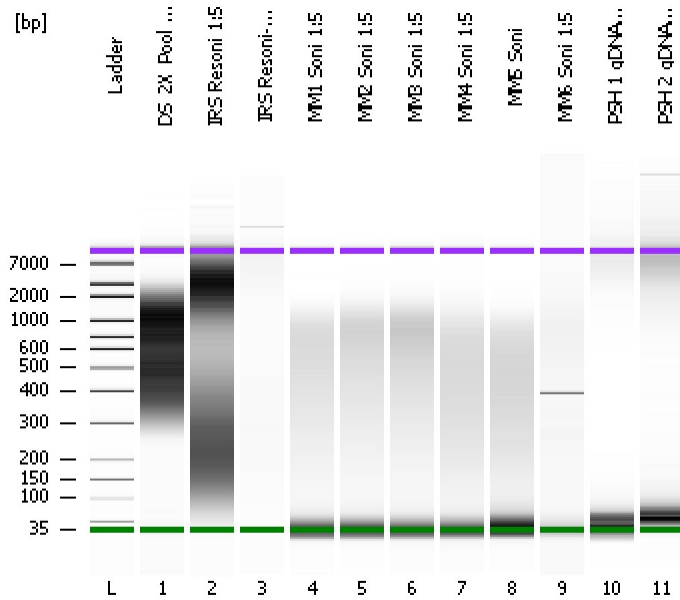


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-07-29\2013-07-29\_002.xad

Created: 7/29/2013 5:01:42 PM  
Modified: 7/29/2013 5:48:02 PM

**Electrophoresis File Run Summary**



Instrument Information:

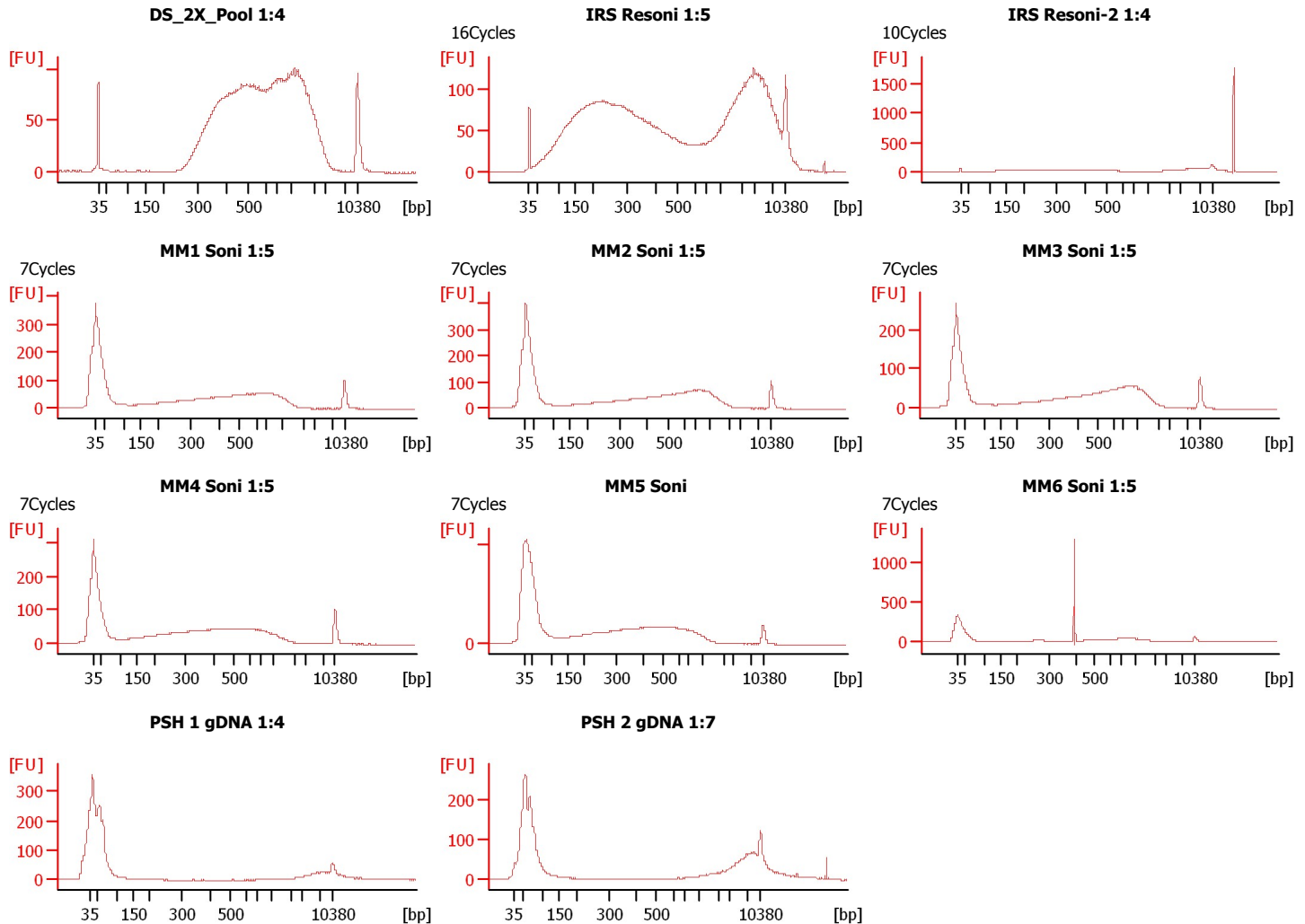
Instrument Name: DE13701086      Firmware: C.01.069  
Serial#: DE13701086      Type: G2938B

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\2013-07-29\2013-07-29\_002.xad

Created: 7/29/2013 5:01:42 PM  
Modified: 7/29/2013 5:48:02 PM

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

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
DS_2X_Pool 1:4		<input type="checkbox"/>	✓			
IRS Resoni 1:5	16Cycles	<input type="checkbox"/>	✓			
IRS Resoni-2 1:4	10Cycles	<input type="checkbox"/>	✓			
MM1 Soni 1:5	7Cycles	<input type="checkbox"/>	✓			
MM2 Soni 1:5	7Cycles	<input type="checkbox"/>	✓			
MM3 Soni 1:5	7Cycles	<input type="checkbox"/>	✓			
MM4 Soni 1:5	7Cycles	<input type="checkbox"/>	✓			
MM5 Soni	7Cycles	<input type="checkbox"/>	✓			
MM6 Soni 1:5	7Cycles	<input type="checkbox"/>	✓			
PSH 1 gDNA 1:4		<input type="checkbox"/>	✓			
PSH 2 gDNA 1:7		<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\2013-07-29\2013-07-29\_002.xad

Created: 7/29/2013 5:01:42 PM  
Modified: 7/29/2013 5:48:02 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

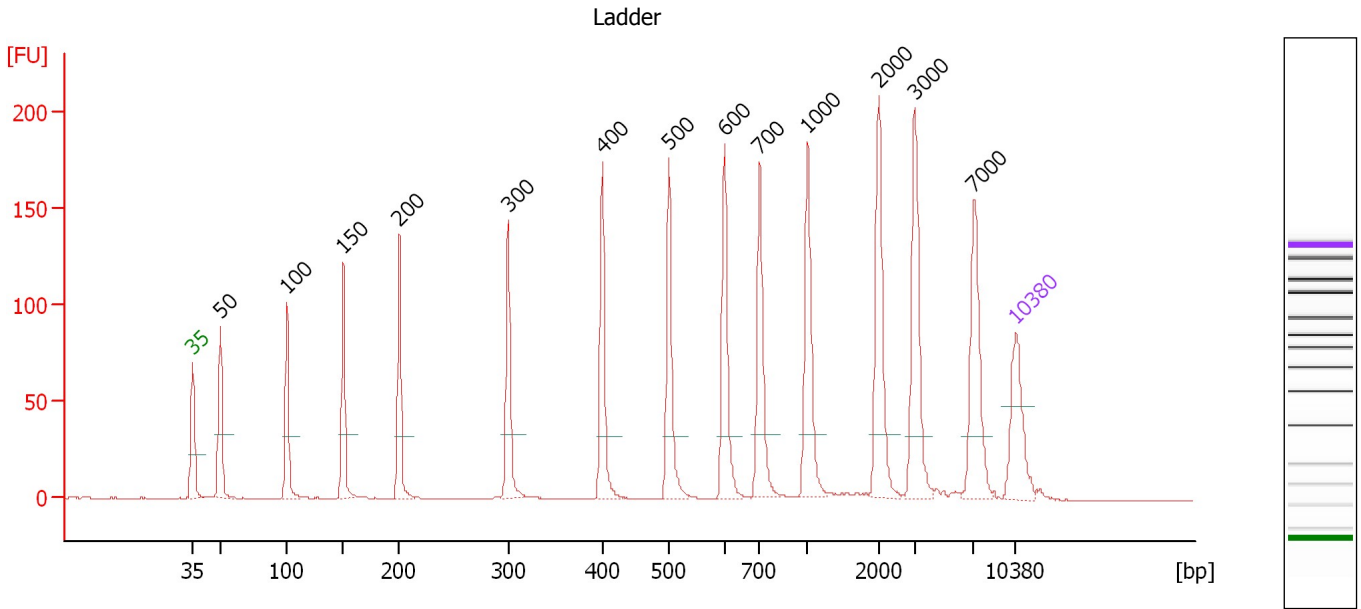
**Ladder**

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\2013-07-29\2013-07-29\_002.xad

Created: 7/29/2013 5:01:42 PM  
 Modified: 7/29/2013 5:48:02 PM

**Electropherogram Summary**



**Overall Results for Ladder**

Noise: 0.1

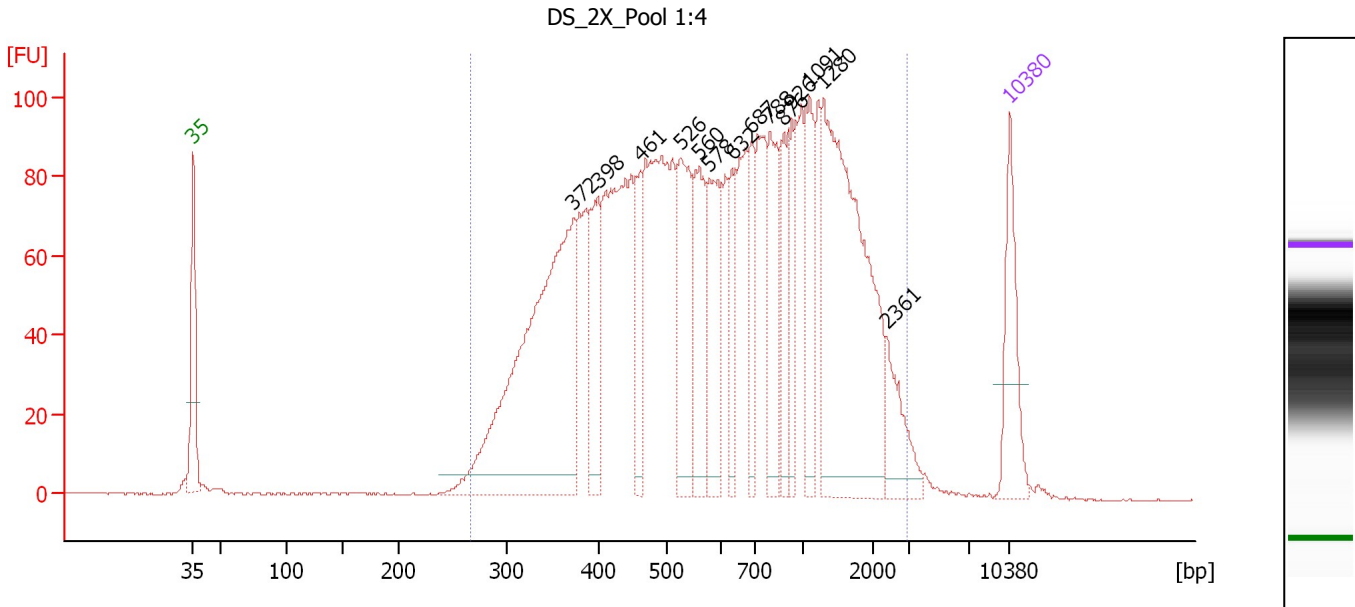
**Peak table for Ladder**

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\2013-07-29\2013-07-29\_002.xad

Created: 7/29/2013 5:01:42 PM  
 Modified: 7/29/2013 5:48:02 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : DS\_2X\_Pool 1:4**

Number of peaks found: 14      Corr. Area 1: 3,085.4  
 Noise: 0.2

**Peak table for sample 1 : DS\_2X\_Pool 1:4**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	372	565.92	2,305.4	
3	398	120.78	459.5	
4	461	78.99	259.5	
5	526	156.63	451.1	
6	560	121.51	328.7	
7	578	129.04	338.0	
8	632	58.00	139.1	
9	687	63.30	139.7	
10	788	98.12	188.6	
11	876	67.13	116.2	
12	926	58.24	95.3	
13	1,091	84.33	117.2	
14	1,280	388.40	459.7	
15	2,361	56.64	36.3	
16	10,380	75.00	10.9	Upper Marker

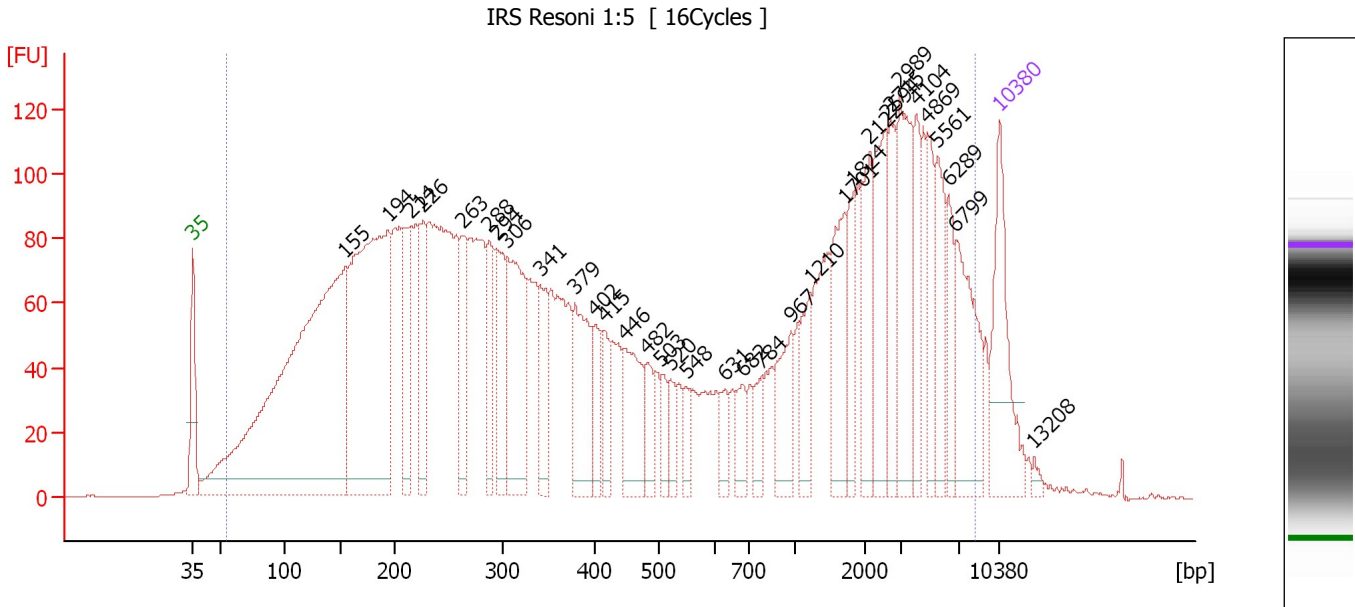
**Region table for sample 1 : DS\_2X\_Pool 1:4**

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
268	2,932	797	9,188.0	3,254.19	3,085.4	98	65.7	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-07-29\2013-07-29\_002.xad

Created: 7/29/2013 5:01:42 PM  
 Modified: 7/29/2013 5:48:02 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : IRS Resoni 1:5**

Number of peaks found: 34                      Corr. Area 1: 5,616.4  
 Noise: 0.2

**Peak table for sample 2 : IRS Resoni 1:5**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	155	788.70	7,729.3	
3	194	457.36	3,573.1	
4	214	89.16	630.7	
5	226	71.50	480.1	
6	263	71.09	409.6	
7	288	60.47	318.3	
8	294	78.18	402.5	
9	306	147.38	730.9	
10	341	56.44	250.9	
11	379	91.86	367.1	
12	402	33.60	126.8	
13	415	31.64	115.4	
14	446	71.54	243.2	
15	482	29.01	91.3	
16	503	20.29	61.1	
17	520	20.31	59.2	
18	548	16.04	44.3	
19	631	18.82	45.2	
20	682	23.05	51.2	
21	784	20.98	40.5	
22	967	49.46	77.5	
23	1,210	35.86	44.9	
24	1,701	63.65	56.7	
25	1,824	31.82	26.4	
26	2,122	53.45	38.2	

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-07-29\2013-07-29\_002.xad

Created: 7/29/2013 5:01:42 PM  
 Modified: 7/29/2013 5:48:02 PM

**Electropherogram Summary Continued ...**

**... Peak table for sample 2 : IRS Resoni 1:5**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	2,594	69.84	40.8	
28	2,715	48.68	27.2	
29	2,989	85.57	43.4	
30	4,104	37.66	13.9	
31	4,869	37.97	11.8	
32	5,561	48.66	13.3	
33	6,289	34.20	8.2	
34	6,799	78.55	17.5	
35	10,380	75.00	10.9	Upper Marker
36	13,208	0.00	0.0	

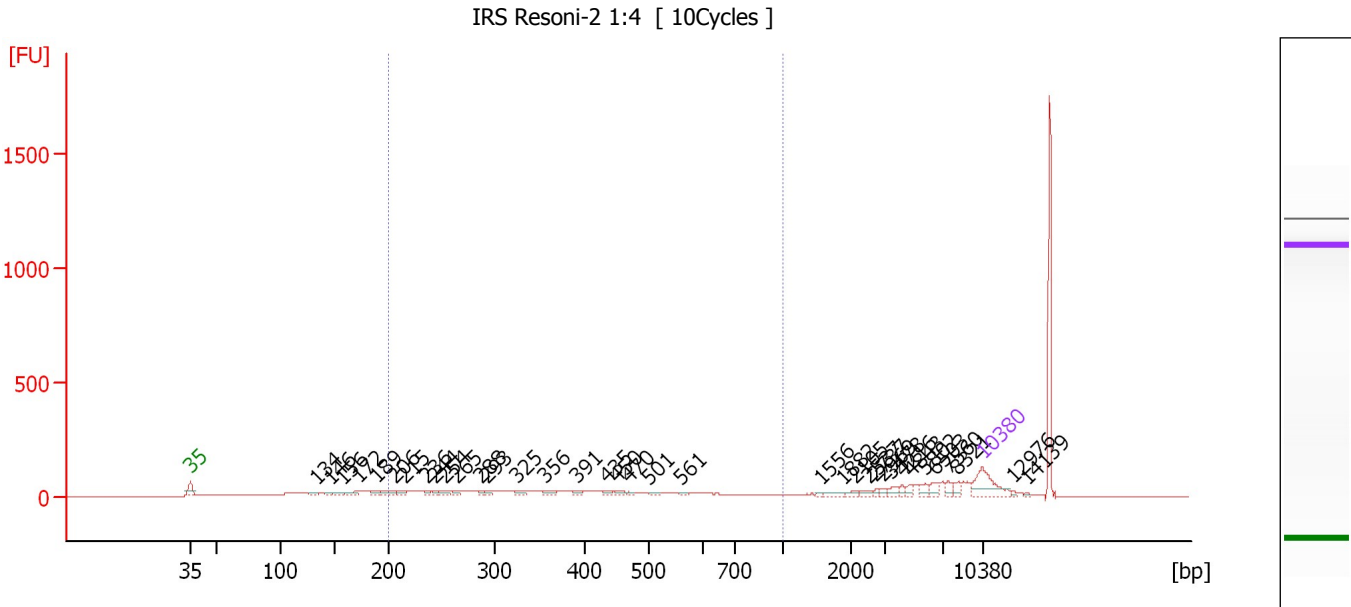
**Region table for sample 2 : IRS Resoni 1:5**

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
56	8,425	1,403	26,805.3	4,230.35	5,616.4	98	100.0	

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-07-29\2013-07-29\_002.xad

Created: 7/29/2013 5:01:42 PM  
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**Electropherogram Summary Continued ...**



**Setpoint Deviations for sample 3 : IRS Resoni-2 1:4**

Height Threshold [FU] : 10

**Overall Results for sample 3 : IRS Resoni-2 1:4**

Number of peaks found: 36                      Corr. Area 1: 936.0  
 Noise: 0.3

**Peak table for sample 3 : IRS Resoni-2 1:4**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	134	13.89	157.2	
3	146	10.77	112.1	
4	156	18.42	178.5	
5	172	22.68	200.2	
6	189	18.23	145.9	
7	206	26.88	198.0	
8	215	18.94	133.6	
9	236	13.25	84.9	
10	244	13.15	81.5	
11	254	23.33	139.1	
12	265	13.94	79.8	
13	288	12.41	65.3	
14	293	14.01	72.5	
15	325	19.99	93.3	
16	356	18.99	80.9	
17	391	11.99	46.5	
18	435	10.14	35.3	
19	450	12.31	41.4	
20	470	7.87	25.4	
21	501	8.83	26.7	
22	561	4.85	13.1	



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-07-29\2013-07-29\_002.xad


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**Electropherogram Summary Continued ...**

**... Peak table for sample 3 : IRS Resoni-2 1:4**

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
23	1,556	2.78	2.7	
24	1,882	10.43	8.4	
25	2,105	8.45	6.1	
26	2,537	9.52	5.7	
27	2,737	6.21	3.4	
28	2,969	7.03	3.6	
29	3,478	13.57	5.9	
30	4,216	10.71	3.9	
31	4,843	10.06	3.1	
32	5,802	15.74	4.1	
33	6,503	19.77	4.6	
34	7,560	14.10	2.8	
35	8,321	13.68	2.5	
36	10,380	75.00	10.9	Upper Marker
37	12,976	0.00	0.0	
38	14,139	0.00	0.0	

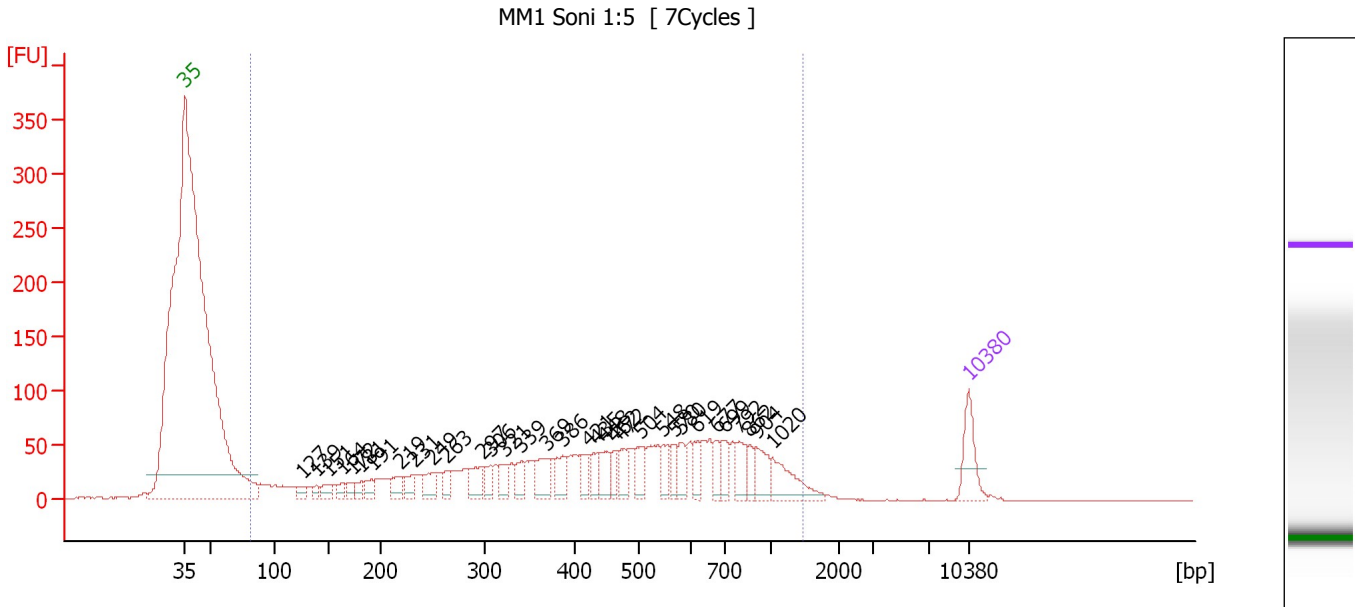
**Region table for sample 3 : IRS Resoni-2 1:4**

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/µl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
200	1,000	387	2,400.2	512.91	936.0	42	39.6	

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-07-29\2013-07-29\_002.xad

Created: 7/29/2013 5:01:42 PM  
 Modified: 7/29/2013 5:48:02 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : MM1 Soni 1:5**

Number of peaks found: 33                      Corr. Area 1: 2,101.2  
 Noise: 0.4

**Peak table for sample 4 : MM1 Soni 1:5**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	127	25.00	298.5	
3	139	20.61	225.0	
4	151	34.40	345.9	
5	164	25.93	239.3	
6	172	25.50	224.4	
7	181	27.46	230.3	
8	191	38.04	301.5	
9	219	49.25	341.4	
10	231	42.72	279.7	
11	249	63.04	383.1	
12	263	30.76	177.5	
13	297	71.03	362.4	
14	306	40.49	200.5	
15	321	48.62	229.6	
16	339	44.22	197.4	
17	369	78.98	324.1	
18	386	61.73	242.4	
19	421	48.60	174.8	
20	435	38.49	134.2	
21	448	56.10	189.7	
22	462	36.72	120.5	
23	472	55.24	177.1	
24	504	62.25	187.0	
25	548	49.04	135.7	
26	570	36.54	97.2	

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-07-29\2013-07-29\_002.xad

Created: 7/29/2013 5:01:42 PM  
 Modified: 7/29/2013 5:48:02 PM

### Electropherogram Summary Continued ...

#### ... Peak table for sample 4 : MM1 Soni 1:5

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	580	45.10	117.8	
28	619	45.78	112.0	
29	677	43.50	97.4	
30	699	46.42	100.6	
31	792	55.68	106.5	
32	862	36.25	63.7	
33	904	61.16	102.5	
34	1,020	92.52	137.4	
35	10,380	75.00	10.9	Upper Marker

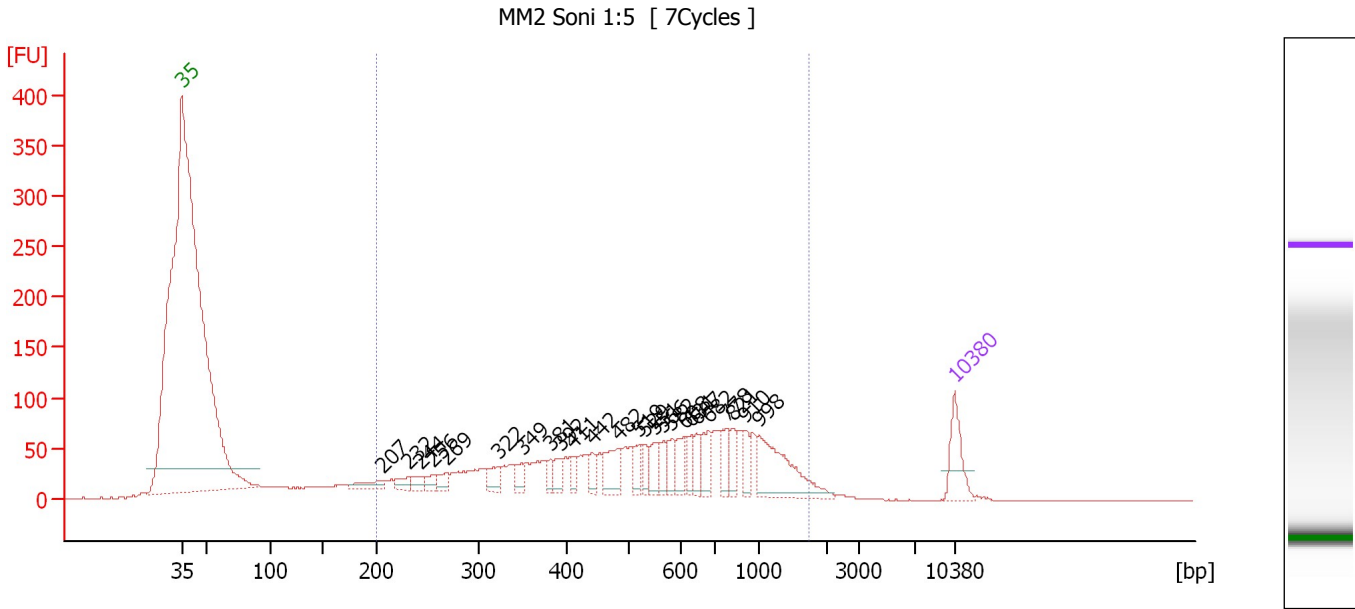
#### Region table for sample 4 : MM1 Soni 1:5

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
81	1,475	498	11,843.9	2,362.79	2,101.2	98	53.2	

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-07-29\2013-07-29\_002.xad

Created: 7/29/2013 5:01:42 PM  
 Modified: 7/29/2013 5:48:02 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : MM2 Soni 1:5**

Number of peaks found: 25                      Corr. Area 1: 2,090.2  
 Noise: 0.1

**Peak table for sample 5 : MM2 Soni 1:5**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	207	46.50	339.6	
3	232	32.39	211.7	
4	244	27.98	173.5	
5	256	26.98	159.5	
6	269	33.68	189.6	
7	322	48.75	229.3	
8	349	35.45	153.7	
9	381	29.97	119.1	
10	392	36.80	142.1	
11	411	31.99	117.9	
12	442	33.50	114.8	
13	482	91.82	288.6	
14	519	38.59	112.6	
15	529	38.76	110.9	
16	551	52.28	143.8	
17	566	36.40	97.4	
18	582	47.95	124.9	
19	608	54.22	135.1	
20	631	39.00	93.7	
21	647	43.18	101.1	
22	682	60.35	134.0	
23	778	58.12	113.2	
24	821	44.20	81.6	
25	910	40.61	67.7	
26	998	184.40	279.9	


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-07-29\2013-07-29\_002.xad

Created: 7/29/2013 5:01:42 PM  
Modified: 7/29/2013 5:48:02 PM

**Electropherogram Summary Continued ...****... Peak table for sample 5 : MM2 Soni 1:5**

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

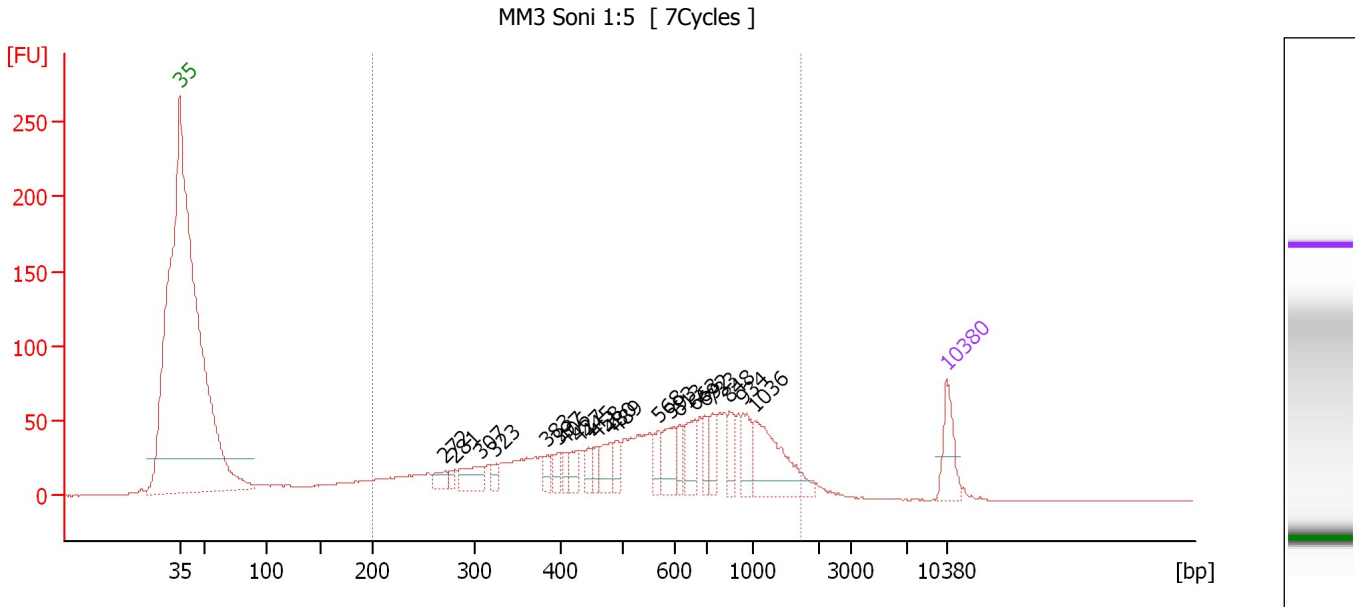
**Region table for sample 5 : MM2 Soni 1:5**

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/ $\mu$ l]	Corr. Area	% of Total	Size distribution in CV [%]	Color
200	1,743	607	7,209.2	2,065.44	2,090.2	87	52.1	

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-07-29\2013-07-29\_002.xad

Created: 7/29/2013 5:01:42 PM  
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**Electropherogram Summary Continued ...**



**Setpoint Deviations for sample 6 : MM3 Soni 1:5**

Height Threshold [FU] : 10

**Overall Results for sample 6 : MM3 Soni 1:5**

Number of peaks found: 21                      Corr. Area 1: 1,572.5  
 Noise: 0.2

**Peak table for sample 6 : MM3 Soni 1:5**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	272	40.05	222.8	
3	281	18.60	100.2	
4	307	77.46	381.7	
5	323	23.38	109.5	
6	383	27.62	109.2	
7	397	34.80	133.0	
8	406	29.13	108.7	
9	427	41.17	146.1	
10	445	33.99	115.8	
11	458	32.66	108.1	
12	480	65.27	206.0	
13	489	41.59	128.7	
14	568	41.33	110.3	
15	593	84.41	215.8	
16	613	43.94	108.7	
17	663	79.88	182.5	
18	692	47.20	103.3	
19	733	51.12	105.6	
20	848	55.47	99.1	
21	934	76.32	123.9	
22	1,036	193.10	282.4	


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-07-29\2013-07-29\_002.xad

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**Electropherogram Summary Continued ...****... Peak table for sample 6 : MM3 Soni 1:5**

Peak	Size [bp]	Conc. [pg/ $\mu$ l]	Molarity [pmol/l]	Observations
23	10,380	75.00	10.9	Upper Marker

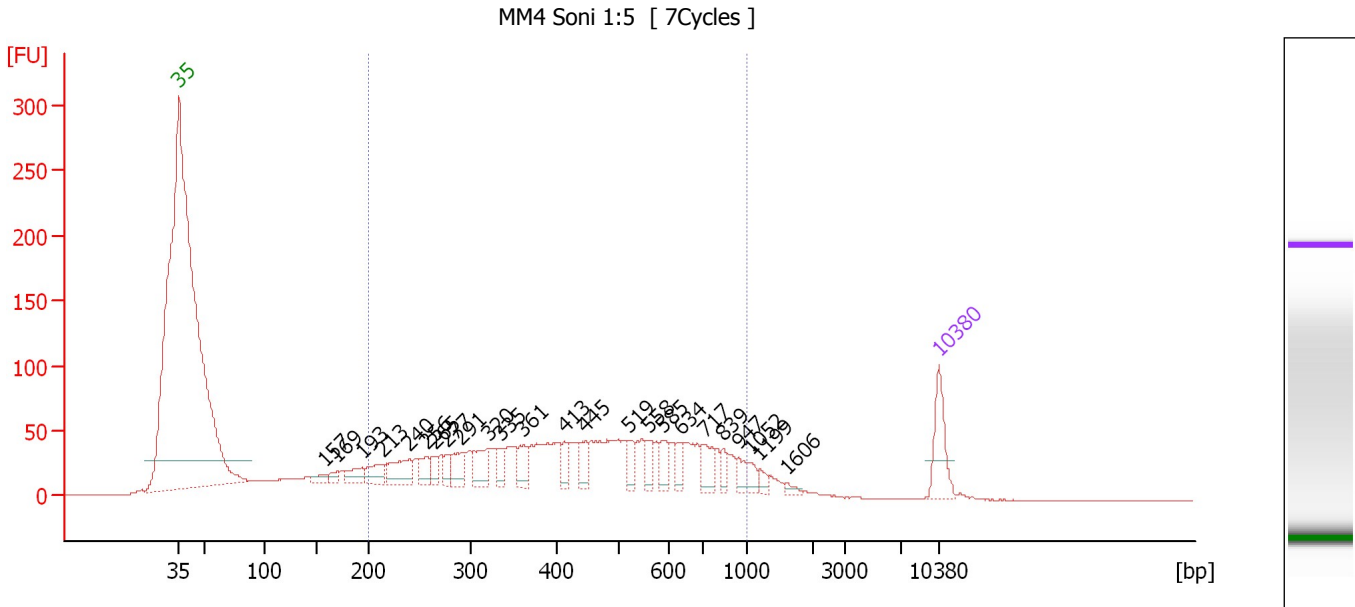
**Region table for sample 6 : MM3 Soni 1:5**

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/ $\mu$ l]	Corr. Area	% of Total	Size distribution in CV [%]	Color
200	1,728	631	6,962.8	2,069.35	1,572.5	87	51.4	

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-07-29\2013-07-29\_002.xad

Created: 7/29/2013 5:01:42 PM  
 Modified: 7/29/2013 5:48:02 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : MM4 Soni 1:5**

Number of peaks found: 24                      Corr. Area 1: 1,704.1  
 Noise: 0.1

**Peak table for sample 7 : MM4 Soni 1:5**

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	157	23.33	225.3	
3	169	21.57	193.1	
4	193	47.39	372.1	
5	213	58.87	418.0	
6	240	87.56	553.3	
7	256	38.69	228.9	
8	265	29.70	170.1	
9	277	28.81	157.8	
10	291	53.80	279.6	
11	320	76.31	361.1	
12	335	31.10	140.7	
13	361	48.11	201.7	
14	413	31.91	117.0	
15	445	41.32	140.6	
16	519	38.26	111.6	
17	558	33.99	92.3	
18	585	39.21	101.5	
19	634	31.31	74.9	
20	717	51.01	107.9	
21	839	23.09	41.7	
22	947	24.29	38.8	
23	1,052	21.11	30.4	
24	1,199	13.44	17.0	
25	1,606	7.97	7.5	
26	10,380	75.00	10.9	Upper Marker



Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-07-29\2013-07-29\_002.xad

Created: 7/29/2013 5:01:42 PM  
Modified: 7/29/2013 5:48:02 PM

**Electropherogram Summary Continued ...**

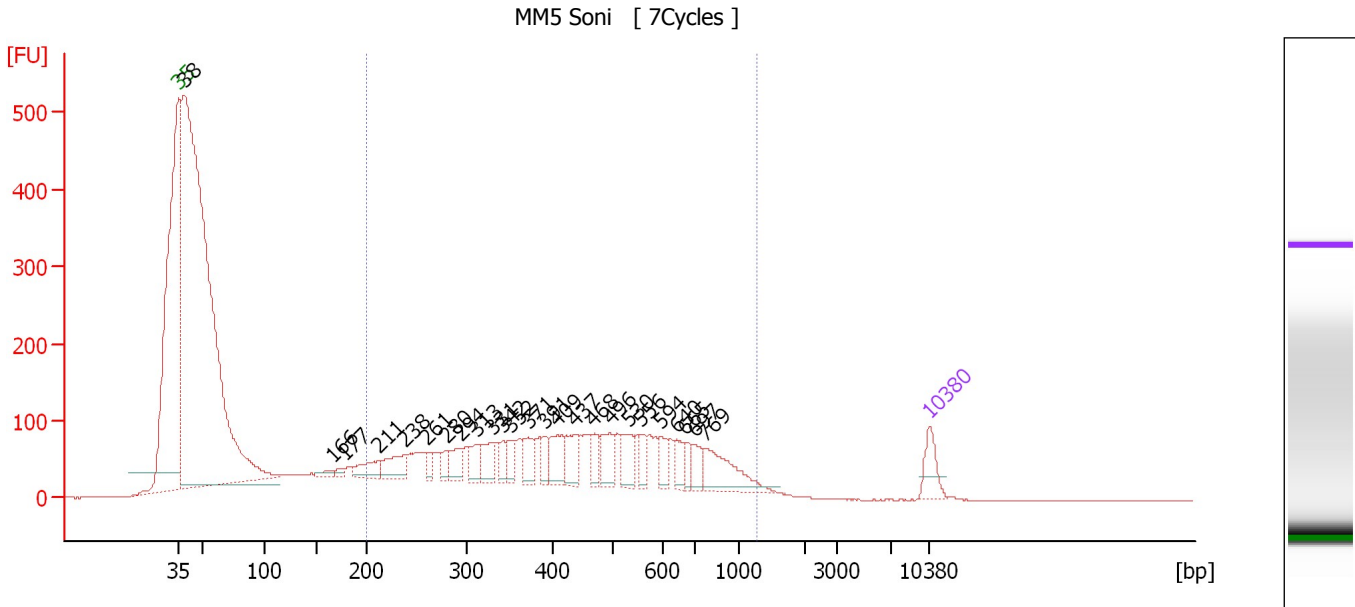
... Region table for sample 7 : MM4 Soni 1:5

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
200	1,000	463	7,842.6	1,922.42	1,704.1	79	39.8	■

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-07-29\2013-07-29\_002.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : MM5 Soni**

Number of peaks found: 25                      Corr. Area 1: 3,239.2  
 Noise: 0.2

**Peak table for sample 8 : MM5 Soni**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	38	5,666.07	224,600.6	
3	166	29.68	270.9	
4	177	23.74	202.6	
5	211	104.86	752.5	
6	238	133.19	846.4	
7	261	45.82	266.1	
8	280	56.66	307.1	
9	294	87.80	452.5	
10	313	88.91	430.4	
11	331	102.50	469.2	
12	342	57.00	252.8	
13	352	61.47	264.5	
14	371	104.52	426.3	
15	391	54.61	211.4	
16	409	129.87	481.2	
17	437	96.65	335.1	
18	468	63.86	206.9	
19	496	110.22	336.9	
20	530	101.41	290.1	
21	556	66.50	181.2	
22	594	60.40	154.1	
23	640	60.34	142.8	
24	665	45.78	104.3	
25	697	70.82	154.0	
26	769	195.68	385.3	

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-07-29\2013-07-29\_002.xad

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**Electropherogram Summary Continued ...****... Peak table for sample 8 : MM5 Soni**

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

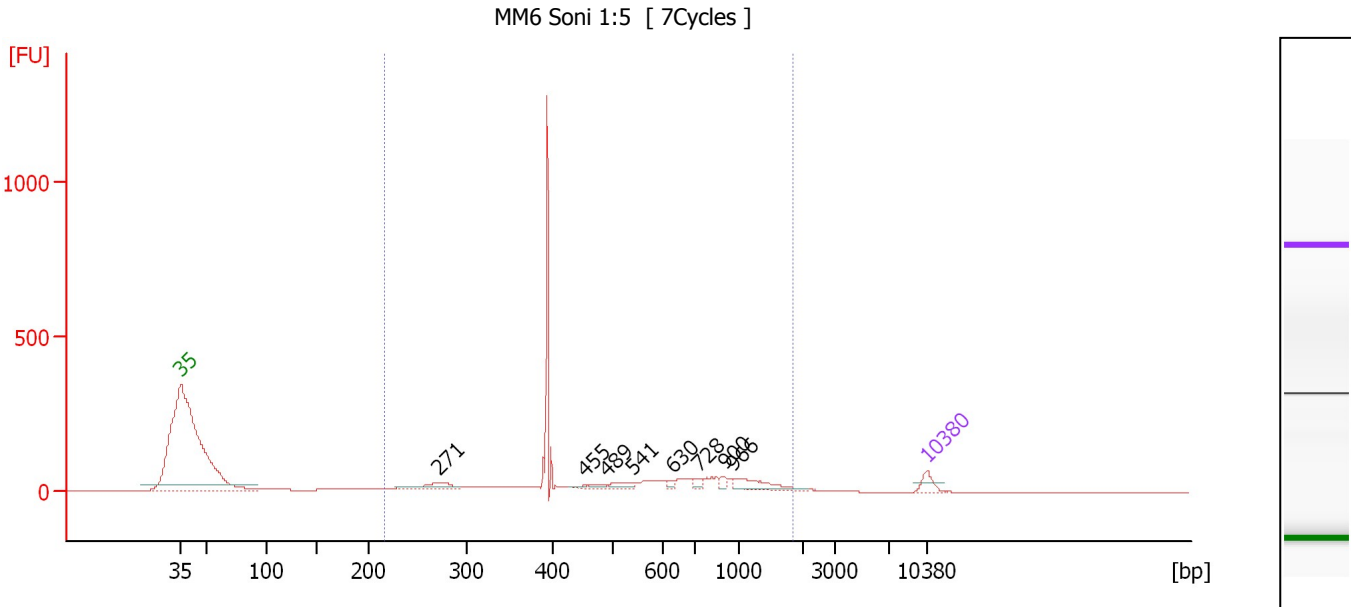
**Region table for sample 8 : MM5 Soni**

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/ $\mu$ l]	Corr. Area	% of Total	Size distribution in CV [%]	Color
200	1,272	466	14,277.5	3,485.88	3,239.2	42	42.6	

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-07-29\2013-07-29\_002.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 9 : MM6 Soni 1:5**

Number of peaks found: 8                      Corr. Area 1: 1,645.5  
 Noise: 0.2

**Peak table for sample 9 : MM6 Soni 1:5**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	271	133.14	743.8	
3	455	17.92	59.7	
4	489	33.86	104.9	
5	541	66.43	186.1	
6	630	33.73	81.2	
7	728	46.51	96.8	
8	900	40.77	68.6	
9	966	189.13	296.7	
10	10,380	75.00	10.9	Upper Marker

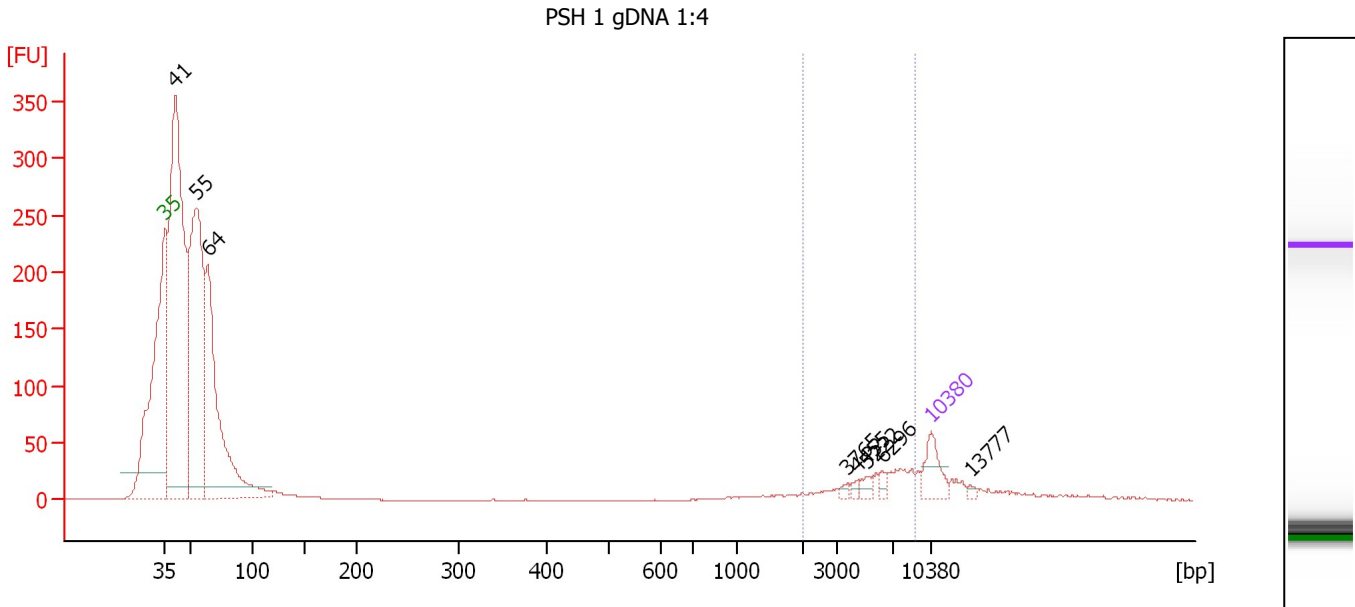
**Region table for sample 9 : MM6 Soni 1:5**

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
217	1,844	597	8,148.2	2,335.22	1,645.5	88	56.3	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-07-29\2013-07-29\_002.xad

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**Electropherogram Summary Continued ...**



**Setpoint Deviations for sample 10 : PSH 1 gDNA 1:4**

Height Threshold [FU] : 10

**Overall Results for sample 10 : PSH 1 gDNA 1:4**

Number of peaks found: 8                      Corr. Area 1: 162.3  
 Noise: 0.2

**Peak table for sample 10 : PSH 1 gDNA 1:4**

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	41	2,403.79	88,830.8	
3	55	1,573.23	43,386.3	
4	64	1,182.75	28,018.1	
5	3,765	10.56	4.2	
6	4,455	10.25	3.5	
7	5,222	19.57	5.7	
8	6,296	17.65	4.2	
9	10,380	75.00	10.9	Upper Marker
10	13,777	0.00	0.0	

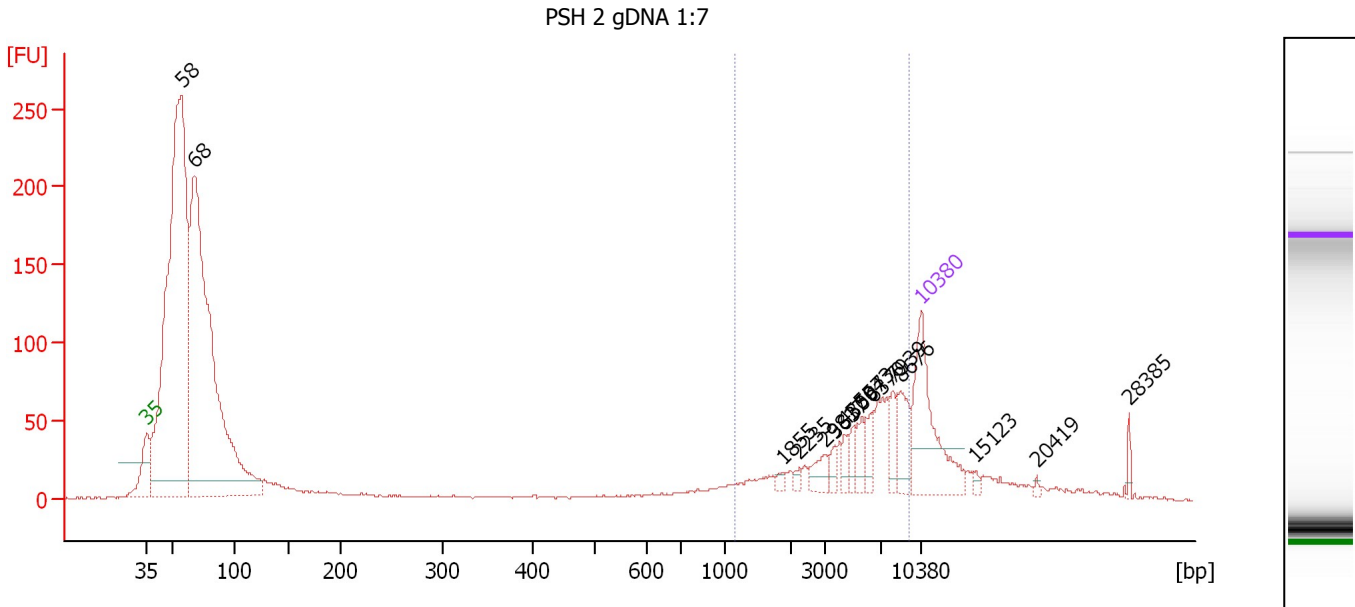
**Region table for sample 10 : PSH 1 gDNA 1:4**

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/µl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
1,973	8,920	5,713	46.4	153.26	162.3	5	34.1	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-07-29\2013-07-29\_002.xad

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**Electropherogram Summary Continued ...**



**Setpoint Deviations for sample 11 : PSH 2 gDNA 1:7**

Height Threshold [FU] : 10

**Overall Results for sample 11 : PSH 2 gDNA 1:7**

Number of peaks found: 15                      Corr. Area 1: 515.7  
 Noise: 0.7

**Peak table for sample 11 : PSH 2 gDNA 1:7**

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	58	898.17	23,603.7	
3	68	809.91	18,084.4	
4	1,855	3.77	3.1	
5	2,235	3.60	2.4	
6	2,981	13.06	6.6	
7	3,637	6.72	2.8	
8	4,359	7.96	2.8	
9	5,004	9.00	2.7	
10	5,573	13.89	3.8	
11	6,370	14.49	3.4	
12	7,939	13.69	2.6	
13	8,676	28.05	4.9	
14	10,380	75.00	10.9	Upper Marker
15	15,123	0.00	0.0	
16	20,419	0.00	0.0	
17	28,385	0.00	0.0	

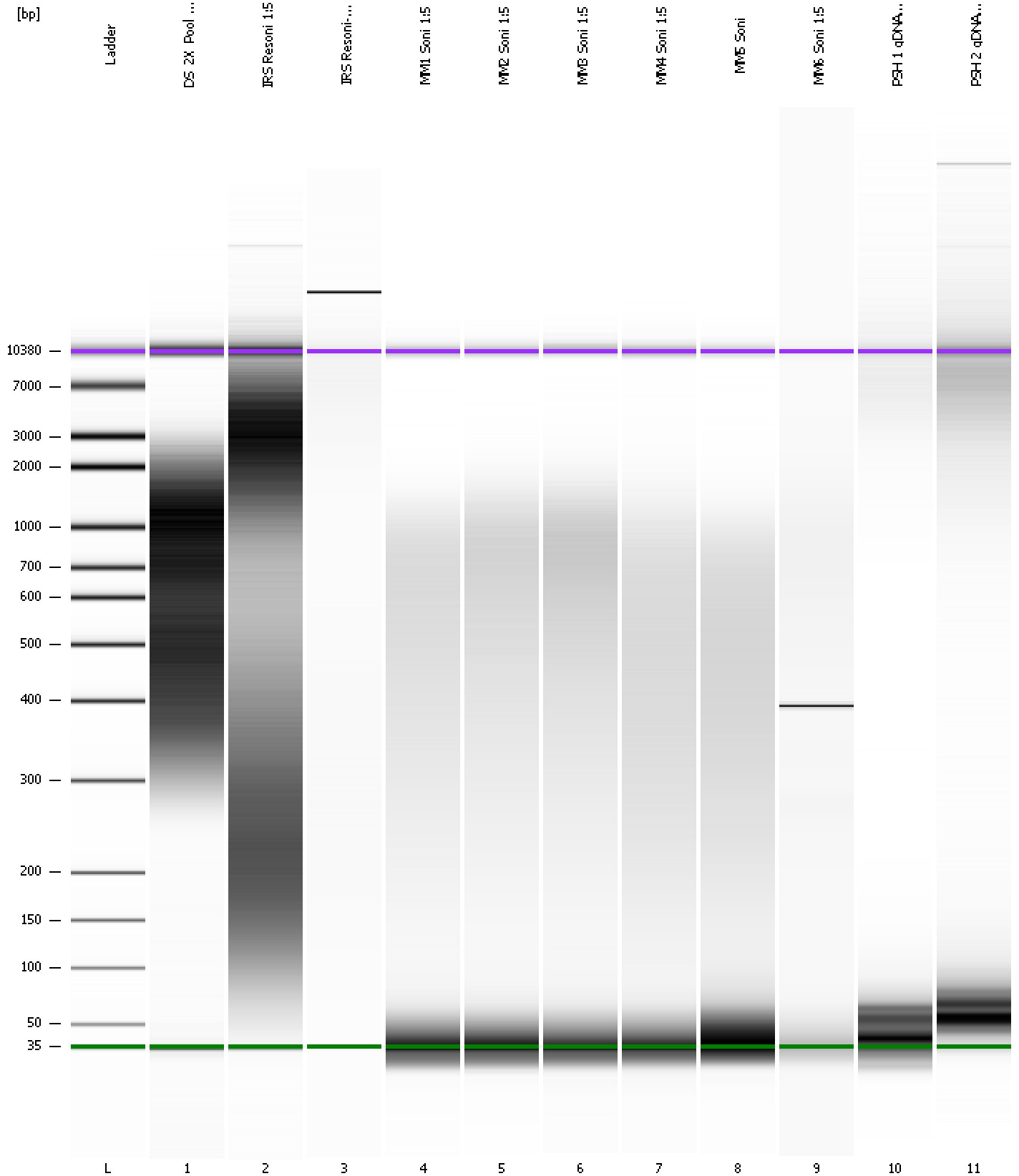
**Region table for sample 11 : PSH 2 gDNA 1:7**

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/µl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
1,152	9,315	5,303	74.6	188.90	515.7	16	46.0	Blue

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-07-29\2013-07-29\_002.xad

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**Gel Image**



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-07-29\2013-07-29\_002.xad

Created: 7/29/2013 5:01:42 PM  
 Modified: 7/29/2013 5:48:02 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		7/29/2013 5:43:01 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2013-07-29\2013-07-29_002.xad)		Instrument	Run		7/29/2013 5:01:47 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		7/29/2013 5:01:47 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		7/29/2013 5:01:47 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		7/29/2013 5:01:47 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		7/29/2013 5:01:47 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		7/29/2013 5:01:47 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		7/29/2013 5:01:47 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1