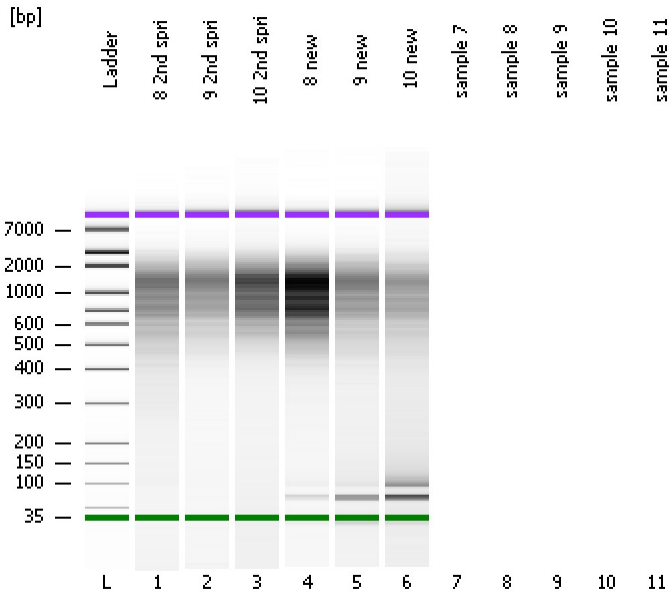


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-07\2017-06-07_001.xad

Created: 6/7/2017 9:46:53 AM
Modified: 6/7/2017 10:22:21 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

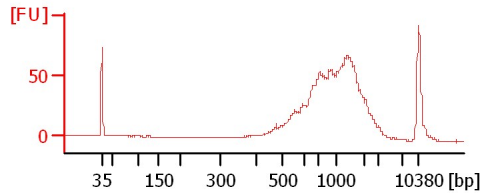
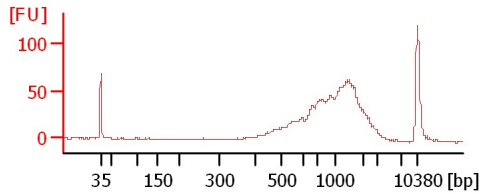
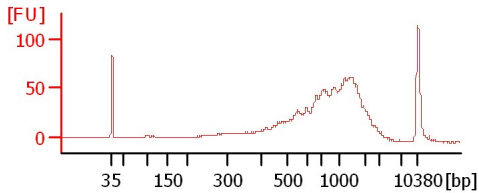
Chip Information:

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

8 2nd spri

9 2nd spri

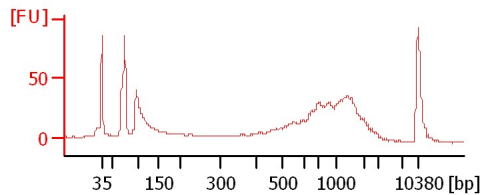
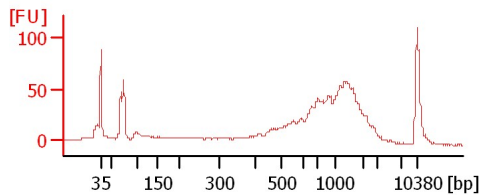
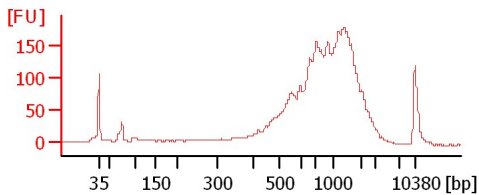
10 2nd spri



8 new

9 new

10 new



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-07\2017-06-07_001.xad

Created: 6/7/2017 9:46:53 AM
 Modified: 6/7/2017 10:22:21 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
8 2nd spri		<input type="checkbox"/>	✓			
9 2nd spri		<input type="checkbox"/>	✓			
10 2nd spri		<input type="checkbox"/>	✓			
8 new		<input type="checkbox"/>	✓			
9 new		<input type="checkbox"/>	✓			
10 new		<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 #

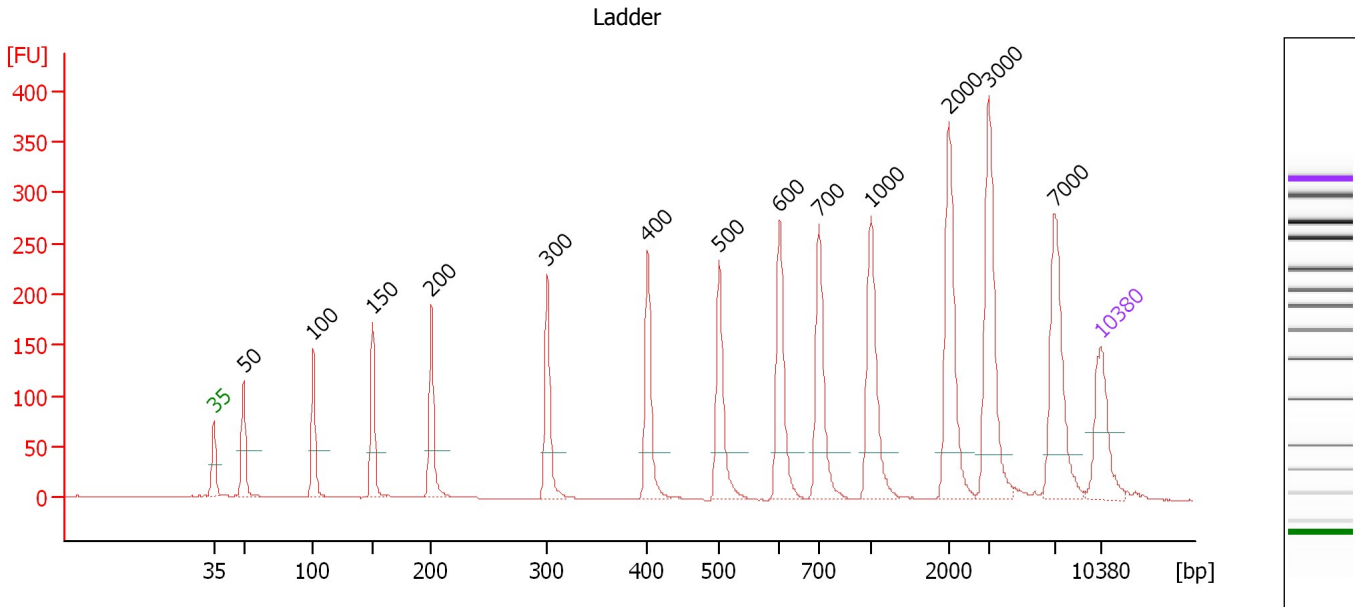
Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-07\2017-06-07_001.xad

Created: 6/7/2017 9:46:53 AM
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Electropherogram Summary



Overall Results for Ladder

Noise: 0.3

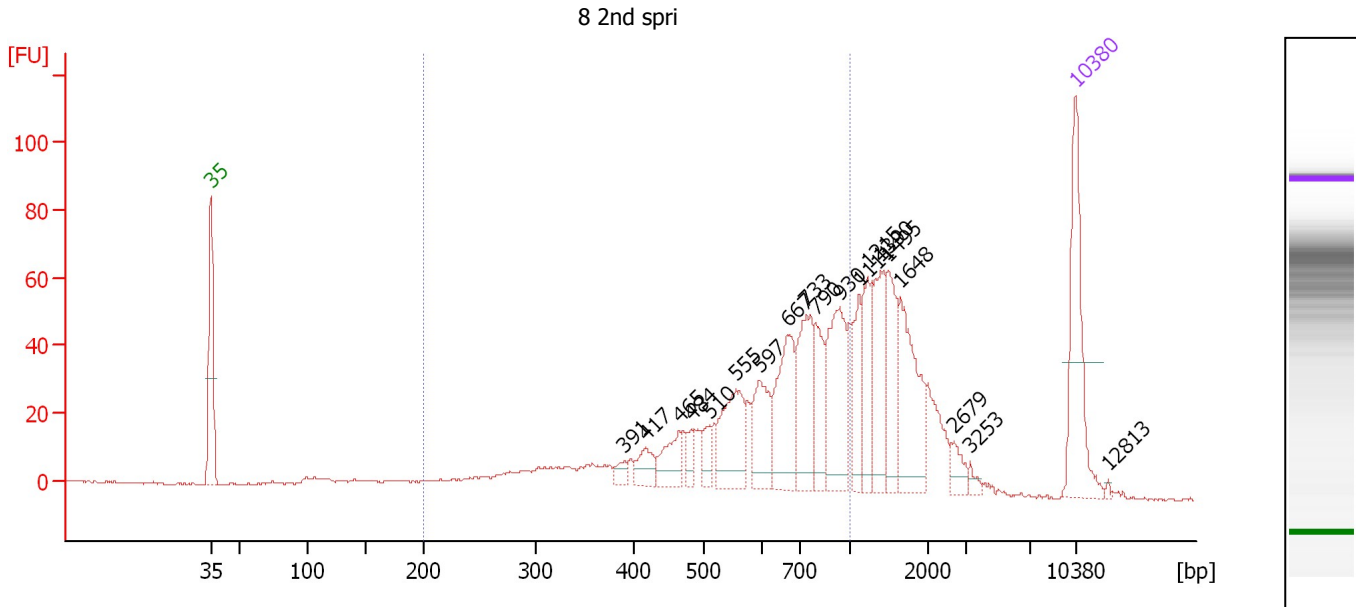
Peak table for Ladder

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	55.54
5	200	150.00	1,136.4	Ladder Peak	60.16
6	300	150.00	757.6	Ladder Peak	69.33
7	400	150.00	568.2	Ladder Peak	77.24
8	500	150.00	454.5	Ladder Peak	82.88
9	600	150.00	378.8	Ladder Peak	87.63
10	700	150.00	324.7	Ladder Peak	90.75
11	1,000	150.00	227.3	Ladder Peak	94.83
12	2,000	150.00	113.6	Ladder Peak	101.01
13	3,000	150.00	75.8	Ladder Peak	104.17
14	7,000	150.00	32.5	Ladder Peak	109.34
15	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-07\2017-06-07_001.xad

Created: 6/7/2017 9:46:53 AM
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Electropherogram Summary Continued ...



Overall Results for sample 1 : 8 2nd spri

Number of peaks found: 19 Corr. Area 1: 736.5
 Noise: 0.3

Peak table for sample 1 : 8 2nd spri

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	391	9.16	35.5		76.51
3	417	20.53	74.6		78.19
4	465	31.76	103.5		80.91
5	484	11.21	35.1		81.95
6	510	16.01	47.6		83.33
7	555	65.72	179.4		85.49
8	597	49.16	124.8		87.48
9	667	75.60	171.7		89.72
10	733	70.26	145.3		91.19
11	790	41.53	79.7		91.97
12	930	80.24	130.8		93.87
13	1,111	37.17	50.7		95.51
14	1,215	41.47	51.7		96.16
15	1,390	57.36	62.5		97.24
16	1,495	48.76	49.4		97.89
17	1,648	75.96	69.8		98.84
18	2,679	11.61	6.6		103.15
19	3,253	4.69	2.2		104.49
20	10,380	75.00	10.9	Upper Marker	113.00
21	12,813	0.00	0.0		115.63

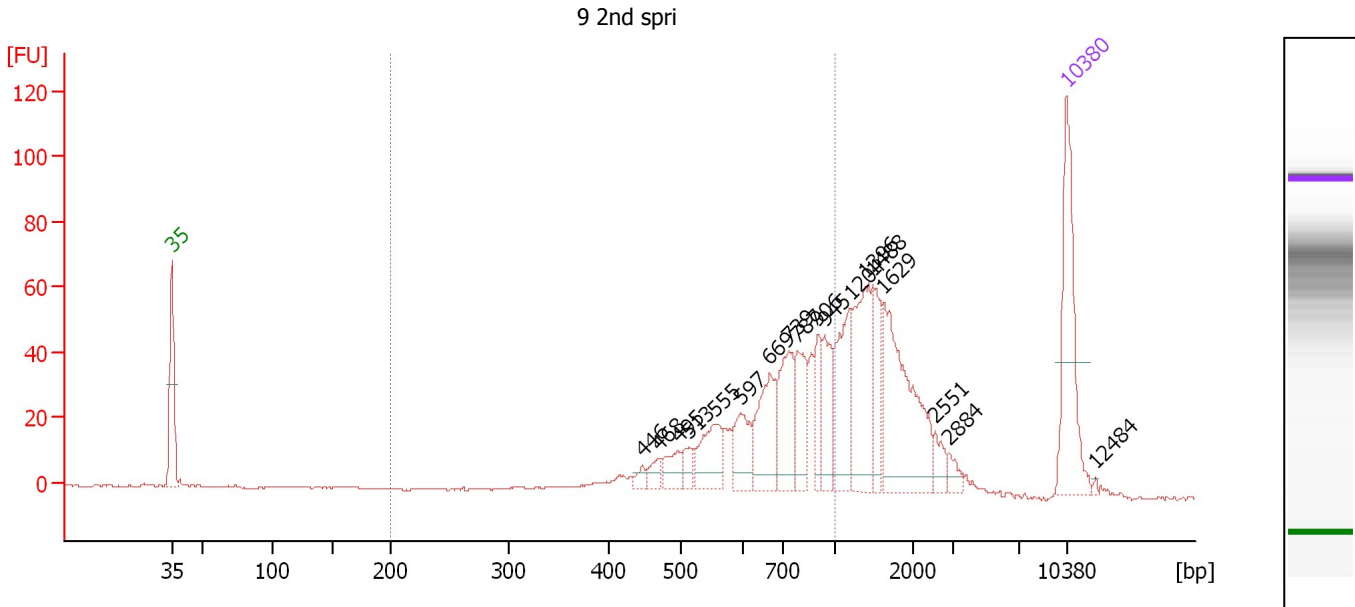
Region table for sample 1 : 8 2nd spri

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	629	736.5	1,936.9	669.78	61	31.0

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-07\2017-06-07_001.xad

Created: 6/7/2017 9:46:53 AM
 Modified: 6/7/2017 10:22:21 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 : 9 2nd spri

Number of peaks found: 18 Corr. Area 1: 470.3
 Noise: 0.2

Peak table for sample 2 : 9 2nd spri

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	446	6.43	21.8		79.84
3	468	10.72	34.7		81.07
4	495	18.83	57.6		82.60
5	513	13.07	38.6		83.52
6	555	39.32	107.4		85.49
7	597	34.41	87.3		87.51
8	669	55.75	126.2		89.78
9	739	57.06	117.0		91.27
10	787	38.99	75.1		91.93
11	906	25.53	42.7		93.55
12	945	33.67	54.0		94.08
13	1,204	59.52	74.9		96.09
14	1,396	76.69	83.3		97.27
15	1,488	35.40	36.0		97.84
16	1,629	111.75	103.9		98.72
17	2,551	11.26	6.7		102.75
18	2,884	8.06	4.2		103.80
19	10,380	75.00	10.9	Upper Marker	113.00
20	12,484	0.00	0.0		115.28

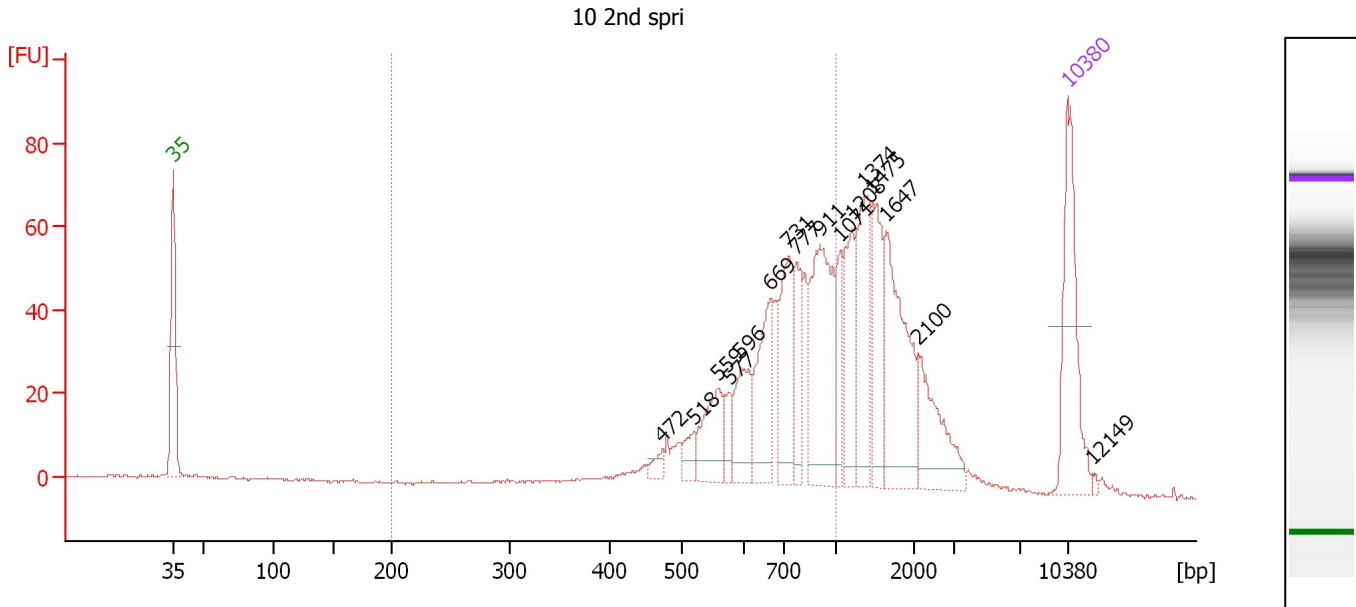
Region table for sample 2 : 9 2nd spri

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	695	470.3	971.4	410.87	52	23.7

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-07\2017-06-07_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 3 : 10 2nd spri

Number of peaks found: 16 Corr. Area 1: 557.6
 Noise: 0.3

Peak table for sample 3 : 10 2nd spri

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	472	8.43	27.1		81.27
3	518	13.30	38.9		83.73
4	559	47.32	128.3		85.69
5	577	15.67	41.2		86.53
6	596	44.95	114.3		87.42
7	669	64.85	146.8		89.79
8	731	69.73	144.6		91.17
9	777	36.00	70.2		91.79
10	911	114.81	190.9		93.62
11	1,071	30.40	43.0		95.27
12	1,208	51.67	64.8		96.11
13	1,374	72.67	80.2		97.14
14	1,475	56.62	58.2		97.76
15	1,647	97.27	89.5		98.83
16	2,100	54.35	39.2		101.33
17	10,380	75.00	10.9	Upper Marker	113.00
18	12,149	0.00	0.0		114.92

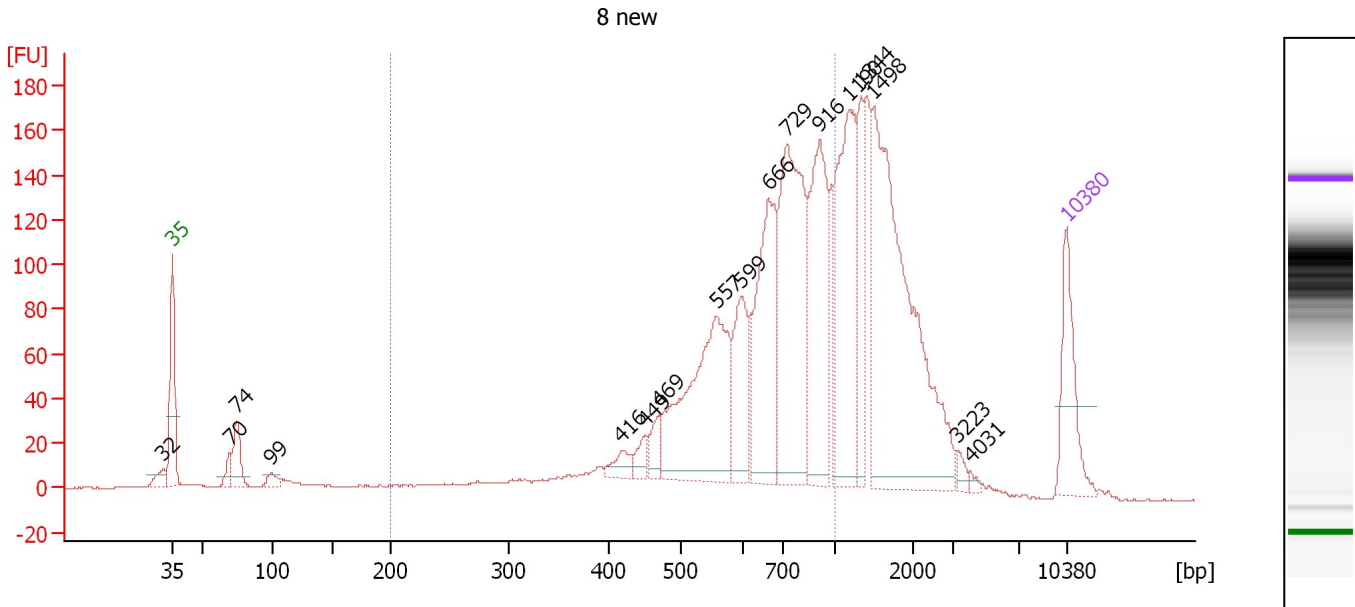
Region table for sample 3 : 10 2nd spri

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	701	557.6	1,314.9	555.31	53	23.4

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-07\2017-06-07_001.xad

Created: 6/7/2017 9:46:53 AM
 Modified: 6/7/2017 10:22:21 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : 8 new

Number of peaks found: 17 Corr. Area 1: 1,735.8
 Noise: 0.2

Peak table for sample 4 : 8 new

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	32	0.00	0.0		42.27
2	35	125.00	5,411.3	Lower Marker	43.00
3	70	20.79	450.9		47.55
4	74	51.89	1,056.7		48.05
5	99	14.18	217.6		50.73
6	416	21.29	77.6		78.14
7	449	19.08	64.4		80.00
8	469	23.09	74.6		81.14
9	557	270.27	735.1		85.59
10	599	98.38	248.8		87.59
11	666	203.18	462.4		89.68
12	729	299.74	623.3		91.14
13	916	194.07	321.1		93.68
14	1,190	216.10	275.2		96.00
15	1,344	73.67	83.0		96.95
16	1,498	404.58	409.1		97.91
17	3,223	8.33	3.9		104.45
18	4,031	3.58	1.3		105.50
19	10,380	75.00	10.9	Upper Marker	113.00

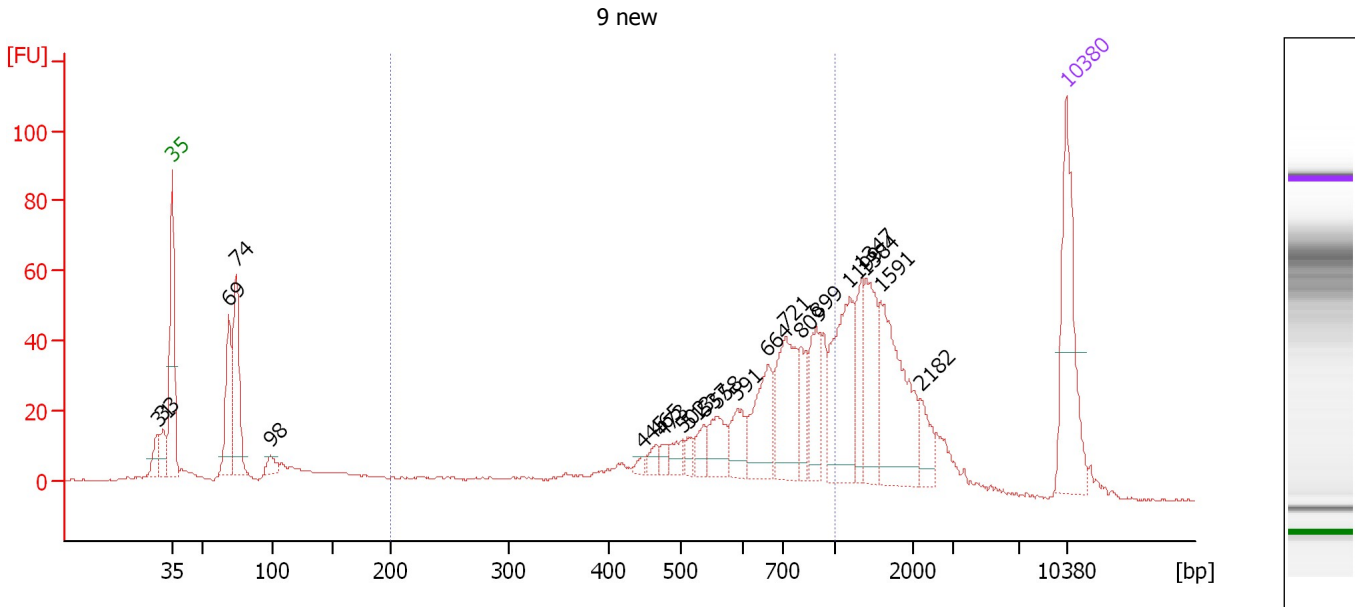
Region table for sample 4 : 8 new

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	671	1,735.8	3,571.0	1,396.78	57	26.0

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-07\2017-06-07_001.xad

Created: 6/7/2017 9:46:53 AM
 Modified: 6/7/2017 10:22:21 AM

Electropherogram Summary Continued ...



Overall Results for sample 5 : 9 new

Number of peaks found: 22 Corr. Area 1: 545.4
 Noise: 0.3

Peak table for sample 5 : 9 new

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	31	0.00	0.0		41.86
2	33	0.00	0.0		42.32
3	35	125.00	5,411.3	Lower Marker	43.00
4	69	73.45	1,617.3		47.43
5	74	93.53	1,909.9		48.02
6	98	11.52	177.7		50.67
7	445	4.55	15.5		79.80
8	465	8.29	27.0		80.90
9	473	6.47	20.7		81.36
10	502	12.35	37.3		82.95
11	513	7.80	23.0		83.50
12	537	12.97	36.6		84.64
13	558	27.81	75.5		85.65
14	591	25.61	65.7		87.20
15	664	54.92	125.3		89.62
16	721	69.74	146.5		91.04
17	809	25.76	48.3		92.22
18	899	35.68	60.1		93.46
19	1,199	79.17	100.0		96.06
20	1,347	29.94	33.7		96.97
21	1,384	53.97	59.1		97.20
22	1,591	88.85	84.6		98.48
23	2,182	17.73	12.3		101.58
24	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-07\2017-06-07_001.xad

Created: 6/7/2017 9:46:53 AM
Modified: 6/7/2017 10:22:21 AM

Electropherogram Summary Continued ...

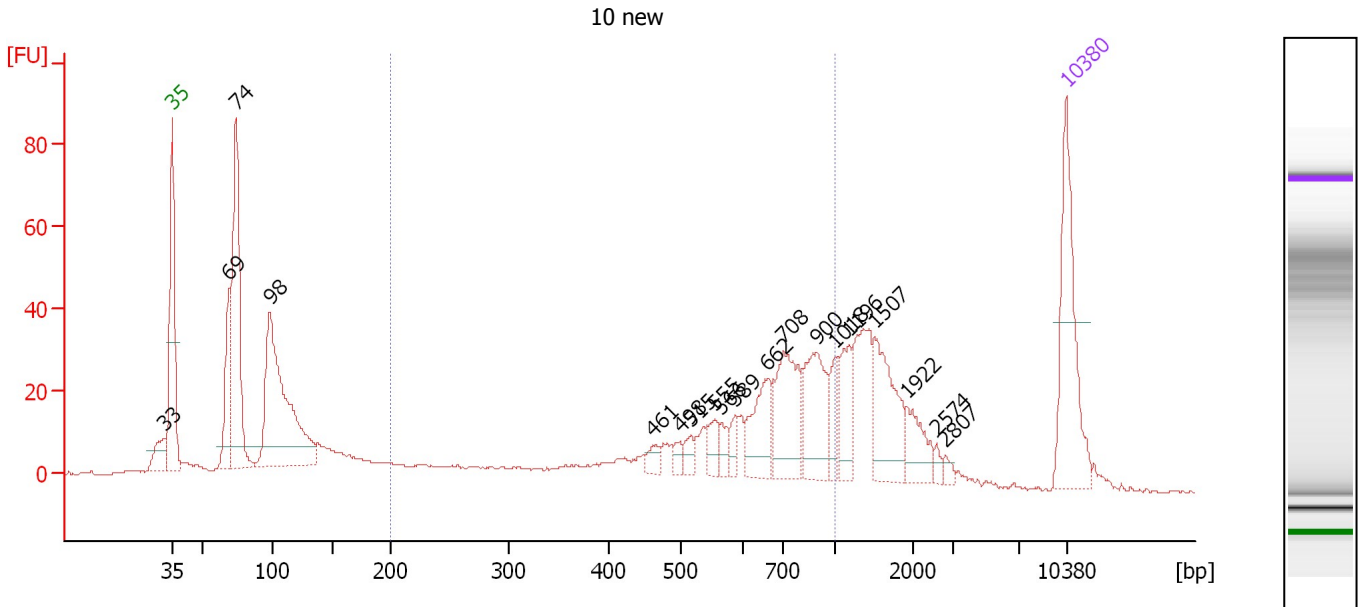
... Region table for sample 5 : 9 new

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	650	545.4	1,355.3	485.82	45	29.6

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-07\2017-06-07_001.xad

Created: 6/7/2017 9:46:53 AM
 Modified: 6/7/2017 10:22:21 AM

Electropherogram Summary Continued ...



Overall Results for sample 6 : 10 new

Number of peaks found: 19 Corr. Area 1: 446.1
 Noise: 0.3

Peak table for sample 6 : 10 new

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	33	0.00	0.0		42.36
2	35	125.00	5,411.3	Lower Marker	43.00
3	69	66.23	1,454.9		47.45
4	74	177.16	3,629.2		48.00
5	98	218.35	3,372.9		50.66
6	461	9.16	30.1		80.68
7	498	7.47	22.7		82.74
8	515	9.48	27.9		83.62
9	555	14.41	39.3		85.50
10	566	10.38	27.8		86.00
11	589	10.96	28.2		87.10
12	662	43.20	98.8		89.57
13	708	69.27	148.2		90.86
14	900	56.24	94.6		93.47
15	1,018	16.81	25.0		94.94
16	1,196	29.67	37.6		96.04
17	1,507	54.96	55.2		97.96
18	1,922	24.16	19.0		100.53
19	2,574	3.83	2.3		102.82
20	2,807	4.21	2.3		103.56
21	10,380	75.00	10.9	Upper Marker	113.00

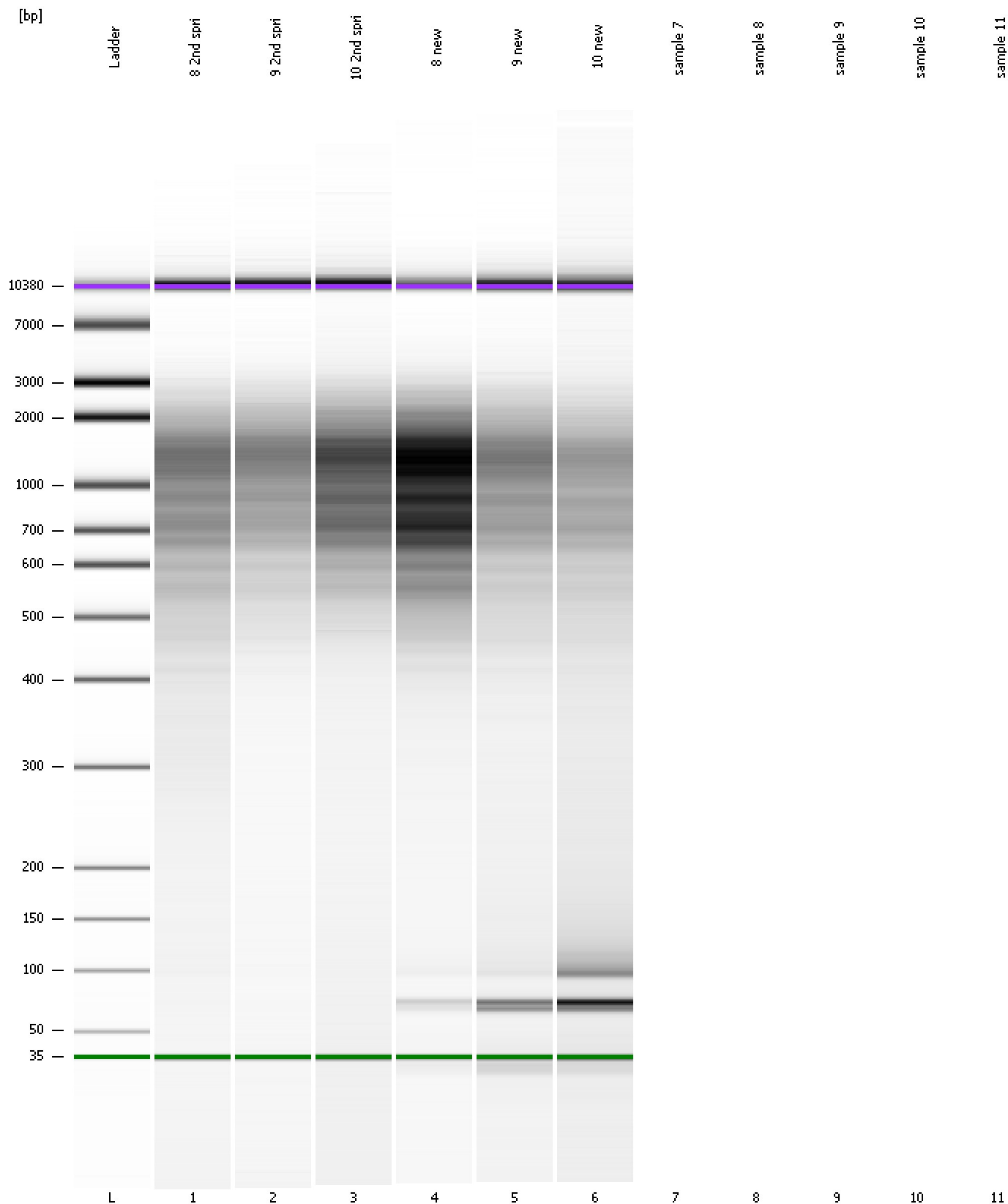
Region table for sample 6 : 10 new

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	619	446.1	1,373.6	443.15	38	33.4

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-07\2017-06-07_001.xad

Created: 6/7/2017 9:46:53 AM
Modified: 6/7/2017 10:22:21 AM

Gel Image



Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-07\2017-06-07_001.xad

Created: 6/7/2017 9:46:53 AM
Modified: 6/7/2017 10:22:21 AM

Invalid Samples

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.