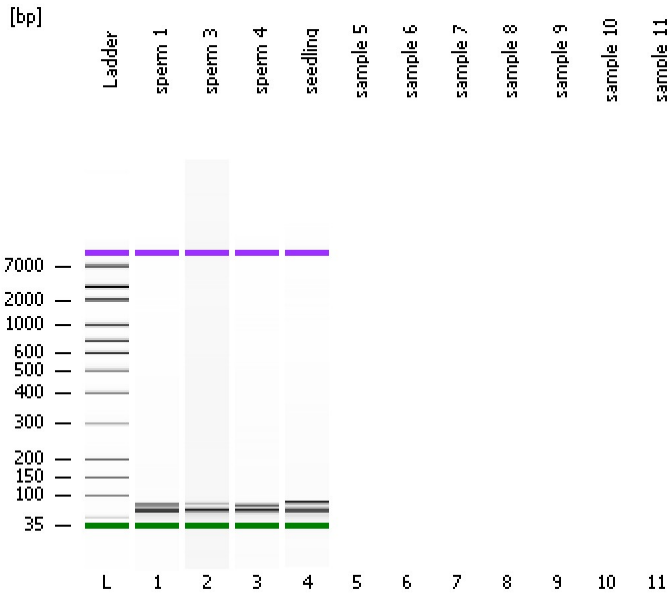


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-02\2017-05-02_003.xad

Created: 5/2/2017 3:33:20 PM
Modified: 5/2/2017 3:54:40 PM

Electrophoresis File Run Summary



Instrument Information:

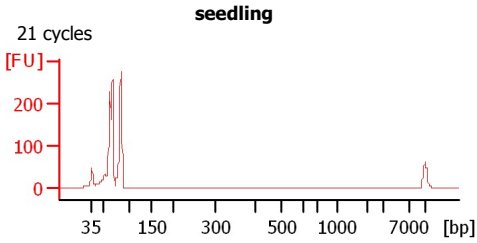
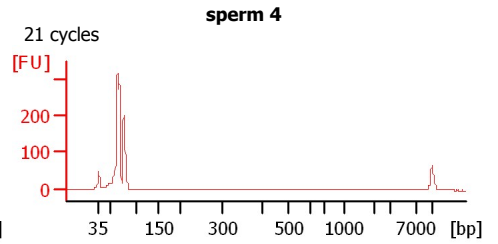
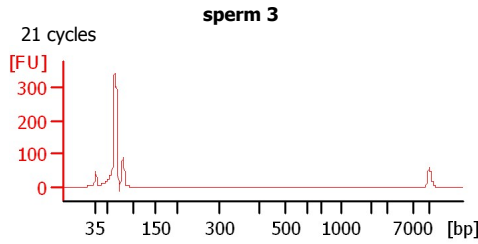
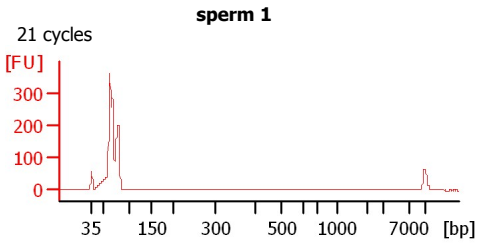
Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

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\2017-05-02\2017-05-02_003.xad

Created: 5/2/2017 3:33:20 PM
Modified: 5/2/2017 3:54:40 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
sperm 1	21 cycles	<input type="checkbox"/>	✓			
sperm 3	21 cycles	<input type="checkbox"/>	✓			
sperm 4	21 cycles	<input type="checkbox"/>	✓			
seedling	21 cycles	<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 #

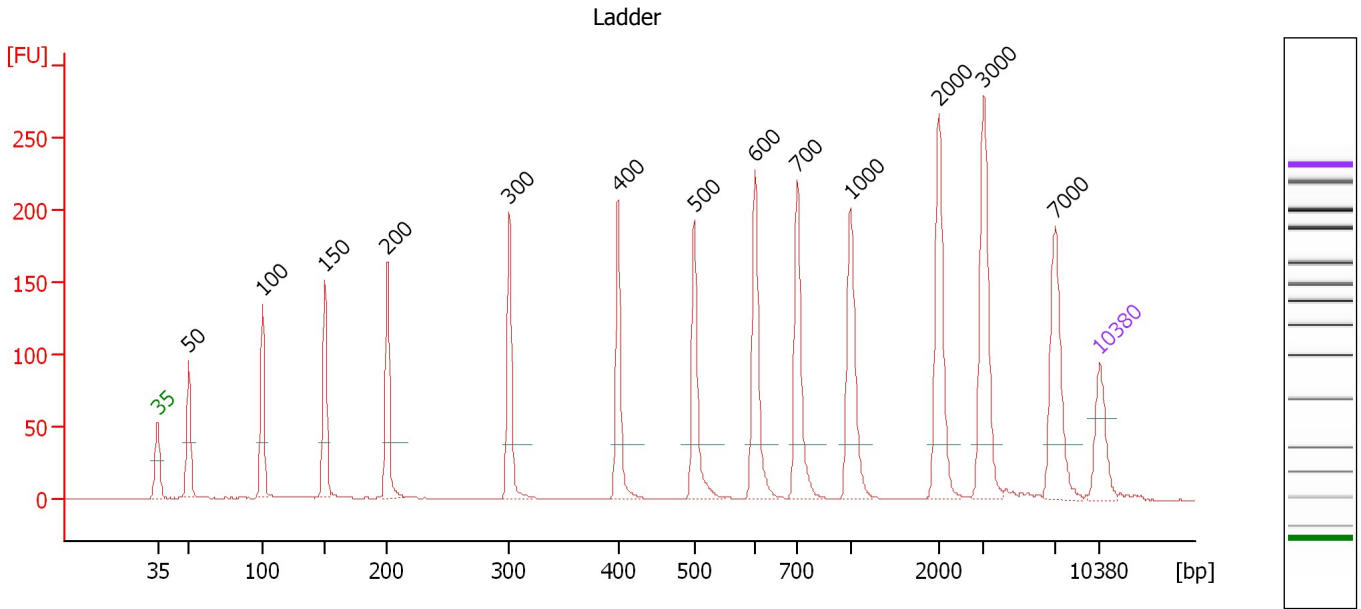
Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-02\2017-05-02_003.xad

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Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

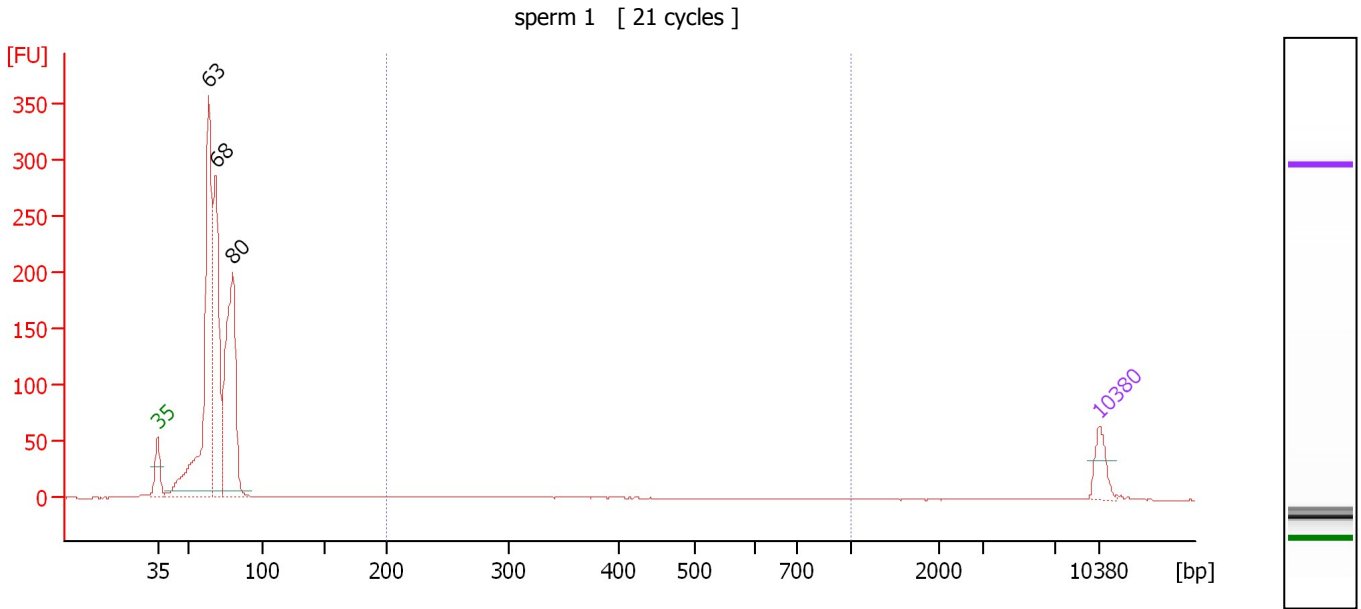
Peak table for Ladder

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	45.32
3	100	150.00	2,272.7	Ladder Peak	50.77
4	150	150.00	1,515.2	Ladder Peak	55.46
5	200	150.00	1,136.4	Ladder Peak	60.04
6	300	150.00	757.6	Ladder Peak	69.12
7	400	150.00	568.2	Ladder Peak	77.23
8	500	150.00	454.5	Ladder Peak	82.88
9	600	150.00	378.8	Ladder Peak	87.37
10	700	150.00	324.7	Ladder Peak	90.55
11	1,000	150.00	227.3	Ladder Peak	94.46
12	2,000	150.00	113.6	Ladder Peak	101.03
13	3,000	150.00	75.8	Ladder Peak	104.36
14	7,000	150.00	32.5	Ladder Peak	109.67
15	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-02\2017-05-02_003.xad

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Electropherogram Summary Continued ...



Overall Results for sample 1 : sperm 1

Number of peaks found: 3 Corr. Area 1: 33.9
 Noise: 0.2

Peak table for sample 1 : sperm 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	63	1,469.85	35,077.1		46.79
3	68	815.21	18,061.3		47.32
4	80	1,028.87	19,495.0		48.59
5	10,380	75.00	10.9	Upper Marker	113.00

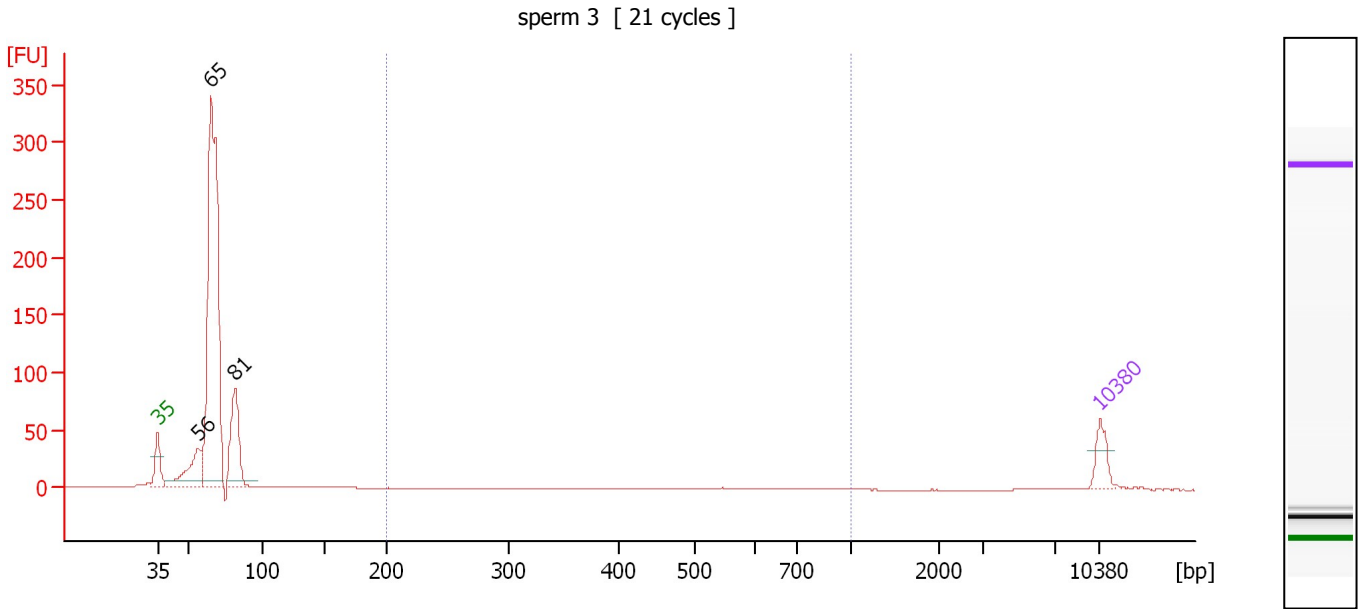
Region table for sample 1 : sperm 1

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	334	33.9	361.3	71.55	3	28.7

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-02\2017-05-02_003.xad

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Electropherogram Summary Continued ...



Overall Results for sample 2 : sperm 3

Number of peaks found: 3 Corr. Area 1: 28.6
 Noise: 0.1

Peak table for sample 2 : sperm 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	56	277.73	7,518.8		45.97
3	65	1,937.61	45,141.6		46.96
4	81	391.94	7,299.1		48.74
5	10,380	75.00	10.9	Upper Marker	113.00

Region table for sample 2 : sperm 3

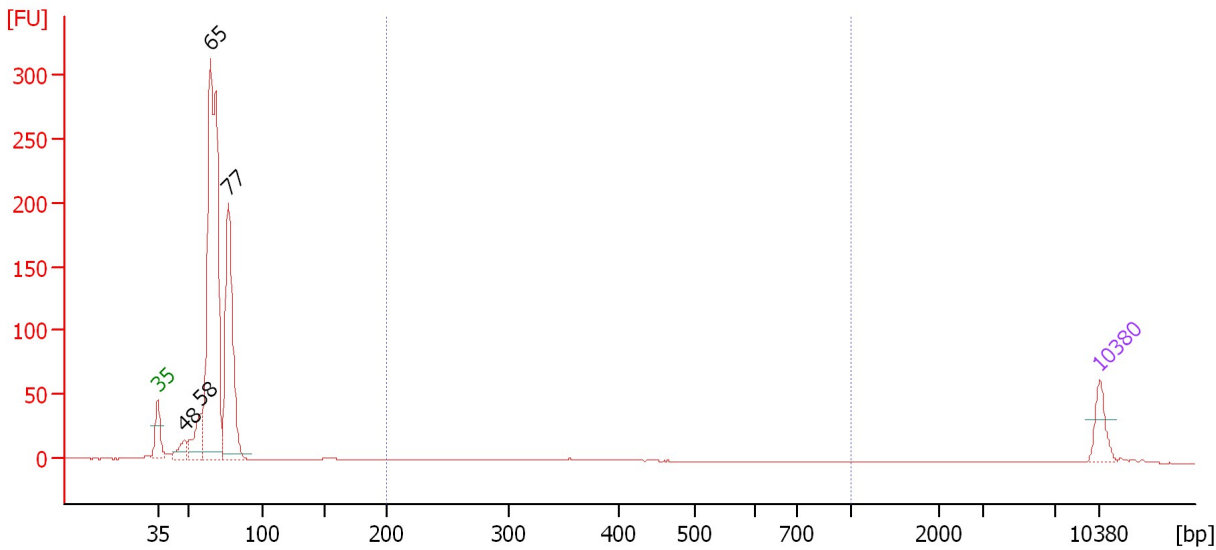
From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	455	28.6	242.3	62.40	3	33.3

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-02\2017-05-02_003.xad

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Electropherogram Summary Continued ...

sperm 4 [21 cycles]



Overall Results for sample 3 : sperm 4

Number of peaks found: 4 Corr. Area 1: 8.2
 Noise: 0.1

Peak table for sample 3 : sperm 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	70.25	2,216.4		45.01
3	58	156.49	4,069.8		46.22
4	65	1,781.29	41,706.5		46.92
5	77	808.44	15,875.5		48.28
6	10,380	75.00	10.9	Upper Marker	113.00

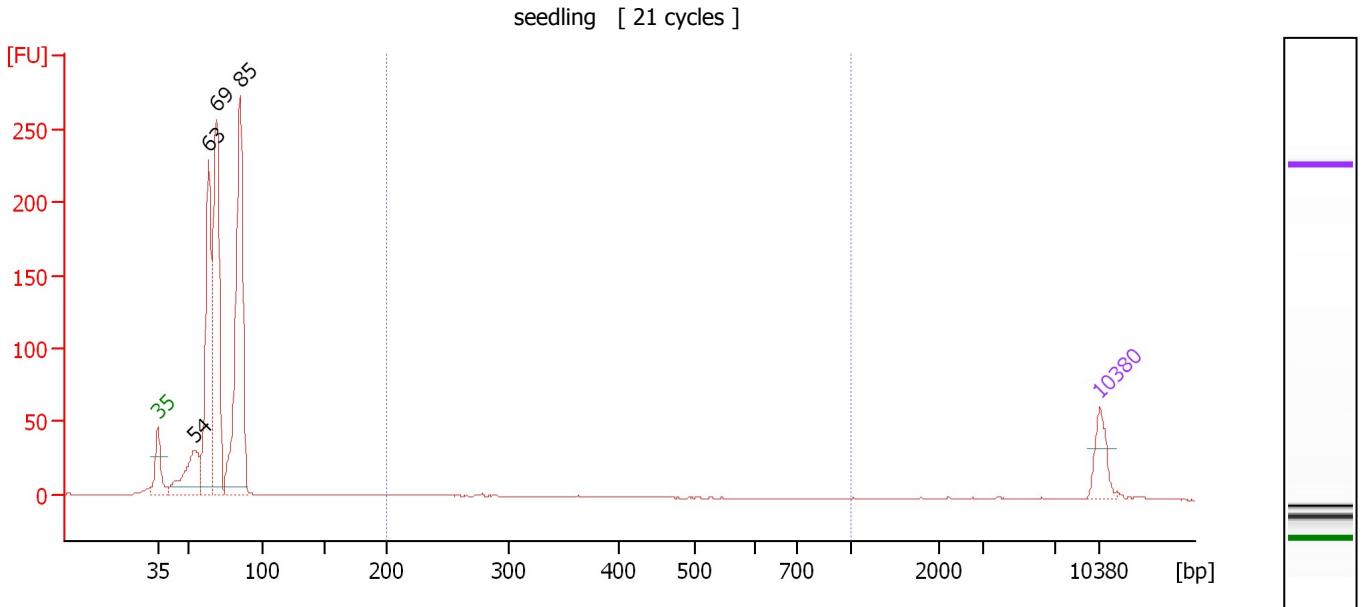
Region table for sample 3 : sperm 4

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	329	8.2	93.4	18.81	1	32.3

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-02\2017-05-02_003.xad

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Electropherogram Summary Continued ...



Overall Results for sample 4 : seedling

Number of peaks found: 4 Corr. Area 1: 9.6
 Noise: 0.1

Peak table for sample 4 : seedling

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	54	256.14	7,175.3		45.76
3	63	708.03	16,902.7		46.79
4	69	742.48	16,281.5		47.40
5	85	990.97	17,753.7		49.09
6	10,380	75.00	10.9	Upper Marker	113.00

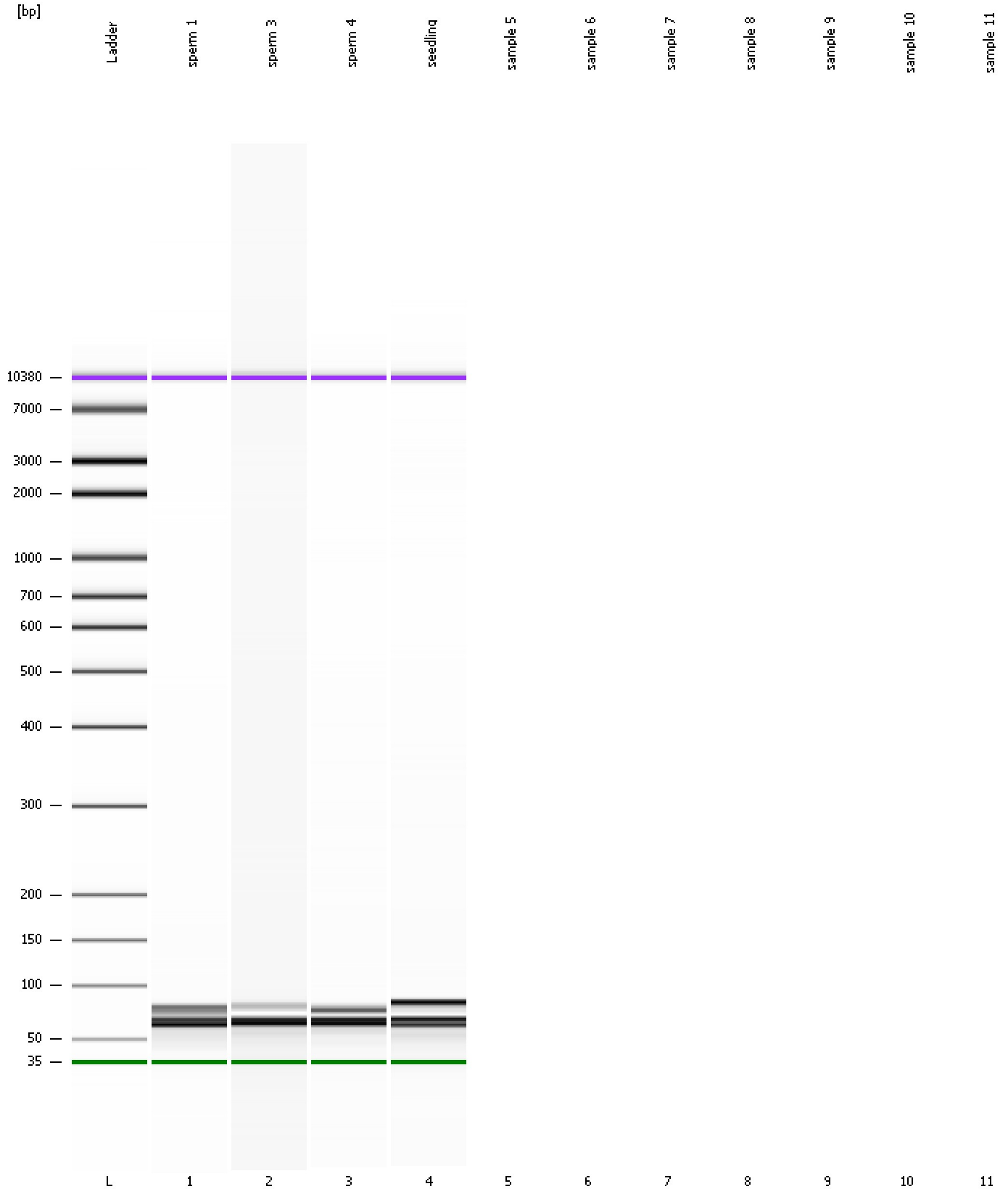
Region table for sample 4 : seedling

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	277	9.6	122.1	21.59	1	18.5

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-02\2017-05-02_003.xad

Created: 5/2/2017 3:33:20 PM
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Gel Image



Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-02\2017-05-02_003.xad

Created: 5/2/2017 3:33:20 PM
Modified: 5/2/2017 3:54:40 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.