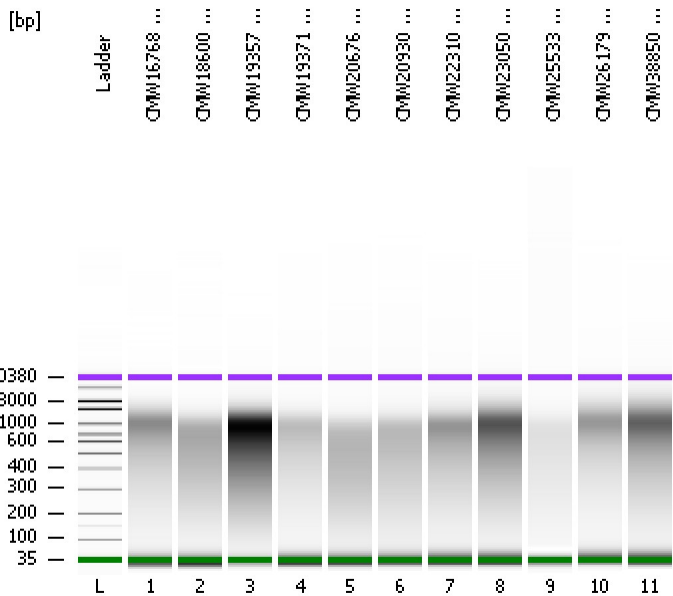


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-08\2014-05-08_001.xad

Created: 5/8/2014 7:38:48 AM
Modified: 5/8/2014 8:31:29 AM

Electrophoresis File Run Summary



Instrument Information:

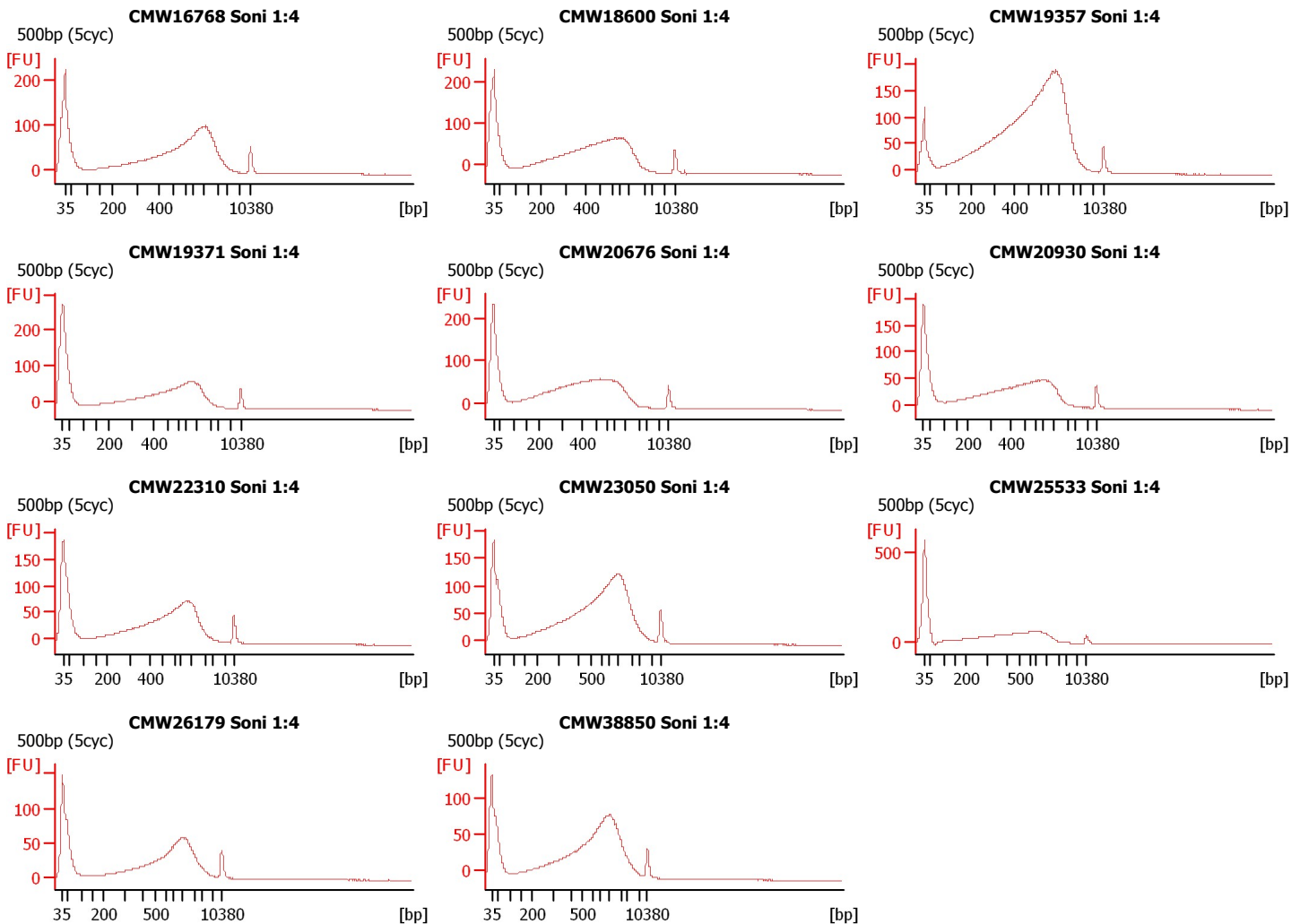
Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\dsDNA\High Sensitivity DNA.xsy
Assay Class: High Sensitivity DNA Assay
Version: 1.03
Assay Comments: Copyright © 2003-2010 Agilent Technologies

Chip Information:

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



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

Created: 5/8/2014 7:38:48 AM
Modified: 5/8/2014 8:31:29 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
CMW16768 Soni 1:4	500bp (5cyc)	<input type="checkbox"/>				
CMW18600 Soni 1:4	500bp (5cyc)	<input type="checkbox"/>				
CMW19357 Soni 1:4	500bp (5cyc)	<input type="checkbox"/>				
CMW19371 Soni 1:4	500bp (5cyc)	<input type="checkbox"/>				
CMW20676 Soni 1:4	500bp (5cyc)	<input type="checkbox"/>				
CMW20930 Soni 1:4	500bp (5cyc)	<input type="checkbox"/>				
CMW22310 Soni 1:4	500bp (5cyc)	<input type="checkbox"/>				
CMW23050 Soni 1:4	500bp (5cyc)	<input type="checkbox"/>				
CMW25533 Soni 1:4	500bp (5cyc)	<input type="checkbox"/>				
CMW26179 Soni 1:4	500bp (5cyc)	<input type="checkbox"/>				
CMW38850 Soni 1:4	500bp (5cyc)	<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\2014-05-08\2014-05-08_001.xad

Created: 5/8/2014 7:38:48 AM
Modified: 5/8/2014 8:31:29 AM

Electrophoresis Assay Details

General Analysis Settings

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

Integrator Settings

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

Filter Settings

Filter Width [s] : 0.5
Polynomial Order : 4

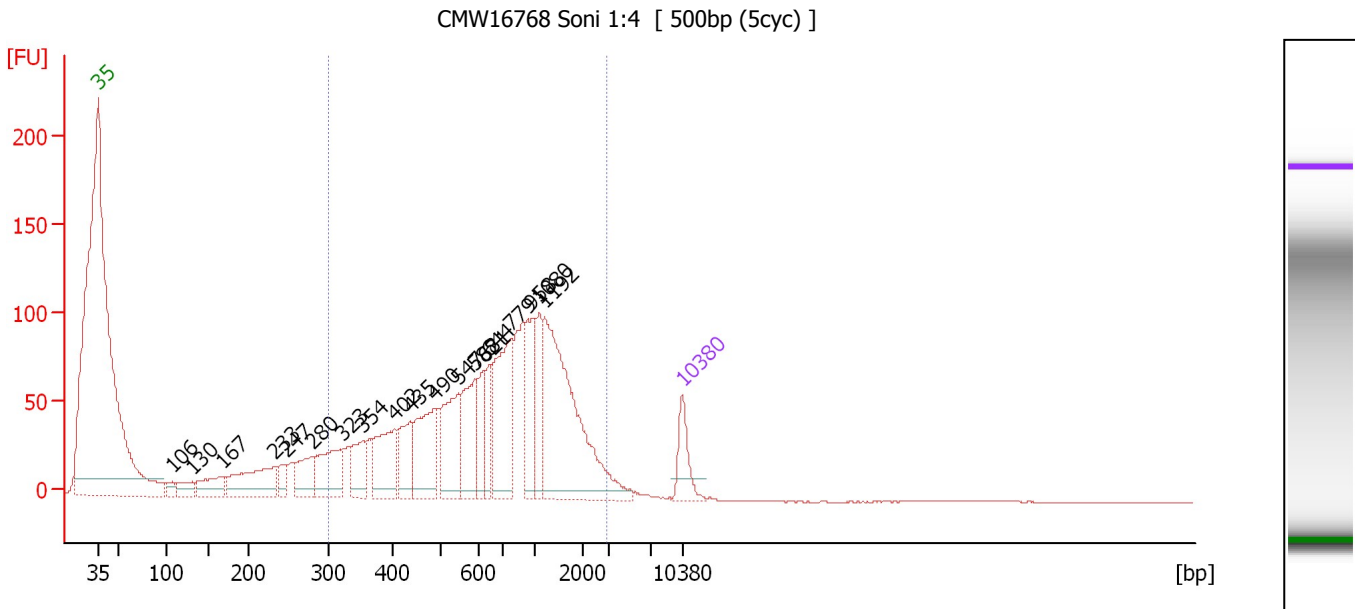
Ladder

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

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

Created: 5/8/2014 7:38:48 AM
 Modified: 5/8/2014 8:31:29 AM

Electropherogram Summary



Overall Results for sample 1 : CMW16768 Soni 1:4

Number of peaks found: 19 Corr. Area 1: 1,702.8
 Noise: 0.1

Peak table for sample 1 : CMW16768 Soni 1:4

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	106	33.67	479.6	
3	130	61.86	721.0	
4	167	115.21	1,042.5	
5	233	237.88	1,548.4	
6	247	55.98	343.3	
7	280	121.51	658.3	
8	323	195.82	919.2	
9	354	117.85	503.8	
10	402	199.59	752.1	
11	435	134.69	469.1	
12	490	231.88	717.5	
13	547	224.21	621.4	
14	588	199.73	514.6	
15	621	88.65	216.2	
16	644	94.10	221.4	
17	779	304.34	592.0	
18	958	154.02	243.7	
19	1,080	117.45	164.7	
20	1,192	574.40	730.2	
21	10,380	75.00	10.9	Upper Marker

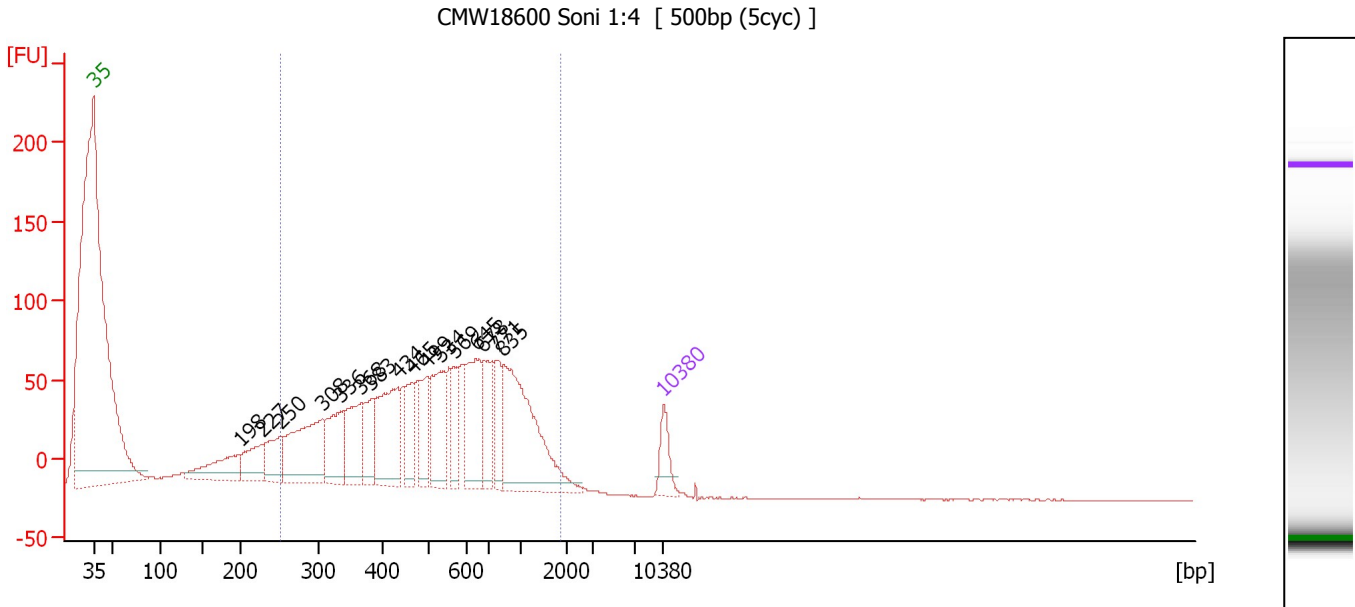
Region table for sample 1 : CMW16768 Soni 1:4

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
302	2,921	881	5,570.0	2,325.44	1,702.8	94	55.6	Blue

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

Created: 5/8/2014 7:38:48 AM
 Modified: 5/8/2014 8:31:29 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 : CMW18600 Soni 1:4

Number of peaks found: 16 Corr. Area 1: 793.3
 Noise: 0.2

Peak table for sample 2 : CMW18600 Soni 1:4

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	198	231.72	1,773.5	
3	227	175.43	1,170.3	
4	250	169.62	1,027.6	
5	308	443.57	2,184.0	
6	336	233.61	1,053.5	
7	368	224.79	926.6	
8	383	161.56	639.9	
9	434	380.72	1,329.9	
10	465	139.96	455.8	
11	499	153.42	465.8	
12	534	263.71	748.2	
13	569	111.01	295.4	
14	645	286.46	673.0	
15	678	167.67	375.0	
16	771	126.35	248.3	
17	835	561.60	1,018.7	
18	10,380	75.00	10.9	Upper Marker

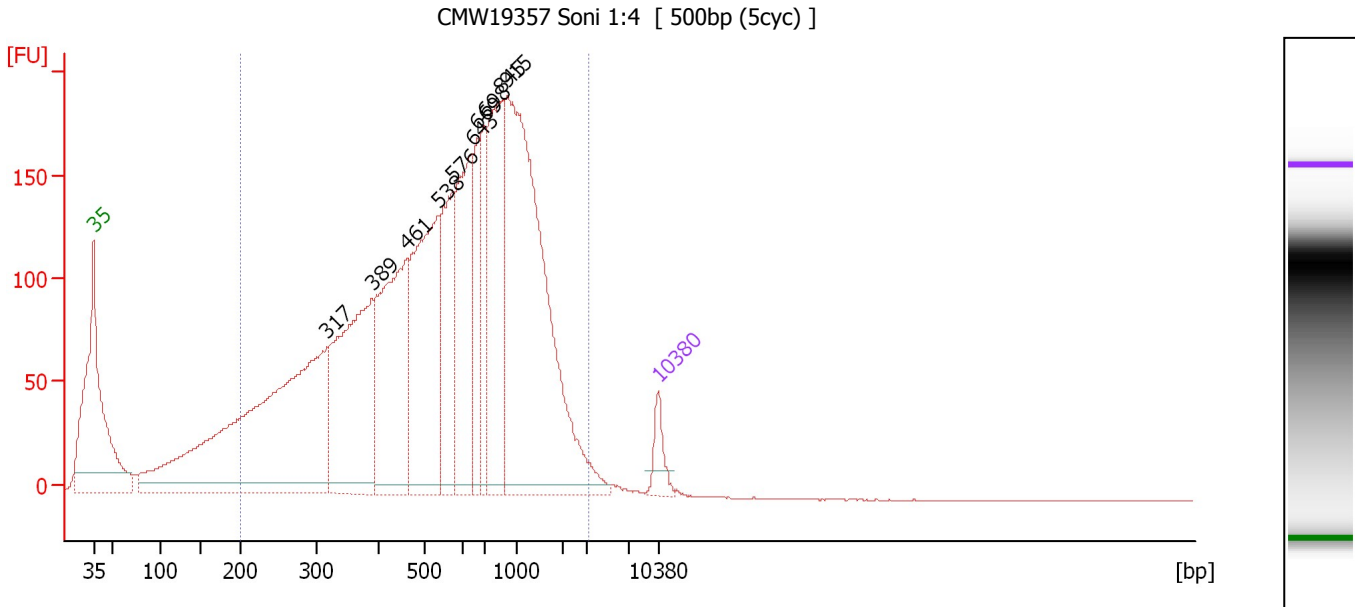
Region table for sample 2 : CMW18600 Soni 1:4

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/µl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
251	1,832	640	3,311.4	1,234.95	793.3	100	32.5	Blue

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

Created: 5/8/2014 7:38:48 AM
 Modified: 5/8/2014 8:31:29 AM

Electropherogram Summary Continued ...



Overall Results for sample 3 : CMW19357 Soni 1:4

Number of peaks found: 10 Corr. Area 1: 4,630.7
 Noise: 0.2

Peak table for sample 3 : CMW19357 Soni 1:4

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	317	2,219.24	10,596.4	
3	389	1,017.27	3,965.4	
4	461	949.76	3,123.7	
5	538	923.03	2,599.9	
6	576	461.49	1,213.1	
7	643	587.26	1,382.9	
8	669	278.73	631.0	
9	698	271.46	589.6	
10	845	649.07	1,164.1	
11	915	1,801.21	2,983.2	
12	10,380	75.00	10.9	Upper Marker

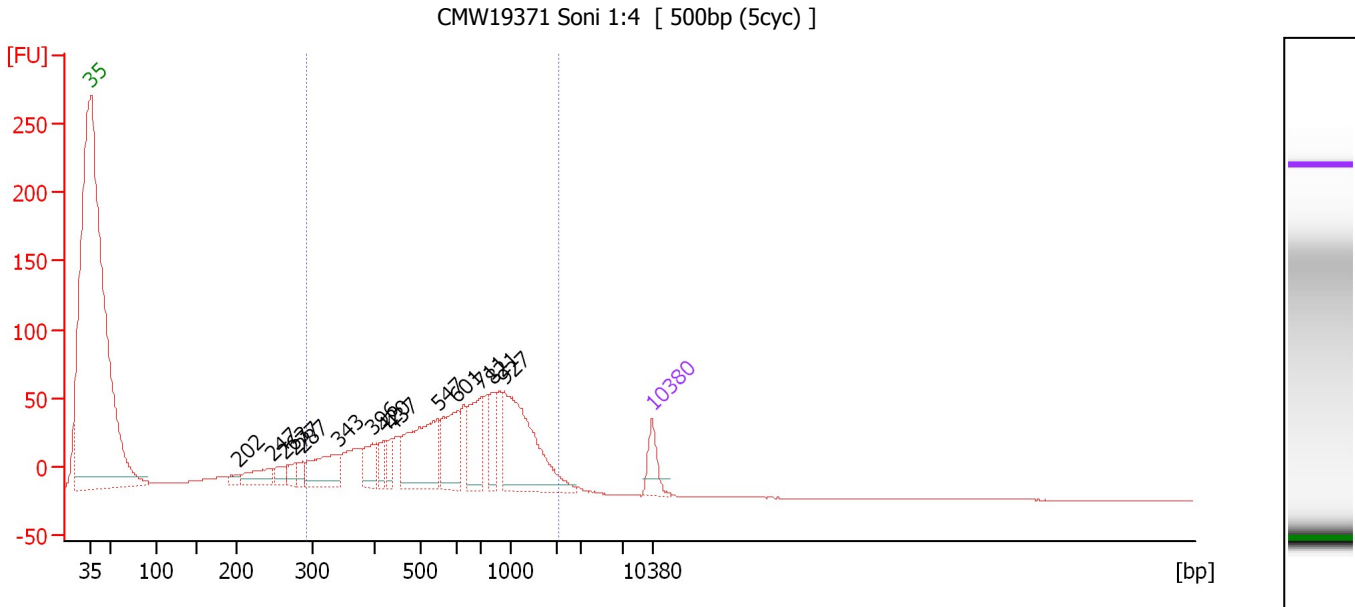
Region table for sample 3 : CMW19357 Soni 1:4

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
200	3,125	721	25,245.6	7,964.89	4,630.7	95	62.4	Blue

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

Created: 5/8/2014 7:38:48 AM
 Modified: 5/8/2014 8:31:29 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : CMW19371 Soni 1:4

Number of peaks found: 14 Corr. Area 1: 371.4
 Noise: 0.1

Peak table for sample 4 : CMW19371 Soni 1:4

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	202	29.18	218.4	
3	247	118.23	725.4	
4	263	58.62	338.3	
5	277	50.38	275.2	
6	287	42.78	225.7	
7	343	216.93	958.1	
8	396	119.73	457.8	
9	420	63.81	230.4	
10	437	62.23	215.6	
11	547	385.51	1,066.9	
12	601	223.80	564.4	
13	711	231.64	493.8	
14	821	119.80	221.0	
15	927	492.13	804.5	
16	10,380	75.00	10.9	Upper Marker

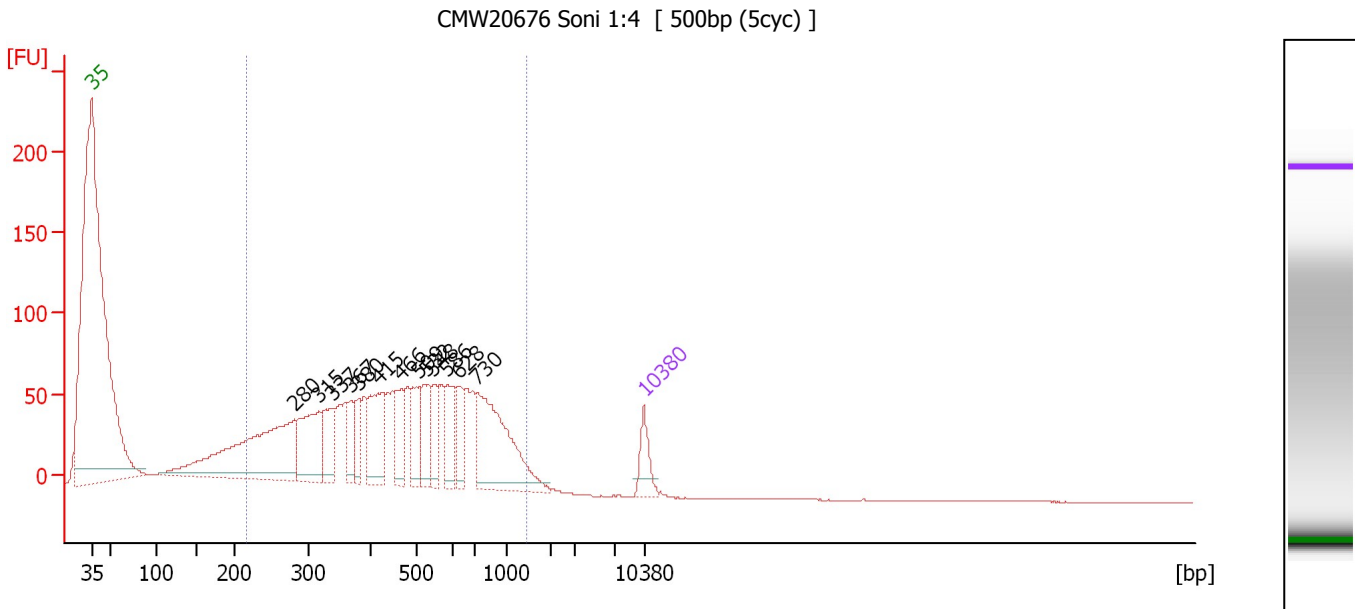
Region table for sample 4 : CMW19371 Soni 1:4

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
293	2,014	820	1,135.0	559.99	371.4	100	29.1	Blue

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

Created: 5/8/2014 7:38:48 AM
 Modified: 5/8/2014 8:31:29 AM

Electropherogram Summary Continued ...



Overall Results for sample 5 : CMW20676 Soni 1:4

Number of peaks found: 13 Corr. Area 1: 1,375.4
 Noise: 0.1

Peak table for sample 5 : CMW20676 Soni 1:4

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	280	872.02	4,712.7	
3	315	322.24	1,549.1	
4	337	178.16	801.9	
5	367	100.92	417.0	
6	380	108.51	433.2	
7	415	259.88	949.6	
8	466	137.40	446.4	
9	509	145.24	432.5	
10	532	167.55	477.0	
11	548	109.92	303.8	
12	586	141.30	365.3	
13	628	116.46	281.2	
14	730	497.51	1,032.3	
15	10,380	75.00	10.9	Upper Marker

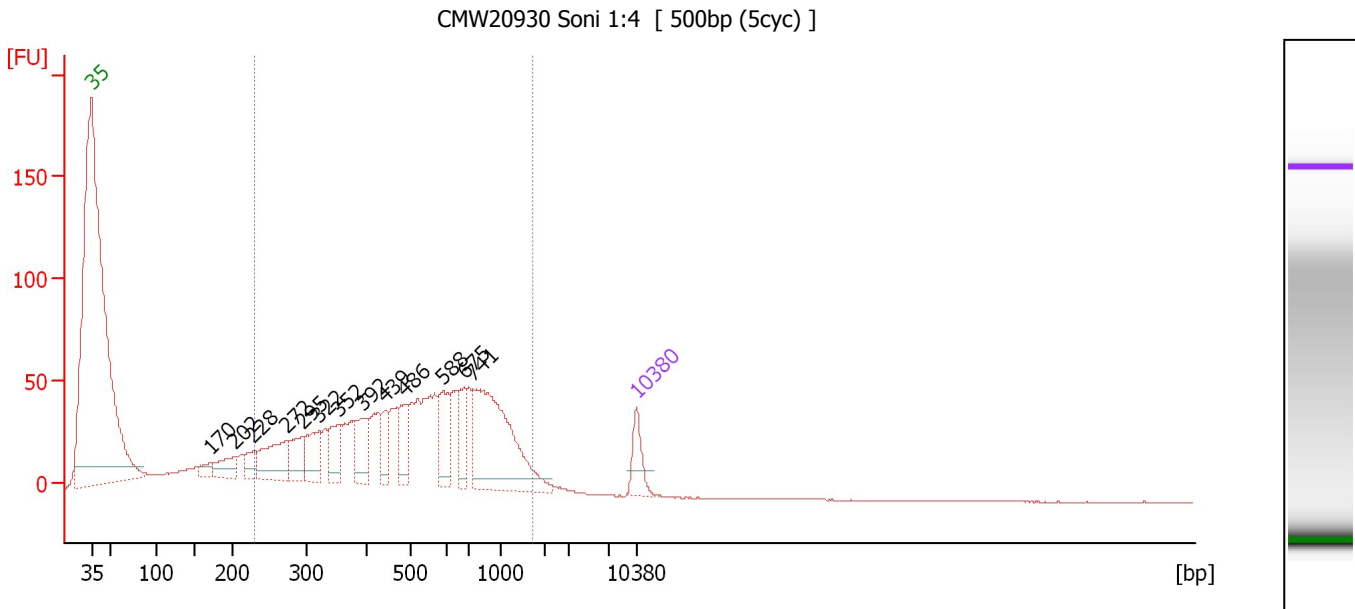
Region table for sample 5 : CMW20676 Soni 1:4

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/µl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
214	1,479	517	8,596.2	2,397.91	1,375.4	99	39.9	Blue

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

Created: 5/8/2014 7:38:48 AM
 Modified: 5/8/2014 8:31:29 AM

Electropherogram Summary Continued ...



Overall Results for sample 6 : CMW20930 Soni 1:4

Number of peaks found: 13 Corr. Area 1: 1,129.5
 Noise: 0.1

Peak table for sample 6 : CMW20930 Soni 1:4

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	170	44.75	398.9	
3	202	107.58	805.8	
4	228	75.45	501.9	
5	272	232.15	1,292.3	
6	295	123.25	633.5	
7	322	156.24	736.2	
8	352	128.02	551.1	
9	392	146.64	566.8	
10	439	79.57	274.8	
11	486	116.60	363.3	
12	588	158.83	409.2	
13	675	118.24	265.3	
14	741	574.34	1,174.4	
15	10,380	75.00	10.9	Upper Marker

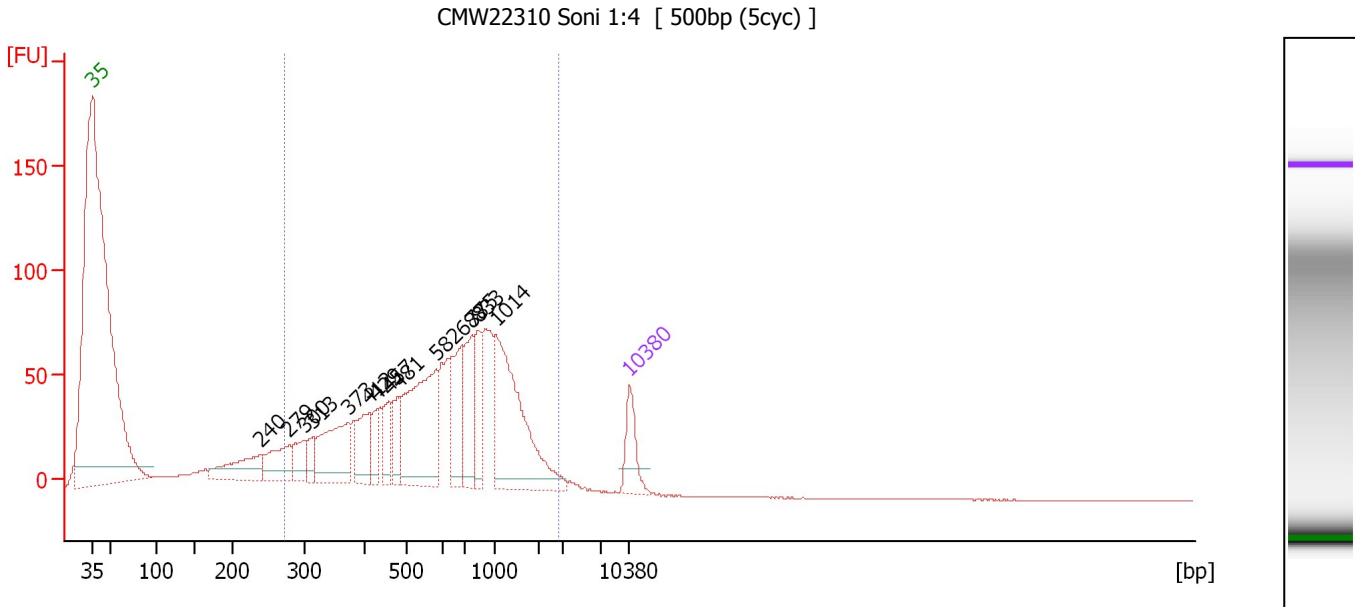
Region table for sample 6 : CMW20930 Soni 1:4

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
229	1,749	590	7,820.1	2,358.78	1,129.5	96	46.8	Blue

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

Created: 5/8/2014 7:38:48 AM
 Modified: 5/8/2014 8:31:29 AM

Electropherogram Summary Continued ...



Overall Results for sample 7 : CMW22310 Soni 1:4

Number of peaks found: 14 Corr. Area 1: 1,349.7
 Noise: 0.1

Peak table for sample 7 : CMW22310 Soni 1:4

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	240	148.38	937.0	
3	279	141.85	770.1	
4	300	79.19	400.2	
5	313	49.35	238.9	
6	373	232.31	943.7	
7	412	122.88	452.4	
8	429	68.83	243.1	
9	457	82.69	274.0	
10	481	82.28	259.3	
11	582	375.38	977.9	
12	688	174.38	383.8	
13	775	153.84	300.7	
14	833	97.24	176.9	
15	1,014	400.31	597.9	
16	10,380	75.00	10.9	Upper Marker

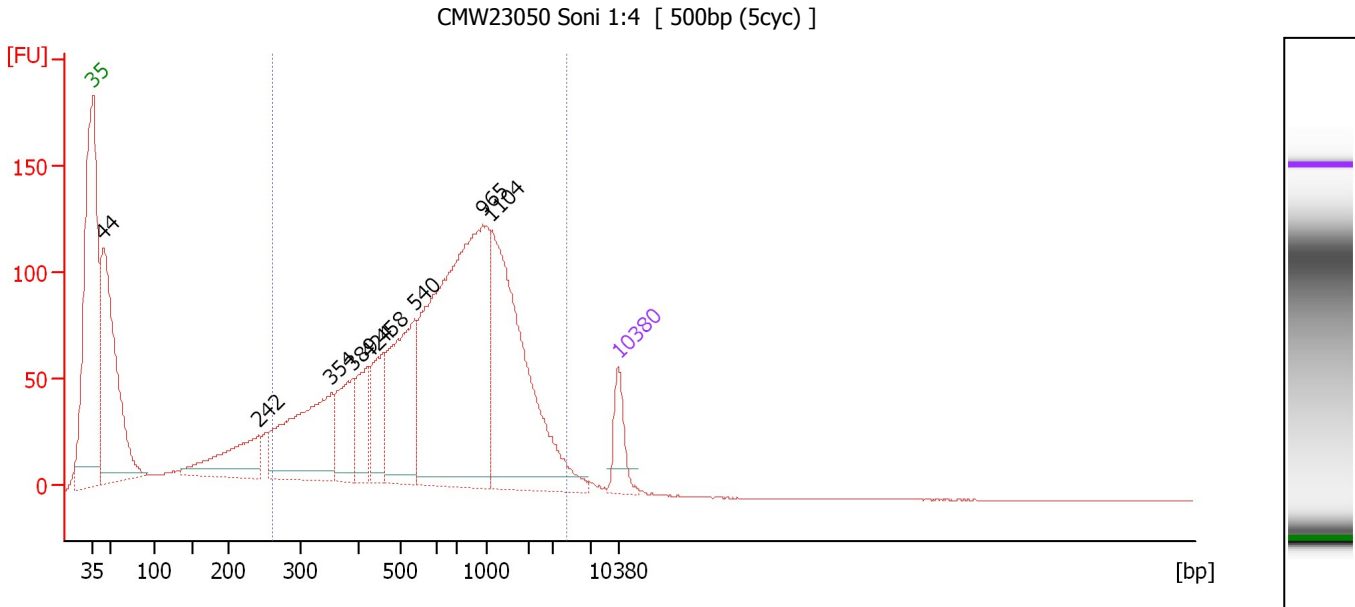
Region table for sample 7 : CMW22310 Soni 1:4

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
273	2,814	753	5,387.3	1,996.19	1,349.7	96	52.9	Blue

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

Created: 5/8/2014 7:38:48 AM
 Modified: 5/8/2014 8:31:29 AM

Electropherogram Summary Continued ...



Overall Results for sample 8 : CMW23050 Soni 1:4

Number of peaks found: 9 Corr. Area 1: 2,583.4
 Noise: 0.1

Peak table for sample 8 : CMW23050 Soni 1:4

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	44	1,036.91	36,107.6	
3	242	265.93	1,662.6	
4	354	481.79	2,062.4	
5	389	201.59	784.9	
6	424	154.09	550.6	
7	458	168.73	557.9	
8	540	416.03	1,167.7	
9	965	1,105.97	1,737.1	
10	1,104	693.08	950.8	
11	10,380	75.00	10.9	Upper Marker

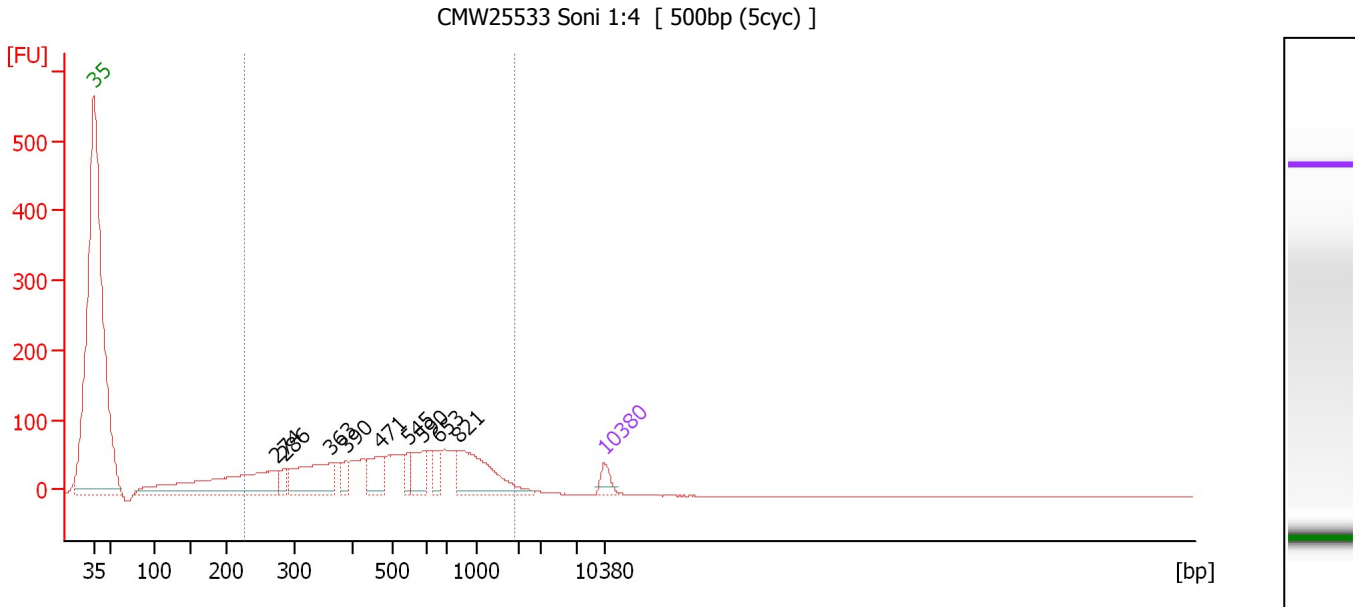
Region table for sample 8 : CMW23050 Soni 1:4

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
261	4,459	873	8,515.1	3,182.31	2,583.4	79	69.3	Blue

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

Created: 5/8/2014 7:38:48 AM
 Modified: 5/8/2014 8:31:29 AM

Electropherogram Summary Continued ...



Overall Results for sample 9 : CMW25533 Soni 1:4

Number of peaks found: 9 Corr. Area 1: 1,371.6
 Noise: 0.1

Peak table for sample 9 : CMW25533 Soni 1:4

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	274	1,136.26	6,286.5	
3	286	89.71	476.1	
4	363	576.69	2,403.9	
5	390	100.60	390.4	
6	471	262.97	845.7	
7	545	100.38	278.8	
8	590	209.94	539.6	
9	653	116.78	271.0	
10	821	565.91	1,044.0	
11	10,380	75.00	10.9	Upper Marker

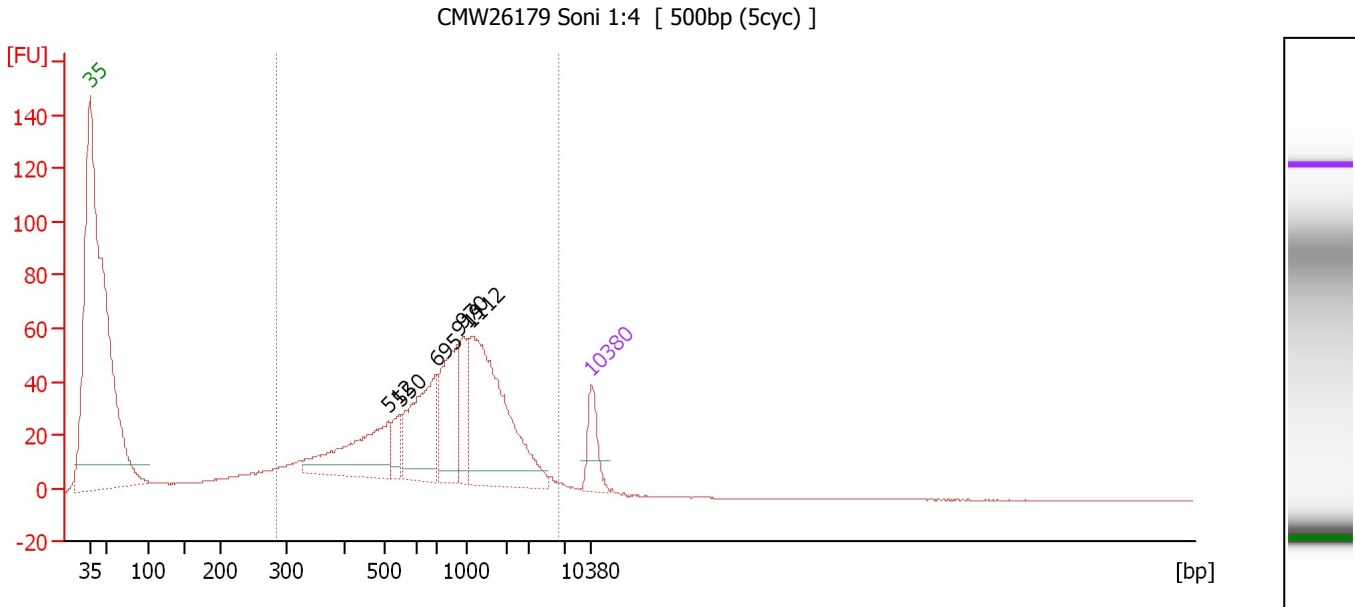
Region table for sample 9 : CMW25533 Soni 1:4

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
226	1,934	598	7,849.1	2,349.46	1,371.6	95	50.2	Blue

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

Created: 5/8/2014 7:38:48 AM
 Modified: 5/8/2014 8:31:29 AM

Electropherogram Summary Continued ...



Overall Results for sample 10 : CMW26179 Soni 1:4

Number of peaks found: 6 Corr. Area 1: 971.6
 Noise: 0.1

Peak table for sample 10 : CMW26179 Soni 1:4

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	512	304.28	901.2	
3	550	64.15	176.7	
4	695	288.62	629.4	
5	919	231.25	381.1	
6	970	103.70	162.0	
7	1,112	523.83	713.6	
8	10,380	75.00	10.9	Upper Marker

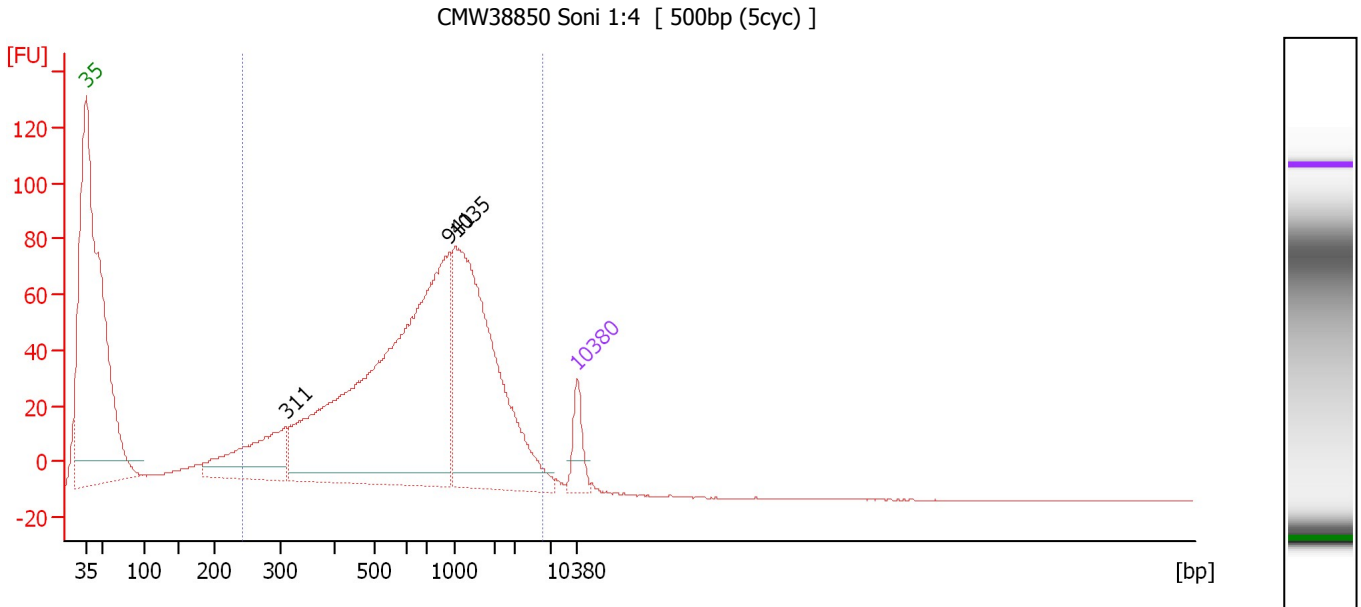
Region table for sample 10 : CMW26179 Soni 1:4

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
283	6,172	1,069	3,843.6	1,710.31	971.6	97	73.6	Blue

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

Created: 5/8/2014 7:38:48 AM
 Modified: 5/8/2014 8:31:29 AM

Electropherogram Summary Continued ...



Overall Results for sample 11 : CMW38850 Soni 1:4

Number of peaks found: 3 Corr. Area 1: 996.1
 Noise: 0.1

Peak table for sample 11 : CMW38850 Soni 1:4

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	311	372.62	1,814.5	
3	941	1,685.09	2,714.5	
4	1,035	979.35	1,433.5	
5	10,380	75.00	10.9	Upper Marker

Region table for sample 11 : CMW38850 Soni 1:4

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
243	6,116	1,034	3,452.2	1,720.69	996.1	100	56.1	Blue

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

Created: 5/8/2014 7:38:48 AM
Modified: 5/8/2014 8:31:29 AM

Gel Image

