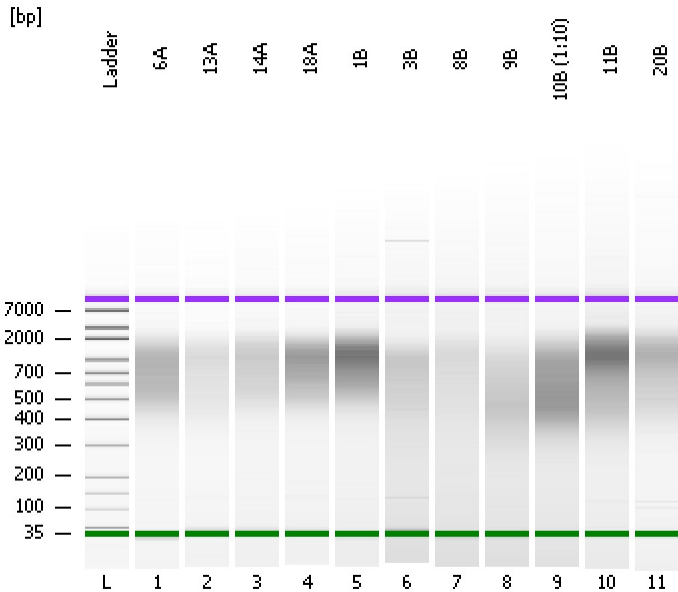


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-14\2018-03-14_002.xad

Created: 3/14/2018 3:24:26 PM
Modified: 3/14/2018 4:05:45 PM

Electrophoresis File Run Summary



Instrument Information:

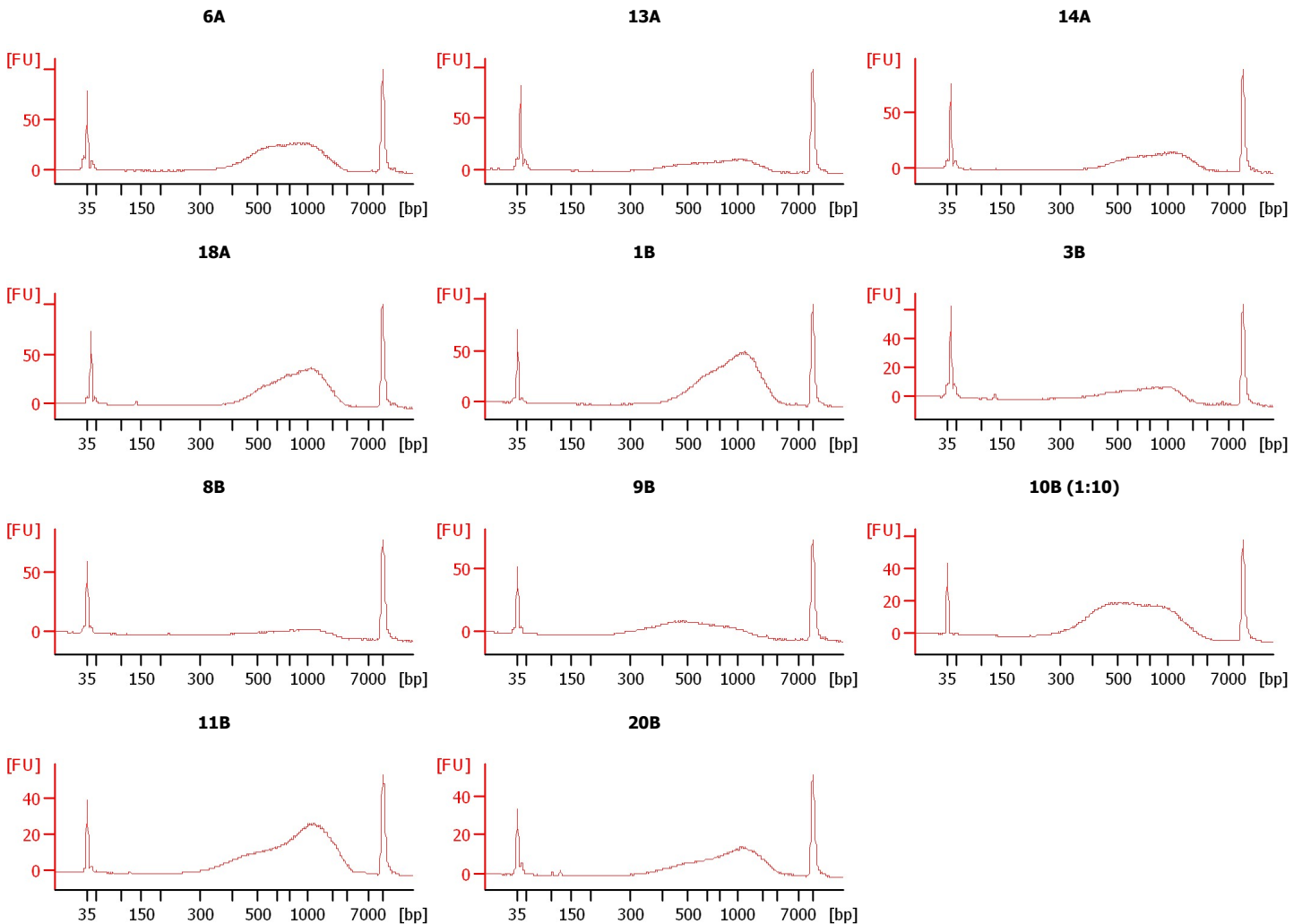
Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

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\2018-03-14\2018-03-14_002.xad

Created: 3/14/2018 3:24:26 PM
 Modified: 3/14/2018 4:05:45 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
6A		<input type="checkbox"/>	✓			
13A		<input type="checkbox"/>	✓			
14A		<input type="checkbox"/>	✓			
18A		<input type="checkbox"/>	✓			
1B		<input type="checkbox"/>	✓			
3B		<input type="checkbox"/>	✓			
8B		<input type="checkbox"/>	✓			
9B		<input type="checkbox"/>	✓			
10B (1:10)		<input type="checkbox"/>	✓			
11B		<input type="checkbox"/>	✓			
20B		<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

Chip Lot #

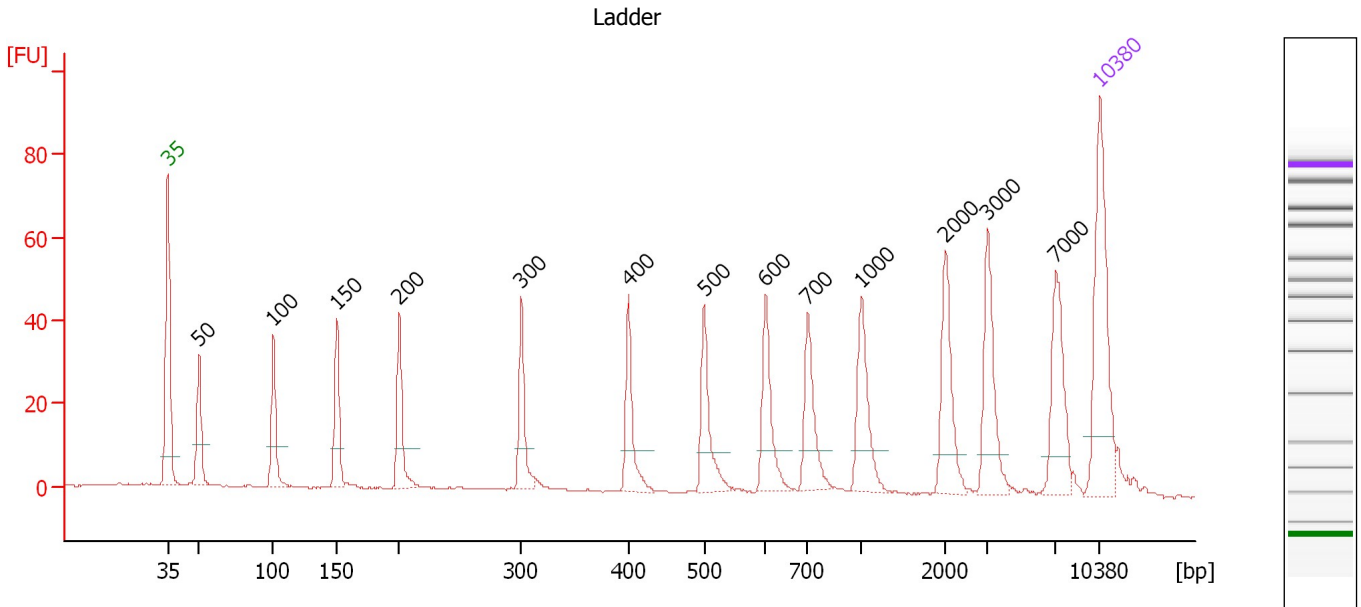
Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-14\2018-03-14_002.xad

Created: 3/14/2018 3:24:26 PM
 Modified: 3/14/2018 4:05:45 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

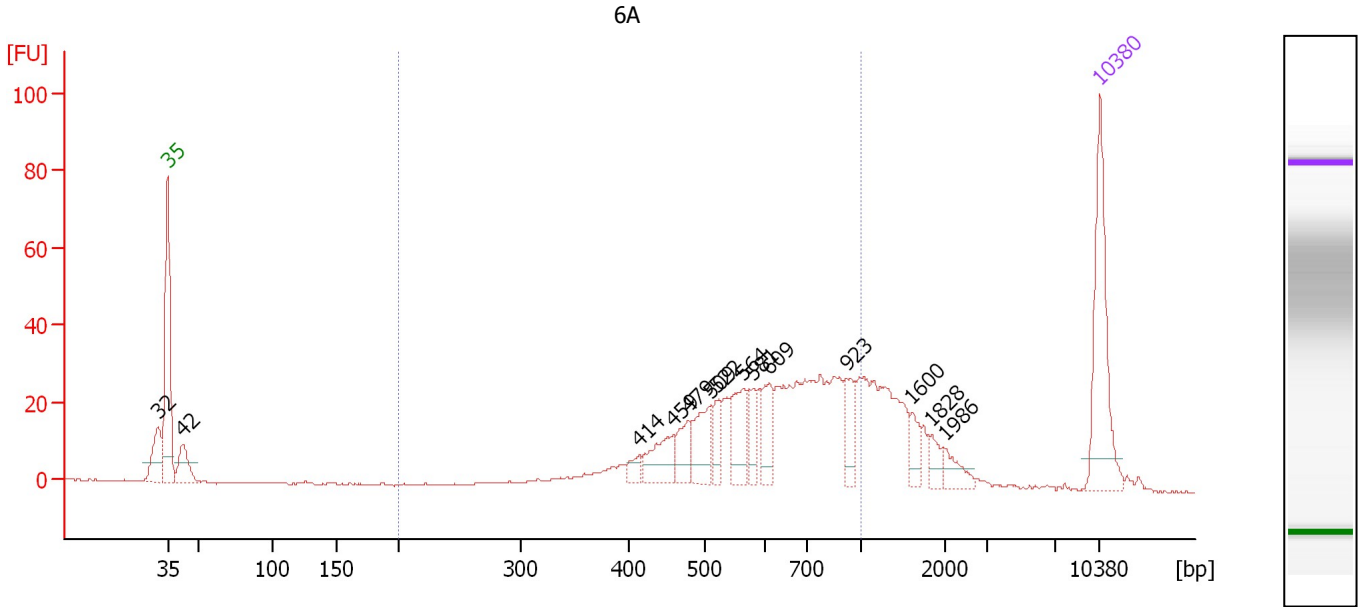
Peak table for Ladder

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	45.31
3	100	150.00	2,272.7	Ladder Peak	50.92
4	150	150.00	1,515.2	Ladder Peak	55.69
5	200	150.00	1,136.4	Ladder Peak	60.36
6	300	150.00	757.6	Ladder Peak	69.56
7	400	150.00	568.2	Ladder Peak	77.58
8	500	150.00	454.5	Ladder Peak	83.29
9	600	150.00	378.8	Ladder Peak	87.86
10	700	150.00	324.7	Ladder Peak	91.06
11	1,000	150.00	227.3	Ladder Peak	95.09
12	2,000	150.00	113.6	Ladder Peak	101.39
13	3,000	150.00	75.8	Ladder Peak	104.59
14	7,000	150.00	32.5	Ladder Peak	109.70
15	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-14\2018-03-14_002.xad

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 Modified: 3/14/2018 4:05:45 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : 6A

Number of peaks found: 14 Corr. Area 1: 478.5
 Noise: 0.2

Peak table for sample 1 : 6A

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	32	0.00	0.0		42.26
2	35	125.00	5,411.3	Lower Marker	43.00
3	42	35.39	1,264.8		44.14
4	414	9.97	36.4		78.40
5	459	35.41	117.0		80.92
6	479	25.29	80.1		82.07
7	509	38.59	114.9		83.70
8	522	19.06	55.3		84.30
9	564	38.53	103.4		86.23
10	581	20.30	53.0		86.97
11	609	28.26	70.3		88.16
12	923	24.06	39.5		94.06
13	1,600	13.31	12.6		98.87
14	1,828	10.79	8.9		100.31
15	1,986	12.85	9.8		101.30
16	10,380	75.00	10.9	Upper Marker	113.00

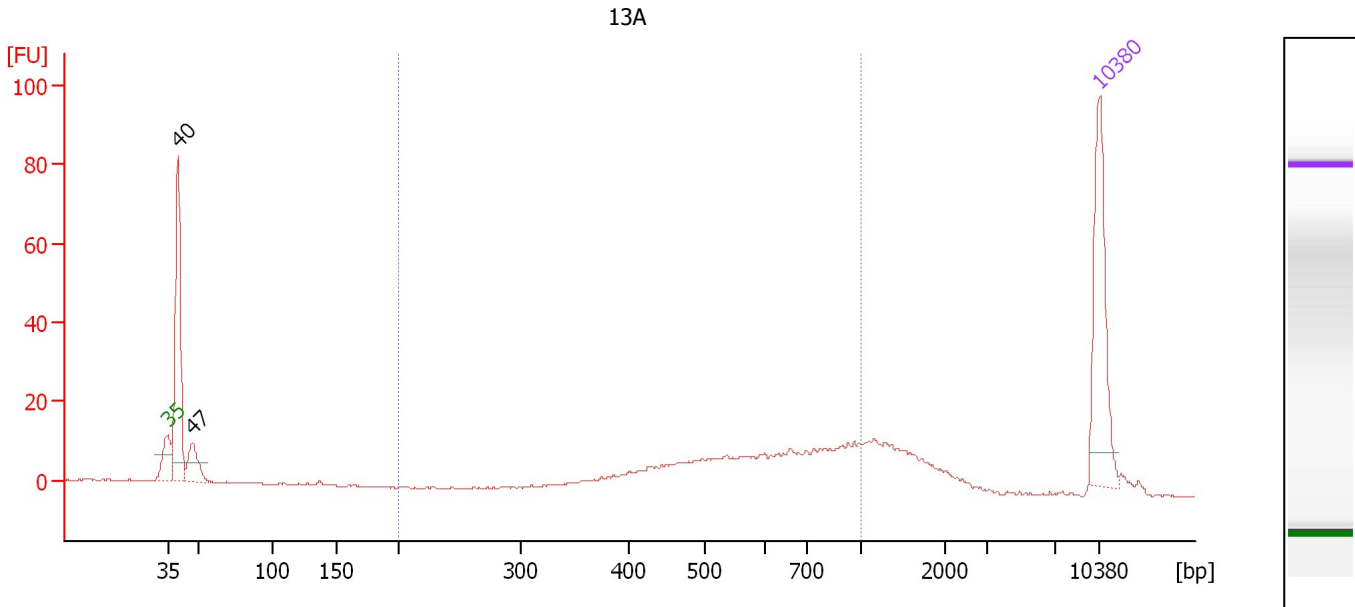
Region table for sample 1 : 6A

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	628	478.5	535.72	1,428.0	68	26.6

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-14\2018-03-14_002.xad

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 Modified: 3/14/2018 4:05:45 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : 13A

Number of peaks found: 2 Corr. Area 1: 184.2
 Noise: 0.3

Peak table for sample 2 : 13A

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	40	165.88	6,315.3		43.74
3	47	35.61	1,152.1		44.82
4	10,380	75.00	10.9	Upper Marker	113.00

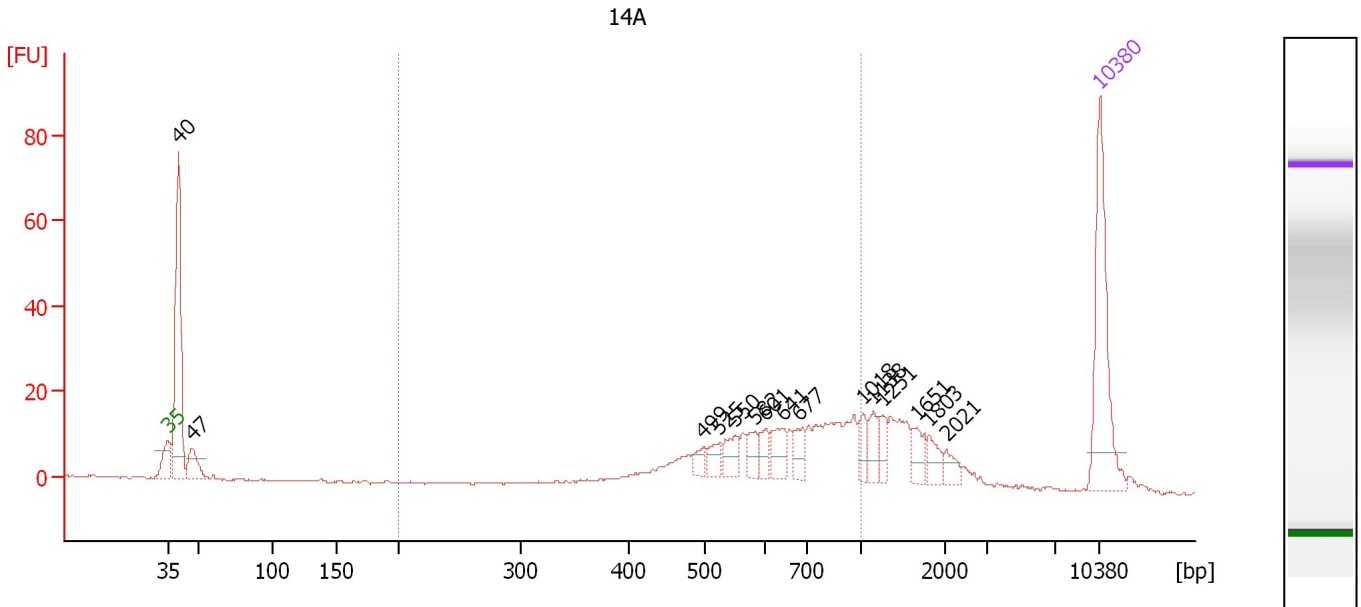
Region table for sample 2 : 13A

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	623	184.2	208.86	562.8	48	27.8

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-14\2018-03-14_002.xad

Created: 3/14/2018 3:24:26 PM
 Modified: 3/14/2018 4:05:45 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : 14A

Number of peaks found: 15 Corr. Area 1: 232.3
 Noise: 0.2

Peak table for sample 3 : 14A

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	40	163.05	6,190.8		43.76
3	47	27.76	899.1		44.81
4	499	9.52	28.9		83.22
5	525	11.95	34.5		84.43
6	550	16.06	44.2		85.58
7	582	12.76	33.2		87.05
8	601	10.69	26.9		87.90
9	641	18.39	43.5		89.16
10	677	13.98	31.3		90.32
11	1,018	11.37	16.9		95.21
12	1,138	14.25	19.0		95.97
13	1,251	11.20	13.6		96.67
14	1,651	13.41	12.3		99.19
15	1,803	11.06	9.3		100.15
16	2,021	8.78	6.6		101.46
17	10,380	75.00	10.9	Upper Marker	113.00

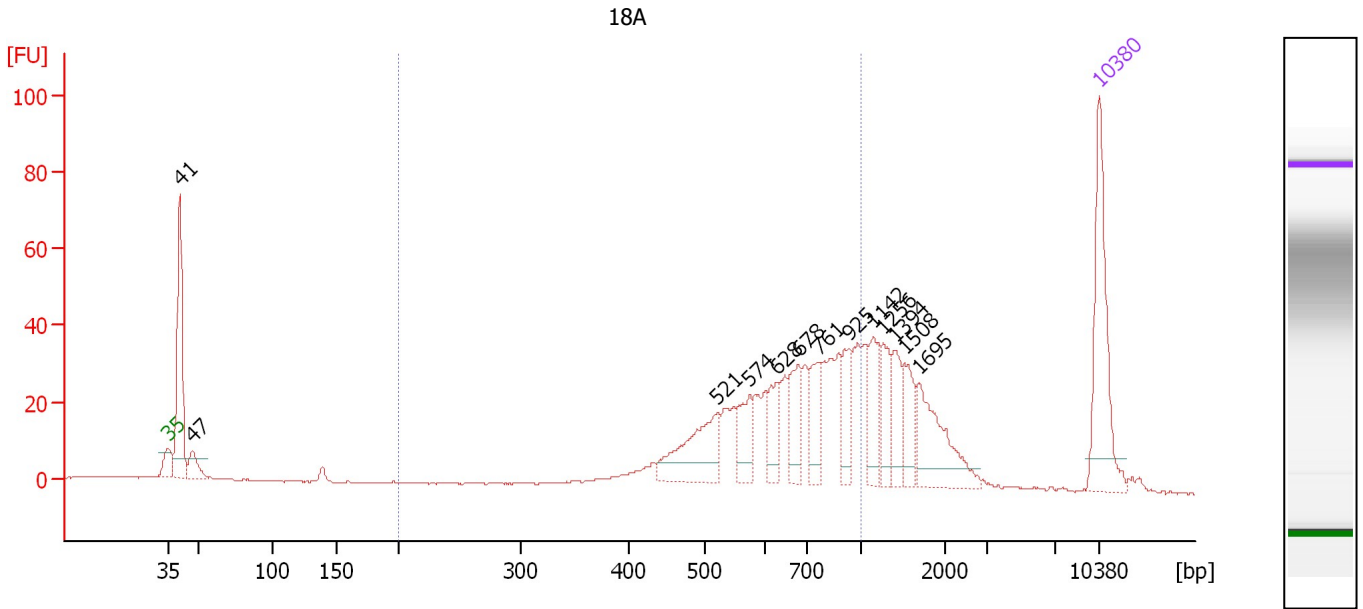
Region table for sample 3 : 14A

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	645	232.3	284.96	733.7	50	25.7

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-14\2018-03-14_002.xad

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 Modified: 3/14/2018 4:05:45 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : 18A

Number of peaks found: 13 Corr. Area 1: 455.0
 Noise: 0.2

Peak table for sample 4 : 18A

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	41	140.01	5,218.3		43.87
3	47	21.92	707.2		44.84
4	521	69.86	203.1		84.25
5	574	29.57	78.1		86.66
6	628	26.81	64.7		88.76
7	678	36.96	82.6		90.35
8	761	32.04	63.7		91.89
9	925	28.75	47.1		94.09
10	1,142	34.43	45.7		95.99
11	1,256	27.00	32.6		96.70
12	1,394	26.26	28.5		97.58
13	1,508	25.56	25.7		98.29
14	1,695	57.97	51.8		99.47
15	10,380	75.00	10.9	Upper Marker	113.00

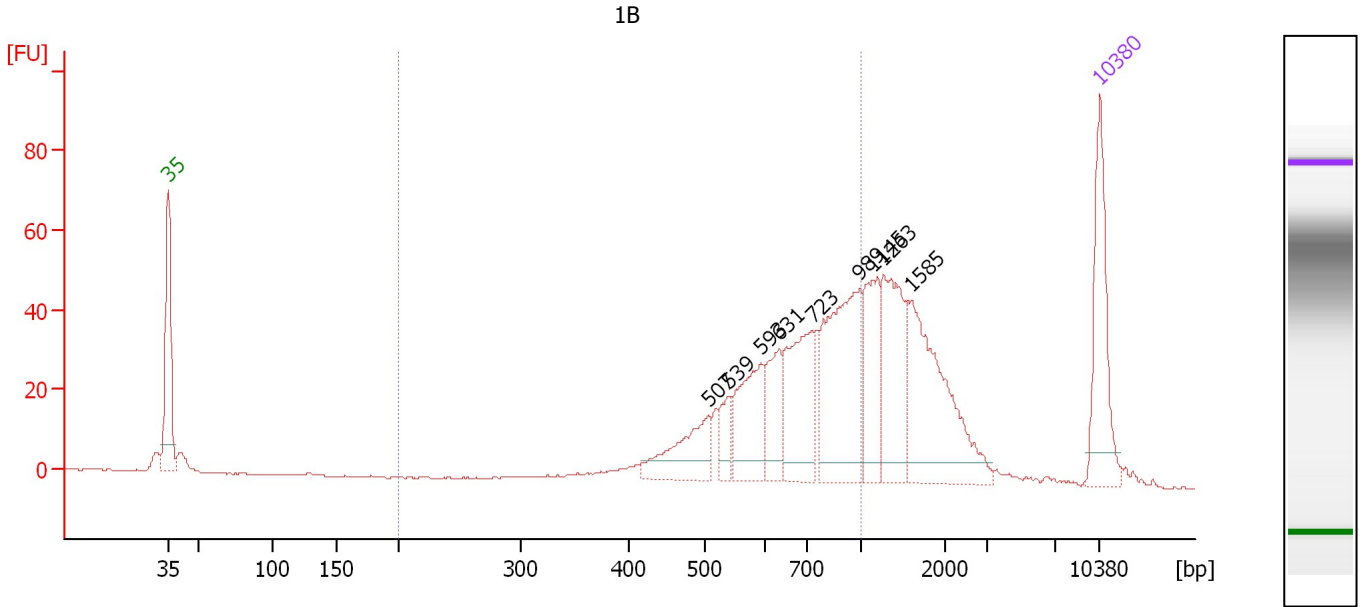
Region table for sample 4 : 18A

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	666	455.0	487.69	1,214.8	56	24.9

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-14\2018-03-14_002.xad

Created: 3/14/2018 3:24:26 PM
 Modified: 3/14/2018 4:05:45 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : 1B

Number of peaks found: 9 Corr. Area 1: 497.4
 Noise: 0.2

Peak table for sample 5 : 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	507	64.02	191.4		83.59
3	539	24.58	69.0		85.09
4	593	75.76	193.6		87.54
5	631	49.54	118.9		88.87
6	723	98.18	205.7		91.37
7	989	149.89	229.7		94.94
8	1,145	62.93	83.3		96.01
9	1,263	98.42	118.0		96.75
10	1,585	135.22	129.3		98.78
11	10,380	75.00	10.9	Upper Marker	113.00

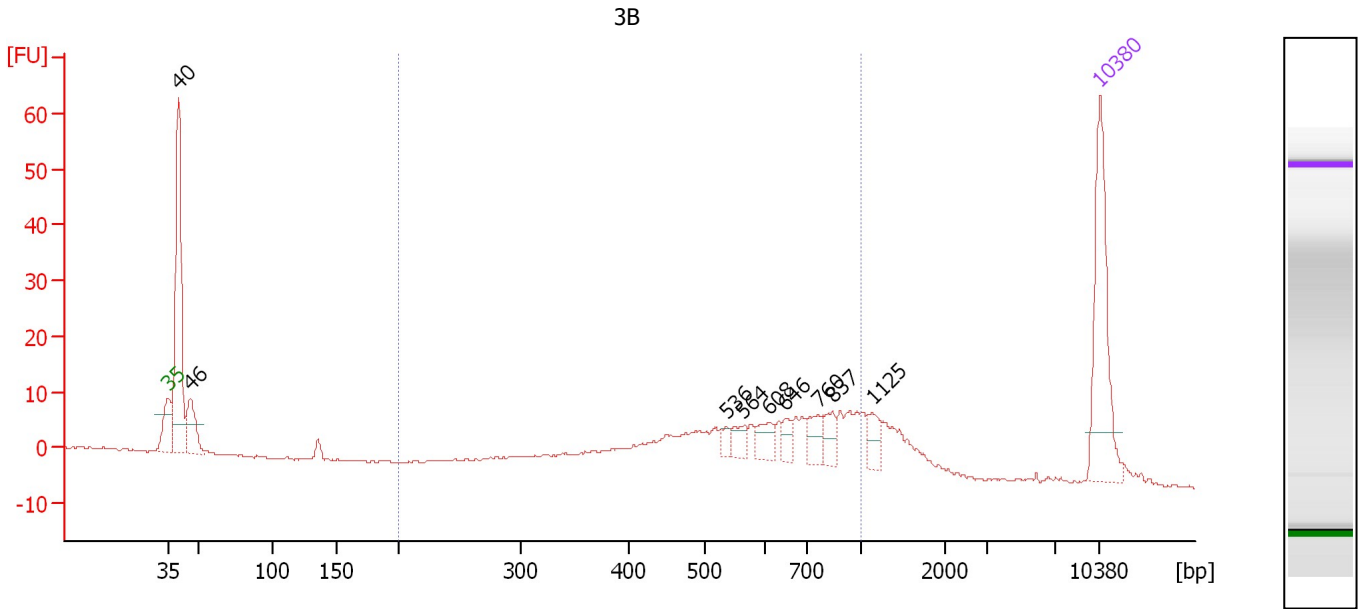
Region table for sample 5 : 1B

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	682	497.4	534.76	1,287.1	56	24.0

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-14\2018-03-14_002.xad

Created: 3/14/2018 3:24:26 PM
 Modified: 3/14/2018 4:05:45 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : 3B

Number of peaks found: 9 Corr. Area 1: 186.5
 Noise: 0.1

Peak table for sample 6 : 3B

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	40	181.21	6,817.4		43.81
3	46	40.39	1,333.5		44.68
4	536	7.17	20.3		84.93
5	564	11.22	30.1		86.24
6	608	15.08	37.6		88.13
7	646	9.73	22.8		89.32
8	760	16.66	33.2		91.87
9	837	13.93	25.2		92.90
10	1,125	13.67	18.4		95.88
11	10,380	75.00	10.9	Upper Marker	113.00

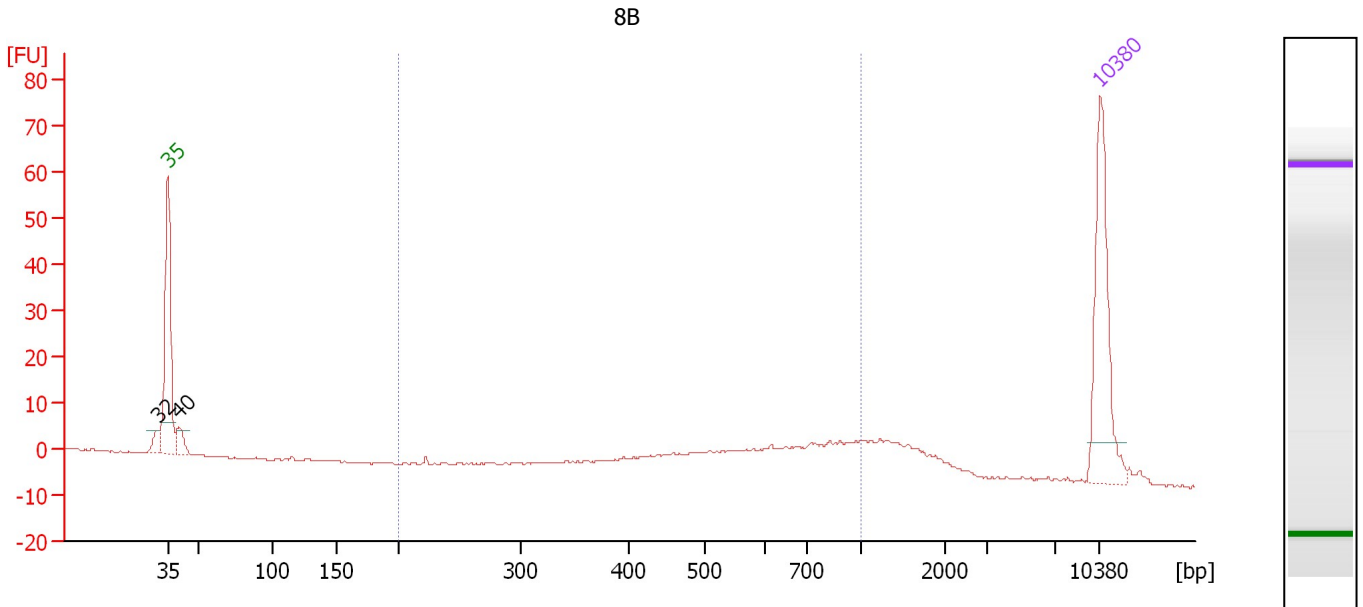
Region table for sample 6 : 3B

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	607	186.5	288.86	824.9	56	30.0

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-14\2018-03-14_002.xad

Created: 3/14/2018 3:24:26 PM
 Modified: 3/14/2018 4:05:45 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 8B

Number of peaks found: 2 Corr. Area 1: 101.7
 Noise: 0.2

Peak table for sample 7 : 8B

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	32	0.00	0.0		42.21
2	35	125.00	5,411.3	Lower Marker	43.00
3	40	16.41	620.1		43.79
4	10,380	75.00	10.9	Upper Marker	113.00

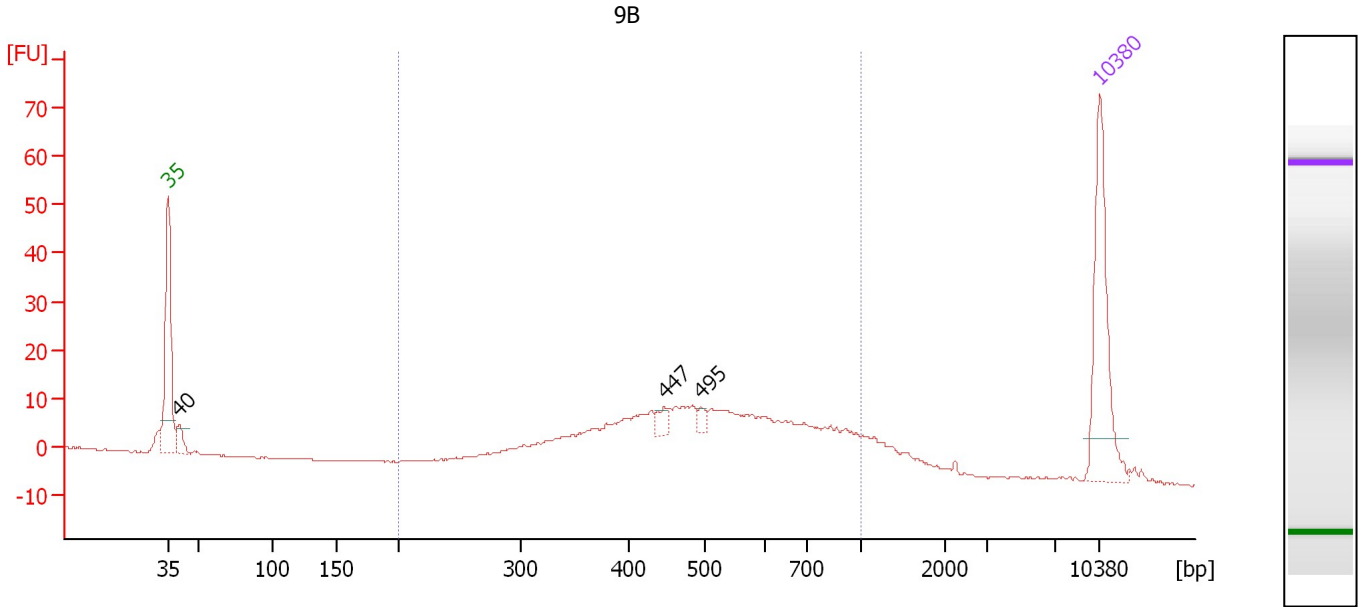
Region table for sample 7 : 8B

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	627	101.7	125.23	338.8	60	28.3

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-14\2018-03-14_002.xad

Created: 3/14/2018 3:24:26 PM
 Modified: 3/14/2018 4:05:45 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : 9B

Number of peaks found: 3 Corr. Area 1: 285.0
 Noise: 0.1

Peak table for sample 8 : 9B

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	40	15.91	599.5		43.80
3	447	9.37	31.8		80.27
4	495	5.93	18.1		83.02
5	10,380	75.00	10.9	Upper Marker	113.00

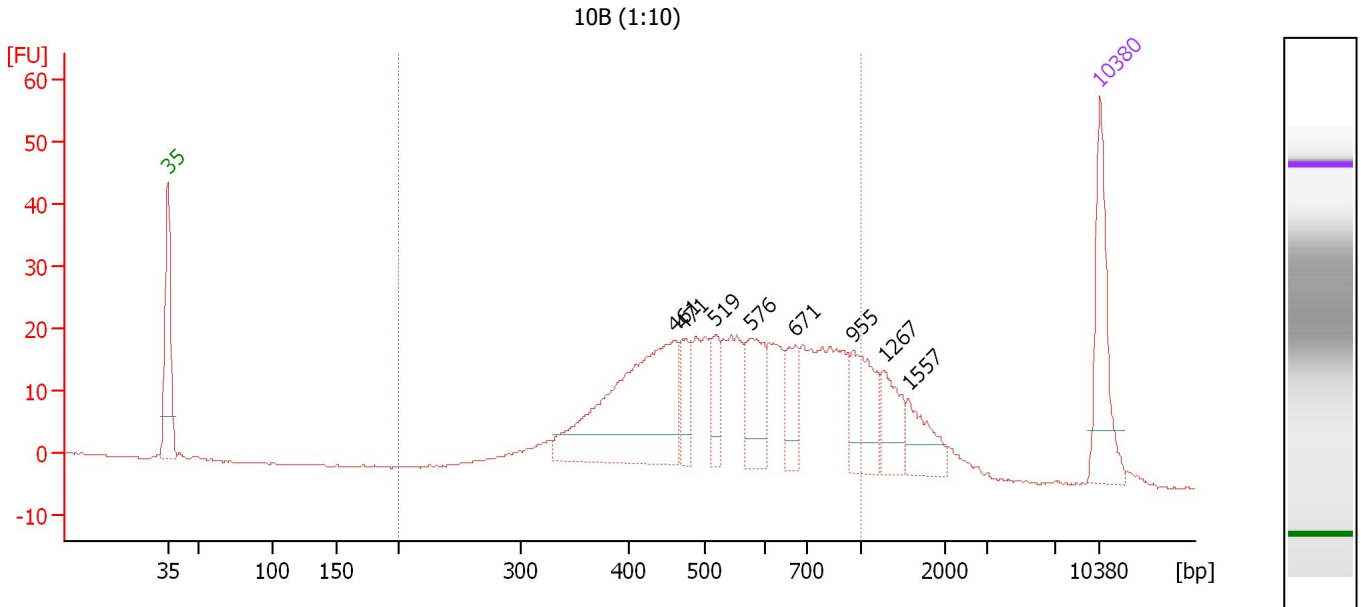
Region table for sample 8 : 9B

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	531	285.0	392.17	1,270.8	86	31.3

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-14\2018-03-14_002.xad

Created: 3/14/2018 3:24:26 PM
 Modified: 3/14/2018 4:05:45 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : 10B (1:10)

Number of peaks found: 8 Corr. Area 1: 482.5
 Noise: 0.1

Peak table for sample 9 : 10B (1:10)

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	461	265.76	872.7		81.09
3	471	35.53	114.4		81.61
4	519	37.84	110.5		84.14
5	576	68.45	179.9		86.79
6	671	38.87	87.8		90.14
7	955	67.42	107.0		94.49
8	1,267	44.33	53.0		96.78
9	1,557	39.01	38.0		98.60
10	10,380	75.00	10.9	Upper Marker	113.00

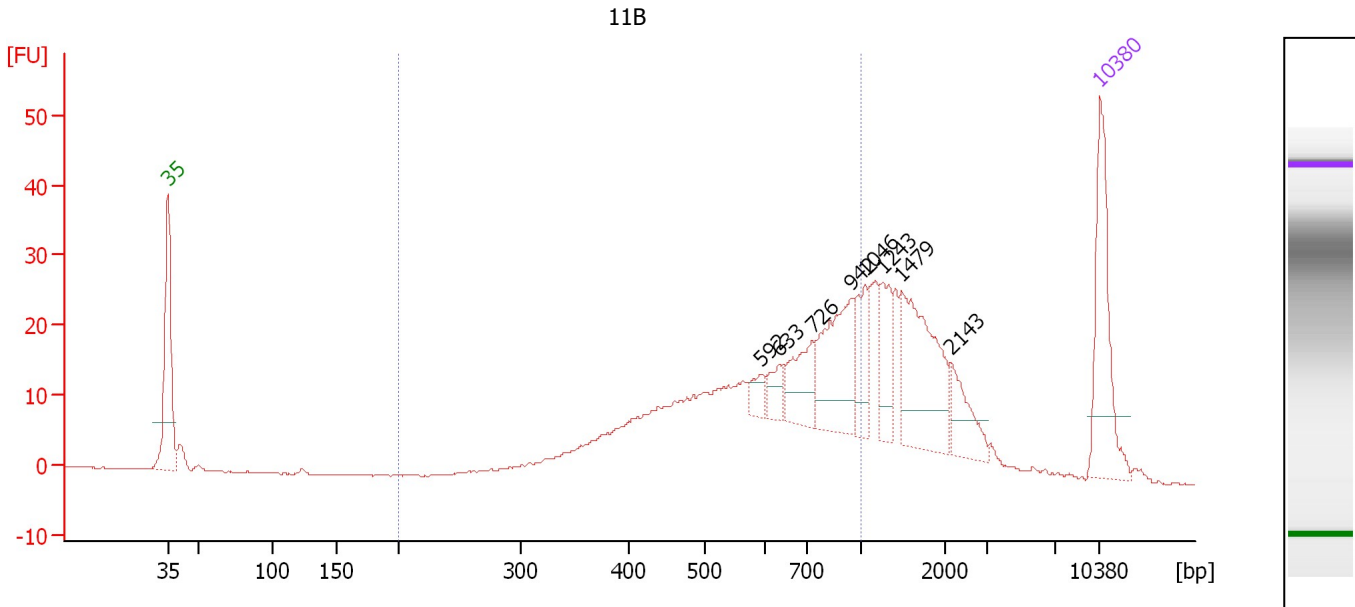
Region table for sample 9 : 10B (1:10)

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	565	482.5	922.86	2,781.9	84	29.9

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-14\2018-03-14_002.xad

Created: 3/14/2018 3:24:26 PM
 Modified: 3/14/2018 4:05:45 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : 11B

Number of peaks found: 8 Corr. Area 1: 332.5
 Noise: 0.1

Peak table for sample 10 : 11B

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	592	13.81	35.4		87.49
3	633	17.84	42.7		88.92
4	726	46.73	97.6		91.41
5	942	83.27	133.9		94.31
6	1,046	35.43	51.3		95.38
7	1,243	34.65	42.2		96.63
8	1,479	100.66	103.1		98.11
9	2,143	30.60	21.6		101.85
10	10,380	75.00	10.9	Upper Marker	113.00

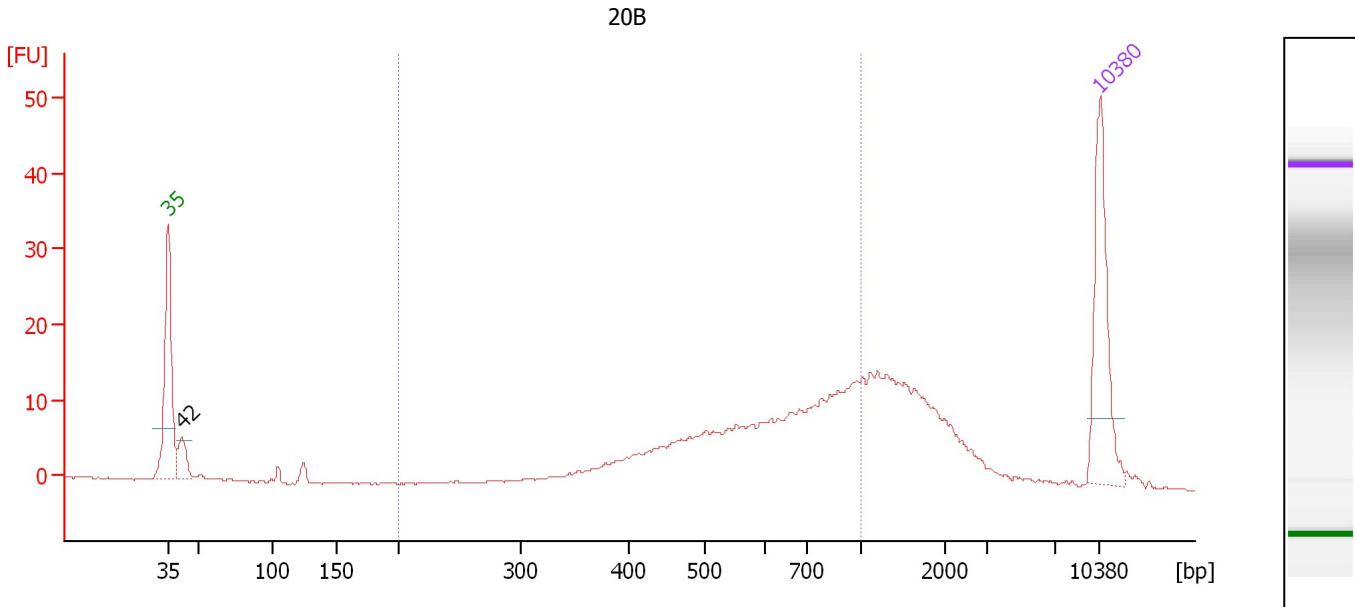
Region table for sample 10 : 11B

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	621	332.5	651.91	1,811.7	60	30.0

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-14\2018-03-14_002.xad

Created: 3/14/2018 3:24:26 PM
 Modified: 3/14/2018 4:05:45 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : 20B

Number of peaks found: 1 Corr. Area 1: 170.8
 Noise: 0.1

Peak table for sample 11 : 20B

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	42	27.54	994.8		44.07
3	10,380	75.00	10.9	Upper Marker	113.00

Region table for sample 11 : 20B

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	632	170.8	360.76	968.2	57	28.4

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-14\2018-03-14_002.xad

Created: 3/14/2018 3:24:26 PM
Modified: 3/14/2018 4:05:45 PM

Gel Image

