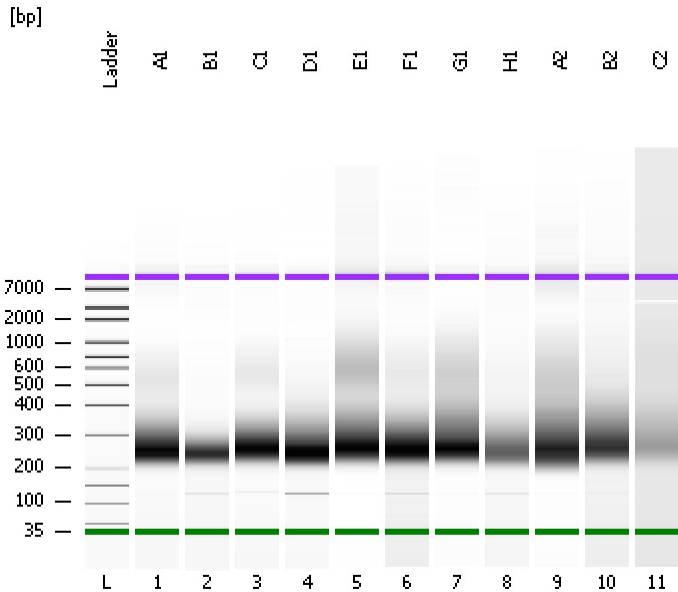


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-18\2017-09-18_002.xad

Created: 9/18/2017 11:54:59 AM
Modified: 9/18/2017 12:36:20 PM

Electrophoresis File Run Summary



Instrument Information:

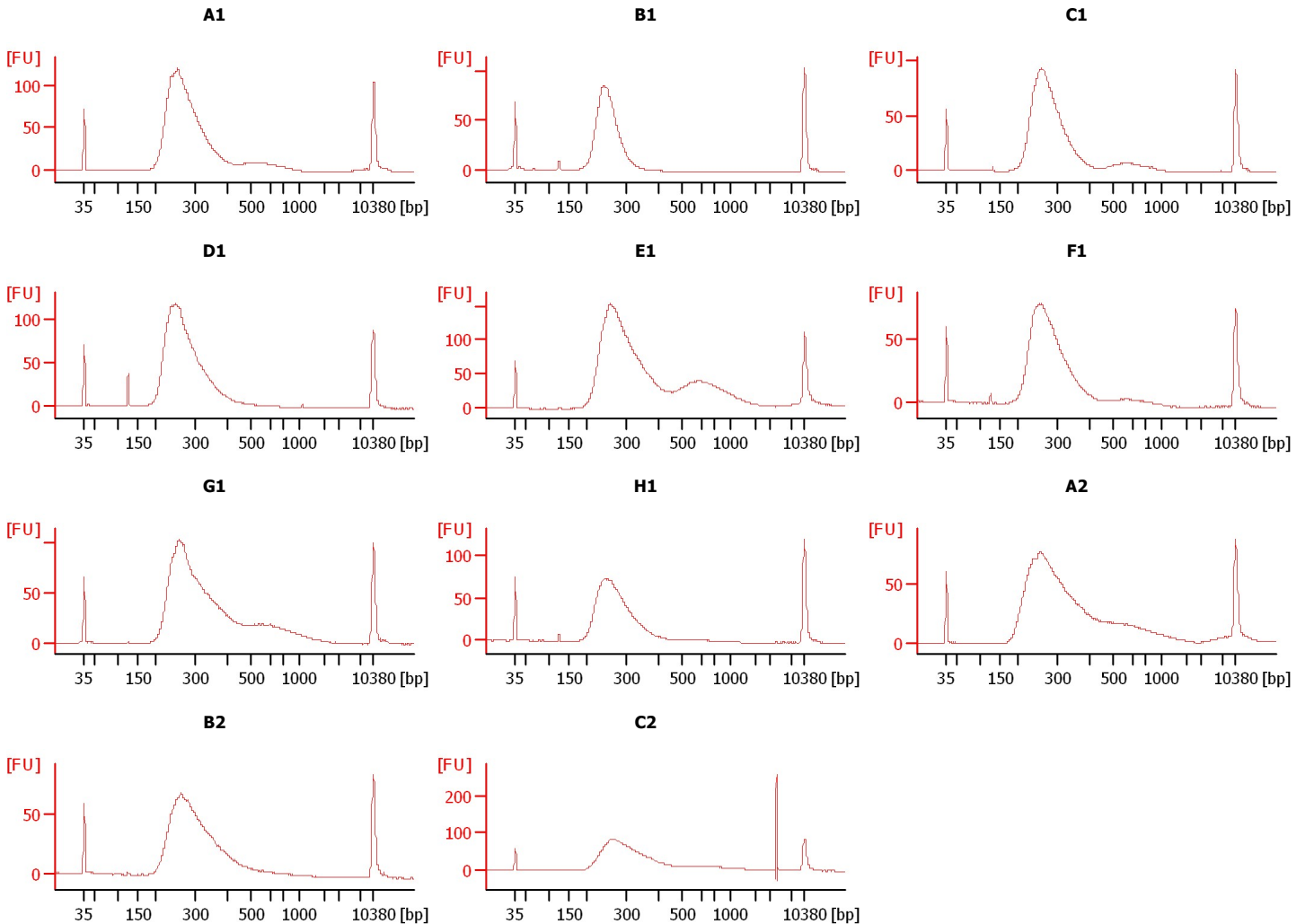
Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

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:



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-18\2017-09-18_002.xad

Created: 9/18/2017 11:54:59 AM
 Modified: 9/18/2017 12:36:20 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
A1		<input type="checkbox"/>	✓			
B1		<input type="checkbox"/>	✓			
C1		<input type="checkbox"/>	✓			
D1		<input type="checkbox"/>	✓			
E1		<input type="checkbox"/>	✓			
F1		<input type="checkbox"/>	✓			
G1		<input type="checkbox"/>	✓			
H1		<input type="checkbox"/>	✓			
A2		<input type="checkbox"/>	✓			
B2		<input type="checkbox"/>	✓			
C2		<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

Chip Lot #

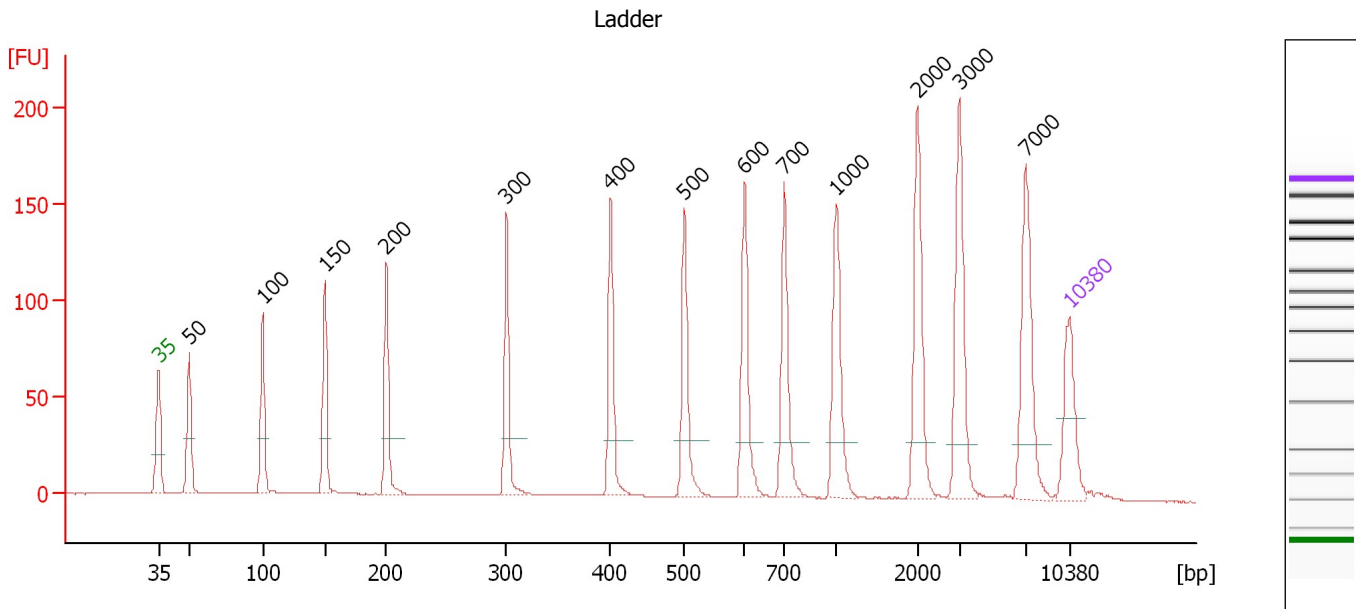
Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-18\2017-09-18_002.xad

Created: 9/18/2017 11:54:59 AM
 Modified: 9/18/2017 12:36:20 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

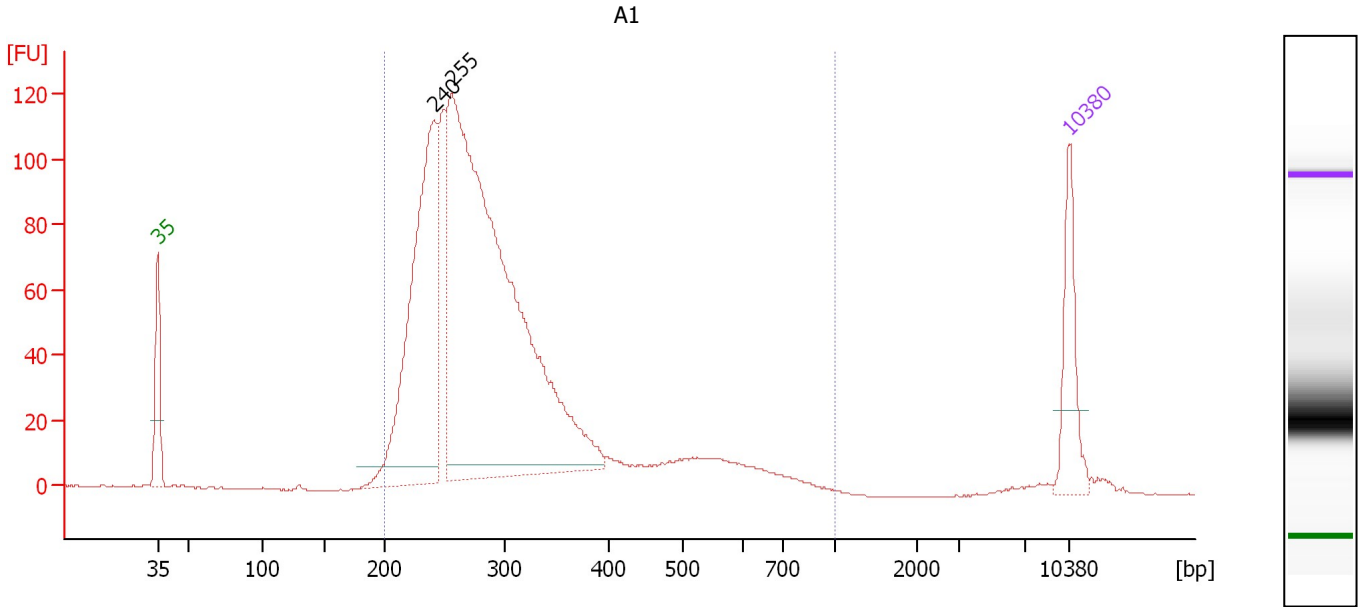
Peak table for Ladder

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	45.34
3	100	150.00	2,272.7	Ladder Peak	50.99
4	150	150.00	1,515.2	Ladder Peak	55.78
5	200	150.00	1,136.4	Ladder Peak	60.51
6	300	150.00	757.6	Ladder Peak	69.75
7	400	150.00	568.2	Ladder Peak	77.74
8	500	150.00	454.5	Ladder Peak	83.43
9	600	150.00	378.8	Ladder Peak	88.02
10	700	150.00	324.7	Ladder Peak	91.09
11	1,000	150.00	227.3	Ladder Peak	95.11
12	2,000	150.00	113.6	Ladder Peak	101.33
13	3,000	150.00	75.8	Ladder Peak	104.58
14	7,000	150.00	32.5	Ladder Peak	109.65
15	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-18\2017-09-18_002.xad

Created: 9/18/2017 11:54:59 AM
 Modified: 9/18/2017 12:36:20 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : A1

Number of peaks found: 2 Corr. Area 1: 1,724.7
 Noise: 0.2

Peak table for sample 1 : A1

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	240	529.23	3,336.8		64.23
3	255	1,283.75	7,624.5		65.60
4	10,380	75.00	10.9	Upper Marker	113.00

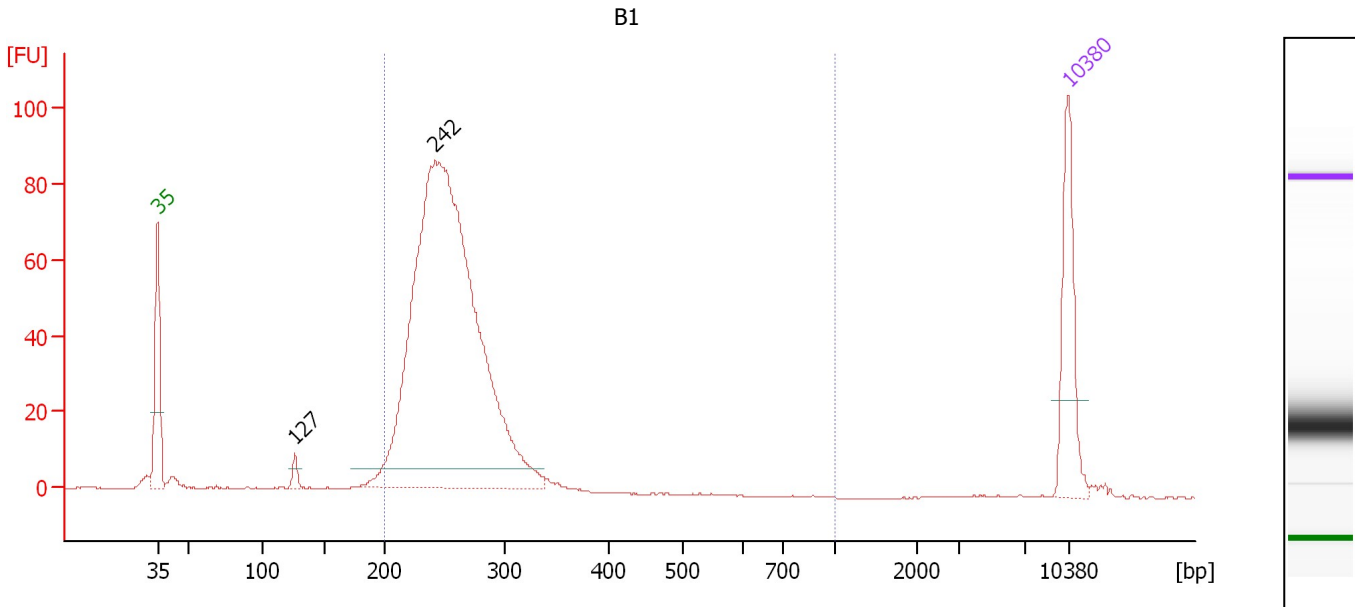
Region table for sample 1 : A1

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	306	1,724.7	11,543.7	2,132.65	98	33.3

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-18\2017-09-18_002.xad

Created: 9/18/2017 11:54:59 AM
 Modified: 9/18/2017 12:36:20 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : B1

Number of peaks found: 2 Corr. Area 1: 794.5
 Noise: 0.1

Peak table for sample 2 : B1

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	127	11.79	140.9		53.55
3	242	1,050.86	6,592.8		64.35
4	10,380	75.00	10.9	Upper Marker	113.00

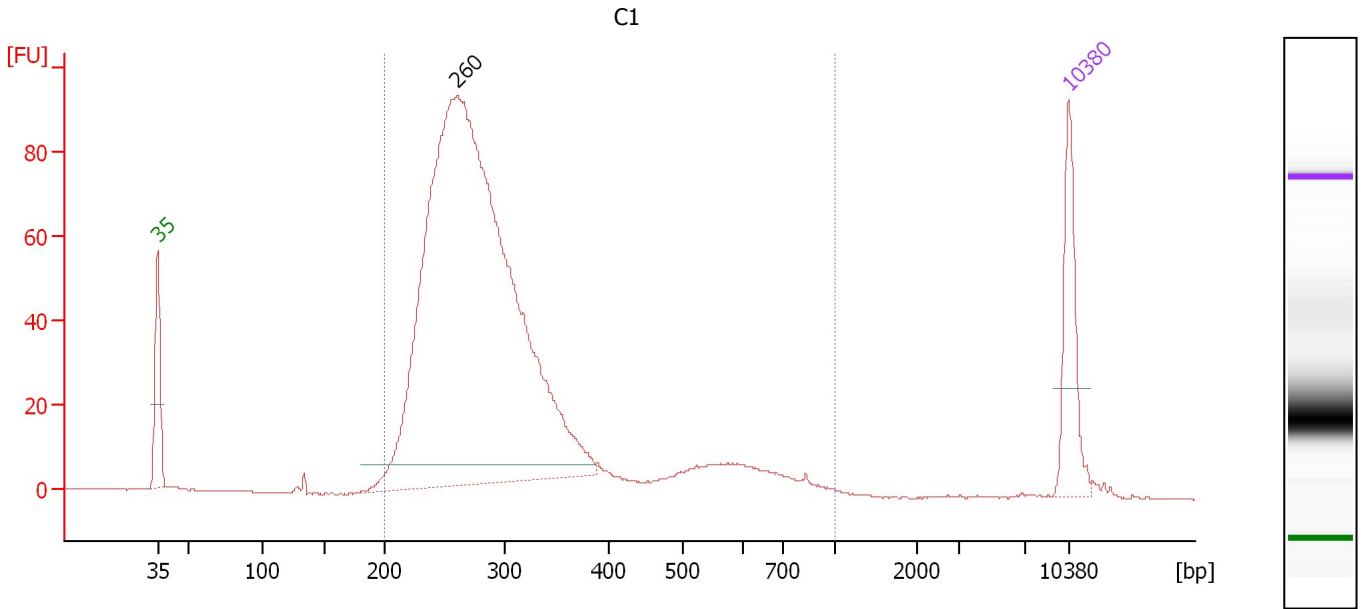
Region table for sample 2 : B1

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	794.5	6,272.3	1,047.97	93	11.4

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-18\2017-09-18_002.xad

Created: 9/18/2017 11:54:59 AM
 Modified: 9/18/2017 12:36:20 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : C1

Number of peaks found: 1 Corr. Area 1: 1,231.8
 Noise: 0.1

Peak table for sample 3 : C1

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	260	1,598.59	9,323.7		66.03
3	10,380	75.00	10.9	Upper Marker	113.00

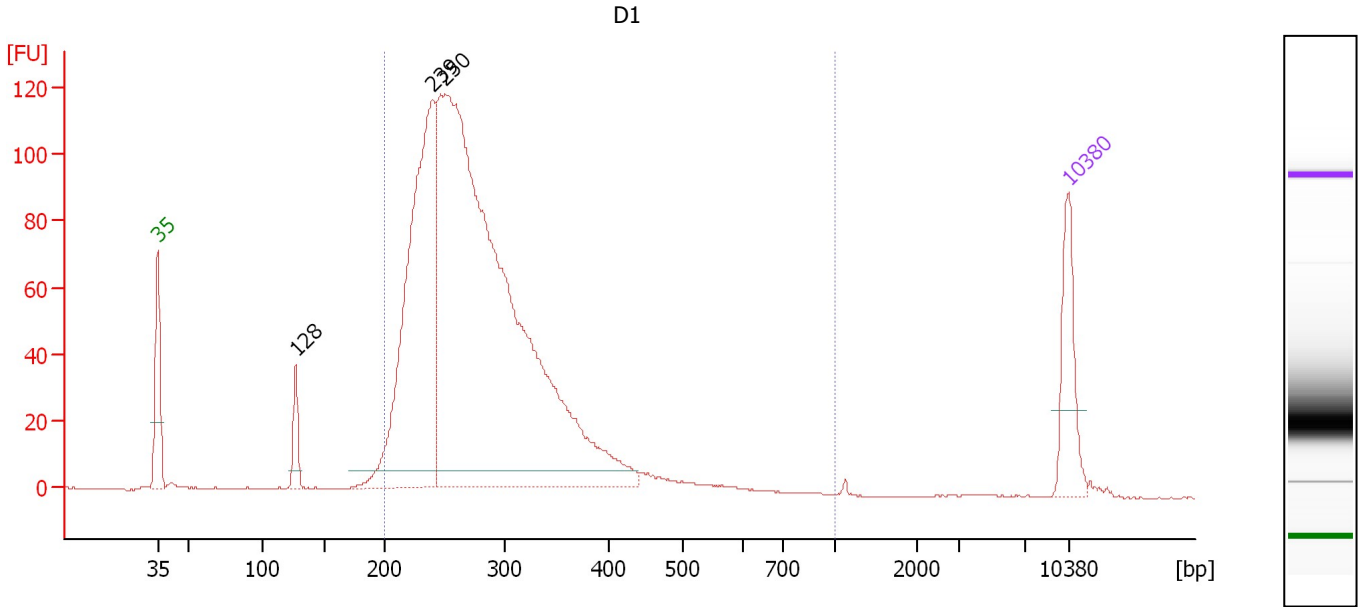
Region table for sample 3 : C1

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	308	1,231.8	9,339.9	1,737.73	99	34.6

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-18\2017-09-18_002.xad

Created: 9/18/2017 11:54:59 AM
 Modified: 9/18/2017 12:36:20 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : D1

Number of peaks found: 3 Corr. Area 1: 1,609.8
 Noise: 0.1

Peak table for sample 4 : D1

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	128	48.02	570.4		53.63
3	239	642.83	4,067.9		64.15
4	250	1,651.29	10,010.0		65.12
5	10,380	75.00	10.9	Upper Marker	113.00

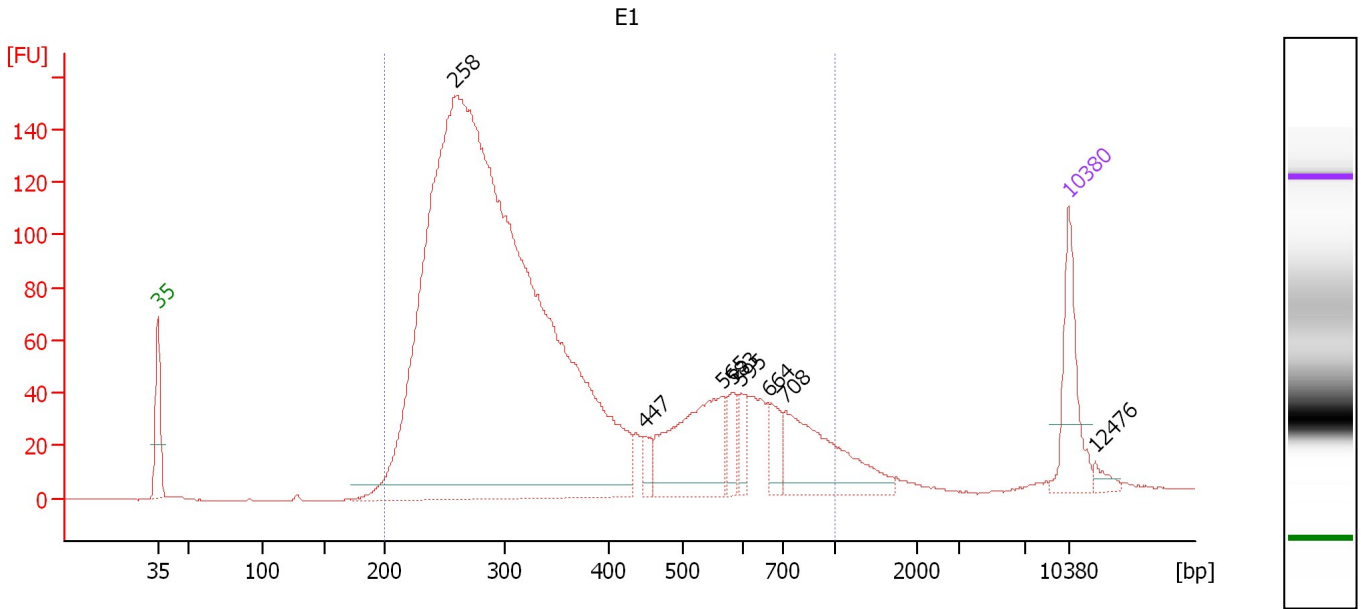
Region table for sample 4 : D1

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	281	1,609.8	12,472.5	2,223.81	96	20.8

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-18\2017-09-18_002.xad

Created: 9/18/2017 11:54:59 AM
 Modified: 9/18/2017 12:36:20 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : E1

Number of peaks found: 8 Corr. Area 1: 2,702.4
 Noise: 0.2

Peak table for sample 5 : E1

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	258	2,546.90	14,969.2		65.85
3	447	17.89	60.7		80.39
4	565	174.01	466.7		86.41
5	583	31.83	82.7		87.24
6	595	27.23	69.3		87.81
7	664	35.79	81.6		90.00
8	708	153.21	328.0		91.19
9	10,380	75.00	10.9	Upper Marker	113.00
10	12,476	0.00	0.0		115.08

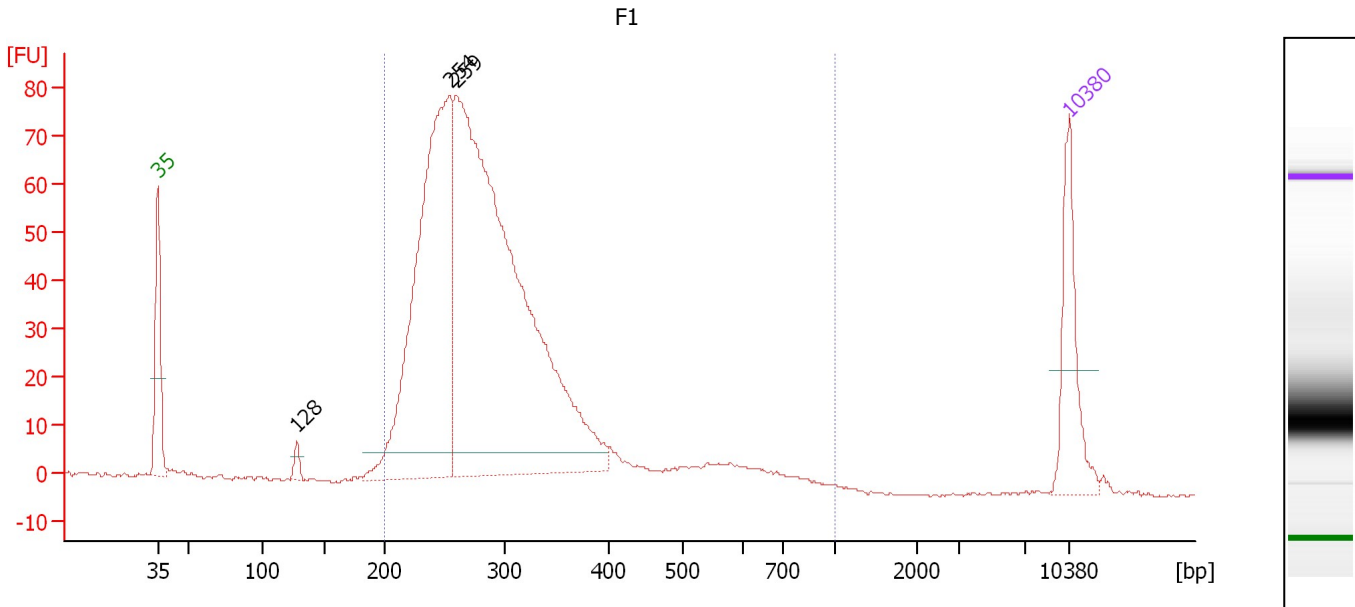
Region table for sample 5 : E1

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	370	2,702.4	13,672.0	2,793.54	96	43.3

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-18\2017-09-18_002.xad

Created: 9/18/2017 11:54:59 AM
 Modified: 9/18/2017 12:36:20 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : F1

Number of peaks found: 3 Corr. Area 1: 1,142.5
 Noise: 0.2

Peak table for sample 6 : F1

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	128	12.31	145.6		53.68
3	254	572.15	3,418.5		65.46
4	259	1,010.49	5,905.5		65.98
5	10,380	75.00	10.9	Upper Marker	113.00

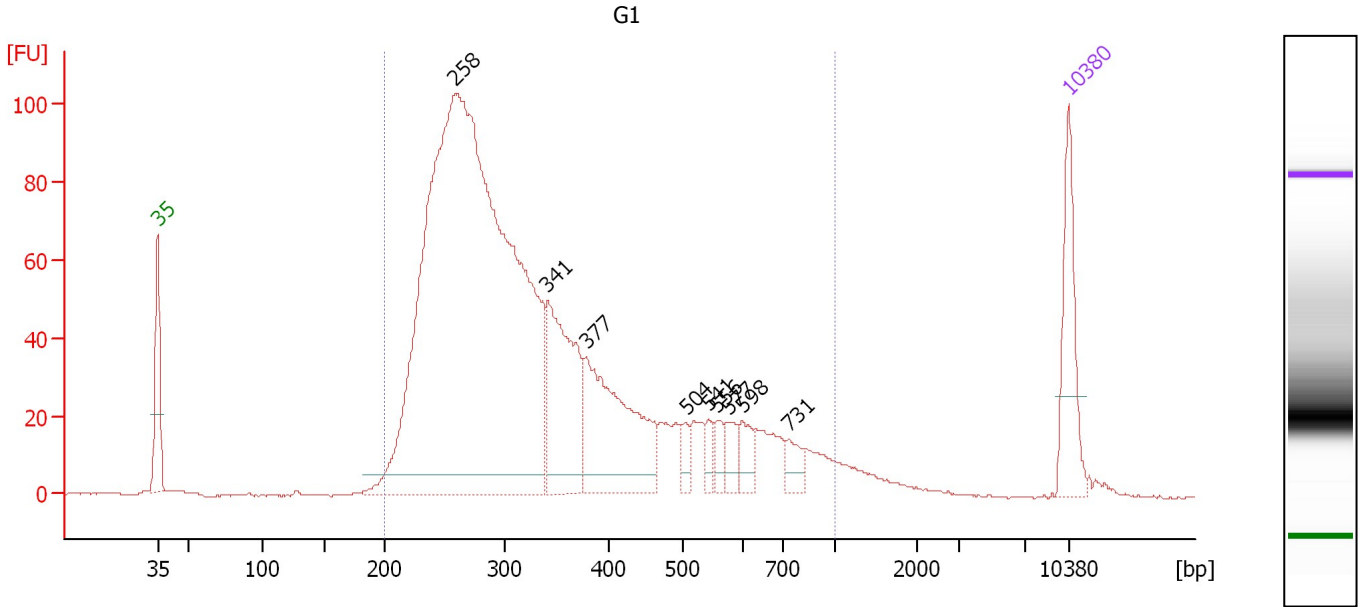
Region table for sample 6 : F1

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	301	1,142.5	8,986.9	1,660.39	97	30.6

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-18\2017-09-18_002.xad

Created: 9/18/2017 11:54:59 AM
 Modified: 9/18/2017 12:36:20 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : G1

Number of peaks found: 9 Corr. Area 1: 1,764.6
 Noise: 0.2

Peak table for sample 7 : G1

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	258	1,678.50	9,848.7		65.89
3	341	203.49	905.4		72.98
4	377	222.45	893.4		75.92
5	504	17.12	51.5		83.60
6	541	16.68	46.7		85.31
7	556	18.74	51.1		86.00
8	577	21.44	56.3		86.96
9	598	25.88	65.6		87.92
10	731	21.96	45.5		91.50
11	10,380	75.00	10.9	Upper Marker	113.00

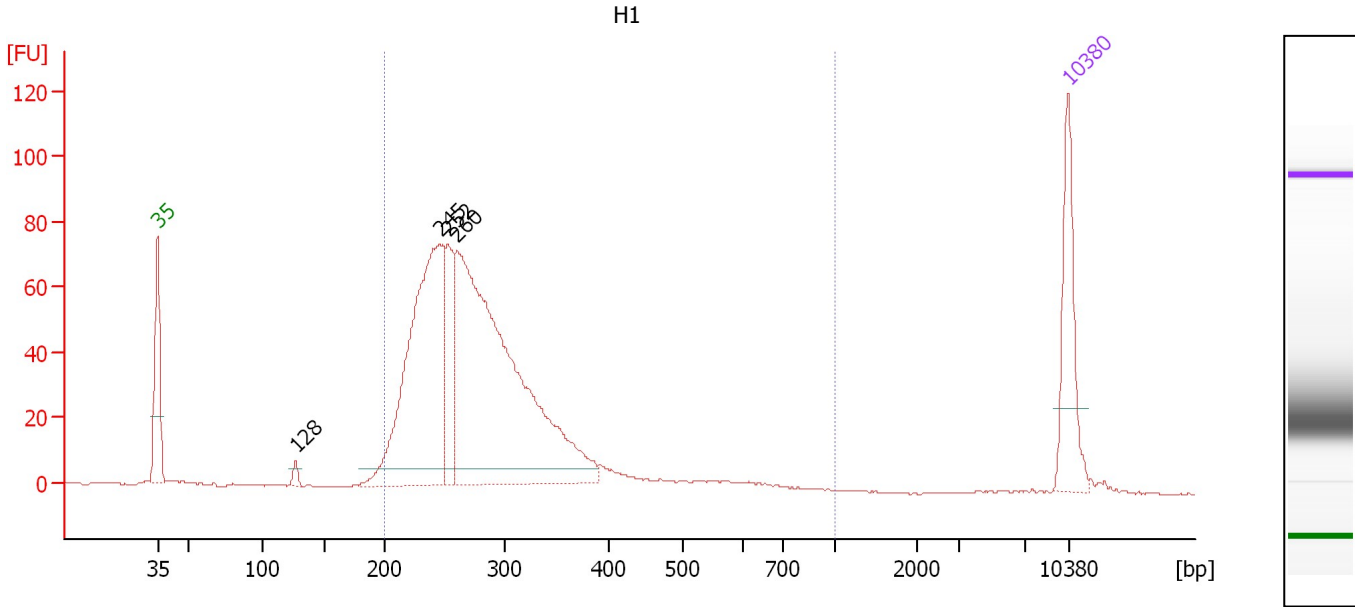
Region table for sample 7 : G1

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	354	1,764.6	11,482.7	2,314.54	97	40.2

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-18\2017-09-18_002.xad

Created: 9/18/2017 11:54:59 AM
 Modified: 9/18/2017 12:36:20 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : H1

Number of peaks found: 4 Corr. Area 1: 1,040.8
 Noise: 0.2

Peak table for sample 8 : H1

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	128	8.81	104.6		53.63
3	245	413.35	2,554.1		64.69
4	252	89.82	539.6		65.33
5	260	647.60	3,777.6		66.03
6	10,380	75.00	10.9	Upper Marker	113.00

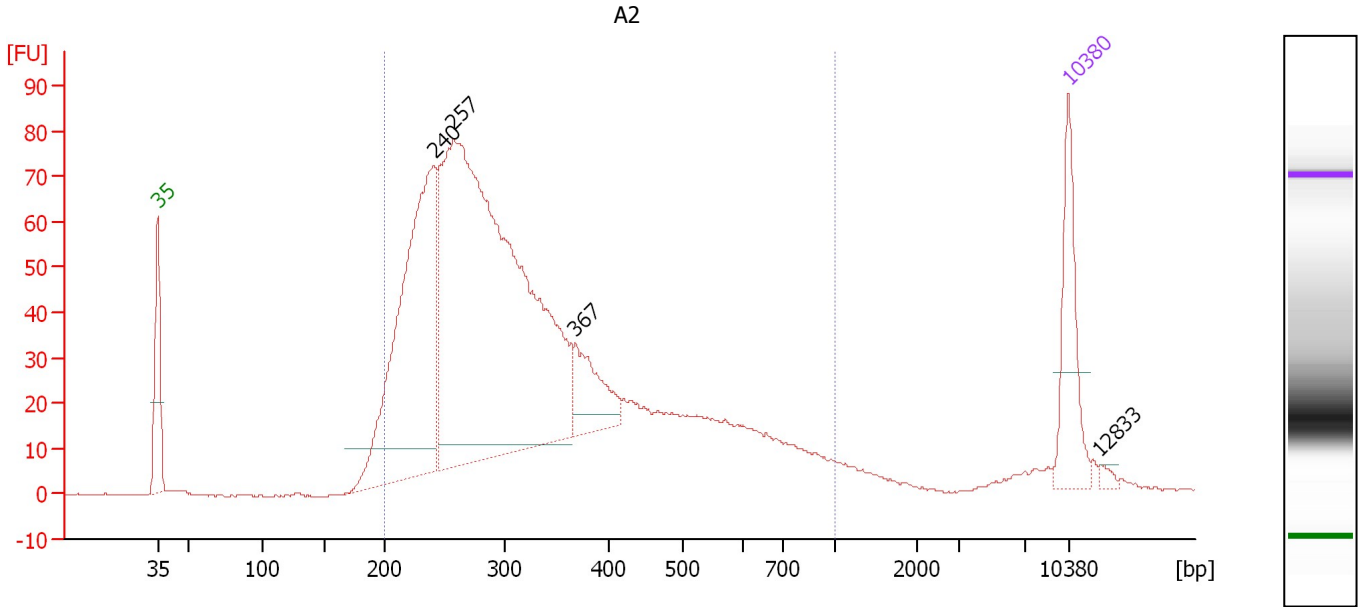
Region table for sample 8 : H1

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	288	1,040.8	6,580.5	1,182.68	96	27.2

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-18\2017-09-18_002.xad

Created: 9/18/2017 11:54:59 AM
 Modified: 9/18/2017 12:36:20 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : A2

Number of peaks found: 4 Corr. Area 1: 1,605.2
 Noise: 0.1

Peak table for sample 9 : A2

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	240	489.58	3,087.8		64.23
3	257	1,045.19	6,171.4		65.74
4	367	79.70	329.2		75.08
5	10,380	75.00	10.9	Upper Marker	113.00
6	12,833	0.00	0.0		115.43

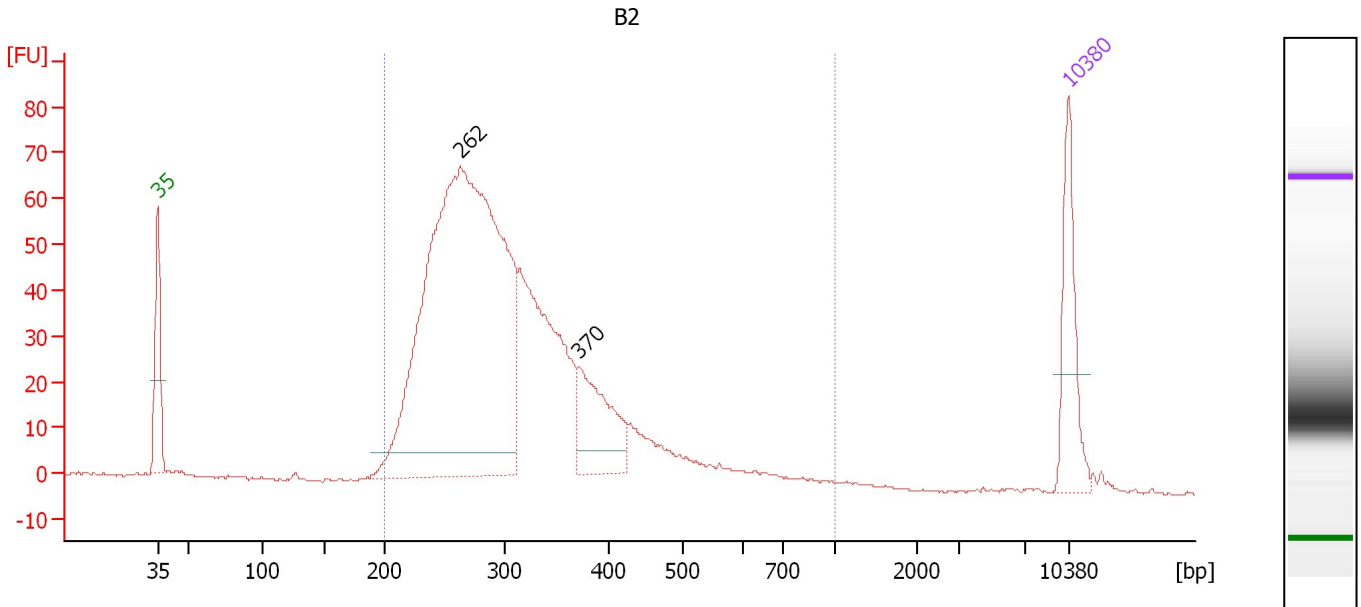
Region table for sample 9 : A2

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	350	1,605.2	10,848.2	2,141.67	92	41.0

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-18\2017-09-18_002.xad

Created: 9/18/2017 11:54:59 AM
 Modified: 9/18/2017 12:36:20 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : B2

Number of peaks found: 2 Corr. Area 1: 1,102.3
 Noise: 0.2

Peak table for sample 10 : B2

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	262	1,086.94	6,284.4		66.24
3	370	114.36	468.4		75.33
4	10,380	75.00	10.9	Upper Marker	113.00

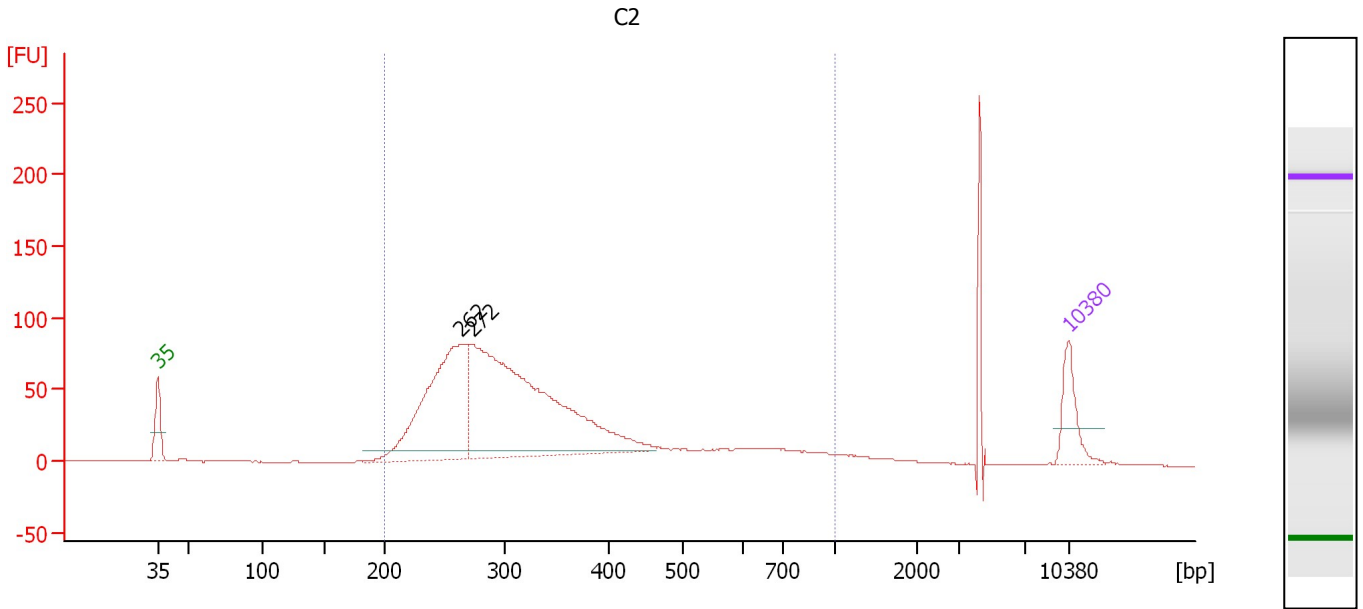
Region table for sample 10 : B2

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	316	1,102.3	8,481.9	1,639.55	99	28.6

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-18\2017-09-18_002.xad

Created: 9/18/2017 11:54:59 AM
 Modified: 9/18/2017 12:36:20 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : C2

Number of peaks found: 2 Corr. Area 1: 1,464.2
 Noise: 0.1

Peak table for sample 11 : C2

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	262	588.49	3,402.6		66.24
3	272	1,037.38	5,776.1		67.17
4	10,380	75.00	10.9	Upper Marker	113.00

Region table for sample 11 : C2

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	345	1,464.2	9,294.4	1,863.77	93	38.7

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-18\2017-09-18_002.xad

Created: 9/18/2017 11:54:59 AM
Modified: 9/18/2017 12:36:20 PM

Gel Image

