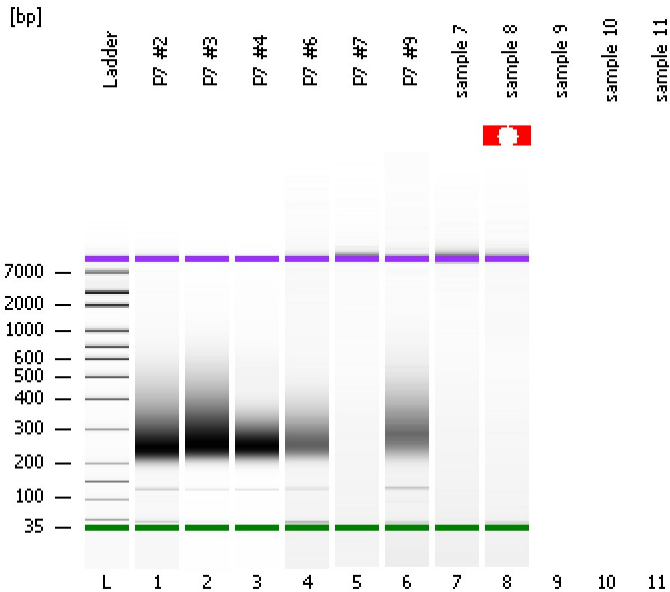


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-04\2015-05-04\_002.xad

Created: 5/4/2015 10:36:56 AM  
Modified: 5/4/2015 11:09:50 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

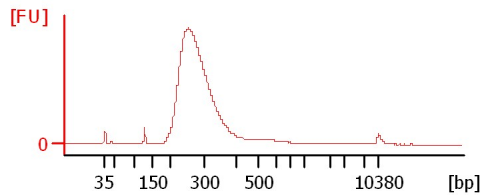
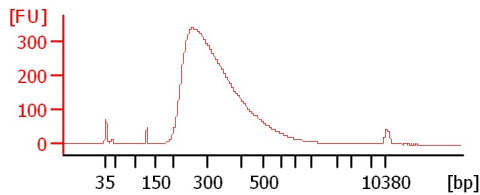
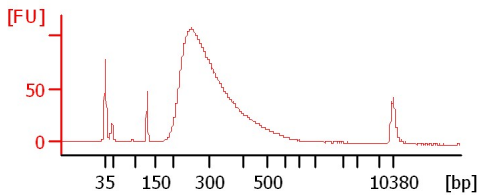
#### Chip Information:

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

P7 #2

P7 #3

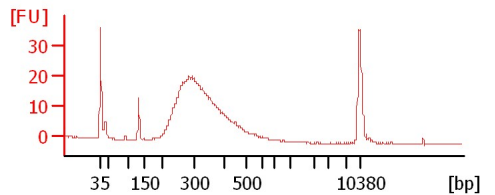
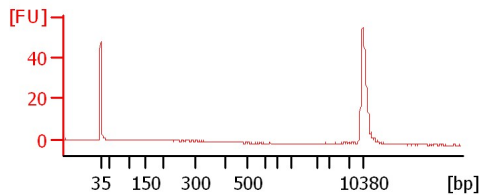
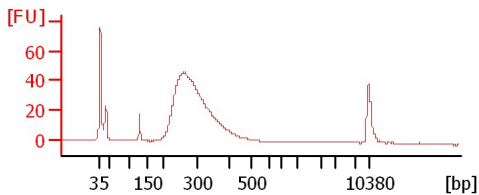
P7 #4



P7 #6

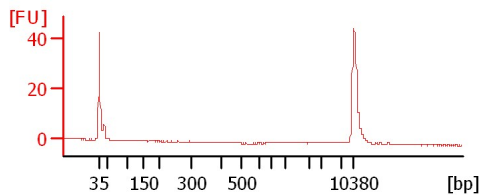
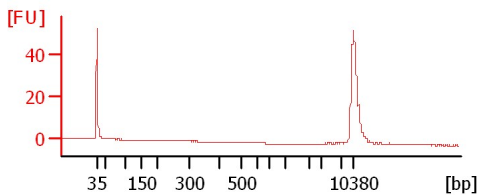
P7 #7

P7 #9



sample 7

sample 8



Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-04\2015-05-04\_002.xad

Created: 5/4/2015 10:36:56 AM  
Modified: 5/4/2015 11:09:50 AM

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

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
P7 #2		<input type="checkbox"/>	✓			
P7 #3		<input type="checkbox"/>	✓			
P7 #4		<input type="checkbox"/>	✓			
P7 #6		<input type="checkbox"/>	✓			
P7 #7		<input type="checkbox"/>	✓			
P7 #9		<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\2015-05-04\2015-05-04\_002.xad

Created: 5/4/2015 10:36:56 AM  
Modified: 5/4/2015 11:09:50 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/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

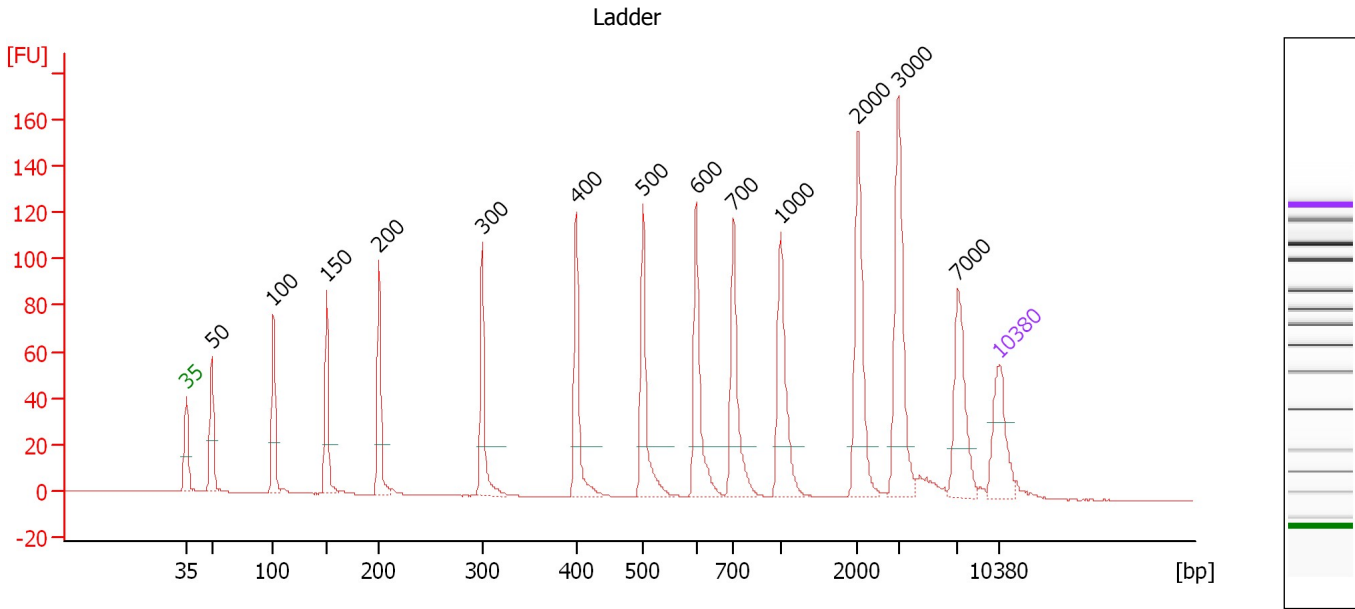
**Ladder**

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\2015-05-04\2015-05-04\_002.xad

Created: 5/4/2015 10:36:56 AM  
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**Electropherogram Summary**



**Overall Results for Ladder**

Noise: 0.1

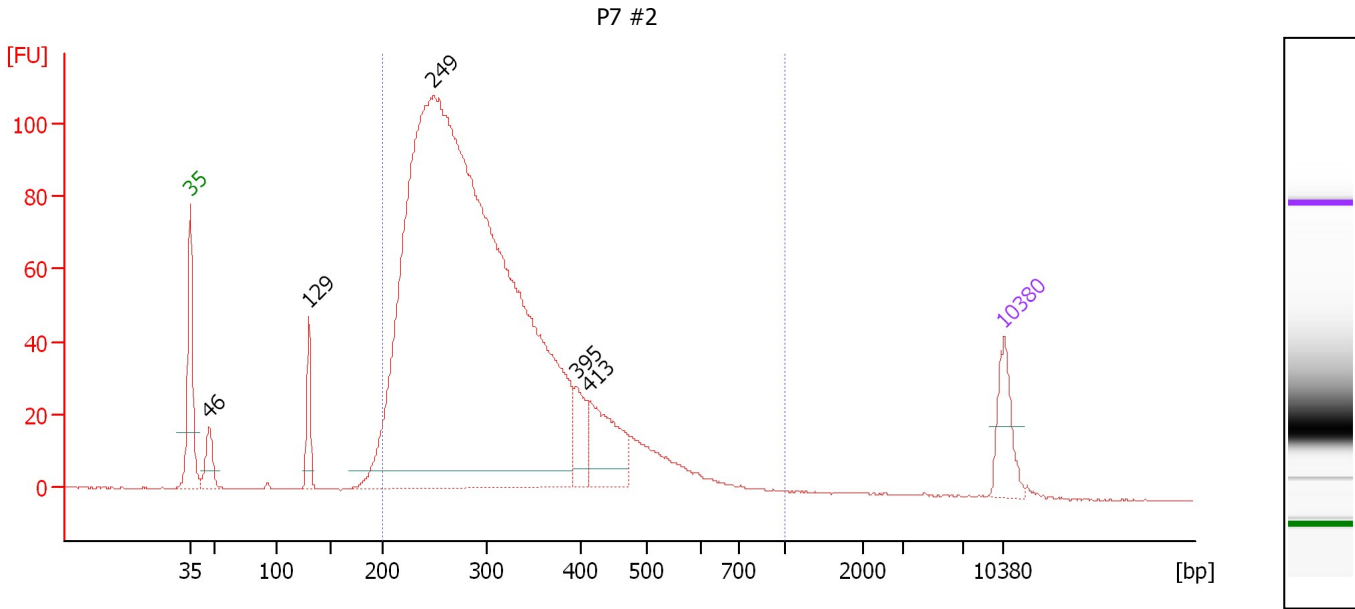
**Peak table for Ladder**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	50	150.00	4,545.5	Ladder Peak	45.16
3	100	150.00	2,272.7	Ladder Peak	50.49
4	150	150.00	1,515.2	Ladder Peak	55.08
5	200	150.00	1,136.4	Ladder Peak	59.58
6	300	150.00	757.6	Ladder Peak	68.49
7	400	150.00	568.2	Ladder Peak	76.58
8	500	150.00	454.5	Ladder Peak	82.32
9	600	150.00	378.8	Ladder Peak	86.91
10	700	150.00	324.7	Ladder Peak	90.13
11	1,000	150.00	227.3	Ladder Peak	94.17
12	2,000	150.00	113.6	Ladder Peak	100.83
13	3,000	150.00	75.8	Ladder Peak	104.32
14	7,000	150.00	32.5	Ladder Peak	109.46
15	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-04\2015-05-04\_002.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : P7 #2**

Number of peaks found: 5                      Corr. Area 1: 1,996.7  
 Noise: 0.1

**Peak table for sample 1 : P7 #2**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	46	81.17	2,664.6		44.61
3	129	97.32	1,139.9		53.18
4	249	4,193.92	25,554.5		63.92
5	395	83.94	321.6		76.21
6	413	170.90	627.2		77.31
7	10,380	75.00	10.9	Upper Marker	113.00

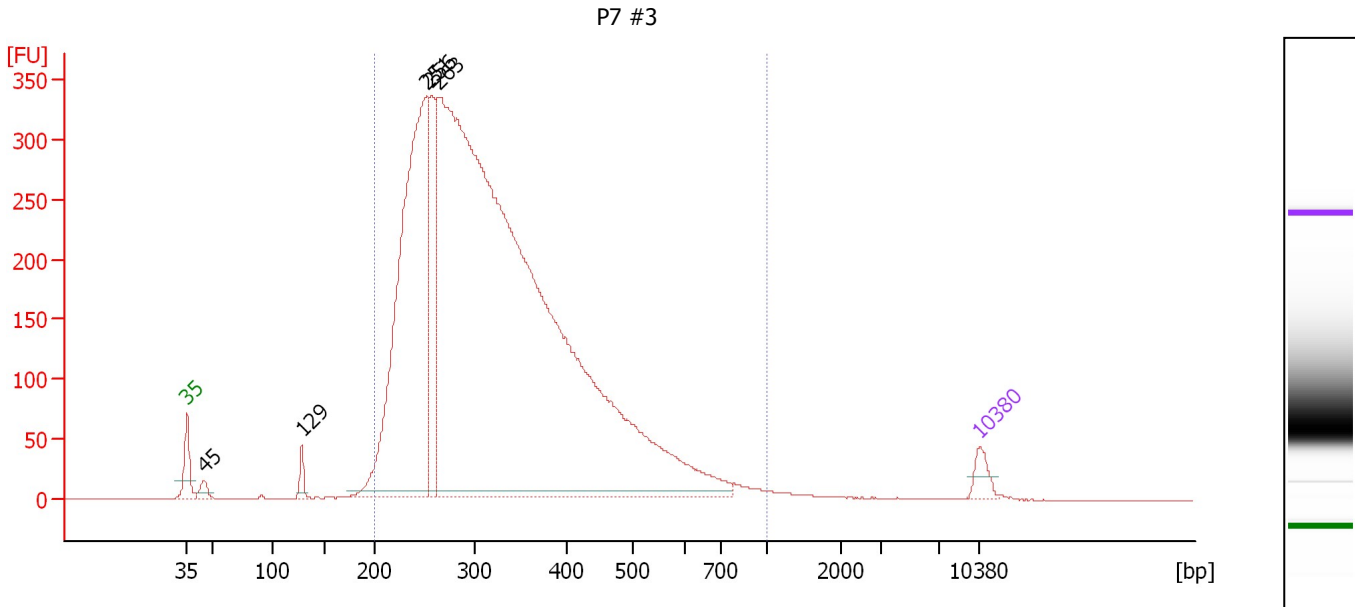
**Region table for sample 1 : P7 #2**

From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Color
200	312	1,000	1,996.7	23,041.6	94	29.6	4,356.88	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-04\2015-05-04\_002.xad

Created: 5/4/2015 10:36:56 AM  
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**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : P7 #3**

Number of peaks found: 5                      Corr. Area 1: 7,148.1  
 Noise: 0.2

**Peak table for sample 2 : P7 #3**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	45	76.89	2,561.9		44.51
3	129	93.58	1,101.3		53.13
4	251	3,494.56	21,115.7		64.10
5	256	846.52	5,009.4		64.57
6	263	12,437.90	71,535.9		65.23
7	10,380	75.00	10.9	Upper Marker	113.00

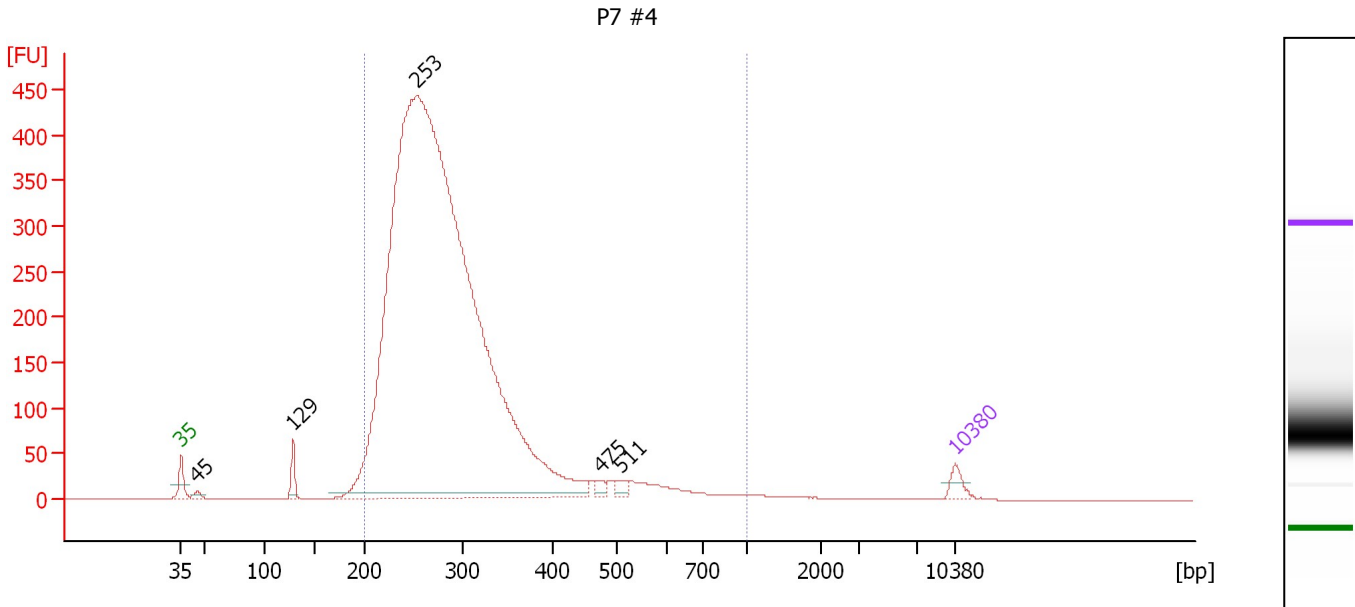
**Region table for sample 2 : P7 #3**

From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Color
200	333	1,000	7,148.1	75,523.3	98	31.1	15,032.11	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-04\2015-05-04\_002.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : P7 #4**

Number of peaks found: 5                      Corr. Area 1: 6,198.0  
 Noise: 0.1

**Peak table for sample 3 : P7 #4**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	45	48.45	1,629.5		44.45
3	129	163.41	1,923.7		53.12
4	253	17,669.98	106,026.6		64.26
5	475	56.32	179.6		80.89
6	511	57.10	169.3		82.82
7	10,380	75.00	10.9	Upper Marker	113.00

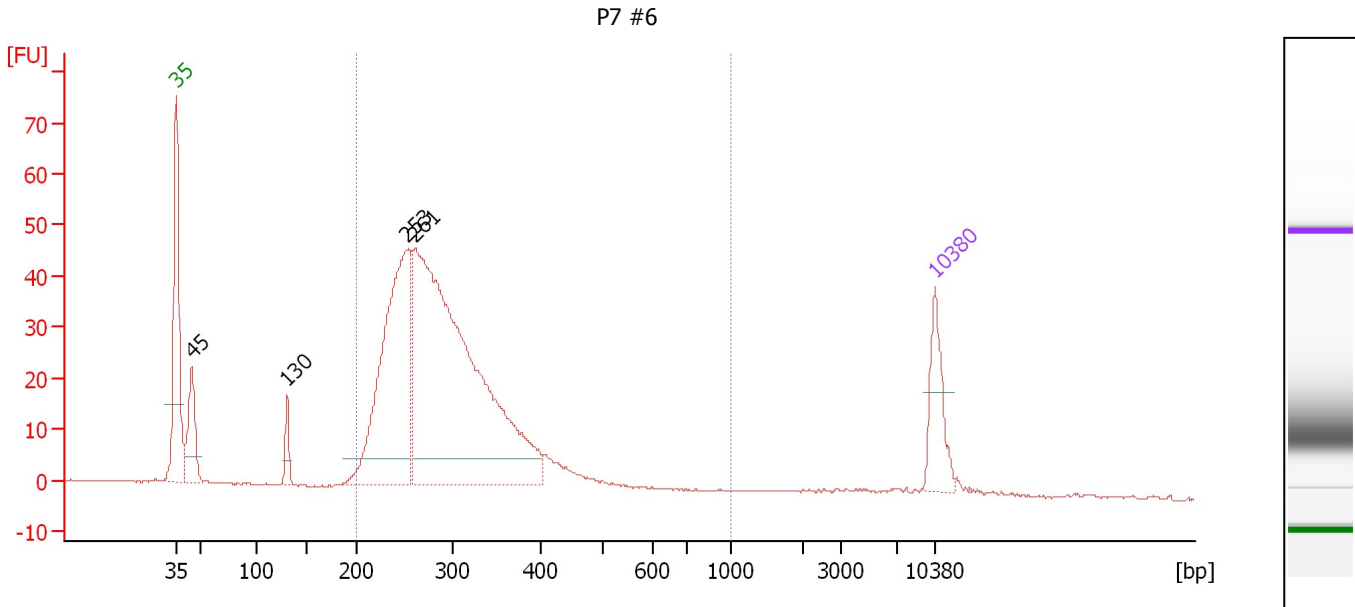
**Region table for sample 3 : P7 #4**

From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Color
200	293	1,000	6,198.0	94,819.9	97	28.0	17,252.10	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-04\2015-05-04\_002.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : P7 #6**

Number of peaks found: 4                      Corr. Area 1: 694.9  
 Noise: 0.1

**Peak table for sample 4 : P7 #6**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	45	133.23	4,494.0		44.43
3	130	44.43	518.0		53.24
4	253	591.26	3,546.9		64.27
5	261	1,237.99	7,190.7		65.00
6	10,380	75.00	10.9	Upper Marker	113.00

**Region table for sample 4 : P7 #6**

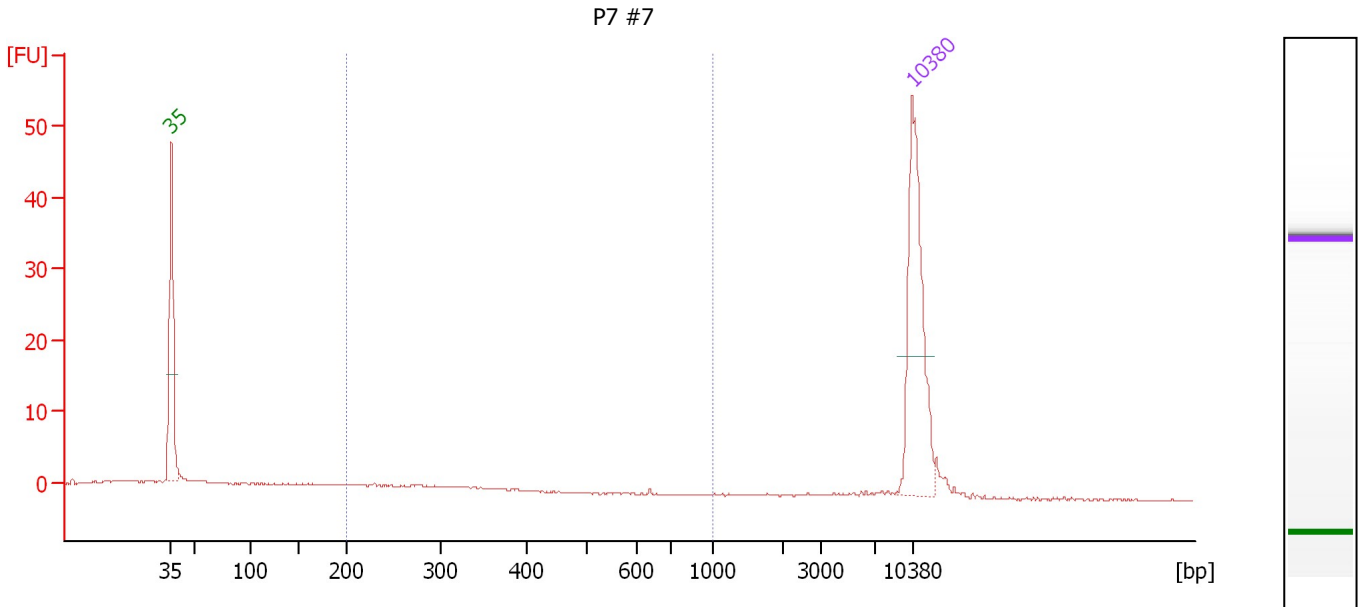
From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Color
200	294	1,000	694.9	9,814.5	91	20.5	1,826.72	Blue



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-04\2015-05-04\_002.xad

Created: 5/4/2015 10:36:56 AM  
 Modified: 5/4/2015 11:09:50 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : P7 #7**

Number of peaks found: 0                      Corr. Area 1: 7.0  
 Noise: 0.1

**Peak table for sample 5 : P7 #7**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	10,380	75.00	10.9	Upper Marker	113.00

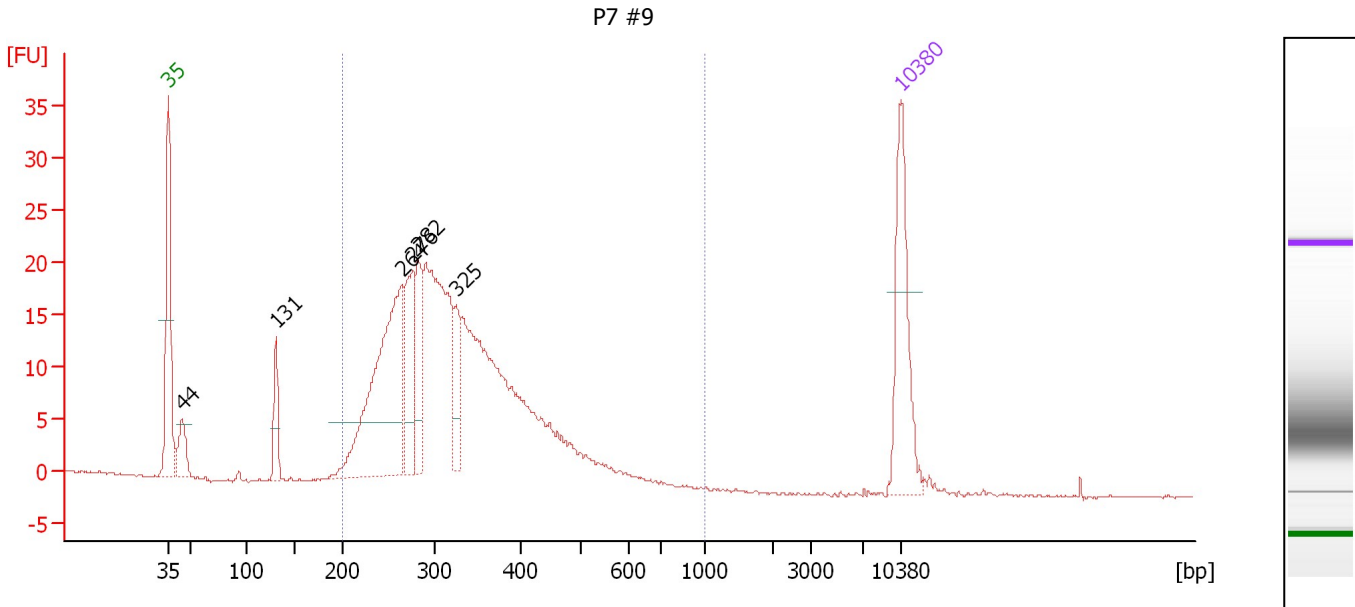
**Region table for sample 5 : P7 #7**

From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Color
200	283	1,000	7.0	63.5	21	23.6	11.32	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-04\2015-05-04\_002.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : P7 #9**

Number of peaks found: 6                      Corr. Area 1: 384.9  
 Noise: 0.1

**Peak table for sample 6 : P7 #9**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	44	36.28	1,243.6		44.32
3	131	37.50	435.3		53.29
4	264	236.45	1,355.3		65.31
5	276	71.97	394.6		66.38
6	282	57.90	311.0		66.89
7	325	37.92	176.8		70.51
8	10,380	75.00	10.9	Upper Marker	113.00

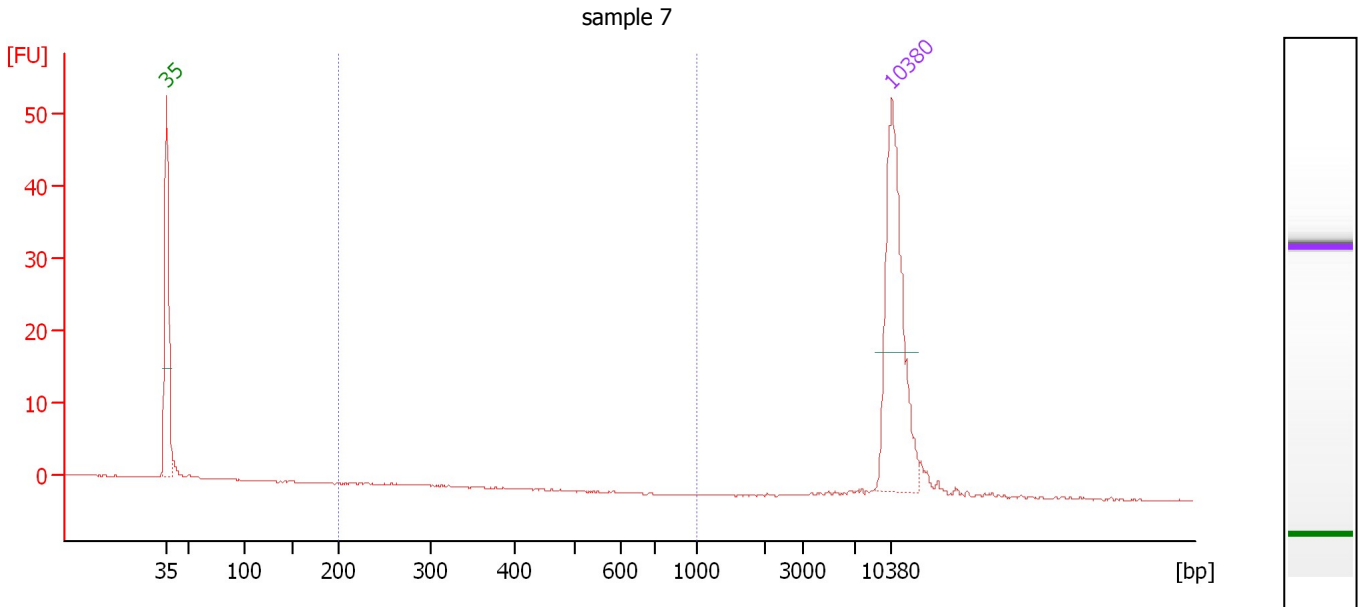
**Region table for sample 6 : P7 #9**

From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Color
200	328	1,000	384.9	4,975.9	94	24.0	1,007.45	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-04\2015-05-04\_002.xad

Created: 5/4/2015 10:36:56 AM  
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**Electropherogram Summary Continued ...**



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

Number of peaks found: 0                      Corr. Area 1: 0.0  
 Noise: 0.1

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

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	10,380	75.00	10.9	Upper Marker	113.00

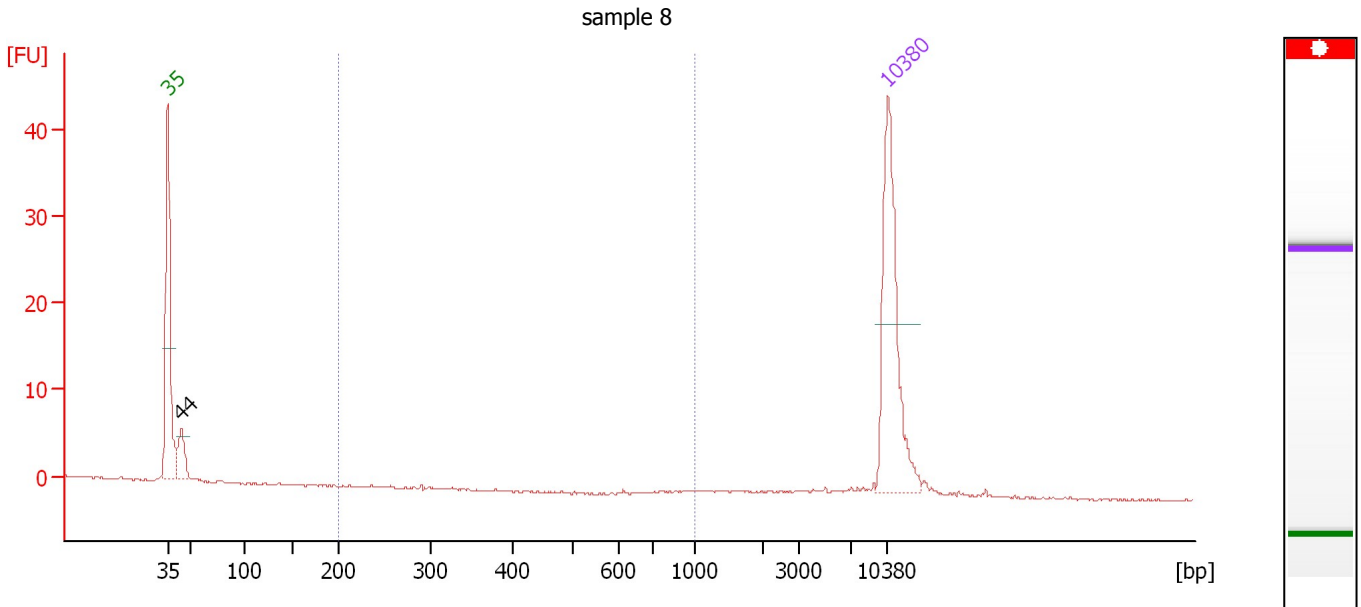
**Region table for sample 7 : sample 7**

From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Color
200	0	1,000	0.0	0.0	0	0.0	0.00	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-04\2015-05-04\_002.xad

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**Electropherogram Summary Continued ...**



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

Number of peaks found: 1                      Corr. Area 1: 0.0  
 Noise: 0.1

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

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	44	23.16	797.4		44.30
3	10,380	75.00	10.9	Upper Marker	113.00

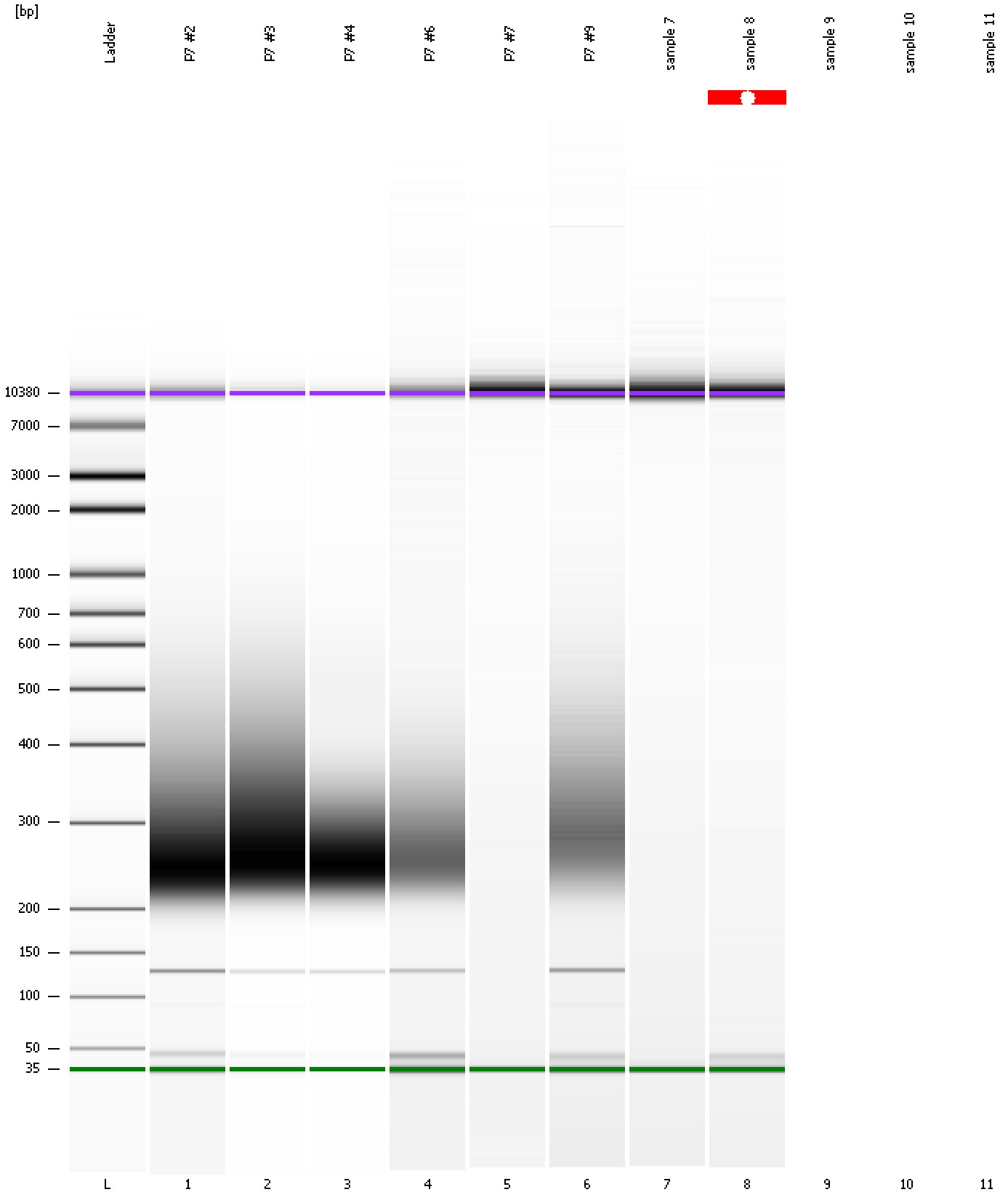
**Region table for sample 8 : sample 8**

From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Color
200	0	1,000	0.0	0.0	0	0.0	0.00	Blue

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-04\2015-05-04\_002.xad

Created: 5/4/2015 10:36:56 AM  
Modified: 5/4/2015 11:09:50 AM

**Gel Image**



Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-04\2015-05-04\_002.xad

Created: 5/4/2015 10:36:56 AM  
Modified: 5/4/2015 11:09:50 AM

**Invalid Samples**

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.