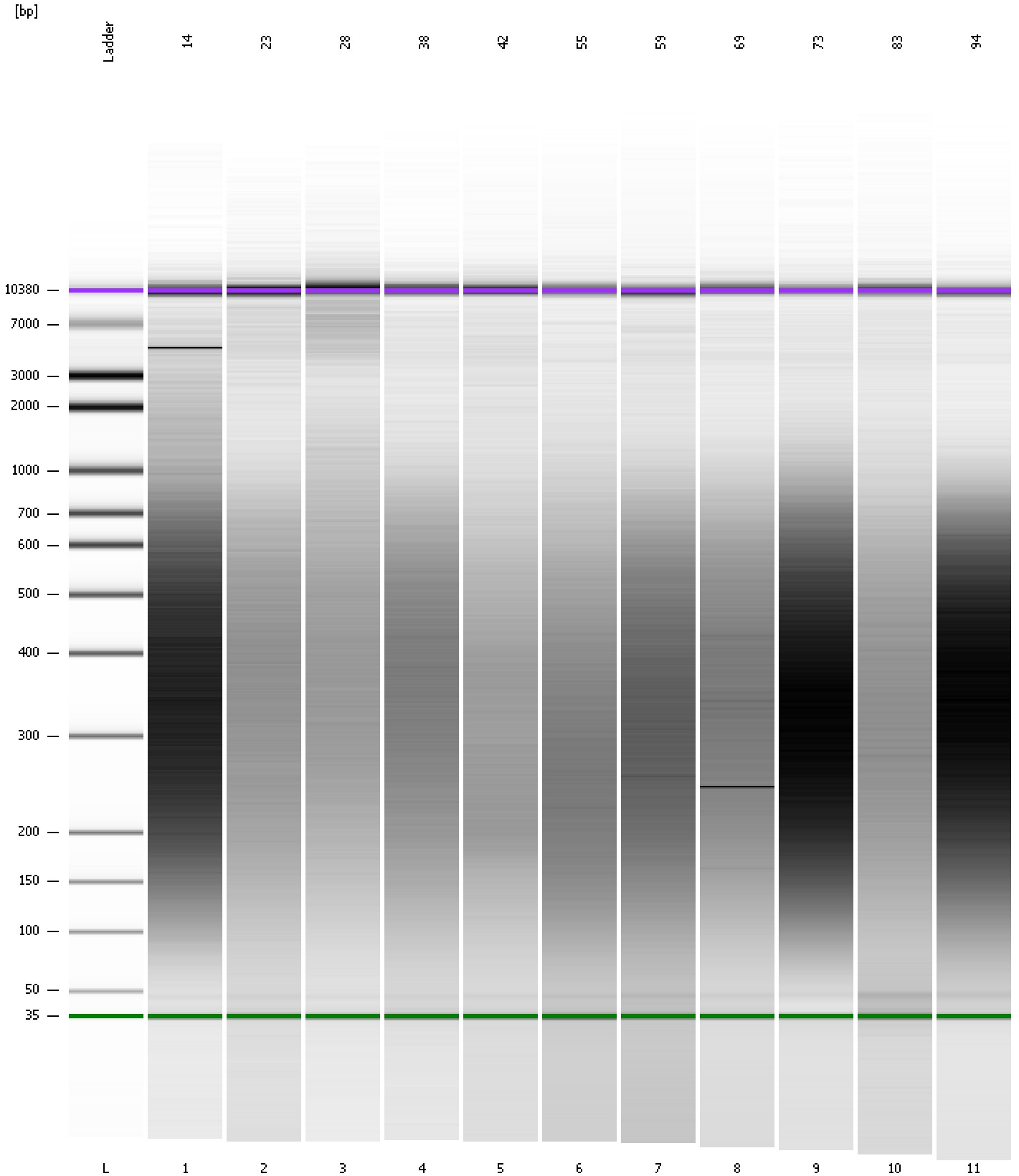
Region table for sample 11 : 94

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	405	1,792.3	24,758.3	5,521.87	74	37.8

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-10\2015-11-10_001.xad

Created: 11/10/2015 9:22:48 AM
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Gel Image

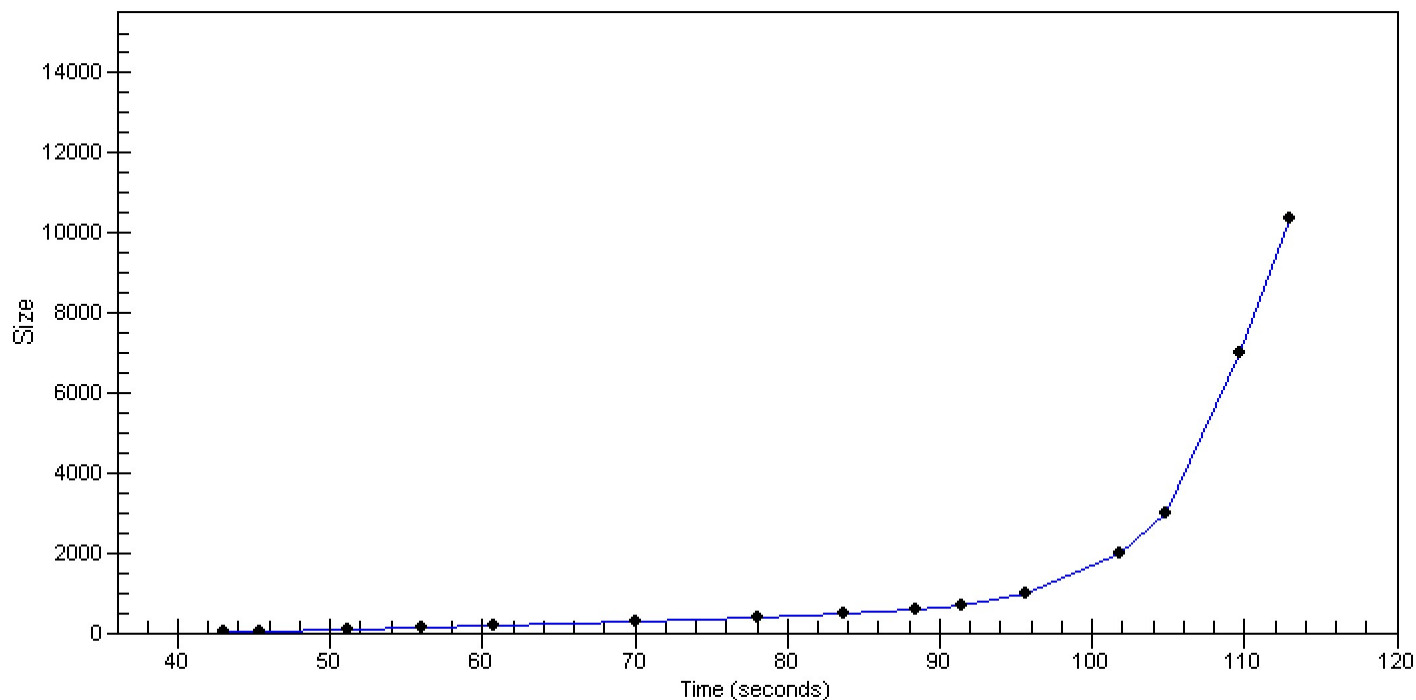


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-10\2015-11-10_001.xad

Created: 11/10/2015 9:22:48 AM
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Curves

Standard Curve



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-10\2015-11-10_001.xad

Created: 11/10/2015 9:22:48 AM
 Modified: 11/10/2015 10:14:57 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		11/10/2015 10:04:07 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2015-11-10\2015-11-10_001.xad)		Instrument	Run		11/10/2015 9:22:53 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		11/10/2015 9:22:53 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		11/10/2015 9:22:53 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		11/10/2015 9:22:53 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		11/10/2015 9:22:53 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		11/10/2015 9:22:53 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		11/10/2015 9:22:53 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1