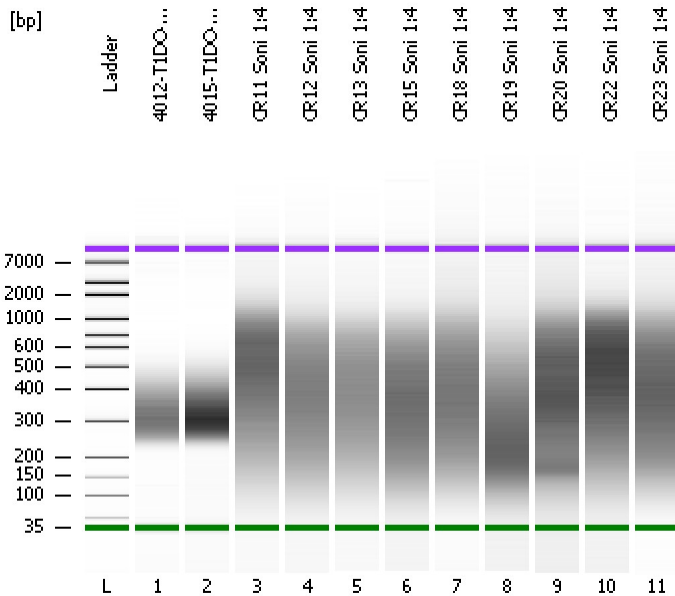


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2013-06-20\2013-06-20_001.xad

Created: 6/20/2013 9:25:08 AM
Modified: 6/20/2013 10:07:46 AM

Electrophoresis File Run Summary



Instrument Information:

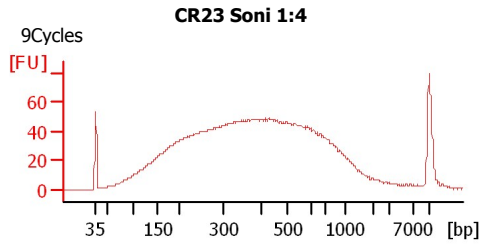
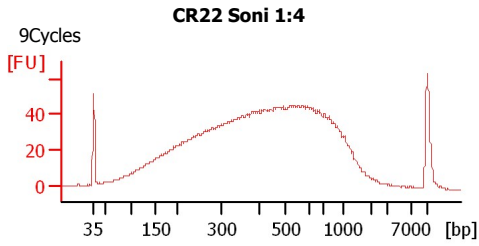
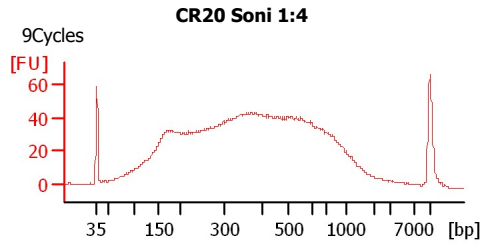
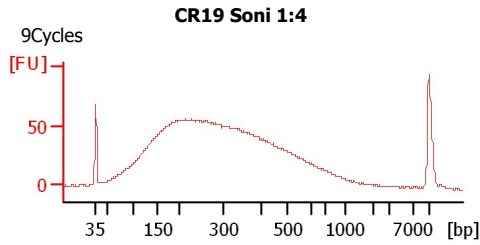
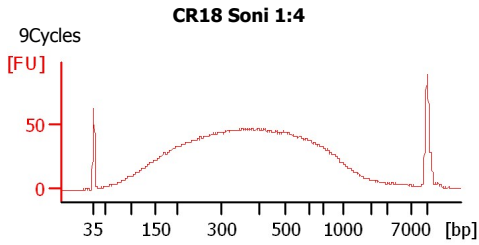
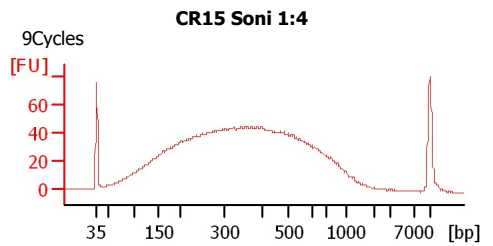
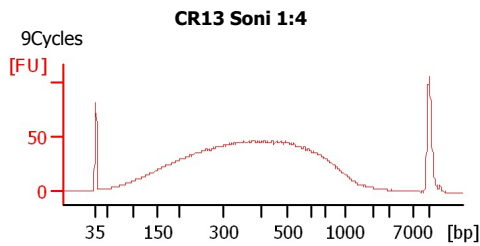
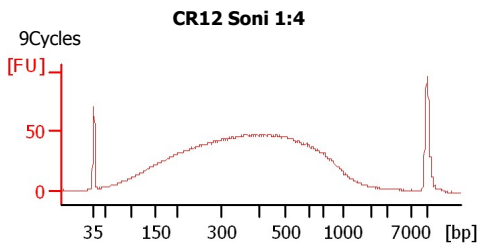
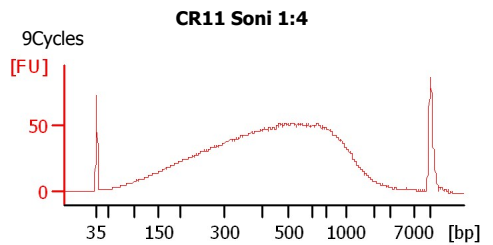
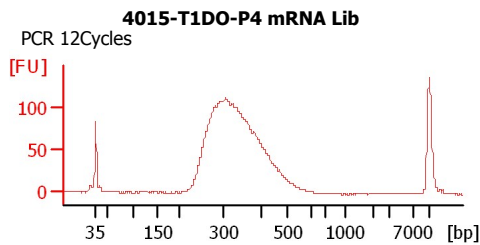
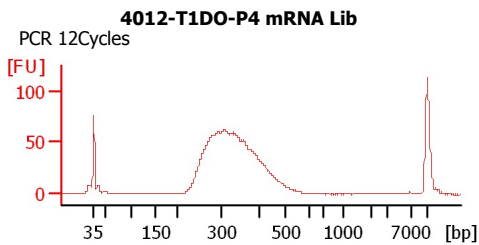
Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

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:\...ents and Settings\Bioanalyzer\2013-06-20\2013-06-20_001.xad

Created: 6/20/2013 9:25:08 AM
Modified: 6/20/2013 10:07:46 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
4012-T1DO-P4 mRNA Lib	PCR 12Cycles	<input type="checkbox"/>	✓			
4015-T1DO-P4 mRNA Lib	PCR 12Cycles	<input type="checkbox"/>	✓			
CR11 Soni 1:4	9Cycles	<input type="checkbox"/>	✓			
CR12 Soni 1:4	9Cycles	<input type="checkbox"/>	✓			
CR13 Soni 1:4	9Cycles	<input type="checkbox"/>	✓			
CR15 Soni 1:4	9Cycles	<input type="checkbox"/>	✓			
CR18 Soni 1:4	9Cycles	<input type="checkbox"/>	✓			
CR19 Soni 1:4	9Cycles	<input type="checkbox"/>	✓			
CR20 Soni 1:4	9Cycles	<input type="checkbox"/>	✓			
CR22 Soni 1:4	9Cycles	<input type="checkbox"/>	✓			
CR23 Soni 1:4	9Cycles	<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2013-06-20\2013-06-20_001.xad

Created: 6/20/2013 9:25:08 AM
Modified: 6/20/2013 10:07:46 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/ μ l] : 1950
Uses Standard Area for Ladder Fragments
Lower Marker Concentration [pg/ μ l] : 125
Upper Marker Concentration [pg/ μ l] : 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

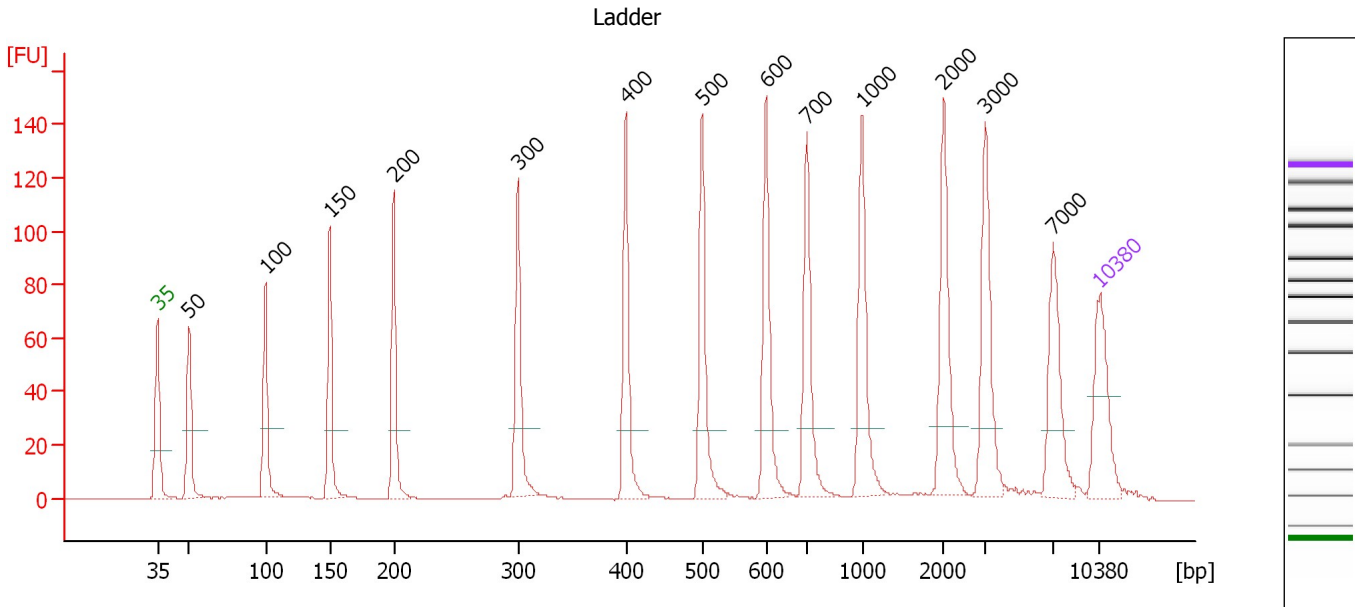
Ladder

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:\...ents and Settings\Bioanalyzer\2013-06-20\2013-06-20_001.xad

Created: 6/20/2013 9:25:08 AM
 Modified: 6/20/2013 10:07:46 AM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.1

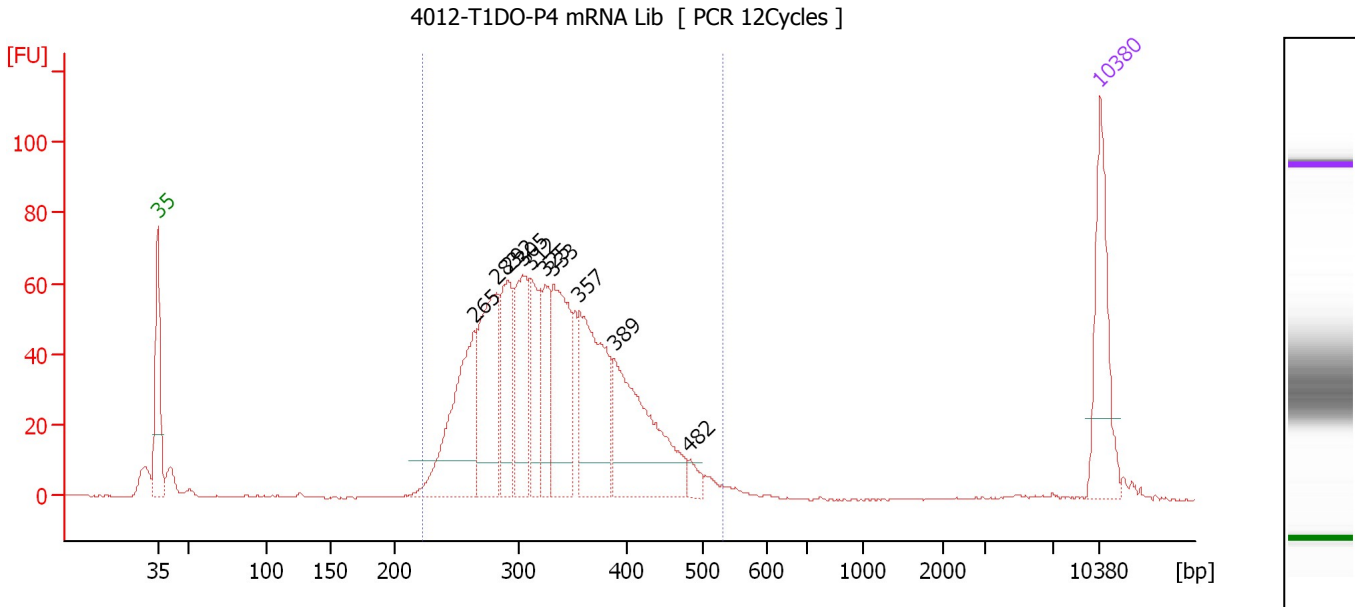
Peak table for Ladder

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:\...ents and Settings\Bioanalyzer\2013-06-20\2013-06-20_001.xad

Created: 6/20/2013 9:25:08 AM
 Modified: 6/20/2013 10:07:46 AM

Electropherogram Summary Continued ...



Setpoint Deviations for sample 1 : 4012-T1DO-P4 mRNA Lib

Height Threshold [FU] : 10

Overall Results for sample 1 : 4012-T1DO-P4 mRNA Lib

Number of peaks found: 10 Corr. Area 1: 1,157.4
 Noise: 0.1

Peak table for sample 1 : 4012-T1DO-P4 mRNA Lib

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	265	172.98	989.9	
3	283	151.86	813.9	
4	292	97.81	507.6	
5	305	101.82	506.4	
6	312	80.52	391.2	
7	325	60.83	283.3	
8	333	133.38	606.7	
9	357	160.10	679.4	
10	389	168.48	655.6	
11	482	11.86	37.3	
12	10,380	75.00	10.9	Upper Marker

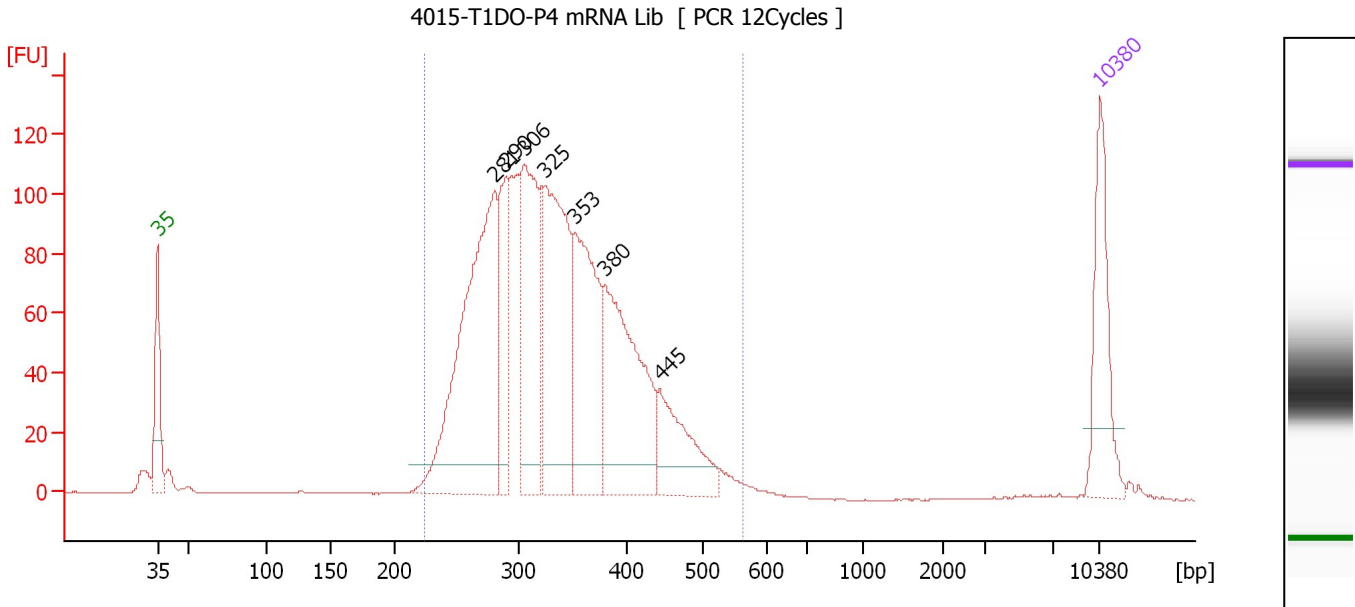
Region table for sample 1 : 4012-T1DO-P4 mRNA Lib

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
222	531	335	5,748.4	1,215.83	1,157.4	95	18.2	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-06-20\2013-06-20_001.xad

Created: 6/20/2013 9:25:08 AM
 Modified: 6/20/2013 10:07:46 AM

Electropherogram Summary Continued ...



Setpoint Deviations for sample 2 : 4015-T1DO-P4 mRNA Lib

Height Threshold [FU] : 10

Overall Results for sample 2 : 4015-T1DO-P4 mRNA Lib

Number of peaks found: 7 Corr. Area 1: 1,974.4
 Noise: 0.2

Peak table for sample 2 : 4015-T1DO-P4 mRNA Lib

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	281	394.12	2,121.5	
3	290	109.82	573.2	
4	306	199.38	988.0	
5	325	256.12	1,194.3	
6	353	194.46	835.7	
7	380	230.58	918.9	
8	445	93.15	317.5	
9	10,380	75.00	10.9	Upper Marker

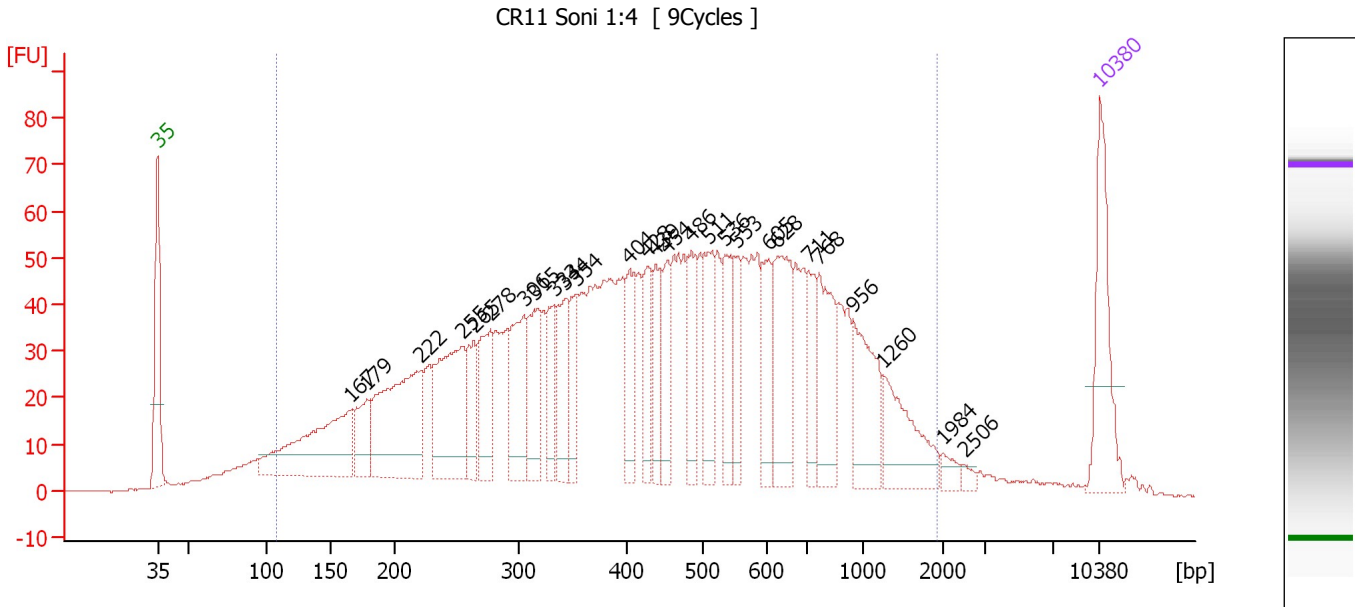
Region table for sample 2 : 4015-T1DO-P4 mRNA Lib

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
225	563	338	7,618.7	1,622.62	1,974.4	97	18.9	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-06-20\2013-06-20_001.xad

Created: 6/20/2013 9:25:08 AM
 Modified: 6/20/2013 10:07:46 AM

Electropherogram Summary Continued ...



Overall Results for sample 3 : CR11 Soni 1:4

Number of peaks found: 27 Corr. Area 1: 2,296.5
 Noise: 0.1

Peak table for sample 3 : CR11 Soni 1:4

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	167	185.09	1,682.1	
3	179	51.53	436.4	
4	222	206.23	1,407.6	
5	255	158.19	939.5	
6	265	49.53	283.5	
7	278	80.53	438.5	
8	306	92.90	460.7	
9	315	75.80	364.8	
10	333	44.06	200.3	
11	344	58.17	256.0	
12	354	44.86	192.0	
13	404	52.38	196.3	
14	428	52.51	185.9	
15	439	49.05	169.4	
16	454	52.74	176.0	
17	486	53.96	168.3	
18	511	63.43	187.9	
19	536	53.56	151.5	
20	553	45.67	125.1	
21	605	50.95	127.6	
22	628	100.35	242.1	
23	711	40.02	85.3	
24	768	81.92	161.7	
25	956	75.67	119.9	
26	1,260	70.12	84.3	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-06-20\2013-06-20_001.xad


Created: 6/20/2013 9:25:08 AM
 Modified: 6/20/2013 10:07:46 AM

Electropherogram Summary Continued ...

... Peak table for sample 3 : CR11 Soni 1:4

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	1,984	9.61	7.3	
28	2,506	4.89	3.0	
29	10,380	75.00	10.9	Upper Marker

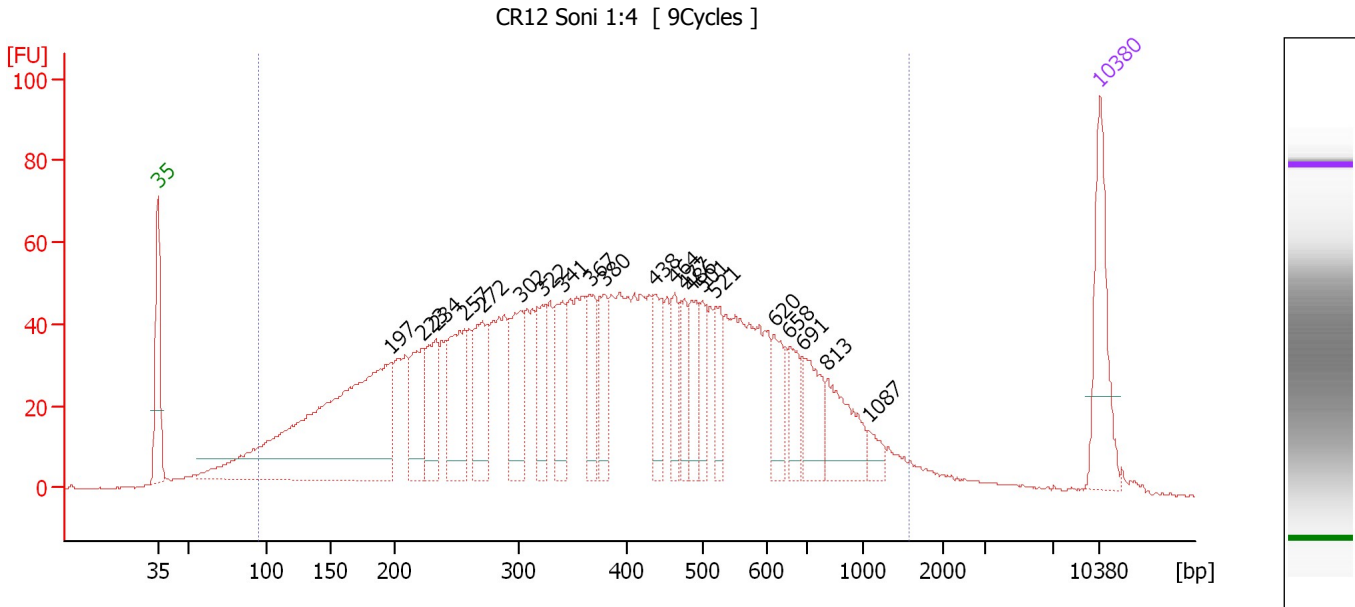
Region table for sample 3 : CR11 Soni 1:4

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
108	1,927	509	14,474.0	3,095.06	2,296.5	94	60.4	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-06-20\2013-06-20_001.xad

Created: 6/20/2013 9:25:08 AM
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Electropherogram Summary Continued ...



Overall Results for sample 4 : CR12 Soni 1:4

Number of peaks found: 21 Corr. Area 1: 2,344.3
 Noise: 0.2

Peak table for sample 4 : CR12 Soni 1:4

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	197	510.77	3,922.4	
3	223	82.90	564.0	
4	234	78.33	507.3	
5	257	118.85	701.0	
6	272	88.58	494.1	
7	302	84.58	424.4	
8	322	58.49	274.8	
9	341	67.68	300.5	
10	367	55.87	230.7	
11	380	54.27	216.4	
12	438	53.27	184.3	
13	464	42.71	139.4	
14	477	38.59	122.6	
15	486	47.17	147.1	
16	501	40.35	122.0	
17	521	40.49	117.8	
18	620	43.39	106.0	
19	658	38.56	88.8	
20	691	56.52	124.0	
21	813	68.26	127.3	
22	1,087	14.75	20.6	
23	10,380	75.00	10.9	Upper Marker

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2013-06-20\2013-06-20_001.xad

Created: 6/20/2013 9:25:08 AM
Modified: 6/20/2013 10:07:46 AM

Electropherogram Summary Continued ...

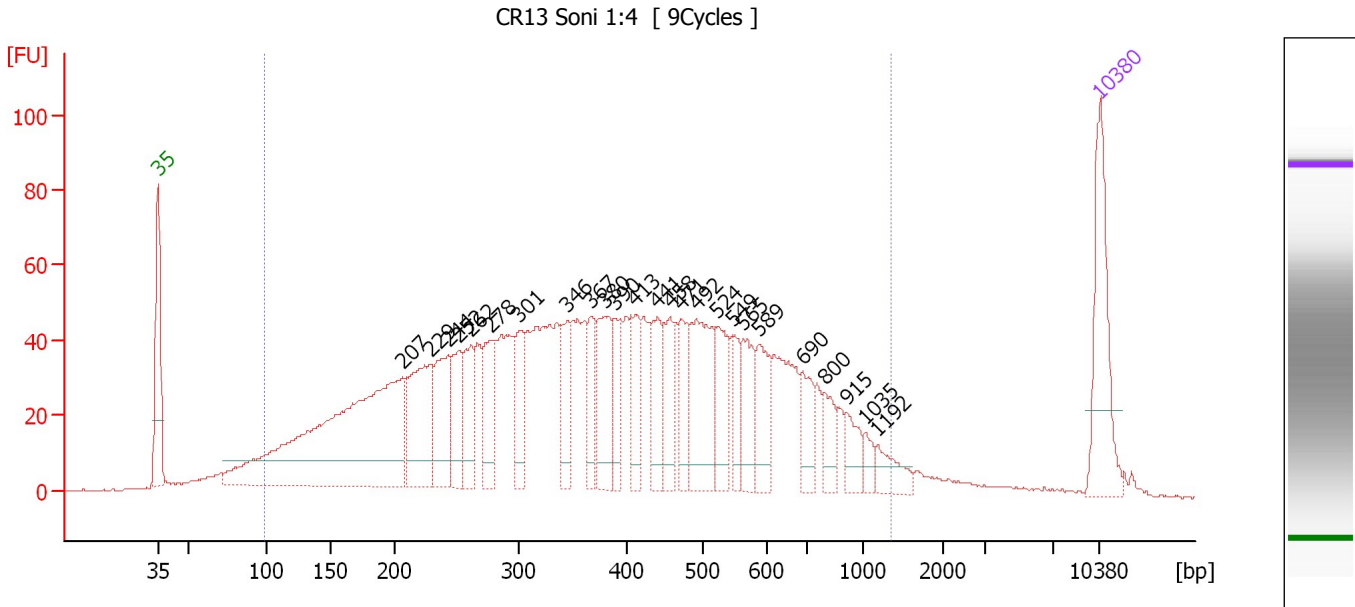
... Region table for sample 4 : CR12 Soni 1:4

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
95	1,574	419	16,365.8	2,996.90	2,344.3	94	54.5	■

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-06-20\2013-06-20_001.xad

Created: 6/20/2013 9:25:08 AM
 Modified: 6/20/2013 10:07:46 AM

Electropherogram Summary Continued ...



Setpoint Deviations for sample 5 : CR13 Soni 1:4

Height Threshold [FU] : 7

Overall Results for sample 5 : CR13 Soni 1:4

Number of peaks found: 25 Corr. Area 1: 2,215.3
 Noise: 0.2

Peak table for sample 5 : CR13 Soni 1:4

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	207	438.30	3,209.8	
3	229	122.82	812.1	
4	244	79.79	495.1	
5	252	53.63	321.8	
6	262	57.32	331.1	
7	278	67.57	368.5	
8	301	51.96	261.3	
9	346	46.68	204.5	
10	367	39.60	163.3	
11	380	71.36	284.2	
12	390	40.52	157.4	
13	413	39.84	146.2	
14	441	46.23	158.7	
15	458	45.65	151.0	
16	471	42.54	136.9	
17	492	102.89	317.0	
18	524	47.56	137.4	
19	549	28.48	78.7	
20	565	47.46	127.3	
21	589	43.72	112.5	
22	690	35.32	77.5	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-06-20\2013-06-20_001.xad


Created: 6/20/2013 9:25:08 AM
 Modified: 6/20/2013 10:07:46 AM

Electropherogram Summary Continued ...

... Peak table for sample 5 : CR13 Soni 1:4

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
23	800	26.02	49.3	
24	915	22.04	36.5	
25	1,035	11.55	16.9	
26	1,192	21.33	27.1	
27	10,380	75.00	10.9	Upper Marker

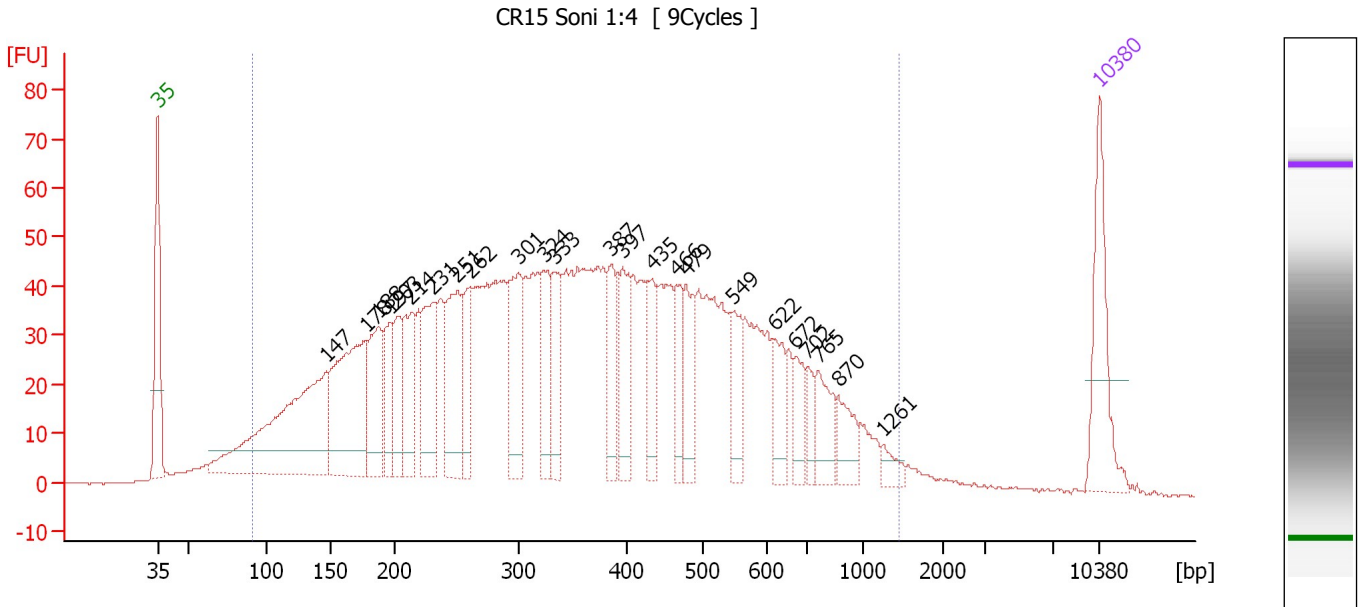
Region table for sample 5 : CR13 Soni 1:4

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
99	1,363	414	12,861.5	2,410.59	2,215.3	94	50.3	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-06-20\2013-06-20_001.xad

Created: 6/20/2013 9:25:08 AM
 Modified: 6/20/2013 10:07:46 AM

Electropherogram Summary Continued ...



Overall Results for sample 6 : CR15 Soni 1:4

Number of peaks found: 24 Corr. Area 1: 2,211.8
 Noise: 0.2

Peak table for sample 6 : CR15 Soni 1:4

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	147	336.21	3,463.1	
3	178	219.21	1,865.2	
4	188	102.80	827.5	
5	197	57.22	440.4	
6	203	63.16	471.3	
7	214	85.18	604.5	
8	231	99.82	653.9	
9	251	119.00	717.9	
10	262	64.47	373.4	
11	301	103.01	518.6	
12	324	69.65	325.4	
13	333	59.52	270.5	
14	387	61.64	241.4	
15	397	70.34	268.4	
16	435	55.11	192.0	
17	466	46.06	149.6	
18	479	50.55	159.9	
19	549	51.17	141.2	
20	622	39.54	96.3	
21	672	31.46	70.9	
22	702	21.11	45.6	
23	765	44.16	87.5	
24	870	34.30	59.7	
25	1,261	12.30	14.8	
26	10,380	75.00	10.9	Upper Marker

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2013-06-20\2013-06-20_001.xad

Created: 6/20/2013 9:25:08 AM
Modified: 6/20/2013 10:07:46 AM

Electropherogram Summary Continued ...

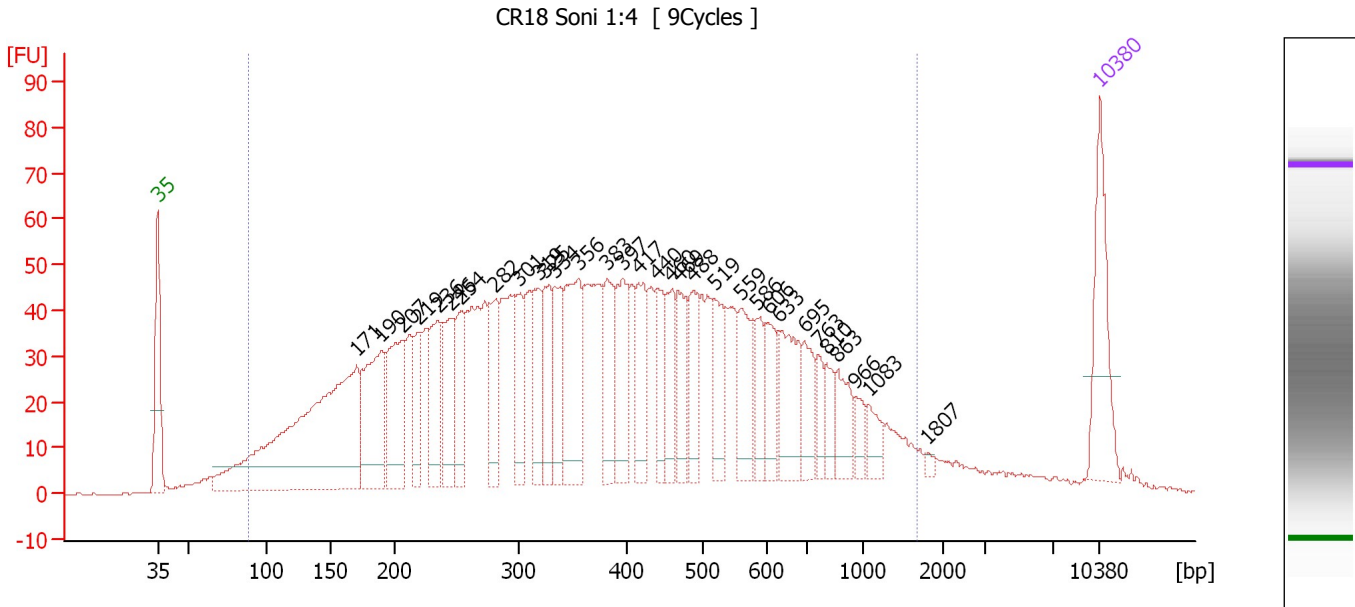
... Region table for sample 6 : CR15 Soni 1:4

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
92	1,459	393	19,648.5	3,401.43	2,211.8	95	53.4	■

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-06-20\2013-06-20_001.xad

Created: 6/20/2013 9:25:08 AM
 Modified: 6/20/2013 10:07:46 AM

Electropherogram Summary Continued ...



Overall Results for sample 7 : CR18 Soni 1:4

Number of peaks found: 32 Corr. Area 1: 2,323.2
 Noise: 0.3

Peak table for sample 7 : CR18 Soni 1:4

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	171	488.90	4,335.7	
3	190	152.55	1,213.9	
4	207	122.52	898.9	
5	219	59.27	409.6	
6	236	83.20	535.0	
7	246	82.98	511.7	
8	254	65.47	390.3	
9	282	65.08	350.1	
10	301	59.53	299.8	
11	319	58.69	279.2	
12	325	71.75	334.3	
13	334	61.39	278.2	
14	356	122.93	523.8	
15	383	71.82	284.1	
16	397	84.79	323.6	
17	417	66.97	243.2	
18	440	46.42	159.7	
19	460	55.60	183.0	
20	469	51.19	165.4	
21	488	47.37	147.2	
22	519	58.49	170.6	
23	559	64.95	175.9	
24	586	37.58	97.1	
25	606	44.84	112.1	
26	633	76.42	182.8	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-06-20\2013-06-20_001.xad


Created: 6/20/2013 9:25:08 AM
 Modified: 6/20/2013 10:07:46 AM

Electropherogram Summary Continued ...

... Peak table for sample 7 : CR18 Soni 1:4

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	695	40.59	88.5	
28	763	23.23	46.1	
29	810	22.47	42.1	
30	863	39.69	69.7	
31	966	16.60	26.0	
32	1,083	22.22	31.1	
33	1,807	3.55	3.0	
34	10,380	75.00	10.9	Upper Marker

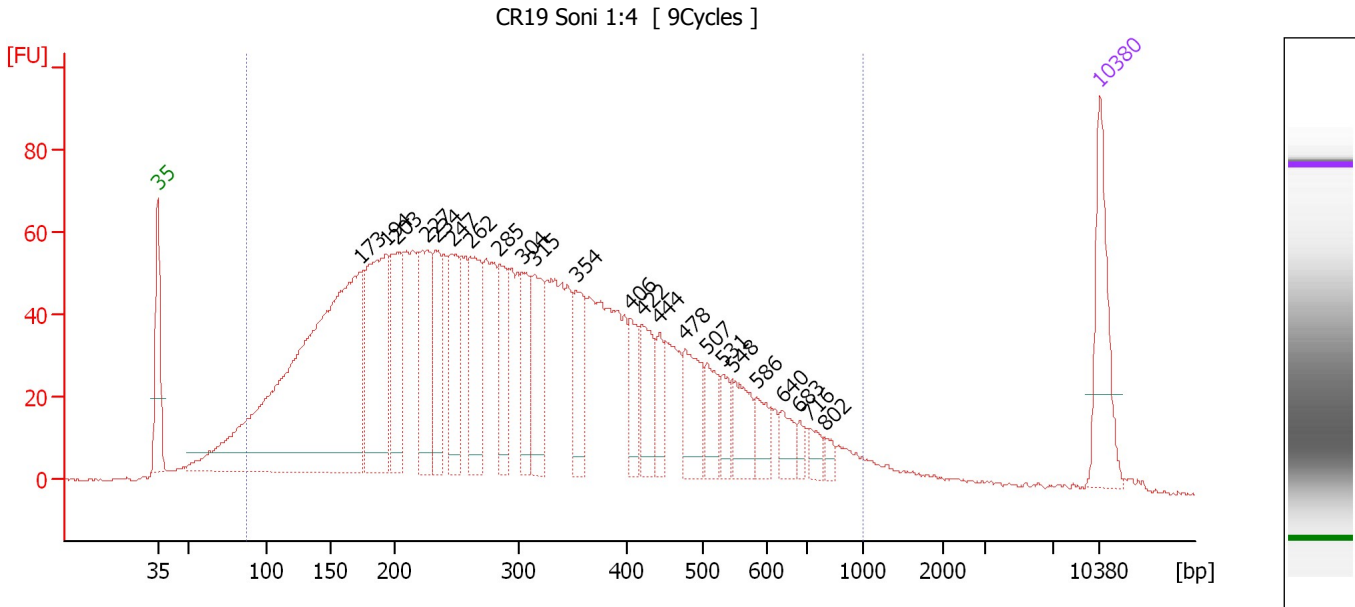
Region table for sample 7 : CR18 Soni 1:4

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
89	1,679	429	19,532.1	3,526.90	2,323.2	94	59.5	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-06-20\2013-06-20_001.xad

Created: 6/20/2013 9:25:08 AM
 Modified: 6/20/2013 10:07:46 AM

Electropherogram Summary Continued ...



Overall Results for sample 8 : CR19 Soni 1:4

Number of peaks found: 23 Corr. Area 1: 2,573.2
 Noise: 0.4

Peak table for sample 8 : CR19 Soni 1:4

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	173	811.87	7,093.0	
3	194	239.48	1,868.3	
4	203	117.83	881.2	
5	227	130.26	868.7	
6	234	90.93	588.5	
7	247	110.25	674.9	
8	262	110.04	636.5	
9	285	70.40	374.4	
10	304	69.67	347.1	
11	315	88.95	427.5	
12	354	67.48	288.9	
13	406	42.64	159.1	
14	422	61.42	220.7	
15	444	34.92	119.1	
16	478	67.39	213.5	
17	507	40.47	120.9	
18	531	26.27	74.9	
19	548	48.65	134.6	
20	586	27.75	71.7	
21	640	22.94	54.3	
22	683	10.67	23.7	
23	716	15.40	32.6	
24	802	8.76	16.5	
25	10,380	75.00	10.9	Upper Marker

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2013-06-20\2013-06-20_001.xad

Created: 6/20/2013 9:25:08 AM
Modified: 6/20/2013 10:07:46 AM

Electropherogram Summary Continued ...

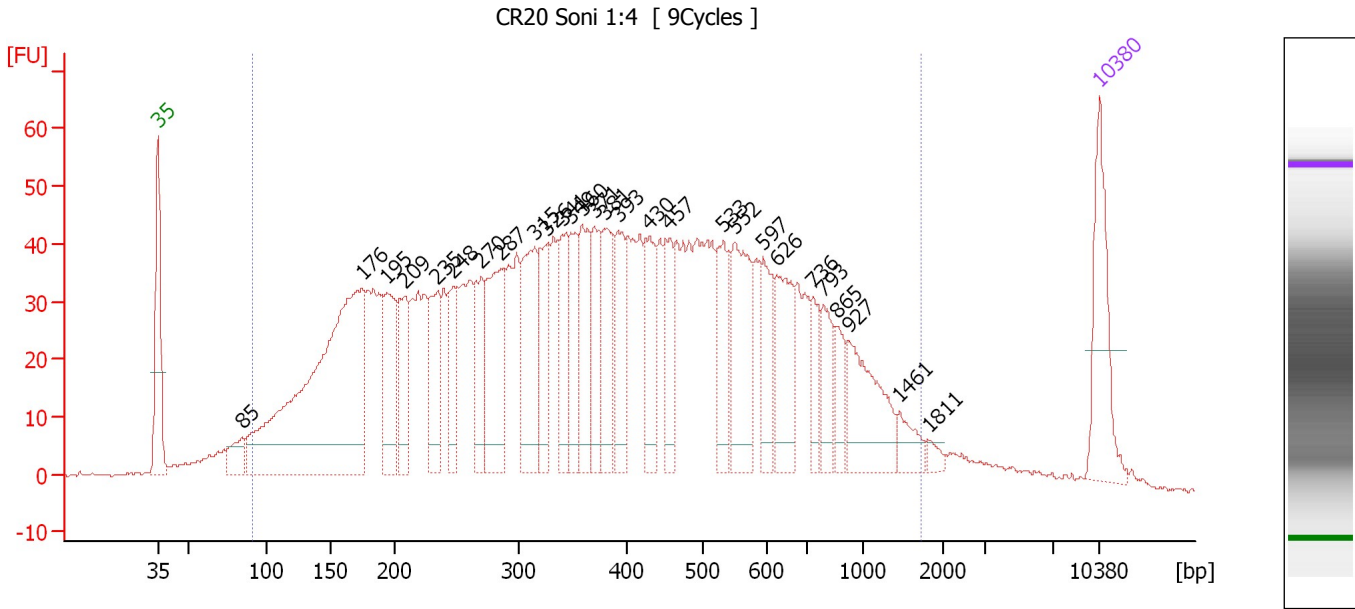
... Region table for sample 8 : CR19 Soni 1:4

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
88	1,000	321	24,163.5	3,594.53	2,573.2	94	49.7	■

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-06-20\2013-06-20_001.xad

Created: 6/20/2013 9:25:08 AM
 Modified: 6/20/2013 10:07:46 AM

Electropherogram Summary Continued ...



Overall Results for sample 9 : CR20 Soni 1:4

Number of peaks found: 28 Corr. Area 1: 2,199.9
 Noise: 0.3

Peak table for sample 9 : CR20 Soni 1:4

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	85	34.04	609.3	
3	176	558.98	4,824.6	
4	195	96.67	751.8	
5	209	81.77	593.8	
6	235	77.99	503.0	
7	248	59.64	364.6	
8	270	67.79	380.0	
9	287	134.96	712.6	
10	315	115.85	556.8	
11	326	69.69	323.6	
12	341	79.77	354.3	
13	349	60.49	262.5	
14	360	87.59	369.0	
15	371	63.09	257.9	
16	381	83.36	331.9	
17	393	71.50	275.7	
18	430	70.81	249.5	
19	457	57.52	190.7	
20	533	62.06	176.4	
21	552	107.89	296.2	
22	597	54.51	138.4	
23	626	74.82	181.1	
24	736	32.63	67.2	
25	793	39.99	76.4	
26	865	26.66	46.7	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-06-20\2013-06-20_001.xad


Created: 6/20/2013 9:25:08 AM
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Electropherogram Summary Continued ...

... Peak table for sample 9 : CR20 Soni 1:4

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	927	85.48	139.8	
28	1,461	19.96	20.7	
29	1,811	7.00	5.9	
30	10,380	75.00	10.9	Upper Marker

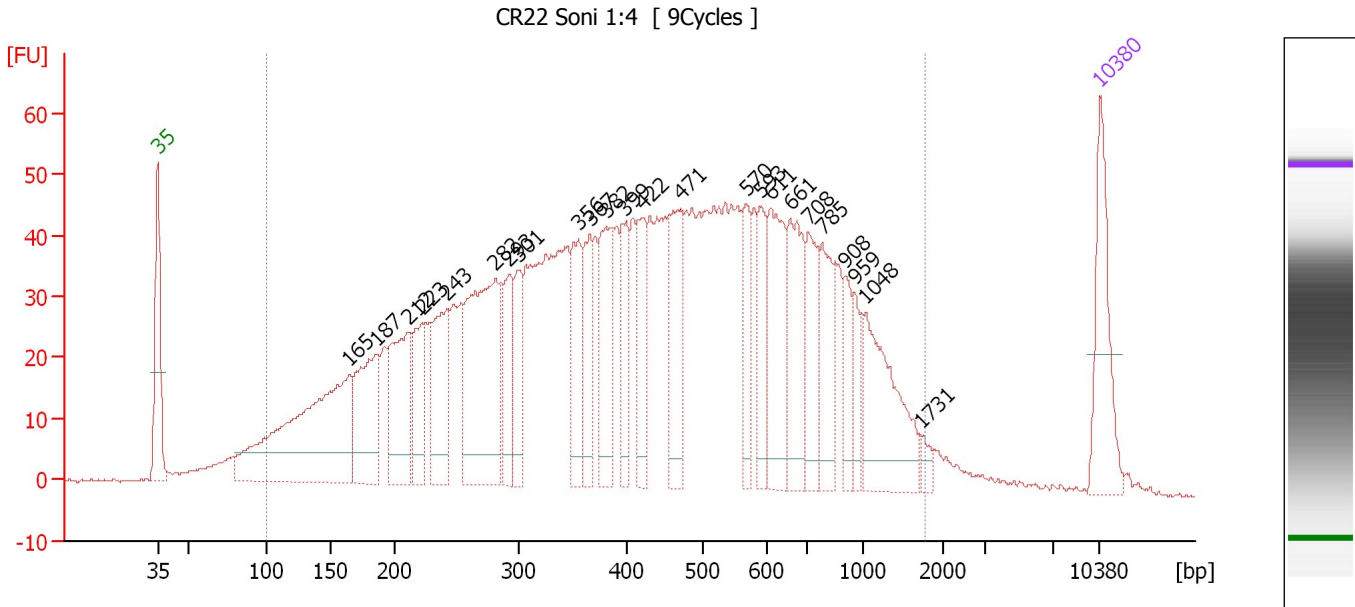
Region table for sample 9 : CR20 Soni 1:4

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
92	1,727	438	20,814.1	3,784.13	2,199.9	95	60.6	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-06-20\2013-06-20_001.xad

Created: 6/20/2013 9:25:08 AM
 Modified: 6/20/2013 10:07:46 AM

Electropherogram Summary Continued ...



Overall Results for sample 10 : CR22 Soni 1:4

Number of peaks found: 24 Corr. Area 1: 2,041.0
 Noise: 0.3

Peak table for sample 10 : CR22 Soni 1:4

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	165	353.46	3,242.9	
3	187	139.01	1,127.8	
4	212	136.60	976.9	
5	223	74.64	507.8	
6	243	118.42	739.1	
7	282	243.29	1,308.1	
8	293	73.23	378.5	
9	301	64.70	325.8	
10	356	82.86	352.3	
11	367	68.57	283.2	
12	382	101.74	403.6	
13	399	59.16	224.8	
14	422	63.84	229.2	
15	471	90.51	291.0	
16	570	52.84	140.5	
17	593	54.69	139.7	
18	611	105.52	261.7	
19	661	94.83	217.5	
20	708	69.67	149.1	
21	785	72.22	139.5	
22	908	33.53	55.9	
23	959	29.33	46.3	
24	1,048	115.82	167.5	
25	1,731	10.05	8.8	
26	10,380	75.00	10.9	Upper Marker

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2013-06-20\2013-06-20_001.xad

Created: 6/20/2013 9:25:08 AM
Modified: 6/20/2013 10:07:46 AM

Electropherogram Summary Continued ...

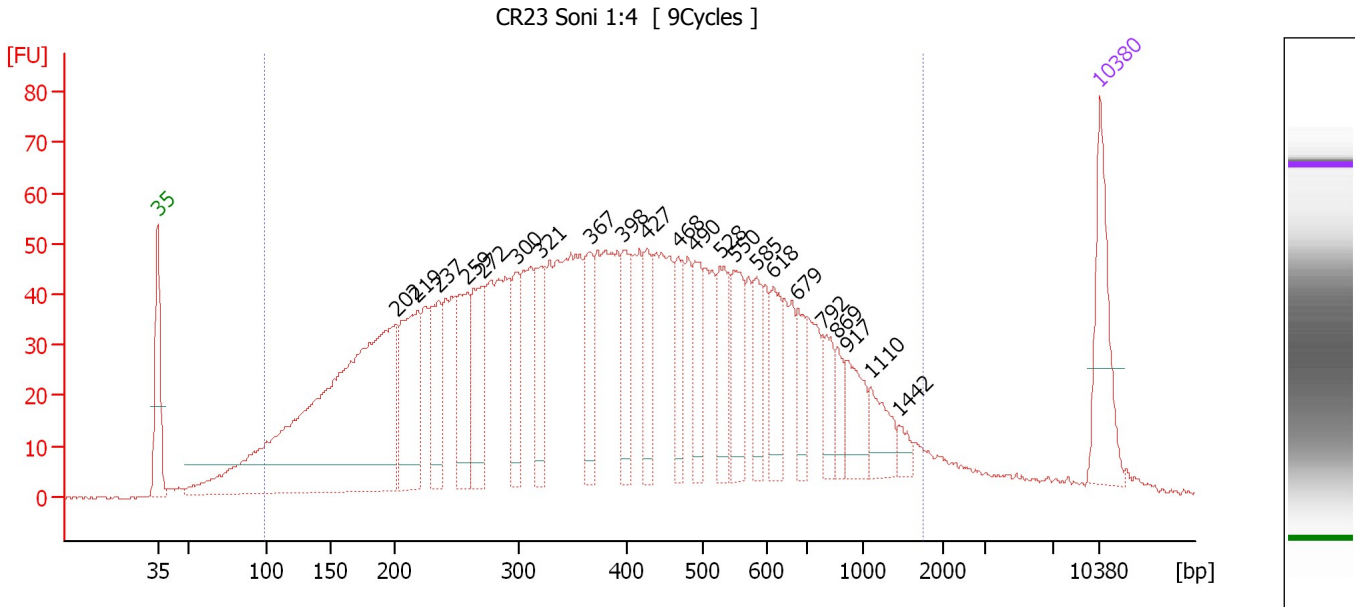
... Region table for sample 10 : CR22 Soni 1:4

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
101	1,771	486	17,386.2	3,586.16	2,041.0	96	57.8	■

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-06-20\2013-06-20_001.xad

Created: 6/20/2013 9:25:08 AM
 Modified: 6/20/2013 10:07:46 AM

Electropherogram Summary Continued ...



Overall Results for sample 11 : CR23 Soni 1:4

Number of peaks found: 22 Corr. Area 1: 2,342.9
 Noise: 0.2

Peak table for sample 11 : CR23 Soni 1:4

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	202	701.34	5,250.6	
3	219	159.46	1,104.4	
4	237	84.12	538.3	
5	259	93.16	544.6	
6	272	102.63	572.2	
7	300	68.24	345.1	
8	321	66.79	314.8	
9	367	63.48	261.9	
10	398	55.19	210.1	
11	427	57.93	205.4	
12	468	54.08	175.0	
13	490	63.43	196.0	
14	528	65.26	187.3	
15	550	65.20	179.6	
16	585	38.85	100.6	
17	618	52.25	128.0	
18	679	31.89	71.2	
19	792	35.13	67.2	
20	869	21.71	37.8	
21	917	46.77	77.3	
22	1,110	37.00	50.5	
23	1,442	11.29	11.9	
24	10,380	75.00	10.9	Upper Marker

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2013-06-20\2013-06-20_001.xad

Created: 6/20/2013 9:25:08 AM
Modified: 6/20/2013 10:07:46 AM

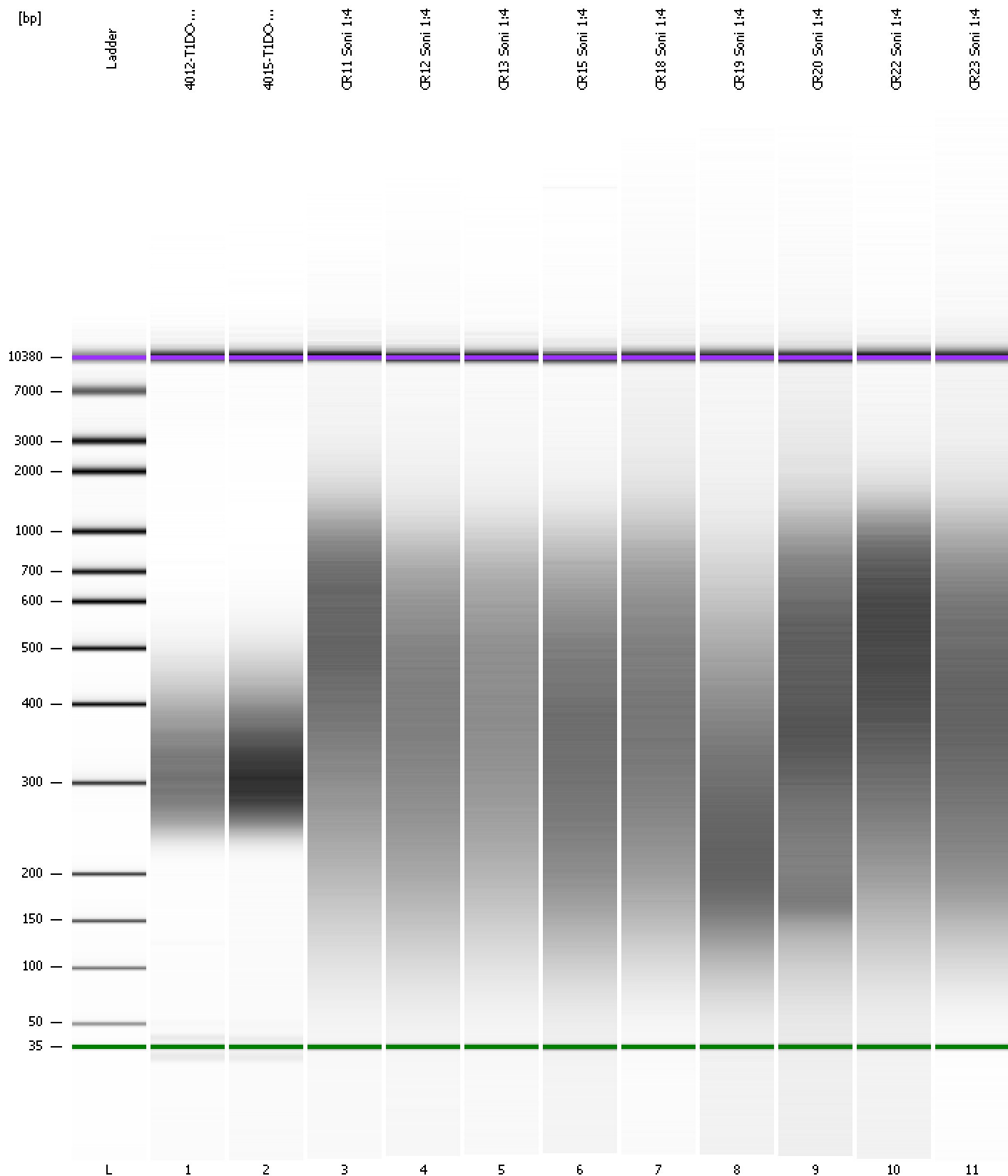
Electropherogram Summary Continued ...**... Region table for sample 11 : CR23 Soni 1:4**

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Co lor
99	1,735	440	19,534.7	3,678.22	2,342.9	94	59.6	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2013-06-20\2013-06-20_001.xad

Created: 6/20/2013 9:25:08 AM
Modified: 6/20/2013 10:07:46 AM

Gel Image



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-06-20\2013-06-20_001.xad

Created: 6/20/2013 9:25:08 AM
 Modified: 6/20/2013 10:07:46 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		6/20/2013 10:06:28 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2013-06-20\2013-06-20_001.xad)		Instrument	Run		6/20/2013 9:25:14 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		6/20/2013 9:25:14 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		6/20/2013 9:25:14 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		6/20/2013 9:25:14 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		6/20/2013 9:25:14 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		6/20/2013 9:25:14 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		6/20/2013 9:25:14 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1