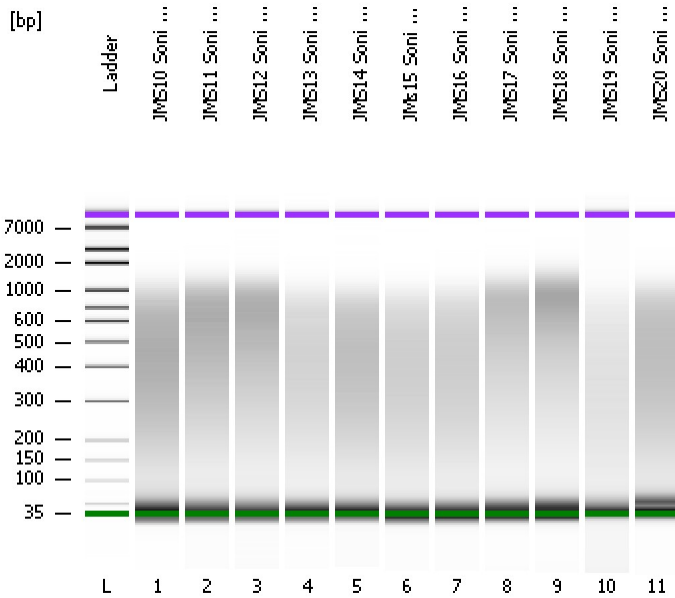


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2014-04-03\2014-04-03_007.xad

Created: 4/3/2014 3:03:24 PM
Modified: 4/3/2014 3:51:36 PM

Electrophoresis File Run Summary



Instrument Information:

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

Assay Information:

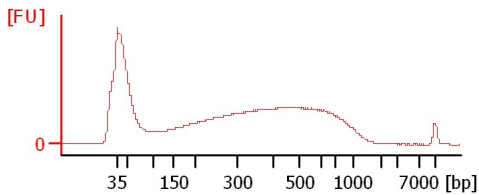
Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\dsDNA\High Sensitivity DNA.xsy

Assay Class: High Sensitivity DNA Assay
Version: 1.03
Assay Comments: Copyright © 2003-2010 Agilent Technologies

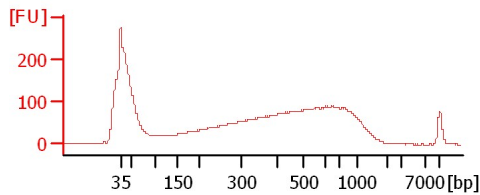
Chip Information:

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

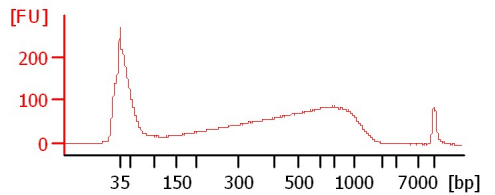
JMS10 Soni 9cyc



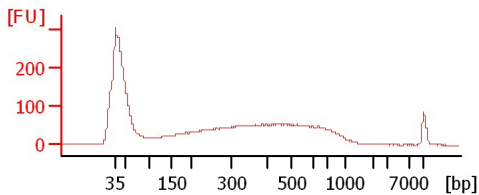
JMS11 Soni 9cyc



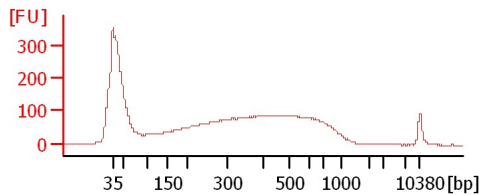
JMS12 Soni 9cyc



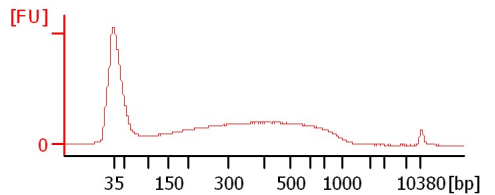
JMS13 Soni 9cyc



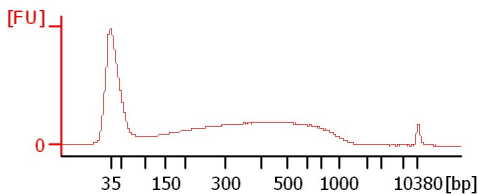
JMS14 Soni 9cyc



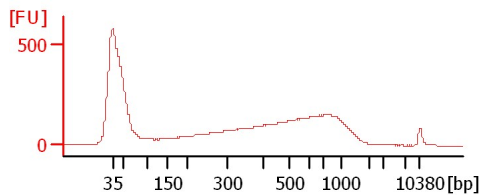
JMS15 Soni 9cyc



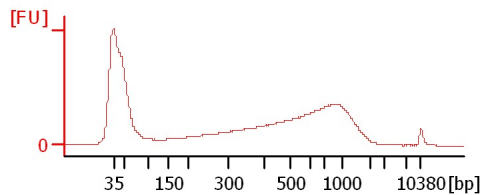
JMS16 Soni 9cyc



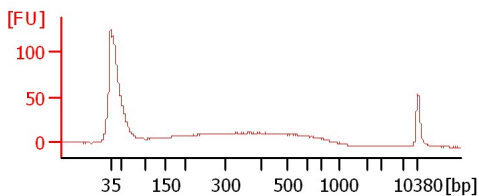
JMS17 Soni 9cyc



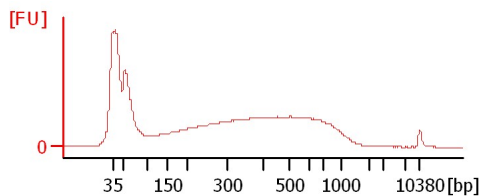
JMS18 Soni 9cyc



JMS19 Soni 9cyc



JMS20 Soni 9cyc



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-04-03\2014-04-03_007.xad

Created: 4/3/2014 3:03:24 PM
 Modified: 4/3/2014 3:51:36 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
JMS10 Soni 9cyc		<input type="checkbox"/>	✓			
JMS11 Soni 9cyc		<input type="checkbox"/>	✓			
JMS12 Soni 9cyc		<input type="checkbox"/>	✓			
JMS13 Soni 9cyc		<input type="checkbox"/>	✓			
JMS14 Soni 9cyc		<input type="checkbox"/>	✓			
JMS15 Soni 9cyc		<input type="checkbox"/>	✓			
JMS16 Soni 9cyc		<input type="checkbox"/>	✓			
JMS17 Soni 9cyc		<input type="checkbox"/>	✓			
JMS18 Soni 9cyc		<input type="checkbox"/>	✓			
JMS19 Soni 9cyc		<input type="checkbox"/>	✓			
JMS20 Soni 9cyc		<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\2014-04-03\2014-04-03_007.xad

Created: 4/3/2014 3:03:24 PM
Modified: 4/3/2014 3:51:36 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

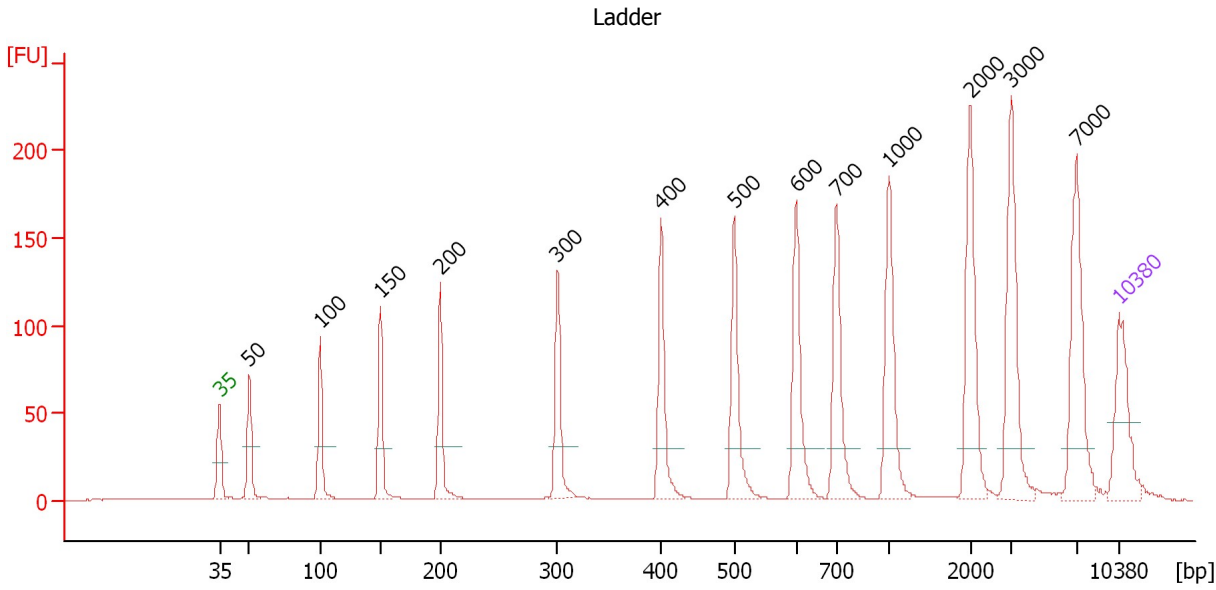
Ladder

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\2014-04-03\2014-04-03_007.xad

Created: 4/3/2014 3:03:24 PM
 Modified: 4/3/2014 3:51:36 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

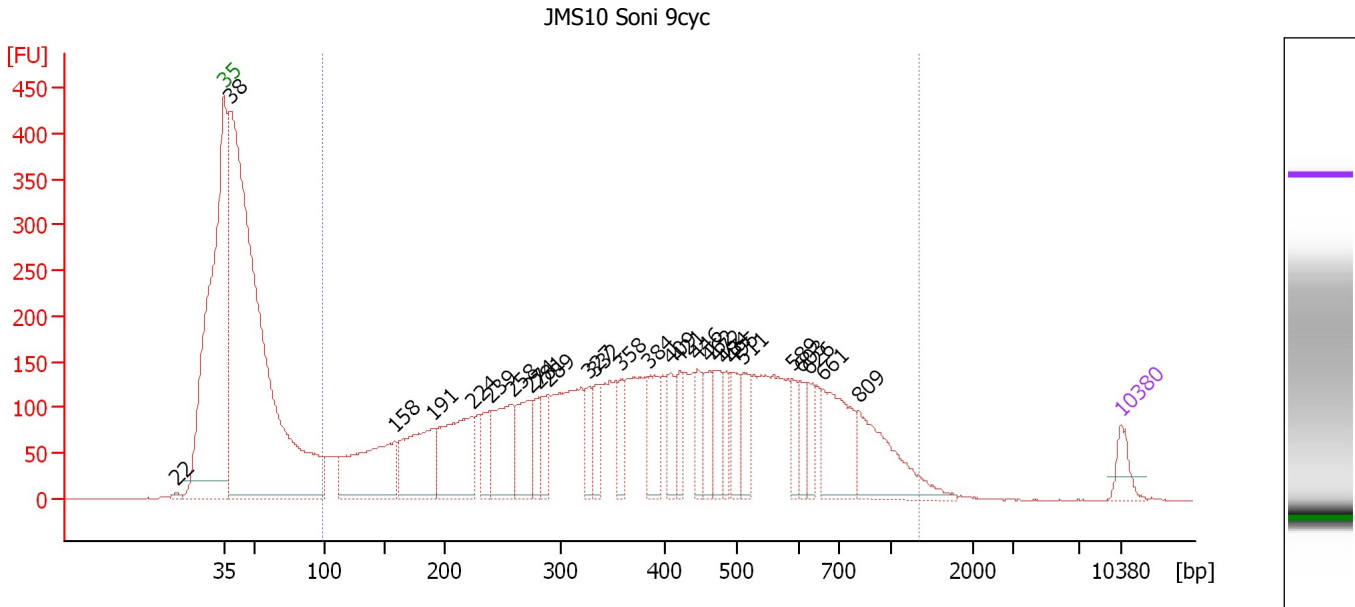
Peak table for Ladder

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	45.32	50	150.00	4,545.5	Ladder Peak
3	50.84	100	150.00	2,272.7	Ladder Peak
4	55.53	150	150.00	1,515.2	Ladder Peak
5	60.18	200	150.00	1,136.4	Ladder Peak
6	69.31	300	150.00	757.6	Ladder Peak
7	77.36	400	150.00	568.2	Ladder Peak
8	83.04	500	150.00	454.5	Ladder Peak
9	87.85	600	150.00	378.8	Ladder Peak
10	91.01	700	150.00	324.7	Ladder Peak
11	95.12	1,000	150.00	227.3	Ladder Peak
12	101.42	2,000	150.00	113.6	Ladder Peak
13	104.62	3,000	150.00	75.8	Ladder Peak
14	109.68	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\2014-04-03\2014-04-03_007.xad

Created: 4/3/2014 3:03:24 PM
 Modified: 4/3/2014 3:51:36 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : JMS10 Soni 9cyc

Number of peaks found: 27 Corr. Area 1: 6,836.6
 Noise: 0.2

Peak table for sample 1 : JMS10 Soni 9cyc

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	39.34	22	0.00	0.0	
2	43.00	35	125.00	5,411.3	Lower Marker
3	43.50	38	5,935.17	235,275.0	
4	56.31	158	770.97	7,375.7	
5	59.30	191	605.82	4,816.1	
6	62.34	224	653.94	4,429.6	
7	63.75	239	186.94	1,184.2	
8	65.46	258	436.38	2,564.1	
9	66.92	274	333.59	1,846.0	
10	67.58	281	154.59	833.3	
11	68.29	289	165.39	867.6	
12	71.49	327	153.60	711.4	
13	71.91	332	154.52	704.6	
14	73.94	358	141.51	599.6	
15	76.11	384	235.54	928.2	
16	77.85	409	181.07	671.2	
17	78.56	421	124.46	447.7	
18	79.98	446	142.24	483.1	
19	80.89	462	177.88	583.2	
20	81.43	472	168.26	540.5	
21	82.14	484	119.35	373.5	
22	82.76	495	189.87	581.1	
23	83.55	511	166.81	495.0	
24	87.34	589	118.69	305.2	
25	87.96	603	100.83	253.2	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-04-03\2014-04-03_007.xad

Created: 4/3/2014 3:03:24 PM
 Modified: 4/3/2014 3:51:36 PM

Electropherogram Summary Continued ...

... Peak table for sample 1 : JMS10 Soni 9cyc

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations
26	88.67	626	106.38	257.6	
27	89.79	661	401.01	918.6	
28	92.49	809	427.83	801.7	
29	113.00	10,380	75.00	10.9	Upper Marker

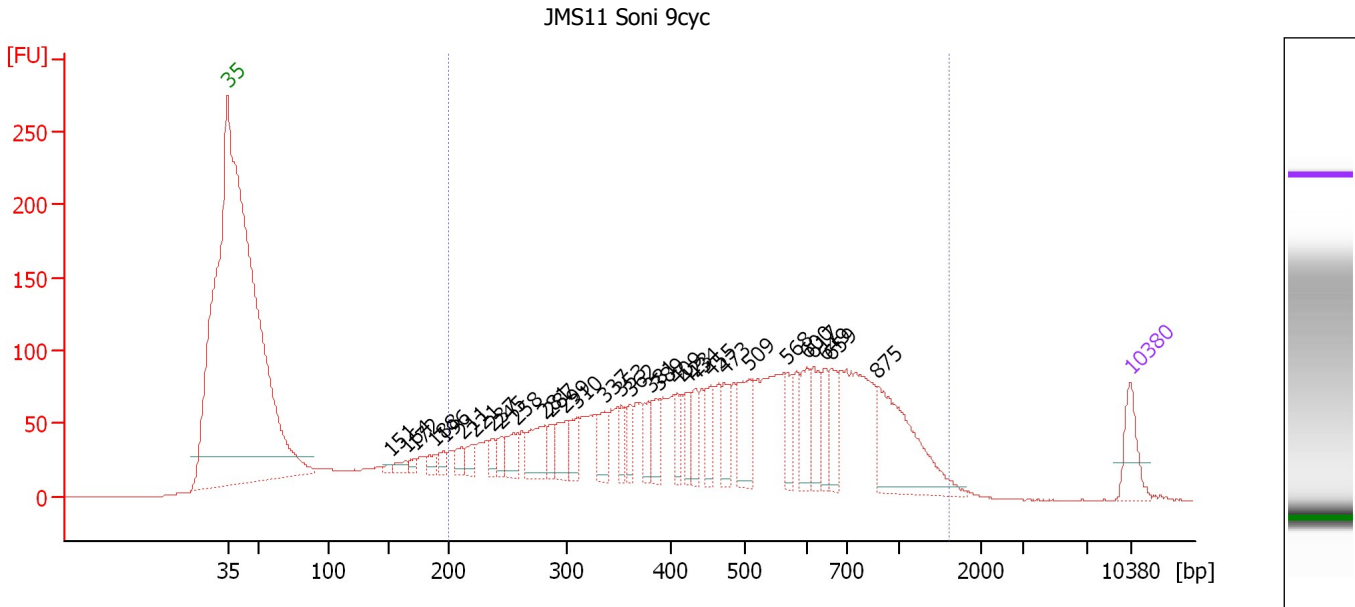
Region table for sample 1 : JMS10 Soni 9cyc

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/ μ l]	Co Corr. for Area	% of Total	Size distribution in CV [%]
99	1,344	427	49,445.9	9,279.39	6,836.6	69	49.7

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-04-03\2014-04-03_007.xad

Created: 4/3/2014 3:03:24 PM
 Modified: 4/3/2014 3:51:36 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : JMS11 Soni 9cyc

Number of peaks found: 31 Corr. Area 1: 3,236.1
 Noise: 0.2

Peak table for sample 2 : JMS11 Soni 9cyc


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	55.61	151	11.29	113.4	
3	56.81	164	26.01	240.6	
4	57.55	172	18.12	159.8	
5	59.04	188	28.64	231.1	
6	59.79	196	32.76	253.5	
7	61.19	211	38.14	273.7	
8	62.10	221	46.00	315.3	
9	63.59	237	37.86	241.6	
10	64.25	245	39.37	243.9	
11	65.49	258	76.75	450.4	
12	67.56	281	127.01	685.2	
13	68.10	287	45.09	238.3	
14	69.21	299	93.21	472.4	
15	70.08	310	74.45	364.3	
16	72.27	337	77.97	350.7	
17	73.56	353	53.67	230.5	
18	74.26	362	53.40	223.8	
19	75.79	381	74.94	298.4	
20	76.45	389	67.94	264.8	
21	77.90	409	57.23	211.8	
22	78.68	423	57.93	207.3	
23	79.30	434	63.71	222.3	
24	80.46	455	78.87	262.9	
25	81.49	473	76.22	244.3	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-04-03\2014-04-03_007.xad

Created: 4/3/2014 3:03:24 PM
 Modified: 4/3/2014 3:51:36 PM

Electropherogram Summary Continued ...

... Peak table for sample 2 : JMS11 Soni 9cyc

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
26	83.48	509	137.67	409.8	
27	86.33	568	80.14	213.6	
28	87.86	600	93.41	235.8	
29	88.40	617	94.35	231.6	
30	89.39	649	71.30	166.5	
31	89.72	659	81.23	186.7	
32	93.40	875	318.75	552.1	
33	 113.00	10,380	75.00	10.9	Upper Marker

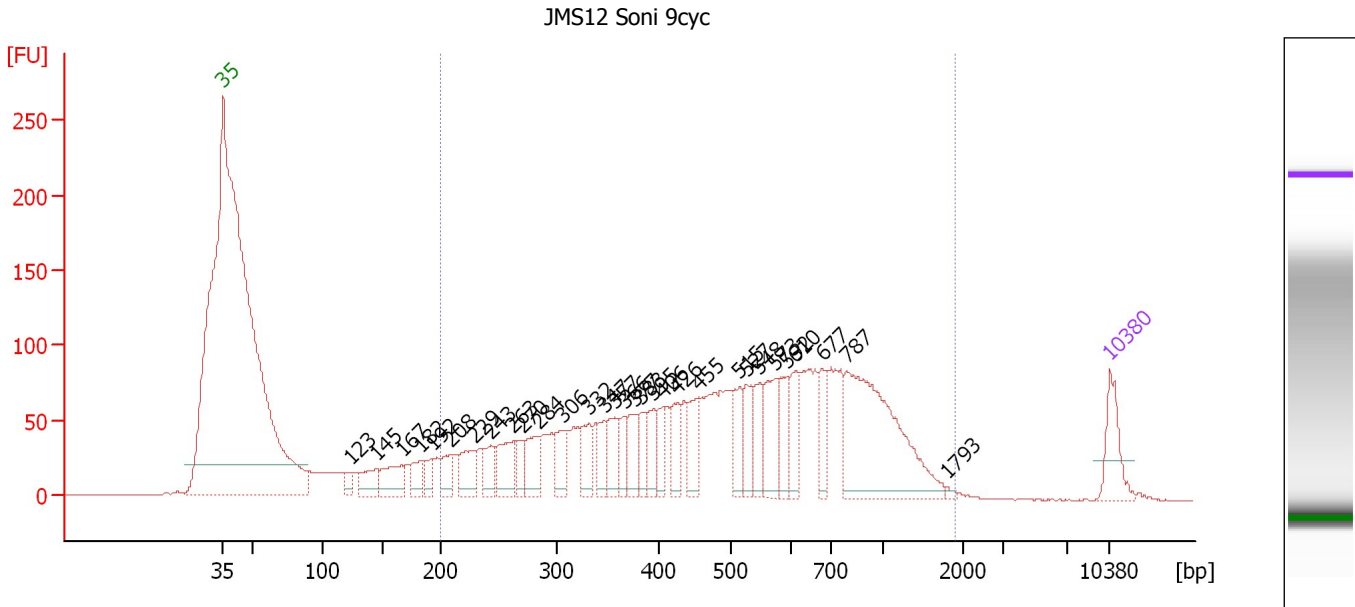
Region table for sample 2 : JMS11 Soni 9cyc

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
200	1,603	533	15,725.4	4,176.68	 3,236.1	87	47.5

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-04-03\2014-04-03_007.xad

Created: 4/3/2014 3:03:24 PM
 Modified: 4/3/2014 3:51:36 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : JMS12 Soni 9cyc

Number of peaks found: 31 Corr. Area 1: 2,919.0
 Noise: 0.1

Peak table for sample 3 : JMS12 Soni 9cyc


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	53.02	123	27.51	338.3	
3	55.04	145	81.82	856.5	
4	57.10	167	105.17	954.8	
5	58.53	182	61.53	511.4	
6	59.46	192	45.40	357.8	
7	60.93	208	64.50	469.3	
8	62.83	229	101.47	671.3	
9	64.13	243	69.36	431.9	
10	65.90	263	118.96	686.2	
11	66.57	270	53.58	300.6	
12	67.88	284	98.18	523.2	
13	69.81	306	78.48	388.2	
14	71.88	332	80.74	368.6	
15	73.05	347	63.11	275.9	
16	73.90	357	75.41	320.1	
17	74.65	366	56.40	233.2	
18	75.54	377	79.51	319.2	
19	76.00	383	57.53	227.5	
20	76.97	395	76.79	294.4	
21	77.68	406	54.43	203.2	
22	78.82	426	75.57	269.0	
23	80.50	455	89.34	297.3	
24	83.75	515	72.99	214.9	
25	84.33	527	81.97	235.7	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-04-03\2014-04-03_007.xad


Created: 4/3/2014 3:03:24 PM
 Modified: 4/3/2014 3:51:36 PM

Electropherogram Summary Continued ...

... Peak table for sample 3 : JMS12 Soni 9cyc

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations
26	85.35	548	81.00	224.0	
27	86.57	573	122.75	324.5	
28	87.49	592	76.12	194.7	
29	88.17	610	82.49	205.0	
30	90.27	677	80.62	180.5	
31	92.21	787	478.09	919.9	
32	100.12	1,793	5.24	4.4	
33	 113.00	10,380	75.00	10.9	Upper Marker

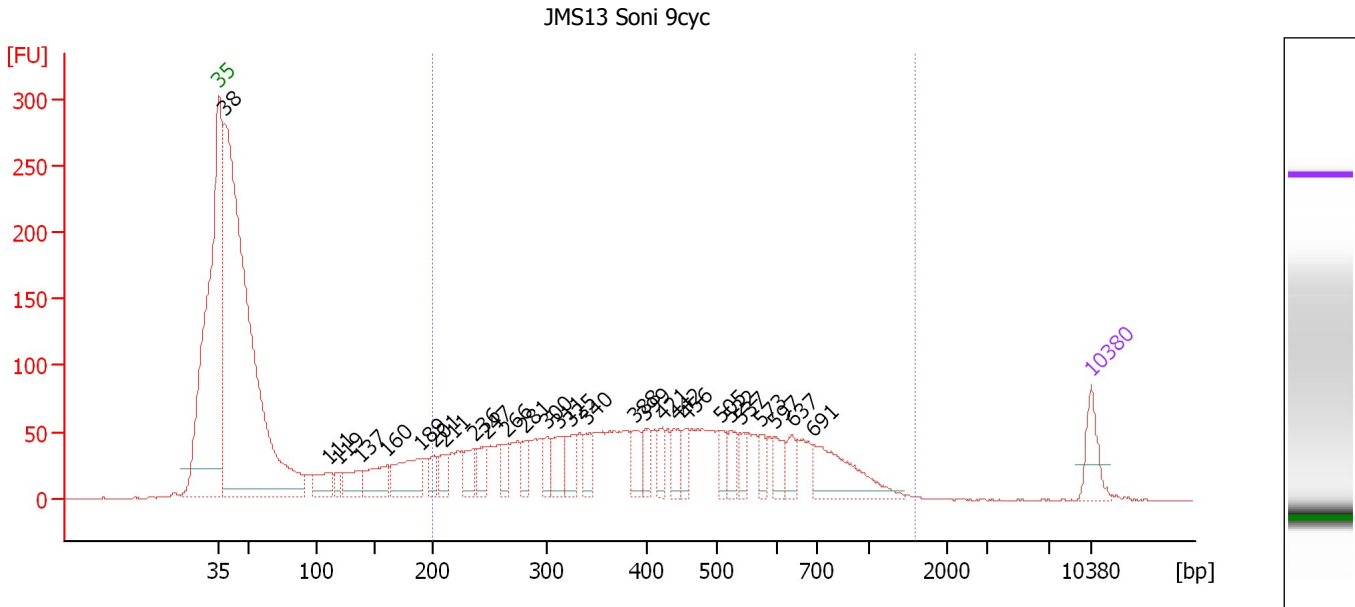
Region table for sample 3 : JMS12 Soni 9cyc

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/ μ l]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
200	1,894	567	12,228.5	3,366.68	 2,919.0	88	50.5

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-04-03\2014-04-03_007.xad

Created: 4/3/2014 3:03:24 PM
 Modified: 4/3/2014 3:51:36 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : JMS13 Soni 9cyc

Number of peaks found: 28 Corr. Area 1: 2,176.4
 Noise: 0.1

Peak table for sample 4 : JMS13 Soni 9cyc

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	43.47	38	3,256.45	129,705.5	
3	51.86	111	99.36	1,357.8	
4	52.59	119	36.33	464.0	
5	54.30	137	107.04	1,184.7	
6	56.49	160	144.40	1,365.1	
7	59.14	189	210.68	1,690.5	
8	60.25	201	58.88	444.2	
9	61.20	211	70.93	509.0	
10	63.46	236	93.59	600.8	
11	64.45	247	76.02	466.7	
12	66.16	266	52.93	302.0	
13	67.57	281	54.00	291.1	
14	69.33	300	62.84	317.0	
15	70.23	311	103.39	503.0	
16	71.30	325	86.44	403.3	
17	72.50	340	73.74	328.9	
18	76.35	388	72.41	283.1	
19	77.25	399	67.99	258.4	
20	78.58	421	56.30	202.4	
21	79.73	442	69.84	239.5	
22	80.55	456	54.90	182.4	
23	83.29	505	51.23	153.7	
24	84.10	522	62.32	180.9	
25	84.83	537	47.25	133.3	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-04-03\2014-04-03_007.xad

Created: 4/3/2014 3:03:24 PM
 Modified: 4/3/2014 3:51:36 PM

Electropherogram Summary Continued ...

... Peak table for sample 4 : JMS13 Soni 9cyc

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations
26	86.54	573	46.08	121.9	
27	87.70	597	60.13	152.7	
28	89.02	637	53.09	126.3	
29	90.74	691	222.17	486.9	
30	113.00	10,380	75.00	10.9	Upper Marker

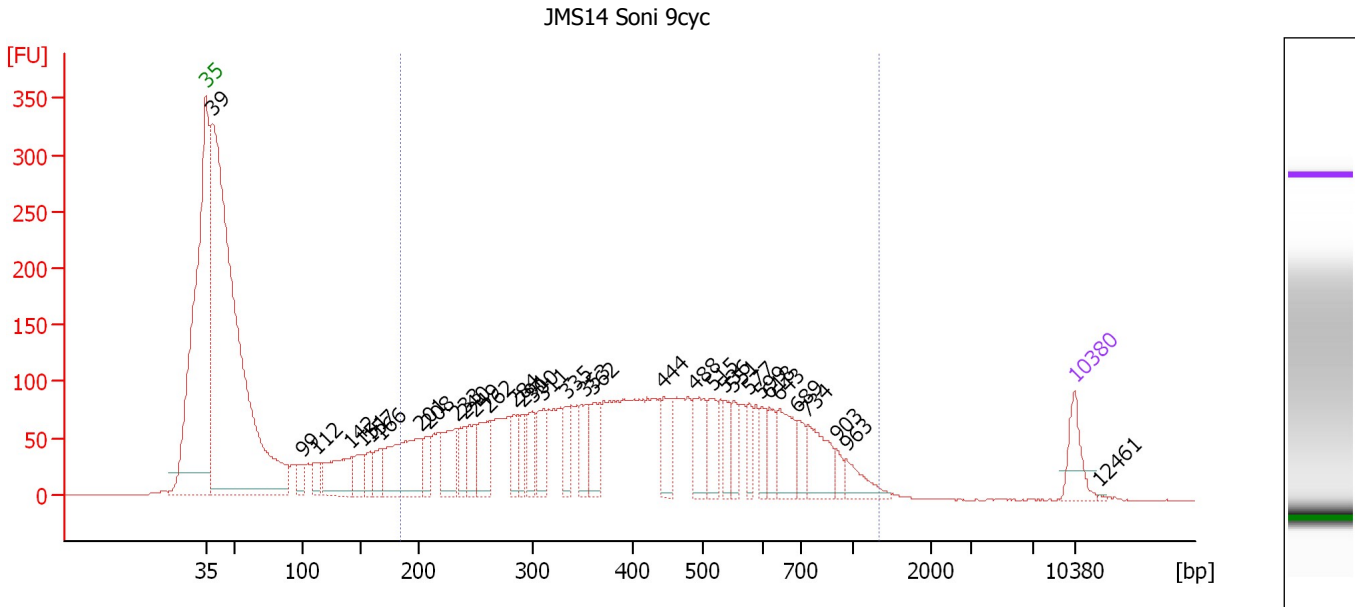
Region table for sample 4 : JMS13 Soni 9cyc

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/ μ l]	Co Corr. for Area	% of Total	Size distribution in CV [%]
200	1,605	458	12,157.9	2,913.46	2,176.4	51	44.4

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-04-03\2014-04-03_007.xad

Created: 4/3/2014 3:03:24 PM
 Modified: 4/3/2014 3:51:36 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : JMS14 Soni 9cyc

Number of peaks found: 34 Corr. Area 1: 3,654.9
 Noise: 0.2

Peak table for sample 5 : JMS14 Soni 9cyc

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	43.57	39	3,230.38	126,640.9	
3	50.78	99	50.09	763.1	
4	52.00	112	61.86	834.3	
5	54.74	142	220.04	2,355.2	
6	55.65	151	95.14	952.8	
7	56.22	157	62.98	606.4	
8	57.04	166	73.45	669.3	
9	60.30	201	352.66	2,653.4	
10	60.91	208	68.15	496.3	
11	63.17	233	161.67	1,052.1	
12	63.83	240	88.92	561.4	
13	64.61	249	101.07	616.2	
14	65.87	262	147.25	850.5	
15	67.83	284	76.29	407.3	
16	68.52	291	75.97	395.0	
17	69.30	300	105.14	531.1	
18	70.22	311	110.66	538.6	
19	72.13	335	74.98	339.0	
20	73.57	353	101.11	434.1	
21	74.26	362	129.16	541.3	
22	79.87	444	105.21	358.9	
23	82.35	488	137.01	425.6	
24	83.78	515	102.41	301.1	
25	84.78	536	65.10	184.0	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-04-03\2014-04-03_007.xad

Created: 4/3/2014 3:03:24 PM
 Modified: 4/3/2014 3:51:36 PM

Electropherogram Summary Continued ...

... Peak table for sample 5 : JMS14 Soni 9cyc

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
26	85.48	551	71.67	197.2	
27	86.74	577	54.72	143.7	
28	87.78	599	51.57	130.6	
29	88.43	618	65.93	161.5	
30	89.22	643	132.04	311.0	
31	90.65	689	63.70	140.1	
32	91.48	734	137.88	284.5	
33	93.78	903	29.70	49.9	
34	94.61	963	65.49	103.0	
35	113.00	10,380	75.00	10.9	Upper Marker
36	115.04	12,461	0.00	0.0	

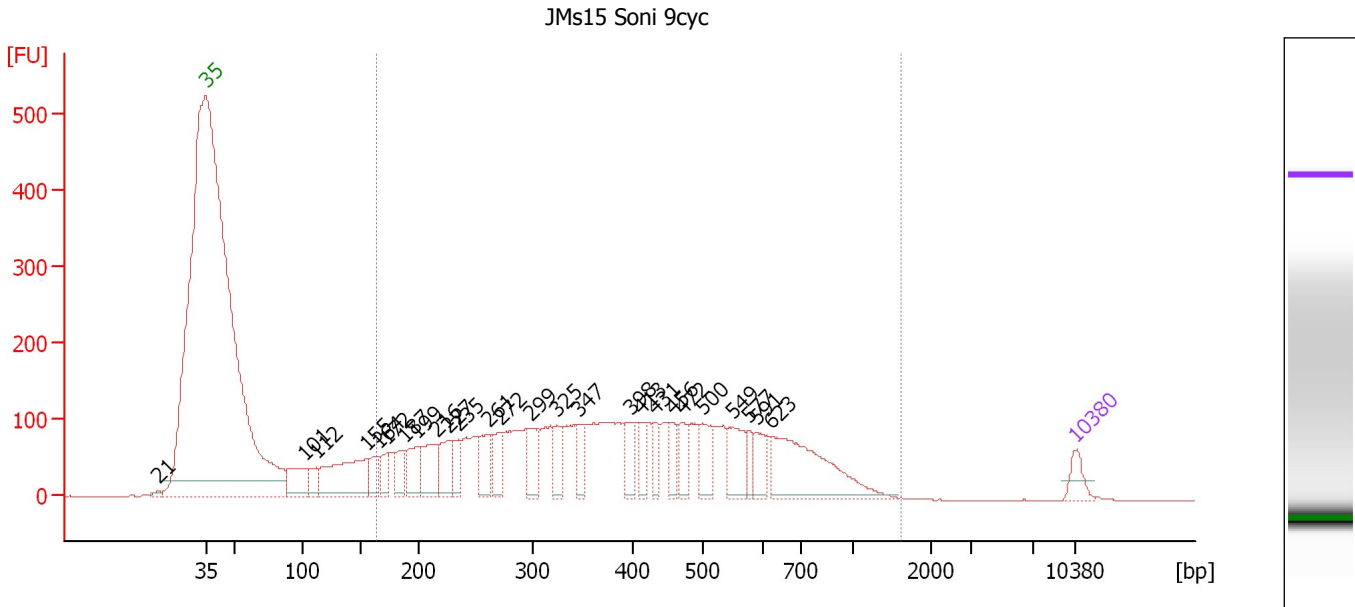
Region table for sample 5 : JMS14 Soni 9cyc

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. for Area	% of Total	Size distribution in CV [%]
183	1,334	447	17,702.1	4,096.92	3,654.9	59	42.8

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-04-03\2014-04-03_007.xad

Created: 4/3/2014 3:03:24 PM
 Modified: 4/3/2014 3:51:36 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : JMs15 Soni 9cyc

Number of peaks found: 26 Corr. Area 1: 4,360.1
 Noise: 0.2

Peak table for sample 6 : JMs15 Soni 9cyc

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	39.12	21	0.00	0.0	
2	43.00	35	125.00	5,411.3	Lower Marker
3	50.93	101	274.76	4,124.0	
4	51.96	112	119.28	1,615.4	
5	56.01	155	637.32	6,223.4	
6	56.86	164	149.46	1,378.6	
7	57.61	172	120.59	1,059.7	
8	58.95	187	141.39	1,146.8	
9	60.07	199	227.26	1,732.2	
10	61.63	216	312.75	2,195.4	
11	62.65	227	217.47	1,451.0	
12	63.36	235	163.17	1,052.5	
13	65.77	261	224.86	1,304.2	
14	66.79	272	186.48	1,037.0	
15	69.24	299	196.42	994.3	
16	71.34	325	172.66	804.4	
17	73.12	347	158.84	692.8	
18	77.18	398	162.23	618.0	
19	78.11	413	118.11	433.0	
20	79.14	431	107.41	377.3	
21	80.56	456	113.77	377.7	
22	81.45	472	143.91	461.9	
23	83.06	500	183.92	557.0	
24	85.42	549	229.31	632.4	
25	86.76	577	80.60	211.6	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-04-03\2014-04-03_007.xad

Created: 4/3/2014 3:03:24 PM
 Modified: 4/3/2014 3:51:36 PM

Electropherogram Summary Continued ...

... Peak table for sample 6 : JMs15 Soni 9cyc

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations
26	87.42	591	135.70	347.9	
27	88.58	623	671.28	1,632.4	
28	113.00	10,380	75.00	10.9	Upper Marker

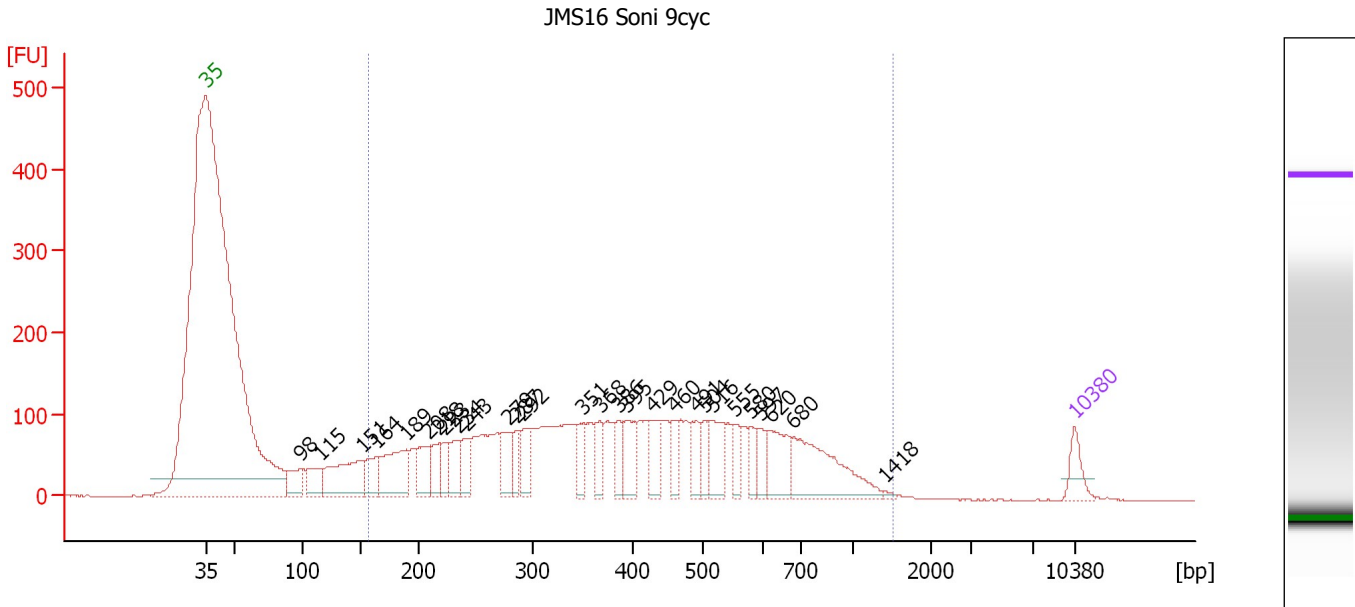
Region table for sample 6 : JMs15 Soni 9cyc

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/ μ l]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
163	1,627	428	31,918.5	6,856.36	4,360.1	88	45.8

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-04-03\2014-04-03_007.xad

Created: 4/3/2014 3:03:24 PM
 Modified: 4/3/2014 3:51:36 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : JMS16 Soni 9cyc

Number of peaks found: 28 Corr. Area 1: 4,219.5
 Noise: 0.2

Peak table for sample 7 : JMS16 Soni 9cyc

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	50.60	98	155.95	2,415.5	
3	52.28	115	154.52	2,030.7	
4	55.58	151	418.72	4,215.0	
5	56.80	164	158.30	1,465.6	
6	59.20	189	364.47	2,914.7	
7	60.92	208	186.58	1,358.4	
8	61.82	218	124.61	866.0	
9	62.32	223	97.17	658.8	
10	63.32	234	150.35	972.0	
11	64.09	243	129.80	810.0	
12	67.39	279	171.34	930.5	
13	68.11	287	101.28	534.8	
14	68.57	292	142.25	738.4	
15	73.41	351	104.26	450.1	
16	74.76	368	109.68	451.8	
17	76.26	386	99.60	390.6	
18	76.94	395	167.67	643.5	
19	79.02	429	136.63	482.3	
20	80.78	460	86.57	285.0	
21	82.50	491	109.26	337.5	
22	83.23	504	89.44	269.0	
23	83.81	516	186.11	546.4	
24	85.67	555	84.56	231.0	
25	86.89	580	83.52	218.2	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-04-03\2014-04-03_007.xad

Created: 4/3/2014 3:03:24 PM
 Modified: 4/3/2014 3:51:36 PM

Electropherogram Summary Continued ...

... Peak table for sample 7 : JMS16 Soni 9cyc

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
26	87.71	597	79.28	201.2	
27	88.48	620	202.05	494.0	
28	90.38	680	436.72	973.2	
29	97.75	1,418	8.76	9.4	
30	113.00	10,380	75.00	10.9	Upper Marker

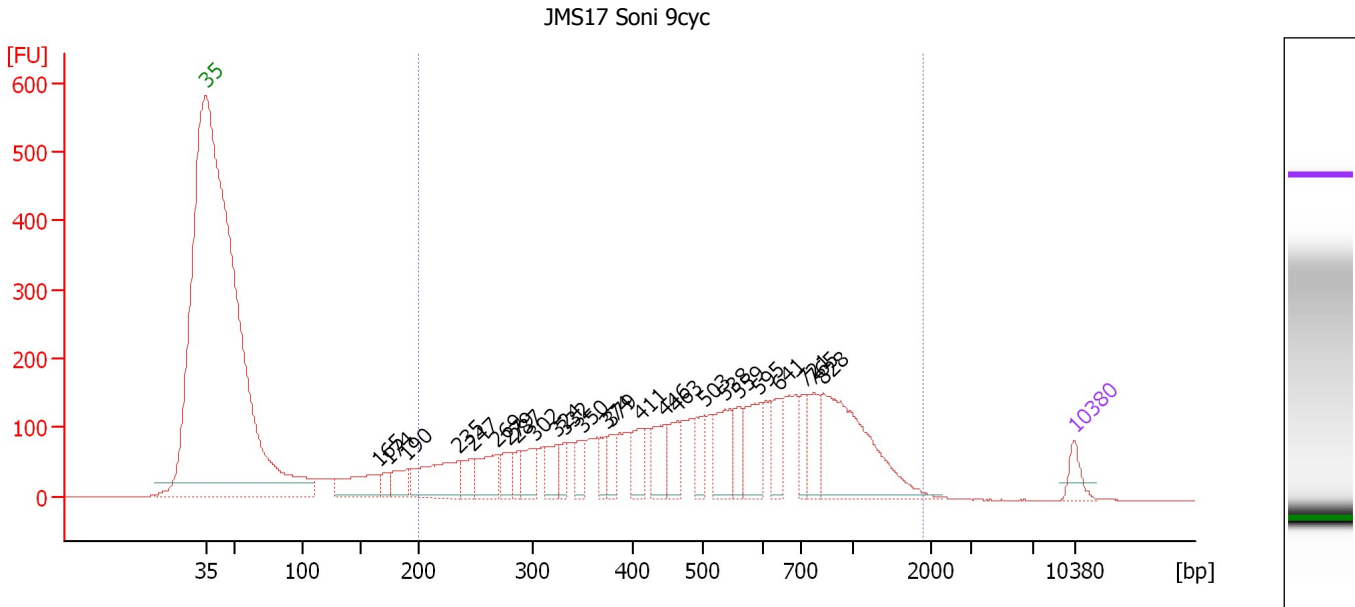
Region table for sample 7 : JMS16 Soni 9cyc

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. for Area	% of Total	Size distribution in CV [%]
156	1,516	436	26,080.9	5,595.78	4,219.5	89	47.3

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-04-03\2014-04-03_007.xad

Created: 4/3/2014 3:03:24 PM
 Modified: 4/3/2014 3:51:36 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : JMS17 Soni 9cyc

Number of peaks found: 25 Corr. Area 1: 4,768.0
 Noise: 0.2

Peak table for sample 8 : JMS17 Soni 9cyc

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	56.96	165	335.52	3,073.4	
3	57.79	174	86.81	754.7	
4	59.21	190	154.97	1,238.8	
5	63.37	235	479.55	3,092.0	
6	64.43	247	151.03	928.2	
7	66.44	269	266.15	1,501.3	
8	67.40	279	137.05	743.9	
9	68.13	287	86.23	455.0	
10	69.46	302	187.76	942.2	
11	71.25	324	185.16	865.6	
12	71.89	332	105.39	480.9	
13	73.35	350	120.14	519.7	
14	75.23	374	114.53	464.5	
15	75.64	379	117.69	470.9	
16	77.98	411	172.77	637.0	
17	79.99	446	208.71	708.5	
18	80.95	463	183.42	599.9	
19	83.20	503	166.96	502.7	
20	84.89	538	294.46	828.6	
21	85.90	559	161.57	437.7	
22	87.64	595	274.45	698.3	
23	89.15	641	184.89	437.0	
24	91.30	721	127.93	268.7	
25	91.89	765	215.71	427.4	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-04-03\2014-04-03_007.xad

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 Modified: 4/3/2014 3:51:36 PM

Electropherogram Summary Continued ...

... Peak table for sample 8 : JMS17 Soni 9cyc

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations
26	92.76	828	871.13	1,593.6	
27	113.00	10,380	75.00	10.9	Upper Marker

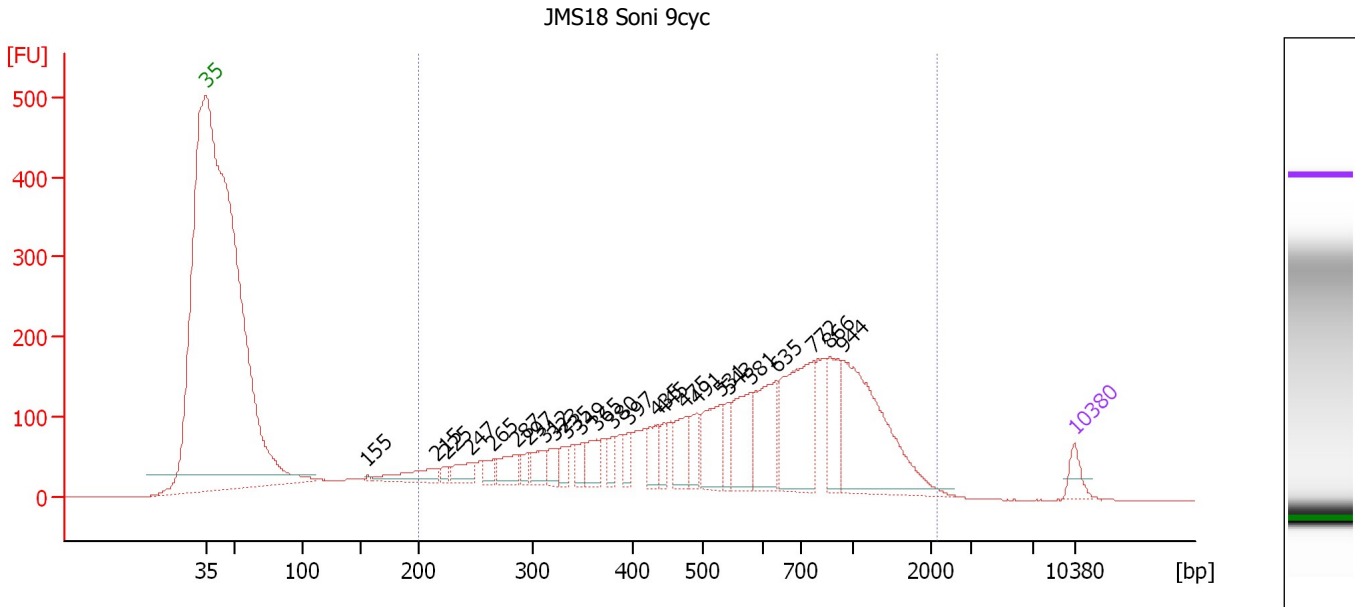
Region table for sample 8 : JMS17 Soni 9cyc

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/ μ l]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
200	1,900	581	21,756.5	6,089.81	4,768.0	90	51.1

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-04-03\2014-04-03_007.xad

Created: 4/3/2014 3:03:24 PM
 Modified: 4/3/2014 3:51:36 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : JMS18 Soni 9cyc

Number of peaks found: 25 Corr. Area 1: 4,641.2
 Noise: 0.2

Peak table for sample 9 : JMS18 Soni 9cyc

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	56.02	155	11.79	115.1	
3	61.56	215	191.23	1,346.6	
4	62.44	225	45.32	305.5	
5	64.42	247	139.03	854.5	
6	66.13	265	88.51	505.6	
7	68.12	287	165.60	874.3	
8	69.00	297	65.10	332.6	
9	70.24	312	143.18	696.2	
10	71.12	323	98.95	464.9	
11	72.09	335	85.44	387.0	
12	73.29	349	90.96	394.4	
13	74.54	365	158.36	657.4	
14	75.78	380	98.88	393.8	
15	77.08	397	103.81	396.7	
16	79.34	435	162.89	567.5	
17	79.89	445	96.27	328.1	
18	81.65	475	219.05	698.0	
19	82.53	491	164.82	508.7	
20	84.51	531	331.95	948.0	
21	85.11	543	116.51	325.1	
22	86.96	581	338.63	882.5	
23	88.94	635	416.84	995.4	
24	91.99	772	714.10	1,402.0	
25	93.28	866	314.70	550.5	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-04-03\2014-04-03_007.xad

Created: 4/3/2014 3:03:24 PM
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Electropherogram Summary Continued ...

... Peak table for sample 9 : JMS18 Soni 9cyc

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations
26	94.35	944	954.81	1,532.9	
27	113.00	10,380	75.00	10.9	Upper Marker

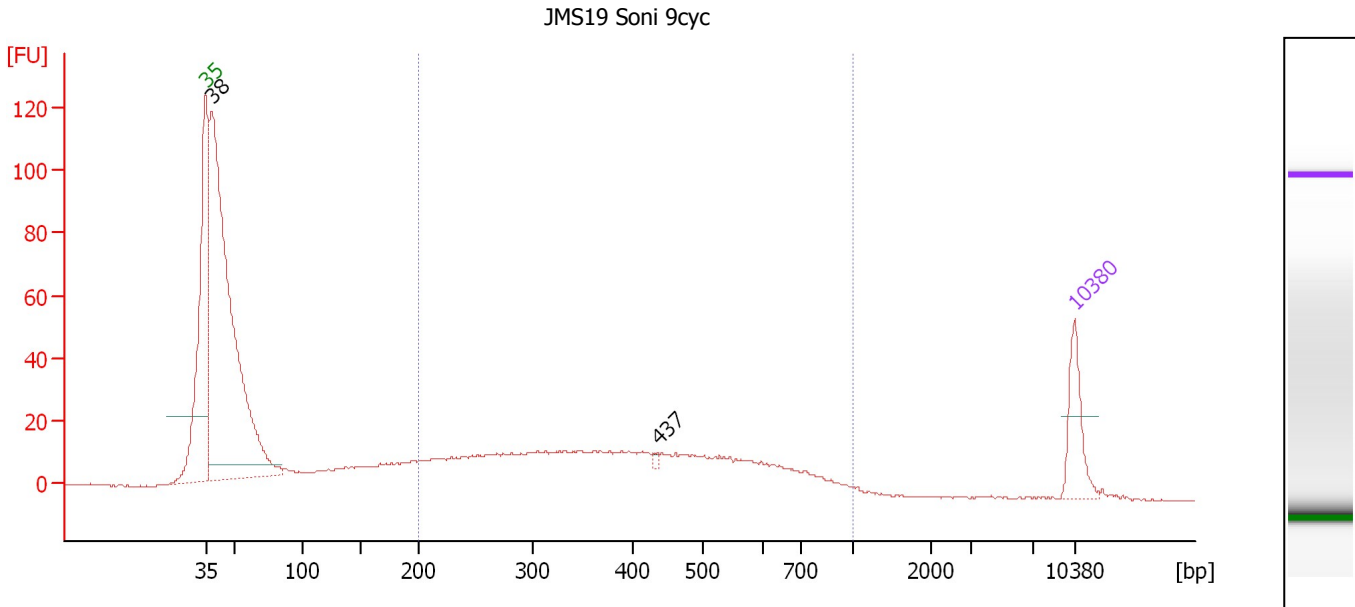
Region table for sample 9 : JMS18 Soni 9cyc

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/ μ l]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
200	2,177	663	23,614.8	7,184.98	4,641.2	92	54.3

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-04-03\2014-04-03_007.xad

Created: 4/3/2014 3:03:24 PM
 Modified: 4/3/2014 3:51:36 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : JMS19 Soni 9cyc

Number of peaks found: 2 Corr. Area 1: 490.6
 Noise: 0.1

Peak table for sample 10 : JMS19 Soni 9cyc

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	43.51	38	1,570.59	62,184.5	
3	79.45	437	7.04	24.4	
4	113.00	10,380	75.00	10.9	Upper Marker

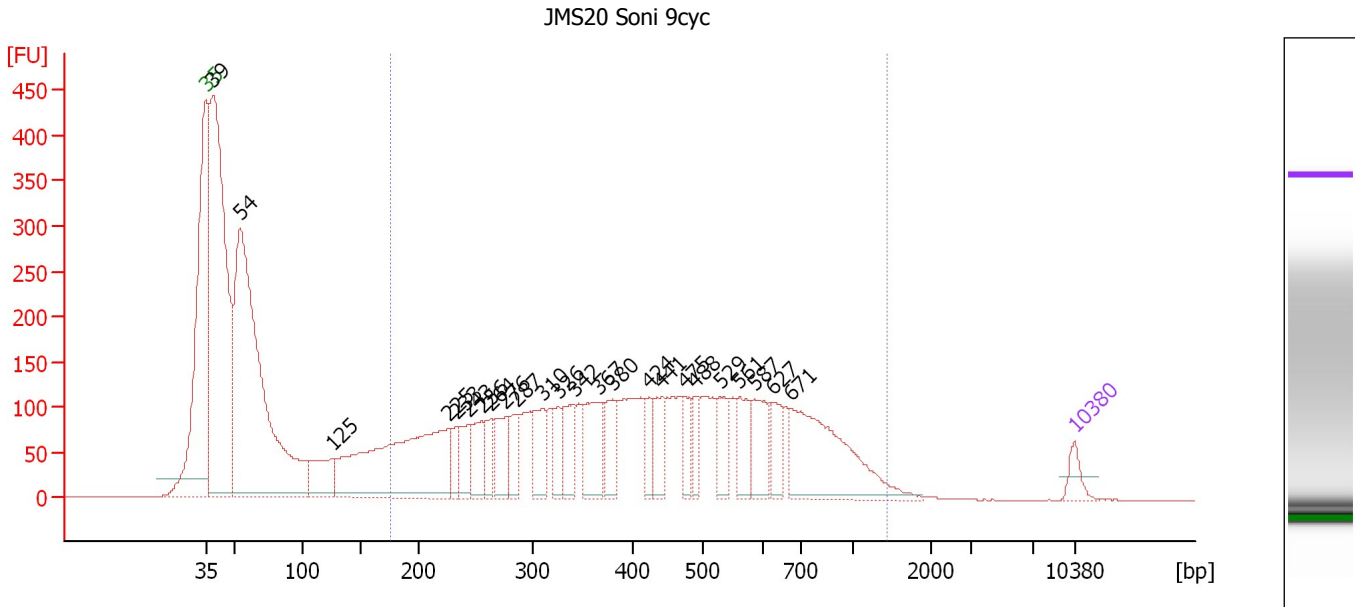
Region table for sample 10 : JMS19 Soni 9cyc

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
200	1,000	419	4,240.1	968.94	490.6	41	38.0

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-04-03\2014-04-03_007.xad

Created: 4/3/2014 3:03:24 PM
 Modified: 4/3/2014 3:51:36 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : JMS20 Soni 9cyc

Number of peaks found: 24 Corr. Area 1: 4,760.1
 Noise: 0.2

Peak table for sample 11 : JMS20 Soni 9cyc

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	43.61	39	3,923.52	152,767.2	
3	45.75	54	4,035.83	113,498.7	
4	53.17	125	374.28	4,544.5	
5	62.49	225	1,822.23	12,251.2	
6	63.19	233	152.13	989.1	
7	64.13	243	246.79	1,537.3	
8	65.25	256	285.58	1,693.5	
9	65.99	264	169.30	972.8	
10	67.16	276	277.92	1,523.2	
11	68.09	287	219.01	1,157.5	
12	70.14	310	280.60	1,369.8	
13	71.40	326	181.50	843.5	
14	72.66	342	273.56	1,213.2	
15	74.71	367	394.16	1,626.6	
16	75.78	380	241.99	963.7	
17	78.72	424	167.24	597.6	
18	79.70	441	220.97	758.8	
19	81.61	475	172.89	551.6	
20	82.36	488	139.85	434.2	
21	84.46	529	202.20	578.7	
22	86.00	561	228.48	616.6	
23	87.21	587	270.48	698.6	
24	88.70	627	180.17	435.5	
25	90.10	671	936.93	2,114.8	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-04-03\2014-04-03_007.xad

Created: 4/3/2014 3:03:24 PM
 Modified: 4/3/2014 3:51:36 PM

Electropherogram Summary Continued ...

... Peak table for sample 11 : JMS20 Soni 9cyc

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

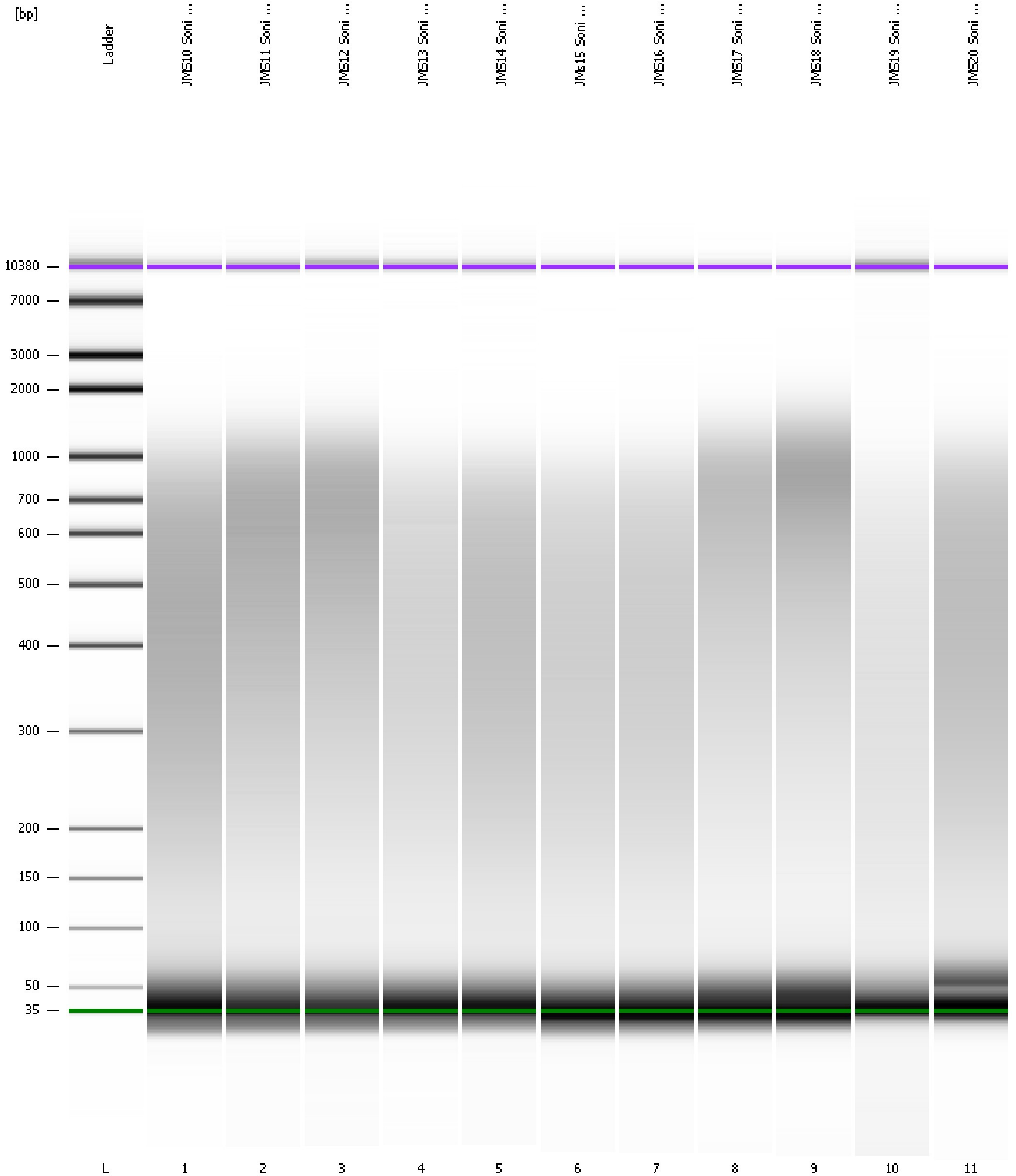
Region table for sample 11 : JMS20 Soni 9cyc

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
175	1,445	461	36,980.3	8,501.12	4,760.1	56	46.9

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2014-04-03\2014-04-03_007.xad

Created: 4/3/2014 3:03:24 PM
Modified: 4/3/2014 3:51:36 PM

Gel Image



Assay Class: High Sensitivity DNA Assay Created: 4/3/2014 3:03:24 PM
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-04-03\2014-04-03_007.xad Modified: 4/3/2014 3:51:36 PM

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		4/3/2014 3:44:46 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2014-04-03\2014-04-03_007.xad)		Instrument	Run		4/3/2014 3:03:30 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		4/3/2014 3:03:30 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		4/3/2014 3:03:30 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		4/3/2014 3:03:30 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		4/3/2014 3:03:30 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		4/3/2014 3:03:30 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		4/3/2014 3:03:30 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1