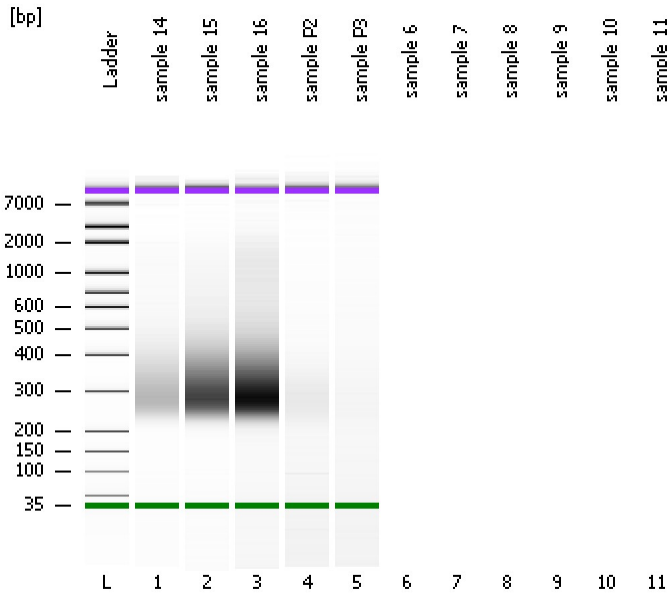


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-30\2013-10-30\_008.xad

Created: 10/30/2013 2:51:26 PM  
Modified: 10/30/2013 3:21:42 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

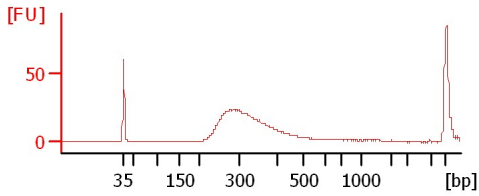
Chip Information:

Chip Lot #:

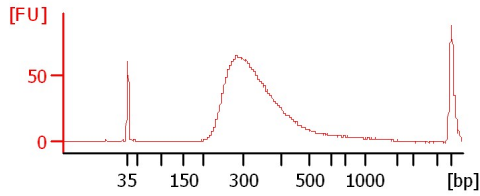
Reagent Kit Lot #:

Chip Comments:

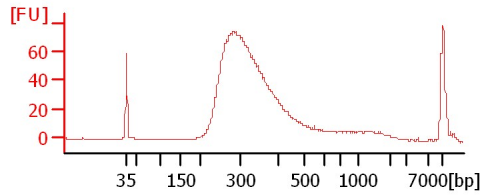
**sample 14**



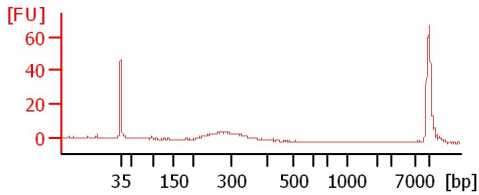
**sample 15**



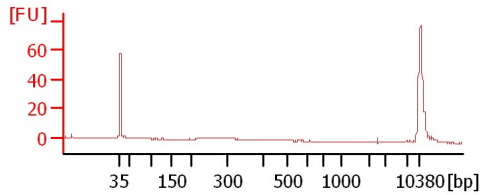
**sample 16**



**sample P2**



**sample P3**



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-30\2013-10-30\_008.xad

Created: 10/30/2013 2:51:26 PM  
 Modified: 10/30/2013 3:21:42 PM

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

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
sample 14		<input type="checkbox"/>	✓			
sample 15		<input type="checkbox"/>	✓			
sample 16		<input type="checkbox"/>	✓			
sample P2		<input type="checkbox"/>	✓			
sample P3		<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\2013-10-30\2013-10-30\_008.xad

Created: 10/30/2013 2:51:26 PM  
Modified: 10/30/2013 3:21:42 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

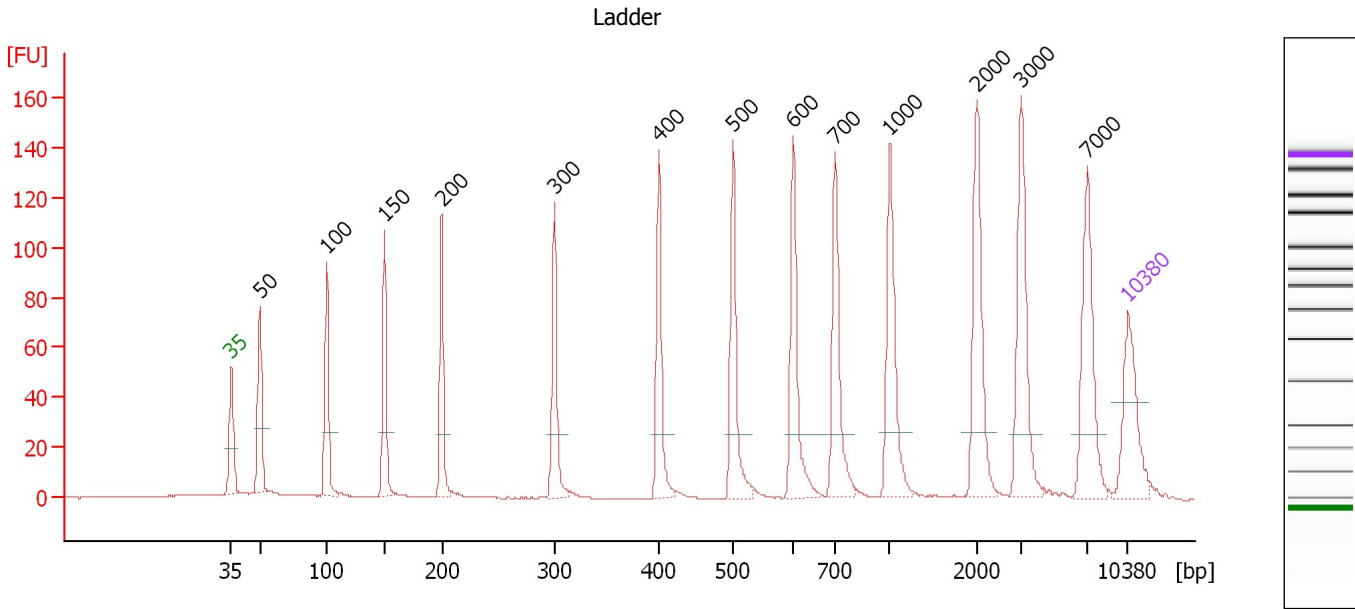
**Ladder**

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\2013-10-30\2013-10-30\_008.xad

Created: 10/30/2013 2:51:26 PM  
 Modified: 10/30/2013 3:21:42 PM

**Electropherogram Summary**



**Overall Results for Ladder**

Noise: 0.2

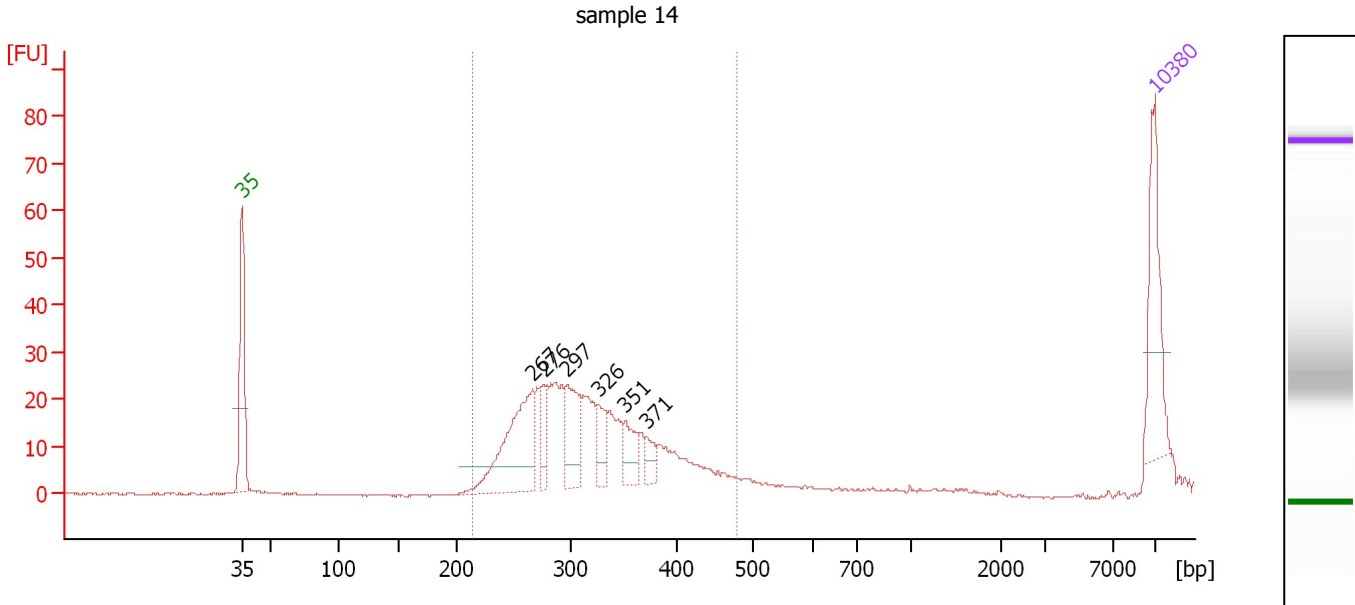
**Peak table for Ladder**

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:\...ents and Settings\Bioanalyzer\2013-10-30\2013-10-30\_008.xad

Created: 10/30/2013 2:51:26 PM  
 Modified: 10/30/2013 3:21:42 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : sample 14**

Number of peaks found: 6                      Corr. Area 1: 380.0  
 Noise: 0.1

**Peak table for sample 1 : sample 14**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	267	157.95	897.3	
3	276	37.61	206.1	
4	297	74.15	377.7	
5	326	35.96	167.0	
6	351	34.06	146.8	
7	371	19.41	79.2	
8	10,380	75.00	10.9	Upper Marker

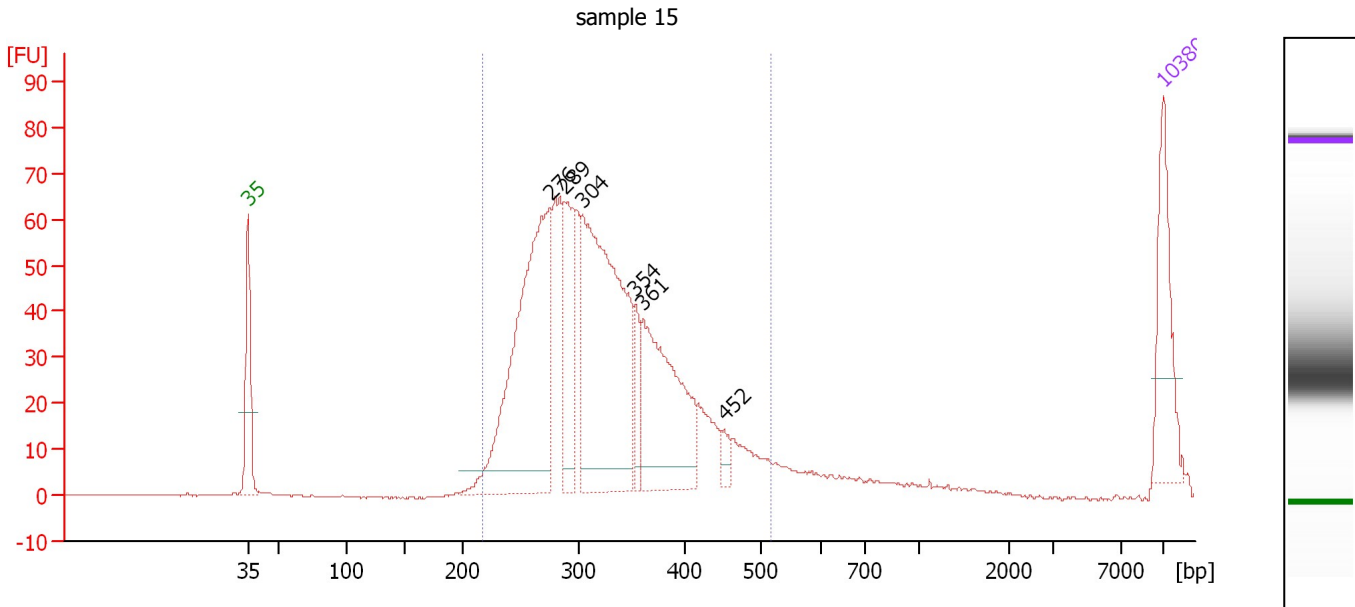
**Region table for sample 1 : sample 14**

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
215	479	317	3,391.6	683.18	380.0	96	17.3	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-30\2013-10-30\_008.xad

Created: 10/30/2013 2:51:26 PM  
 Modified: 10/30/2013 3:21:42 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : sample 15**

Number of peaks found: 6                      Corr. Area 1: 1,049.1  
 Noise: 0.2

**Peak table for sample 2 : sample 15**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	276	438.82	2,410.0	
3	289	125.42	656.7	
4	304	440.92	2,197.2	
5	354	39.41	168.6	
6	361	222.65	934.2	
7	452	13.25	44.4	
8	10,380	75.00	10.9	Upper Marker

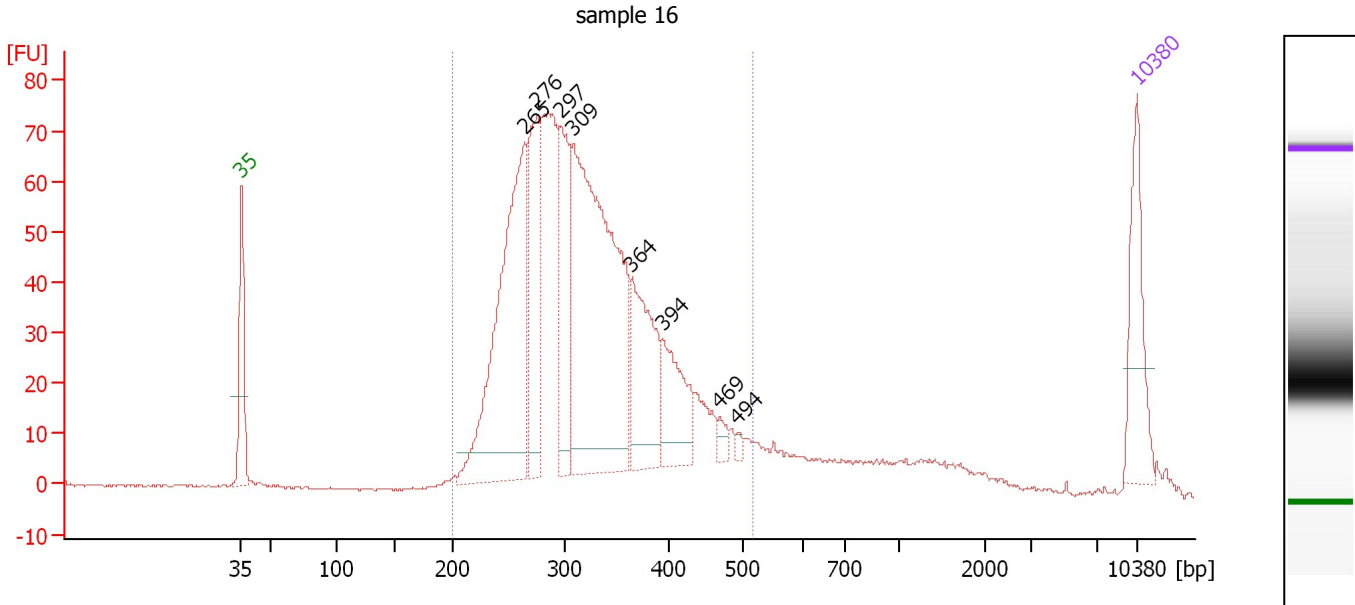
**Region table for sample 2 : sample 15**

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
217	519	321	7,221.6	1,466.95	1,049.1	99	18.4	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-30\2013-10-30\_008.xad

Created: 10/30/2013 2:51:26 PM  
 Modified: 10/30/2013 3:21:42 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : sample 16**

Number of peaks found: 8                      Corr. Area 1: 1,328.1  
 Noise: 0.2

**Peak table for sample 3 : sample 16**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	265	424.82	2,426.8	
3	276	166.30	914.1	
4	297	159.49	812.3	
5	309	541.62	2,655.3	
6	364	153.57	639.7	
7	394	92.92	357.5	
8	469	12.30	39.7	
9	494	5.40	16.6	
10	10,380	75.00	10.9	Upper Marker

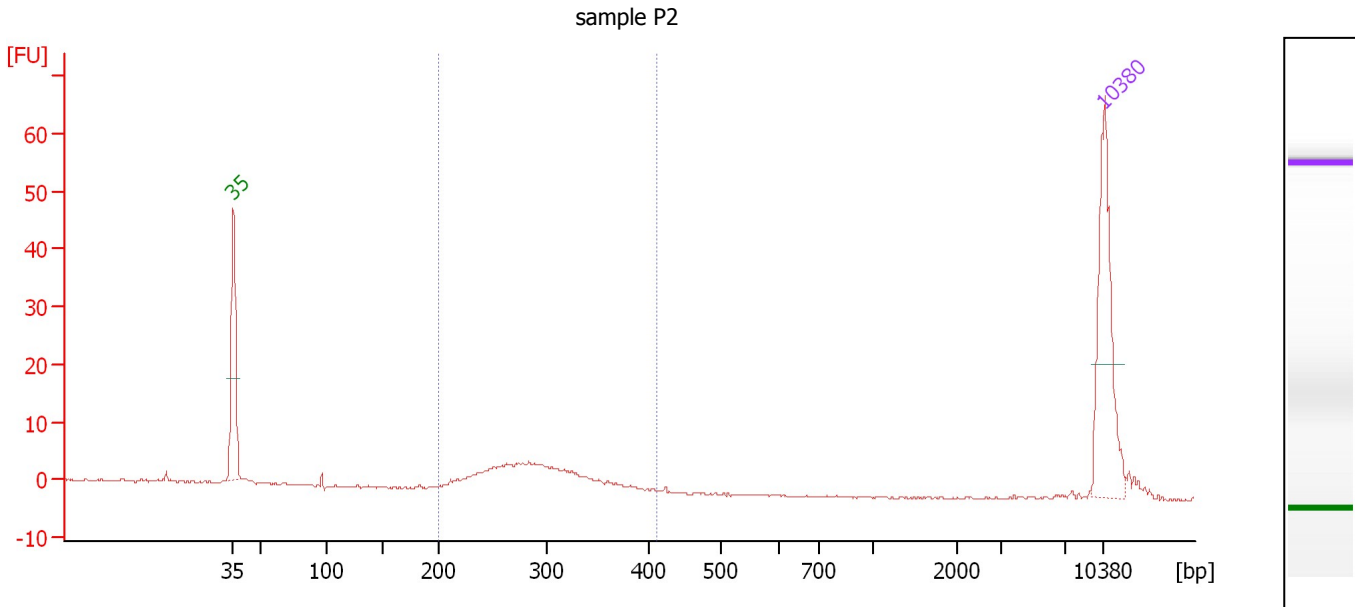
**Region table for sample 3 : sample 16**

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
200	517	323	9,901.5	2,009.15	1,328.1	90	19.7	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-30\2013-10-30\_008.xad

Created: 10/30/2013 2:51:26 PM  
 Modified: 10/30/2013 3:21:42 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : sample P2**

Number of peaks found: 0                      Corr. Area 1: 61.7  
 Noise: 0.1

**Peak table for sample 4 : sample P2**

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

**Region table for sample 4 : sample P2**

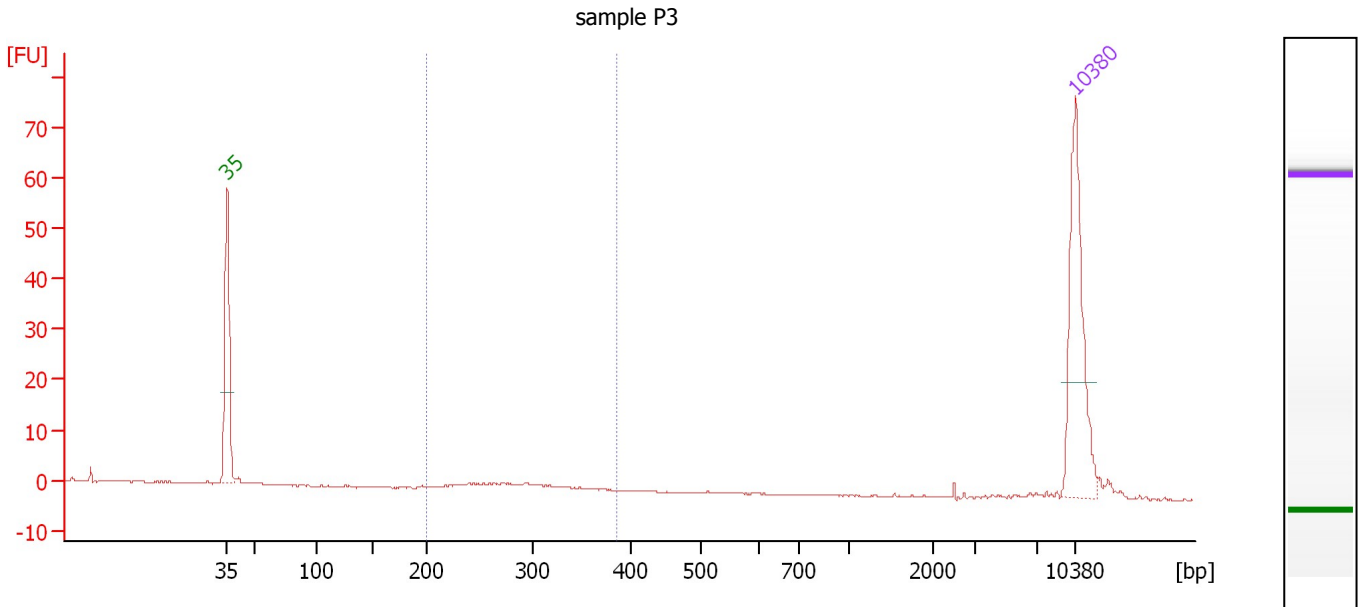
From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
200	412	289	551.4	102.91	61.7	78	14.3	Blue



Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-30\2013-10-30\_008.xad

Created: 10/30/2013 2:51:26 PM  
Modified: 10/30/2013 3:21:42 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : sample P3**

Number of peaks found: 0      Corr. Area 1: 14.1  
Noise: 0.1

**Peak table for sample 5 : sample P3**

Peak	Size [bp]	Conc. [pg/ $\mu$ l]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	10,380	75.00	10.9	Upper Marker

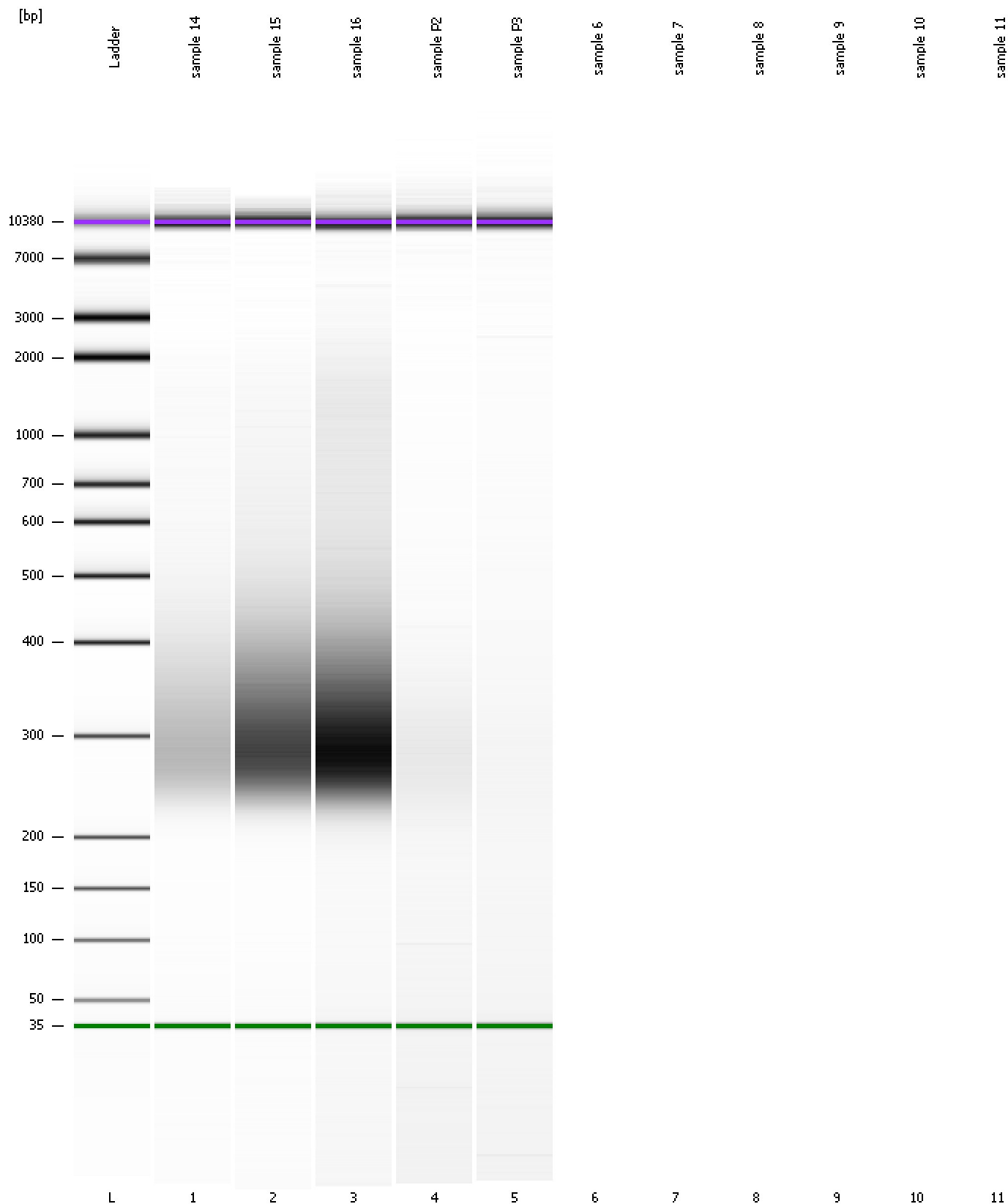
**Region table for sample 5 : sample P3**

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/ $\mu$ l]	Corr. Area	% of Total	Size distribution in CV [%]	Color
200	384	284	107.7	19.79	14.1	45	13.9	Blue

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-30\2013-10-30\_008.xad

Created: 10/30/2013 2:51:26 PM  
Modified: 10/30/2013 3:21:42 PM

**Gel Image**



Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-30\2013-10-30\_008.xad

Created: 10/30/2013 2:51:26 PM  
Modified: 10/30/2013 3:21:42 PM

**Invalid Samples**

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.