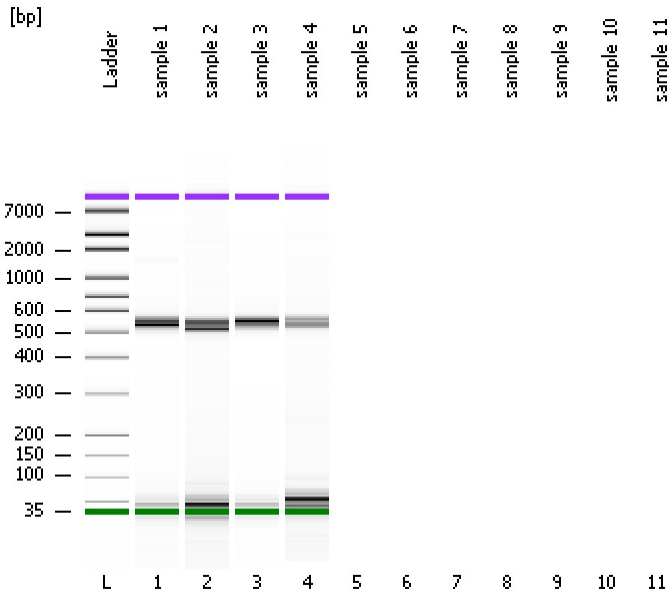


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gh Sensitivity DNA Assay_DE72902953_2018-03-16_03-58-06.xad

Created: 3/16/2018 3:58:06 AM
Modified: 3/16/2018 4:26:37 AM

Electrophoresis File Run Summary



Instrument Information:

Instrument Name: DE72902953 Firmware: C.01.069
Serial#: DE72902953 Type: G2939A

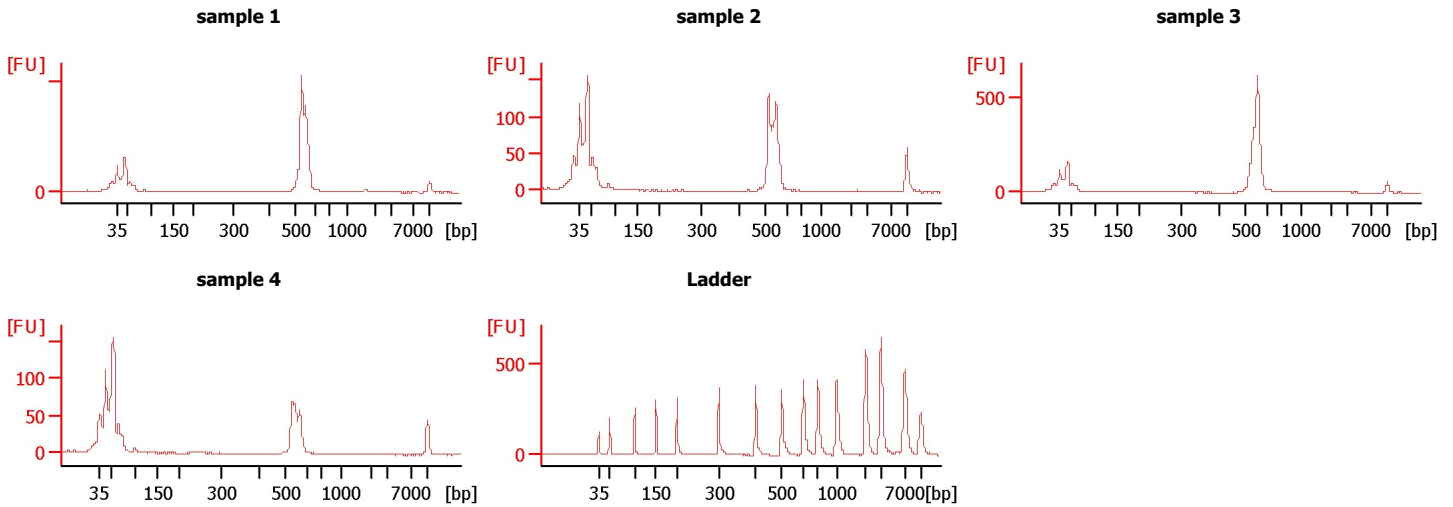
Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\dsDNA\High Sensitivity DNA.xsy

Assay Class: High Sensitivity DNA Assay
Version: 1.0
Assay Comments: Copyright © 2003-2009 Agilent Technologies

Chip Information:

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



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE72902953_2018-03-16_03-58-06.xad

Created: 3/16/2018 3:58:06 AM
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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"/>				

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gh Sensitivity DNA Assay_DE72902953_2018-03-16_03-58-06.xad

Created: 3/16/2018 3:58:06 AM
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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

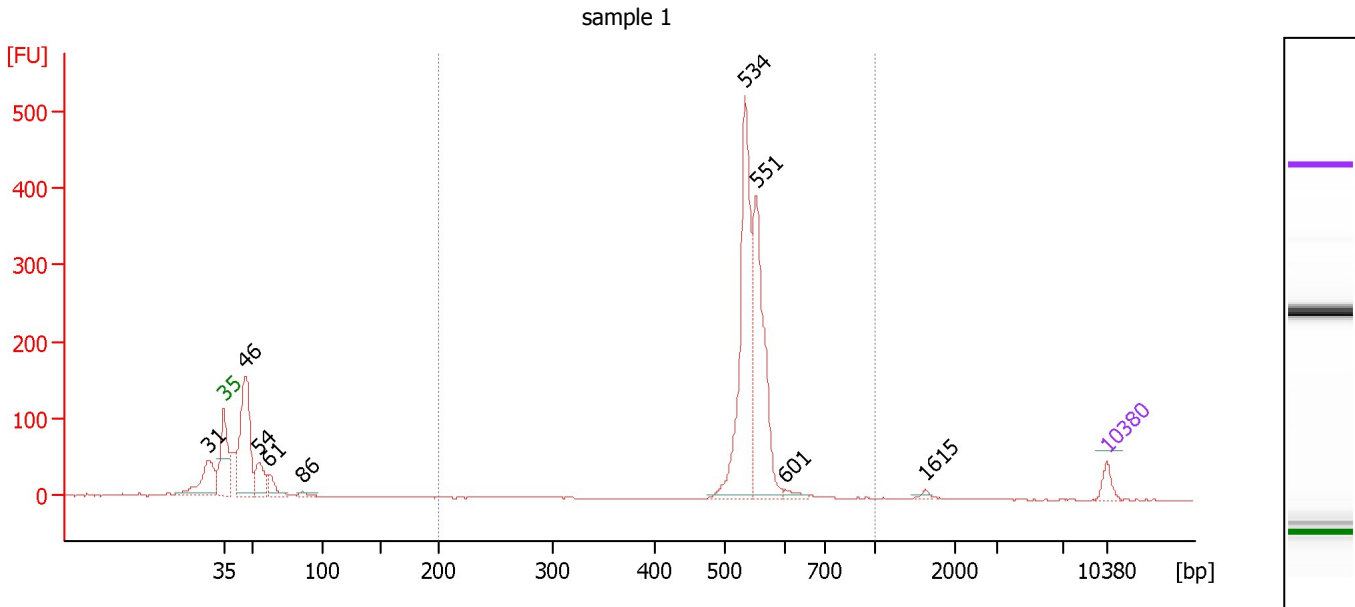
Ladder

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_DE72902953_2018-03-16_03-58-06.xad

Created: 3/16/2018 3:58:06 AM
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Electropherogram Summary



Overall Results for sample 1 : sample 1

Number of peaks found: 9 Corr. Area 1: 1,163.4
 Noise: 0.4

Peak table for sample 1 : sample 1

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	31	0.00	0.0	
2	35	125.00	5,411.2	Lower Marker
3	46	1,489.40	49,517.1	
4	54	357.30	10,072.7	
5	61	192.34	4,739.1	
6	86	44.29	781.2	
7	534	1,711.37	4,860.1	
8	551	1,380.76	3,793.8	
9	601	47.01	118.5	
10	1,615	23.55	22.1	
11	10,380	75.00	10.9	Upper Marker

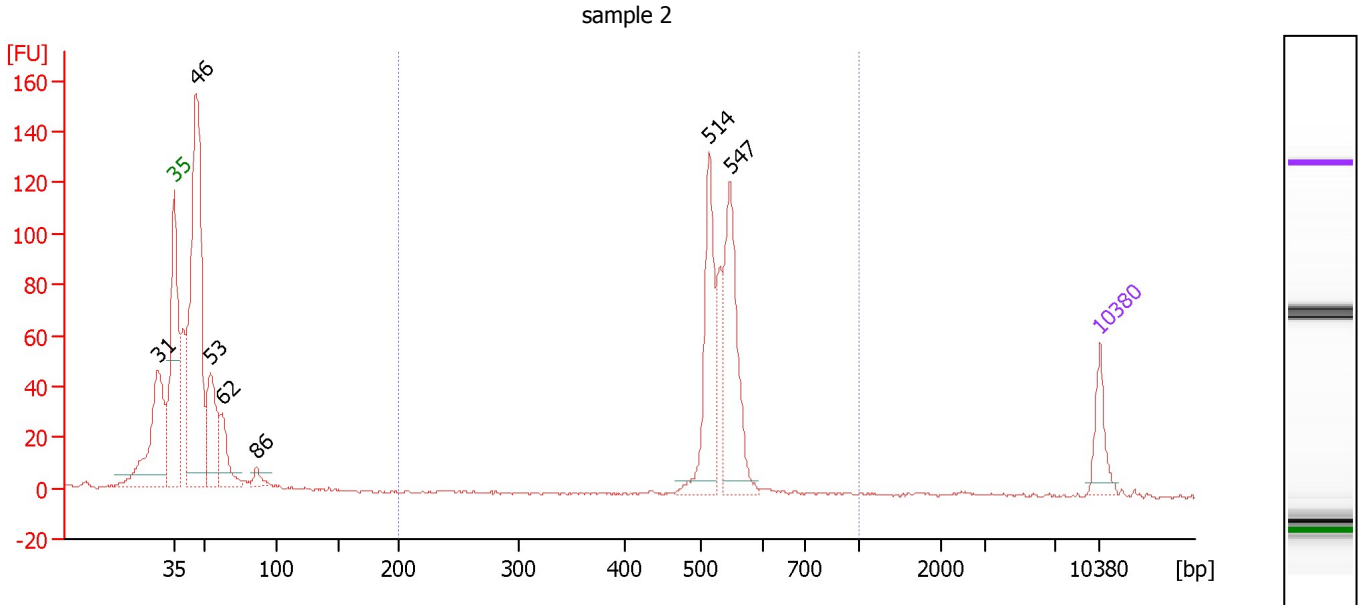
Region table for sample 1 : sample 1

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	1,163.4	60	547	6.5	3,178.26	8,853.4	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE72902953_2018-03-16_03-58-06.xad

Created: 3/16/2018 3:58:06 AM
 Modified: 3/16/2018 4:26:37 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 : sample 2

Number of peaks found: 7 Corr. Area 1: 369.1
 Noise: 0.4

Peak table for sample 2 : sample 2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	31	0.00	0.0	
2	35	125.00	5,411.2	Lower Marker
3	46	1,244.20	41,415.0	
4	53	308.79	8,747.8	
5	62	161.22	3,953.5	
6	86	37.57	665.7	
7	514	339.93	1,001.3	
8	547	391.63	1,084.1	
9	10,380	75.00	10.9	Upper Marker

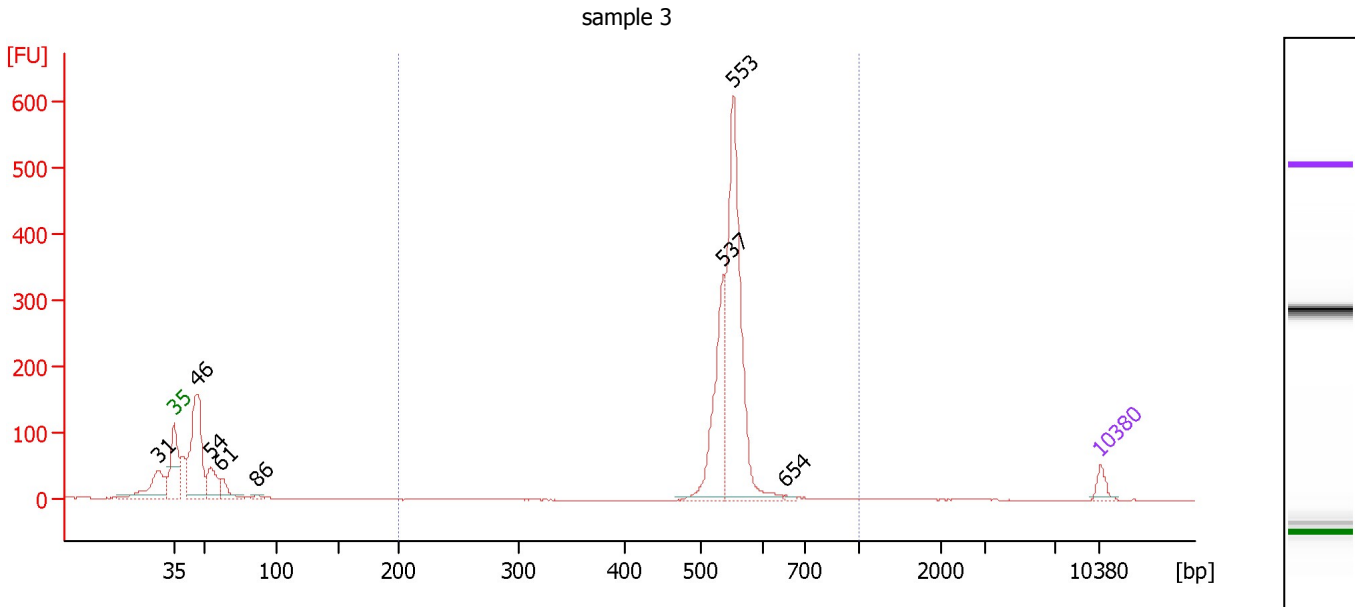
Region table for sample 2 : sample 2

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	369.1	32	535	5.7	854.71	2,424.6	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE72902953_2018-03-16_03-58-06.xad

Created: 3/16/2018 3:58:06 AM
 Modified: 3/16/2018 4:26:37 AM

Electropherogram Summary Continued ...



Overall Results for sample 3 : sample 3

Number of peaks found: 8 Corr. Area 1: 1,230.5
 Noise: 0.4

Peak table for sample 3 : sample 3

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	31	0.00	0.0	
2	35	125.00	5,411.2	Lower Marker
3	46	1,442.49	47,246.7	
4	54	395.09	11,105.1	
5	61	202.60	5,020.6	
6	86	39.12	691.9	
7	537	985.92	2,780.3	
8	553	2,223.68	6,091.5	
9	654	15.63	36.2	
10	10,380	75.00	10.9	Upper Marker

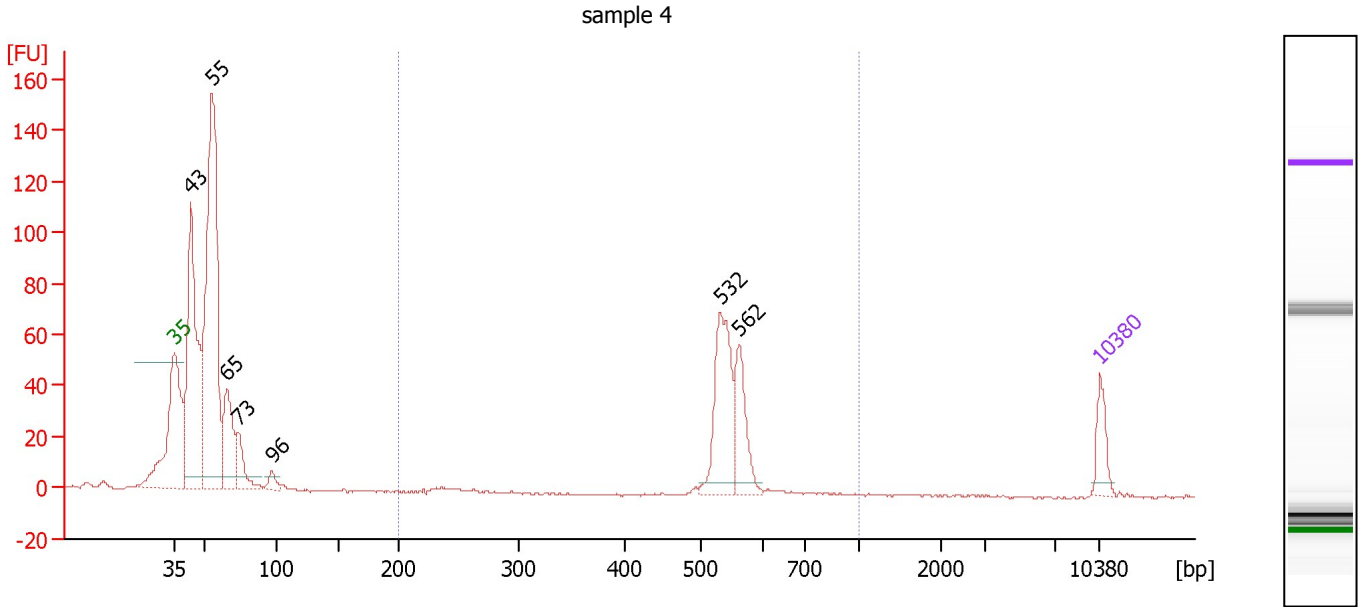
Region table for sample 3 : sample 3

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	1,230.5	62	550	5.5	3,201.02	8,834.7	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE72902953_2018-03-16_03-58-06.xad

Created: 3/16/2018 3:58:06 AM
 Modified: 3/16/2018 4:26:37 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : sample 4

Number of peaks found: 7 Corr. Area 1: 205.3
 Noise: 0.4

Peak table for sample 4 : sample 4

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.2	Lower Marker
2	43	1,084.39	38,154.3	
3	55	1,630.87	45,105.8	
4	65	350.20	8,149.7	
5	73	157.81	3,273.1	
6	96	48.32	762.0	
7	532	386.98	1,102.4	
8	562	204.24	550.4	
9	10,380	75.00	10.9	Upper Marker

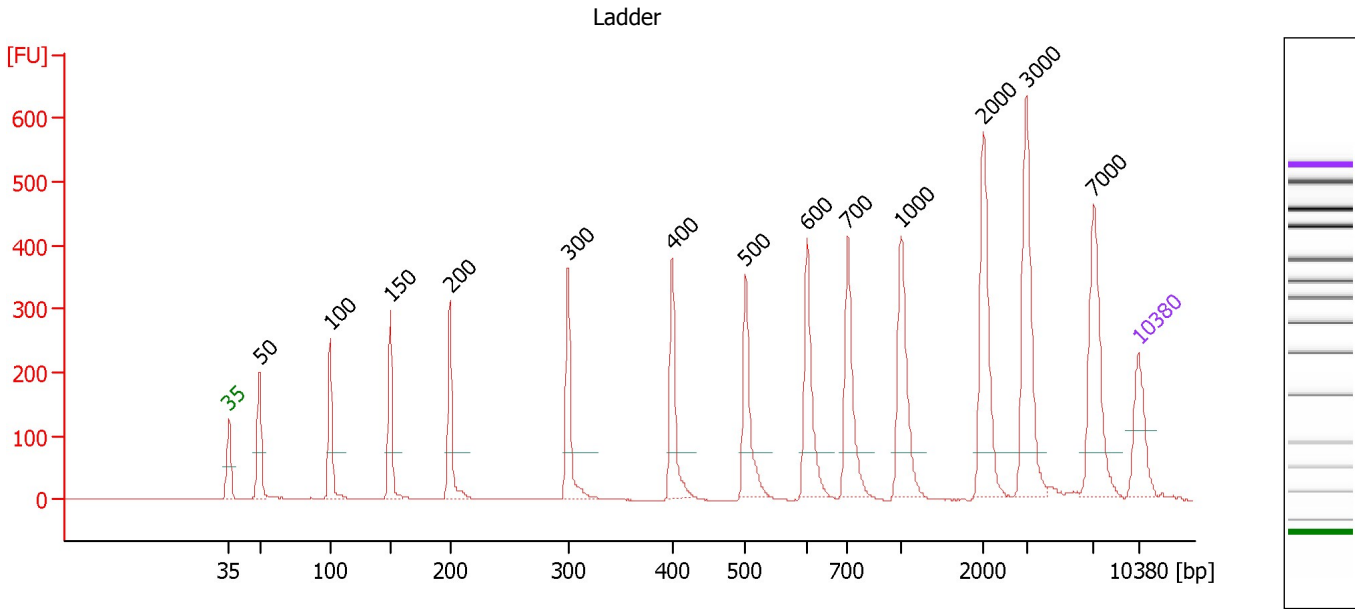
Region table for sample 4 : sample 4

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	205.3	21	542	8.7	604.85	1,739.5	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE72902953_2018-03-16_03-58-06.xad

Created: 3/16/2018 3:58:06 AM
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Electropherogram Summary Continued ...



Setpoint Deviations for sample 12 : Ladder

Height Threshold [FU] : 20 Baseline Plateau [s] : 0.3
 Area Threshold : 0

Overall Results for Ladder

Noise: 0.5

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	10,380	75.00	10.9	Upper Marker

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gh Sensitivity DNA Assay_DE72902953_2018-03-16_03-58-06.xad

Created: 3/16/2018 3:58:06 AM
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Gel Image

