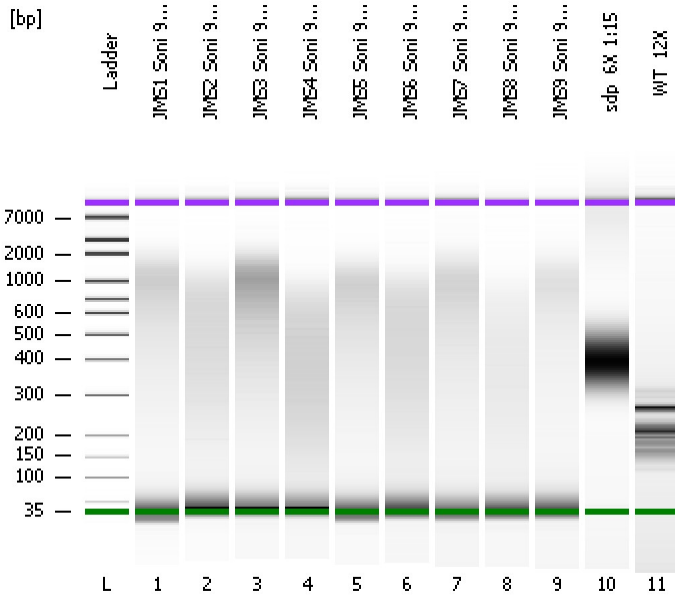


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-04-02\2014-04-02\_001.xad

Created: 4/2/2014 7:47:28 AM  
Modified: 4/2/2014 8:29:25 AM

Electrophoresis File Run Summary



Instrument Information:

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

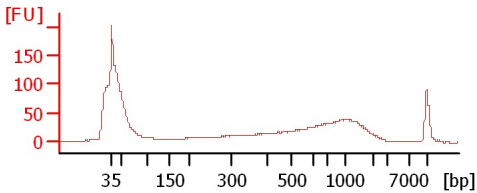
Assay Information:

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

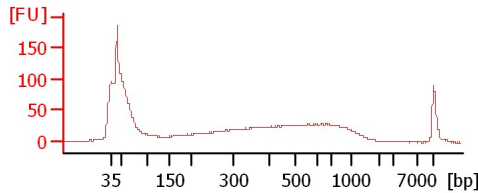
Chip Information:

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

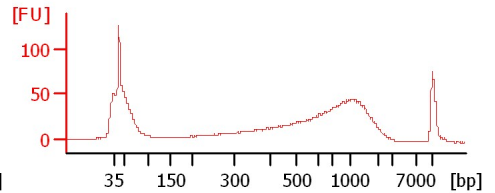
JMS1 Soni 9cyc



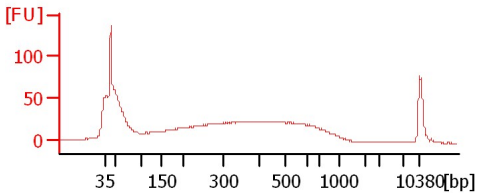
JMS2 Soni 9cyc



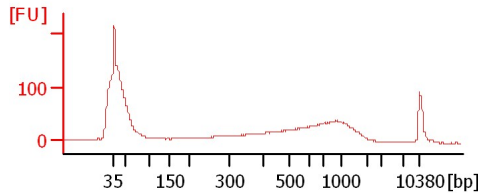
JMS3 Soni 9cyc



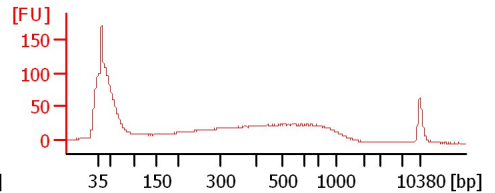
JMS4 Soni 9cyc



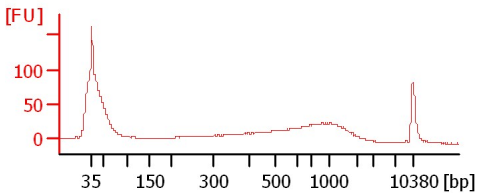
JMS5 Soni 9cyc



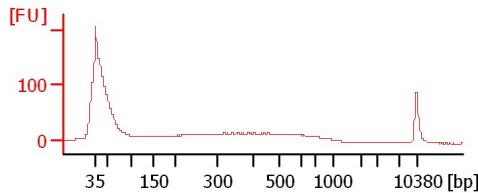
JMS6 Soni 9cyc



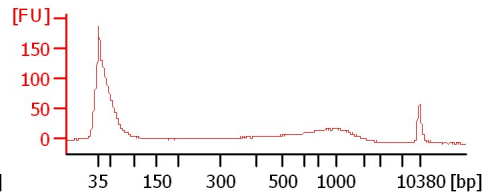
JMS7 Soni 9cyc



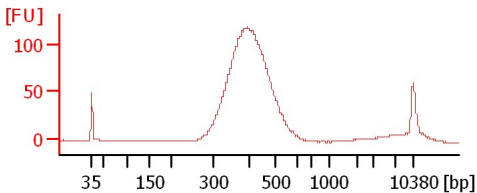
JMS8 Soni 9cyc



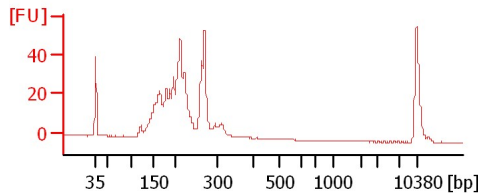
JMS9 Soni 9cyc



sdp\_6X 1:15



WT\_12X



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-04-02\2014-04-02\_001.xad

Created: 4/2/2014 7:47:28 AM  
 Modified: 4/2/2014 8:29:25 AM

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

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
JMS1 Soni 9cyc		<input type="checkbox"/>	✓			
JMS2 Soni 9cyc		<input type="checkbox"/>	✓			
JMS3 Soni 9cyc		<input type="checkbox"/>	✓			
JMS4 Soni 9cyc		<input type="checkbox"/>	✓			
JMS5 Soni 9cyc		<input type="checkbox"/>	✓			
JMS6 Soni 9cyc		<input type="checkbox"/>	✓			
JMS7 Soni 9cyc		<input type="checkbox"/>	✓			
JMS8 Soni 9cyc		<input type="checkbox"/>	✓			
JMS9 Soni 9cyc		<input type="checkbox"/>	✓			
sdp_6X 1:15		<input type="checkbox"/>	✓			
WT_12X		<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\2014-04-02\2014-04-02\_001.xad

Created: 4/2/2014 7:47:28 AM  
Modified: 4/2/2014 8:29:25 AM

**Electrophoresis Assay Details**

**General Analysis Settings**

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

**Integrator Settings**

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

**Filter Settings**

Filter Width [s] : 0.5  
Polynomial Order : 4

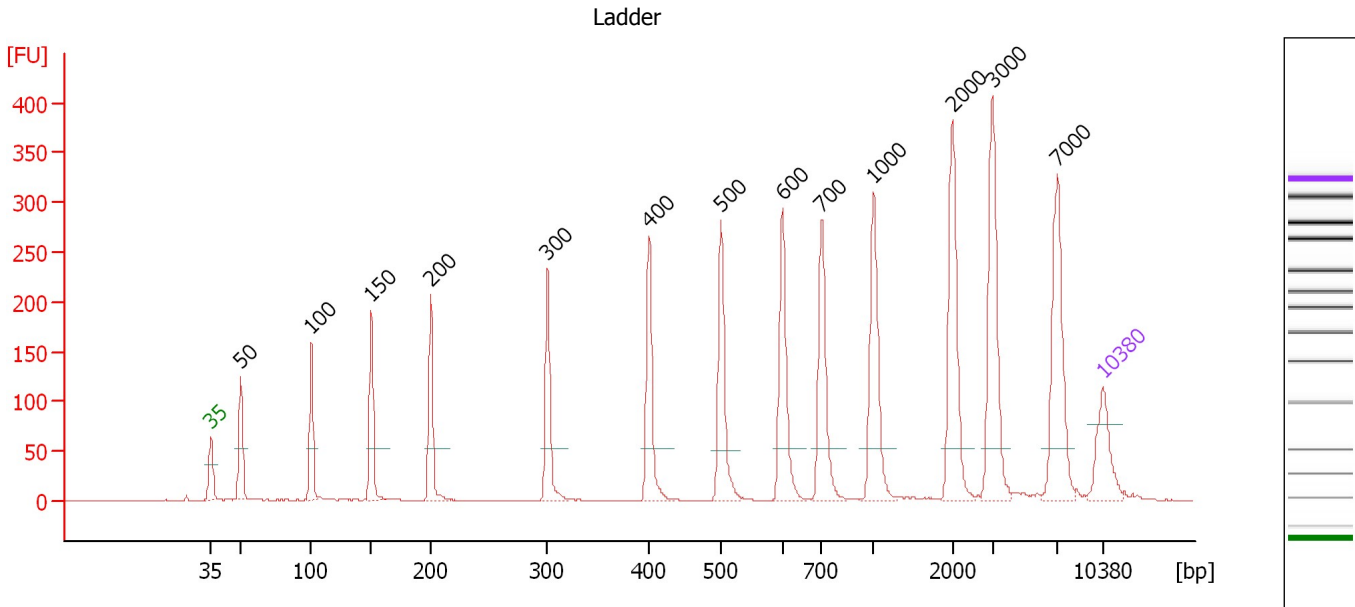
**Ladder**

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

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-04-02\2014-04-02\_001.xad

Created: 4/2/2014 7:47:28 AM  
 Modified: 4/2/2014 8:29:25 AM

**Electropherogram Summary**



**Overall Results for Ladder**

Noise: 0.2

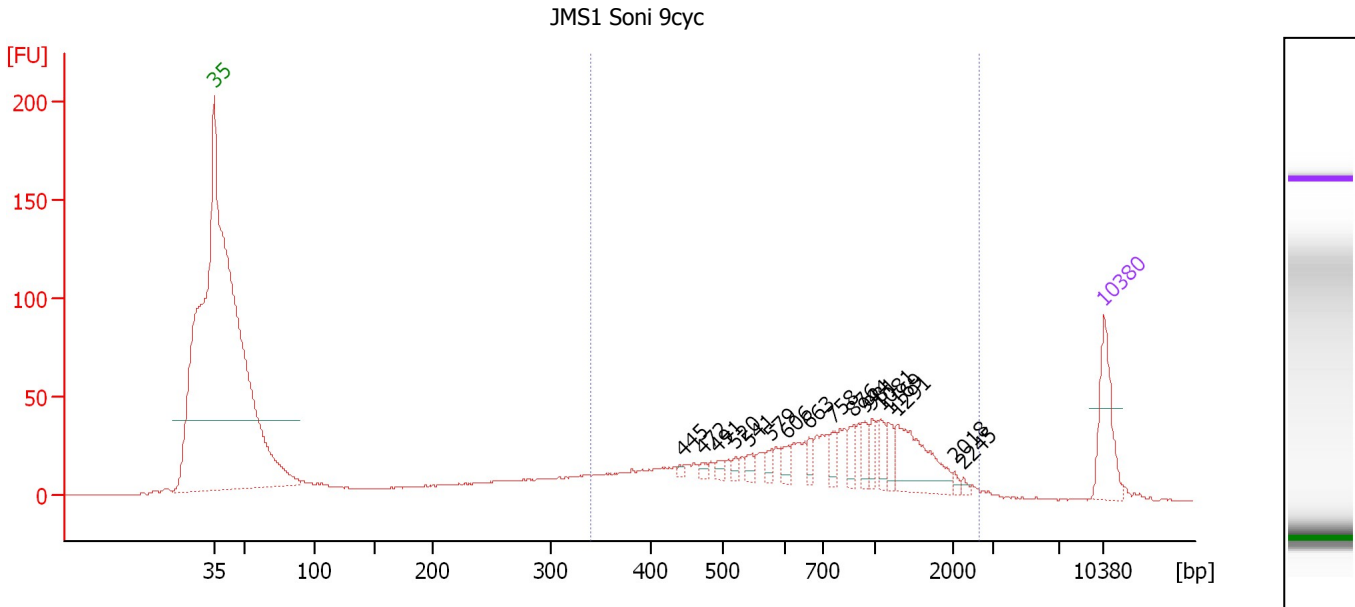
**Peak table for Ladder**

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	45.34	50	150.00	4,545.5	Ladder Peak
3	50.87	100	150.00	2,272.7	Ladder Peak
4	55.59	150	150.00	1,515.2	Ladder Peak
5	60.24	200	150.00	1,136.4	Ladder Peak
6	69.40	300	150.00	757.6	Ladder Peak
7	77.39	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	90.91	700	150.00	324.7	Ladder Peak
11	94.97	1,000	150.00	227.3	Ladder Peak
12	101.16	2,000	150.00	113.6	Ladder Peak
13	104.30	3,000	150.00	75.8	Ladder Peak
14	109.40	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\2014-04-02\2014-04-02\_001.xad

Created: 4/2/2014 7:47:28 AM  
 Modified: 4/2/2014 8:29:25 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : JMS1 Soni 9cyc**

Number of peaks found: 17      Corr. Area 1: 828.5  
 Noise: 0.2

**Peak table for sample 1 : JMS1 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	79.91	445	5.82	19.8	
3	81.46	472	8.49	27.3	
4	82.55	491	10.27	31.7	
5	84.02	520	8.61	25.1	
6	85.03	541	14.40	40.3	
7	86.83	579	11.26	29.5	
8	88.04	606	17.47	43.7	
9	89.76	663	15.67	35.8	
10	91.69	758	18.06	36.1	
11	93.29	876	21.92	37.9	
12	94.21	944	19.79	31.8	
13	94.71	981	19.94	30.8	
14	95.47	1,081	22.54	31.6	
15	96.01	1,169	21.13	27.4	
16	96.77	1,291	102.75	120.6	
17	101.21	2,018	5.06	3.8	
18	101.93	2,245	4.24	2.9	
19	113.00	10,380	75.00	10.9	Upper Marker

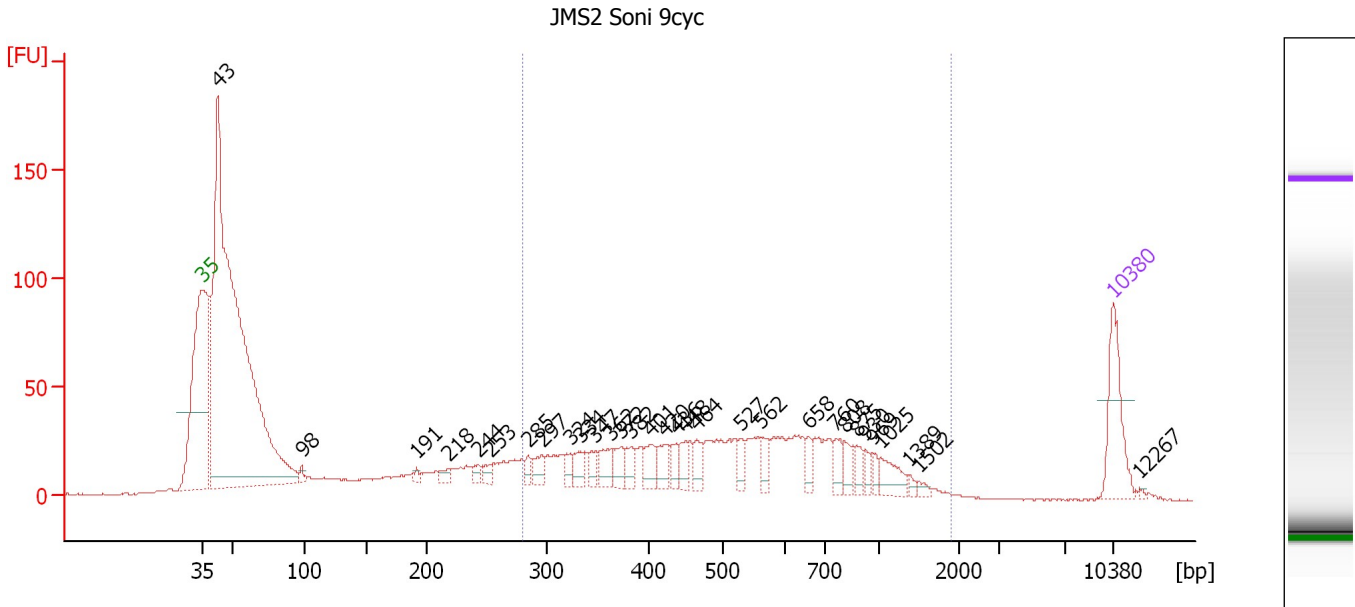
**Region table for sample 1 : JMS1 Soni 9cyc**

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
341	2,625	867	2,043.1	859.86	828.5	72	53.5

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-04-02\2014-04-02\_001.xad

Created: 4/2/2014 7:47:28 AM  
 Modified: 4/2/2014 8:29:25 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : JMS2 Soni 9cyc**

Number of peaks found: 31      Corr. Area 1: 927.6  
 Noise: 0.2

**Peak table for sample 2 : JMS2 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	44.19	43	1,707.88	60,725.3	
3	50.63	98	9.37	145.1	
4	59.44	191	6.46	51.1	
5	61.90	218	12.32	85.5	
6	64.24	244	13.88	86.3	
7	65.10	253	16.97	101.6	
8	68.06	285	13.74	72.9	
9	69.12	297	25.46	129.9	
10	71.34	324	20.47	95.7	
11	72.12	334	24.90	113.0	
12	73.18	347	17.85	77.9	
13	74.37	362	32.92	137.7	
14	75.19	372	27.42	111.5	
15	75.97	382	22.37	88.7	
16	77.45	401	31.68	119.7	
17	78.51	420	30.72	110.9	
18	79.41	436	19.58	68.1	
19	80.11	448	24.25	82.0	
20	81.01	464	24.45	79.8	
21	84.34	527	17.72	51.0	
22	86.02	562	21.37	57.6	
23	89.63	658	17.02	39.2	
24	91.72	760	24.66	49.2	
25	92.37	808	19.08	35.8	

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-04-02\2014-04-02\_001.xad


Created: 4/2/2014 7:47:28 AM  
 Modified: 4/2/2014 8:29:25 AM

### Electropherogram Summary Continued ...

#### ... Peak table for sample 2 : JMS2 Soni 9cyc

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/ $\mu$ l]	Molarity [pmol/l]	Observations
26	93.28	875	15.30	26.5	
27	94.01	930	12.61	20.6	
28	94.55	969	10.67	16.7	
29	95.12	1,025	31.59	46.7	
30	97.38	1,389	5.41	5.9	
31	98.07	1,502	5.56	5.6	
32	 113.00	10,380	75.00	10.9	Upper Marker
33	115.01	12,267	0.00	0.0	

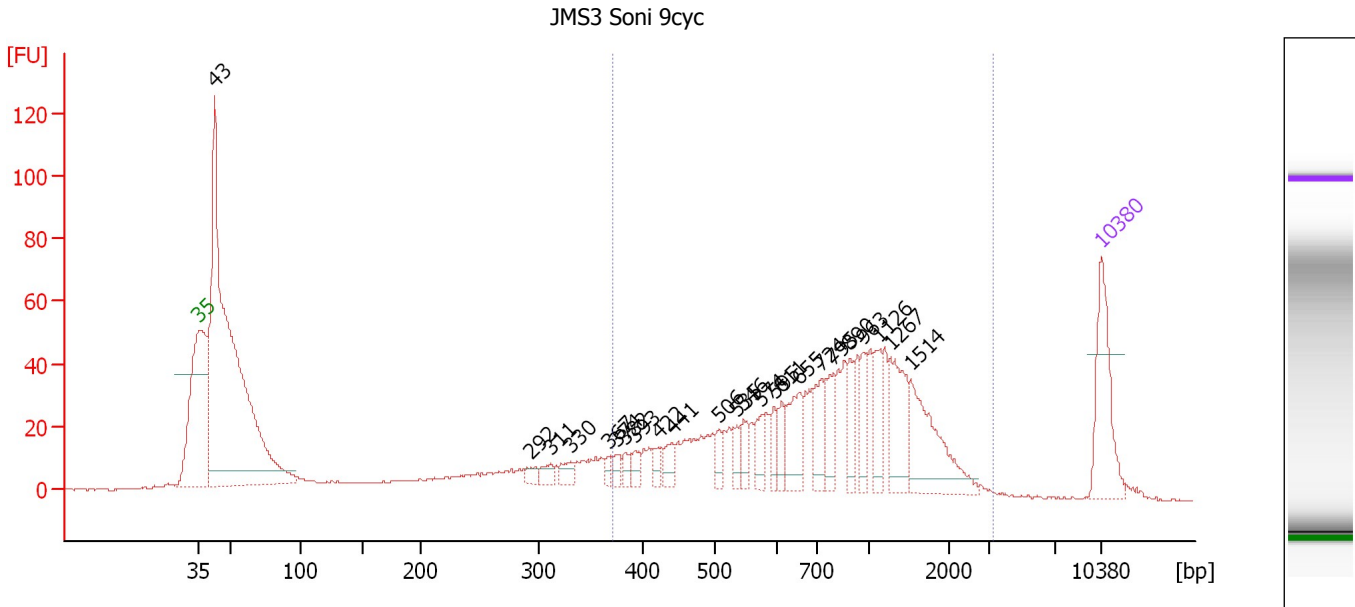
#### Region table for sample 2 : JMS2 Soni 9cyc

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/ $\mu$ l]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
281	1,896	580	3,296.9	1,011.99	 927.6	39	47.1

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-04-02\2014-04-02\_001.xad

Created: 4/2/2014 7:47:28 AM  
 Modified: 4/2/2014 8:29:25 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : JMS3 Soni 9cyc**

Number of peaks found: 24      Corr. Area 1: 877.1  
 Noise: 0.3

**Peak table for sample 3 : JMS3 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	44.20	43	1,023.94	36,349.4	
3	68.69	292	11.43	59.3	
4	70.26	311	14.20	69.2	
5	71.84	330	16.90	77.5	
6	74.77	367	9.15	37.8	
7	75.35	374	10.90	44.1	
8	75.97	382	11.94	47.3	
9	76.80	393	14.20	54.8	
10	78.66	422	13.77	49.4	
11	79.70	441	20.04	68.9	
12	83.34	506	17.55	52.5	
13	84.74	535	15.81	44.8	
14	85.24	546	23.09	64.1	
15	86.61	574	23.88	63.0	
16	87.60	595	18.56	47.3	
17	88.18	611	19.71	48.9	
18	89.54	655	54.11	125.1	
19	91.24	724	47.91	100.2	
20	92.19	795	31.27	59.6	
21	93.47	890	27.36	46.6	
22	94.47	963	27.74	43.6	
23	95.75	1,126	35.43	47.7	
24	96.62	1,267	71.45	85.5	
25	98.15	1,514	94.41	94.5	



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-04-02\2014-04-02\_001.xad

Created: 4/2/2014 7:47:28 AM  
 Modified: 4/2/2014 8:29:25 AM

### Electropherogram Summary Continued ...

#### ... Peak table for sample 3 : JMS3 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

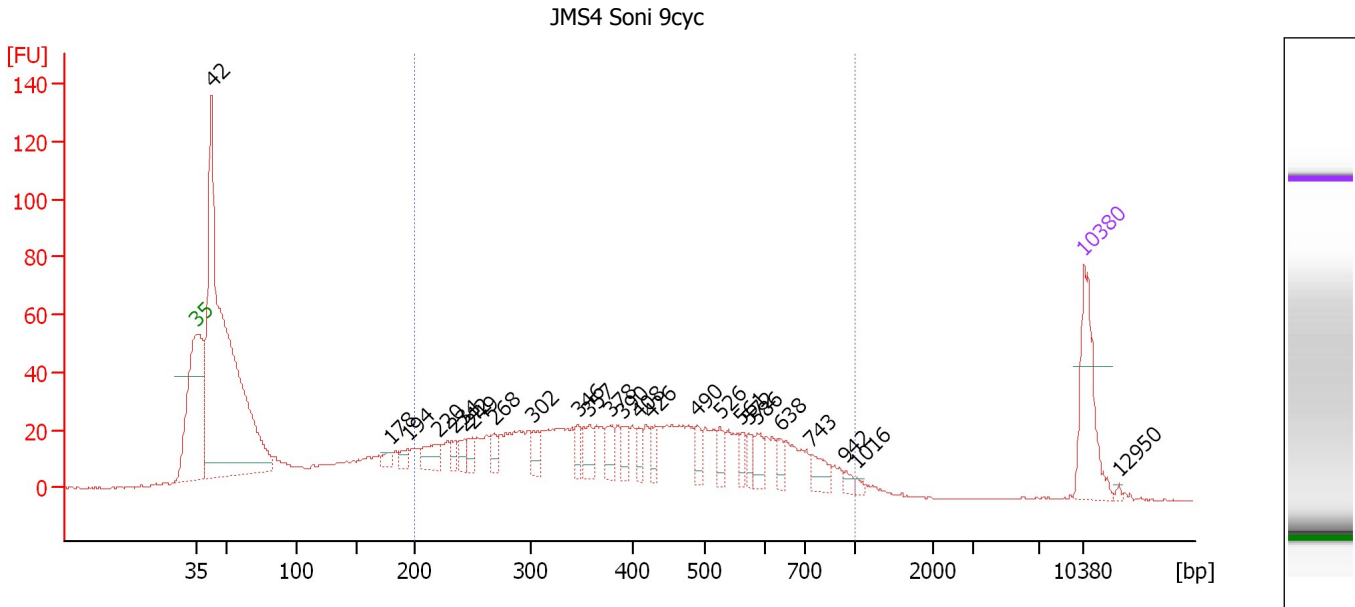
#### Region table for sample 3 : JMS3 Soni 9cyc

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
372	3,204	922	2,102.1	958.23	877.1	51	52.4

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-04-02\2014-04-02\_001.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : JMS4 Soni 9cyc**

Number of peaks found: 25      Corr. Area 1: 981.8  
 Noise: 0.2

**Peak table for sample 4 : JMS4 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	44.14	42	945.16	33,874.3	
3	58.20	178	12.01	102.2	
4	59.67	194	13.22	103.3	
5	62.07	220	34.75	239.3	
6	63.37	234	14.64	94.7	
7	64.05	242	16.03	100.6	
8	64.76	249	14.58	88.6	
9	66.49	268	16.01	90.5	
10	69.56	302	22.25	111.6	
11	73.10	346	19.02	83.2	
12	73.94	357	28.06	119.2	
13	75.62	378	26.08	104.6	
14	76.63	390	19.34	75.1	
15	77.85	408	16.08	59.7	
16	78.86	426	17.71	63.0	
17	82.48	490	17.54	54.2	
18	84.29	526	17.57	50.6	
19	85.98	561	14.77	39.9	
20	86.52	572	13.33	35.3	
21	87.20	586	21.00	54.3	
22	89.01	638	12.87	30.6	
23	91.49	743	23.02	46.9	
24	94.18	942	6.53	10.5	
25	95.07	1,016	4.10	6.1	

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-04-02\2014-04-02\_001.xad

Created: 4/2/2014 7:47:28 AM  
 Modified: 4/2/2014 8:29:25 AM

### Electropherogram Summary Continued ...

#### ... Peak table for sample 4 : JMS4 Soni 9cyc

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/ $\mu$ l]	Molarity [pmol/l]	Observations
26	113.00	10,380	75.00	10.9	Upper Marker
27	115.74	12,950	0.00	0.0	

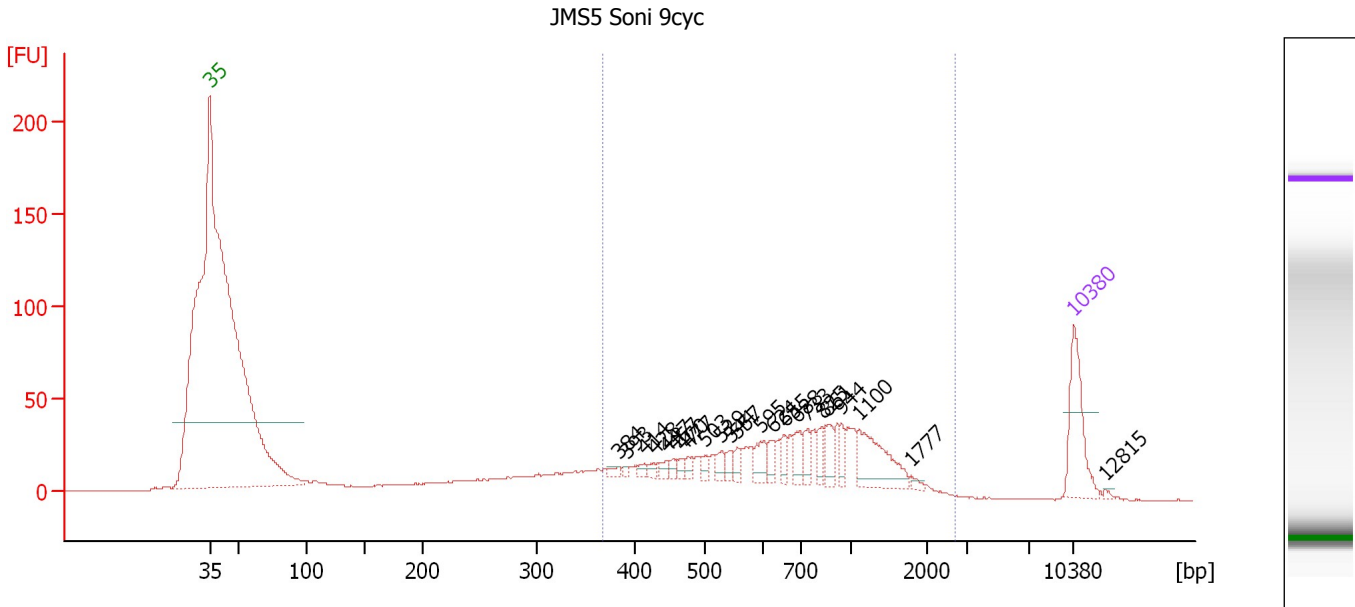
#### Region table for sample 4 : JMS4 Soni 9cyc

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/ $\mu$ l]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
200	1,000	431	5,079.6	1,184.97	981.8	53	38.3

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-04-02\2014-04-02\_001.xad

Created: 4/2/2014 7:47:28 AM  
 Modified: 4/2/2014 8:29:25 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : JMS5 Soni 9cyc**

Number of peaks found: 23                      Corr. Area 1: 788.0  
 Noise: 0.2

**Peak table for sample 5 : JMS5 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	76.10	384	6.92	27.3	
3	76.83	393	4.23	16.3	
4	78.17	414	7.52	27.5	
5	78.99	428	8.30	29.4	
6	80.03	447	10.48	35.5	
7	80.59	457	7.86	26.1	
8	81.33	470	10.12	32.6	
9	81.76	477	8.88	28.2	
10	83.19	503	10.33	31.1	
11	84.44	529	15.52	44.5	
12	85.17	544	12.85	35.8	
13	85.78	557	12.94	35.2	
14	87.59	595	25.92	66.1	
15	88.59	624	17.75	43.1	
16	89.54	655	17.59	40.7	
17	90.53	688	23.42	51.6	
18	91.35	733	24.15	49.9	
19	92.60	825	18.43	33.8	
20	93.08	861	24.86	43.8	
21	94.20	944	18.29	29.4	
22	95.59	1,100	82.90	114.2	
23	99.78	1,777	5.20	4.4	
24	113.00	10,380	75.00	10.9	Upper Marker
25	115.59	12,815	0.00	0.0	

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-04-02\2014-04-02\_001.xad

Created: 4/2/2014 7:47:28 AM  
Modified: 4/2/2014 8:29:25 AM

**Electropherogram Summary Continued ...**

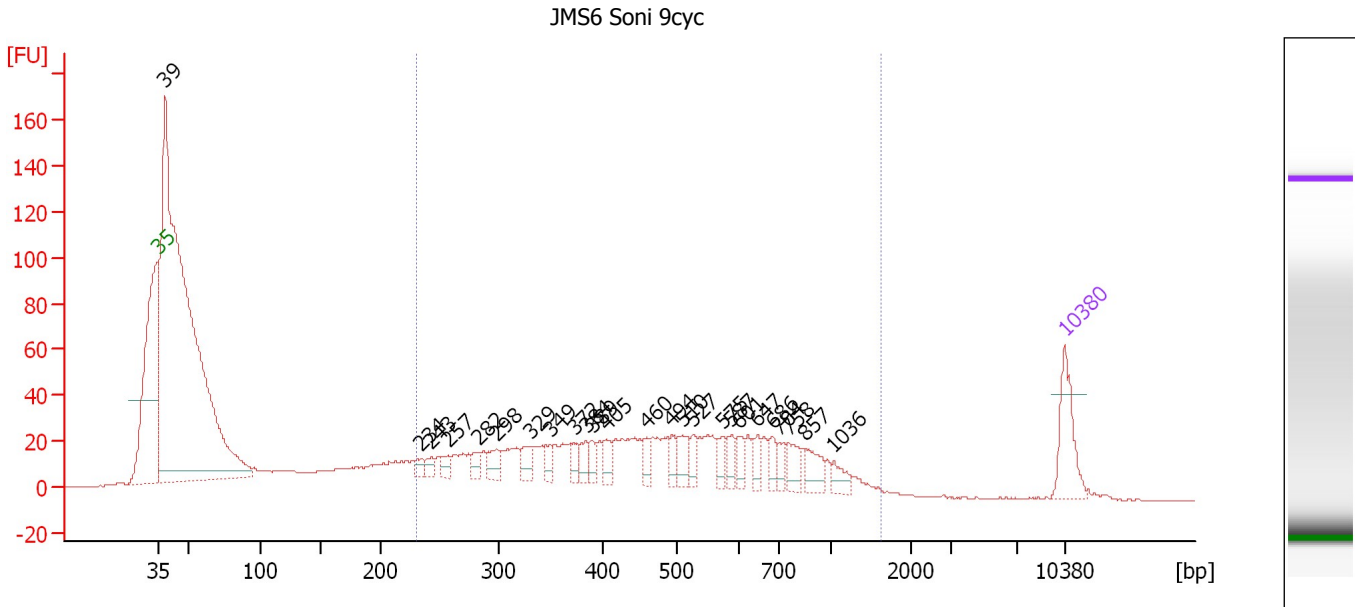
... Region table for sample 5 : JMS5 Soni 9cyc

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
369	2,687	804	1,819.5	759.44	 788.0	70	49.3

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-04-02\2014-04-02\_001.xad

Created: 4/2/2014 7:47:28 AM  
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**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : JMS6 Soni 9cyc**

Number of peaks found: 25                      Corr. Area 1: 956.4  
 Noise: 0.2

**Peak table for sample 6 : JMS6 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	43.60	39	2,370.06	92,395.5	
3	63.36	234	16.92	109.5	
4	64.13	243	18.43	115.2	
5	65.43	257	18.75	110.7	
6	67.76	282	22.75	122.2	
7	69.22	298	34.63	176.0	
8	71.72	329	36.20	166.7	
9	73.32	349	27.24	118.2	
10	75.17	372	22.97	93.5	
11	76.08	384	27.87	110.1	
12	76.51	389	23.47	91.4	
13	77.68	405	27.26	102.0	
14	80.78	460	24.62	81.1	
15	82.68	494	25.63	78.7	
16	83.50	510	39.72	118.1	
17	84.32	527	24.98	71.9	
18	86.65	575	24.60	64.8	
19	87.25	587	26.70	68.9	
20	87.90	601	24.43	61.5	
21	89.28	647	26.40	61.8	
22	90.49	686	22.53	49.7	
23	90.96	704	22.45	48.3	
24	91.69	758	35.05	70.1	
25	93.03	857	38.38	67.9	

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-04-02\2014-04-02\_001.xad

Created: 4/2/2014 7:47:28 AM  
 Modified: 4/2/2014 8:29:25 AM

### Electropherogram Summary Continued ...

#### ... Peak table for sample 6 : JMS6 Soni 9cyc

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/ $\mu$ l]	Molarity [pmol/l]	Observations
26	95.19	1,036	22.22	32.5	
27	113.00	10,380	75.00	10.9	Upper Marker

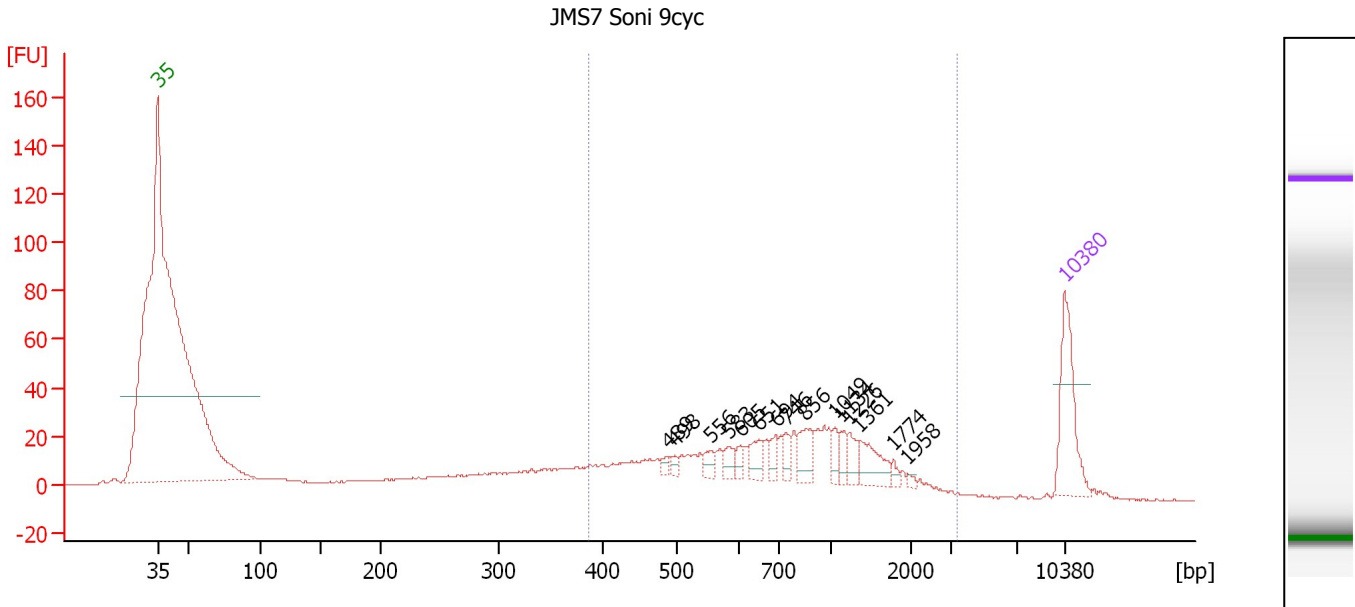
#### Region table for sample 6 : JMS6 Soni 9cyc

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/ $\mu$ l]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
229	1,627	518	5,491.1	1,478.01	956.4	42	45.9

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-04-02\2014-04-02\_001.xad

Created: 4/2/2014 7:47:28 AM  
 Modified: 4/2/2014 8:29:25 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : JMS7 Soni 9cyc**

Number of peaks found: 15      Corr. Area 1: 548.9  
 Noise: 0.2

**Peak table for sample 7 : JMS7 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	82.42	489	6.13	19.0	
3	82.95	498	7.77	23.6	
4	85.72	556	12.51	34.1	
5	87.04	583	14.28	37.1	
6	88.01	605	10.33	25.9	
7	89.42	651	23.46	54.6	
8	90.74	694	12.97	28.3	
9	91.53	746	13.83	28.1	
10	93.03	856	30.56	54.1	
11	95.27	1,049	13.65	19.7	
12	95.80	1,134	12.79	17.1	
13	96.37	1,226	15.91	19.6	
14	97.20	1,361	34.99	38.9	
15	99.76	1,774	5.84	5.0	
16	100.90	1,958	3.14	2.4	
17	113.00	10,380	75.00	10.9	Upper Marker

**Region table for sample 7 : JMS7 Soni 9cyc**

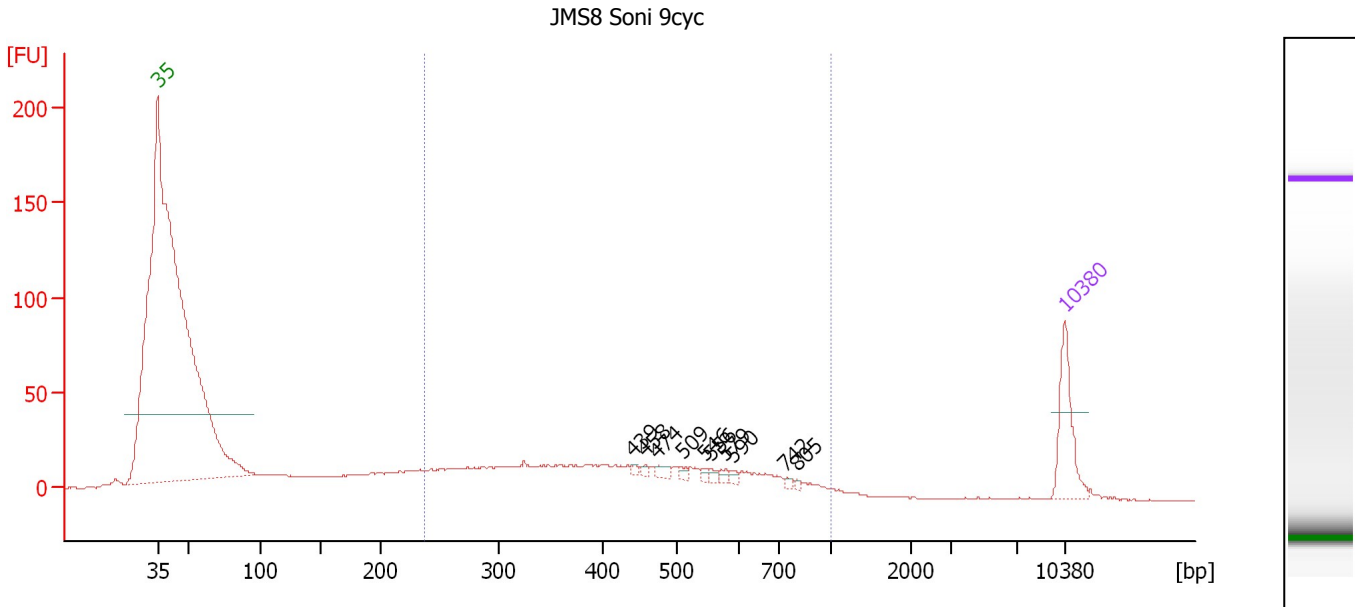
From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. for Area	% of Total	Size distribution in CV [%]
385	3,299	885	1,320.2	585.81	548.9	69	54.0



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-04-02\2014-04-02\_001.xad

Created: 4/2/2014 7:47:28 AM  
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**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : JMS8 Soni 9cyc**

Number of peaks found: 10                      Corr. Area 1: 543.1  
 Noise: 0.2

**Peak table for sample 8 : JMS8 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	79.62	439	4.56	15.7	
3	80.68	458	4.90	16.2	
4	81.56	474	10.47	33.5	
5	83.47	509	6.40	19.0	
6	85.24	546	5.08	14.1	
7	85.73	556	5.97	16.3	
8	86.83	579	6.41	16.8	
9	87.36	590	6.26	16.1	
10	91.48	742	4.49	9.2	
11	92.32	805	3.20	6.0	
12	113.00	10,380	75.00	10.9	Upper Marker

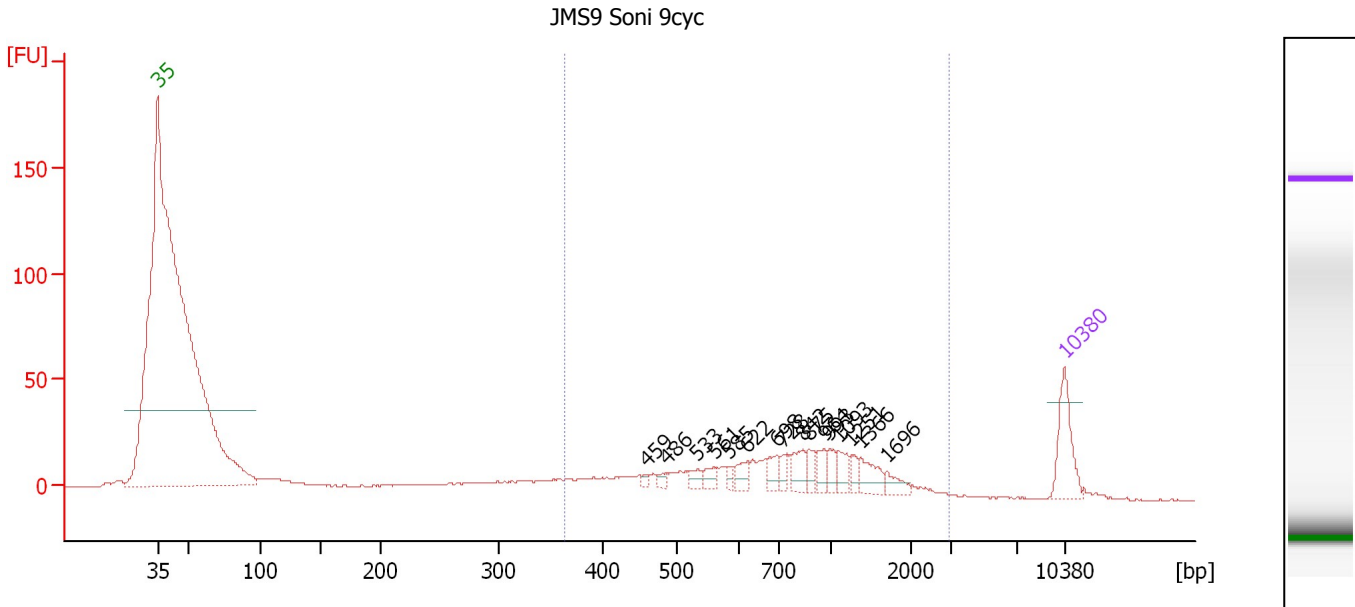
**Region table for sample 8 : JMS8 Soni 9cyc**

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. for Area	% of Total	Size distribution in CV [%]
237	1,000	450	2,567.4	646.72	543.1	69	35.5

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-04-02\2014-04-02\_001.xad

Created: 4/2/2014 7:47:28 AM  
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**Electropherogram Summary Continued ...**



**Overall Results for sample 9 : JMS9 Soni 9cyc**

Number of peaks found: 16      Corr. Area 1: 411.8  
 Noise: 0.2

**Peak table for sample 9 : JMS9 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	80.75	459	7.86	25.9	
3	82.26	486	11.05	34.4	
4	84.62	533	19.16	54.5	
5	85.99	561	19.64	53.0	
6	87.15	585	11.65	30.1	
7	88.53	622	24.88	60.6	
8	90.84	698	28.22	61.3	
9	91.28	728	19.05	39.7	
10	92.84	842	38.53	69.3	
11	93.28	875	23.97	41.5	
12	94.48	964	23.16	36.4	
13	94.88	993	21.68	33.1	
14	95.54	1,093	28.43	39.4	
15	96.52	1,251	15.62	18.9	
16	97.23	1,366	38.11	42.3	
17	99.28	1,696	20.17	18.0	
18	113.00	10,380	75.00	10.9	Upper Marker

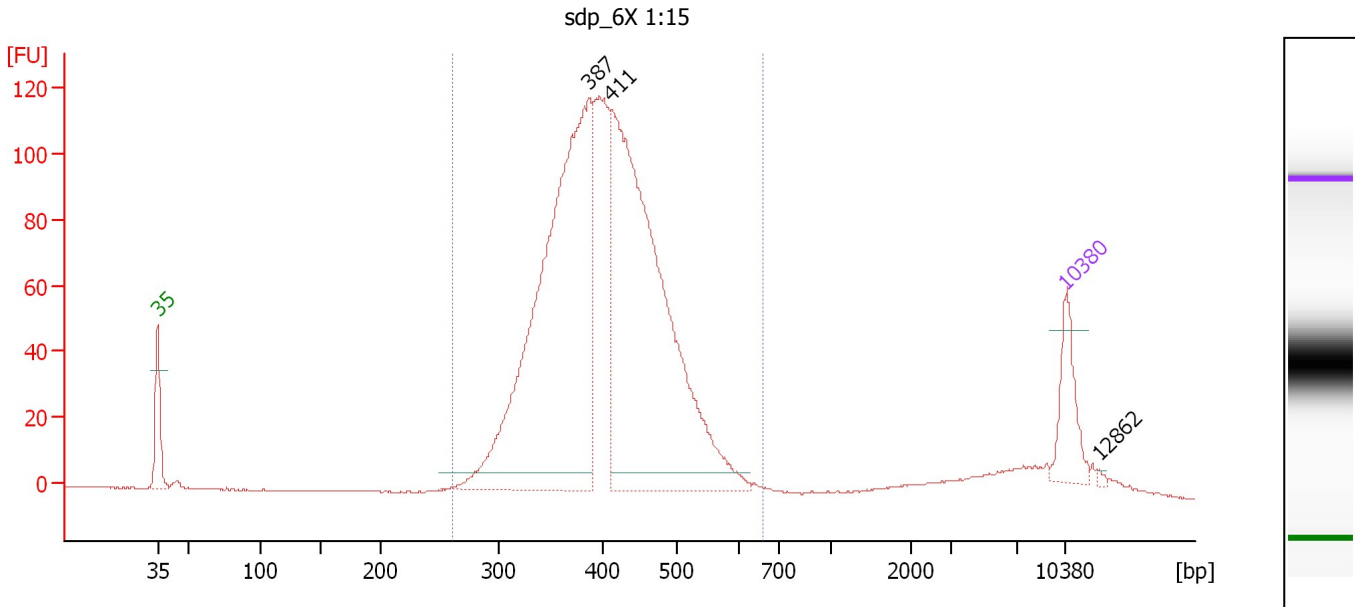
**Region table for sample 9 : JMS9 Soni 9cyc**

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
362	2,942	875	1,437.9	629.03	411.8	73	52.7

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-04-02\2014-04-02\_001.xad

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 Modified: 4/2/2014 8:29:25 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 10 : sdp\_6X 1:15**

Number of peaks found: 3                      Corr. Area 1: 1,648.5  
 Noise: 0.2

**Peak table for sample 10 : sdp\_6X 1:15**

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	76.32	387	1,129.38	4,426.5	
3	78.02	411	1,061.21	3,910.8	
4	113.00	10,380	75.00	10.9	Upper Marker
5	115.64	12,862	0.00	0.0	

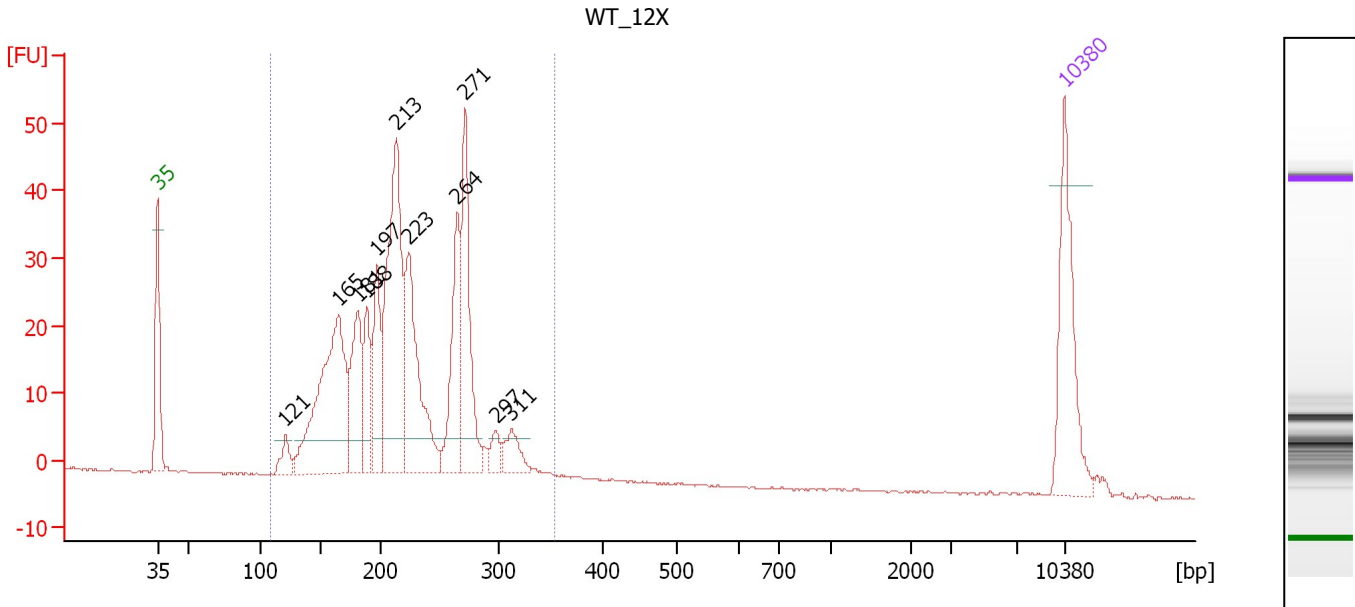
**Region table for sample 10 : sdp\_6X 1:15**

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
260	664	409	9,870.2	2,586.58	1,648.5	93	15.6

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-04-02\2014-04-02\_001.xad

Created: 4/2/2014 7:47:28 AM  
 Modified: 4/2/2014 8:29:25 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 11 : WT\_12X**

Number of peaks found: 11      Corr. Area 1: 506.2  
 Noise: 0.2

**Peak table for sample 11 : WT\_12X**

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	52.87	121	18.78	234.8	
3	56.97	165	222.89	2,048.7	
4	58.46	181	84.42	707.3	
5	59.14	188	55.14	444.0	
6	59.95	197	71.38	549.4	
7	61.44	213	213.44	1,517.9	
8	62.38	223	142.18	964.4	
9	66.12	264	91.40	524.1	
10	66.75	271	117.47	656.5	
11	69.10	297	13.96	71.3	
12	70.31	311	23.03	112.0	
13	113.00	10,380	75.00	10.9	Upper Marker

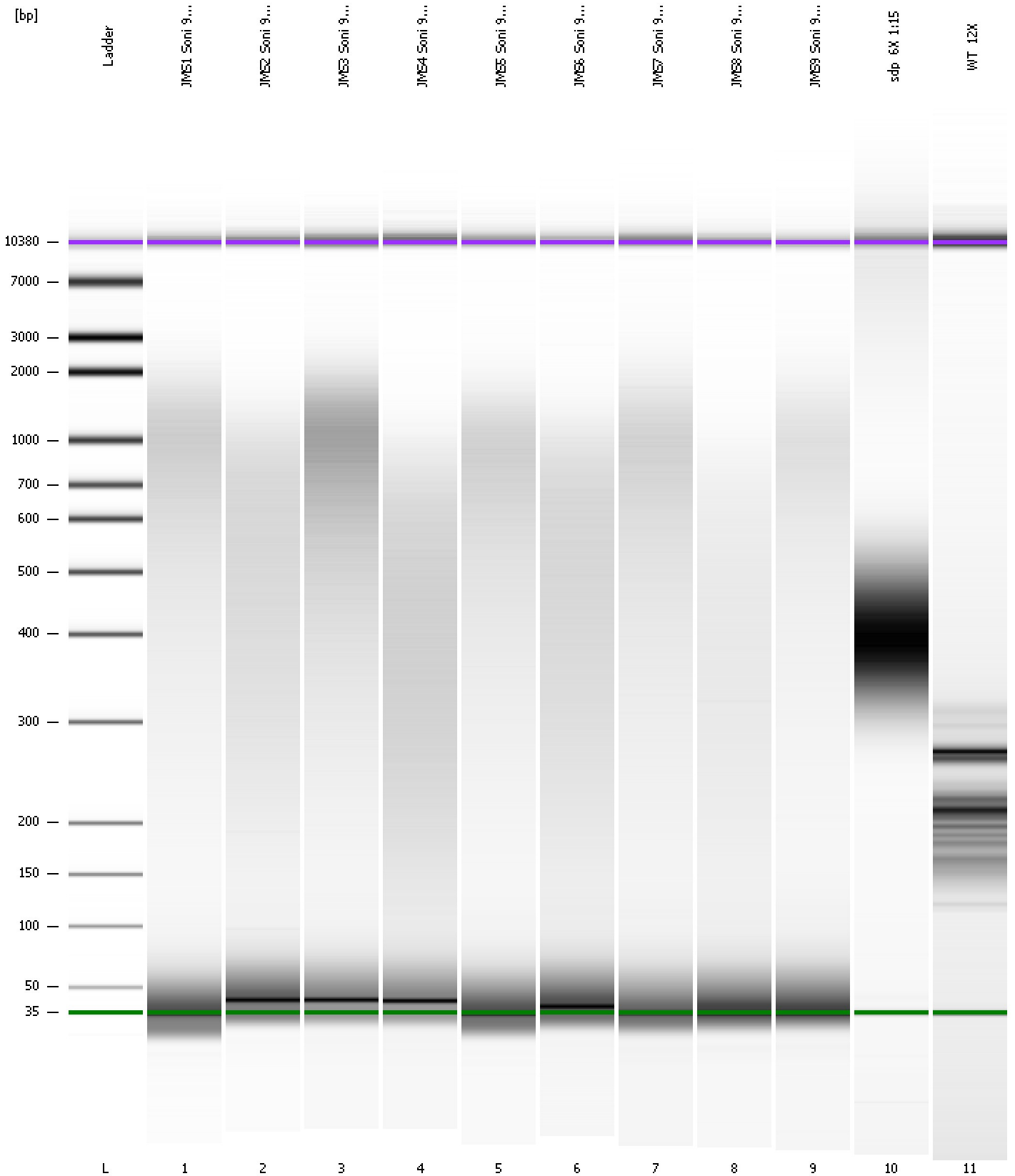
**Region table for sample 11 : WT\_12X**

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
109	354	218	7,977.1	1,082.49	506.2	99	21.1

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-04-02\2014-04-02\_001.xad

Created: 4/2/2014 7:47:28 AM  
Modified: 4/2/2014 8:29:25 AM

**Gel Image**

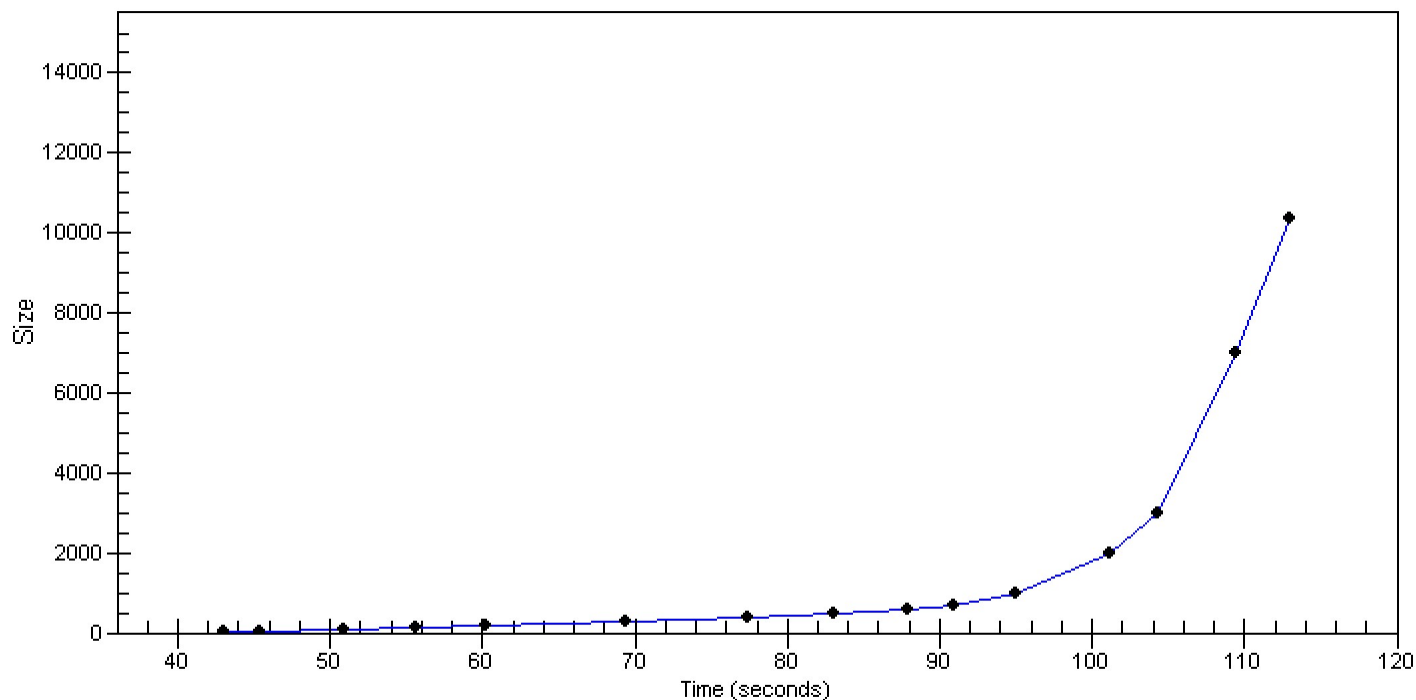


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-04-02\2014-04-02\_001.xad

Created: 4/2/2014 7:47:28 AM  
Modified: 4/2/2014 8:29:25 AM

**Curves**

**Standard Curve**



Assay Class: High Sensitivity DNA Assay Created: 4/2/2014 7:47:28 AM  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-04-02\2014-04-02\_001.xad Modified: 4/2/2014 8:29:25 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		4/2/2014 8:28:48 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2014-04-02\2014-04-02_001.xad)		Instrument	Run		4/2/2014 7:47:34 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		4/2/2014 7:47:34 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		4/2/2014 7:47:34 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		4/2/2014 7:47:34 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		4/2/2014 7:47:34 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		4/2/2014 7:47:34 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		4/2/2014 7:47:34 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1