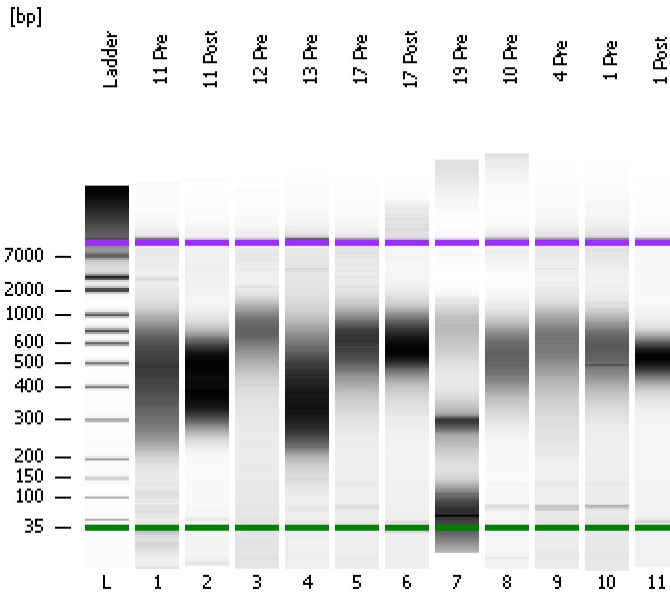


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2015-09-29\2015-09-29_001.xad

Created: 9/29/2015 9:55:35 AM
Modified: 9/29/2015 10:36:52 AM

Electrophoresis File Run Summary



Instrument Information:

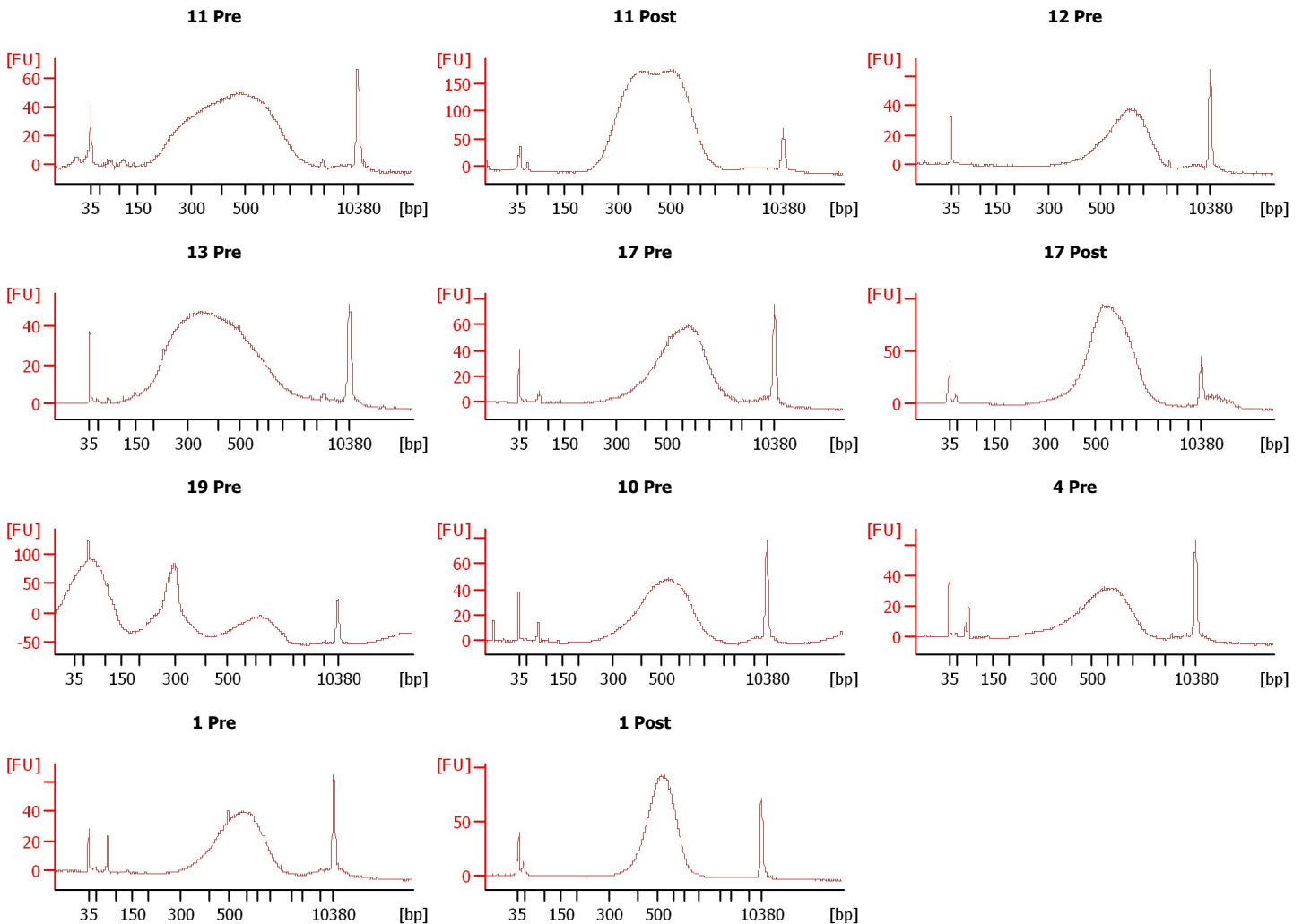
Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

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\2015-09-29\2015-09-29_001.xad

Created: 9/29/2015 9:55:35 AM
 Modified: 9/29/2015 10:36:52 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
11 Pre		<input type="checkbox"/>	✓			
11 Post		<input type="checkbox"/>	✓			
12 Pre		<input type="checkbox"/>	✓			
13 Pre		<input type="checkbox"/>	✓			
17 Pre		<input type="checkbox"/>	✓			
17 Post		<input type="checkbox"/>	✓			
19 Pre		<input type="checkbox"/>	✓			
10 Pre		<input type="checkbox"/>	✓			
4 Pre		<input type="checkbox"/>	✓			
1 Pre		<input type="checkbox"/>	✓			
1 Post		<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\2015-09-29\2015-09-29_001.xad

Created: 9/29/2015 9:55:35 AM
Modified: 9/29/2015 10:36:52 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

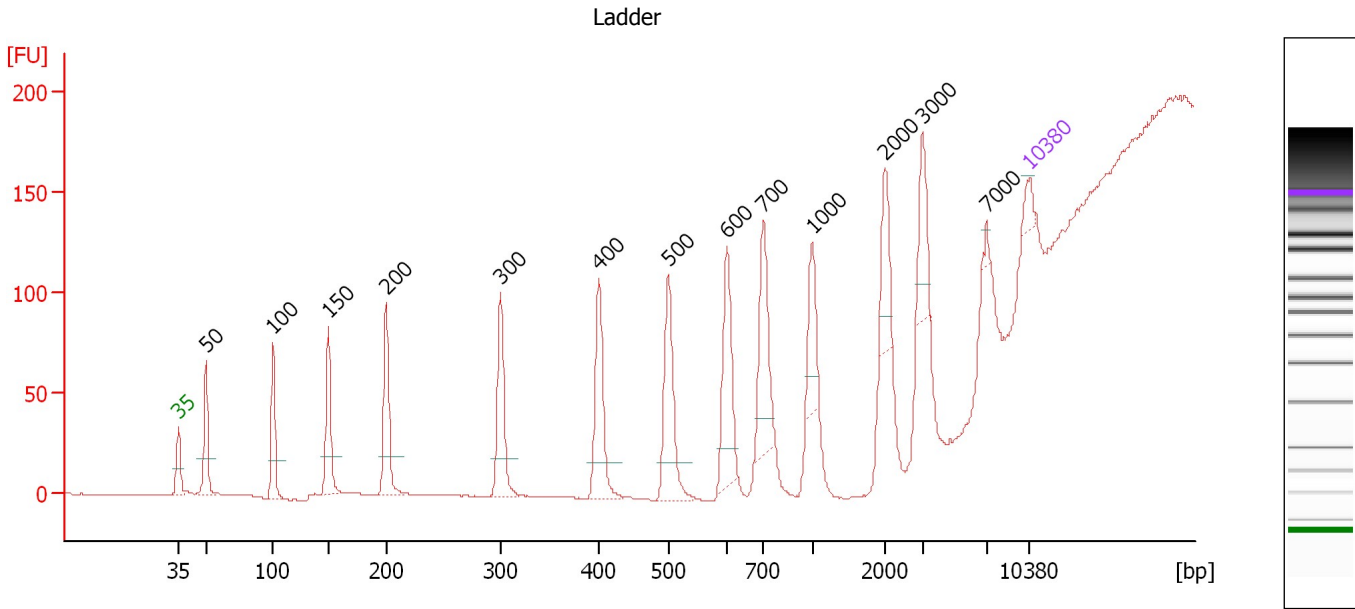
Ladder

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:\...ents and Settings\Bioanalyzer\2015-09-29\2015-09-29_001.xad

Created: 9/29/2015 9:55:35 AM
 Modified: 9/29/2015 10:36:52 AM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.1

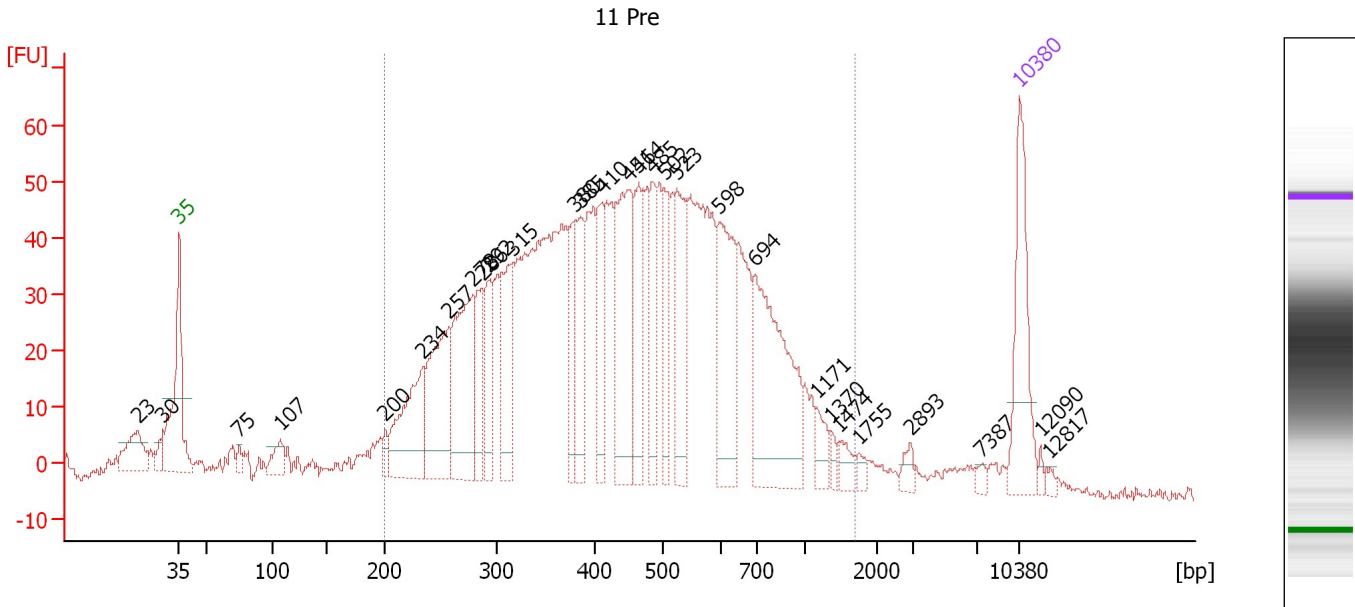
Peak table for Ladder

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	45.28
3	100	150.00	2,272.7	Ladder Peak	50.77
4	150	150.00	1,515.2	Ladder Peak	55.33
5	200	150.00	1,136.4	Ladder Peak	60.12
6	300	150.00	757.6	Ladder Peak	69.51
7	400	150.00	568.2	Ladder Peak	77.63
8	500	150.00	454.5	Ladder Peak	83.33
9	600	150.00	378.8	Ladder Peak	88.12
10	700	150.00	324.7	Ladder Peak	91.14
11	1,000	150.00	227.3	Ladder Peak	95.14
12	2,000	150.00	113.6	Ladder Peak	101.15
13	3,000	150.00	75.8	Ladder Peak	104.22
14	7,000	150.00	32.5	Ladder Peak	109.49
15	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-09-29\2015-09-29_001.xad

Created: 9/29/2015 9:55:35 AM
 Modified: 9/29/2015 10:36:52 AM

Electropherogram Summary Continued ...



Overall Results for sample 1 : 11 Pre

Number of peaks found: 29 Corr. Area 1: 1,842.1
 Noise: 0.6

Peak table for sample 1 : 11 Pre

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	23	0.00	0.0		39.54
2	30	0.00	0.0		41.62
3	35	125.00	5,411.3	Lower Marker	43.00
4	75	10.83	218.9		48.02
5	107	27.81	392.5		51.44
6	200	13.95	105.6		60.14
7	234	118.60	766.8		63.34
8	257	142.53	840.1		65.47
9	278	153.08	833.3		67.47
10	286	52.73	279.0		68.23
11	292	58.53	303.7		68.76
12	315	94.62	454.5		70.76
13	380	53.70	214.1		76.00
14	385	70.49	277.1		76.45
15	410	62.73	231.6		78.22
16	451	143.08	480.8		80.53
17	464	67.91	221.7		81.29
18	485	55.43	173.1		82.49
19	502	53.48	161.5		83.42
20	523	101.84	294.9		84.44
21	598	114.11	288.9		88.04
22	694	184.33	402.3		90.97
23	1,171	18.09	23.4		96.17
24	1,370	6.70	7.4		97.37
25	1,474	12.69	13.0		97.99

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-09-29\2015-09-29_001.xad

Created: 9/29/2015 9:55:35 AM
 Modified: 9/29/2015 10:36:52 AM

Electropherogram Summary Continued ...

... Peak table for sample 1 : 11 Pre

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	1,755	6.33	5.5		99.68
27	2,893	8.58	4.5		103.89
28	7,387	4.99	1.0		109.89
29	10,380	75.00	10.9	Upper Marker	113.00
30	12,090	0.00	0.0		114.78
31	12,817	0.00	0.0		115.53

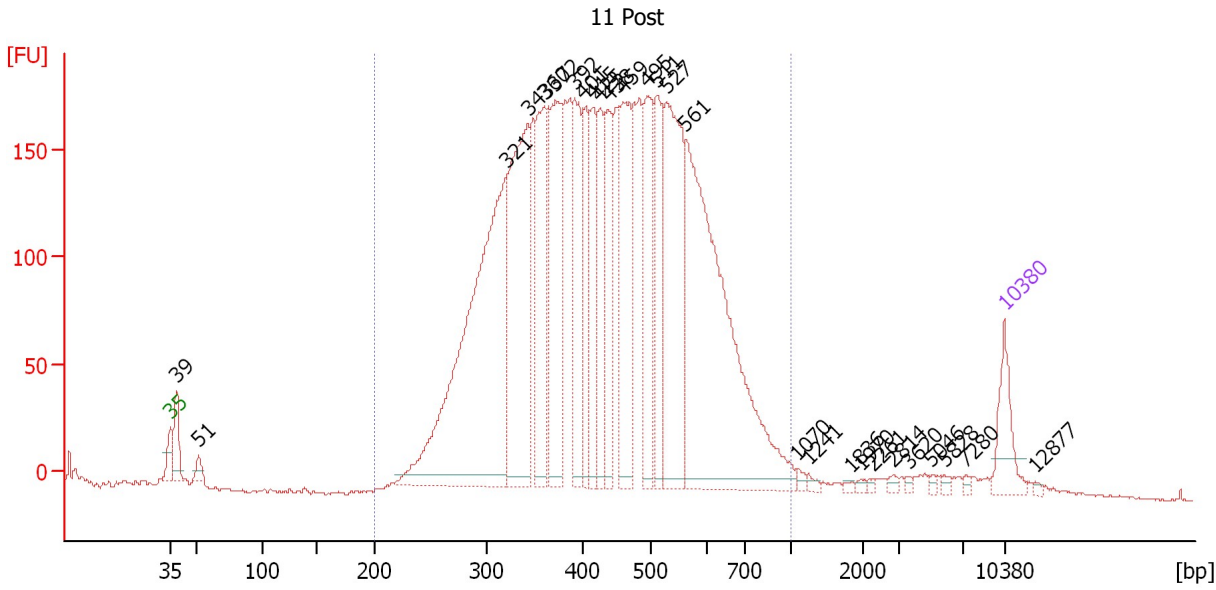
Region table for sample 1 : 11 Pre

From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]	Conc. [pg/μl]
200	485	1,687	1,842.1	10,269.8	91	44.6	2,646.22

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-09-29\2015-09-29_001.xad

Created: 9/29/2015 9:55:35 AM
 Modified: 9/29/2015 10:36:52 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 : 11 Post

Number of peaks found: 27 Corr. Area 1: 5,154.3
 Noise: 0.5

Peak table for sample 2 : 11 Post

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	39	97.08	3,788.7		43.58
3	51	27.47	819.3		45.37
4	321	1,144.69	5,400.8		71.22
5	343	592.81	2,617.4		73.01
6	360	291.19	1,224.7		74.40
7	372	347.89	1,417.6		75.34
8	392	248.69	962.1		76.95
9	401	187.71	709.9		77.66
10	415	171.65	627.0		78.47
11	425	182.90	652.1		79.05
12	438	206.81	716.2		79.77
13	459	323.91	1,068.2		81.02
14	495	256.03	784.1		83.03
15	511	212.11	628.3		83.88
16	527	465.32	1,336.8		84.64
17	561	944.41	2,550.5		86.25
18	1,070	8.94	12.7		95.56
19	1,241	7.80	9.5		96.58
20	1,836	4.33	3.6		100.16
21	1,970	5.11	3.9		100.97
22	2,261	4.26	2.9		101.95
23	2,814	6.93	3.7		103.65
24	3,620	4.41	1.8		105.04
25	5,046	5.28	1.6		106.92

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-09-29\2015-09-29_001.xad

Created: 9/29/2015 9:55:35 AM
 Modified: 9/29/2015 10:36:52 AM

Electropherogram Summary Continued ...

... Peak table for sample 2 : 11 Post

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	5,828	5.95	1.5		107.95
27	7,280	6.14	1.3		109.78
28	10,380	75.00	10.9	Upper Marker	113.00
29	12,877	0.00	0.0		115.59

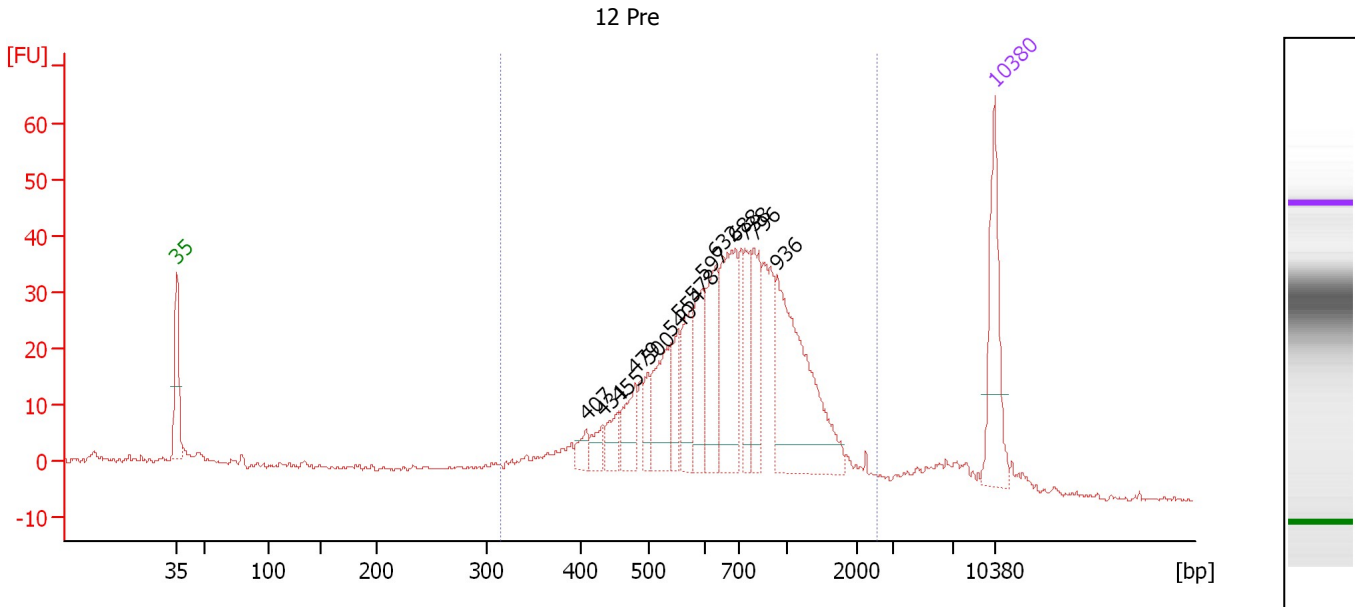
Region table for sample 2 : 11 Post

From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]	Conc. [pg/μl]
200	447	1,000	5,154.3	24,219.0	96	27.4	6,455.76

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-09-29\2015-09-29_001.xad

Created: 9/29/2015 9:55:35 AM
 Modified: 9/29/2015 10:36:52 AM

Electropherogram Summary Continued ...



Overall Results for sample 3 : 12 Pre

Number of peaks found: 14 Corr. Area 1: 691.7
 Noise: 0.4

Peak table for sample 3 : 12 Pre

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	407	17.03	63.4		78.05
3	431	18.65	65.5		79.41
4	455	25.88	86.1		80.78
5	479	42.72	135.0		82.15
6	500	22.09	66.9		83.34
7	540	71.80	201.4		85.26
8	554	31.02	84.9		85.89
9	578	53.94	141.3		87.08
10	597	65.19	165.3		87.99
11	632	75.98	182.1		89.09
12	688	121.23	267.0		90.78
13	738	47.29	97.1		91.64
14	796	60.72	115.6		92.42
15	936	190.85	308.8		94.29
16	10,380	75.00	10.9	Upper Marker	113.00

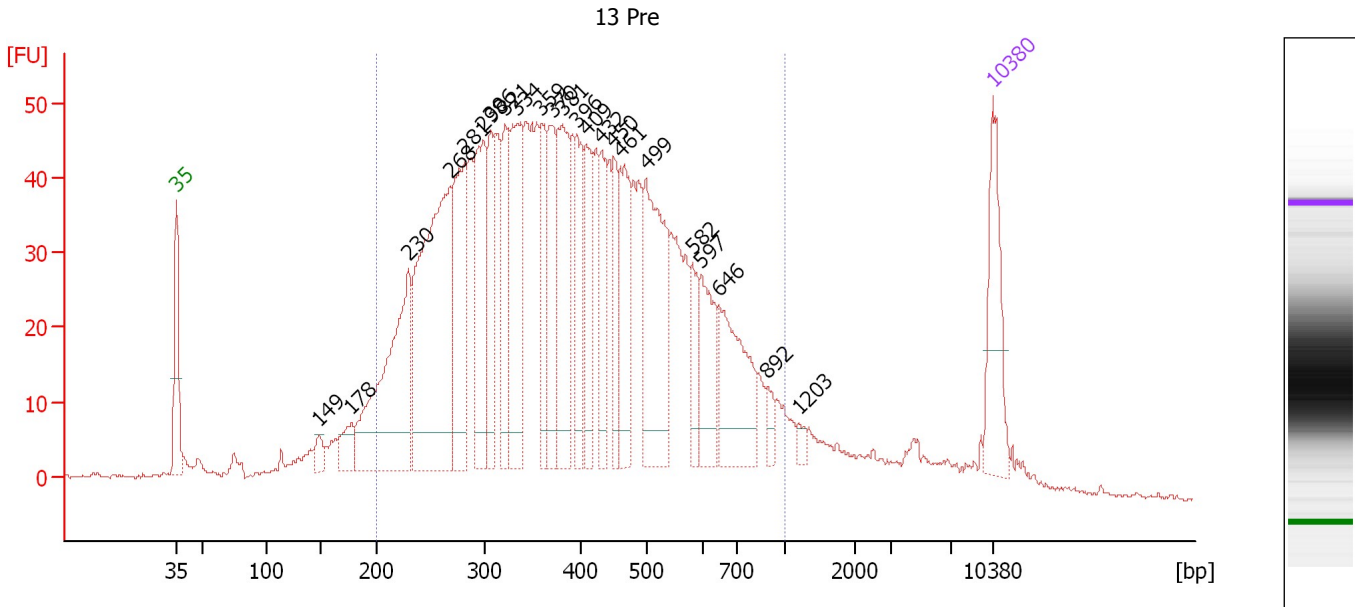
Region table for sample 3 : 12 Pre

From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]	Conc. [pg/μl]
314	777	2,588	691.7	2,638.8	91	44.7	1,118.73

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-09-29\2015-09-29_001.xad

Created: 9/29/2015 9:55:35 AM
 Modified: 9/29/2015 10:36:52 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : 13 Pre

Number of peaks found: 23 Corr. Area 1: 1,723.6
 Noise: 0.3


Peak table for sample 4 : 13 Pre

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	149	19.51	198.9		55.21
3	178	36.40	310.1		58.00
4	230	284.53	1,878.2		62.89
5	268	409.24	2,309.6		66.55
6	281	167.42	902.3		67.74
7	298	160.04	813.3		69.34
8	306	88.26	437.3		69.98
9	321	99.50	469.7		71.21
10	334	149.94	680.3		72.26
11	359	79.55	335.5		74.32
12	370	95.06	389.3		75.19
13	381	149.30	593.4		76.10
14	396	91.21	349.1		77.29
15	409	82.58	305.7		78.16
16	432	64.38	225.9		79.44
17	450	61.83	208.1		80.49
18	461	105.04	345.5		81.09
19	499	190.73	579.0		83.28
20	582	44.21	115.1		87.26
21	597	72.43	183.7		87.99
22	646	119.98	281.6		89.50
23	892	13.60	23.1		93.71
24	1,203	7.39	9.3		96.36
25	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2015-09-29\2015-09-29_001.xad

Created: 9/29/2015 9:55:35 AM
Modified: 9/29/2015 10:36:52 AM

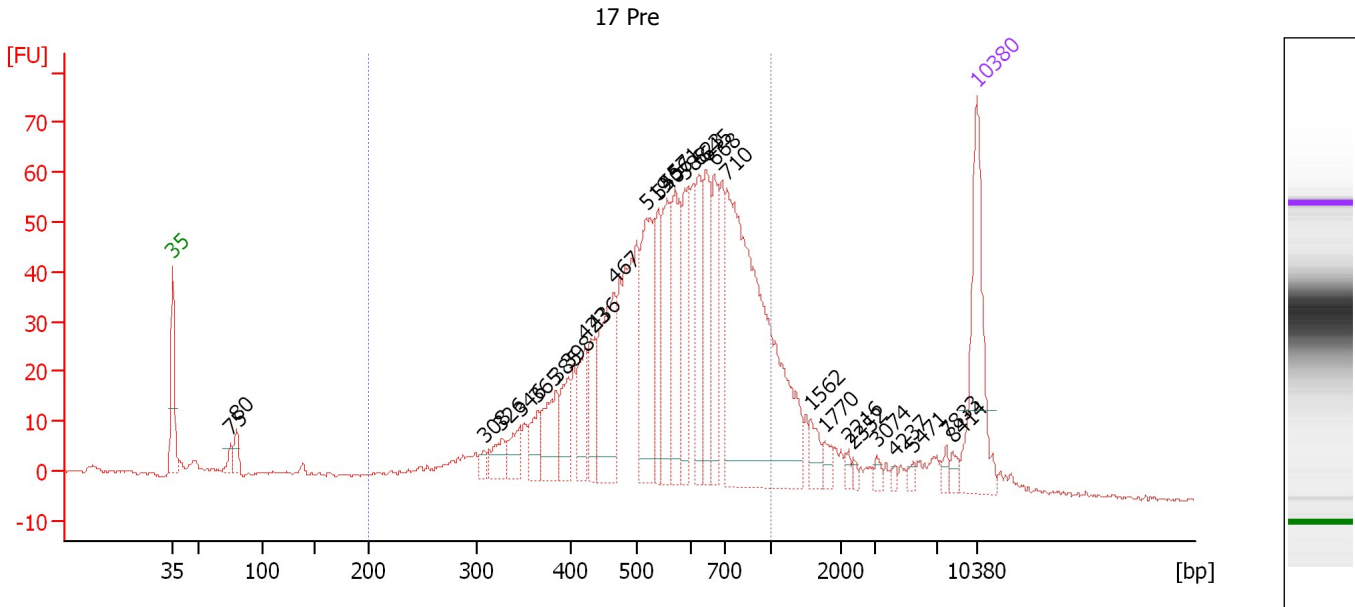
Electropherogram Summary Continued ...**... Region table for sample 4 : 13 Pre**

From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]	Conc. [pg/μl]
200	414	1,000	1,723.6	15,396.6	 88	36.4	3,564.59

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-09-29\2015-09-29_001.xad

Created: 9/29/2015 9:55:35 AM
 Modified: 9/29/2015 10:36:52 AM

Electropherogram Summary Continued ...



Overall Results for sample 5 : 17 Pre

Number of peaks found: 29 Corr. Area 1: 1,173.9
 Noise: 0.3

Peak table for sample 5 : 17 Pre

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	75	10.94	220.0		48.06
3	80	16.06	304.2		48.57
4	308	7.06	34.7		70.16
5	326	21.04	97.7		71.64
6	346	20.68	90.7		73.22
7	365	23.63	98.2		74.75
8	385	44.09	173.7		76.38
9	398	31.52	119.9		77.49
10	423	35.90	128.6		78.93
11	436	31.57	109.7		79.67
12	467	91.30	296.4		81.44
13	519	96.41	281.7		84.22
14	540	46.92	131.7		85.24
15	556	61.99	168.8		86.03
16	571	62.31	165.4		86.73
17	588	54.85	141.2		87.56
18	623	52.61	127.9		88.82
19	645	60.33	141.8		89.47
20	668	48.48	110.0		90.16
21	710	329.38	703.0		91.28
22	1,562	13.63	13.2		98.52
23	1,770	7.66	6.6		99.77
24	2,216	4.29	2.9		101.81
25	2,352	2.89	1.9		102.23

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-09-29\2015-09-29_001.xad

Created: 9/29/2015 9:55:35 AM
 Modified: 9/29/2015 10:36:52 AM

Electropherogram Summary Continued ...

... Peak table for sample 5 : 17 Pre

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	3,074	4.03	2.0		104.32
27	4,237	2.59	0.9		105.85
28	5,471	3.75	1.0		107.48
29	7,833	4.99	1.0		110.35
30	8,414	5.18	0.9		110.96
31	10,380	75.00	10.9	Upper Marker	113.00

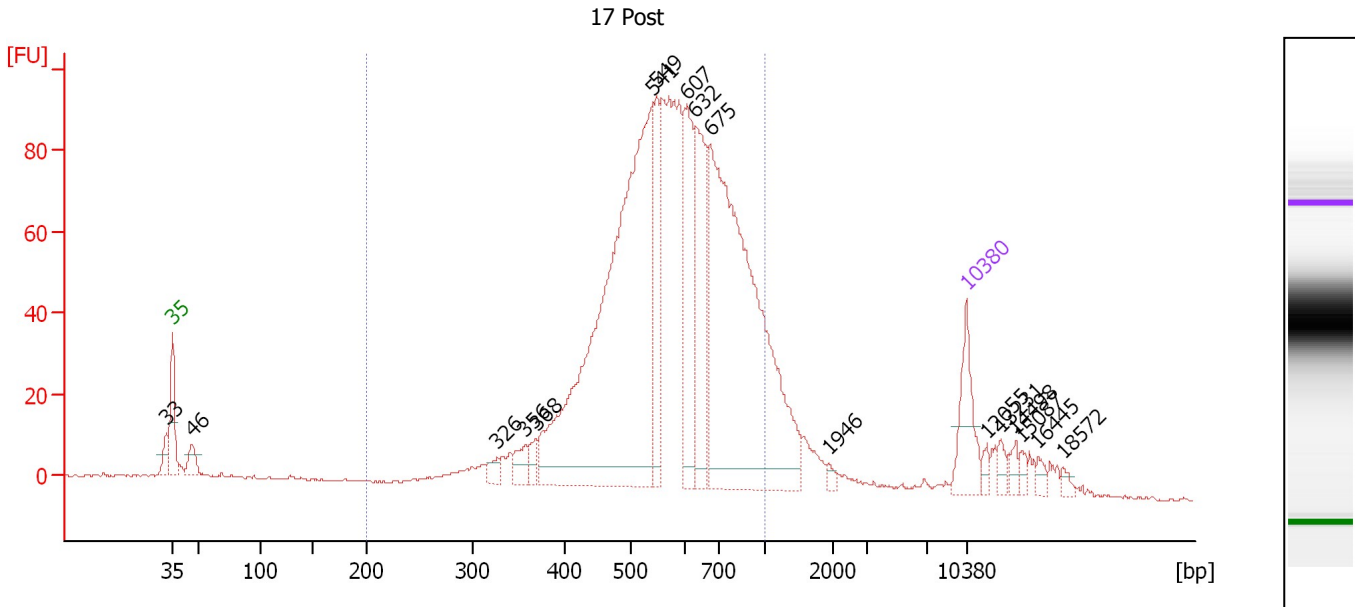
Region table for sample 5 : 17 Pre

From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]	Conc. [pg/μl]
200	580	1,000	1,173.9	4,091.4	83	28.0	1,384.89

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-09-29\2015-09-29_001.xad

Created: 9/29/2015 9:55:35 AM
 Modified: 9/29/2015 10:36:52 AM

Electropherogram Summary Continued ...



Overall Results for sample 6 : 17 Post

Number of peaks found: 17 Corr. Area 1: 1,549.5
 Noise: 0.4

Peak table for sample 6 : 17 Post

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	33	0.00	0.0		42.44
2	35	125.00	5,411.3	Lower Marker	43.00
3	46	42.37	1,391.8		44.69
4	326	21.66	100.6		71.63
5	356	33.68	143.2		74.07
6	368	25.10	103.4		75.01
7	541	1,107.79	3,100.5		85.31
8	549	137.87	380.4		85.69
9	607	209.15	522.3		88.32
10	632	216.90	520.4		89.07
11	675	904.28	2,029.8		90.39
12	1,946	8.82	6.9		100.82
13	10,380	75.00	10.9	Upper Marker	113.00
14	12,055	0.00	0.0		114.74
15	13,231	0.00	0.0		115.96
16	14,498	0.00	0.0		117.28
17	15,087	0.00	0.0		117.89
18	16,445	0.00	0.0		119.30
19	18,572	0.00	0.0		121.51

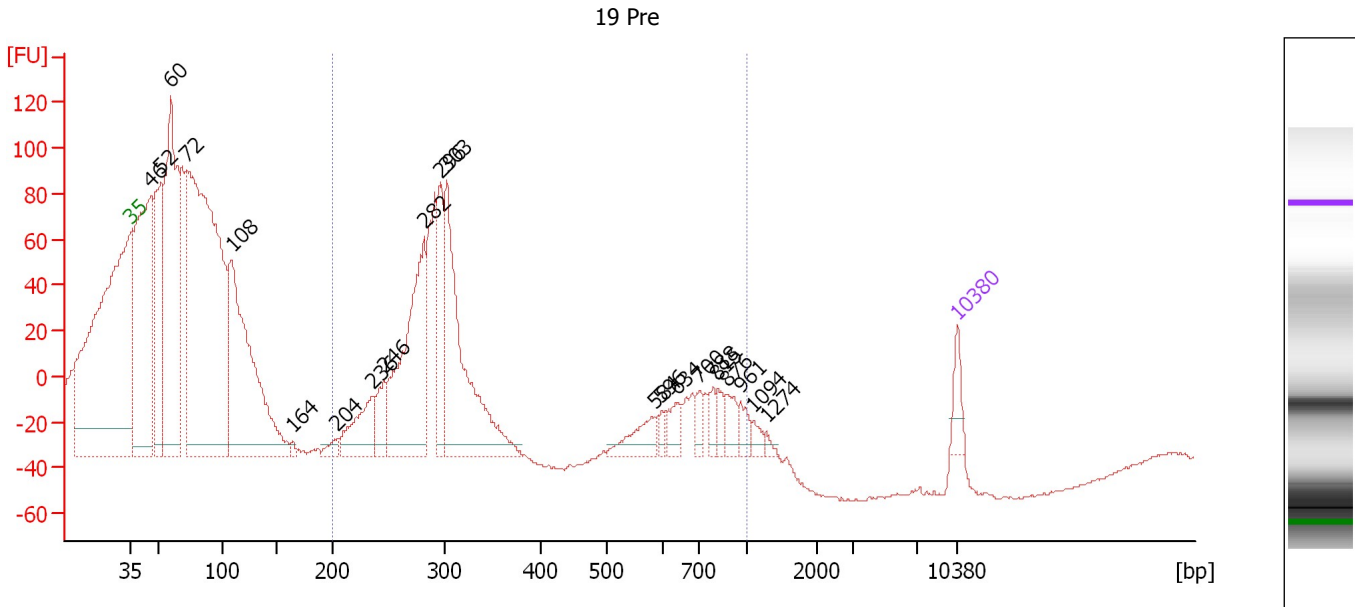
Region table for sample 6 : 17 Post

From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]	Conc. [pg/μl]
200	593	1,000	1,549.5	8,511.2	86	24.9	3,057.08

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-09-29\2015-09-29_001.xad

Created: 9/29/2015 9:55:35 AM
 Modified: 9/29/2015 10:36:52 AM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 19 Pre

Number of peaks found: 22 Corr. Area 1: 607.7
 Noise: 0.7


Peak table for sample 7 : 19 Pre

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	2,042.75	66,877.5		44.72
3	52	901.91	26,153.6		45.53
4	60	2,112.76	53,657.1		46.34
5	72	3,847.78	80,963.1		47.70
6	108	1,799.22	25,146.8		51.54
7	164	23.50	217.0		56.68
8	204	57.49	427.3		60.48
9	236	307.48	1,973.5		63.50
10	246	166.44	1,024.5		64.45
11	282	1,008.91	5,416.4		67.84
12	296	345.05	1,765.2		69.15
13	303	1,081.24	5,410.2		69.74
14	584	136.16	353.3		87.35
15	596	34.67	88.1		87.94
16	634	87.50	209.0		89.15
17	700	58.09	125.8		91.14
18	788	56.90	109.4		92.32
19	815	62.82	116.8		92.68
20	876	80.51	139.2		93.49
21	961	59.43	93.7		94.62
22	1,094	34.19	47.3		95.70
23	1,274	16.57	19.7		96.79
24	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2015-09-29\2015-09-29_001.xad

Created: 9/29/2015 9:55:35 AM
Modified: 9/29/2015 10:36:52 AM

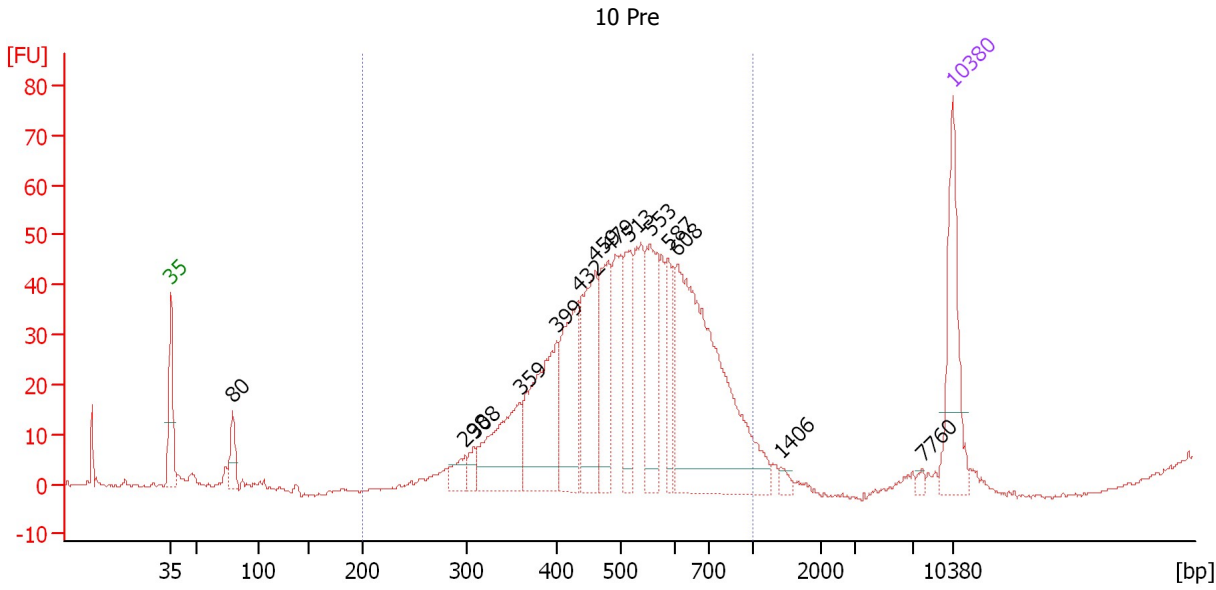
Electropherogram Summary Continued ...**... Region table for sample 7 : 19 Pre**

From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]	Conc. [pg/μl]
200	365	1,000	607.7	9,054.0	 25	49.5	1,841.23

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-09-29\2015-09-29_001.xad

Created: 9/29/2015 9:55:35 AM
 Modified: 9/29/2015 10:36:52 AM

Electropherogram Summary Continued ...



Overall Results for sample 8 : 10 Pre

Number of peaks found: 14 Corr. Area 1: 860.0
 Noise: 0.3

Peak table for sample 8 : 10 Pre

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	80	34.00	646.4		48.54
3	298	20.37	103.6		69.31
4	308	13.29	65.5		70.12
5	359	104.27	440.4		74.28
6	399	136.66	518.6		77.57
7	432	109.78	384.6		79.48
8	459	118.74	391.7		81.01
9	479	87.41	276.3		82.15
10	513	60.05	177.3		83.97
11	553	99.59	272.7		85.88
12	587	41.87	108.0		87.50
13	608	314.48	783.6		88.36
14	1,406	6.44	6.9		97.58
15	7,760	3.47	0.7		110.28
16	10,380	75.00	10.9	Upper Marker	113.00

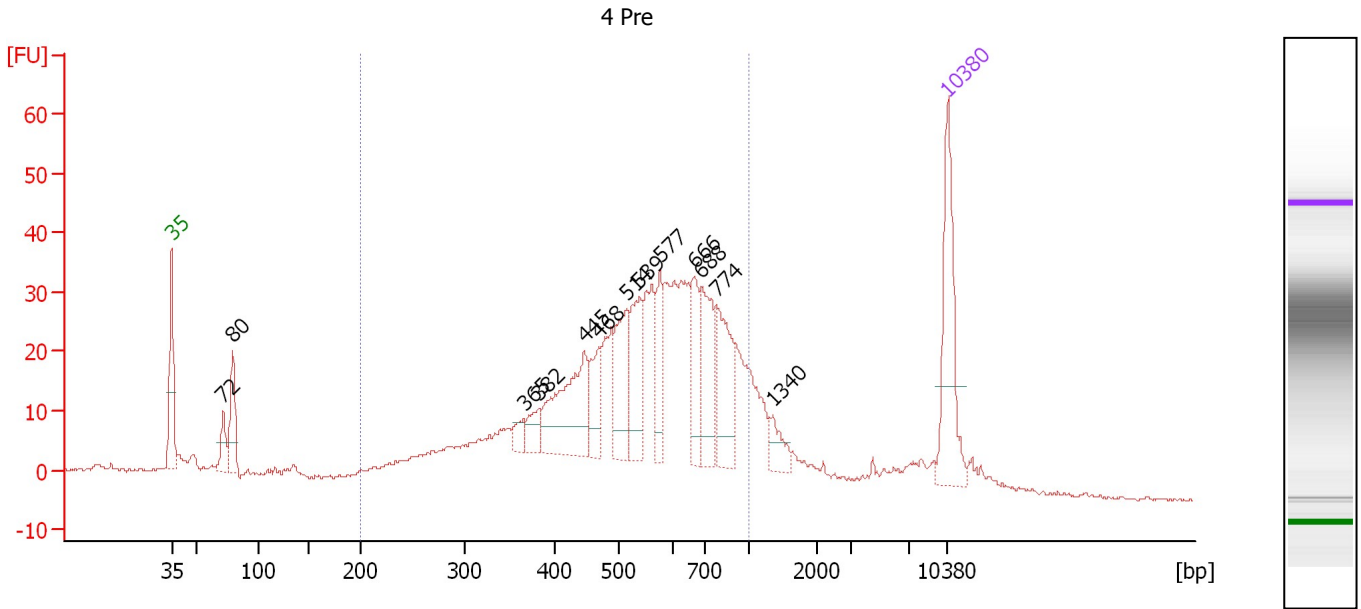
Region table for sample 8 : 10 Pre

From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]	Conc. [pg/μl]
200	530	1,000	860.0	3,491.2	96	24.7	1,126.82

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-09-29\2015-09-29_001.xad

Created: 9/29/2015 9:55:35 AM
 Modified: 9/29/2015 10:36:52 AM

Electropherogram Summary Continued ...



Overall Results for sample 9 : 4 Pre

Number of peaks found: 13 Corr. Area 1: 729.3
 Noise: 0.4

Peak table for sample 9 : 4 Pre

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	72	28.71	606.7		47.66
3	80	53.98	1,027.6		48.53
4	365	12.58	52.2		74.78
5	382	21.04	83.6		76.12
6	445	105.26	358.2		80.21
7	468	39.08	126.5		81.51
8	514	64.85	191.1		84.01
9	539	57.69	162.1		85.21
10	577	36.31	95.3		87.04
11	666	48.80	111.0		90.12
12	688	66.93	147.3		90.79
13	774	67.81	132.7		92.13
14	1,340	16.33	18.5		97.18
15	10,380	75.00	10.9	Upper Marker	113.00

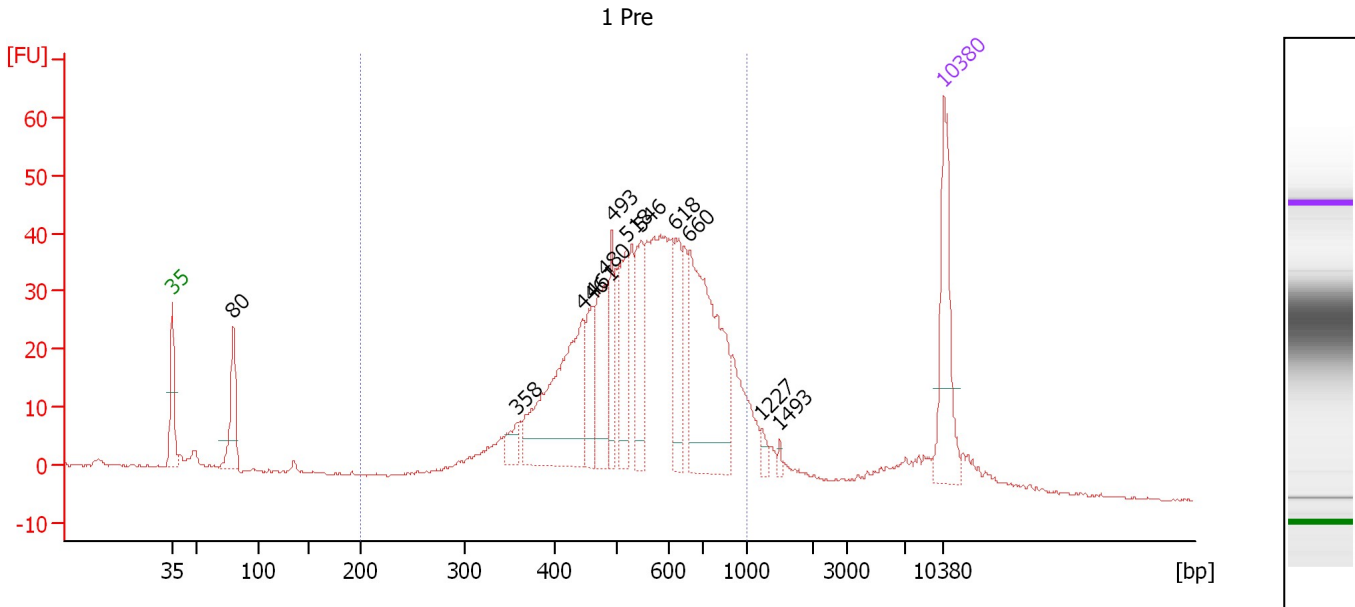
Region table for sample 9 : 4 Pre

From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]	Conc. [pg/μl]
200	558	1,000	729.3	3,680.0	80	30.8	1,158.78

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-09-29\2015-09-29_001.xad

Created: 9/29/2015 9:55:35 AM
 Modified: 9/29/2015 10:36:52 AM

Electropherogram Summary Continued ...



Overall Results for sample 10 : 1 Pre

Number of peaks found: 12 Corr. Area 1: 795.5
 Noise: 0.2

Peak table for sample 10 : 1 Pre

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	80	73.16	1,387.2		48.56
3	358	19.35	81.8		74.25
4	446	195.06	662.7		80.25
5	461	44.55	146.3		81.12
6	480	80.17	253.1		82.18
7	493	50.25	154.6		82.91
8	518	70.76	206.8		84.22
9	546	65.06	180.6		85.52
10	618	61.47	150.6		88.67
11	660	207.67	476.9		89.92
12	1,227	6.89	8.5		96.50
13	1,493	3.42	3.5		98.10
14	10,380	75.00	10.9	Upper Marker	113.00

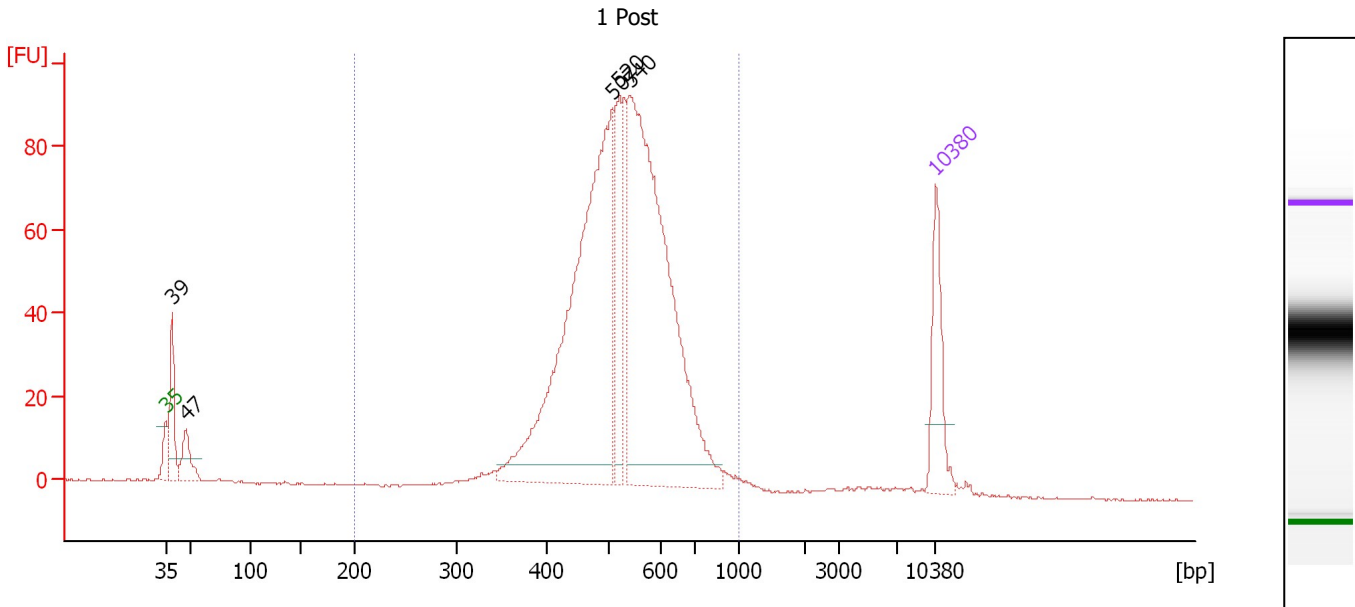
Region table for sample 10 : 1 Pre

From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]	Conc. [pg/μl]
200	566	1,000	795.5	3,787.8	84	26.2	1,287.82

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-09-29\2015-09-29_001.xad

Created: 9/29/2015 9:55:35 AM
 Modified: 9/29/2015 10:36:52 AM

Electropherogram Summary Continued ...



Overall Results for sample 11 : 1 Post

Number of peaks found: 5 Corr. Area 1: 1,159.2
 Noise: 0.2

Peak table for sample 11 : 1 Post

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	39	110.78	4,323.0		43.58
3	47	61.10	1,964.9		44.84
4	507	731.32	2,186.9		83.65
5	520	125.02	364.4		84.28
6	540	726.91	2,039.1		85.25
7	10,380	75.00	10.9	Upper Marker	113.00

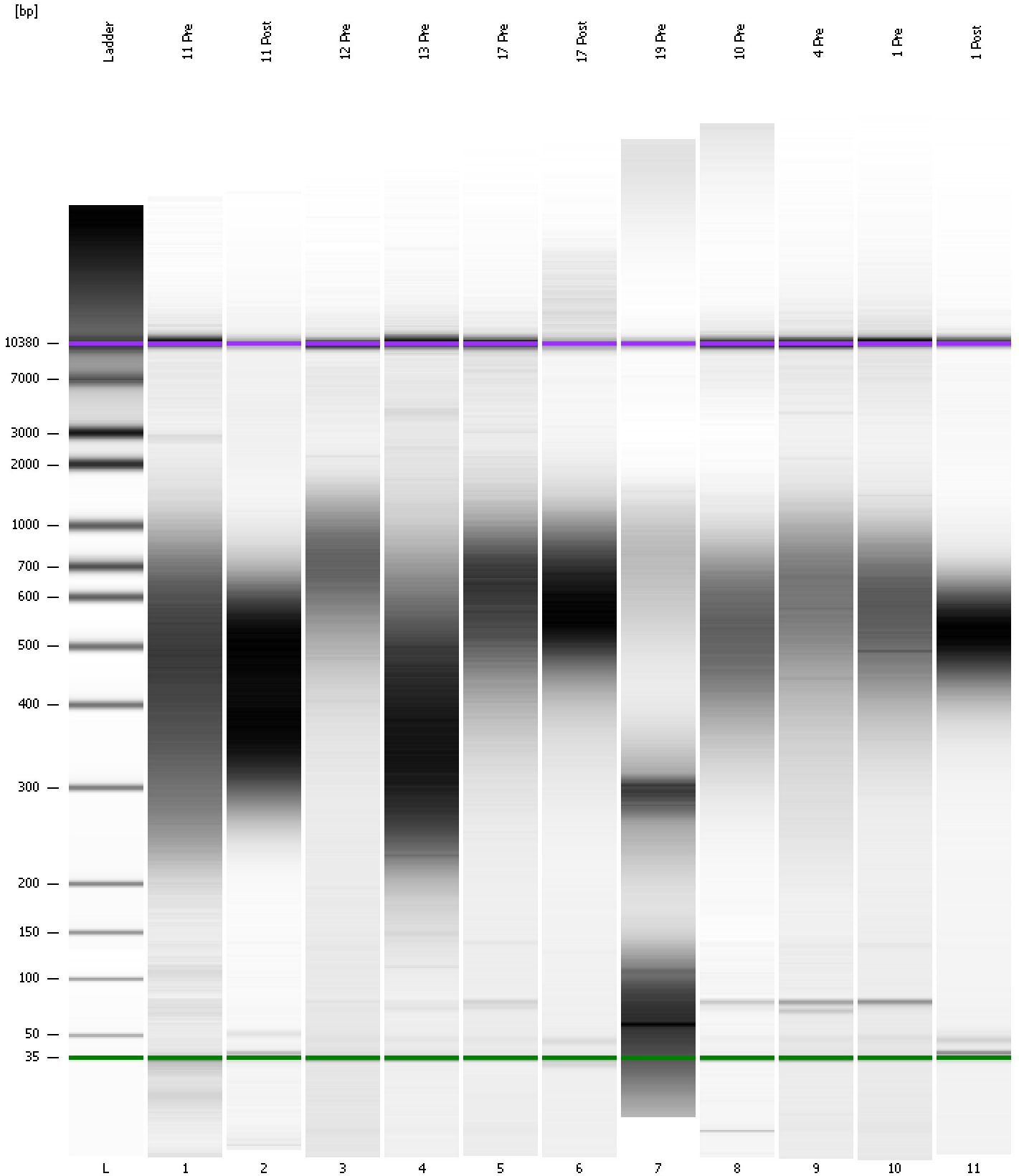
Region table for sample 11 : 1 Post

From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]	Conc. [pg/μl]
200	527	1,000	1,159.2	5,256.8	91	17.6	1,755.24

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2015-09-29\2015-09-29_001.xad

Created: 9/29/2015 9:55:35 AM
Modified: 9/29/2015 10:36:52 AM

Gel Image

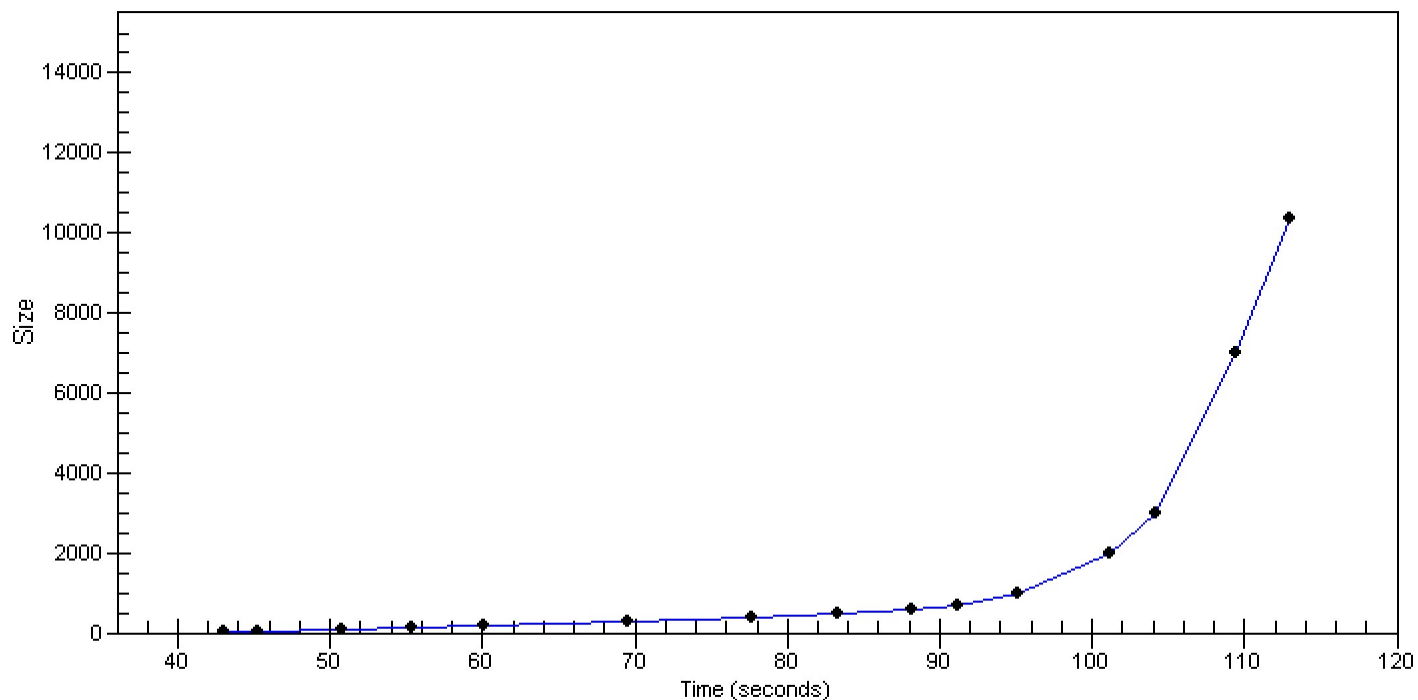


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2015-09-29\2015-09-29_001.xad

Created: 9/29/2015 9:55:35 AM
Modified: 9/29/2015 10:36:52 AM

Curves

Standard Curve



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-09-29\2015-09-29_001.xad

Created: 9/29/2015 9:55:35 AM
 Modified: 9/29/2015 10:36:52 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		9/29/2015 10:36:51 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2015-09-29\2015-09-29_001.xad)		Instrument	Run		9/29/2015 9:55:40 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		9/29/2015 9:55:40 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		9/29/2015 9:55:40 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		9/29/2015 9:55:40 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		9/29/2015 9:55:40 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		9/29/2015 9:55:40 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		9/29/2015 9:55:40 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1