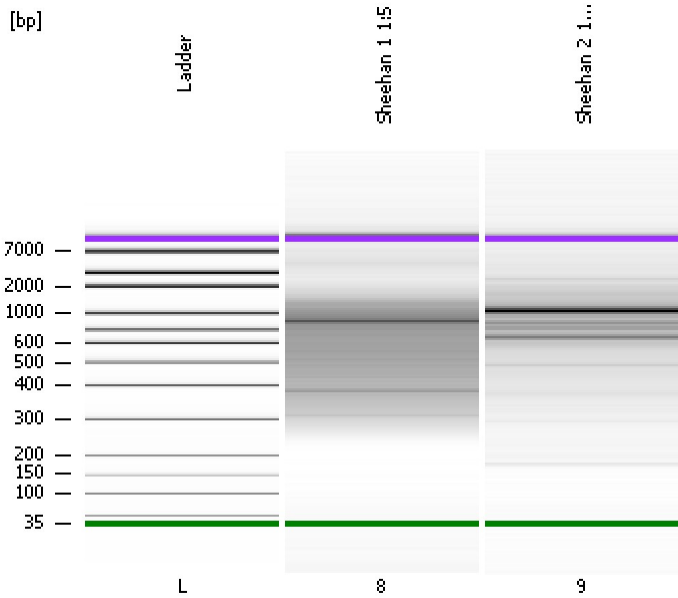


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ings\Bioanalyzer\2014-02-05\2014-02-05_003_Sheehan_Libs.xad

Created: 2/5/2014 1:25:01 PM
Modified: 2/5/2014 2:21:03 PM

Electrophoresis File Run Summary



Instrument Information:

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

Assay Information:

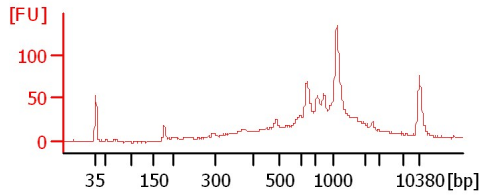
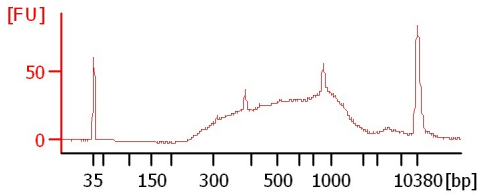
Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\dsDNA\High Sensitivity DNA.xsy
Assay Class: High Sensitivity DNA Assay
Version: 1.03
Assay Comments: Copyright © 2003-2010 Agilent Technologies

Chip Information:

Chip Lot #:
Reagent Kit Lot #:
Chip Comments:

Sheehan 1 1:5

Sheehan 2 1:10



Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ings\Bioanalyzer\2014-02-05\2014-02-05_003_Sheehan_Libs.xad

Created: 2/5/2014 1:25:01 PM
Modified: 2/5/2014 2:21:03 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
Sheehan 1 1:5		<input type="checkbox"/>	✓			
Sheehan 2 1:10		<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

Chip Lot #**Reagent Kit Lot #****Chip Comments :**

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ings\Bioanalyzer\2014-02-05\2014-02-05_003_Sheehan_Libs.xad

Created: 2/5/2014 1:25:01 PM
Modified: 2/5/2014 2:21:03 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/ 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

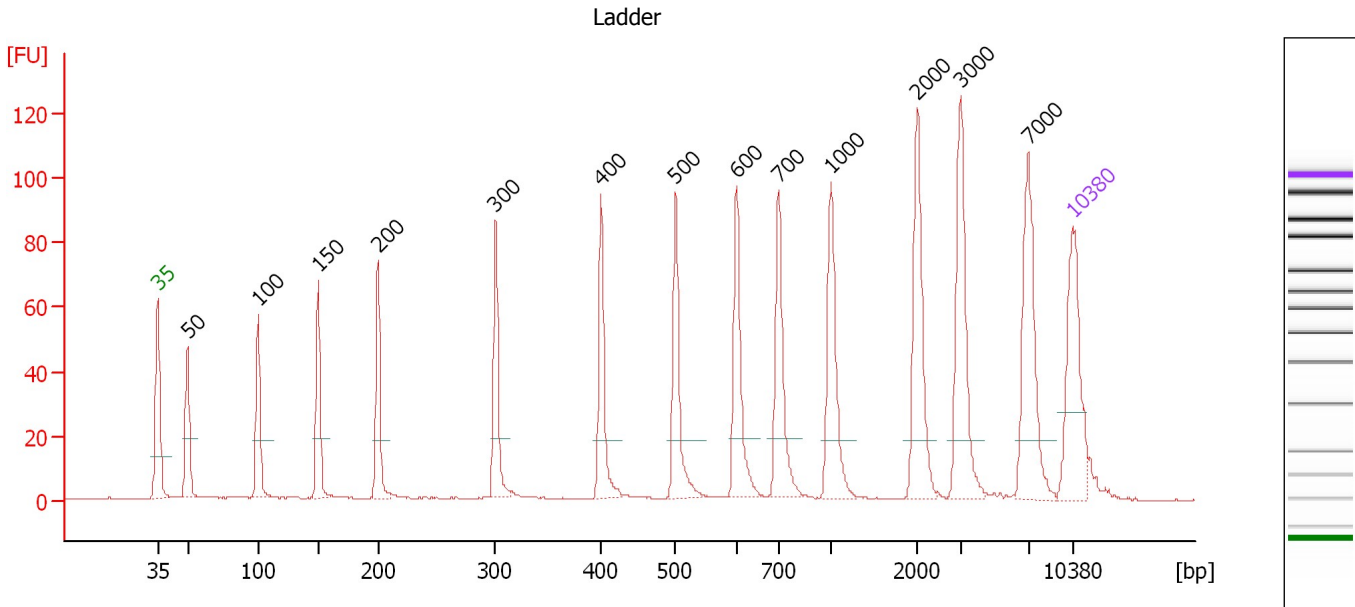
Ladder

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:\...ings\Bioanalyzer\2014-02-05\2014-02-05_003_Sheehan_Libs.xad

Created: 2/5/2014 1:25:01 PM
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Electropherogram Summary



Overall Results for Ladder

Noise: 0.1

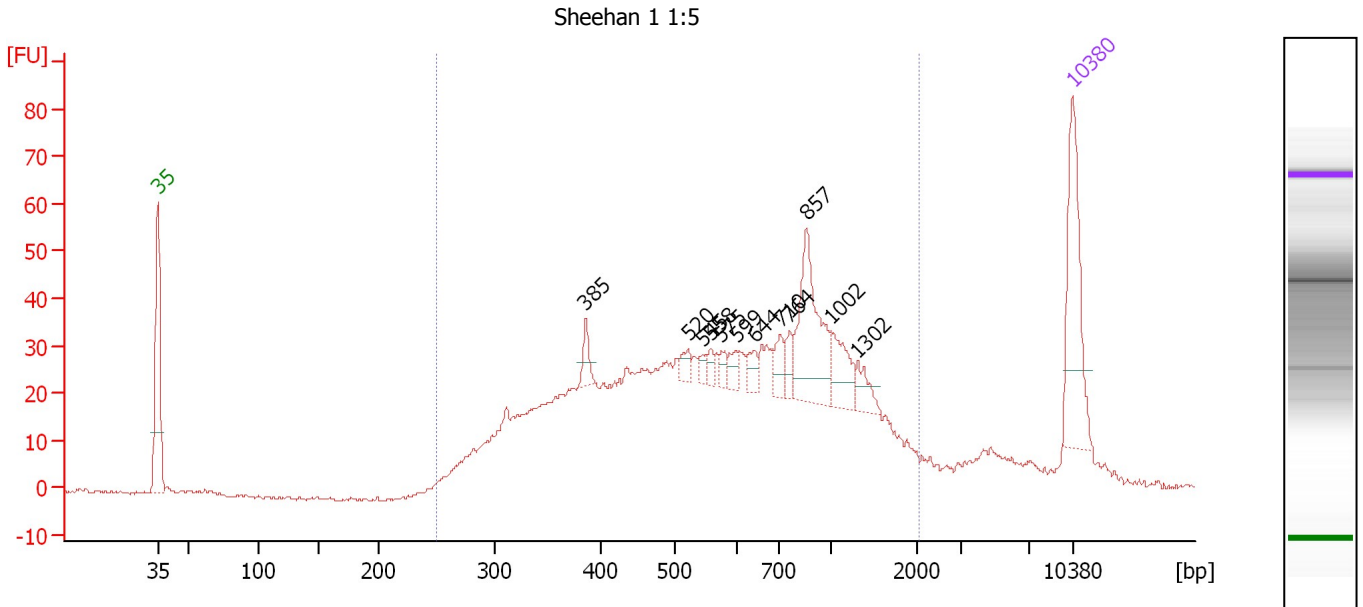
Peak table for Ladder

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	45.30	50	150.00	4,545.5	Ladder Peak
3	50.69	100	150.00	2,272.7	Ladder Peak
4	55.30	150	150.00	1,515.2	Ladder Peak
5	59.86	200	150.00	1,136.4	Ladder Peak
6	68.85	300	150.00	757.6	Ladder Peak
7	76.94	400	150.00	568.2	Ladder Peak
8	82.63	500	150.00	454.5	Ladder Peak
9	87.32	600	150.00	378.8	Ladder Peak
10	90.49	700	150.00	324.7	Ladder Peak
11	94.53	1,000	150.00	227.3	Ladder Peak
12	101.14	2,000	150.00	113.6	Ladder Peak
13	104.44	3,000	150.00	75.8	Ladder Peak
14	109.61	7,000	150.00	32.5	Ladder Peak
15	113.00	10,380	75.00	10.9	Upper Marker

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ings\Bioanalyzer\2014-02-05\2014-02-05_003_Sheehan_Libs.xad

Created: 2/5/2014 1:25:01 PM
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Electropherogram Summary Continued ...



Overall Results for sample 8 : Sheehan 1 1:5

Number of peaks found: 12 Corr. Area 1: 1,014.9
 Noise: 0.4

Peak table for sample 8 : Sheehan 1 1:5

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	75.75	385	15.19	59.7	
3	83.58	520	9.46	27.5	
4	84.74	545	6.30	17.5	
5	85.37	558	7.84	21.3	
6	86.14	575	7.76	20.5	
7	87.25	599	9.17	23.2	
8	88.70	644	11.11	26.2	
9	90.63	710	16.55	35.3	
10	91.36	764	12.48	24.7	
11	92.61	857	87.67	154.9	
12	94.55	1,002	30.95	46.8	
13	96.53	1,302	14.36	16.7	
14	113.00	10,380	75.00	10.9	Upper Marker

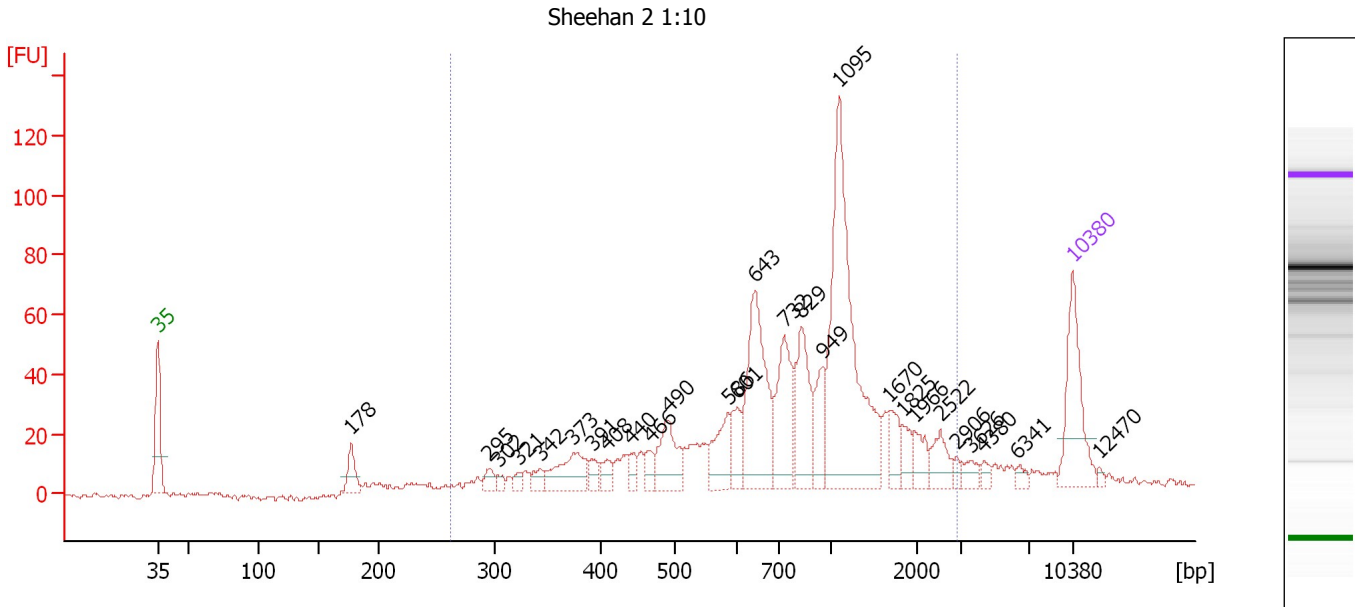
Region table for sample 8 : Sheehan 1 1:5

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
250	2,031	689	4,253.3	1,431.76	1,014.9	91	53.4	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ings\Bioanalyzer\2014-02-05\2014-02-05_003_Sheehan_Libs.xad

Created: 2/5/2014 1:25:01 PM
 Modified: 2/5/2014 2:21:03 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : Sheehan 2 1:10

Number of peaks found: 27 Corr. Area 1: 995.8
 Noise: 0.7

Peak table for sample 9 : Sheehan 2 1:10

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	57.82	178	30.63	261.2	
3	68.40	295	15.68	80.6	
4	69.03	302	7.48	37.5	
5	70.59	321	9.60	45.2	
6	72.25	342	13.37	59.2	
7	74.78	373	59.65	242.1	
8	76.25	391	15.12	58.5	
9	77.42	408	15.91	59.0	
10	79.22	440	14.10	48.5	
11	80.68	466	16.91	55.0	
12	82.05	490	61.07	188.9	
13	86.68	586	51.20	132.3	
14	87.36	601	31.32	78.9	
15	88.68	643	155.90	367.5	
16	90.92	732	88.18	182.6	
17	92.23	829	80.08	146.3	
18	93.84	949	40.82	65.2	
19	95.16	1,095	292.45	404.8	
20	98.96	1,670	26.31	23.9	
21	99.98	1,825	17.15	14.2	
22	100.91	1,966	21.69	16.7	
23	102.86	2,522	26.19	15.7	
24	104.13	2,906	5.87	3.1	
25	105.25	3,626	11.34	4.7	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ings\Bioanalyzer\2014-02-05\2014-02-05_003_Sheehan_Libs.xad


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Electropherogram Summary Continued ...

... Peak table for sample 9 : Sheehan 2 1:10

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations
26	106.22	4,380	6.58	2.3	
27	108.76	6,341	5.82	1.4	
28	113.00	10,380	75.00	10.9	Upper Marker
29	115.10	12,470	0.00	0.0	

Region table for sample 9 : Sheehan 2 1:10

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/ μ l]	Corr. Area	% of Total	Size distribution in CV [%]	Color
263	2,936	948	2,787.4	1,223.71	995.8	89	55.3	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ings\Bioanalyzer\2014-02-05\2014-02-05_003_Sheehan_Libs.xad

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Gel Image

