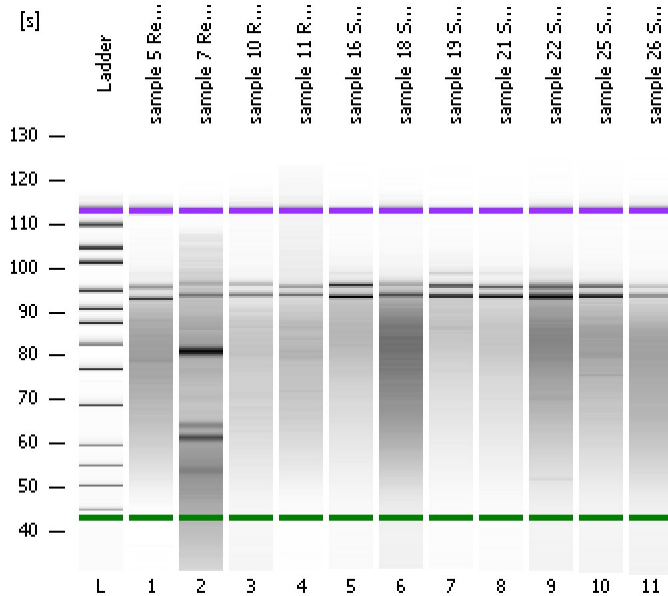


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-04-08\2013-04-08\_001.xad

Created: 4/8/2013 10:36:24 AM  
Modified: 4/8/2013 11:29:28 AM

Electrophoresis File Run Summary



Instrument Information:

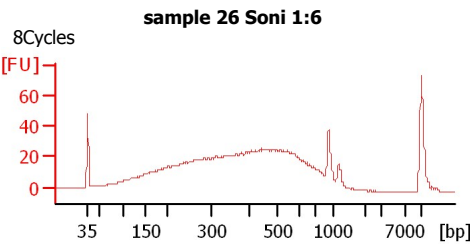
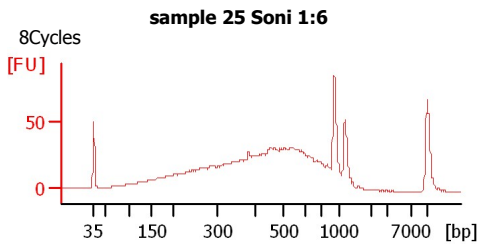
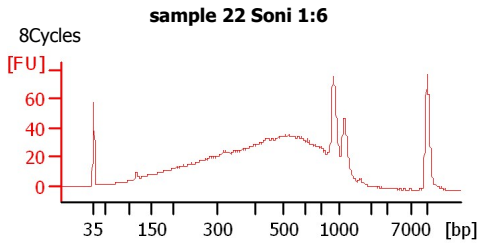
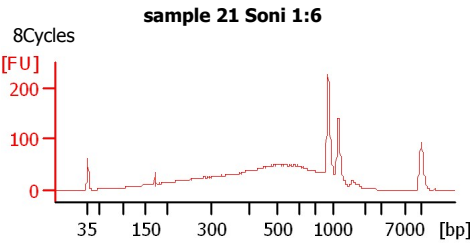
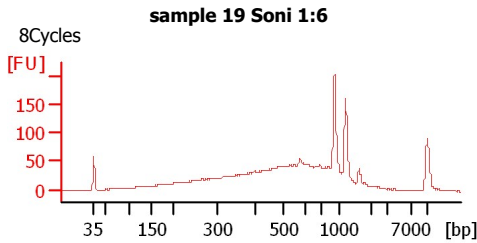
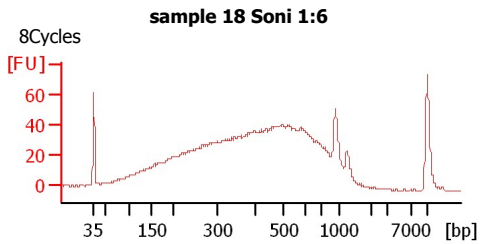
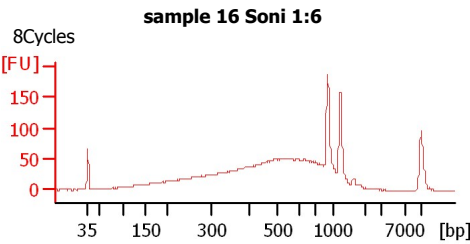
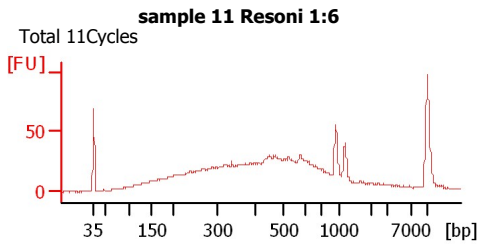
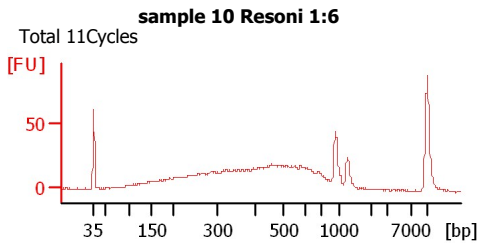
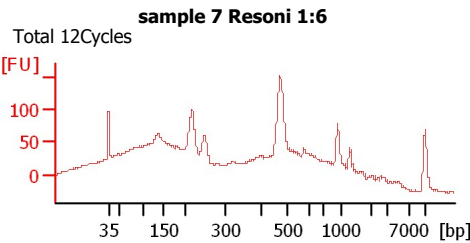
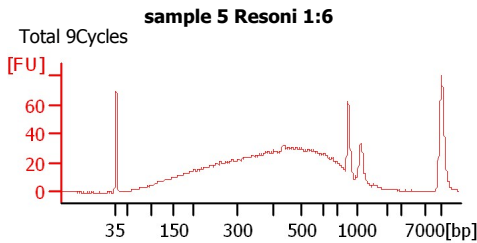
Instrument Name: DE13701086      Firmware: C.01.069  
Serial#: DE13701086      Type: G2938B

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\2013-04-08\2013-04-08\_001.xad

Created: 4/8/2013 10:36:24 AM  
Modified: 4/8/2013 11:29:28 AM

**Electrophoresis File Run Summary (Chip Summary)**

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
sample 5 Resoni 1:6	Total 9Cycles	<input type="checkbox"/>	✓			
sample 7 Resoni 1:6	Total 12Cycles	<input type="checkbox"/>	✓			
sample 10 Resoni 1:6	Total 11Cycles	<input type="checkbox"/>	✓			
sample 11 Resoni 1:6	Total 11Cycles	<input type="checkbox"/>	✓			
sample 16 Soni 1:6	8Cycles	<input type="checkbox"/>	✓			
sample 18 Soni 1:6	8Cycles	<input type="checkbox"/>	✓			
sample 19 Soni 1:6	8Cycles	<input type="checkbox"/>	✓			
sample 21 Soni 1:6	8Cycles	<input type="checkbox"/>	✓			
sample 22 Soni 1:6	8Cycles	<input type="checkbox"/>	✓			
sample 25 Soni 1:6	8Cycles	<input type="checkbox"/>	✓			
sample 26 Soni 1:6	8Cycles	<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\2013-04-08\2013-04-08\_001.xad

Created: 4/8/2013 10:36:24 AM  
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**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

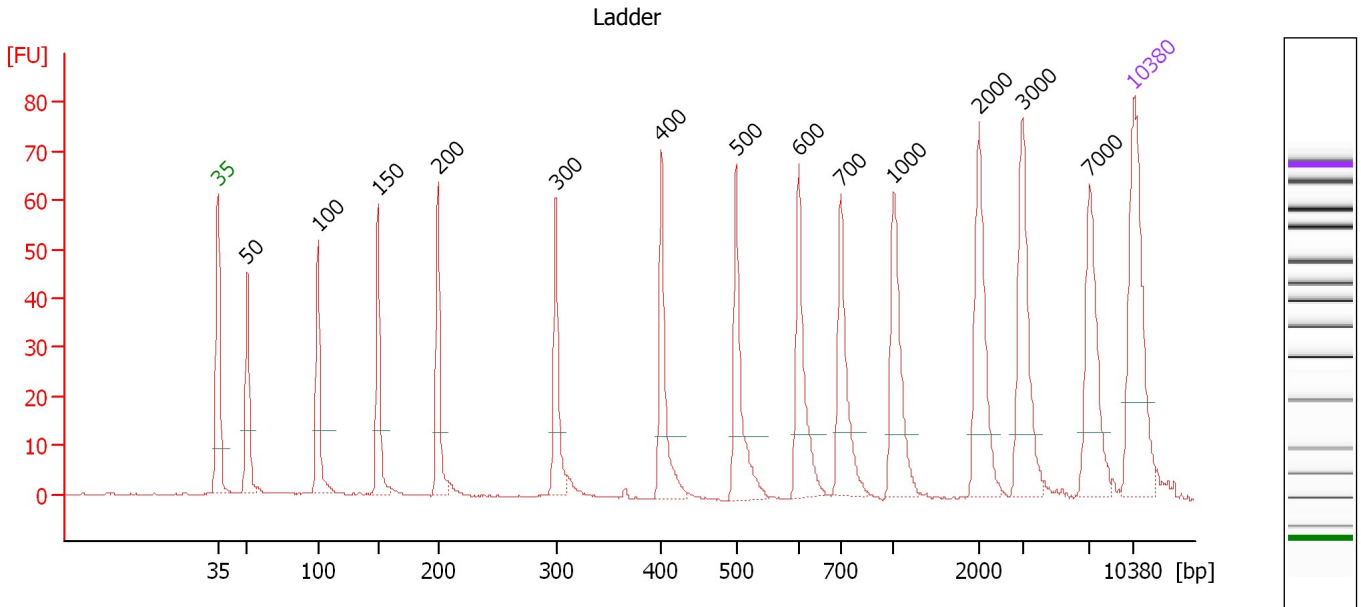
**Ladder**

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\2013-04-08\2013-04-08\_001.xad

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**Electropherogram Summary**



**Overall Results for Ladder**

Noise: 0.1

**Peak table for Ladder**

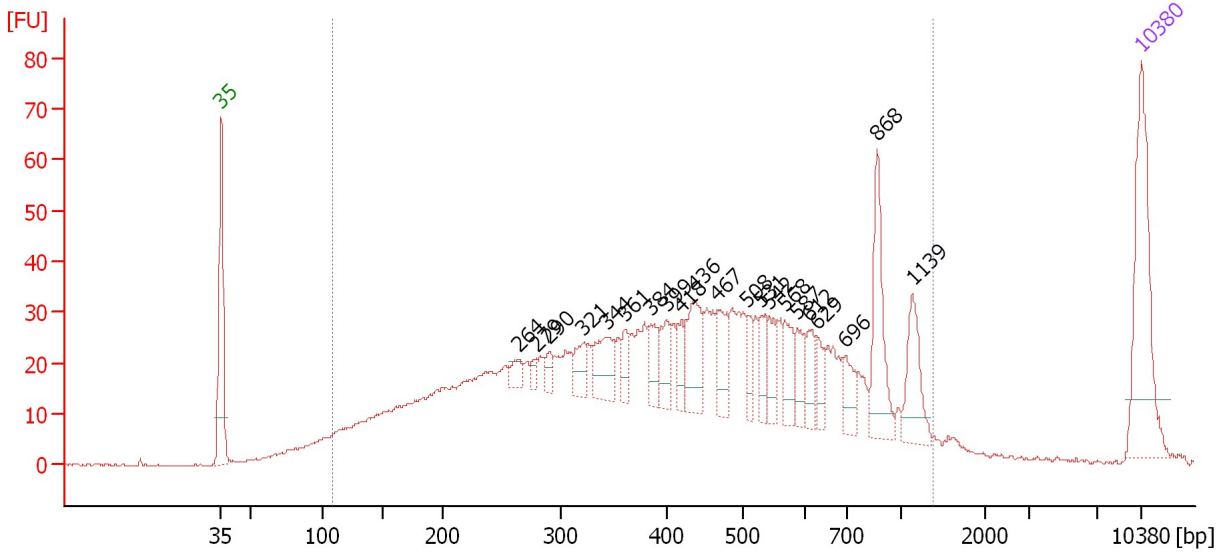
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	50	150.00	4,545.5	Ladder Peak
3	100	150.00	2,272.7	Ladder Peak
4	150	150.00	1,515.2	Ladder Peak
5	200	150.00	1,136.4	Ladder Peak
6	300	150.00	757.6	Ladder Peak
7	400	150.00	568.2	Ladder Peak
8	500	150.00	454.5	Ladder Peak
9	600	150.00	378.8	Ladder Peak
10	700	150.00	324.7	Ladder Peak
11	1,000	150.00	227.3	Ladder Peak
12	2,000	150.00	113.6	Ladder Peak
13	3,000	150.00	75.8	Ladder Peak
14	7,000	150.00	32.5	Ladder Peak
15	10,380	75.00	10.9	Upper Marker

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-04-08\2013-04-08\_001.xad

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**Electropherogram Summary Continued ...**

sample 5 Resoni 1:6 [ Total 9Cycles ]



**Overall Results for sample 1 : sample 5 Resoni 1:6**

Number of peaks found: 21                      Corr. Area 1: 1,371.8  
 Noise: 0.2

**Peak table for sample 1 : sample 5 Resoni 1:6**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	264	11.44	65.7	
3	279	6.64	36.1	
4	290	10.70	55.8	
5	321	19.40	91.4	
6	344	36.06	158.8	
7	361	14.93	62.7	
8	384	20.72	81.7	
9	399	24.03	91.3	
10	418	16.66	60.4	
11	436	45.64	158.6	
12	467	30.86	100.1	
13	508	16.01	47.7	
14	531	20.53	58.6	
15	542	19.77	55.2	
16	568	23.79	63.5	
17	587	18.14	46.8	
18	612	20.83	51.6	
19	629	12.75	30.7	
20	696	19.00	41.4	
21	868	56.14	98.0	
22	1,139	35.47	47.2	
23	10,380	75.00	10.9	Upper Marker

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-04-08\2013-04-08\_001.xad

Created: 4/8/2013 10:36:24 AM  
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**Electropherogram Summary Continued ...**

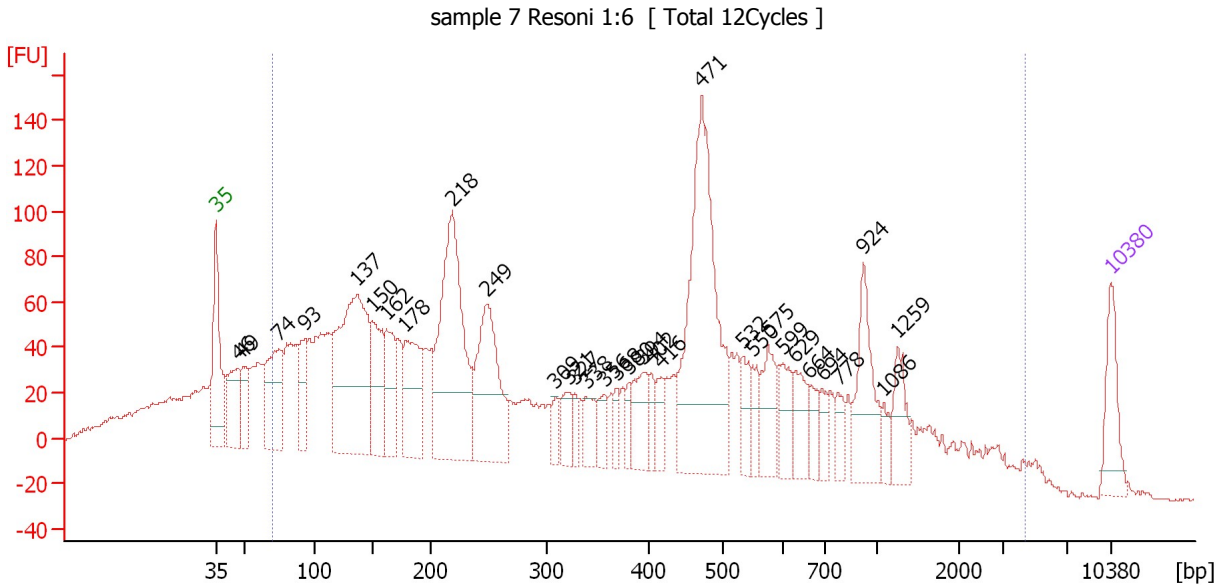
... Region table for sample 1 : sample 5 Resoni 1:6

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
108	1,385	469	8,394.0	1,724.16	1,371.8	95	52.2	■

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-04-08\2013-04-08\_001.xad

Created: 4/8/2013 10:36:24 AM  
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**Electropherogram Summary Continued ...**



**Setpoint Deviations for sample 2 : sample 7 Resoni 1:6**

Height Threshold [FU] : 30

**Overall Results for sample 2 : sample 7 Resoni 1:6**

Number of peaks found: 32                      Corr. Area 1: 3,924.3  
 Noise: 0.8

**Peak table for sample 2 : sample 7 Resoni 1:6**


Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	46	147.34	4,806.2	
3	49	100.52	3,110.5	
4	74	250.29	5,100.1	
5	93	124.33	2,029.1	
6	137	633.98	7,024.8	
7	150	182.61	1,850.3	
8	162	159.96	1,492.9	
9	178	225.75	1,922.9	
10	218	577.89	4,011.6	
11	249	325.66	1,984.0	
12	309	36.84	180.8	
13	321	59.86	282.5	
14	327	32.76	151.7	
15	338	62.20	278.7	
16	356	45.44	193.5	
17	368	33.01	135.8	
18	380	35.01	139.6	
19	394	88.70	341.1	
20	402	37.29	140.6	
21	416	44.34	161.7	
22	471	602.49	1,937.2	

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-04-08\2013-04-08\_001.xad

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**Electropherogram Summary Continued ...**

**... Peak table for sample 2 : sample 7 Resoni 1:6**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
23	532	63.85	181.8	
24	550	41.78	115.0	
25	575	89.61	236.2	
26	599	66.63	168.7	
27	629	73.38	176.8	
28	664	41.89	95.6	
29	694	40.60	88.7	
30	778	35.15	68.4	
31	924	149.25	244.7	
32	1,086	26.02	36.3	
33	1,259	70.02	84.2	
34	 10,380	75.00	10.9	Upper Marker

**Region table for sample 2 : sample 7 Resoni 1:6**

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
70	4,422	517	39,800.8	5,358.73	3,924.3	85	100.0	

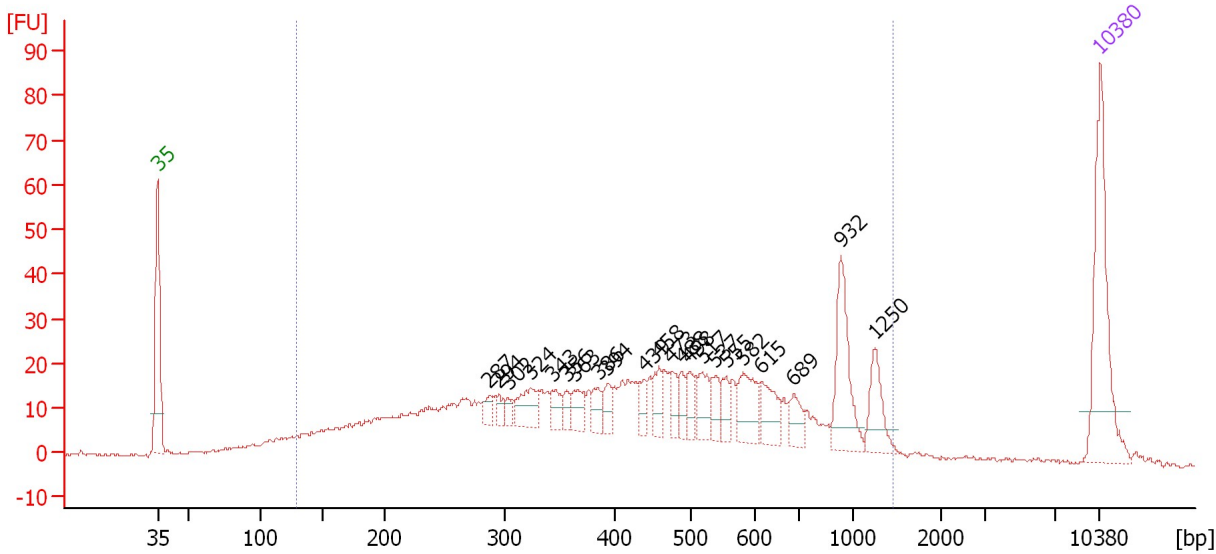


Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-04-08\2013-04-08\_001.xad

Created: 4/8/2013 10:36:24 AM  
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**Electropherogram Summary Continued ...**

sample 10 Resoni 1:6 [ Total 11Cycles ]



**Overall Results for sample 3 : sample 10 Resoni 1:6**

Number of peaks found: 22                      Corr. Area 1: 841.0  
 Noise: 0.4

**Peak table for sample 3 : sample 10 Resoni 1:6**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	287	9.62	50.9	
3	294	7.36	37.9	
4	302	7.36	36.9	
5	324	26.97	126.3	
6	343	13.32	58.8	
7	356	9.28	39.5	
8	363	16.26	67.8	
9	386	12.49	49.1	
10	394	12.65	48.6	
11	439	10.96	37.8	
12	458	17.56	58.0	
13	473	13.46	43.1	
14	488	12.37	38.4	
15	498	14.19	43.2	
16	517	21.17	62.1	
17	537	13.95	39.3	
18	555	12.61	34.4	
19	582	32.34	84.2	
20	615	25.43	62.6	
21	689	16.67	36.7	
22	932	53.55	87.1	
23	1,250	26.72	32.4	
24	10,380	75.00	10.9	Upper Marker

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-04-08\2013-04-08\_001.xad

Created: 4/8/2013 10:36:24 AM  
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**Electropherogram Summary Continued ...**

... Region table for sample 3 : sample 10 Resoni 1:6

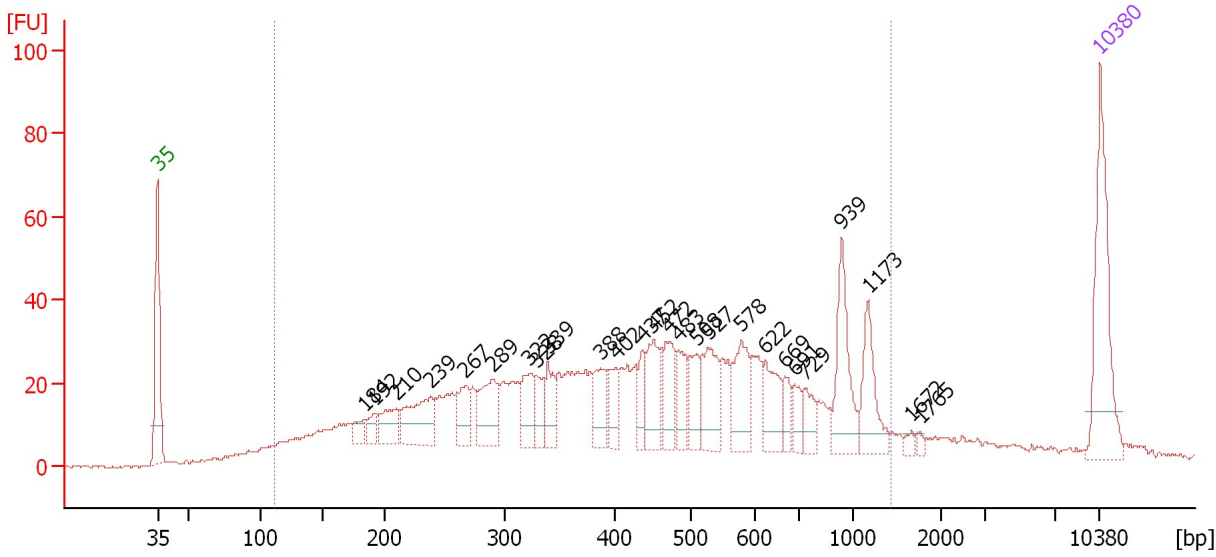
From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
130	1,454	505	4,783.2	1,065.97	841.0	94	54.1	■

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-04-08\2013-04-08\_001.xad

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**Electropherogram Summary Continued ...**

sample 11 Resoni 1:6 [ Total 11Cycles ]



**Overall Results for sample 4 : sample 11 Resoni 1:6**

Number of peaks found: 26                      Corr. Area 1: 1,183.7  
 Noise: 0.4

**Peak table for sample 4 : sample 11 Resoni 1:6**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	184	14.52	119.5	
3	192	12.55	98.9	
4	210	31.78	228.8	
5	239	58.78	373.2	
6	267	28.85	163.8	
7	289	49.87	261.4	
8	322	34.08	160.4	
9	328	20.84	96.3	
10	339	28.44	127.0	
11	388	29.85	116.7	
12	402	22.74	85.6	
13	437	21.23	73.6	
14	452	44.94	150.8	
15	472	38.16	122.5	
16	483	27.61	86.7	
17	508	27.45	82.0	
18	527	47.58	136.9	
19	578	43.62	114.3	
20	622	36.42	88.7	
21	669	15.47	35.0	
22	691	14.94	32.8	
23	729	17.81	37.0	
24	939	56.30	90.9	
25	1,173	40.52	52.3	
26	1,672	3.83	3.5	

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-04-08\2013-04-08\_001.xad


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 Modified: 4/8/2013 11:29:28 AM

### Electropherogram Summary Continued ...

#### ... Peak table for sample 4 : sample 11 Resoni 1:6

Peak	Size [bp]	Conc. [pg/ $\mu$ l]	Molarity [pmol/l]	Observations
27	1,765	3.37	2.9	
28	10,380	75.00	10.9	Upper Marker

#### Region table for sample 4 : sample 11 Resoni 1:6

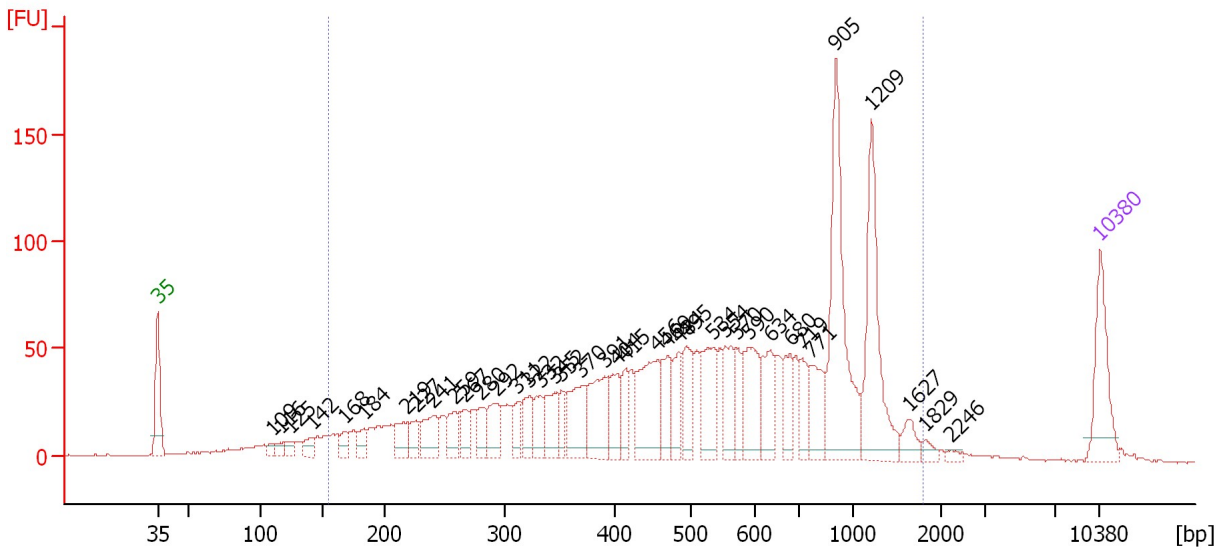
From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/ $\mu$ l]	Corr. Area	% of Total	Size distribution in CV [%]	Color
110	1,434	488	6,947.4	1,475.40	1,183.7	92	53.7	

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-04-08\2013-04-08\_001.xad

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**Electropherogram Summary Continued ...**

sample 16 Soni 1:6 [ 8Cycles ]



**Overall Results for sample 5 : sample 16 Soni 1:6**

Number of peaks found: 39                      Corr. Area 1: 2,093.7  
 Noise: 0.5

**Peak table for sample 5 : sample 16 Soni 1:6**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	109	11.19	155.4	
3	116	12.76	166.3	
4	125	15.86	192.3	
5	142	21.35	228.1	
6	168	20.97	188.8	
7	184	23.88	196.9	
8	219	40.56	280.5	
9	227	31.50	210.4	
10	241	55.47	348.8	
11	259	43.35	253.7	
12	267	35.12	199.1	
13	280	33.55	181.6	
14	292	51.87	269.2	
15	311	34.69	169.2	
16	322	43.48	204.5	
17	332	41.26	188.4	
18	345	55.13	242.1	
19	352	30.77	132.6	
20	370	78.80	322.7	
21	391	98.58	381.7	
22	404	50.54	189.6	
23	415	35.62	130.1	
24	456	117.03	389.2	
25	469	57.53	185.7	
26	484	52.55	164.5	

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-04-08\2013-04-08\_001.xad


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**Electropherogram Summary Continued ...**

**... Peak table for sample 5 : sample 16 Soni 1:6**

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
27	495	61.73	189.0	
28	534	89.13	252.7	
29	554	57.47	157.2	
30	570	37.68	100.1	
31	590	86.64	222.6	
32	634	67.09	160.3	
33	680	47.21	105.1	
34	719	44.53	93.9	
35	771	58.41	114.8	
36	905	227.59	381.0	
37	1,209	163.36	204.7	
38	1,627	21.52	20.0	
39	1,829	8.64	7.2	
40	2,246	5.16	3.5	
41	10,380	75.00	10.9	Upper Marker

**Region table for sample 5 : sample 16 Soni 1:6**

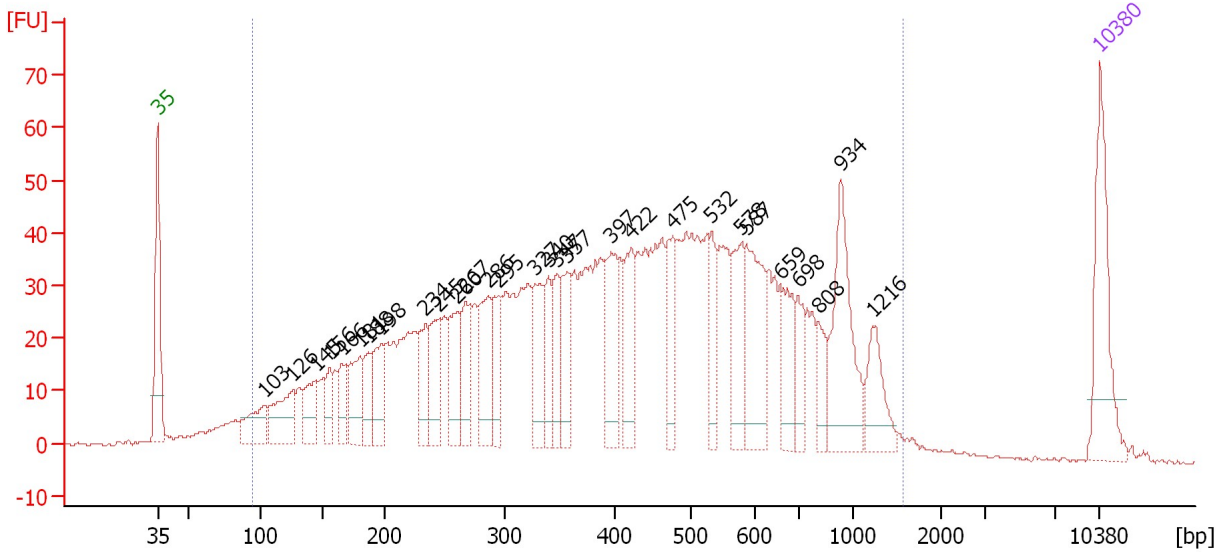
From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/µl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
156	1,801	616	8,762.9	2,374.30	2,093.7	93	53.3	

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-04-08\2013-04-08\_001.xad

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**Electropherogram Summary Continued ...**

sample 18 Soni 1:6 [ 8Cycles ]



**Overall Results for sample 6 : sample 18 Soni 1:6**

Number of peaks found: 29                      Corr. Area 1: 1,849.3  
 Noise: 0.4

**Peak table for sample 6 : sample 18 Soni 1:6**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	103	49.82	733.1	
3	126	67.97	815.7	
4	145	46.39	485.7	
5	156	29.02	281.2	
6	166	30.66	279.7	
7	181	54.48	457.0	
8	188	35.19	283.7	
9	198	49.68	379.9	
10	234	42.77	276.6	
11	245	56.21	348.1	
12	260	62.99	367.3	
13	267	47.12	267.2	
14	286	71.82	380.8	
15	295	47.01	241.8	
16	327	59.39	274.8	
17	340	40.41	180.3	
18	347	40.84	178.5	
19	357	52.89	224.4	
20	397	69.31	264.8	
21	422	58.98	211.6	
22	475	51.31	163.6	
23	532	38.98	111.1	
24	578	59.08	154.8	
25	587	88.51	228.6	
26	659	51.22	117.8	

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-04-08\2013-04-08\_001.xad


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### Electropherogram Summary Continued ...

#### ... Peak table for sample 6 : sample 18 Soni 1:6

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
27	698	32.40	70.3	
28	808	23.80	44.6	
29	934	103.84	168.5	
30	1,216	42.56	53.0	
31	10,380	75.00	10.9	Upper Marker

#### Region table for sample 6 : sample 18 Soni 1:6

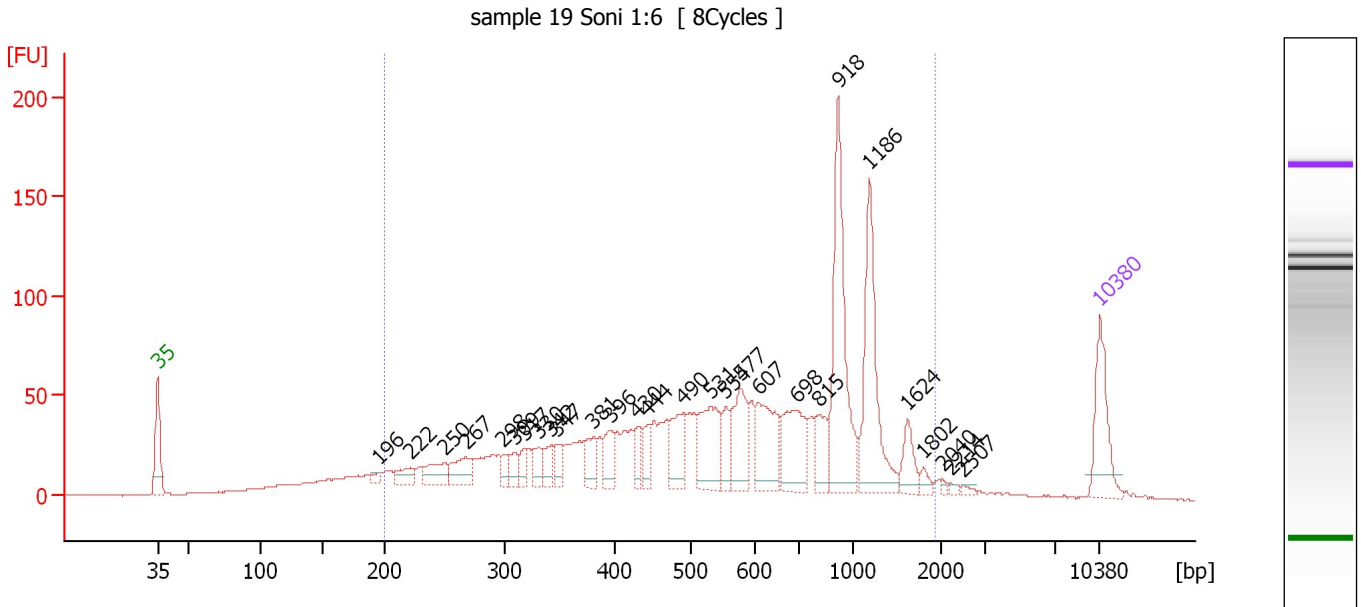
From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/µl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
94	1,562	469	14,076.4	2,815.63	1,849.3	96	53.8	



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-04-08\2013-04-08\_001.xad

Created: 4/8/2013 10:36:24 AM  
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**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : sample 19 Soni 1:6**

Number of peaks found: 28                      Corr. Area 1: 1,816.6  
 Noise: 0.3

**Peak table for sample 7 : sample 19 Soni 1:6**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	196	9.95	77.0	
3	222	26.72	182.4	
4	250	45.49	276.2	
5	267	50.37	285.5	
6	298	24.11	122.4	
7	309	23.07	113.2	
8	317	21.42	102.4	
9	330	25.94	119.0	
10	342	31.31	138.6	
11	347	25.42	110.9	
12	381	40.91	162.7	
13	396	38.41	147.0	
14	430	29.30	103.2	
15	444	30.15	103.0	
16	490	67.79	209.4	
17	531	107.37	306.5	
18	554	36.83	100.7	
19	577	88.86	233.2	
20	607	100.12	250.0	
21	698	108.15	234.7	
22	815	49.64	92.3	
23	918	227.73	376.0	
24	1,186	174.23	222.6	
25	1,624	34.49	32.2	
26	1,802	10.19	8.6	

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-04-08\2013-04-08\_001.xad


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**Electropherogram Summary Continued ...**

**... Peak table for sample 7 : sample 19 Soni 1:6**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	2,040	3.77	2.8	
28	2,214	4.22	2.9	
29	2,507	4.35	2.6	
30	10,380	75.00	10.9	Upper Marker

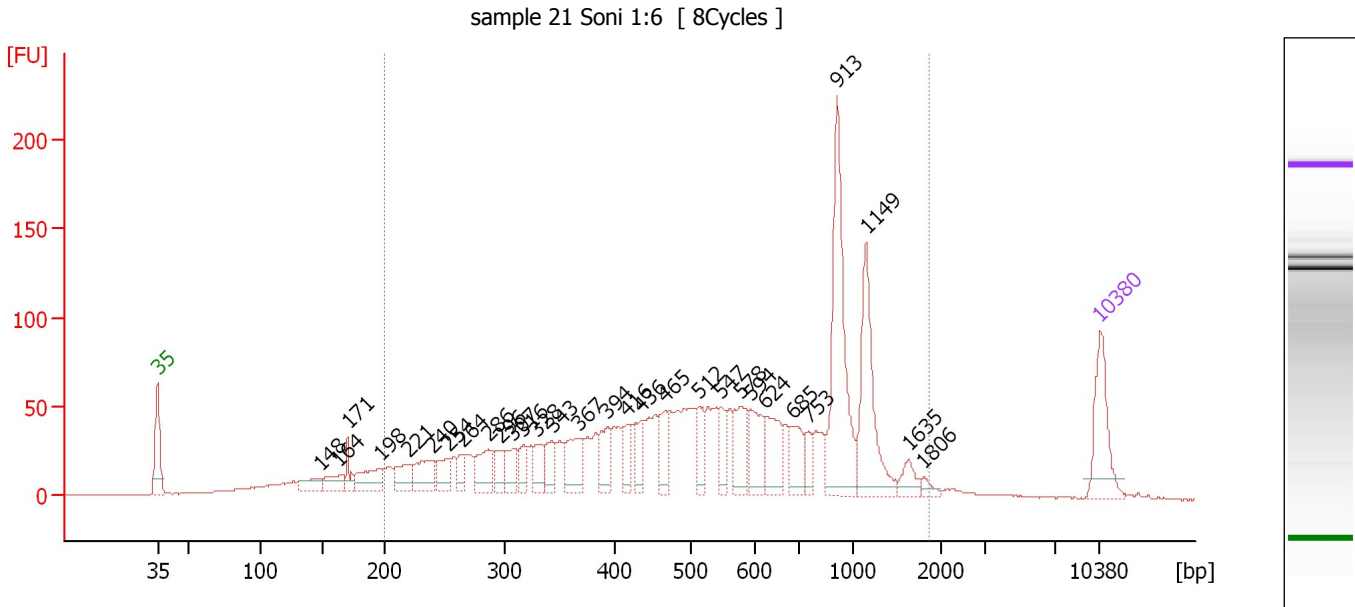
**Region table for sample 7 : sample 19 Soni 1:6**

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
200	1,937	670	7,342.1	2,232.62	1,816.6	89	53.2	

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-04-08\2013-04-08\_001.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : sample 21 Soni 1:6**

Number of peaks found: 30                      Corr. Area 1: 1,994.0  
 Noise: 0.3

**Peak table for sample 8 : sample 21 Soni 1:6**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	148	31.64	323.6	
3	164	34.70	321.0	
4	171	28.30	251.2	
5	198	59.24	453.2	
6	221	45.06	308.6	
7	240	59.43	375.2	
8	254	38.16	227.8	
9	264	27.11	155.5	
10	286	59.51	315.4	
11	296	30.15	154.2	
12	307	40.40	199.1	
13	316	31.75	152.1	
14	328	38.78	178.9	
15	343	41.44	183.2	
16	367	70.91	293.0	
17	394	48.92	188.3	
18	416	41.20	150.0	
19	436	37.18	129.3	
20	465	47.39	154.3	
21	512	44.85	132.7	
22	547	36.96	102.4	
23	578	67.78	177.8	
24	594	67.91	173.4	
25	624	69.05	167.7	
26	685	51.48	113.9	

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-04-08\2013-04-08\_001.xad


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**Electropherogram Summary Continued ...**

**... Peak table for sample 8 : sample 21 Soni 1:6**

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
27	753	24.22	48.7	
28	913	235.94	391.7	
29	1,149	148.08	195.3	
30	1,635	21.63	20.0	
31	1,806	9.10	7.6	
32	10,380	75.00	10.9	Upper Marker

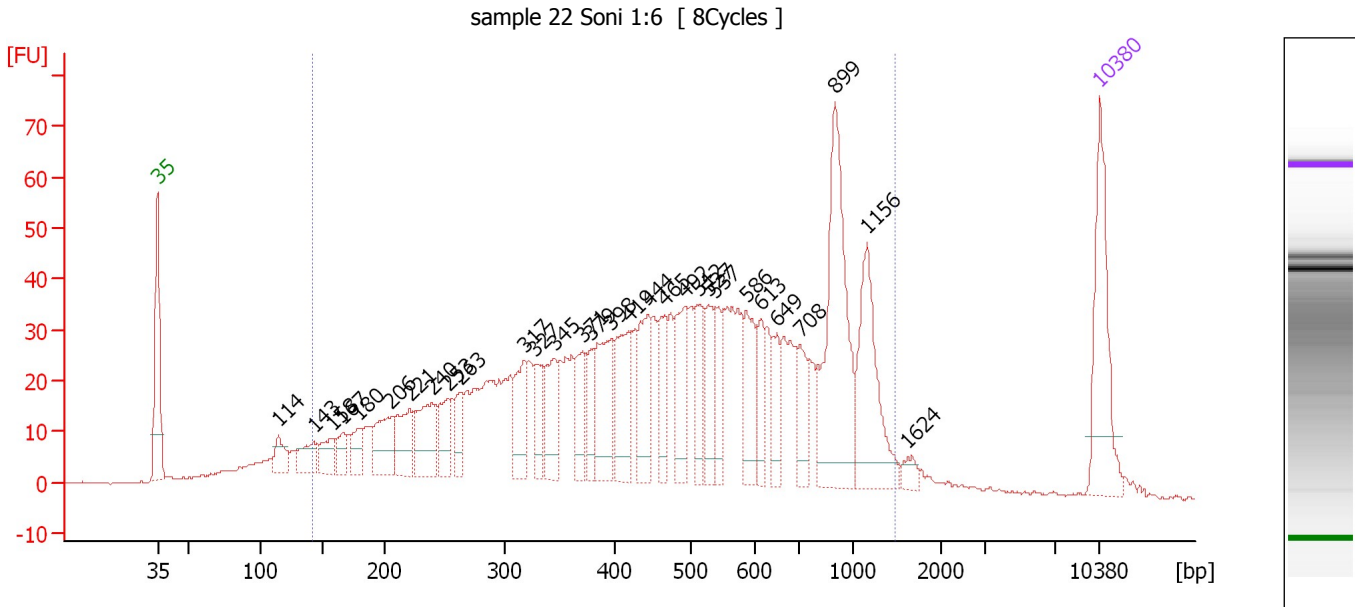
**Region table for sample 8 : sample 21 Soni 1:6**

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/µl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
200	1,875	624	7,665.7	2,222.62	1,994.0	88	52.0	

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-04-08\2013-04-08\_001.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 9 : sample 22 Soni 1:6**

Number of peaks found: 30                      Corr. Area 1: 1,474.2  
 Noise: 0.2

**Peak table for sample 9 : sample 22 Soni 1:6**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	114	25.10	332.4	
3	143	30.10	319.1	
4	158	26.41	253.8	
5	167	16.39	148.7	
6	180	22.96	193.5	
7	206	52.52	385.5	
8	221	47.41	324.6	
9	240	62.35	394.2	
10	253	38.99	233.4	
11	263	26.69	153.8	
12	317	48.99	234.3	
13	327	31.53	145.9	
14	345	44.27	194.3	
15	371	38.21	156.1	
16	379	29.52	118.1	
17	398	71.45	272.3	
18	419	67.25	243.0	
19	444	59.71	203.9	
20	465	39.21	127.8	
21	492	58.48	180.2	
22	512	37.61	111.4	
23	527	39.23	112.8	
24	537	33.18	93.6	
25	586	49.29	127.4	
26	613	27.84	68.8	

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-04-08\2013-04-08\_001.xad


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### Electropherogram Summary Continued ...

#### ... Peak table for sample 9 : sample 22 Soni 1:6

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	649	29.48	68.8	
28	708	32.18	68.8	
29	899	160.56	270.8	
30	1,156	92.54	121.3	
31	1,624	8.40	7.8	
32	10,380	75.00	10.9	Upper Marker

#### Region table for sample 9 : sample 22 Soni 1:6

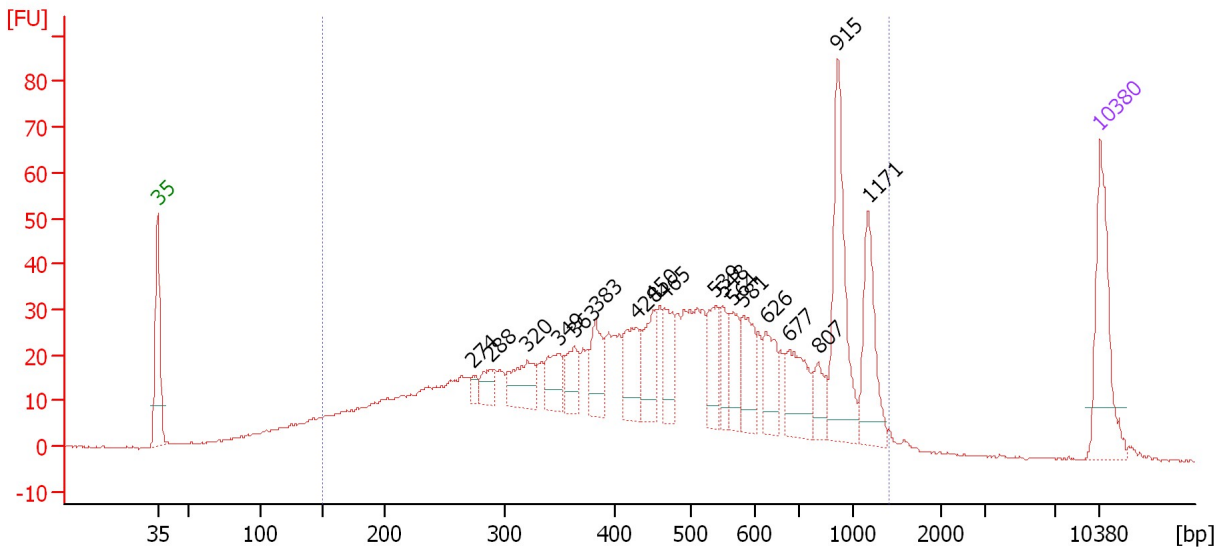
From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
143	1,474	535	8,759.6	2,120.56	1,474.2	92	51.0	

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-04-08\2013-04-08\_001.xad

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**Electropherogram Summary Continued ...**

sample 25 Soni 1:6 [ 8Cycles ]



**Overall Results for sample 10 : sample 25 Soni 1:6**

Number of peaks found: 18                      Corr. Area 1: 1,214.7  
 Noise: 0.2

**Peak table for sample 10 : sample 25 Soni 1:6**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	274	9.57	53.0	
3	288	21.62	113.9	
4	320	48.01	227.4	
5	349	36.74	159.5	
6	363	33.47	139.7	
7	383	42.20	166.9	
8	428	50.49	178.6	
9	450	46.22	155.7	
10	465	42.44	138.3	
11	539	43.31	121.9	
12	548	28.66	79.2	
13	564	34.63	93.0	
14	581	46.26	120.6	
15	626	42.17	102.1	
16	677	54.59	122.1	
17	807	25.51	47.9	
18	915	118.17	195.7	
19	1,171	67.16	86.9	
20	10,380	75.00	10.9	Upper Marker

**Region table for sample 10 : sample 25 Soni 1:6**

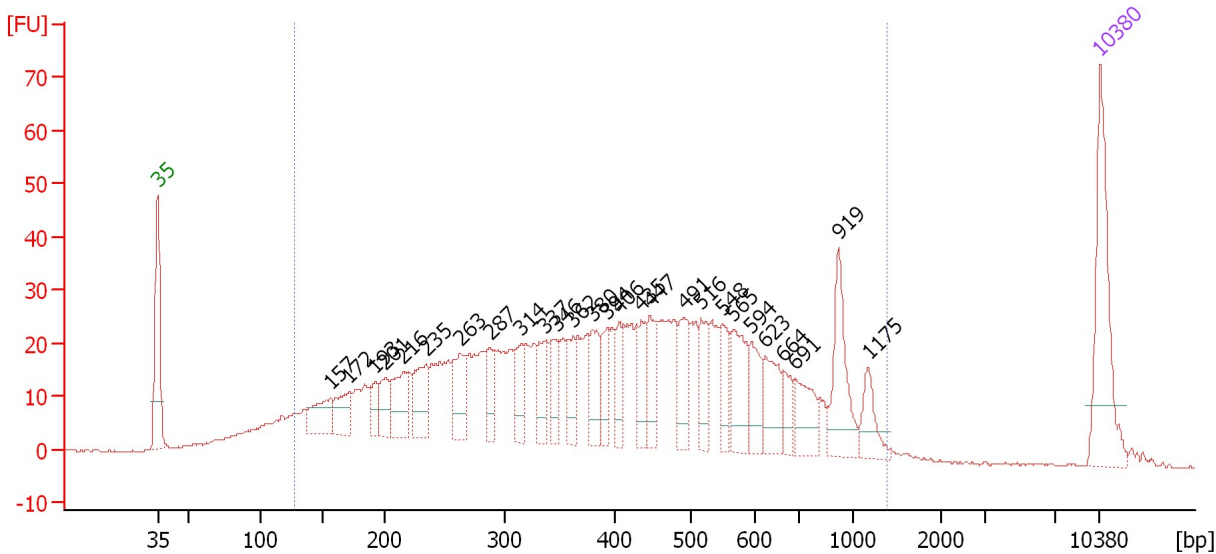
From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
151	1,415	534	7,539.5	1,860.37	1,214.7	93	50.2	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-04-08\2013-04-08\_001.xad

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**Electropherogram Summary Continued ...**

sample 26 Soni 1:6 [ 8Cycles ]



**Overall Results for sample 11 : sample 26 Soni 1:6**

Number of peaks found: 27                      Corr. Area 1: 1,127.0  
 Noise: 0.2

**Peak table for sample 11 : sample 26 Soni 1:6**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	157	41.44	400.9	
3	172	33.87	298.3	
4	193	20.49	160.9	
5	201	27.85	209.4	
6	216	50.30	352.7	
7	235	47.27	305.2	
8	263	44.59	257.1	
9	287	30.32	160.1	
10	314	33.82	163.1	
11	337	31.64	142.4	
12	346	27.82	121.7	
13	362	29.31	122.6	
14	380	38.05	151.9	
15	394	27.70	106.6	
16	406	26.52	98.9	
17	435	32.70	113.9	
18	447	35.53	120.5	
19	491	38.68	119.2	
20	516	33.23	97.7	
21	548	27.15	75.1	
22	565	49.34	132.3	
23	594	30.90	78.8	
24	623	37.88	92.1	
25	664	18.28	41.7	
26	691	36.63	80.3	



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-04-08\2013-04-08\_001.xad

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### Electropherogram Summary Continued ...

#### ... Peak table for sample 11 : sample 26 Soni 1:6

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	919	57.06	94.1	
28	1,175	24.24	31.3	
29	10,380	75.00	10.9	Upper Marker

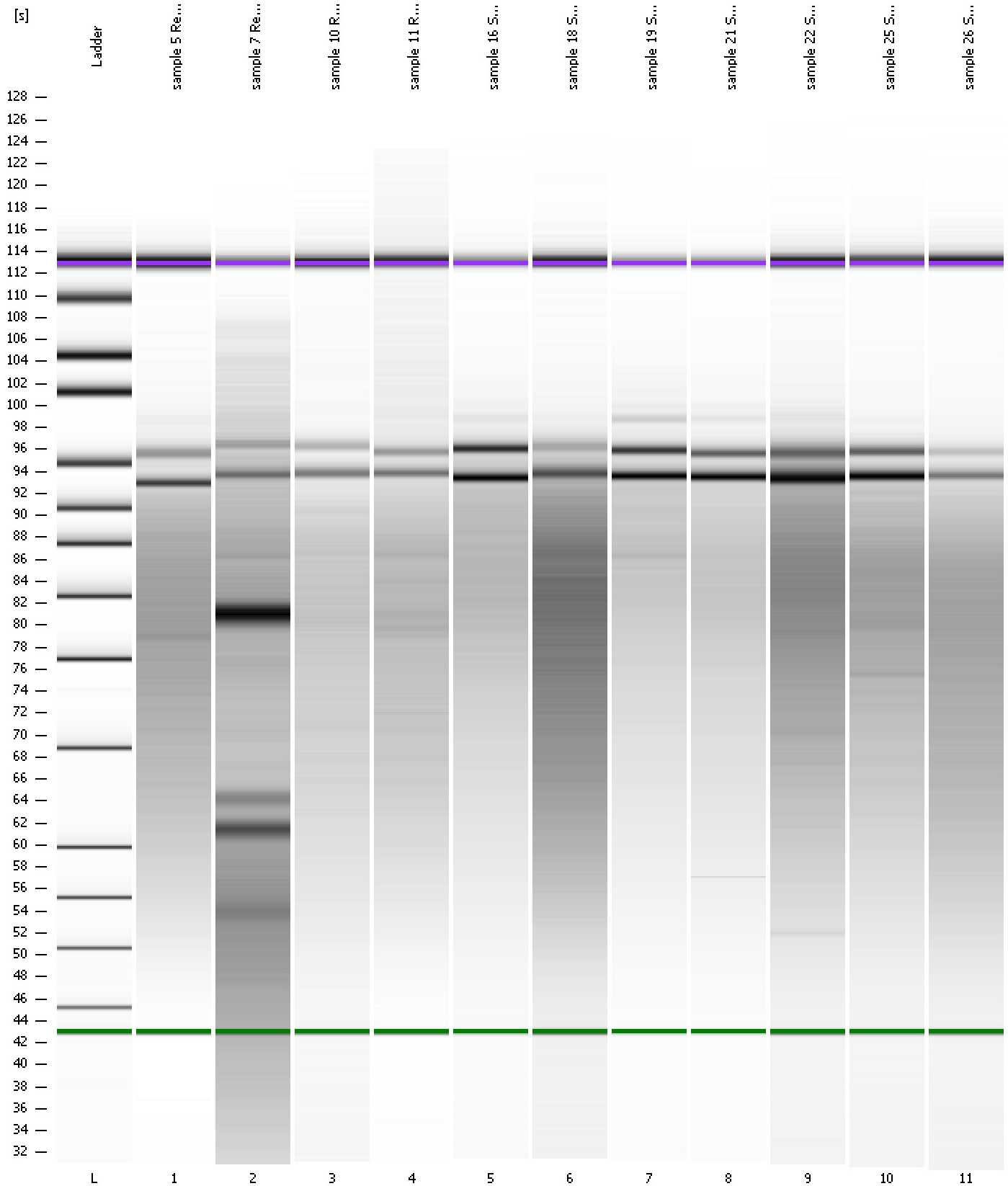
#### Region table for sample 11 : sample 26 Soni 1:6

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
127	1,388	448	8,687.7	1,799.47	1,127.0	93	50.5	■

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-04-08\2013-04-08\_001.xad

Created: 4/8/2013 10:36:24 AM  
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**Gel Image**

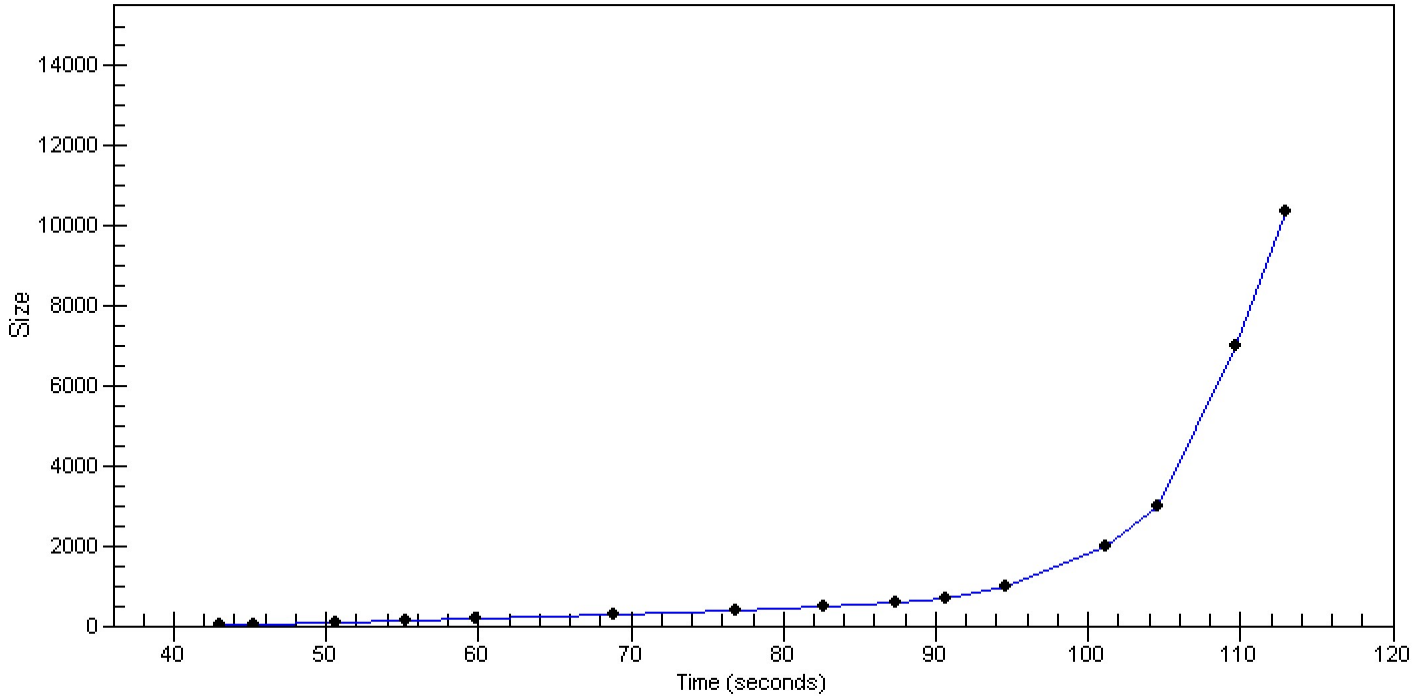


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-04-08\2013-04-08\_001.xad

Created: 4/8/2013 10:36:24 AM  
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**Curves**

**Standard Curve**



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-04-08\2013-04-08\_001.xad

Created: 4/8/2013 10:36:24 AM  
 Modified: 4/8/2013 11:29:28 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		4/8/2013 11:17:42 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2013-04-08\2013-04-08_001.xad)		Instrument	Run		4/8/2013 10:36:30 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		4/8/2013 10:36:30 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		4/8/2013 10:36:30 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		4/8/2013 10:36:30 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		4/8/2013 10:36:30 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		4/8/2013 10:36:30 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		4/8/2013 10:36:30 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1