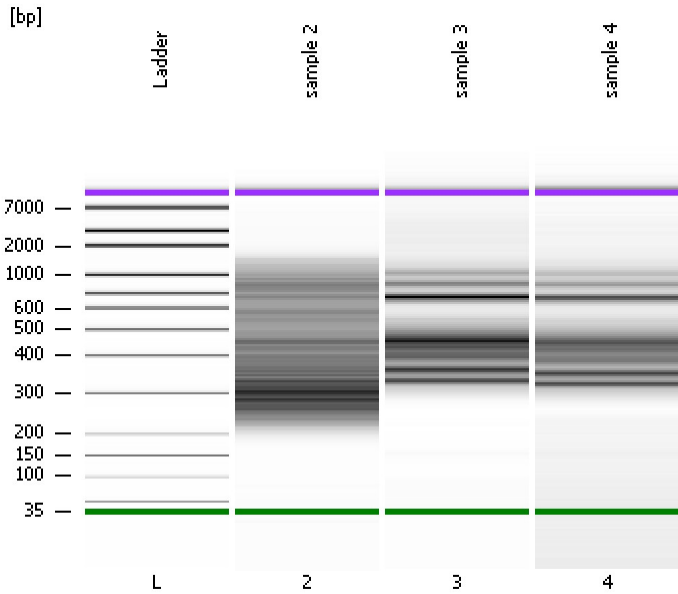


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ttings\Bioanalyzer\2014-04-23\2014-04-23\_001\_Sarah\_John.xad

Created: 4/23/2014 10:43:34 AM  
Modified: 4/25/2014 10:51:13 AM

**Electrophoresis File Run Summary**



Instrument Information:

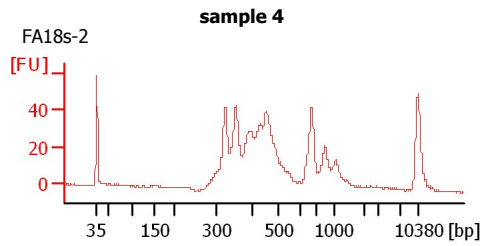
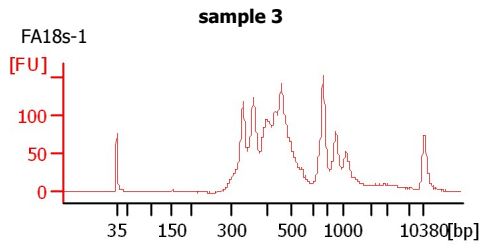
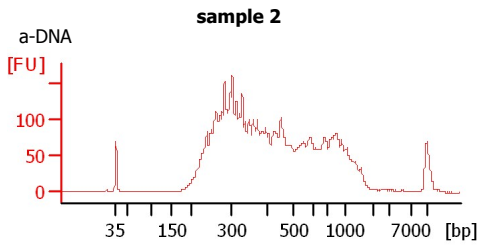
Instrument Name: DE13701086      Firmware: C.01.069  
Serial#: DE13701086      Type: G2938B

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:\...ttings\Bioanalyzer\2014-04-23\2014-04-23\_001\_Sarah\_John.xad

Created: 4/23/2014 10:43:34 AM  
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**Electrophoresis File Run Summary (Chip Summary)**

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
sample 2	a-DNA	<input type="checkbox"/>	✓			
sample 3	FA18s-1	<input type="checkbox"/>	✓			
sample 4	FA18s-2	<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

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

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ttings\Bioanalyzer\2014-04-23\2014-04-23\_001\_Sarah\_John.xad

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**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

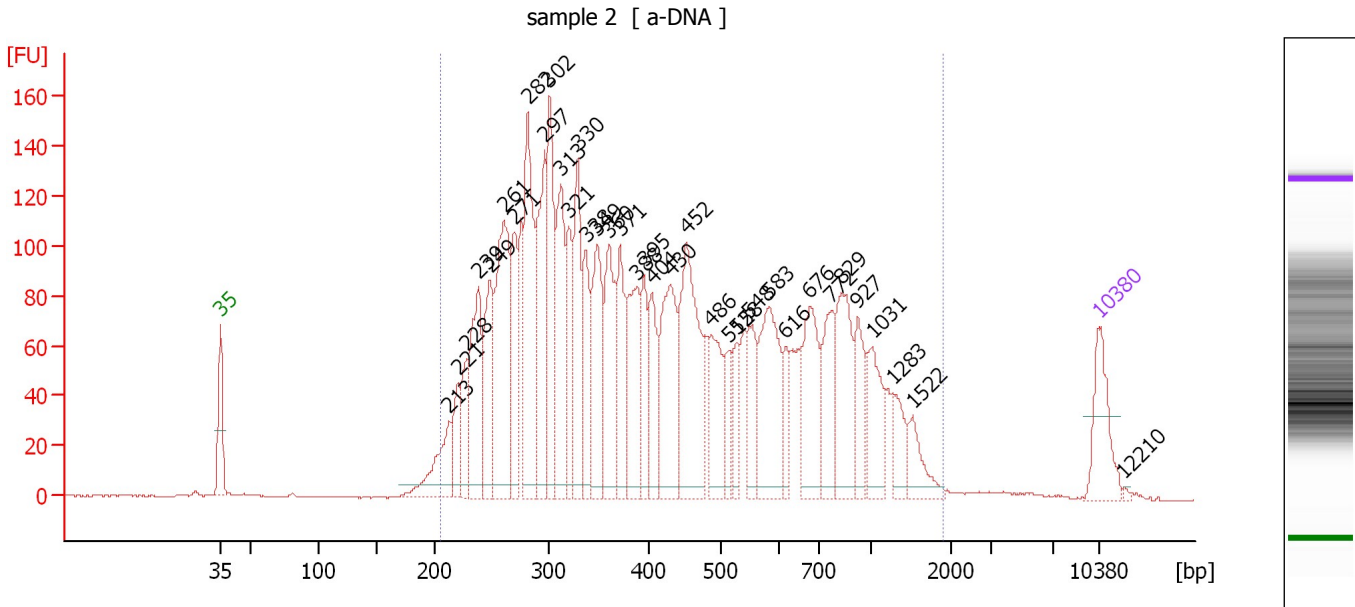
**Ladder**

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:\...ttings\Bioanalyzer\2014-04-23\2014-04-23\_001\_Sarah\_John.xad

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**Electropherogram Summary**



**Overall Results for sample 2 : sample 2**

Number of peaks found: 36                      Corr. Area 1: 3,983.5  
 Noise: 0.2

**Peak table for sample 2 : sample 2**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	213	122.12	867.6	
3	221	70.55	484.2	
4	228	77.47	514.1	
5	239	205.52	1,302.3	
6	249	161.39	982.2	
7	261	315.58	1,830.7	
8	271	139.25	779.8	
9	282	283.65	1,522.3	
10	297	220.53	1,125.5	
11	302	207.39	1,041.3	
12	313	199.70	967.2	
13	321	116.42	550.0	
14	330	170.51	783.6	
15	338	119.63	536.9	
16	349	168.08	729.3	
17	360	169.11	711.3	
18	371	122.54	500.0	
19	388	149.93	586.0	
20	395	89.45	343.1	
21	404	101.04	378.9	
22	430	200.25	705.2	
23	452	272.32	913.1	
24	486	119.39	372.0	
25	515	48.66	143.2	
26	528	53.55	153.5	

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ttings\Bioanalyzer\2014-04-23\2014-04-23\_001\_Sarah\_John.xad


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**Electropherogram Summary Continued ...**

**... Peak table for sample 2 : sample 2**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	548	77.44	214.0	
28	583	189.61	493.2	
29	616	43.57	107.3	
30	676	141.20	316.7	
31	772	103.61	203.4	
32	829	140.71	257.3	
33	927	71.29	116.6	
34	1,031	89.24	131.1	
35	1,283	48.53	57.3	
36	1,522	45.58	45.4	
37	10,380	75.00	10.9	Upper Marker
38	12,210	0.00	0.0	

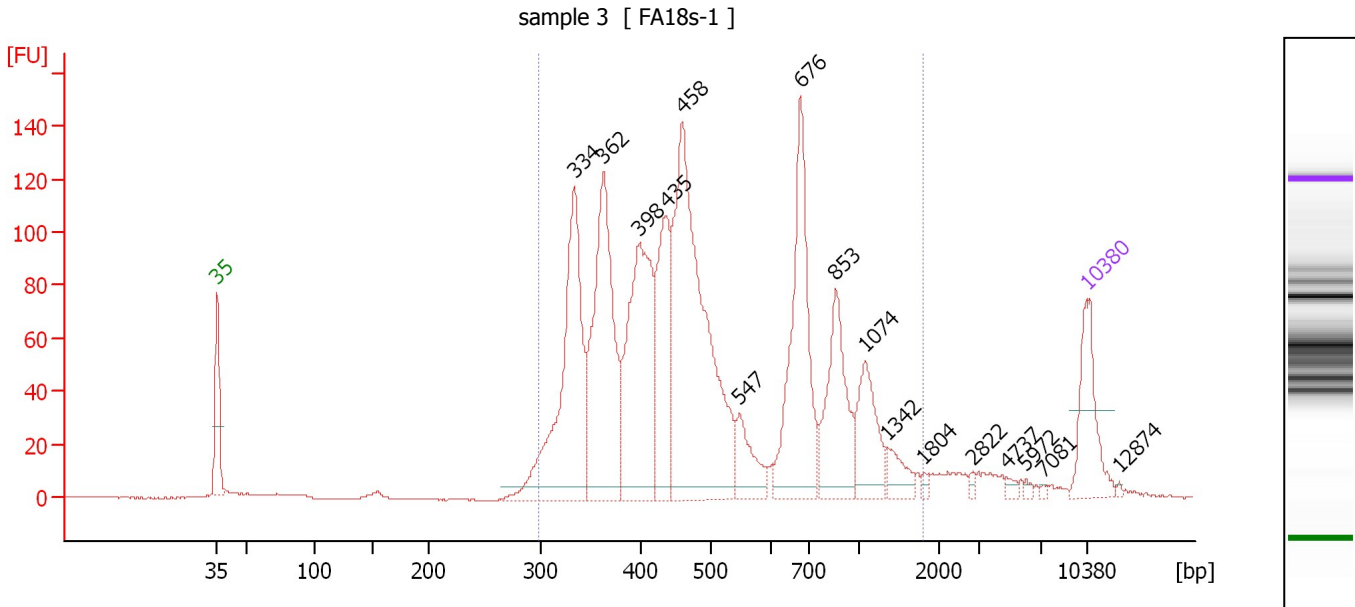
**Region table for sample 2 : sample 2**

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
205	1,901	491	21,136.2	5,096.56	3,983.5	98	56.9	

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ttings\Bioanalyzer\2014-04-23\2014-04-23\_001\_Sarah\_John.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : sample 3**

Number of peaks found: 16                      Corr. Area 1: 2,213.1  
 Noise: 0.2

**Peak table for sample 3 : sample 3**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	334	382.42	1,736.9	
3	362	343.18	1,435.0	
4	398	317.89	1,210.2	
5	435	175.93	612.9	
6	458	551.03	1,824.6	
7	547	63.00	174.4	
8	676	258.06	578.7	
9	853	141.76	251.8	
10	1,074	84.83	119.7	
11	1,342	29.31	33.1	
12	1,804	4.57	3.8	
13	2,822	4.38	2.4	
14	4,737	5.77	1.8	
15	5,972	3.48	0.9	
16	7,081	1.98	0.4	
17	10,380	75.00	10.9	Upper Marker
18	12,874	0.00	0.0	

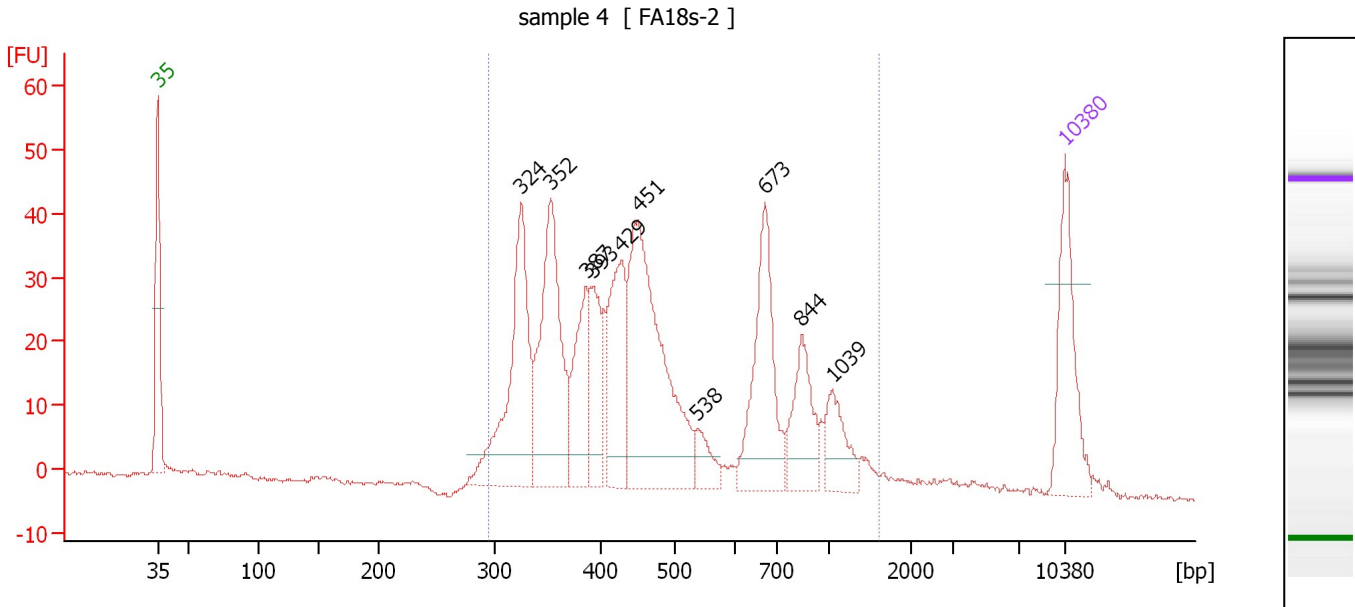
**Region table for sample 3 : sample 3**

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
298	1,796	546	7,641.9	2,290.71	2,213.1	94	46.3	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ttings\Bioanalyzer\2014-04-23\2014-04-23\_001\_Sarah\_John.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : sample 4**

Number of peaks found: 10      Corr. Area 1: 731.1  
 Noise: 0.4

**Peak table for sample 4 : sample 4**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	324	198.53	927.5	
3	352	195.26	839.5	
4	387	85.29	333.9	
5	393	67.31	259.2	
6	429	110.66	390.8	
7	451	266.53	894.8	
8	538	25.27	71.1	
9	673	132.05	297.3	
10	844	65.41	117.5	
11	1,039	41.45	60.4	
12	10,380	75.00	10.9	Upper Marker

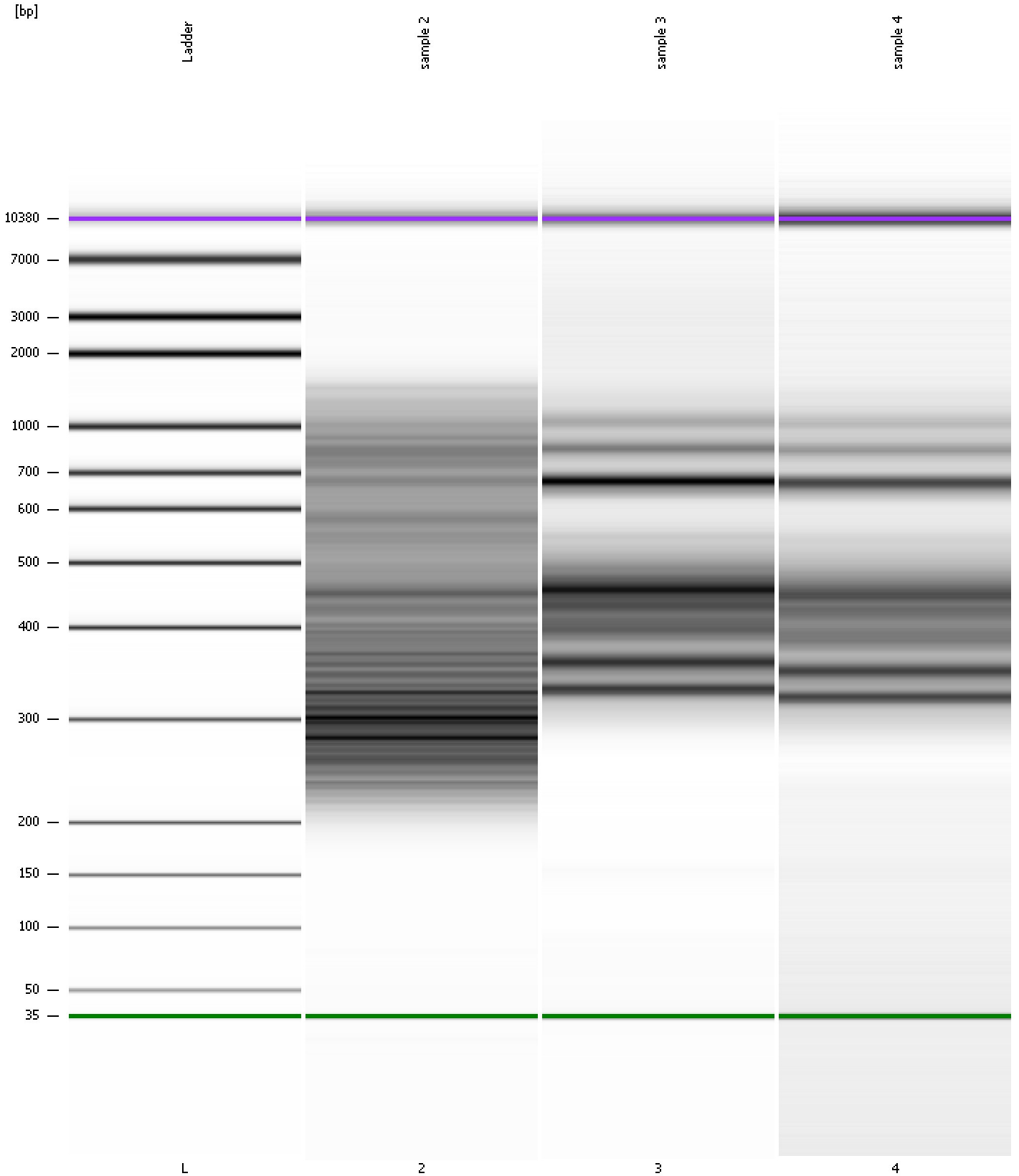
**Region table for sample 4 : sample 4**

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
294	1,609	522	4,117.5	1,193.61	731.1	96	44.0	Blue

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ttings\Bioanalyzer\2014-04-23\2014-04-23\_001\_Sarah\_John.xad

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**Gel Image**





Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ttings\Bioanalyzer\2014-04-23\2014-04-23\_001\_Sarah\_John.xad

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**Curves**

**Standard Curve**

