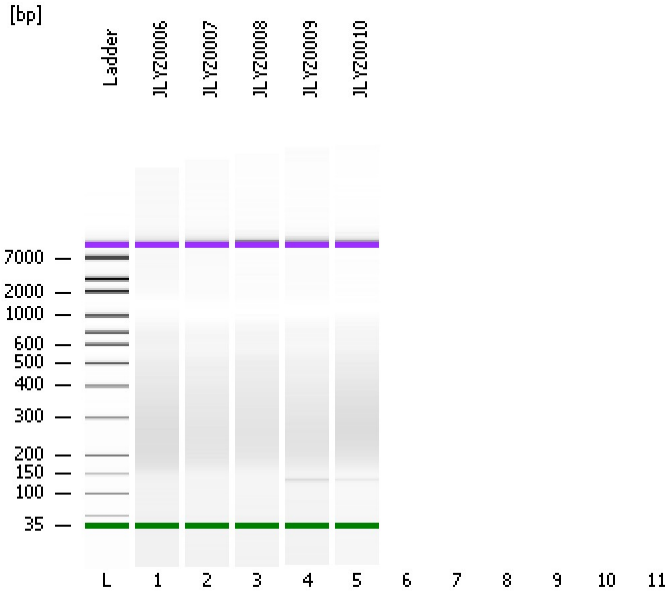


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-16\2017-06-16\_002.xad

Created: 6/16/2017 3:46:53 PM  
Modified: 6/16/2017 4:11:04 PM

**Electrophoresis File Run Summary**



Instrument Information:

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

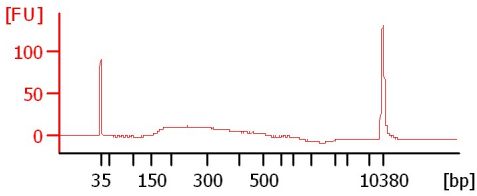
Assay Information:

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

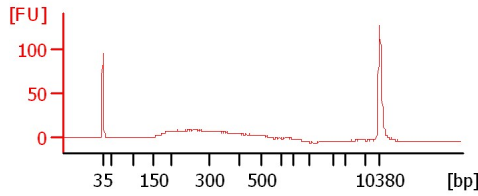
Chip Information:

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

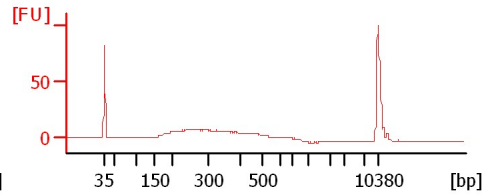
**JLYZ0006**



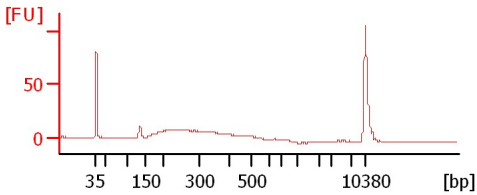
**JLYZ0007**



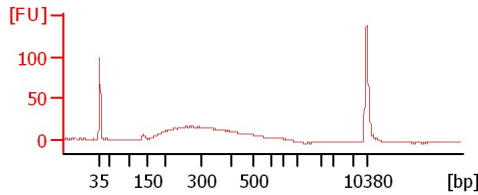
**JLYZ0008**



**JLYZ0009**



**JLYZ0010**



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-16\2017-06-16\_002.xad

Created: 6/16/2017 3:46:53 PM  
 Modified: 6/16/2017 4:11:04 PM

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

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
JLYZ0006		<input type="checkbox"/>	✓			
JLYZ0007		<input type="checkbox"/>	✓			
JLYZ0008		<input type="checkbox"/>	✓			
JLYZ0009		<input type="checkbox"/>	✓			
JLYZ0010		<input type="checkbox"/>	✓			
		<input type="checkbox"/>				
		<input type="checkbox"/>				
		<input type="checkbox"/>				
		<input type="checkbox"/>				
		<input type="checkbox"/>				
Ladder		<input type="checkbox"/>	✓			

Chip Lot #

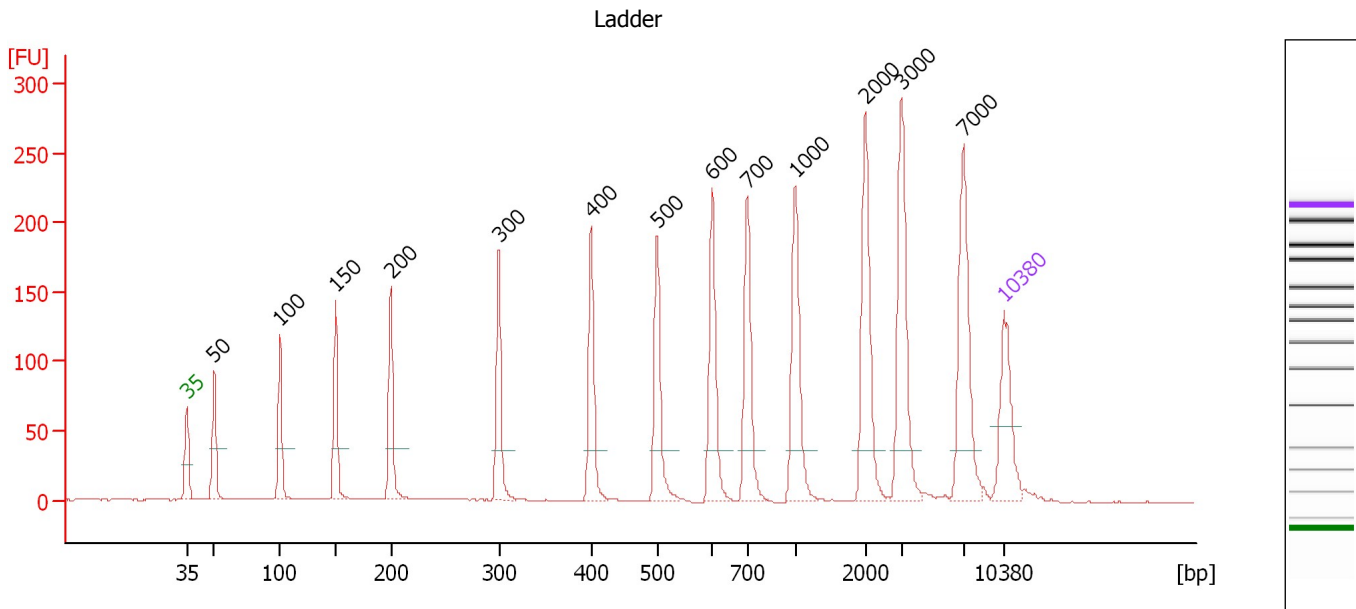
Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-16\2017-06-16\_002.xad

Created: 6/16/2017 3:46:53 PM  
 Modified: 6/16/2017 4:11:04 PM

**Electropherogram Summary**



**Overall Results for Ladder**

Noise: 0.2

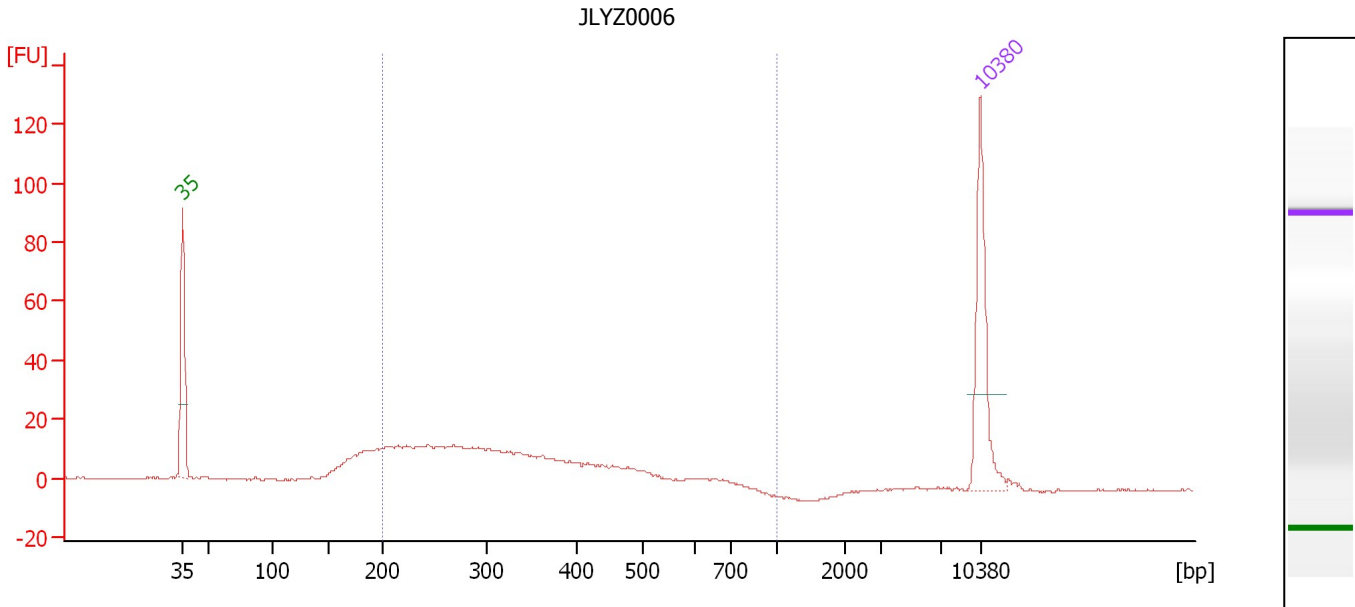
**Peak table for Ladder**

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	45.33
3	100	150.00	2,272.7	Ladder Peak	50.95
4	150	150.00	1,515.2	Ladder Peak	55.75
5	200	150.00	1,136.4	Ladder Peak	60.45
6	300	150.00	757.6	Ladder Peak	69.73
7	400	150.00	568.2	Ladder Peak	77.63
8	500	150.00	454.5	Ladder Peak	83.30
9	600	150.00	378.8	Ladder Peak	88.01
10	700	150.00	324.7	Ladder Peak	91.02
11	1,000	150.00	227.3	Ladder Peak	95.13
12	2,000	150.00	113.6	Ladder Peak	101.12
13	3,000	150.00	75.8	Ladder Peak	104.23
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\2017-06-16\2017-06-16\_002.xad

Created: 6/16/2017 3:46:53 PM  
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**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : JLYZ0006**

Number of peaks found: 0                      Corr. Area 1: 334.0  
 Noise: 0.2

**Peak table for sample 1 : JLYZ0006**

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

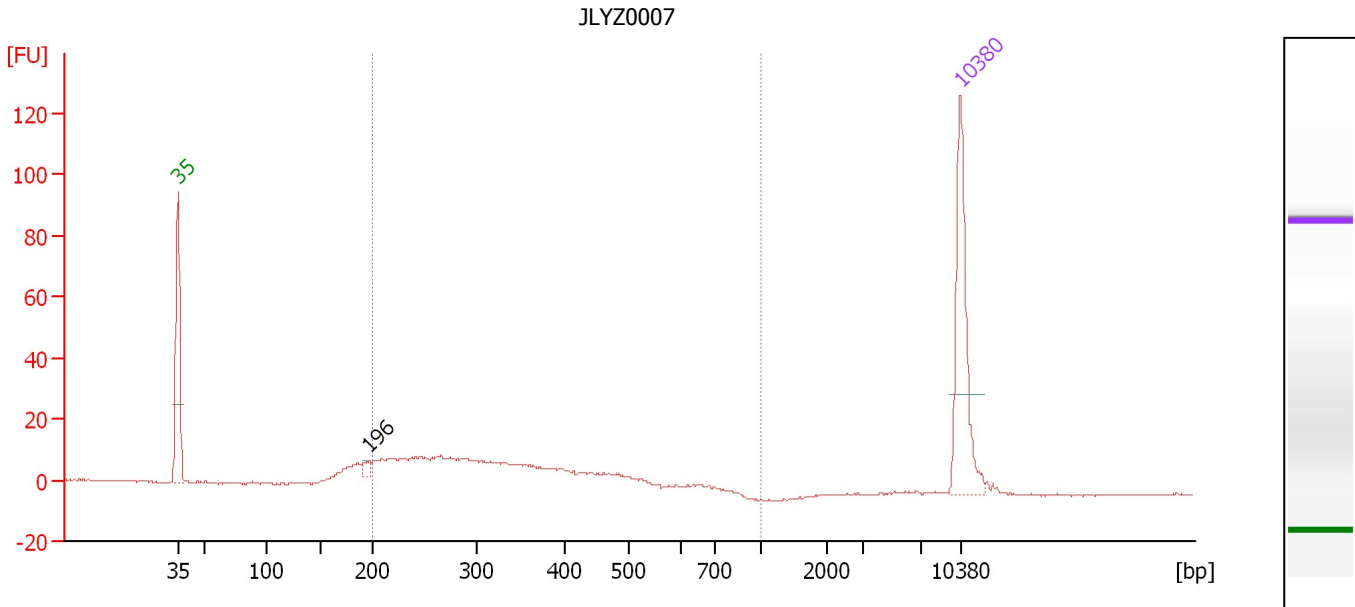
**Region table for sample 1 : JLYZ0006**

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	330	334.0	1,779.0	346.77	81	30.8

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-16\2017-06-16\_002.xad

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 Modified: 6/16/2017 4:11:04 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : JLYZ0007**

Number of peaks found: 1                      Corr. Area 1: 237.5  
 Noise: 0.2

**Peak table for sample 2 : JLYZ0007**

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	196	7.24	55.9		60.08
3	10,380	75.00	10.9	Upper Marker	113.00

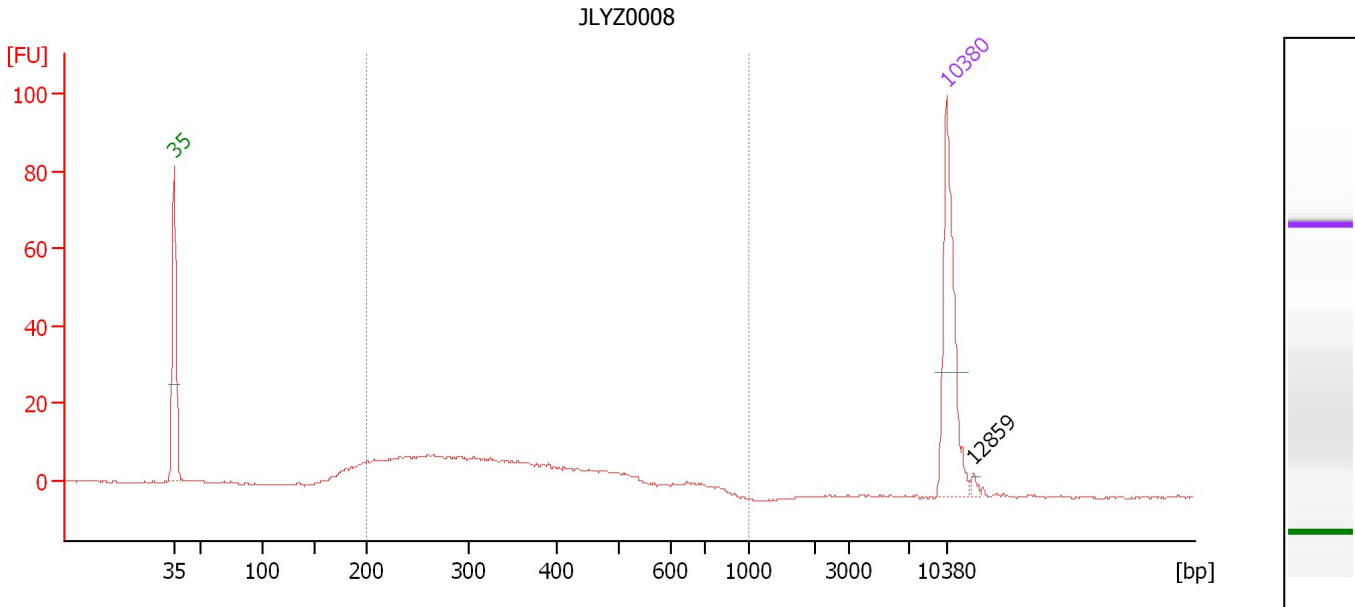
**Region table for sample 2 : JLYZ0007**

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	326	237.5	1,175.8	229.20	86	28.7

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-16\2017-06-16\_002.xad

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 Modified: 6/16/2017 4:11:04 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : JLYZ0008**

Number of peaks found: 1                      Corr. Area 1: 237.1  
 Noise: 0.2

**Peak table for sample 3 : JLYZ0008**

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
3	12,859	0.00	0.0		115.51

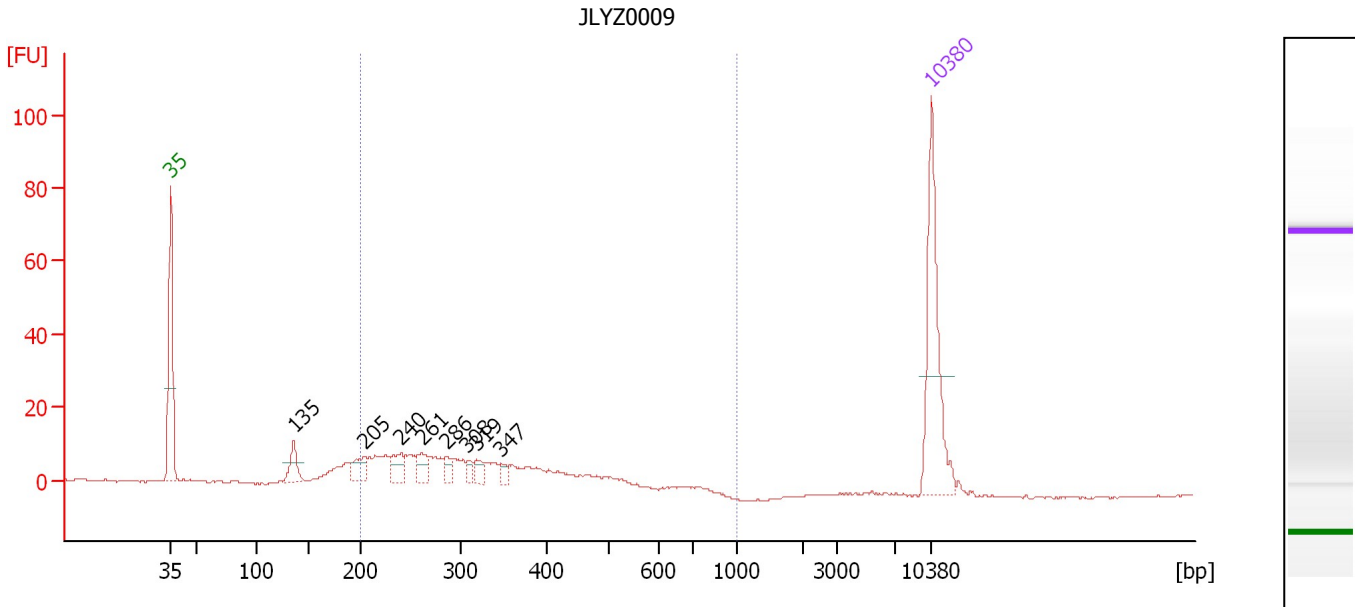
**Region table for sample 3 : JLYZ0008**

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	350	237.1	1,316.0	267.43	86	32.7

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-16\2017-06-16\_002.xad

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 Modified: 6/16/2017 4:11:04 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : JLYZ0009**

Number of peaks found: 8                      Corr. Area 1: 206.4  
 Noise: 0.2

**Peak table for sample 4 : JLYZ0009**

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	135	21.57	241.7		54.33
3	205	20.20	149.4		60.90
4	240	18.05	113.8		64.19
5	261	15.41	89.5		66.10
6	286	9.41	49.8		68.46
7	308	6.42	31.6		70.32
8	319	9.07	43.1		71.21
9	347	5.92	25.9		73.41
10	10,380	75.00	10.9	Upper Marker	113.00

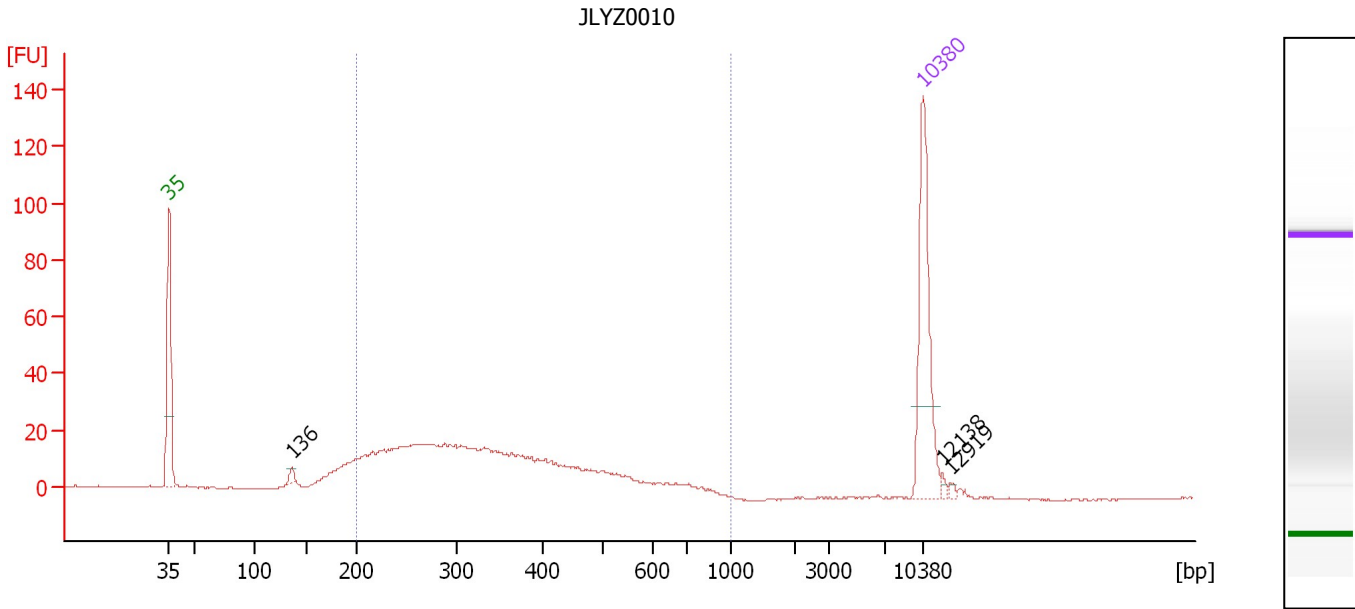
**Region table for sample 4 : JLYZ0009**

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	321	206.4	1,191.8	229.38	80	28.5

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-16\2017-06-16\_002.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : JLYZ0010**

Number of peaks found: 3                      Corr. Area 1: 470.4  
 Noise: 0.2

**Peak table for sample 5 : JLYZ0010**

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	136	5.68	63.2		54.44
3	10,380	75.00	10.9	Upper Marker	113.00
4	12,138	0.00	0.0		114.78
5	12,919	0.00	0.0		115.57

**Region table for sample 5 : JLYZ0010**

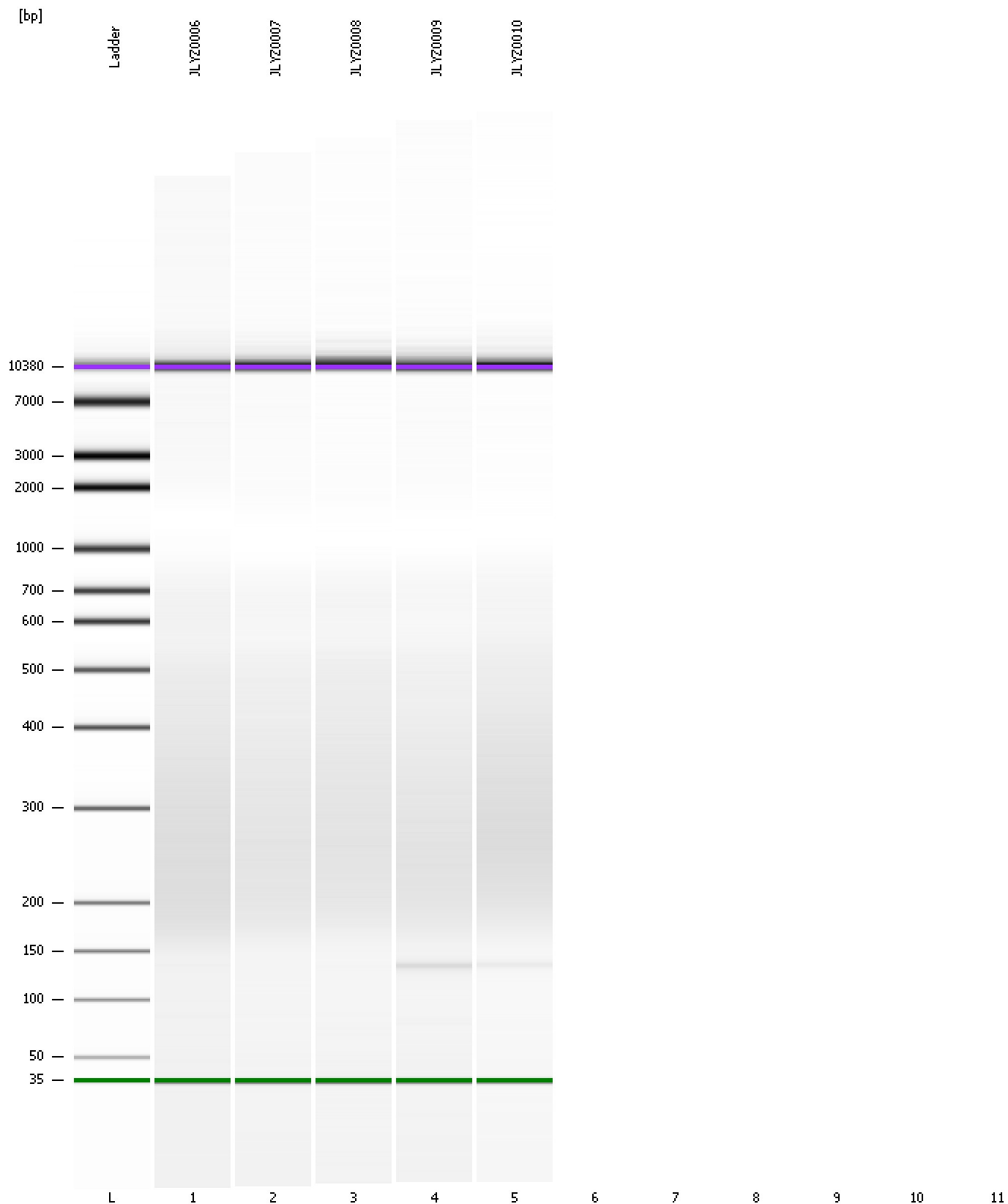
From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	352	470.4	1,948.0	397.04	87	33.7



Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-16\2017-06-16\_002.xad

Created: 6/16/2017 3:46:53 PM  
Modified: 6/16/2017 4:11:04 PM

**Gel Image**



Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-16\2017-06-16\_002.xad

Created: 6/16/2017 3:46:53 PM  
Modified: 6/16/2017 4:11:04 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.