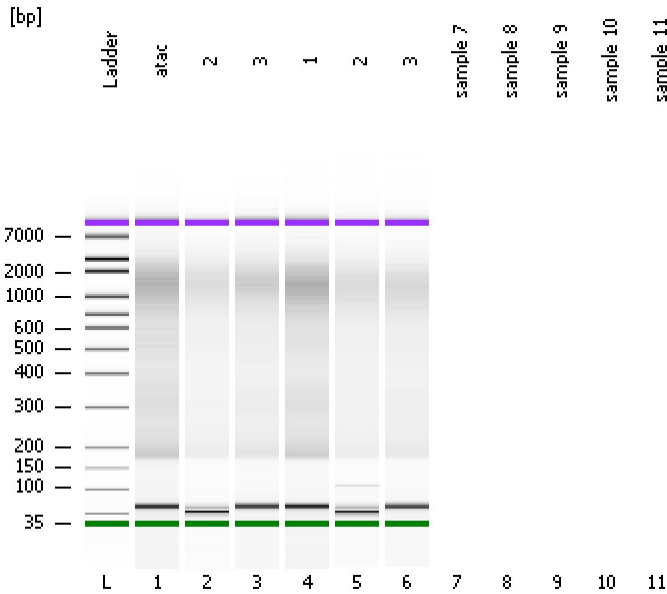


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-18\2018-01-18_001.xad

Created: 1/18/2018 10:02:16 AM
Modified: 1/18/2018 10:44:59 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

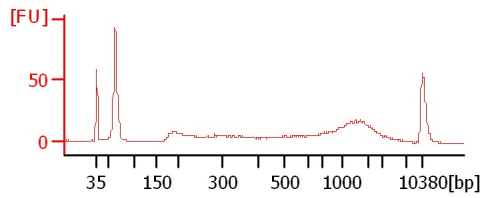
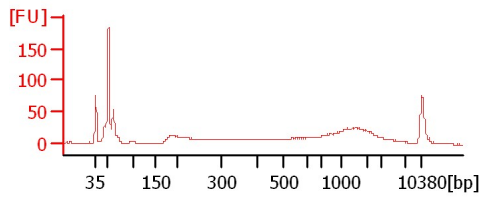
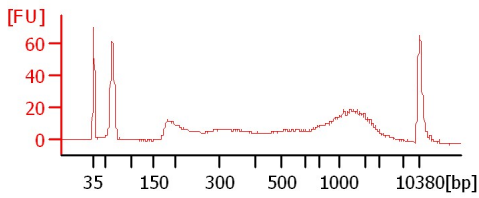
Chip Information:

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

atac

2

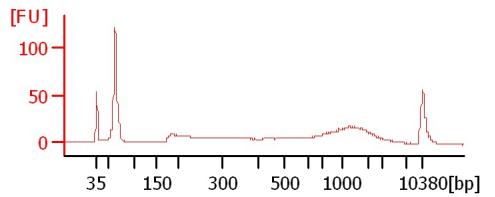
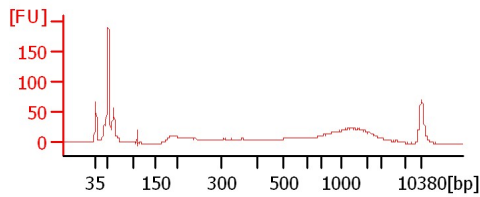
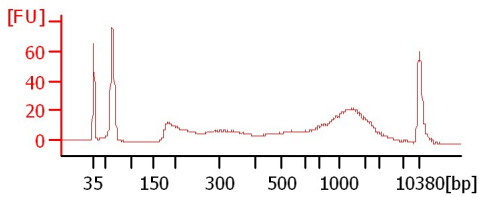
3



1

2

3



Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-18\2018-01-18_001.xad

Created: 1/18/2018 10:02:16 AM
Modified: 1/18/2018 10:44:59 AM

Electrophoresis File Run Summary (Chip Summary)

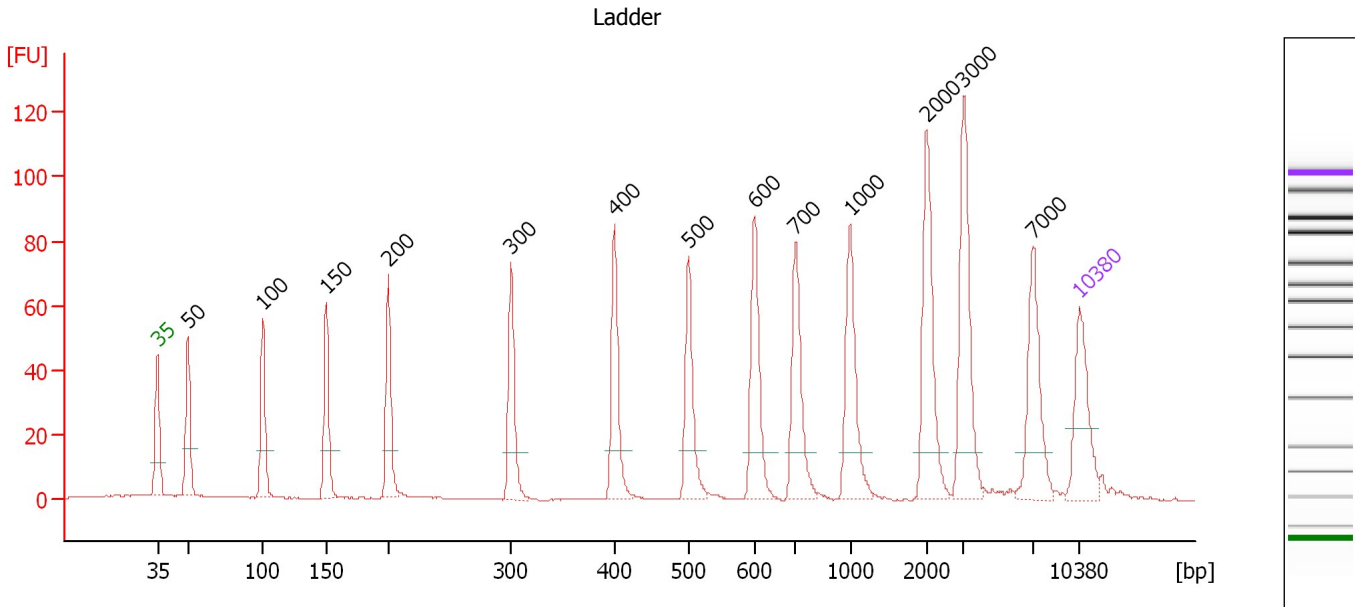
Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
atac		<input type="checkbox"/>	✓			
2		<input type="checkbox"/>	✓			
3		<input type="checkbox"/>	✓			
1		<input type="checkbox"/>	✓			
2		<input type="checkbox"/>	✓			
3		<input type="checkbox"/>	✓			
sample 7		<input 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\2018-01-18\2018-01-18_001.xad

Created: 1/18/2018 10:02:16 AM
 Modified: 1/18/2018 10:44:59 AM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

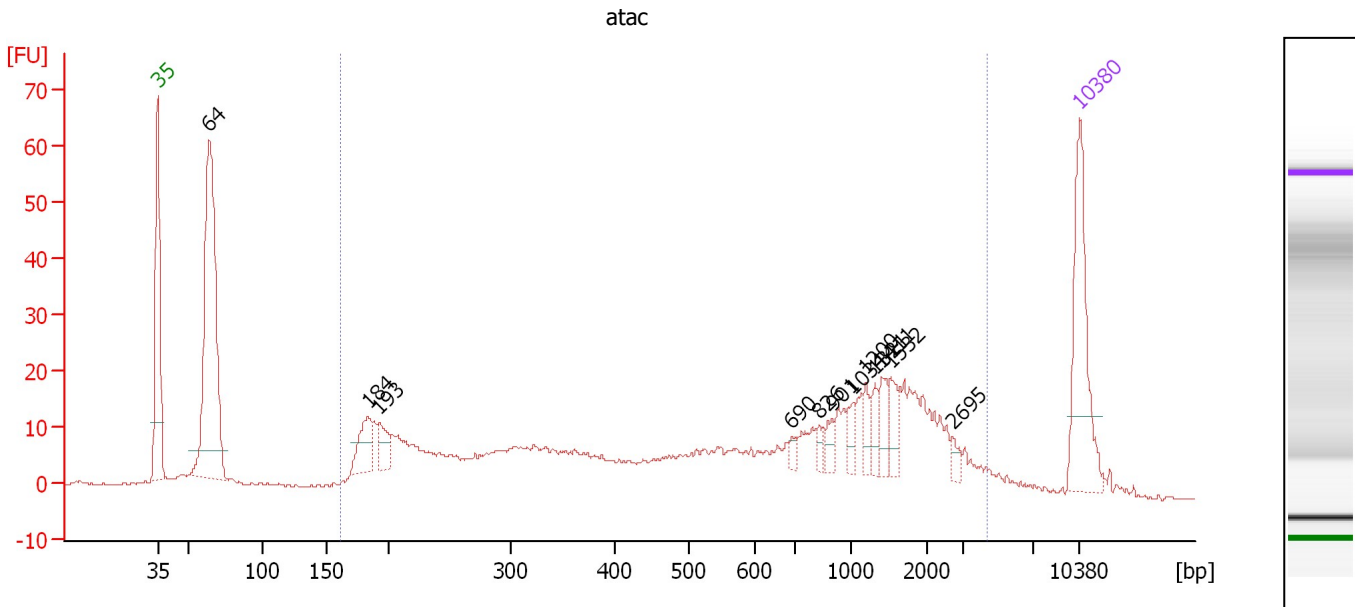
Peak table for Ladder

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	45.30
3	100	150.00	2,272.7	Ladder Peak	51.00
4	150	150.00	1,515.2	Ladder Peak	55.83
5	200	150.00	1,136.4	Ladder Peak	60.52
6	300	150.00	757.6	Ladder Peak	69.83
7	400	150.00	568.2	Ladder Peak	77.70
8	500	150.00	454.5	Ladder Peak	83.35
9	600	150.00	378.8	Ladder Peak	88.35
10	700	150.00	324.7	Ladder Peak	91.43
11	1,000	150.00	227.3	Ladder Peak	95.61
12	2,000	150.00	113.6	Ladder Peak	101.39
13	3,000	150.00	75.8	Ladder Peak	104.22
14	7,000	150.00	32.5	Ladder Peak	109.43
15	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-18\2018-01-18_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 1 : atac

Number of peaks found: 12 Corr. Area 1: 566.8
 Noise: 0.3

Peak table for sample 1 : atac

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	324.67	7,656.3		46.93
3	184	39.11	322.9		58.97
4	193	24.85	195.3		59.85
5	690	6.51	14.3		91.14
6	826	6.91	12.7		93.19
7	901	9.77	16.4		94.23
8	1,034	10.41	15.2		95.81
9	1,200	12.38	15.6		96.77
10	1,321	11.46	13.1		97.46
11	1,411	15.35	16.5		97.99
12	1,532	17.63	17.4		98.69
13	2,695	6.28	3.5		103.36
14	10,380	75.00	10.9	Upper Marker	113.00

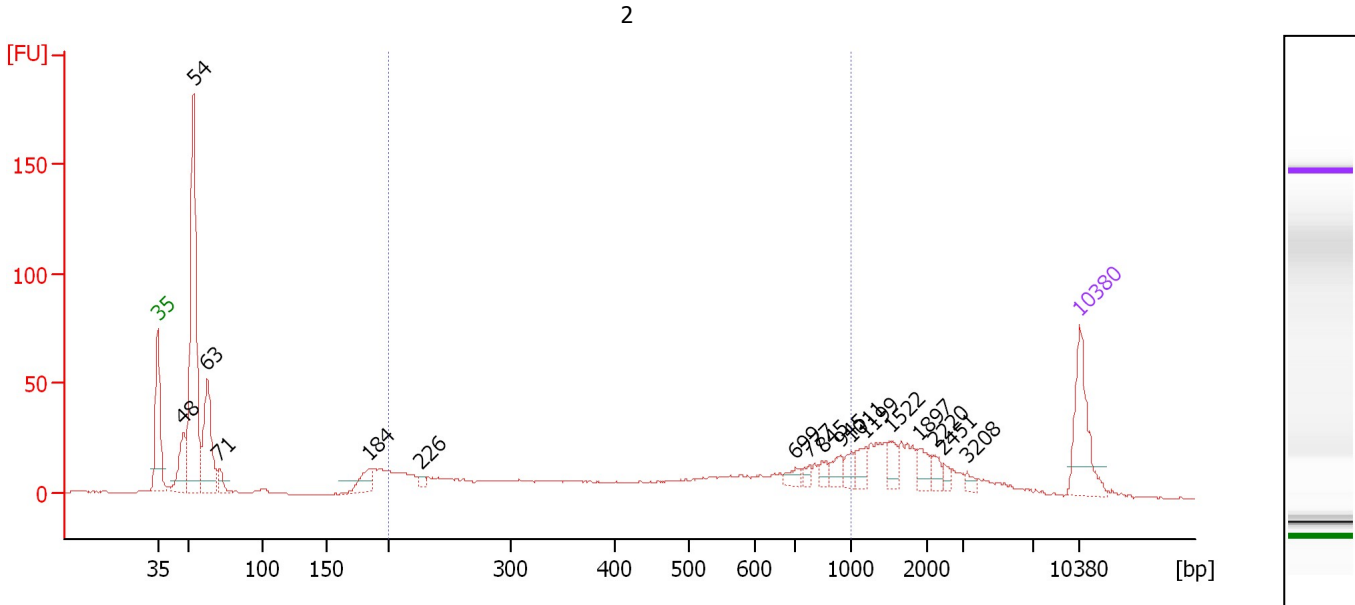
Region table for sample 1 : atac

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]
161	4,340	934	566.8	864.64	3,411.2	75	84.3

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-18\2018-01-18_001.xad

Created: 1/18/2018 10:02:16 AM
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Electropherogram Summary Continued ...



Overall Results for sample 2 : 2

Number of peaks found: 17 Corr. Area 1: 396.1
 Noise: 0.2

Peak table for sample 2 : 2

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	83.35	2,646.5		44.95
3	54	467.15	13,159.3		45.74
4	63	167.78	4,039.2		46.78
5	71	21.89	467.5		47.69
6	184	35.53	292.5		59.02
7	226	7.54	50.4		62.98
8	699	13.85	30.0		91.42
9	777	9.20	17.9		92.50
10	845	11.57	20.7		93.46
11	945	18.53	29.7		94.85
12	1,011	14.82	22.2		95.67
13	1,199	21.24	26.8		96.76
14	1,522	19.64	19.6		98.63
15	1,897	21.68	17.3		100.80
16	2,220	11.80	8.1		102.01
17	2,451	7.07	4.4		102.67
18	3,208	6.51	3.1		104.49
19	10,380	75.00	10.9	Upper Marker	113.00

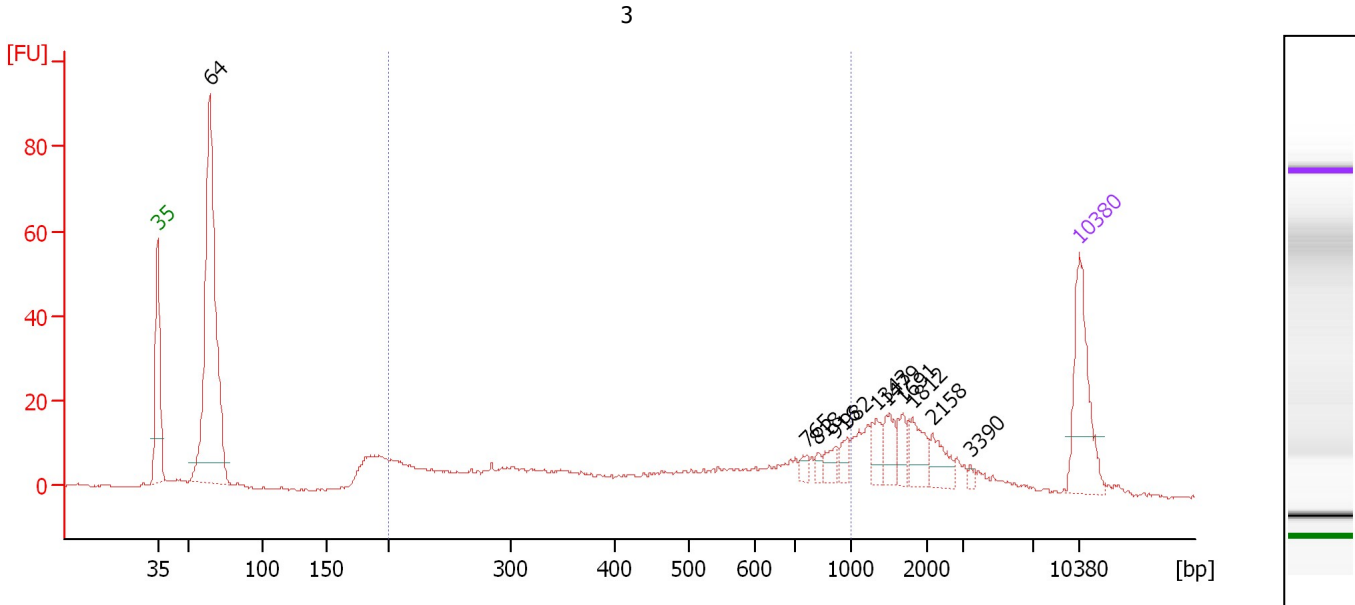
Region table for sample 2 : 2

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]
200	1,000	510	396.1	555.40	2,271.8	37	45.2

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-18\2018-01-18_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 3 : 3

Number of peaks found: 11 Corr. Area 1: 263.7
 Noise: 0.3

Peak table for sample 3 : 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	64	458.35	10,790.5		46.94
3	765	7.66	15.2		92.34
4	818	6.15	11.4		93.08
5	916	13.27	21.9		94.44
6	982	12.20	18.8		95.36
7	1,343	18.54	20.9		97.59
8	1,479	21.12	21.6		98.38
9	1,691	15.40	13.8		99.60
10	1,812	27.49	23.0		100.30
11	2,158	22.17	15.6		101.84
12	3,390	3.16	1.4		104.73
13	10,380	75.00	10.9	Upper Marker	113.00

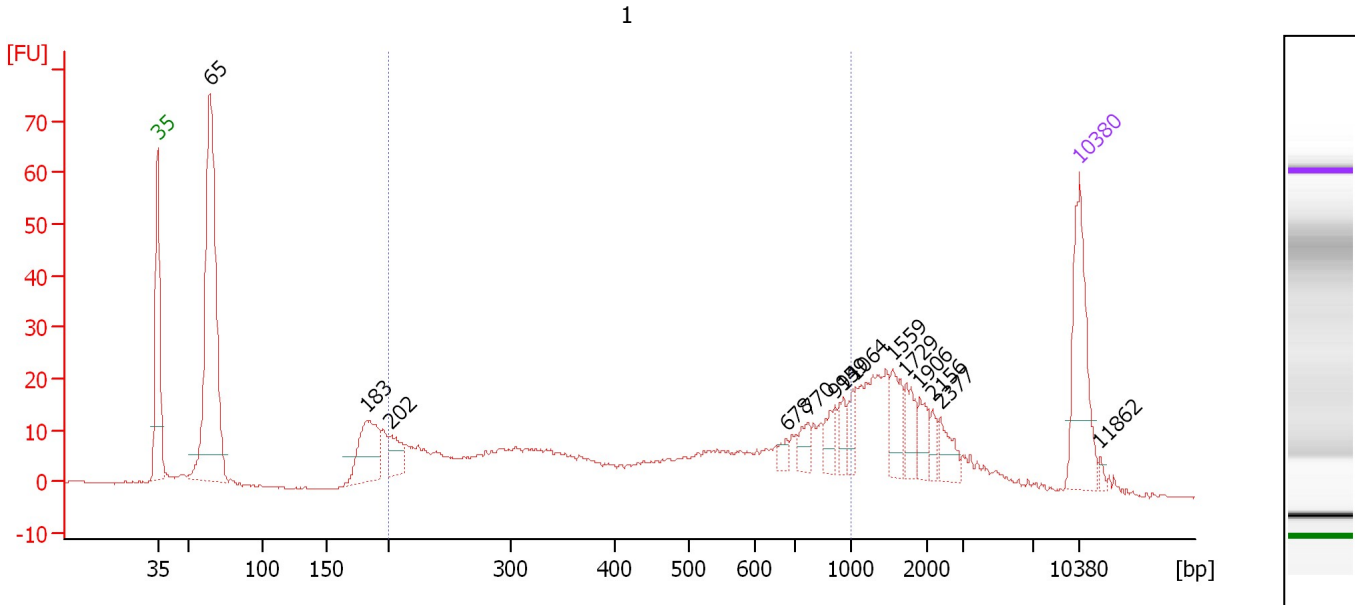
Region table for sample 3 : 3

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]
200	1,000	506	263.7	438.55	1,799.7	39	45.5

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-18\2018-01-18_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 4 : 1

Number of peaks found: 14 Corr. Area 1: 360.1
 Noise: 0.2

Peak table for sample 4 : 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	65	394.67	9,246.3		46.98
3	183	81.45	675.2		58.90
4	202	28.74	215.3		60.73
5	678	7.66	17.1		90.75
6	770	16.03	31.5		92.41
7	914	17.59	29.2		94.42
8	959	14.16	22.4		95.04
9	1,064	14.23	20.3		95.98
10	1,559	26.68	25.9		98.84
11	1,729	21.31	18.7		99.82
12	1,906	17.76	14.1		100.85
13	2,156	8.96	6.3		101.83
14	2,377	18.15	11.6		102.46
15	10,380	75.00	10.9	Upper Marker	113.00
16	11,862	0.00	0.0		114.56

Region table for sample 4 : 1

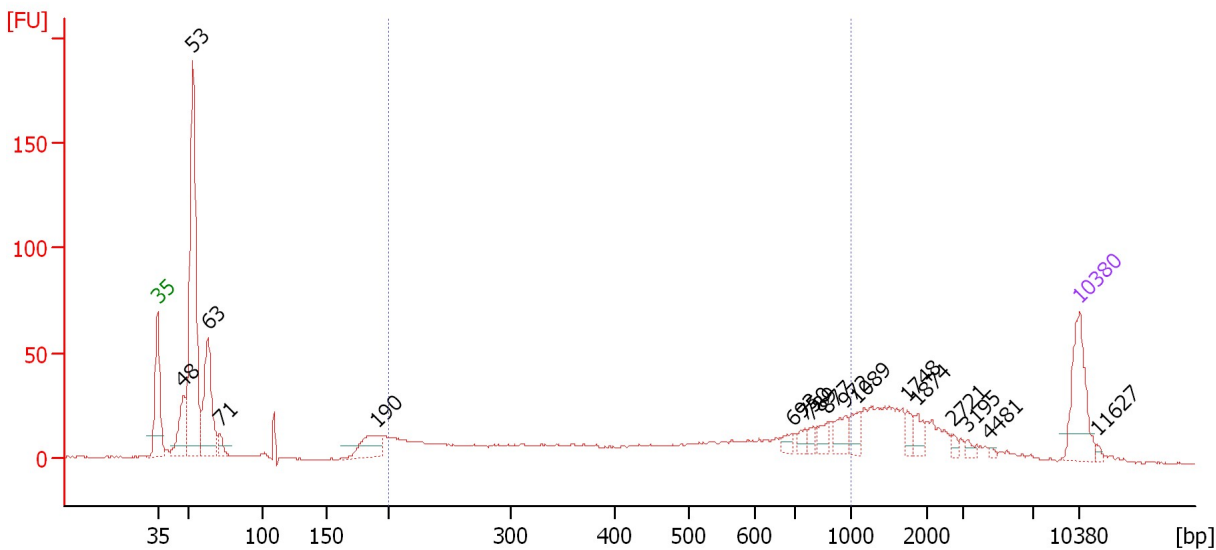
From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]
200	1,000	509	360.1	608.42	2,495.7	46	45.8

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-18\2018-01-18_001.xad

Created: 1/18/2018 10:02:16 AM
 Modified: 1/18/2018 10:44:59 AM

Electropherogram Summary Continued ...

2



Overall Results for sample 5 : 2

Number of peaks found: 17 Corr. Area 1: 433.9
 Noise: 0.2

Peak table for sample 5 : 2

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	87.64	2,784.0		44.95
3	53	501.69	14,270.0		45.68
4	63	181.00	4,337.7		46.81
5	71	22.36	476.0		47.72
6	190	58.69	468.7		59.56
7	693	12.84	28.1		91.22
8	750	12.56	25.4		92.13
9	789	10.18	19.5		92.68
10	877	18.95	32.7		93.90
11	972	24.96	38.9		95.22
12	1,089	20.39	28.4		96.12
13	1,748	13.95	12.1		99.93
14	1,874	15.70	12.7		100.66
15	2,721	6.09	3.4		103.43
16	3,195	6.31	3.0		104.47
17	4,481	2.83	1.0		106.15
18	10,380	75.00	10.9	Upper Marker	113.00
19	11,627	0.00	0.0		114.32

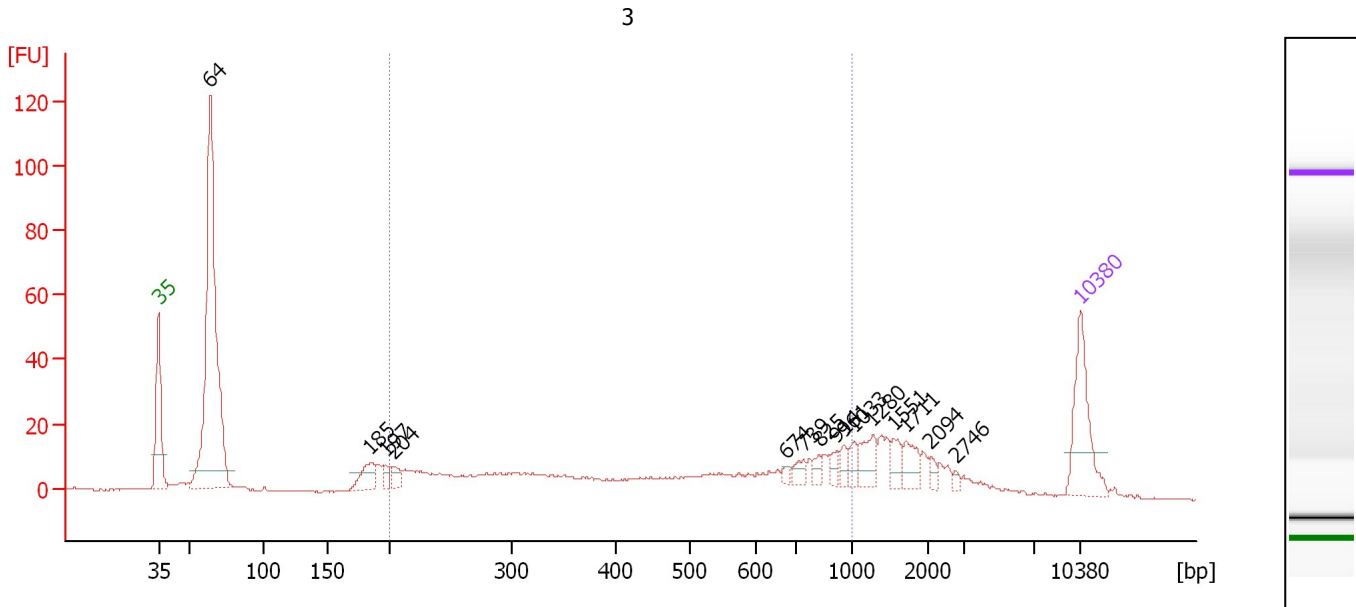
Region table for sample 5 : 2

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]
200	1,000	517	433.9	607.26	2,441.9	37	44.7

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-18\2018-01-18_001.xad

Created: 1/18/2018 10:02:16 AM
 Modified: 1/18/2018 10:44:59 AM

Electropherogram Summary Continued ...



Overall Results for sample 6 : 3

Number of peaks found: 15 Corr. Area 1: 294.9
 Noise: 0.1

Peak table for sample 6 : 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	64	584.21	13,792.0		46.92
3	185	38.47	315.4		59.09
4	197	15.20	117.1		60.20
5	204	15.21	112.9		60.89
6	674	6.38	14.3		90.64
7	739	12.45	25.5		91.97
8	825	9.90	18.2		93.17
9	914	11.12	18.4		94.42
10	961	11.85	18.7		95.06
11	1,033	13.36	19.6		95.80
12	1,280	28.98	34.3		97.23
13	1,551	17.23	16.8		98.80
14	1,711	23.82	21.1		99.72
15	2,094	6.74	4.9		101.66
16	2,746	3.96	2.2		103.50
17	10,380	75.00	10.9	Upper Marker	113.00

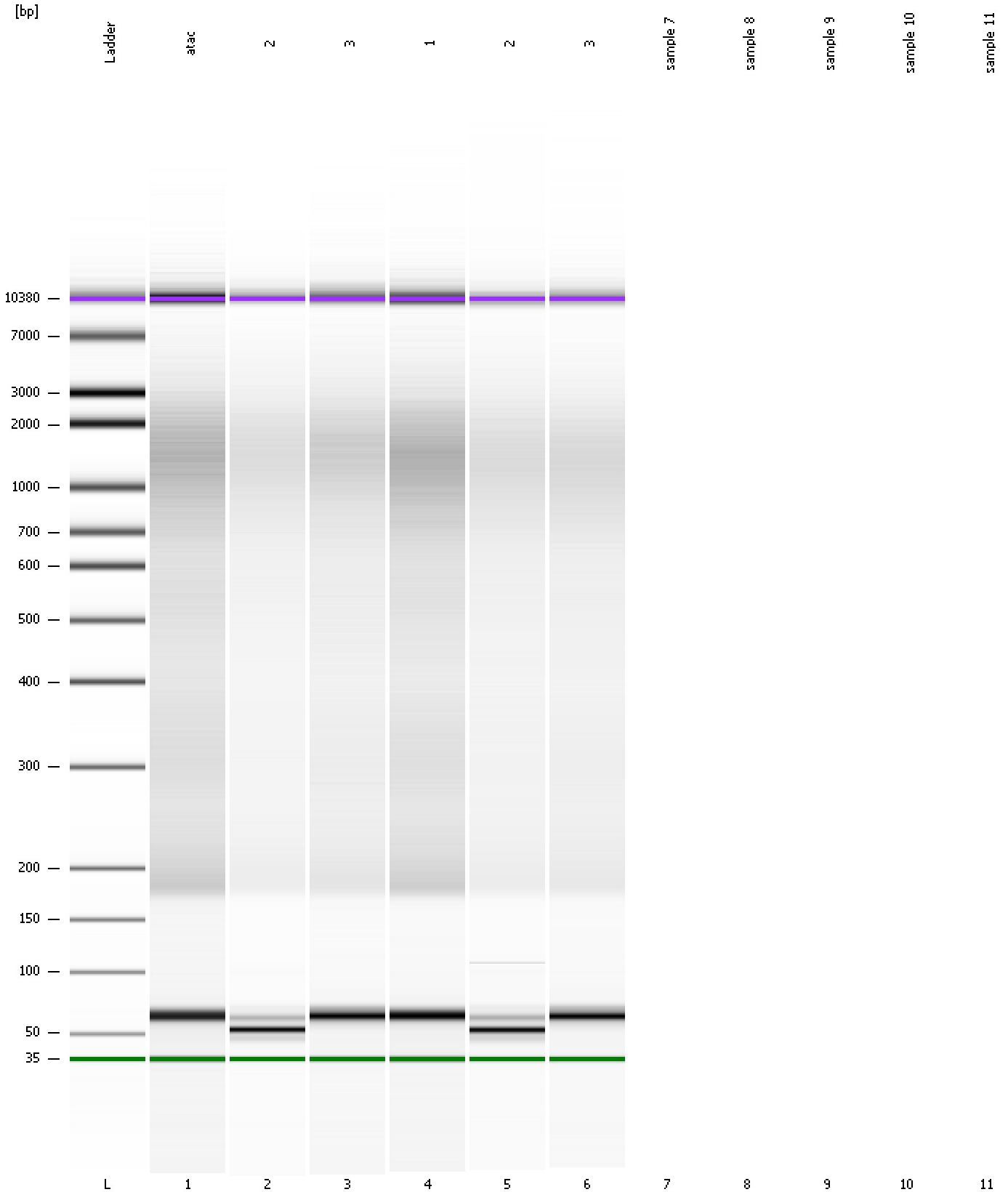
Region table for sample 6 : 3

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]
200	1,000	513	294.9	501.72	2,044.0	40	45.6

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-18\2018-01-18_001.xad

Created: 1/18/2018 10:02:16 AM
Modified: 1/18/2018 10:44:59 AM

Gel Image



Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-18\2018-01-18_001.xad

Created: 1/18/2018 10:02:16 AM
Modified: 1/18/2018 10:44:59 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.