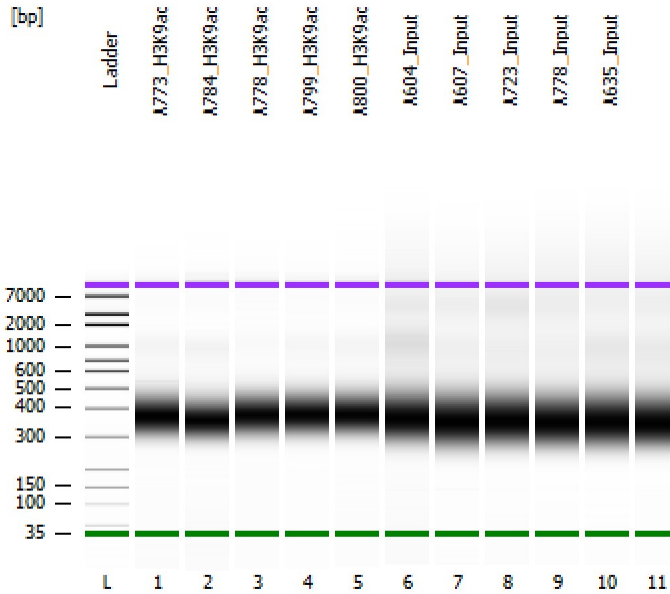


Assay Class: High Sensitivity DNA Assay
Data Path: Z:\...\Bioanalyzer1_High Sensitivity DNA Assay_2019-11-18_001.xad

Created: 11/18/2019 3:22:17 PM
Modified: 11/18/2019 4:03:42 PM

Electrophoresis File Run Summary



Instrument Information:

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

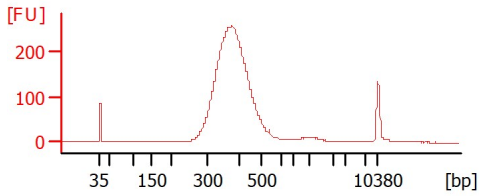
Assay Information:

Assay Origin Path: C:\Program Files (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

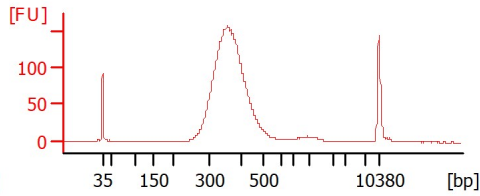
Chip Information:

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

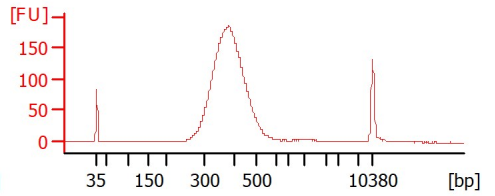
A773_H3K9ac



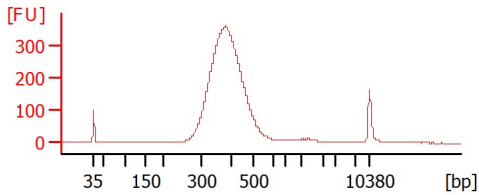
A784_H3K9ac



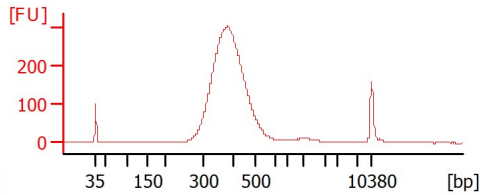
A778_H3K9ac



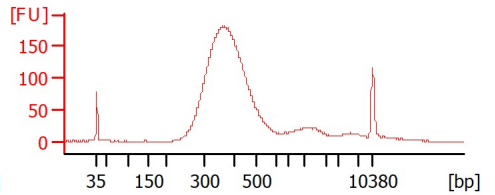
A799_H3K9ac



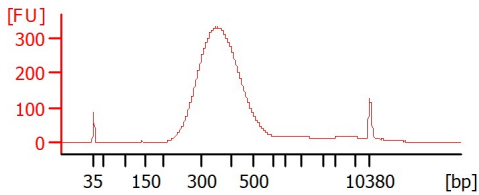
A800_H3K9ac



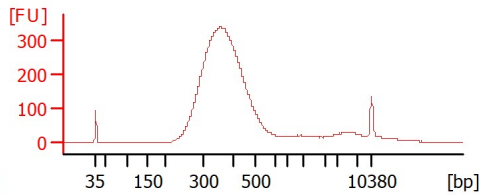
A604_Input



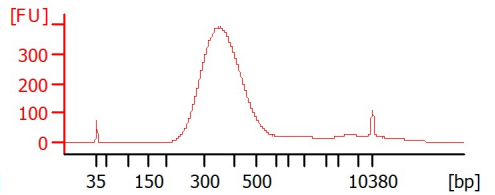
A607_Input



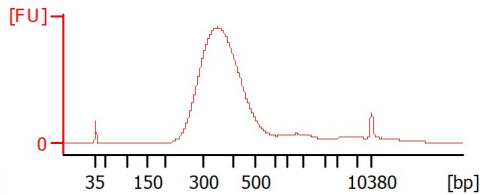
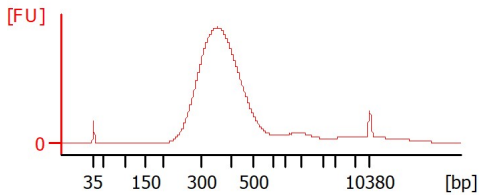
A723_Input



A778_Input



A635_Input



Assay Class: High Sensitivity DNA Assay
 Data Path: Z:\...\Bioanalyzer1_High Sensitivity DNA Assay_2019-11-18_001.xad

Created: 11/18/2019 3:22:17 PM
 Modified: 11/18/2019 4:03:42 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
A773_H3K9ac		<input type="checkbox"/>	✓			
A784_H3K9ac		<input type="checkbox"/>	✓			
A778_H3K9ac		<input type="checkbox"/>	✓			
A799_H3K9ac		<input type="checkbox"/>	✓			
A800_H3K9ac		<input type="checkbox"/>	✓			
A604_Input		<input type="checkbox"/>	✓			
A607_Input		<input type="checkbox"/>	✓			
A723_Input		<input type="checkbox"/>	✓			
A778_Input		<input type="checkbox"/>	✓			
A635_Input		<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
 Data Path: Z:\...\Bioanalyzer1_High Sensitivity DNA Assay_2019-11-18_001.xad

Created: 11/18/2019 3:22:17 PM
 Modified: 11/18/2019 4:03:42 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

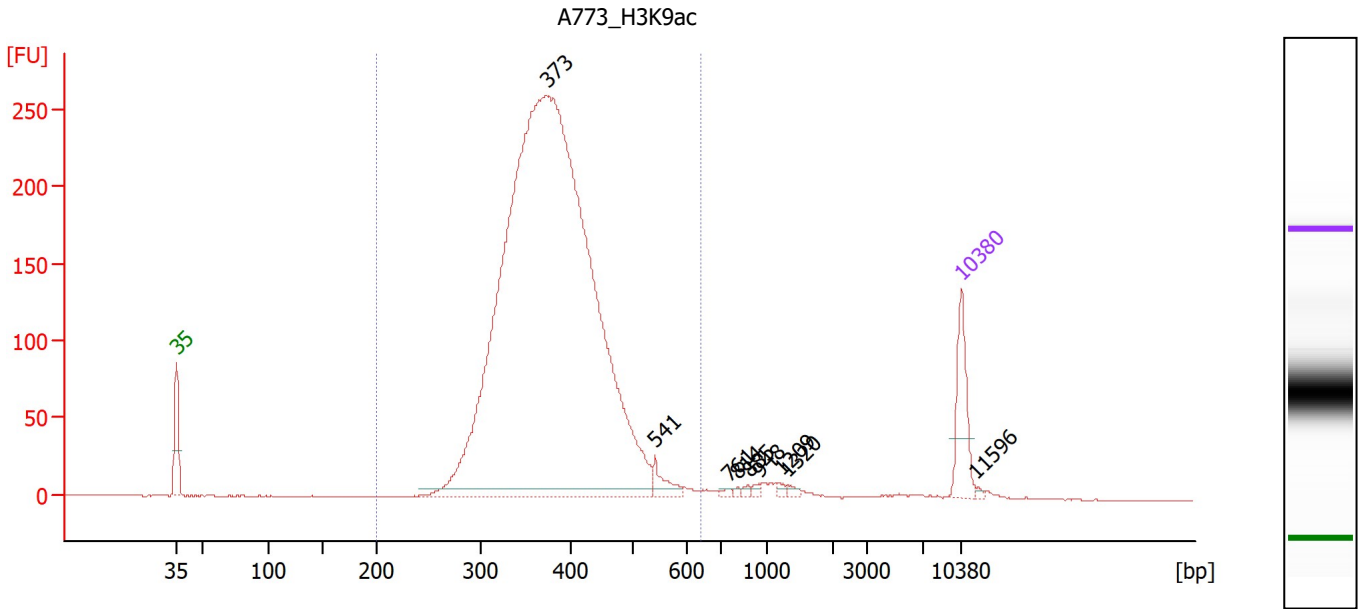
Ladder

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: Z:\...\Bioanalyzer1_High Sensitivity DNA Assay_2019-11-18_001.xad

Created: 11/18/2019 3:22:17 PM
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Electropherogram Summary



Overall Results for sample 1 : A773 H3K9ac

Number of peaks found: 9 Corr. Area 1: 3,372.4
 Noise: 0.2

Peak table for sample 1 : A773 H3K9ac

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	373	3,019.52	12,251.9	
3	541	32.40	90.7	
4	761	5.45	10.8	
5	814	3.56	6.6	
6	885	5.12	8.8	
7	948	5.38	8.6	
8	1,209	6.02	7.5	
9	1,320	6.49	7.5	
10	10,380	75.00	10.9	Upper Marker
11	11,596	0.00	0.0	

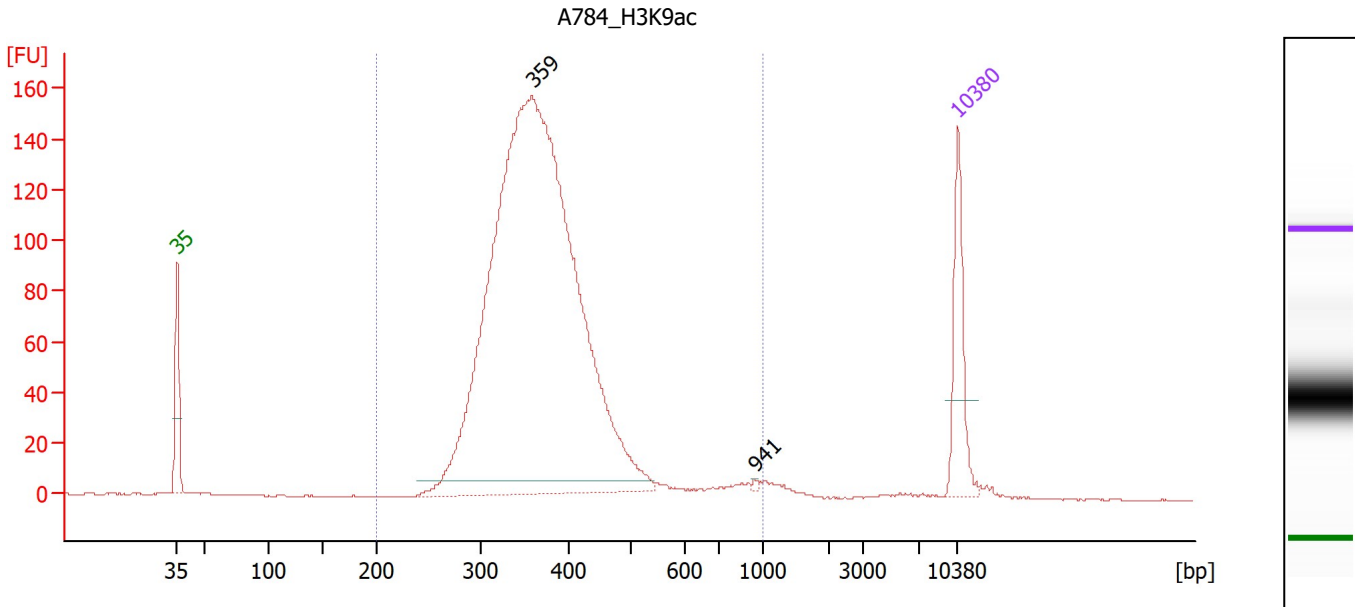
Region table for sample 1 : A773 H3K9ac

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	642	3,372.4	97	383	14.8	3,096.24	12,554.8	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: Z:\...\Bioanalyzer1_High Sensitivity DNA Assay_2019-11-18_001.xad

Created: 11/18/2019 3:22:17 PM
 Modified: 11/18/2019 4:03:42 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : A784 H3K9ac

Number of peaks found: 2 Corr. Area 1: 2,009.8
 Noise: 0.2

Peak table for sample 2 : A784 H3K9ac

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	359	1,657.13	6,996.8	
3	941	1.86	3.0	
4	10,380	75.00	10.9	Upper Marker

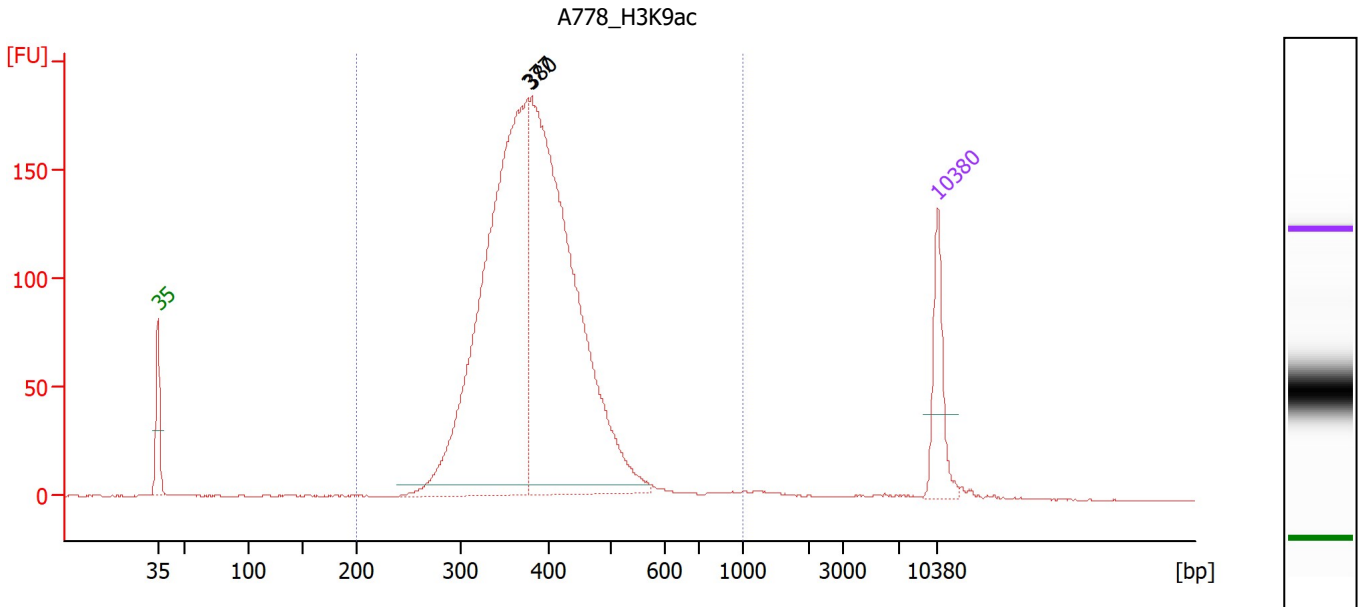
Region table for sample 2 : A784 H3K9ac

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	2,009.8	97	378	22.1	1,729.70	7,225.3	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: Z:\...\Bioanalyzer1_High Sensitivity DNA Assay_2019-11-18_001.xad

Created: 11/18/2019 3:22:17 PM
 Modified: 11/18/2019 4:03:42 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : A778 H3K9ac

Number of peaks found: 2 Corr. Area 1: 2,357.2
 Noise: 0.2

Peak table for sample 3 : A778 H3K9ac

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	377	1,008.31	4,054.5	
3	380	1,014.14	4,038.6	
4	10,380	75.00	10.9	Upper Marker

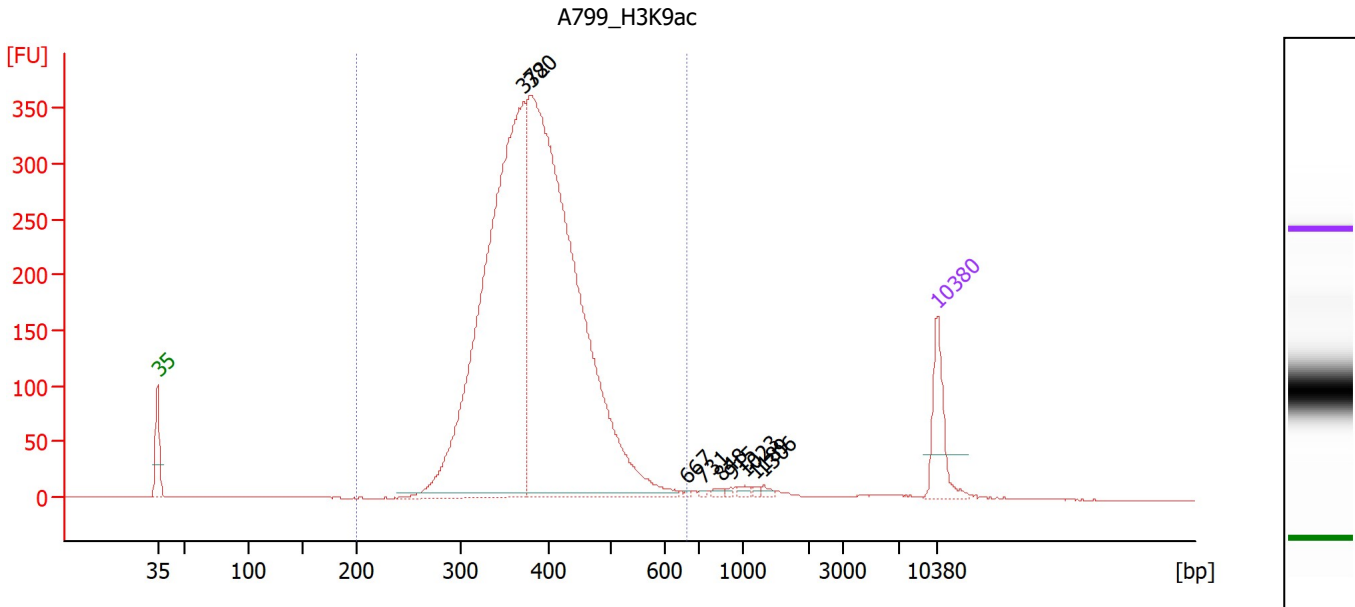
Region table for sample 3 : A778 H3K9ac

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	2,357.2	98	389	17.7	2,107.23	8,463.9	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: Z:\...\Bioanalyzer1_High Sensitivity DNA Assay_2019-11-18_001.xad

Created: 11/18/2019 3:22:17 PM
 Modified: 11/18/2019 4:03:42 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : A799 H3K9ac

Number of peaks found: 9 Corr. Area 1: 4,601.9
 Noise: 0.2

Peak table for sample 4 : A799 H3K9ac

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	372	1,347.58	5,493.5	
3	380	1,667.12	6,640.1	
4	667	2.42	5.5	
5	731	2.56	5.3	
6	848	4.95	8.8	
7	915	3.25	5.4	
8	1,023	6.92	10.2	
9	1,189	3.21	4.1	
10	1,306	5.79	6.7	
11	10,380	75.00	10.9	Upper Marker

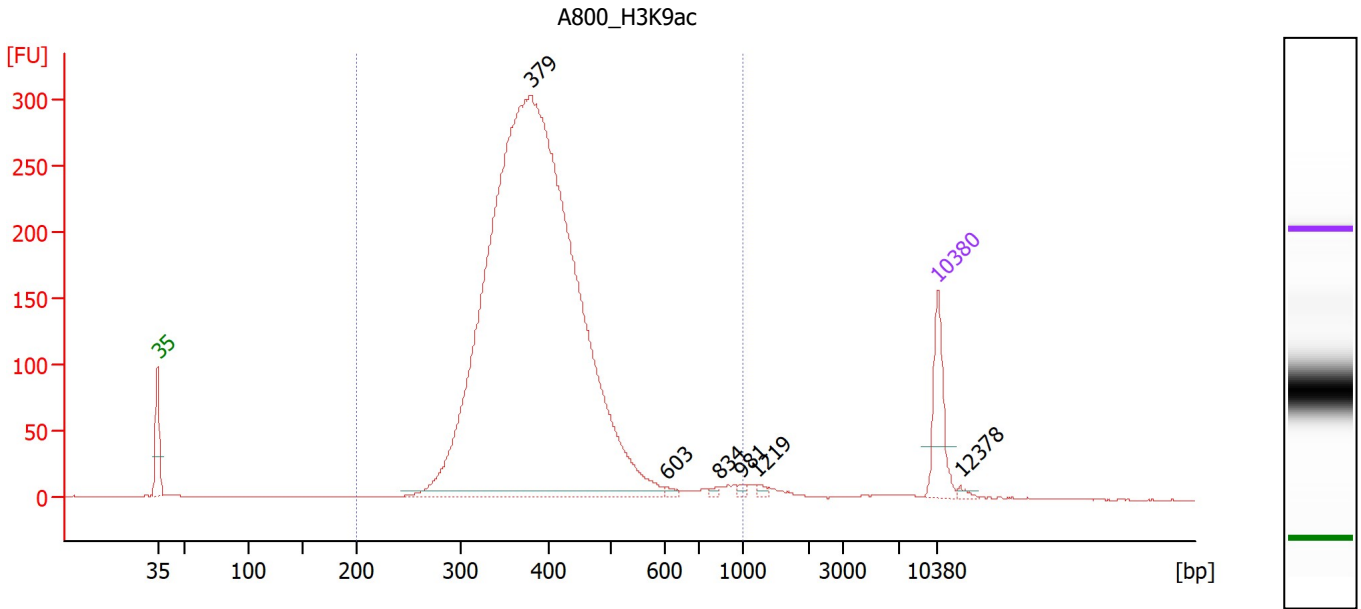
Region table for sample 4 : A799 H3K9ac

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	665	4,601.9	97	389	15.1	3,048.69	12,180.6	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: Z:\...\Bioanalyzer1_High Sensitivity DNA Assay_2019-11-18_001.xad

Created: 11/18/2019 3:22:17 PM
 Modified: 11/18/2019 4:03:42 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : A800 H3K9ac

Number of peaks found: 6 Corr. Area 1: 3,882.0
 Noise: 0.2

Peak table for sample 5 : A800 H3K9ac

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	379	2,781.86	11,129.9	
3	603	5.66	14.2	
4	834	4.42	8.0	
5	981	5.03	7.8	
6	1,219	5.88	7.3	
7	10,380	75.00	10.9	Upper Marker
8	12,378	0.00	0.0	

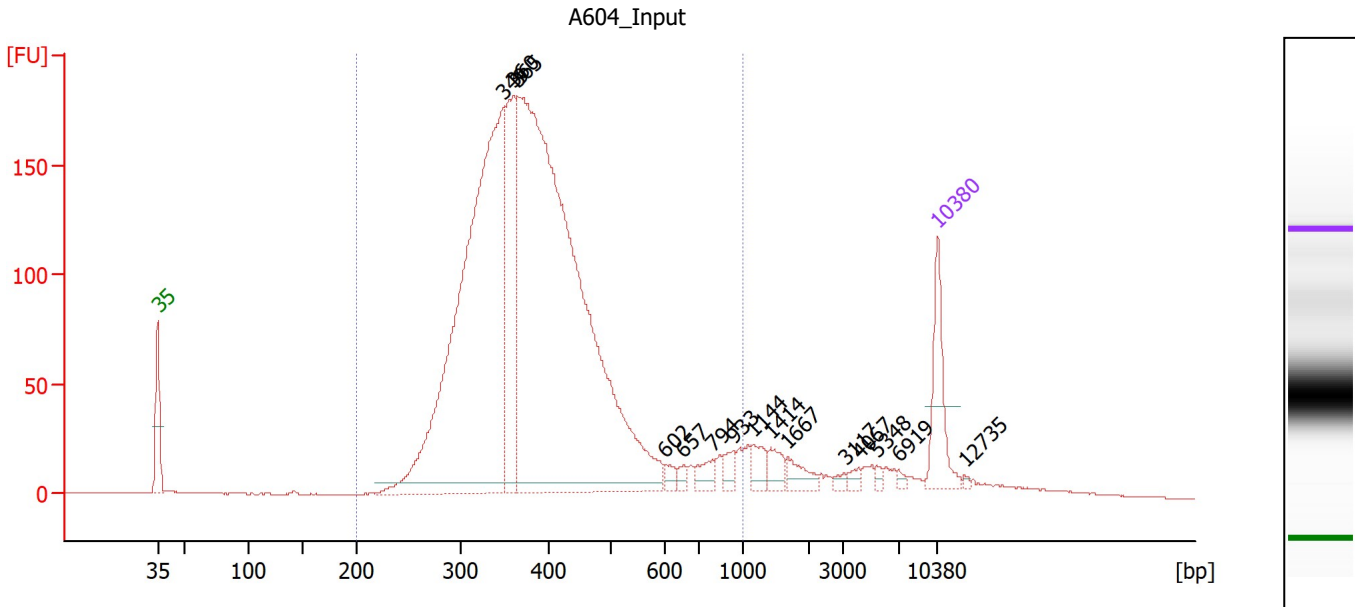
Region table for sample 5 : A800 H3K9ac

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	3,882.0	97	396	20.0	2,860.06	11,340.7	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: Z:\...\Bioanalyzer1_High Sensitivity DNA Assay_2019-11-18_001.xad

Created: 11/18/2019 3:22:17 PM
 Modified: 11/18/2019 4:03:42 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : A604 Input

Number of peaks found: 15 Corr. Area 1: 3,026.5
 Noise: 0.2

Peak table for sample 6 : A604 Input

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	349	1,121.05	4,865.5	
3	360	249.96	1,051.4	
4	365	1,620.05	6,728.7	
5	602	14.29	35.9	
6	657	10.40	24.0	
7	794	23.79	45.4	
8	933	17.37	28.2	
9	1,144	24.77	32.8	
10	1,414	22.28	23.9	
11	1,667	23.50	21.4	
12	3,117	6.01	2.9	
13	4,067	7.97	3.0	
14	5,348	5.40	1.5	
15	6,919	4.59	1.0	
16	10,380	75.00	10.9	Upper Marker
17	12,735	0.00	0.0	

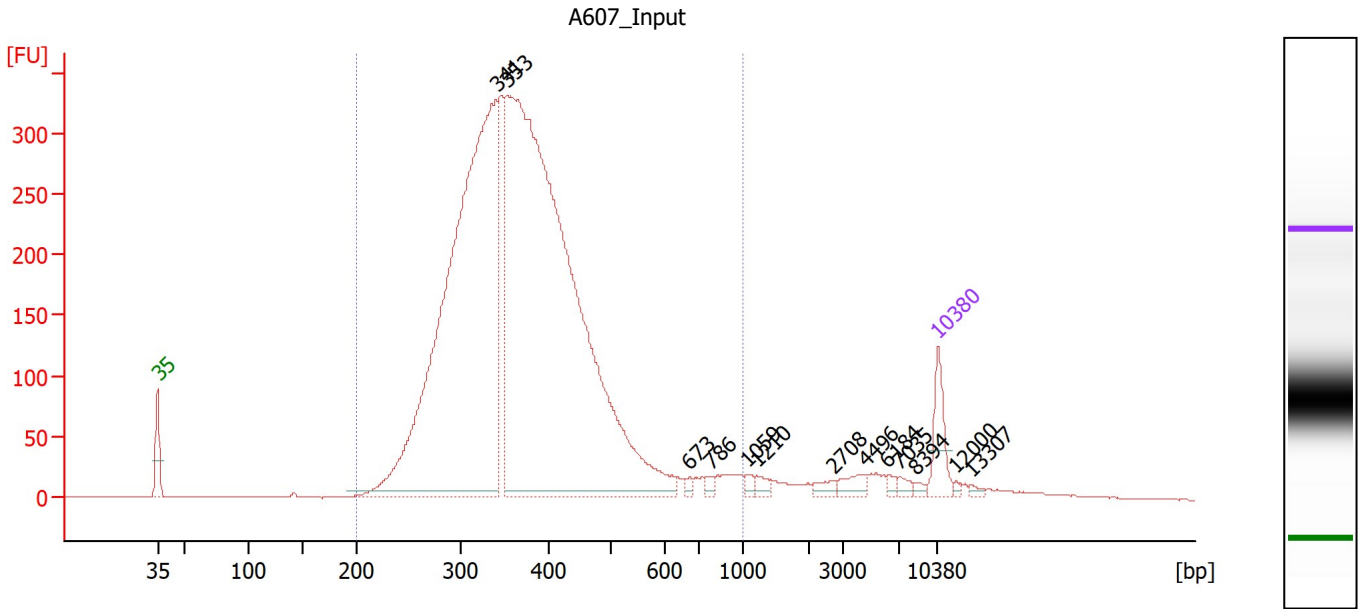
Region table for sample 6 : A604 Input

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	3,026.5	91	401	28.4	3,136.30	12,771.4	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: Z:\...\Bioanalyzer1_High Sensitivity DNA Assay_2019-11-18_001.xad

Created: 11/18/2019 3:22:17 PM
 Modified: 11/18/2019 4:03:42 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : A607 Input

Number of peaks found: 13 Corr. Area 1: 5,803.8
 Noise: 0.3

Peak table for sample 7 : A607 Input

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	341	2,312.50	10,284.1	
3	353	3,138.15	13,454.7	
4	673	10.42	23.5	
5	786	12.41	23.9	
6	1,059	13.03	18.6	
7	1,210	19.04	23.8	
8	2,708	17.36	9.7	
9	4,496	28.41	9.6	
10	6,184	10.50	2.6	
11	7,035	12.67	2.7	
12	8,394	7.64	1.4	
13	10,380	75.00	10.9	Upper Marker
14	12,000	0.00	0.0	
15	13,307	0.00	0.0	

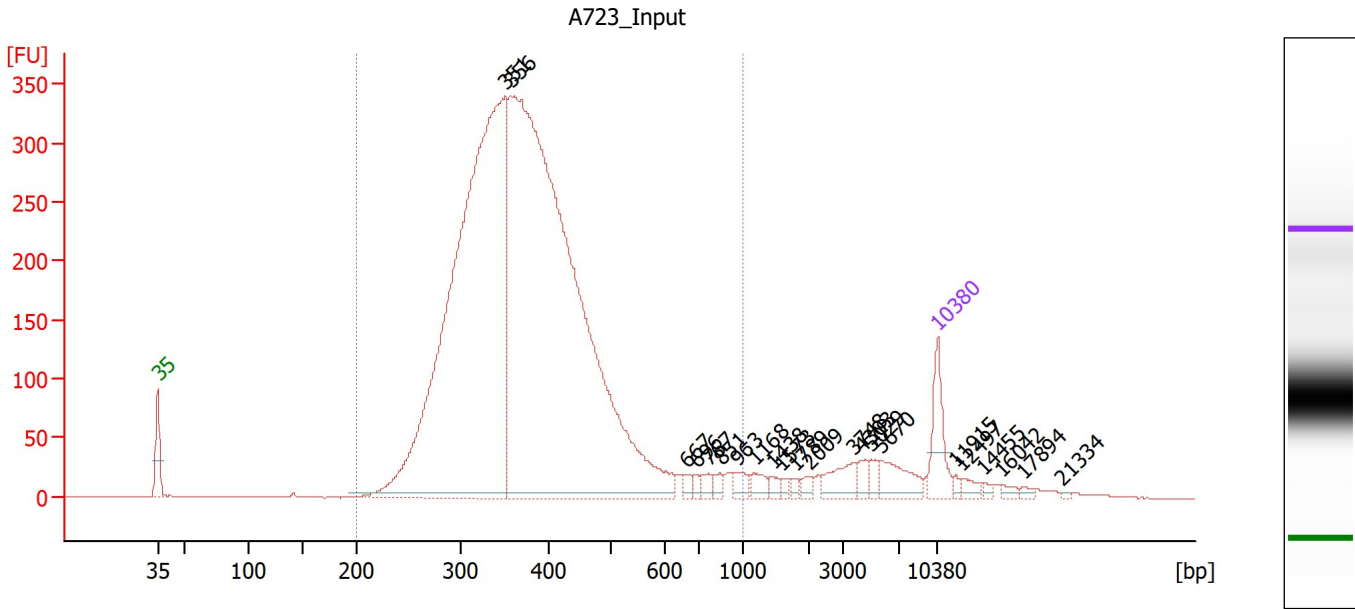
Region table for sample 7 : A607 Input

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	5,803.8	94	379	26.0	5,773.41	24,710.1	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: Z:\...\Bioanalyzer1_High Sensitivity DNA Assay_2019-11-18_001.xad

Created: 11/18/2019 3:22:17 PM
 Modified: 11/18/2019 4:03:42 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : A723 Input

Number of peaks found: 22 Corr. Area 1: 5,809.5
 Noise: 0.2

Peak table for sample 8 : A723 Input

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	351	2,204.21	9,520.2	
3	356	2,804.22	11,927.7	
4	667	13.39	30.4	
5	696	11.73	25.5	
6	767	16.97	33.5	
7	851	15.56	27.7	
8	963	21.18	33.3	
9	1,168	22.74	29.5	
10	1,438	11.18	11.8	
11	1,573	8.03	7.7	
12	1,789	8.31	7.0	
13	2,009	12.58	9.5	
14	3,748	46.06	18.6	
15	4,303	18.13	6.4	
16	5,029	18.26	5.5	
17	5,670	56.59	15.1	
18	10,380	75.00	10.9	Upper Marker
19	11,915	0.00	0.0	
20	12,497	0.00	0.0	
21	14,455	0.00	0.0	
22	16,042	0.00	0.0	
23	17,894	0.00	0.0	
24	21,334	0.00	0.0	

Assay Class: High Sensitivity DNA Assay
 Data Path: Z:\...\Bioanalyzer1_High Sensitivity DNA Assay_2019-11-18_001.xad

Created: 11/18/2019 3:22:17 PM
 Modified: 11/18/2019 4:03:42 PM

Electropherogram Summary Continued ...

... Region table for sample 8 :

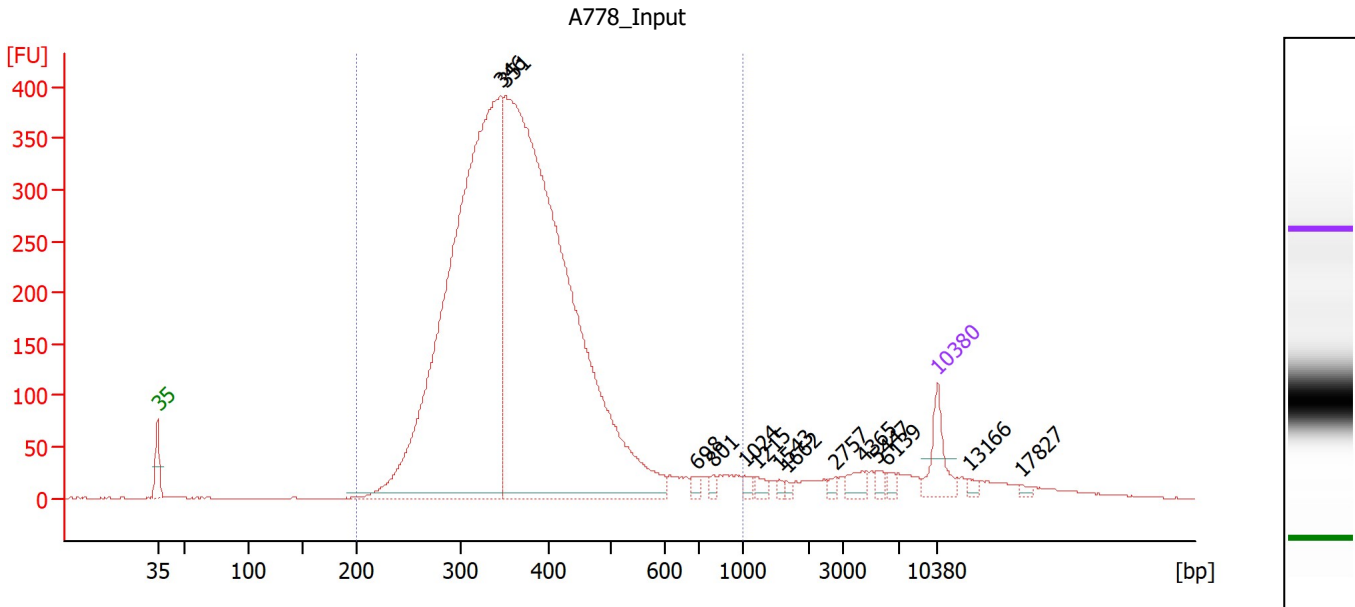
A723 Input

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	5,809.5	92	385	26.1	5,070.30	21,348.8	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: Z:\...\Bioanalyzer1_High Sensitivity DNA Assay_2019-11-18_001.xad

Created: 11/18/2019 3:22:17 PM
 Modified: 11/18/2019 4:03:42 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : A778 Input

Number of peaks found: 14 Corr. Area 1: 6,549.3
 Noise: 0.3

Peak table for sample 9 : A778 Input

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	346	2,548.26	11,155.8	
3	351	3,195.39	13,797.7	
4	698	16.35	35.5	
5	801	14.41	27.3	
6	1,024	15.63	23.1	
7	1,215	17.34	21.6	
8	1,543	7.80	7.7	
9	1,662	7.20	6.6	
10	2,757	10.51	5.8	
11	4,365	28.52	9.9	
12	5,447	13.92	3.9	
13	6,139	13.32	3.3	
14	10,380	75.00	10.9	Upper Marker
15	13,166	0.00	0.0	
16	17,827	0.00	0.0	

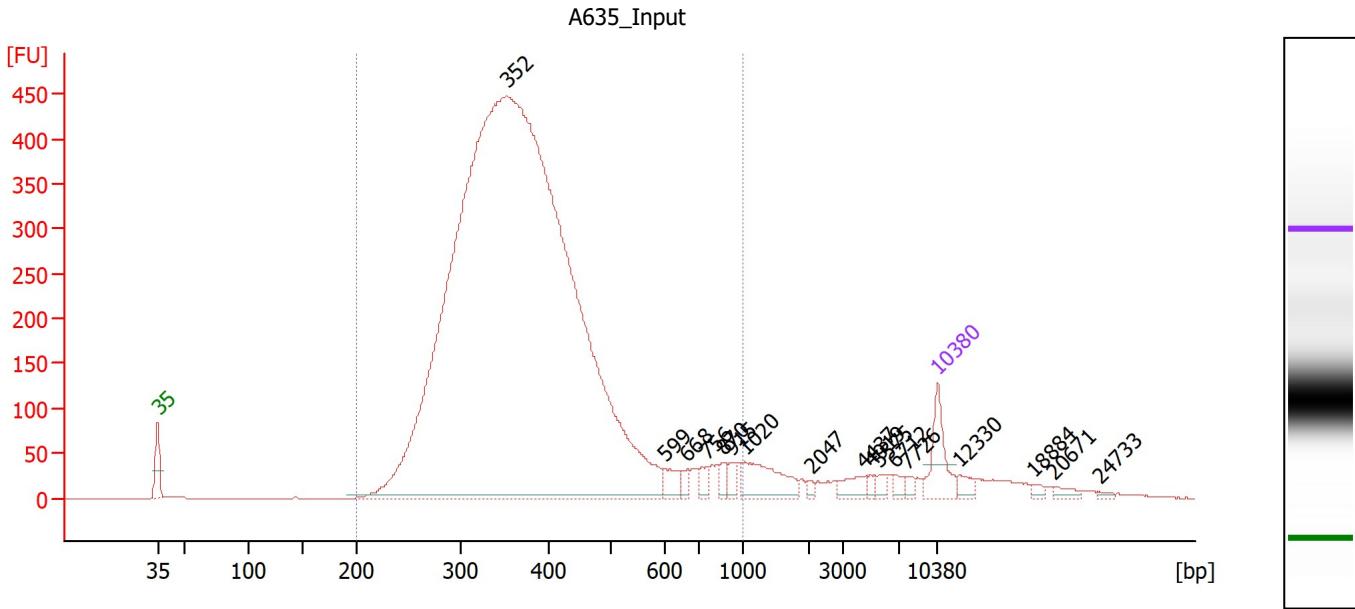
Region table for sample 9 : A778 Input

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	6,549.3	93	377	26.2	5,849.20	25,089.4	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: Z:\...\Bioanalyzer1_High Sensitivity DNA Assay_2019-11-18_001.xad

Created: 11/18/2019 3:22:17 PM
 Modified: 11/18/2019 4:03:42 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : A635 Input

Number of peaks found: 17 Corr. Area 1: 7,737.6
 Noise: 0.2

Peak table for sample 10 : A635 Input

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	352	5,697.59	24,494.2	
3	599	35.11	88.8	
4	668	20.87	47.3	
5	756	22.12	44.3	
6	870	20.58	35.8	
7	915	21.63	35.8	
8	1,020	103.08	153.2	
9	2,047	7.42	5.5	
10	4,437	31.13	10.6	
11	4,919	9.45	2.9	
12	5,575	12.40	3.4	
13	6,712	13.38	3.0	
14	7,726	9.86	1.9	
15	10,380	75.00	10.9	Upper Marker
16	12,330	0.00	0.0	
17	18,884	0.00	0.0	
18	20,671	0.00	0.0	
19	24,733	0.00	0.0	

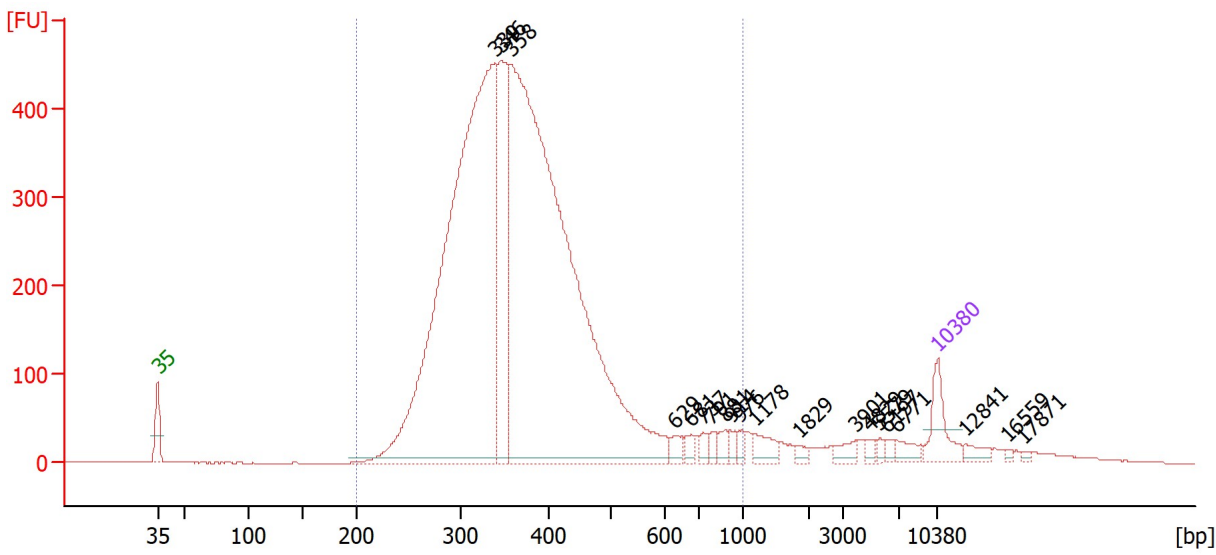
Region table for sample 10 : A635 Input

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	7,737.6	92	386	28.5	5,868.45	24,874.3	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: Z:\...\Bioanalyzer1_High Sensitivity DNA Assay_2019-11-18_001.xad

Created: 11/18/2019 3:22:17 PM
 Modified: 11/18/2019 4:03:42 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 :

Number of peaks found: 20 Corr. Area 1: 7,649.2
 Noise: 0.3

Peak table for sample 11 :

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	339	2,331.33	10,428.4	
3	346	509.70	2,229.4	
4	358	2,780.46	11,781.2	
5	629	23.99	57.8	
6	681	19.91	44.3	
7	737	17.04	35.0	
8	791	18.31	35.1	
9	881	23.32	40.1	
10	914	18.06	29.9	
11	976	16.16	25.1	
12	1,178	39.63	51.0	
13	1,829	13.18	10.9	
14	3,901	23.08	9.0	
15	4,829	10.90	3.4	
16	5,579	9.53	2.6	
17	6,197	10.70	2.6	
18	6,771	26.22	5.9	
19	10,380	75.00	10.9	Upper Marker
20	12,841	0.00	0.0	
21	16,559	0.00	0.0	
22	17,871	0.00	0.0	

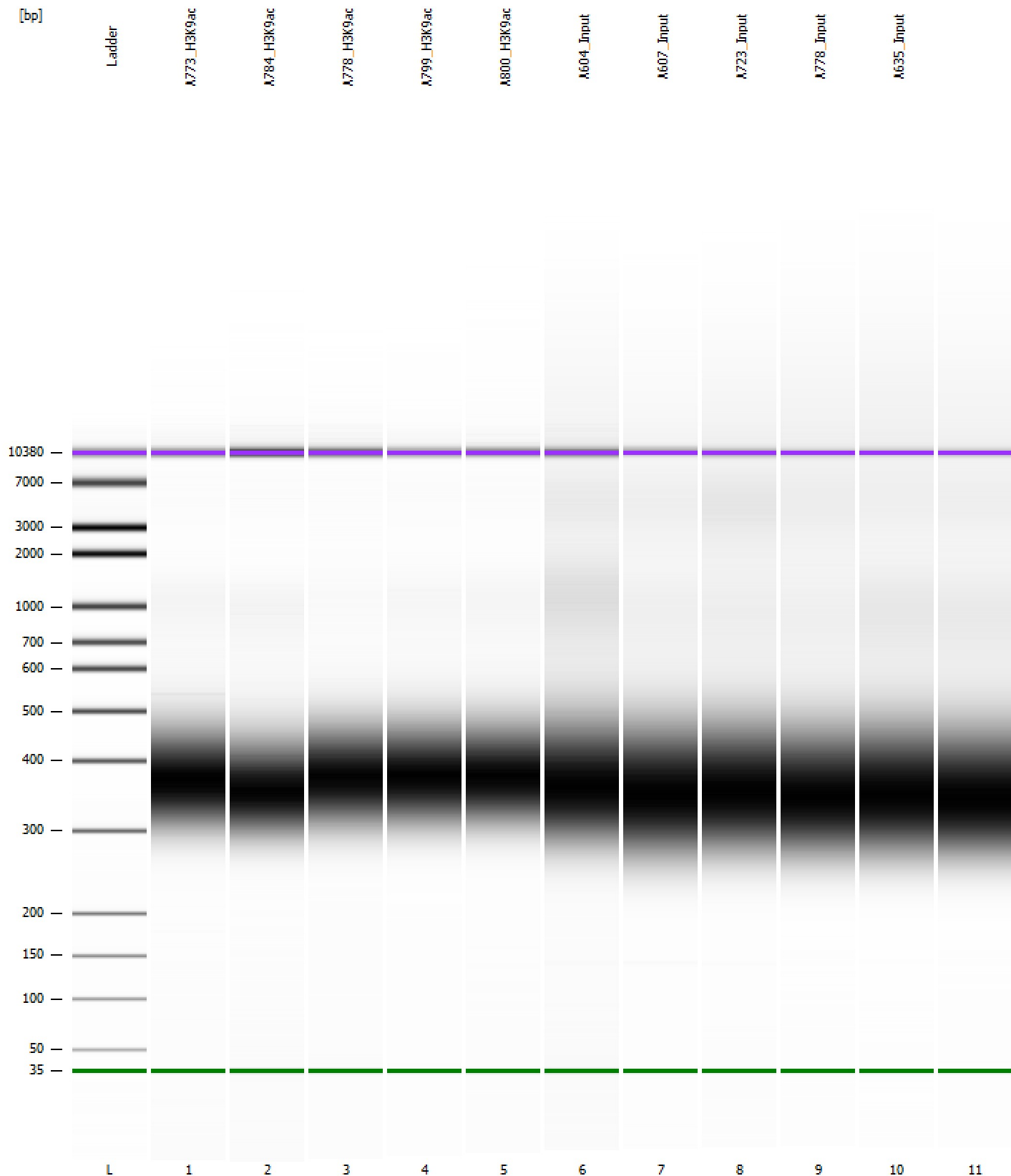
Region table for sample 11 :

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	7,649.2	93	381	28.2	5,779.76	24,720.4	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: Z:\...\Bioanalyzer1_High Sensitivity DNA Assay_2019-11-18_001.xad

Created: 11/18/2019 3:22:17 PM
Modified: 11/18/2019 4:03:42 PM

Gel Image

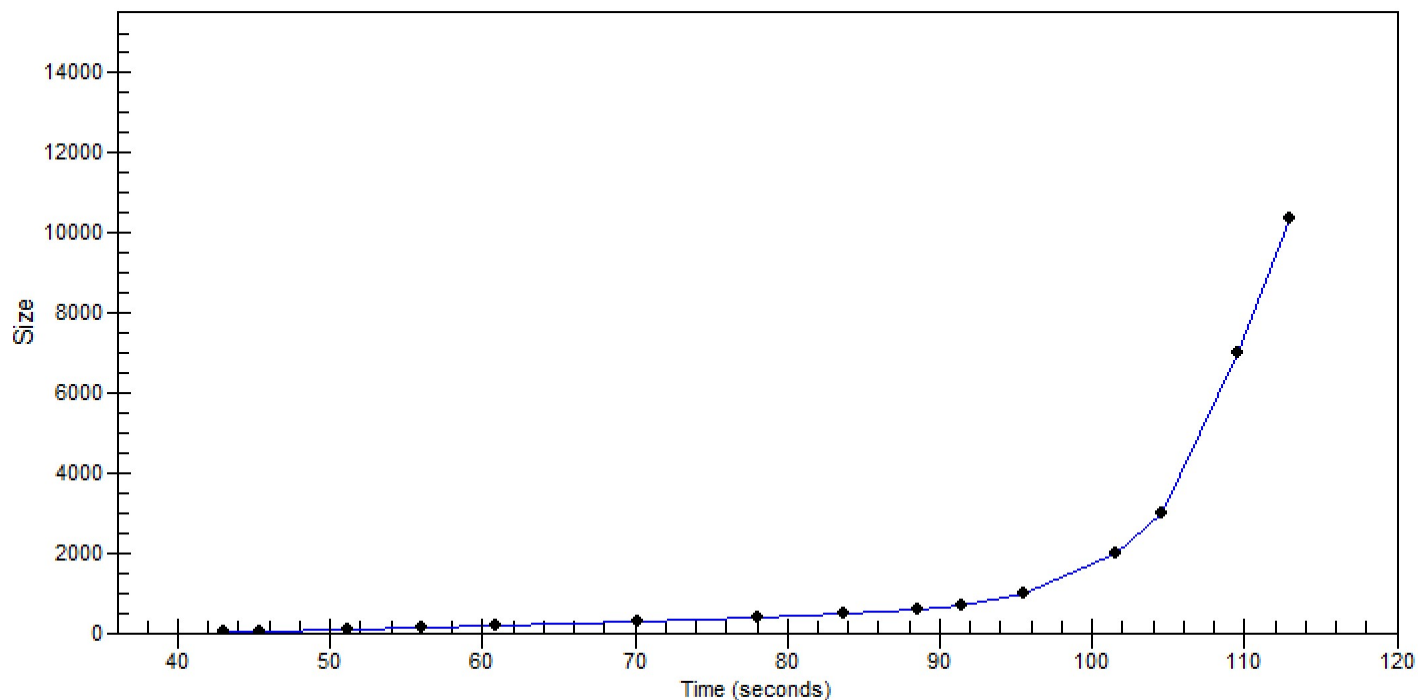


Assay Class: High Sensitivity DNA Assay
Data Path: Z:\...\Bioanalyzer1_High Sensitivity DNA Assay_2019-11-18_001.xad

Created: 11/18/2019 3:22:17 PM
Modified: 11/18/2019 4:03:42 PM

Curves

Standard Curve



Assay Class: High Sensitivity DNA Assay
 Data Path: Z:\...\Bioanalyzer1_High Sensitivity DNA Assay_2019-11-18_001.xad

Created: 11/18/2019 3:22:17 PM
 Modified: 11/18/2019 4:03:42 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 12)		Instrument	Run		11/18/2019 4:03:39 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: Z:\XADs\2019-11-18\Bioanalyze r1_High Sensitivity DNA Assay_2019-11-18_001.xad)		Instrument	Run		11/18/2019 3:22:23 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		11/18/2019 3:22:23 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		11/18/2019 3:22:23 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		11/18/2019 3:22:23 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		11/18/2019 3:22:23 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		11/18/2019 3:22:23 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		11/18/2019 3:22:23 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB