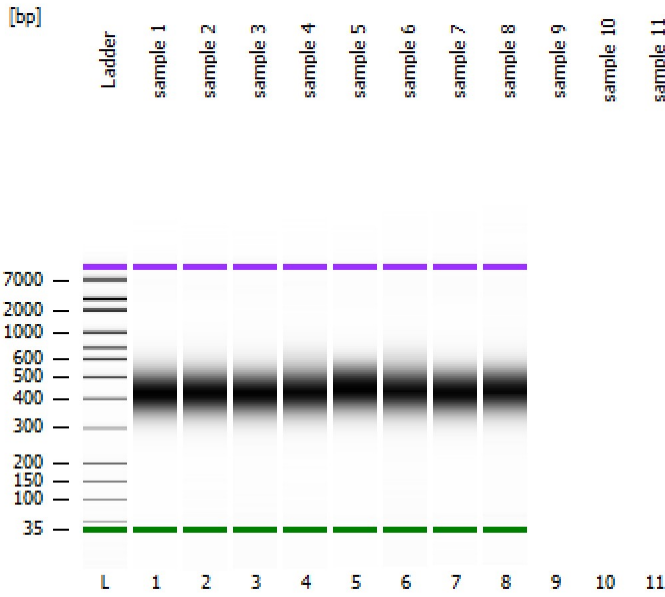


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...zer1 XADs\2019\2019-11-14\2019-11-14_002_E18t_timepoint.xad

Created: 11/14/2019 1:29:34 PM
Modified: 11/14/2019 2:12:34 PM

Electrophoresis File Run Summary



Instrument Information:

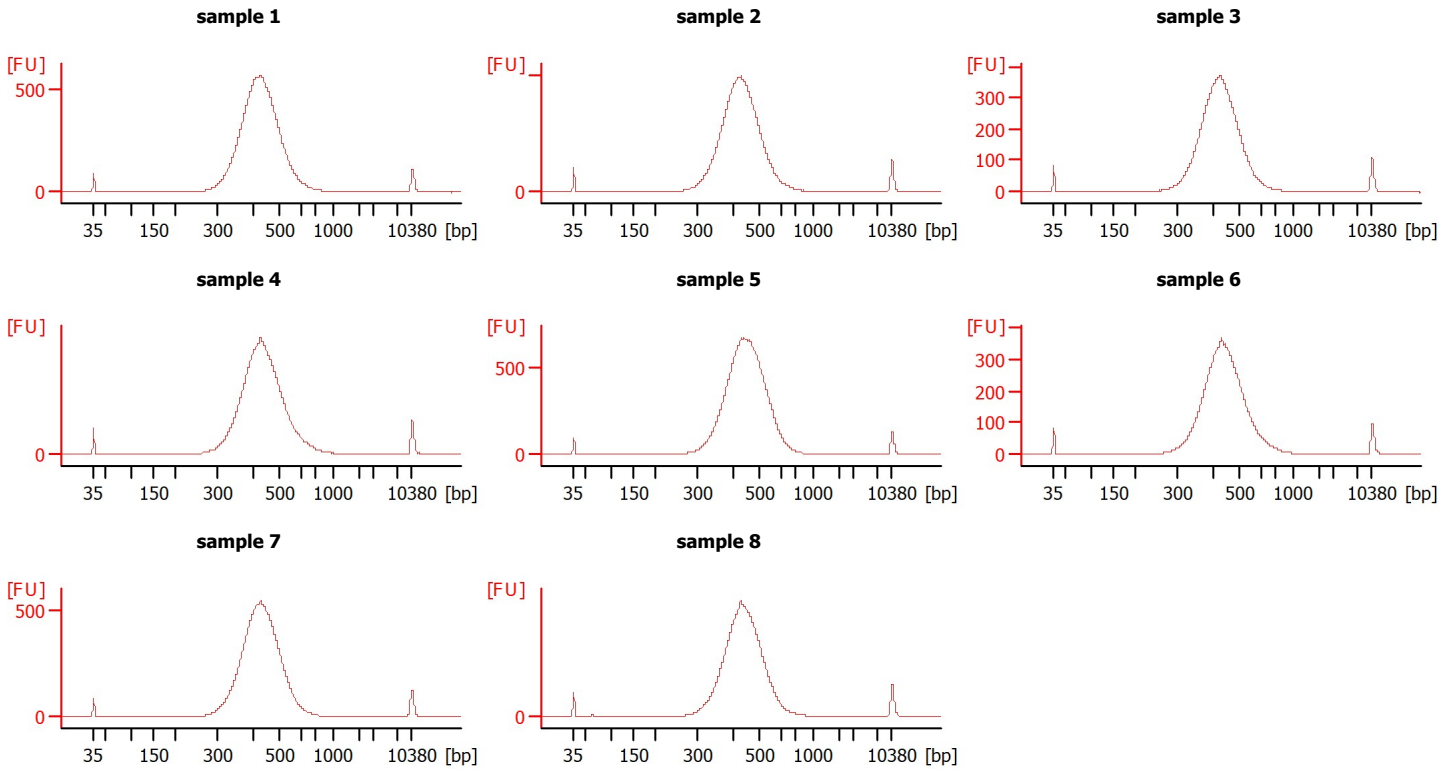
Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

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:\...zer1 XADs\2019\2019-11-14\2019-11-14_002_E18t_timepoint.xad

Created: 11/14/2019 1:29:34 PM
 Modified: 11/14/2019 2:12:34 PM

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:\...zer1 XADs\2019\2019-11-14\2019-11-14_002_E18t_timepoint.xad

Created: 11/14/2019 1:29:34 PM
Modified: 11/14/2019 2:12:34 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

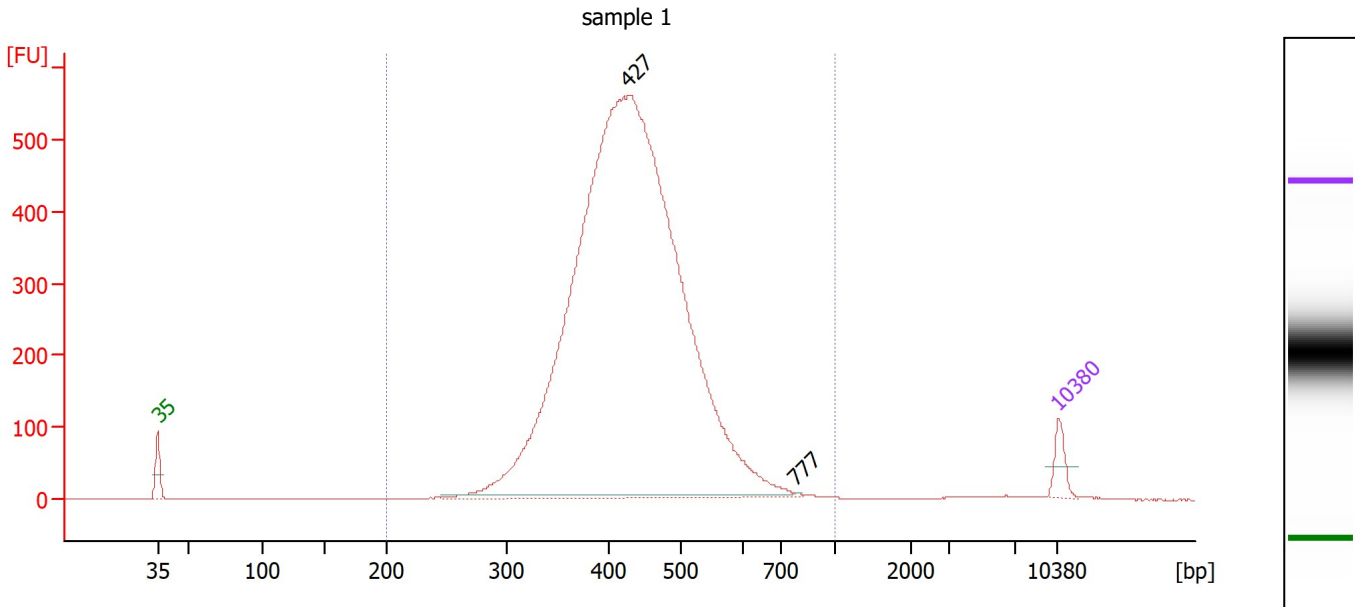
Ladder

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:\...zer1 XADs\2019\2019-11-14\2019-11-14_002_E18t_timepoint.xad

Created: 11/14/2019 1:29:34 PM
 Modified: 11/14/2019 2:12:34 PM

Electropherogram Summary



Overall Results for sample 1 : sample 1

Number of peaks found: 2 Corr. Area 1: 7,243.0
 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	427	7,976.57	28,305.1	
3	777	4.93	9.6	
4	10,380	75.00	10.9	Upper Marker

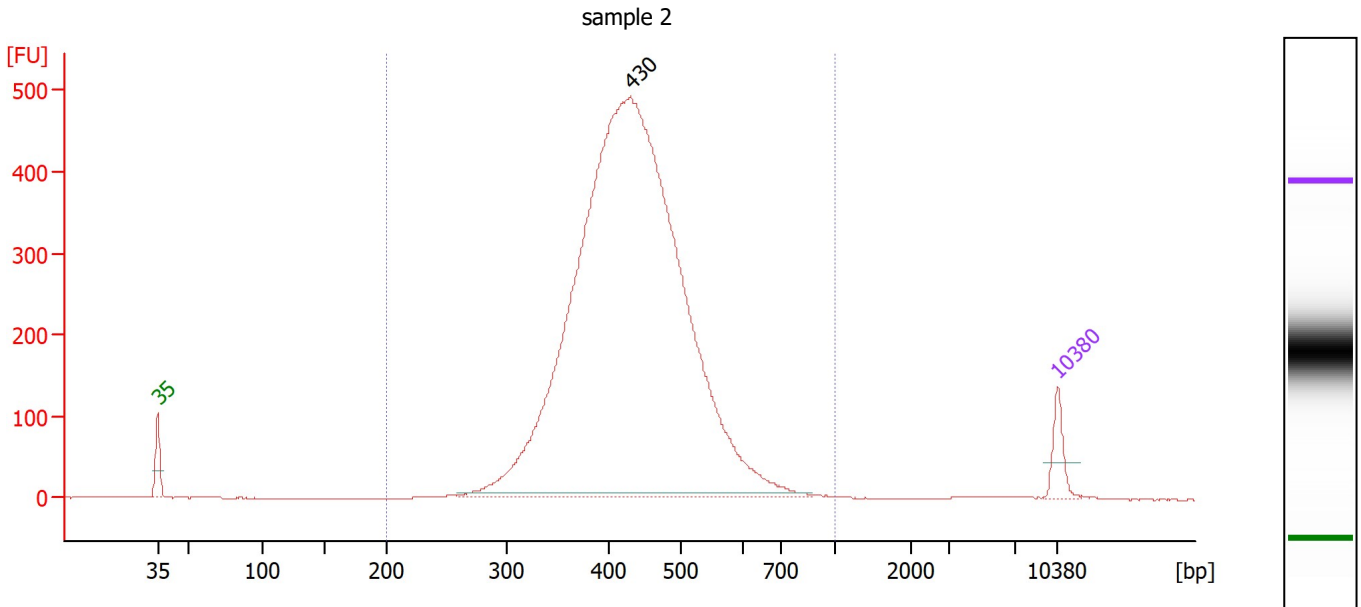
Region table for sample 1 : sample 1

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	7,243.0	99	435	17.1	8,238.82	29,689.7	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...zer1 XADs\2019\2019-11-14\2019-11-14_002_E18t_timepoint.xad

Created: 11/14/2019 1:29:34 PM
 Modified: 11/14/2019 2:12:34 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : sample 2

Number of peaks found: 1 Corr. Area 1: 6,304.4
 Noise: 0.3

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	430	5,847.40	20,602.7	
3	10,380	75.00	10.9	Upper Marker

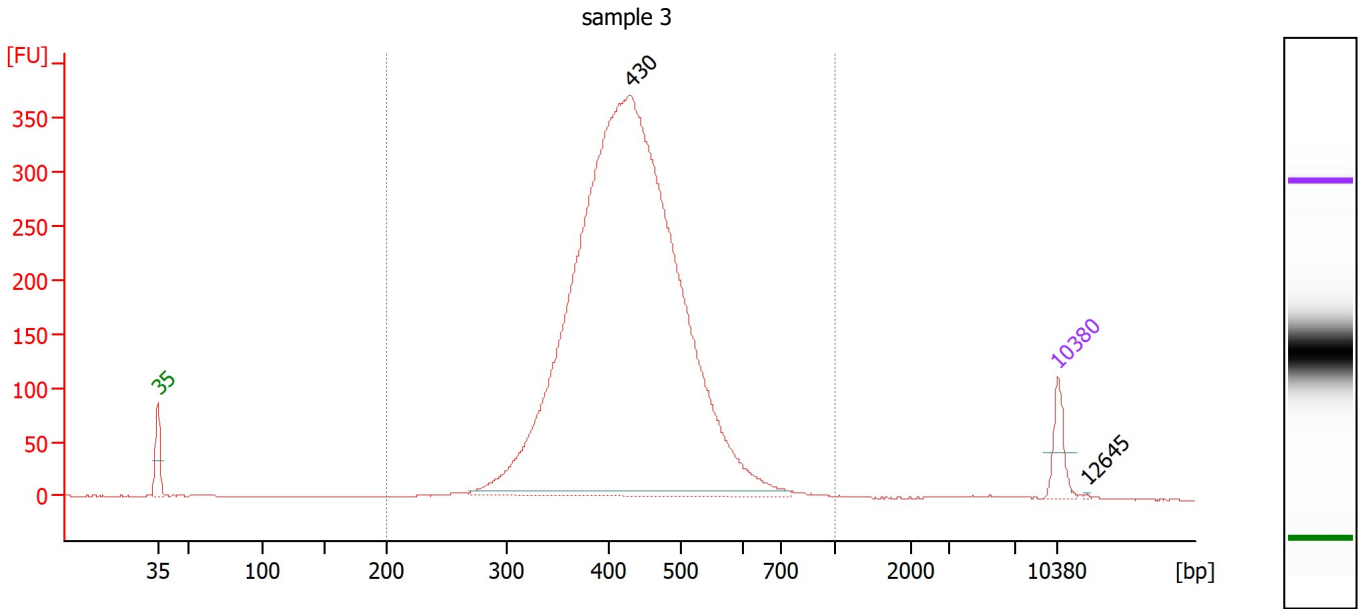
Region table for sample 2 : sample 2

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	6,304.4	99	437	17.3	6,021.56	21,625.9	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...zer1 XADs\2019\2019-11-14\2019-11-14_002_E18t_timepoint.xad

Created: 11/14/2019 1:29:34 PM
 Modified: 11/14/2019 2:12:34 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : sample 3

Number of peaks found: 2 Corr. Area 1: 4,674.2
 Noise: 0.3

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	430	5,151.88	18,132.8	
3	10,380	75.00	10.9	Upper Marker
4	12,645	0.00	0.0	

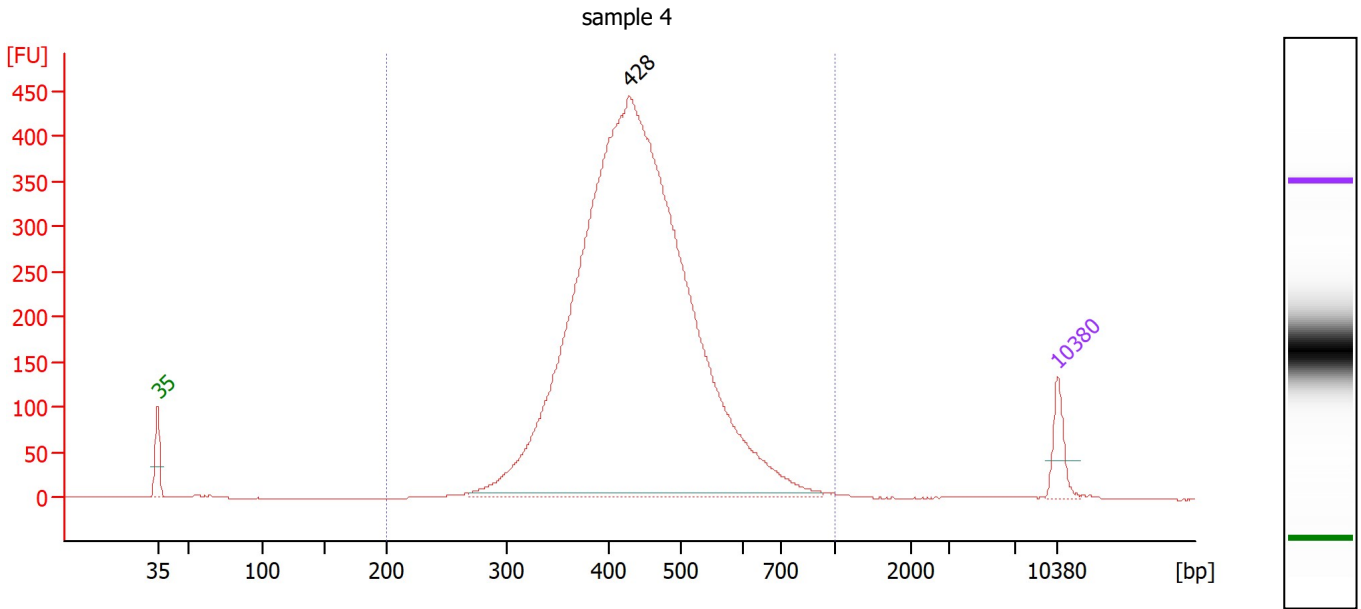
Region table for sample 3 : sample 3

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	4,674.2	99	433	16.8	5,340.40	19,319.4	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...zer1 XADs\2019\2019-11-14\2019-11-14_002_E18t_timepoint.xad

Created: 11/14/2019 1:29:34 PM
 Modified: 11/14/2019 2:12:34 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : sample 4

Number of peaks found: 1 Corr. Area 1: 5,736.4
 Noise: 0.3

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	428	5,189.00	18,348.1	
3	10,380	75.00	10.9	Upper Marker

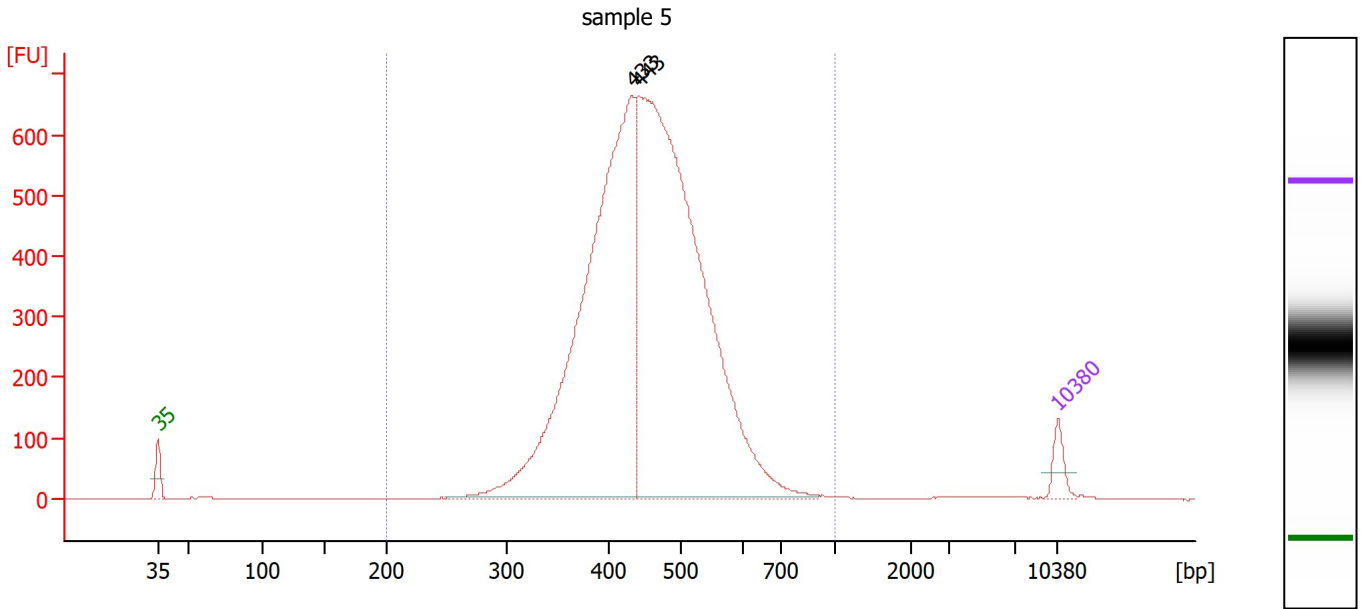
Region table for sample 4 : sample 4

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	5,736.4	99	445	18.9	5,301.52	18,798.9	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...zer1 XADs\2019\2019-11-14\2019-11-14_002_E18t_timepoint.xad

Created: 11/14/2019 1:29:34 PM
 Modified: 11/14/2019 2:12:34 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : sample 5

Number of peaks found: 2 Corr. Area 1: 8,750.2
 Noise: 0.3

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	433	3,619.63	12,661.4	
3	443	4,568.40	15,629.7	
4	10,380	75.00	10.9	Upper Marker

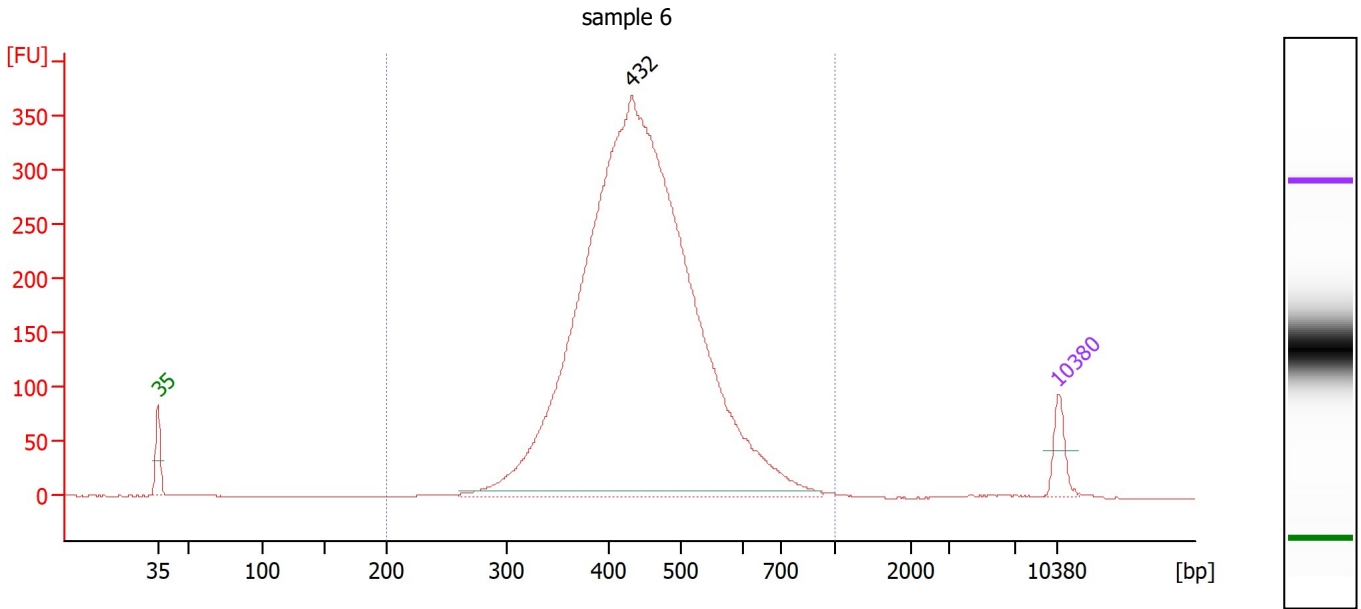
Region table for sample 5 : sample 5

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	8,750.2	99	456	16.8	8,201.27	28,258.6	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...zer1 XADs\2019\2019-11-14\2019-11-14_002_E18t_timepoint.xad

Created: 11/14/2019 1:29:34 PM
 Modified: 11/14/2019 2:12:34 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : sample 6

Number of peaks found: 1 Corr. Area 1: 4,596.8
 Noise: 0.2

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	432	5,800.73	20,338.9	
3	10,380	75.00	10.9	Upper Marker

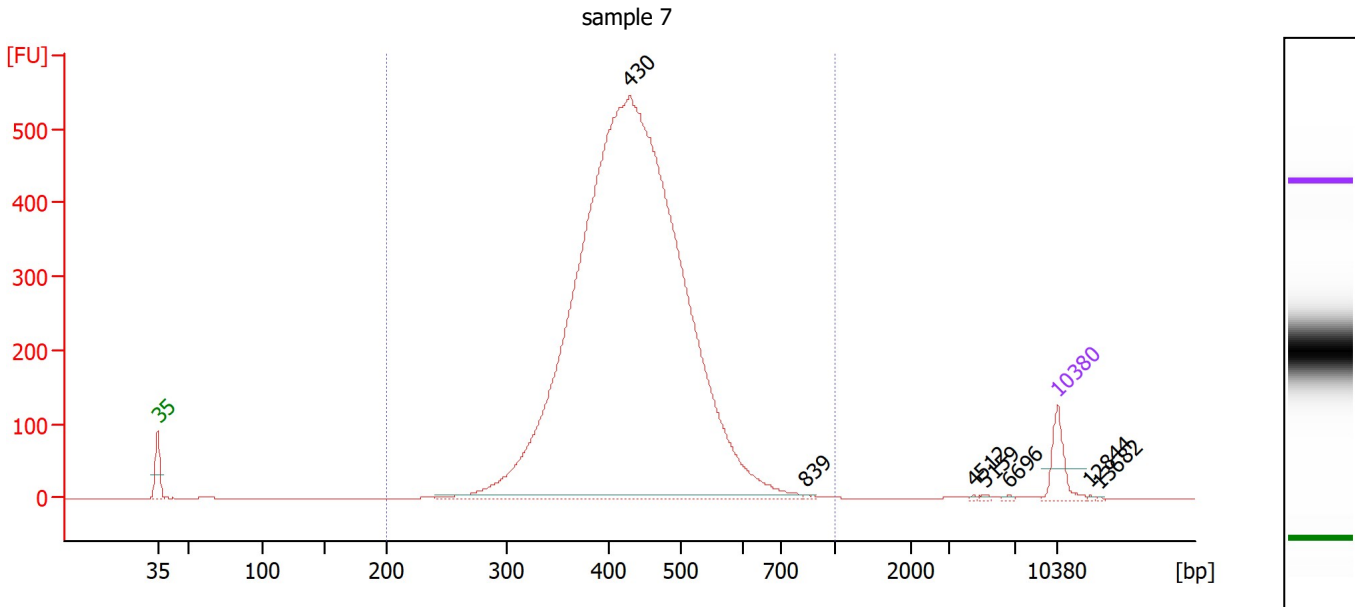
Region table for sample 6 : sample 6

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	4,596.8	98	451	18.7	5,854.53	20,502.7	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...zer1 XADs\2019\2019-11-14\2019-11-14_002_E18t_timepoint.xad

Created: 11/14/2019 1:29:34 PM
 Modified: 11/14/2019 2:12:34 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : sample 7

Number of peaks found: 7 Corr. Area 1: 6,711.7
 Noise: 0.2

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	430	5,854.20	20,651.5	
3	839	4.45	8.0	
4	4,512	2.40	0.8	
5	5,159	3.75	1.1	
6	6,696	3.24	0.7	
7	10,380	75.00	10.9	Upper Marker
8	12,844	0.00	0.0	
9	13,682	0.00	0.0	

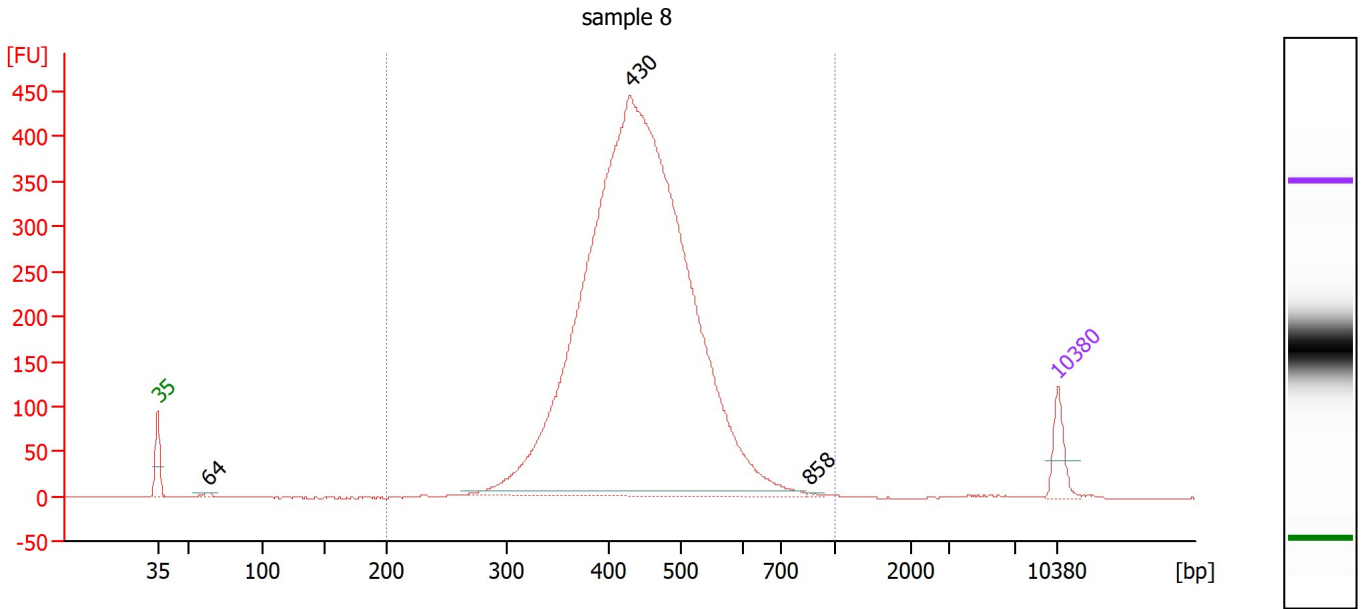
Region table for sample 7 : sample 7

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	6,711.7	99	437	16.6	5,938.58	21,270.9	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...zer1 XADs\2019\2019-11-14\2019-11-14_002_E18t_timepoint.xad

Created: 11/14/2019 1:29:34 PM
 Modified: 11/14/2019 2:12:34 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : sample 8

Number of peaks found: 3 Corr. Area 1: 5,325.6
 Noise: 0.3

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	64	12.71	300.0	
3	430	5,249.70	18,497.7	
4	858	4.96	8.8	
5	10,380	75.00	10.9	Upper Marker

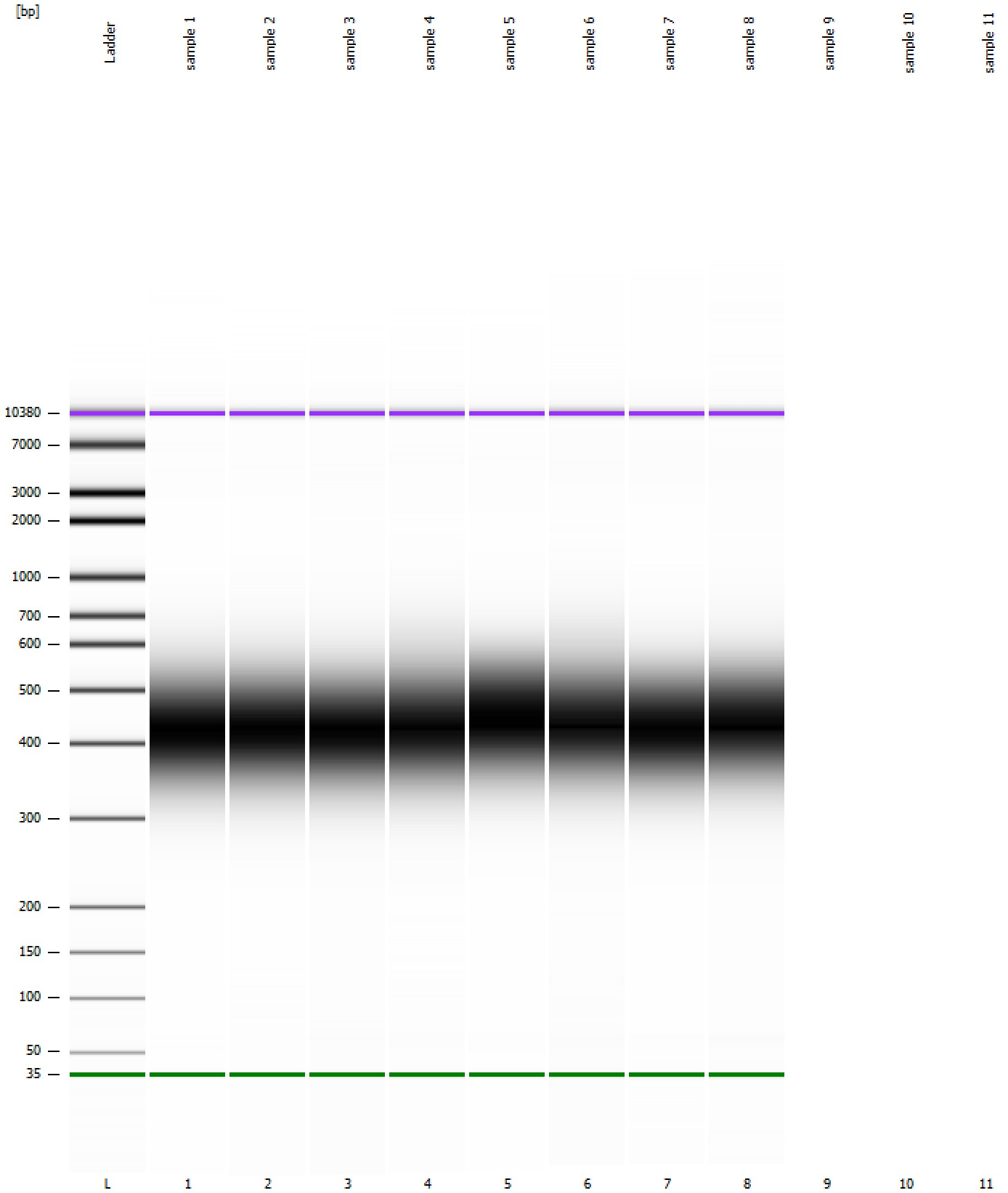
Region table for sample 8 : sample 8

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	5,325.6	98	447	17.1	5,371.86	18,878.0	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...zer1 XADs\2019\2019-11-14\2019-11-14_002_E18t_timepoint.xad

Created: 11/14/2019 1:29:34 PM
Modified: 11/14/2019 2:12:34 PM

Gel Image

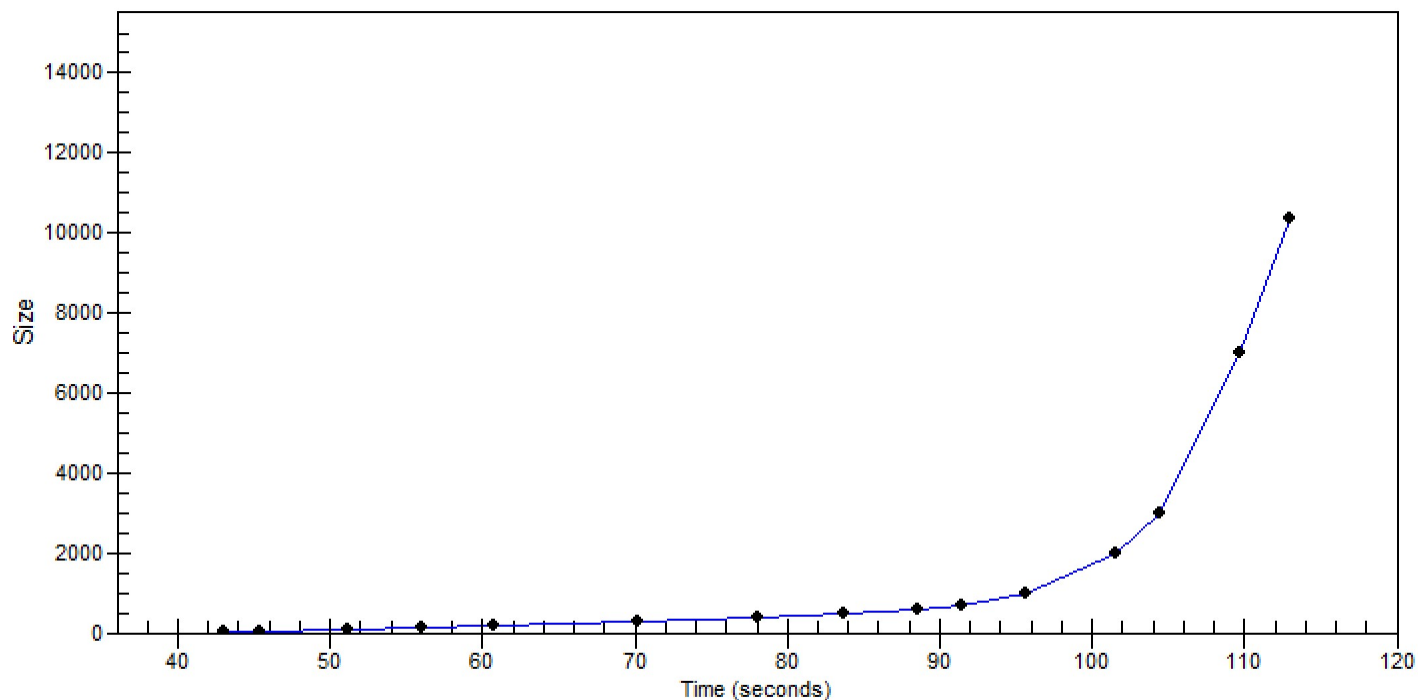


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...zer1 XADs\2019\2019-11-14\2019-11-14_002_E18t_timepoint.xad

Created: 11/14/2019 1:29:34 PM
Modified: 11/14/2019 2:12:34 PM

Curves

Standard Curve



Assay Class: High Sensitivity DNA Assay
Data Path: C:\...zer1 XADs\2019\2019-11-14\2019-11-14_002_E18t_timepoint.xad

Created: 11/14/2019 1:29:34 PM
Modified: 11/14/2019 2:12:34 PM

Invalid Samples

Sample 9 has not been run, no results available.

Sample 10 has not been run, no results available.

Sample 11 has not been run, no results available.

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...zer1 XADs\2019\2019-11-14\2019-11-14_002_E18t_timepoint.xad

Created: 11/14/2019 1:29:34 PM
 Modified: 11/14/2019 2:12:34 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 9)		Instrument	Run		11/14/2019 2:01:37 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\data\2019-11-14\2019-11-14_002_xad\ Product Number : G2938C		Instrument	Run		11/14/2019 1:29:40 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		11/14/2019 1:29:40 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		11/14/2019 1:29:40 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE34903152		Instrument	Run		11/14/2019 1:29:40 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		11/14/2019 1:29:40 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		11/14/2019 1:29:40 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1