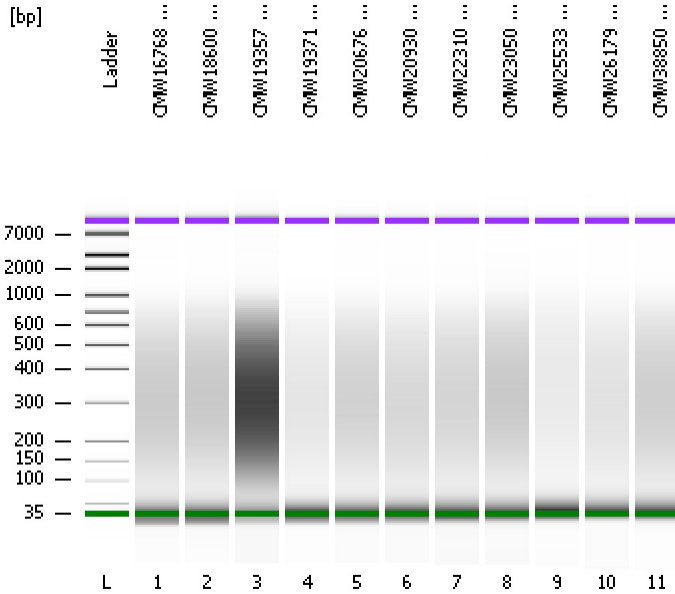


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-15\2014-05-15\_002.xad

Created: 5/15/2014 11:13:02 AM  
Modified: 5/15/2014 11:55:21 AM

Electrophoresis File Run Summary



Instrument Information:

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

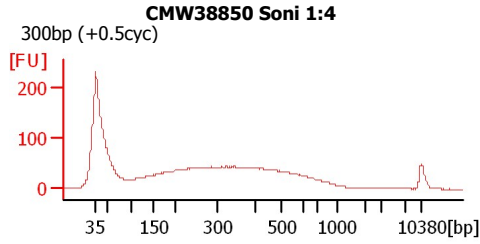
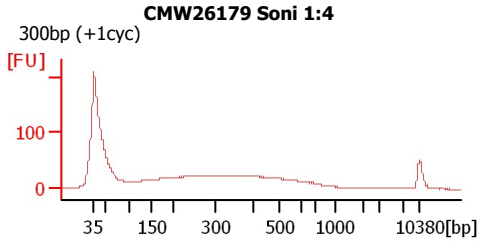
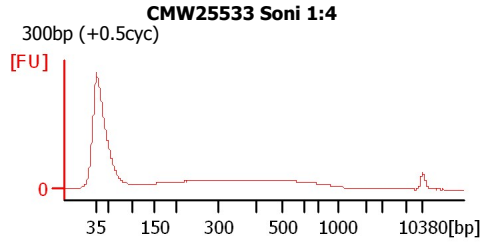
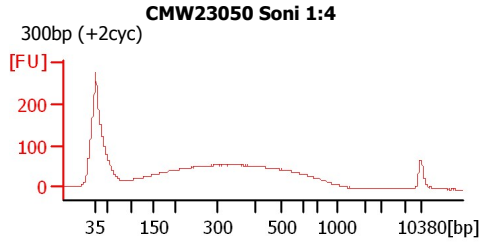
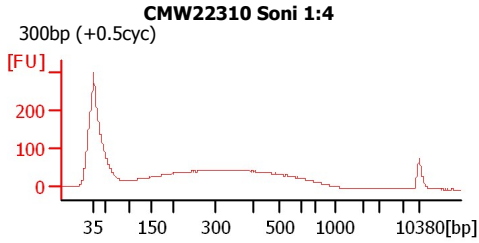
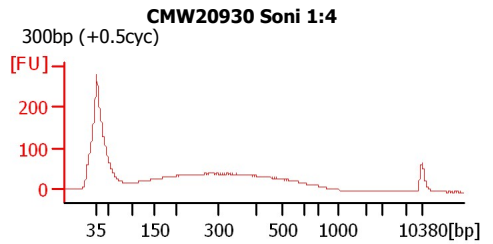
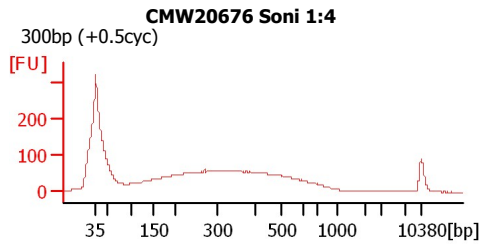
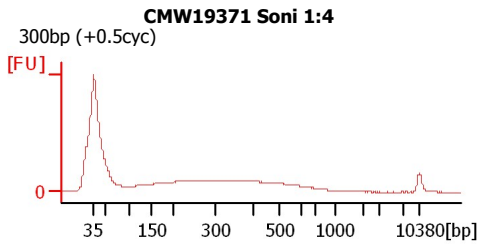
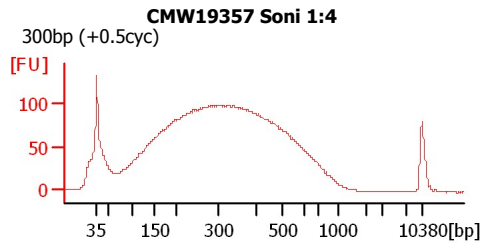
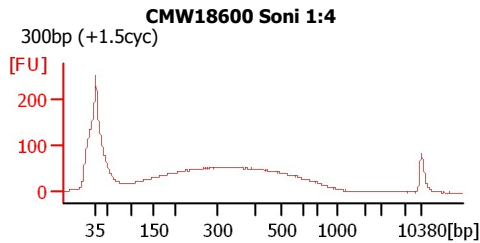
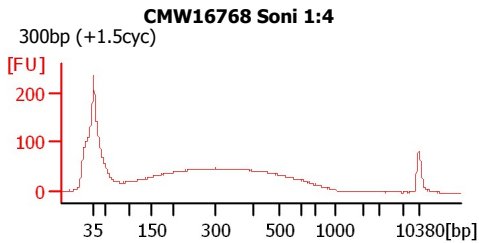
Assay Information:

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\2014-05-15\2014-05-15\_002.xad

Created: 5/15/2014 11:13:02 AM  
Modified: 5/15/2014 11:55:21 AM

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

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
CMW16768 Soni 1:4	300bp (+1.5cyc)	<input type="checkbox"/>	✓			
CMW18600 Soni 1:4	300bp (+1.5cyc)	<input type="checkbox"/>	✓			
CMW19357 Soni 1:4	300bp (+0.5cyc)	<input type="checkbox"/>	✓			
CMW19371 Soni 1:4	300bp (+0.5cyc)	<input type="checkbox"/>	✓			
CMW20676 Soni 1:4	300bp (+0.5cyc)	<input type="checkbox"/>	✓			
CMW20930 Soni 1:4	300bp (+0.5cyc)	<input type="checkbox"/>	✓			
CMW22310 Soni 1:4	300bp (+0.5cyc)	<input type="checkbox"/>	✓			
CMW23050 Soni 1:4	300bp (+2cyc)	<input type="checkbox"/>	✓			
CMW25533 Soni 1:4	300bp (+0.5cyc)	<input type="checkbox"/>	✓			
CMW26179 Soni 1:4	300bp (+1cyc)	<input type="checkbox"/>	✓			
CMW38850 Soni 1:4	300bp (+0.5cyc)	<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\2014-05-15\2014-05-15\_002.xad

Created: 5/15/2014 11:13:02 AM  
Modified: 5/15/2014 11:55:21 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

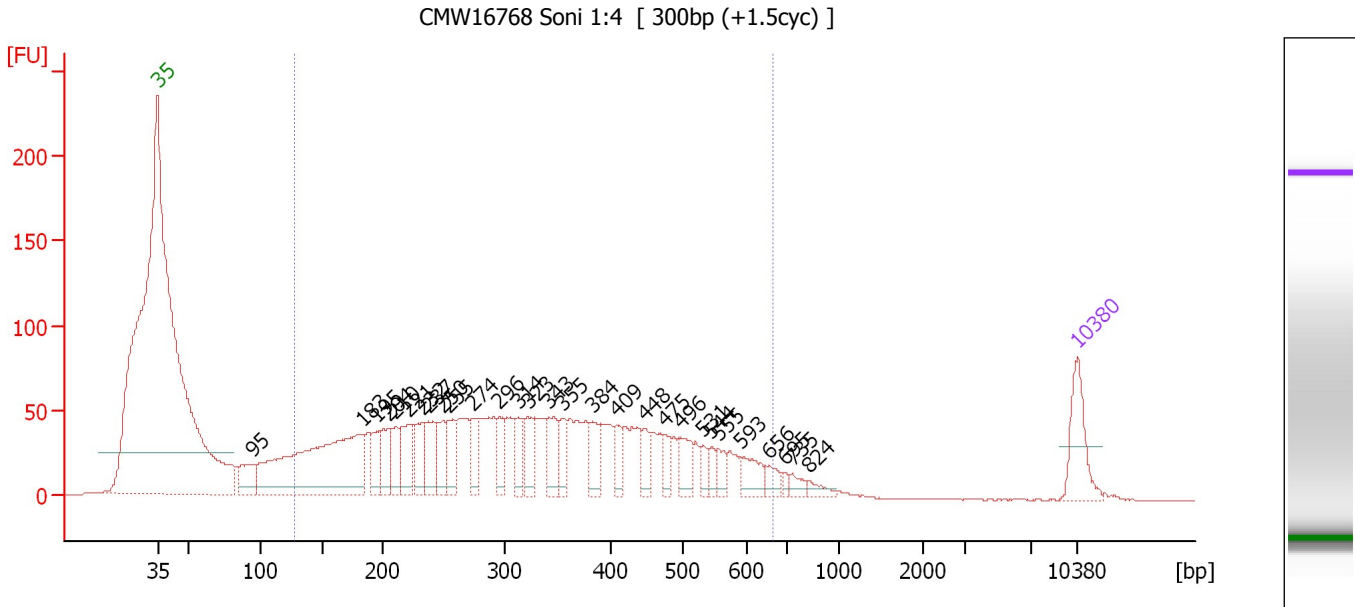
**Ladder**

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\2014-05-15\2014-05-15\_002.xad

Created: 5/15/2014 11:13:02 AM  
 Modified: 5/15/2014 11:55:21 AM

**Electropherogram Summary**



**Overall Results for sample 1 : CMW16768 Soni 1:4**

Number of peaks found: 29                      Corr. Area 1: 2,120.1  
 Noise: 0.3

**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	95	76.97	1,230.5	
3	183	577.55	4,788.3	
4	195	62.39	485.5	
5	204	66.95	496.5	
6	210	63.72	459.6	
7	221	93.65	641.6	
8	232	63.63	415.2	
9	237	81.17	517.9	
10	250	71.05	431.4	
11	255	71.41	424.6	
12	274	53.39	295.7	
13	296	51.12	261.6	
14	314	52.49	253.5	
15	323	66.41	312.0	
16	343	73.25	323.7	
17	355	46.98	200.3	
18	384	54.01	213.1	
19	409	44.10	163.6	
20	448	35.43	119.9	
21	475	31.84	101.7	
22	496	54.56	166.7	
23	531	24.53	70.0	
24	544	21.41	59.6	
25	555	29.19	79.6	
26	593	47.31	121.0	

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-15\2014-05-15\_002.xad

Created: 5/15/2014 11:13:02 AM  
 Modified: 5/15/2014 11:55:21 AM

### Electropherogram Summary Continued ...

#### ... Peak table for sample 1 : CMW16768 Soni 1:4

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	656	24.40	56.3	
28	695	9.96	21.7	
29	735	17.01	35.1	
30	824	16.91	31.1	
31	10,380	75.00	10.9	Upper Marker

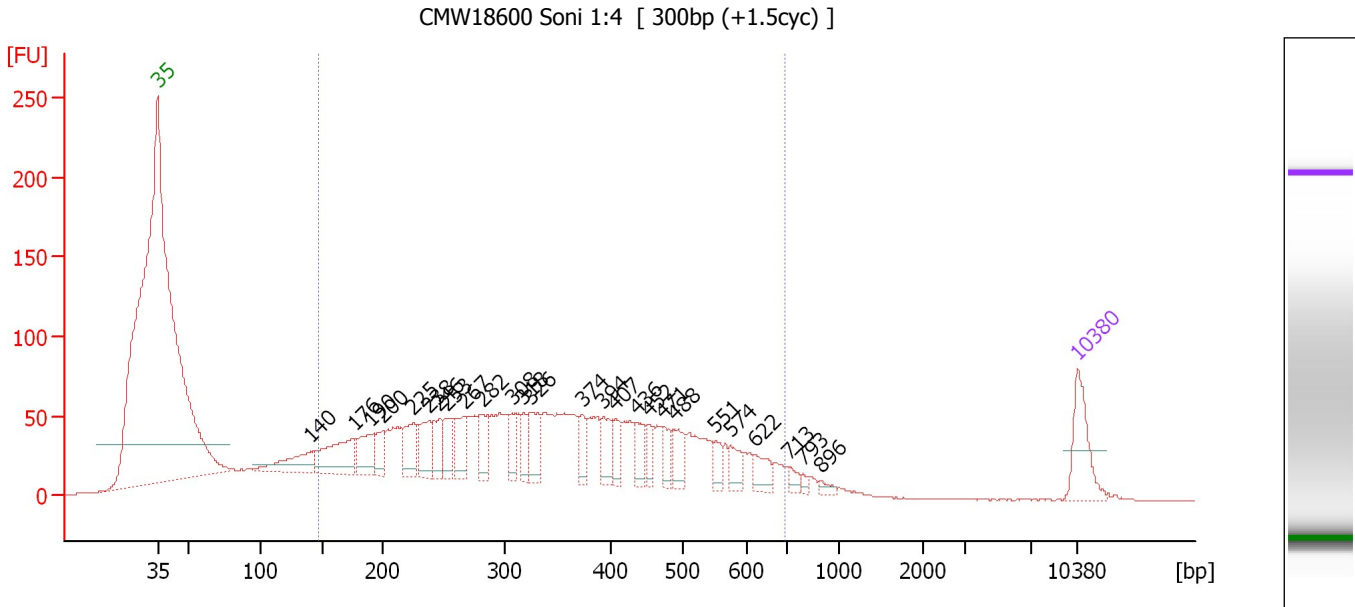
#### Region table for sample 1 : CMW16768 Soni 1:4

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
126	668	335	15,679.0	2,707.37	 2,120.1	88	38.4

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-15\2014-05-15\_002.xad

Created: 5/15/2014 11:13:02 AM  
 Modified: 5/15/2014 11:55:21 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : CMW18600 Soni 1:4**

Number of peaks found: 26                      Corr. Area 1: 2,257.1  
 Noise: 0.3

**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	140	95.34	1,029.9	
3	176	149.50	1,289.9	
4	190	80.33	642.2	
5	200	53.64	407.1	
6	225	83.24	561.3	
7	238	71.69	456.9	
8	246	62.88	386.6	
9	253	64.15	383.9	
10	267	77.93	442.8	
11	282	65.03	349.3	
12	308	45.55	223.9	
13	318	48.30	230.0	
14	326	71.93	334.5	
15	374	42.21	171.1	
16	394	56.57	217.4	
17	407	43.57	162.3	
18	436	43.70	151.9	
19	452	32.31	108.4	
20	471	40.14	129.1	
21	488	51.37	159.6	
22	551	27.23	74.9	
23	574	36.05	95.1	
24	622	36.12	88.0	
25	713	16.04	34.1	
26	793	7.75	14.8	

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-15\2014-05-15\_002.xad

Created: 5/15/2014 11:13:02 AM  
Modified: 5/15/2014 11:55:21 AM

**Electropherogram Summary Continued ...****... Peak table for sample 2 : CMW18600 Soni 1:4**

Peak	Size [bp]	Conc. [pg/ $\mu$ l]	Molarity [pmol/l]	Observations
27	896	10.23	17.3	
28	▶ 10,380	75.00	10.9	Upper Marker

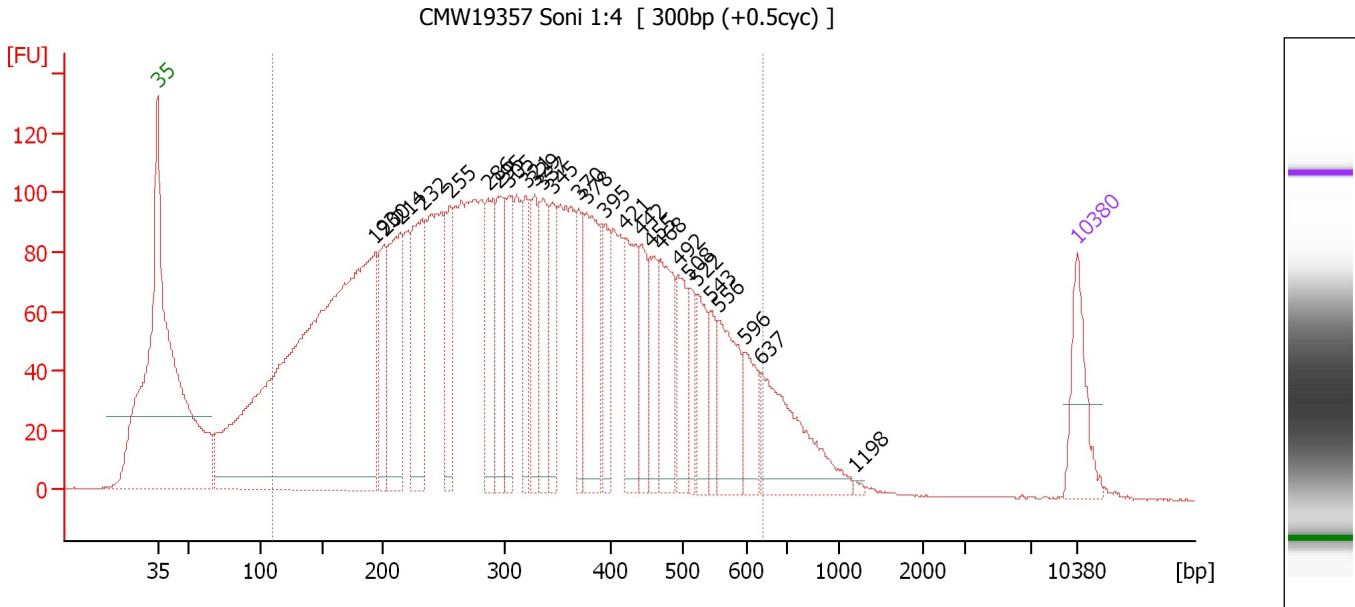
**Region table for sample 2 : CMW18600 Soni 1:4**

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/ $\mu$ l]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
147	697	354	14,995.3	2,817.41	■ 2,257.1	85	37.0

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-15\2014-05-15\_002.xad

Created: 5/15/2014 11:13:02 AM  
 Modified: 5/15/2014 11:55:21 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : CMW19357 Soni 1:4**

Number of peaks found: 27                      Corr. Area 1: 4,479.9  
 Noise: 0.3

**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	193	1,504.00	11,804.9	
3	200	134.96	1,020.9	
4	214	234.22	1,658.8	
5	232	236.12	1,539.2	
6	255	135.42	803.7	
7	286	155.52	822.6	
8	295	128.15	658.8	
9	305	117.03	582.2	
10	321	103.81	490.5	
11	329	101.62	468.0	
12	337	122.01	548.9	
13	345	96.19	422.3	
14	370	88.47	362.2	
15	378	196.12	786.3	
16	395	79.38	304.8	
17	421	133.79	481.6	
18	442	90.61	310.4	
19	455	81.83	272.4	
20	468	135.66	439.4	
21	492	89.91	276.6	
22	508	54.79	163.4	
23	522	77.46	224.8	
24	543	49.24	137.4	
25	556	130.70	356.2	
26	596	70.15	178.2	



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-15\2014-05-15\_002.xad

Created: 5/15/2014 11:13:02 AM  
 Modified: 5/15/2014 11:55:21 AM

### Electropherogram Summary Continued ...

#### ... Peak table for sample 3 : CMW19357 Soni 1:4

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	637	184.50	439.0	
28	1,198	3.42	4.3	
29	▶ 10,380	75.00	10.9	Upper Marker

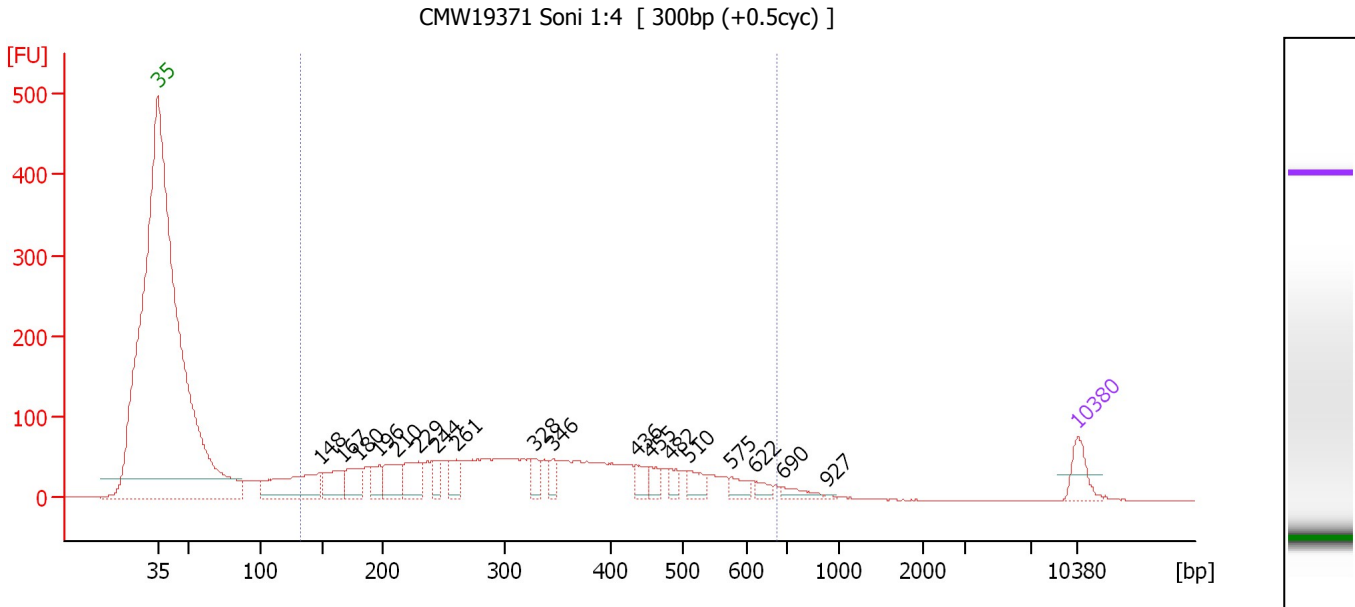
#### Region table for sample 3 : CMW19357 Soni 1:4

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
110	643	326	34,912.1	5,761.48	■ 4,479.9	91	38.9

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-15\2014-05-15\_002.xad

Created: 5/15/2014 11:13:02 AM  
 Modified: 5/15/2014 11:55:21 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : CMW19371 Soni 1:4**

Number of peaks found: 18                      Corr. Area 1: 2,153.2  
 Noise: 0.2

**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	148	361.40	3,699.1	
3	167	159.98	1,454.9	
4	180	123.73	1,039.7	
5	196	95.84	739.1	
6	210	147.25	1,061.2	
7	229	152.09	1,006.6	
8	244	70.02	435.4	
9	261	91.47	531.2	
10	328	71.37	329.2	
11	346	52.51	229.7	
12	436	57.36	199.4	
13	455	49.10	163.5	
14	482	44.81	141.0	
15	510	70.63	210.0	
16	575	51.39	135.3	
17	622	33.62	81.9	
18	690	45.24	99.4	
19	927	5.41	8.8	
20	10,380	75.00	10.9	Upper Marker

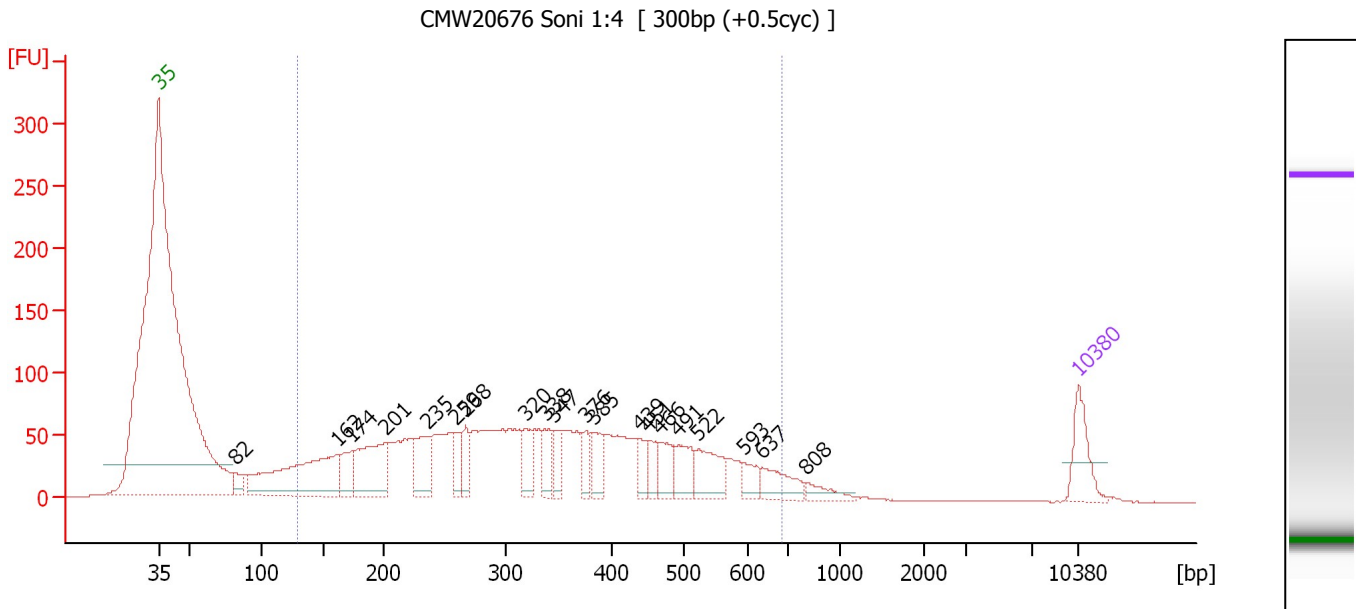
**Region table for sample 4 : CMW19371 Soni 1:4**

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
131	678	337	15,905.1	2,781.71	2,153.2	88	38.3

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-15\2014-05-15\_002.xad

Created: 5/15/2014 11:13:02 AM  
 Modified: 5/15/2014 11:55:21 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : CMW20676 Soni 1:4**

Number of peaks found: 20                      Corr. Area 1: 2,436.7  
 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	82	36.35	675.2	
3	162	425.29	3,983.2	
4	174	79.81	696.5	
5	201	225.25	1,695.9	
6	235	121.47	781.7	
7	259	61.52	360.3	
8	268	58.49	331.1	
9	320	76.07	360.6	
10	338	65.06	291.9	
11	347	55.78	243.7	
12	376	44.05	177.7	
13	385	68.94	271.5	
14	439	41.75	144.1	
15	451	45.51	152.9	
16	466	71.46	232.1	
17	491	78.13	241.3	
18	522	107.52	311.8	
19	593	40.44	103.2	
20	637	72.19	171.6	
21	808	30.77	57.7	
22	10,380	75.00	10.9	Upper Marker

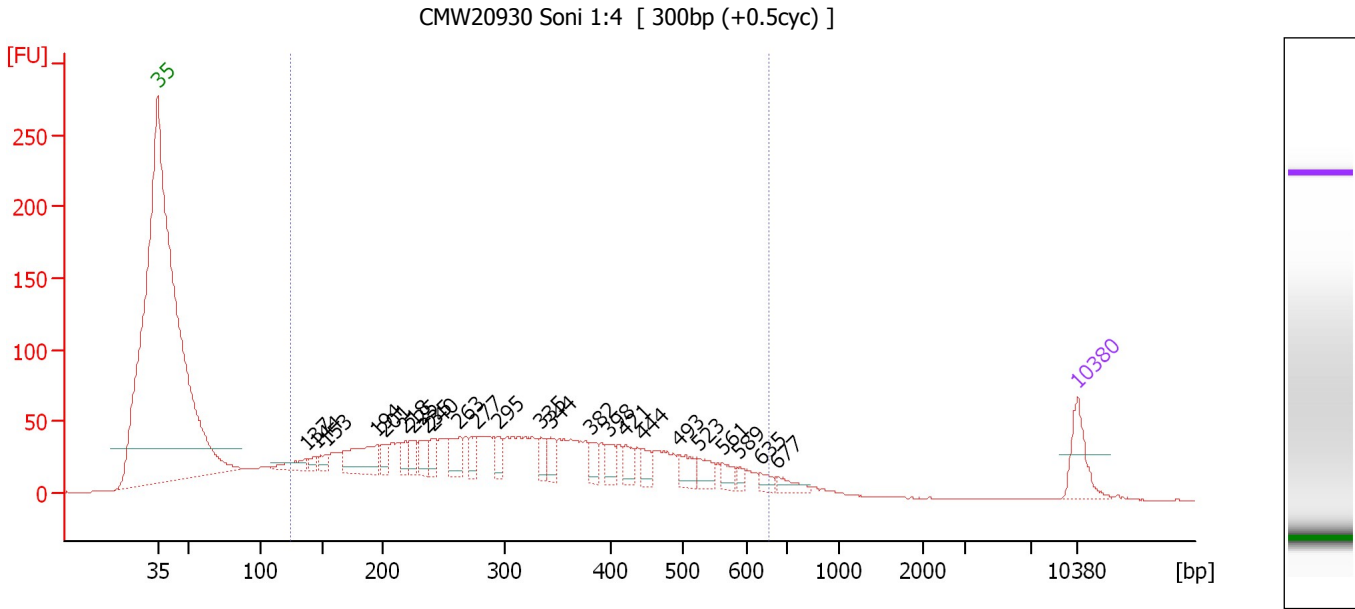
**Region table for sample 5 : CMW20676 Soni 1:4**

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
128	687	344	15,513.5	2,756.36	2,436.7	89	38.3

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-15\2014-05-15\_002.xad

Created: 5/15/2014 11:13:02 AM  
 Modified: 5/15/2014 11:55:21 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : CMW20930 Soni 1:4**

Number of peaks found: 24                      Corr. Area 1: 1,801.6  
 Noise: 0.2

**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	137	46.25	512.7	
3	144	21.51	225.6	
4	153	28.61	282.9	
5	194	141.71	1,105.0	
6	201	34.89	263.3	
7	218	37.23	258.6	
8	225	37.76	254.7	
9	235	52.77	340.2	
10	240	39.38	248.1	
11	263	66.78	384.9	
12	277	39.68	217.2	
13	295	48.23	247.6	
14	335	44.42	200.7	
15	344	38.06	167.4	
16	382	42.80	169.8	
17	398	37.87	144.1	
18	421	39.84	143.3	
19	444	34.97	119.4	
20	493	49.99	153.5	
21	523	41.04	118.9	
22	561	25.28	68.2	
23	589	14.05	36.1	
24	635	19.32	46.1	
25	677	27.92	62.5	
26	10,380	75.00	10.9	Upper Marker

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-15\2014-05-15\_002.xad

Created: 5/15/2014 11:13:02 AM  
Modified: 5/15/2014 11:55:21 AM

**Electropherogram Summary Continued ...**

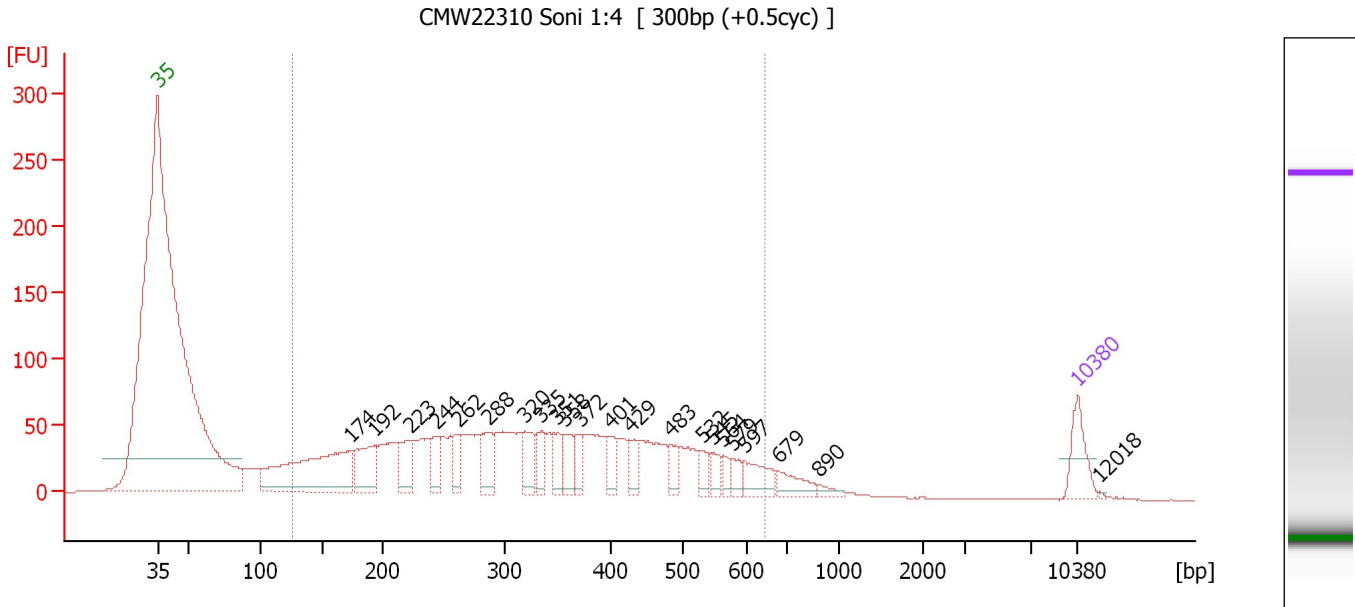
... Region table for sample 6 : CMW20930 Soni 1:4

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
124	656	329	15,888.6	2,693.40	 1,801.6	89	38.5

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-15\2014-05-15\_002.xad

Created: 5/15/2014 11:13:02 AM  
 Modified: 5/15/2014 11:55:21 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : CMW22310 Soni 1:4**

Number of peaks found: 22                      Corr. Area 1: 2,051.8  
 Noise: 0.2

**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	174	497.04	4,340.4	
3	192	152.68	1,205.0	
4	223	103.25	703.0	
5	244	73.66	457.2	
6	262	59.78	346.2	
7	288	97.95	515.8	
8	320	79.56	376.3	
9	335	60.83	275.4	
10	351	54.20	234.2	
11	358	78.67	333.4	
12	372	46.64	189.7	
13	401	58.61	221.6	
14	429	45.79	161.6	
15	483	47.82	150.1	
16	532	35.58	101.4	
17	545	34.45	95.7	
18	564	26.11	70.2	
19	579	32.41	84.8	
20	597	74.31	188.6	
21	679	59.62	133.0	
22	890	15.88	27.0	
23	10,380	75.00	10.9	Upper Marker
24	12,018	0.00	0.0	

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-15\2014-05-15\_002.xad

Created: 5/15/2014 11:13:02 AM  
Modified: 5/15/2014 11:55:21 AM

**Electropherogram Summary Continued ...**

... Region table for sample 7 : CMW22310 Soni 1:4

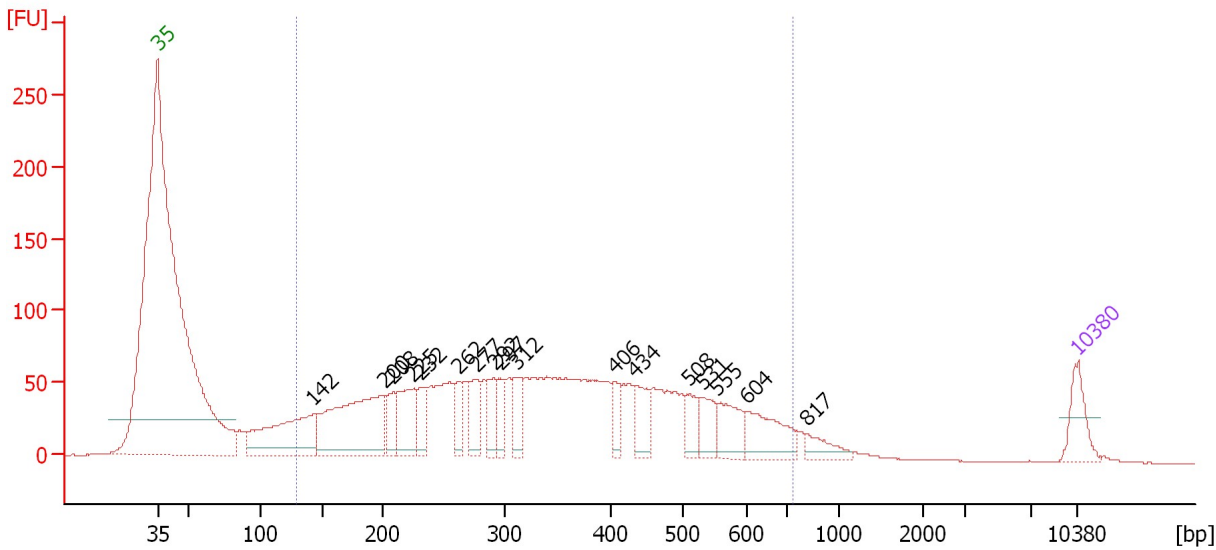
From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/ $\mu$ l]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
125	647	338	16,353.7	2,858.34	 2,051.8	89	37.6

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-15\2014-05-15\_002.xad

Created: 5/15/2014 11:13:02 AM  
 Modified: 5/15/2014 11:55:21 AM

**Electropherogram Summary Continued ...**

CMW23050 Soni 1:4 [ 300bp (+2cyc) ]



**Overall Results for sample 8 : CMW23050 Soni 1:4**

Number of peaks found: 17                      Corr. Area 1: 2,432.2  
 Noise: 0.2

**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	142	387.82	4,126.5	
3	200	514.48	3,894.1	
4	208	92.02	669.4	
5	225	174.88	1,177.8	
6	232	78.61	514.4	
7	262	73.06	421.8	
8	277	105.20	576.2	
9	292	87.25	453.1	
10	297	70.49	359.8	
11	312	95.62	464.3	
12	406	53.18	198.3	
13	434	97.57	340.9	
14	508	65.50	195.5	
15	531	88.08	251.3	
16	555	111.48	304.5	
17	604	141.87	355.9	
18	817	51.35	95.3	
19	10,380	75.00	10.9	Upper Marker

**Region table for sample 8 : CMW23050 Soni 1:4**

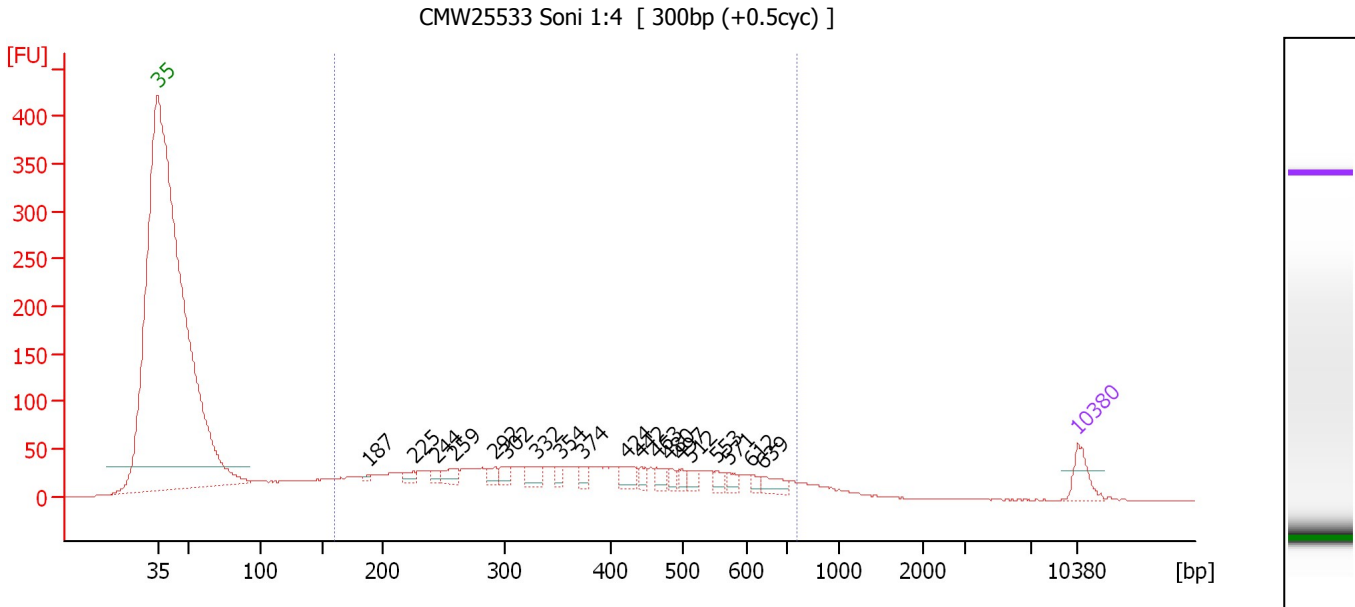
From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/µl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
128	731	354	19,406.4	3,511.54	2,432.2	90	39.1



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-15\2014-05-15\_002.xad

Created: 5/15/2014 11:13:02 AM  
 Modified: 5/15/2014 11:55:21 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 9 : CMW25533 Soni 1:4**

Number of peaks found: 19                      Corr. Area 1: 1,399.1  
 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	187	12.44	100.6	
3	225	35.44	238.5	
4	244	26.44	164.5	
5	259	64.31	376.3	
6	292	38.56	199.9	
7	302	42.32	212.5	
8	332	65.75	300.5	
9	354	35.67	152.7	
10	374	37.37	151.5	
11	424	62.54	223.7	
12	442	32.88	112.7	
13	463	42.78	140.0	
14	480	26.67	84.1	
15	497	26.10	79.6	
16	512	34.72	102.9	
17	553	33.66	92.2	
18	571	29.17	77.4	
19	612	24.31	60.2	
20	639	57.75	136.8	
21	10,380	75.00	10.9	Upper Marker

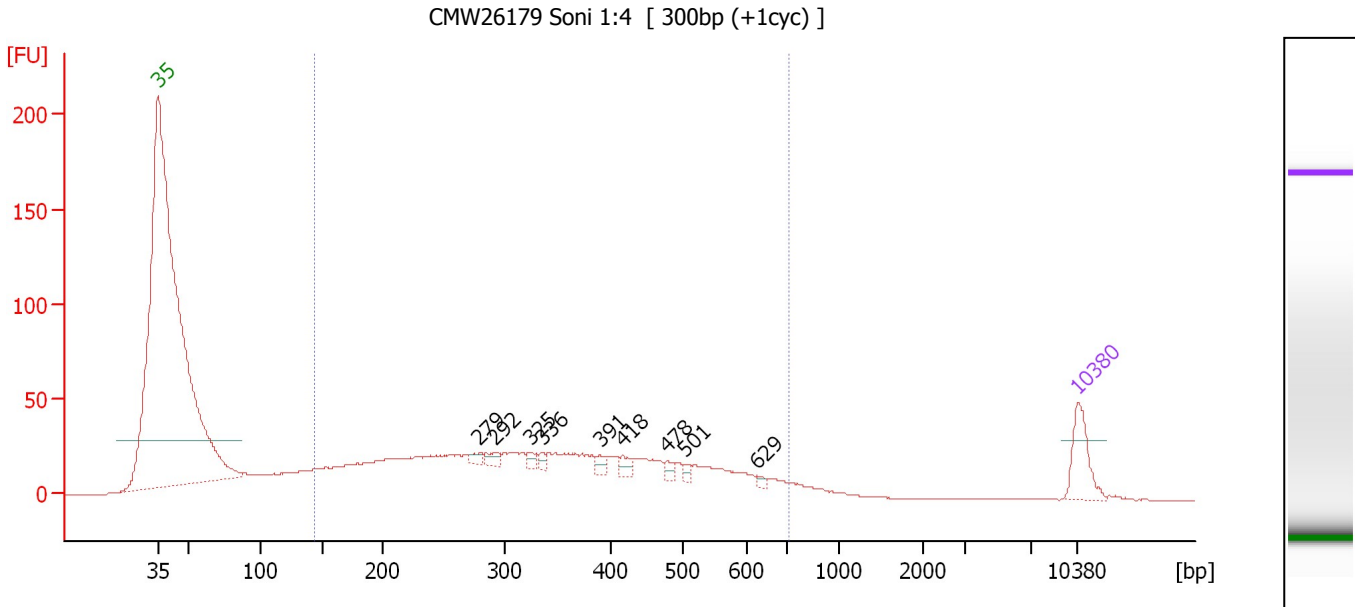
**Region table for sample 9 : CMW25533 Soni 1:4**

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
160	760	380	12,023.3	2,430.06	1,399.1	82	37.0

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-15\2014-05-15\_002.xad

Created: 5/15/2014 11:13:02 AM  
 Modified: 5/15/2014 11:55:21 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 10 : CMW26179 Soni 1:4**

Number of peaks found: 9                      Corr. Area 1: 953.4  
 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	279	18.47	100.2	
3	292	23.13	119.9	
4	325	17.37	80.9	
5	336	13.79	62.1	
6	391	18.85	73.1	
7	418	22.18	80.5	
8	478	15.29	48.4	
9	501	11.38	34.4	
10	629	8.96	21.6	
11	10,380	75.00	10.9	Upper Marker

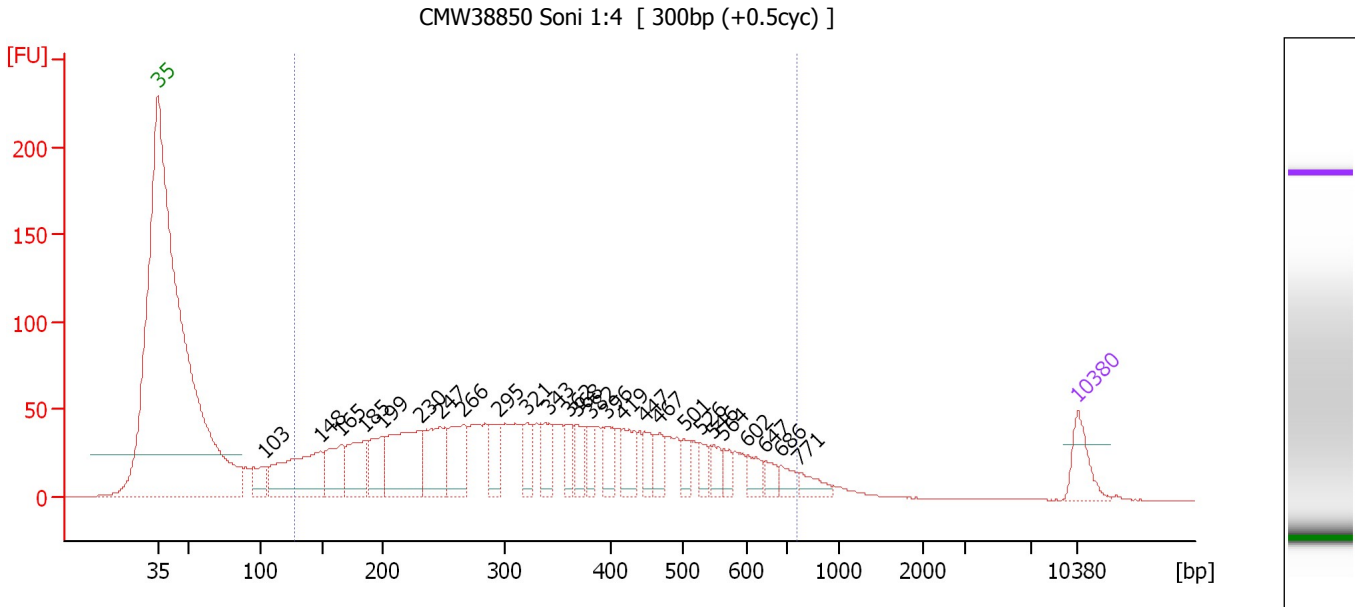
**Region table for sample 10 : CMW26179 Soni 1:4**

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
144	715	351	9,983.8	1,847.78	953.4	86	37.8

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-15\2014-05-15\_002.xad

Created: 5/15/2014 11:13:02 AM  
 Modified: 5/15/2014 11:55:21 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 11 : CMW38850 Soni 1:4**

Number of peaks found: 26                      Corr. Area 1: 1,871.6  
 Noise: 0.2

**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	103	95.62	1,406.5	
3	148	379.11	3,878.4	
4	165	172.74	1,585.2	
5	185	189.08	1,546.5	
6	199	151.99	1,159.1	
7	230	325.12	2,138.8	
8	247	224.65	1,378.5	
9	266	182.21	1,039.5	
10	295	103.90	533.3	
11	321	77.40	365.1	
12	343	88.63	391.4	
13	362	69.65	291.5	
14	368	72.61	299.0	
15	382	56.45	224.1	
16	396	87.40	334.1	
17	419	89.46	323.8	
18	447	58.38	197.7	
19	467	63.30	205.4	
20	501	49.97	151.2	
21	526	50.50	145.5	
22	546	46.27	128.4	
23	564	37.57	100.9	
24	602	50.19	126.3	
25	647	35.41	82.9	
26	686	40.45	89.4	

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-15\2014-05-15\_002.xad

Created: 5/15/2014 11:13:02 AM  
Modified: 5/15/2014 11:55:21 AM

**Electropherogram Summary Continued ...****... Peak table for sample 11 : CMW38850 Soni 1:4**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	771	46.15	90.7	
28	▶ 10,380	75.00	10.9	Upper Marker

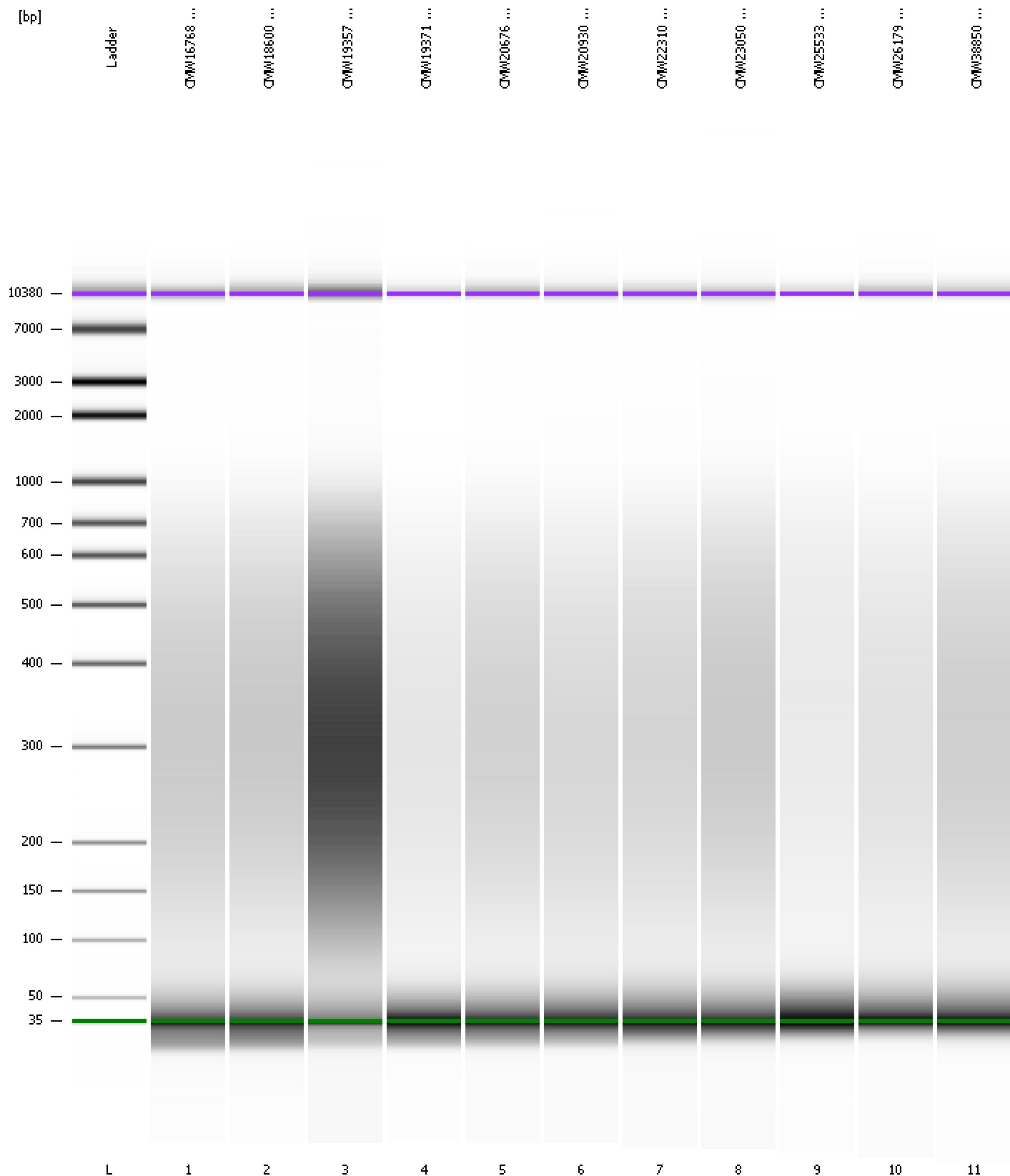
**Region table for sample 11 : CMW38850 Soni 1:4**

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
127	762	351	20,026.7	3,558.06	■ 1,871.6	90	40.3

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-15\2014-05-15\_002.xad

Created: 5/15/2014 11:13:02 AM  
Modified: 5/15/2014 11:55:21 AM

**Gel Image**

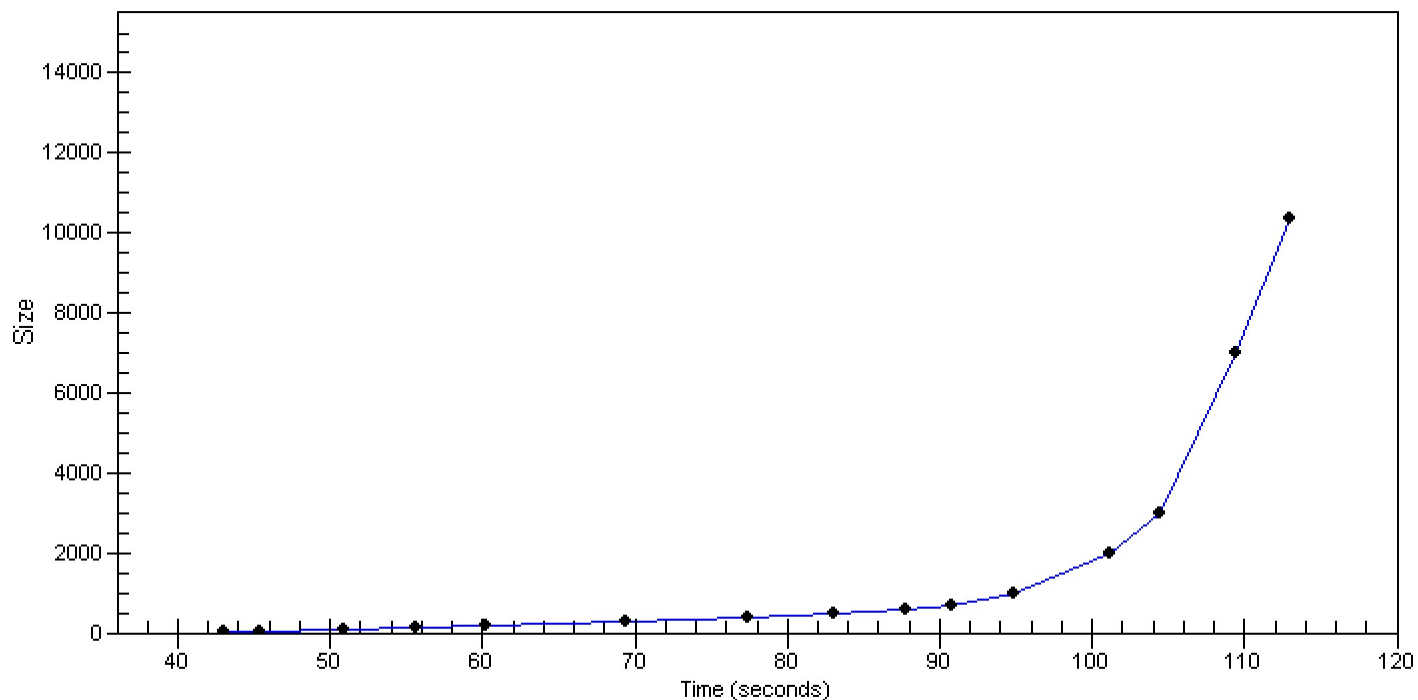


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-15\2014-05-15\_002.xad

Created: 5/15/2014 11:13:02 AM  
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**Curves**

**Standard Curve**



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-15\2014-05-15\_002.xad

Created: 5/15/2014 11:13:02 AM  
 Modified: 5/15/2014 11:55:21 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		5/15/2014 11:54:22 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\Data\2014-05-15\2014-05-15_002.xad)		Instrument	Run		5/15/2014 11:13:08 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		5/15/2014 11:13:08 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		5/15/2014 11:13:08 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		5/15/2014 11:13:08 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		5/15/2014 11:13:08 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		5/15/2014 11:13:08 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		5/15/2014 11:13:08 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1