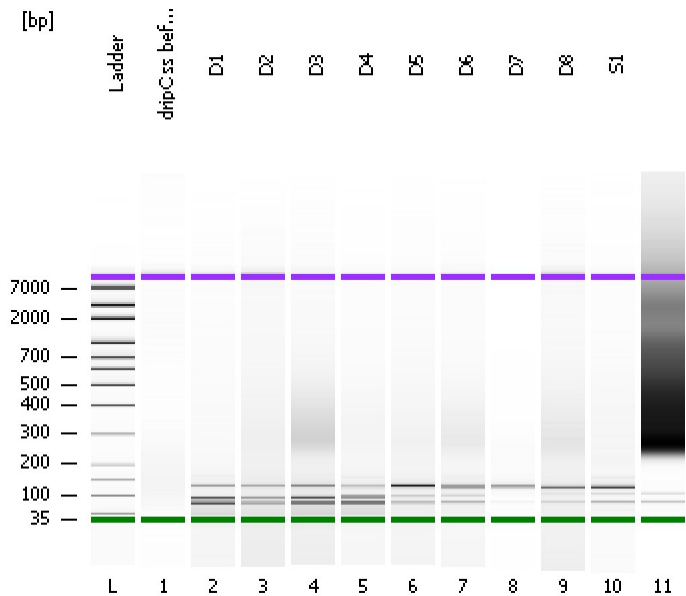


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-06\2014-01-06_004.xad

Created: 1/6/2014 3:26:01 PM
Modified: 1/6/2014 4:09:38 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

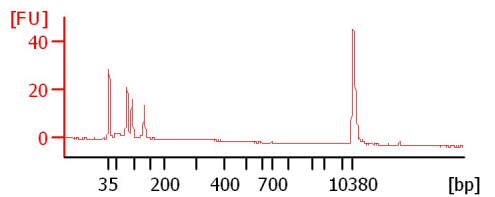
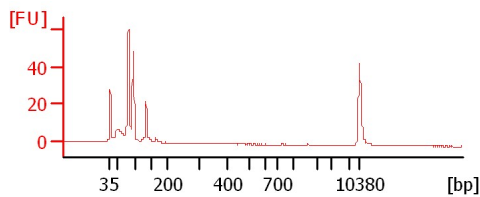
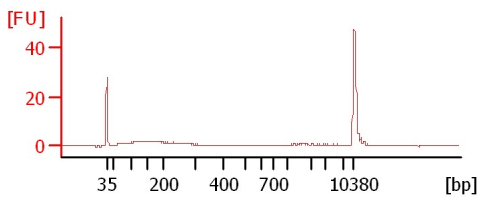
Chip Information:

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

dripC ss before sonic

D1

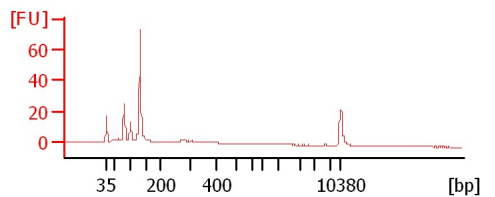
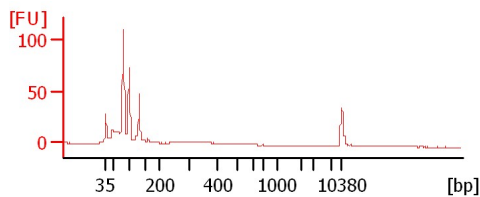
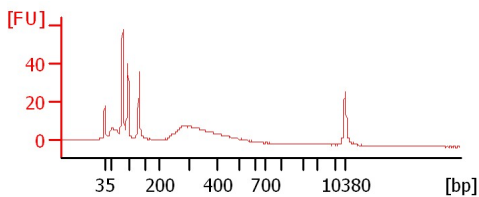
D2



D3

D4

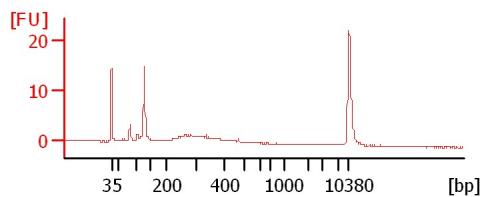
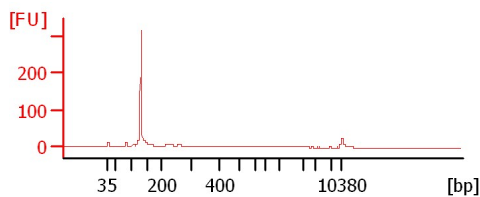
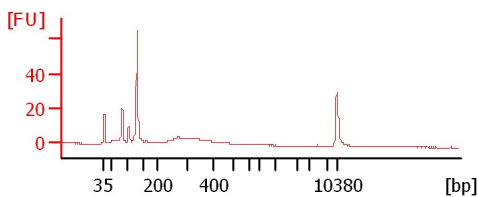
D5



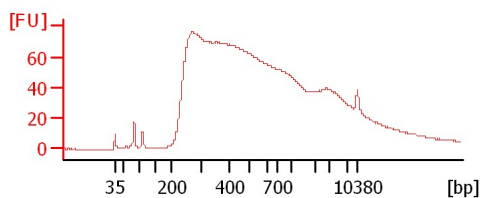
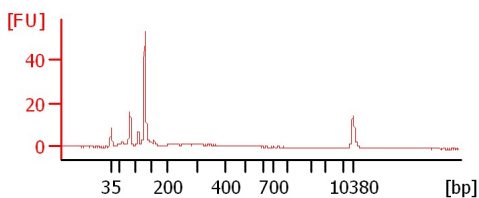
D6

D7

D8



S1



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-06\2014-01-06_004.xad

Created: 1/6/2014 3:26:01 PM
 Modified: 1/6/2014 4:09:38 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
dripC ss before sonic		<input type="checkbox"/>	✓			
D1		<input type="checkbox"/>	✓			
D2		<input type="checkbox"/>	✓			
D3		<input type="checkbox"/>	✓			
D4		<input type="checkbox"/>	✓			
D5		<input type="checkbox"/>	✓			
D6		<input type="checkbox"/>	✓			
D7		<input type="checkbox"/>	✓			
D8		<input type="checkbox"/>	✓			
S1		<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-06\2014-01-06_004.xad

Created: 1/6/2014 3:26:01 PM
Modified: 1/6/2014 4:09:38 PM

Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 12
Minimum Visible Range [s] : 32
Maximum Visible Range [s] : 138
Start Analysis Time Range [s] : 33
End Analysis Time Range [s] : 137.5
Ladder Concentration [pg/μl] : 1950
Uses Standard Area for Ladder Fragments
Lower Marker Concentration [pg/μl] : 125
Upper Marker Concentration [pg/μl] : 75
Used Upper Marker for Quantitation
Standard Curve Fit is Point to Point
Show Data Aligned to Lower and Upper Marker

Integrator Settings

Integration Start Time [s] : 33.05
Integration End Time [s] : 137
Slope Threshold : 0.8
Height Threshold [FU] : 5
Area Threshold : 0.1
Width Threshold [s] : 0.6
Baseline Plateau [s] : 0.5

Filter Settings

Filter Width [s] : 0.5
Polynomial Order : 4

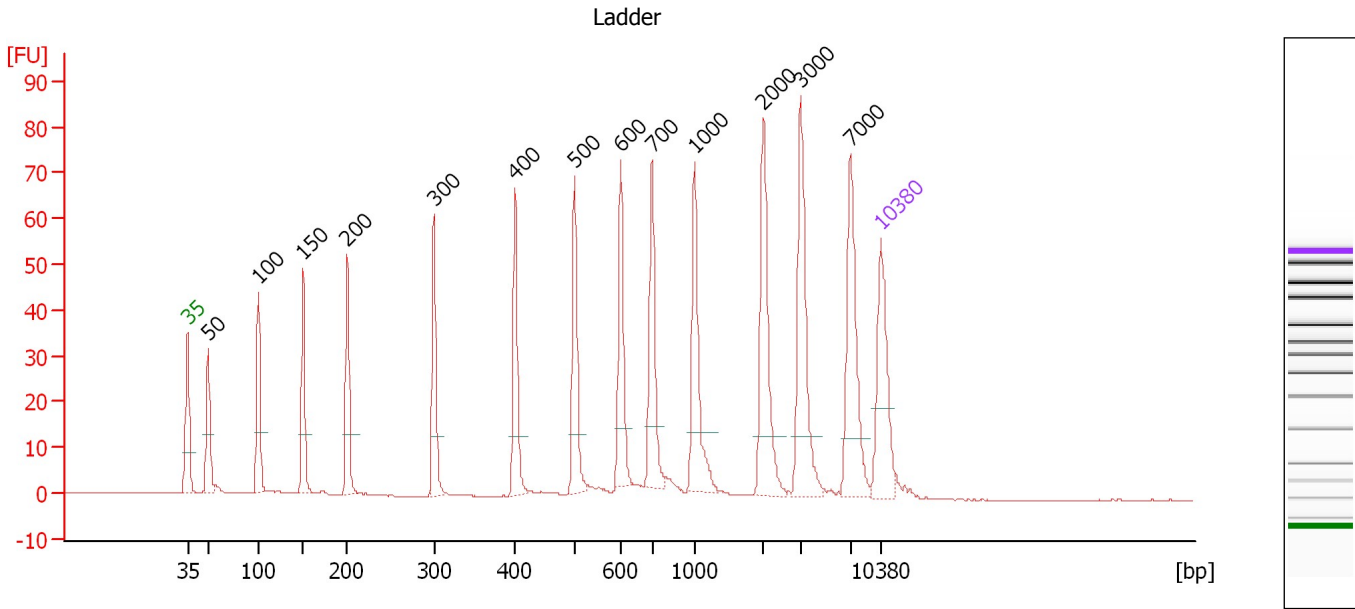
Ladder

Ladder Peak	Size	Area
1	35	160
2	50	210
3	100	208
4	150	221
5	200	242
6	300	270
7	400	305
8	500	306
9	600	336
10	700	321
11	1000	366
12	2000	413
13	3000	411
14	7000	400
15	10380	214

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-06\2014-01-06_004.xad

Created: 1/6/2014 3:26:01 PM
 Modified: 1/6/2014 4:09:38 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.1

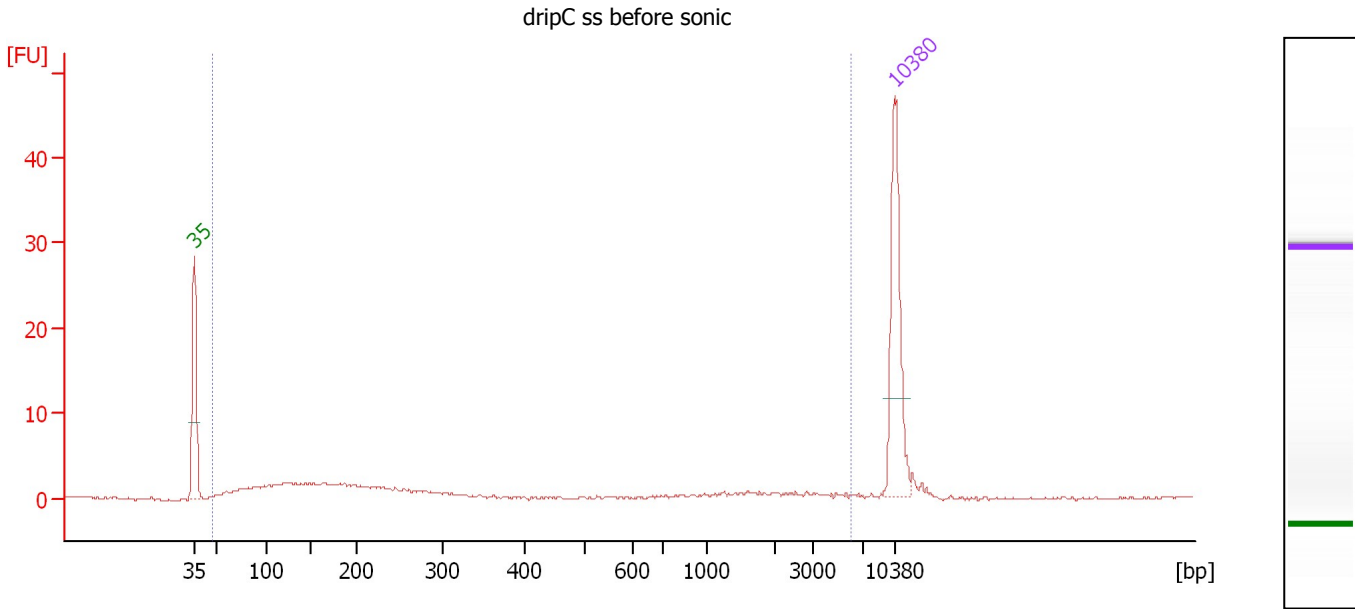
Peak table for Ladder

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	45.10	50	150.00	4,545.5	Ladder Peak
3	50.16	100	150.00	2,272.7	Ladder Peak
4	54.68	150	150.00	1,515.2	Ladder Peak
5	59.15	200	150.00	1,136.4	Ladder Peak
6	67.88	300	150.00	757.6	Ladder Peak
7	76.06	400	150.00	568.2	Ladder Peak
8	82.09	500	150.00	454.5	Ladder Peak
9	86.78	600	150.00	378.8	Ladder Peak
10	89.90	700	150.00	324.7	Ladder Peak
11	94.21	1,000	150.00	227.3	Ladder Peak
12	101.15	2,000	150.00	113.6	Ladder Peak
13	104.92	3,000	150.00	75.8	Ladder Peak
14	109.93	7,000	150.00	32.5	Ladder Peak
15	113.00	10,380	75.00	10.9	Upper Marker

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-06\2014-01-06_004.xad

Created: 1/6/2014 3:26:01 PM
 Modified: 1/6/2014 4:09:38 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : dripC ss before sonic

Number of peaks found: 0 Corr. Area 1: 47.9
 Noise: 0.1

Peak table for sample 1 : dripC ss before sonic

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	113.00	10,380	75.00	10.9	Upper Marker

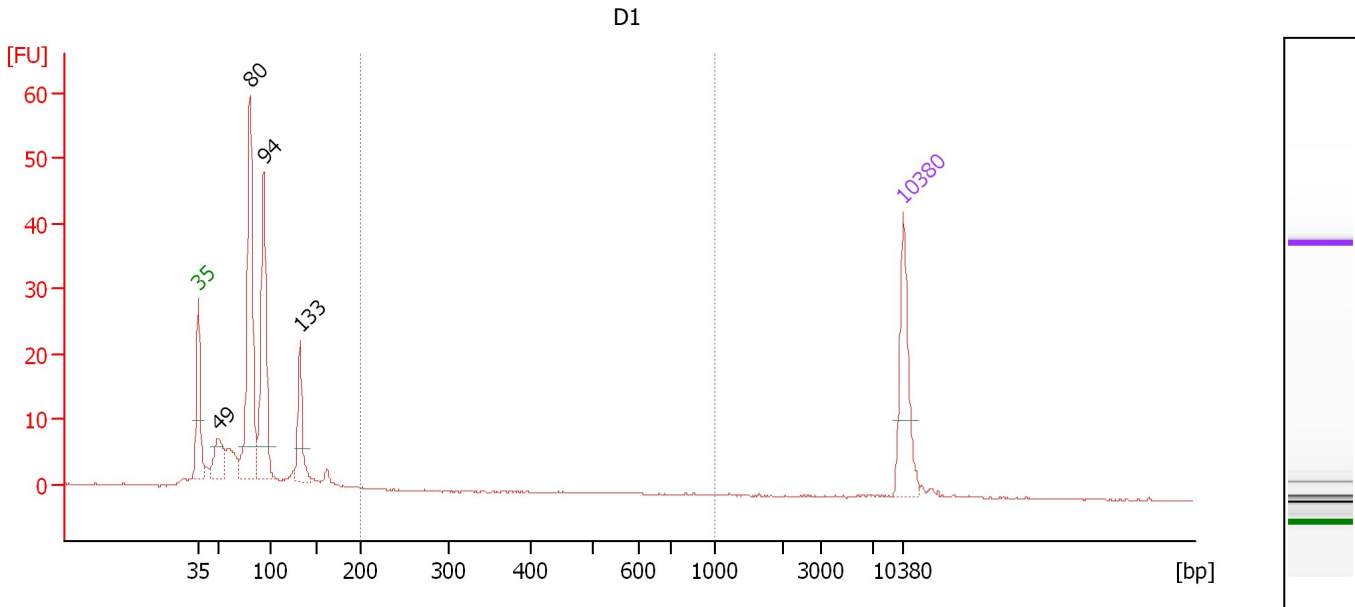
Region table for sample 1 : dripC ss before sonic

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
48	5,978	515	1,562.9	150.34	47.9	94	100.0	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-06\2014-01-06_004.xad

Created: 1/6/2014 3:26:01 PM
 Modified: 1/6/2014 4:09:38 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : D1

Number of peaks found: 4 Corr. Area 1: 0.0
 Noise: 0.1

Peak table for sample 2 : D1

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	44.96	49	59.81	1,849.5	
3	48.14	80	313.10	5,930.4	
4	49.51	94	236.34	3,826.2	
5	53.11	133	75.52	862.7	
6	113.00	10,380	75.00	10.9	Upper Marker

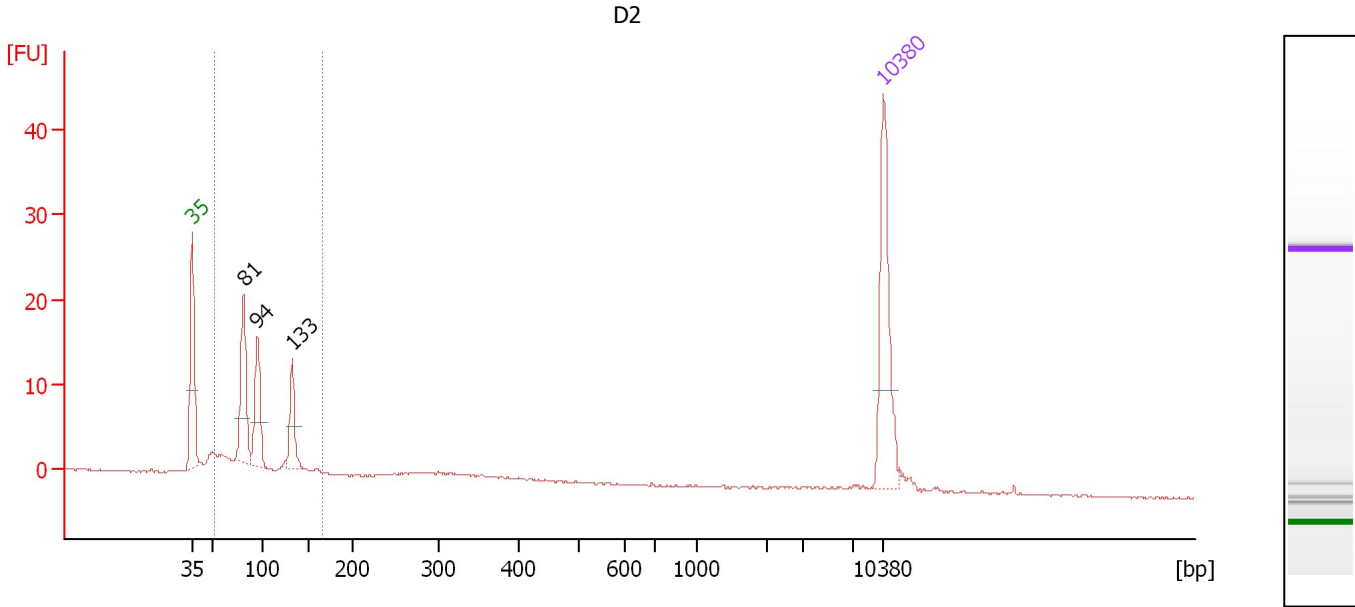
Region table for sample 2 : D1

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
200	1,000	519	0.7	0.12	0.0	0	63.6	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-06\2014-01-06_004.xad

Created: 1/6/2014 3:26:01 PM
 Modified: 1/6/2014 4:09:38 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : D2

Number of peaks found: 3 Corr. Area 1: 76.3
 Noise: 0.1

Peak table for sample 3 : D2

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	48.19	81	86.34	1,624.8	
3	49.59	94	65.79	1,055.9	
4	53.11	133	42.87	489.9	
5	113.00	10,380	75.00	10.9	Upper Marker

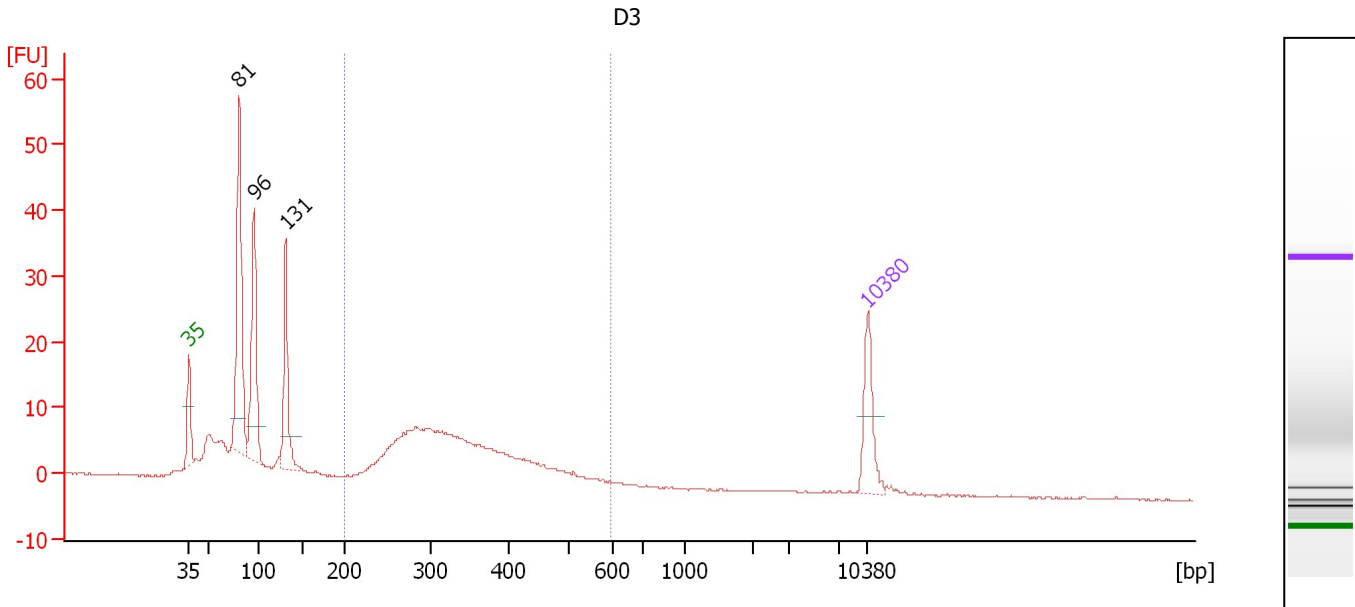
Region table for sample 3 : D2

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
51	166	96	4,601.2	277.01	76.3	76	26.1	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-06\2014-01-06_004.xad

Created: 1/6/2014 3:26:01 PM
 Modified: 1/6/2014 4:09:38 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : D3

Number of peaks found: 3 Corr. Area 1: 151.1
 Noise: 0.1

Peak table for sample 4 : D3

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	48.22	81	384.37	7,206.1	
3	49.76	96	268.02	4,229.4	
4	53.00	131	179.94	2,075.2	
5	113.00	10,380	75.00	10.9	Upper Marker

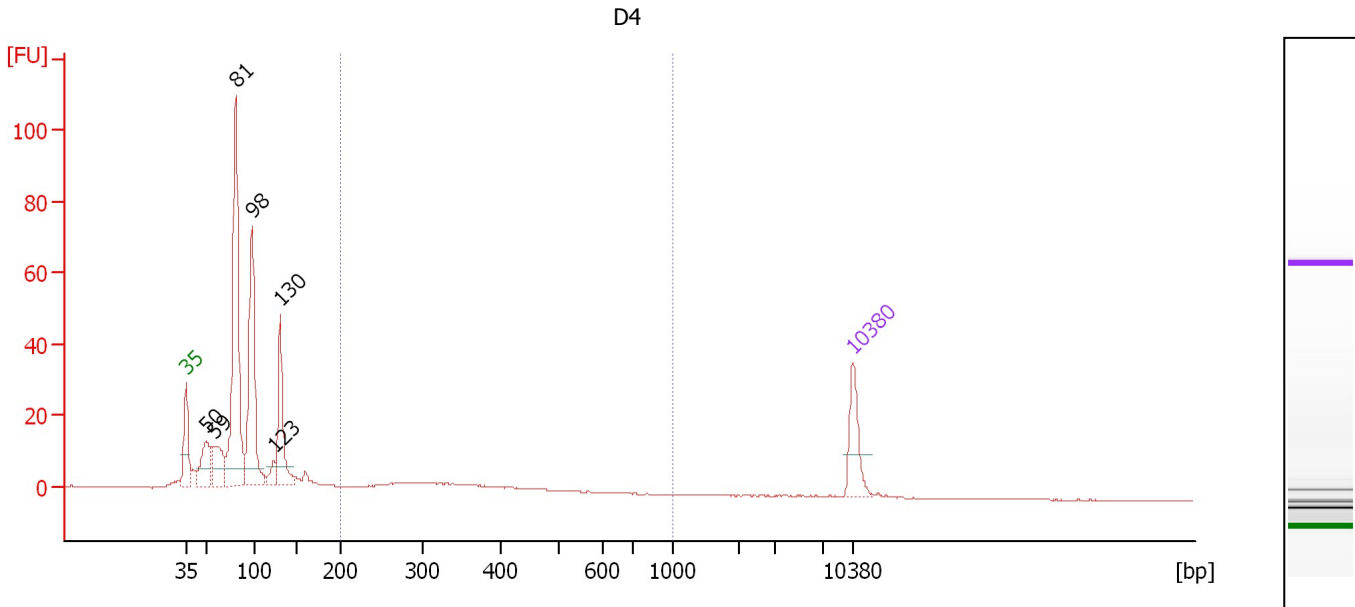
Region table for sample 4 : D3

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
200	596	342	3,377.5	714.67	151.1	42	22.8	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-06\2014-01-06_004.xad

Created: 1/6/2014 3:26:01 PM
 Modified: 1/6/2014 4:09:38 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : D4

Number of peaks found: 6 Corr. Area 1: 48.7
 Noise: 0.1

Peak table for sample 5 : D4

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	45.13	50	123.41	3,719.2	
3	46.02	59	120.93	3,098.9	
4	48.21	81	658.63	12,365.6	
5	49.94	98	434.80	6,732.6	
6	52.24	123	32.64	402.1	
7	52.91	130	203.37	2,363.0	
8	113.00	10,380	75.00	10.9	Upper Marker

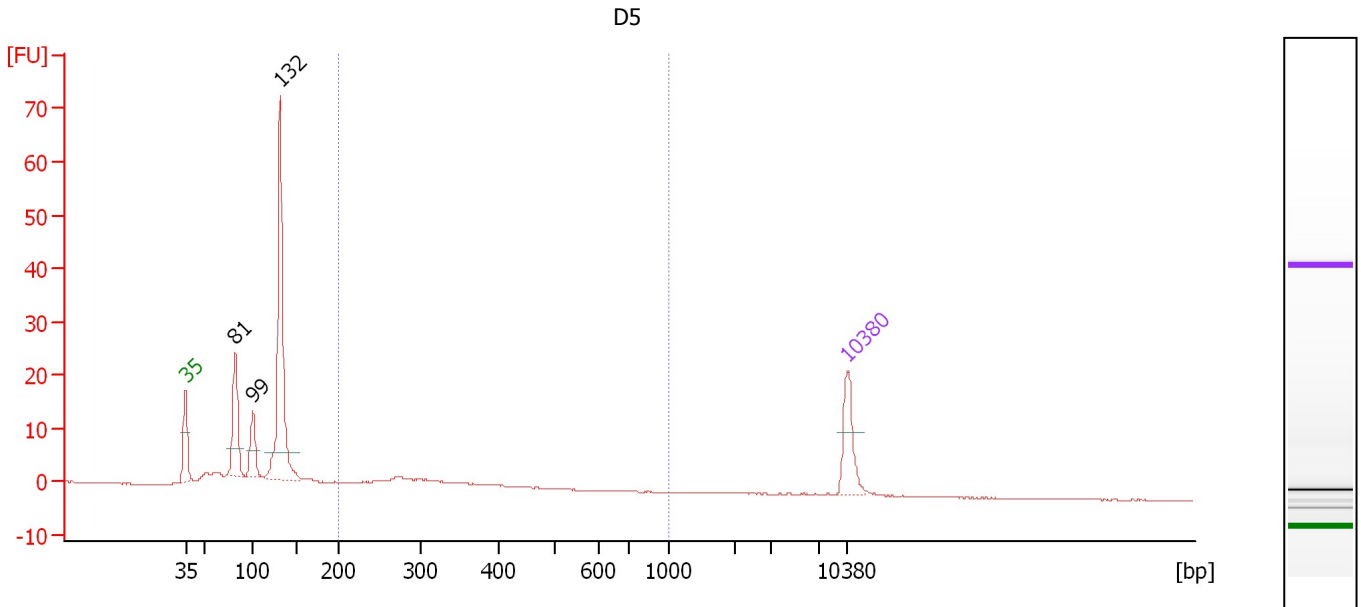
Region table for sample 5 : D4

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
200	1,000	342	791.4	164.23	48.7	11	25.9	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-06\2014-01-06_004.xad

Created: 1/6/2014 3:26:01 PM
 Modified: 1/6/2014 4:09:38 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : D5

Number of peaks found: 3 Corr. Area 1: 31.5
 Noise: 0.1

Peak table for sample 6 : D5

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	48.25	81	178.16	3,329.5	
3	50.11	99	92.11	1,403.1	
4	53.04	132	505.07	5,805.2	
5	113.00	10,380	75.00	10.9	Upper Marker

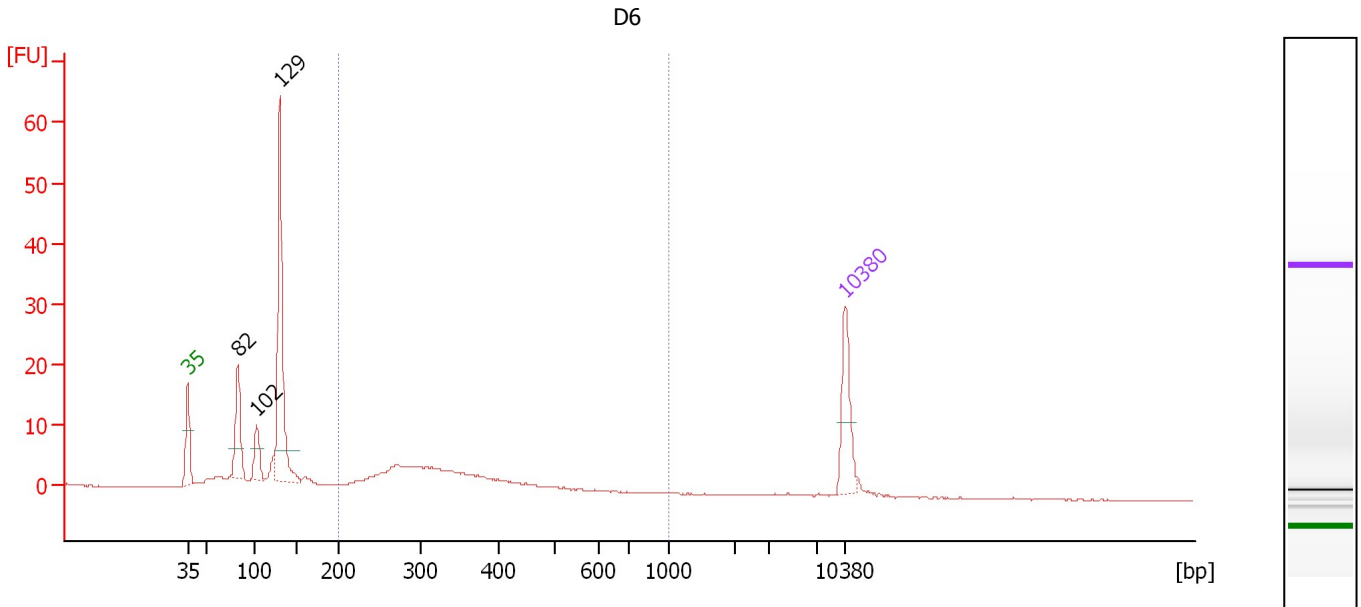
Region table for sample 6 : D5

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
200	1,000	324	814.8	160.97	31.5	17	27.0	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-06\2014-01-06_004.xad

Created: 1/6/2014 3:26:01 PM
 Modified: 1/6/2014 4:09:38 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : D6

Number of peaks found: 3 Corr. Area 1: 76.1
 Noise: 0.1

Peak table for sample 7 : D6

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	48.39	82	124.70	2,290.5	
3	50.37	102	57.62	853.0	
4	52.81	129	346.22	4,056.5	
5	113.00	10,380	75.00	10.9	Upper Marker

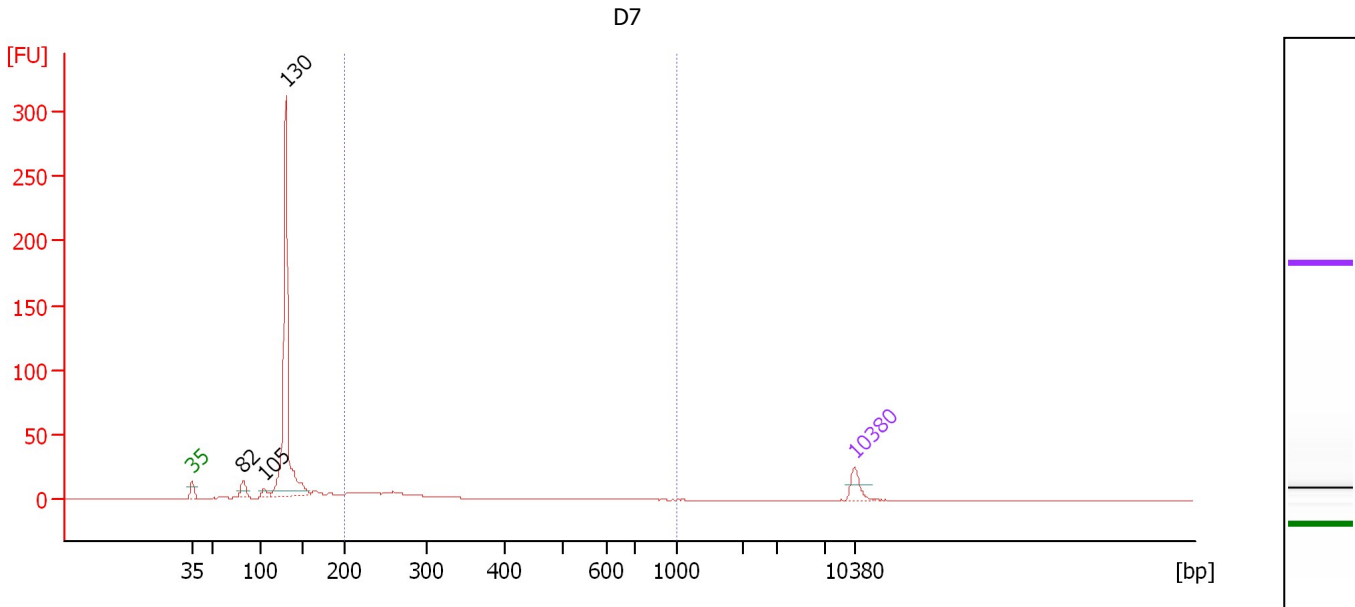
Region table for sample 7 : D6

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
200	1,000	342	1,605.3	332.22	76.1	36	28.8	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-06\2014-01-06_004.xad

Created: 1/6/2014 3:26:01 PM
 Modified: 1/6/2014 4:09:38 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : D7

Number of peaks found: 3 Corr. Area 1: 87.0
 Noise: 0.1

Peak table for sample 8 : D7

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	48.36	82	100.99	1,861.8	
3	50.61	105	49.53	714.7	
4	52.87	130	1,930.74	22,511.0	
5	113.00	10,380	75.00	10.9	Upper Marker

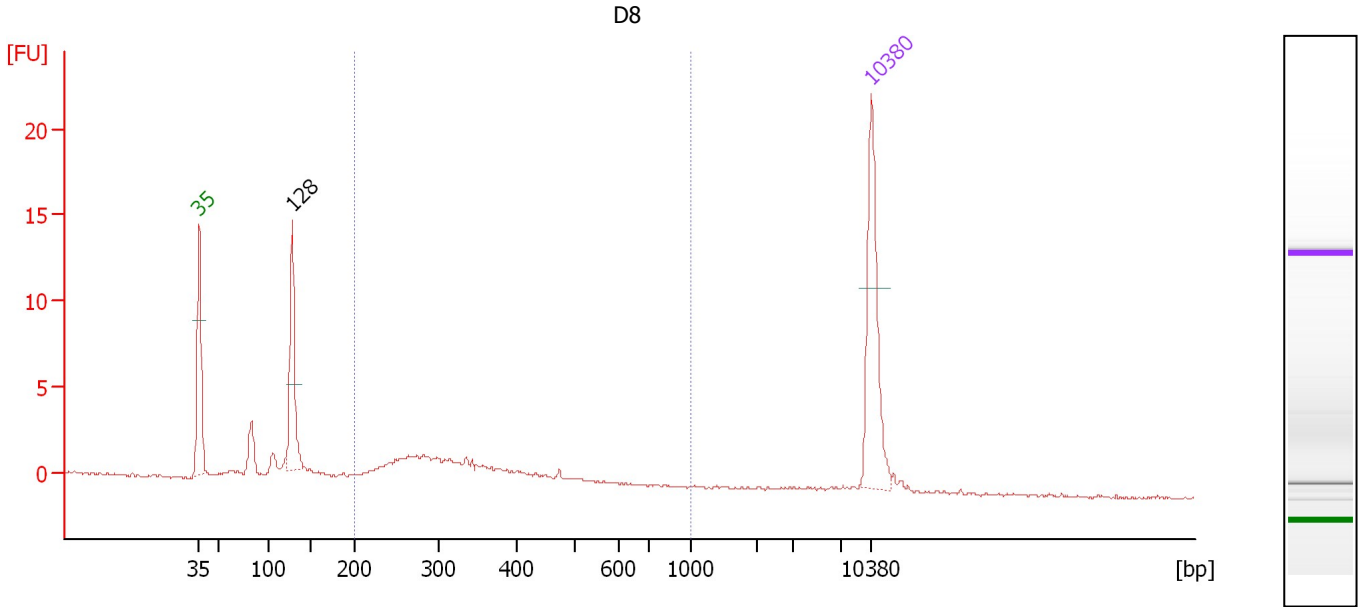
Region table for sample 8 : D7

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
200	1,000	318	2,465.2	450.93	87.0	18	40.3	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-06\2014-01-06_004.xad

Created: 1/6/2014 3:26:01 PM
 Modified: 1/6/2014 4:09:38 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : D8

Number of peaks found: 1 Corr. Area 1: 24.5
 Noise: 0.1

Peak table for sample 9 : D8

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	52.67	128	89.45	1,061.4	
3	113.00	10,380	75.00	10.9	Upper Marker

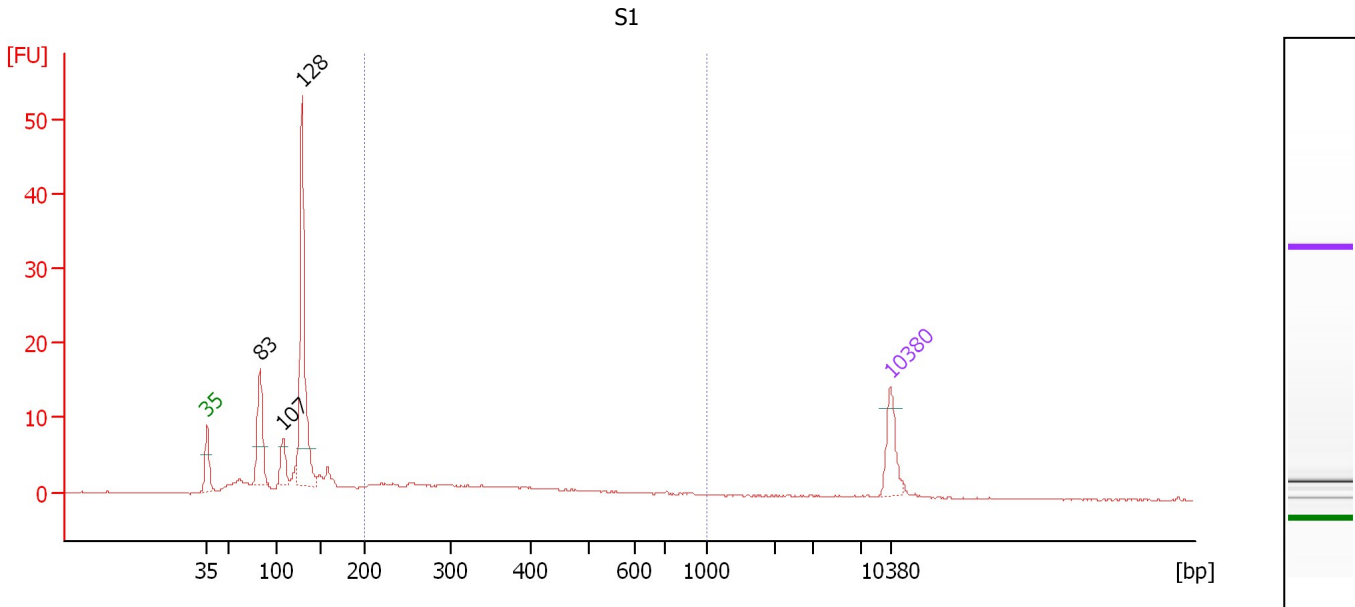
Region table for sample 9 : D8

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
200	1,000	332	616.8	125.62	24.5	49	25.4	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-06\2014-01-06_004.xad

Created: 1/6/2014 3:26:01 PM
 Modified: 1/6/2014 4:09:38 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : S1

Number of peaks found: 3 Corr. Area 1: 40.4
 Noise: 0.1

Peak table for sample 10 : S1

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	48.41	83	207.15	3,797.4	
3	50.75	107	78.43	1,115.4	
4	52.72	128	577.57	6,822.2	
5	113.00	10,380	75.00	10.9	Upper Marker

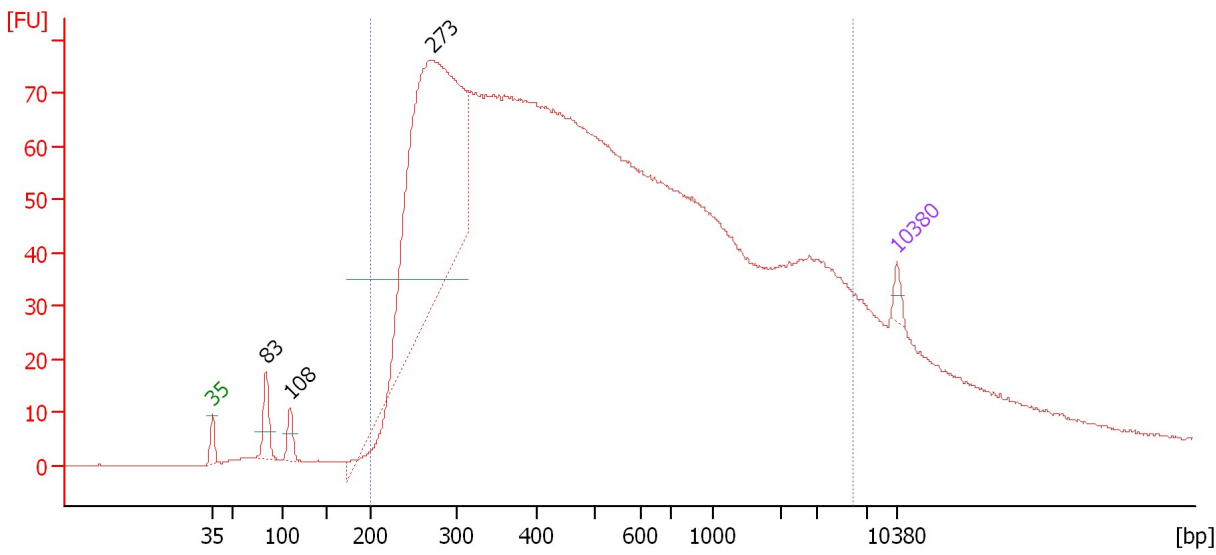
Region table for sample 10 : S1

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
200	1,000	384	1,692.2	357.85	40.4	26	41.0	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-06\2014-01-06_004.xad

Created: 1/6/2014 3:26:01 PM
 Modified: 1/6/2014 4:09:38 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 :

Number of peaks found: 3 Corr. Area 1: 2,853.6
 Noise: 0.1

Peak table for sample 11 :

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	48.46	83	410.56	7,481.1	
3	50.91	108	222.78	3,117.2	
4	65.48	273	6,415.54	35,670.9	
5	113.00	10,380	75.00	10.9	Upper Marker

Region table for sample 11 :

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
200	5,817	847	146,318.5	40,107.70	2,853.6	91	100.0	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-06\2014-01-06_004.xad

Created: 1/6/2014 3:26:01 PM
Modified: 1/6/2014 4:09:38 PM

Gel Image

