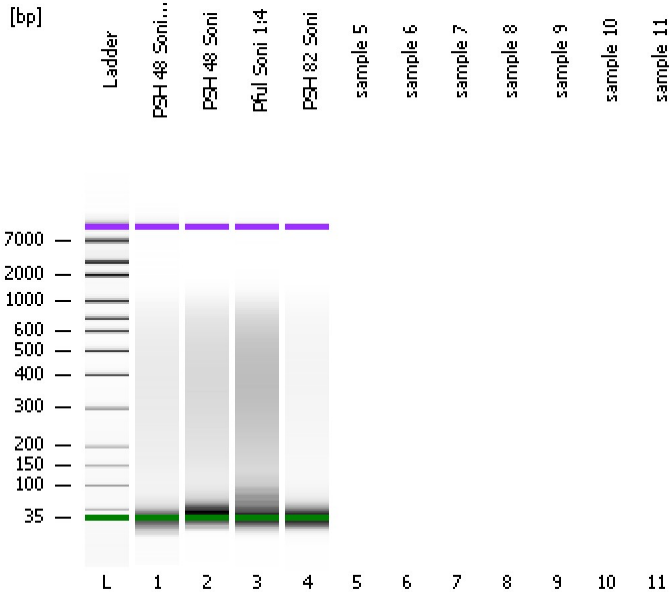


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2013-09-24\2013-09-24_004.xad

Created: 9/24/2013 1:12:46 PM
Modified: 9/24/2013 1:39:10 PM

Electrophoresis File Run Summary



Instrument Information:

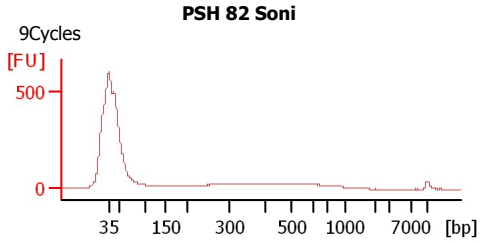
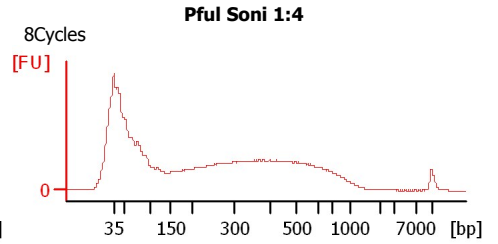
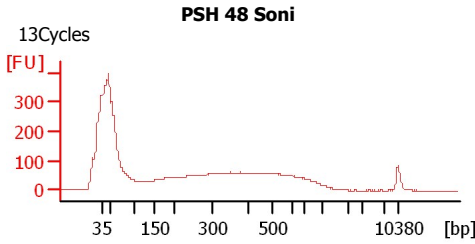
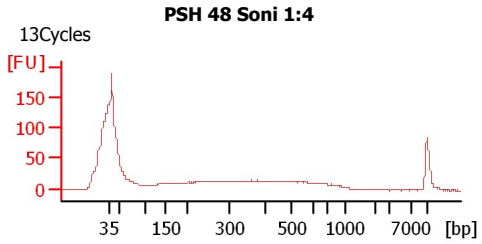
Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

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\2013-09-24\2013-09-24_004.xad

Created: 9/24/2013 1:12:46 PM
Modified: 9/24/2013 1:39:10 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
PSH 48 Soni 1:4	13Cycles	<input type="checkbox"/>	✓			
PSH 48 Soni	13Cycles	<input type="checkbox"/>	✓			
Pful Soni 1:4	8Cycles	<input type="checkbox"/>	✓			
PSH 82 Soni	9Cycles	<input type="checkbox"/>	✓			
sample 5		<input type="checkbox"/>				
sample 6		<input type="checkbox"/>				
sample 7		<input type="checkbox"/>				
sample 8		<input type="checkbox"/>				
sample 9		<input type="checkbox"/>				
sample 10		<input type="checkbox"/>				
sample 11		<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\2013-09-24\2013-09-24_004.xad

Created: 9/24/2013 1:12:46 PM
Modified: 9/24/2013 1:39:10 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

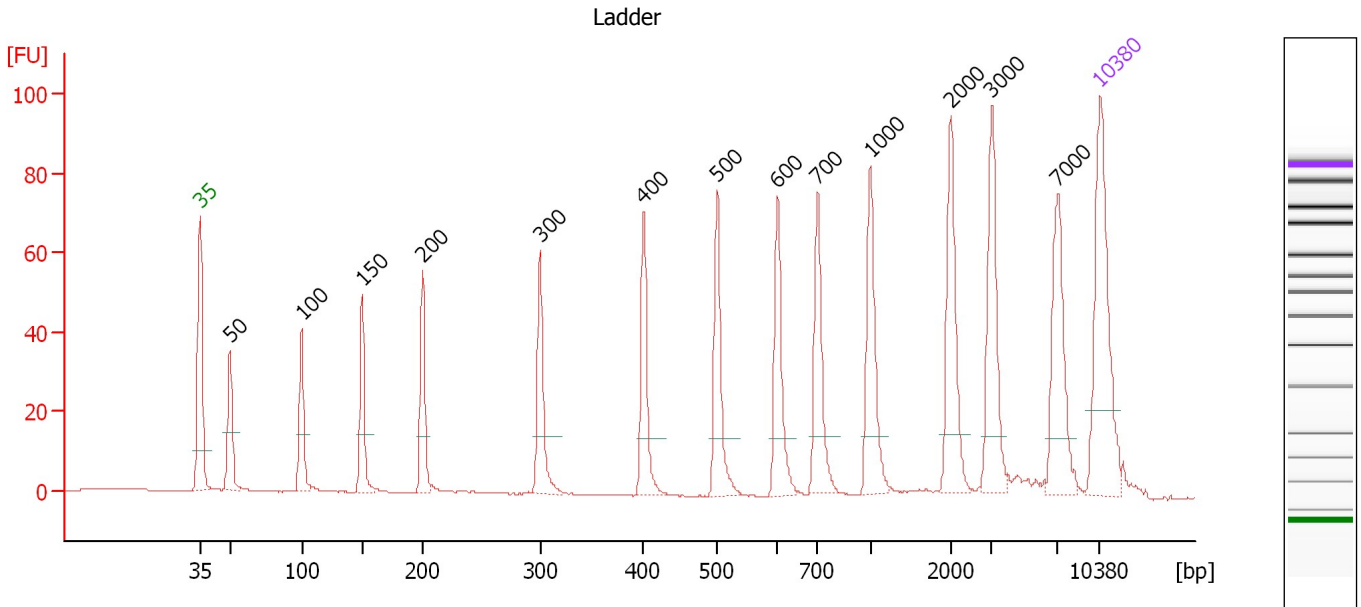
Ladder

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\2013-09-24\2013-09-24_004.xad

Created: 9/24/2013 1:12:46 PM
 Modified: 9/24/2013 1:39:10 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.1

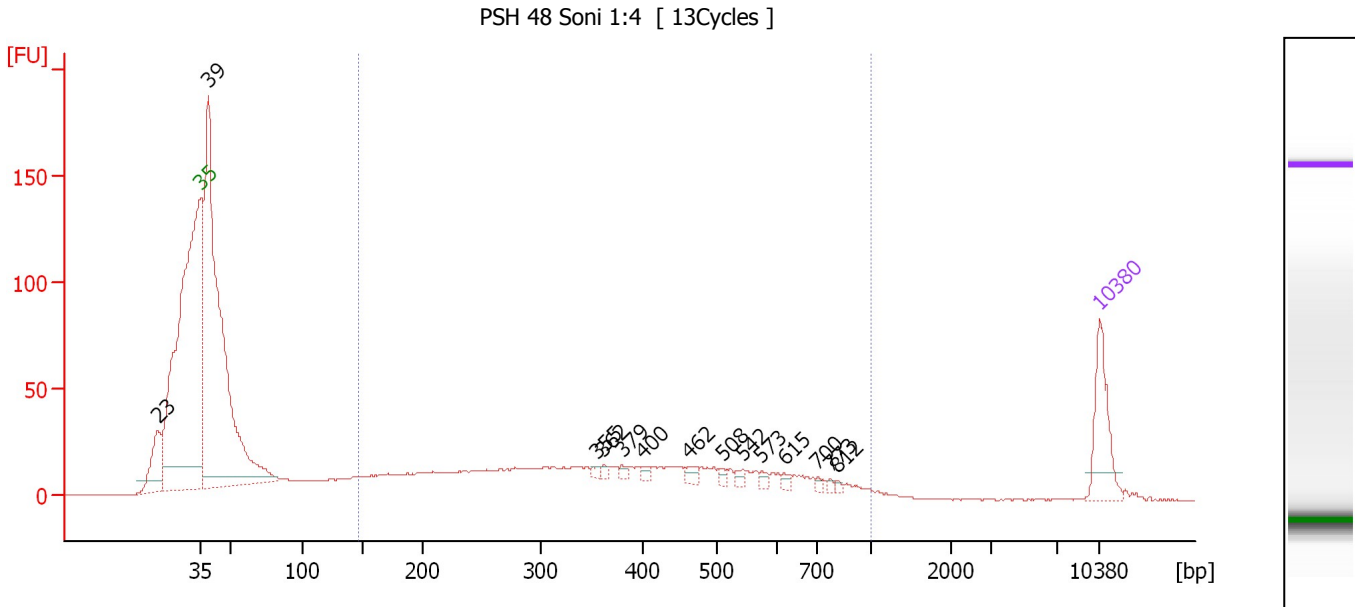
Peak table for Ladder

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\2013-09-24\2013-09-24_004.xad

Created: 9/24/2013 1:12:46 PM
 Modified: 9/24/2013 1:39:10 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : PSH 48 Soni 1:4

Number of peaks found: 14 Corr. Area 1: 695.5
 Noise: 0.3

Peak table for sample 1 : PSH 48 Soni 1:4

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	23	0.00	0.0	
2	35	125.00	5,411.3	Lower Marker
3	39	1,216.29	47,142.5	
4	355	6.06	25.9	
5	362	6.35	26.6	
6	379	7.02	28.0	
7	400	8.20	31.1	
8	462	11.81	38.7	
9	508	6.69	20.0	
10	542	9.57	26.7	
11	573	7.80	20.6	
12	615	7.08	17.4	
13	700	4.66	10.1	
14	773	4.07	8.0	
15	812	3.47	6.5	
16	10,380	75.00	10.9	Upper Marker

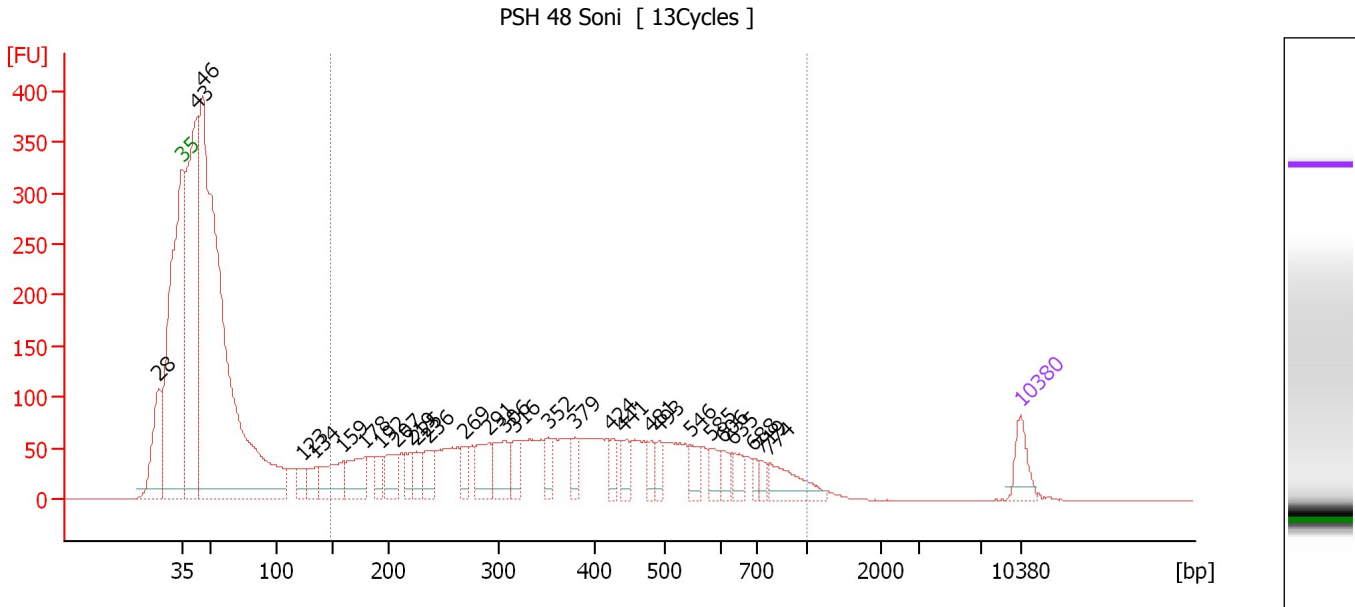
Region table for sample 1 : PSH 48 Soni 1:4

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
147	1,000	399	4,587.4	906.55	695.5	43	43.9	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-09-24\2013-09-24_004.xad

Created: 9/24/2013 1:12:46 PM
 Modified: 9/24/2013 1:39:10 PM

Electropherogram Summary Continued ...



Setpoint Deviations for sample 2 : PSH 48 Soni

Height Threshold [FU] : 10

Overall Results for sample 2 : PSH 48 Soni

Number of peaks found: 29 Corr. Area 1: 2,861.2
 Noise: 0.1

Peak table for sample 2 : PSH 48 Soni

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	28	0.00	0.0	
2	35	125.00	5,411.3	Lower Marker
3	43	1,795.08	63,098.5	
4	46	4,031.09	132,779.9	
5	123	77.05	947.1	
6	134	94.53	1,067.7	
7	159	225.66	2,147.2	
8	178	198.45	1,687.7	
9	192	91.24	720.5	
10	207	140.75	1,031.5	
11	219	70.90	490.7	
12	225	86.79	583.8	
13	236	111.63	715.3	
14	269	81.10	456.7	
15	291	155.71	810.7	
16	306	170.44	842.9	
17	316	79.78	382.1	
18	352	72.17	310.9	
19	379	72.06	287.8	
20	424	58.29	208.4	
21	441	68.68	236.1	
22	481	57.53	181.2	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-09-24\2013-09-24_004.xad

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 Modified: 9/24/2013 1:39:10 PM

Electropherogram Summary Continued ...

... Peak table for sample 2 : PSH 48 Soni

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
23	493	52.87	162.6	
24	546	68.19	189.2	
25	585	68.53	177.5	
26	606	48.13	120.4	
27	635	60.99	145.6	
28	688	29.79	65.6	
29	719	34.10	71.9	
30	774	135.20	264.6	
31	▶ 10,380	75.00	10.9	Upper Marker

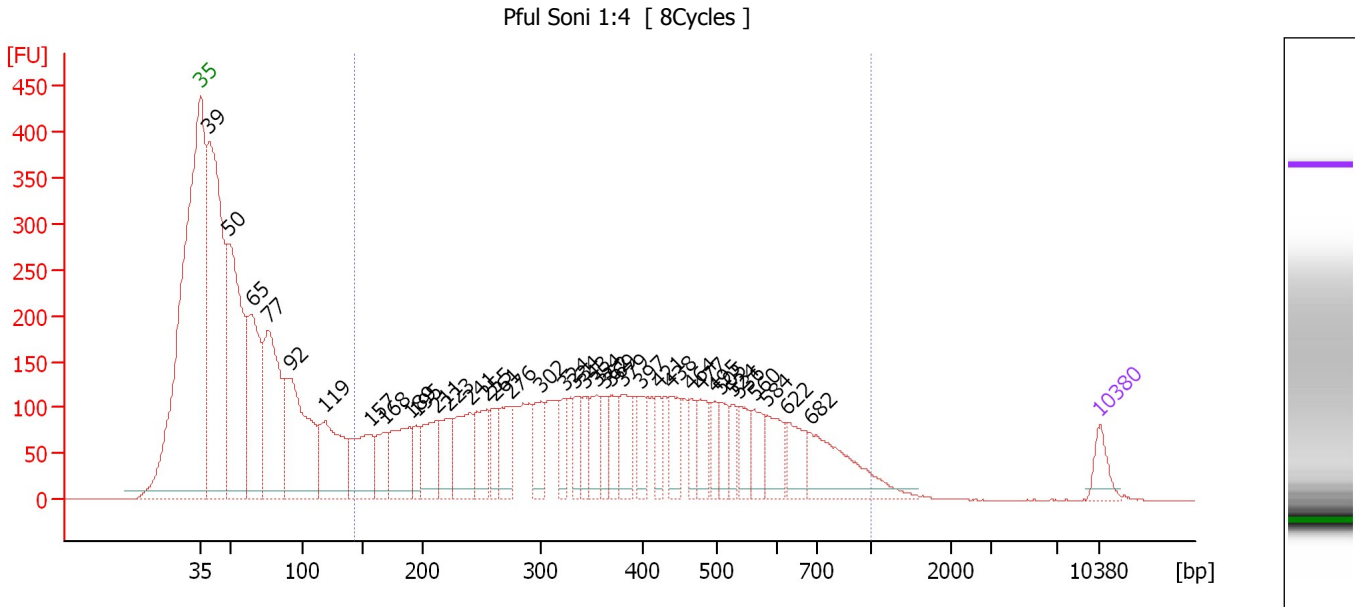
Region table for sample 2 : PSH 48 Soni

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
148	1,000	404	18,194.6	3,640.58	2,861.2	43	43.7	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-09-24\2013-09-24_004.xad

Created: 9/24/2013 1:12:46 PM
 Modified: 9/24/2013 1:39:10 PM

Electropherogram Summary Continued ...



Setpoint Deviations for sample 3 : Pful Soni 1:4

Height Threshold [FU] : 10

Overall Results for sample 3 : Pful Soni 1:4

Number of peaks found: 37 Corr. Area 1: 5,160.8
 Noise: 0.1

Peak table for sample 3 : Pful Soni 1:4

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	39	2,404.54	92,741.4	
3	50	1,476.91	45,036.5	
4	65	885.72	20,578.0	
5	77	990.51	19,476.2	
6	92	997.19	16,448.0	
7	119	573.84	7,283.0	
8	157	407.43	3,922.1	
9	168	201.14	1,809.7	
10	189	376.76	3,013.9	
11	195	126.40	982.6	
12	211	310.03	2,223.8	
13	223	216.59	1,471.1	
14	241	334.80	2,108.4	
15	255	259.43	1,541.4	
16	261	141.53	822.6	
17	276	217.85	1,197.6	
18	302	186.20	935.6	
19	324	124.52	582.7	
20	334	124.39	564.8	
21	343	122.00	538.8	
22	354	165.14	706.5	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-09-24\2013-09-24_004.xad

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Electropherogram Summary Continued ...

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

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
23	362	117.41	491.8	
24	369	133.46	548.4	
25	379	209.52	837.0	
26	397	141.66	540.9	
27	421	105.42	379.5	
28	438	159.11	550.2	
29	464	99.06	323.2	
30	477	164.32	521.5	
31	495	108.81	332.7	
32	505	112.39	336.9	
33	524	87.21	251.9	
34	536	128.15	361.9	
35	560	135.36	365.9	
36	584	173.93	451.6	
37	622	165.85	403.9	
38	682	378.04	840.0	
39	▶ 10,380	75.00	10.9	Upper Marker

Region table for sample 3 : Pful Soni 1:4

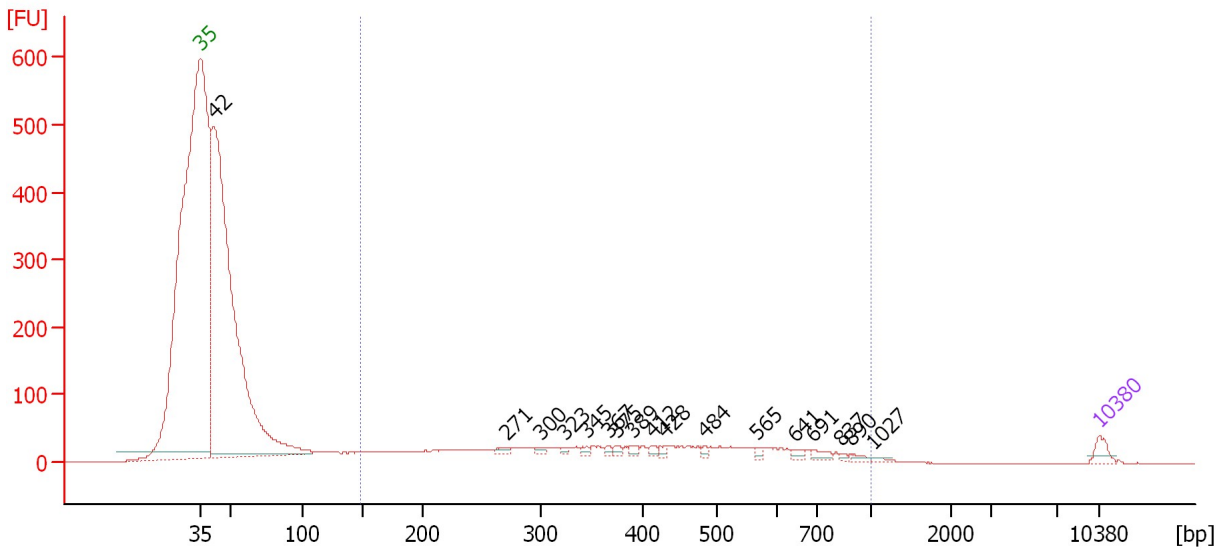
From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
143	1,000	396	34,602.5	6,798.43	5,160.8	55	43.6	■

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-09-24\2013-09-24_004.xad

Created: 9/24/2013 1:12:46 PM
 Modified: 9/24/2013 1:39:10 PM

Electropherogram Summary Continued ...

PSH 82 Soni [9Cycles]



Overall Results for sample 4 : PSH 82 Soni

Number of peaks found: 17 Corr. Area 1: 1,101.2
 Noise: 0.1

Peak table for sample 4 : PSH 82 Soni

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	42	8,559.82	309,682.0	
3	271	40.06	224.1	
4	300	32.80	165.7	
5	323	26.51	124.3	
6	345	30.09	132.1	
7	367	31.26	129.2	
8	375	31.66	128.1	
9	389	41.12	160.2	
10	412	36.44	134.0	
11	428	30.40	107.7	
12	484	31.25	97.8	
13	565	31.98	85.7	
14	641	41.41	97.9	
15	691	59.51	130.5	
16	837	19.25	34.8	
17	890	27.92	47.5	
18	1,027	16.25	24.0	
19	10,380	75.00	10.9	Upper Marker

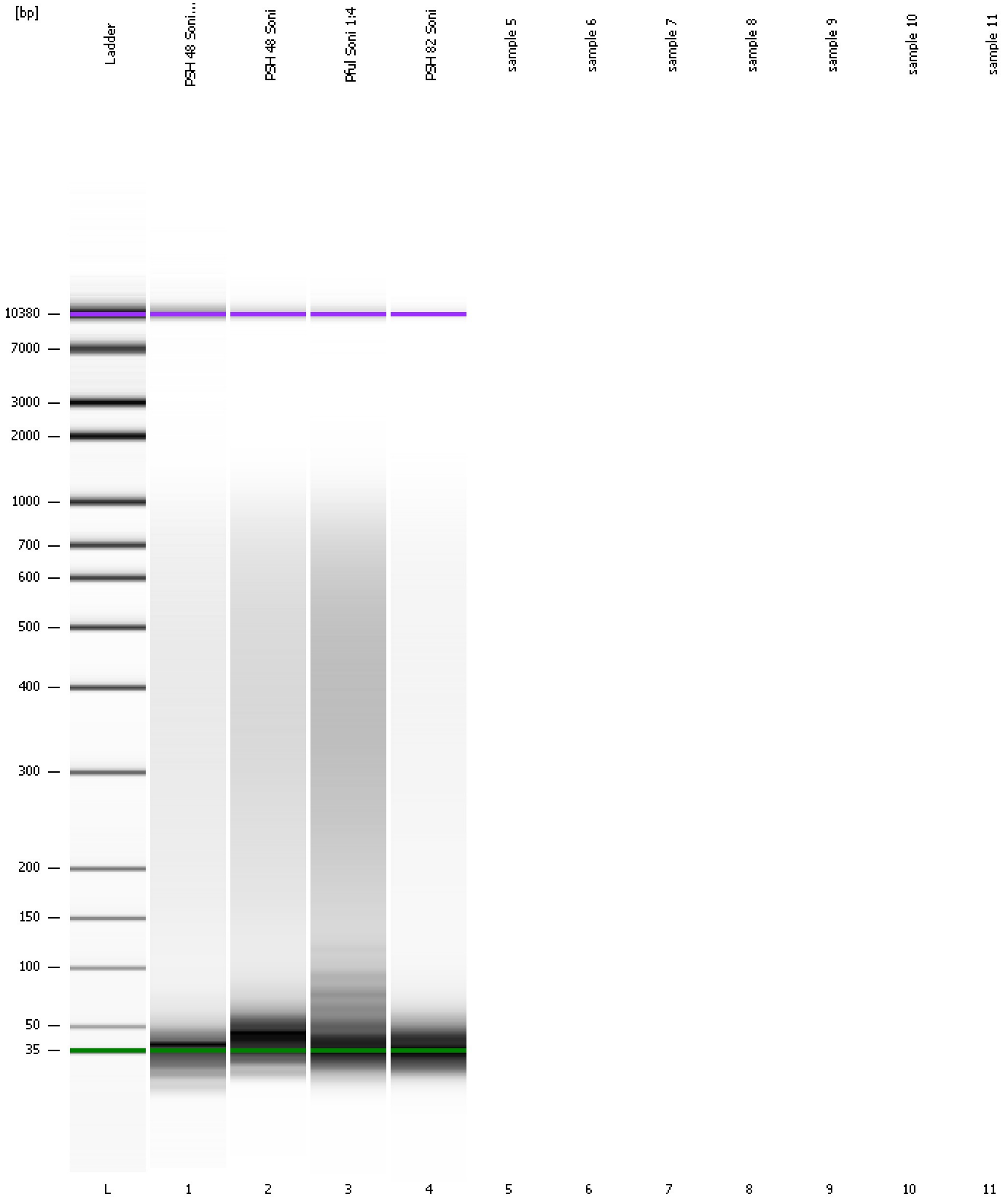
Region table for sample 4 : PSH 82 Soni

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
150	1,000	411	14,611.8	2,978.06	1,101.2	30	43.7	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2013-09-24\2013-09-24_004.xad

Created: 9/24/2013 1:12:46 PM
Modified: 9/24/2013 1:39:10 PM

Gel Image



Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2013-09-24\2013-09-24_004.xad

Created: 9/24/2013 1:12:46 PM
Modified: 9/24/2013 1:39:10 PM

Invalid Samples

Sample 5 has not been run, no results available.

Sample 6 has not been run, no results available.

Sample 7 has not been run, no results available.

Sample 8 has not been run, no results available.

Sample 9 has not been run, no results available.

Sample 10 has not been run, no results available.

Sample 11 has not been run, no results available.