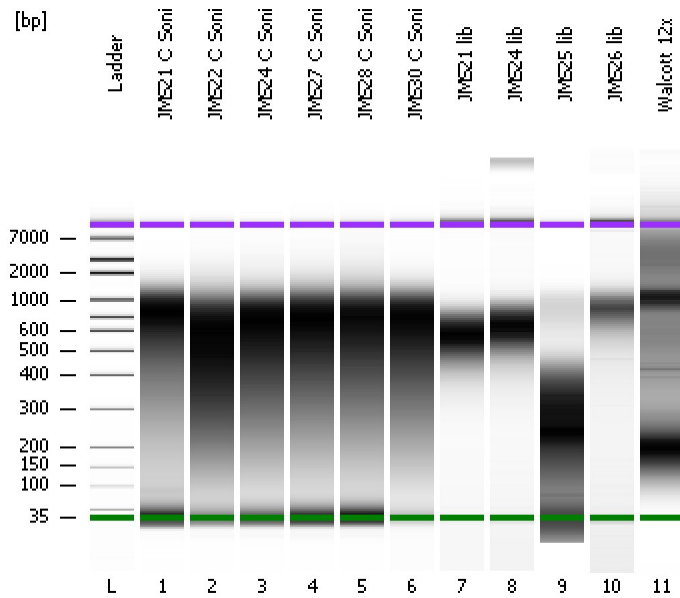


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-08-05\2014-08-05\_001.xad

Created: 8/5/2014 1:29:38 PM  
Modified: 8/5/2014 2:13:00 PM

### Electrophoresis File Run Summary



#### Instrument Information:

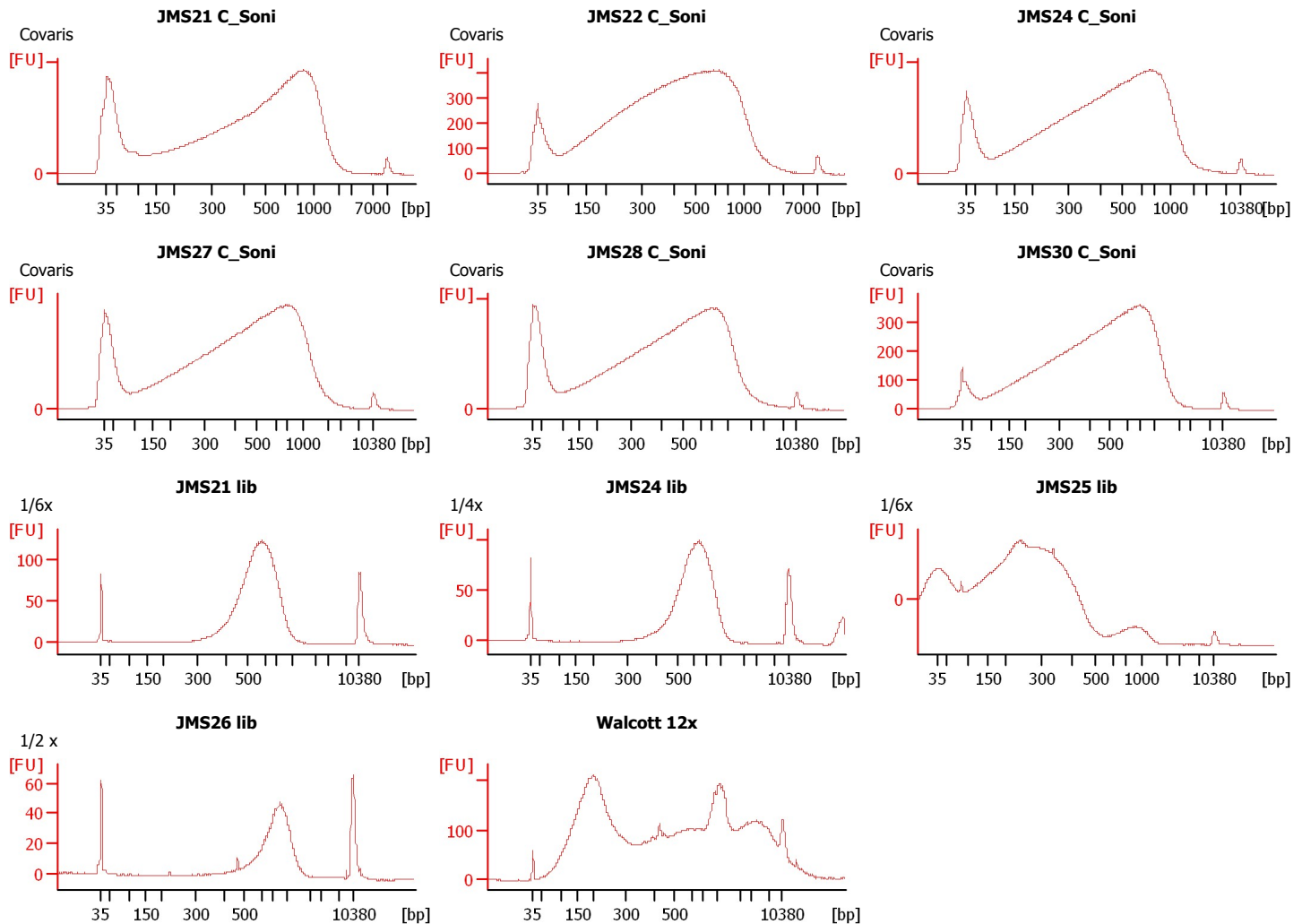
Instrument Name: DE13701086      Firmware: C.01.069  
Serial#: DE13701086      Type: G2938B

#### 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:



Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-08-05\2014-08-05\_001.xad

Created: 8/5/2014 1:29:38 PM  
Modified: 8/5/2014 2:13:00 PM

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

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
JMS21 C_Soni	Covaris	<input type="checkbox"/>	✓			
JMS22 C_Soni	Covaris	<input type="checkbox"/>	✓			
JMS24 C_Soni	Covaris	<input type="checkbox"/>	✓			
JMS27 C_Soni	Covaris	<input type="checkbox"/>	✓			
JMS28 C_Soni	Covaris	<input type="checkbox"/>	✓			
JMS30 C_Soni	Covaris	<input type="checkbox"/>	✓			
JMS21 lib	1/6x	<input type="checkbox"/>	✓			
JMS24 lib	1/4x	<input type="checkbox"/>	✓			
JMS25 lib	1/6x	<input type="checkbox"/>	✓			
JMS26 lib	1/2 x	<input type="checkbox"/>	✓			
Walcott 12x		<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\2014-08-05\2014-08-05\_001.xad

Created: 8/5/2014 1:29:38 PM  
Modified: 8/5/2014 2:13:00 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

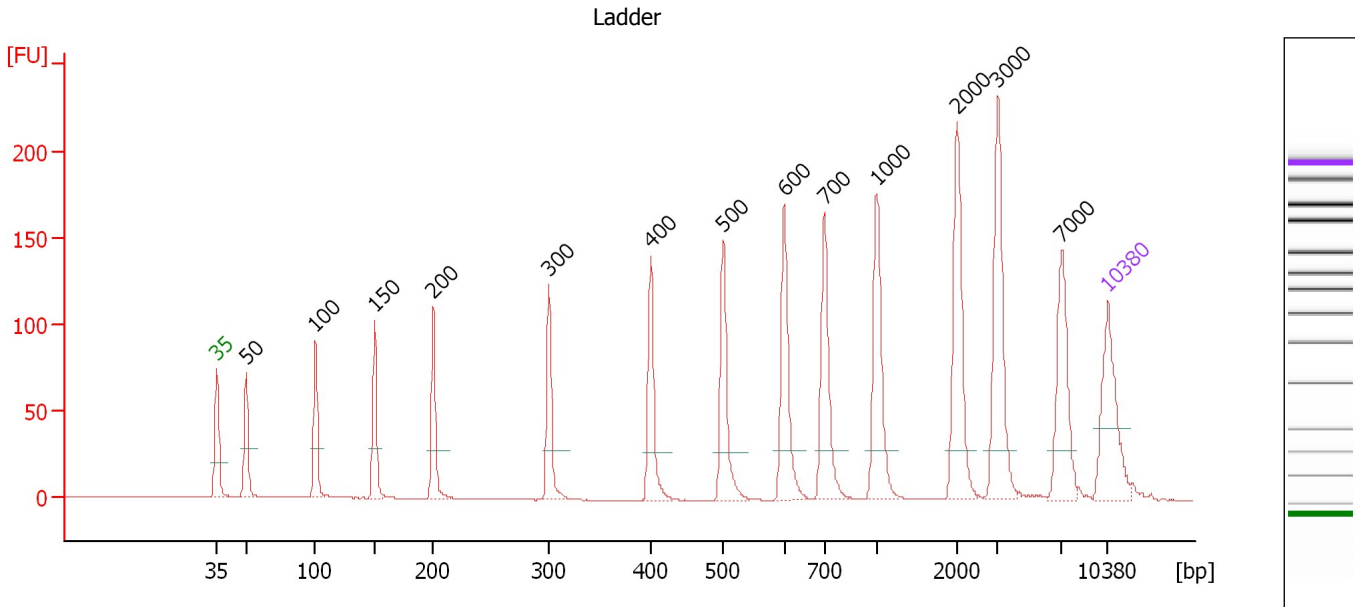
**Ladder**

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:\... bioanalyzer\2100 expert\Data\2014-08-05\2014-08-05\_001.xad

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**Electropherogram Summary**



**Overall Results for Ladder**

Noise: 0.2

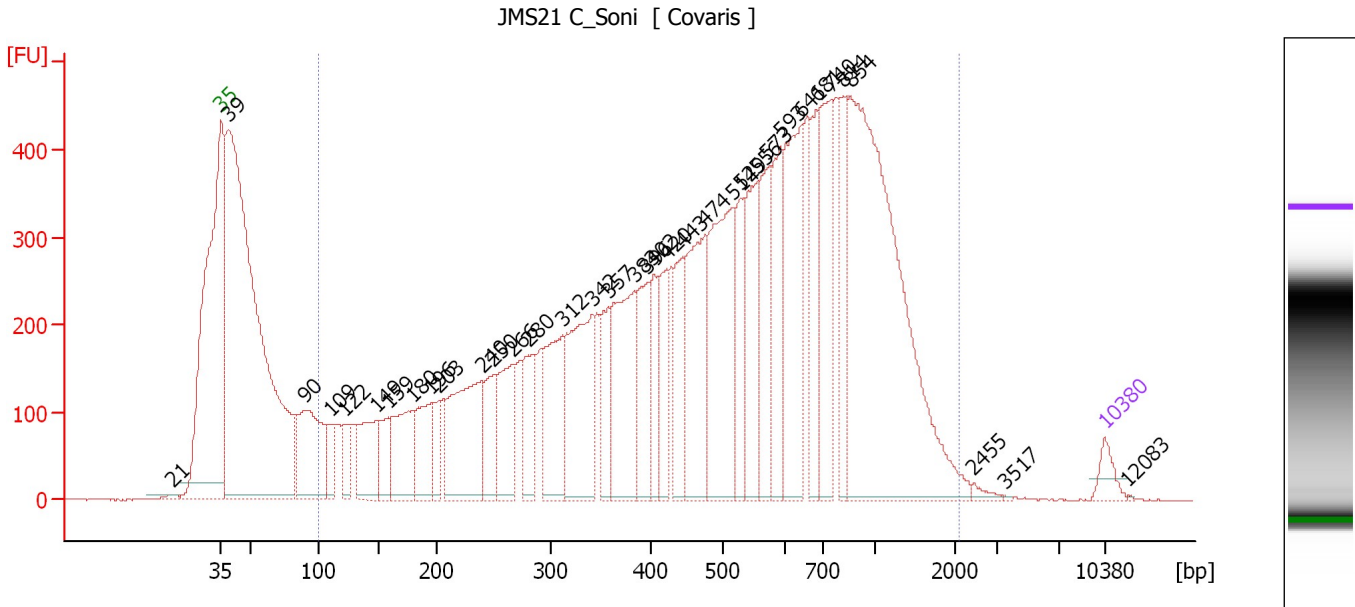
**Peak table for Ladder**

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:\... bioanalyzer\2100 expert\Data\2014-08-05\2014-08-05\_001.xad

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 Modified: 8/5/2014 2:13:00 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : JMS21 C\_Soni**

Number of peaks found: 36                      Corr. Area 1: 15,417.2  
 Noise: 0.2

**Peak table for sample 1 : JMS21 C\_Soni**


Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	21	0.00	0.0	
2	35	125.00	5,411.3	Lower Marker
3	39	6,050.83	237,675.4	
4	90	893.90	15,098.3	
5	109	201.77	2,797.5	
6	122	191.92	2,374.8	
7	149	487.13	4,961.0	
8	159	282.43	2,686.2	
9	180	536.75	4,520.2	
10	196	388.41	3,003.3	
11	203	232.24	1,734.6	
12	240	917.49	5,791.9	
13	250	325.30	1,969.7	
14	266	507.64	2,886.2	
15	280	384.79	2,079.1	
16	312	626.27	3,040.8	
17	342	915.30	4,059.7	
18	357	320.97	1,362.6	
19	383	825.63	3,268.2	
20	396	453.15	1,734.0	
21	402	269.12	1,013.1	
22	420	343.18	1,237.3	
23	443	428.41	1,464.5	
24	474	794.86	2,542.9	
25	514	1,064.06	3,133.6	
26	529	341.51	978.8	

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-08-05\2014-08-05\_001.xad

Created: 8/5/2014 1:29:38 PM  
 Modified: 8/5/2014 2:13:00 PM

### Electropherogram Summary Continued ...

#### ... Peak table for sample 1 : JMS21 C Soni

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	556	532.66	1,451.4	
28	573	501.40	1,326.2	
29	593	533.16	1,361.9	
30	641	887.65	2,099.2	
31	681	398.09	885.7	
32	740	676.22	1,385.2	
33	814	364.73	679.1	
34	854	2,681.41	4,758.2	
35	2,455	24.95	15.4	
36	3,517	3.74	1.6	
37	 10,380	75.00	10.9	Upper Marker
38	12,083	0.00	0.0	

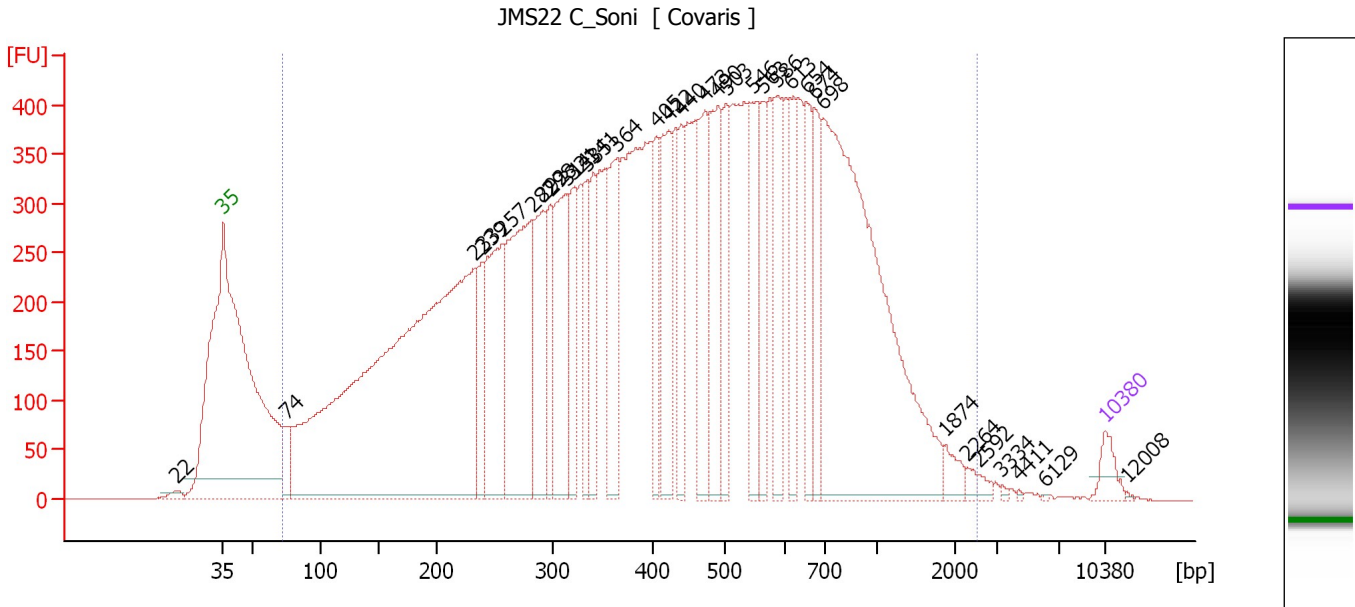
#### Region table for sample 1 : JMS21 C Soni

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
100	2,107	584	86,670.2	19,503.73	 15,417.2	81	57.8

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-08-05\2014-08-05\_001.xad

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 Modified: 8/5/2014 2:13:00 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : JMS22 C\_Soni**

Number of peaks found: 33                      Corr. Area 1: 19,629.6  
 Noise: 0.2

**Peak table for sample 2 : JMS22 C\_Soni**


Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	22	0.00	0.0	
2	35	125.00	5,411.3	Lower Marker
3	74	168.63	3,438.4	
4	233	5,258.86	34,248.7	
5	239	358.89	2,273.6	
6	257	941.12	5,541.4	
7	282	1,298.71	6,966.3	
8	292	584.62	3,031.0	
9	298	333.96	1,696.3	
10	314	712.29	3,437.8	
11	321	387.18	1,828.6	
12	335	357.96	1,621.1	
13	341	333.43	1,481.9	
14	364	531.41	2,210.9	
15	405	324.06	1,213.3	
16	422	572.68	2,057.3	
17	440	325.64	1,122.4	
18	473	502.68	1,610.2	
19	490	603.23	1,864.9	
20	503	400.91	1,207.0	
21	546	426.36	1,183.6	
22	563	323.77	871.9	
23	586	406.94	1,052.8	
24	613	353.98	874.6	
25	654	370.67	859.2	
26	674	322.09	724.2	

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-08-05\2014-08-05\_001.xad

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 Modified: 8/5/2014 2:13:00 PM

### Electropherogram Summary Continued ...

#### ... Peak table for sample 2 : JMS22 C Soni

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	698	2,786.77	6,048.4	
28	1,874	73.95	59.8	
29	2,264	25.24	16.9	
30	2,592	23.98	14.0	
31	3,334	8.34	3.8	
32	4,411	4.86	1.7	
33	6,129	2.54	0.6	
34	 10,380	75.00	10.9	Upper Marker
35	12,008	0.00	0.0	

#### Region table for sample 2 : JMS22 C Soni

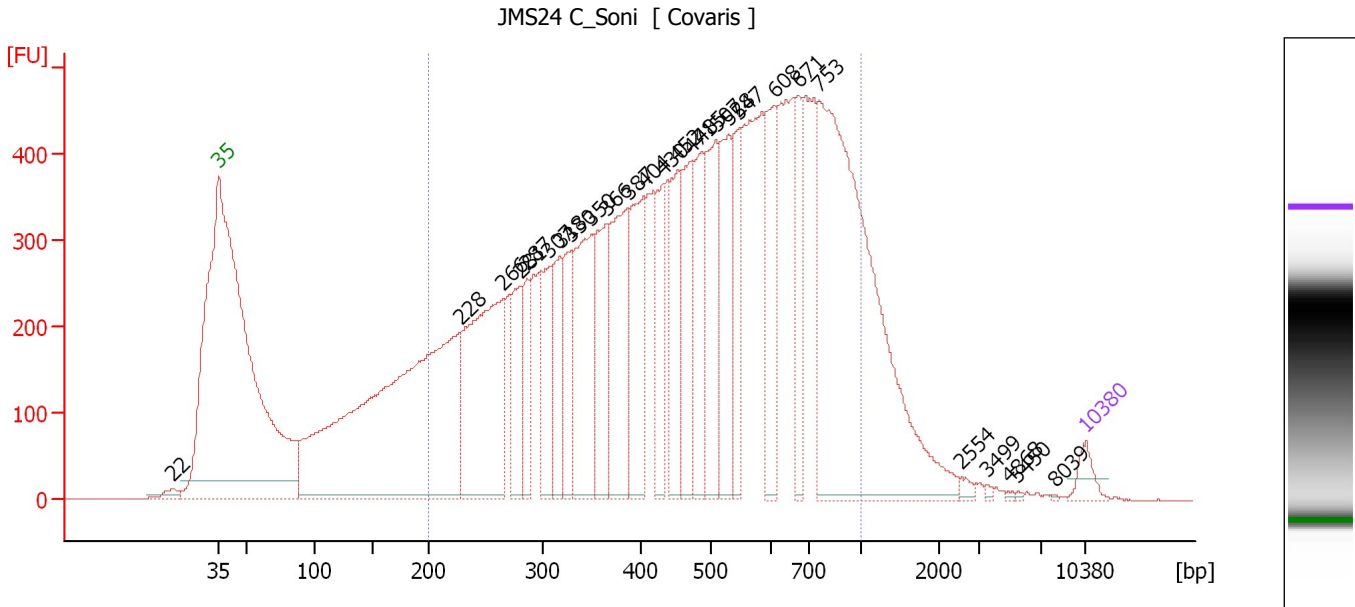
From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
72	2,531	490	135,170.1	25,098.64	 19,629.6	99	64.1



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-08-05\2014-08-05\_001.xad

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 Modified: 8/5/2014 2:13:00 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : JMS24 C\_Soni**

Number of peaks found: 27                      Corr. Area 1: 15,629.3  
 Noise: 0.2

**Peak table for sample 3 : JMS24 C\_Soni**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	22	0.00	0.0	
2	35	125.00	5,411.3	Lower Marker
3	228	4,057.33	26,988.9	
4	266	1,646.35	9,390.4	
5	281	494.28	2,662.7	
6	287	344.34	1,818.3	
7	307	439.91	2,169.6	
8	318	466.31	2,218.3	
9	330	444.37	2,041.5	
10	350	910.47	3,938.9	
11	366	614.76	2,546.2	
12	387	896.04	3,510.0	
13	404	740.88	2,777.9	
14	430	393.01	1,385.5	
15	452	527.80	1,770.5	
16	471	534.52	1,718.3	
17	485	596.01	1,862.3	
18	507	729.13	2,178.0	
19	528	619.88	1,779.0	
20	547	435.31	1,206.1	
21	608	552.89	1,377.3	
22	671	364.63	823.1	
23	753	3,126.97	6,288.4	
24	2,554	26.27	15.6	
25	3,499	10.93	4.7	
26	4,868	6.51	2.0	

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-08-05\2014-08-05\_001.xad

Created: 8/5/2014 1:29:38 PM  
 Modified: 8/5/2014 2:13:00 PM

### Electropherogram Summary Continued ...

#### ... Peak table for sample 3 : JMS24 C Soni

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	5,450	5.82	1.6	
28	8,039	3.26	0.6	
29	10,380	75.00	10.9	Upper Marker

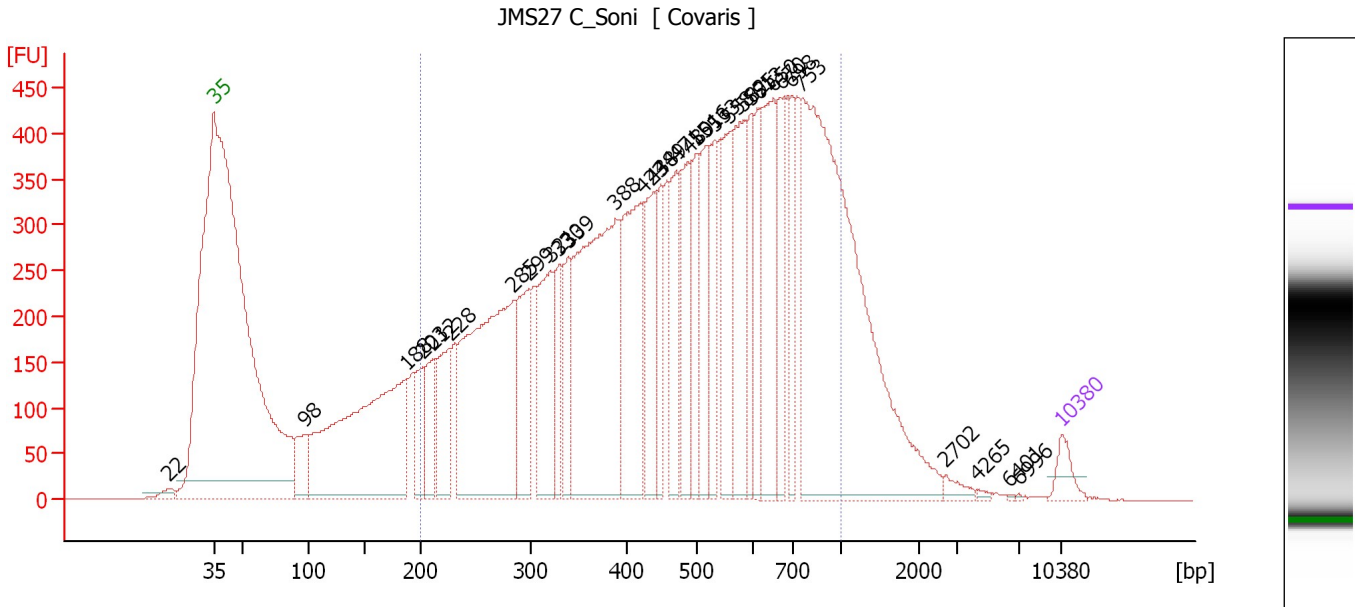
#### Region table for sample 3 : JMS24 C Soni

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	496	73,508.5	19,134.85	15,629.3	82	38.8

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-08-05\2014-08-05\_001.xad

Created: 8/5/2014 1:29:38 PM  
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**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : JMS27 C\_Soni**

Number of peaks found: 32                      Corr. Area 1: 14,037.3  
 Noise: 0.3

**Peak table for sample 4 : JMS27 C\_Soni**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	22	0.00	0.0	
2	35	125.00	5,411.3	Lower Marker
3	98	254.92	3,928.2	
4	188	2,020.75	16,262.2	
5	203	270.92	2,025.7	
6	212	325.67	2,324.1	
7	228	445.09	2,960.4	
8	285	1,842.14	9,796.4	
9	299	503.82	2,549.4	
10	321	612.07	2,890.8	
11	330	273.40	1,254.7	
12	339	353.44	1,577.4	
13	388	1,792.16	6,990.6	
14	423	858.20	3,073.0	
15	438	486.47	1,683.5	
16	449	280.14	946.1	
17	471	352.24	1,133.0	
18	489	403.43	1,250.5	
19	501	318.65	963.0	
20	516	386.69	1,135.2	
21	533	382.78	1,088.8	
22	558	422.35	1,147.7	
23	582	594.10	1,545.5	
24	595	309.13	786.8	
25	613	289.63	716.4	
26	650	659.44	1,536.4	

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-08-05\2014-08-05\_001.xad

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**Electropherogram Summary Continued ...**

**... Peak table for sample 4 : JMS27 C Soni**

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
27	670	346.21	783.0	
28	698	302.39	656.5	
29	753	2,923.07	5,880.5	
30	2,702	40.05	22.5	
31	4,265	10.43	3.7	
32	6,401	3.29	0.8	
33	6,996	2.61	0.6	
34	▶ 10,380	75.00	10.9	Upper Marker

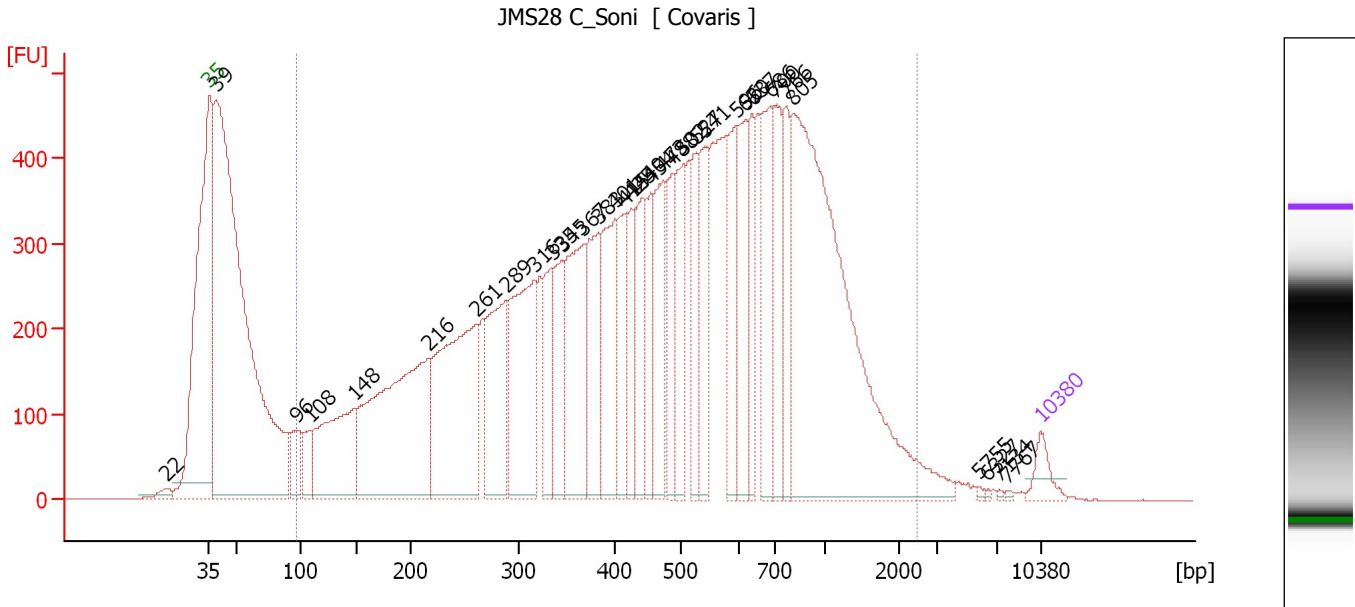
**Region table for sample 4 : JMS27 C Soni**

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	505	60,231.3	15,935.19	■ 14,037.3	81	38.6

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-08-05\2014-08-05\_001.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : JMS28 C\_Soni**

Number of peaks found: 34                      Corr. Area 1: 17,899.2  
 Noise: 0.3

**Peak table for sample 5 : JMS28 C\_Soni**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	22	0.00	0.0	
2	35	125.00	5,411.3	Lower Marker
3	39	5,249.05	204,962.9	
4	96	199.41	3,158.0	
5	108	173.93	2,440.6	
6	148	887.60	9,111.9	
7	216	1,698.54	11,939.6	
8	261	1,365.37	7,940.7	
9	289	729.63	3,829.3	
10	316	959.16	4,593.7	
11	335	327.77	1,482.9	
12	345	404.42	1,776.1	
13	367	735.06	3,030.9	
14	383	524.33	2,073.3	
15	401	584.00	2,207.5	
16	415	348.25	1,271.4	
17	425	273.50	974.4	
18	440	355.97	1,225.1	
19	454	320.03	1,067.0	
20	473	447.61	1,432.7	
21	488	353.11	1,097.3	
22	502	379.19	1,144.2	
23	527	358.36	1,031.1	
24	541	357.32	1,001.3	
25	596	407.78	1,036.3	
26	620	393.60	962.0	

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-08-05\2014-08-05\_001.xad

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 Modified: 8/5/2014 2:13:00 PM

**Electropherogram Summary Continued ...**

**... Peak table for sample 5 : JMS28 C Soni**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	637	273.61	650.7	
28	686	495.49	1,094.8	
29	700	390.67	845.5	
30	766	310.89	615.1	
31	805	2,515.21	4,733.2	
32	5,755	6.69	1.8	
33	6,327	5.35	1.3	
34	7,134	5.12	1.1	
35	7,767	5.87	1.1	
36	▶ 10,380	75.00	10.9	Upper Marker

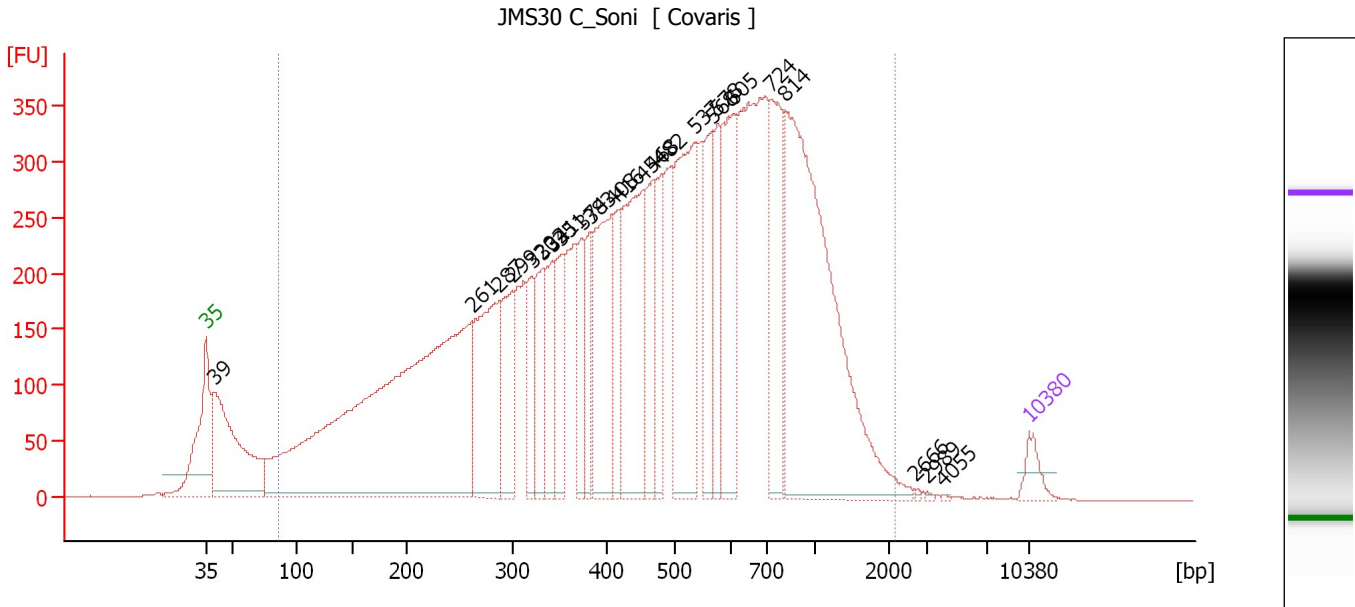
**Region table for sample 5 : JMS28 C Soni**

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. for Area	% of Total	Size distribution in CV [%]
96	2,455	561	83,630.4	18,233.63	■ 17,899.2	83	62.8

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-08-05\2014-08-05\_001.xad

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 Modified: 8/5/2014 2:13:00 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : JMS30 C\_Soni**

Number of peaks found: 24      Corr. Area 1: 13,508.0  
 Noise: 0.3

**Peak table for sample 6 : JMS30 C\_Soni**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	39	1,253.41	48,163.6	
3	261	4,059.38	23,526.3	
4	287	951.70	5,017.5	
5	299	454.51	2,300.4	
6	320	311.04	1,471.6	
7	332	370.61	1,690.5	
8	341	334.52	1,485.3	
9	351	378.50	1,631.8	
10	374	282.40	1,145.4	
11	383	262.55	1,038.1	
12	408	808.39	3,000.2	
13	416	272.35	991.5	
14	454	973.92	3,252.9	
15	468	418.55	1,355.2	
16	482	311.68	980.8	
17	537	1,025.86	2,895.4	
18	568	402.72	1,073.9	
19	578	293.43	769.6	
20	605	692.92	1,735.2	
21	724	647.12	1,354.2	
22	814	2,210.03	4,116.0	
23	2,666	5.53	3.1	
24	2,989	5.20	2.6	
25	4,055	3.54	1.3	
26	10,380	75.00	10.9	Upper Marker

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-08-05\2014-08-05\_001.xad

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**Electropherogram Summary Continued ...**

... Region table for sample 6 : JMS30 C. Soni

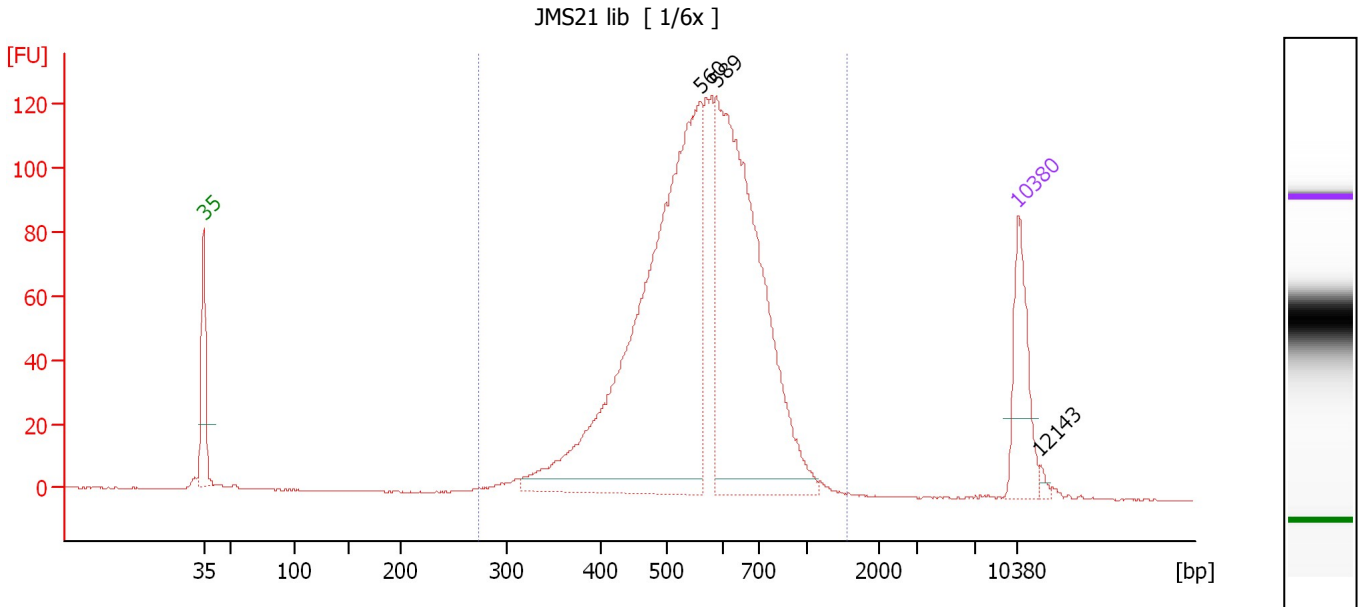
From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
85	2,153	539	89,620.1	19,238.97	 13,508.0	95	57.6



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-08-05\2014-08-05\_001.xad

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 Modified: 8/5/2014 2:13:00 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : JMS21 lib**

Number of peaks found: 3                      Corr. Area 1: 1,730.9  
 Noise: 0.1

**Peak table for sample 7 : JMS21 lib**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	560	777.50	2,102.3	
3	589	574.45	1,477.4	
4	10,380	75.00	10.9	Upper Marker
5	12,143	0.00	0.0	

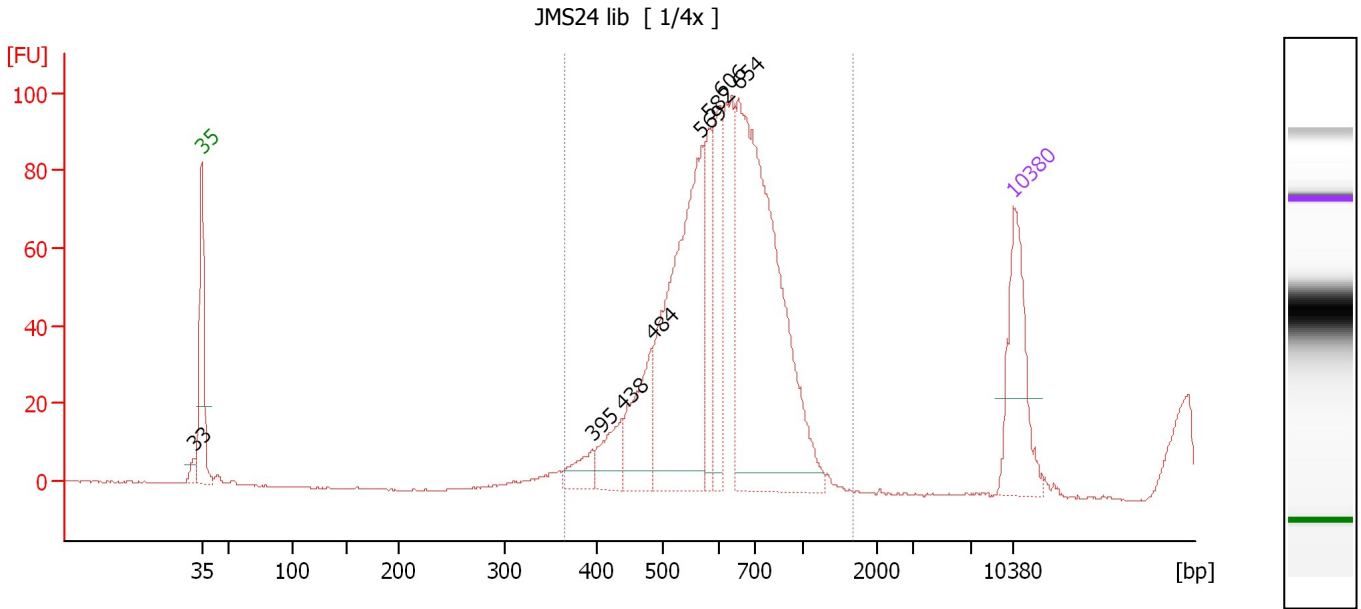
**Region table for sample 7 : JMS21 lib**

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
274	1,547	574	4,415.4	1,566.59	1,730.9	98	22.9

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-08-05\2014-08-05\_001.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : JMS24 lib**

Number of peaks found: 8                      Corr. Area 1: 897.0  
 Noise: 0.2

**Peak table for sample 8 : JMS24 lib**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	33	0.00	0.0	
2	35	125.00	5,411.3	Lower Marker
3	395	24.79	95.0	
4	438	39.25	135.9	
5	484	79.69	249.7	
6	569	278.16	740.6	
7	582	62.53	162.9	
8	606	89.75	224.5	
9	654	406.50	941.8	
10	10,380	75.00	10.9	Upper Marker

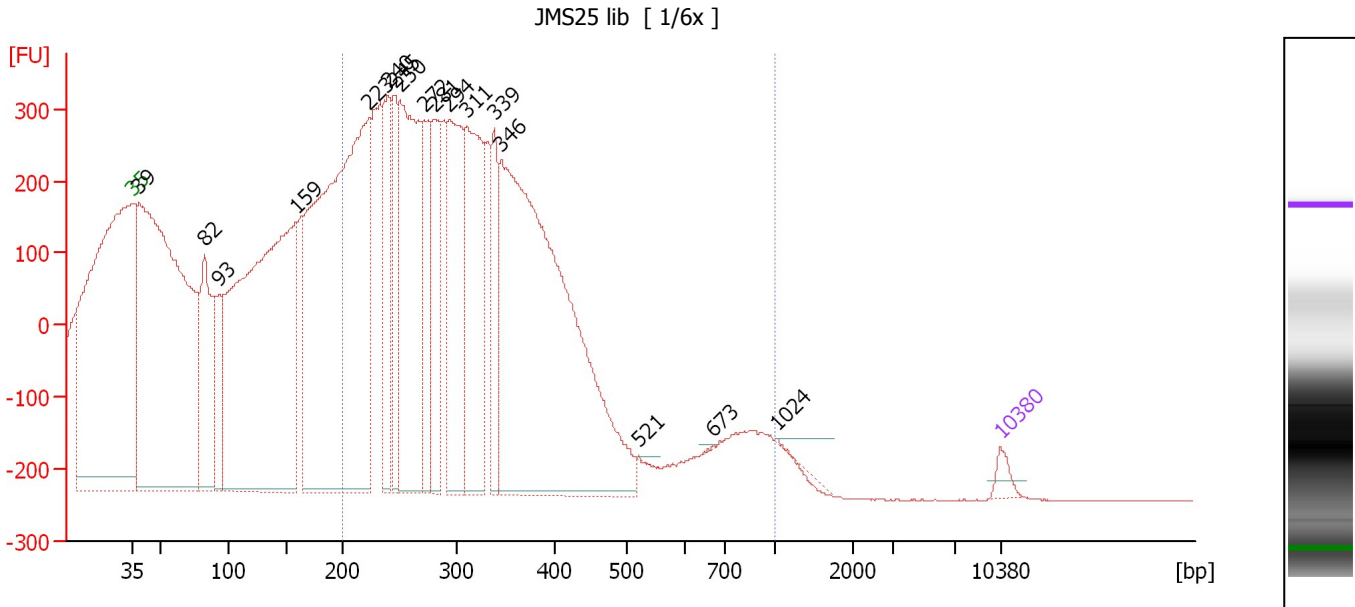
**Region table for sample 8 : JMS24 lib**

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
366	1,678	635	1,884.4	762.12	897.0	100	17.7

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-08-05\2014-08-05\_001.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 9 : JMS25 lib**

Number of peaks found: 17                      Corr. Area 1: 10,047.8  
 Noise: 0.4

**Peak table for sample 9 : JMS25 lib**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	39	9,564.65	375,122.4	
3	82	1,656.91	30,453.3	
4	93	728.57	11,860.2	
5	159	6,953.39	66,307.3	
6	223	6,988.44	47,481.9	
7	240	1,029.79	6,514.0	
8	245	826.01	5,114.1	
9	250	2,817.20	17,047.7	
10	272	779.29	4,339.3	
11	281	1,035.67	5,592.2	
12	294	1,666.25	8,578.6	
13	311	1,894.87	9,241.0	
14	339	657.91	2,944.2	
15	346	6,126.14	26,861.8	
16	521	1.71	5.0	
17	673	4.23	9.5	
18	1,025	2.71	4.0	
19	10,380	75.00	10.9	Upper Marker

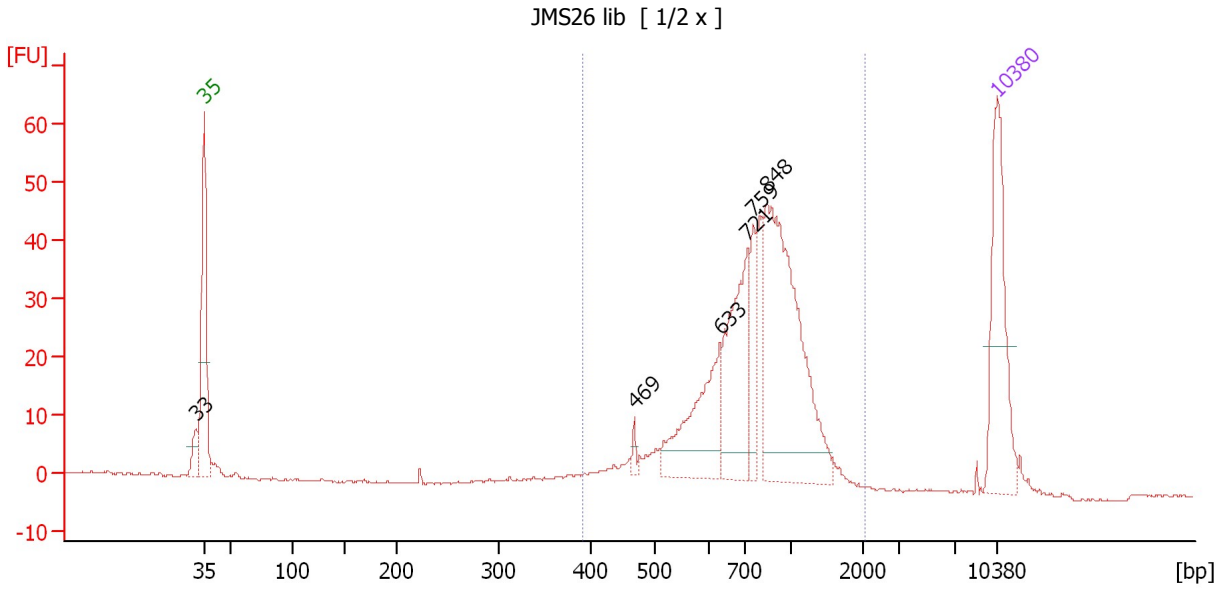
**Region table for sample 9 : JMS25 lib**

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	300	73,844.7	13,824.70	10,047.7	66	20.6

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-08-05\2014-08-05\_001.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 10 : JMS26 lib**

Number of peaks found: 6                      Corr. Area 1: 460.4  
 Noise: 0.2

**Peak table for sample 10 : JMS26 lib**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	33	0.00	0.0	
2	35	125.00	5,411.3	Lower Marker
3	469	5.04	16.3	
4	633	85.53	204.8	
5	721	100.47	211.1	
6	759	33.03	65.9	
7	848	206.90	369.5	
8	10,380	75.00	10.9	Upper Marker

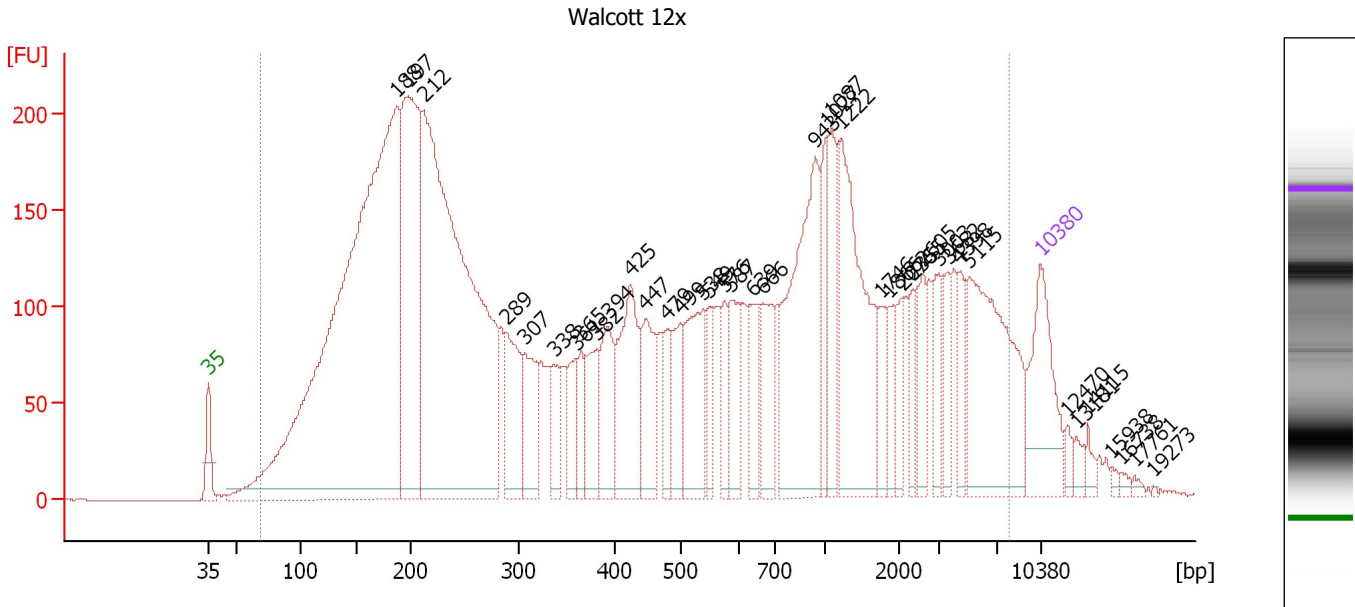
**Region table for sample 10 : JMS26 lib**

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
392	2,052	823	1,059.8	518.18	460.4	94	30.9

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-08-05\2014-08-05\_001.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 11 : Walcott 12x**

Number of peaks found: 40                      Corr. Area 1: 8,967.3  
 Noise: 0.2

**Peak table for sample 11 : Walcott 12x**


Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	188	1,217.79	9,828.8	
3	197	354.53	2,719.9	
4	212	867.93	6,201.2	
5	289	94.94	498.3	
6	307	74.20	366.5	
7	338	37.31	167.5	
8	361	41.02	172.4	
9	365	30.62	127.0	
10	382	60.22	238.9	
11	394	67.31	259.0	
12	425	123.76	441.7	
13	447	75.32	255.3	
14	479	33.70	106.7	
15	499	50.80	154.4	
16	538	94.61	266.5	
17	549	32.49	89.7	
18	576	31.71	83.5	
19	587	53.47	138.1	
20	639	44.91	106.6	
21	666	59.25	134.9	
22	943	201.42	323.5	
23	1,027	46.60	68.7	
24	1,087	58.91	82.1	
25	1,222	176.45	218.8	
26	1,746	25.73	22.3	

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-08-05\2014-08-05\_001.xad

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**Electropherogram Summary Continued ...**

**... Peak table for sample 11 : Walcott 12x**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	1,866	26.89	21.8	
28	2,076	21.89	16.0	
29	2,355	22.67	14.6	
30	2,605	34.57	20.1	
31	3,003	29.46	14.9	
32	3,682	26.00	10.7	
33	4,398	27.65	9.5	
34	5,115	159.15	47.1	
35	 10,380	75.00	10.9	Upper Marker
36	12,470	0.00	0.0	
37	13,181	0.00	0.0	
38	14,115	0.00	0.0	
39	15,938	0.00	0.0	
40	16,738	0.00	0.0	
41	17,761	0.00	0.0	
42	19,273	0.00	0.0	

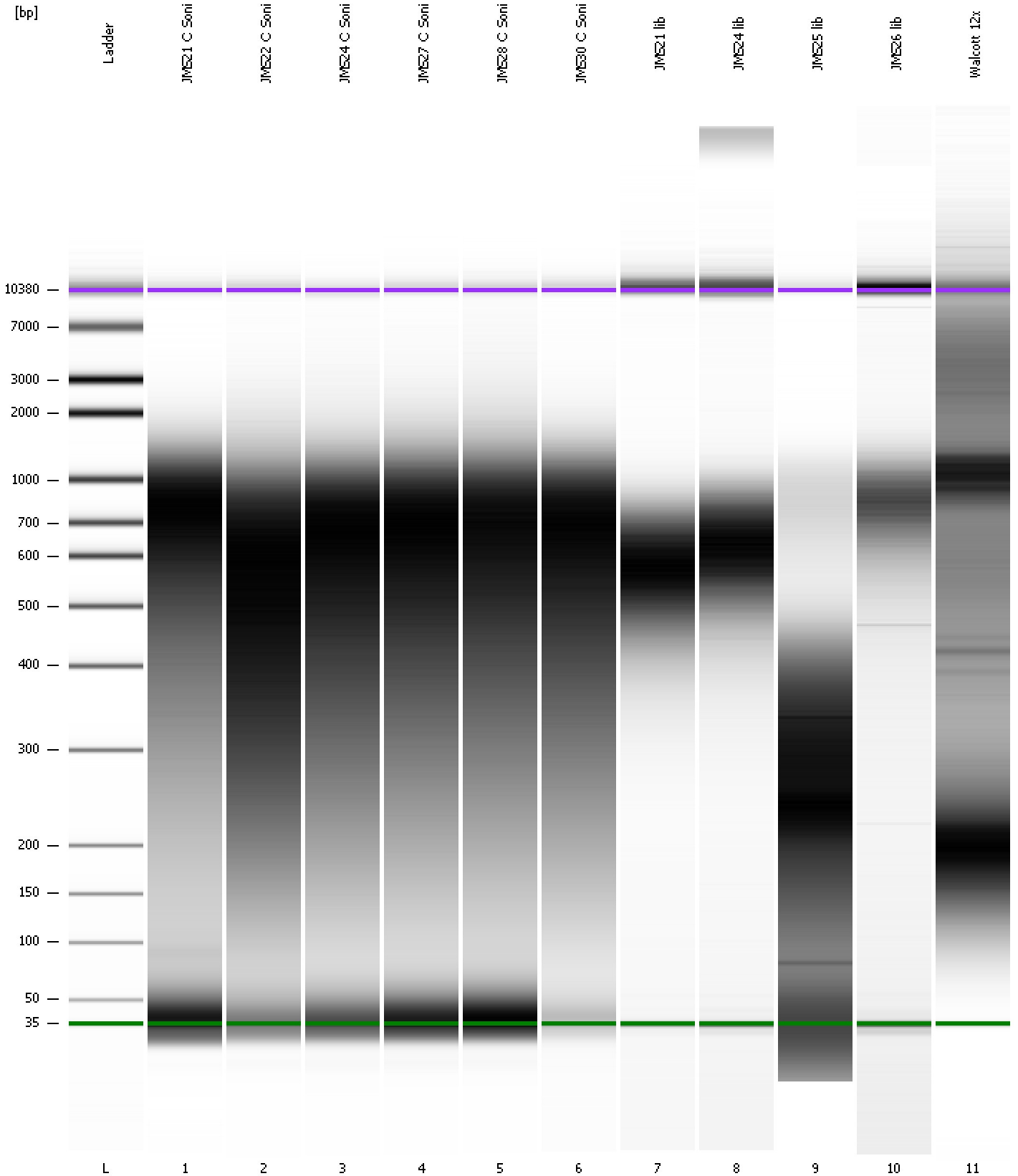
**Region table for sample 11 : Walcott 12x**

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. for Area	% of Total	Size distribution in CV [%]
69	7,883	1,075	27,537.2	4,651.23	 8,967.3	97	100.0

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-08-05\2014-08-05\_001.xad

Created: 8/5/2014 1:29:38 PM  
Modified: 8/5/2014 2:13:00 PM

**Gel Image**



Assay Class: High Sensitivity DNA Assay Created: 8/5/2014 1:29:38 PM  
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-08-05\2014-08-05\_001.xad Modified: 8/5/2014 2:13:00 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		8/5/2014 2:10:58 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\Data\2014-08-05\2014-08-05_001.xad)		Instrument	Run		8/5/2014 1:29:44 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		8/5/2014 1:29:44 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		8/5/2014 1:29:44 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		8/5/2014 1:29:44 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		8/5/2014 1:29:44 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		8/5/2014 1:29:44 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		8/5/2014 1:29:44 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1