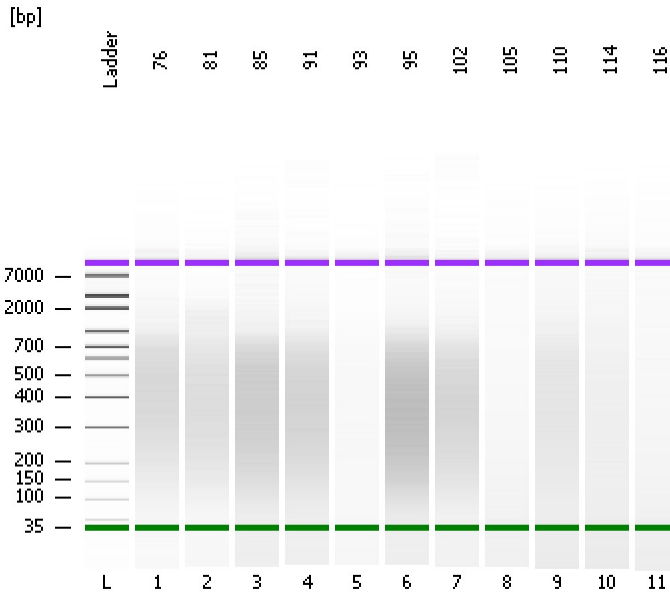


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-02\2017-05-02_001.xad

Created: 5/2/2017 8:56:44 AM
Modified: 5/2/2017 9:38:25 AM

Electrophoresis File Run Summary



Instrument Information:

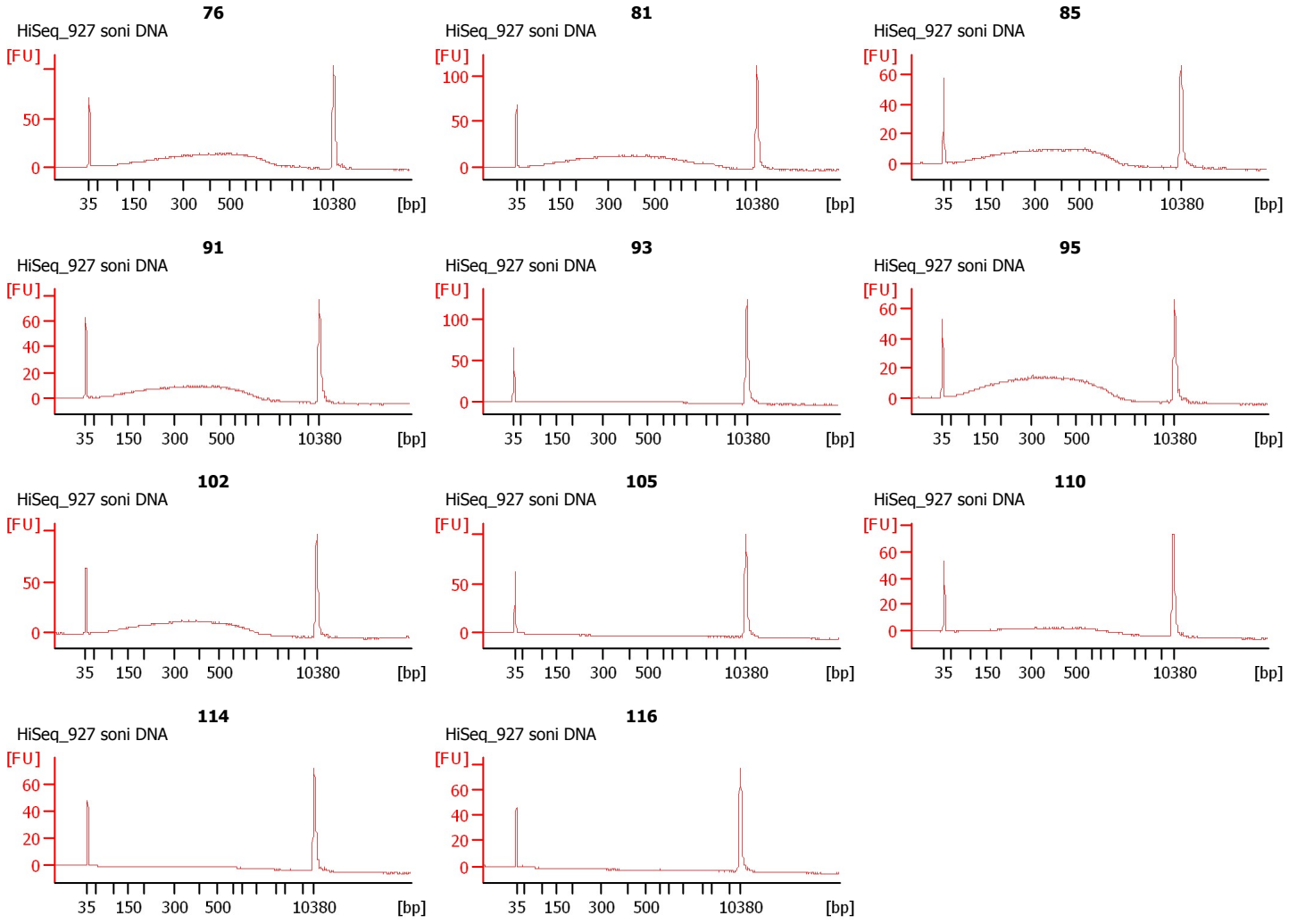
Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

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:



Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-02\2017-05-02_001.xad

Created: 5/2/2017 8:56:44 AM
Modified: 5/2/2017 9:38:25 AM

Electrophoresis File Run Summary (Chip Summary)

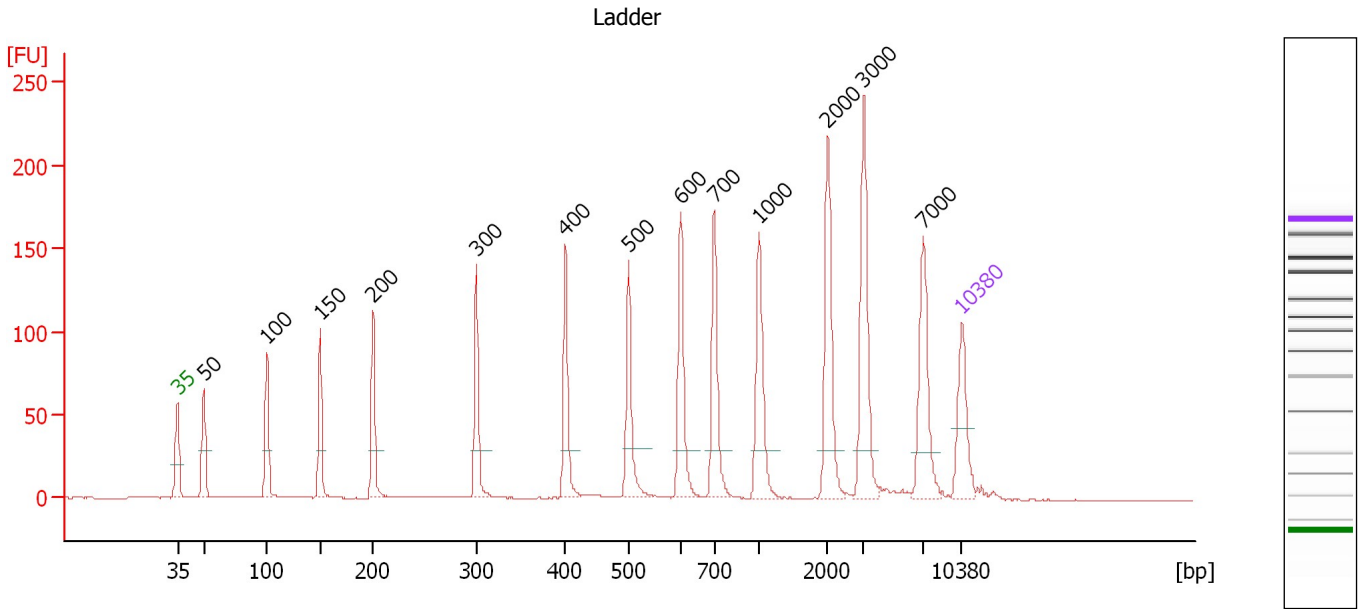
Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
76	HiSeq_927 soni DNA	<input type="checkbox"/>	✓			
81	HiSeq_927 soni DNA	<input type="checkbox"/>	✓			
85	HiSeq_927 soni DNA	<input type="checkbox"/>	✓			
91	HiSeq_927 soni DNA	<input type="checkbox"/>	✓			
93	HiSeq_927 soni DNA	<input type="checkbox"/>	✓			
95	HiSeq_927 soni DNA	<input type="checkbox"/>	✓			
102	HiSeq_927 soni DNA	<input type="checkbox"/>	✓			
105	HiSeq_927 soni DNA	<input type="checkbox"/>	✓			
110	HiSeq_927 soni DNA	<input type="checkbox"/>	✓			
114	HiSeq_927 soni DNA	<input type="checkbox"/>	✓			
116	HiSeq_927 soni DNA	<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_001.xad

Created: 5/2/2017 8:56:44 AM
 Modified: 5/2/2017 9:38:25 AM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

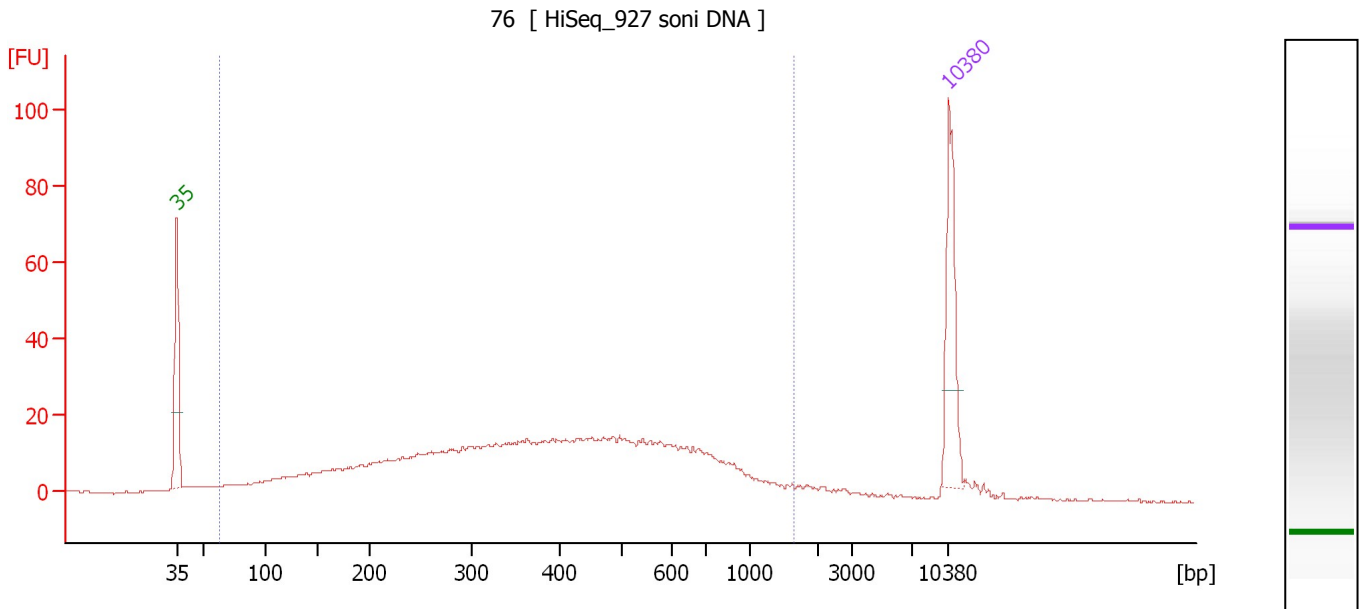
Peak table for Ladder

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	45.33
3	100	150.00	2,272.7	Ladder Peak	51.00
4	150	150.00	1,515.2	Ladder Peak	55.76
5	200	150.00	1,136.4	Ladder Peak	60.48
6	300	150.00	757.6	Ladder Peak	69.71
7	400	150.00	568.2	Ladder Peak	77.67
8	500	150.00	454.5	Ladder Peak	83.29
9	600	150.00	378.8	Ladder Peak	87.95
10	700	150.00	324.7	Ladder Peak	90.95
11	1,000	150.00	227.3	Ladder Peak	94.95
12	2,000	150.00	113.6	Ladder Peak	101.10
13	3,000	150.00	75.8	Ladder Peak	104.29
14	7,000	150.00	32.5	Ladder Peak	109.62
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_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 1 : 76

Number of peaks found: 0 Corr. Area 1: 694.3
 Noise: 0.2

Peak table for sample 1 : 76

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	10,380	75.00	10.9	Upper Marker	113.00

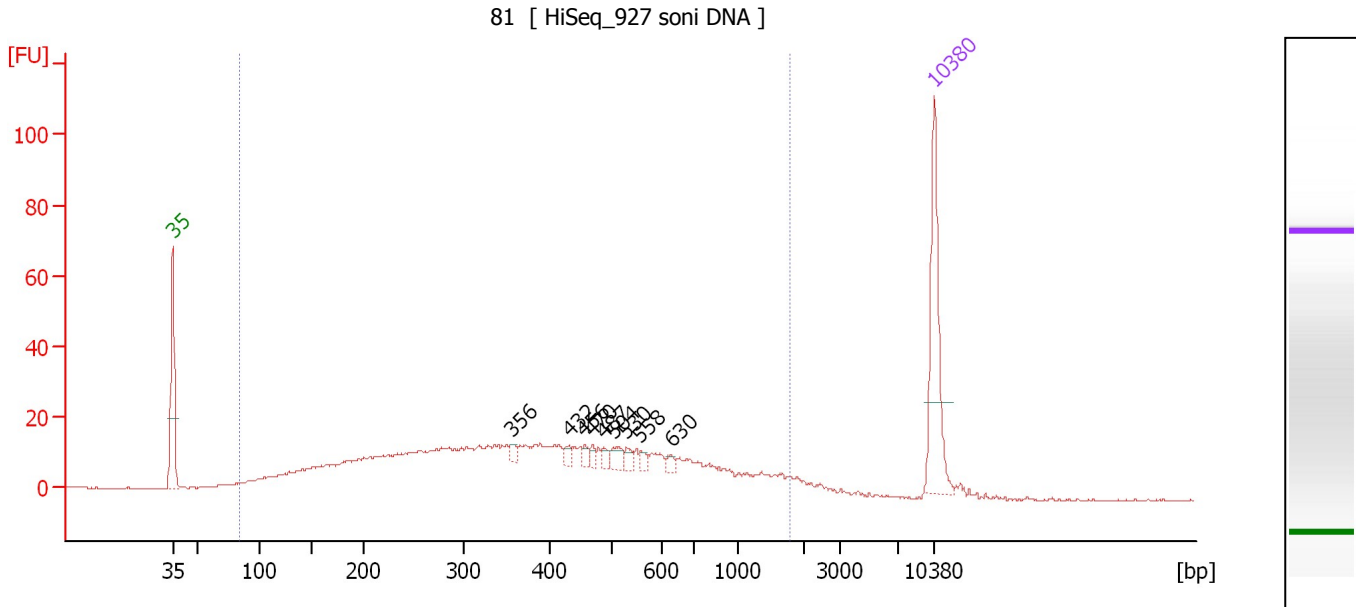
Region table for sample 1 : 76

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
63	1,659	436	694.3	5,457.3	968.74	94	56.1

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-02\2017-05-02_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 2 : 81

Number of peaks found: 9 Corr. Area 1: 674.1
 Noise: 0.2

Peak table for sample 2 : 81

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	356	5.92	25.2		74.15
3	432	6.66	23.4		79.45
4	456	5.78	19.2		80.82
5	470	5.69	18.3		81.60
6	487	6.49	20.2		82.58
7	504	11.42	34.4		83.46
8	530	6.67	19.1		84.69
9	558	5.05	13.7		86.01
10	630	5.73	13.8		88.85
11	10,380	75.00	10.9	Upper Marker	113.00

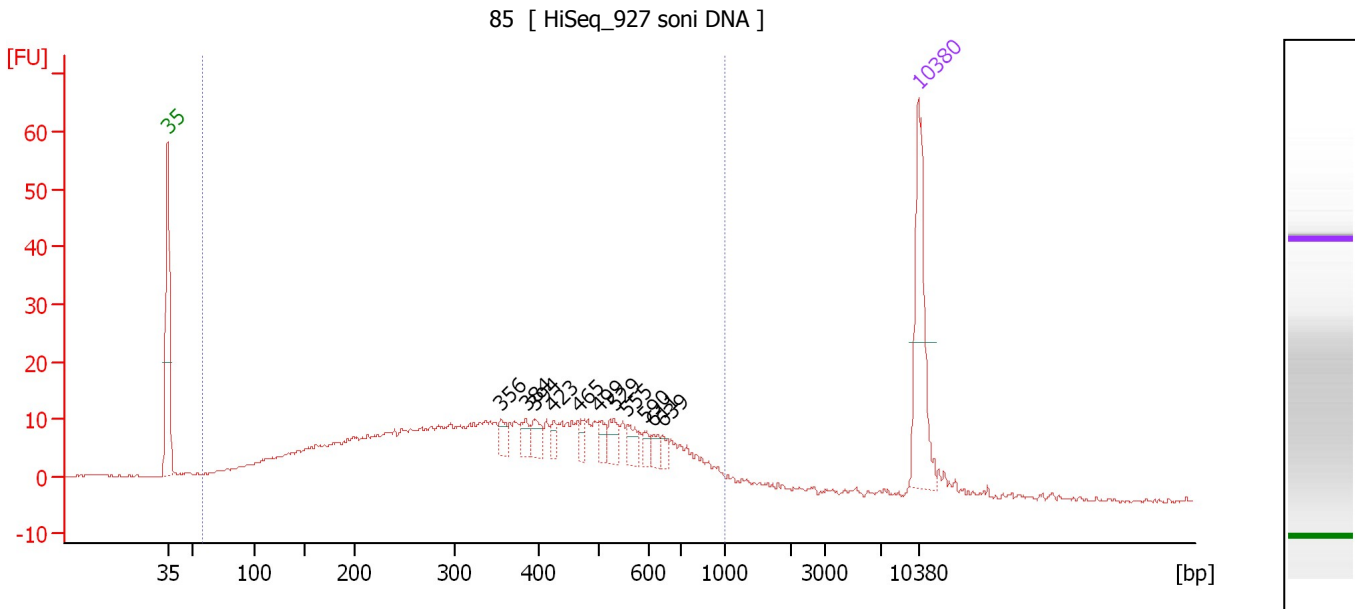
Region table for sample 2 : 81

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
84	1,790	452	674.1	5,120.3	928.73	95	66.2

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-02\2017-05-02_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 3 : 85

Number of peaks found: 11 Corr. Area 1: 546.7
 Noise: 0.2

Peak table for sample 3 : 85

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	356	12.56	53.5		74.14
3	384	12.43	49.0		76.43
4	394	16.42	63.2		77.18
5	423	9.74	34.9		78.97
6	465	9.78	31.9		81.31
7	499	11.09	33.7		83.25
8	529	15.64	44.8		84.64
9	555	13.73	37.5		85.84
10	590	8.98	23.1		87.48
11	611	7.99	19.8		88.27
12	639	6.17	14.6		89.12
13	10,380	75.00	10.9	Upper Marker	113.00

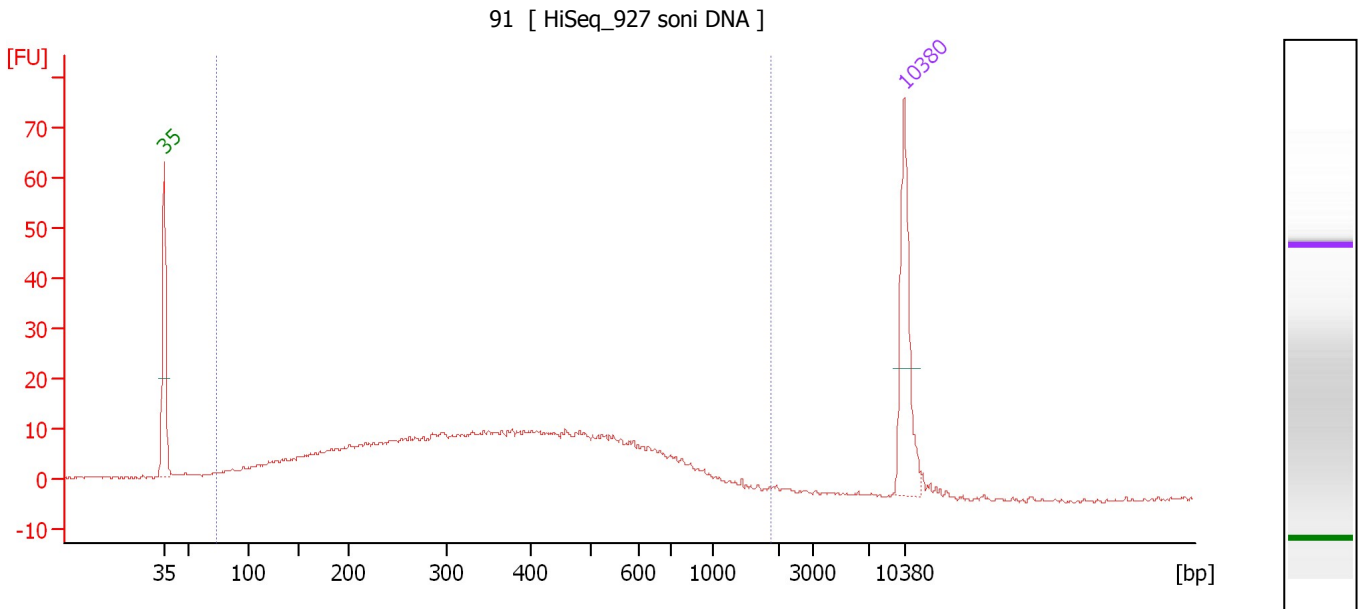
Region table for sample 3 : 85

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
58	1,000	383	546.7	6,390.2	1,047.11	95	47.3

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-02\2017-05-02_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 4 : 91

Number of peaks found: 0 Corr. Area 1: 526.8
 Noise: 0.3

Peak table for sample 4 : 91

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	10,380	75.00	10.9	Upper Marker	113.00

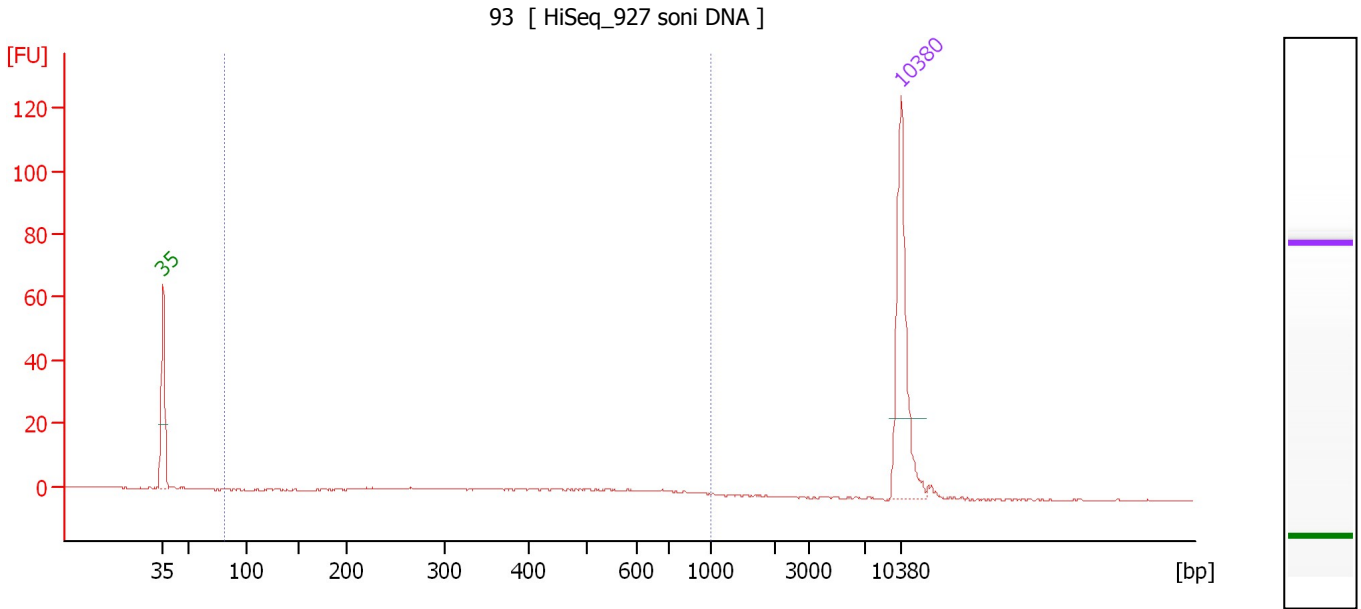
Region table for sample 4 : 91

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
73	1,886	403	526.8	5,188.3	885.12	96	55.8

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-02\2017-05-02_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 5 : 93

Number of peaks found: 0 Corr. Area 1: 37.4
 Noise: 0.2

Peak table for sample 5 : 93

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	10,380	75.00	10.9	Upper Marker	113.00

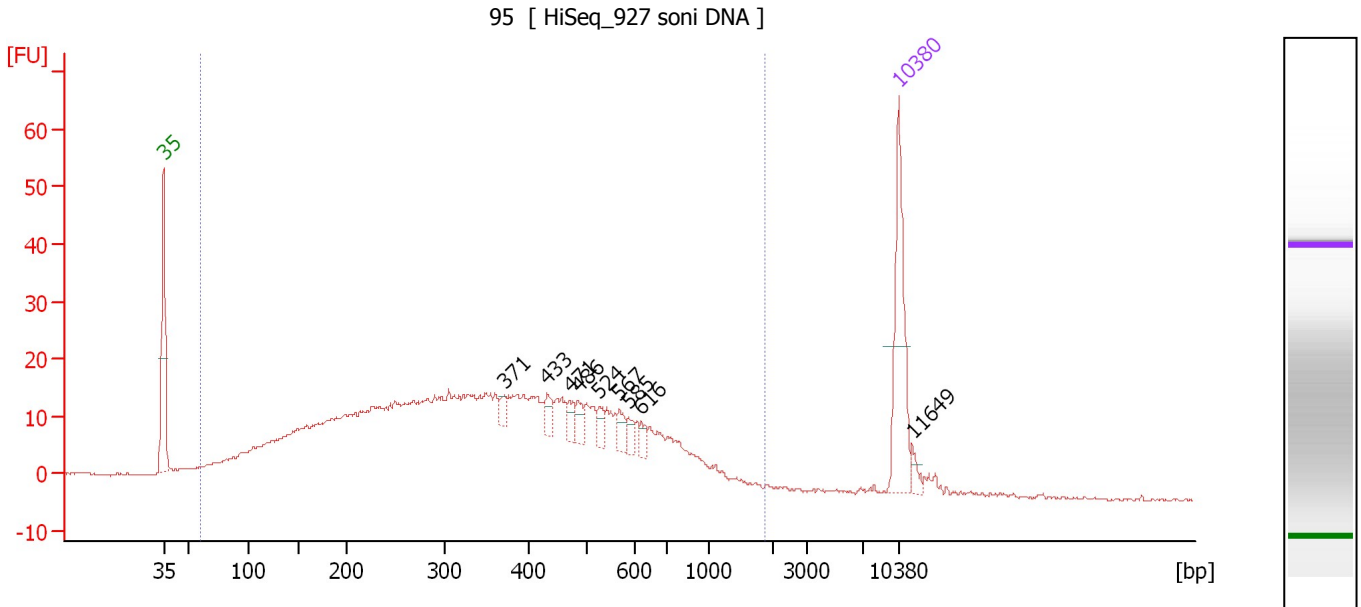
Region table for sample 5 : 93

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
81	1,000	457	37.4	144.2	35.28	91	37.6

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-02\2017-05-02_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 6 : 95

Number of peaks found: 9 Corr. Area 1: 773.5
 Noise: 0.2

Peak table for sample 6 : 95

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	371	8.02	32.7		75.39
3	433	13.64	47.8		79.50
4	471	12.05	38.7		81.68
5	486	12.18	38.0		82.49
6	524	10.13	29.3		84.42
7	567	12.64	33.8		86.40
8	585	8.19	21.2		87.26
9	616	7.99	19.7		88.43
10	10,380	75.00	10.9	Upper Marker	113.00
11	11,649	0.00	0.0		114.27

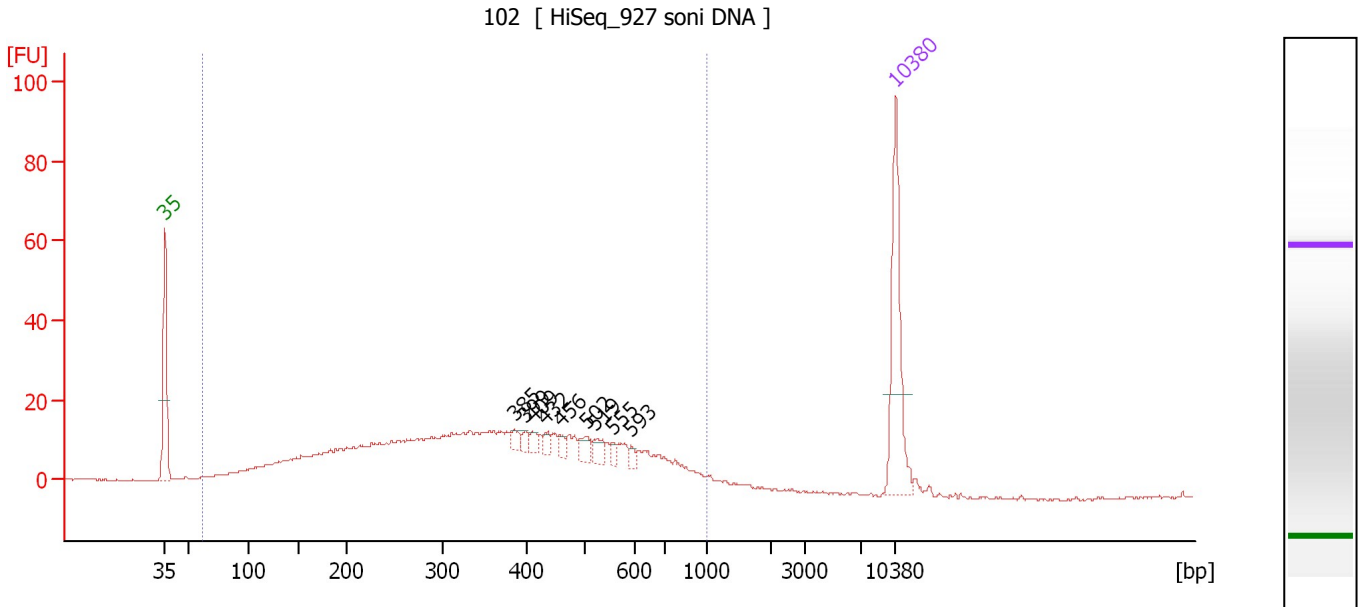
Region table for sample 6 : 95

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
61	1,875	388	773.5	9,799.2	1,567.69	97	57.1

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-02\2017-05-02_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 7 : 102

Number of peaks found: 9 Corr. Area 1: 626.2
 Noise: 0.2

Peak table for sample 7 : 102

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	385	7.28	28.6		76.49
3	399	6.02	22.9		77.57
4	409	7.55	28.0		78.18
5	432	6.11	21.4		79.46
6	456	5.53	18.4		80.83
7	502	10.74	32.4		83.39
8	519	10.59	30.9		84.15
9	555	5.28	14.4		85.84
10	593	4.46	11.4		87.62
11	10,380	75.00	10.9	Upper Marker	113.00

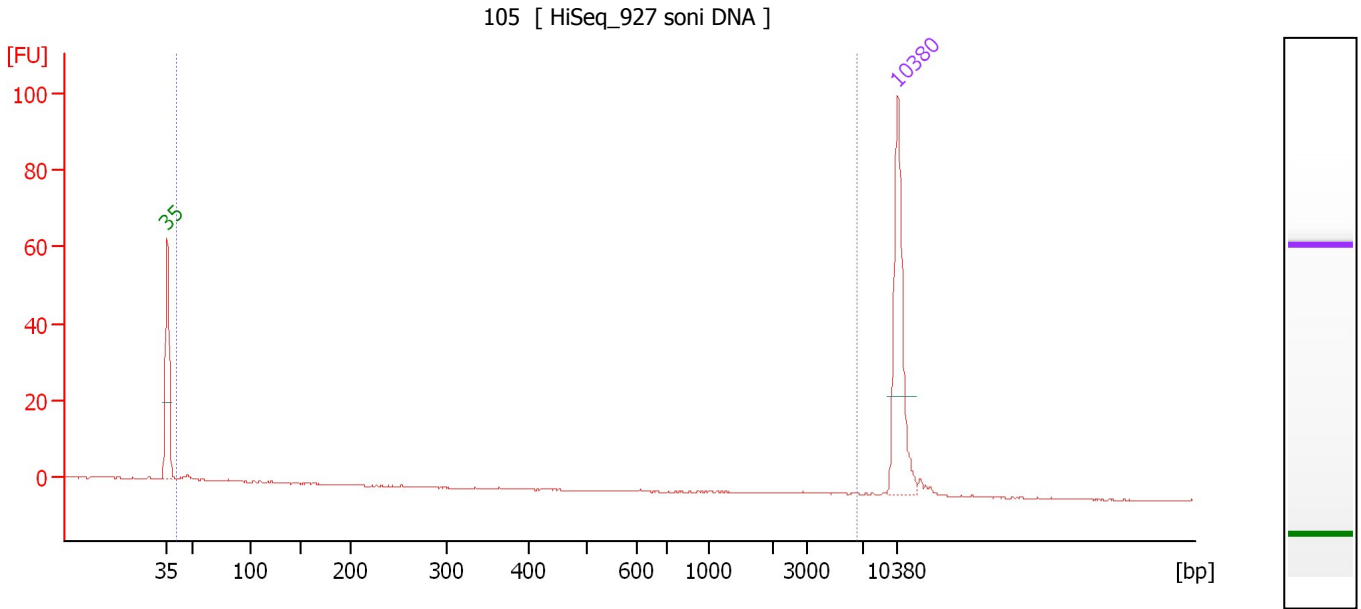
Region table for sample 7 : 102

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
62	1,000	379	626.2	5,389.0	899.03	97	46.6

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-02\2017-05-02_001.xad

Created: 5/2/2017 8:56:44 AM
 Modified: 5/2/2017 9:38:25 AM

Electropherogram Summary Continued ...



Overall Results for sample 8 : 105

Number of peaks found: 0 Corr. Area 1: 2.8
 Noise: 0.1

Peak table for sample 8 : 105

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	10,380	75.00	10.9	Upper Marker	113.00

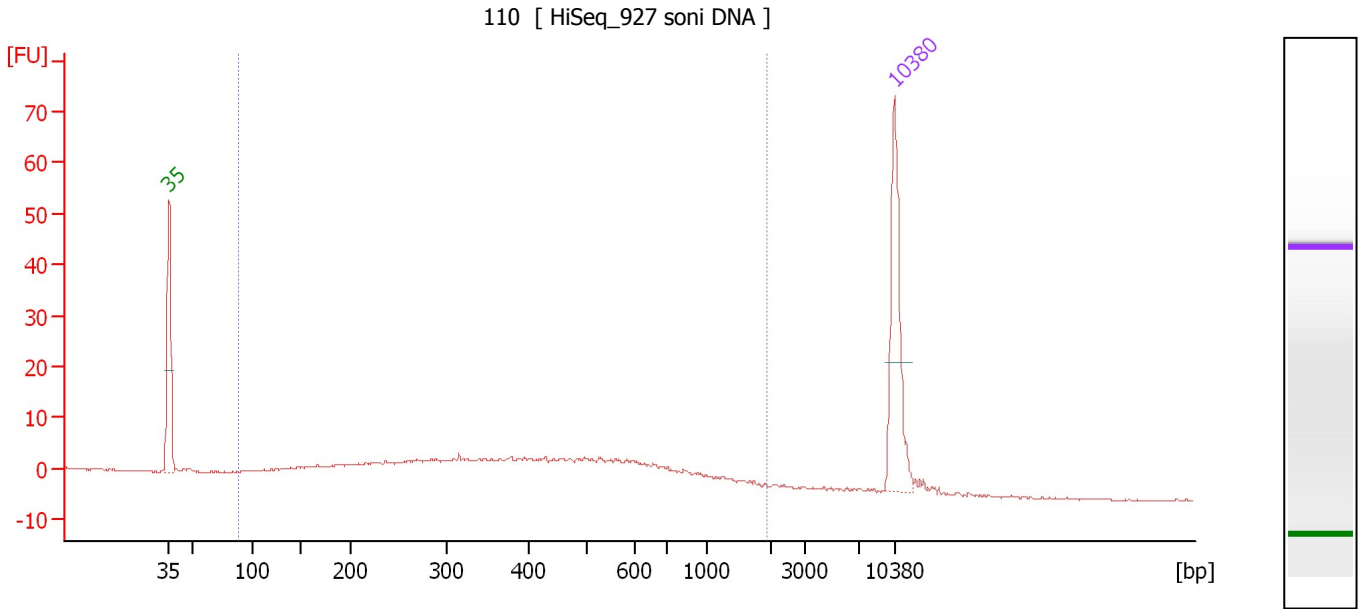
Region table for sample 8 : 105

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
41	6,625	1,727	2.8	127.4	4.46	28	100.0

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-02\2017-05-02_001.xad

Created: 5/2/2017 8:56:44 AM
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Electropherogram Summary Continued ...



Overall Results for sample 9 : 110

Number of peaks found: 0 Corr. Area 1: 201.9
 Noise: 0.1

Peak table for sample 9 : 110

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	10,380	75.00	10.9	Upper Marker	113.00

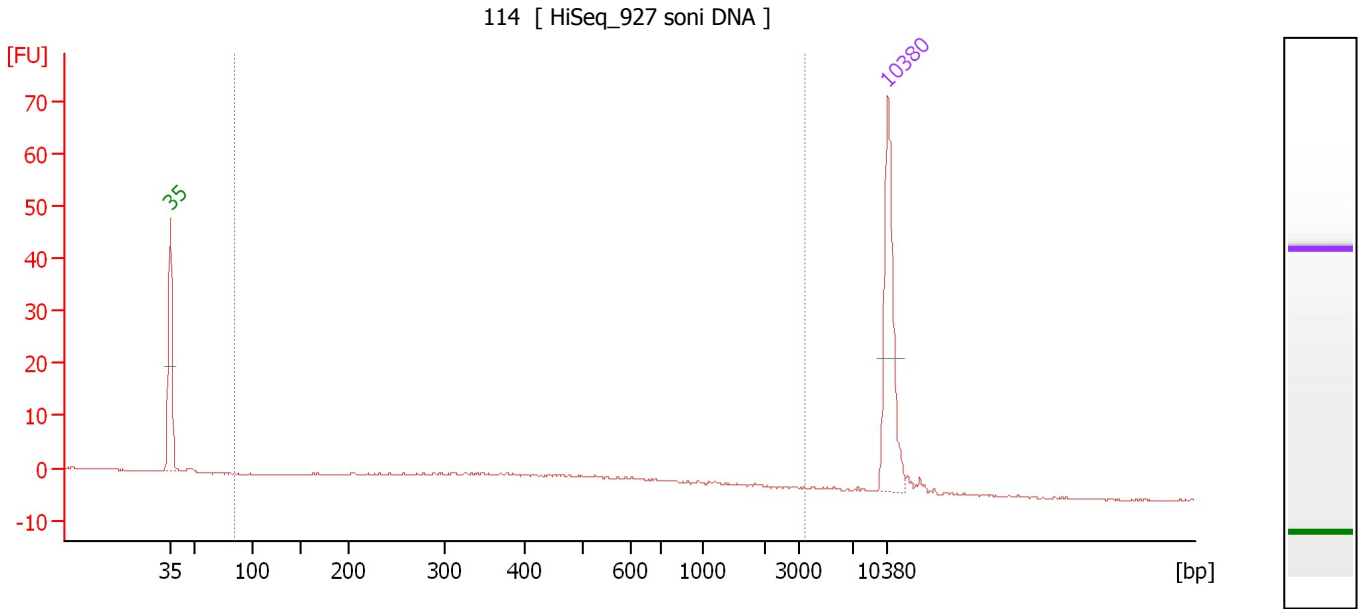
Region table for sample 9 : 110

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
89	1,947	470	201.9	1,657.1	332.23	96	60.5

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-02\2017-05-02_001.xad

Created: 5/2/2017 8:56:44 AM
 Modified: 5/2/2017 9:38:25 AM

Electropherogram Summary Continued ...



Overall Results for sample 10 : 114

Number of peaks found: 0 Corr. Area 1: 46.9
 Noise: 0.1

Peak table for sample 10 : 114

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	10,380	75.00	10.9	Upper Marker	113.00

Region table for sample 10 : 114

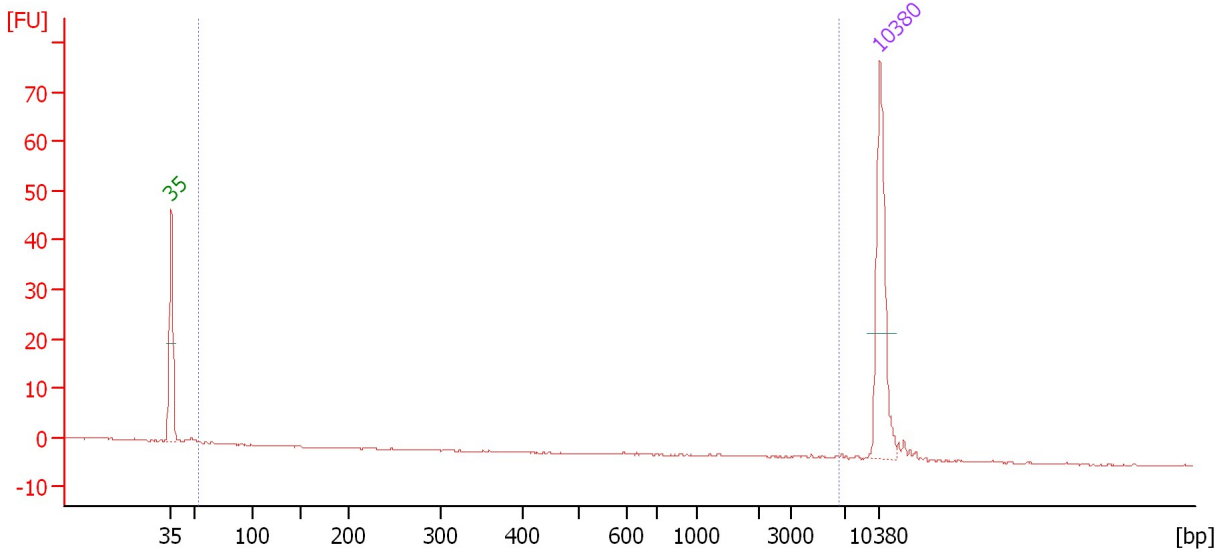
From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
85	3,521	617	46.9	287.2	74.67	88	80.5

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-02\2017-05-02_001.xad

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Electropherogram Summary Continued ...

116 [HiSeq_927 soni DNA]



Overall Results for sample 11 : 116

Number of peaks found: 0 Corr. Area 1: 0.2
 Noise: 0.1

Peak table for sample 11 : 116

Pea k	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	10,380	75.00	10.9	Upper Marker	113.00

Region table for sample 11 : 116

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
53	6,474	4,745	0.2	0.1	0.21	3	30.5

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-02\2017-05-02_001.xad

Created: 5/2/2017 8:56:44 AM
Modified: 5/2/2017 9:38:25 AM

Gel Image

