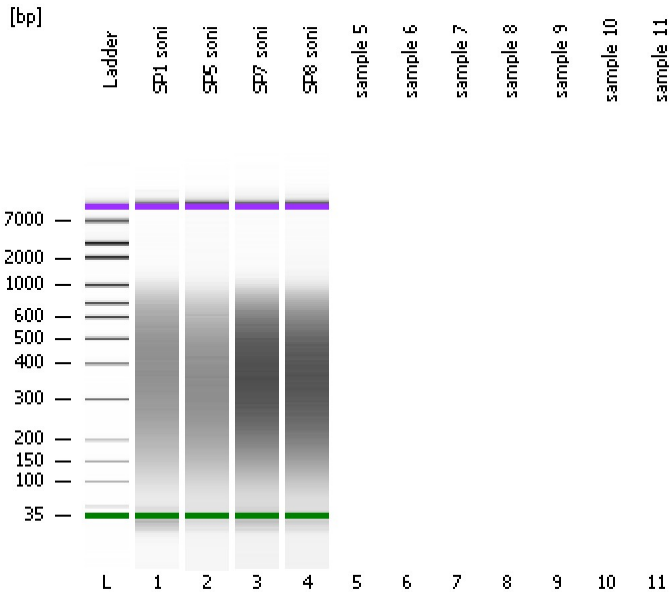


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-12\2014-06-12_001.xad

Created: 6/12/2014 9:08:36 AM
Modified: 6/12/2014 9:33:33 AM

Electrophoresis File Run Summary



Instrument Information:

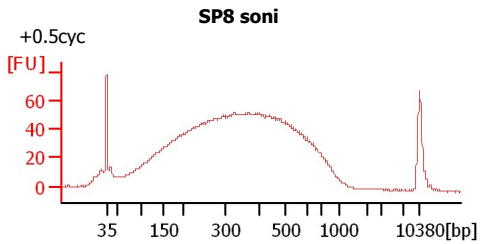
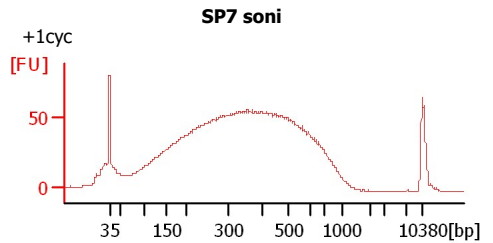
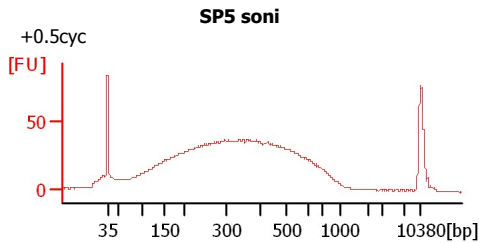
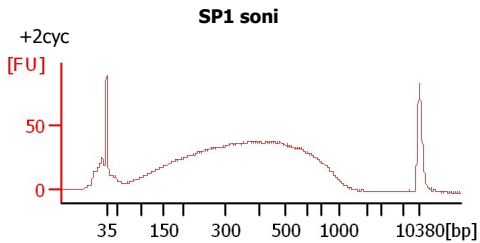
Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

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:\... bioanalyzer\2100 expert\Data\2014-06-12\2014-06-12_001.xad

Created: 6/12/2014 9:08:36 AM
 Modified: 6/12/2014 9:33:33 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
SP1 soni	+2cyc	<input type="checkbox"/>	✓			
SP5 soni	+0.5cyc	<input type="checkbox"/>	✓			
SP7 soni	+1cyc	<input type="checkbox"/>	✓			
SP8 soni	+0.5cyc	<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:\... bioanalyzer\2100 expert\Data\2014-06-12\2014-06-12_001.xad

Created: 6/12/2014 9:08:36 AM
 Modified: 6/12/2014 9:33:33 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

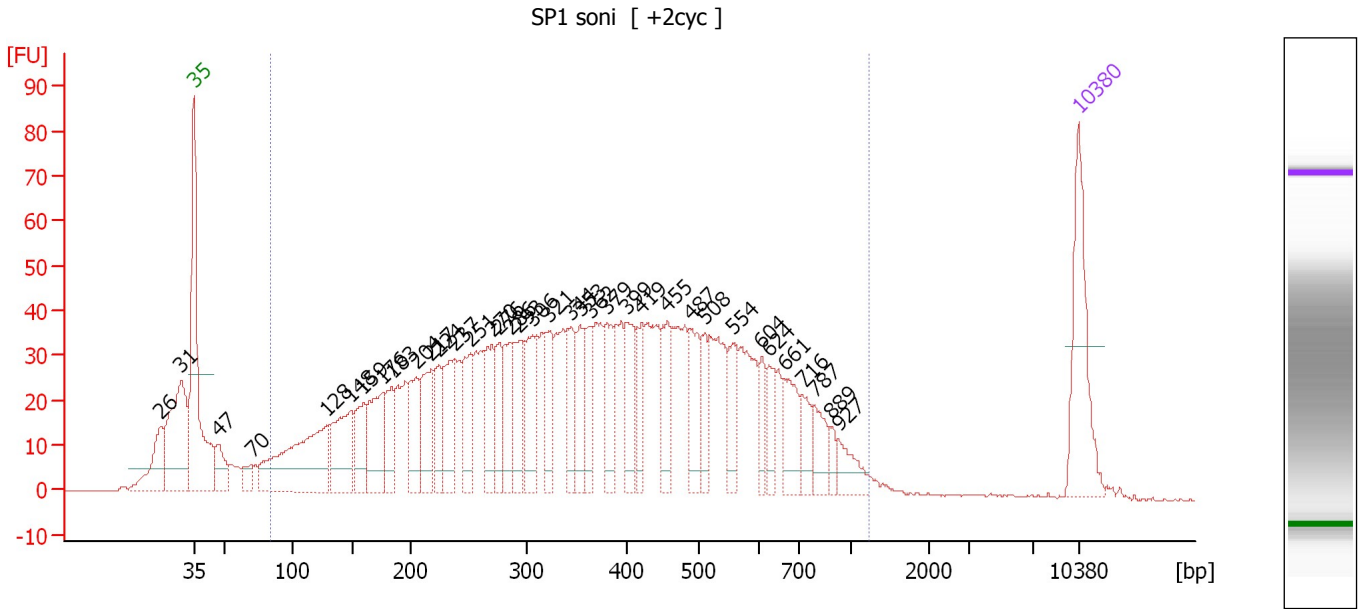
Ladder

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:\... bioanalyzer\2100 expert\Data\2014-06-12\2014-06-12_001.xad

Created: 6/12/2014 9:08:36 AM
 Modified: 6/12/2014 9:33:33 AM

Electropherogram Summary



Overall Results for sample 1 : SP1 soni

Number of peaks found: 37 Corr. Area 1: 1,886.5
 Noise: 0.2

Peak table for sample 1 : SP1 soni

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	26	0.00	0.0	
2	31	0.00	0.0	
3	35	125.00	5,411.3	Lower Marker
4	47	40.08	1,285.5	
5	70	17.96	387.9	
6	128	187.90	2,216.4	
7	148	95.89	979.0	
8	159	54.48	518.7	
9	176	82.33	710.6	
10	183	46.25	381.9	
11	204	56.06	416.1	
12	217	68.61	478.1	
13	224	38.33	259.2	
14	237	68.02	435.0	
15	251	59.71	360.9	
16	270	60.62	340.6	
17	276	39.63	217.7	
18	286	50.87	269.7	
19	293	50.74	262.0	
20	306	62.35	309.2	
21	321	44.29	208.8	
22	344	45.71	201.4	
23	353	50.72	217.6	
24	362	36.05	150.7	
25	379	48.75	194.9	
26	399	52.00	197.4	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-12\2014-06-12_001.xad

Created: 6/12/2014 9:08:36 AM
 Modified: 6/12/2014 9:33:33 AM

Electropherogram Summary Continued ...

... Peak table for sample 1 : SP1 soni

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	419	32.88	118.8	
28	455	44.49	148.0	
29	487	50.80	158.1	
30	508	28.63	85.4	
31	554	34.71	94.9	
32	604	20.95	52.5	
33	624	26.19	63.6	
34	661	40.27	92.3	
35	716	24.17	51.1	
36	787	26.71	51.4	
37	889	10.26	17.5	
38	927	22.43	36.6	
39	▶ 10,380	75.00	10.9	Upper Marker

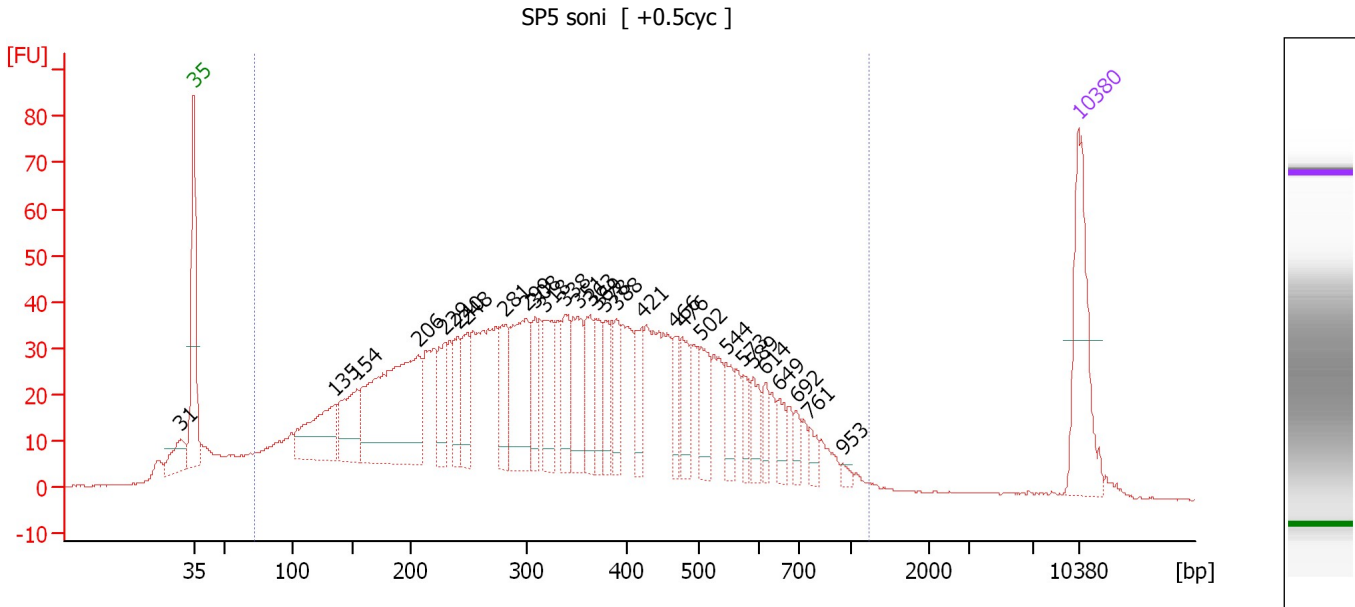
Region table for sample 1 : SP1 soni

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
84	1,240	393	14,114.7	2,448.62	■ 1,886.5	89	48.3

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-12\2014-06-12_001.xad

Created: 6/12/2014 9:08:36 AM
 Modified: 6/12/2014 9:33:33 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 : SP5 soni

Number of peaks found: 29 Corr. Area 1: 1,888.1
 Noise: 0.2

Peak table for sample 2 : SP5 soni

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	31	0.00	0.0	
2	35	125.00	5,411.3	Lower Marker
3	135	97.52	1,096.9	
4	154	72.83	717.6	
5	206	244.58	1,799.5	
6	229	45.01	298.1	
7	240	41.00	258.6	
8	248	44.10	269.1	
9	281	46.83	252.4	
10	299	100.11	507.0	
11	308	43.41	213.3	
12	318	53.16	253.5	
13	338	46.61	209.0	
14	351	57.47	248.4	
15	363	44.23	184.8	
16	369	36.04	148.1	
17	378	37.32	149.6	
18	388	34.20	133.4	
19	421	31.54	113.6	
20	466	25.19	81.9	
21	476	33.76	107.5	
22	502	37.81	114.1	
23	544	27.32	76.1	
24	573	17.49	46.2	
25	589	23.08	59.4	
26	614	15.36	37.9	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-12\2014-06-12_001.xad

Created: 6/12/2014 9:08:36 AM
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Electropherogram Summary Continued ...

... Peak table for sample 2 : SP5 soni

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	649	17.81	41.6	
28	692	10.63	23.3	
29	761	11.48	22.8	
30	953	4.14	6.6	
31	10,380	75.00	10.9	Upper Marker

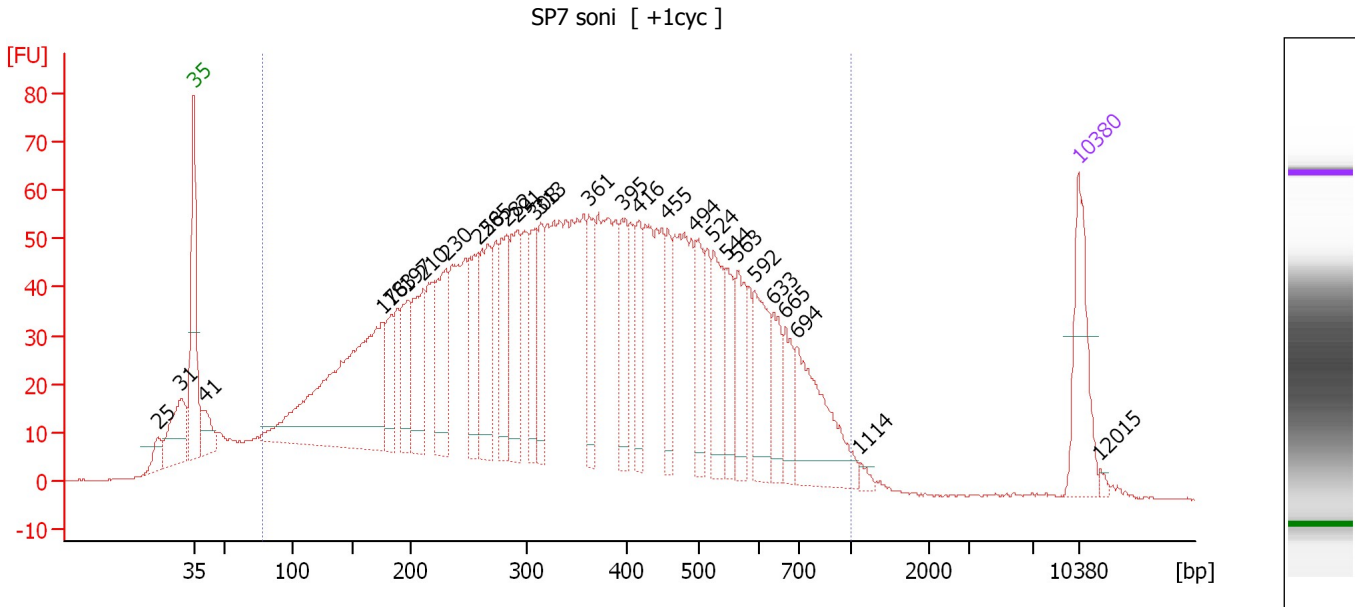
Region table for sample 2 : SP5 soni

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
73	1,221	361	15,498.9	2,448.26	 1,888.1	92	48.5

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-12\2014-06-12_001.xad

Created: 6/12/2014 9:08:36 AM
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Electropherogram Summary Continued ...



Overall Results for sample 3 : SP7 soni

Number of peaks found: 28 Corr. Area 1: 2,737.0
 Noise: 0.1

Peak table for sample 3 : SP7 soni

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	25	0.00	0.0	
2	31	0.00	0.0	
3	35	125.00	5,411.3	Lower Marker
4	41	46.49	1,732.7	
5	176	448.19	3,856.9	
6	183	61.25	507.9	
7	197	77.57	598.1	
8	210	109.98	791.9	
9	230	114.39	754.5	
10	258	89.30	525.1	
11	265	121.44	693.3	
12	282	97.67	524.3	
13	291	112.94	587.2	
14	308	70.87	348.8	
15	313	65.96	318.8	
16	361	76.14	319.3	
17	395	74.96	287.8	
18	416	64.02	233.3	
19	455	52.28	174.0	
20	494	68.10	208.8	
21	524	80.92	234.2	
22	544	49.92	139.1	
23	563	61.62	165.7	
24	592	80.63	206.4	
25	633	47.45	113.6	
26	665	40.80	92.9	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-12\2014-06-12_001.xad

Created: 6/12/2014 9:08:36 AM
Modified: 6/12/2014 9:33:33 AM

Electropherogram Summary Continued ...**... Peak table for sample 3 : SP7 soni**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	694	131.36	286.9	
28	1,114	6.25	8.5	
29	10,380	75.00	10.9	Upper Marker
30	12,015	0.00	0.0	

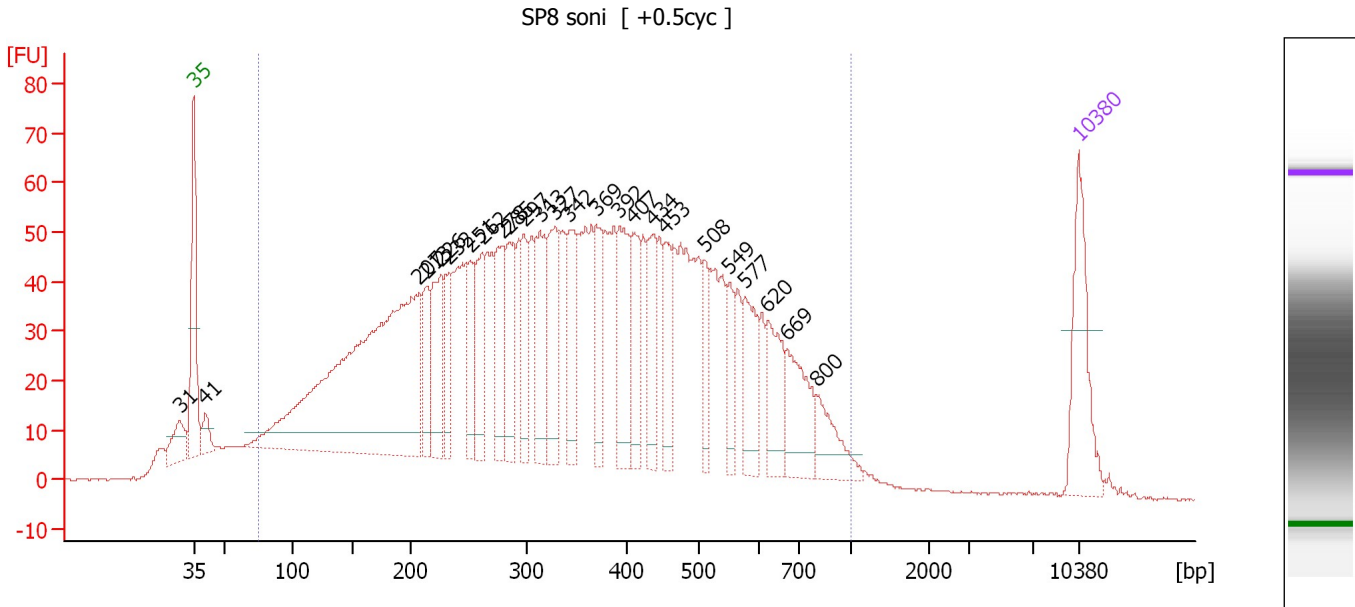
Region table for sample 3 : SP7 soni

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. for Area	% of Total	Size distribution in CV [%]
78	1,000	373	26,175.7	4,364.43	2,737.0	92	46.1

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-12\2014-06-12_001.xad

Created: 6/12/2014 9:08:36 AM
 Modified: 6/12/2014 9:33:33 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : SP8 soni

Number of peaks found: 25 Corr. Area 1: 2,578.0
 Noise: 0.2

Peak table for sample 4 : SP8 soni

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	31	0.00	0.0	
2	35	125.00	5,411.3	Lower Marker
3	41	26.98	1,003.5	
4	207	656.95	4,808.9	
5	213	59.34	421.4	
6	226	94.95	637.8	
7	232	57.41	374.2	
8	251	63.06	379.9	
9	262	76.32	441.7	
10	278	81.92	445.8	
11	285	77.61	412.9	
12	297	59.42	302.7	
13	313	93.51	452.9	
14	327	92.60	429.1	
15	342	77.00	341.5	
16	369	57.38	235.8	
17	392	92.61	358.1	
18	407	63.31	235.4	
19	434	61.59	214.9	
20	453	52.19	174.5	
21	508	39.69	118.4	
22	549	33.35	92.0	
23	577	64.52	169.5	
24	620	61.83	151.1	
25	669	73.21	165.8	
26	800	45.13	85.5	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-12\2014-06-12_001.xad

Created: 6/12/2014 9:08:36 AM
Modified: 6/12/2014 9:33:33 AM

Electropherogram Summary Continued ...**... Peak table for sample 4 : SP8 soni**

Peak	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations
27	10,380	75.00	10.9	Upper Marker

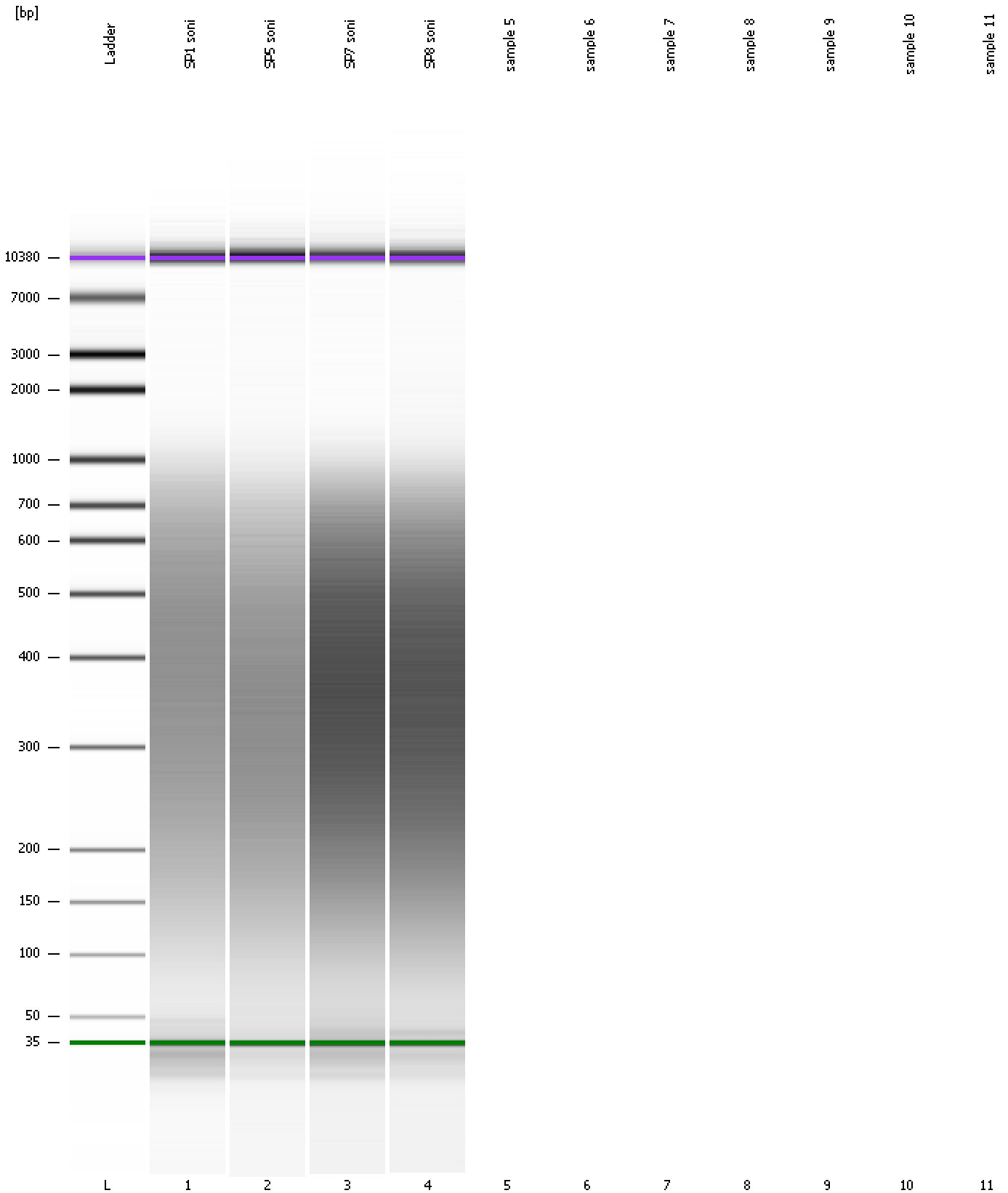
Region table for sample 4 : SP8 soni

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/ μ l]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
75	1,000	367	23,422.4	3,833.04	2,578.0	93	46.3

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-12\2014-06-12_001.xad

Created: 6/12/2014 9:08:36 AM
Modified: 6/12/2014 9:33:33 AM

Gel Image



Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-12\2014-06-12_001.xad

Created: 6/12/2014 9:08:36 AM
Modified: 6/12/2014 9:33:33 AM

Invalid Samples

Sample 5 has not been run, no results available.

Sample 6 has not been run, no results available.

Sample 7 has not been run, no results available.

Sample 8 has not been run, no results available.

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.