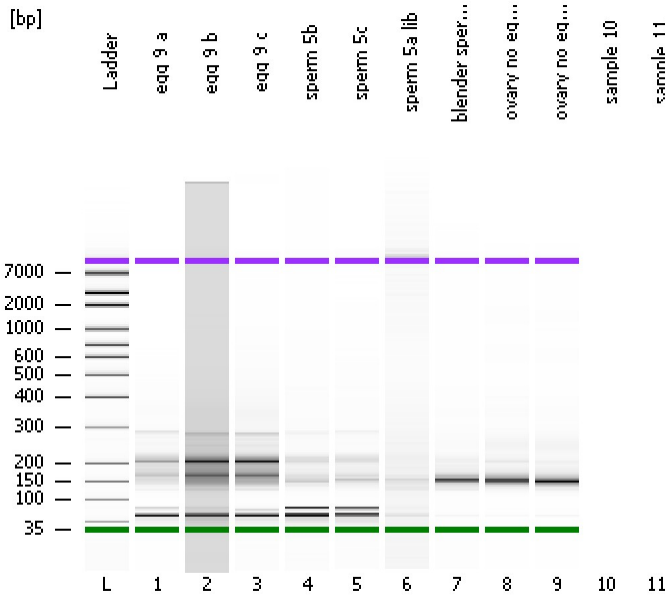


Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-24\2017-08-24_004.xad

Created: 8/24/2017 2:45:51 PM
 Modified: 8/24/2017 3:21:31 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

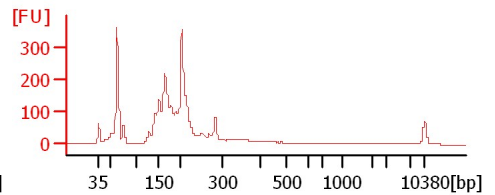
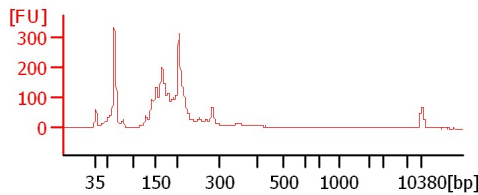
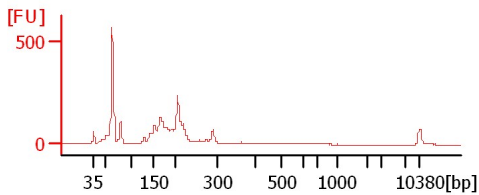
Chip Information:

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

egg 9 a

egg 9 b

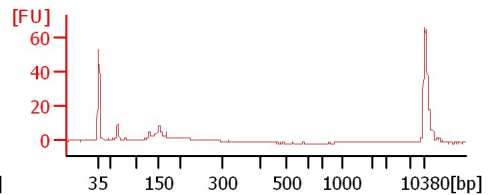
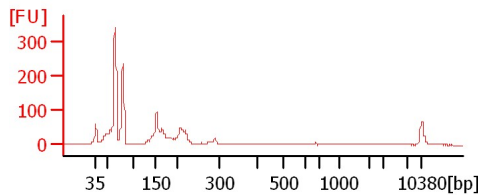
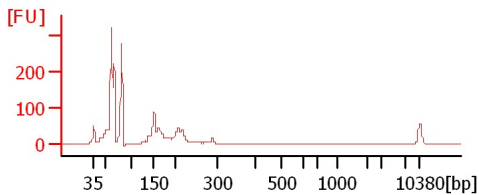
egg 9 c



sperm 5b

sperm 5c

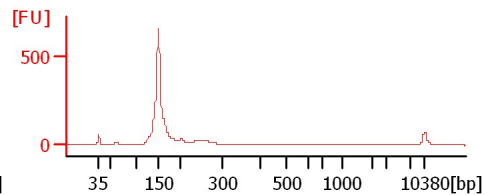
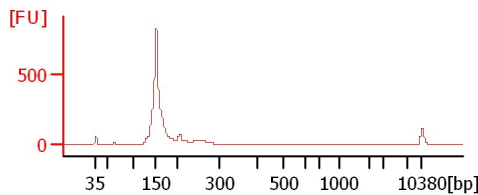
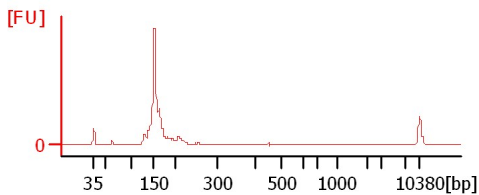
sperm 5a lib



blender sperm 1 lib

ovary no egg 1a

ovary no egg 1b



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-24\2017-08-24_004.xad

Created: 8/24/2017 2:45:51 PM
 Modified: 8/24/2017 3:21:31 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
egg 9 a		<input type="checkbox"/>	✓			
egg 9 b		<input type="checkbox"/>	✓			
egg 9 c		<input type="checkbox"/>	✓			
sperm 5b		<input type="checkbox"/>	✓			
sperm 5c		<input type="checkbox"/>	✓			
sperm 5a lib		<input type="checkbox"/>	✓			
blender sperm 1 lib		<input type="checkbox"/>	✓			
ovary no egg 1a		<input type="checkbox"/>	✓			
ovary no egg 1b		<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\2017-08-24\2017-08-24_004.xad

Created: 8/24/2017 2:45:51 PM
Modified: 8/24/2017 3:21:31 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

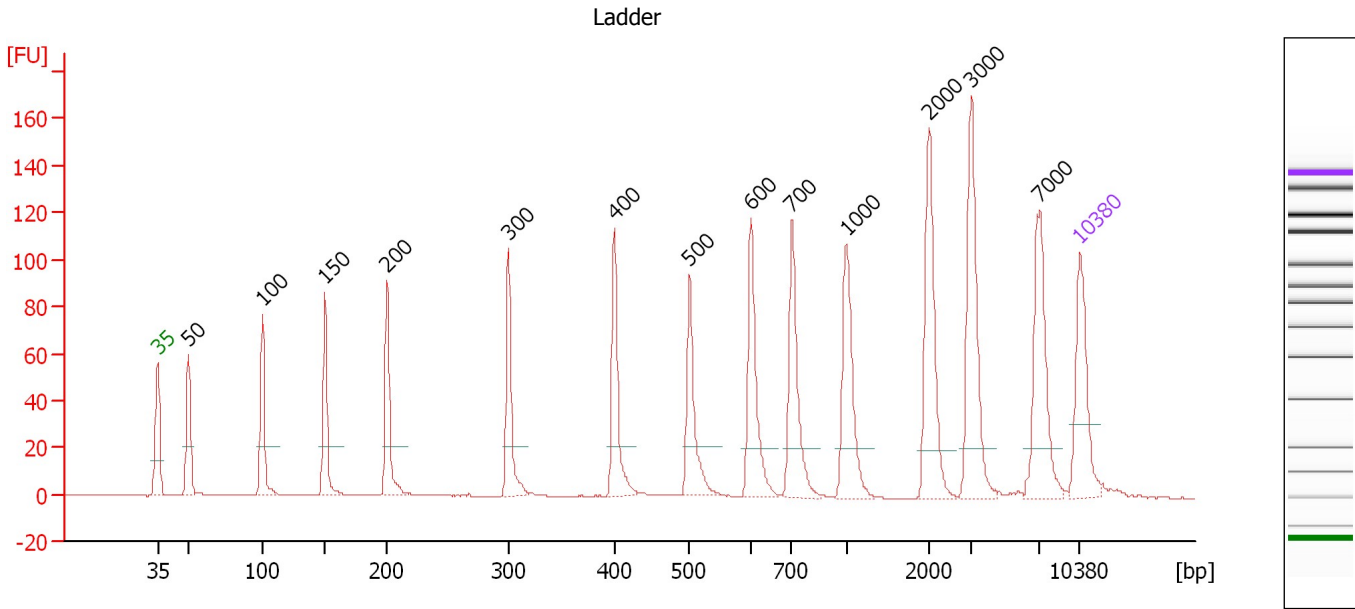
Ladder

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\2017-08-24\2017-08-24_004.xad

Created: 8/24/2017 2:45:51 PM
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Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

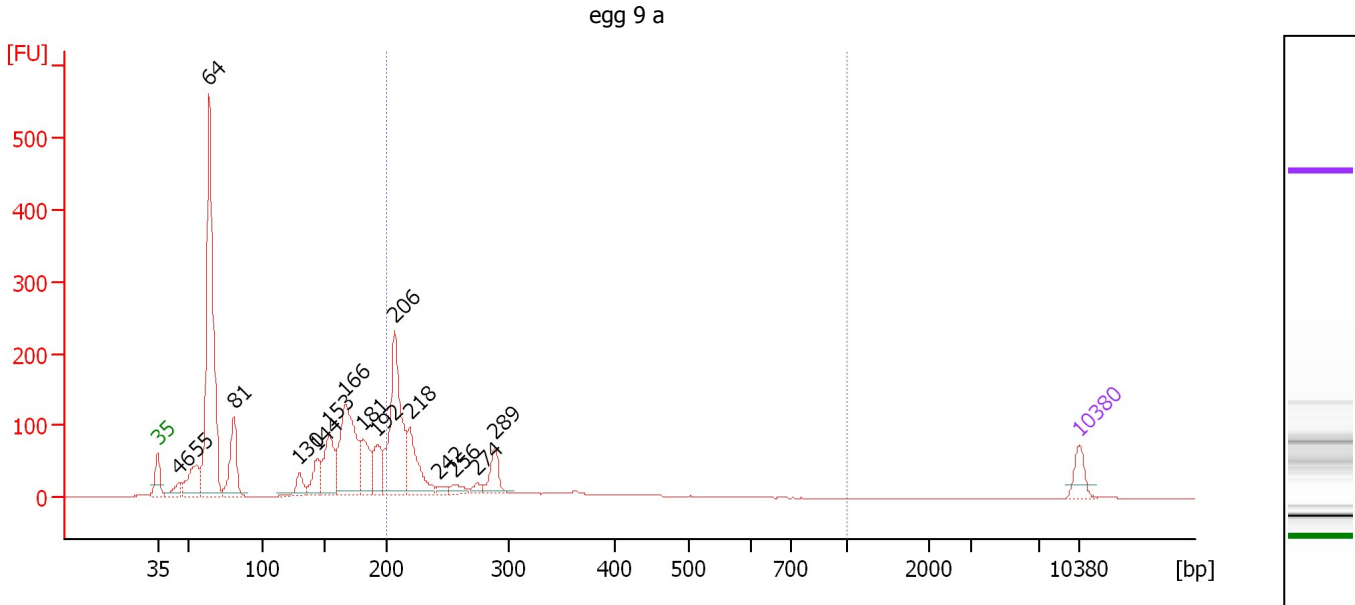
Peak table for Ladder

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	45.35
3	100	150.00	2,272.7	Ladder Peak	50.94
4	150	150.00	1,515.2	Ladder Peak	55.69
5	200	150.00	1,136.4	Ladder Peak	60.44
6	300	150.00	757.6	Ladder Peak	69.66
7	400	150.00	568.2	Ladder Peak	77.65
8	500	150.00	454.5	Ladder Peak	83.38
9	600	150.00	378.8	Ladder Peak	88.04
10	700	150.00	324.7	Ladder Peak	91.14
11	1,000	150.00	227.3	Ladder Peak	95.28
12	2,000	150.00	113.6	Ladder Peak	101.53
13	3,000	150.00	75.8	Ladder Peak	104.77
14	7,000	150.00	32.5	Ladder Peak	109.94
15	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-24\2017-08-24_004.xad

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Electropherogram Summary Continued ...



Overall Results for sample 1 : egg 9 a

Number of peaks found: 16 Corr. Area 1: 809.3
 Noise: 0.2

Peak table for sample 1 : egg 9 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	46	79.74	2,650.7		44.66
3	55	263.47	7,227.2		45.94
4	64	1,834.02	43,334.3		46.93
5	81	364.65	6,851.9		48.78
6	130	98.23	1,148.9		53.75
7	144	168.00	1,767.5		55.12
8	153	334.18	3,298.8		56.02
9	166	731.86	6,661.7		57.26
10	181	265.08	2,220.0		58.63
11	192	201.61	1,591.9		59.67
12	206	801.88	5,896.9		61.00
13	218	313.10	2,172.5		62.13
14	242	31.74	199.1		64.27
15	256	50.28	297.7		65.59
16	274	32.98	182.4		67.25
17	289	147.44	773.6		68.62
18	10,380	75.00	10.9	Upper Marker	113.00

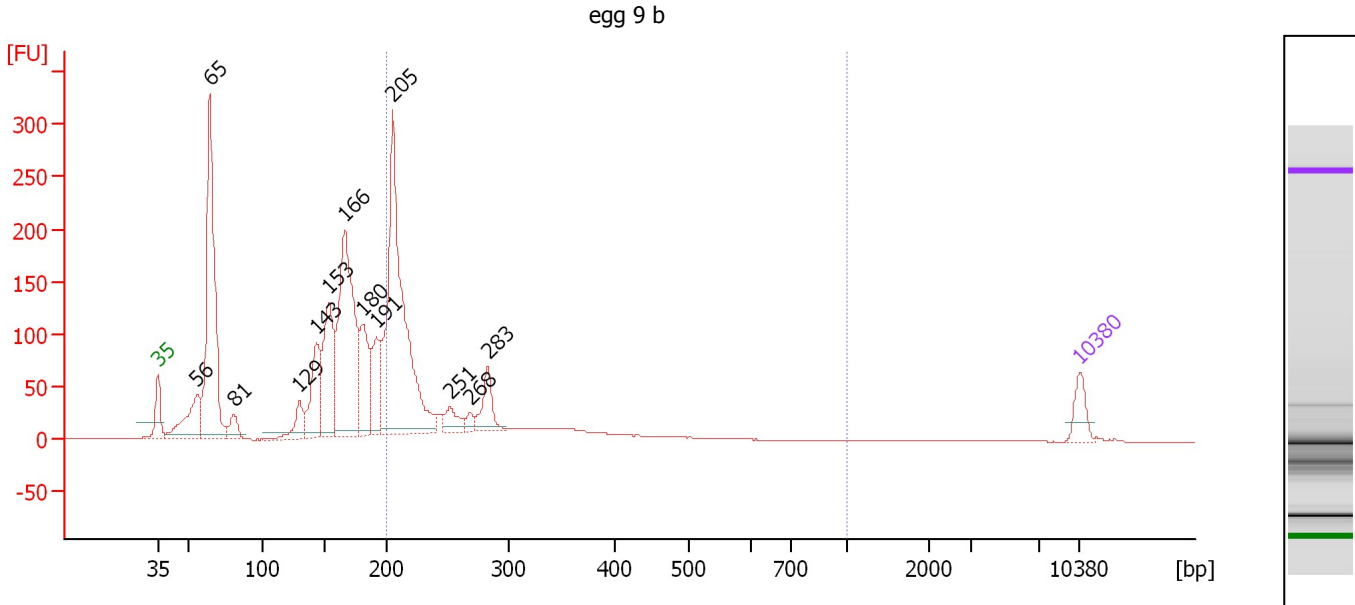
Region table for sample 1 : egg 9 a

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	255	809.3	10,561.5	1,673.88	30	29.6

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-24\2017-08-24_004.xad

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Electropherogram Summary Continued ...



Overall Results for sample 2 : egg 9 b

Number of peaks found: 13 Corr. Area 1: 1,075.7
 Noise: 0.2

Peak table for sample 2 : egg 9 b

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	328.40	8,892.9		46.02
3	65	1,284.77	30,175.5		46.97
4	81	94.78	1,777.9		48.79
5	129	141.26	1,655.6		53.73
6	143	338.99	3,582.0		55.07
7	153	529.34	5,243.0		55.98
8	166	1,095.55	10,025.1		57.17
9	180	374.27	3,146.9		58.56
10	191	251.12	1,989.0		59.61
11	205	1,566.89	11,607.2		60.86
12	251	91.58	552.2		65.17
13	268	39.04	220.8		66.70
14	283	157.02	840.7		68.09
15	10,380	75.00	10.9	Upper Marker	113.00

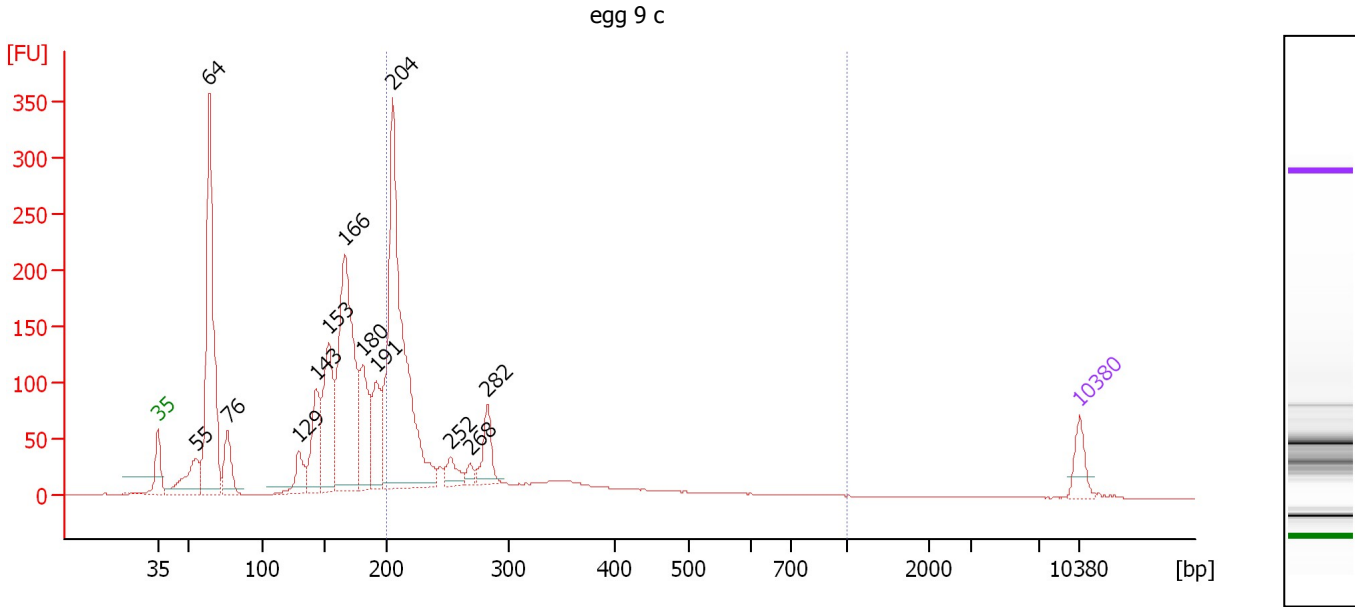
Region table for sample 2 : egg 9 b

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	267	1,075.7	14,268.3	2,280.25	35	38.3

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-24\2017-08-24_004.xad

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Electropherogram Summary Continued ...



Overall Results for sample 3 : egg 9 c

Number of peaks found: 13 Corr. Area 1: 1,123.9
 Noise: 0.2

Peak table for sample 3 : egg 9 c

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	261.90	7,199.9		45.92
3	64	1,259.73	29,906.6		46.90
4	76	207.89	4,120.3		48.31
5	129	146.26	1,715.4		53.72
6	143	340.63	3,608.2		55.03
7	153	505.73	5,015.3		55.96
8	166	1,173.84	10,739.4		57.18
9	180	373.03	3,131.5		58.59
10	191	276.79	2,192.8		59.61
11	204	1,686.43	12,512.8		60.83
12	252	88.67	533.6		65.21
13	268	39.76	224.7		66.72
14	282	162.55	872.0		68.04
15	10,380	75.00	10.9	Upper Marker	113.00

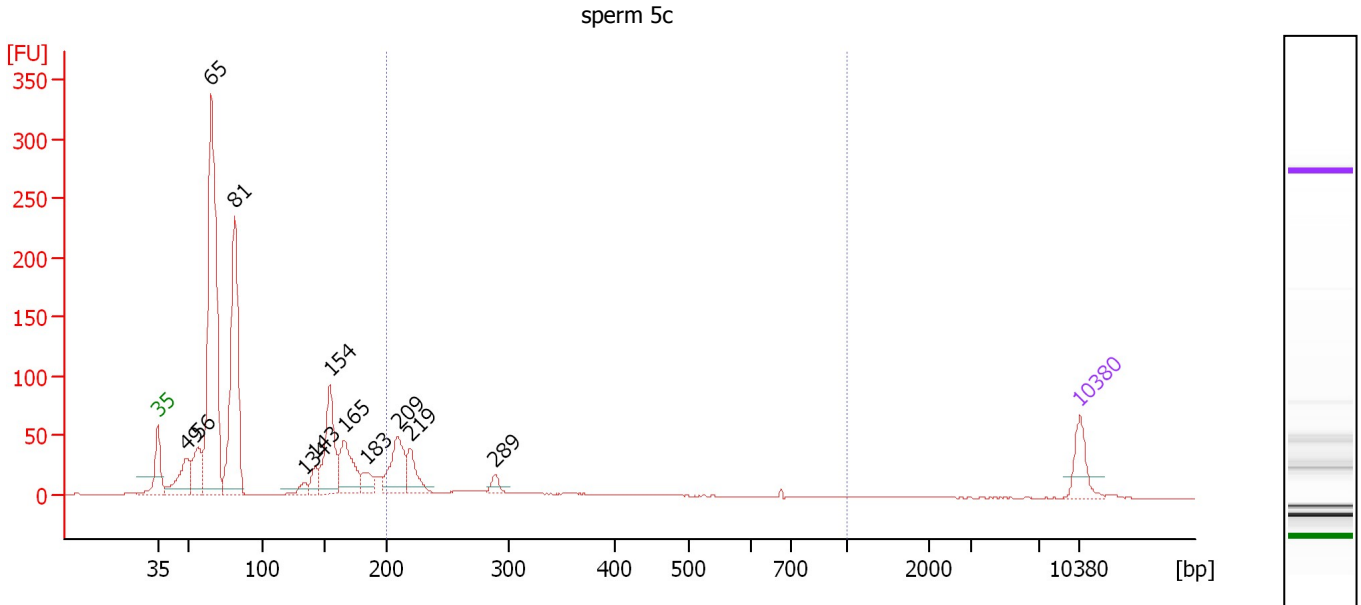
Region table for sample 3 : egg 9 c

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	259	1,123.9	15,212.0	2,404.61	36	33.3

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-24\2017-08-24_004.xad

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Electropherogram Summary Continued ...



Overall Results for sample 5 : sperm 5c

Number of peaks found: 12 Corr. Area 1: 231.6
 Noise: 0.1

Peak table for sample 5 : sperm 5c

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	49	187.38	5,784.7		45.21
3	56	178.97	4,813.8		46.06
4	65	1,320.18	30,635.6		47.06
5	81	821.70	15,374.5		48.82
6	134	36.65	415.8		54.13
7	143	63.20	671.8		54.98
8	154	323.17	3,176.4		56.09
9	165	216.97	1,989.5		57.14
10	183	65.34	540.4		58.85
11	209	206.26	1,496.7		61.25
12	219	104.89	725.2		62.20
13	289	29.84	156.5		68.62
14	10,380	75.00	10.9	Upper Marker	113.00

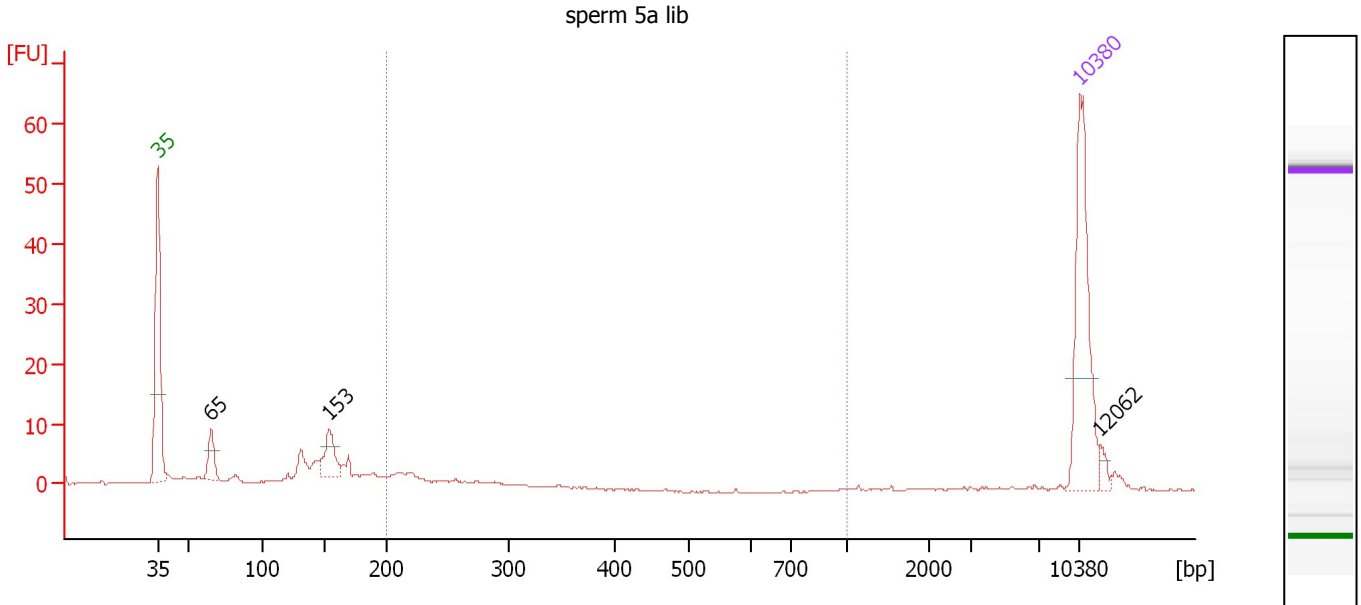
Region table for sample 5 : sperm 5c

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	269	231.6	2,978.6	477.88	15	38.7

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-24\2017-08-24_004.xad

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Electropherogram Summary Continued ...



Overall Results for sample 6 : sperm 5a lib

Number of peaks found: 3 Corr. Area 1: 24.9
 Noise: 0.1

Peak table for sample 6 : sperm 5a 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	22.26	516.9		47.06
3	153	28.51	282.4		55.98
4	10,380	75.00	10.9	Upper Marker	113.00
5	12,062	0.00	0.0		114.52

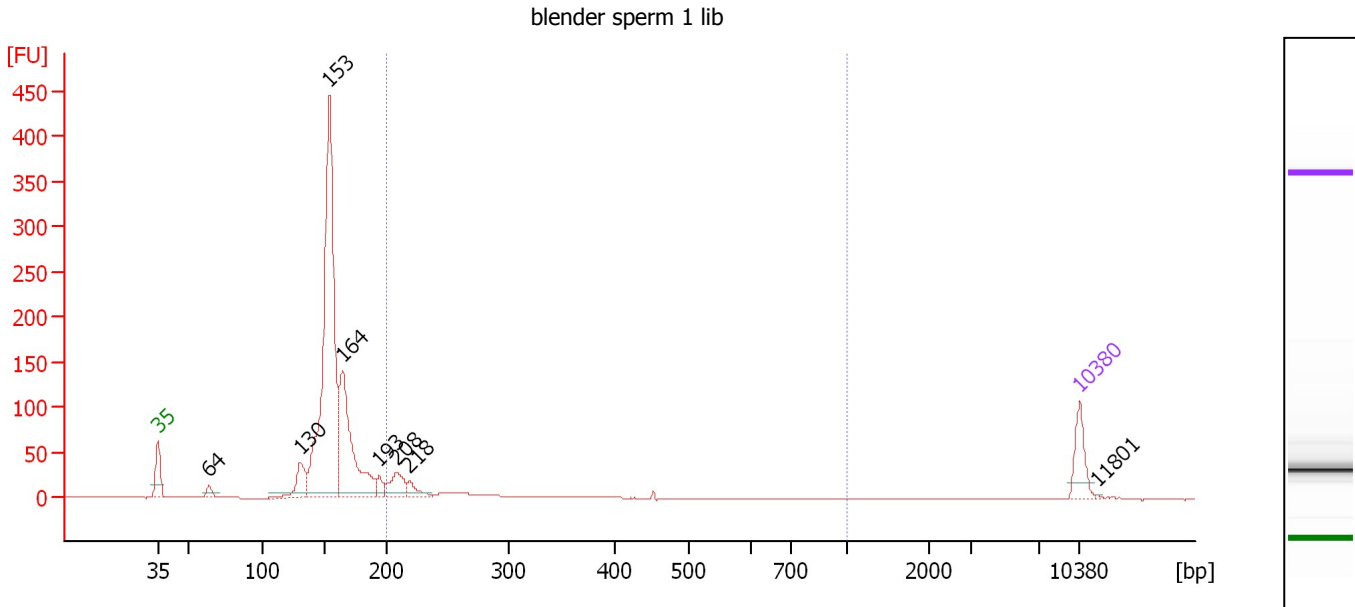
Region table for sample 6 : sperm 5a lib

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	292	24.9	277.6	47.02	18	50.2

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-24\2017-08-24_004.xad

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Electropherogram Summary Continued ...



Overall Results for sample 7 : blender sperm 1 lib

Number of peaks found: 8 Corr. Area 1: 167.5
 Noise: 0.1

Peak table for sample 7 : blender sperm 1 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	25.39	602.1		46.91
3	130	117.70	1,371.9		53.79
4	153	1,283.52	12,688.8		56.00
5	164	508.45	4,694.9		57.03
6	193	36.22	283.9		59.81
7	208	95.51	695.2		61.19
8	218	40.48	281.1		62.12
9	10,380	75.00	10.9	Upper Marker	113.00
10	11,801	0.00	0.0		114.28

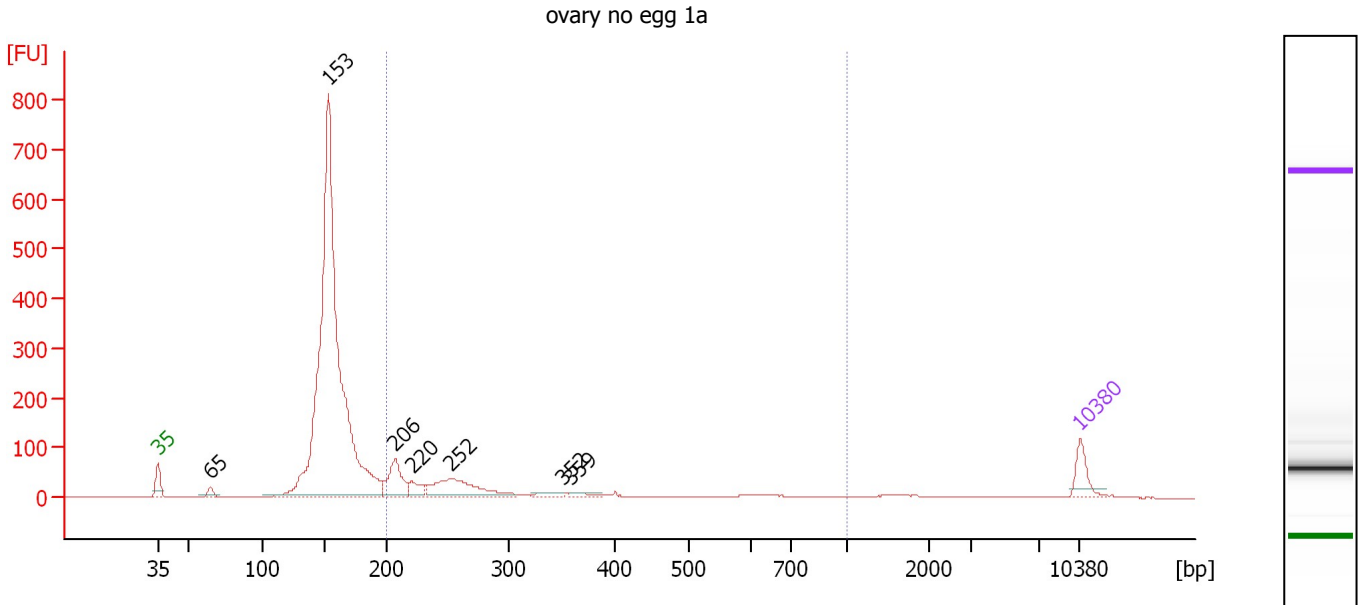
Region table for sample 7 : blender sperm 1 lib

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	286	167.5	1,530.0	254.36	13	41.9

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-24\2017-08-24_004.xad

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Electropherogram Summary Continued ...



Overall Results for sample 8 : ovary no egg 1a

Number of peaks found: 7 Corr. Area 1: 593.1
 Noise: 0.1

Peak table for sample 8 : 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	65	31.90	742.6		47.04
3	153	3,286.21	32,503.8		56.00
4	206	188.38	1,383.8		61.02
5	220	67.67	465.4		62.31
6	252	265.22	1,592.5		65.26
7	352	25.95	111.7		73.81
8	359	17.29	73.0		74.38
9	10,380	75.00	10.9	Upper Marker	113.00

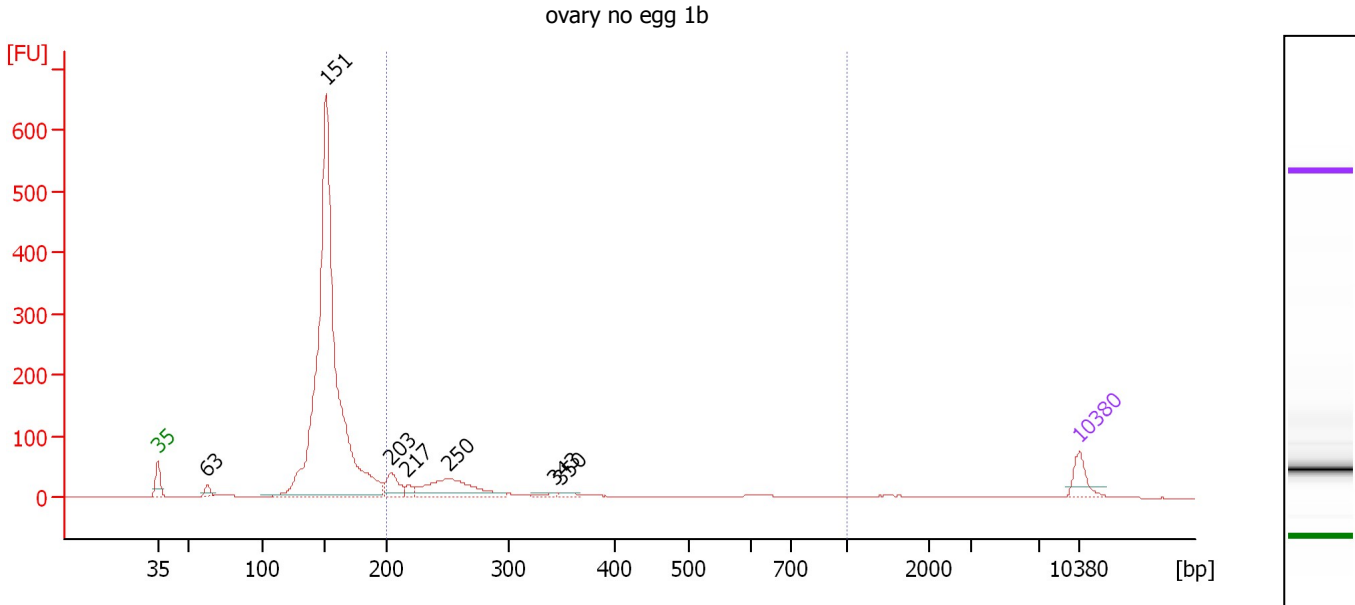
Region table for sample 8 : ovary no egg 1a

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	319	593.1	4,018.2	710.06	20	47.6

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-24\2017-08-24_004.xad

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Electropherogram Summary Continued ...



Overall Results for sample 9 : ovary no egg 1b

Number of peaks found: 7 Corr. Area 1: 404.1
 Noise: 0.2

Peak table for sample 9 : 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	63	37.09	896.0		46.77
3	151	3,519.21	35,357.7		55.77
4	203	129.98	969.4		60.73
5	217	32.77	229.2		61.97
6	250	314.05	1,905.4		65.02
7	343	16.90	74.7		73.09
8	350	14.57	63.1		73.66
9	10,380	75.00	10.9	Upper Marker	113.00

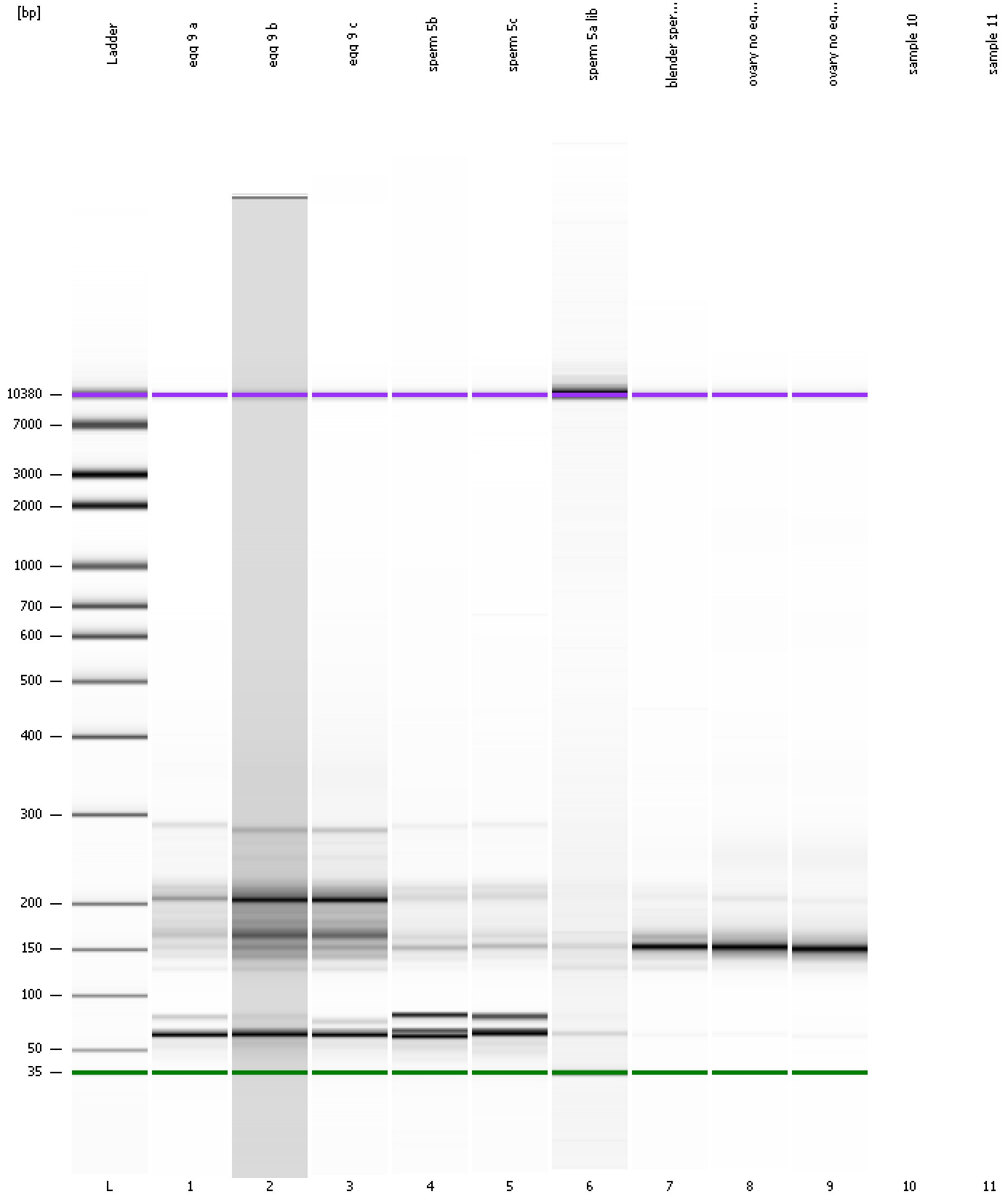
Region table for sample 9 : ovary no egg 1b

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	317	404.1	3,655.1	646.32	17	47.6

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-24\2017-08-24_004.xad

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Gel Image



Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-24\2017-08-24_004.xad

Created: 8/24/2017 2:45:51 PM
Modified: 8/24/2017 3:21:31 PM

Invalid Samples

Sample 10 has not been run, no results available.

Sample 11 has not been run, no results available.