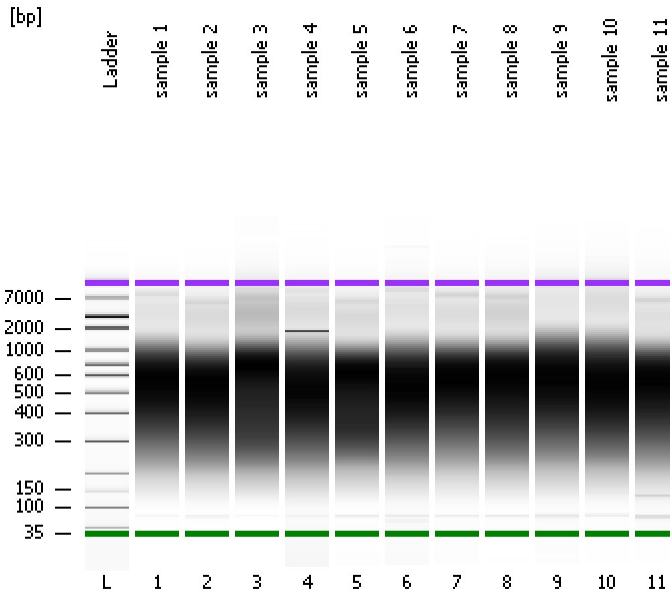


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-20\2015-05-20_002.xad

Created: 5/20/2015 10:09:32 AM
Modified: 5/20/2015 11:00:50 AM

Electrophoresis File Run Summary



Instrument Information:

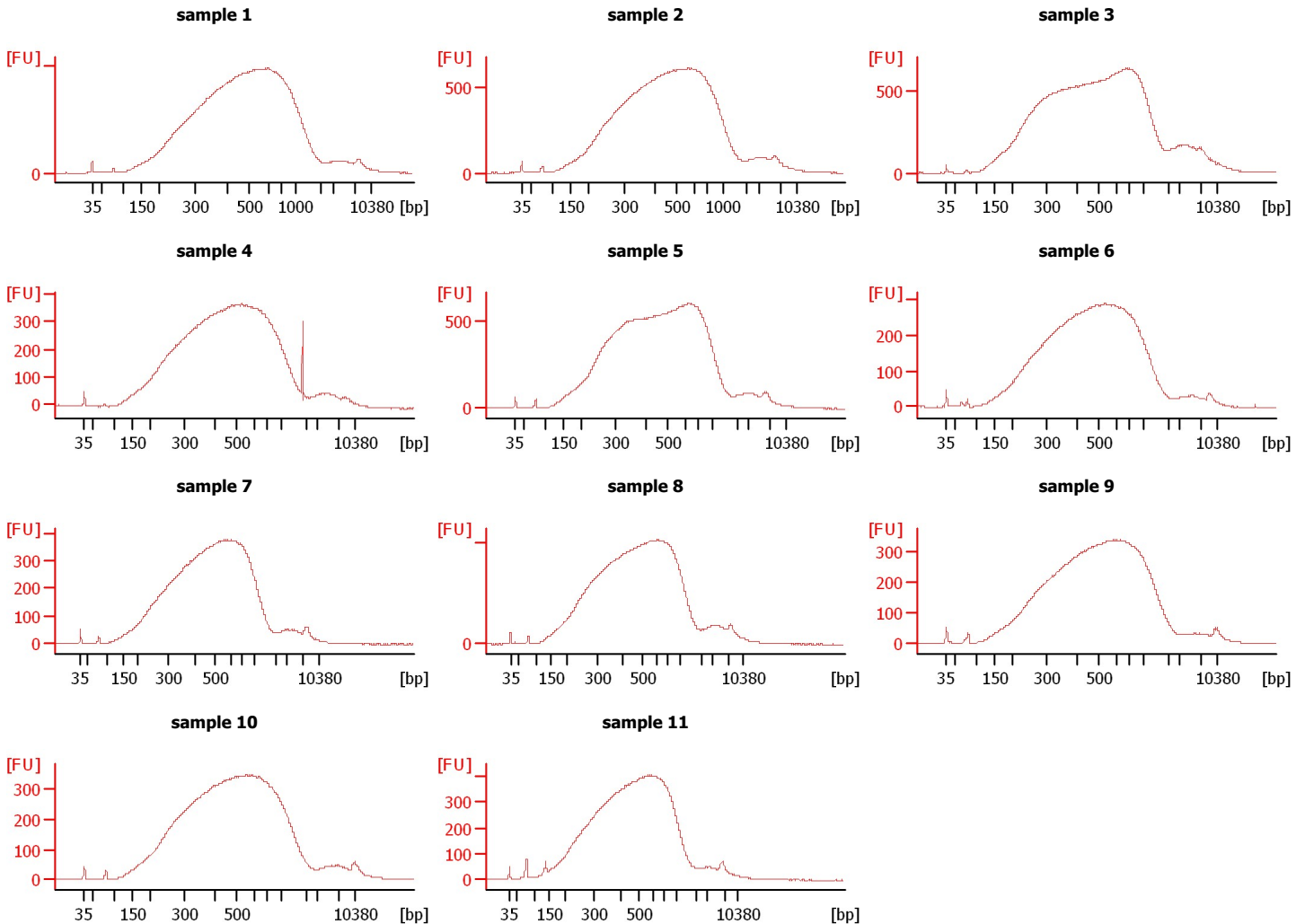
Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

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\2015-05-20\2015-05-20_002.xad

Created: 5/20/2015 10:09:32 AM
 Modified: 5/20/2015 11:00:50 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:\...ents and Settings\Bioanalyzer\2015-05-20\2015-05-20_002.xad

Created: 5/20/2015 10:09:32 AM
Modified: 5/20/2015 11:00:50 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

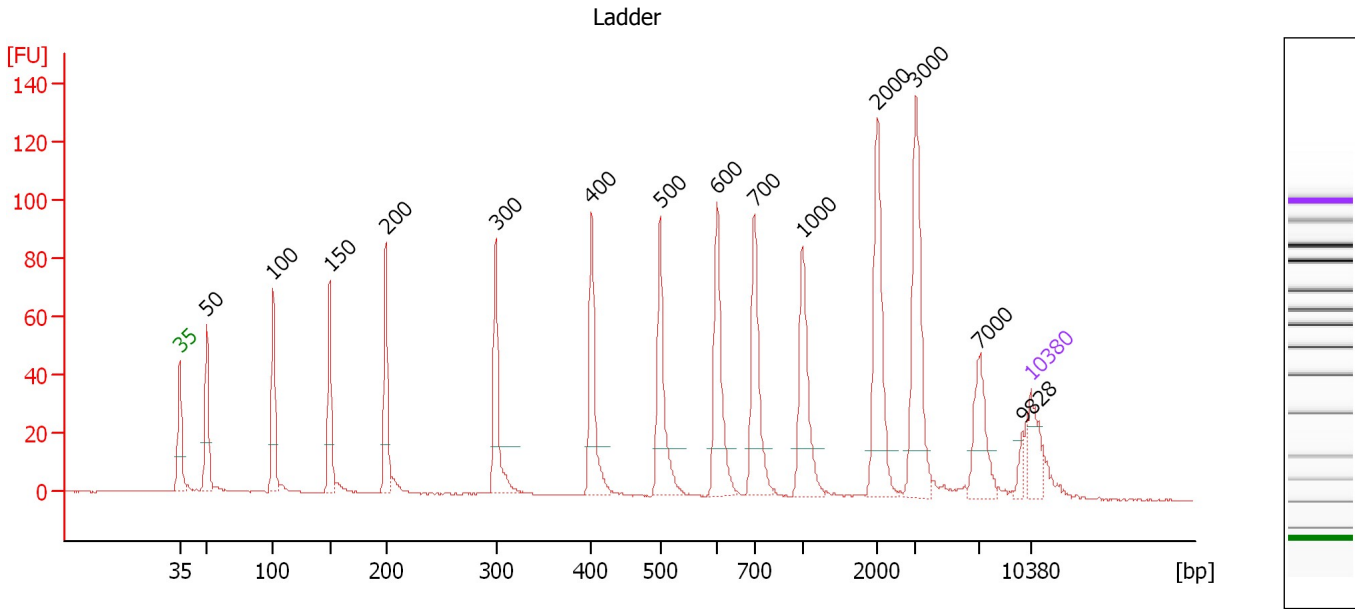
Ladder

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\2015-05-20\2015-05-20_002.xad

Created: 5/20/2015 10:09:32 AM
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Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

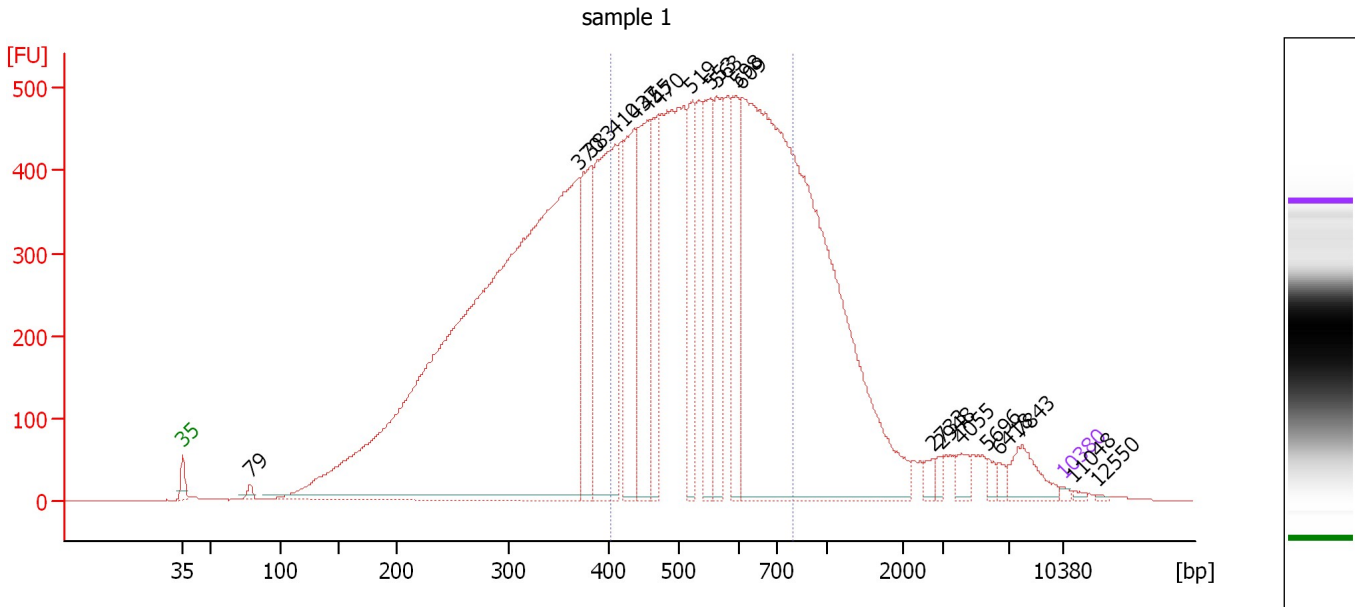
Peak table for Ladder

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	45.24
3	100	150.00	2,272.7	Ladder Peak	50.71
4	150	150.00	1,515.2	Ladder Peak	55.36
5	200	150.00	1,136.4	Ladder Peak	59.96
6	300	150.00	757.6	Ladder Peak	68.99
7	400	150.00	568.2	Ladder Peak	76.88
8	500	150.00	454.5	Ladder Peak	82.49
9	600	150.00	378.8	Ladder Peak	87.18
10	700	150.00	324.7	Ladder Peak	90.25
11	1,000	150.00	227.3	Ladder Peak	94.20
12	2,000	150.00	113.6	Ladder Peak	100.38
13	3,000	150.00	75.8	Ladder Peak	103.53
14	7,000	150.00	32.5	Ladder Peak	108.70
15	9,828	0.00	0.0		112.30
16	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-20\2015-05-20_002.xad

Created: 5/20/2015 10:09:32 AM
 Modified: 5/20/2015 11:00:50 AM

Electropherogram Summary Continued ...



Overall Results for sample 1 : sample 1

Number of peaks found: 20 Corr. Area 1: 8,685.6
 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	79	255.86	4,921.7		48.39
3	370	47,671.00	195,457.5		74.48
4	383	4,682.49	18,524.9		75.54
5	410	8,631.24	31,889.5		77.45
6	437	5,240.83	18,189.2		78.93
7	455	4,718.54	15,696.8		79.99
8	470	3,560.55	11,482.4		80.80
9	519	3,105.95	9,065.9		83.39
10	553	3,719.84	10,200.1		84.96
11	563	2,944.33	7,930.8		85.42
12	598	3,152.24	7,989.7		87.08
13	609	32,758.04	81,492.7		87.46
14	2,733	250.57	138.9		102.69
15	2,948	192.66	99.0		103.37
16	4,055	360.75	134.8		104.90
17	5,696	215.35	57.3		107.02
18	6,418	187.64	44.3		107.95
19	7,843	944.46	182.5		109.78
20	10,380	75.00	10.9	Upper Marker	113.00
21	11,048	0.00	0.0		113.85
22	12,550	0.00	0.0		115.76

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-20\2015-05-20_002.xad

Created: 5/20/2015 10:09:32 AM
Modified: 5/20/2015 11:00:50 AM

Electropherogram Summary Continued ...

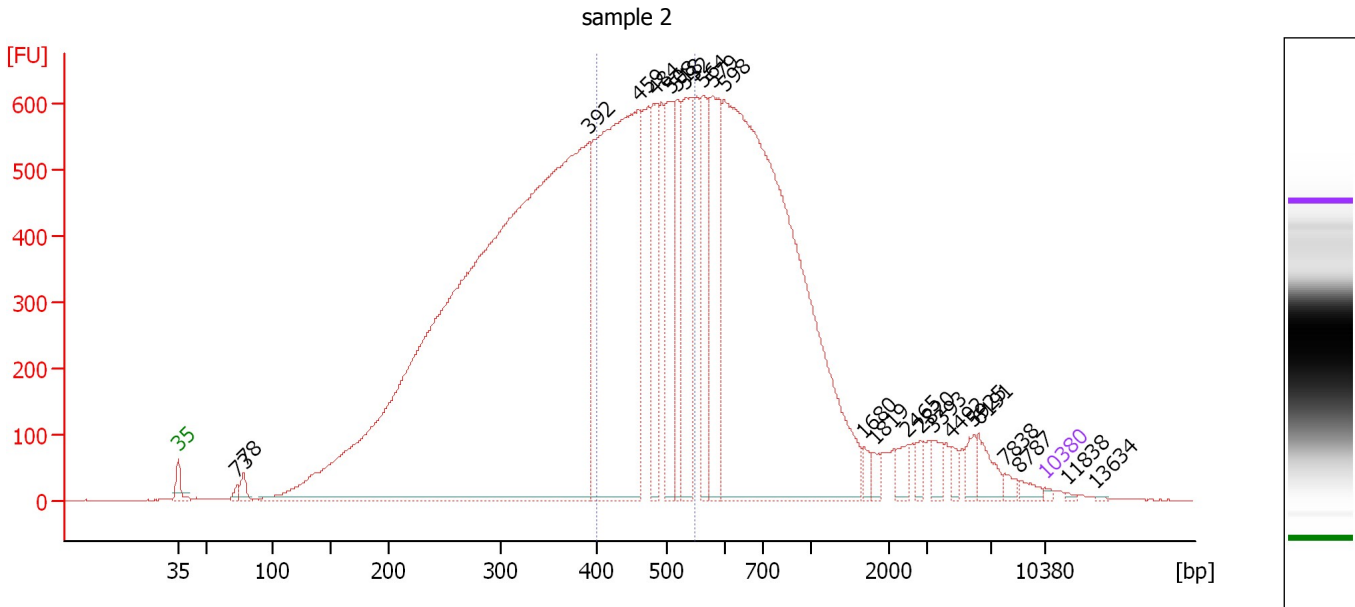
... Region table for sample 1 : sample 1

From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	% of Total	Size distribution in CV [%]	Conc. [pg/ μ l]	Color
403	550	795	8,685.6	180,139.4	43	17.7	62,858.62	■

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-20\2015-05-20_002.xad

Created: 5/20/2015 10:09:32 AM
 Modified: 5/20/2015 11:00:50 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 : sample 2

Number of peaks found: 23 Corr. Area 1: 6,286.1
 Noise: 1.0


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	73	325.07	6,725.2		47.78
3	78	617.44	12,001.2		48.30
4	392	79,647.50	308,238.3		76.21
5	459	25,531.26	84,334.2		80.18
6	484	4,481.27	14,027.6		81.60
7	508	4,679.61	13,970.1		82.85
8	518	3,533.59	10,343.0		83.32
9	532	5,610.80	15,969.7		84.01
10	564	4,345.25	11,682.3		85.47
11	579	5,724.58	14,975.8		86.21
12	598	39,464.41	99,913.4		87.11
13	1,680	405.10	365.4		98.40
14	1,819	346.89	288.9		99.26
15	2,465	577.69	355.1		101.84
16	2,820	335.40	180.2		102.96
17	3,393	551.48	246.3		104.04
18	4,492	339.39	114.5		105.46
19	5,925	514.29	131.5		107.31
20	6,191	892.37	218.4		107.66
21	7,838	269.29	52.1		109.77
22	8,787	270.41	46.6		110.98
23	10,380	75.00	10.9	Upper Marker	113.00
24	11,838	0.00	0.0		114.85
25	13,634	0.00	0.0		117.14

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-20\2015-05-20_002.xad

Created: 5/20/2015 10:09:32 AM
Modified: 5/20/2015 11:00:50 AM

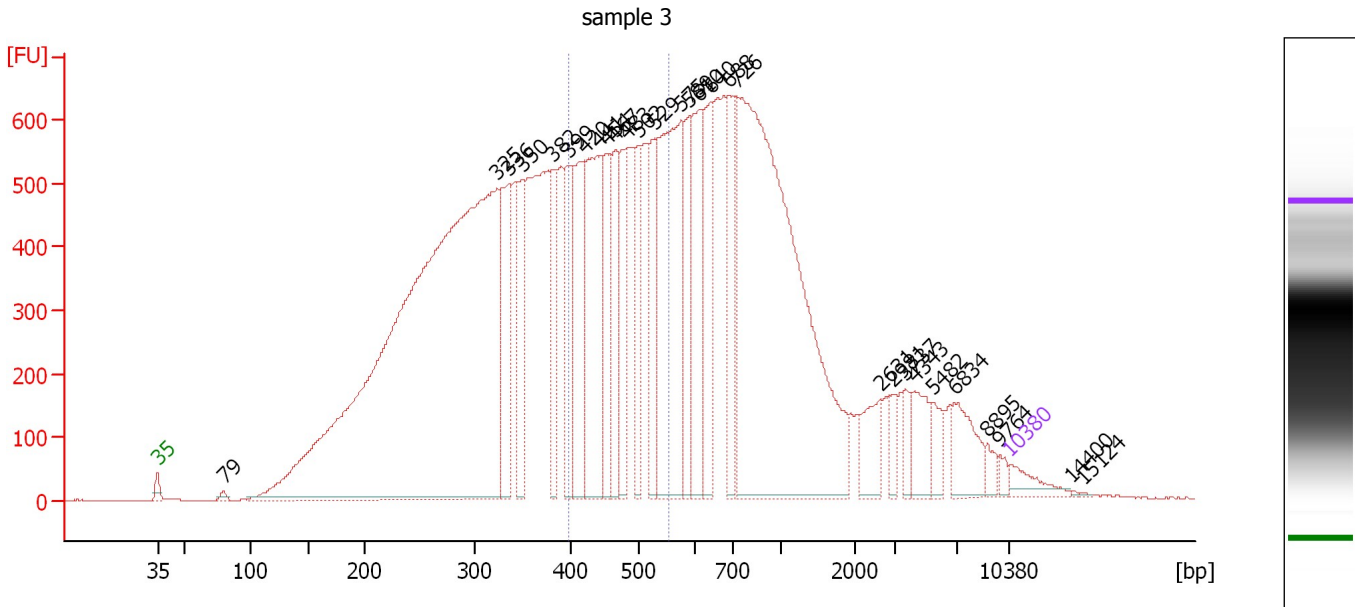
Electropherogram Summary Continued ...**... Region table for sample 2 : sample 2**

From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Co lor
399	471	549	6,286.1	165,977.1	25	9.1	51,261.34	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-20\2015-05-20_002.xad

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Electropherogram Summary Continued ...



Overall Results for sample 3 : sample 3

Number of peaks found: 29 Corr. Area 1: 5,887.4
 Noise: 1.1

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	79	22.42	429.2		48.43
3	325	6,277.77	29,300.5		70.94
4	336	515.85	2,324.1		71.86
5	350	395.42	1,710.3		72.96
6	382	352.95	1,400.7		75.45
7	399	396.21	1,505.7		76.78
8	420	574.63	2,071.3		78.02
9	441	808.23	2,777.9		79.17
10	454	390.93	1,304.8		79.91
11	467	415.76	1,348.7		80.65
12	483	361.67	1,133.4		81.57
13	502	333.62	1,007.3		82.58
14	529	349.85	1,001.4		83.87
15	575	1,173.21	3,089.1		86.03
16	589	315.23	810.7		86.68
17	610	509.76	1,265.2		87.50
18	640	446.23	1,055.7		88.42
19	688	381.92	840.5		89.90
20	726	3,156.43	6,591.5		90.59
21	2,631	157.55	90.7		102.37
22	2,981	66.15	33.6		103.47
23	3,737	68.29	27.7		104.49
24	4,343	152.22	53.1		105.27
25	5,482	92.64	25.6		106.74

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-20\2015-05-20_002.xad


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Electropherogram Summary Continued ...

... Peak table for sample 3 : sample 3

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	6,834	194.05	43.0		108.49
27	8,895	43.28	7.4		111.11
28	9,764	28.04	4.4		112.22
29	10,380	75.00	10.9	Upper Marker	113.00
30	14,400	0.00	0.0		118.11
31	15,124	0.00	0.0		119.03

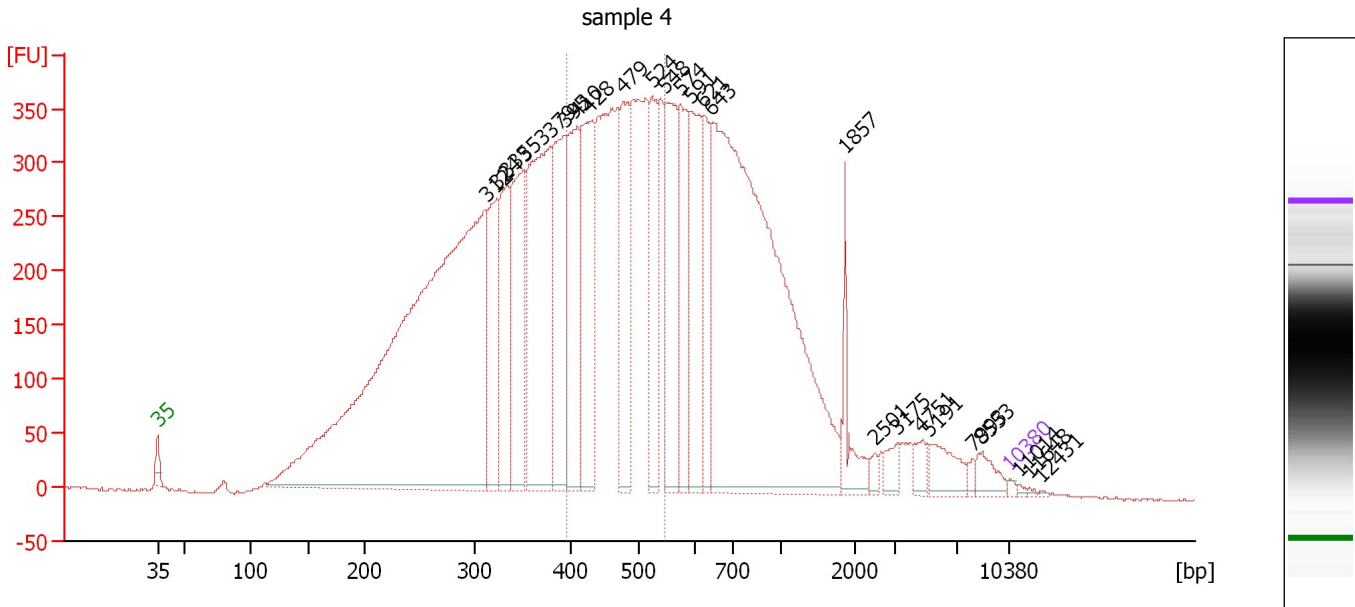
Region table for sample 3 : sample 3

From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Color
399	473	553	5,887.4	14,858.7	21	9.4	4,598.47	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-20\2015-05-20_002.xad

Created: 5/20/2015 10:09:32 AM
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Electropherogram Summary Continued ...



Overall Results for sample 4 : sample 4

Number of peaks found: 25 Corr. Area 1: 3,699.6
 Noise: 1.0

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	312	35,815.98	173,736.8		69.97
3	324	3,601.26	16,822.0		70.91
4	335	4,079.48	18,474.2		71.72
5	353	5,528.80	23,758.0		73.14
6	379	9,224.45	36,874.6		75.23
7	395	5,196.69	19,921.2		76.51
8	410	5,024.74	18,559.5		77.45
9	428	5,276.42	18,681.2		78.45
10	479	3,843.19	12,166.0		81.29
11	524	3,277.43	9,477.6		83.62
12	548	4,294.61	11,869.7		84.75
13	574	3,526.63	9,301.3		85.99
14	591	4,113.17	10,551.3		86.74
15	621	2,617.16	6,383.2		87.83
16	643	24,223.87	57,093.7		88.50
17	1,857	1,108.44	904.4		99.49
18	2,501	215.93	130.8		101.96
19	3,175	423.73	202.2		103.76
20	4,751	387.53	123.6		105.80
21	5,191	916.10	267.4		106.36
22	7,993	149.02	28.2		109.97
23	8,553	509.54	90.3		110.68
24	10,380	75.00	10.9	Upper Marker	113.00
25	11,014	0.00	0.0		113.81

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-20\2015-05-20_002.xad

Created: 5/20/2015 10:09:32 AM
Modified: 5/20/2015 11:00:50 AM

Electropherogram Summary Continued ...**... Peak table for sample 4 : sample 4**

Peak	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	11,648	0.00	0.0		114.61
27	12,431	0.00	0.0		115.61

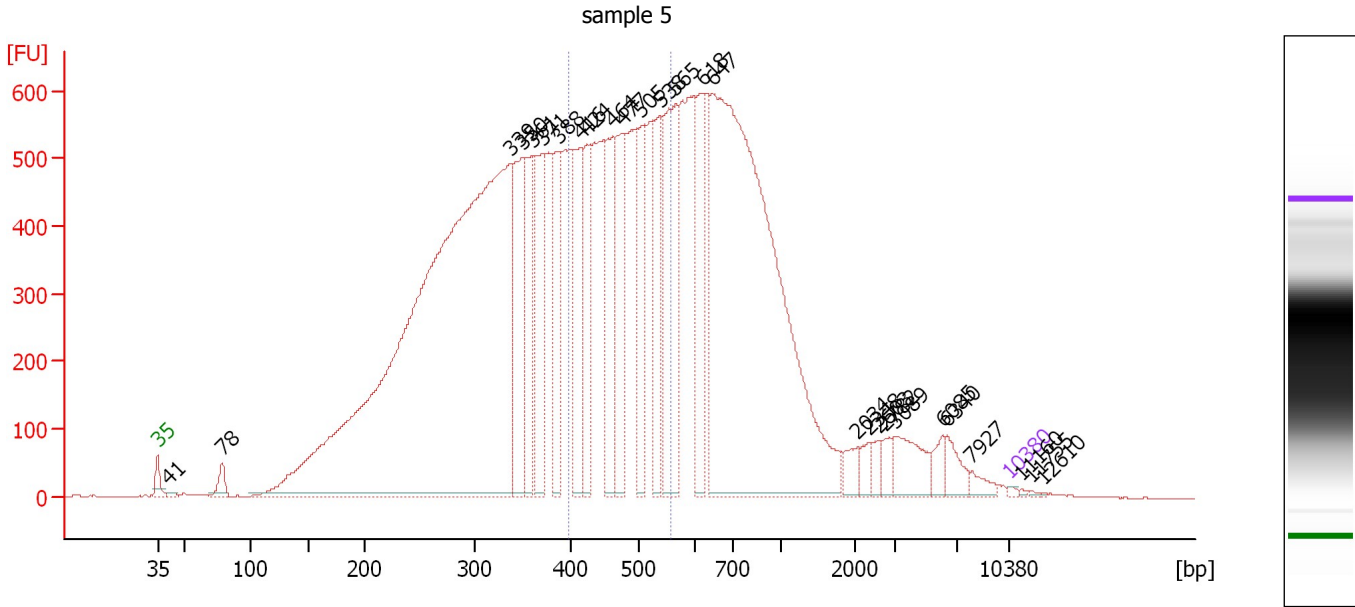
Region table for sample 4 : sample 4

From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	% of Total	Size distribution in CV [%]	Conc. [pg/ μ l]	Color
397	469	547	3,699.6	116,356.5	25	9.2	35,748.59	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-20\2015-05-20_002.xad

Created: 5/20/2015 10:09:32 AM
 Modified: 5/20/2015 11:00:50 AM

Electropherogram Summary Continued ...



Overall Results for sample 5 : sample 5

Number of peaks found: 27 Corr. Area 1: 5,919.8
 Noise: 0.7

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	41	169.06	6,196.2		43.94
3	78	899.08	17,396.0		48.34
4	339	66,938.44	299,413.5		72.05
5	350	6,522.63	28,227.7		72.95
6	361	4,173.27	17,521.1		73.80
7	371	5,998.46	24,493.3		74.60
8	388	4,905.04	19,162.9		75.92
9	416	5,348.90	19,495.2		77.76
10	424	3,869.87	13,824.6		78.24
11	464	5,006.08	16,357.5		80.46
12	477	5,008.06	15,902.0		81.21
13	505	3,816.68	11,453.1		82.72
14	538	4,562.07	12,844.4		84.28
15	565	7,832.30	20,991.0		85.56
16	618	4,423.88	10,848.9		87.73
17	647	36,767.58	86,091.3		88.63
18	2,034	690.83	514.6		100.48
19	2,348	475.18	306.6		101.48
20	2,603	530.26	308.7		102.28
21	2,782	499.94	272.3		102.84
22	3,089	1,682.08	825.0		103.65
23	6,085	617.59	153.8		107.52
24	6,340	845.93	202.1		107.85
25	7,927	405.95	77.6		109.88

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-20\2015-05-20_002.xad


Created: 5/20/2015 10:09:32 AM
 Modified: 5/20/2015 11:00:50 AM

Electropherogram Summary Continued ...

... Peak table for sample 5 : sample 5

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	11,160	0.00	0.0		113.99
28	11,755	0.00	0.0		114.75
29	12,610	0.00	0.0		115.83

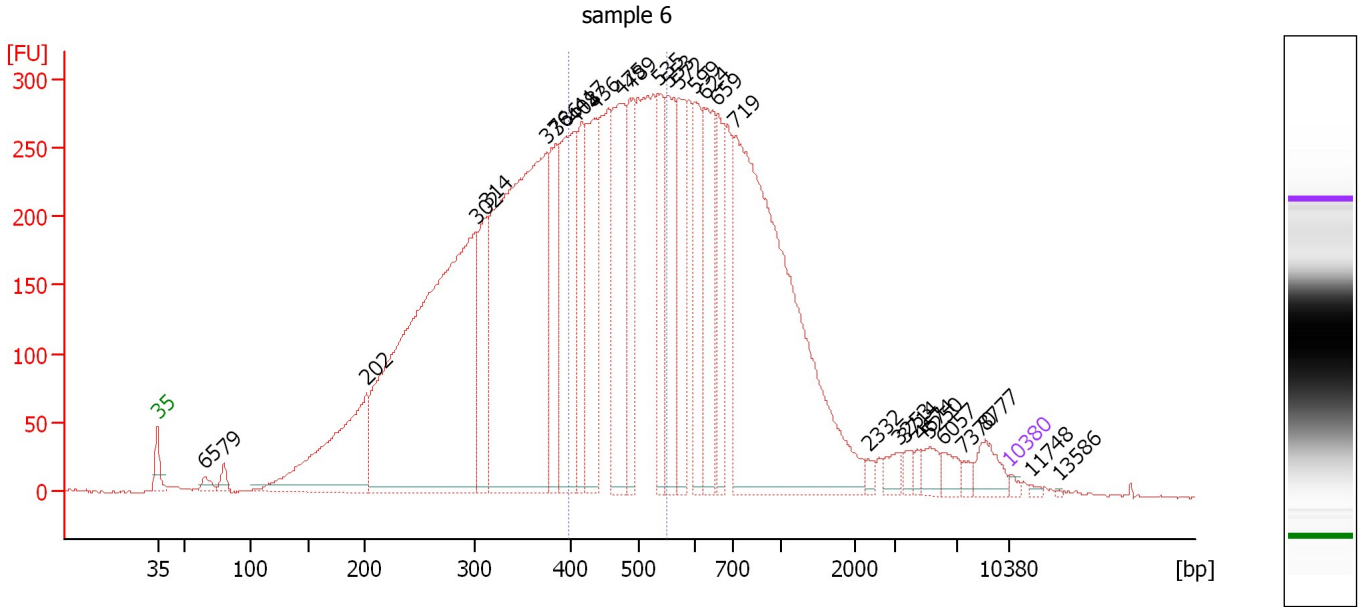
Region table for sample 5 : sample 5

From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	% of Total	Size distribution in CV [%]	Conc. [pg/ μ l]	Color
398	474	556	5,919.8	168,920.8	24	9.6	52,385.84	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-20\2015-05-20_002.xad

Created: 5/20/2015 10:09:32 AM
 Modified: 5/20/2015 11:00:50 AM

Electropherogram Summary Continued ...



Overall Results for sample 6 : sample 6

Number of peaks found: 29 Corr. Area 1: 2,899.2
 Noise: 0.9

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	65	285.43	6,657.2		46.88
3	79	329.38	6,279.8		48.46
4	202	5,382.98	40,384.8		60.14
5	302	18,222.54	91,303.1		69.18
6	314	2,445.33	11,809.6		70.08
7	376	14,285.93	57,556.5		74.99
8	386	2,645.34	10,379.7		75.79
9	408	4,490.74	16,678.1		77.33
10	417	2,210.49	8,035.1		77.83
11	436	3,314.71	11,511.0		78.92
12	475	3,832.66	12,218.6		81.11
13	489	2,241.91	6,952.9		81.85
14	535	2,287.93	6,479.2		84.14
15	553	2,653.72	7,270.4		84.98
16	572	2,285.04	6,051.7		85.87
17	599	2,032.59	5,144.9		87.12
18	624	2,937.72	7,136.1		87.91
19	659	1,701.40	3,909.6		89.00
20	719	14,177.71	29,896.5		90.49
21	2,332	136.81	88.9		101.42
22	3,253	297.46	138.6		103.86
23	3,714	189.77	77.4		104.45
24	4,674	139.45	45.2		105.70
25	5,250	338.46	97.7		106.44

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-20\2015-05-20_002.xad

Created: 5/20/2015 10:09:32 AM
 Modified: 5/20/2015 11:00:50 AM

Electropherogram Summary Continued ...

... Peak table for sample 6 : sample 6

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	6,057	309.01	77.3		107.49
27	7,370	158.10	32.5		109.17
28	8,777	516.34	89.1		110.96
29	10,380	75.00	10.9	Upper Marker	113.00
30	11,748	0.00	0.0		114.74
31	13,586	0.00	0.0		117.07

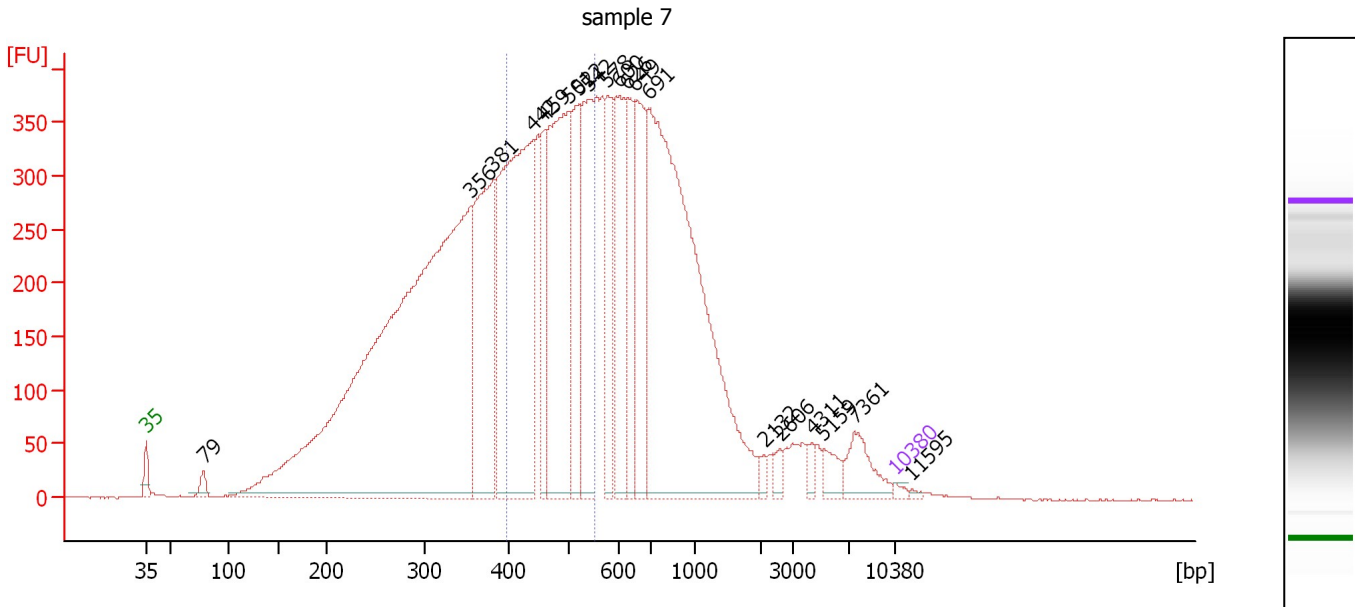
Region table for sample 6 : sample 6

From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Color
398	472	550	2,899.2	82,627.3	25	9.2	25,524.23	■

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-20\2015-05-20_002.xad

Created: 5/20/2015 10:09:32 AM
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Electropherogram Summary Continued ...



Overall Results for sample 7 : sample 7

Number of peaks found: 19 Corr. Area 1: 3,632.0
 Noise: 0.7

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	79	347.48	6,689.4		48.38
3	356	26,584.96	113,224.5		73.39
4	381	5,615.98	22,332.6		75.38
5	442	9,905.35	33,979.7		79.22
6	459	1,901.52	6,270.9		80.22
7	501	6,270.52	18,948.3		82.56
8	522	3,065.63	8,905.3		83.51
9	542	3,450.99	9,651.2		84.45
10	578	2,065.09	5,414.4		86.15
11	600	2,930.66	7,396.9		87.19
12	626	1,859.79	4,499.3		87.99
13	649	3,153.42	7,361.7		88.69
14	691	14,765.71	32,365.6		89.98
15	2,132	140.72	100.0		100.79
16	2,606	196.32	114.1		102.29
17	4,311	208.31	73.2		105.23
18	5,159	380.34	111.7		106.32
19	7,361	815.54	167.9		109.16
20	10,380	75.00	10.9	Upper Marker	113.00
21	11,595	0.00	0.0		114.54

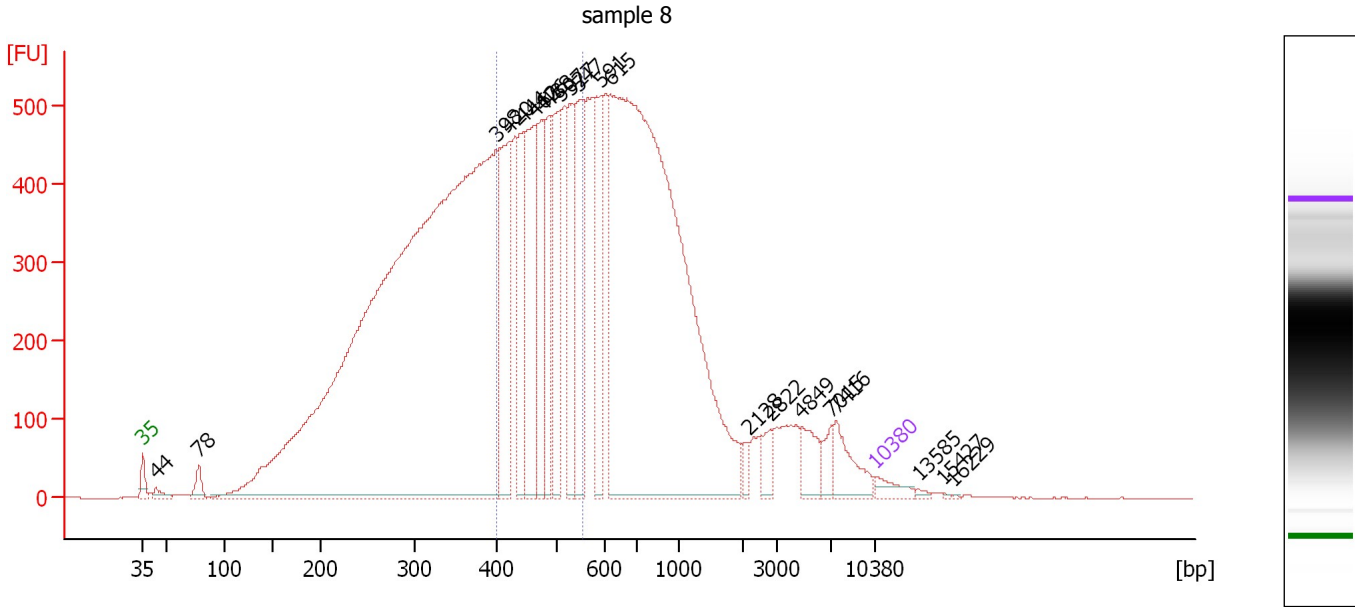
Region table for sample 7 : sample 7

From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Color
399	473	551	3,632.0	76,554.9	25	9.2	23,720.12	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-20\2015-05-20_002.xad

Created: 5/20/2015 10:09:32 AM
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Electropherogram Summary Continued ...



Overall Results for sample 8 : sample 8

Number of peaks found: 21 Corr. Area 1: 4,953.7
 Noise: 0.8

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	44	81.61	2,840.0		44.27
3	78	149.86	2,896.9		48.35
4	398	12,856.76	48,979.9		76.70
5	420	1,206.98	4,350.3		78.03
6	444	865.39	2,953.4		79.35
7	462	1,073.02	3,518.1		80.37
8	476	719.00	2,290.0		81.13
9	488	669.54	2,080.8		81.79
10	507	868.19	2,595.7		82.81
11	527	757.15	2,175.2		83.78
12	547	989.80	2,742.0		84.69
13	591	609.11	1,560.4		86.78
14	615	7,368.90	18,150.4		87.65
15	2,128	58.46	41.6		100.78
16	2,822	115.60	62.1		102.97
17	4,849	198.92	62.2		105.92
18	7,015	108.28	23.4		108.72
19	7,416	256.67	52.4		109.23
20	10,380	75.00	10.9	Upper Marker	113.00
21	13,585	0.00	0.0		117.07
22	15,427	0.00	0.0		119.41
23	16,229	0.00	0.0		120.43

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-20\2015-05-20_002.xad

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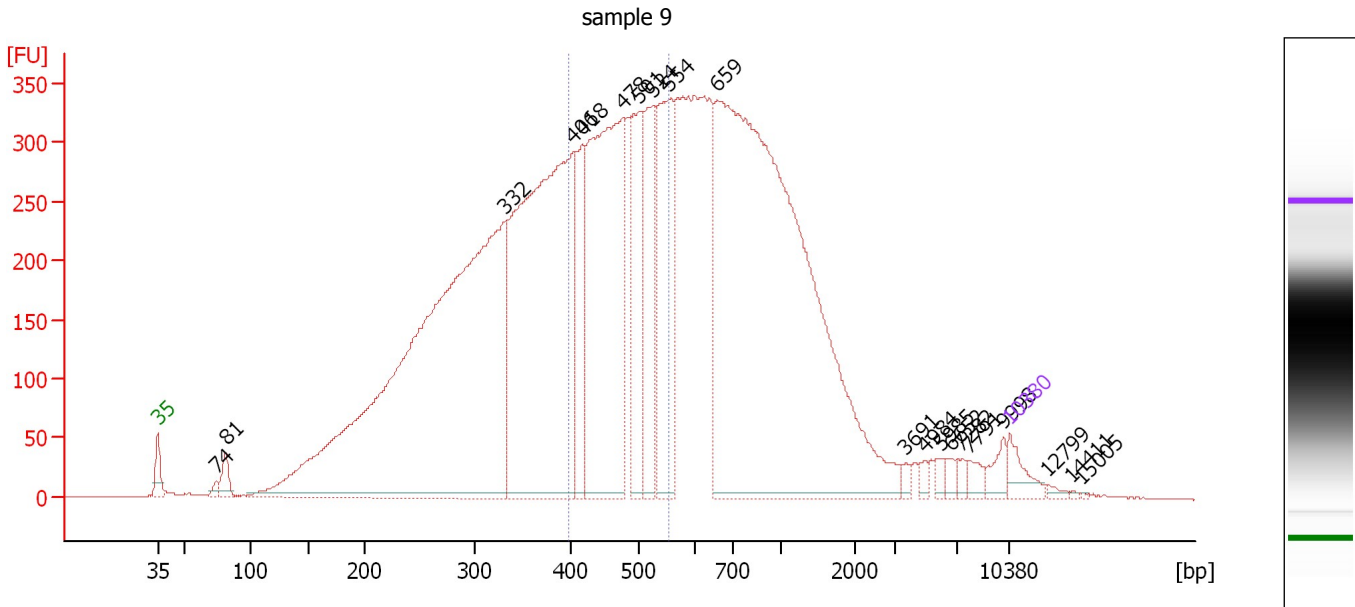
Electropherogram Summary Continued ...**... Region table for sample 8 : sample 8**

From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Co lor
400	474	553	4,953.7	26,077.3	24	9.2	8,089.67	■

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-20\2015-05-20_002.xad

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Electropherogram Summary Continued ...



Overall Results for sample 9 : sample 9

Number of peaks found: 20 Corr. Area 1: 3,205.9
 Noise: 0.6

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	74	28.98	594.3		47.85
3	81	93.98	1,762.8		48.61
4	332	4,289.54	19,567.8		71.53
5	406	2,554.29	9,544.0		77.19
6	418	407.25	1,476.2		77.89
7	478	1,690.50	5,363.1		81.24
8	501	532.78	1,611.9		82.53
9	524	522.01	1,510.0		83.61
10	554	720.57	1,971.8		85.01
11	659	4,074.97	9,365.1		89.00
12	3,691	19.58	8.0		104.43
13	4,984	22.44	6.8		106.10
14	5,985	29.11	7.4		107.39
15	6,652	28.86	6.6		108.25
16	7,282	23.16	4.8		109.06
17	7,791	41.52	8.1		109.71
18	9,998	52.00	7.9		112.51
19	10,380	75.00	10.9	Upper Marker	113.00
20	12,799	0.00	0.0		116.07
21	14,411	0.00	0.0		118.12
22	15,005	0.00	0.0		118.88

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-20\2015-05-20_002.xad

Created: 5/20/2015 10:09:32 AM
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Electropherogram Summary Continued ...

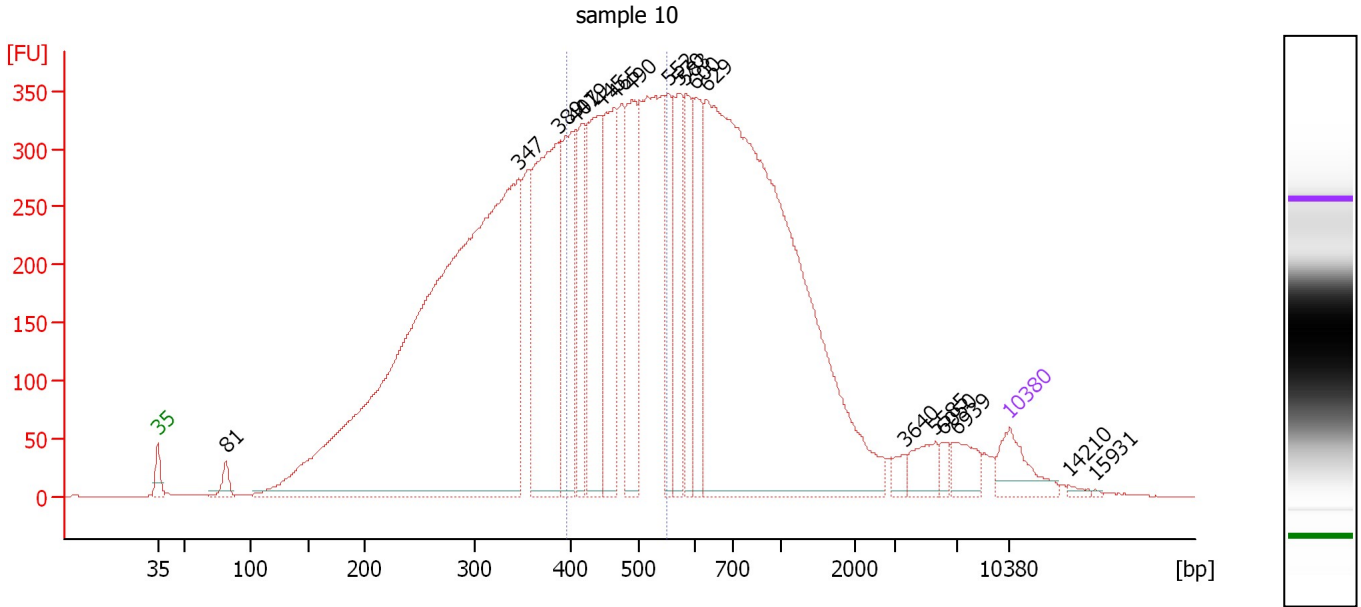
... Region table for sample 9 : sample 9

From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Color
399	474	553	3,205.9	13,448.9	24	9.3	4,170.45	■

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-20\2015-05-20_002.xad

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Electropherogram Summary Continued ...



Overall Results for sample 10 : sample 10

Number of peaks found: 19 Corr. Area 1: 3,417.4
 Noise: 0.6

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	81	47.14	881.7		48.63
3	347	2,803.29	12,242.8		72.70
4	389	689.52	2,689.0		75.98
5	407	345.35	1,284.8		77.29
6	419	223.22	807.3		77.95
7	445	367.02	1,248.9		79.42
8	465	368.66	1,201.8		80.52
9	490	305.70	945.1		81.94
10	552	210.38	577.2		84.95
11	570	205.05	545.3		85.77
12	583	200.77	522.1		86.37
13	600	208.13	525.5		87.19
14	629	2,216.88	5,342.9		88.06
15	3,640	21.74	9.0		104.36
16	5,585	58.08	15.8		106.88
17	6,050	16.64	4.2		107.48
18	6,939	54.09	11.8		108.63
19	10,380	75.00	10.9	Upper Marker	113.00
20	14,210	0.00	0.0		117.87
21	15,931	0.00	0.0		120.05

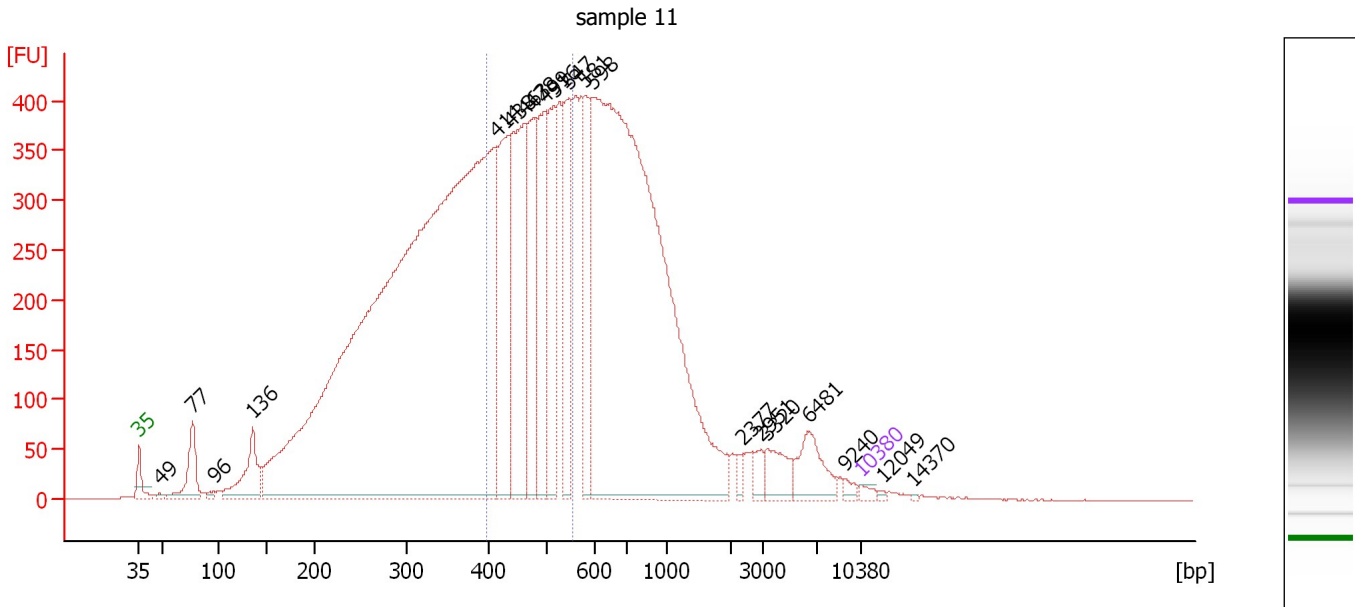
Region table for sample 10 : sample 10

From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Color
396	471	551	3,417.4	7,789.1	25	9.4	2,399.77	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-20\2015-05-20_002.xad

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Electropherogram Summary Continued ...



Overall Results for sample 11 : sample 11

Number of peaks found: 20 Corr. Area 1: 3,966.7
 Noise: 0.7

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	49	56.09	1,750.7		45.02
3	77	1,199.95	23,524.5		48.23
4	96	96.59	1,529.2		50.24
5	136	1,424.34	15,918.4		54.02
6	414	31,150.74	114,024.8		77.66
7	438	3,275.06	11,331.7		79.01
8	463	3,821.02	12,509.5		80.41
9	478	2,449.03	7,755.1		81.29
10	499	2,579.06	7,834.7		82.42
11	516	2,038.78	5,984.5		83.25
12	547	1,739.27	4,817.1		84.70
13	581	1,548.10	4,035.4		86.30
14	598	17,894.67	45,354.5		87.08
15	2,377	119.54	76.2		101.57
16	2,951	202.62	104.0		103.38
17	3,320	496.46	226.6		103.95
18	6,481	705.20	164.9		108.03
19	9,240	82.97	13.6		111.55
20	10,380	75.00	10.9	Upper Marker	113.00
21	12,049	0.00	0.0		115.12
22	14,370	0.00	0.0		118.07

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-20\2015-05-20_002.xad

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Electropherogram Summary Continued ...

... Region table for sample 11 : sample 11

From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Color
399	474	554	3,966.7	65,342.2	25	9.4	20,266.81	■

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-20\2015-05-20_002.xad

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Gel Image

