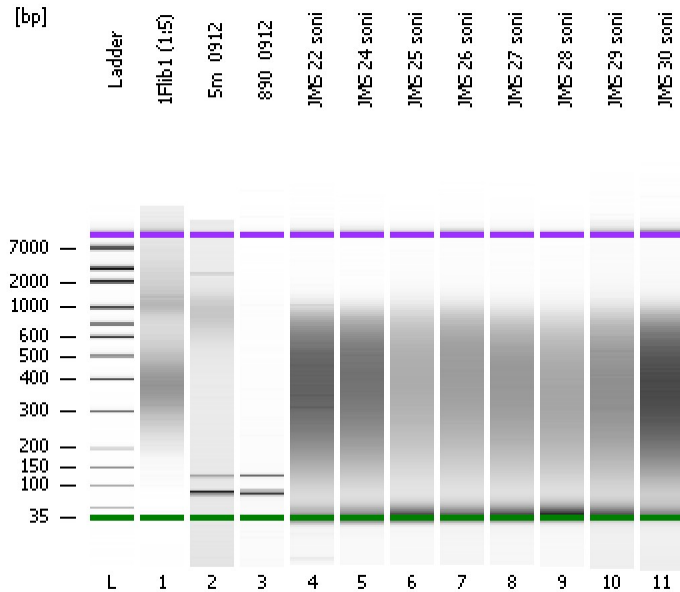


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-07-25\2014-07-25_002.xad

Created: 7/25/2014 11:22:43 AM
Modified: 7/25/2014 12:06:00 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

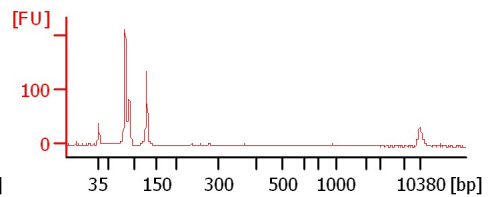
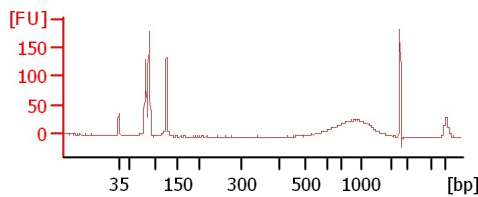
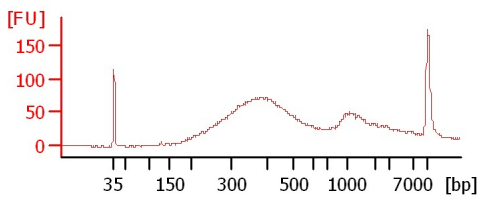
Chip Information:

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

1Flib1 (1:5)

5m_0912

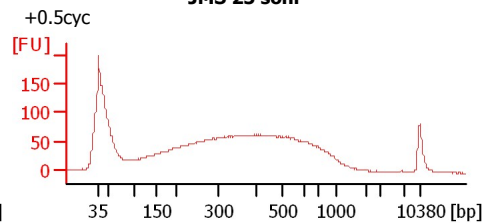
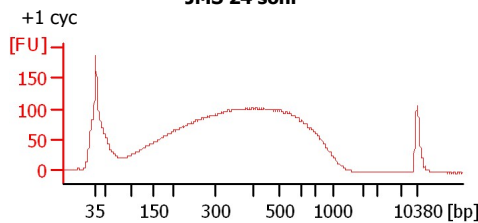
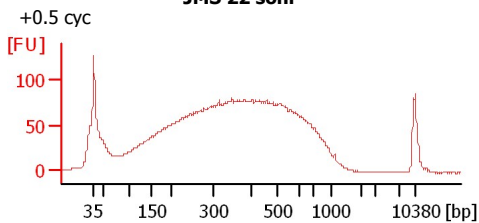
890_0912



JMS 22 soni

JMS 24 soni

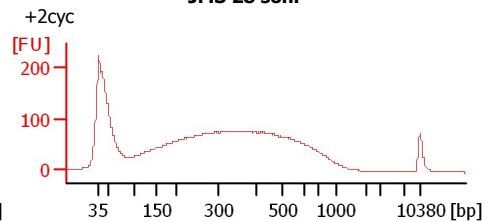
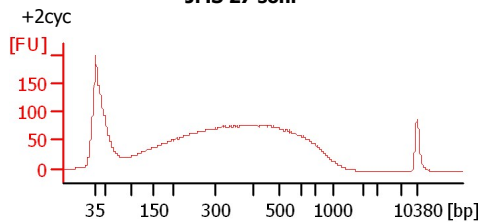
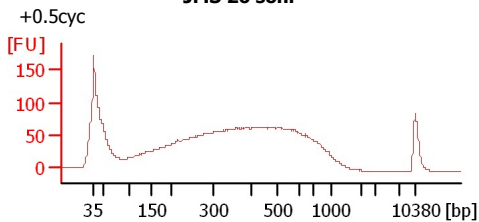
JMS 25 soni



JMS 26 soni

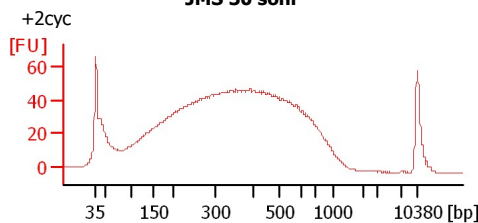
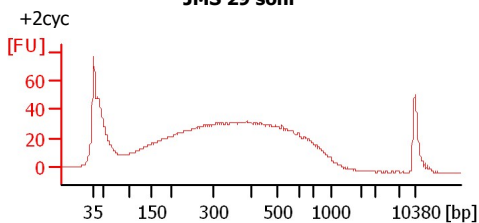
JMS 27 soni

JMS 28 soni



JMS 29 soni

JMS 30 soni



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-07-25\2014-07-25_002.xad

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 Modified: 7/25/2014 12:06:00 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
1Flib1 (1:5)		<input type="checkbox"/>	✓			
5m_0912		<input type="checkbox"/>	✓			
890_0912		<input type="checkbox"/>	✓			
JMS 22 soni	+0.5 cyc	<input type="checkbox"/>	✓			
JMS 24 soni	+1 cyc	<input type="checkbox"/>	✓			
JMS 25 soni	+0.5cyc	<input type="checkbox"/>	✓			
JMS 26 soni	+0.5cyc	<input type="checkbox"/>	✓			
JMS 27 soni	+2cyc	<input type="checkbox"/>	✓			
JMS 28 soni	+2cyc	<input type="checkbox"/>	✓			
JMS 29 soni	+2cyc	<input type="checkbox"/>	✓			
JMS 30 soni	+2cyc	<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\2014-07-25\2014-07-25_002.xad

Created: 7/25/2014 11:22:43 AM
Modified: 7/25/2014 12:06:00 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

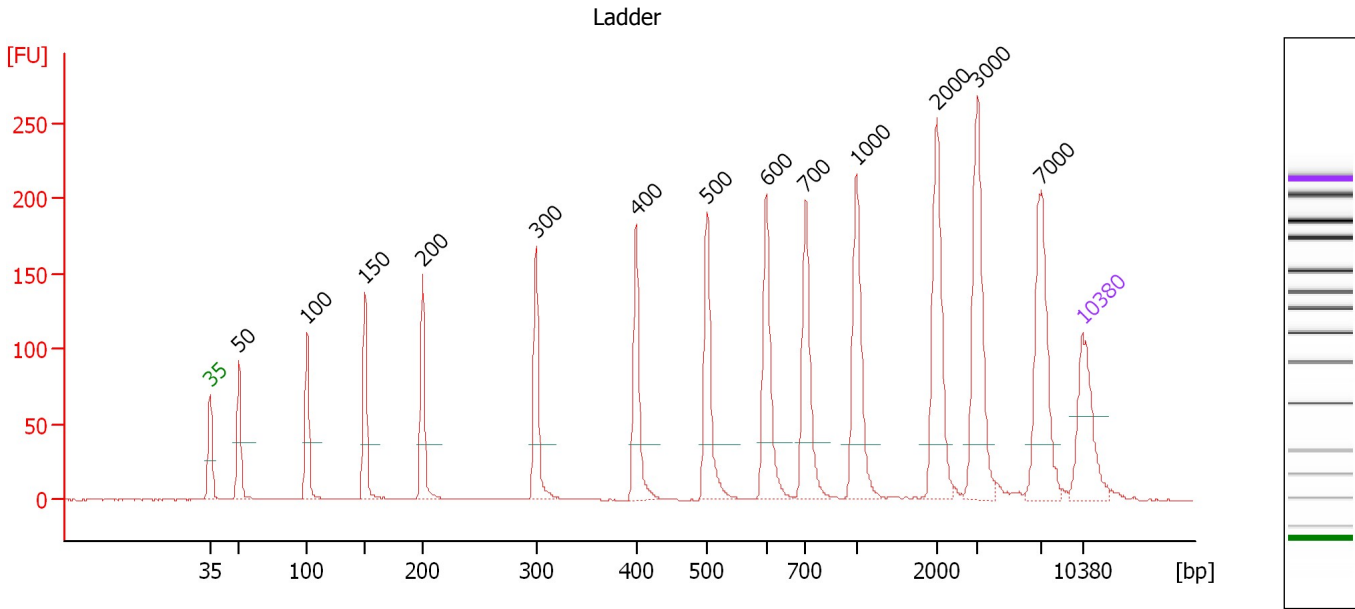
Ladder

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\2014-07-25\2014-07-25_002.xad

Created: 7/25/2014 11:22:43 AM
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Electropherogram Summary



Overall Results for Ladder

Noise: 0.1

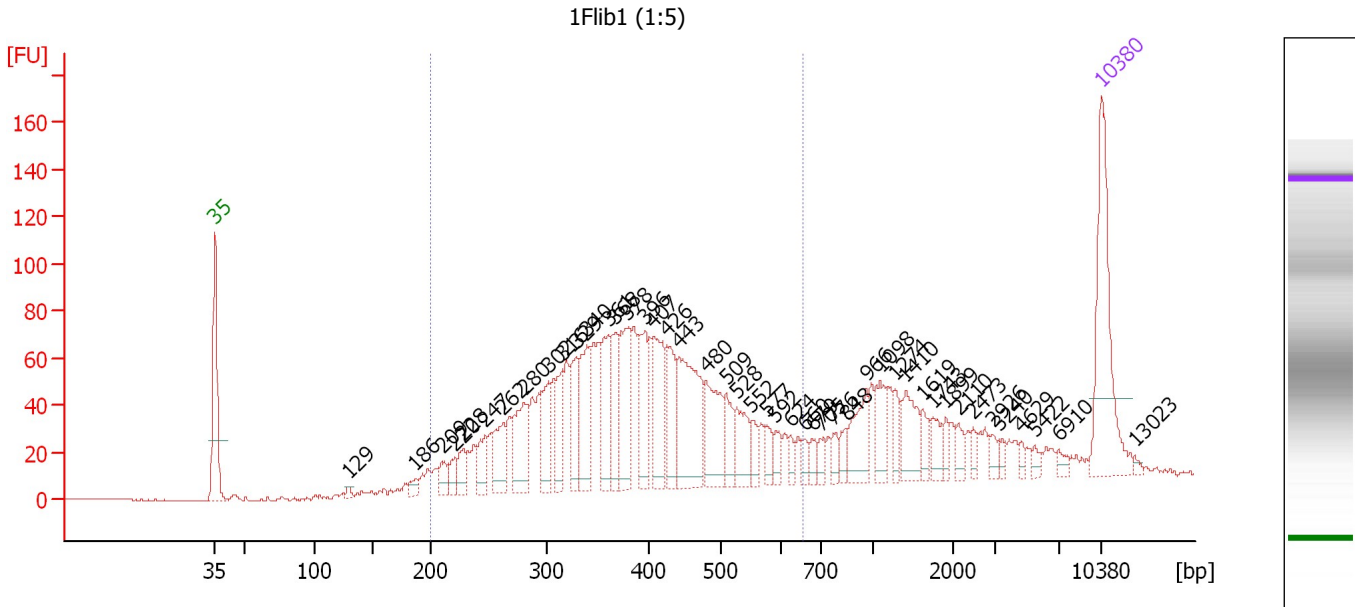
Peak table for Ladder

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:\... bioanalyzer\2100 expert\Data\2014-07-25\2014-07-25_002.xad

Created: 7/25/2014 11:22:43 AM
 Modified: 7/25/2014 12:06:00 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : 1Flib1 (1:5)

Number of peaks found: 46 Corr. Area 1: 1,613.6
 Noise: 0.2

Peak table for sample 1 : 1Flib1 (1:5)


Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	129	3.69	43.3	
3	186	8.36	68.1	
4	209	14.17	102.7	
5	220	12.05	83.1	
6	228	17.29	115.1	
7	247	22.54	138.5	
8	262	35.81	206.8	
9	280	53.64	289.8	
10	302	32.23	161.7	
11	316	32.24	154.8	
12	329	39.76	182.9	
13	340	50.87	226.9	
14	361	42.84	180.0	
15	368	38.08	156.8	
16	378	58.24	233.5	
17	396	42.42	162.2	
18	407	55.56	206.7	
19	426	38.59	137.3	
20	443	89.42	306.0	
21	480	49.31	155.5	
22	509	22.28	66.3	
23	528	29.04	83.3	
24	552	11.37	31.2	
25	577	12.13	31.9	
26	592	9.52	24.4	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-07-25\2014-07-25_002.xad

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 Modified: 7/25/2014 12:06:00 PM

Electropherogram Summary Continued ...

... Peak table for sample 1 : 1Flib1 (1:5)

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
27	624	7.30	17.7	
28	660	7.42	17.0	
29	679	7.38	16.5	
30	705	7.54	16.2	
31	776	8.33	16.3	
32	848	9.11	16.3	
33	966	29.61	46.4	
34	1,098	21.92	30.3	
35	1,274	10.95	13.0	
36	1,410	26.84	28.8	
37	1,619	10.76	10.1	
38	1,743	10.47	9.1	
39	1,899	6.97	5.6	
40	2,110	7.24	5.2	
41	2,473	5.20	3.2	
42	2,926	5.76	3.0	
43	3,240	4.36	2.0	
44	4,629	3.47	1.1	
45	5,422	4.47	1.2	
46	6,910	4.72	1.0	
47	 10,380	75.00	10.9	Upper Marker
48	13,023	0.00	0.0	

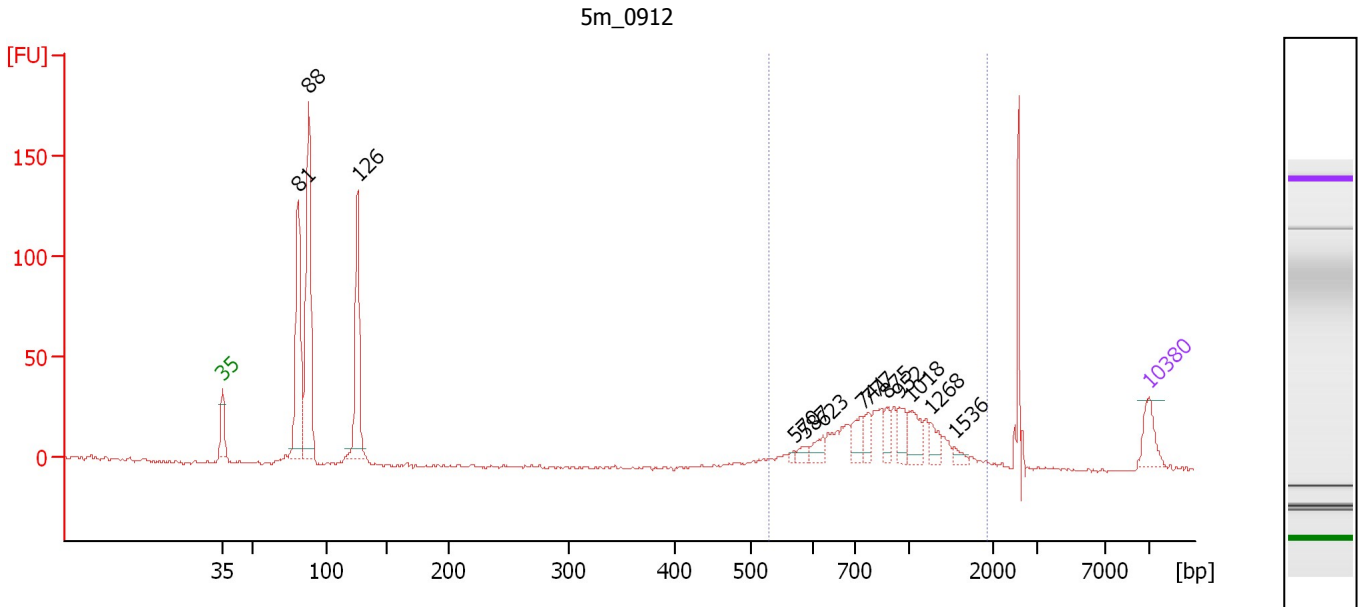
Region table for sample 1 : 1Flib1 (1:5)

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/µl]	Co Corr. for Area	% of Total	Size distribution in CV [%]
200	655	389	4,493.1	1,051.85	 1,613.6	75	25.0

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-07-25\2014-07-25_002.xad

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Electropherogram Summary Continued ...



Overall Results for sample 2 : 5m_0912

Number of peaks found: 13 Corr. Area 1: 300.6
 Noise: 0.8

Peak table for sample 2 : 5m_0912

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	81	683.04	12,806.3	
3	88	881.73	15,151.3	
4	126	501.71	6,038.6	
5	570	10.75	28.6	
6	587	29.75	76.7	
7	623	49.67	120.7	
8	741	75.26	153.9	
9	777	50.40	98.3	
10	875	53.29	92.3	
11	952	65.09	103.6	
12	1,018	93.93	139.8	
13	1,268	46.87	56.0	
14	1,536	21.05	20.8	
15	10,380	75.00	10.9	Upper Marker

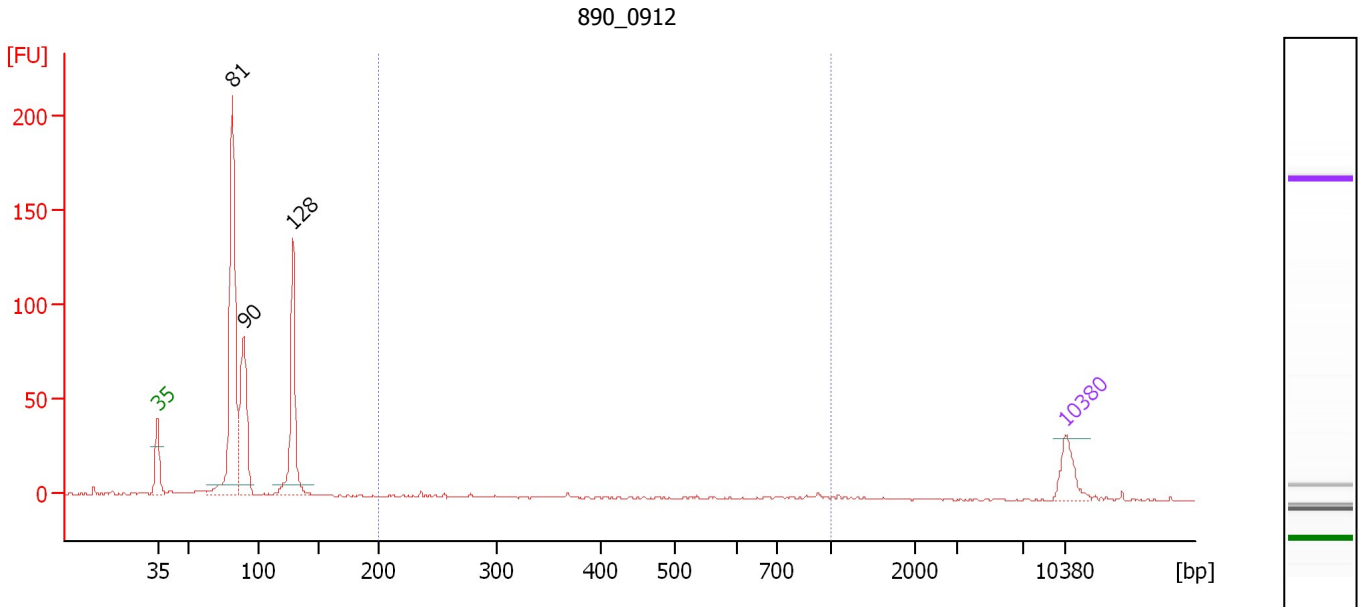
Region table for sample 2 : 5m_0912

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
530	1,929	930	1,654.4	915.85	300.6	39	31.9

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-07-25\2014-07-25_002.xad

Created: 7/25/2014 11:22:43 AM
 Modified: 7/25/2014 12:06:00 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : 890_0912

Number of peaks found: 3 Corr. Area 1: 1.8
 Noise: 0.5

Peak table for sample 3 : 890_0912

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	81	1,007.30	18,744.7	
3	90	451.07	7,636.3	
4	128	462.86	5,459.0	
5	10,380	75.00	10.9	Upper Marker

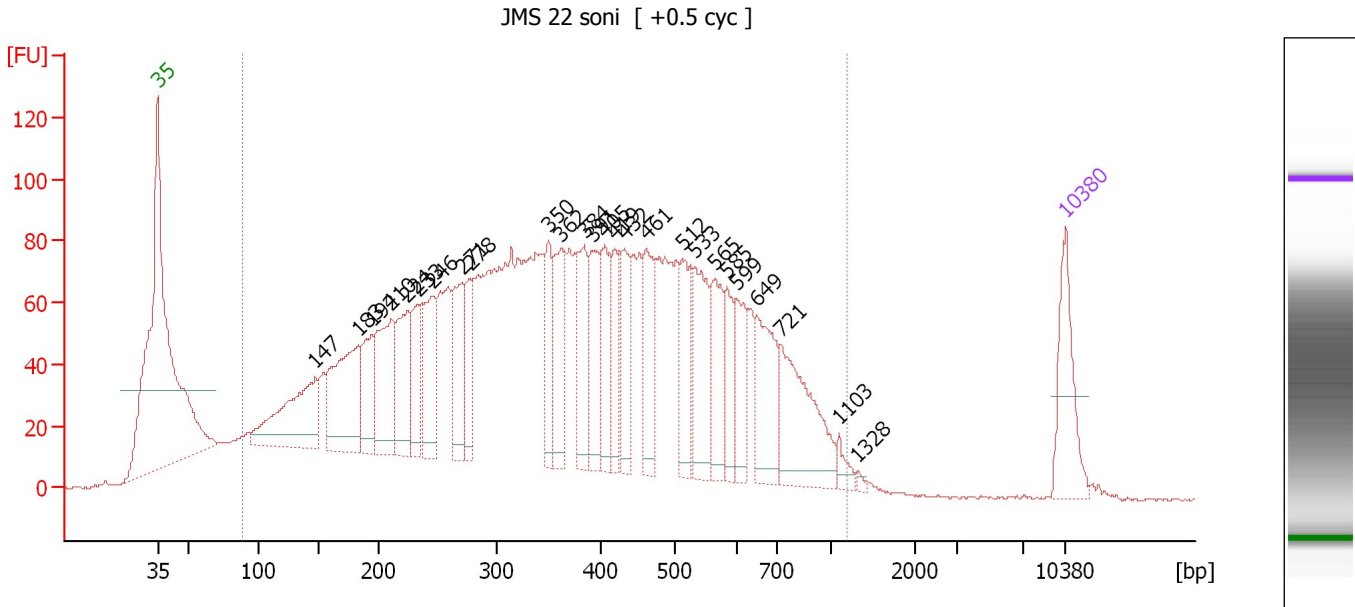
Region table for sample 3 : 890_0912

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	584	21.3	5.20	1.8	0	52.9

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-07-25\2014-07-25_002.xad

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Electropherogram Summary Continued ...



Overall Results for sample 4 : JMS 22 soni

Number of peaks found: 26 Corr. Area 1: 3,803.1
 Noise: 0.4

Peak table for sample 4 : JMS 22 soni

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	147	194.78	2,008.4	
3	183	195.68	1,622.1	
4	194	83.61	652.8	
5	210	157.26	1,132.1	
6	224	117.16	792.5	
7	233	84.81	551.5	
8	246	110.61	682.6	
9	271	99.33	556.3	
10	278	71.02	387.7	
11	350	71.52	309.8	
12	362	103.70	434.6	
13	384	90.72	358.4	
14	391	88.92	344.2	
15	405	78.56	294.1	
16	419	63.72	230.4	
17	432	67.91	238.3	
18	461	96.78	317.8	
19	512	85.94	254.3	
20	533	105.05	298.6	
21	565	82.48	221.4	
22	585	57.45	148.9	
23	599	65.78	166.4	
24	649	103.66	242.1	
25	721	150.94	317.3	
26	1,103	14.78	20.3	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-07-25\2014-07-25_002.xad

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Electropherogram Summary Continued ...**... Peak table for sample 4 : JMS 22 soni**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	1,328	3.63	4.1	
28	10,380	75.00	10.9	Upper Marker

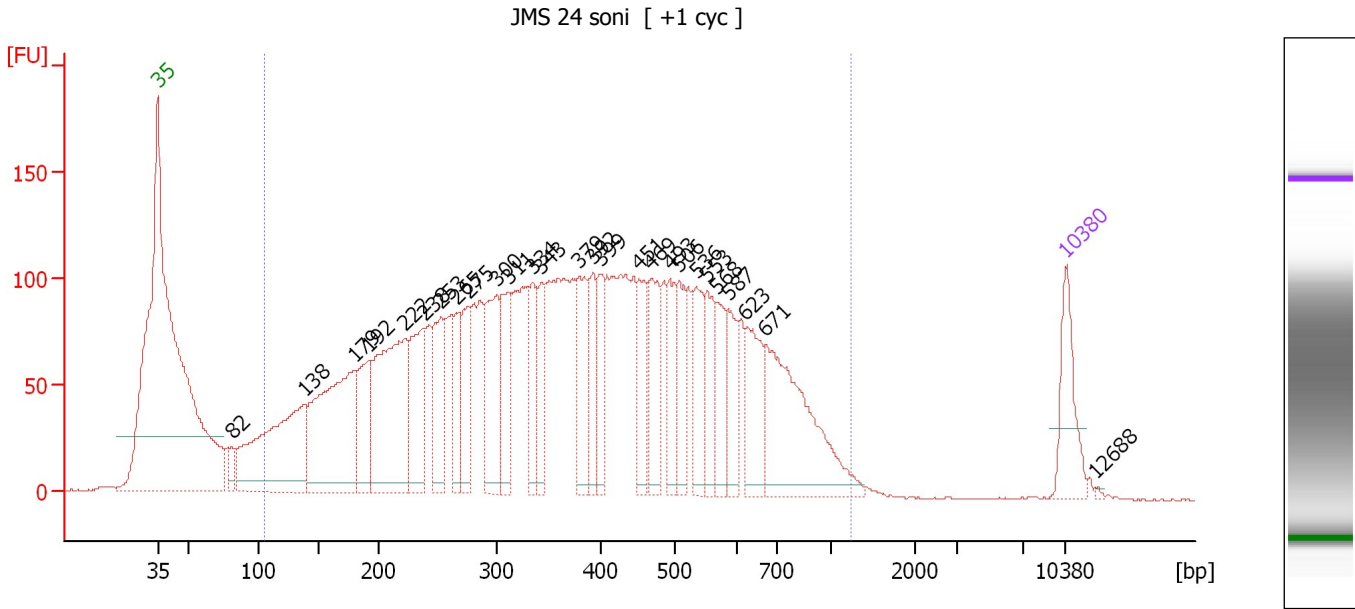
Region table for sample 4 : JMS 22 soni

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
89	1,200	395	25,377.7	4,502.60	3,803.1	97	47.6

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-07-25\2014-07-25_002.xad

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Electropherogram Summary Continued ...



Overall Results for sample 5 : JMS 24 soni

Number of peaks found: 27 Corr. Area 1: 4,796.7
 Noise: 0.2

Peak table for sample 5 : JMS 24 soni

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	82	34.71	644.8	
3	138	390.38	4,280.5	
4	179	389.79	3,302.4	
5	192	128.92	1,017.8	
6	222	354.38	2,424.0	
7	238	165.81	1,056.0	
8	253	133.99	803.1	
9	265	83.98	480.0	
10	275	109.83	604.3	
11	300	160.42	810.3	
12	311	122.13	595.1	
13	334	82.49	374.1	
14	343	81.36	359.7	
15	379	112.65	450.1	
16	392	75.43	291.6	
17	399	74.75	284.0	
18	451	86.05	288.8	
19	469	111.22	359.6	
20	493	82.69	254.1	
21	506	90.31	270.2	
22	536	93.92	265.6	
23	553	84.52	231.8	
24	568	70.65	188.4	
25	587	69.27	178.9	
26	623	104.13	253.3	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-07-25\2014-07-25_002.xad

Created: 7/25/2014 11:22:43 AM
Modified: 7/25/2014 12:06:00 PM

Electropherogram Summary Continued ...**... Peak table for sample 5 : JMS 24 soni**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	671	277.69	626.8	
28	10,380	75.00	10.9	Upper Marker
29	12,688	0.00	0.0	

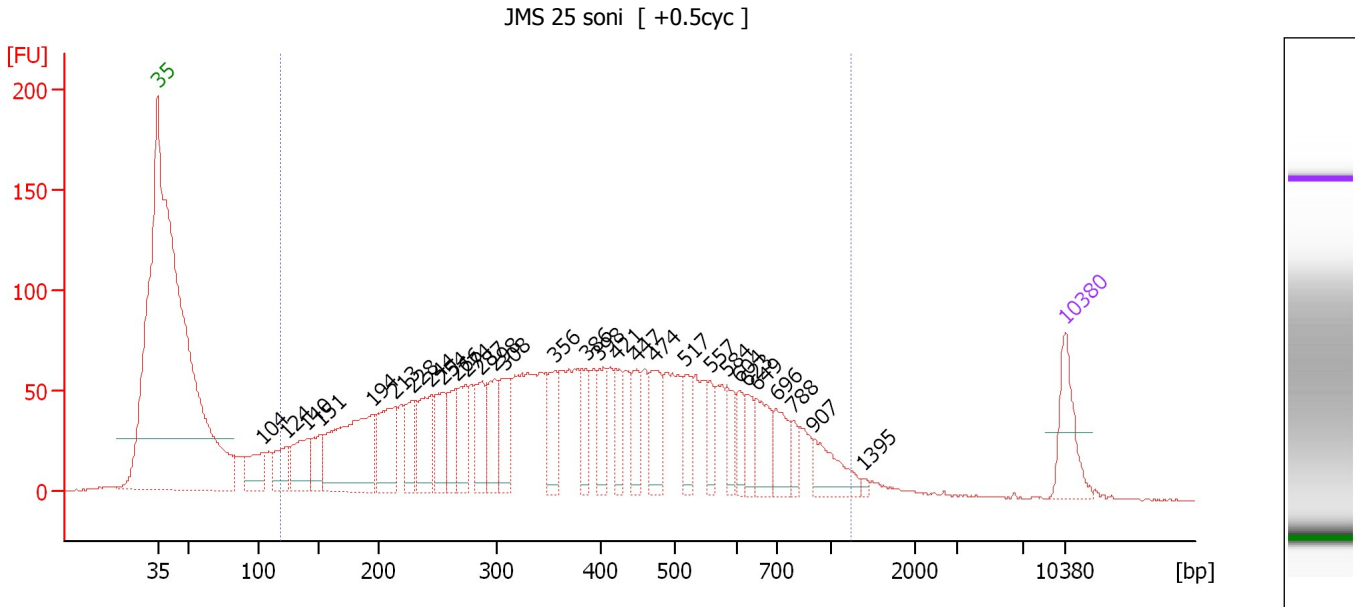
Region table for sample 5 : JMS 24 soni

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
105	1,239	401	25,510.6	4,758.52	4,796.7	96	46.3

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-07-25\2014-07-25_002.xad

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Electropherogram Summary Continued ...



Overall Results for sample 6 : JMS 25 soni

Number of peaks found: 30 Corr. Area 1: 2,924.2
 Noise: 0.2

Peak table for sample 6 : JMS 25 soni

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	104	91.30	1,331.6	
3	124	72.88	893.6	
4	140	112.98	1,220.6	
5	151	67.49	677.8	
6	194	320.54	2,501.1	
7	213	143.14	1,016.8	
8	228	82.30	547.3	
9	244	124.56	772.1	
10	254	85.06	506.7	
11	266	80.32	458.0	
12	274	86.43	477.8	
13	287	91.16	481.2	
14	298	91.02	462.1	
15	308	100.16	492.4	
16	356	81.52	347.3	
17	386	56.48	222.0	
18	398	67.83	258.0	
19	421	53.58	192.9	
20	447	60.19	203.8	
21	474	93.98	300.5	
22	517	57.95	169.7	
23	557	45.27	123.1	
24	584	46.50	120.7	
25	604	38.79	97.3	
26	623	37.63	91.5	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-07-25\2014-07-25_002.xad


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Electropherogram Summary Continued ...

... Peak table for sample 6 : JMS 25 soni

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	649	74.44	173.9	
28	696	61.52	133.9	
29	788	26.12	50.2	
30	907	69.34	115.9	
31	1,395	5.24	5.7	
32	10,380	75.00	10.9	Upper Marker

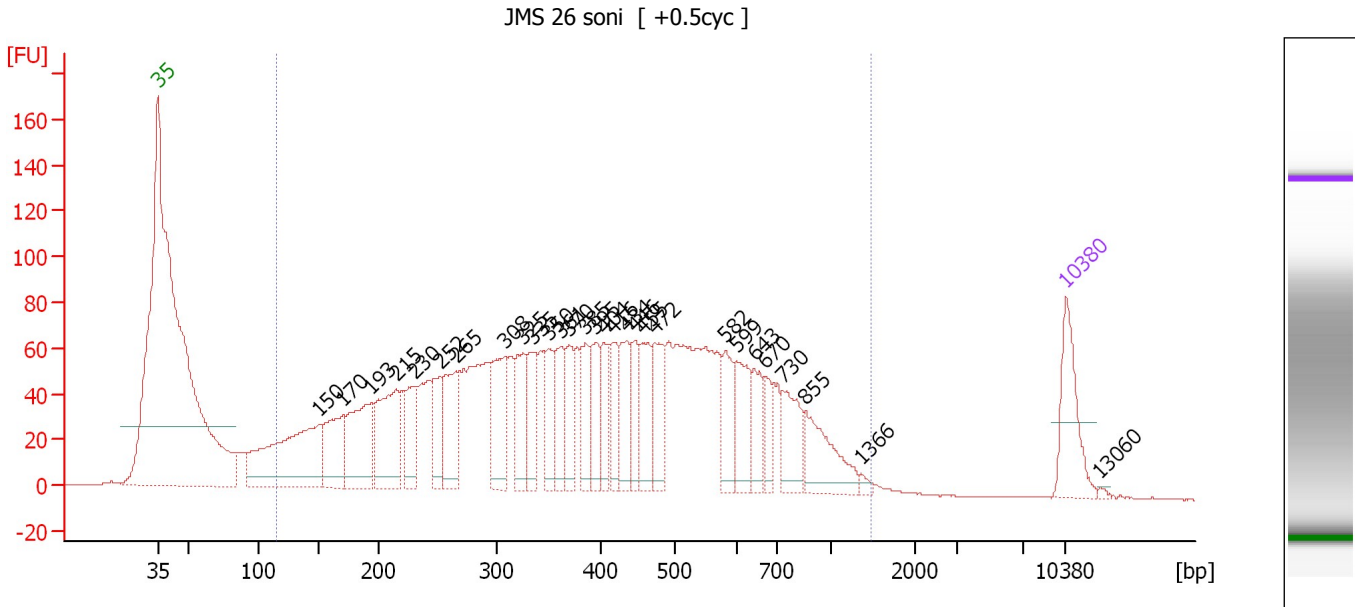
Region table for sample 6 : JMS 25 soni

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
119	1,245	413	17,886.2	3,457.19	 2,924.2	94	47.4

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-07-25\2014-07-25_002.xad

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Electropherogram Summary Continued ...



Overall Results for sample 7 : JMS 26 soni

Number of peaks found: 29 Corr. Area 1: 3,001.6
 Noise: 0.2

Peak table for sample 7 : JMS 26 soni

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	150	299.82	3,036.9	
3	170	120.38	1,073.6	
4	193	162.31	1,272.2	
5	215	165.79	1,168.8	
6	230	87.12	574.5	
7	252	69.16	416.6	
8	265	117.31	669.9	
9	308	115.06	566.9	
10	325	74.63	348.1	
11	335	74.31	336.0	
12	350	60.39	261.4	
13	361	76.37	320.2	
14	370	59.02	241.9	
15	385	65.88	259.1	
16	395	65.01	249.5	
17	404	56.43	211.8	
18	416	56.02	204.2	
19	434	75.40	263.1	
20	446	51.27	174.2	
21	455	77.55	258.1	
22	472	80.31	257.7	
23	582	60.99	158.7	
24	599	72.72	183.8	
25	643	52.68	124.1	
26	670	34.80	78.6	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-07-25\2014-07-25_002.xad

Created: 7/25/2014 11:22:43 AM
 Modified: 7/25/2014 12:06:00 PM

Electropherogram Summary Continued ...

... Peak table for sample 7 : JMS 26 soni

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	730	70.12	145.5	
28	855	88.39	156.7	
29	1,366	5.91	6.6	
30	10,380	75.00	10.9	Upper Marker
31	13,060	0.00	0.0	

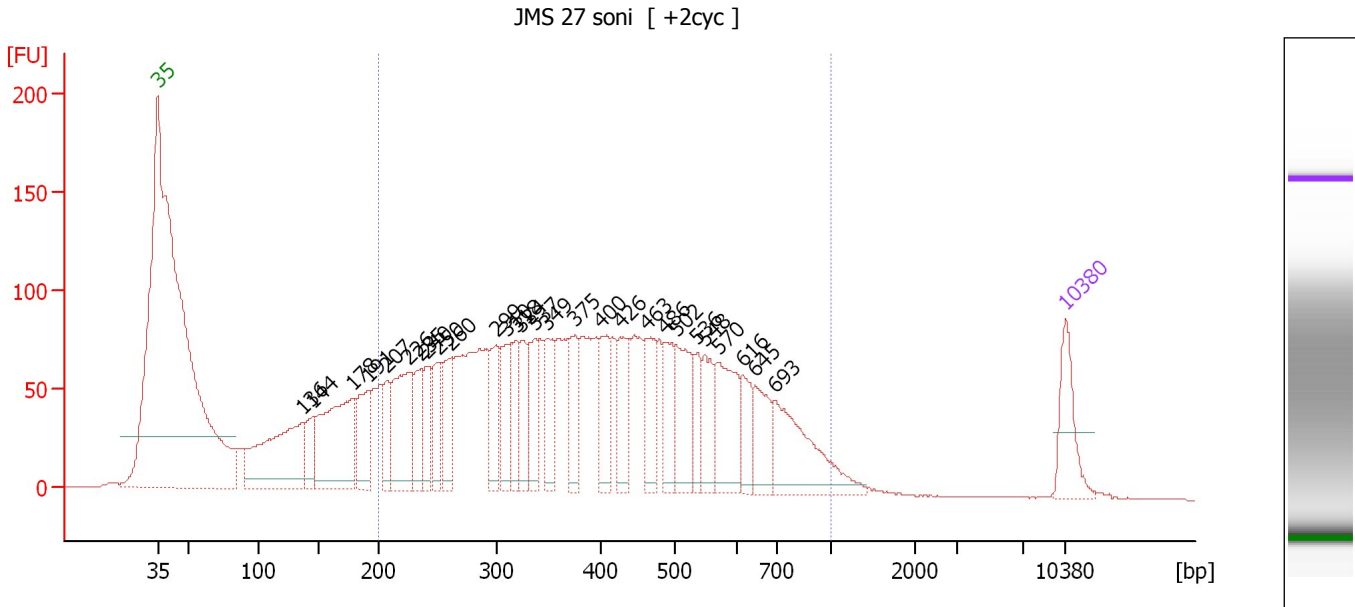
Region table for sample 7 : JMS 26 soni

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
115	1,476	425	16,573.0	3,248.20	3,001.6	96	49.4

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-07-25\2014-07-25_002.xad

Created: 7/25/2014 11:22:43 AM
 Modified: 7/25/2014 12:06:00 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : JMS 27 soni

Number of peaks found: 28 Corr. Area 1: 3,040.4
 Noise: 0.1

Peak table for sample 8 : JMS 27 soni

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	136	335.16	3,735.6	
3	144	65.00	682.6	
4	178	305.08	2,598.1	
5	191	124.84	989.9	
6	207	75.75	554.5	
7	226	206.14	1,383.4	
8	235	84.14	542.7	
9	240	85.60	539.8	
10	250	92.20	559.0	
11	260	105.12	612.4	
12	299	104.82	530.8	
13	310	97.82	478.1	
14	318	79.69	379.1	
15	324	84.80	396.7	
16	337	94.91	427.2	
17	349	87.34	379.5	
18	375	94.85	383.5	
19	400	111.12	420.7	
20	426	92.59	329.4	
21	463	95.15	311.7	
22	486	81.09	253.0	
23	502	125.99	380.1	
24	536	53.73	151.9	
25	548	78.50	216.9	
26	570	145.38	386.5	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-07-25\2014-07-25_002.xad

Created: 7/25/2014 11:22:43 AM
Modified: 7/25/2014 12:06:00 PM

Electropherogram Summary Continued ...**... Peak table for sample 8 : JMS 27 soni**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	616	59.05	145.2	
28	645	82.83	194.4	
29	693	188.33	411.7	
30	▶ 10,380	75.00	10.9	Upper Marker

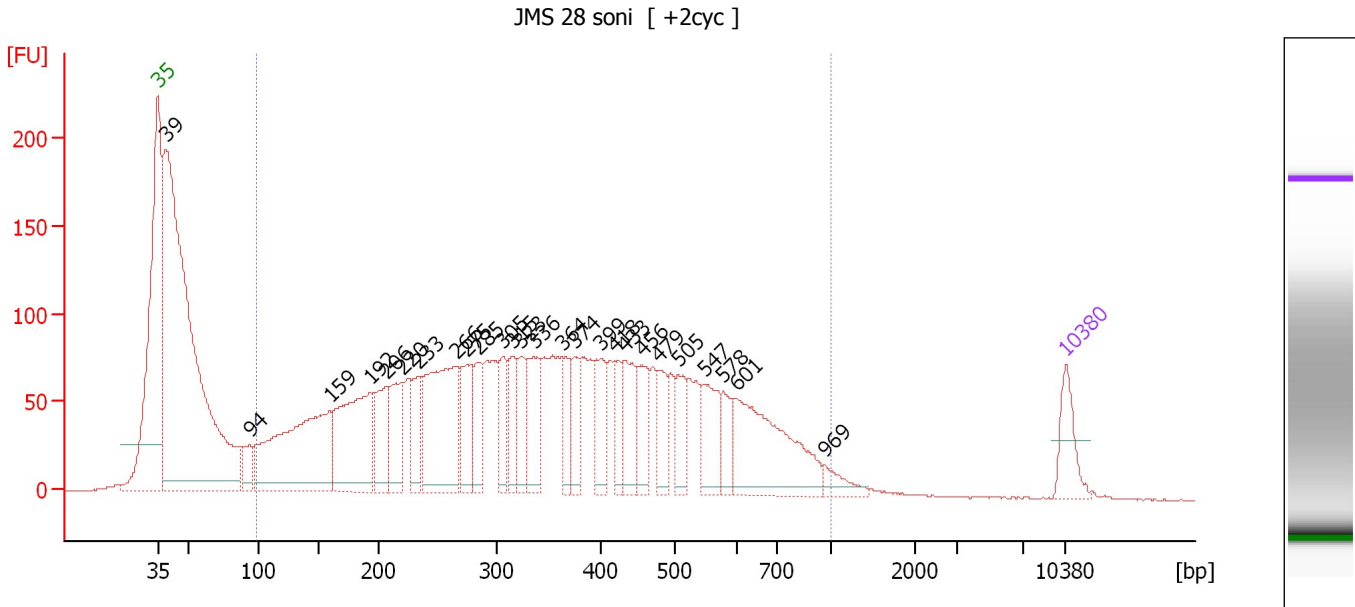
Region table for sample 8 : JMS 27 soni

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. for Area	% of Total	Size distribution in CV [%]
200	1,000	422	14,758.5	3,400.49	■ 3,040.4	80	37.7

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-07-25\2014-07-25_002.xad

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Electropherogram Summary Continued ...



Overall Results for sample 9 : JMS 28 soni

Number of peaks found: 26 Corr. Area 1: 3,675.7
 Noise: 0.2

Peak table for sample 9 : JMS 28 soni

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	39	2,177.35	84,300.0	
3	94	77.84	1,258.0	
4	159	654.84	6,243.4	
5	192	430.37	3,390.8	
6	206	163.84	1,207.0	
7	220	181.98	1,255.0	
8	233	108.59	705.5	
9	266	448.70	2,559.6	
10	275	140.32	773.7	
11	285	131.27	697.7	
12	305	106.96	531.3	
13	315	112.71	541.4	
14	323	103.40	484.6	
15	336	143.53	648.2	
16	364	87.55	364.3	
17	374	92.28	373.4	
18	399	110.60	419.5	
19	418	78.08	282.9	
20	433	128.64	450.3	
21	456	112.31	373.2	
22	479	89.90	284.2	
23	505	89.40	268.2	
24	547	126.95	351.4	
25	578	68.01	178.2	
26	601	345.71	870.8	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-07-25\2014-07-25_002.xad

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Electropherogram Summary Continued ...**... Peak table for sample 9 : JMS 28 soni**

Peak	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations
27	969	38.66	60.5	
28	▶ 10,380	75.00	10.9	Upper Marker

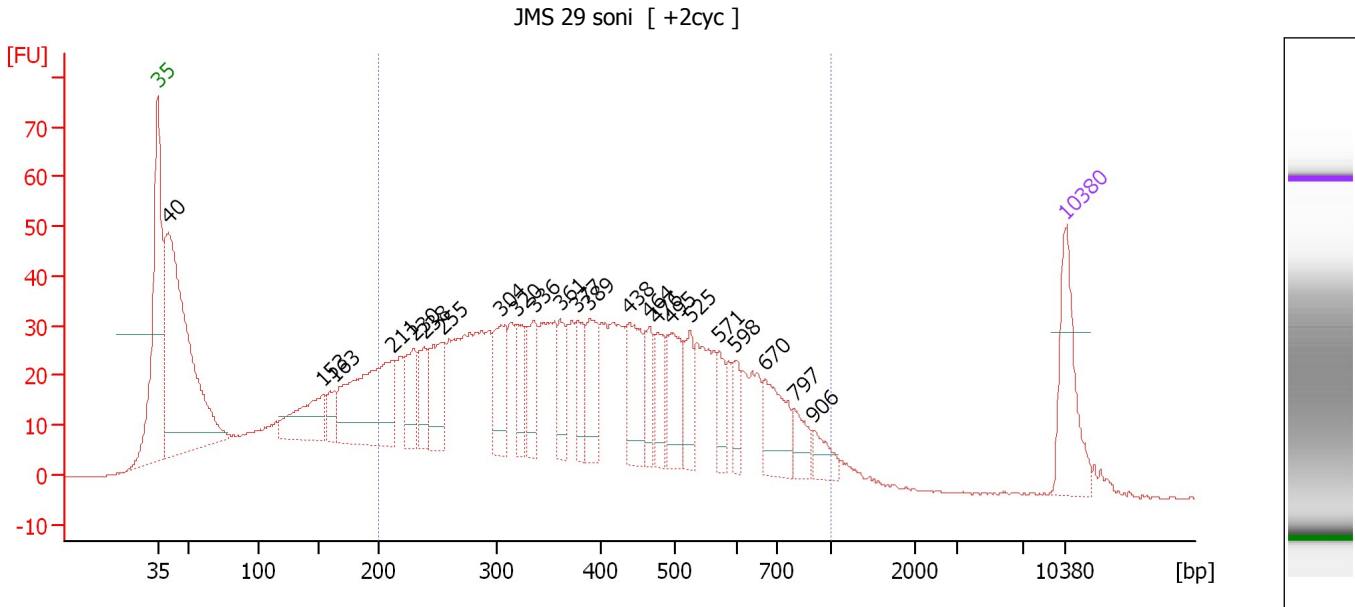
Region table for sample 9 : JMS 28 soni

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/ μ l]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
98	1,000	372	30,494.8	5,255.62	■ 3,675.7	75	46.1

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-07-25\2014-07-25_002.xad

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Electropherogram Summary Continued ...



Overall Results for sample 10 : JMS 29 soni

Number of peaks found: 23 Corr. Area 1: 1,253.7
 Noise: 0.1

Peak table for sample 10 : JMS 29 soni


Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	40	540.67	20,264.5	
3	153	92.33	917.4	
4	163	29.94	278.1	
5	211	211.28	1,519.5	
6	230	56.26	371.2	
7	238	51.54	327.7	
8	255	76.78	457.0	
9	304	72.79	362.3	
10	320	42.58	201.8	
11	336	54.55	246.3	
12	361	49.66	208.6	
13	377	45.58	183.1	
14	389	63.04	245.7	
15	438	78.00	269.5	
16	464	40.51	132.2	
17	476	34.10	108.6	
18	495	69.07	211.2	
19	525	41.41	119.6	
20	571	30.11	79.9	
21	598	27.40	69.4	
22	670	66.11	149.5	
23	797	26.97	51.3	
24	906	21.96	36.7	
25	10,380	75.00	10.9	Upper Marker

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-07-25\2014-07-25_002.xad

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Electropherogram Summary Continued ...

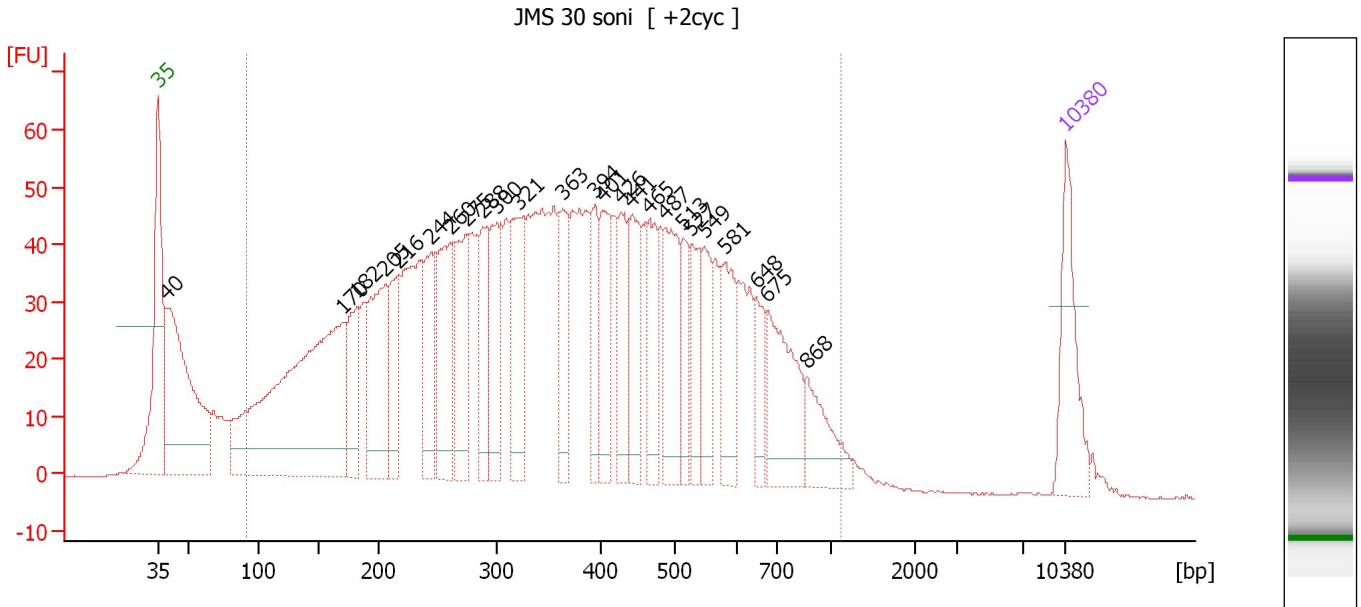
... Region table for sample 10 : JMS 29 soni

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	421	9,512.0	2,181.08	 1,253.7	67	38.5

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-07-25\2014-07-25_002.xad

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Electropherogram Summary Continued ...



Overall Results for sample 11 : JMS 30 soni

Number of peaks found: 25 Corr. Area 1: 2,207.7
 Noise: 0.1

Peak table for sample 11 : JMS 30 soni

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	40	349.46	13,402.8	
3	170	572.82	5,096.4	
4	182	92.14	768.9	
5	205	162.35	1,198.4	
6	216	89.86	629.8	
7	244	99.39	617.0	
8	260	148.86	865.9	
9	275	116.08	639.1	
10	288	89.20	468.8	
11	300	99.23	500.5	
12	321	119.13	562.8	
13	363	80.86	337.3	
14	394	70.96	272.8	
15	401	88.19	333.0	
16	426	76.55	272.5	
17	441	87.96	302.0	
18	465	76.57	249.6	
19	487	109.30	339.7	
20	513	49.48	146.1	
21	527	58.26	167.6	
22	549	55.28	152.7	
23	581	76.23	198.8	
24	648	42.88	100.2	
25	675	117.08	262.9	
26	868	62.52	109.1	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-07-25\2014-07-25_002.xad

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Electropherogram Summary Continued ...**... Peak table for sample 11 : JMS 30 soni**

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

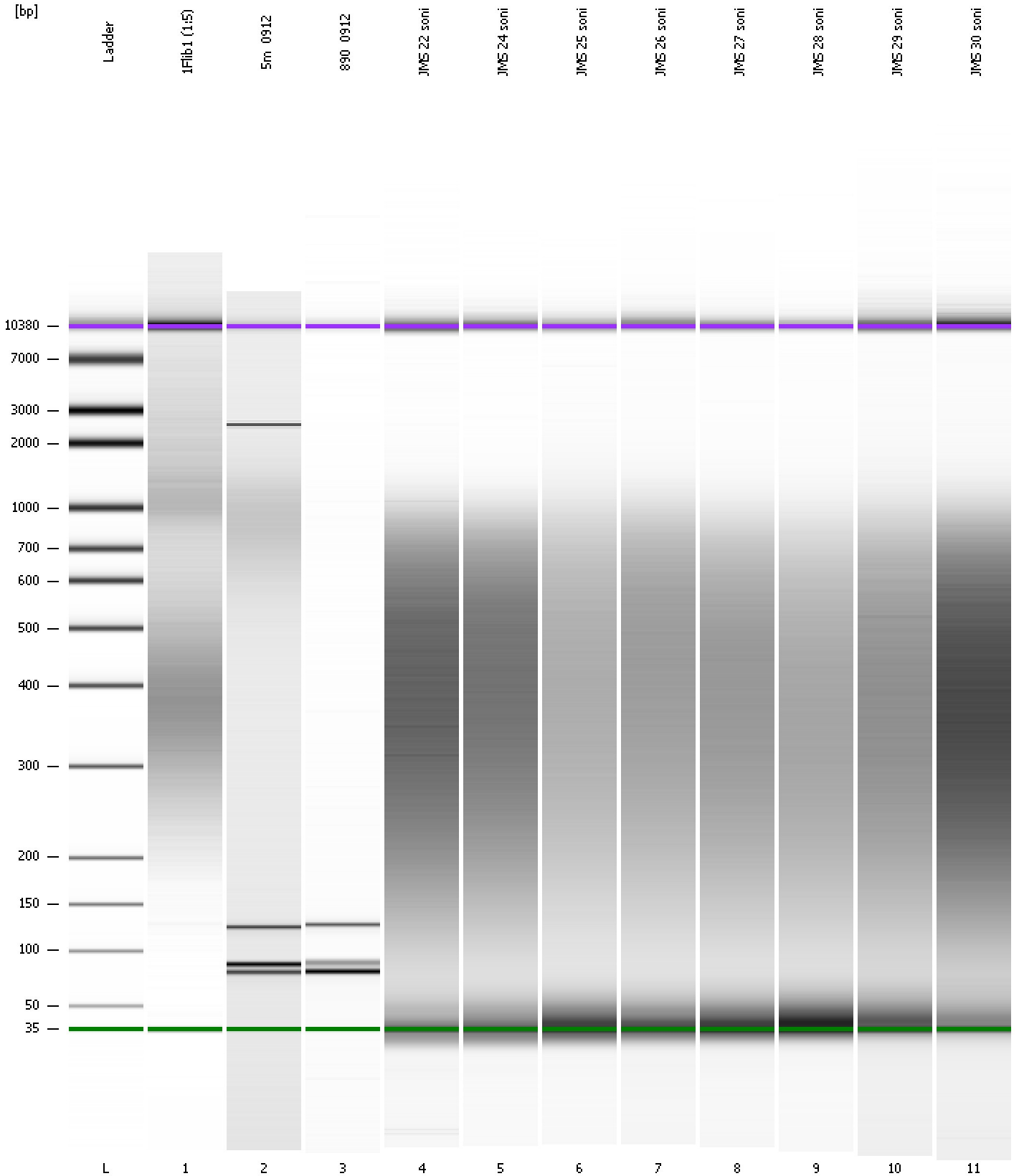
Region table for sample 11 : JMS 30 soni

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/ μ l]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
91	1,139	386	21,940.3	3,849.77	2,207.7	91	47.3

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-07-25\2014-07-25_002.xad

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Gel Image



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-07-25\2014-07-25_002.xad

Created: 7/25/2014 11:22:43 AM
 Modified: 7/25/2014 12:06:00 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		7/25/2014 12:03:10 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\2014-07-25\2014-07-25_002.xad)		Instrument	Run		7/25/2014 11:22:49 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		7/25/2014 11:22:49 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		7/25/2014 11:22:49 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		7/25/2014 11:22:48 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		7/25/2014 11:22:48 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		7/25/2014 11:22:48 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		7/25/2014 11:22:48 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1