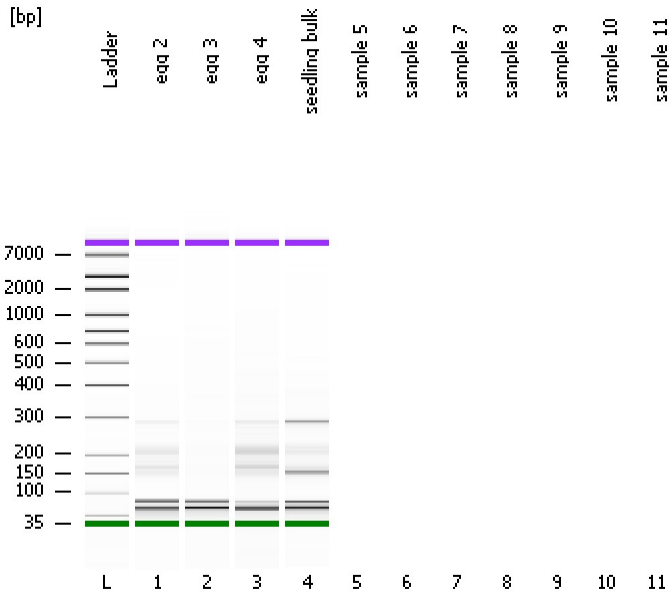


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-04-27\2017-04-27\_002.xad

Created: 4/27/2017 2:49:16 PM  
Modified: 4/27/2017 3:13:07 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

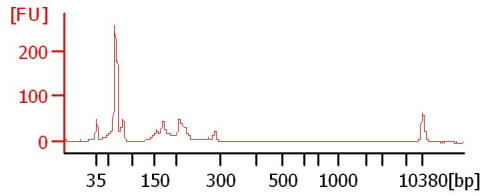
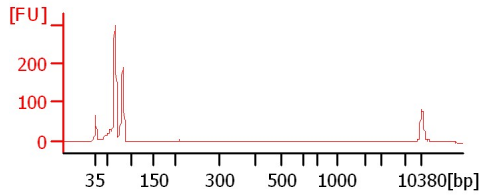
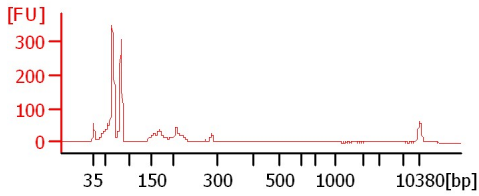
Chip Information:

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

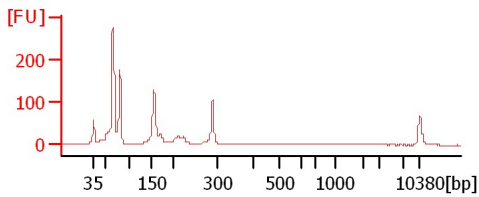
egg 2

egg 3

egg 4



seedling bulk



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-04-27\2017-04-27\_002.xad

Created: 4/27/2017 2:49:16 PM  
 Modified: 4/27/2017 3:13:07 PM

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

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
egg 2		<input type="checkbox"/>	✓			
egg 3		<input type="checkbox"/>	✓			
egg 4		<input type="checkbox"/>	✓			
seedling bulk		<input type="checkbox"/>	✓			
sample 5		<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 #**

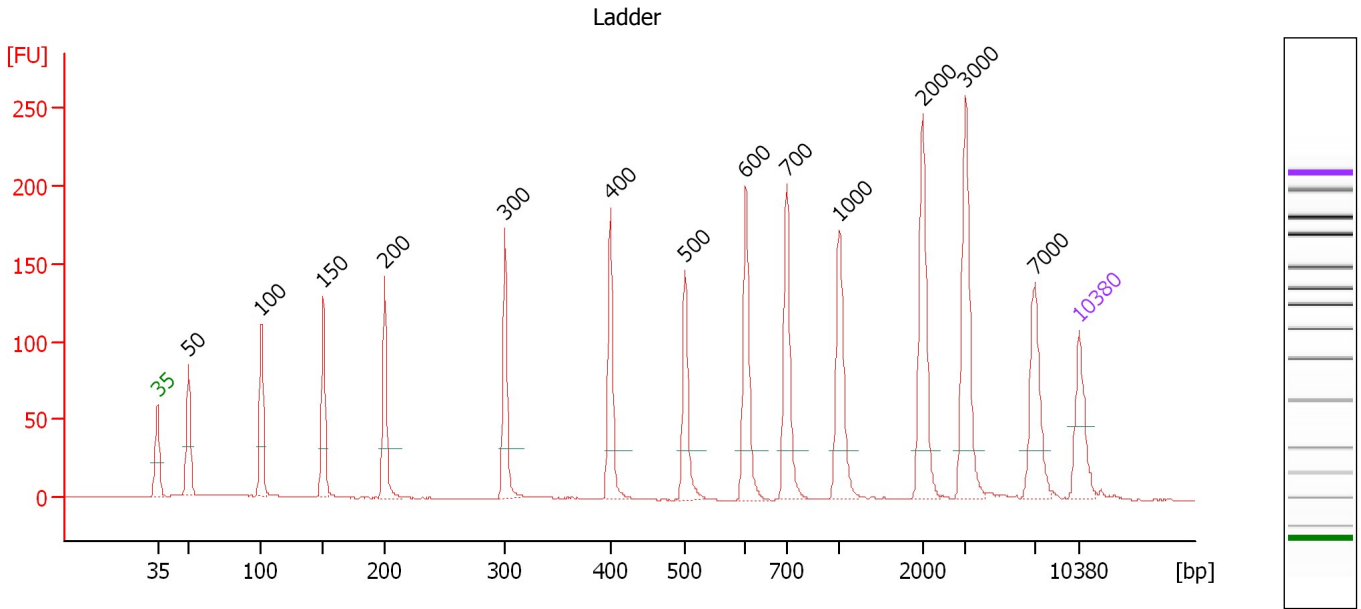
**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-04-27\2017-04-27\_002.xad

Created: 4/27/2017 2:49:16 PM  
 Modified: 4/27/2017 3:13:07 PM

**Electropherogram Summary**



**Overall Results for Ladder**

Noise: 0.2

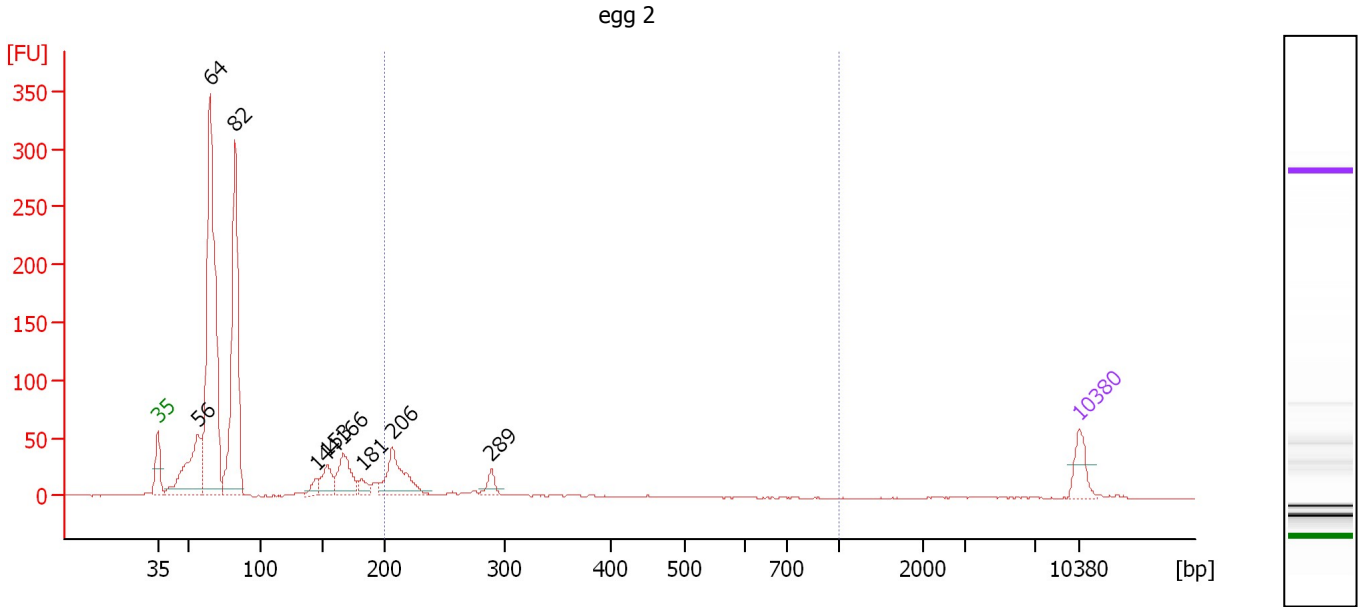
**Peak table for Ladder**

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	45.36
3	100	150.00	2,272.7	Ladder Peak	50.87
4	150	150.00	1,515.2	Ladder Peak	55.59
5	200	150.00	1,136.4	Ladder Peak	60.27
6	300	150.00	757.6	Ladder Peak	69.39
7	400	150.00	568.2	Ladder Peak	77.40
8	500	150.00	454.5	Ladder Peak	83.05
9	600	150.00	378.8	Ladder Peak	87.68
10	700	150.00	324.7	Ladder Peak	90.78
11	1,000	150.00	227.3	Ladder Peak	94.76
12	2,000	150.00	113.6	Ladder Peak	101.10
13	3,000	150.00	75.8	Ladder Peak	104.39
14	7,000	150.00	32.5	Ladder Peak	109.62
15	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-04-27\2017-04-27\_002.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : egg 2**

Number of peaks found: 9                      Corr. Area 1: 166.2  
 Noise: 0.2

**Peak table for sample 1 : egg 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	56	455.75	12,232.6		46.07
3	64	1,607.46	37,774.7		46.96
4	82	1,104.62	20,461.9		48.86
5	144	47.54	499.1		55.05
6	153	123.65	1,222.8		55.89
7	166	204.56	1,865.5		57.10
8	181	52.55	439.7		58.50
9	206	275.58	2,025.8		60.83
10	289	54.51	286.0		68.37
11	10,380	75.00	10.9	Upper Marker	113.00

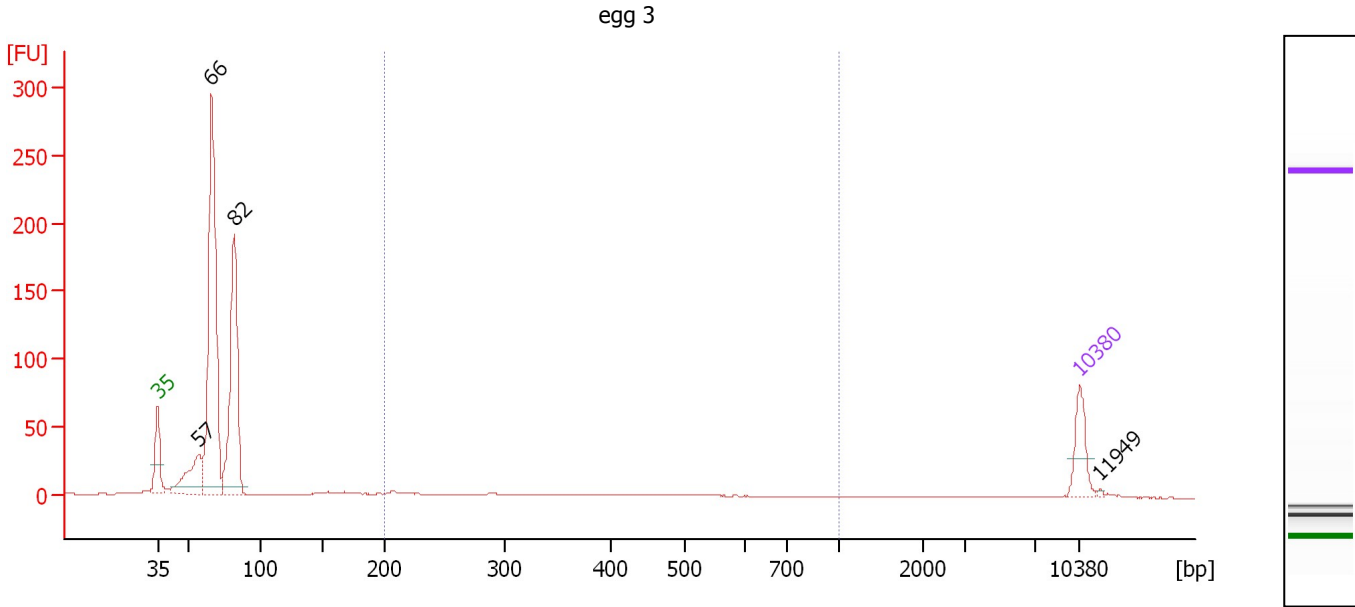
**Region table for sample 1 : egg 2**

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	251	166.2	2,510.1	400.13	11	23.5

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-04-27\2017-04-27\_002.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : egg 3**

Number of peaks found: 4                      Corr. Area 1: 44.3  
 Noise: 0.2

**Peak table for sample 2 : egg 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	57	199.23	5,330.9		46.09
3	66	959.35	22,128.4		47.09
4	82	596.22	11,063.0		48.85
5	10,380	75.00	10.9	Upper Marker	113.00
6	11,949	0.00	0.0		114.57

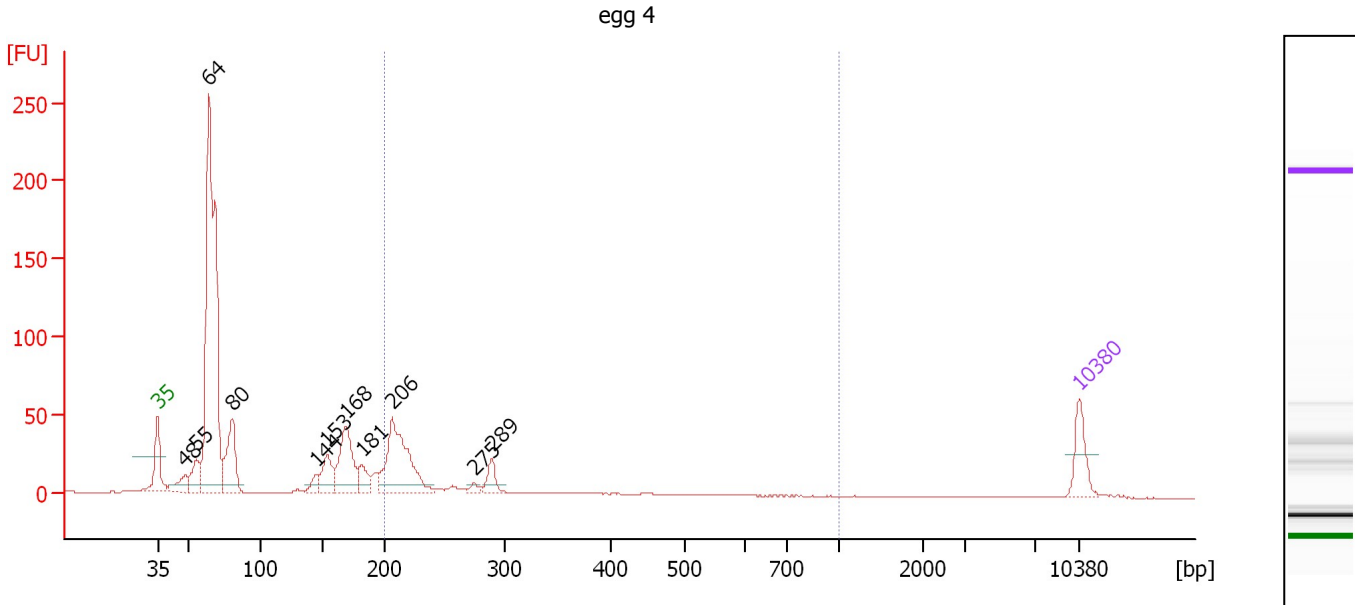
**Region table for sample 2 : egg 3**

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	403	44.3	352.4	74.53	5	44.0

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-04-27\2017-04-27\_002.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : egg 4**

Number of peaks found: 11                      Corr. Area 1: 211.2  
 Noise: 0.1

**Peak table for sample 3 : egg 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	48	70.31	2,208.6		45.08
3	55	95.86	2,622.3		45.96
4	64	1,308.67	30,893.5		46.92
5	80	228.22	4,321.9		48.67
6	144	37.00	389.6		55.01
7	153	105.86	1,047.4		55.89
8	168	228.63	2,060.1		57.29
9	181	63.49	531.2		58.50
10	206	370.83	2,725.9		60.83
11	275	16.00	88.3		67.08
12	289	51.90	272.1		68.38
13	10,380	75.00	10.9	Upper Marker	113.00

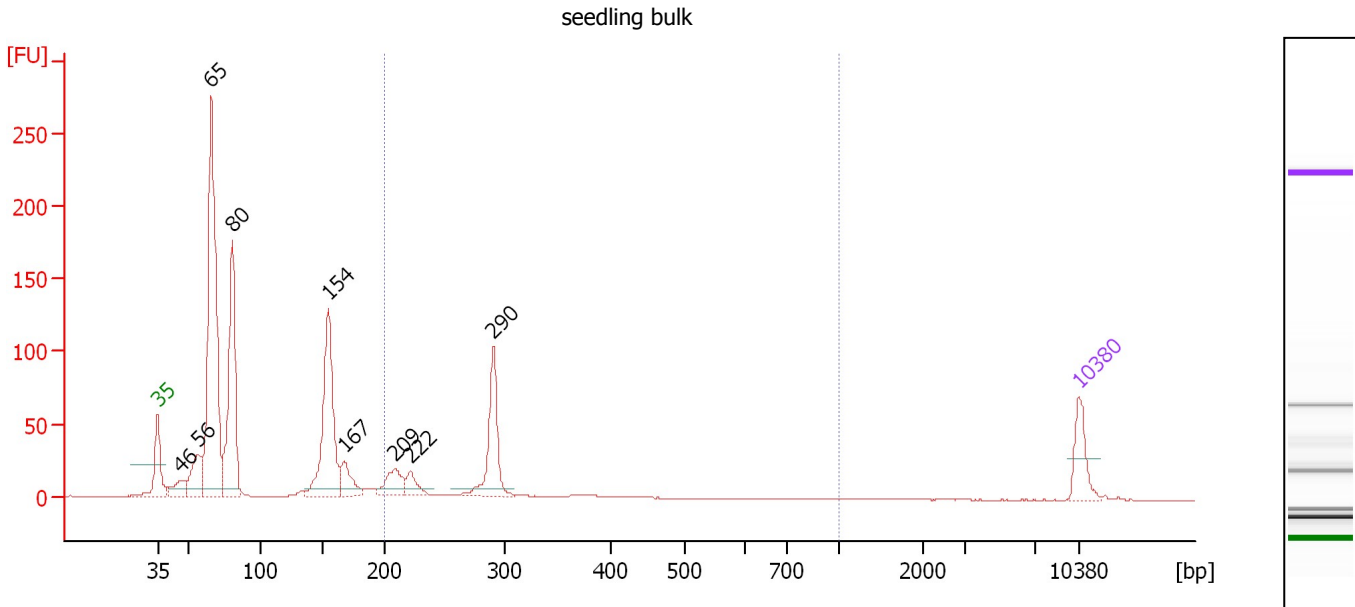
**Region table for sample 3 : egg 4**

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	251	211.2	3,220.3	506.83	21	29.0

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-04-27\2017-04-27\_002.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : seedling bulk**

Number of peaks found: 9                      Corr. Area 1: 224.5  
 Noise: 0.2

**Peak table for sample 4 : seedling bulk**

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	71.90	2,353.8		44.78
3	56	148.45	3,993.1		46.06
4	65	1,085.92	25,202.9		47.05
5	80	541.56	10,249.4		48.67
6	154	487.09	4,789.9		55.97
7	167	94.66	860.1		57.16
8	209	93.44	678.6		61.05
9	222	55.24	377.7		62.24
10	290	227.28	1,186.3		68.50
11	10,380	75.00	10.9	Upper Marker	113.00

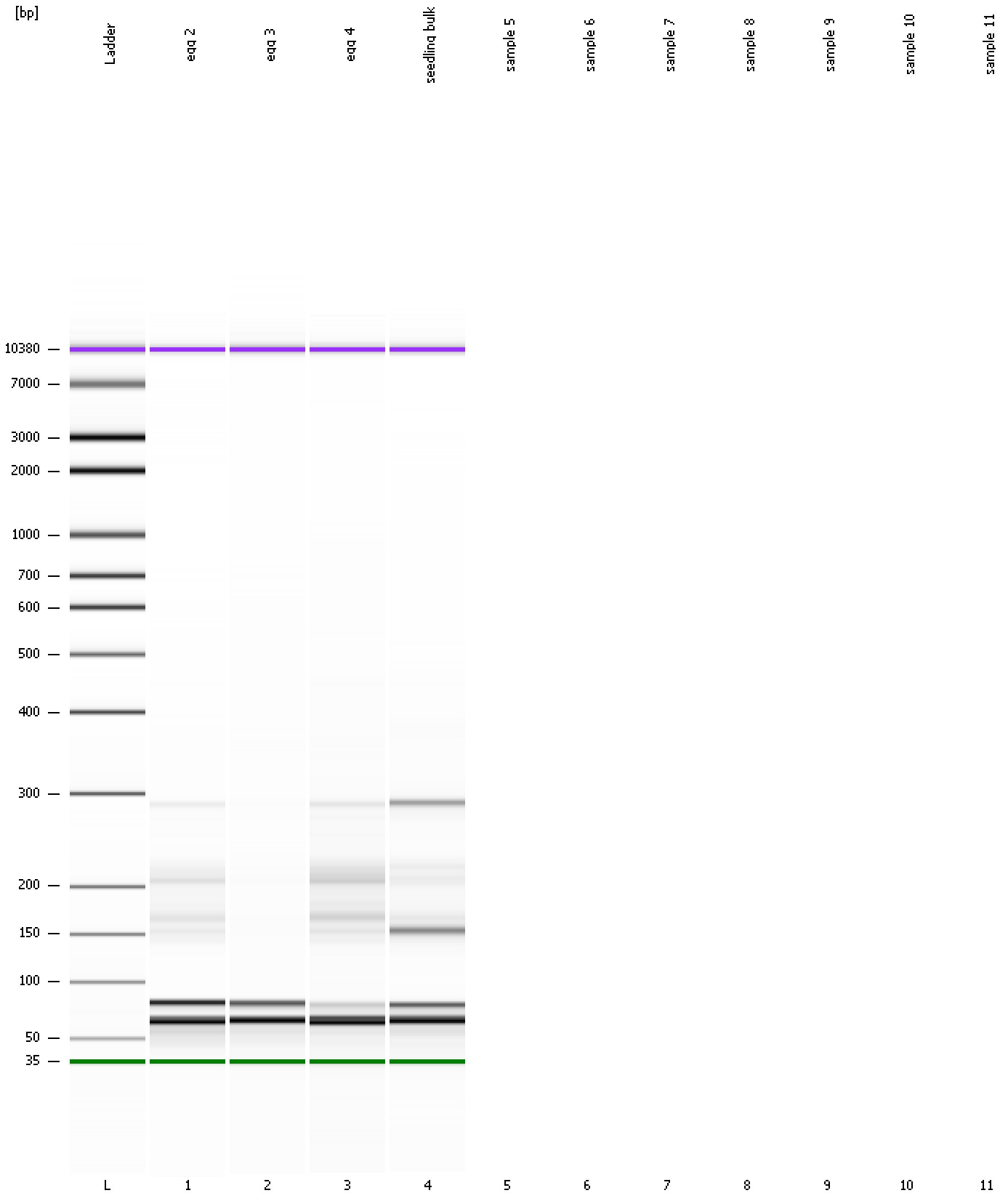
**Region table for sample 4 : seedling bulk**

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	276	224.5	2,539.7	451.91	18	20.3

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-04-27\2017-04-27\_002.xad

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**Gel Image**





Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-04-27\2017-04-27\_002.xad

Created: 4/27/2017 2:49:16 PM  
Modified: 4/27/2017 3:13:07 PM

**Invalid Samples**

Sample 5 has not been run, no results available.

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.