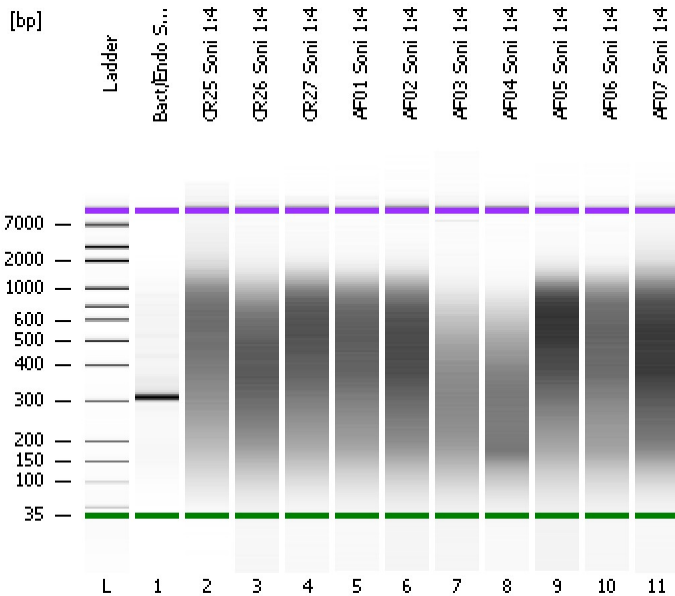


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2013-06-20\2013-06-20_003.xad

Created: 6/20/2013 12:34:46 PM
Modified: 6/20/2013 1:18:24 PM

Electrophoresis File Run Summary



Instrument Information:

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

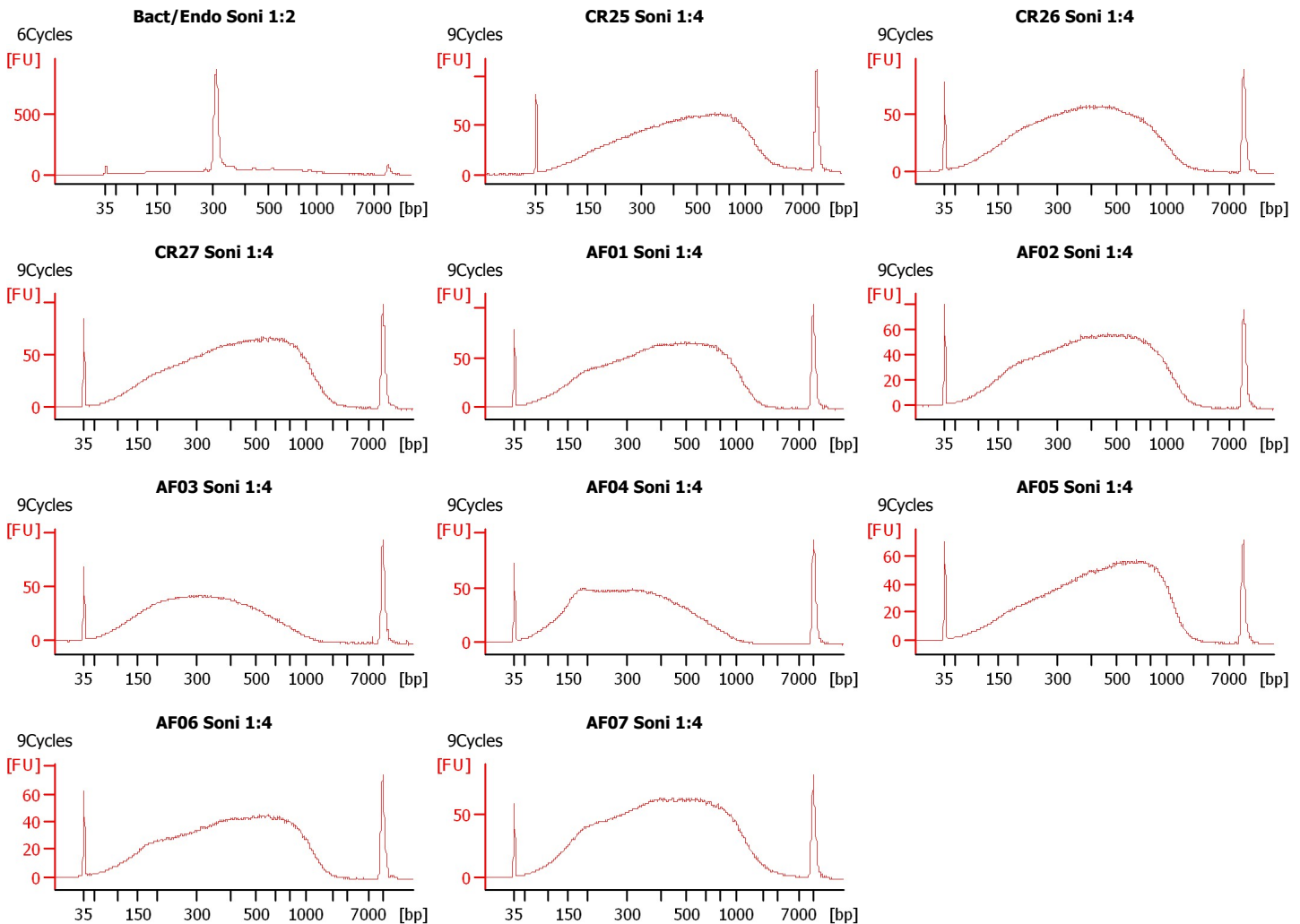
Assay Information:

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:\...ents and Settings\Bioanalyzer\2013-06-20\2013-06-20_003.xad

Created: 6/20/2013 12:34:46 PM
Modified: 6/20/2013 1:18:24 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
Bact/Endo Soni 1:2	6Cycles	<input type="checkbox"/>	✓			
CR25 Soni 1:4	9Cycles	<input type="checkbox"/>	✓			
CR26 Soni 1:4	9Cycles	<input type="checkbox"/>	✓			
CR27 Soni 1:4	9Cycles	<input type="checkbox"/>	✓			
AF01 Soni 1:4	9Cycles	<input type="checkbox"/>	✓			
AF02 Soni 1:4	9Cycles	<input type="checkbox"/>	✓			
AF03 Soni 1:4	9Cycles	<input type="checkbox"/>	✓			
AF04 Soni 1:4	9Cycles	<input type="checkbox"/>	✓			
AF05 Soni 1:4	9Cycles	<input type="checkbox"/>	✓			
AF06 Soni 1:4	9Cycles	<input type="checkbox"/>	✓			
AF07 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_003.xad

Created: 6/20/2013 12:34:46 PM
Modified: 6/20/2013 1:18:24 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

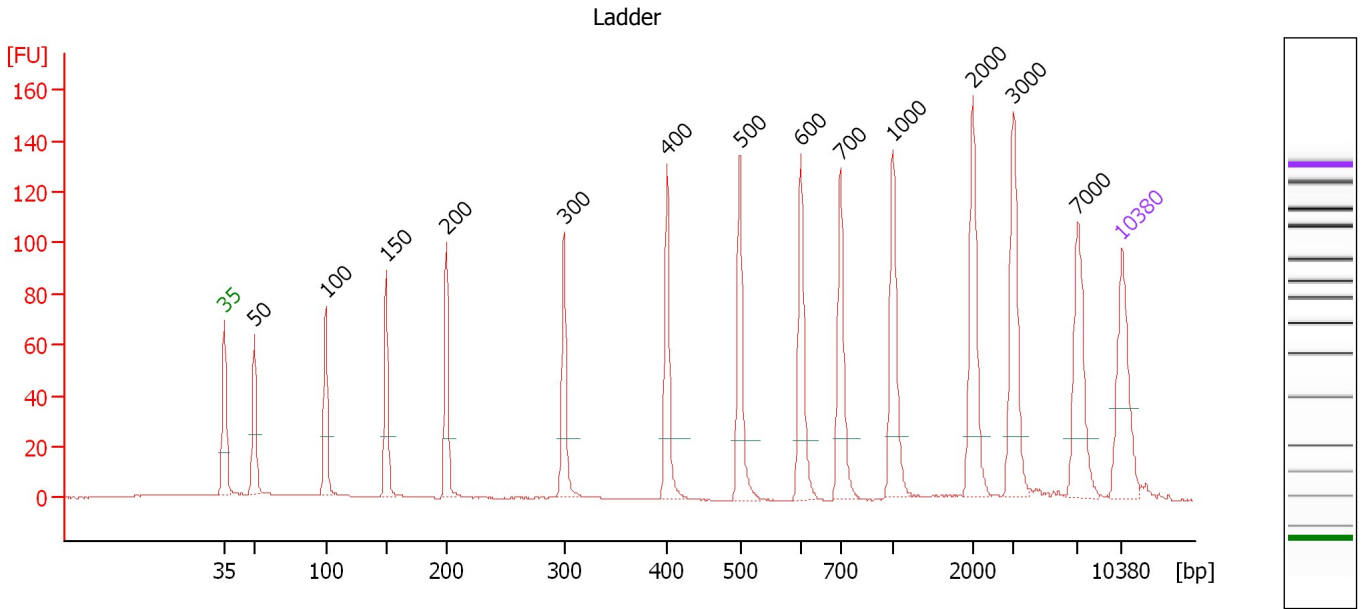
Ladder

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:\...ents and Settings\Bioanalyzer\2013-06-20\2013-06-20_003.xad

Created: 6/20/2013 12:34:46 PM
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Electropherogram Summary



Overall Results for Ladder

Noise: 0.1

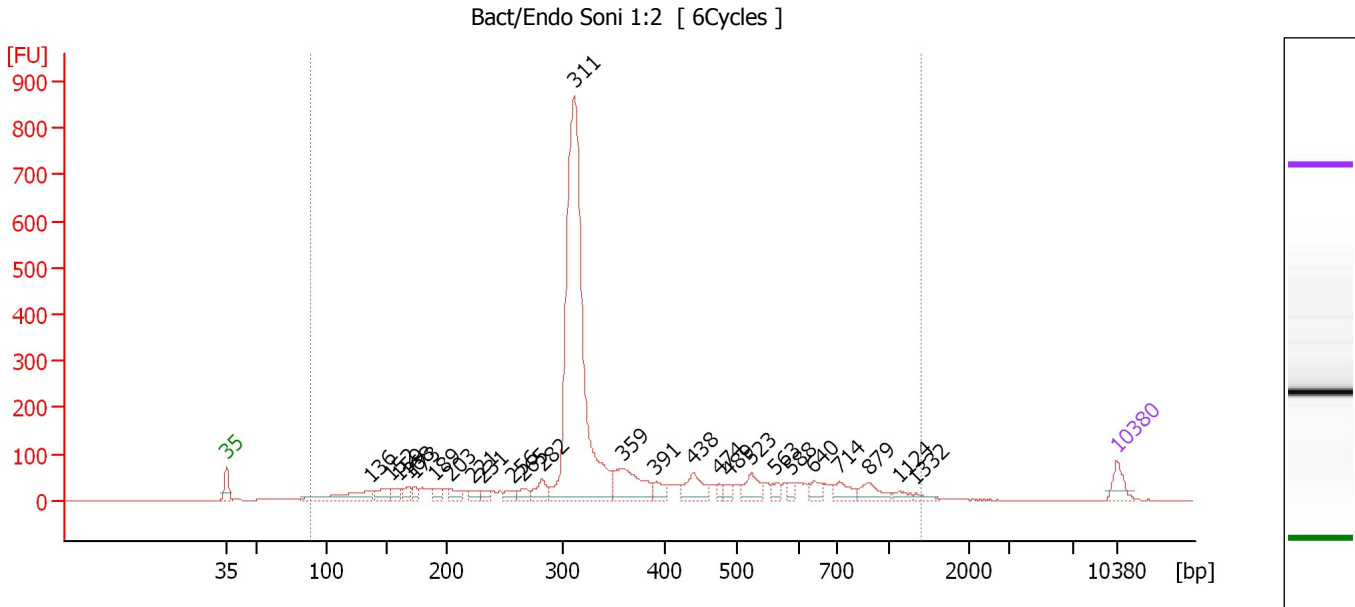
Peak table for Ladder

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:\...ents and Settings\Bioanalyzer\2013-06-20\2013-06-20_003.xad

Created: 6/20/2013 12:34:46 PM
 Modified: 6/20/2013 1:18:24 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : Bact/Endo Soni 1:2

Number of peaks found: 26 Corr. Area 1: 3,832.8
 Noise: 0.2

Peak table for sample 1 : Bact/Endo Soni 1:2


Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	136	238.74	2,658.2	
3	152	106.41	1,057.5	
4	159	65.57	624.2	
5	168	63.17	569.4	
6	173	51.63	453.4	
7	189	64.99	520.9	
8	203	67.19	502.7	
9	221	52.30	358.1	
10	231	41.99	275.5	
11	256	51.58	305.6	
12	265	59.55	340.7	
13	282	109.76	590.1	
14	311	3,012.21	14,669.0	
15	359	334.63	1,411.5	
16	391	71.71	278.2	
17	438	169.89	587.4	
18	474	34.17	109.2	
19	489	44.02	136.4	
20	523	125.89	364.7	
21	563	45.72	123.1	
22	588	30.21	77.8	
23	640	60.07	142.3	
24	714	85.65	181.7	
25	879	89.14	153.6	
26	1,124	30.77	41.5	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-06-20\2013-06-20_003.xad


Created: 6/20/2013 12:34:46 PM
 Modified: 6/20/2013 1:18:24 PM

Electropherogram Summary Continued ...

... Peak table for sample 1 : Bact/Endo Soni 1:2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	1,332	19.96	22.7	
28	 10,380	75.00	10.9	Upper Marker

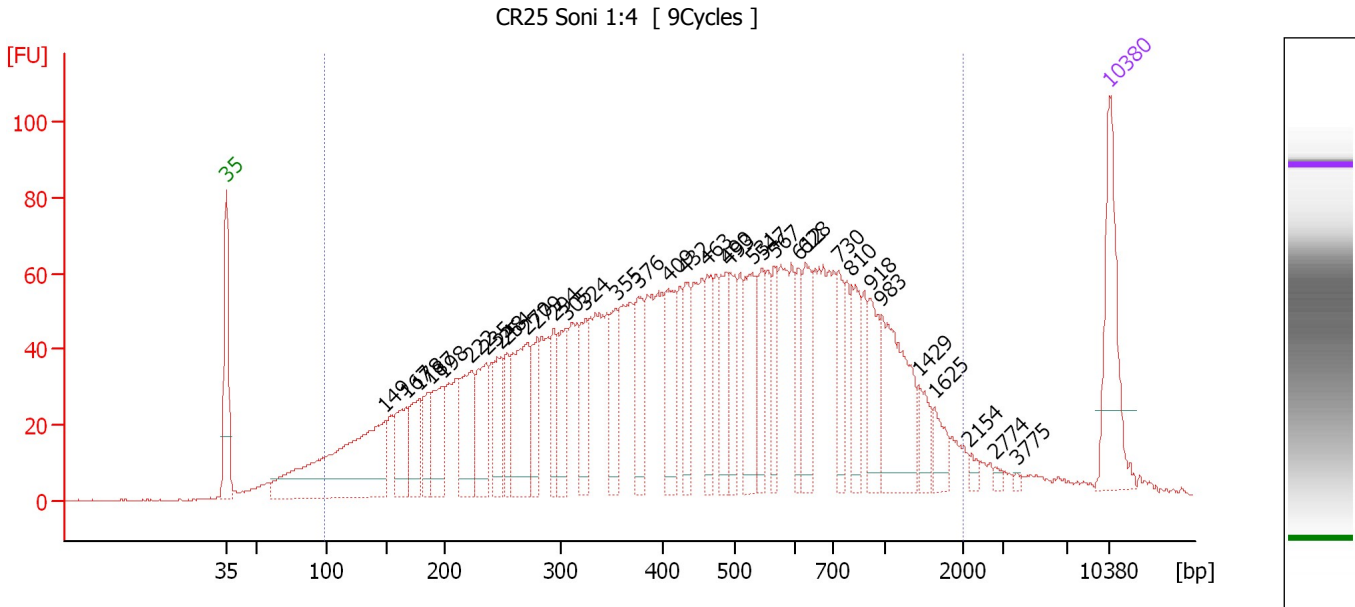
Region table for sample 1 : Bact/Endo Soni 1:2

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
89	1,395	380	30,269.0	5,795.37	3,832.8	98	48.5	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-06-20\2013-06-20_003.xad

Created: 6/20/2013 12:34:46 PM
 Modified: 6/20/2013 1:18:24 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : CR25 Soni 1:4

Number of peaks found: 35 Corr. Area 1: 2,854.6
 Noise: 0.2

Peak table for sample 2 : CR25 Soni 1:4


Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	149	285.72	2,905.9	
3	167	65.04	590.3	
4	178	53.02	450.9	
5	187	37.12	301.3	
6	198	67.22	515.7	
7	222	82.15	559.7	
8	235	75.19	484.2	
9	248	53.94	329.9	
10	254	39.44	235.5	
11	270	112.12	628.3	
12	279	46.60	252.9	
13	294	44.09	227.3	
14	305	59.10	293.4	
15	324	52.98	247.7	
16	355	49.29	210.6	
17	376	62.29	250.8	
18	409	67.12	248.8	
19	432	49.29	173.0	
20	463	46.73	153.0	
21	490	55.55	171.9	
22	493	49.18	151.3	
23	531	69.54	198.4	
24	547	40.36	111.8	
25	567	36.74	98.2	
26	612	34.87	86.3	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-06-20\2013-06-20_003.xad


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Electropherogram Summary Continued ...

... Peak table for sample 2 : CR25 Soni 1:4

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	628	54.28	130.9	
28	730	38.56	80.0	
29	810	46.03	86.1	
30	918	45.14	74.5	
31	983	104.57	161.2	
32	1,429	23.27	24.7	
33	1,625	19.24	17.9	
34	2,154	5.38	3.8	
35	2,774	3.29	1.8	
36	3,775	2.32	0.9	
37	 10,380	75.00	10.9	Upper Marker

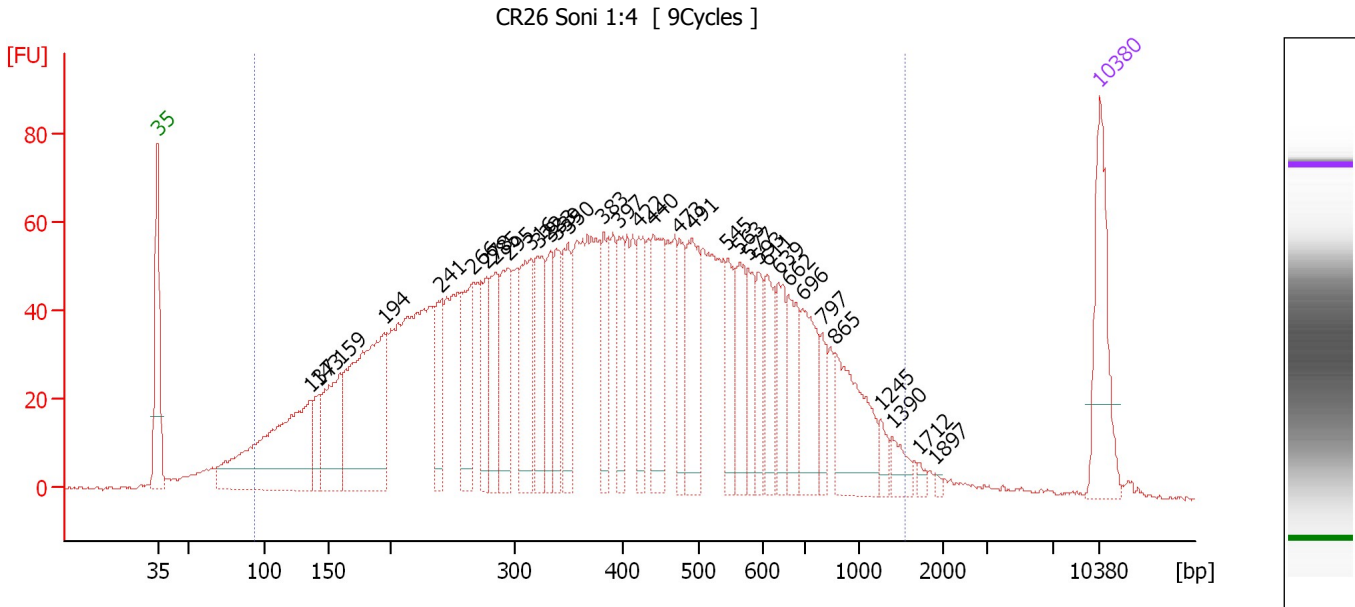
Region table for sample 2 : CR25 Soni 1:4

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
99	1,987	520	14,781.5	3,046.08	2,854.6	95	63.7	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-06-20\2013-06-20_003.xad

Created: 6/20/2013 12:34:46 PM
 Modified: 6/20/2013 1:18:24 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : CR26 Soni 1:4

Number of peaks found: 34 Corr. Area 1: 2,794.1
 Noise: 0.3

Peak table for sample 3 : CR26 Soni 1:4

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	137	275.32	3,040.3	
3	143	36.75	389.2	
4	159	112.63	1,070.4	
5	194	272.11	2,119.9	
6	241	63.15	397.6	
7	266	88.59	503.9	
8	278	55.74	304.2	
9	285	77.62	413.2	
10	295	85.85	441.0	
11	316	101.55	487.6	
12	322	76.71	361.0	
13	333	58.70	267.0	
14	339	54.72	244.5	
15	350	70.39	305.0	
16	383	64.15	253.9	
17	397	50.44	192.4	
18	422	60.58	217.7	
19	440	97.17	334.4	
20	473	50.35	161.4	
21	491	91.45	282.4	
22	545	54.36	151.2	
23	563	55.04	148.2	
24	577	35.86	94.1	
25	593	34.70	88.7	
26	611	48.86	121.2	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-06-20\2013-06-20_003.xad


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 Modified: 6/20/2013 1:18:24 PM

Electropherogram Summary Continued ...

... Peak table for sample 3 : CR26 Soni 1:4

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
27	639	47.33	112.3	
28	662	51.34	117.4	
29	696	72.89	158.7	
30	797	26.78	50.9	
31	865	92.05	161.2	
32	1,245	12.34	15.0	
33	1,390	17.32	18.9	
34	1,712	4.64	4.1	
35	1,897	2.45	2.0	
36	▶ 10,380	75.00	10.9	Upper Marker

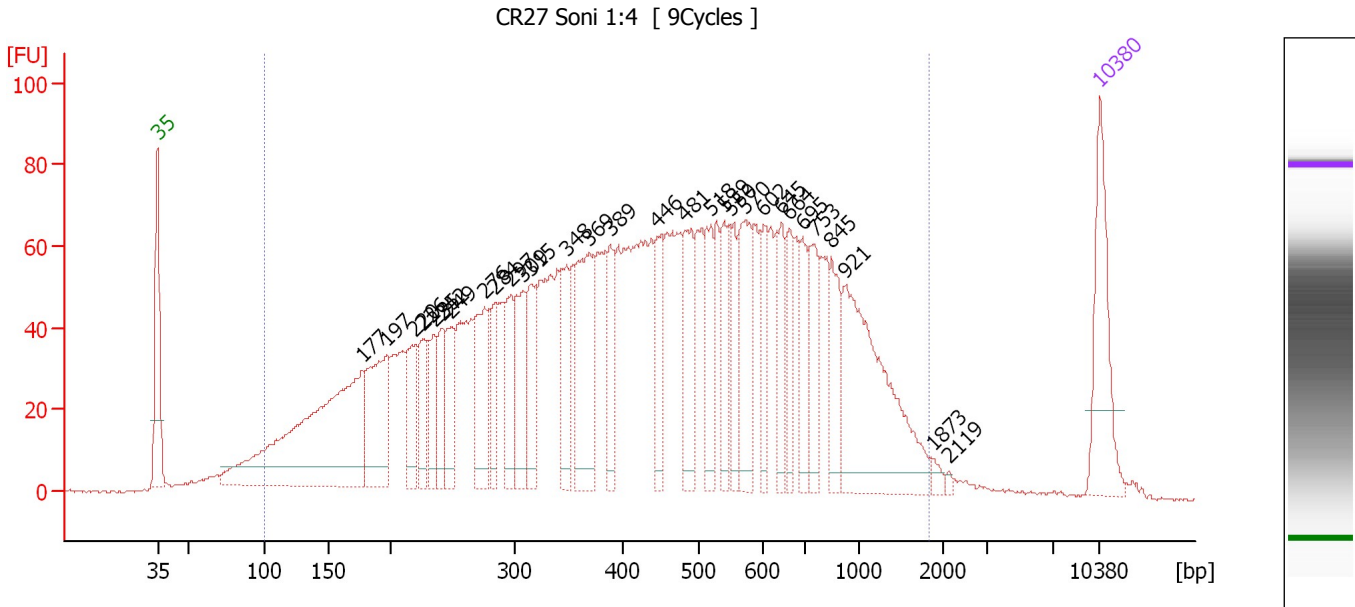
Region table for sample 3 : CR26 Soni 1:4

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/µl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
93	1,537	427	19,000.3	3,562.22	2,794.1	96	53.5	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-06-20\2013-06-20_003.xad

Created: 6/20/2013 12:34:46 PM
 Modified: 6/20/2013 1:18:24 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : CR27 Soni 1:4

Number of peaks found: 30 Corr. Area 1: 3,084.6
 Noise: 0.4

Peak table for sample 4 : CR27 Soni 1:4

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	177	395.90	3,388.7	
3	197	132.76	1,021.5	
4	220	63.94	441.0	
5	226	48.53	324.9	
6	235	45.11	291.0	
7	242	49.61	311.2	
8	249	56.86	346.5	
9	276	94.75	519.7	
10	284	48.34	257.6	
11	297	67.40	343.7	
12	309	74.41	365.3	
13	315	60.99	293.2	
14	348	65.38	284.5	
15	369	130.13	534.6	
16	389	57.19	222.8	
17	446	60.16	204.3	
18	481	78.82	248.1	
19	518	54.47	159.3	
20	539	57.27	161.0	
21	550	45.11	124.3	
22	570	85.60	227.5	
23	602	42.19	106.2	
24	645	41.95	98.6	
25	664	41.65	95.0	
26	695	46.31	100.9	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-06-20\2013-06-20_003.xad

Created: 6/20/2013 12:34:46 PM
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Electropherogram Summary Continued ...

... Peak table for sample 4 : CR27 Soni 1:4

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	753	55.77	112.2	
28	845	54.68	98.0	
29	921	197.95	325.6	
30	1,873	5.77	4.7	
31	2,119	2.22	1.6	
32	10,380	75.00	10.9	Upper Marker

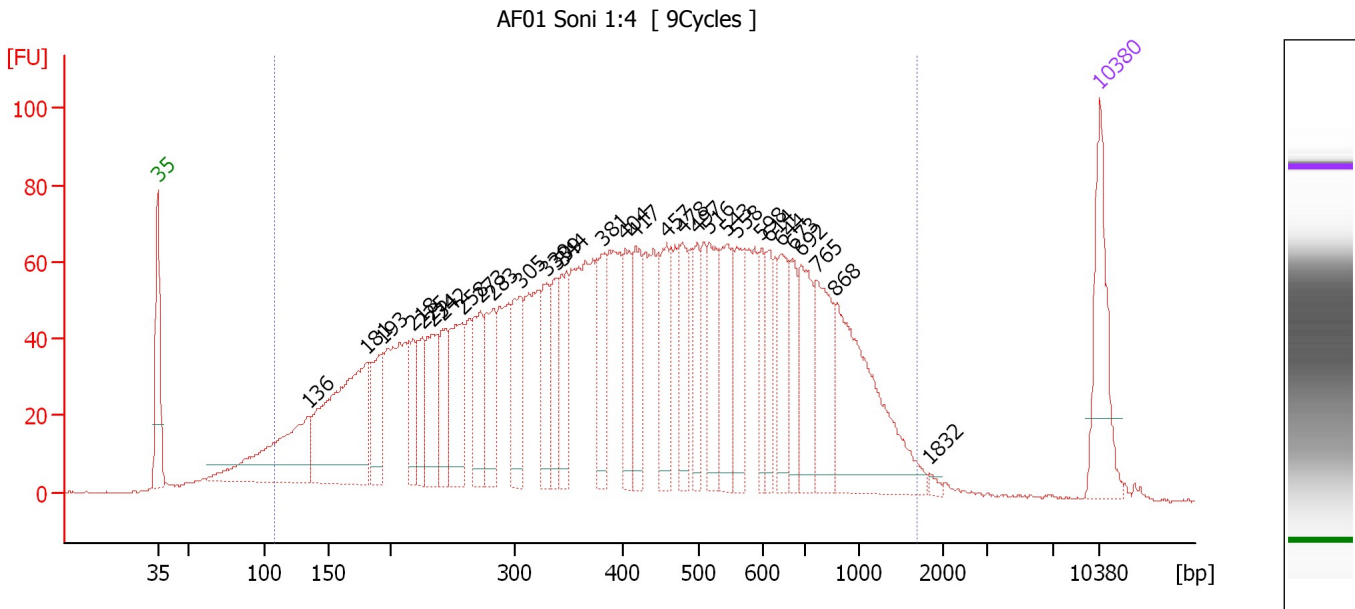
Region table for sample 4 : CR27 Soni 1:4

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
101	1,822	493	17,231.6	3,548.60	3,084.6	96	58.6	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-06-20\2013-06-20_003.xad

Created: 6/20/2013 12:34:46 PM
 Modified: 6/20/2013 1:18:24 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : AF01 Soni 1:4

Number of peaks found: 31 Corr. Area 1: 3,119.6
 Noise: 0.3

Peak table for sample 5 : AF01 Soni 1:4

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	136	182.30	2,036.0	
3	181	264.29	2,217.8	
4	193	71.99	564.5	
5	218	50.69	352.2	
6	225	46.94	315.7	
7	234	75.86	491.2	
8	242	65.93	413.3	
9	258	98.34	577.3	
10	273	74.99	416.9	
11	283	78.17	418.3	
12	305	76.11	377.5	
13	330	65.33	300.3	
14	339	50.20	224.4	
15	344	66.64	293.1	
16	381	66.83	265.6	
17	404	64.92	243.6	
18	417	68.42	248.7	
19	457	74.26	246.1	
20	478	66.82	211.8	
21	497	47.55	144.8	
22	516	71.19	208.9	
23	543	78.74	219.6	
24	558	59.75	162.2	
25	598	40.43	102.4	
26	614	39.98	98.6	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-06-20\2013-06-20_003.xad


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 Modified: 6/20/2013 1:18:24 PM

Electropherogram Summary Continued ...

... Peak table for sample 5 : AF01 Soni 1:4

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	644	60.96	143.3	
28	673	41.58	93.6	
29	692	77.15	169.0	
30	765	86.11	170.6	
31	868	186.24	325.2	
32	1,832	3.61	3.0	
33	10,380	75.00	10.9	Upper Marker

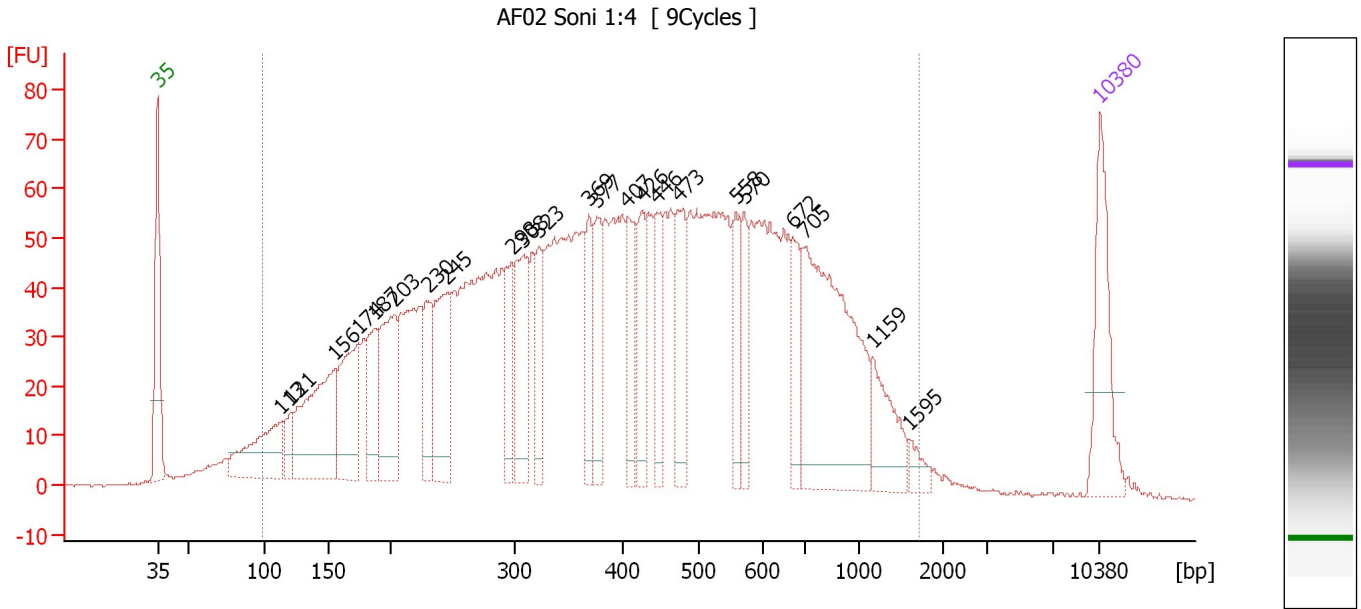
Region table for sample 5 : AF01 Soni 1:4

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
108	1,676	467	17,471.4	3,530.31	3,119.6	95	55.4	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-06-20\2013-06-20_003.xad

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Electropherogram Summary Continued ...



Overall Results for sample 6 : AF02 Soni 1:4

Number of peaks found: 23 Corr. Area 1: 2,755.2
 Noise: 0.3

Peak table for sample 6 : AF02 Soni 1:4

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	113	113.94	1,527.1	
3	121	32.59	409.6	
4	156	183.69	1,785.4	
5	174	130.46	1,133.5	
6	187	74.44	602.5	
7	203	128.17	957.0	
8	230	66.53	437.9	
9	245	120.26	742.7	
10	298	64.13	326.2	
11	308	99.23	487.8	
12	323	56.24	263.6	
13	369	56.54	232.3	
14	377	69.32	279.0	
15	407	65.61	244.3	
16	426	61.72	219.7	
17	446	53.09	180.4	
18	473	76.39	244.5	
19	558	49.81	135.2	
20	570	45.14	119.9	
21	672	46.22	104.2	
22	705	276.66	594.5	
23	1,159	57.75	75.5	
24	1,595	12.69	12.1	
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_003.xad

Created: 6/20/2013 12:34:46 PM
Modified: 6/20/2013 1:18:24 PM

Electropherogram Summary Continued ...

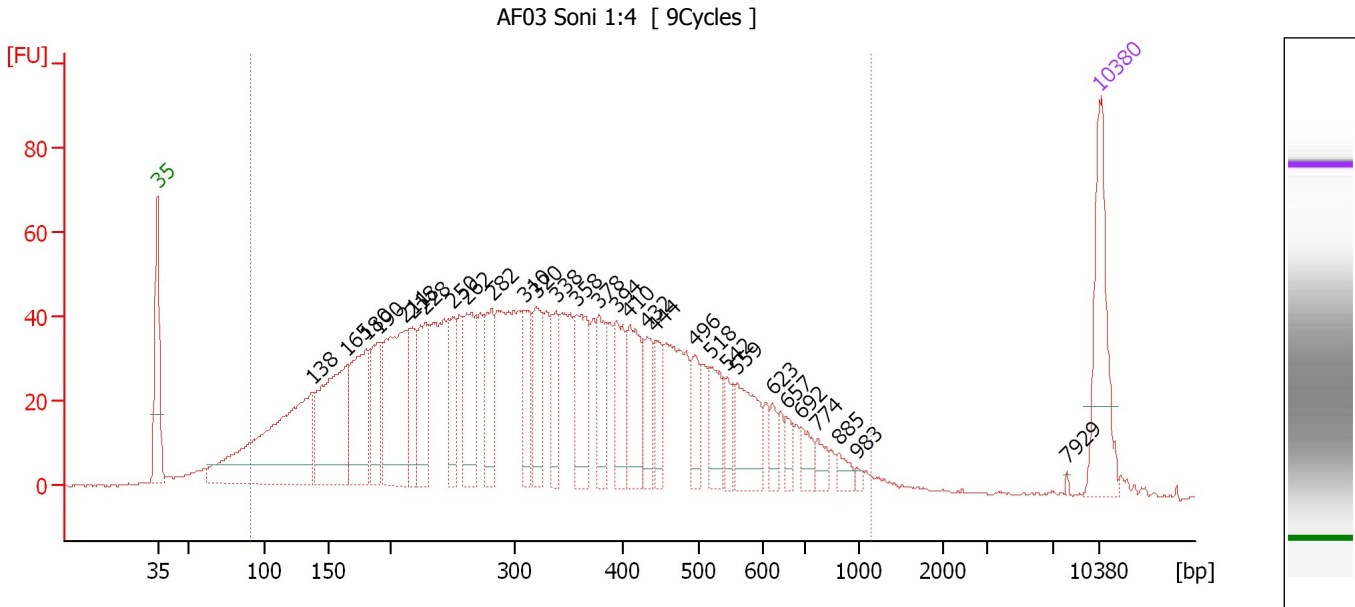
... Region table for sample 6 : AF02 Soni 1:4

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
99	1,715	461	19,576.1	3,844.47	2,755.2	96	56.9	■

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-06-20\2013-06-20_003.xad

Created: 6/20/2013 12:34:46 PM
 Modified: 6/20/2013 1:18:24 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : AF03 Soni 1:4

Number of peaks found: 30 Corr. Area 1: 2,029.0
 Noise: 0.2

Peak table for sample 7 : AF03 Soni 1:4

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	138	295.05	3,238.7	
3	165	182.94	1,682.8	
4	180	123.99	1,043.6	
5	190	71.25	569.4	
6	211	166.39	1,192.5	
7	218	53.16	369.9	
8	228	85.05	566.1	
9	250	52.16	316.5	
10	262	87.53	507.1	
11	282	65.25	351.0	
12	310	54.31	265.5	
13	320	64.13	303.7	
14	338	43.53	194.9	
15	358	81.73	346.4	
16	378	52.90	211.9	
17	394	54.87	210.8	
18	410	72.52	268.3	
19	432	38.87	136.2	
20	444	35.57	121.5	
21	496	34.21	104.6	
22	518	40.89	119.5	
23	542	20.58	57.5	
24	559	63.99	173.4	
25	623	15.47	37.6	
26	657	13.16	30.3	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-06-20\2013-06-20_003.xad


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Electropherogram Summary Continued ...

... Peak table for sample 7 : AF03 Soni 1:4

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	692	18.33	40.1	
28	774	13.68	26.8	
29	885	11.21	19.2	
30	983	3.54	5.5	
31	7,929	1.16	0.2	
32	10,380	75.00	10.9	Upper Marker

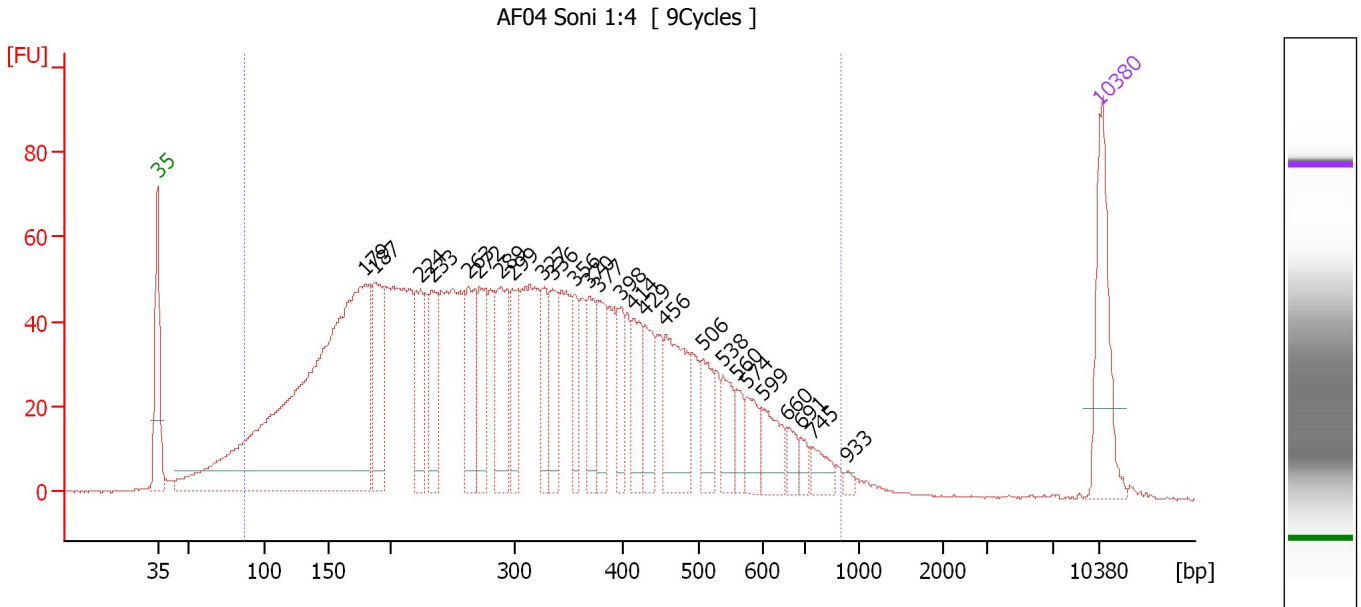
Region table for sample 7 : AF03 Soni 1:4

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
91	1,126	348	16,914.5	2,737.12	2,029.0	95	47.4	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-06-20\2013-06-20_003.xad

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Electropherogram Summary Continued ...



Overall Results for sample 8 : AF04 Soni 1:4

Number of peaks found: 26 Corr. Area 1: 2,387.2
 Noise: 0.2

Peak table for sample 8 : AF04 Soni 1:4

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	179	813.33	6,870.4	
3	187	114.38	926.3	
4	224	84.34	569.5	
5	233	82.34	534.8	
6	263	86.24	496.9	
7	272	80.10	446.3	
8	289	94.14	494.0	
9	299	54.23	275.1	
10	327	50.69	234.7	
11	336	57.01	257.3	
12	356	45.75	194.7	
13	370	57.29	234.9	
14	377	55.10	221.2	
15	398	39.03	148.7	
16	414	52.29	191.2	
17	429	51.81	182.8	
18	456	101.22	336.5	
19	506	44.32	132.7	
20	538	36.15	101.9	
21	560	22.10	59.8	
22	574	32.11	84.8	
23	599	39.09	98.9	
24	660	16.19	37.2	
25	691	11.72	25.7	
26	745	20.41	41.5	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2013-06-20\2013-06-20_003.xad

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Electropherogram Summary Continued ...**... Peak table for sample 8 : AF04 Soni 1:4**

Peak	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations
27	933	4.41	7.2	
28	▶ 10,380	75.00	10.9	Upper Marker

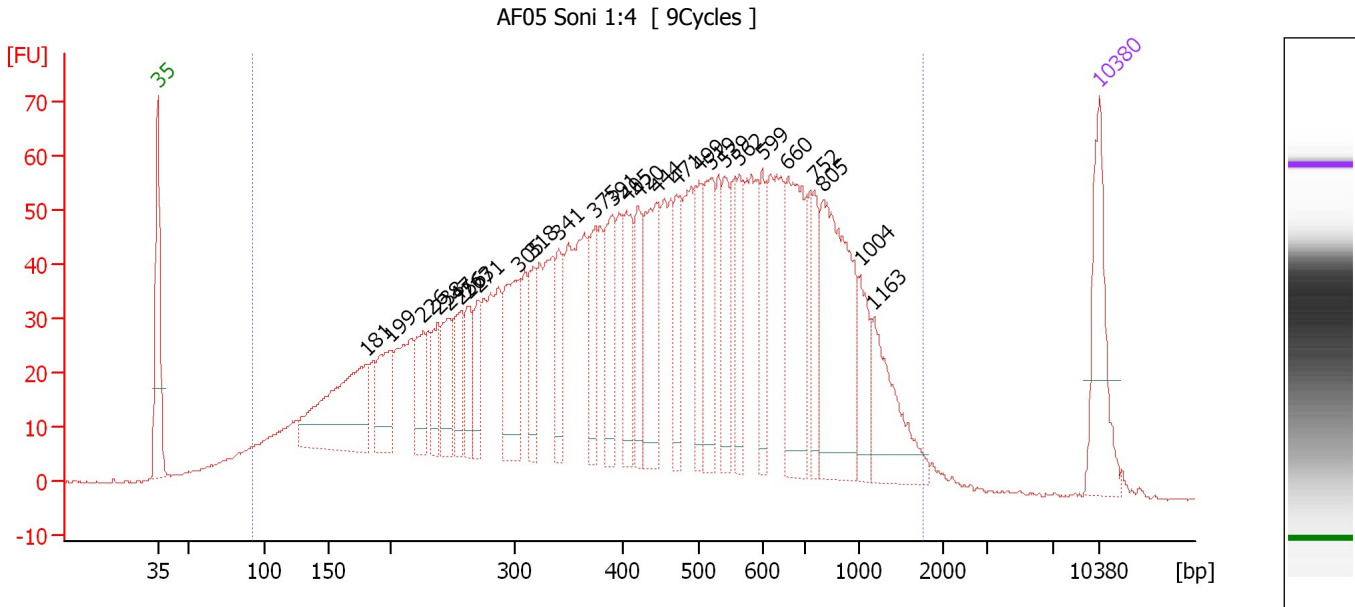
Region table for sample 8 : AF04 Soni 1:4

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/ μ l]	Corr. Area	% of Total	Size distribution in CV [%]	Color
87	898	324	20,823.3	3,189.81	2,387.2	96	45.5	■

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-06-20\2013-06-20_003.xad

Created: 6/20/2013 12:34:46 PM
 Modified: 6/20/2013 1:18:24 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : AF05 Soni 1:4

Number of peaks found: 27 Corr. Area 1: 2,503.4
 Noise: 0.2

Peak table for sample 9 : AF05 Soni 1:4

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	181	190.58	1,595.1	
3	199	74.33	565.2	
4	226	52.37	351.3	
5	238	42.10	267.8	
6	247	56.33	345.5	
7	256	51.51	304.9	
8	263	45.99	265.1	
9	271	43.33	242.5	
10	305	102.10	507.5	
11	318	51.84	247.2	
12	341	49.79	221.0	
13	375	55.22	223.1	
14	391	75.94	294.4	
15	405	72.05	269.4	
16	420	56.40	203.3	
17	444	108.23	369.3	
18	471	57.70	185.6	
19	499	55.16	167.3	
20	519	83.41	243.4	
21	539	57.05	160.3	
22	562	51.65	139.2	
23	599	49.09	124.1	
24	660	130.28	298.9	
25	752	52.37	105.5	
26	805	188.00	353.9	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-06-20\2013-06-20_003.xad

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Electropherogram Summary Continued ...

... Peak table for sample 9 : AF05 Soni 1:4

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	1,004	44.11	66.5	
28	1,163	81.03	105.5	
29	10,380	75.00	10.9	Upper Marker

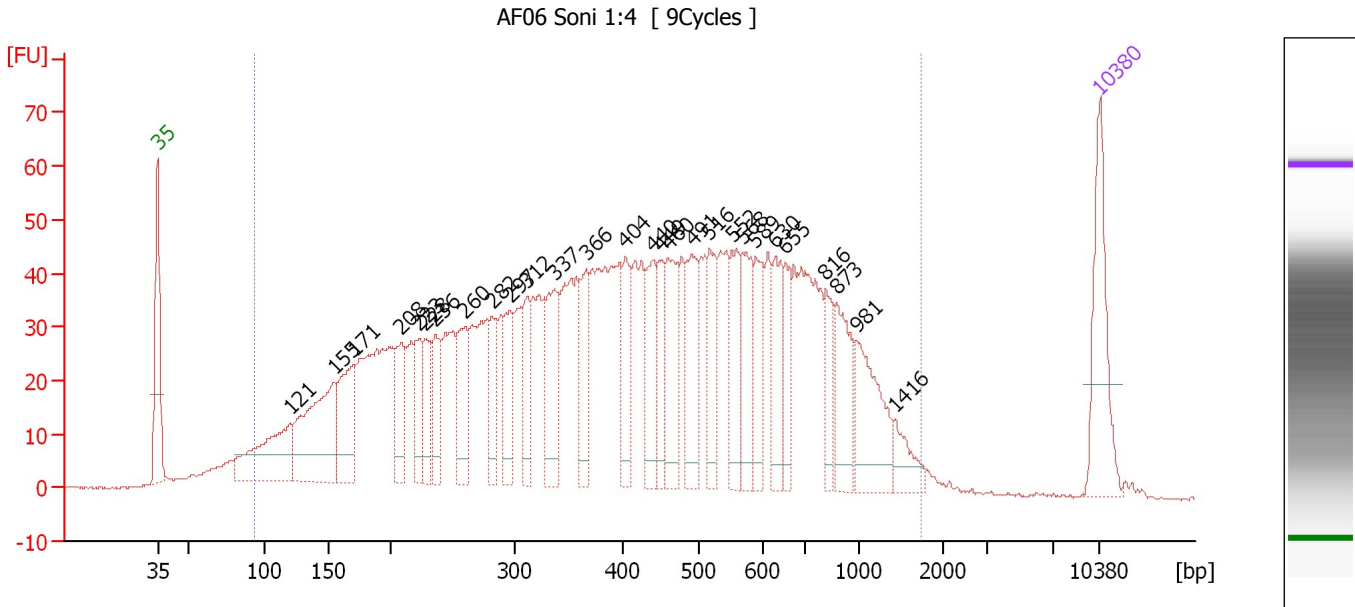
Region table for sample 9 : AF05 Soni 1:4

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
92	1,764	497	18,562.7	3,850.80	2,503.4	97	55.7	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-06-20\2013-06-20_003.xad

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Electropherogram Summary Continued ...



Overall Results for sample 10 : AF06 Soni 1:4

Number of peaks found: 28 Corr. Area 1: 2,146.8
 Noise: 0.2

Peak table for sample 10 : AF06 Soni 1:4

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	121	122.40	1,536.6	
3	155	171.97	1,680.1	
4	171	96.49	852.7	
5	208	67.67	492.3	
6	223	53.72	365.7	
7	228	45.90	305.0	
8	236	49.18	315.8	
9	260	66.94	390.6	
10	282	46.54	250.1	
11	297	57.26	292.3	
12	312	48.06	233.3	
13	337	86.88	390.0	
14	366	59.89	247.8	
15	404	54.77	205.4	
16	440	63.52	218.9	
17	449	46.10	155.5	
18	460	74.36	245.1	
19	491	70.20	216.8	
20	516	62.18	182.5	
21	552	59.38	163.1	
22	568	66.94	178.6	
23	589	51.53	132.6	
24	630	56.46	135.8	
25	655	38.00	87.9	
26	816	37.97	70.5	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-06-20\2013-06-20_003.xad


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Electropherogram Summary Continued ...

... Peak table for sample 10 : AF06 Soni 1:4

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	873	62.53	108.6	
28	981	77.23	119.2	
29	1,416	24.98	26.7	
30	10,380	75.00	10.9	Upper Marker

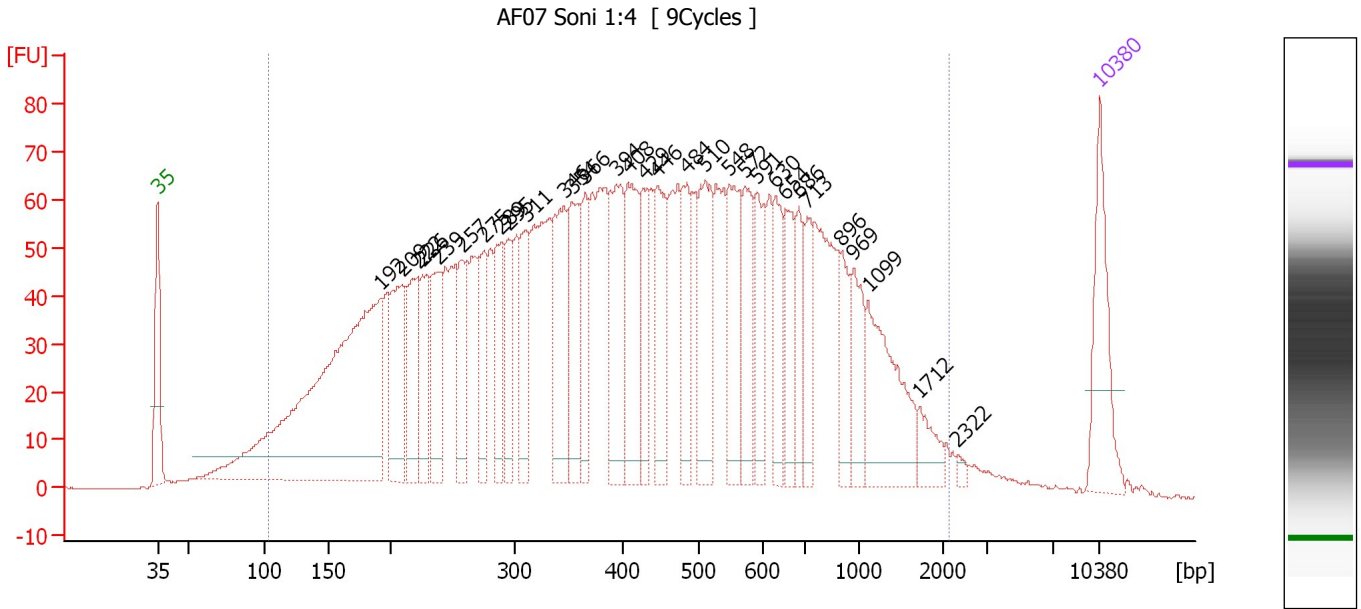
Region table for sample 10 : AF06 Soni 1:4

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
94	1,718	466	17,513.1	3,392.59	2,146.8	96	57.2	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-06-20\2013-06-20_003.xad

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 Modified: 6/20/2013 1:18:24 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : AF07 Soni 1:4

Number of peaks found: 31 Corr. Area 1: 3,204.7
 Noise: 0.2

Peak table for sample 11 : AF07 Soni 1:4

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	192	645.02	5,091.1	
3	209	125.46	910.9	
4	222	106.07	723.5	
5	226	76.51	513.9	
6	239	90.38	574.0	
7	257	75.37	443.5	
8	275	65.16	358.5	
9	289	75.34	394.5	
10	295	65.69	337.0	
11	311	80.44	392.4	
12	346	130.27	569.9	
13	354	101.34	434.1	
14	366	65.49	271.4	
15	394	127.14	488.9	
16	408	120.18	446.7	
17	429	70.48	248.8	
18	446	92.35	313.7	
19	484	77.37	242.4	
20	510	115.19	342.2	
21	548	104.24	288.5	
22	572	75.89	201.2	
23	591	71.65	183.7	
24	630	62.61	150.5	
25	654	64.50	149.4	
26	686	49.71	109.7	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-06-20\2013-06-20_003.xad

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Electropherogram Summary Continued ...

... Peak table for sample 11 : AF07 Soni 1:4

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	713	48.63	103.4	
28	896	44.55	75.4	
29	969	54.98	86.0	
30	1,099	117.00	161.3	
31	1,712	25.49	22.6	
32	2,322	4.64	3.0	
33	▶ 10,380	75.00	10.9	Upper Marker

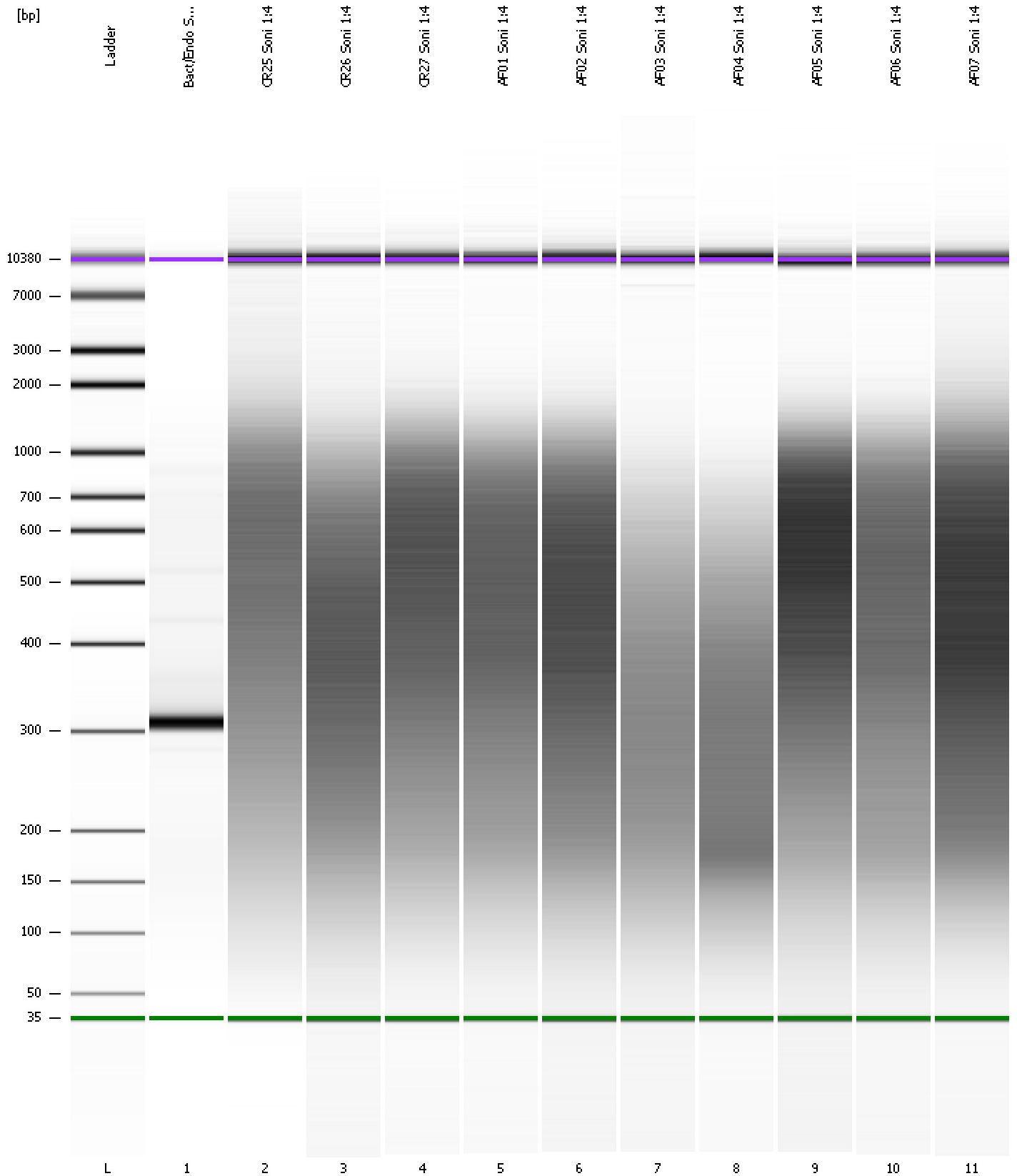
Region table for sample 11 : AF07 Soni 1:4

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
103	2,114	493	22,450.9	4,502.63	3,204.7	96	65.2	■

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2013-06-20\2013-06-20_003.xad

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Gel Image



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-06-20\2013-06-20_003.xad

Created: 6/20/2013 12:34:46 PM
 Modified: 6/20/2013 1:18:24 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		6/20/2013 1:16:05 PM	(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_003.xad)		Instrument	Run		6/20/2013 12:34:51 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		6/20/2013 12:34:51 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		6/20/2013 12:34:51 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		6/20/2013 12:34:51 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		6/20/2013 12:34:51 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		6/20/2013 12:34:51 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		6/20/2013 12:34:51 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1