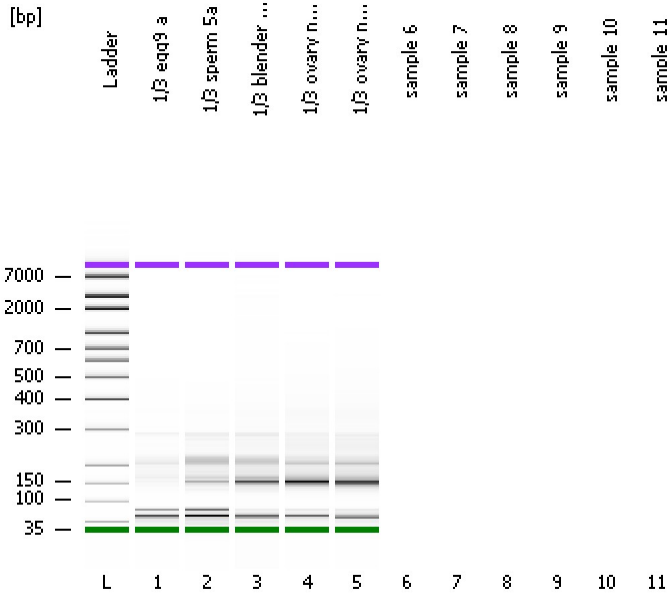


Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-22\2017-08-22_005.xad

Created: 8/22/2017 3:50:22 PM
 Modified: 8/22/2017 4:14:34 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

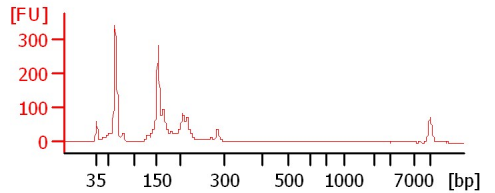
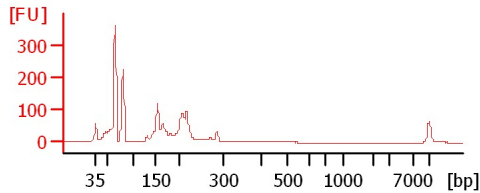
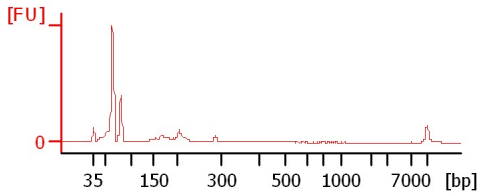
Chip Information:

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

1/3 egg9 a

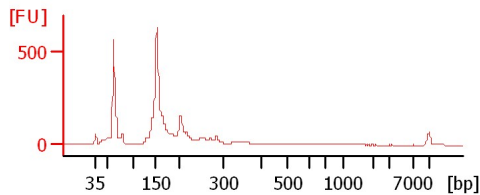
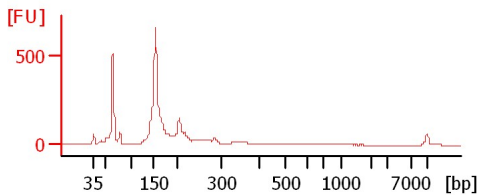
1/3 sperm 5a

1/3 blender sperm1



1/3 ovary no egg 1a

1/3 ovary no egg 1b



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-22\2017-08-22_005.xad

Created: 8/22/2017 3:50:22 PM
 Modified: 8/22/2017 4:14:34 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
1/3 egg9 a		<input type="checkbox"/>	✓			
1/3 sperm 5a		<input type="checkbox"/>	✓			
1/3 blender sperm1		<input type="checkbox"/>	✓			
1/3 ovary no egg 1a		<input type="checkbox"/>	✓			
1/3 ovary no egg 1b		<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\2017-08-22\2017-08-22_005.xad

Created: 8/22/2017 3:50:22 PM
Modified: 8/22/2017 4:14:34 PM

Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 12
Minimum Visible Range [s] : 32
Maximum Visible Range [s] : 138
Start Analysis Time Range [s] : 33
End Analysis Time Range [s] : 137.5
Ladder Concentration [pg/μl] : 1950
Uses Standard Area for Ladder Fragments
Lower Marker Concentration [pg/μl] : 125
Upper Marker Concentration [pg/μl] : 75
Used Upper Marker for Quantitation
Standard Curve Fit is Point to Point
Show Data Aligned to Lower and Upper Marker

Integrator Settings

Integration Start Time [s] : 33.05
Integration End Time [s] : 137
Slope Threshold : 0.8
Height Threshold [FU] : 5
Area Threshold : 0.1
Width Threshold [s] : 0.6
Baseline Plateau [s] : 0.5

Filter Settings

Filter Width [s] : 0.5
Polynomial Order : 4

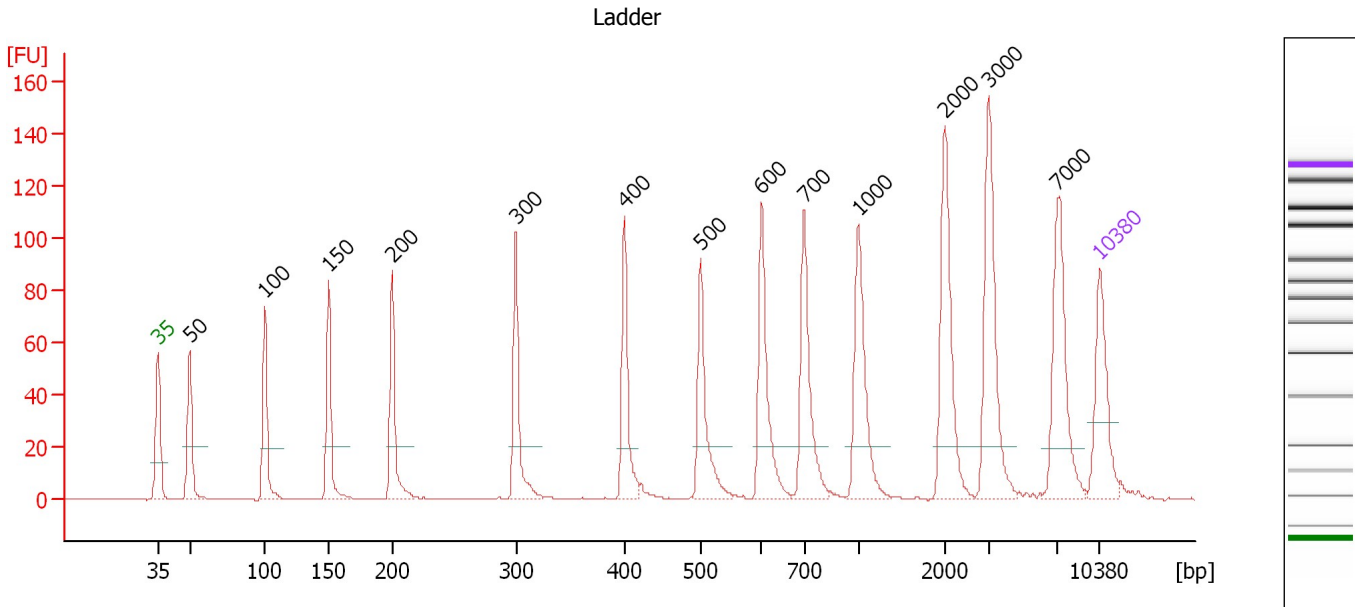
Ladder

Ladder Peak	Size	Area
1	35	160
2	50	210
3	100	208
4	150	221
5	200	242
6	300	270
7	400	305
8	500	306
9	600	336
10	700	321
11	1000	366
12	2000	413
13	3000	411
14	7000	400
15	10380	214

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-22\2017-08-22_005.xad

Created: 8/22/2017 3:50:22 PM
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Electropherogram Summary



Overall Results for Ladder

Noise: 0.1

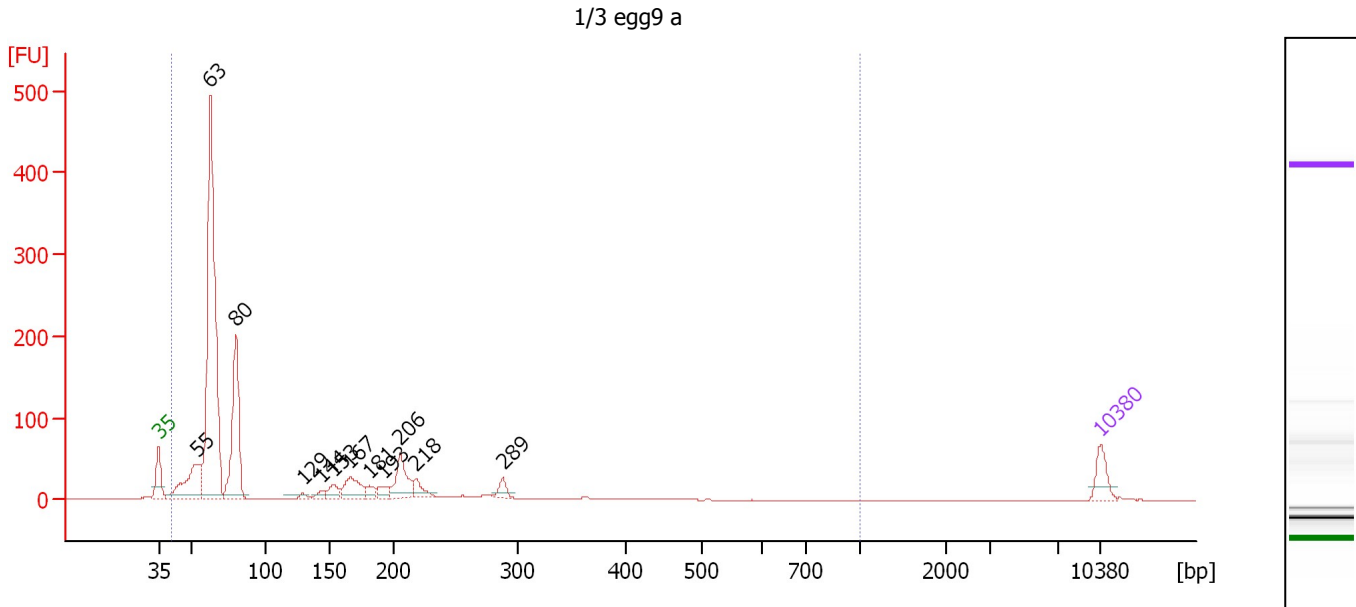
Peak table for Ladder

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	45.38
3	100	150.00	2,272.7	Ladder Peak	50.98
4	150	150.00	1,515.2	Ladder Peak	55.68
5	200	150.00	1,136.4	Ladder Peak	60.39
6	300	150.00	757.6	Ladder Peak	69.60
7	400	150.00	568.2	Ladder Peak	77.68
8	500	150.00	454.5	Ladder Peak	83.38
9	600	150.00	378.8	Ladder Peak	87.88
10	700	150.00	324.7	Ladder Peak	91.05
11	1,000	150.00	227.3	Ladder Peak	95.07
12	2,000	150.00	113.6	Ladder Peak	101.51
13	3,000	150.00	75.8	Ladder Peak	104.73
14	7,000	150.00	32.5	Ladder Peak	109.88
15	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-22\2017-08-22_005.xad

Created: 8/22/2017 3:50:22 PM
 Modified: 8/22/2017 4:14:34 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : 1/3 egg9 a

Number of peaks found: 12 Corr. Area 1: 1,471.4
 Noise: 0.1

Peak table for sample 1 : 1/3 egg9 a

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	55	365.19	10,043.9		45.95
3	63	1,883.85	45,217.8		46.85
4	80	669.35	12,664.0		48.75
5	129	20.82	244.8		53.69
6	144	32.11	337.3		55.14
7	153	66.57	658.1		55.99
8	167	154.38	1,404.4		57.24
9	181	47.13	393.7		58.64
10	193	46.17	363.3		59.69
11	206	199.35	1,466.6		60.94
12	218	71.12	493.4		62.09
13	289	50.62	265.4		68.58
14	10,380	75.00	10.9	Upper Marker	113.00

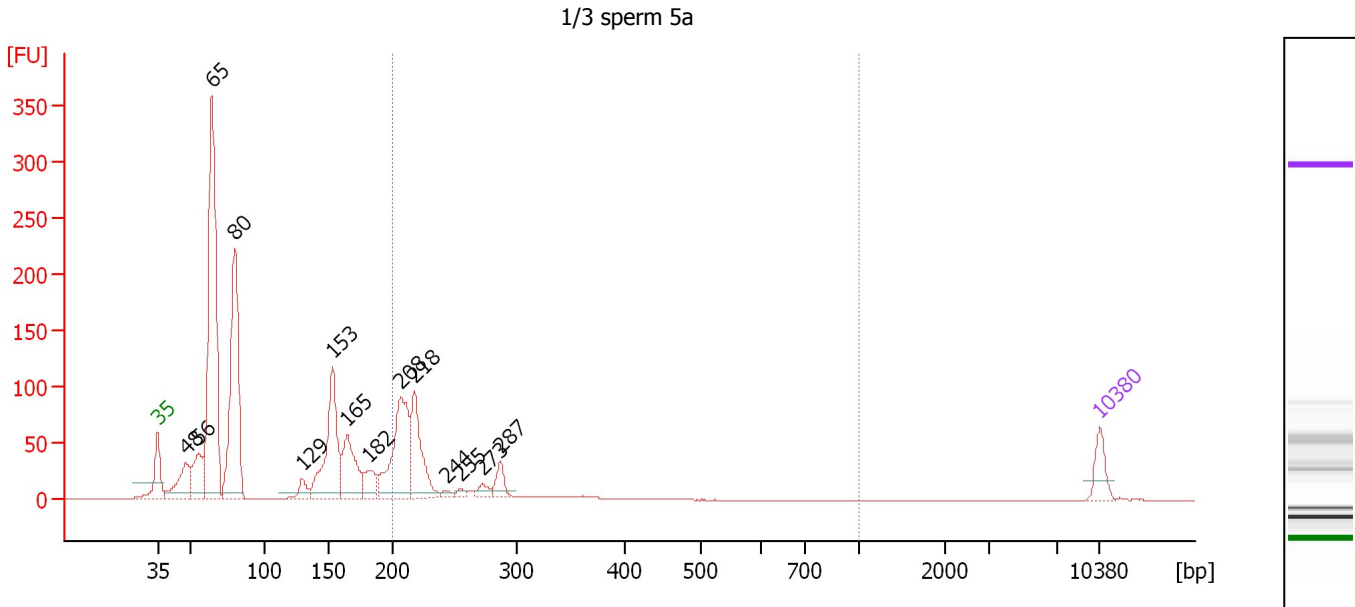
Region table for sample 1 : 1/3 egg9 a

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
41	1,000	113	1,471.4	75,147.7	3,844.48	99	70.4

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-22\2017-08-22_005.xad

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Electropherogram Summary Continued ...



Overall Results for sample 2 : 1/3 sperm 5a

Number of peaks found: 14 Corr. Area 1: 438.5
 Noise: 0.1

Peak table for sample 2 : 1/3 sperm 5a

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	236.66	7,418.9		45.11
3	56	227.04	6,172.5		46.02
4	65	1,543.14	36,126.7		47.03
5	80	920.56	17,434.5		48.74
6	129	72.60	851.8		53.72
7	153	560.17	5,540.1		55.98
8	165	313.23	2,877.0		57.09
9	182	106.55	886.7		58.70
10	208	538.05	3,921.2		61.12
11	218	348.92	2,422.0		62.07
12	244	17.79	110.2		64.49
13	255	21.45	127.2		65.49
14	273	40.01	221.7		67.16
15	287	74.70	394.3		68.41
16	10,380	75.00	10.9	Upper Marker	113.00

Region table for sample 2 : 1/3 sperm 5a

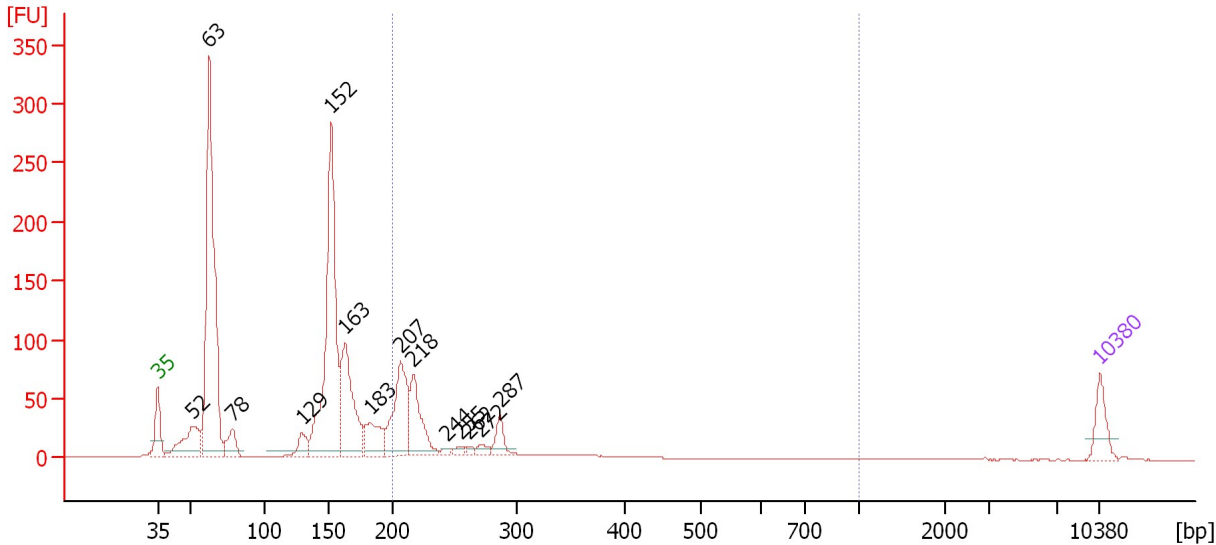
From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	240	438.5	7,074.9	1,091.88	23	20.2

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-22\2017-08-22_005.xad

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Electropherogram Summary Continued ...

1/3 blender sperm1



Overall Results for sample 3 : 1/3 blender sperm1

Number of peaks found: 14 Corr. Area 1: 393.5
 Noise: 0.2

Peak table for sample 3 : 1/3 blender sperm1

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	52	232.57	6,719.8		45.65
3	63	1,328.26	31,988.5		46.82
4	78	106.24	2,053.3		48.56
5	129	83.93	985.7		53.71
6	152	1,089.13	10,835.1		55.90
7	163	440.45	4,090.8		56.92
8	183	153.80	1,275.9		58.75
9	207	361.19	2,641.8		61.05
10	218	236.90	1,649.0		62.02
11	244	16.53	102.8		64.41
12	255	21.52	127.7		65.48
13	262	14.35	83.0		66.10
14	272	28.10	156.3		67.06
15	287	72.29	381.1		68.44
16	10,380	75.00	10.9	Upper Marker	113.00

Region table for sample 3 : 1/3 blender sperm1

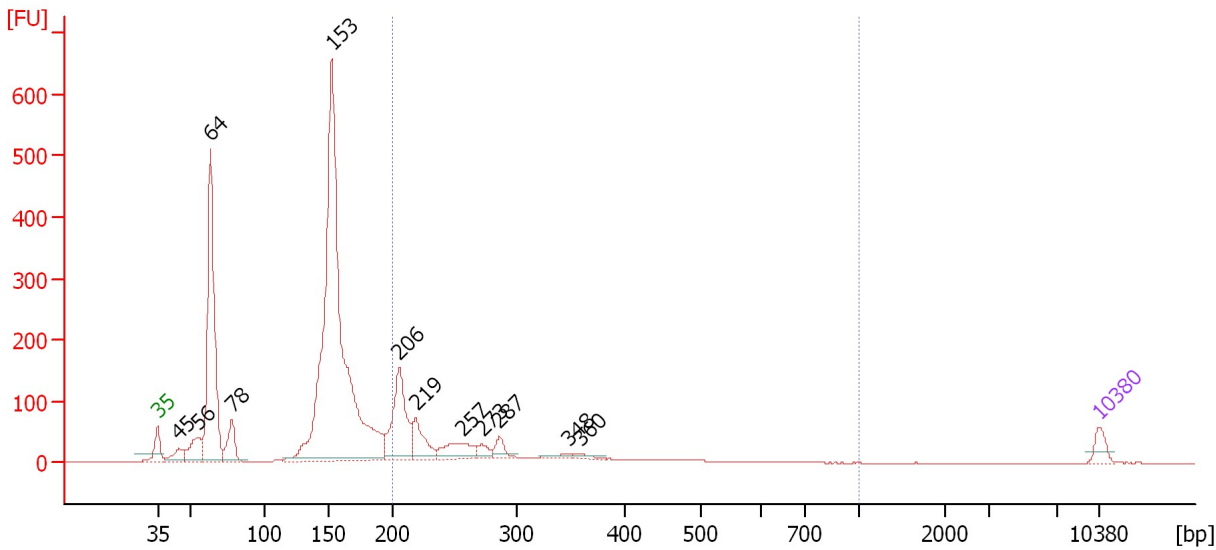
From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	249	393.5	5,469.7	863.24	22	25.5

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-22\2017-08-22_005.xad

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Electropherogram Summary Continued ...

1/3 ovary no egg 1a



Overall Results for sample 4 : 1/3 ovary no egg 1a

Number of peaks found: 12 Corr. Area 1: 808.4
 Noise: 0.1

Peak table for sample 4 : 1/3 ovary no egg 1a

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	45	144.53	4,851.2		44.61
3	56	282.25	7,688.4		46.01
4	64	1,902.39	45,066.7		46.94
5	78	278.11	5,412.5		48.50
6	153	4,914.03	48,669.0		55.96
7	206	735.93	5,413.0		60.94
8	219	284.69	1,965.2		62.19
9	257	244.32	1,442.4		65.61
10	273	71.94	399.3		67.11
11	287	93.66	494.4		68.41
12	348	30.54	132.9		73.49
13	360	28.48	119.8		74.47
14	10,380	75.00	10.9	Upper Marker	113.00

Region table for sample 4 : 1/3 ovary no egg 1a

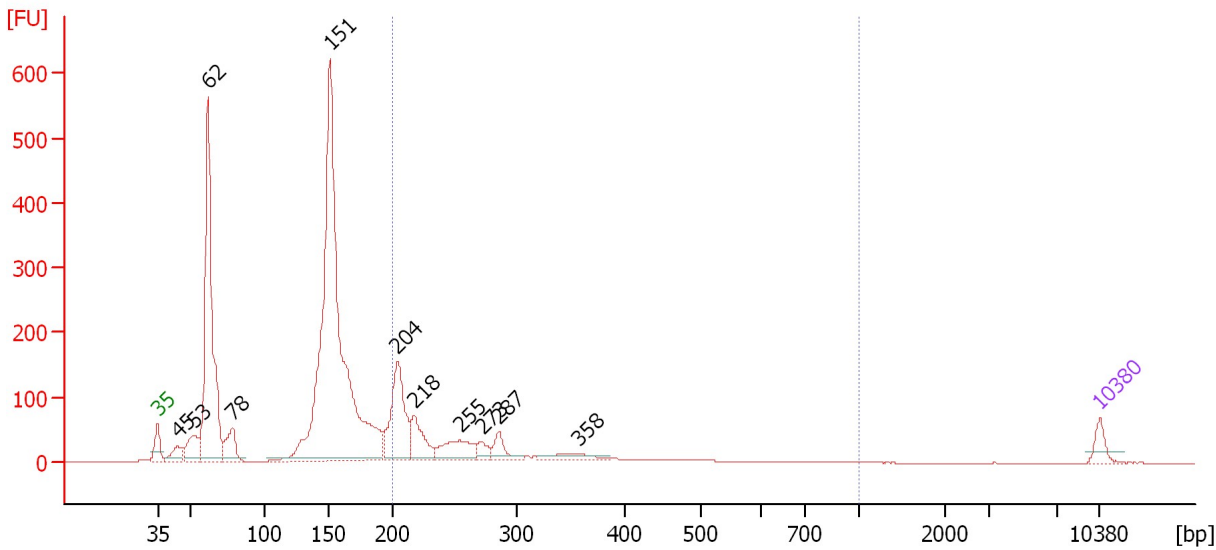
From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	280	808.4	11,796.6	1,971.92	23	36.1

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-22\2017-08-22_005.xad

Created: 8/22/2017 3:50:22 PM
 Modified: 8/22/2017 4:14:34 PM

Electropherogram Summary Continued ...

1/3 ovary no egg 1b



Overall Results for sample 5 : 1/3 ovary no egg 1b

Number of peaks found: 11 Corr. Area 1: 810.2
 Noise: 0.2

Peak table for sample 5 : 1/3 ovary no egg 1b

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	45	141.96	4,822.8		44.52
3	53	263.45	7,512.8		45.73
4	62	2,084.10	50,900.4		46.73
5	78	241.73	4,669.1		48.56
6	151	4,473.06	44,797.3		55.80
7	204	723.79	5,366.7		60.79
8	218	289.25	2,010.3		62.05
9	255	281.19	1,670.6		65.46
10	273	89.85	499.3		67.09
11	287	135.45	715.3		68.40
12	358	89.20	377.7		74.27
13	10,380	75.00	10.9	Upper Marker	113.00

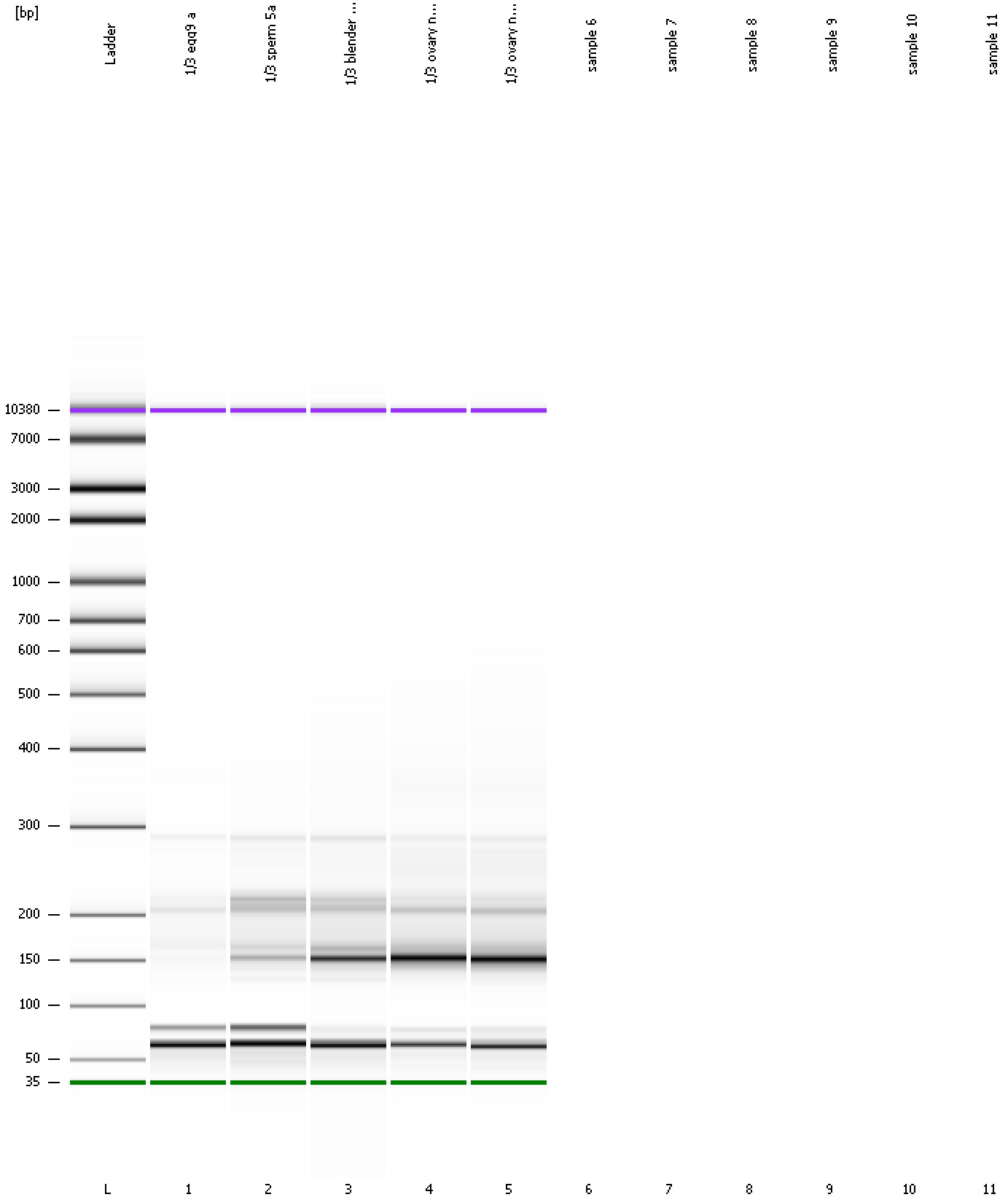
Region table for sample 5 : 1/3 ovary no egg 1b

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	278	810.2	11,079.0	1,843.77	23	35.9

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-22\2017-08-22_005.xad

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Gel Image



Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-22\2017-08-22_005.xad

Created: 8/22/2017 3:50:22 PM
Modified: 8/22/2017 4:14:34 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.