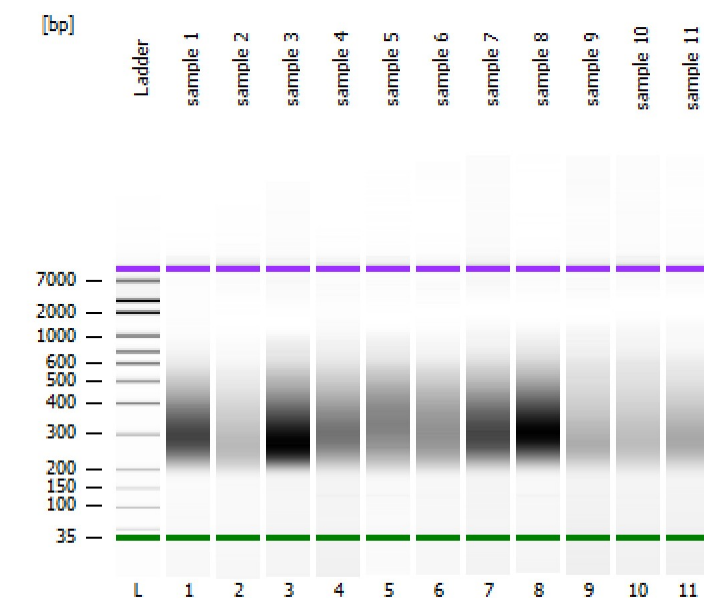


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gh Sensitivity DNA Assay_DE24802258_2017-09-26_10-06-13.xad

Created: 9/26/2017 10:06:12 AM
Modified: 9/26/2017 10:47:33 AM

Electrophoresis File Run Summary



Instrument Information:

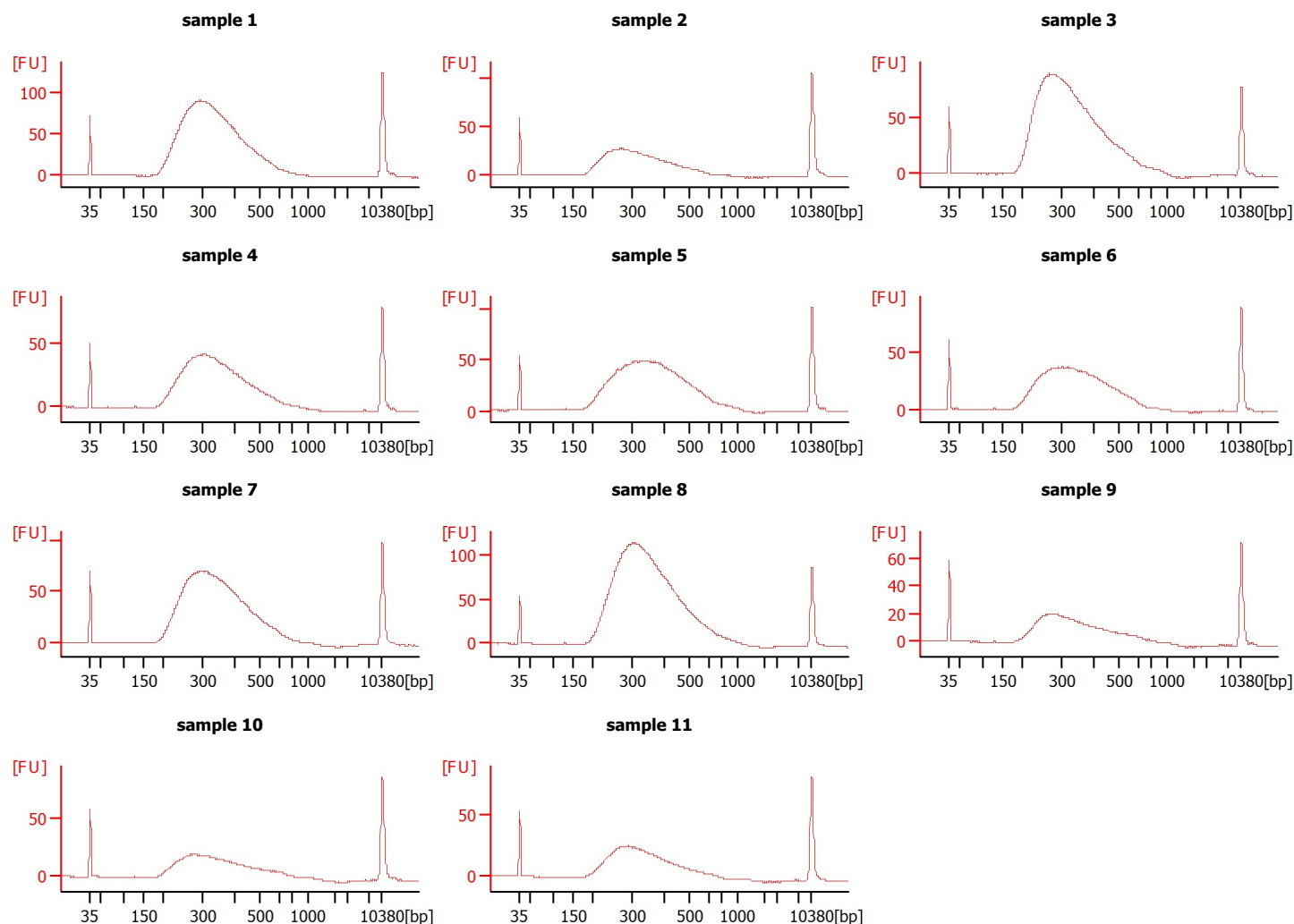
Instrument Name: magicovaris
Serial#: DE24802258
Firmware: C.01.069
Type: G2938B

Assay Information:

Assay Origin Path: C:\Program Files (x86)\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:\...gh Sensitivity DNA Assay_DE24802258_2017-09-26_10-06-13.xad

Created: 9/26/2017 10:06:12 AM
Modified: 9/26/2017 10:47:33 AM

Electrophoresis File Run Summary (Chip Summary)

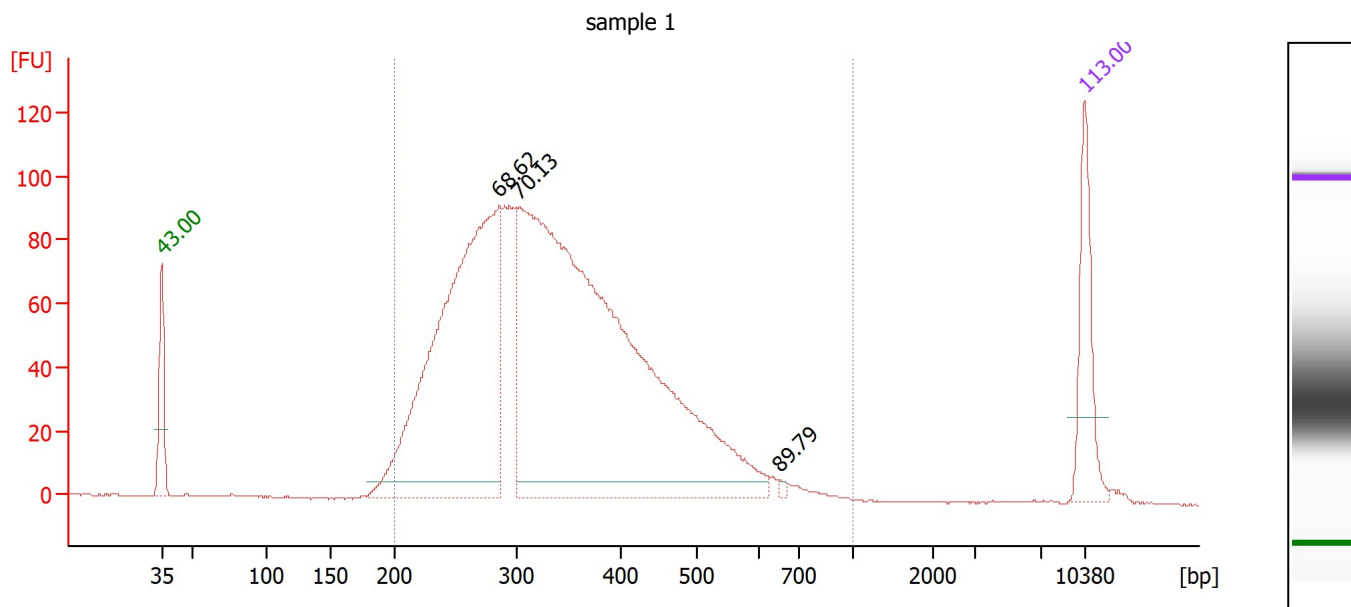
Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
sample 1		<input type="checkbox"/>	✓			
sample 2		<input type="checkbox"/>	✓			
sample 3		<input type="checkbox"/>	✓			
sample 4		<input type="checkbox"/>	✓			
sample 5		<input type="checkbox"/>	✓			
sample 6		<input 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:\...gh Sensitivity DNA Assay_DE24802258_2017-09-26_10-06-13.xad

Created: 9/26/2017 10:06:12 AM
 Modified: 9/26/2017 10:47:33 AM

Electropherogram Summary



Overall Results for sample 1 : sample 1

Number of peaks found: 3 Corr. Area 1: 2,179.4
 Noise: 0.2

Peak table for sample 1 : sample 1

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	286	782.49	4,139.3	
3	303	1,377.02	6,881.4	
4	651	3.29	7.7	
5	10,380	75.00	10.9	Upper Marker

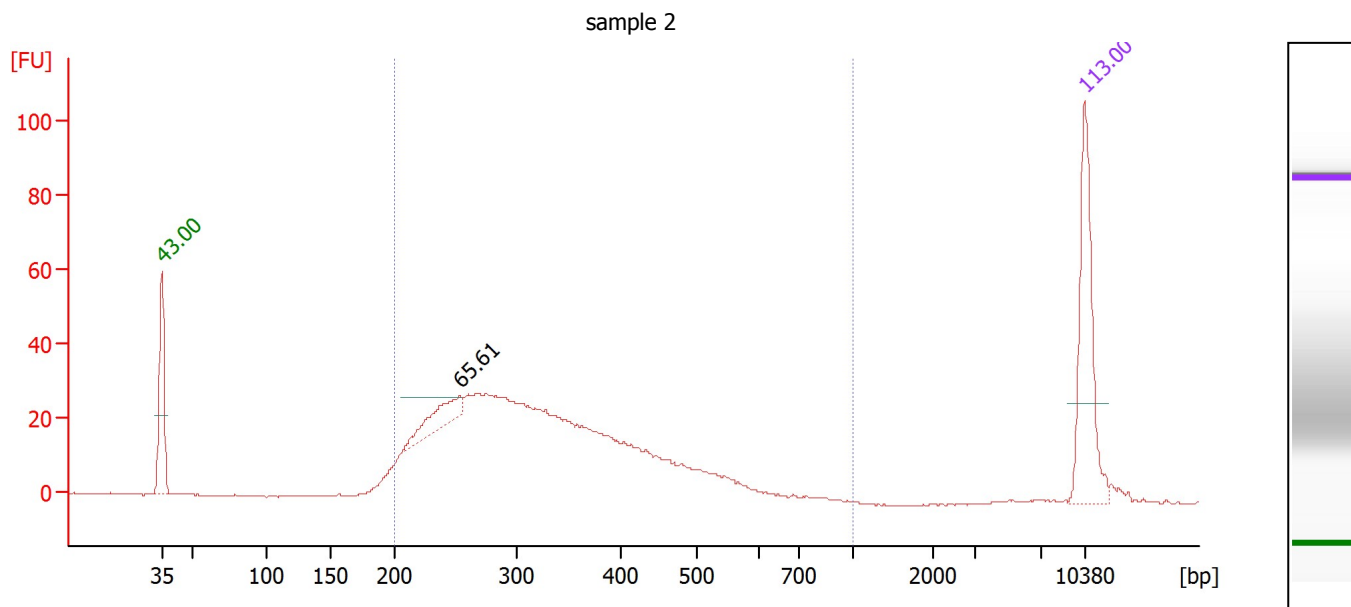
Region table for sample 1 : sample 1

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	2,179.4	99	345	28.2	2,198.38	10,573.0	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE24802258_2017-09-26_10-06-13.xad

Created: 9/26/2017 10:06:12 AM
 Modified: 9/26/2017 10:47:33 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 : sample 2

Number of peaks found: 1 Corr. Area 1: 692.3
 Noise: 0.1

Peak table for sample 2 : sample 2

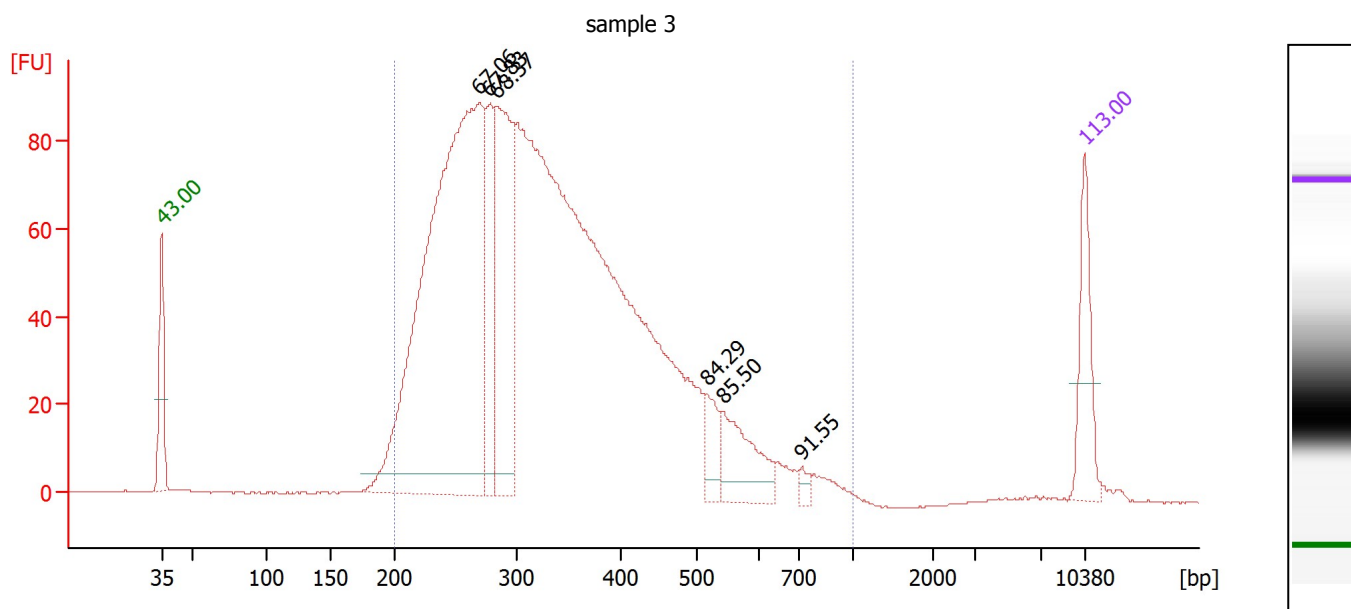
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	254	38.59	230.3	
3	10,380	75.00	10.9	Upper Marker

Region table for sample 2 : sample 2

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	692.3	96	335	29.3	769.09	3,844.3	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE24802258_2017-09-26_10-06-13.xad

Created: 9/26/2017 10:06:12 AM
 Modified: 9/26/2017 10:47:33 AM

Electropherogram Summary Continued ...**Overall Results for sample 3 : sample 3**

Number of peaks found: 6 Corr. Area 1: 2,150.6
 Noise: 0.2

Peak table for sample 3 : sample 3

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	270	1,231.17	6,918.7	
3	278	163.57	891.5	
4	284	339.20	1,811.4	
5	516	51.47	151.2	
6	542	107.56	300.8	
7	717	11.60	24.5	
8	10,380	75.00	10.9	Upper Marker

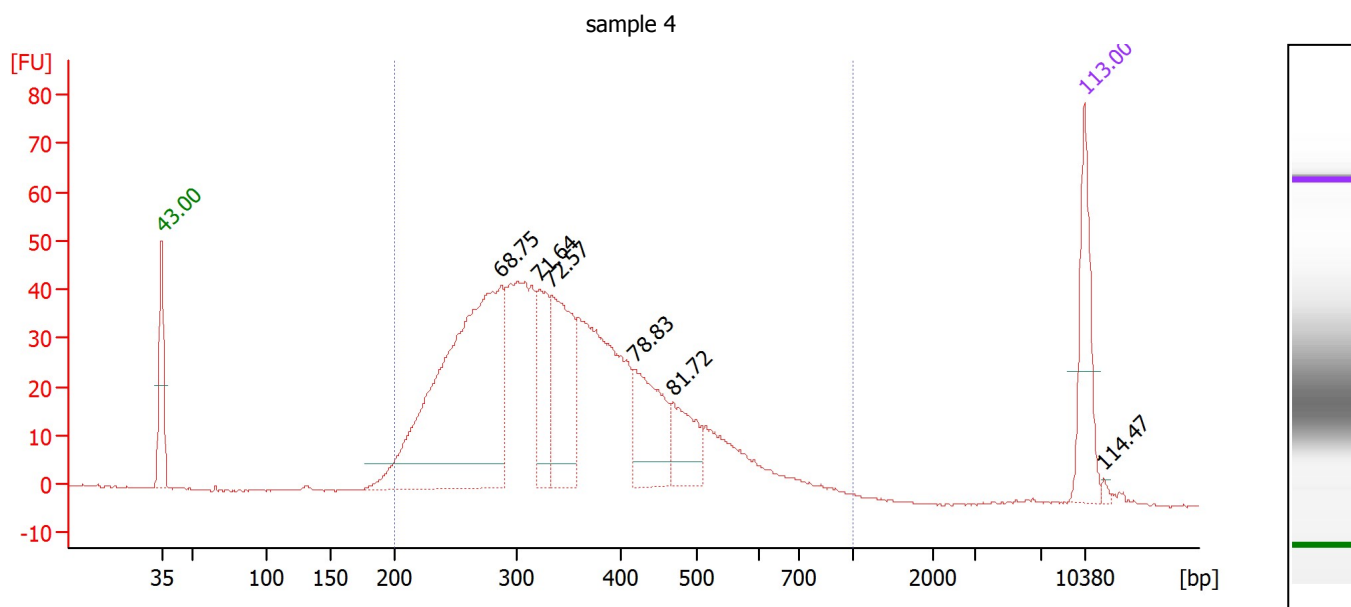
Region table for sample 3 : sample 3

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	2,150.6	98	343	31.4	3,670.12	18,020.8	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE24802258_2017-09-26_10-06-13.xad

Created: 9/26/2017 10:06:12 AM
 Modified: 9/26/2017 10:47:33 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : sample 4

Number of peaks found: 6 Corr. Area 1: 1,067.0
 Noise: 0.1

Peak table for sample 4 : sample 4

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	288	606.46	3,192.4	
3	322	100.43	472.4	
4	334	168.53	765.0	
5	417	118.74	431.0	
6	468	67.24	217.7	
7	10,380	75.00	10.9	Upper Marker
8	11,894	0.00	0.0	

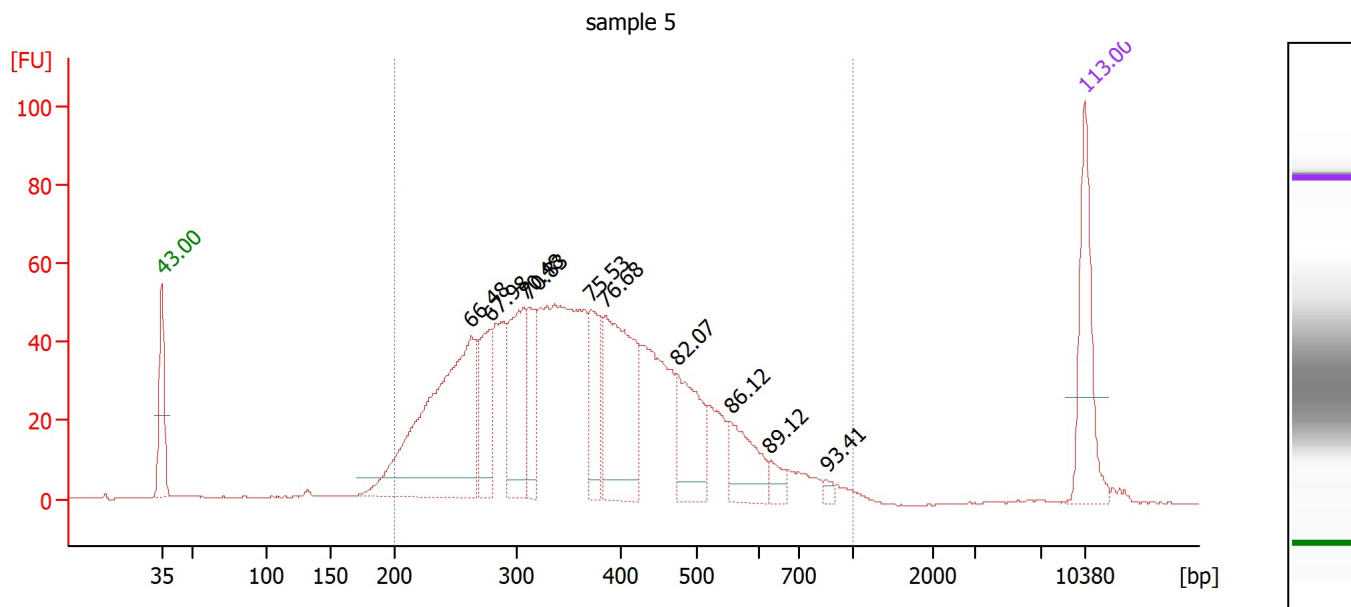
Region table for sample 4 : sample 4

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	1,067.0	98	358	30.5	1,801.54	8,478.5	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE24802258_2017-09-26_10-06-13.xad

Created: 9/26/2017 10:06:12 AM
 Modified: 9/26/2017 10:47:33 AM

Electropherogram Summary Continued ...



Overall Results for sample 5 : sample 5

Number of peaks found: 10 Corr. Area 1: 1,437.8
 Noise: 0.2

Peak table for sample 5 : sample 5

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	263	350.96	2,018.8	
3	280	82.08	444.8	
4	308	128.33	632.1	
5	312	65.66	318.9	
6	371	74.95	306.1	
7	385	179.08	704.0	
8	474	93.57	299.0	
9	555	61.29	167.4	
10	629	14.78	35.6	
11	852	5.34	9.5	
12	10,380	75.00	10.9	Upper Marker

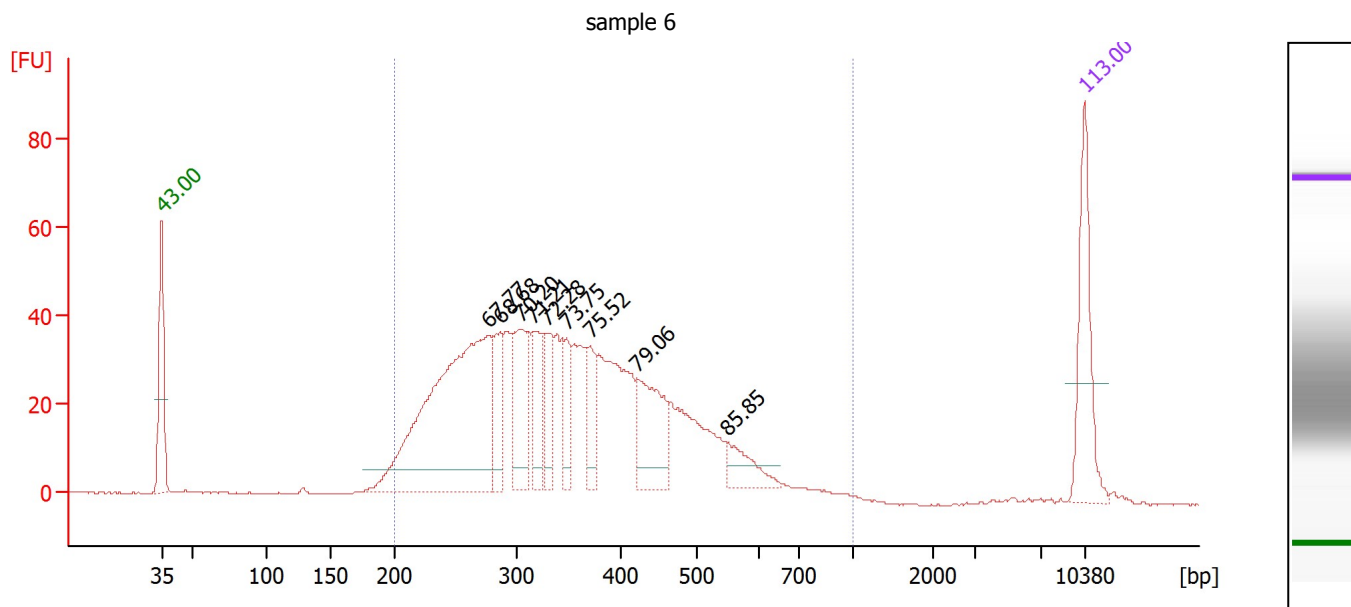
Region table for sample 5 : sample 5

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	1,437.8	95	379	32.5	1,742.95	7,901.1	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE24802258_2017-09-26_10-06-13.xad

Created: 9/26/2017 10:06:12 AM
 Modified: 9/26/2017 10:47:33 AM

Electropherogram Summary Continued ...



Overall Results for sample 6 : sample 6

Number of peaks found: 9 Corr. Area 1: 1,022.2
 Noise: 0.1

Peak table for sample 6 : sample 6

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	277	441.24	2,411.2	
3	287	56.96	300.6	
4	304	103.43	515.4	
5	317	57.49	274.9	
6	330	51.21	235.0	
7	349	43.30	188.2	
8	371	42.00	171.6	
9	421	92.23	331.5	
10	549	35.81	98.8	
11	10,380	75.00	10.9	Upper Marker

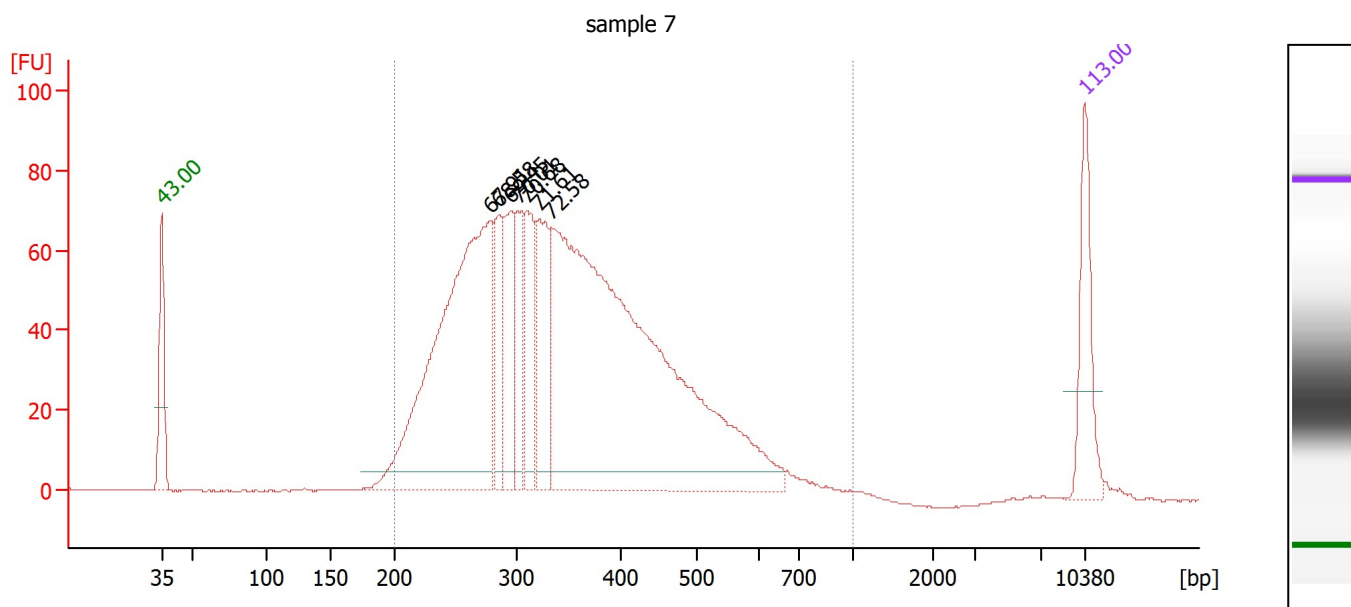
Region table for sample 6 : sample 6

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	1,022.2	98	358	29.5	1,487.38	7,003.2	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE24802258_2017-09-26_10-06-13.xad

Created: 9/26/2017 10:06:12 AM
 Modified: 9/26/2017 10:47:33 AM

Electropherogram Summary Continued ...



Overall Results for sample 7 : sample 7

Number of peaks found: 7 Corr. Area 1: 1,748.6
 Noise: 0.1

Peak table for sample 7 : sample 7

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	279	668.77	3,634.8	
3	286	94.12	498.7	
4	295	107.35	550.6	
5	302	92.40	464.0	
6	310	117.18	572.5	
7	322	136.49	642.8	
8	334	1,103.69	5,006.9	
9	10,380	75.00	10.9	Upper Marker

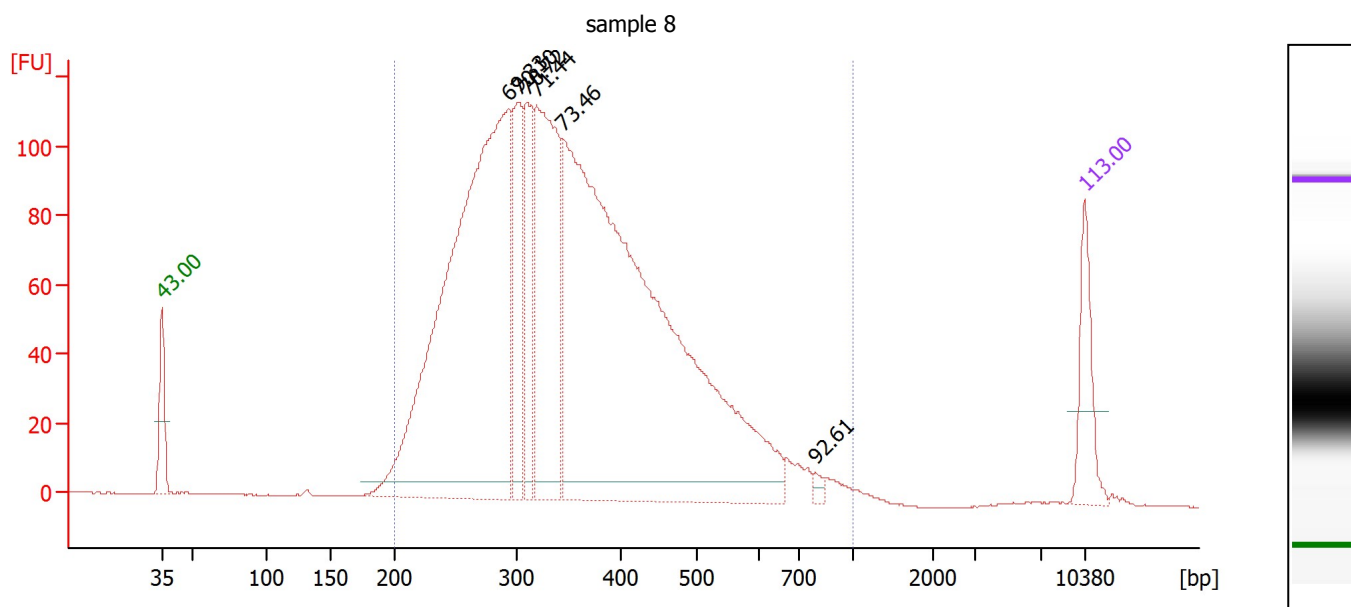
Region table for sample 7 : sample 7

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	1,748.6	99	356	29.1	2,309.67	10,868.4	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE24802258_2017-09-26_10-06-13.xad

Created: 9/26/2017 10:06:12 AM
 Modified: 9/26/2017 10:47:33 AM

Electropherogram Summary Continued ...



Overall Results for sample 8 : sample 8

Number of peaks found: 6 Corr. Area 1: 2,680.9
 Noise: 0.2

Peak table for sample 8 : sample 8

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	294	1,340.06	6,904.2	
3	303	202.38	1,012.5	
4	311	174.06	849.0	
5	320	468.24	2,219.2	
6	345	1,747.58	7,675.2	
7	794	9.81	18.7	
8	10,380	75.00	10.9	Upper Marker

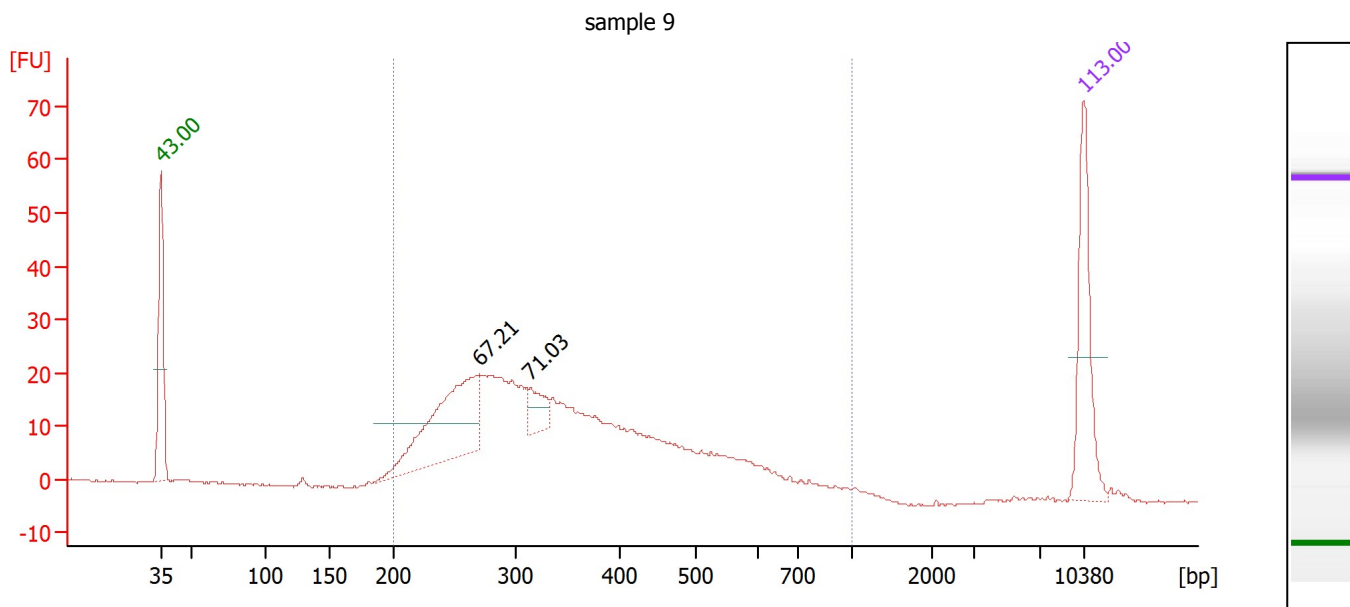
Region table for sample 8 : sample 8

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	2,680.9	99	362	30.3	3,858.38	17,899.6	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE24802258_2017-09-26_10-06-13.xad

Created: 9/26/2017 10:06:12 AM
 Modified: 9/26/2017 10:47:33 AM

Electropherogram Summary Continued ...



Overall Results for sample 9 : sample 9

Number of peaks found: 2 Corr. Area 1: 496.4
 Noise: 0.2

Peak table for sample 9 : sample 9

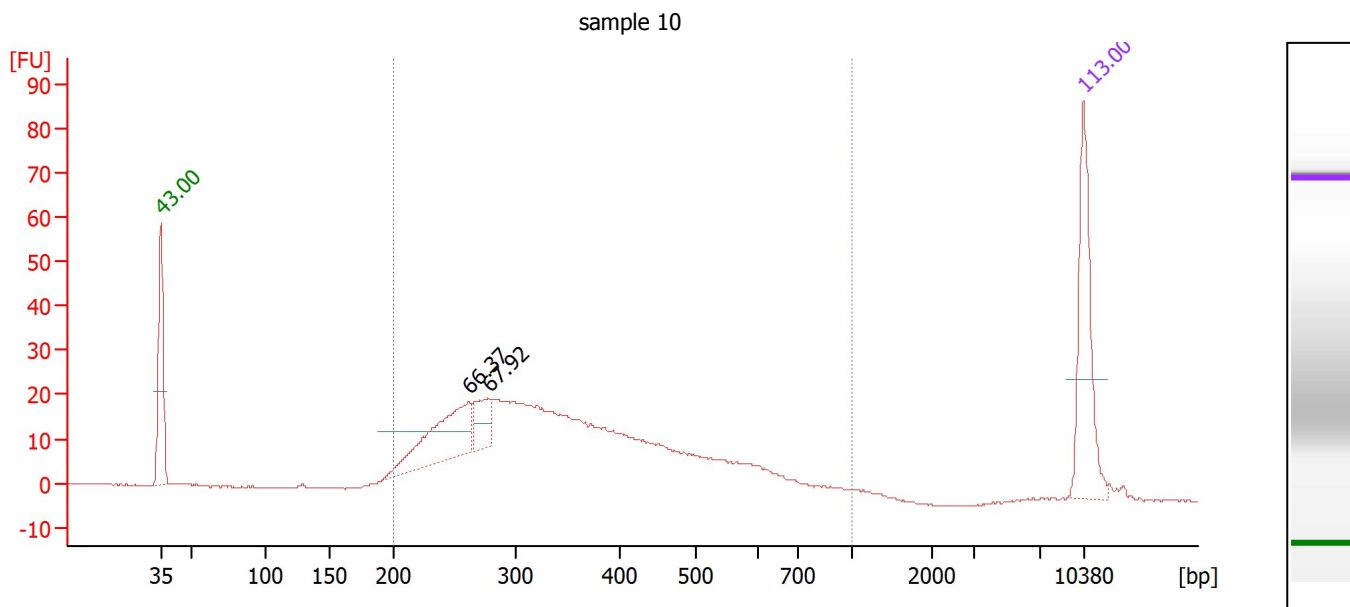
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	271	173.26	967.8	
3	315	28.30	136.3	
4	10,380	75.00	10.9	Upper Marker

Region table for sample 9 : sample 9

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	496.4	99	355	32.3	857.78	4,117.5	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE24802258_2017-09-26_10-06-13.xad

Created: 9/26/2017 10:06:12 AM
 Modified: 9/26/2017 10:47:33 AM

Electropherogram Summary Continued ...**Overall Results for sample 10 : sample 10**

Number of peaks found: 2 Corr. Area 1: 521.6
 Noise: 0.2

Peak table for sample 10 : sample 10

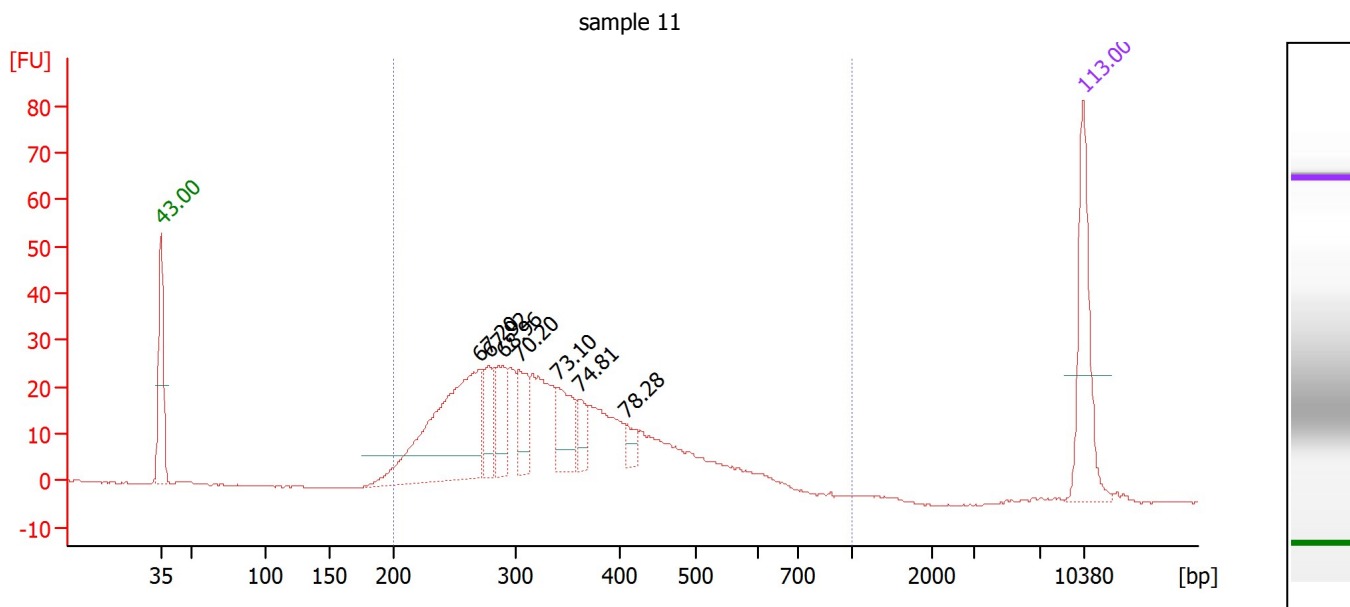
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	262	103.39	597.5	
3	279	34.56	187.8	
4	10,380	75.00	10.9	Upper Marker

Region table for sample 10 : sample 10

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	521.6	98	363	33.4	730.07	3,455.5	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE24802258_2017-09-26_10-06-13.xad

Created: 9/26/2017 10:06:12 AM
 Modified: 9/26/2017 10:47:33 AM

Electropherogram Summary Continued ...**Overall Results for sample 11 : sample 11**

Number of peaks found: 7 Corr. Area 1: 596.3
 Noise: 0.1

Peak table for sample 11 : sample 11

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	271	250.61	1,400.6	
3	279	40.85	221.9	
4	290	51.15	267.1	
5	304	46.02	229.3	
6	341	53.94	240.0	
7	362	21.01	87.9	
8	408	13.31	49.4	
9	10,380	75.00	10.9	Upper Marker

Region table for sample 11 : sample 11

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	596.3	99	344	27.8	921.48	4,456.0	Blue