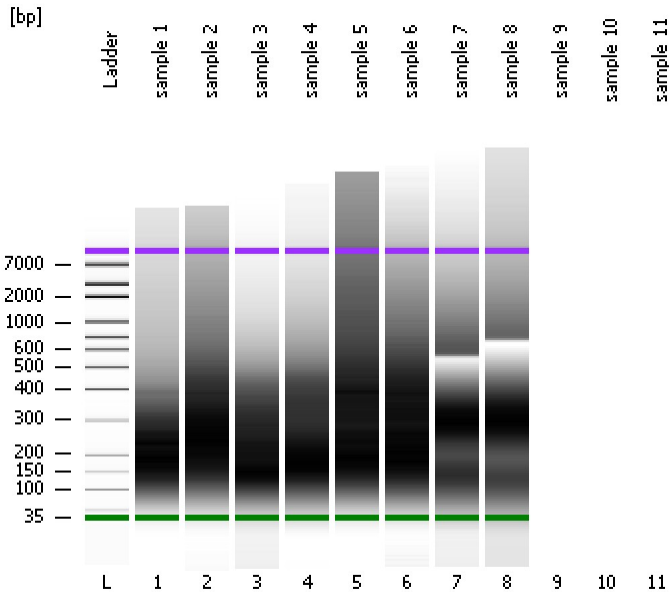


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2014-04-09\2014-04-09_001.xad

Created: 4/9/2014 12:23:39 PM
Modified: 4/9/2014 12:56:58 PM

Electrophoresis File Run Summary



Instrument Information:

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

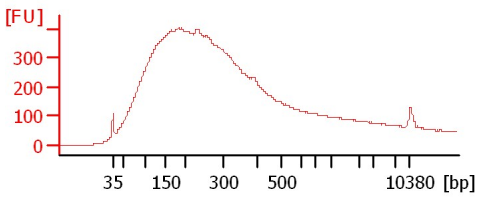
Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\dsDNA\High Sensitivity DNA.xsy
Assay Class: High Sensitivity DNA Assay
Version: 1.03
Assay Comments: Copyright © 2003-2010 Agilent Technologies

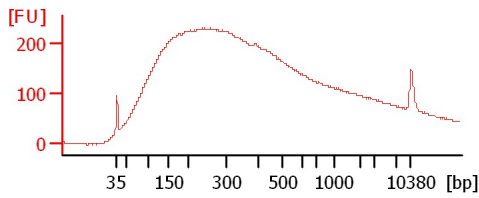
Chip Information:

Chip Lot #: Reagent Kit Lot #:
Chip Comments:

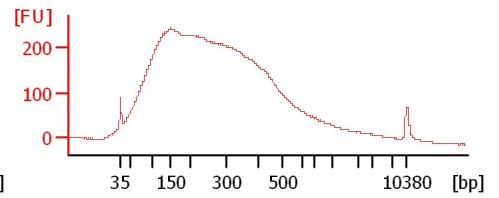
sample 1



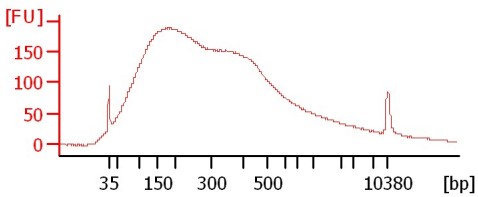
sample 2



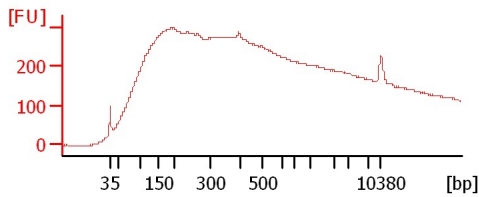
sample 3



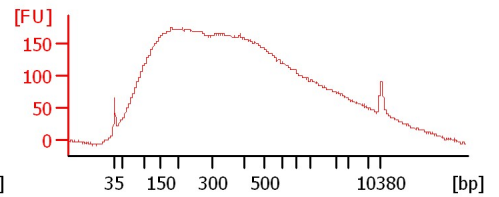
sample 4



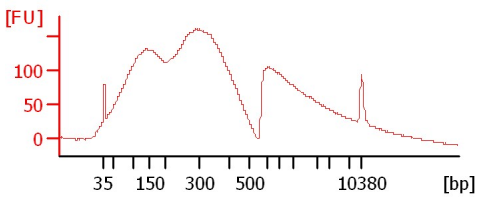
sample 5



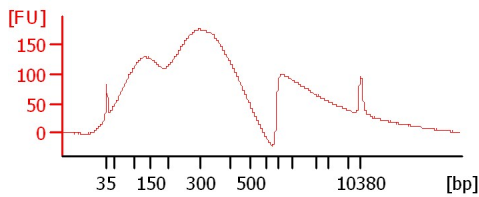
sample 6



sample 7



sample 8



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-04-09\2014-04-09_001.xad

Created: 4/9/2014 12:23:39 PM
 Modified: 4/9/2014 12:56:58 PM

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\2014-04-09\2014-04-09_001.xad

Created: 4/9/2014 12:23:39 PM
Modified: 4/9/2014 12:56:58 PM

Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 12
Minimum Visible Range [s] : 32
Maximum Visible Range [s] : 138
Start Analysis Time Range [s] : 33
End Analysis Time Range [s] : 137.5
Ladder Concentration [pg/μl] : 1950
Uses Standard Area for Ladder Fragments
Lower Marker Concentration [pg/μl] : 125
Upper Marker Concentration [pg/μl] : 75
Used Upper Marker for Quantitation
Standard Curve Fit is Point to Point
Show Data Aligned to Lower and Upper Marker

Integrator Settings

Integration Start Time [s] : 33.05
Integration End Time [s] : 137
Slope Threshold : 0.8
Height Threshold [FU] : 5
Area Threshold : 0.1
Width Threshold [s] : 0.6
Baseline Plateau [s] : 0.5

Filter Settings

Filter Width [s] : 0.5
Polynomial Order : 4

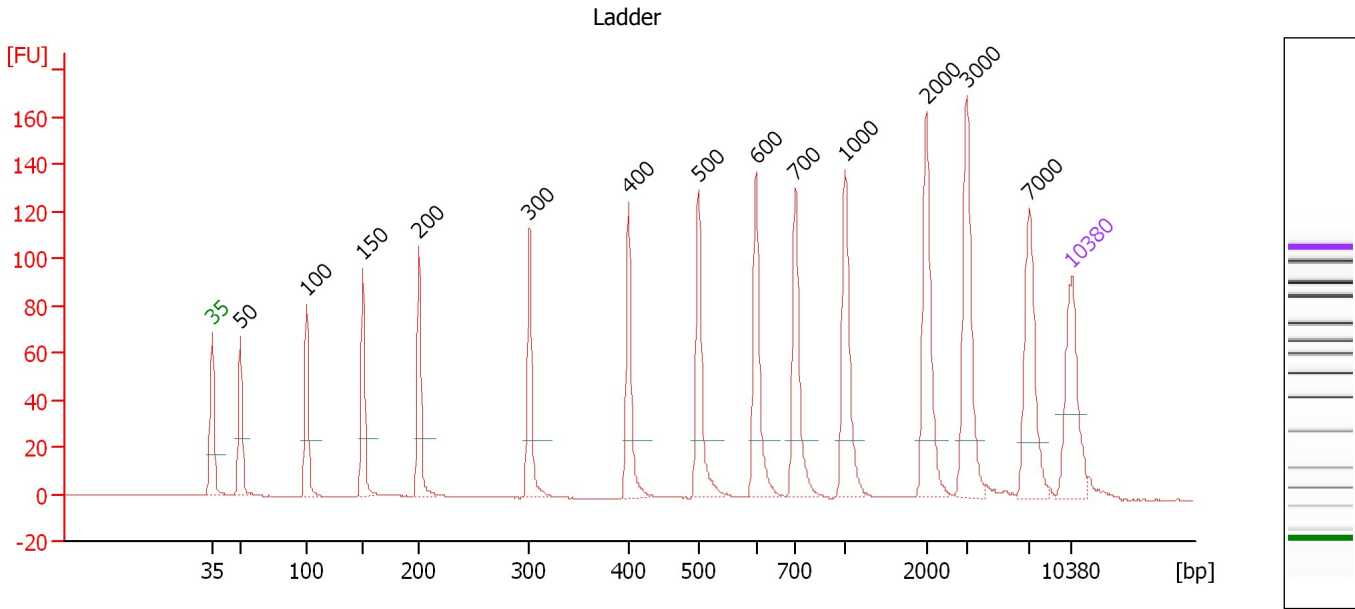
Ladder

Ladder Peak	Size	Area
1	35	160
2	50	210
3	100	208
4	150	221
5	200	242
6	300	270
7	400	305
8	500	306
9	600	336
10	700	321
11	1000	366
12	2000	413
13	3000	411
14	7000	400
15	10380	214

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-04-09\2014-04-09_001.xad

Created: 4/9/2014 12:23:39 PM
 Modified: 4/9/2014 12:56:58 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.1

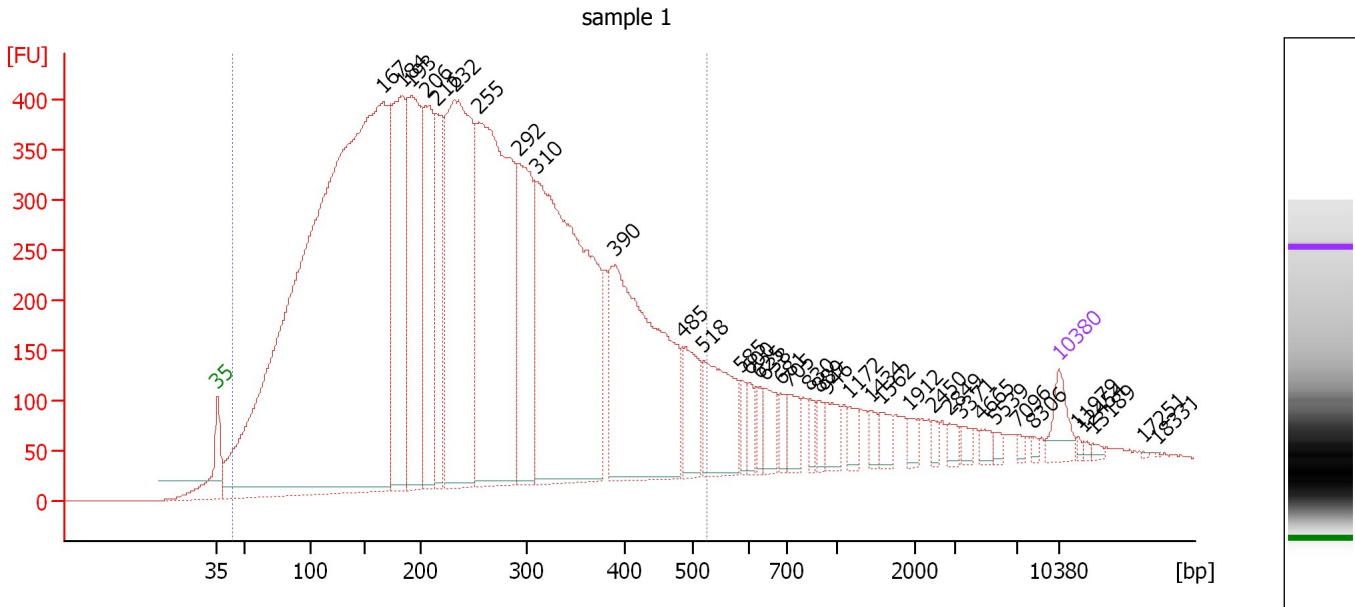
Peak table for Ladder

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	45.30	50	150.00	4,545.5	Ladder Peak
3	50.68	100	150.00	2,272.7	Ladder Peak
4	55.28	150	150.00	1,515.2	Ladder Peak
5	59.84	200	150.00	1,136.4	Ladder Peak
6	68.82	300	150.00	757.6	Ladder Peak
7	76.89	400	150.00	568.2	Ladder Peak
8	82.58	500	150.00	454.5	Ladder Peak
9	87.27	600	150.00	378.8	Ladder Peak
10	90.48	700	150.00	324.7	Ladder Peak
11	94.51	1,000	150.00	227.3	Ladder Peak
12	101.11	2,000	150.00	113.6	Ladder Peak
13	104.45	3,000	150.00	75.8	Ladder Peak
14	109.53	7,000	150.00	32.5	Ladder Peak
15	113.00	10,380	75.00	10.9	Upper Marker

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-04-09\2014-04-09_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 1 : sample 1

Number of peaks found: 37 Corr. Area 1: 17,184.1
 Noise: 0.3

Peak table for sample 1 : sample 1

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	56.80	167	6,980.78	63,443.5	
3	58.36	184	942.49	7,771.0	
4	59.16	193	1,014.55	7,984.2	
5	60.36	206	761.45	5,607.0	
6	61.29	216	454.21	3,184.0	
7	62.75	232	1,729.64	11,274.4	
8	64.79	255	1,965.59	11,671.1	
9	68.12	292	695.68	3,606.9	
10	69.63	310	2,110.50	10,313.5	
11	76.07	390	1,221.71	4,748.9	
12	81.71	485	223.70	699.3	
13	83.44	518	341.70	998.8	
14	86.54	585	51.73	134.1	
15	87.25	600	59.93	151.4	
16	88.05	625	46.89	113.8	
17	88.50	638	96.78	229.7	
18	89.87	681	49.71	110.6	
19	90.54	705	77.22	166.0	
20	92.23	830	39.07	71.3	
21	93.03	889	39.20	66.8	
22	93.78	946	70.53	113.0	
23	95.64	1,172	42.22	54.6	
24	97.38	1,434	35.16	37.1	
25	98.22	1,562	48.54	47.1	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-04-09\2014-04-09_001.xad

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Electropherogram Summary Continued ...

... Peak table for sample 1 : sample 1

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
26	100.53	1,912	29.03	23.0	
27	102.61	2,450	18.28	11.3	
28	103.94	2,849	29.32	15.6	
29	104.92	3,371	26.81	12.1	
30	106.56	4,665	22.79	7.4	
31	107.67	5,539	16.37	4.5	
32	109.63	7,096	9.77	2.1	
33	110.87	8,306	9.14	1.7	
34	113.00	10,380	75.00	10.9	Upper Marker
35	114.64	11,979	0.00	0.0	
36	115.13	12,454	0.00	0.0	
37	115.89	13,189	0.00	0.0	
38	120.06	17,251	0.00	0.0	
39	121.17	18,331	0.00	0.0	

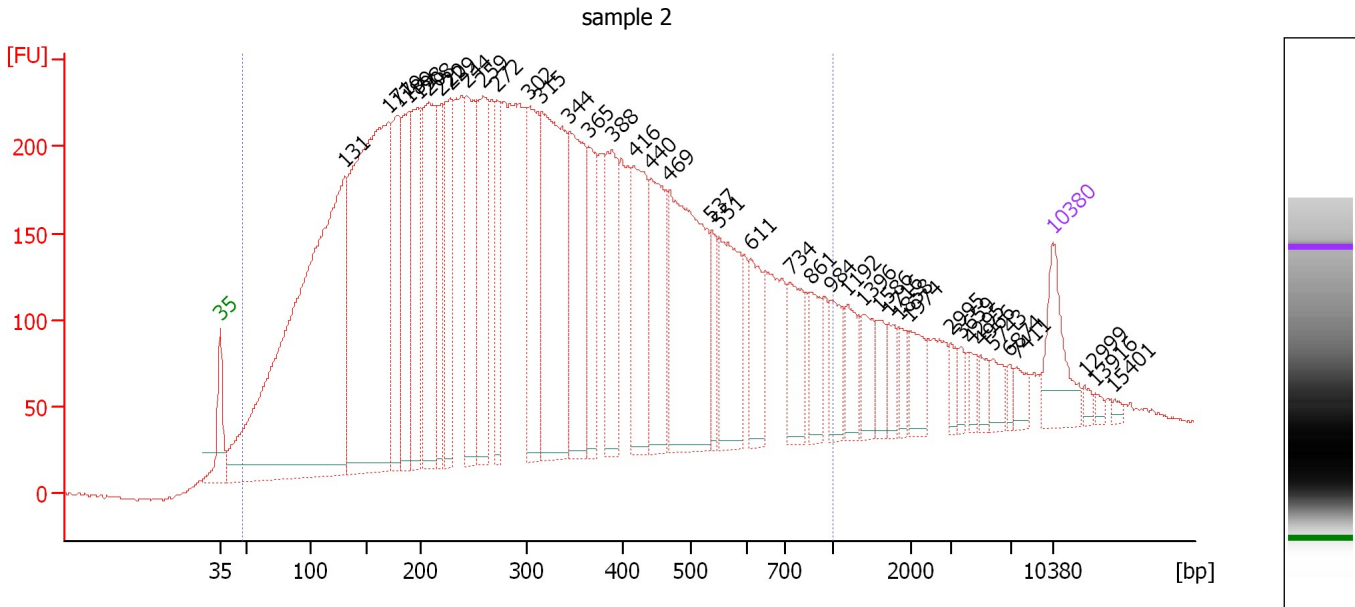
Region table for sample 1 : sample 1

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
43	526	243	172,700.7	18,927.50	17,184.1	90	45.5

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-04-09\2014-04-09_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 2 : sample 2

Number of peaks found: 41 Corr. Area 1: 11,701.2
 Noise: 1.0

Peak table for sample 2 : sample 2

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	53.54	131	1,580.53	18,273.3	
3	57.17	171	1,083.27	9,613.7	
4	57.93	179	258.65	2,188.2	
5	58.83	189	225.87	1,811.3	
6	59.64	198	248.47	1,903.4	
7	60.53	208	346.11	2,524.3	
8	61.61	220	173.92	1,199.3	
9	62.42	229	220.41	1,460.2	
10	63.81	244	259.09	1,607.7	
11	65.15	259	271.48	1,587.2	
12	66.27	272	141.19	787.5	
13	68.96	302	234.89	1,179.4	
14	70.04	315	482.42	2,319.7	
15	72.37	344	281.56	1,240.2	
16	74.03	365	133.17	553.5	
17	75.96	388	178.53	696.4	
18	77.80	416	204.64	745.5	
19	79.19	440	201.98	694.9	
20	80.80	469	390.96	1,263.7	
21	84.30	537	58.77	165.9	
22	84.97	551	176.69	485.8	
23	87.62	611	102.84	255.0	
24	90.94	734	93.45	192.8	
25	92.64	861	62.44	109.9	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-04-09\2014-04-09_001.xad

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Electropherogram Summary Continued ...

... Peak table for sample 2 : sample 2

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
26	94.30	984	58.59	90.2	
27	95.78	1,192	49.11	62.4	
28	97.13	1,396	44.21	48.0	
29	98.38	1,586	31.56	30.1	
30	99.23	1,716	30.93	27.3	
31	100.17	1,858	21.98	17.9	
32	100.94	1,974	43.25	33.2	
33	104.43	2,995	19.07	9.6	
34	105.29	3,659	13.19	5.5	
35	106.09	4,295	16.98	6.0	
36	106.95	4,966	16.77	5.1	
37	107.93	5,743	24.43	6.4	
38	109.37	6,874	9.89	2.2	
39	109.95	7,411	18.48	3.8	
40	113.00	10,380	75.00	10.9	Upper Marker
41	115.69	12,999	0.00	0.0	
42	116.63	13,916	0.00	0.0	
43	118.16	15,401	0.00	0.0	

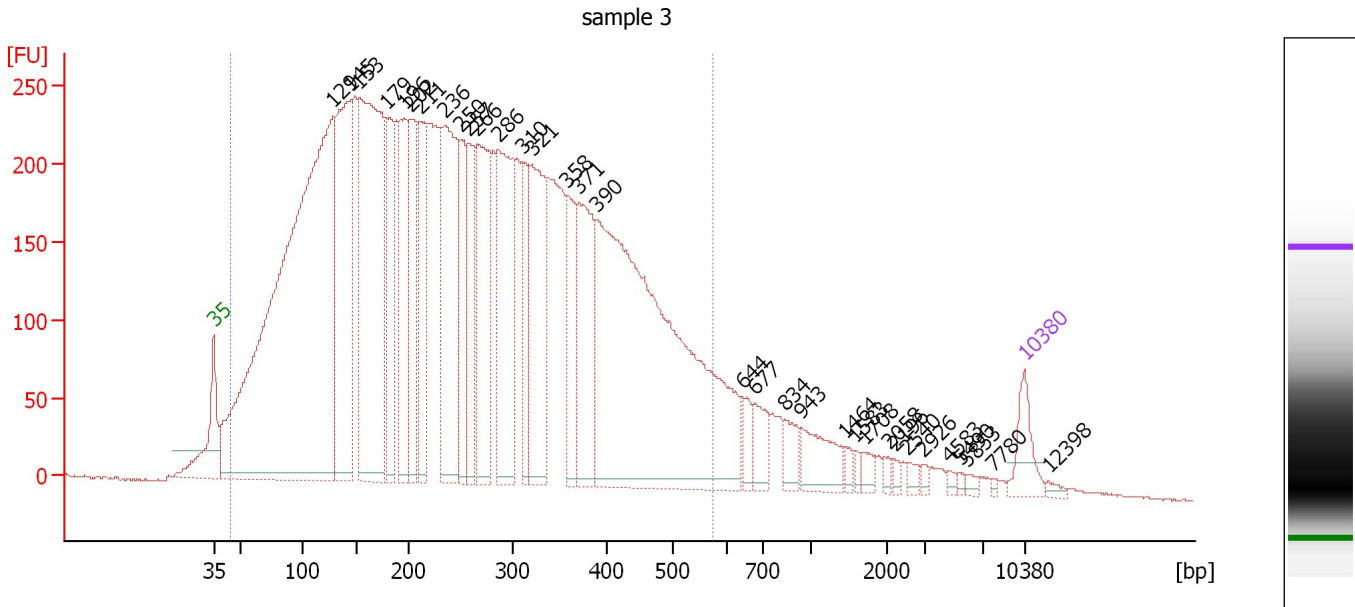
Region table for sample 2 : sample 2

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
48	1,000	329	69,623.8	8,975.74	11,701.2	91	56.9

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-04-09\2014-04-09_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 3 : sample 3

Number of peaks found: 33 Corr. Area 1: 11,874.7
 Noise: 0.6

Peak table for sample 3 : sample 3

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	53.32	129	3,612.69	42,552.8	
3	54.84	145	911.70	9,516.5	
4	55.57	153	1,437.93	14,221.9	
5	57.92	179	382.64	3,239.6	
6	59.44	196	385.64	2,986.6	
7	59.99	202	402.12	3,020.3	
8	60.82	211	389.70	2,799.0	
9	63.03	236	776.55	4,994.8	
10	64.32	250	256.20	1,553.3	
11	64.97	257	287.89	1,696.7	
12	65.80	266	538.48	3,063.5	
13	67.59	286	573.40	3,034.3	
14	69.66	310	207.93	1,014.8	
15	70.49	321	533.26	2,519.3	
16	73.53	358	255.01	1,078.2	
17	74.55	371	418.56	1,709.8	
18	76.07	390	1,960.82	7,622.7	
19	88.68	644	56.11	132.0	
20	89.74	677	85.97	192.4	
21	92.28	834	63.36	115.1	
22	93.75	943	123.59	198.5	
23	97.57	1,464	18.90	19.6	
24	98.36	1,583	13.33	12.8	
25	99.18	1,708	25.37	22.5	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-04-09\2014-04-09_001.xad

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Electropherogram Summary Continued ...

... Peak table for sample 3 : sample 3

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
26	101.30	2,058	14.65	10.8	
27	101.76	2,196	12.12	8.4	
28	102.91	2,540	17.00	10.1	
29	104.20	2,926	10.20	5.3	
30	106.46	4,583	9.22	3.0	
31	107.61	5,490	7.21	2.0	
32	108.07	5,853	11.00	2.8	
33	110.33	7,780	4.70	0.9	
34	113.00	10,380	75.00	10.9	Upper Marker
35	115.07	12,398	0.00	0.0	

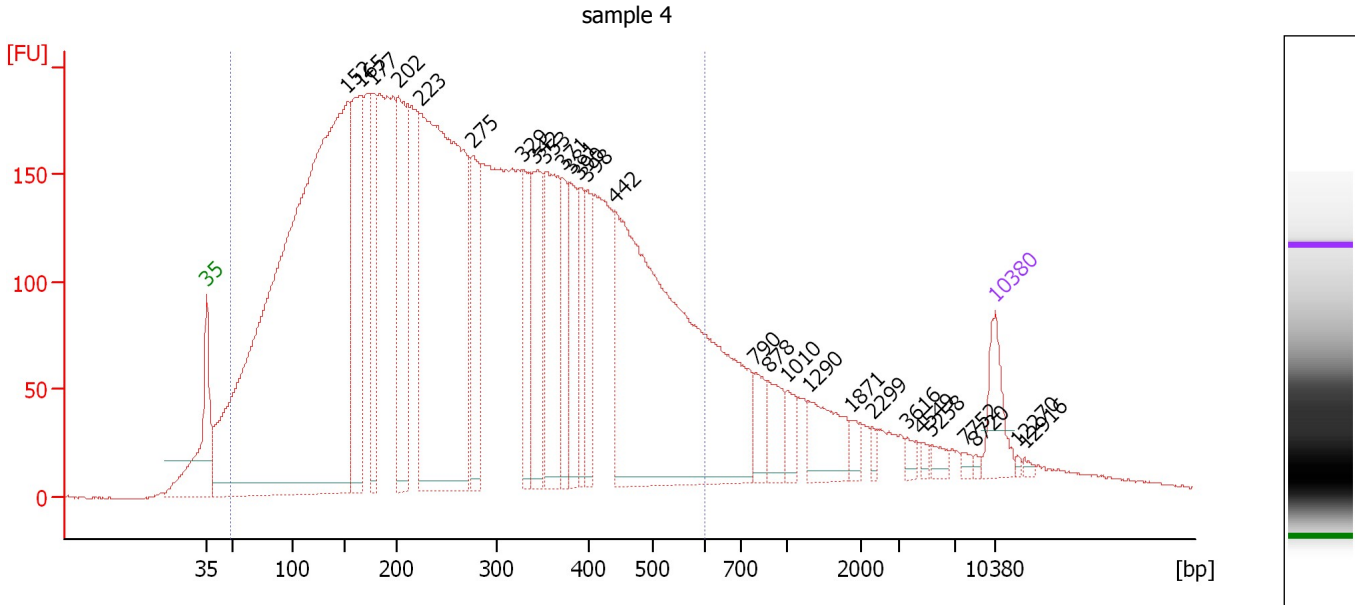
Region table for sample 3 : sample 3

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
44	576	259	139,060.9	15,333.15	11,874.7	92	48.3

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-04-09\2014-04-09_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 4 : sample 4

Number of peaks found: 27 Corr. Area 1: 9,159.4
 Noise: 0.4

Peak table for sample 4 : sample 4

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	55.50	152	3,579.25	35,576.4	
3	56.69	165	513.48	4,702.9	
4	57.78	177	302.25	2,581.8	
5	60.05	202	486.76	3,644.6	
6	61.94	223	1,582.69	10,731.9	
7	66.59	275	274.96	1,514.3	
8	71.13	329	185.34	854.5	
9	72.17	342	247.08	1,096.1	
10	73.07	353	335.85	1,442.8	
11	74.59	371	142.86	582.7	
12	75.35	381	156.81	623.8	
13	76.06	390	123.39	479.8	
14	76.77	398	128.91	490.2	
15	79.28	442	1,400.57	4,801.5	
16	91.69	790	61.26	117.5	
17	92.87	878	79.35	136.9	
18	94.58	1,010	41.05	61.6	
19	96.42	1,290	112.32	132.0	
20	100.26	1,871	22.34	18.1	
21	102.11	2,299	11.72	7.7	
22	105.23	3,616	14.85	6.2	
23	106.42	4,549	10.75	3.6	
24	107.32	5,258	18.42	5.3	
25	110.30	7,752	9.13	1.8	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-04-09\2014-04-09_001.xad

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Electropherogram Summary Continued ...

... Peak table for sample 4 : sample 4

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations
26	111.29	8,720	4.91	0.9	
27	113.00	10,380	75.00	10.9	Upper Marker
28	114.94	12,270	0.00	0.0	
29	115.60	12,916	0.00	0.0	

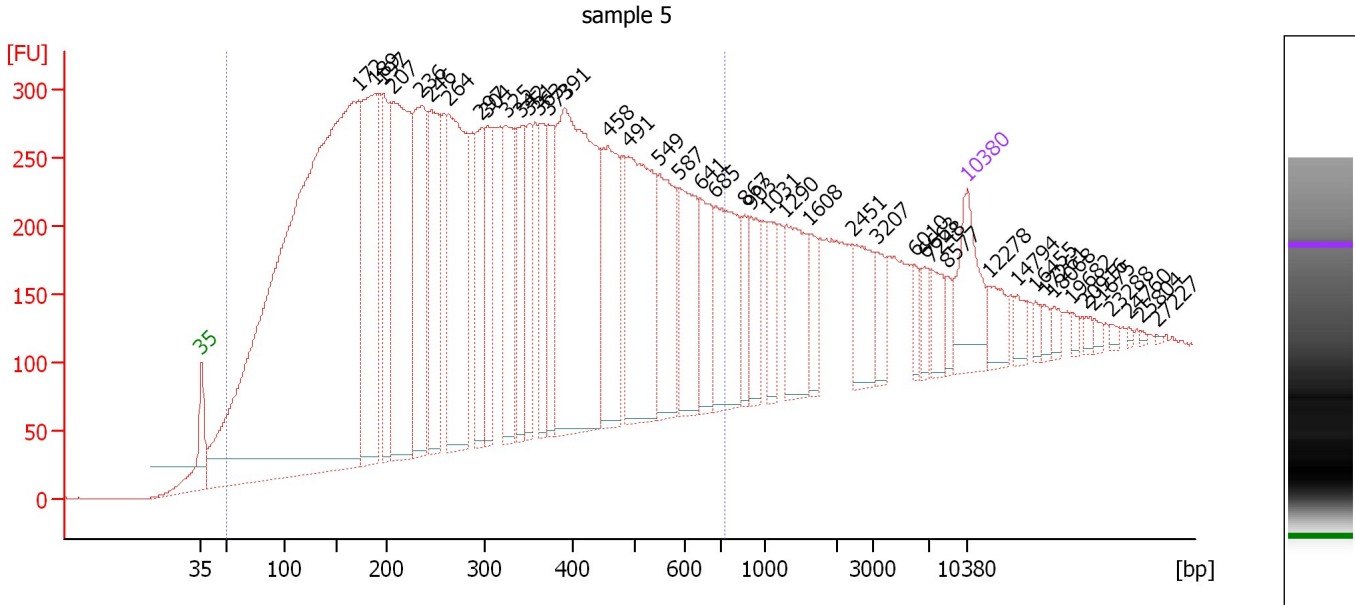
Region table for sample 4 : sample 4

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/ μ l]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
48	600	274	105,145.0	12,118.10	9,159.4	89	48.9

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-04-09\2014-04-09_001.xad

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 Modified: 4/9/2014 12:56:58 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : sample 5

Number of peaks found: 44 Corr. Area 1: 13,898.5
 Noise: 0.5

Peak table for sample 5 : sample 5

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	57.33	172	2,154.54	18,925.0	
3	58.84	189	387.00	3,101.2	
4	59.53	197	169.75	1,308.4	
5	60.50	207	436.06	3,186.1	
6	63.08	236	273.17	1,752.9	
7	64.01	246	224.09	1,377.8	
8	65.62	264	358.57	2,055.2	
9	68.59	297	138.26	704.3	
10	69.13	304	128.98	643.3	
11	70.83	325	142.99	666.7	
12	72.25	342	102.55	453.7	
13	72.93	351	87.34	377.1	
14	73.91	363	90.98	379.8	
15	74.69	373	100.96	410.5	
16	76.20	391	511.95	1,982.0	
17	80.19	458	181.47	600.3	
18	82.09	491	270.80	834.8	
19	84.87	549	140.63	388.1	
20	86.68	587	131.28	338.6	
21	88.58	641	86.99	205.7	
22	89.99	685	161.44	357.2	
23	92.72	867	34.56	60.4	
24	93.21	903	53.58	89.9	
25	94.72	1,031	44.11	64.8	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-04-09\2014-04-09_001.xad

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Electropherogram Summary Continued ...

... Peak table for sample 5 : sample 5

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
26	96.43	1,290	93.41	109.7	
27	98.52	1,608	35.23	33.2	
28	102.62	2,451	59.57	36.8	
29	104.71	3,207	30.35	14.3	
30	108.27	6,010	15.28	3.9	
31	109.10	6,663	18.20	4.1	
32	109.78	7,248	26.43	5.5	
33	111.15	8,577	13.53	2.4	
34	113.00	10,380	75.00	10.9	Upper Marker
35	114.95	12,278	0.00	0.0	
36	117.53	14,794	0.00	0.0	
37	119.24	16,455	0.00	0.0	
38	120.07	17,261	0.00	0.0	
39	120.90	18,068	0.00	0.0	
40	122.55	19,682	0.00	0.0	
41	123.82	20,916	0.00	0.0	
42	124.60	21,675	0.00	0.0	
43	126.26	23,288	0.00	0.0	
44	127.77	24,760	0.00	0.0	
45	128.84	25,804	0.00	0.0	
46	130.31	27,227	0.00	0.0	

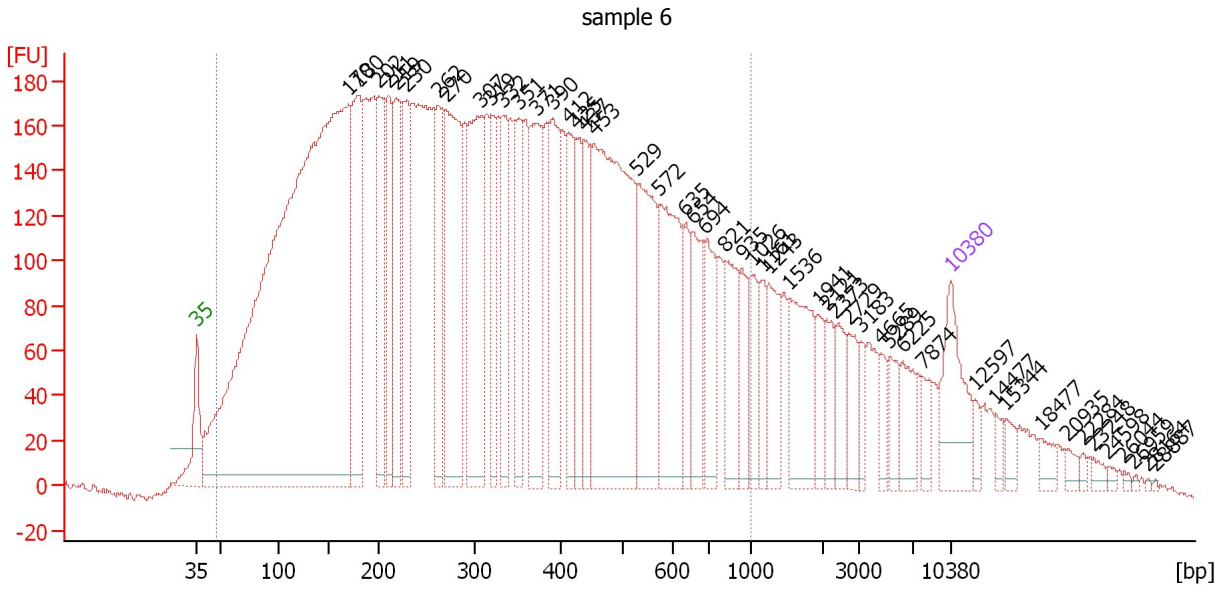
Region table for sample 5 : sample 5

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
50	729	312	54,246.5	6,860.99	13,898.5	83	51.2

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-04-09\2014-04-09_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 6 : sample 6

Number of peaks found: 50 Corr. Area 1: 10,144.1
 Noise: 1.5

Peak table for sample 6 : sample 6

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	57.11	170	1,962.63	17,486.9	
3	58.00	180	260.76	2,197.0	
4	59.98	202	170.06	1,278.3	
5	60.82	211	134.43	965.6	
6	61.51	219	141.55	980.8	
7	62.50	230	136.92	903.2	
8	65.43	262	142.34	822.5	
9	66.17	270	263.44	1,475.8	
10	69.39	307	240.27	1,185.8	
11	70.33	319	98.95	470.5	
12	71.42	332	117.47	535.9	
13	72.95	351	104.78	452.1	
14	74.53	371	171.19	699.6	
15	76.07	390	133.13	517.5	
16	77.55	412	107.06	394.1	
17	78.30	425	75.69	270.0	
18	78.99	437	74.37	257.9	
19	79.88	453	463.07	1,550.3	
20	83.94	529	177.91	509.5	
21	85.97	572	174.98	463.2	
22	88.40	635	49.99	119.2	
23	88.99	654	75.81	175.7	
24	90.28	694	75.95	165.9	
25	92.11	821	74.41	137.3	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-04-09\2014-04-09_001.xad


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Electropherogram Summary Continued ...

... Peak table for sample 6 : sample 6

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
26	93.64	935	41.44	67.1	
27	94.68	1,026	43.87	64.8	
28	95.57	1,161	32.45	42.3	
29	96.12	1,243	61.48	74.9	
30	98.05	1,536	97.65	96.3	
31	100.72	1,941	28.44	22.2	
32	101.51	2,121	31.99	22.9	
33	102.36	2,373	32.09	20.5	
34	103.54	2,729	33.03	18.3	
35	104.68	3,183	17.76	8.5	
36	106.56	4,665	17.40	5.7	
37	107.36	5,289	26.33	7.5	
38	108.54	6,225	34.74	8.5	
39	110.43	7,874	18.80	3.6	
40	113.00	10,380	75.00	10.9	Upper Marker
41	115.28	12,597	0.00	0.0	
42	117.21	14,477	0.00	0.0	
43	118.10	15,344	0.00	0.0	
44	121.32	18,477	0.00	0.0	
45	123.84	20,935	0.00	0.0	
46	125.23	22,284	0.00	0.0	
47	126.22	23,248	0.00	0.0	
48	127.60	24,598	0.00	0.0	
49	129.09	26,044	0.00	0.0	
50	130.03	26,959	0.00	0.0	
51	131.27	28,164	0.00	0.0	
52	132.01	28,887	0.00	0.0	

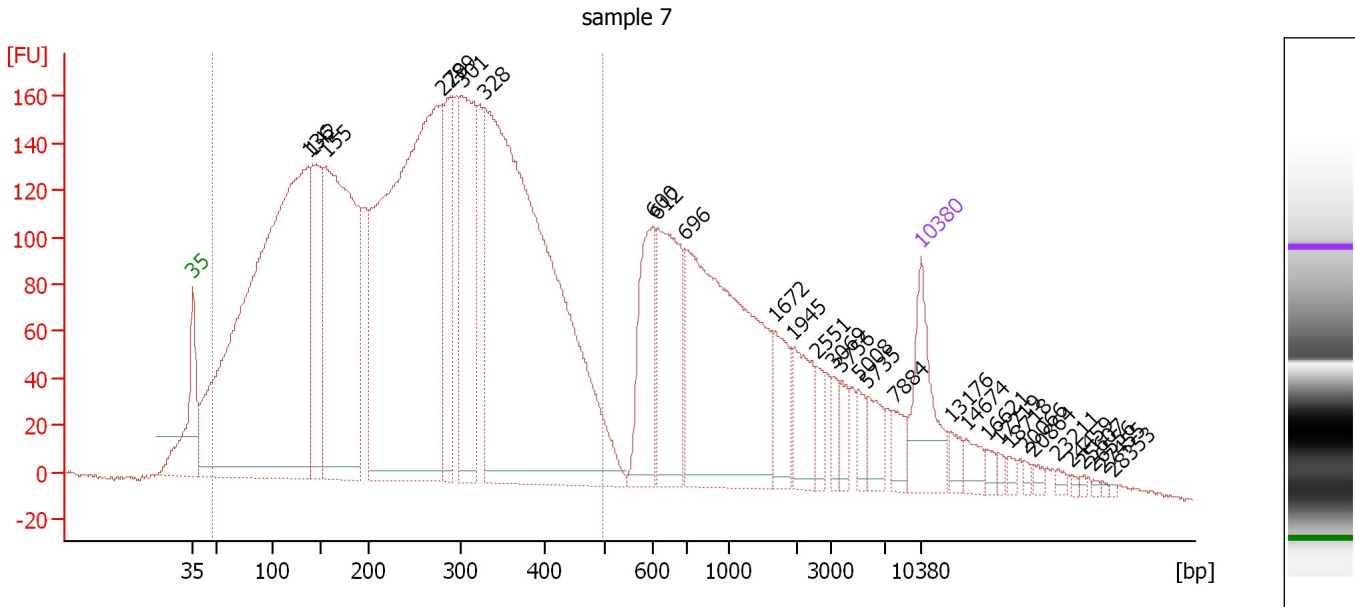
Region table for sample 6 : sample 6

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
47	1,000	346	55,335.0	7,163.64	 10,144.1	86	57.6

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-04-09\2014-04-09_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 7 : sample 7

Number of peaks found: 31 Corr. Area 1: 6,688.0
 Noise: 0.8

Peak table for sample 7 : sample 7

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	54.03	136	1,457.45	16,195.4	
3	54.54	142	256.70	2,740.5	
4	55.77	155	692.22	6,751.2	
5	66.95	279	1,042.74	5,659.6	
6	67.82	289	165.54	868.3	
7	68.90	301	279.37	1,406.5	
8	71.05	328	1,139.25	5,268.7	
9	87.26	600	130.79	330.4	
10	87.67	612	180.35	446.1	
11	90.33	696	465.29	1,013.6	
12	98.95	1,672	52.79	47.8	
13	100.74	1,945	56.36	43.9	
14	102.95	2,551	19.10	11.3	
15	104.54	3,069	17.38	8.6	
16	105.41	3,756	18.45	7.4	
17	107.00	5,008	18.82	5.7	
18	107.92	5,735	28.94	7.6	
19	110.44	7,884	20.41	3.9	
20	113.00	10,380	75.00	10.9	Upper Marker
21	115.87	13,176	0.00	0.0	
22	117.41	14,674	0.00	0.0	
23	119.41	16,621	0.00	0.0	
24	120.54	17,719	0.00	0.0	
25	121.56	18,718	0.00	0.0	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-04-09\2014-04-09_001.xad


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Electropherogram Summary Continued ...

... Peak table for sample 7 : sample 7

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations
26	122.95	20,066	0.00	0.0	
27	123.77	20,864	0.00	0.0	
28	126.18	23,211	0.00	0.0	
29	127.46	24,459	0.00	0.0	
30	128.64	25,607	0.00	0.0	
31	129.62	26,556	0.00	0.0	
32	130.54	27,455	0.00	0.0	
33	131.46	28,353	0.00	0.0	

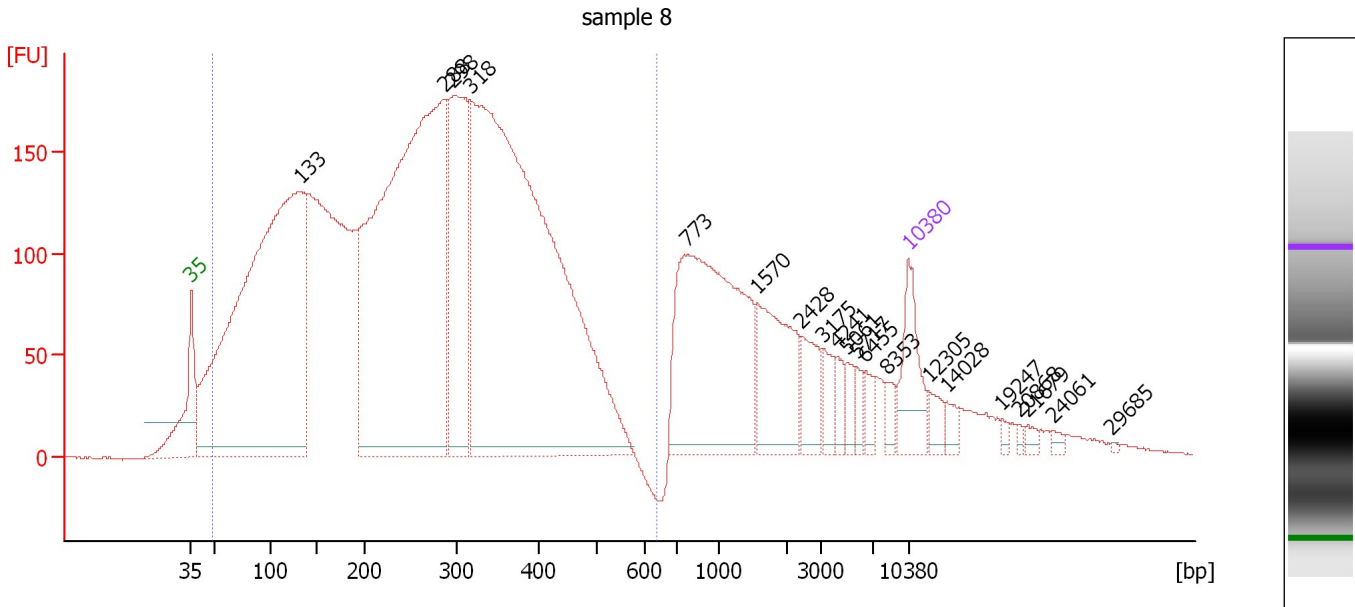
Region table for sample 7 : sample 7

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/ μ l]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
47	498	249	48,147.5	5,302.44	 6,688.0	75	43.5

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-04-09\2014-04-09_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 8 : sample 8

Number of peaks found: 20 Corr. Area 1: 7,182.1
 Noise: 0.5

Peak table for sample 8 : sample 8

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	53.72	133	1,670.29	19,022.3	
3	67.77	288	1,438.50	7,559.2	
4	68.61	298	375.93	1,913.9	
5	70.27	318	1,697.06	8,086.8	
6	91.45	773	492.86	966.5	
7	98.27	1,570	152.67	147.4	
8	102.54	2,428	55.15	34.4	
9	104.67	3,175	28.76	13.7	
10	106.03	4,241	20.99	7.5	
11	107.07	5,061	20.98	6.3	
12	107.90	5,717	14.63	3.9	
13	108.84	6,455	17.60	4.1	
14	110.92	8,353	15.75	2.9	
15	113.00	10,380	75.00	10.9	Upper Marker
16	114.98	12,305	0.00	0.0	
17	116.75	14,028	0.00	0.0	
18	122.11	19,247	0.00	0.0	
19	123.77	20,868	0.00	0.0	
20	124.61	21,679	0.00	0.0	
21	127.05	24,061	0.00	0.0	
22	132.83	29,685	0.00	0.0	


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2014-04-09\2014-04-09_001.xad

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Electropherogram Summary Continued ...

... Region table for sample 8 :

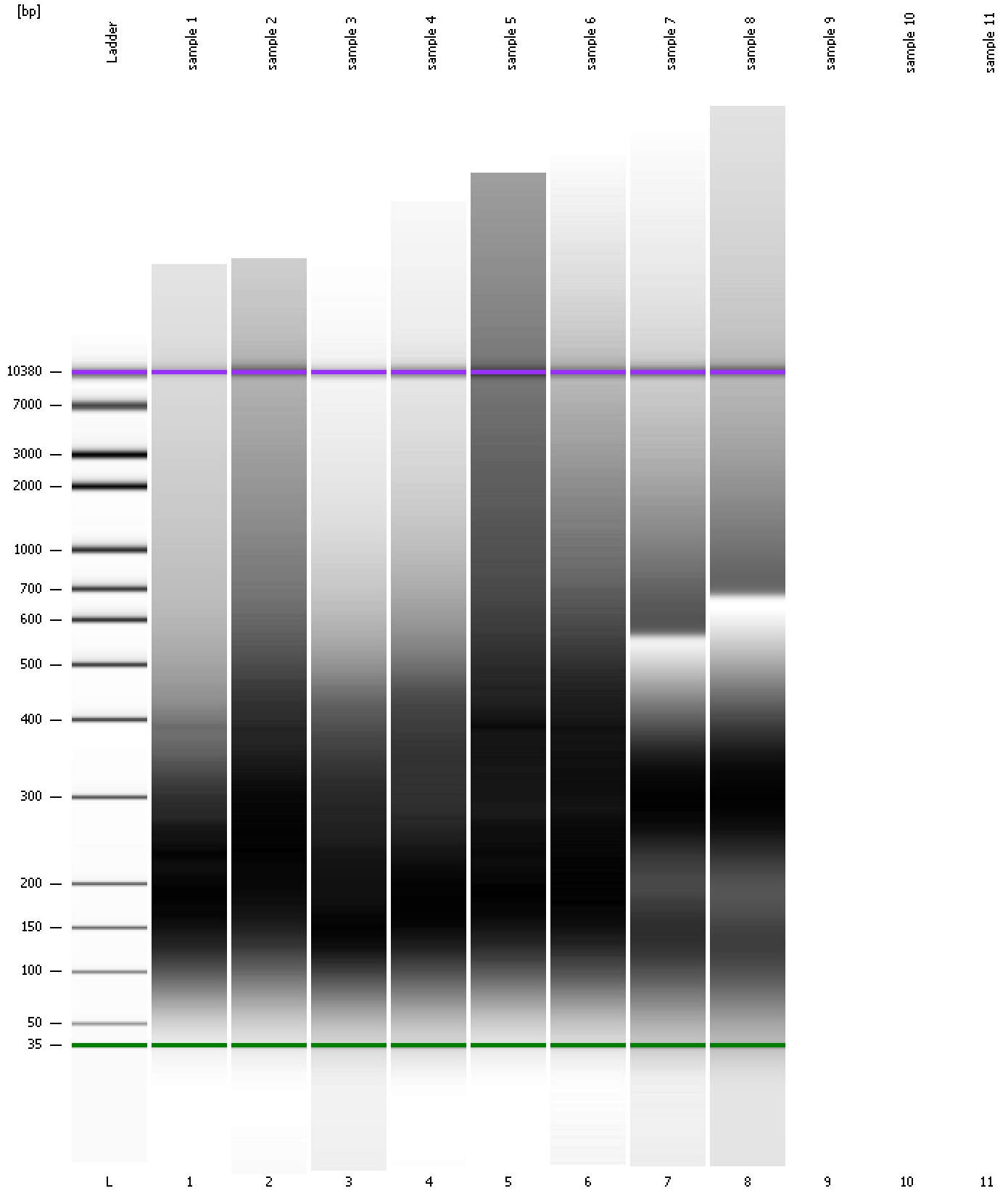
sample 8

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/ μ l]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
49	639	262	54,045.6	6,131.72	 7,182.1	80	44.4

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2014-04-09\2014-04-09_001.xad

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Gel Image



Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2014-04-09\2014-04-09_001.xad

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Invalid Samples

Sample 9 has not been run, no results available.

Sample 10 has not been run, no results available.

Sample 11 has not been run, no results available.

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-04-09\2014-04-09_001.xad

Created: 4/9/2014 12:23:39 PM
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Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 9)		Instrument	Run		4/9/2014 12:56:23 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2014-04-09\2014-04-09_001.xad)		Instrument	Run		4/9/2014 12:23:44 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		4/9/2014 12:23:44 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		4/9/2014 12:23:44 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		4/9/2014 12:23:44 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		4/9/2014 12:23:44 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		4/9/2014 12:23:44 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		4/9/2014 12:23:44 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1