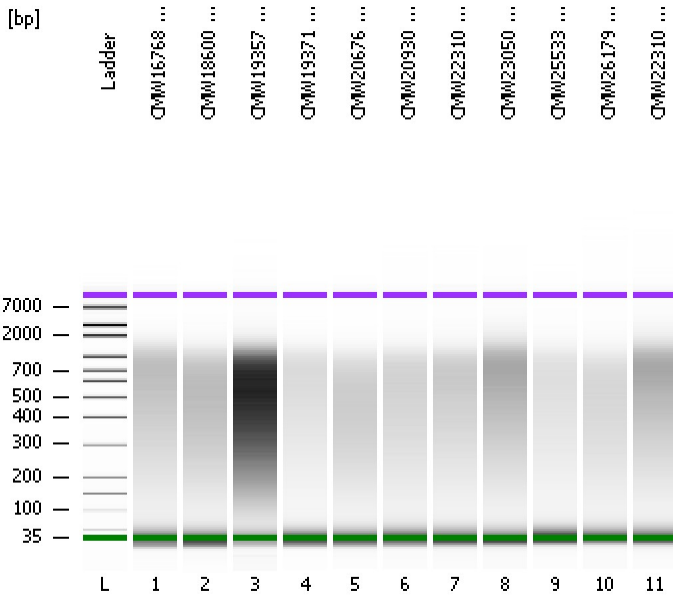


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-13\2014-05-13\_005.xad

Created: 5/13/2014 1:25:22 PM  
Modified: 5/13/2014 2:24:29 PM

Electrophoresis File Run Summary



Instrument Information:

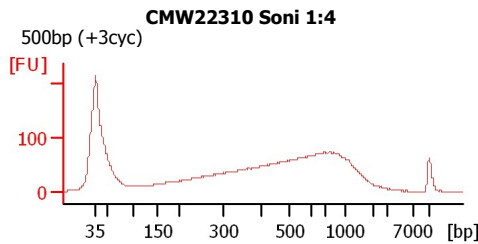
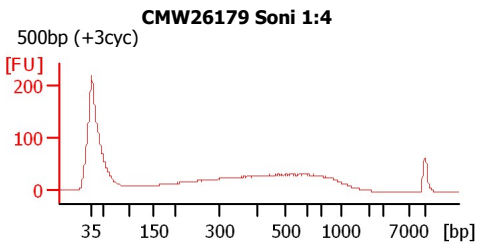
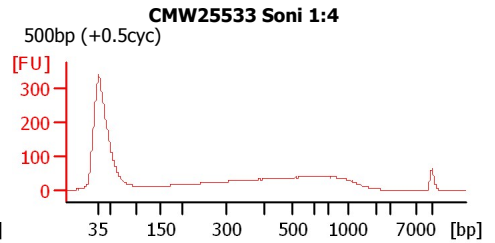
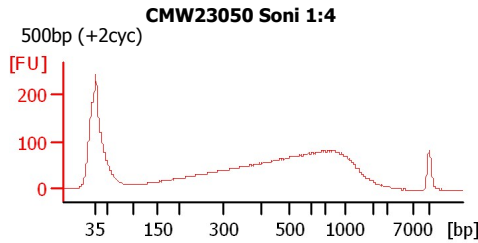
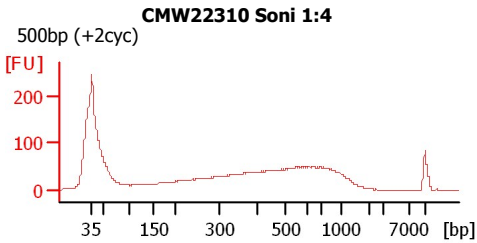
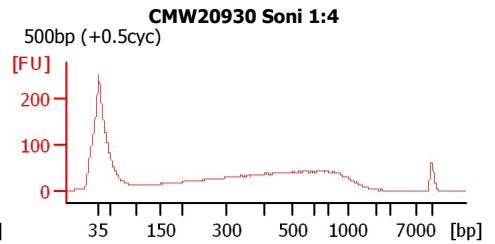
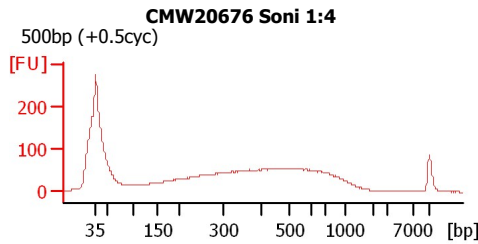
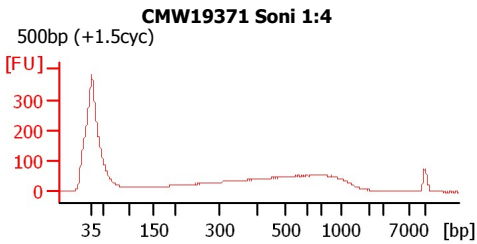
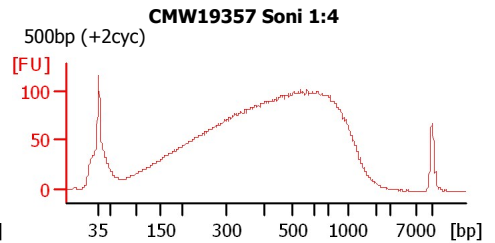
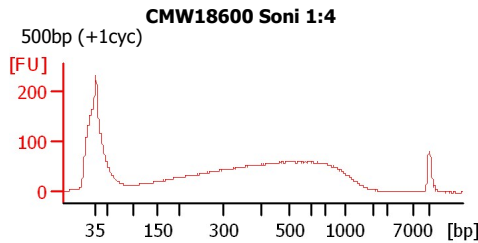
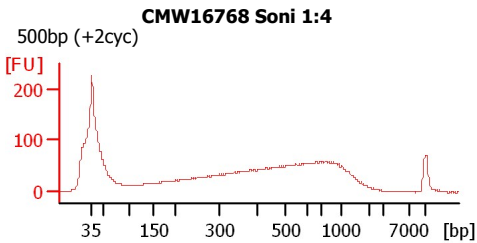
Instrument Name: DE13701086      Firmware: C.01.069  
Serial#: DE13701086      Type: G2938B

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\2014-05-13\2014-05-13\_005.xad

Created: 5/13/2014 1:25:22 PM  
Modified: 5/13/2014 2:24:29 PM

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

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
CMW16768 Soni 1:4	500bp (+2cyc)	<input type="checkbox"/>	✓			
CMW18600 Soni 1:4	500bp (+1cyc)	<input type="checkbox"/>	✓			
CMW19357 Soni 1:4	500bp (+2cyc)	<input type="checkbox"/>	✓			
CMW19371 Soni 1:4	500bp (+1.5cyc)	<input type="checkbox"/>	✓			
CMW20676 Soni 1:4	500bp (+0.5cyc)	<input type="checkbox"/>	✓			
CMW20930 Soni 1:4	500bp (+0.5cyc)	<input type="checkbox"/>	✓			
CMW22310 Soni 1:4	500bp (+2cyc)	<input type="checkbox"/>	✓			
CMW23050 Soni 1:4	500bp (+2cyc)	<input type="checkbox"/>	✓			
CMW25533 Soni 1:4	500bp (+0.5cyc)	<input type="checkbox"/>	✓			
CMW26179 Soni 1:4	500bp (+3cyc)	<input type="checkbox"/>	✓			
CMW22310 Soni 1:4	500bp (+3cyc)	<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\2014-05-13\2014-05-13\_005.xad

Created: 5/13/2014 1:25:22 PM  
 Modified: 5/13/2014 2:24:29 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

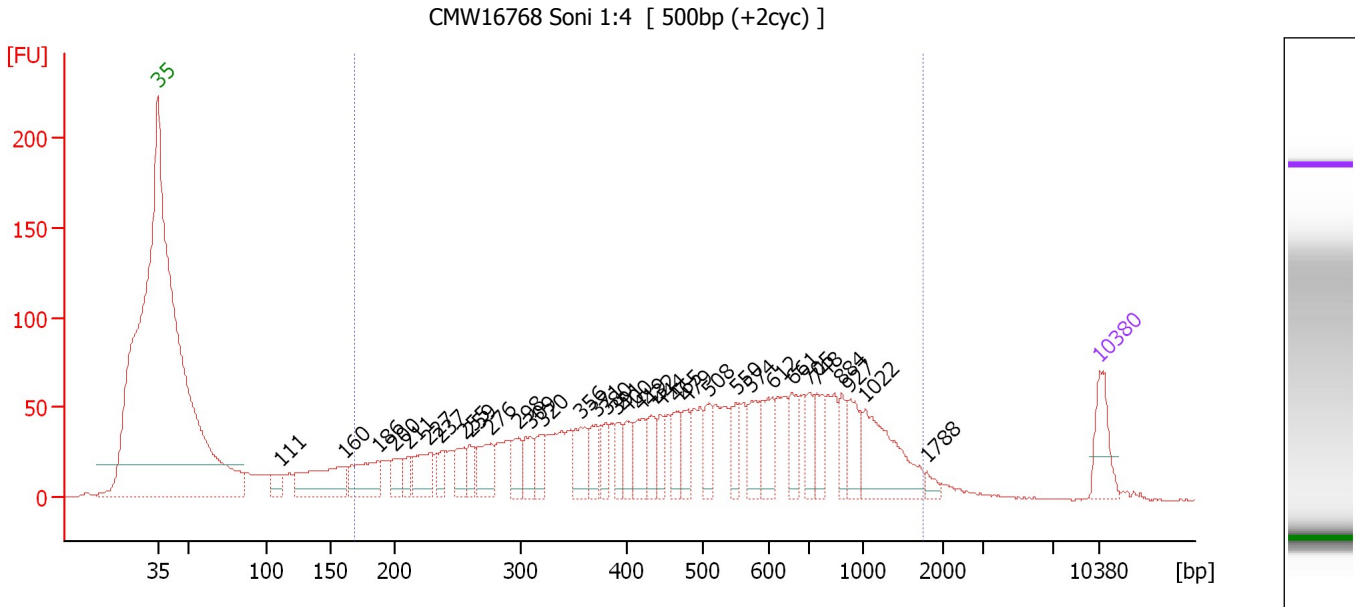
**Ladder**

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\2014-05-13\2014-05-13\_005.xad

Created: 5/13/2014 1:25:22 PM  
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**Electropherogram Summary**



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

Number of peaks found: 34                      Corr. Area 1: 2,181.4  
 Noise: 0.2

**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	111	51.11	699.9	
3	160	209.51	1,983.0	
4	186	143.11	1,162.9	
5	200	57.45	436.0	
6	211	41.78	299.3	
7	227	105.39	702.1	
8	237	47.71	305.4	
9	255	62.71	373.0	
10	259	46.59	272.2	
11	276	99.10	544.3	
12	298	67.87	345.1	
13	309	67.32	330.5	
14	320	67.72	320.4	
15	356	92.84	395.5	
16	371	69.41	283.5	
17	380	50.60	201.7	
18	391	50.32	195.3	
19	400	57.58	218.3	
20	419	78.10	282.3	
21	432	59.65	209.2	
22	444	52.02	177.6	
23	465	53.60	174.6	
24	479	57.96	183.4	
25	508	64.21	191.4	
26	550	56.77	156.3	

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-13\2014-05-13\_005.xad

Created: 5/13/2014 1:25:22 PM  
 Modified: 5/13/2014 2:24:29 PM

### Electropherogram Summary Continued ...

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

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	574	88.76	234.1	
28	612	76.06	188.2	
29	661	71.23	163.4	
30	705	59.43	127.7	
31	748	69.68	141.1	
32	884	47.64	81.6	
33	927	74.07	121.0	
34	1,022	191.71	284.3	
35	1,788	15.94	13.5	
36	▶ 10,380	75.00	10.9	Upper Marker

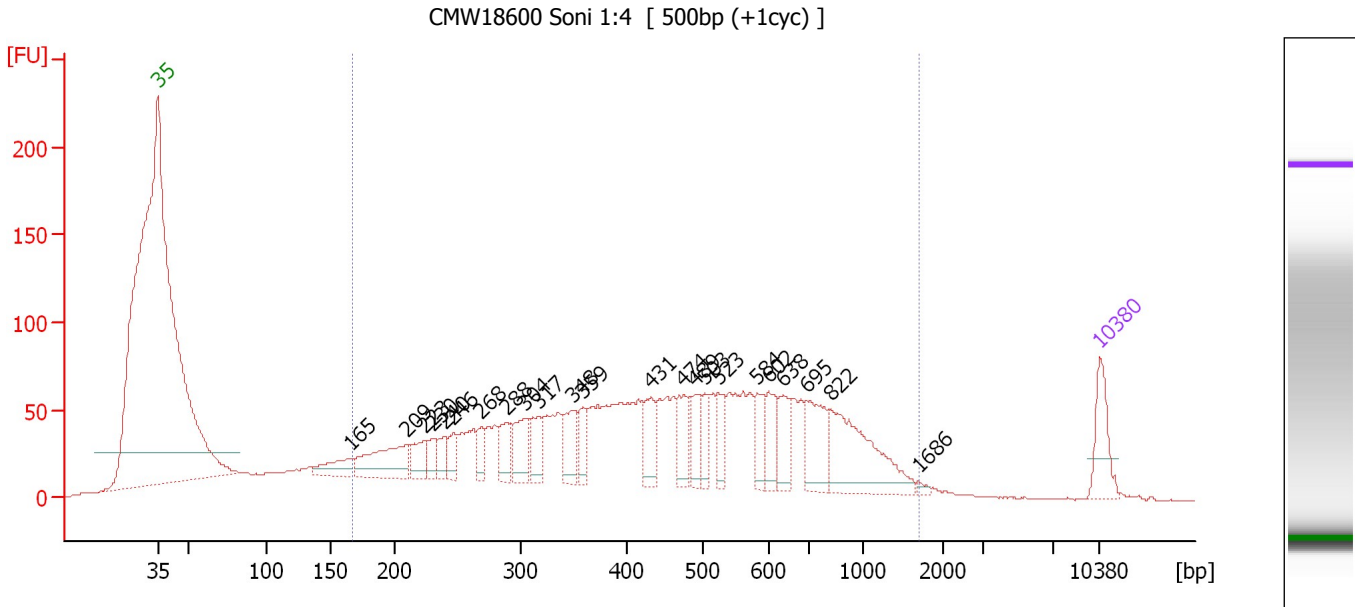
#### Region table for sample 1 : CMW16768 Soni 1:4

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
168	1,746	557	12,577.5	3,157.52	■ 2,181.4	88	55.3

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-13\2014-05-13\_005.xad

Created: 5/13/2014 1:25:22 PM  
 Modified: 5/13/2014 2:24:29 PM

**Electropherogram Summary Continued ...**



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

Number of peaks found: 23                      Corr. Area 1: 2,505.6  
 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	165	78.24	719.9	
3	209	182.31	1,322.4	
4	223	73.65	500.6	
5	230	42.95	283.3	
6	240	47.13	298.0	
7	246	49.54	304.7	
8	268	51.42	290.5	
9	288	68.68	360.7	
10	304	95.49	475.6	
11	317	77.03	368.7	
12	348	78.81	343.0	
13	359	55.14	233.0	
14	431	86.93	305.6	
15	474	83.95	268.3	
16	489	71.23	220.9	
17	503	58.04	174.9	
18	523	60.88	176.3	
19	584	64.00	166.0	
20	602	74.34	187.1	
21	638	81.27	193.0	
22	695	126.38	275.6	
23	822	249.03	458.8	
24	1,686	6.95	6.3	
25	10,380	75.00	10.9	Upper Marker

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-13\2014-05-13\_005.xad

Created: 5/13/2014 1:25:22 PM  
Modified: 5/13/2014 2:24:29 PM

**Electropherogram Summary Continued ...**

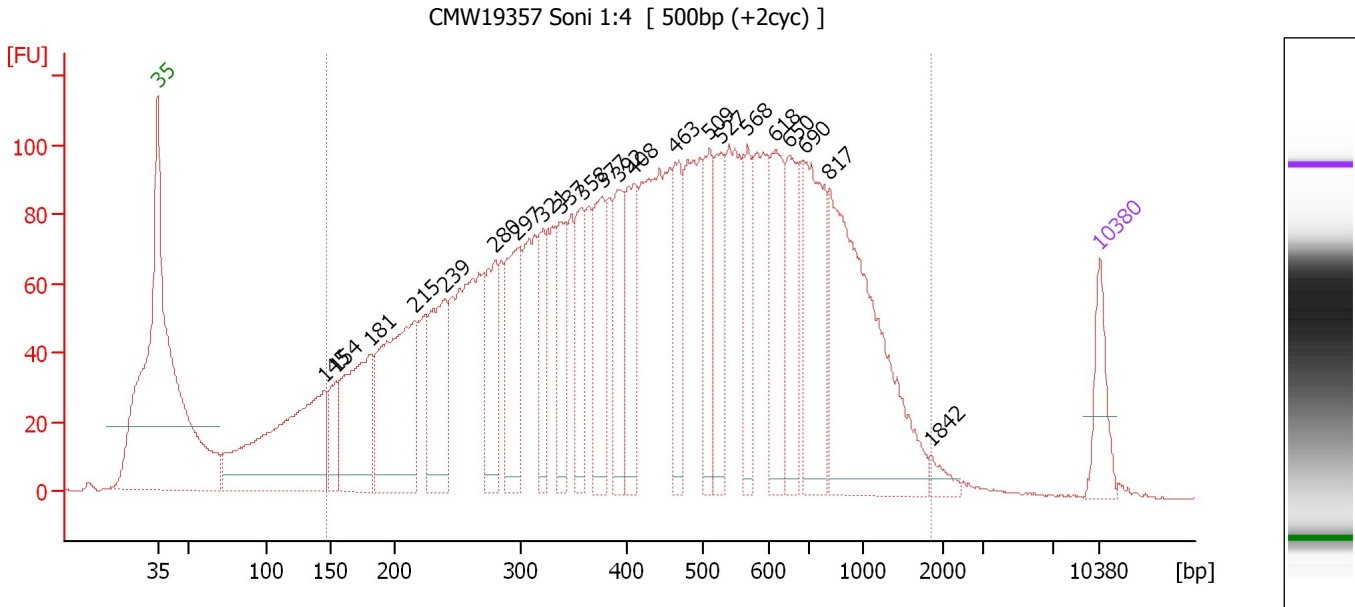
... Region table for sample 2 : CMW18600 Soni 1:4

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/ $\mu$ l]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
167	1,683	495	15,493.5	3,649.90	 2,505.6	89	52.0

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-13\2014-05-13\_005.xad

Created: 5/13/2014 1:25:22 PM  
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**Electropherogram Summary Continued ...**



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

Number of peaks found: 22                      Corr. Area 1: 4,191.6  
 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	145	635.67	6,661.7	
3	154	109.83	1,077.9	
4	181	350.36	2,932.8	
5	215	493.64	3,476.2	
6	239	267.67	1,696.8	
7	280	198.31	1,073.8	
8	297	250.46	1,276.4	
9	321	128.98	609.4	
10	337	157.85	709.6	
11	358	147.65	625.2	
12	377	205.06	824.9	
13	392	165.69	640.8	
14	408	174.33	647.7	
15	463	158.60	518.9	
16	509	147.80	439.8	
17	527	163.01	468.9	
18	568	117.59	313.6	
19	618	198.19	485.5	
20	650	179.11	417.5	
21	690	293.11	643.9	
22	817	606.17	1,123.9	
23	1,842	23.15	19.0	
24	10,380	75.00	10.9	Upper Marker



Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-13\2014-05-13\_005.xad

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Modified: 5/13/2014 2:24:29 PM

**Electropherogram Summary Continued ...**

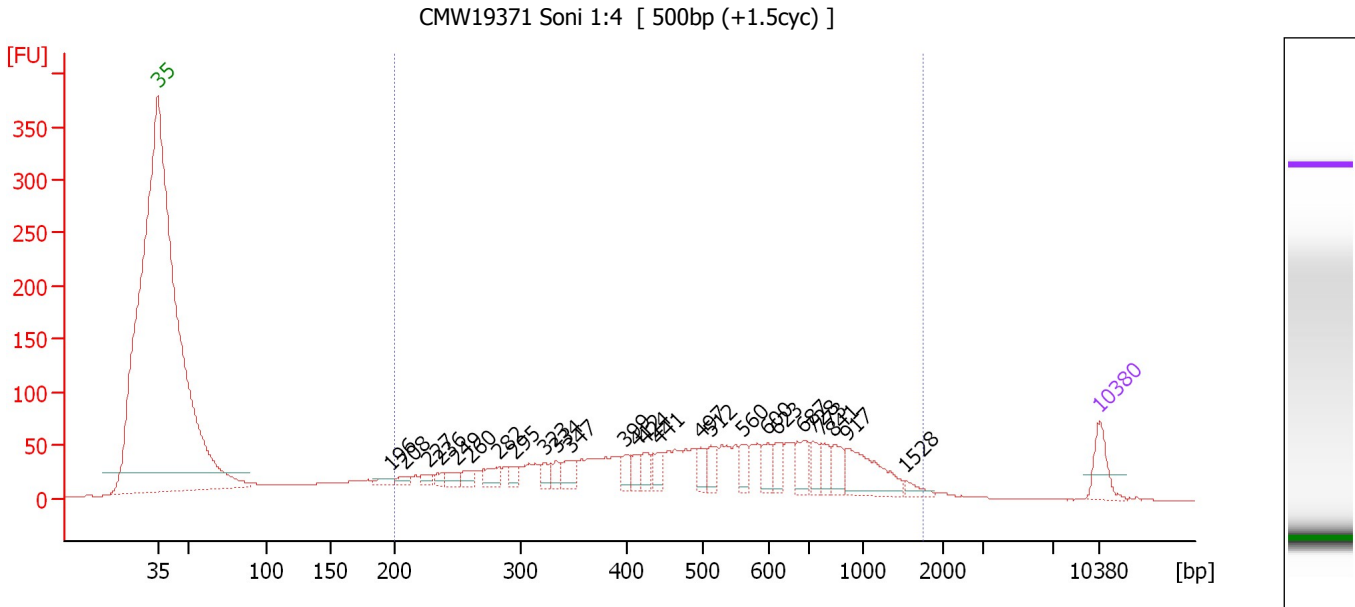
... Region table for sample 3 : CMW19357 Soni 1:4

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
146	1,853	501	32,281.7	7,369.04	4,191.6	93	55.0

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-13\2014-05-13\_005.xad

Created: 5/13/2014 1:25:22 PM  
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**Electropherogram Summary Continued ...**



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

Number of peaks found: 26                      Corr. Area 1: 1,891.3  
 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	196	25.88	200.3	
3	208	26.41	192.2	
4	227	28.61	190.8	
5	236	24.18	155.0	
6	249	36.49	221.7	
7	260	40.75	237.8	
8	282	60.94	327.6	
9	295	33.37	171.5	
10	323	39.35	184.7	
11	334	34.96	158.7	
12	347	58.73	256.3	
13	399	43.49	165.3	
14	412	47.79	176.0	
15	424	48.93	174.8	
16	441	49.04	168.4	
17	497	47.27	144.2	
18	512	59.21	175.2	
19	560	50.99	137.9	
20	600	56.42	142.6	
21	623	47.01	114.3	
22	687	79.13	174.4	
23	728	51.72	107.6	
24	773	48.72	95.4	
25	841	61.02	109.9	
26	917	179.65	297.0	

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-13\2014-05-13\_005.xad

Created: 5/13/2014 1:25:22 PM  
 Modified: 5/13/2014 2:24:29 PM

### Electropherogram Summary Continued ...

#### ... Peak table for sample 4 : CMW19371 Soni 1:4

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	1,528	23.27	23.1	
28	10,380	75.00	10.9	Upper Marker

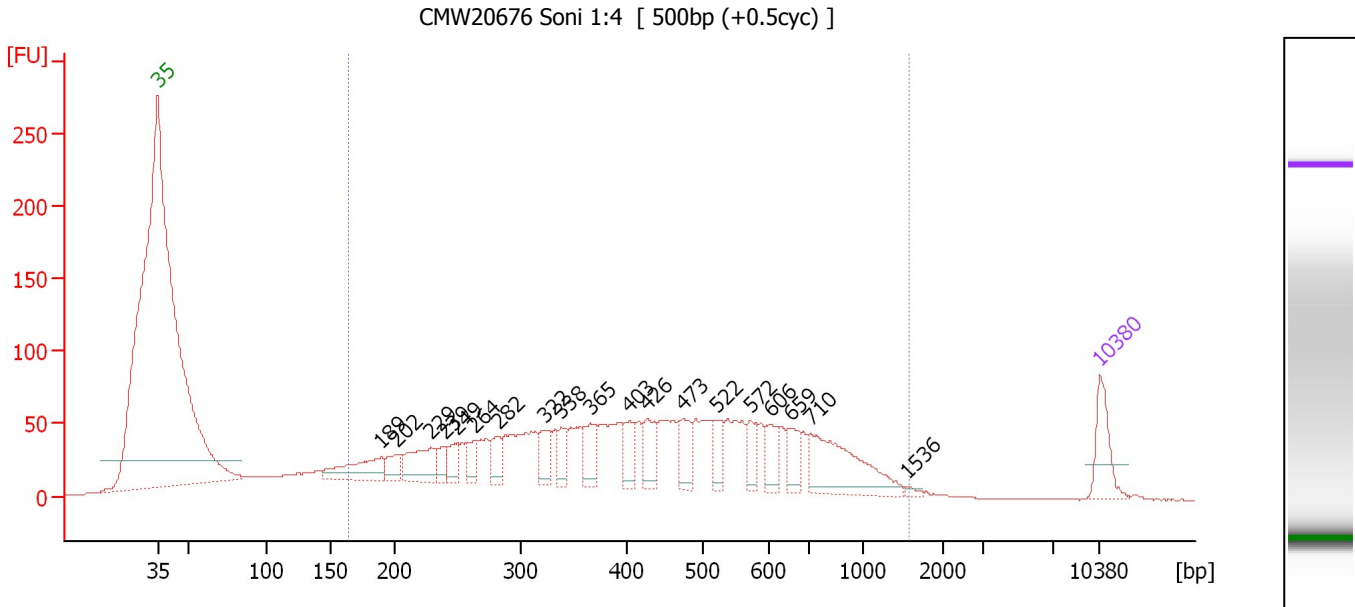
#### Region table for sample 4 : CMW19371 Soni 1:4

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
200	1,745	554	10,210.9	2,741.84	1,891.3	84	51.6

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-13\2014-05-13\_005.xad

Created: 5/13/2014 1:25:22 PM  
 Modified: 5/13/2014 2:24:29 PM

**Electropherogram Summary Continued ...**



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

Number of peaks found: 19                      Corr. Area 1: 2,262.0  
 Noise: 0.2

**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	189	140.92	1,127.6	
3	202	54.70	410.5	
4	229	128.36	849.2	
5	239	44.99	285.2	
6	249	50.30	306.2	
7	264	46.45	266.7	
8	282	56.58	304.5	
9	322	56.67	266.6	
10	338	53.39	239.4	
11	365	80.82	335.1	
12	403	64.90	244.0	
13	426	80.61	286.8	
14	473	75.60	242.4	
15	522	54.64	158.7	
16	572	49.93	132.2	
17	606	58.55	146.4	
18	659	58.74	135.0	
19	710	231.49	494.2	
20	1,536	6.63	6.5	
21	10,380	75.00	10.9	Upper Marker

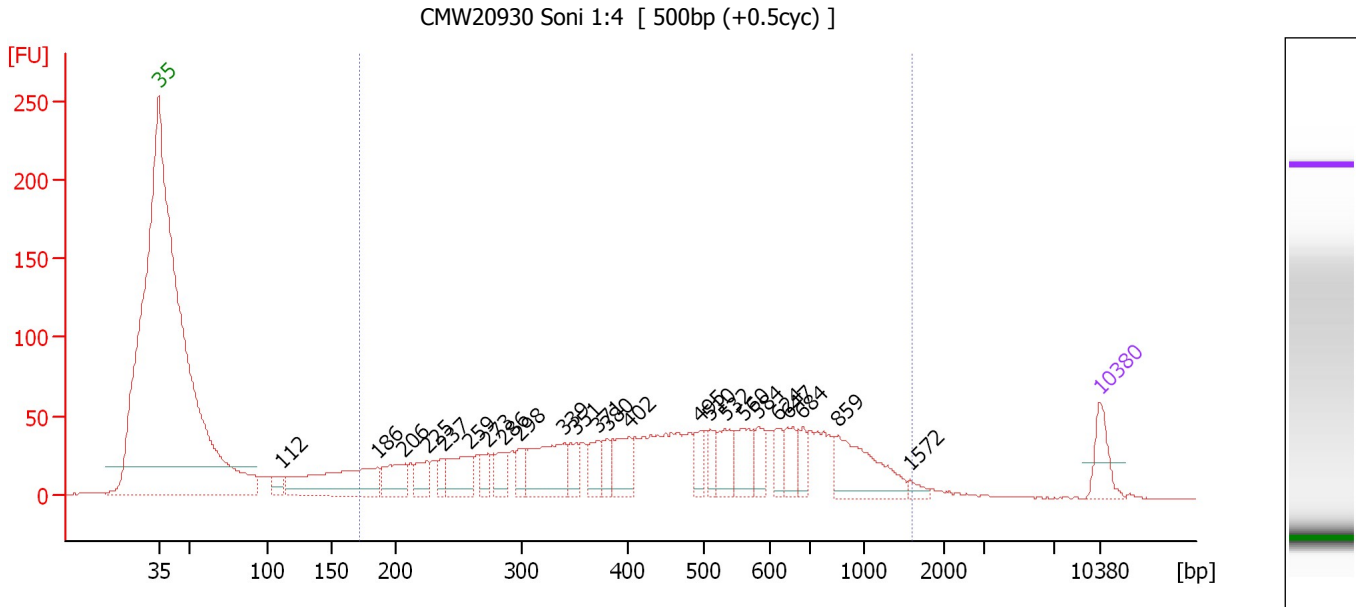
**Region table for sample 5 : CMW20676 Soni 1:4**

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
163	1,568	465	13,171.4	2,979.08	2,262.0	89	49.5

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-13\2014-05-13\_005.xad

Created: 5/13/2014 1:25:22 PM  
 Modified: 5/13/2014 2:24:29 PM

**Electropherogram Summary Continued ...**



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

Number of peaks found: 24                      Corr. Area 1: 1,706.9  
 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	112	49.27	666.9	
3	186	380.18	3,100.7	
4	206	127.54	936.6	
5	225	81.86	551.7	
6	237	50.70	323.9	
7	259	147.97	865.5	
8	273	57.68	320.7	
9	286	82.08	434.9	
10	298	64.17	326.5	
11	339	245.34	1,097.8	
12	351	68.42	295.7	
13	371	80.65	329.8	
14	380	56.12	223.8	
15	402	126.68	477.9	
16	495	61.48	188.0	
17	510	57.28	170.2	
18	532	106.75	304.1	
19	560	112.92	305.4	
20	584	69.42	180.0	
21	624	59.68	144.9	
22	647	76.40	179.0	
23	684	52.01	115.3	
24	859	226.15	399.1	
25	1,572	18.77	18.1	
26	10,380	75.00	10.9	Upper Marker

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-13\2014-05-13\_005.xad

Created: 5/13/2014 1:25:22 PM  
Modified: 5/13/2014 2:24:29 PM

**Electropherogram Summary Continued ...**

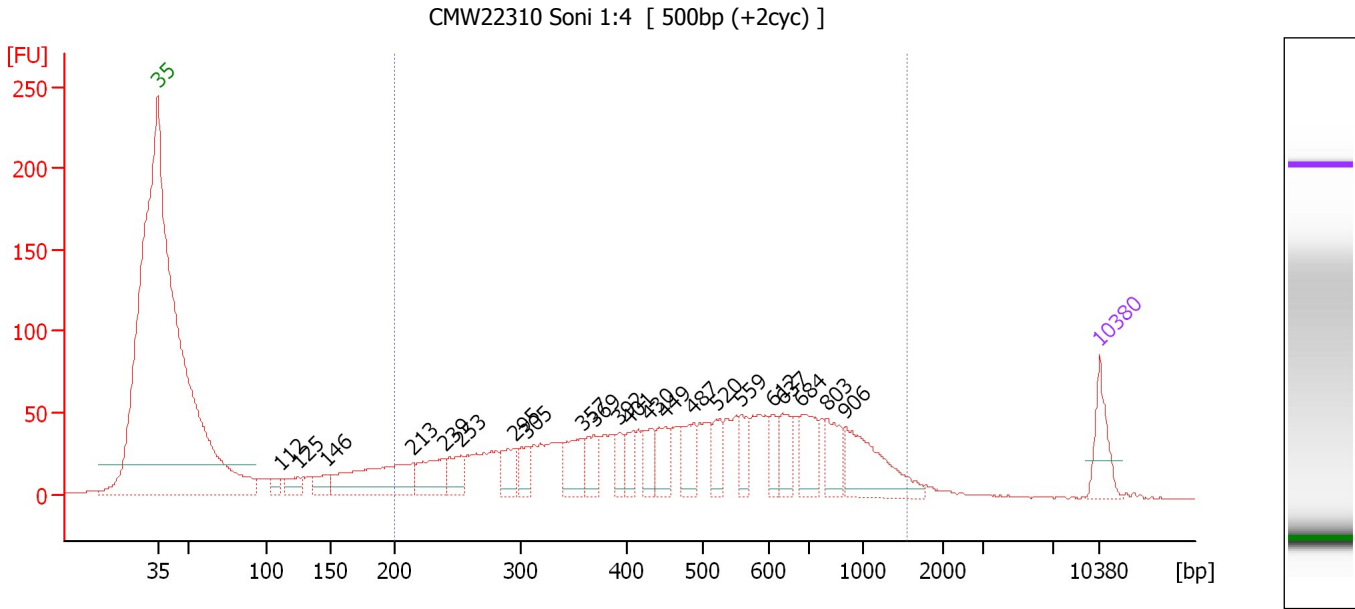
... Region table for sample 6 : CMW20930 Soni 1:4

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
171	1,601	509	12,234.3	2,962.57	■ 1,706.9	88	51.0

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-13\2014-05-13\_005.xad

Created: 5/13/2014 1:25:22 PM  
 Modified: 5/13/2014 2:24:29 PM

**Electropherogram Summary Continued ...**



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

Number of peaks found: 22                      Corr. Area 1: 1,723.4  
 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	112	29.97	407.0	
3	125	53.18	645.6	
4	146	52.70	545.7	
5	213	279.56	1,984.3	
6	239	127.97	810.6	
7	253	73.27	439.0	
8	295	83.05	427.1	
9	305	59.84	297.1	
10	357	104.24	441.9	
11	369	74.54	306.1	
12	392	48.68	188.1	
13	401	48.83	184.4	
14	430	65.05	229.5	
15	449	77.71	262.0	
16	487	94.02	292.4	
17	520	64.55	188.2	
18	559	64.14	174.0	
19	612	53.62	132.7	
20	637	73.40	174.5	
21	684	107.30	237.8	
22	803	86.37	163.0	
23	906	187.35	313.2	
24	10,380	75.00	10.9	Upper Marker

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-13\2014-05-13\_005.xad

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**Electropherogram Summary Continued ...**

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

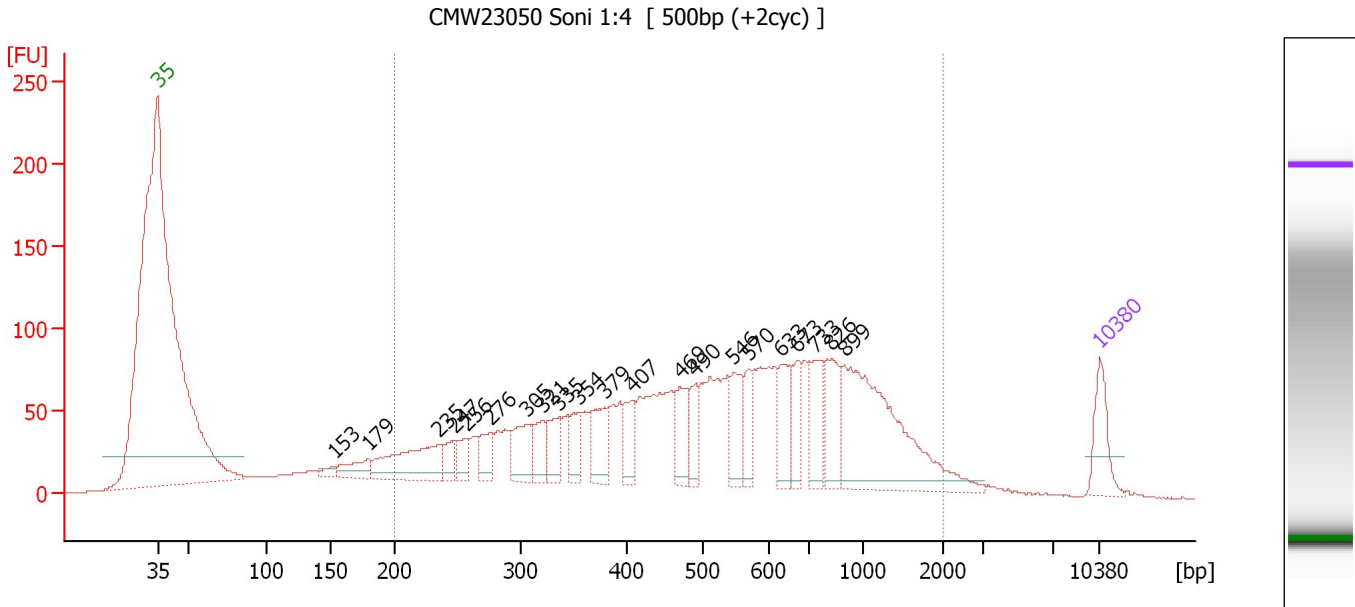
From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
200	1,555	533	9,139.0	2,425.69	 1,723.4	86	47.8



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-13\2014-05-13\_005.xad

Created: 5/13/2014 1:25:22 PM  
 Modified: 5/13/2014 2:24:29 PM

**Electropherogram Summary Continued ...**



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

Number of peaks found: 21                      Corr. Area 1: 2,716.4  
 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	153	21.95	218.1	
3	179	67.99	576.0	
4	235	212.31	1,369.2	
5	247	47.54	291.4	
6	256	50.55	298.7	
7	276	68.97	379.1	
8	305	121.12	601.9	
9	321	66.80	315.5	
10	335	72.87	329.3	
11	354	68.23	292.1	
12	379	107.94	431.8	
13	407	72.92	271.5	
14	469	96.81	312.4	
15	490	67.33	208.3	
16	546	102.19	283.7	
17	570	70.08	186.5	
18	633	92.70	221.9	
19	673	84.26	189.7	
20	733	107.05	221.3	
21	826	111.51	204.6	
22	899	463.71	781.9	
23	10,380	75.00	10.9	Upper Marker

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-13\2014-05-13\_005.xad

Created: 5/13/2014 1:25:22 PM  
Modified: 5/13/2014 2:24:29 PM

**Electropherogram Summary Continued ...**

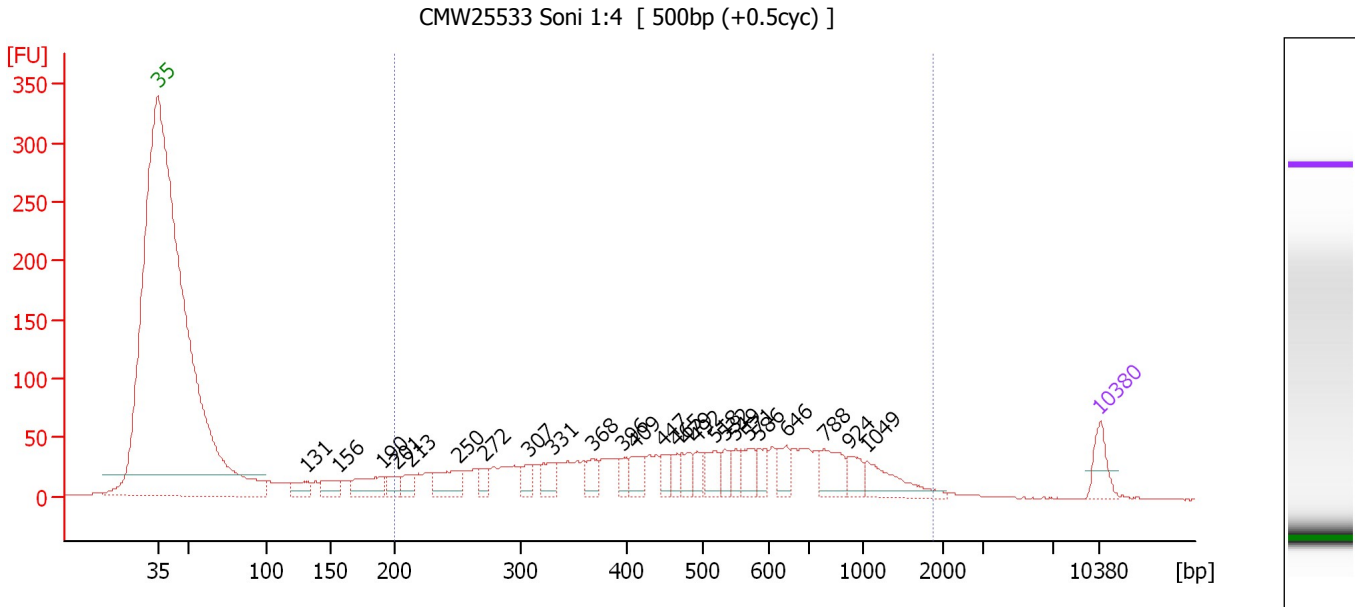
... Region table for sample 8 : CMW23050 Soni 1:4

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
200	1,980	610	12,574.5	3,543.28	 2,716.4	88	57.1

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-13\2014-05-13\_005.xad

Created: 5/13/2014 1:25:22 PM  
 Modified: 5/13/2014 2:24:29 PM

**Electropherogram Summary Continued ...**



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

Number of peaks found: 25                      Corr. Area 1: 1,514.2  
 Noise: 0.2

**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	131	79.11	914.7	
3	156	77.52	751.8	
4	190	135.91	1,084.3	
5	201	64.10	483.3	
6	213	55.80	397.4	
7	250	138.26	836.3	
8	272	48.53	270.6	
9	307	62.02	306.1	
10	331	90.05	412.4	
11	368	74.72	307.7	
12	396	51.07	195.4	
13	409	91.66	339.6	
14	447	57.49	194.9	
15	465	53.35	174.0	
16	479	66.21	209.3	
17	492	54.12	166.7	
18	518	81.82	239.3	
19	532	57.72	164.4	
20	549	52.68	145.4	
21	571	88.39	234.6	
22	586	59.30	153.3	
23	646	71.85	168.6	
24	788	125.10	240.4	
25	924	64.51	105.8	
26	1,049	135.05	195.0	

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-13\2014-05-13\_005.xad

Created: 5/13/2014 1:25:22 PM  
Modified: 5/13/2014 2:24:29 PM

**Electropherogram Summary Continued ...****... Peak table for sample 9 : CMW25533 Soni 1:4**

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

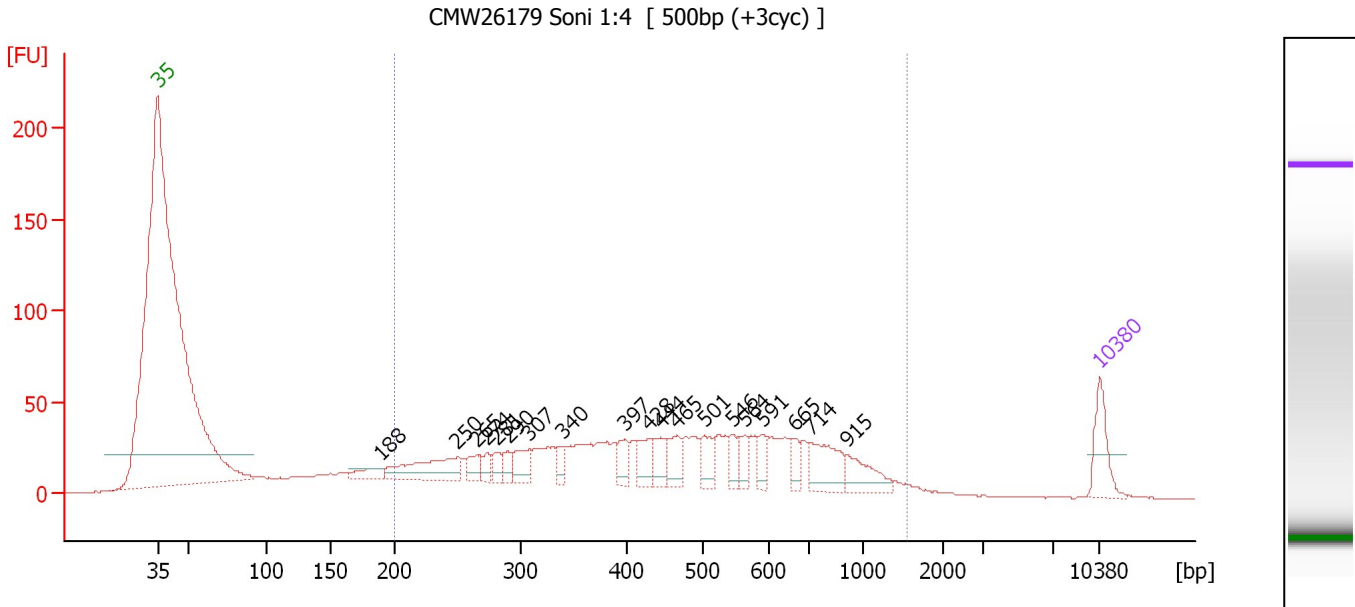
**Region table for sample 9 : CMW25533 Soni 1:4**

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/ $\mu$ l]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
200	1,877	552	9,728.2	2,576.44	1,514.2	85	54.3

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-13\2014-05-13\_005.xad

Created: 5/13/2014 1:25:22 PM  
 Modified: 5/13/2014 2:24:29 PM

**Electropherogram Summary Continued ...**



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

Number of peaks found: 19                      Corr. Area 1: 1,216.6  
 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	188	44.64	358.9	
3	250	166.12	1,008.8	
4	265	48.16	275.3	
5	274	31.82	176.3	
6	281	33.21	179.2	
7	290	36.14	189.0	
8	307	60.95	300.7	
9	340	37.01	165.0	
10	397	48.51	185.2	
11	428	61.07	216.0	
12	444	59.68	203.5	
13	465	66.42	216.3	
14	501	57.21	173.0	
15	546	40.12	111.4	
16	564	44.80	120.3	
17	591	38.38	98.3	
18	665	36.19	82.4	
19	714	115.30	244.6	
20	915	76.94	127.4	
21	10,380	75.00	10.9	Upper Marker

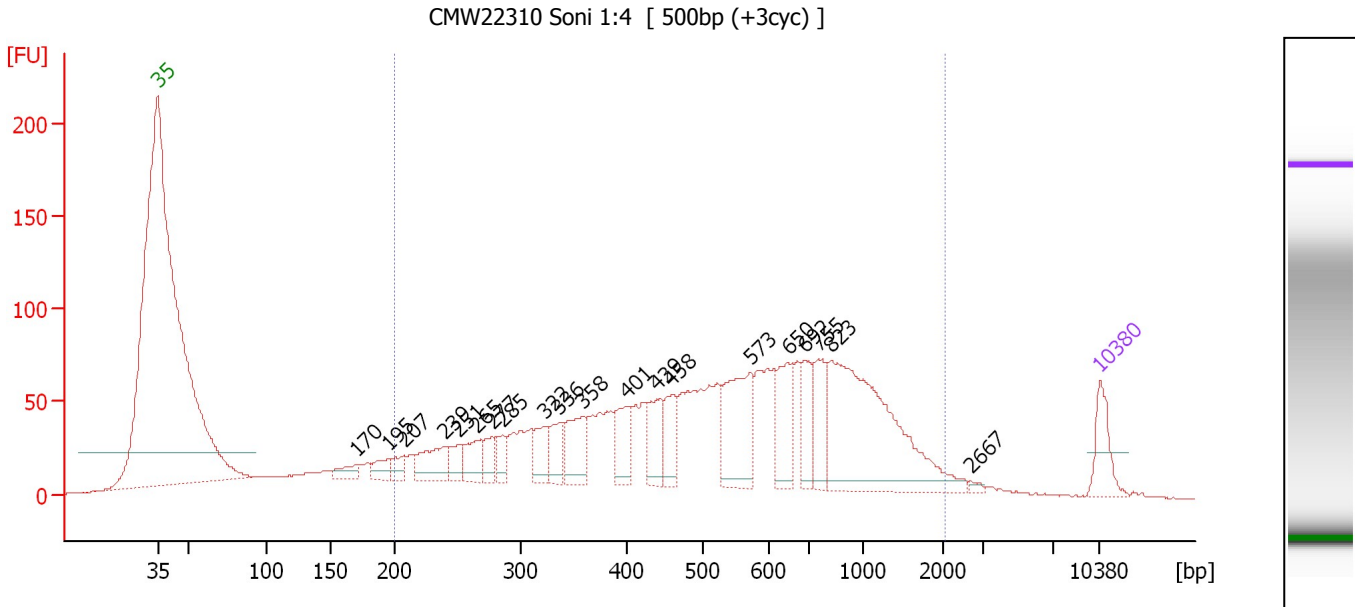
**Region table for sample 10 : CMW26179 Soni 1:4**

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
200	1,542	497	8,560.7	2,164.89	1,216.6	84	47.2

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-13\2014-05-13\_005.xad

Created: 5/13/2014 1:25:22 PM  
 Modified: 5/13/2014 2:24:29 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 11 : CMW22310 Soni 1:4**

Number of peaks found: 20                      Corr. Area 1: 2,261.3  
 Noise: 0.1

**Peak table for sample 11 : CMW22310 Soni 1:4**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	170	44.99	400.7	
3	195	49.74	386.8	
4	207	41.97	307.2	
5	239	124.10	785.1	
6	251	52.48	316.6	
7	265	84.52	482.9	
8	277	60.46	330.2	
9	285	51.12	271.4	
10	322	90.69	426.8	
11	336	80.96	364.6	
12	358	130.21	551.8	
13	401	101.30	383.1	
14	439	103.47	357.0	
15	458	101.49	335.5	
16	573	244.27	646.2	
17	650	143.89	335.3	
18	692	109.17	238.9	
19	755	119.75	240.2	
20	823	626.95	1,153.6	
21	2,667	7.30	4.1	
22	10,380	75.00	10.9	Upper Marker

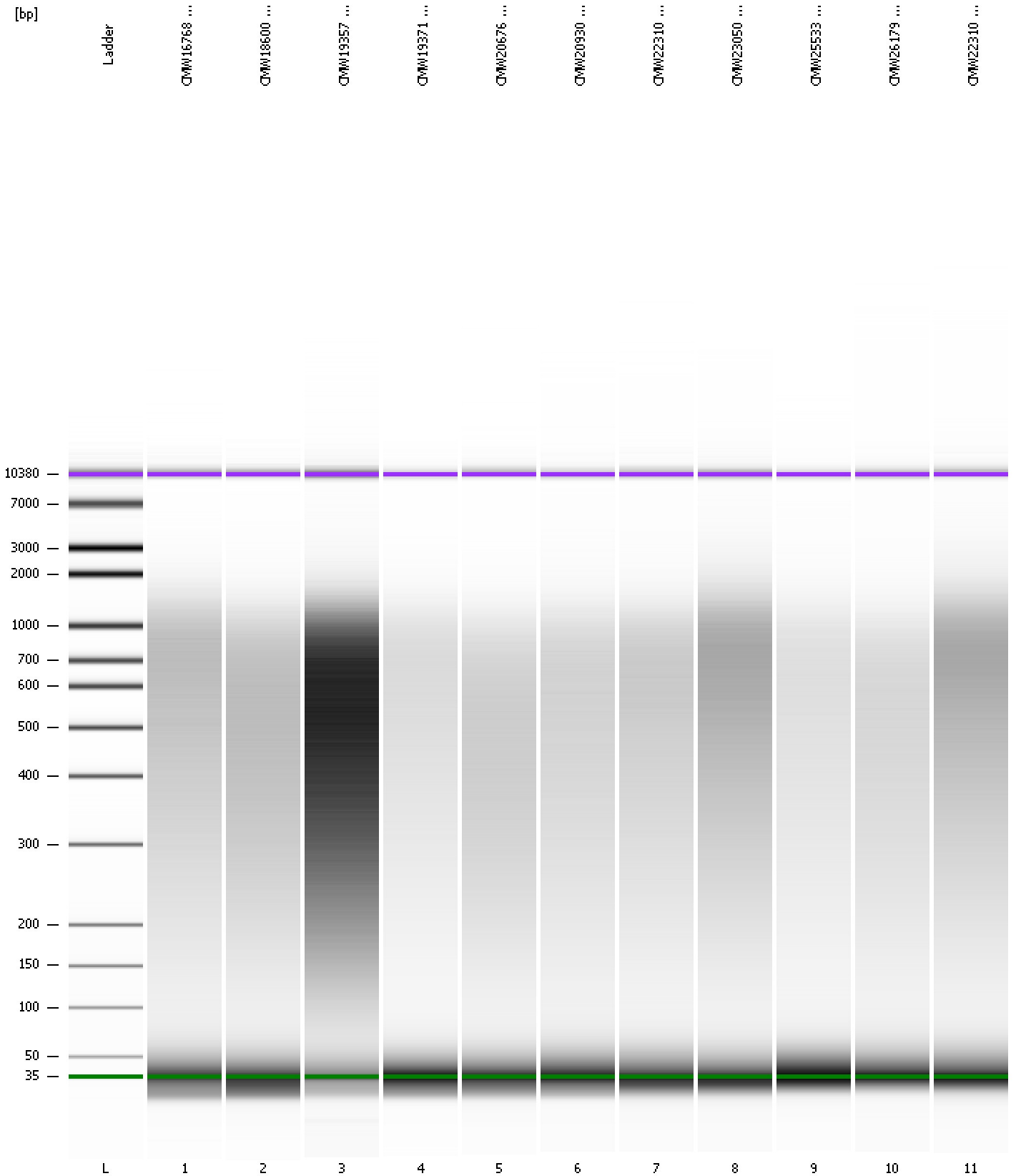
**Region table for sample 11 : CMW22310 Soni 1:4**

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
200	2,041	616	13,408.4	3,821.47	2,261.3	89	56.8

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-13\2014-05-13\_005.xad

Created: 5/13/2014 1:25:22 PM  
Modified: 5/13/2014 2:24:29 PM

**Gel Image**

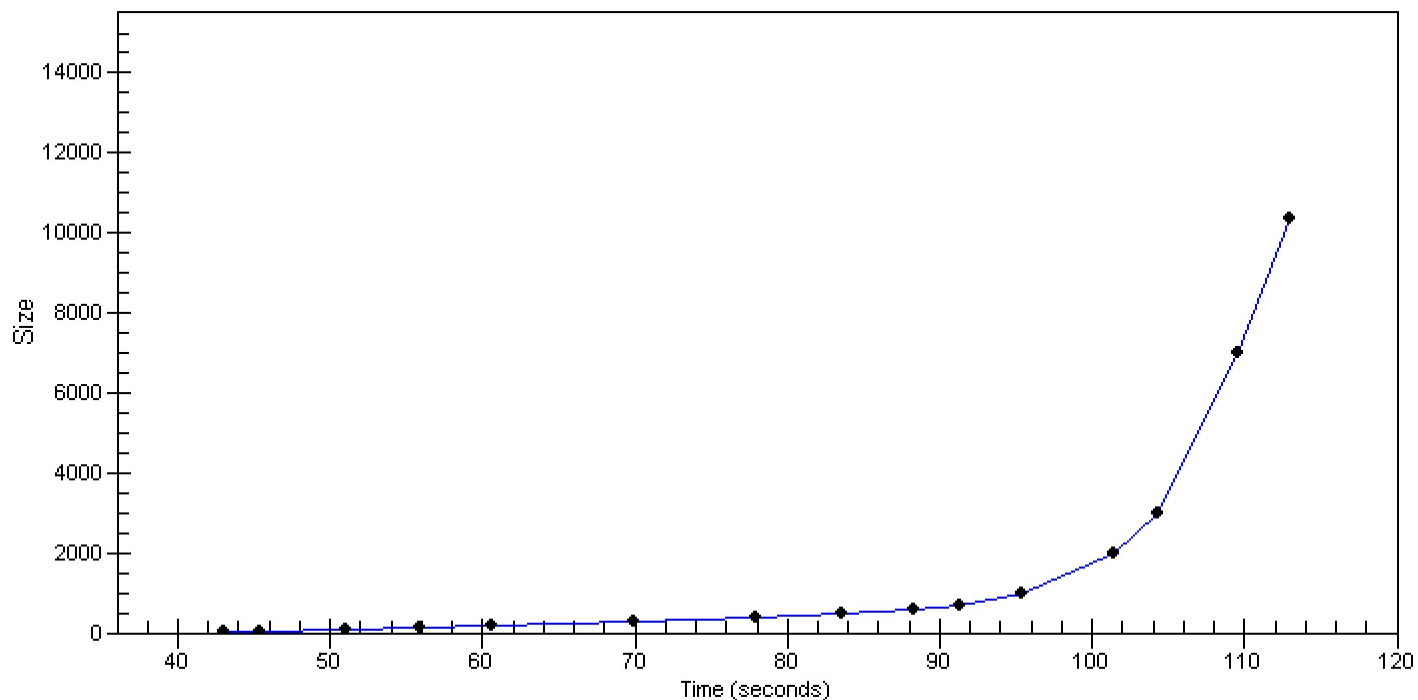


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-13\2014-05-13\_005.xad

Created: 5/13/2014 1:25:22 PM  
Modified: 5/13/2014 2:24:29 PM

**Curves**

**Standard Curve**





Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-13\2014-05-13\_005.xad

Created: 5/13/2014 1:25:22 PM  
 Modified: 5/13/2014 2:24:29 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		5/13/2014 2:05:46 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\2014-05-13\2014-05-13_005.xad)		Instrument	Run		5/13/2014 1:25:22 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		5/13/2014 1:25:22 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		5/13/2014 1:25:22 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		5/13/2014 1:25:22 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		5/13/2014 1:25:22 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		5/13/2014 1:25:22 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		5/13/2014 1:25:22 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1