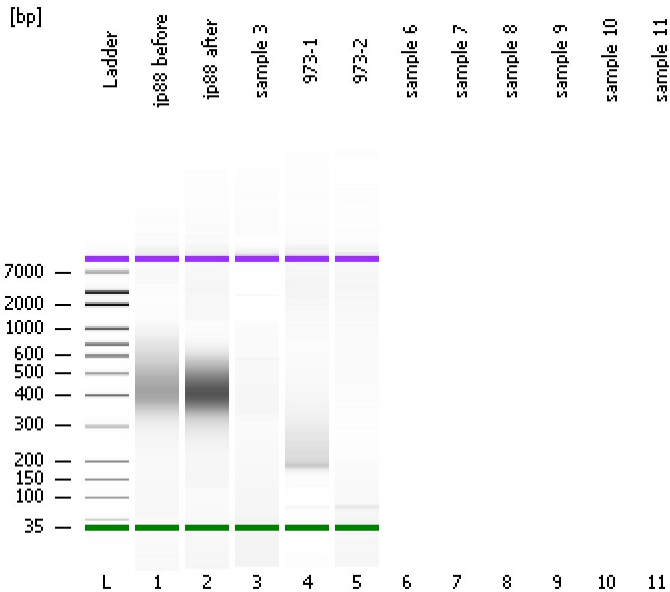


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-22\2017-06-22\_004.xad

Created: 6/22/2017 3:39:01 PM  
Modified: 6/22/2017 4:03:11 PM

**Electrophoresis File Run Summary**



Instrument Information:

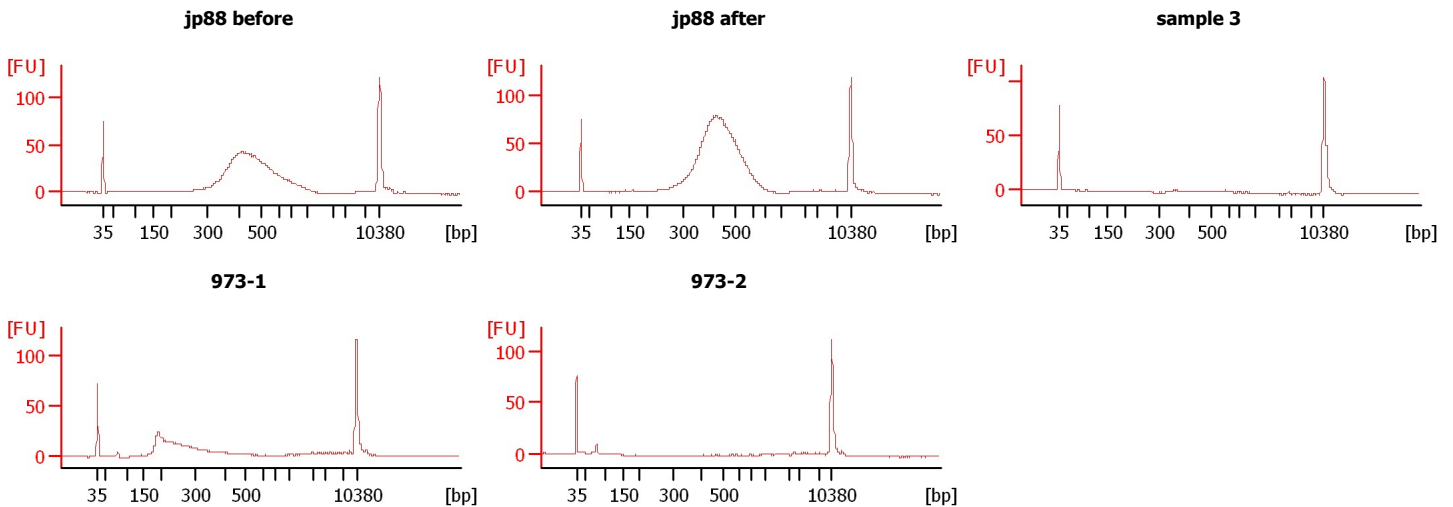
Instrument Name: DE13701086      Firmware: C.01.069  
Serial#: DE13701086      Type: G2938B

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\2017-06-22\2017-06-22\_004.xad

Created: 6/22/2017 3:39:01 PM  
 Modified: 6/22/2017 4:03:11 PM

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

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
jp88 before		<input type="checkbox"/>	✓			
jp88 after		<input type="checkbox"/>	✓			
sample 3		<input type="checkbox"/>	✓			
973-1		<input type="checkbox"/>	✓			
973-2		<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 #**

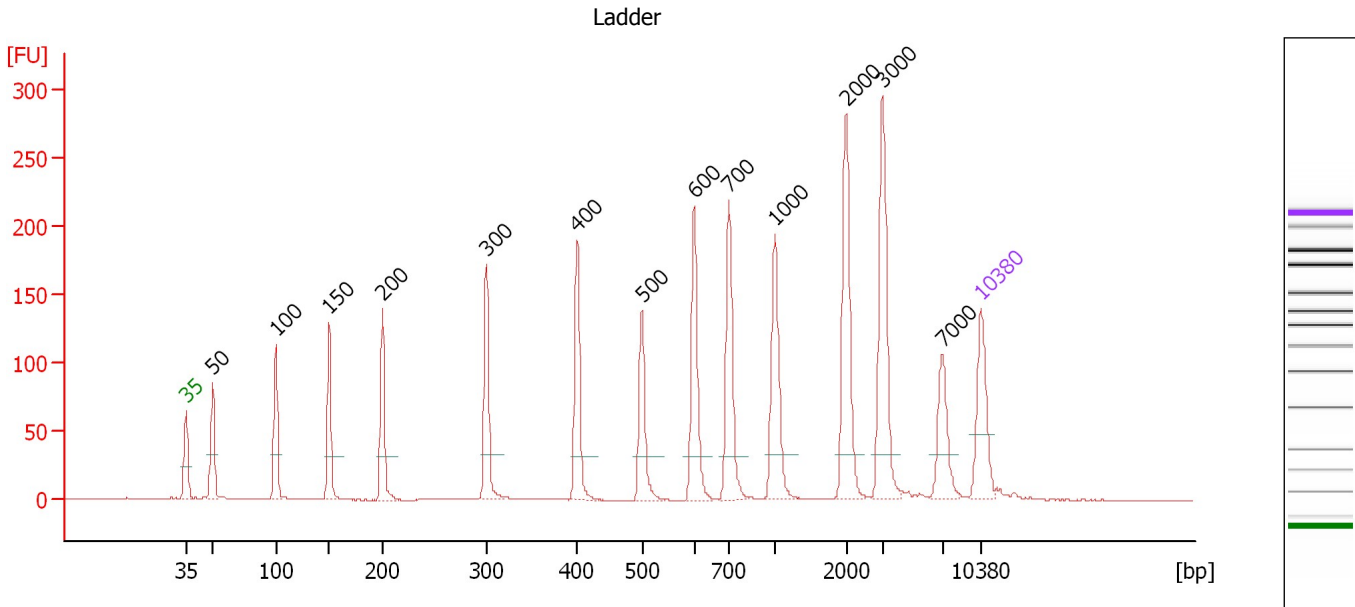
**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-22\2017-06-22\_004.xad

Created: 6/22/2017 3:39:01 PM  
 Modified: 6/22/2017 4:03:11 PM

**Electropherogram Summary**



**Overall Results for Ladder**

Noise: 0.2

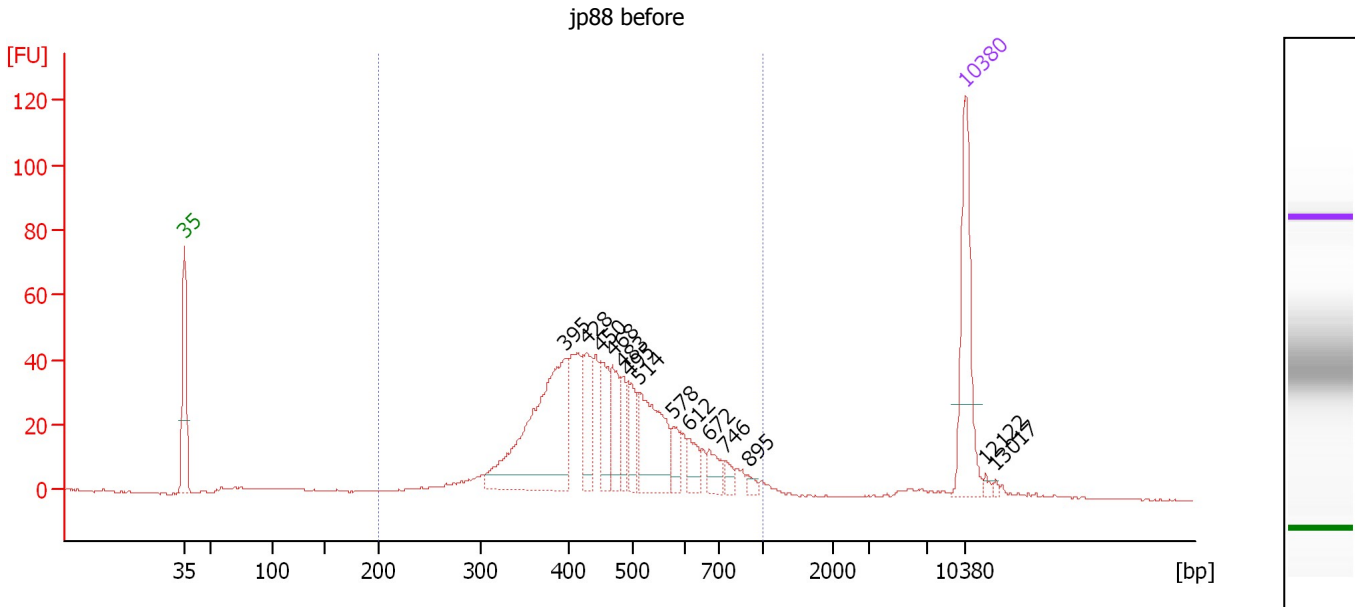
**Peak table for Ladder**

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	45.35
3	100	150.00	2,272.7	Ladder Peak	50.93
4	150	150.00	1,515.2	Ladder Peak	55.63
5	200	150.00	1,136.4	Ladder Peak	60.32
6	300	150.00	757.6	Ladder Peak	69.48
7	400	150.00	568.2	Ladder Peak	77.46
8	500	150.00	454.5	Ladder Peak	83.14
9	600	150.00	378.8	Ladder Peak	87.74
10	700	150.00	324.7	Ladder Peak	90.84
11	1,000	150.00	227.3	Ladder Peak	94.88
12	2,000	150.00	113.6	Ladder Peak	101.12
13	3,000	150.00	75.8	Ladder Peak	104.36
14	7,000	150.00	32.5	Ladder Peak	109.57
15	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-22\2017-06-22\_004.xad

Created: 6/22/2017 3:39:01 PM  
 Modified: 6/22/2017 4:03:11 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : jp88 before**

Number of peaks found: 14                      Corr. Area 1: 785.5  
 Noise: 0.2

**Peak table for sample 1 : jp88 before**

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	395	198.26	759.7		77.09
3	428	50.94	180.3		79.05
4	450	39.88	134.3		80.29
5	468	37.42	121.1		81.34
6	483	25.10	78.7		82.20
7	495	26.54	81.2		82.87
8	514	84.46	249.1		83.78
9	578	17.37	45.5		86.74
10	612	17.41	43.1		88.12
11	672	17.45	39.3		89.98
12	746	7.22	14.7		91.47
13	895	4.77	8.1		93.47
14	10,380	75.00	10.9	Upper Marker	113.00
15	12,122	0.00	0.0		114.77
16	13,017	0.00	0.0		115.67

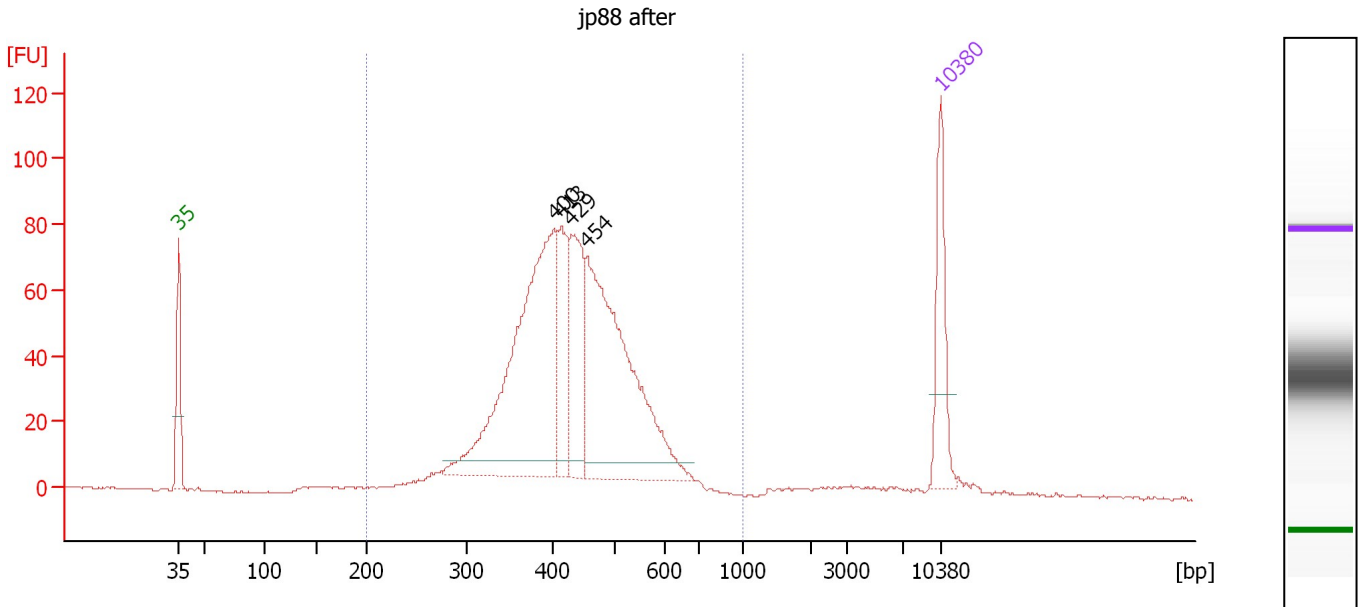
**Region table for sample 1 : jp88 before**

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	471	785.5	2,596.4	742.35	93	26.2

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-22\2017-06-22\_004.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : jp88 after**

Number of peaks found: 4                      Corr. Area 1: 1,243.4  
 Noise: 0.3

**Peak table for sample 2 : jp88 after**

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	400	469.97	1,778.2		77.49
3	413	106.70	391.9		78.17
4	429	144.77	511.4		79.10
5	454	417.97	1,395.2		80.52
6	10,380	75.00	10.9	Upper Marker	113.00

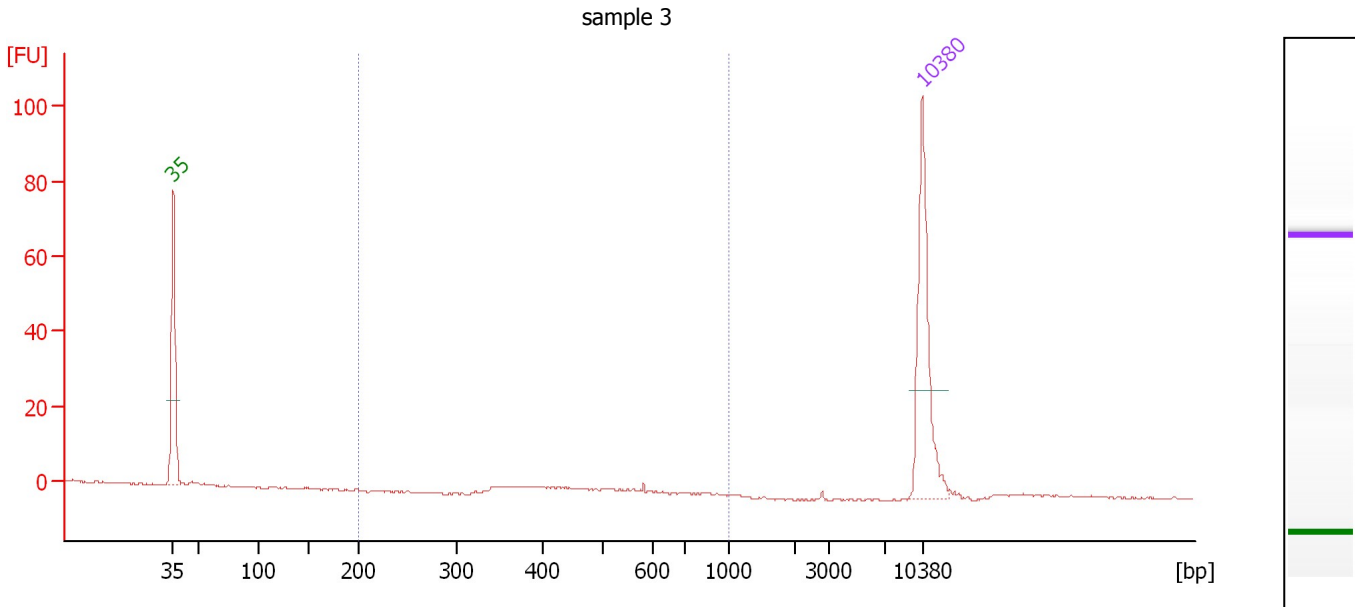
**Region table for sample 2 : jp88 after**

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	432	1,243.4	4,979.3	1,348.48	96	19.2

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-22\2017-06-22\_004.xad

Created: 6/22/2017 3:39:01 PM  
 Modified: 6/22/2017 4:03:11 PM

**Electropherogram Summary Continued ...**



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

Number of peaks found: 0                      Corr. Area 1: 3.8  
 Noise: 0.2

**Peak table for sample 3 : sample 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	10,380	75.00	10.9	Upper Marker	113.00

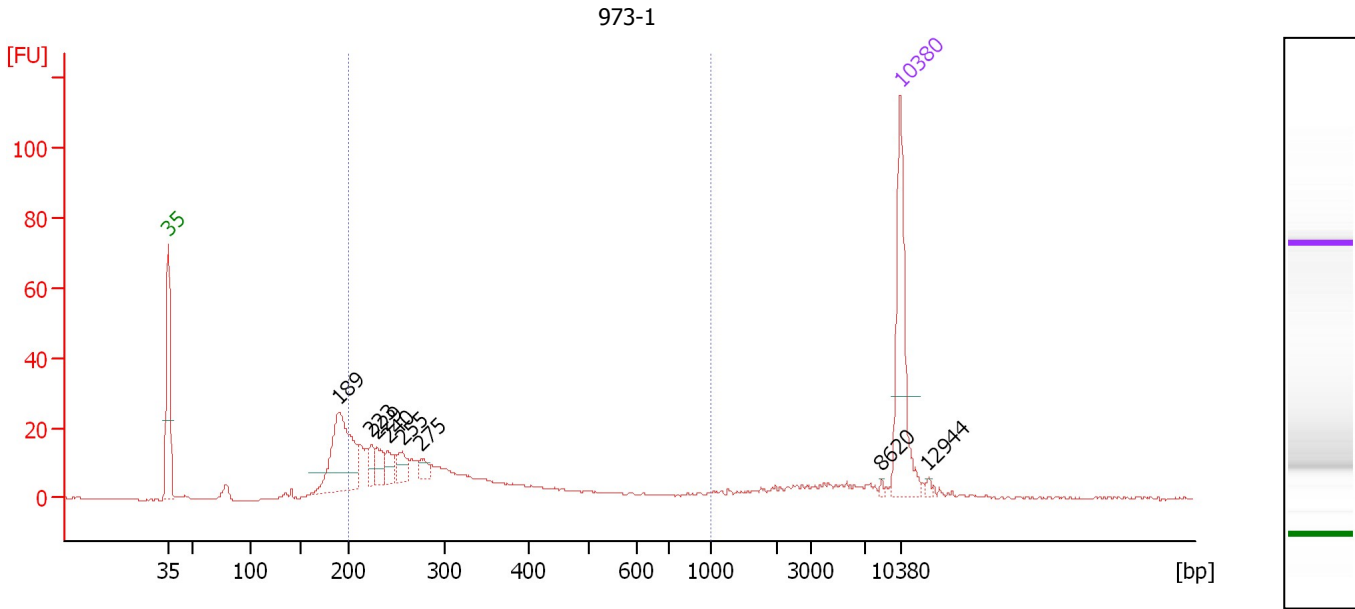
**Region table for sample 3 : sample 3**

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	426	3.8	14.2	3.87	47	17.0

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-22\2017-06-22\_004.xad

Created: 6/22/2017 3:39:01 PM  
 Modified: 6/22/2017 4:03:11 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : 973-1**

Number of peaks found: 8                      Corr. Area 1: 268.4  
 Noise: 0.2

**Peak table for sample 4 : 973-1**

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	189	120.74	969.4		59.26
3	223	17.29	117.5		62.42
4	229	19.62	130.1		62.93
5	240	16.42	103.6		64.01
6	255	19.34	115.1		65.33
7	275	11.08	61.1		67.17
8	8,620	1.74	0.3		111.22
9	10,380	75.00	10.9	Upper Marker	113.00
10	12,944	0.00	0.0		115.60

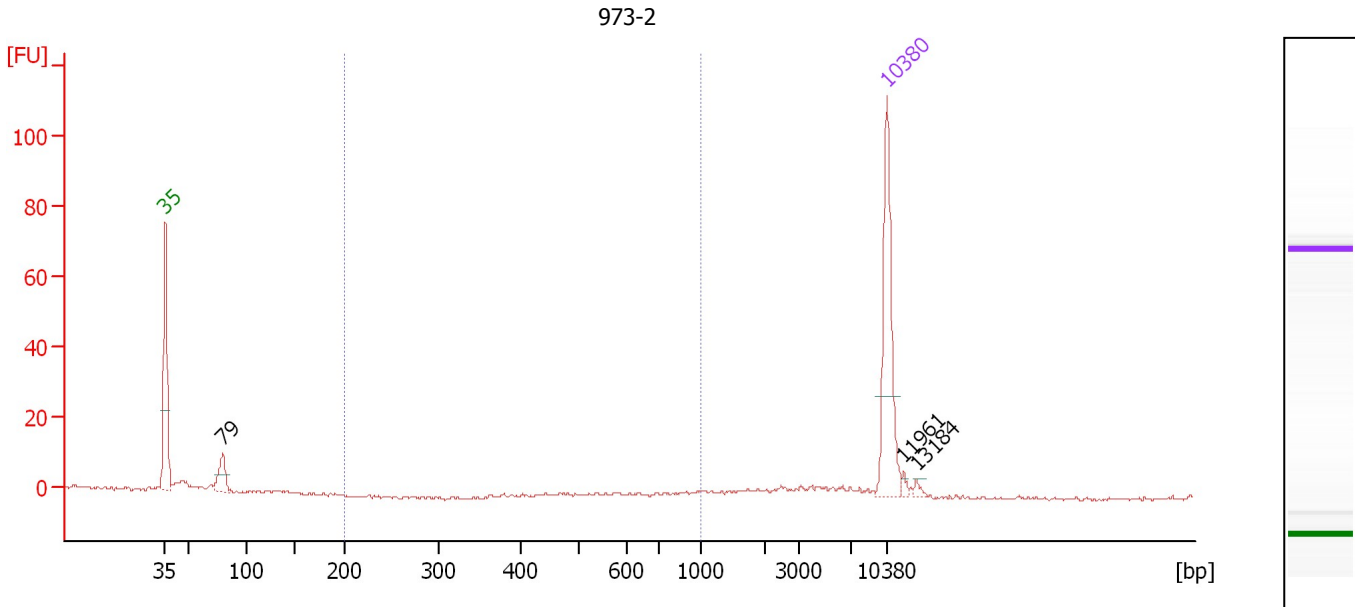
**Region table for sample 4 : 973-1**

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	315	268.4	1,851.3	336.63	65	41.1

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-22\2017-06-22\_004.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : 973-2**

Number of peaks found: 3                      Corr. Area 1: 0.1  
 Noise: 0.5

**Peak table for sample 5 : 973-2**

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	79	27.91	535.5		48.58
3	10,380	75.00	10.9	Upper Marker	113.00
4	11,961	0.00	0.0		114.60
5	13,184	0.00	0.0		115.84

**Region table for sample 5 : 973-2**

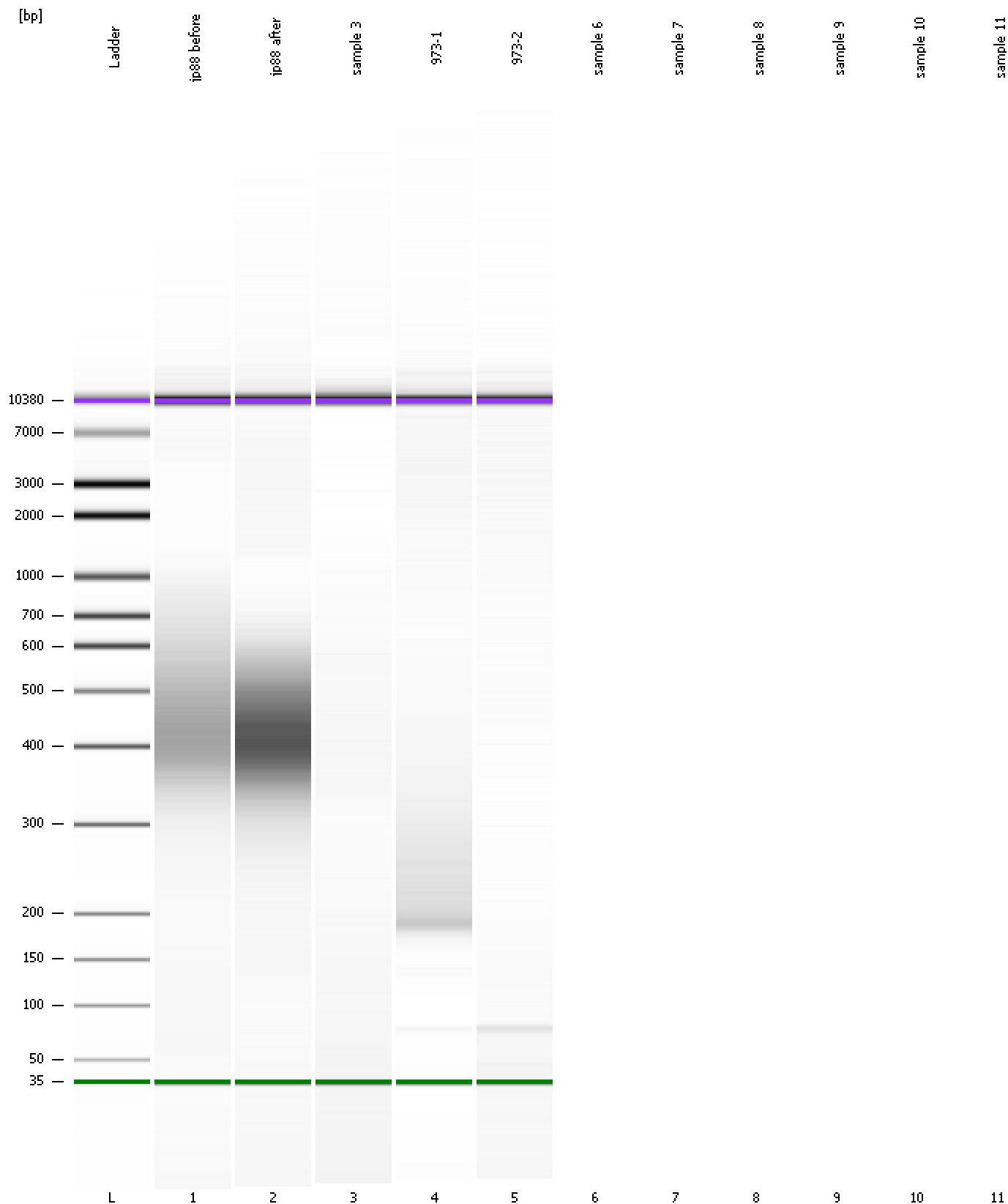
From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	962	0.1	0.2	0.12	0	3.6



Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-22\2017-06-22\_004.xad

Created: 6/22/2017 3:39:01 PM  
Modified: 6/22/2017 4:03:11 PM

**Gel Image**



Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-22\2017-06-22\_004.xad

Created: 6/22/2017 3:39:01 PM  
Modified: 6/22/2017 4:03:11 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.