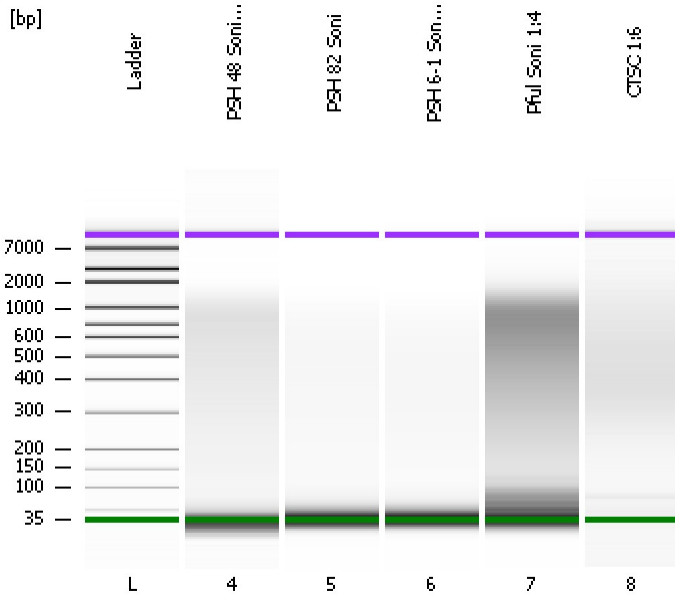


Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ngs\Bioanalyzer\2013-09-23\2013-09-23_001_CTSC_PSH_Soni.xad

Created: 9/23/2013 2:33:34 PM
 Modified: 9/24/2013 9:19:06 AM

Electrophoresis File Run Summary



Instrument Information:

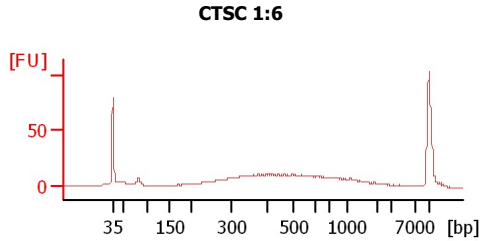
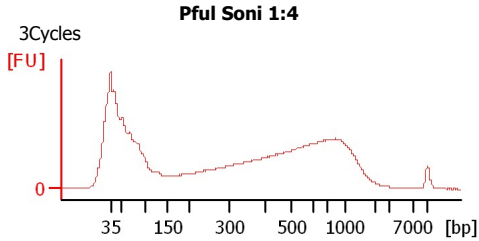
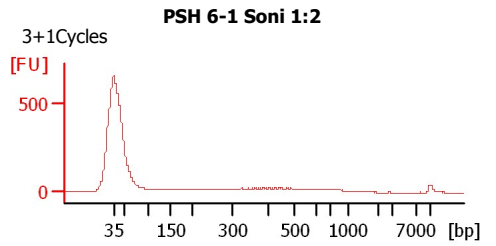
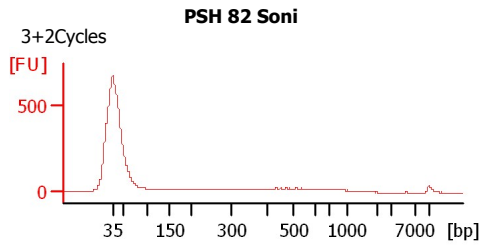
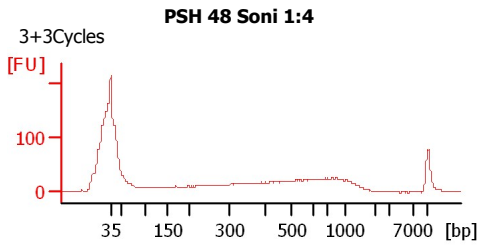
Instrument Name: DE13701086 Firmware: C.01.069
 Serial#: DE13701086 Type: G2938B

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:\...ngs\Bioanalyzer\2013-09-23\2013-09-23_001_CTSC_PSH_Soni.xad

Created: 9/23/2013 2:33:34 PM
 Modified: 9/24/2013 9:19:06 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
PSH 48 Soni 1:4	3+3Cycles	<input type="checkbox"/>	✓			
PSH 82 Soni	3+2Cycles	<input type="checkbox"/>	✓			
PSH 6-1 Soni 1:2	3+1Cycles	<input type="checkbox"/>	✓			
Pful Soni 1:4	3Cycles	<input type="checkbox"/>	✓			
CTSC 1:6		<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ngs\Bioanalyzer\2013-09-23\2013-09-23_001_CTSC_PSH_Soni.xad

Created: 9/23/2013 2:33:34 PM
Modified: 9/24/2013 9:19:06 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

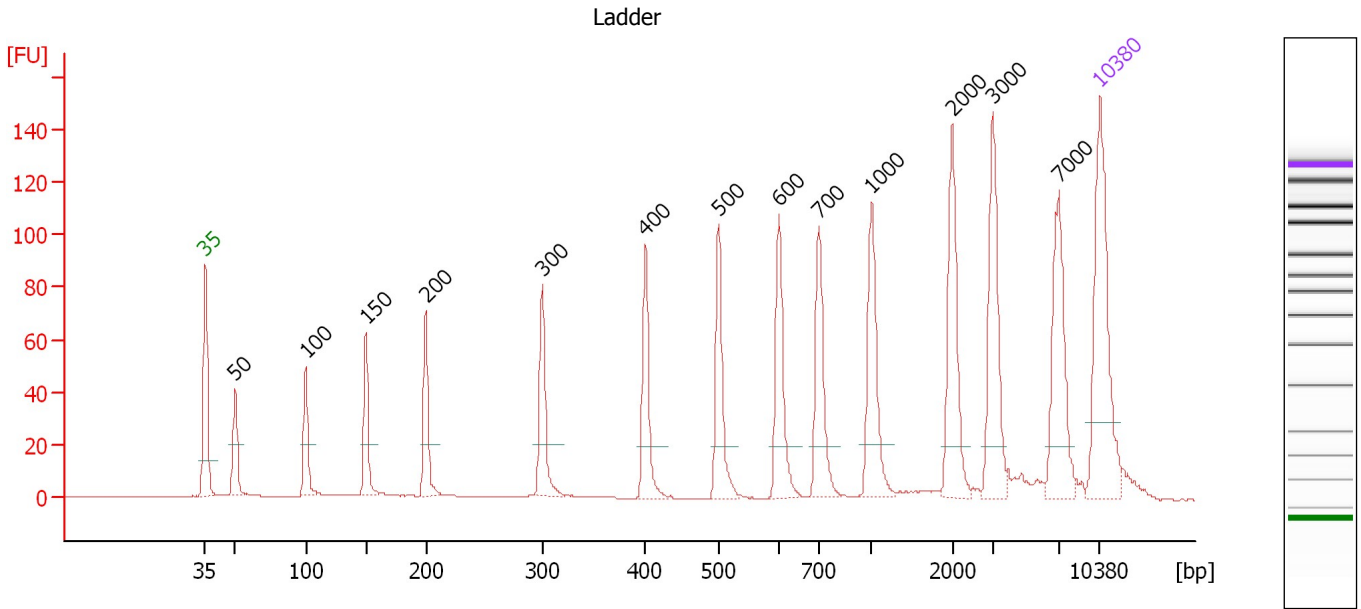
Ladder

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:\...ngs\Bioanalyzer\2013-09-23\2013-09-23_001_CTSC_PSH_Soni.xad

Created: 9/23/2013 2:33:34 PM
 Modified: 9/24/2013 9:19:06 AM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

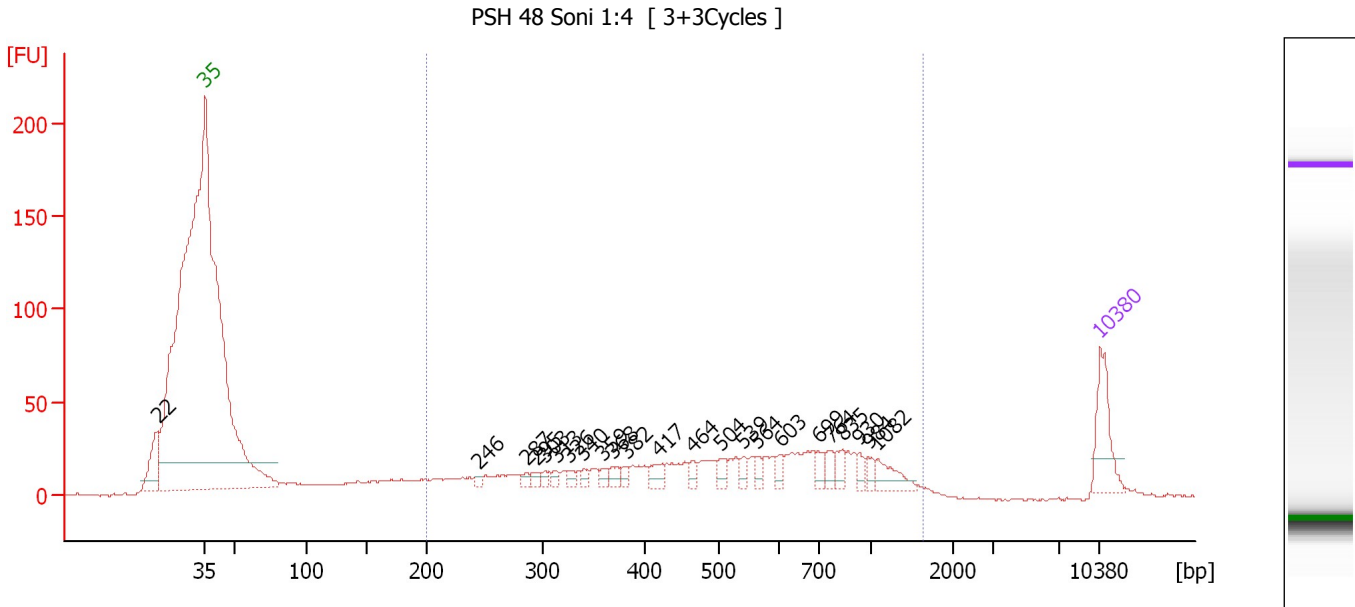
Peak table for Ladder

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:\...ngs\Bioanalyzer\2013-09-23\2013-09-23_001_CTSC_PSH_Soni.xad

Created: 9/23/2013 2:33:34 PM
 Modified: 9/24/2013 9:19:06 AM

Electropherogram Summary Continued ...



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

Number of peaks found: 23 Corr. Area 1: 771.6
 Noise: 0.5

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


Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	22	0.00	0.0	
2	35	125.00	5,411.3	Lower Marker
3	246	7.55	46.6	
4	287	12.22	64.6	
5	295	13.48	69.2	
6	303	11.58	58.0	
7	313	13.16	63.7	
8	326	13.51	62.8	
9	340	11.15	49.7	
10	359	13.15	55.5	
11	368	17.83	73.4	
12	382	14.06	55.8	
13	417	23.61	85.8	
14	464	15.15	49.5	
15	504	18.58	55.9	
16	539	16.22	45.6	
17	564	15.13	40.7	
18	603	15.17	38.1	
19	699	19.50	42.3	
20	764	23.03	45.6	
21	835	21.16	38.4	
22	930	15.71	25.6	
23	984	14.79	22.8	
24	1,082	37.02	51.8	
25	10,380	75.00	10.9	Upper Marker

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ngs\Bioanalyzer\2013-09-23\2013-09-23_001_CTSC_PSH_Soni.xad

Created: 9/23/2013 2:33:34 PM
Modified: 9/24/2013 9:19:06 AM

Electropherogram Summary Continued ...

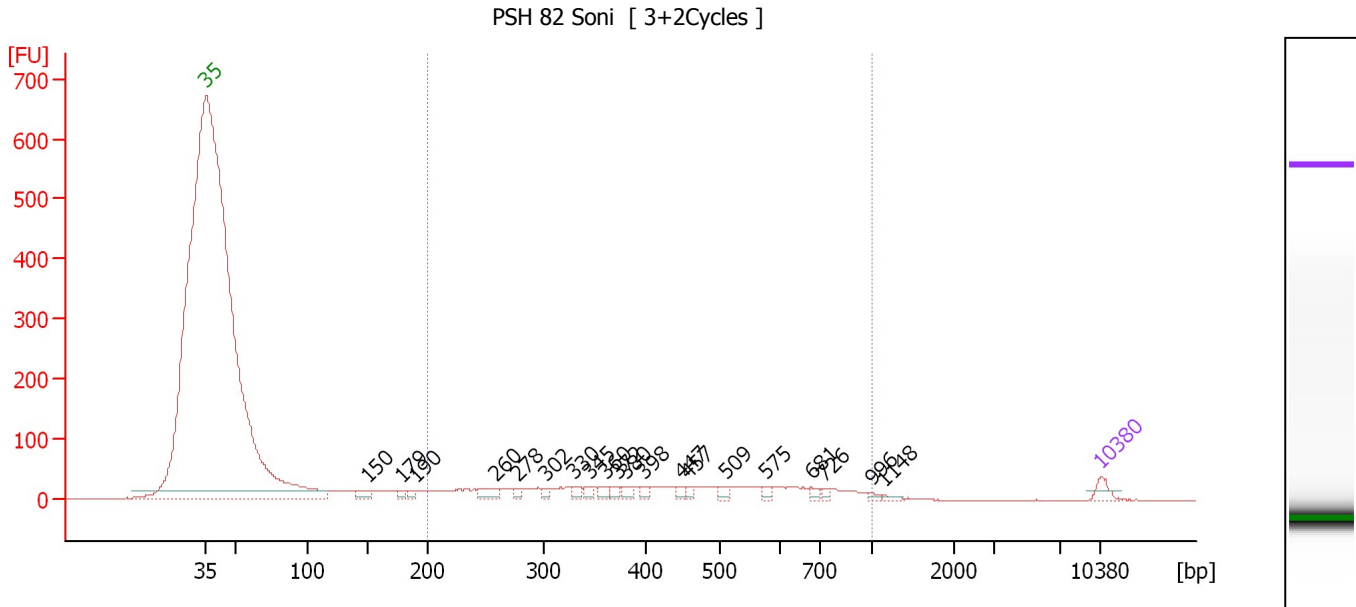
... Region table for sample 4 : PSH 48 Soni 1:4

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/ μ l]	Corr. Area	% of Total	Size distribution in CV [%]	Color
201	1,639	565	3,746.7	1,023.21	771.6	76	49.9	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ngs\Bioanalyzer\2013-09-23\2013-09-23_001_CTSC_PSH_Soni.xad

Created: 9/23/2013 2:33:34 PM
 Modified: 9/24/2013 9:19:06 AM

Electropherogram Summary Continued ...



Overall Results for sample 5 : PSH 82 Soni

Number of peaks found: 20 Corr. Area 1: 871.4
 Noise: 0.2

Peak table for sample 5 : PSH 82 Soni

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	150	105.32	1,061.2	
3	179	49.25	416.2	
4	190	55.74	443.5	
5	260	131.64	767.9	
6	278	52.75	287.6	
7	302	52.70	264.4	
8	330	66.16	304.1	
9	345	61.05	268.2	
10	360	63.52	267.2	
11	372	58.72	239.2	
12	380	62.16	248.1	
13	398	50.84	193.7	
14	447	53.07	179.8	
15	457	46.29	153.4	
16	509	60.95	181.4	
17	575	39.82	104.8	
18	681	47.52	105.8	
19	726	35.02	73.1	
20	996	24.48	37.2	
21	1,148	23.13	30.5	
22	10,380	75.00	10.9	Upper Marker

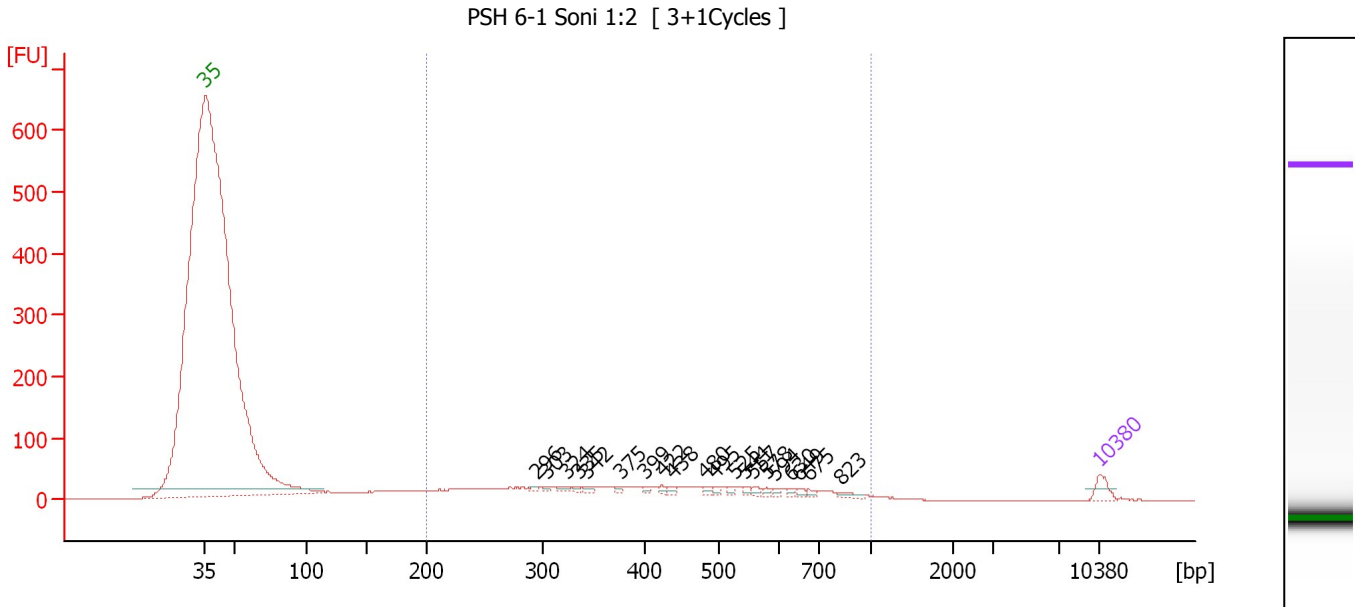
Region table for sample 5 : PSH 82 Soni

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
200	1,000	451	9,752.0	2,339.17	871.4	80	39.7	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ngs\Bioanalyzer\2013-09-23\2013-09-23_001_CTSC_PSH_Soni.xad

Created: 9/23/2013 2:33:34 PM
 Modified: 9/24/2013 9:19:06 AM

Electropherogram Summary Continued ...



Overall Results for sample 6 : PSH 6-1 Soni 1:2

Number of peaks found: 20 Corr. Area 1: 888.4
 Noise: 0.1

Peak table for sample 6 : PSH 6-1 Soni 1:2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	296	19.02	97.5	
3	303	15.93	79.5	
4	324	31.82	148.9	
5	335	22.72	102.8	
6	342	29.04	128.6	
7	375	24.82	100.2	
8	399	24.38	92.7	
9	422	23.12	83.0	
10	438	32.75	113.3	
11	480	26.43	83.4	
12	495	23.89	73.1	
13	525	25.38	73.2	
14	544	26.82	74.8	
15	557	27.55	75.0	
16	578	21.30	55.8	
17	594	20.94	53.4	
18	630	19.90	47.9	
19	649	23.74	55.4	
20	675	23.14	51.9	
21	823	39.44	72.6	
22	10,380	75.00	10.9	Upper Marker

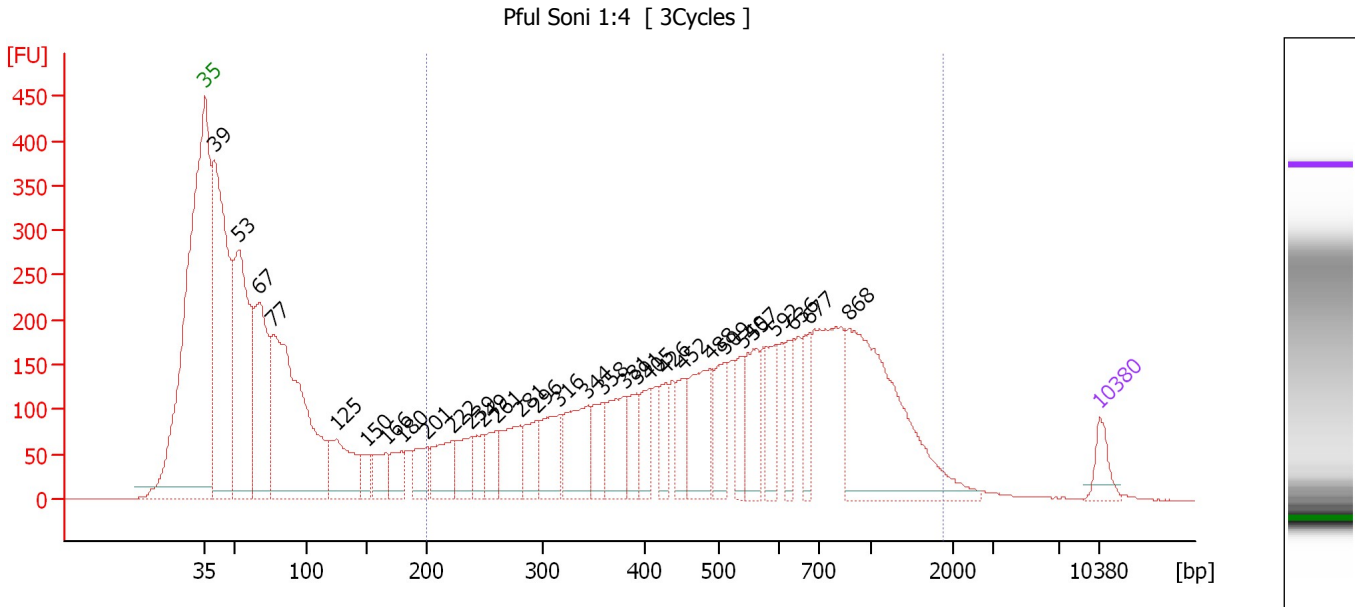
Region table for sample 6 : PSH 6-1 Soni 1:2

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
200	1,000	434	9,676.1	2,264.90	888.4	80	39.0	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ngs\Bioanalyzer\2013-09-23\2013-09-23_001_CTSC_PSH_Soni.xad

Created: 9/23/2013 2:33:34 PM
 Modified: 9/24/2013 9:19:06 AM

Electropherogram Summary Continued ...



Setpoint Deviations for sample 7 : Pful Soni 1:4

Height Threshold [FU] : 10

Overall Results for sample 7 : Pful Soni 1:4

Number of peaks found: 31 Corr. Area 1: 6,078.3
 Noise: 0.1

Peak table for sample 7 : 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	1,993.28	76,687.9	
3	53	1,378.46	39,640.3	
4	67	895.81	20,305.3	
5	77	1,807.24	35,553.1	
6	125	429.86	5,217.5	
7	150	103.87	1,051.8	
8	166	167.05	1,521.7	
9	180	141.41	1,191.0	
10	201	154.64	1,167.0	
11	222	248.45	1,694.5	
12	239	199.59	1,264.0	
13	249	131.01	795.9	
14	261	154.33	895.4	
15	281	269.62	1,454.2	
16	296	191.46	980.4	
17	316	248.58	1,190.0	
18	344	354.27	1,561.9	
19	358	175.07	741.8	
20	381	270.41	1,076.7	
21	391	145.59	563.6	
22	405	172.75	646.4	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ngs\Bioanalyzer\2013-09-23\2013-09-23_001_CTSC_PSH_Soni.xad


Created: 9/23/2013 2:33:34 PM
 Modified: 9/24/2013 9:19:06 AM

Electropherogram Summary Continued ...

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

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
23	426	145.22	516.2	
24	452	157.60	528.6	
25	488	358.88	1,113.6	
26	509	215.10	640.9	
27	540	141.50	397.4	
28	557	238.90	649.7	
29	592	169.45	433.5	
30	636	145.31	346.4	
31	677	151.36	338.9	
32	868	987.13	1,722.3	
33	▶ 10,380	75.00	10.9	Upper Marker

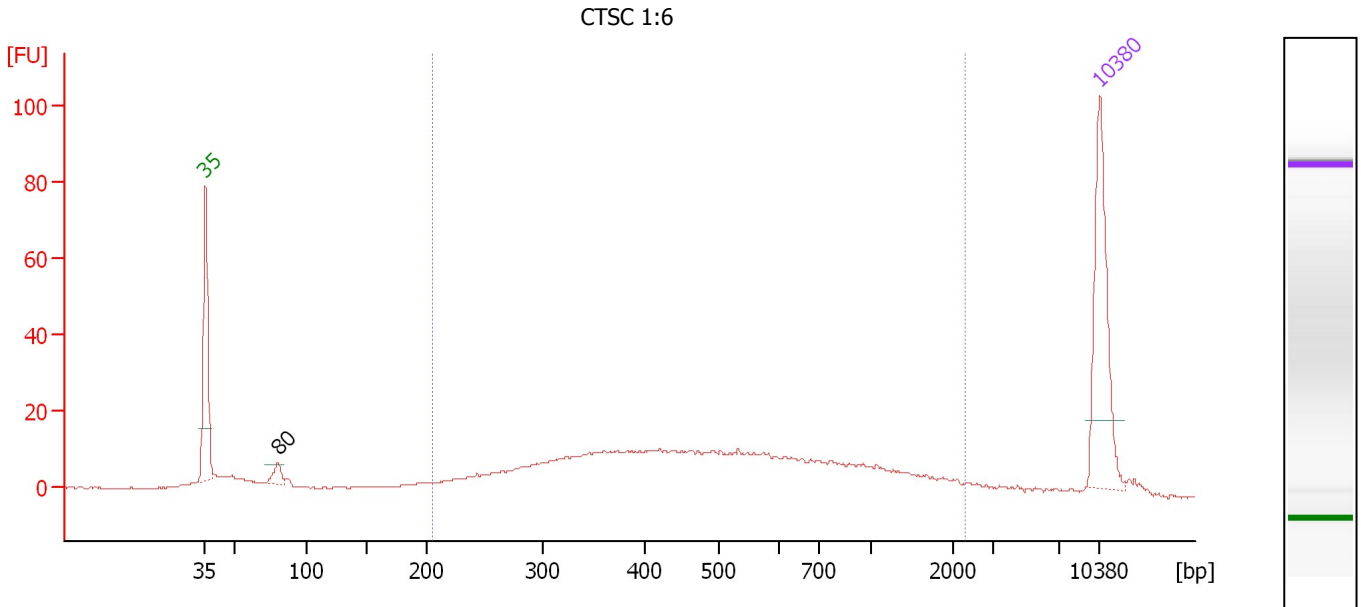
Region table for sample 7 : Pful Soni 1:4

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/µl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
200	1,878	604	22,957.3	6,497.01	6,078.3	57	54.0	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ngs\Bioanalyzer\2013-09-23\2013-09-23_001_CTSC_PSH_Soni.xad

Created: 9/23/2013 2:33:34 PM
 Modified: 9/24/2013 9:19:06 AM

Electropherogram Summary Continued ...



Overall Results for sample 8 : CTSC 1:6

Number of peaks found: 1 Corr. Area 1: 419.6
 Noise: 0.2

Peak table for sample 8 : CTSC 1:6

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	80	13.58	256.0	
3	10,380	75.00	10.9	Upper Marker

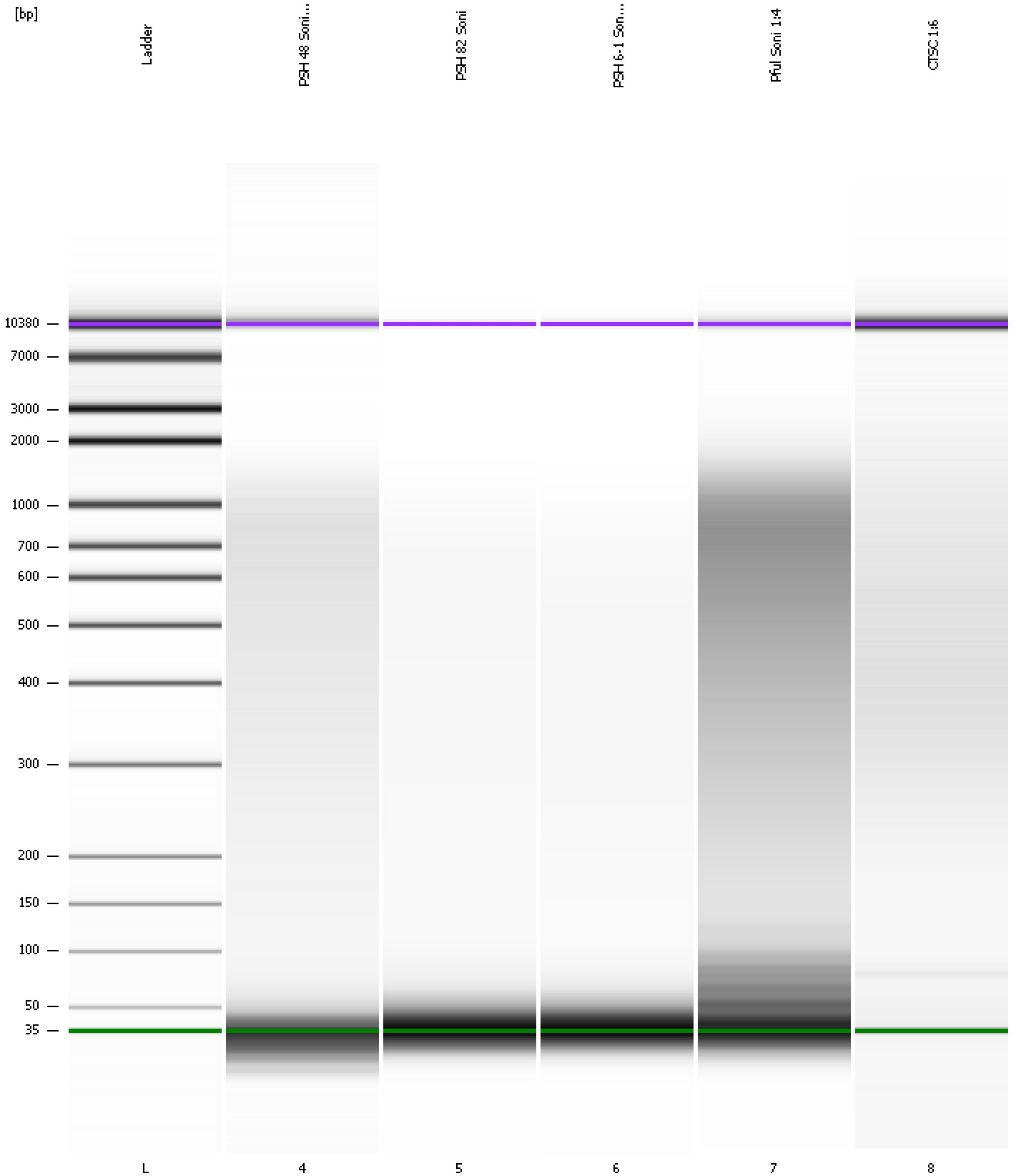
Region table for sample 8 : CTSC 1:6

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
206	2,292	603	1,547.7	431.49	419.6	81	65.0	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ngs\Bioanalyzer\2013-09-23\2013-09-23_001_CTSC_PSH_Soni.xad

Created: 9/23/2013 2:33:34 PM
Modified: 9/24/2013 9:19:06 AM

Gel Image



Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ngs\Bioanalyzer\2013-09-23\2013-09-23_001_CTSC_PSH_Soni.xad

Created: 9/23/2013 2:33:34 PM
Modified: 9/24/2013 9:19:06 AM

Invalid Samples

Sample 1 has not been run, no results available.

Sample 2 has not been run, no results available.

Sample 3 has not been run, no results available.