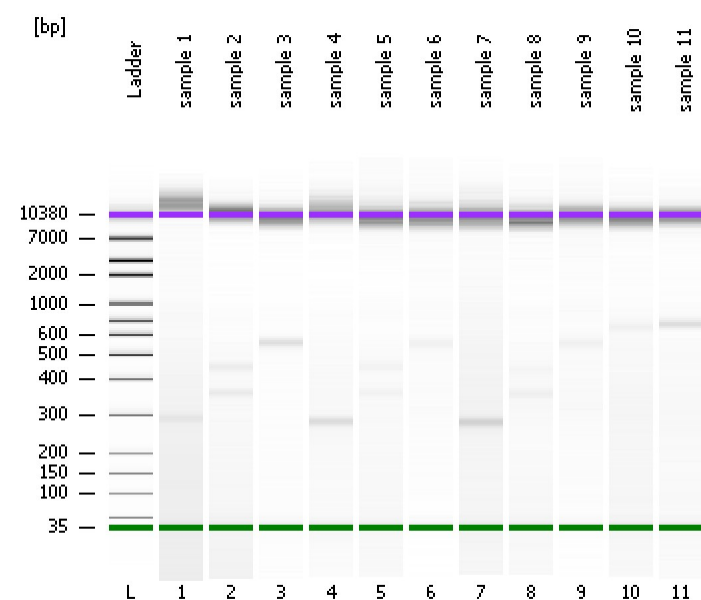


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gh Sensitivity DNA Assay_DE13805695_2014-09-18_16-44-06.xad

Created: 9/18/2014 4:44:06 PM
Modified: 9/18/2014 5:25:29 PM

Electrophoresis File Run Summary



Instrument Information:

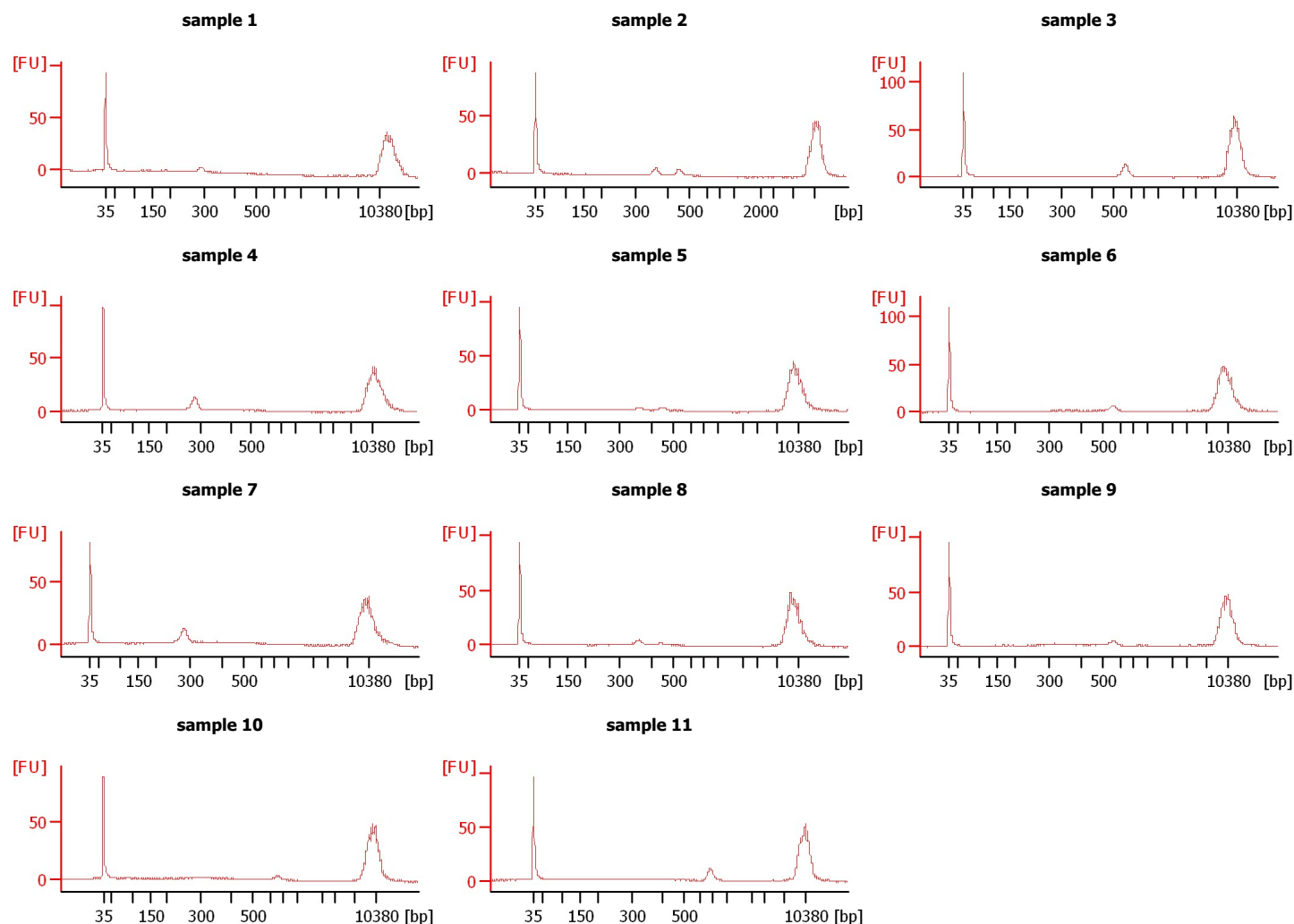
Instrument Name: DE13805695 Firmware: C.01.069
Serial#: DE13805695 Type: G2939A

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:\...gh Sensitivity DNA Assay_DE13805695_2014-09-18_16-44-06.xad

Created: 9/18/2014 4:44:06 PM
Modified: 9/18/2014 5:25:29 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
sample 1		☐	✓			
sample 2		☐	✓			
sample 3		☐	✓			
sample 4		☐	✓			
sample 5		☐	✓			
sample 6		☐	✓			
sample 7		☐	✓			
sample 8		☐	✓			
sample 9		☐	✓			
sample 10		☐	✓			
sample 11		☐	✓			
Ladder		☐	✓			
Chip Lot #			Reagent Kit Lot #			

Chip Comments :

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gh Sensitivity DNA Assay_DE13805695_2014-09-18_16-44-06.xad

Created: 9/18/2014 4:44:06 PM
Modified: 9/18/2014 5:25:29 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

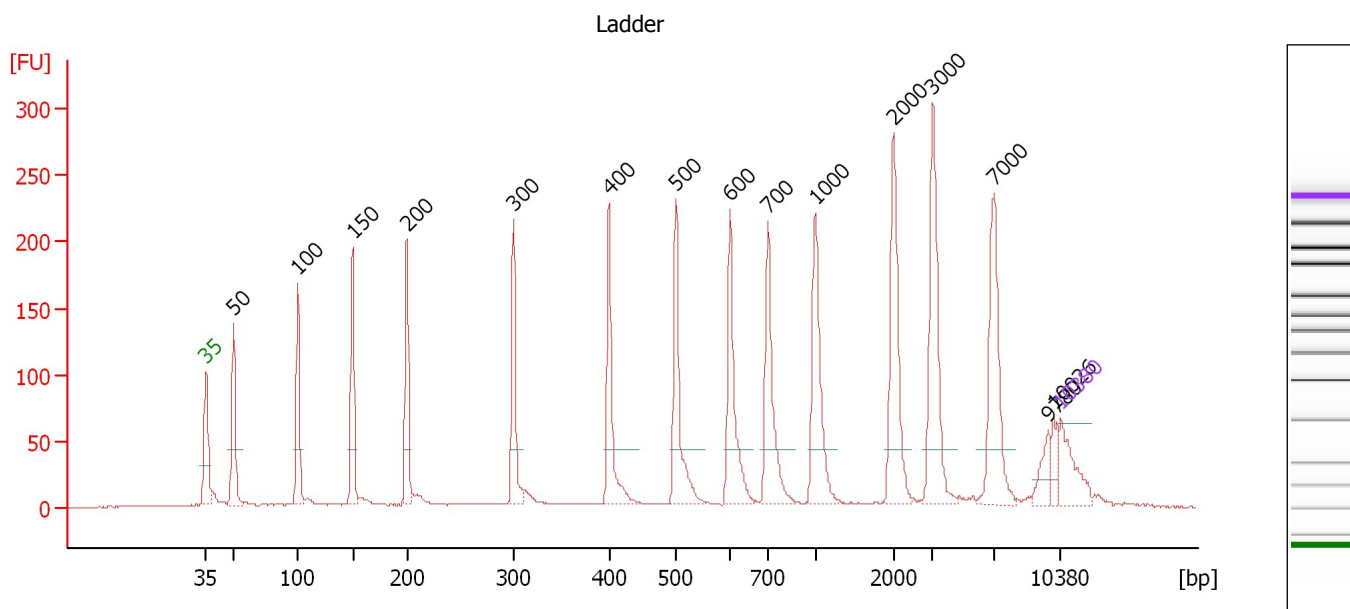
Ladder

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:\...gh Sensitivity DNA Assay_DE13805695_2014-09-18_16-44-06.xad

Created: 9/18/2014 4:44:06 PM
 Modified: 9/18/2014 5:25:29 PM

Electropherogram Summary



Overall Results for Ladder

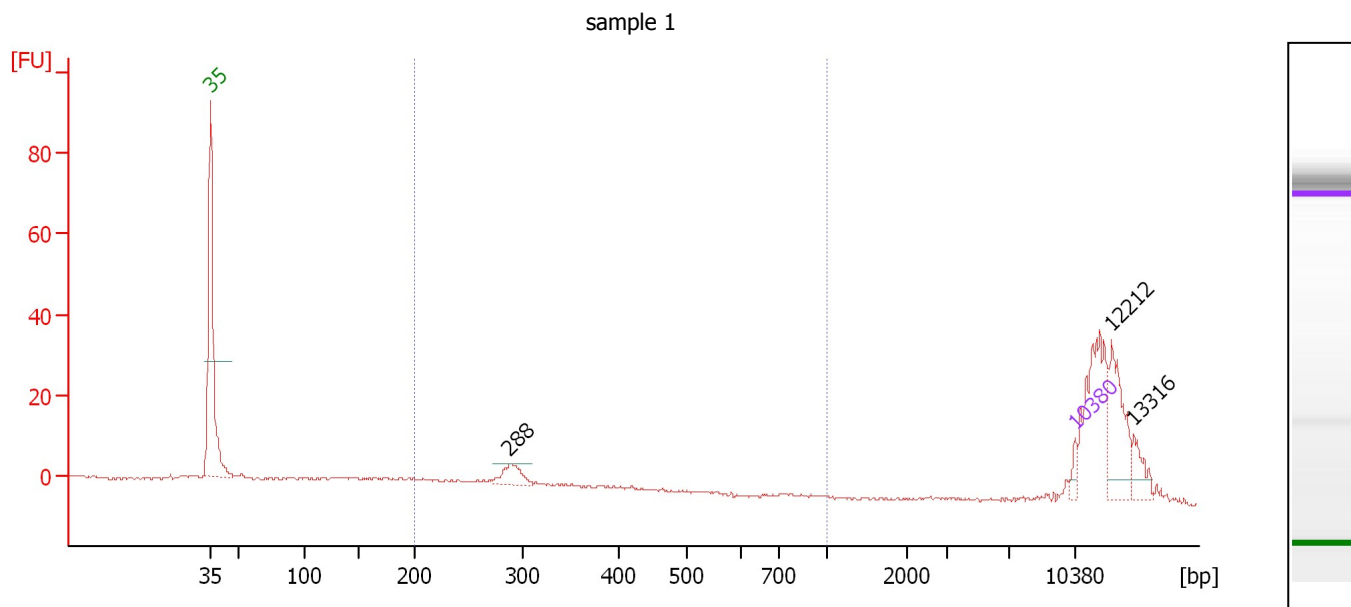
Noise: 0.3

Peak table for Ladder

Peak		Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	◀	35	125.00	5,411.3	Lower Marker
2	█	50	150.00	4,545.5	Ladder Peak
3	█	100	150.00	2,272.7	Ladder Peak
4	█	150	150.00	1,515.2	Ladder Peak
5	█	200	150.00	1,136.4	Ladder Peak
6	█	300	150.00	757.6	Ladder Peak
7	█	400	150.00	568.2	Ladder Peak
8	█	500	150.00	454.5	Ladder Peak
9	█	600	150.00	378.8	Ladder Peak
10	█	700	150.00	324.7	Ladder Peak
11	█	1,000	150.00	227.3	Ladder Peak
12	█	2,000	150.00	113.6	Ladder Peak
13	█	3,000	150.00	75.8	Ladder Peak
14	█	7,000	150.00	32.5	Ladder Peak
15		9,780	0.00	0.0	
16		10,026	0.00	0.0	
17	▶	10,380	75.00	10.9	Upper Marker

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE13805695_2014-09-18_16-44-06.xad

Created: 9/18/2014 4:44:06 PM
 Modified: 9/18/2014 5:25:29 PM

Electropherogram Summary Continued ...**Overall Results for sample 1 : sample 1**

Number of peaks found: 3 Corr. Area 1: 47.5
 Noise: 0.3

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	288	266.88	1,403.0	
3	10,380	75.00	10.9	Upper Marker
4	12,212	0.00	0.0	
5	13,316	0.00	0.0	

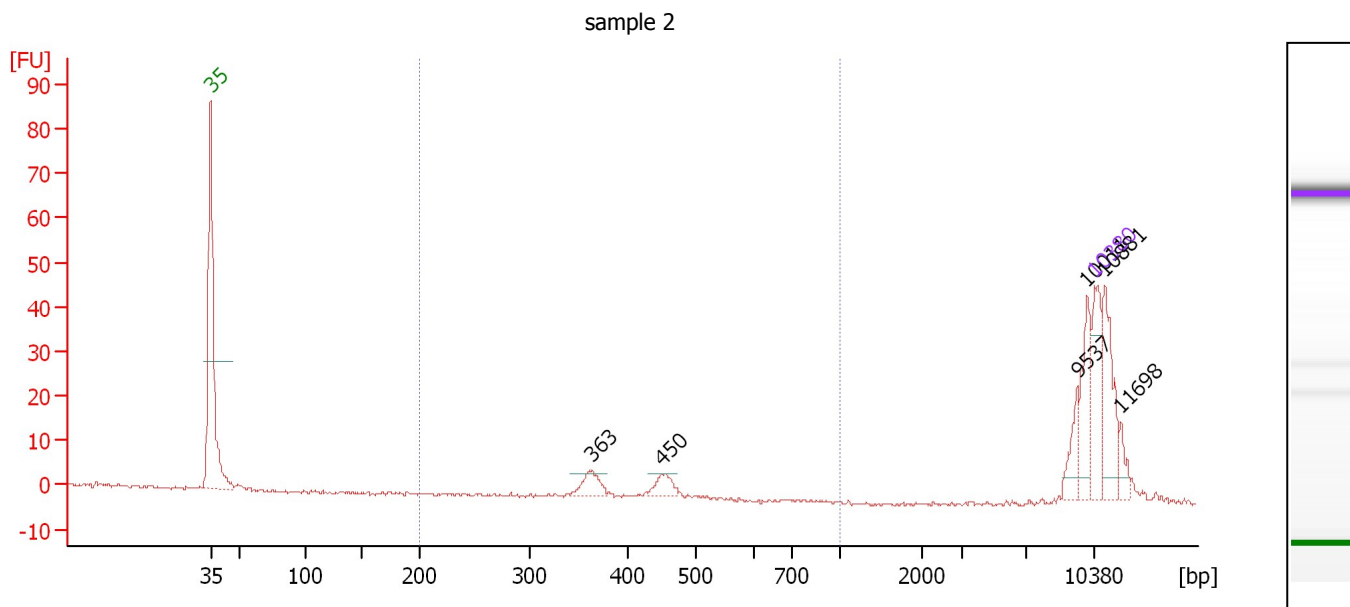
Region table for sample 1 : sample 1

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	47.5	20	310	26.9	899.75	4,689.5	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE13805695_2014-09-18_16-44-06.xad

Created: 9/18/2014 4:44:06 PM
 Modified: 9/18/2014 5:25:29 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : sample 2

Number of peaks found: 6 Corr. Area 1: 20.9
 Noise: 0.4

Peak table for sample 2 : sample 2

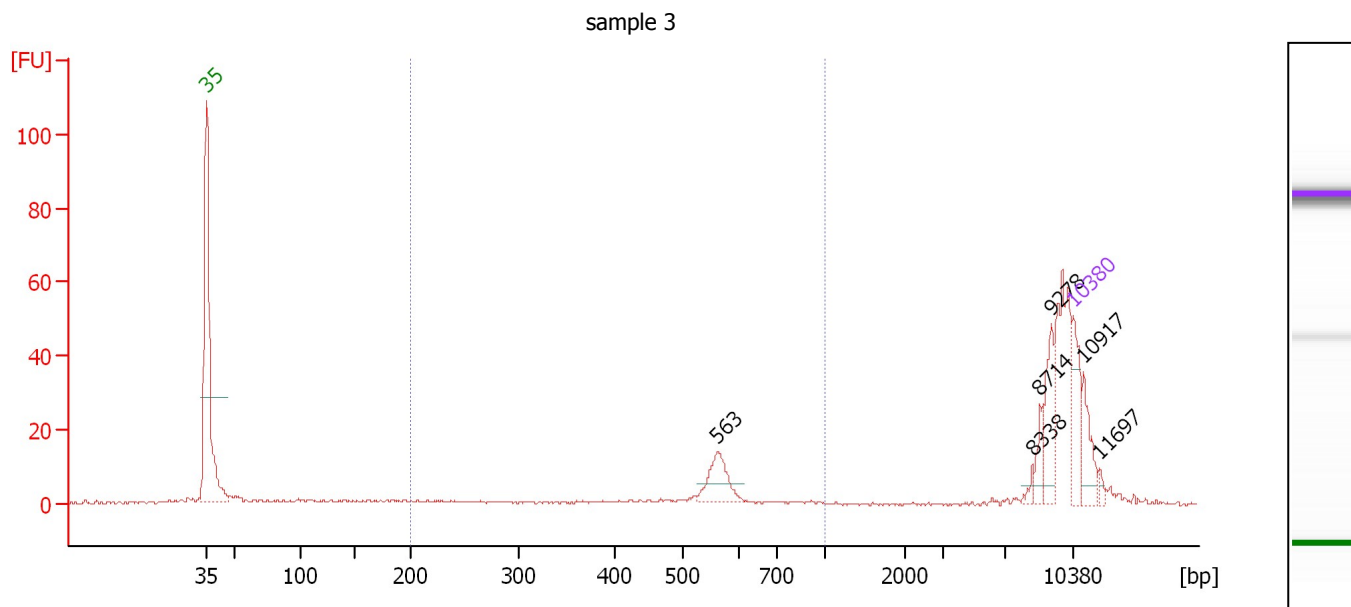
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	363	41.66	173.7	
3	450	30.00	101.1	
4	9,537	34.86	5.5	Upper Marker
5	10,011	71.02	10.7	
6	10,380	75.00	10.9	
7	10,881	0.00	0.0	
8	11,698	0.00	0.0	

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	20.9	15	406	11.3	63.86	242.8	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE13805695_2014-09-18_16-44-06.xad

Created: 9/18/2014 4:44:06 PM
 Modified: 9/18/2014 5:25:29 PM

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

Number of peaks found: 6 Corr. Area 1: 50.1
 Noise: 0.4

Peak table for sample 3 : sample 3

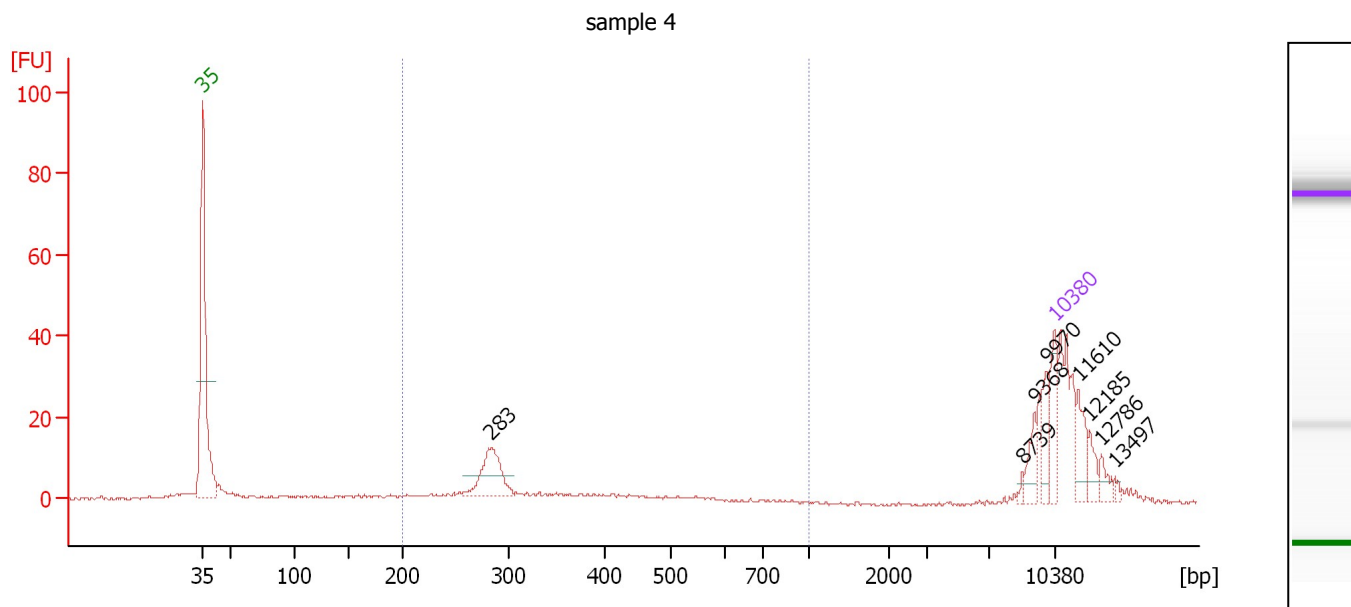
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	563	89.59	241.0	
3	8,338	10.53	1.9	Upper Marker
4	8,714	30.03	5.2	
5	9,278	78.15	12.8	
6	10,380	75.00	10.9	
7	10,917	0.00	0.0	
8	11,697	0.00	0.0	

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	50.1	21	512	23.8	159.09	549.2	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE13805695_2014-09-18_16-44-06.xad

Created: 9/18/2014 4:44:06 PM
 Modified: 9/18/2014 5:25:29 PM

Electropherogram Summary Continued ...**Overall Results for sample 4 : sample 4**

Number of peaks found: 8 Corr. Area 1: 89.0
 Noise: 0.4

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	283	175.66	941.0	
3	8,739	8.88	1.5	
4	9,368	43.97	7.1	
5	9,970	54.33	8.3	
6	10,380	75.00	10.9	Upper Marker
7	11,610	0.00	0.0	
8	12,185	0.00	0.0	
9	12,786	0.00	0.0	
10	13,497	0.00	0.0	

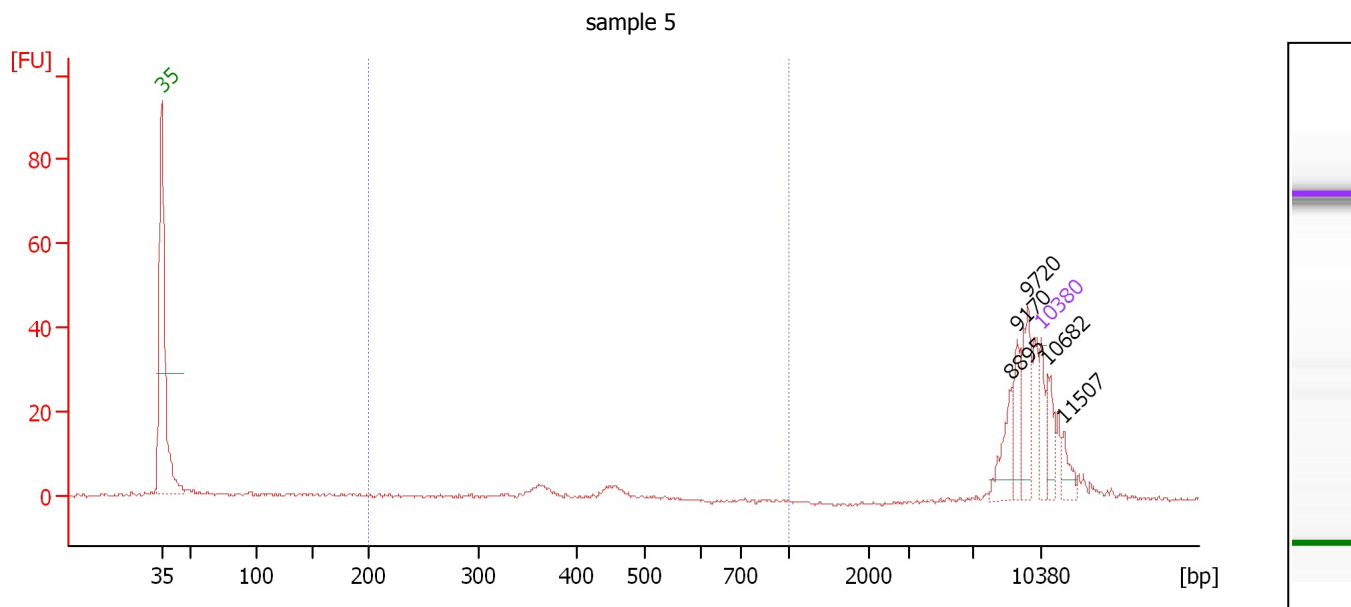
Region table for sample 4 : sample 4

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	89.0	32	334	30.2	432.59	2,151.8	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE13805695_2014-09-18_16-44-06.xad

Created: 9/18/2014 4:44:06 PM
 Modified: 9/18/2014 5:25:29 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : sample 5

Number of peaks found: 5 Corr. Area 1: 17.7
 Noise: 0.4

Peak table for sample 5 : sample 5

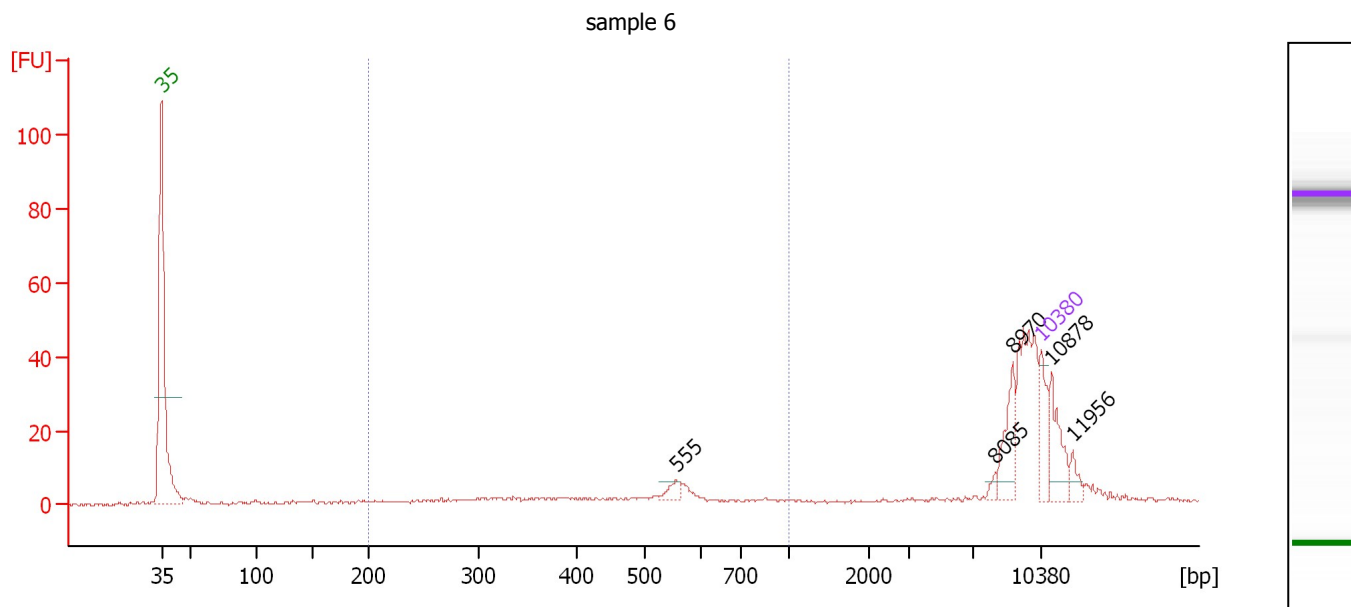
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	8,895	105.55	18.0	
3	9,170	93.71	15.5	
4	9,720	144.09	22.5	
5	10,380	75.00	10.9	Upper Marker
6	10,682	0.00	0.0	
7	11,507	0.00	0.0	

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	17.7	10	389	17.4	114.01	470.4	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE13805695_2014-09-18_16-44-06.xad

Created: 9/18/2014 4:44:06 PM
 Modified: 9/18/2014 5:25:29 PM

Electropherogram Summary Continued ...**Overall Results for sample 6 : sample 6**

Number of peaks found: 5 Corr. Area 1: 59.2
 Noise: 0.4

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	555	26.48	72.2	
3	8,085	11.43	2.1	
4	8,970	96.08	16.2	
5	10,380	75.00	10.9	Upper Marker
6	10,878	0.00	0.0	
7	11,956	0.00	0.0	

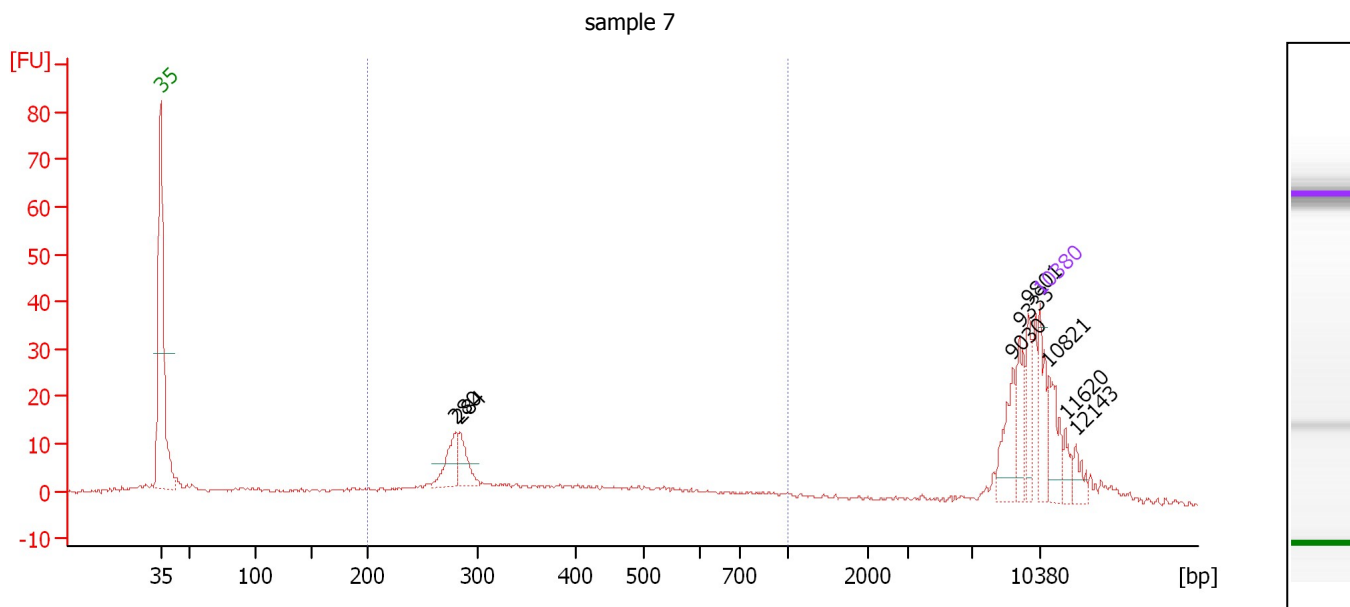
Region table for sample 6 : sample 6

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	59.2	24	461	34.2	249.64	982.7	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE13805695_2014-09-18_16-44-06.xad

Created: 9/18/2014 4:44:06 PM
 Modified: 9/18/2014 5:25:29 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : sample 7

Number of peaks found: 8 Corr. Area 1: 135.9
 Noise: 0.4

Peak table for sample 7 : sample 7

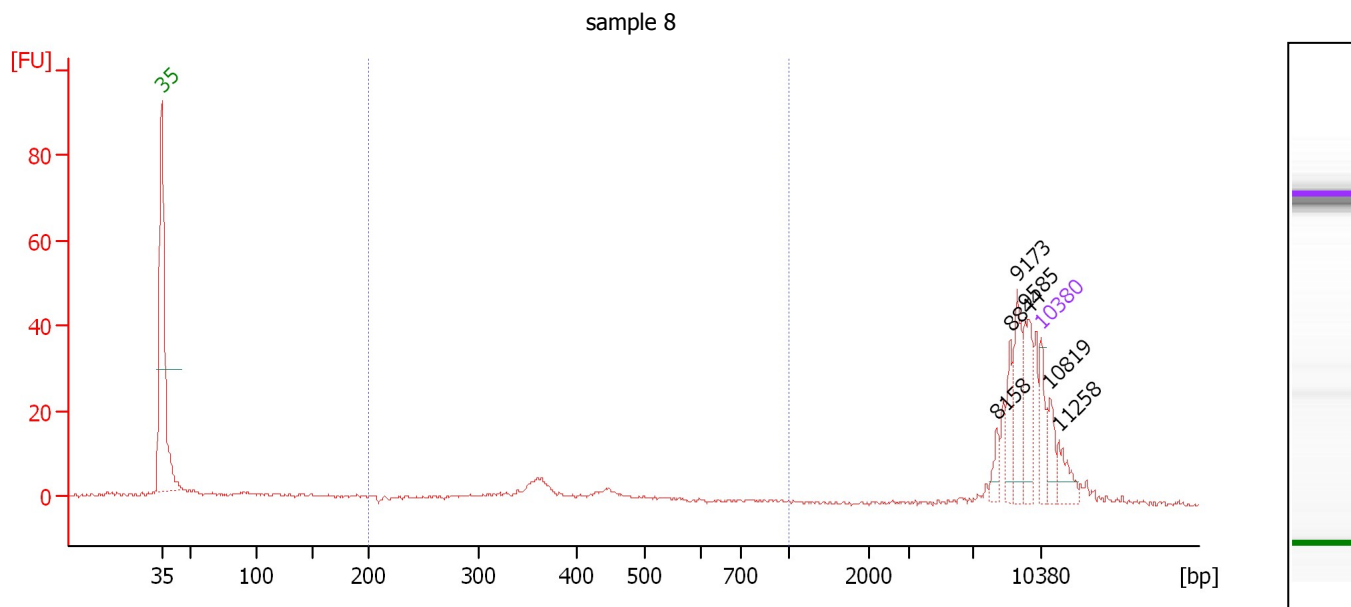
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	280	92.76	502.2	
3	284	76.56	408.6	
4	9,030	81.06	13.6	
5	9,333	56.36	9.1	
6	9,801	58.88	9.1	
7	10,380	75.00	10.9	Upper Marker
8	10,821	0.00	0.0	
9	11,620	0.00	0.0	
10	12,143	0.00	0.0	

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	135.9	39	397	41.5	634.36	2,902.6	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE13805695_2014-09-18_16-44-06.xad

Created: 9/18/2014 4:44:06 PM
 Modified: 9/18/2014 5:25:29 PM

Electropherogram Summary Continued ...**Overall Results for sample 8 : sample 8**

Number of peaks found: 6 Corr. Area 1: 42.7
 Noise: 0.4

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	8,158	40.28	7.5	
3	8,844	75.50	12.9	
4	9,173	131.94	21.8	
5	9,585	147.70	23.3	
6	10,380	75.00	10.9	Upper Marker
7	10,819	0.00	0.0	
8	11,258	0.00	0.0	

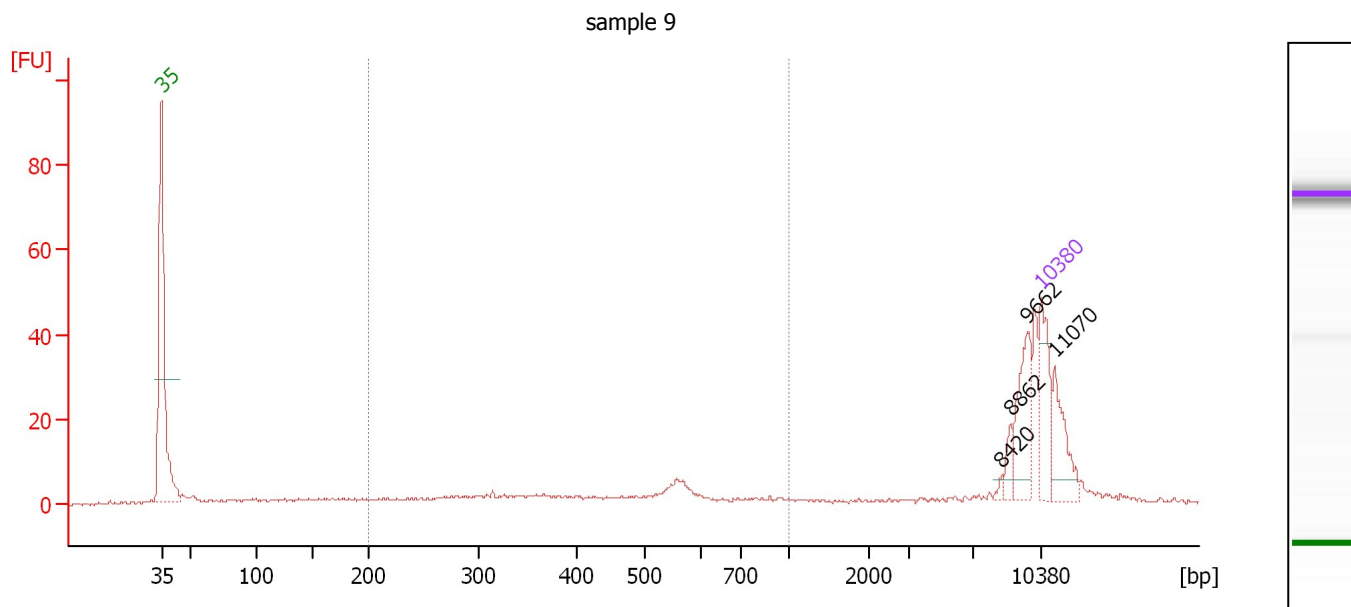
Region table for sample 8 : sample 8

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	42.7	19	395	27.7	270.33	1,129.1	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE13805695_2014-09-18_16-44-06.xad

Created: 9/18/2014 4:44:06 PM
 Modified: 9/18/2014 5:25:29 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : sample 9

Number of peaks found: 4 Corr. Area 1: 76.2
 Noise: 0.4

Peak table for sample 9 : sample 9

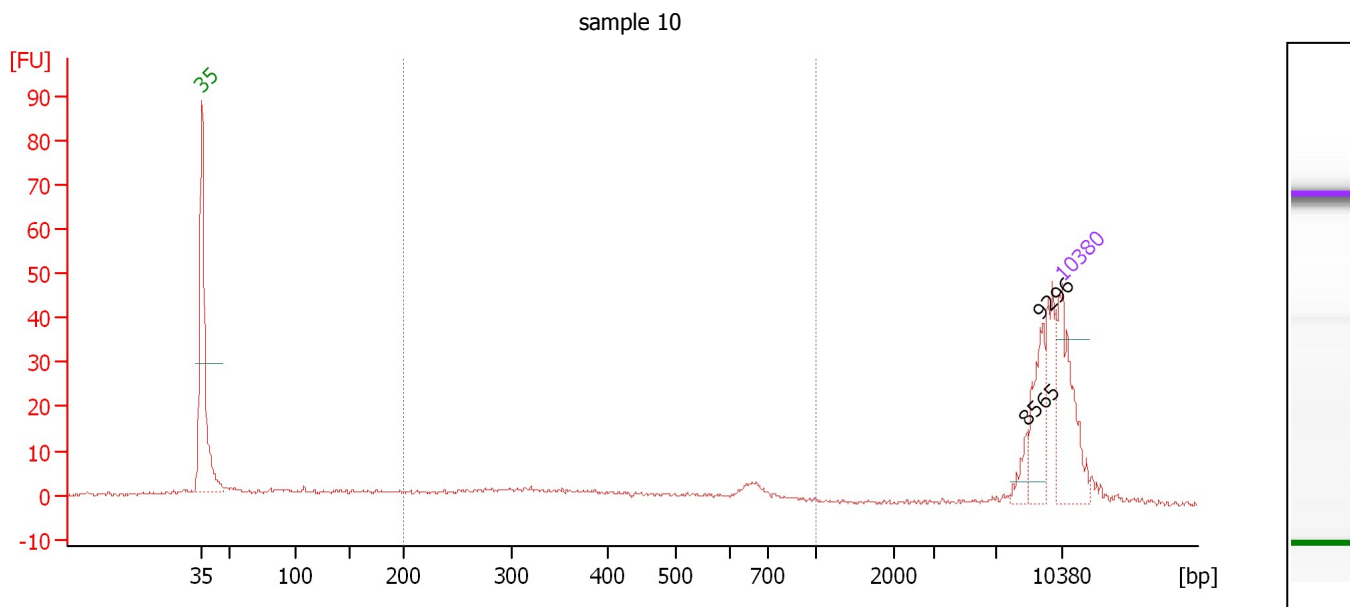
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	8,420	4.79	0.9	
3	8,862	19.52	3.3	
4	9,662	83.21	13.0	
5	10,380	75.00	10.9	Upper Marker
6	11,070	0.00	0.0	

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	76.2	30	445	37.4	216.35	897.5	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE13805695_2014-09-18_16-44-06.xad

Created: 9/18/2014 4:44:06 PM
 Modified: 9/18/2014 5:25:29 PM

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

Number of peaks found: 2 Corr. Area 1: 83.4
 Noise: 0.4

Peak table for sample 10 : sample 10

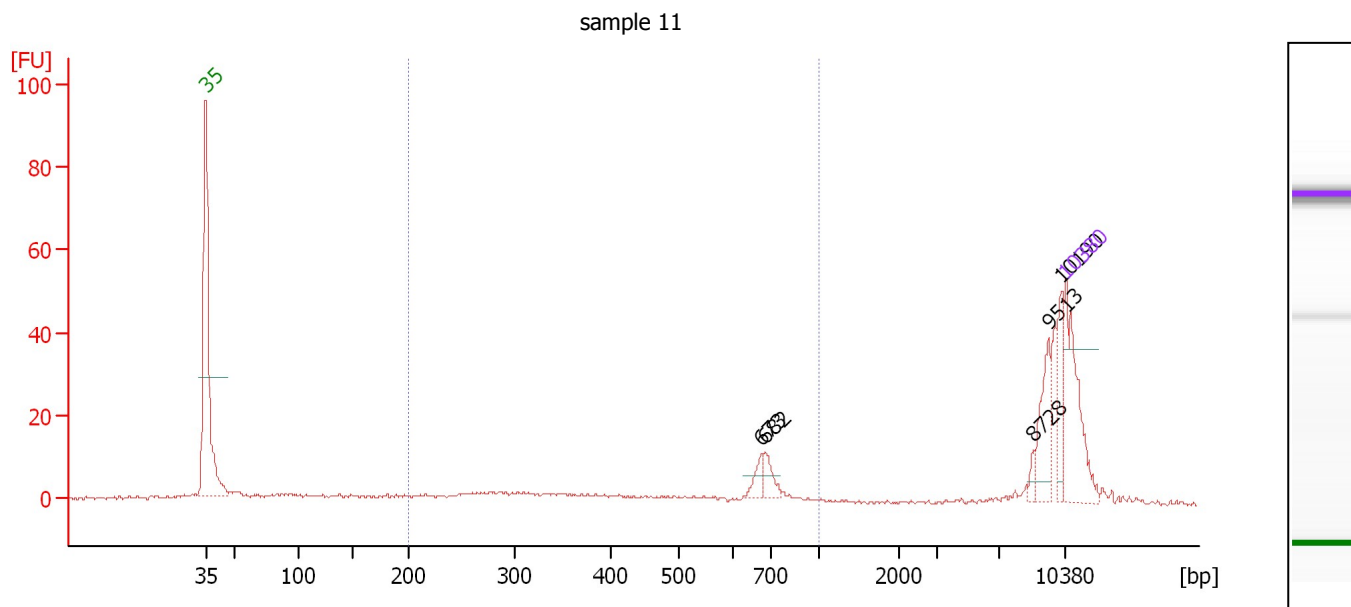
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	8,565	12.79	2.3	
3	9,296	46.76	7.6	
4	10,380	75.00	10.9	Upper Marker

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	83.4	34	438	39.7	138.59	595.0	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE13805695_2014-09-18_16-44-06.xad

Created: 9/18/2014 4:44:06 PM
 Modified: 9/18/2014 5:25:29 PM

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

Number of peaks found: 5 Corr. Area 1: 93.9
 Noise: 0.4

Peak table for sample 11 : sample 11

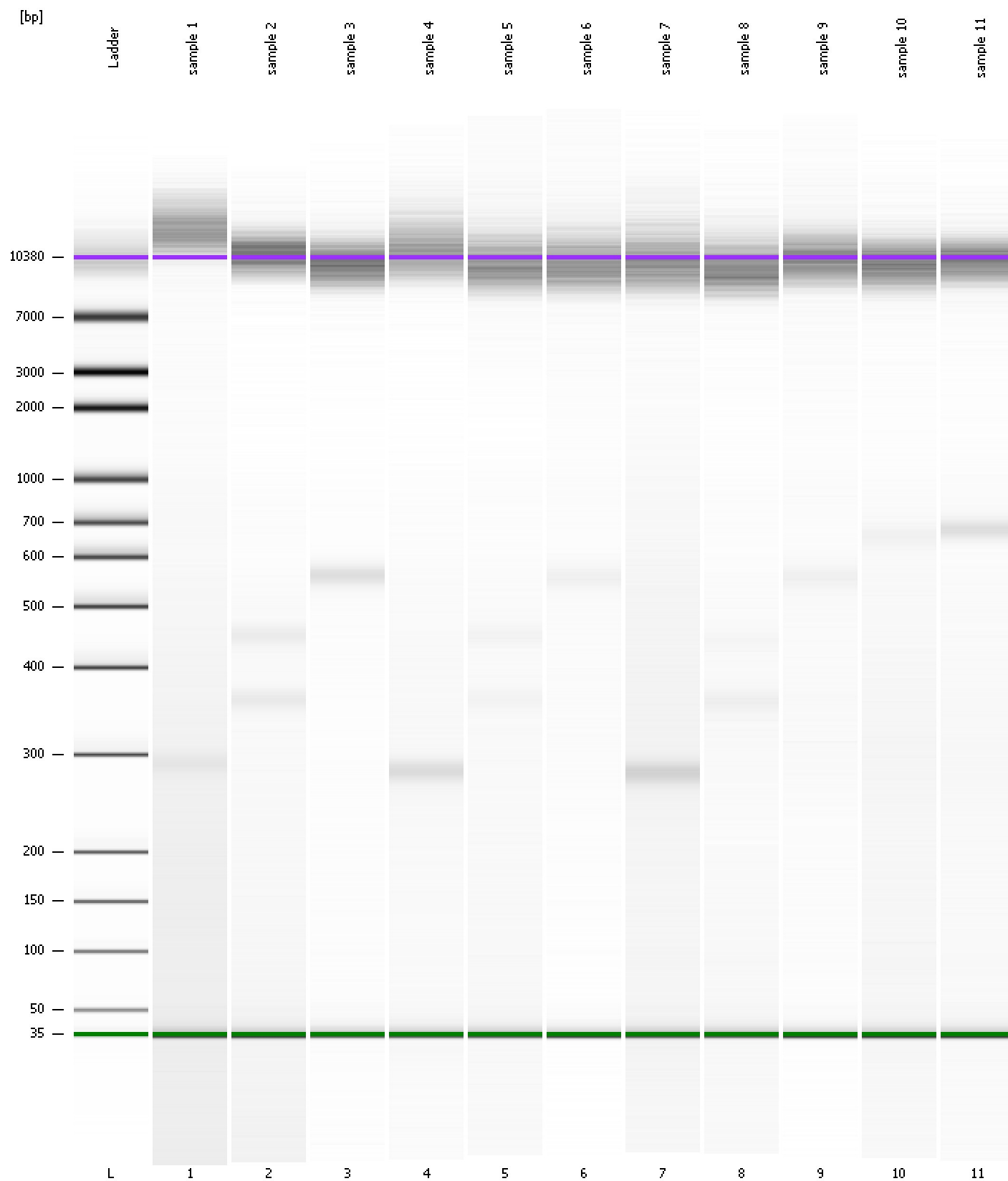
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	673	13.89	31.3	
3	682	17.89	39.7	
4	8,728	5.99	1.0	
5	9,513	42.35	6.7	
6	10,190	30.13	4.5	
7	10,380	75.00	10.9	Upper Marker

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	93.9	36	489	39.6	165.58	663.5	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gh Sensitivity DNA Assay_DE13805695_2014-09-18_16-44-06.xad

Created: 9/18/2014 4:44:06 PM
Modified: 9/18/2014 5:25:29 PM

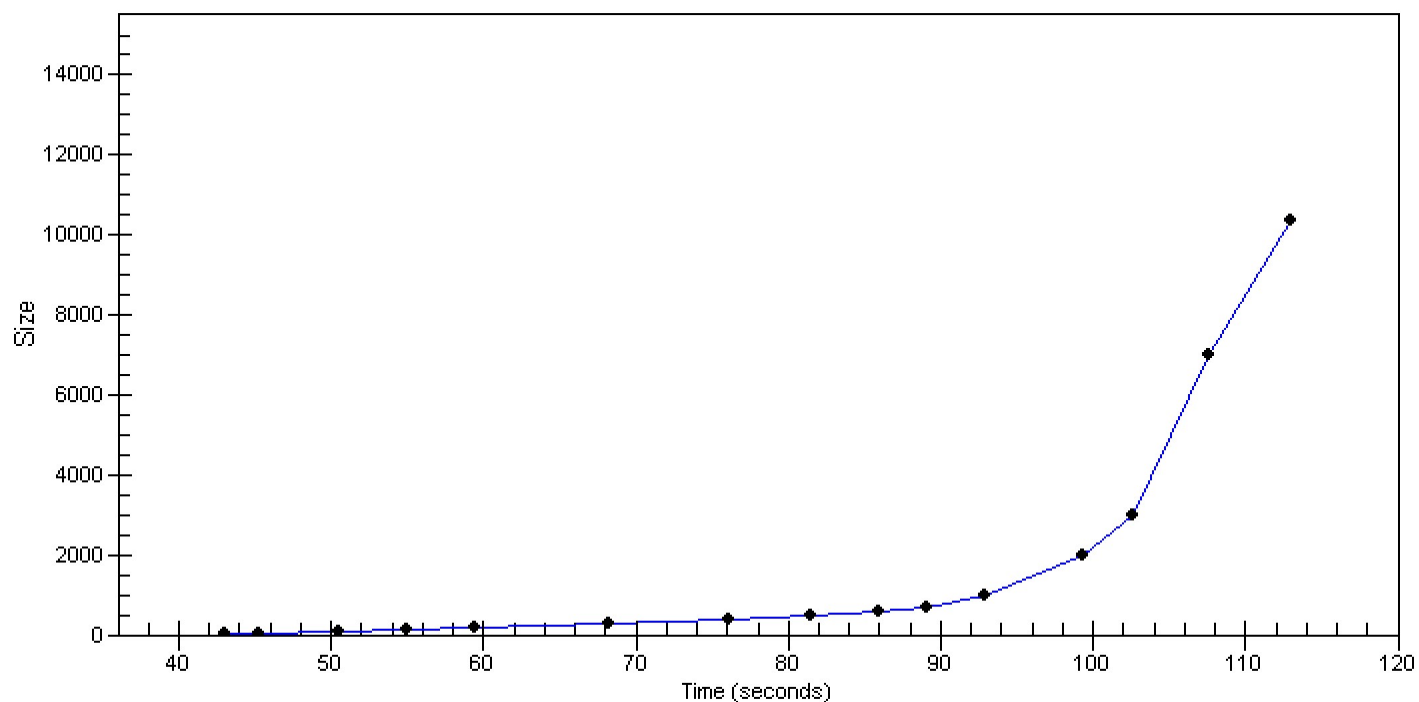
Gel Image

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gh Sensitivity DNA Assay_DE13805695_2014-09-18_16-44-06.xad

Created: 9/18/2014 4:44:06 PM
Modified: 9/18/2014 5:25:29 PM

Curves

Standard Curve



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE13805695_2014-09-18_16-44-06.xad

Created: 9/18/2014 4:44:06 PM
 Modified: 9/18/2014 5:25:29 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 4 (Number of wells acquired: 12)		Instrument	Run		9/18/2014 5:25:25 PM	(GMT +05:30) India Standard Time	Dr KV Bhutt	DR-EF97DAB0143D
Run started on port 4 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\Data\2014-09-18\2100 expert_High Sensitivity DNA Assay_DE13805695_2014-09-18_16-44-06.xad)		Instrument	Run		9/18/2014 4:44:13 PM	(GMT +05:30) India Standard Time	Dr KV Bhutt	DR-EF97DAB0143D
Product Number : G2939A		Instrument	Run		9/18/2014 4:44:13 PM	(GMT +05:30) India Standard Time	Dr KV Bhutt	DR-EF97DAB0143D
Name :		Instrument	Run		9/18/2014 4:44:13 PM	(GMT +05:30) India Standard Time	Dr KV Bhutt	DR-EF97DAB0143D
Vendor : Agilent Technologies		Instrument	Run		9/18/2014 4:44:13 PM	(GMT +05:30) India Standard Time	Dr KV Bhutt	DR-EF97DAB0143D
Serial# : DE13805695		Instrument	Run		9/18/2014 4:44:13 PM	(GMT +05:30) India Standard Time	Dr KV Bhutt	DR-EF97DAB0143D
Firmware : C.01.069		Instrument	Run		9/18/2014 4:44:13 PM	(GMT +05:30) India Standard Time	Dr KV Bhutt	DR-EF97DAB0143D
Cartridge : Electrode		Instrument	Run		9/18/2014 4:44:13 PM	(GMT +05:30) India Standard Time	Dr KV Bhutt	DR-EF97DAB0143D