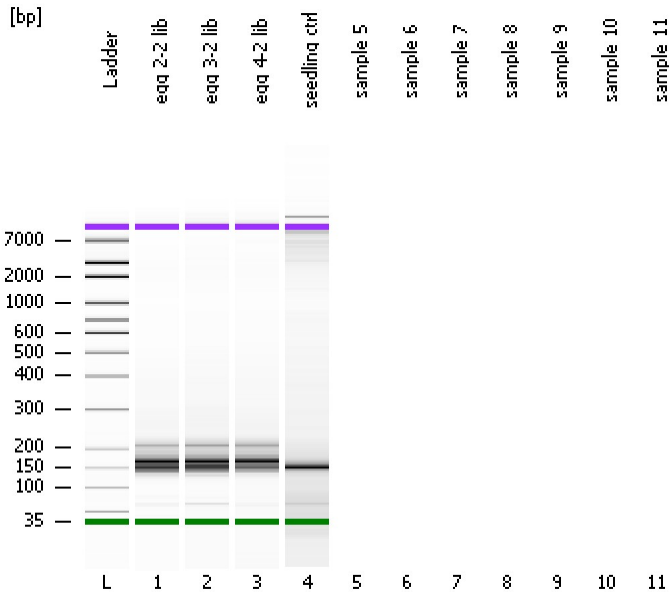


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-03\2017-05-03_001.xad

Created: 5/3/2017 9:26:26 AM
Modified: 5/3/2017 9:47:44 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

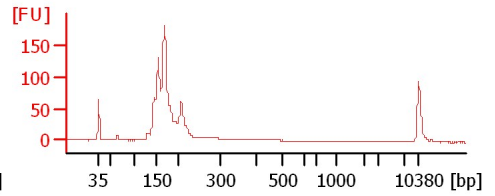
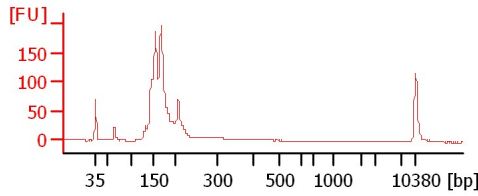
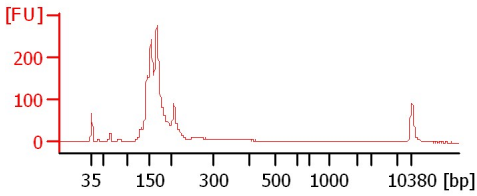
Chip Information:

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

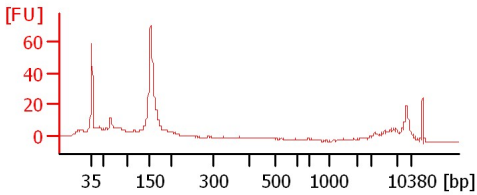
egg 2-2 lib

egg 3-2 lib

egg 4-2 lib



seedling ctrl



Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-03\2017-05-03_001.xad

Created: 5/3/2017 9:26:26 AM
Modified: 5/3/2017 9:47:44 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
egg 2-2 lib		<input type="checkbox"/>	✓			
egg 3-2 lib		<input type="checkbox"/>	✓			
egg 4-2 lib		<input type="checkbox"/>	✓			
seedling ctrl		<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 #

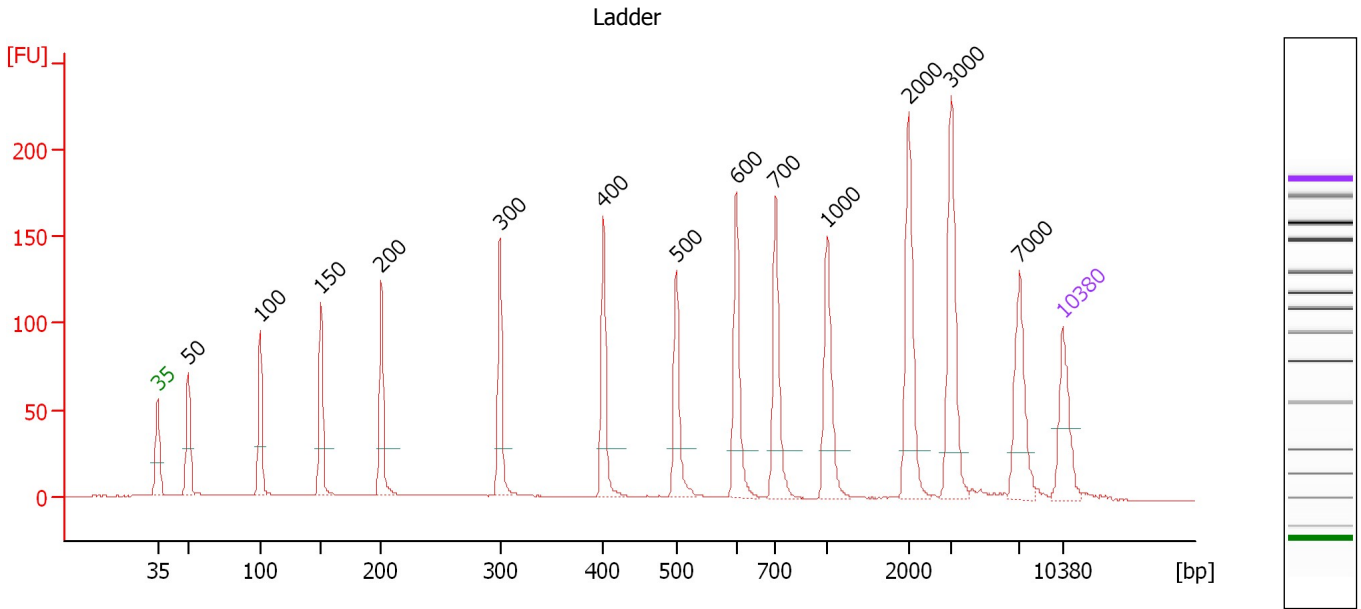
Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-03\2017-05-03_001.xad

Created: 5/3/2017 9:26:26 AM
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Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

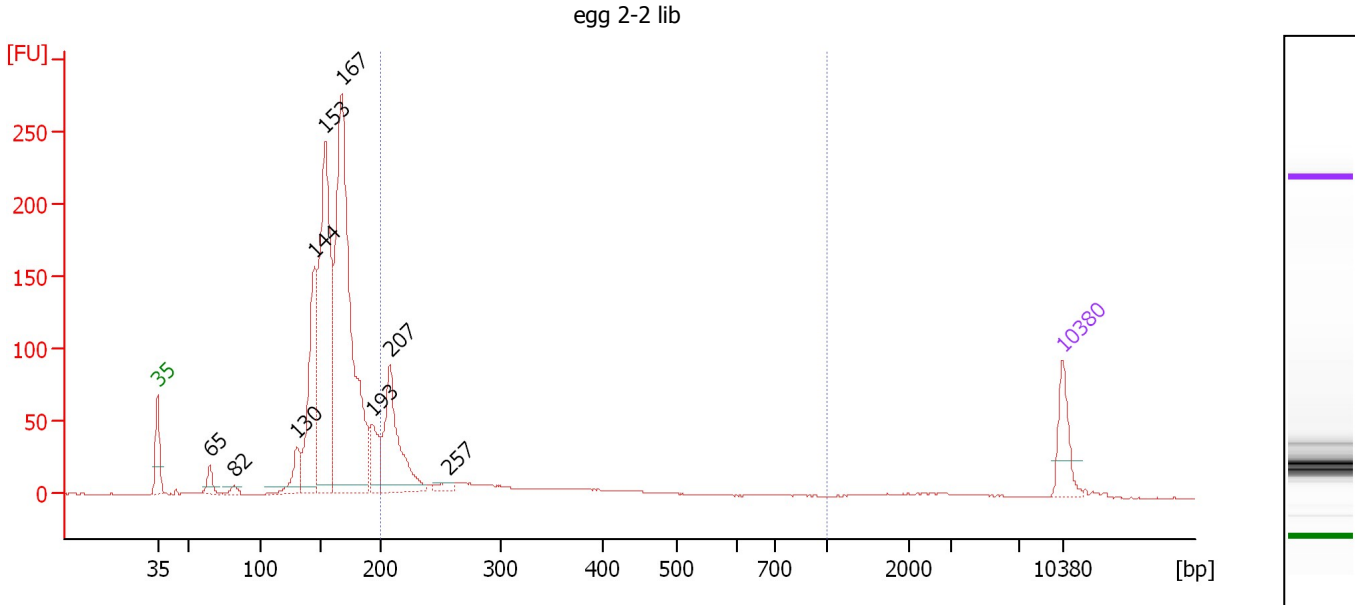
Peak table for Ladder

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	45.40
3	100	150.00	2,272.7	Ladder Peak	50.91
4	150	150.00	1,515.2	Ladder Peak	55.66
5	200	150.00	1,136.4	Ladder Peak	60.32
6	300	150.00	757.6	Ladder Peak	69.50
7	400	150.00	568.2	Ladder Peak	77.50
8	500	150.00	454.5	Ladder Peak	83.11
9	600	150.00	378.8	Ladder Peak	87.77
10	700	150.00	324.7	Ladder Peak	90.80
11	1,000	150.00	227.3	Ladder Peak	94.78
12	2,000	150.00	113.6	Ladder Peak	101.11
13	3,000	150.00	75.8	Ladder Peak	104.36
14	7,000	150.00	32.5	Ladder Peak	109.65
15	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-03\2017-05-03_001.xad

Created: 5/3/2017 9:26:26 AM
 Modified: 5/3/2017 9:47:44 AM

Electropherogram Summary Continued ...



Overall Results for sample 1 : egg 2-2 lib

Number of peaks found: 9 Corr. Area 1: 354.1
 Noise: 0.3

Peak table for sample 1 : egg 2-2 lib

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	65	42.70	996.3		47.04
3	82	17.78	330.1		48.88
4	130	91.32	1,064.9		53.76
5	144	415.88	4,362.4		55.13
6	153	822.40	8,132.6		55.96
7	167	1,245.14	11,294.6		57.25
8	193	110.72	870.6		59.64
9	207	316.82	2,317.8		60.97
10	257	21.31	125.8		65.52
11	10,380	75.00	10.9	Upper Marker	113.00

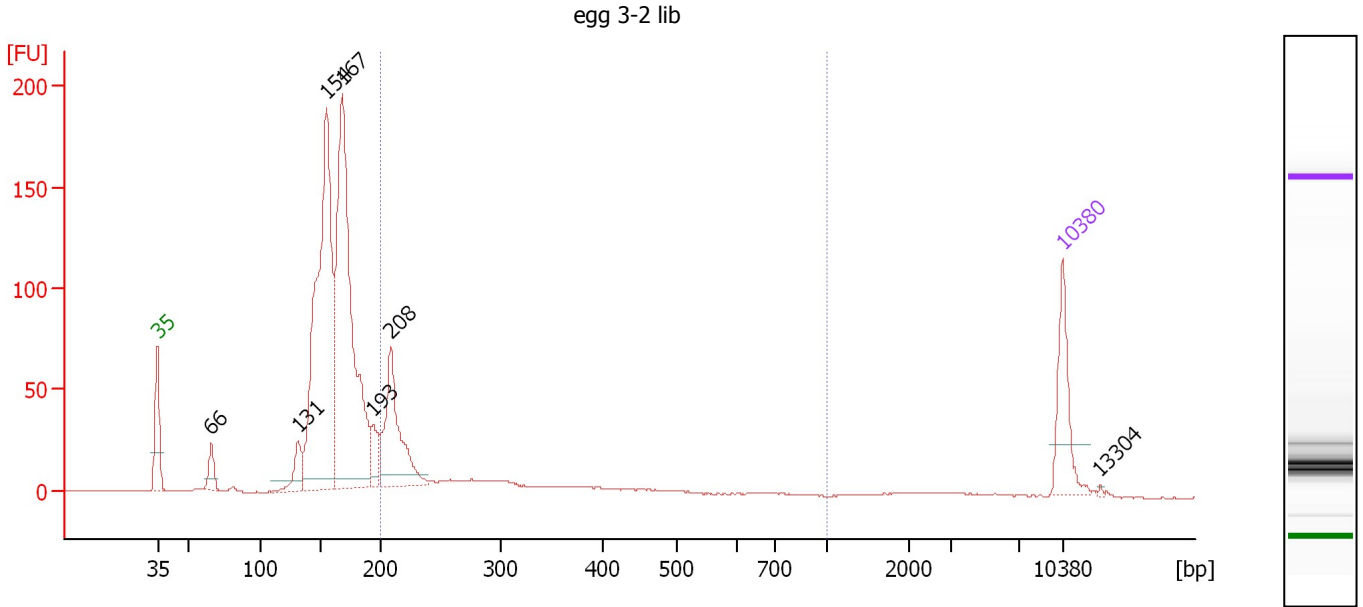
Region table for sample 1 : egg 2-2 lib

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	282	354.1	3,423.6	563.36	19	40.2

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-03\2017-05-03_001.xad

Created: 5/3/2017 9:26:26 AM
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Electropherogram Summary Continued ...



Overall Results for sample 2 : egg 3-2 lib

Number of peaks found: 7 Corr. Area 1: 283.5
 Noise: 0.2

Peak table for sample 2 : egg 3-2 lib

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	66	37.46	860.6		47.16
3	131	54.73	631.8		53.88
4	154	705.44	6,920.7		56.08
5	167	711.95	6,441.0		57.29
6	193	45.60	357.9		59.67
7	208	204.65	1,492.9		61.03
8	10,380	75.00	10.9	Upper Marker	113.00
9	13,304	0.00	0.0		115.90

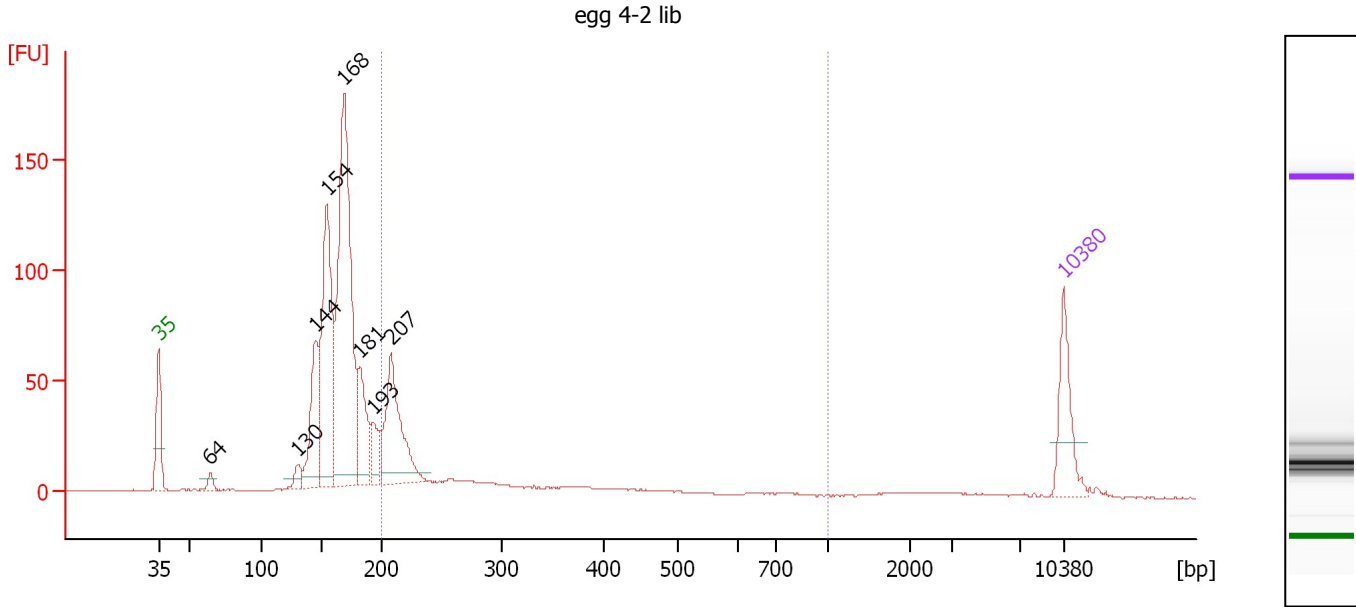
Region table for sample 2 : egg 3-2 lib

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	277	283.5	2,262.0	370.60	21	36.7

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-03\2017-05-03_001.xad

Created: 5/3/2017 9:26:26 AM
 Modified: 5/3/2017 9:47:44 AM

Electropherogram Summary Continued ...



Overall Results for sample 3 : egg 4-2 lib

Number of peaks found: 8 Corr. Area 1: 259.7
 Noise: 0.2

Peak table for sample 3 : egg 4-2 lib

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	64	14.88	350.5		46.98
3	130	25.32	294.2		53.80
4	144	164.09	1,722.4		55.12
5	154	368.84	3,631.4		56.02
6	168	636.49	5,735.8		57.35
7	181	122.09	1,020.1		58.58
8	193	53.57	421.6		59.62
9	207	222.45	1,625.2		61.00
10	10,380	75.00	10.9	Upper Marker	113.00

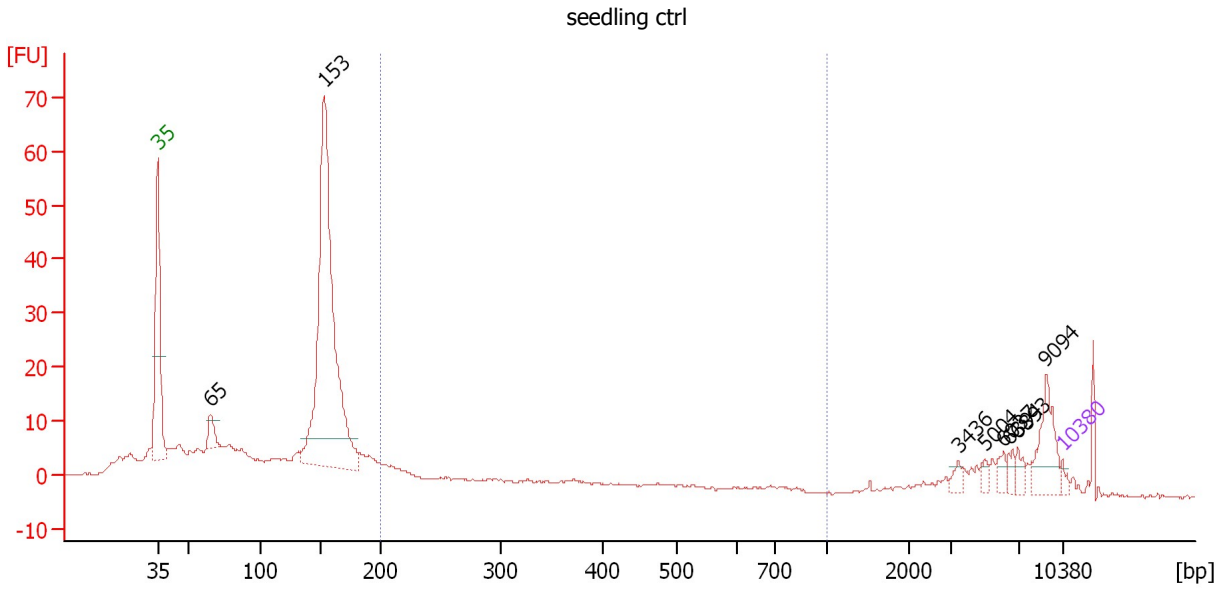
Region table for sample 3 : egg 4-2 lib

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	275	259.7	2,446.2	395.48	23	38.5

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-03\2017-05-03_001.xad

Created: 5/3/2017 9:26:26 AM
 Modified: 5/3/2017 9:47:44 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : seedling ctrl

Number of peaks found: 8 Corr. Area 1: 26.8
 Noise: 0.2

Peak table for sample 4 : seedling ctrl

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	65	471.59	10,917.8		47.10
3	153	9,917.91	98,390.0		55.92
4	3,436	141.60	62.4		104.94
5	5,004	114.06	34.5		107.01
6	6,037	164.39	41.3		108.38
7	6,394	134.54	31.9		108.85
8	6,893	162.73	35.8		109.51
9	9,094	777.55	129.5		111.73
10	10,380	75.00	10.9	Upper Marker	113.00

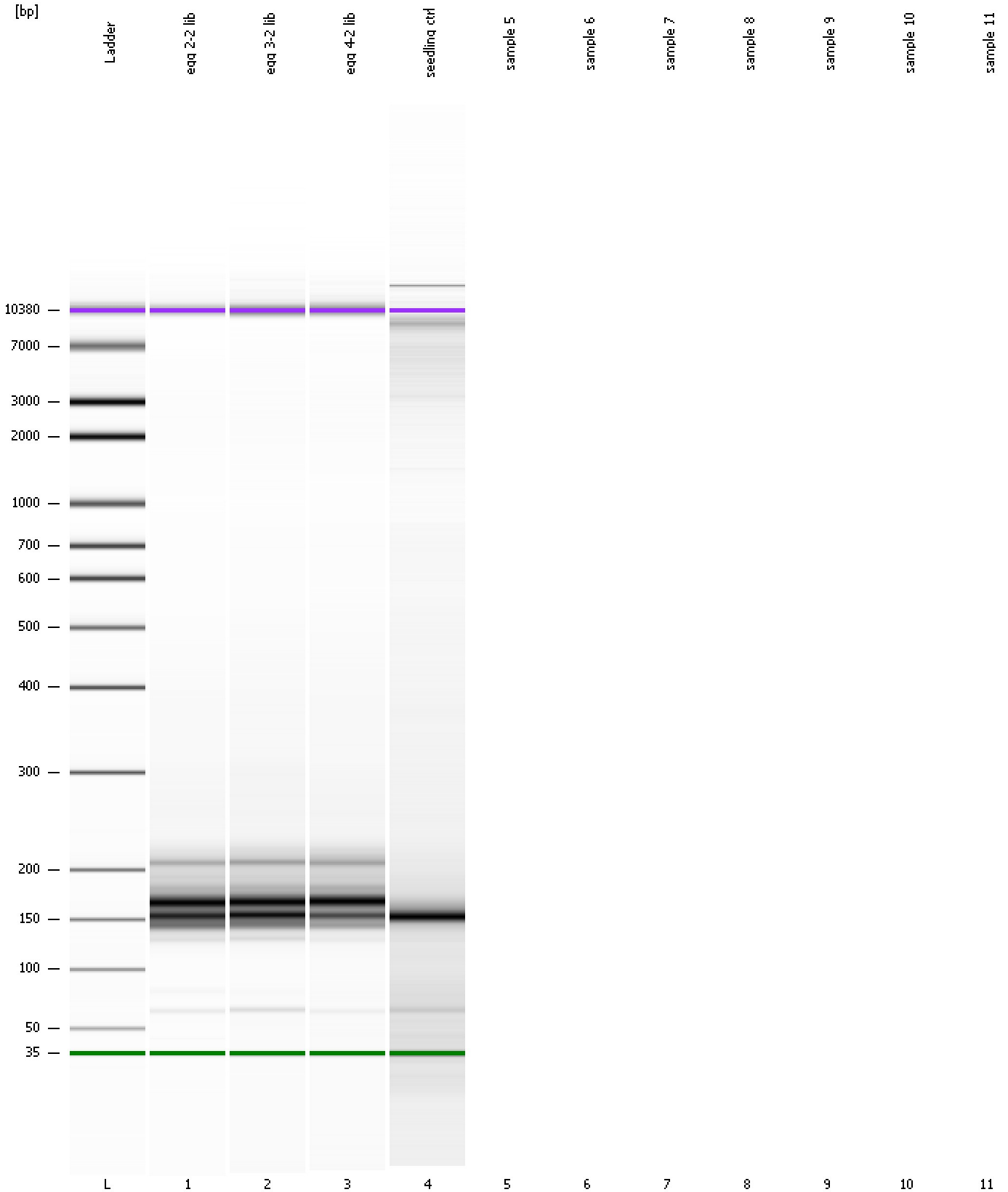
Region table for sample 4 : seedling ctrl

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	300	26.8	7,521.8	1,309.96	6	37.7

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-03\2017-05-03_001.xad

Created: 5/3/2017 9:26:26 AM
Modified: 5/3/2017 9:47:44 AM

Gel Image



Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-03\2017-05-03_001.xad

Created: 5/3/2017 9:26:26 AM
Modified: 5/3/2017 9:47:44 AM

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.