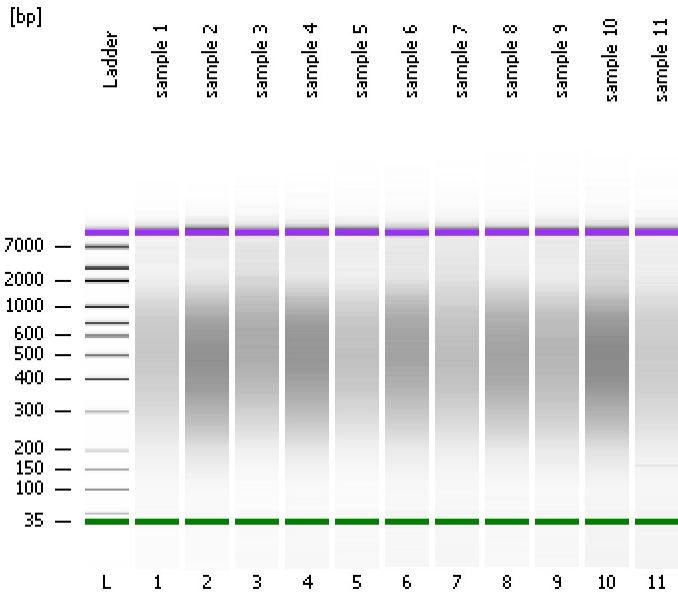


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2014-08-04\2014-08-04\_007.xad

Created: 8/4/2014 4:35:08 PM  
Modified: 8/7/2014 4:05:12 PM

### Electrophoresis File Run Summary



#### Instrument Information:

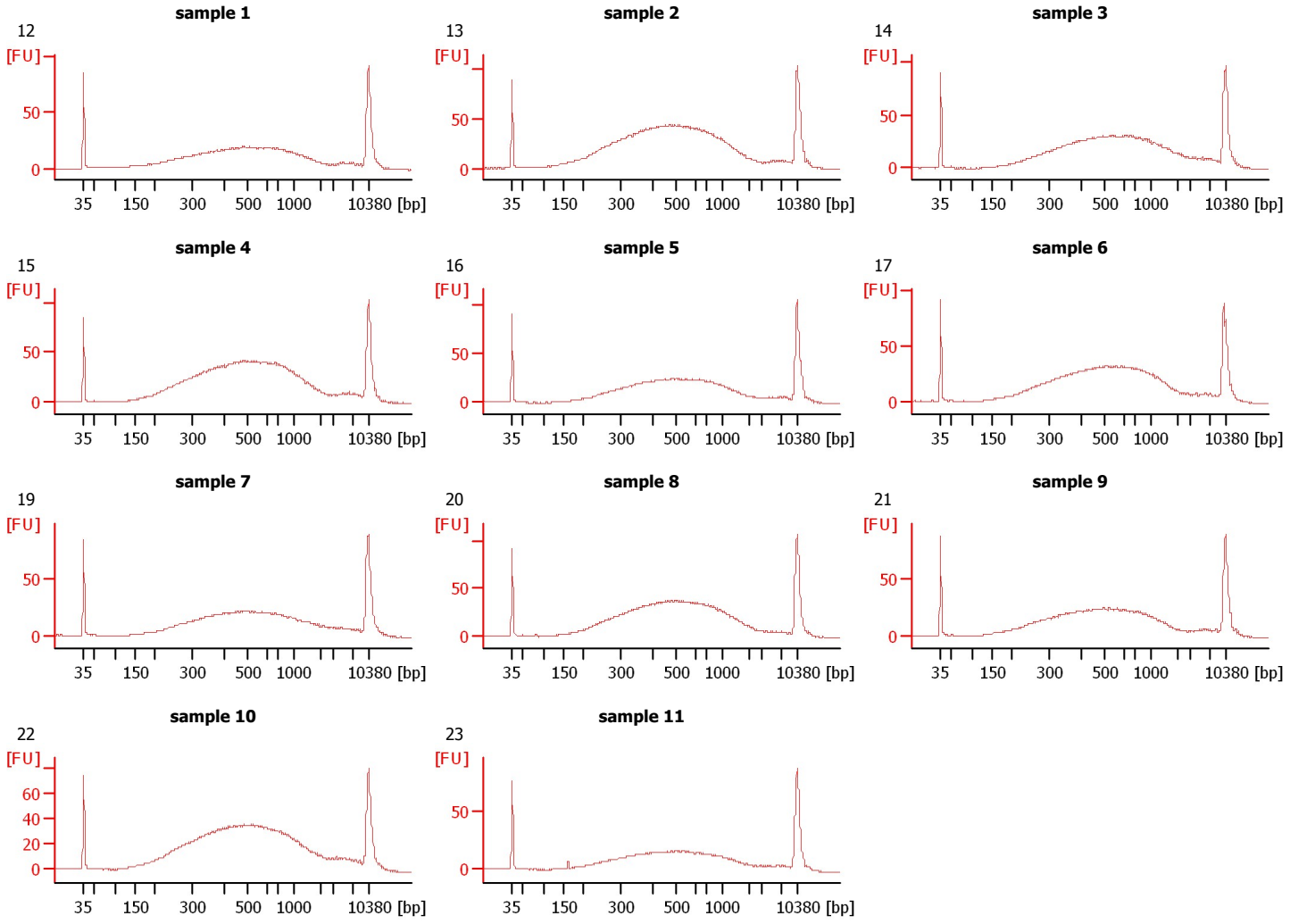
Instrument Name: DE13701086      Firmware: C.01.069  
Serial#: DE13701086      Type: G2938B

#### 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:\... bioanalyzer\2100 expert\data\2014-08-04\2014-08-04\_007.xad

Created: 8/4/2014 4:35:08 PM  
 Modified: 8/7/2014 4:05:12 PM

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

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
sample 1	12	<input type="checkbox"/>	✓			
sample 2	13	<input type="checkbox"/>	✓			
sample 3	14	<input type="checkbox"/>	✓			
sample 4	15	<input type="checkbox"/>	✓			
sample 5	16	<input type="checkbox"/>	✓			
sample 6	17	<input type="checkbox"/>	✓			
sample 7	19	<input type="checkbox"/>	✓			
sample 8	20	<input type="checkbox"/>	✓			
sample 9	21	<input type="checkbox"/>	✓			
sample 10	22	<input type="checkbox"/>	✓			
sample 11	23	<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

**Chip Lot #**

**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2014-08-04\2014-08-04\_007.xad

Created: 8/4/2014 4:35:08 PM  
Modified: 8/7/2014 4:05:12 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

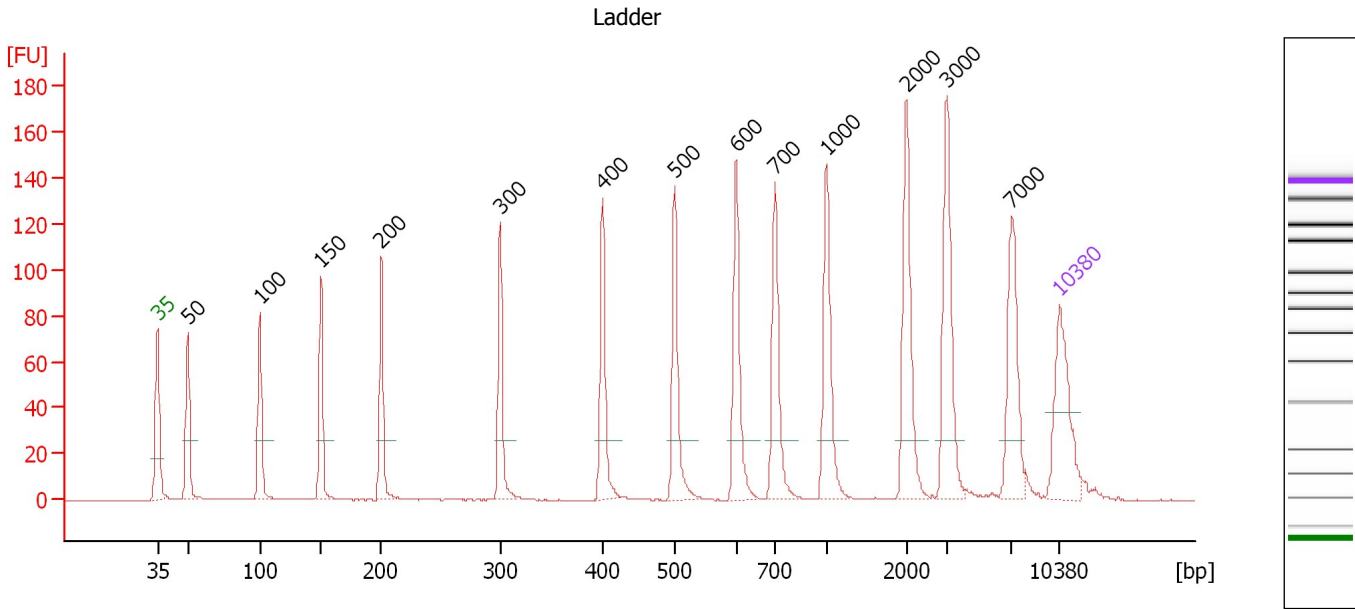
**Ladder**

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:\... bioanalyzer\2100 expert\data\2014-08-04\2014-08-04\_007.xad

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**Electropherogram Summary**



**Overall Results for Ladder**

Noise: 0.2

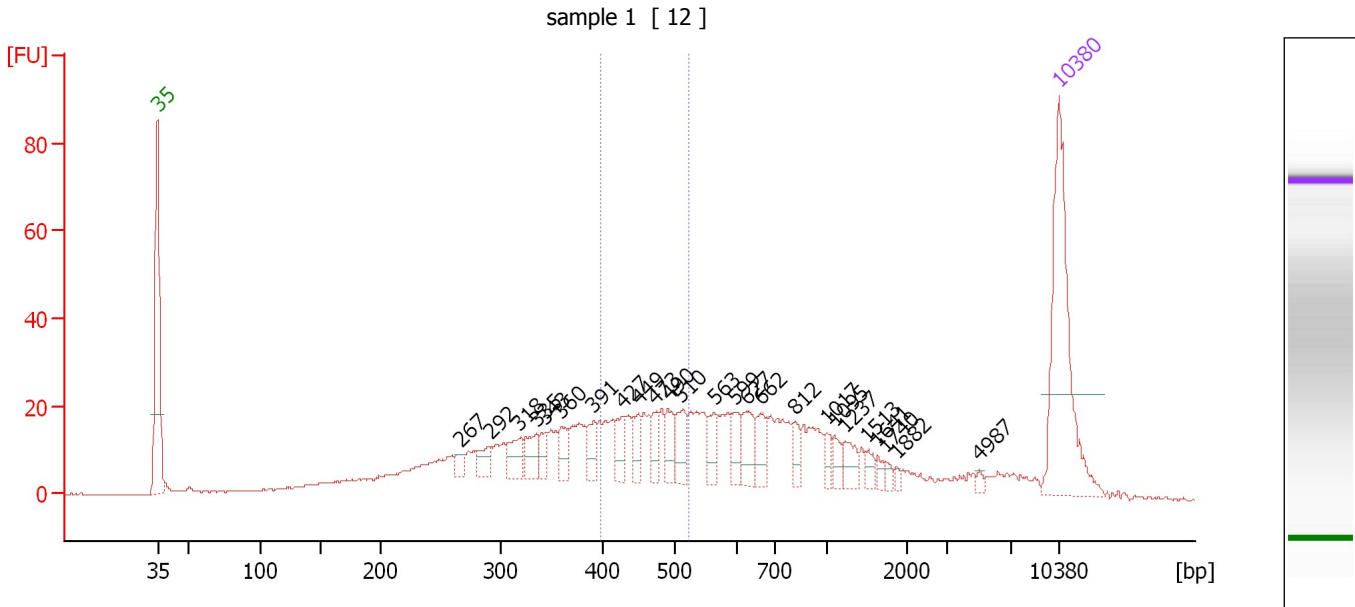
**Peak table for Ladder**

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:\... bioanalyzer\2100 expert\data\2014-08-04\2014-08-04\_007.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : sample 1**

Number of peaks found: 25                      Corr. Area 1: 165.4  
 Noise: 0.2

**Peak table for sample 1 : sample 1**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	267	5.93	33.7	
3	292	11.93	61.8	
4	318	15.45	73.6	
5	335	15.02	68.0	
6	343	8.94	39.5	
7	360	12.19	51.4	
8	391	12.05	46.8	
9	427	12.08	42.9	
10	449	11.63	39.2	
11	473	10.40	33.3	
12	490	12.82	39.6	
13	510	18.12	53.8	
14	563	12.83	34.5	
15	599	11.83	29.9	
16	627	17.35	41.9	
17	662	13.03	29.8	
18	812	8.60	16.0	
19	1,017	5.69	8.5	
20	1,095	6.70	9.3	
21	1,237	9.96	12.2	
22	1,513	4.47	4.5	
23	1,641	3.23	3.0	
24	1,740	2.73	2.4	
25	1,882	1.96	1.6	
26	4,987	1.86	0.6	

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2014-08-04\2014-08-04\_007.xad

Created: 8/4/2014 4:35:08 PM  
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**Electropherogram Summary Continued ...****... Peak table for sample 1 : sample 1**

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

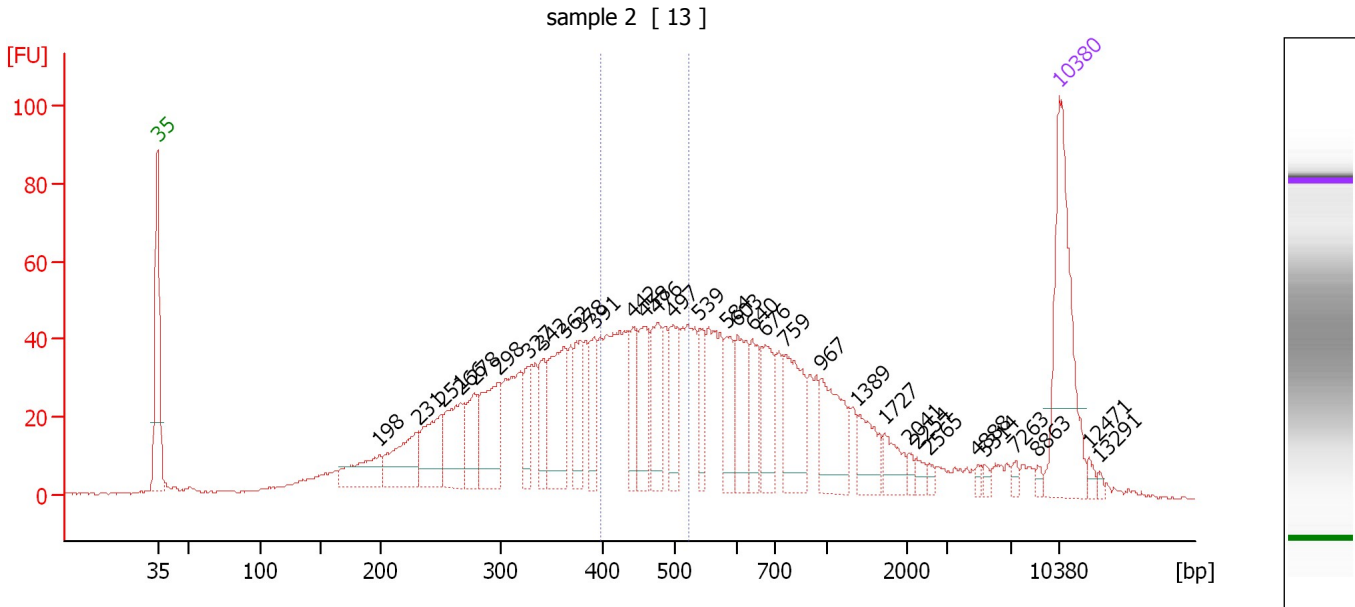
**Region table for sample 1 : sample 1**

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/ $\mu$ l]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
398	524	460	486.5	147.09	165.4	19	7.8

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2014-08-04\2014-08-04\_007.xad

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 Modified: 8/7/2014 4:05:12 PM

**Electropherogram Summary Continued ...**



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

Number of peaks found: 33                      Corr. Area 1: 376.8  
 Noise: 0.4

**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	198	34.59	264.3	
3	231	45.82	301.0	
4	251	43.75	264.2	
5	266	46.64	265.3	
6	278	34.01	185.4	
7	298	58.36	296.5	
8	327	23.73	109.9	
9	342	24.29	107.7	
10	362	64.86	271.2	
11	378	29.36	117.7	
12	391	27.28	105.6	
13	442	24.10	82.6	
14	458	38.71	128.1	
15	476	38.72	123.2	
16	497	32.54	99.2	
17	539	21.74	61.1	
18	584	26.73	69.3	
19	603	37.37	93.8	
20	640	25.36	60.0	
21	676	32.92	73.8	
22	759	48.71	97.2	
23	967	41.79	65.5	
24	1,389	22.28	24.3	
25	1,727	14.59	12.8	
26	2,041	3.72	2.8	

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2014-08-04\2014-08-04\_007.xad

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 Modified: 8/7/2014 4:05:12 PM

### Electropherogram Summary Continued ...

#### ... Peak table for sample 2 : sample 2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	2,254	4.50	3.0	
28	2,565	3.14	1.9	
29	4,888	2.49	0.8	
30	5,314	2.40	0.7	
31	7,263	3.22	0.7	
32	8,863	2.51	0.4	
33	10,380	75.00	10.9	Upper Marker
34	12,471	0.00	0.0	
35	13,291	0.00	0.0	

#### Region table for sample 2 : sample 2

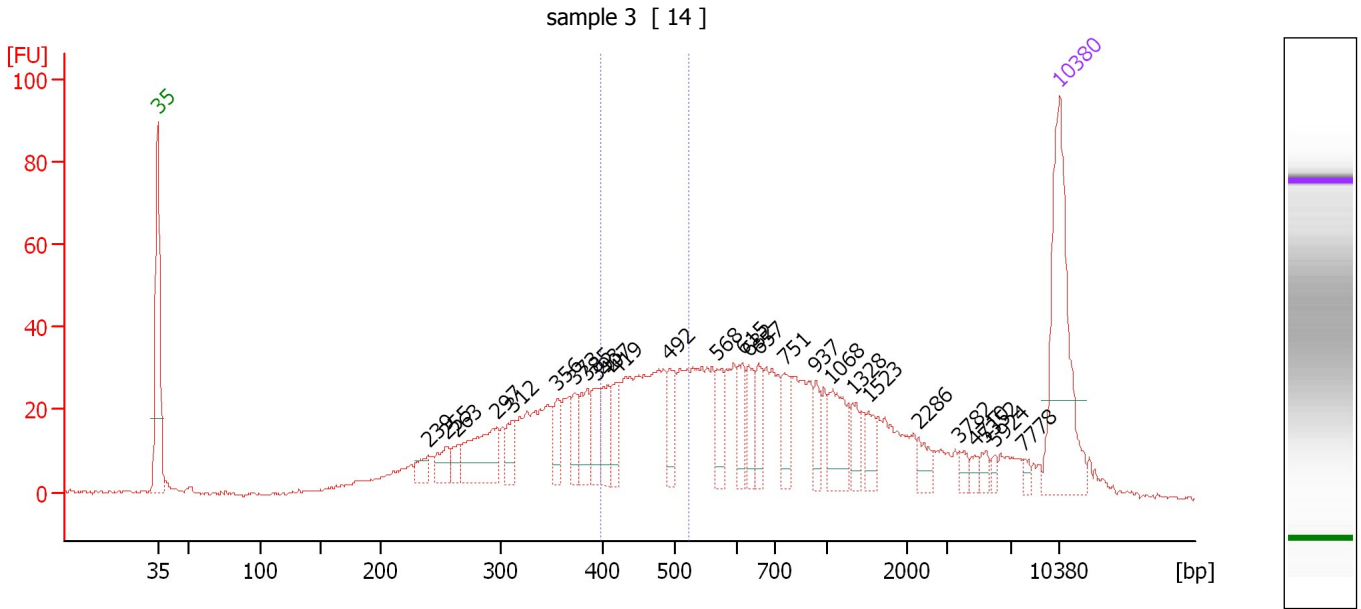
From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
399	523	459	955.1	288.31	376.8	20	7.7



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2014-08-04\2014-08-04\_007.xad

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**Electropherogram Summary Continued ...**



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

Number of peaks found: 27                      Corr. Area 1: 250.9  
 Noise: 0.4

**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	239	10.38	65.8	
3	255	14.60	86.7	
4	263	9.03	52.0	
5	297	47.44	241.7	
6	312	15.95	77.4	
7	356	15.32	65.3	
8	373	14.84	60.3	
9	385	21.57	84.9	
10	393	20.98	80.8	
11	407	19.79	73.7	
12	419	16.70	60.3	
13	492	16.74	51.5	
14	568	17.53	46.7	
15	615	17.26	42.5	
16	632	17.07	41.0	
17	657	14.99	34.6	
18	751	16.89	34.1	
19	937	11.13	18.0	
20	1,068	27.41	38.9	
21	1,328	10.84	12.4	
22	1,523	10.48	10.4	
23	2,286	8.61	5.7	
24	3,782	4.27	1.7	
25	4,710	3.73	1.2	
26	5,352	4.61	1.3	

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2014-08-04\2014-08-04\_007.xad

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### Electropherogram Summary Continued ...

#### ... Peak table for sample 3 : sample 3

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	5,924	3.00	0.8	
28	7,778	3.23	0.6	
29	10,380	75.00	10.9	Upper Marker

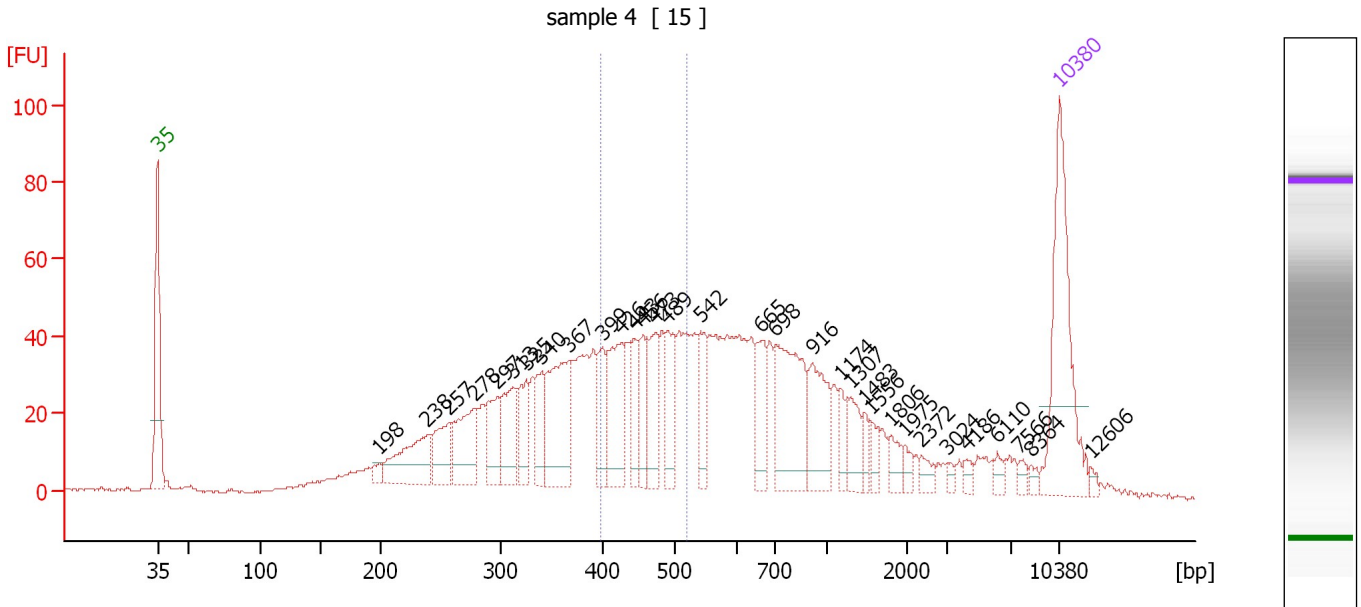
#### Region table for sample 3 : sample 3

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
398	522	459	671.5	202.76	250.9	20	7.7

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2014-08-04\2014-08-04\_007.xad

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**Electropherogram Summary Continued ...**



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

Number of peaks found: 32                      Corr. Area 1: 346.8  
 Noise: 0.3

**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	198	6.20	47.5	
3	238	53.57	340.5	
4	257	32.46	191.6	
5	278	50.23	273.8	
6	297	33.66	171.5	
7	313	40.09	194.1	
8	325	28.44	132.4	
9	340	27.18	121.0	
10	367	72.50	299.0	
11	399	25.52	96.8	
12	426	51.38	182.7	
13	443	24.94	85.3	
14	456	26.91	89.5	
15	473	32.28	103.3	
16	489	32.45	100.6	
17	542	26.83	75.1	
18	665	28.13	64.1	
19	698	76.88	166.8	
20	916	41.13	68.0	
21	1,174	10.40	13.4	
22	1,307	17.27	20.0	
23	1,483	7.56	7.7	
24	1,556	8.13	7.9	
25	1,806	8.56	7.2	
26	1,975	5.40	4.1	

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2014-08-04\2014-08-04\_007.xad

Created: 8/4/2014 4:35:08 PM  
 Modified: 8/7/2014 4:05:12 PM

### Electropherogram Summary Continued ...

#### ... Peak table for sample 4 : sample 4

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	2,372	6.28	4.0	
28	3,024	3.00	1.5	
29	4,186	4.38	1.6	
30	6,110	4.61	1.1	
31	7,566	3.64	0.7	
32	8,364	3.11	0.6	
33	10,380	75.00	10.9	Upper Marker
34	12,606	0.00	0.0	

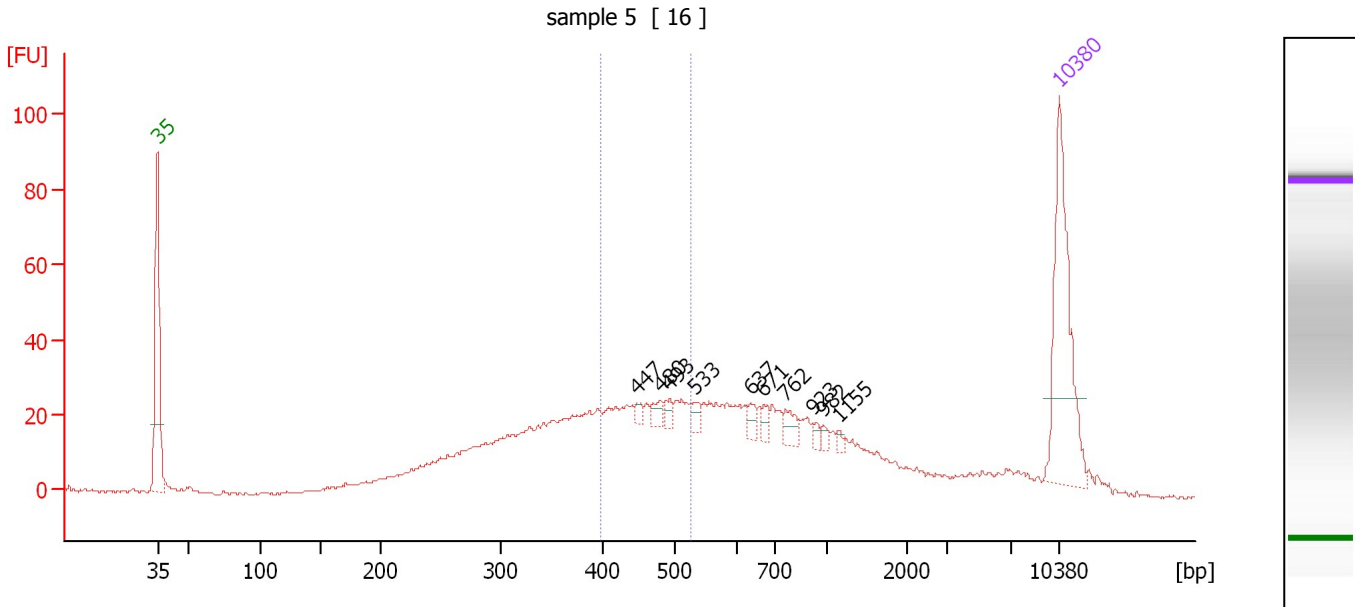
#### Region table for sample 4 : sample 4

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
398	521	458	901.1	271.70	■ 346.8	20	7.6

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2014-08-04\2014-08-04\_007.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : sample 5**

Number of peaks found: 10                      Corr. Area 1: 216.2  
 Noise: 0.4

**Peak table for sample 5 : sample 5**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	447	4.29	14.5	
3	480	6.58	20.8	
4	493	5.09	15.7	
5	533	5.81	16.5	
6	637	6.36	15.1	
7	671	6.03	13.6	
8	762	9.78	19.4	
9	923	3.21	5.3	
10	982	3.32	5.1	
11	1,155	2.27	3.0	
12	10,380	75.00	10.9	Upper Marker

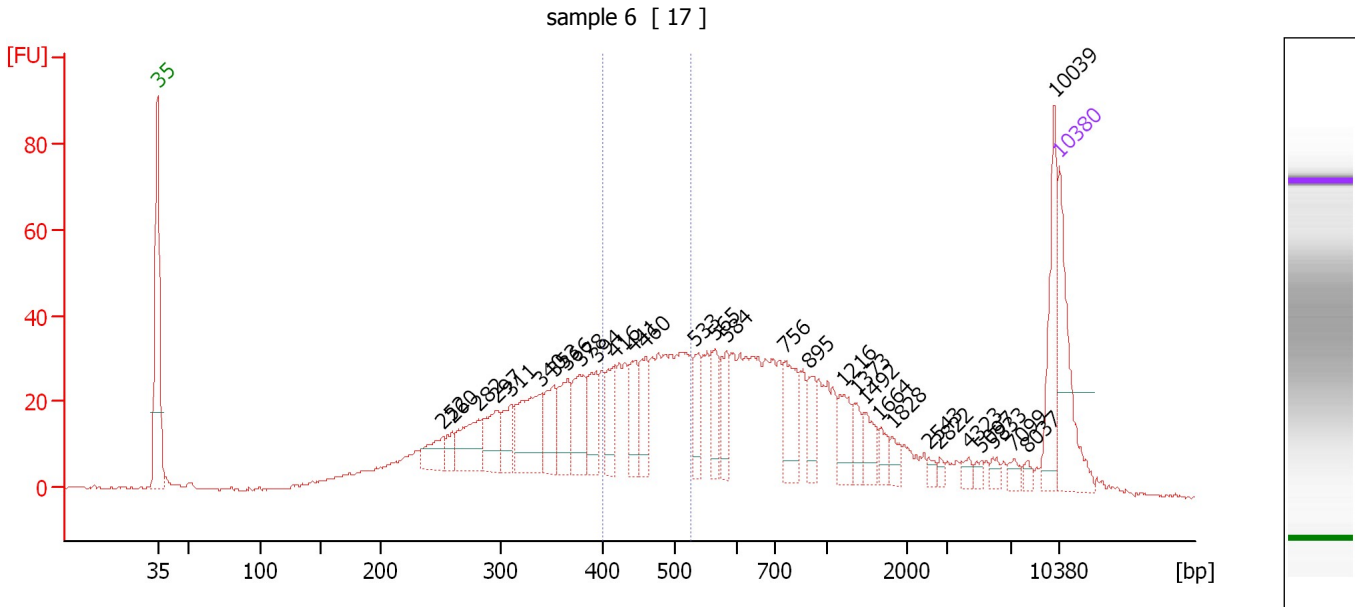
**Region table for sample 5 : sample 5**

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
399	527	462	616.4	186.97	216.2	21	8.0

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2014-08-04\2014-08-04\_007.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : sample 6**

Number of peaks found: 31                      Corr. Area 1: 269.5  
 Noise: 0.3

**Peak table for sample 6 : sample 6**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	252	35.65	214.1	
3	260	19.81	115.6	
4	282	63.25	340.0	
5	297	48.64	247.8	
6	311	38.20	186.1	
7	340	92.68	413.0	
8	353	50.31	216.0	
9	366	52.66	218.2	
10	378	64.33	258.0	
11	394	45.83	176.4	
12	416	41.95	152.9	
13	441	41.36	142.0	
14	460	44.60	147.1	
15	533	35.69	101.4	
16	565	39.76	106.6	
17	584	38.05	98.8	
18	756	56.80	113.9	
19	895	26.54	44.9	
20	1,216	32.60	40.6	
21	1,373	18.28	20.2	
22	1,492	22.46	22.8	
23	1,664	12.48	11.4	
24	1,828	11.60	9.6	
25	2,543	4.92	2.9	
26	2,822	4.57	2.5	

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2014-08-04\2014-08-04\_007.xad

Created: 8/4/2014 4:35:08 PM  
 Modified: 8/7/2014 4:05:12 PM

### Electropherogram Summary Continued ...

#### ... Peak table for sample 6 : sample 6

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	4,323	6.88	2.4	
28	5,097	5.60	1.7	
29	5,833	6.88	1.8	
30	7,099	7.89	1.7	
31	8,037	5.68	1.1	
32	10,039	68.31	10.3	
33	10,380	75.00	10.9	Upper Marker

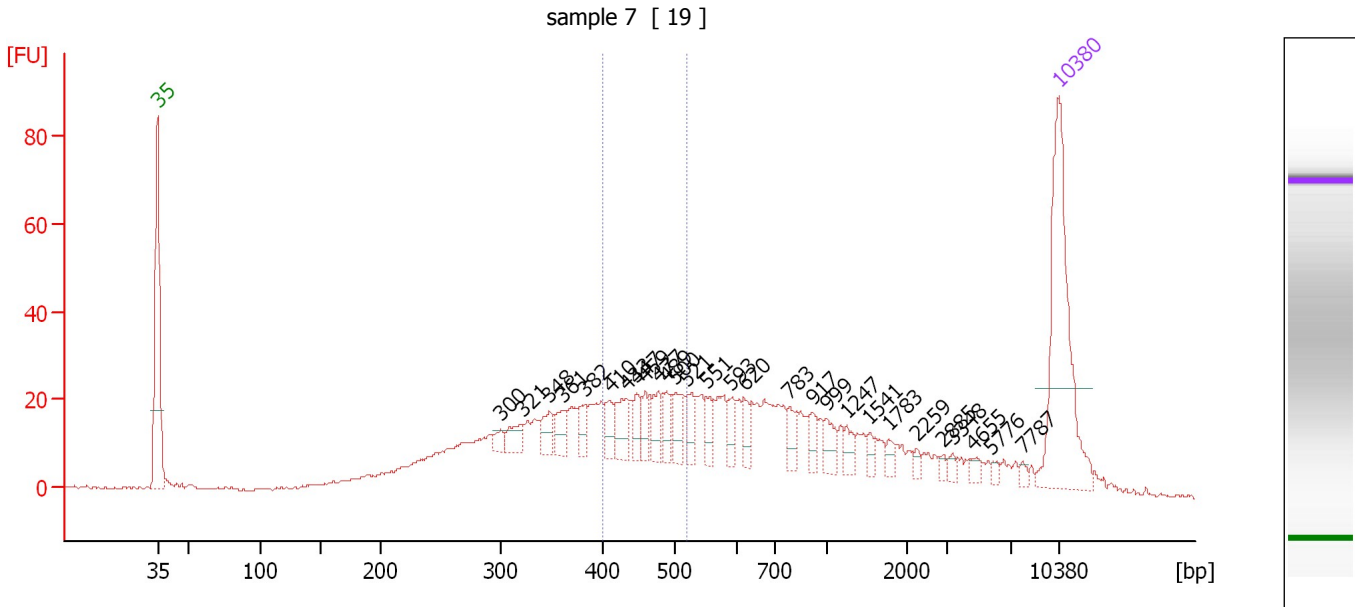
#### Region table for sample 6 : sample 6

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
400	524	461	1,442.3	437.24	269.5	19	7.7

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2014-08-04\2014-08-04\_007.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : sample 7**

Number of peaks found: 28                      Corr. Area 1: 185.6  
 Noise: 0.4

**Peak table for sample 7 : sample 7**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	300	5.48	27.6	
3	321	10.88	51.3	
4	348	11.63	50.6	
5	361	11.48	48.2	
6	382	8.32	32.9	
7	410	10.14	37.4	
8	433	17.21	60.2	
9	447	11.03	37.4	
10	459	9.77	32.2	
11	477	14.35	45.6	
12	489	10.09	31.2	
13	500	14.58	44.2	
14	521	11.96	34.8	
15	551	8.95	24.6	
16	593	8.51	21.7	
17	620	8.32	20.3	
18	783	8.98	17.4	
19	917	7.70	12.7	
20	999	8.88	13.5	
21	1,247	6.38	7.8	
22	1,541	3.82	3.8	
23	1,783	3.69	3.1	
24	2,259	2.34	1.6	
25	2,885	2.03	1.1	
26	3,348	2.73	1.2	



Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2014-08-04\2014-08-04\_007.xad

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**Electropherogram Summary Continued ...****... Peak table for sample 7 : sample 7**

Peak	Size [bp]	Conc. [pg/ $\mu$ l]	Molarity [pmol/l]	Observations
27	4,655	3.23	1.1	
28	5,776	1.97	0.5	
29	7,787	1.95	0.4	
30	10,380	75.00	10.9	Upper Marker

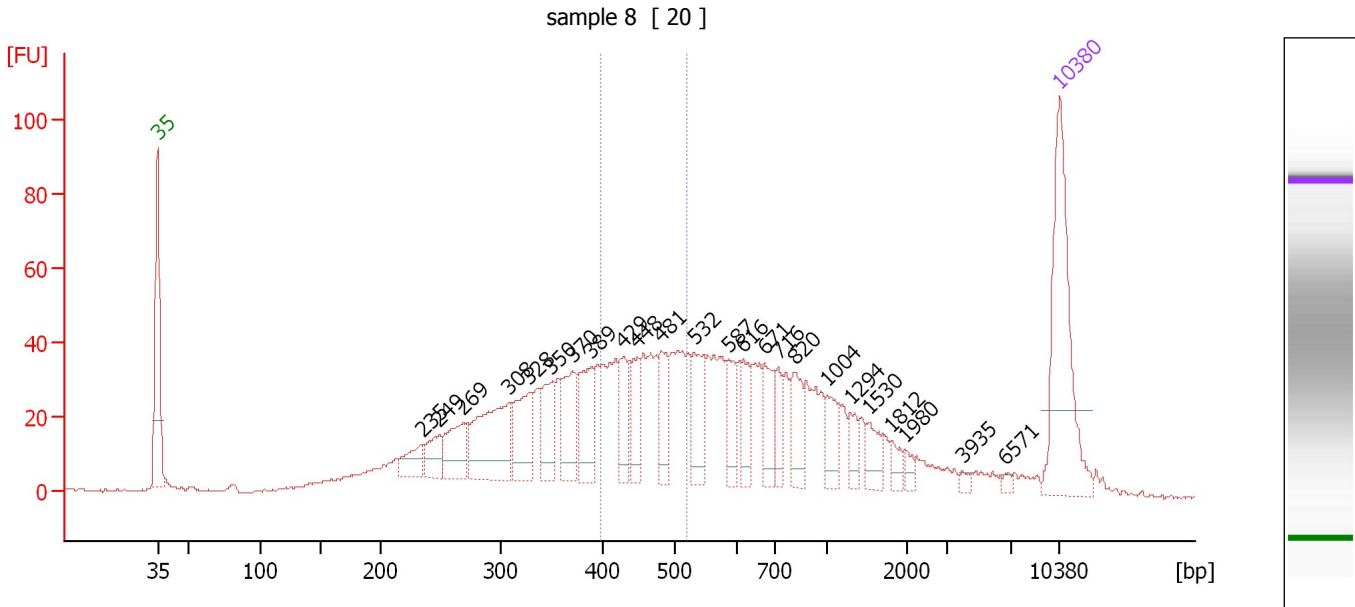
**Region table for sample 7 : sample 7**

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/ $\mu$ l]	Co Corr. for Area	% of Total	Size distribution in CV [%]
399	521	459	513.9	155.12	185.6	19	7.6

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2014-08-04\2014-08-04\_007.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : sample 8**

Number of peaks found: 24                      Corr. Area 1: 316.2  
 Noise: 0.4

**Peak table for sample 8 : sample 8**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	235	19.92	128.7	
3	249	18.71	113.9	
4	269	33.37	188.0	
5	308	71.74	353.0	
6	328	40.33	186.2	
7	350	29.88	129.5	
8	370	35.71	146.3	
9	389	38.77	151.1	
10	429	24.36	86.0	
11	448	21.01	71.0	
12	481	29.20	92.1	
13	532	33.09	94.3	
14	587	20.36	52.5	
15	616	18.59	45.7	
16	671	22.81	51.5	
17	716	15.11	32.0	
18	820	23.74	43.9	
19	1,004	18.19	27.5	
20	1,294	10.06	11.8	
21	1,530	12.62	12.5	
22	1,812	7.06	5.9	
23	1,980	4.66	3.6	
24	3,935	2.72	1.0	
25	6,571	2.25	0.5	
26	10,380	75.00	10.9	Upper Marker


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2014-08-04\2014-08-04\_007.xad

Created: 8/4/2014 4:35:08 PM  
Modified: 8/7/2014 4:05:12 PM

**Electropherogram Summary Continued ...**

... Region table for sample 8 :

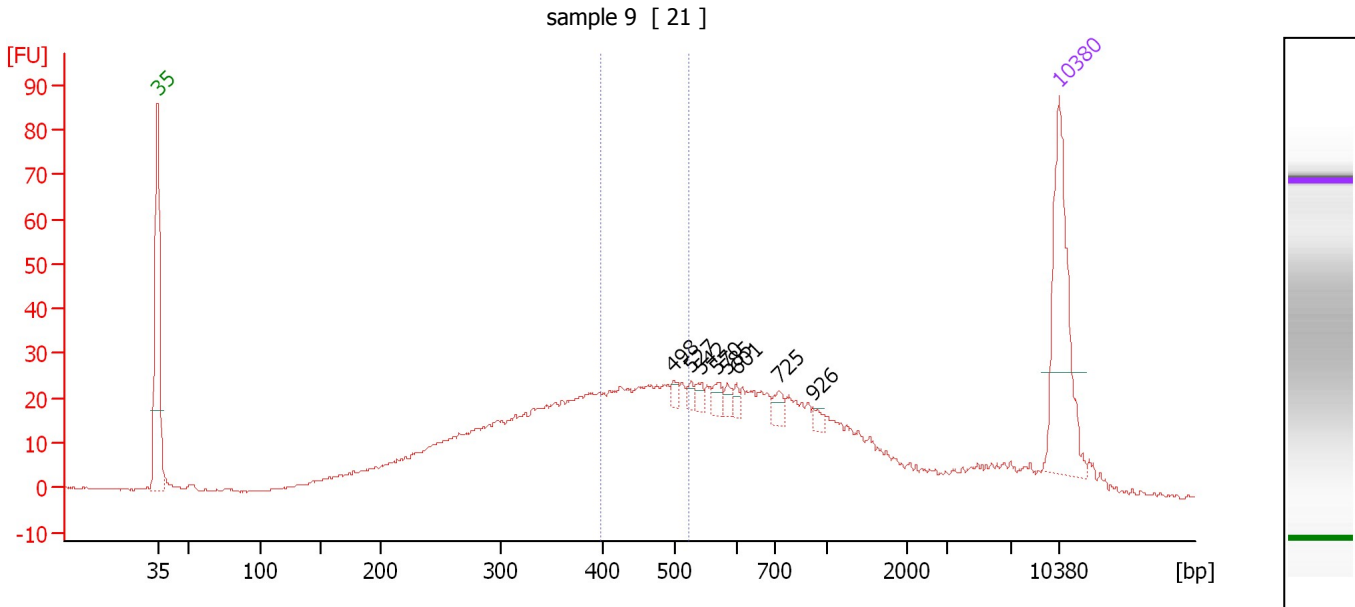
sample 8

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/ $\mu$ l]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
398	520	458	777.2	234.21	 316.2	20	7.7

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2014-08-04\2014-08-04\_007.xad

Created: 8/4/2014 4:35:08 PM  
 Modified: 8/7/2014 4:05:12 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 9 : sample 9**

Number of peaks found: 8                      Corr. Area 1: 202.8  
 Noise: 0.2

**Peak table for sample 9 : sample 9**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	498	4.30	13.1	
3	527	4.59	13.2	
4	542	5.42	15.2	
5	570	7.12	18.9	
6	585	4.84	12.6	
7	601	4.62	11.7	
8	725	8.07	16.9	
9	926	4.00	6.6	
10	10,380	75.00	10.9	Upper Marker

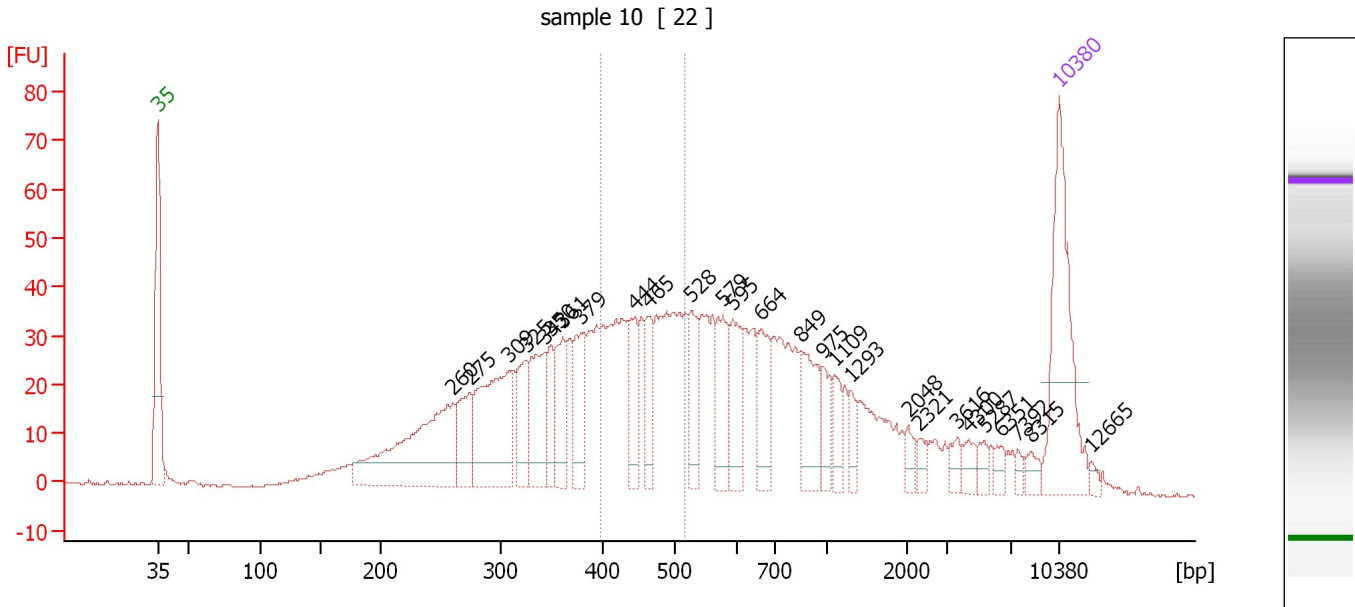
**Region table for sample 9 : sample 9**

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
399	522	460	689.4	208.40	202.8	19	7.7

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2014-08-04\2014-08-04\_007.xad

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 Modified: 8/7/2014 4:05:12 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 10 : sample 10**

Number of peaks found: 27                      Corr. Area 1: 291.5  
 Noise: 0.2

**Peak table for sample 10 : sample 10**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	260	137.96	803.0	
3	275	39.31	216.7	
4	309	103.36	506.5	
5	325	35.61	165.8	
6	343	52.98	233.8	
7	350	24.67	106.8	
8	361	34.77	146.0	
9	379	39.19	156.8	
10	444	35.95	122.6	
11	465	25.90	84.5	
12	528	28.57	82.1	
13	579	37.54	98.3	
14	595	34.23	87.2	
15	664	33.85	77.2	
16	849	40.43	72.1	
17	975	17.08	26.5	
18	1,109	13.65	18.7	
19	1,293	10.64	12.5	
20	2,048	7.39	5.5	
21	2,321	5.46	3.6	
22	3,616	7.14	3.0	
23	4,300	8.07	2.8	
24	5,287	5.98	1.7	
25	6,351	5.83	1.4	
26	7,392	3.72	0.8	

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2014-08-04\2014-08-04\_007.xad

Created: 8/4/2014 4:35:08 PM  
 Modified: 8/7/2014 4:05:12 PM

### Electropherogram Summary Continued ...

#### ... Peak table for sample 10 : sample 10

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	8,315	6.21	1.1	
28	10,380	75.00	10.9	Upper Marker
29	12,665	0.00	0.0	

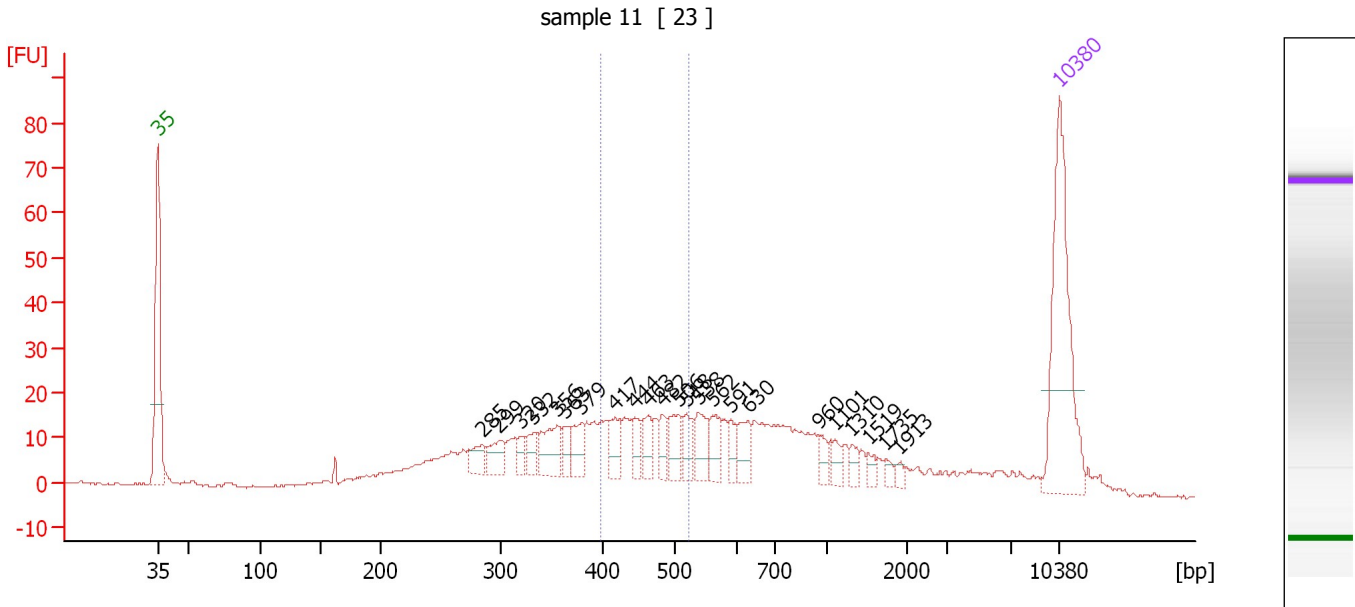
#### Region table for sample 10 : sample 10

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
399	518	457	916.4	275.41	291.5	19	7.5

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2014-08-04\2014-08-04\_007.xad

Created: 8/4/2014 4:35:08 PM  
 Modified: 8/7/2014 4:05:12 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 11 : sample 11**

Number of peaks found: 23                      Corr. Area 1: 138.1  
 Noise: 0.2

**Peak table for sample 11 : sample 11**


Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	285	12.12	64.5	
3	299	15.46	78.4	
4	320	9.01	42.7	
5	332	11.33	51.7	
6	356	24.06	102.5	
7	363	9.17	38.3	
8	379	14.96	59.8	
9	417	13.73	49.9	
10	444	11.38	38.8	
11	463	13.05	42.7	
12	482	11.58	36.4	
13	506	17.02	51.0	
14	518	12.08	35.3	
15	538	16.38	46.1	
16	562	13.45	36.3	
17	591	8.29	21.3	
18	630	13.78	33.1	
19	960	6.86	10.8	
20	1,101	6.75	9.3	
21	1,310	5.56	6.4	
22	1,519	3.95	3.9	
23	1,735	3.37	2.9	
24	1,913	2.44	1.9	
25	10,380	75.00	10.9	Upper Marker

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2014-08-04\2014-08-04\_007.xad

Created: 8/4/2014 4:35:08 PM  
Modified: 8/7/2014 4:05:12 PM

**Electropherogram Summary Continued ...**

... Region table for sample 11 : sample 11

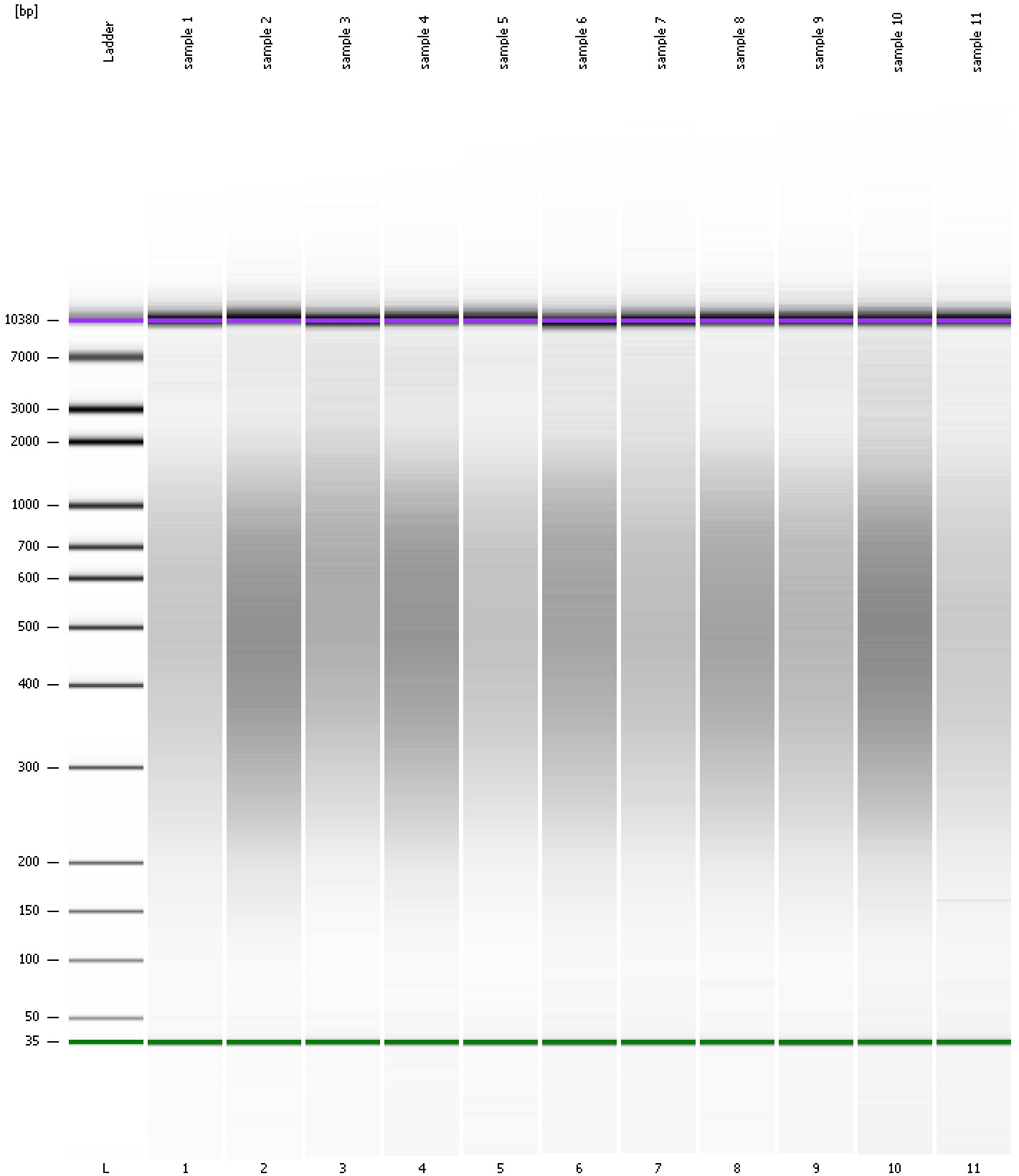
From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/ $\mu$ l]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
397	521	458	425.8	128.12	 138.1	20	7.8



Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2014-08-04\2014-08-04\_007.xad

Created: 8/4/2014 4:35:08 PM  
Modified: 8/7/2014 4:05:12 PM

**Gel Image**



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2014-08-04\2014-08-04\_007.xad

Created: 8/4/2014 4:35:08 PM  
 Modified: 8/7/2014 4:05:12 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		8/4/2014 5:15:35 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\Data\2014-08-04\2014-08-04_007.xad)		Instrument	Run		8/4/2014 4:35:14 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		8/4/2014 4:35:14 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		8/4/2014 4:35:14 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		8/4/2014 4:35:14 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		8/4/2014 4:35:14 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		8/4/2014 4:35:14 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		8/4/2014 4:35:14 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1