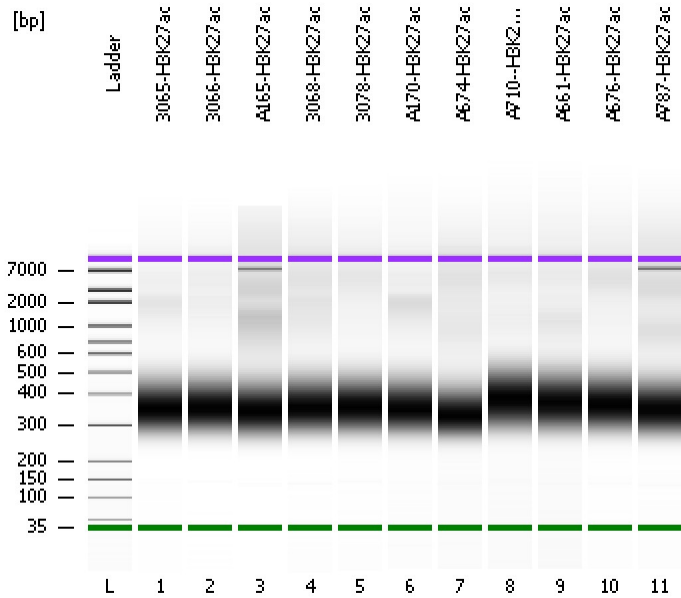


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2019-11-04\2019-11-04\_003.xad

Created: 11/4/2019 2:23:41 PM  
Modified: 11/4/2019 3:04:50 PM

### Electrophoresis File Run Summary



#### Instrument Information:

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

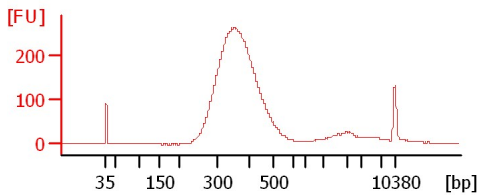
#### Assay Information:

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

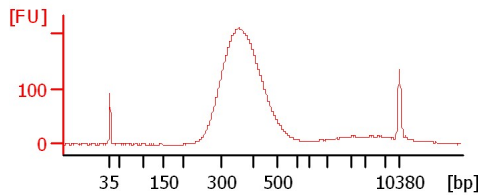
#### Chip Information:

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

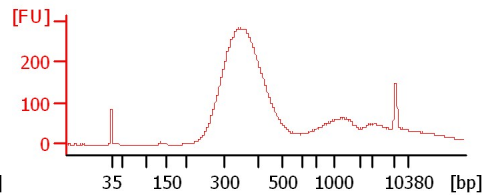
3065-H3K27ac



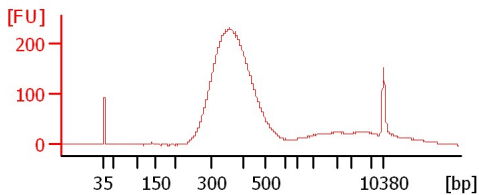
3066-H3K27ac



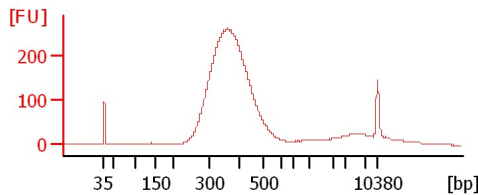
A165-H3K27ac



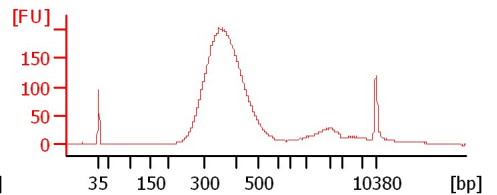
3068-H3K27ac



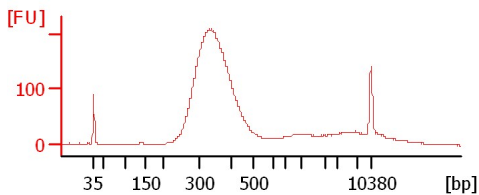
3078-H3K27ac



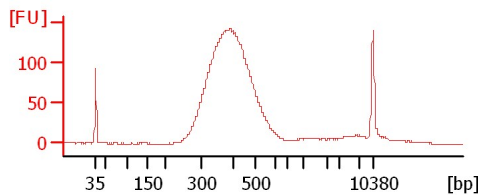
A170-H3K27ac



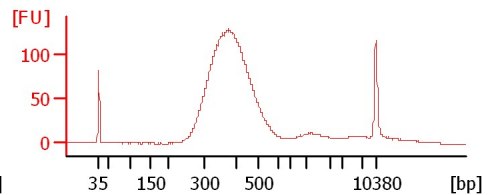
A674-H3K27ac



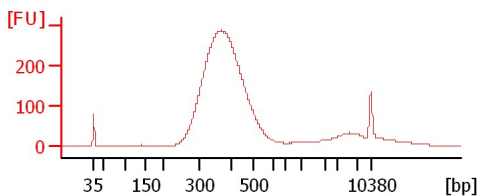
A710-H3K27ac



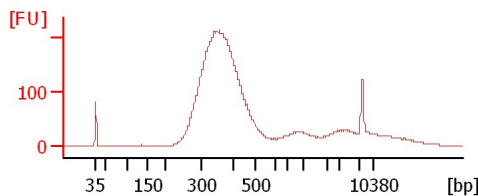
A661-H3K27ac



A676-H3K27ac



A787-H3K27ac



Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2019-11-04\2019-11-04\_003.xad

Created: 11/4/2019 2:23:41 PM  
Modified: 11/4/2019 3:04:50 PM

**Electrophoresis File Run Summary (Chip Summary)**

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
3065-H3K27ac		<input type="checkbox"/>	✓			
3066-H3K27ac		<input type="checkbox"/>	✓			
A165-H3K27ac		<input type="checkbox"/>	✓			
3068-H3K27ac		<input type="checkbox"/>	✓			
3078-H3K27ac		<input type="checkbox"/>	✓			
A170-H3K27ac		<input type="checkbox"/>	✓			
A674-H3K27ac		<input type="checkbox"/>	✓			
A710--H3K27ac		<input type="checkbox"/>	✓			
A661-H3K27ac		<input type="checkbox"/>	✓			
A676-H3K27ac		<input type="checkbox"/>	✓			
A787-H3K27ac		<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

**Chip Lot #**

**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2019-11-04\2019-11-04\_003.xad

Created: 11/4/2019 2:23:41 PM  
Modified: 11/4/2019 3:04:50 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

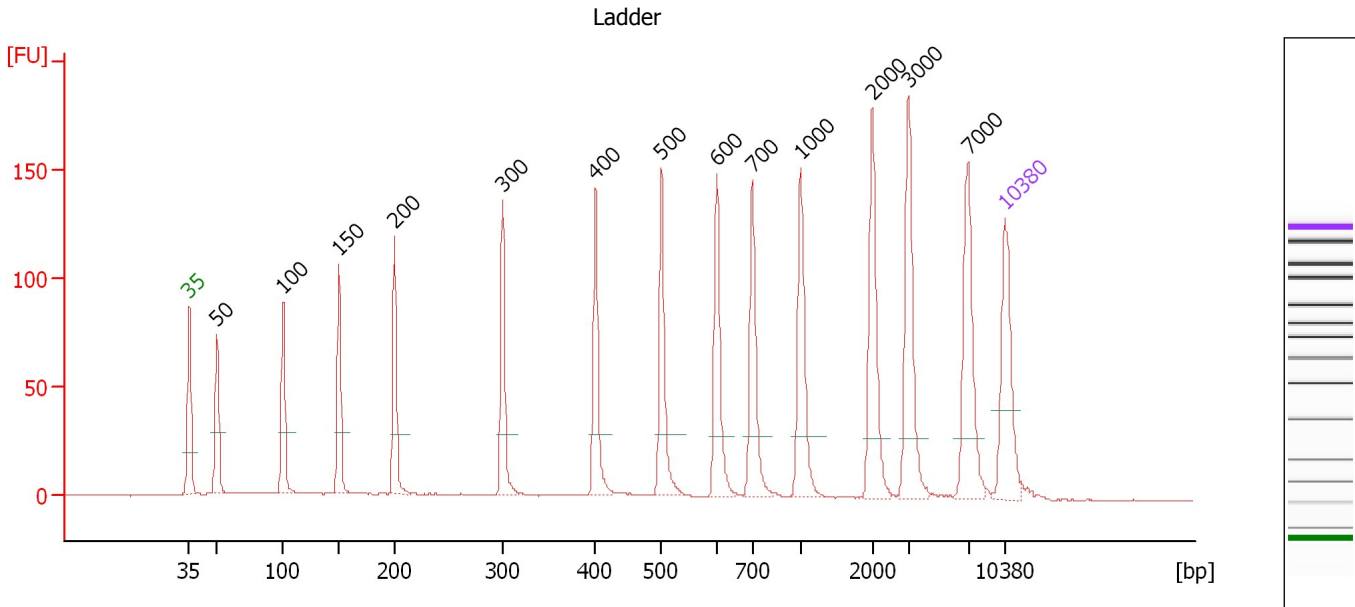
**Ladder**

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:\... bioanalyzer\2100 expert\data\2019-11-04\2019-11-04\_003.xad

Created: 11/4/2019 2:23:41 PM  
 Modified: 11/4/2019 3:04:50 PM

**Electropherogram Summary**



**Overall Results for Ladder**

Noise: 0.3

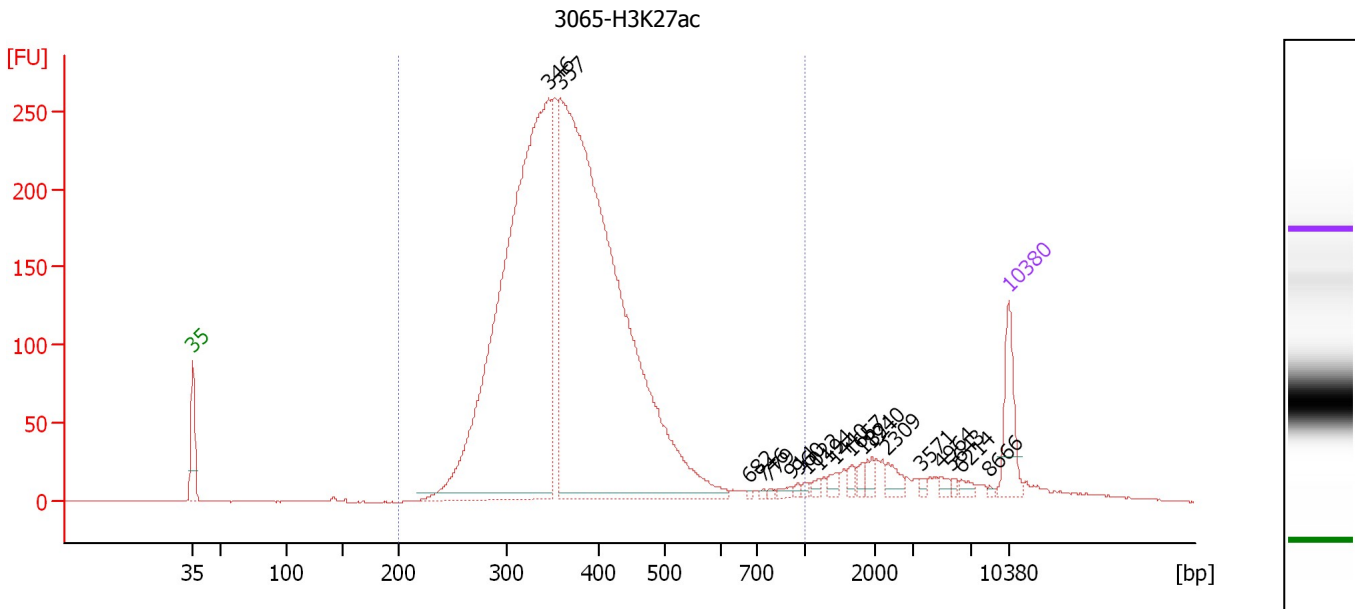
**Peak table for Ladder**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	50	150.00	4,545.5	Ladder Peak	45.38
3	100	150.00	2,272.7	Ladder Peak	51.05
4	150	150.00	1,515.2	Ladder Peak	55.86
5	200	150.00	1,136.4	Ladder Peak	60.61
6	300	150.00	757.6	Ladder Peak	69.90
7	400	150.00	568.2	Ladder Peak	77.86
8	500	150.00	454.5	Ladder Peak	83.54
9	600	150.00	378.8	Ladder Peak	88.29
10	700	150.00	324.7	Ladder Peak	91.31
11	1,000	150.00	227.3	Ladder Peak	95.48
12	2,000	150.00	113.6	Ladder Peak	101.61
13	3,000	150.00	75.8	Ladder Peak	104.72
14	7,000	150.00	32.5	Ladder Peak	109.84
15	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-11-04\2019-11-04\_003.xad

Created: 11/4/2019 2:23:41 PM  
 Modified: 11/4/2019 3:04:50 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : 3065-H3K27ac**

Number of peaks found: 19      Corr. Area 1: 4,101.7  
 Noise: 0.3

**Peak table for sample 1 : 3065-H3K27ac**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	346	1,836.91	8,044.5		73.56
3	357	2,220.49	9,411.6		74.48
4	682	3.25	7.2		90.76
5	746	3.12	6.3		91.95
6	779	3.71	7.2		92.41
7	914	8.37	13.9		94.29
8	960	5.17	8.2		94.93
9	1,022	5.28	7.8		95.61
10	1,194	8.96	11.4		96.67
11	1,440	13.44	14.1		98.18
12	1,657	12.62	11.5		99.50
13	1,821	11.61	9.7		100.51
14	1,940	16.35	12.8		101.24
15	2,309	21.79	14.3		102.57
16	3,571	6.05	2.6		105.45
17	4,964	8.53	2.6		107.24
18	5,643	5.03	1.4		108.10
19	6,214	9.11	2.2		108.84
20	8,666	2.40	0.4		111.40
21	10,380	75.00	10.9	Upper Marker	113.00

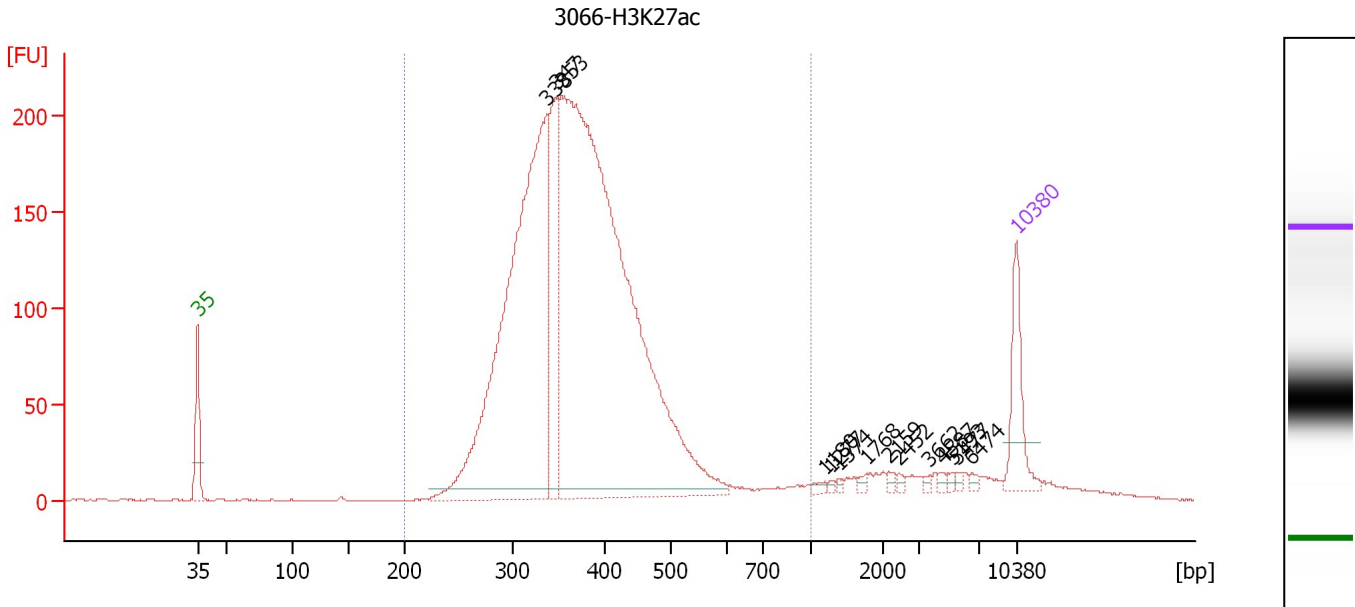
**Region table for sample 1 : 3065-H3K27ac**

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	375	4,281.51	4,101.7	18,169.1	93	22.6

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-11-04\2019-11-04\_003.xad

Created: 11/4/2019 2:23:41 PM  
 Modified: 11/4/2019 3:04:50 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : 3066-H3K27ac**

Number of peaks found: 14                      Corr. Area 1: 3,344.2  
 Noise: 0.3

**Peak table for sample 2 : 3066-H3K27ac**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	338	1,123.52	5,038.6		72.92
3	347	230.64	1,007.0		73.64
4	353	1,875.17	8,041.3		74.15
5	1,180	6.15	7.9		96.58
6	1,277	3.03	3.6		97.18
7	1,374	3.29	3.6		97.77
8	1,768	5.88	5.0		100.19
9	2,159	5.79	4.1		102.10
10	2,452	4.84	3.0		103.01
11	3,662	4.26	1.8		105.57
12	4,587	4.77	1.6		106.75
13	5,193	4.37	1.3		107.53
14	5,477	4.17	1.2		107.89
15	6,474	5.14	1.2		109.17
16	10,380	75.00	10.9	Upper Marker	113.00

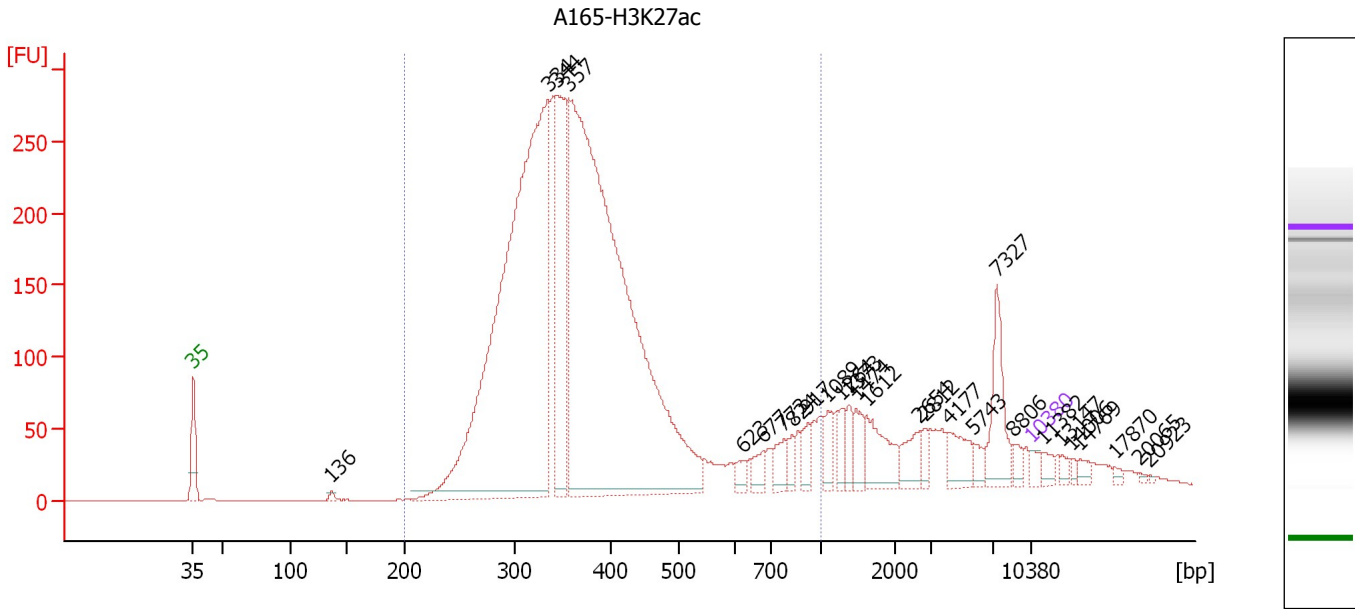
**Region table for sample 2 : 3066-H3K27ac**

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	378	3,222.31	3,344.2	13,561.7	93	22.4

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-11-04\2019-11-04\_003.xad

Created: 11/4/2019 2:23:41 PM  
 Modified: 11/4/2019 3:04:50 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : A165-H3K27ac**

Number of peaks found: 27                      Corr. Area 1: 4,755.3  
 Noise: 0.3

**Peak table for sample 3 : A165-H3K27ac**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	136	50.18	557.8		54.54
3	334	10,956.51	49,661.4		72.63
4	344	2,573.38	11,322.8		73.43
5	357	12,591.89	53,491.3		74.41
6	623	123.18	299.6		88.98
7	677	185.24	414.3		90.63
8	773	247.81	485.8		92.33
9	824	134.97	248.1		93.04
10	917	183.64	303.3		94.33
11	1,089	267.35	371.9		96.02
12	1,264	171.75	205.9		97.09
13	1,373	181.81	200.7		97.76
14	1,474	235.24	241.8		98.39
15	1,612	494.97	465.1		99.23
16	2,654	261.27	149.2		103.64
17	2,812	99.52	53.6		104.13
18	4,177	315.46	114.4		106.23
19	5,743	104.62	27.6		108.23
20	7,327	611.09	126.4		110.15
21	8,806	92.75	16.0		111.53
22	10,380	75.00	10.9	Upper Marker	113.00
23	11,382	0.00	0.0		113.94
24	13,147	0.00	0.0		115.58
25	14,006	0.00	0.0		116.39

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-11-04\2019-11-04\_003.xad

Created: 11/4/2019 2:23:41 PM  
 Modified: 11/4/2019 3:04:50 PM

### Electropherogram Summary Continued ...

#### ... Peak table for sample 3 : A165-H3K27ac

Peak	Size [bp]	Conc. [pg/ $\mu$ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	14,769	0.00	0.0		117.10
27	17,870	0.00	0.0		120.00
28	20,065	0.00	0.0		122.05
29	20,923	0.00	0.0		122.85

#### Region table for sample 3 : A165-H3K27ac

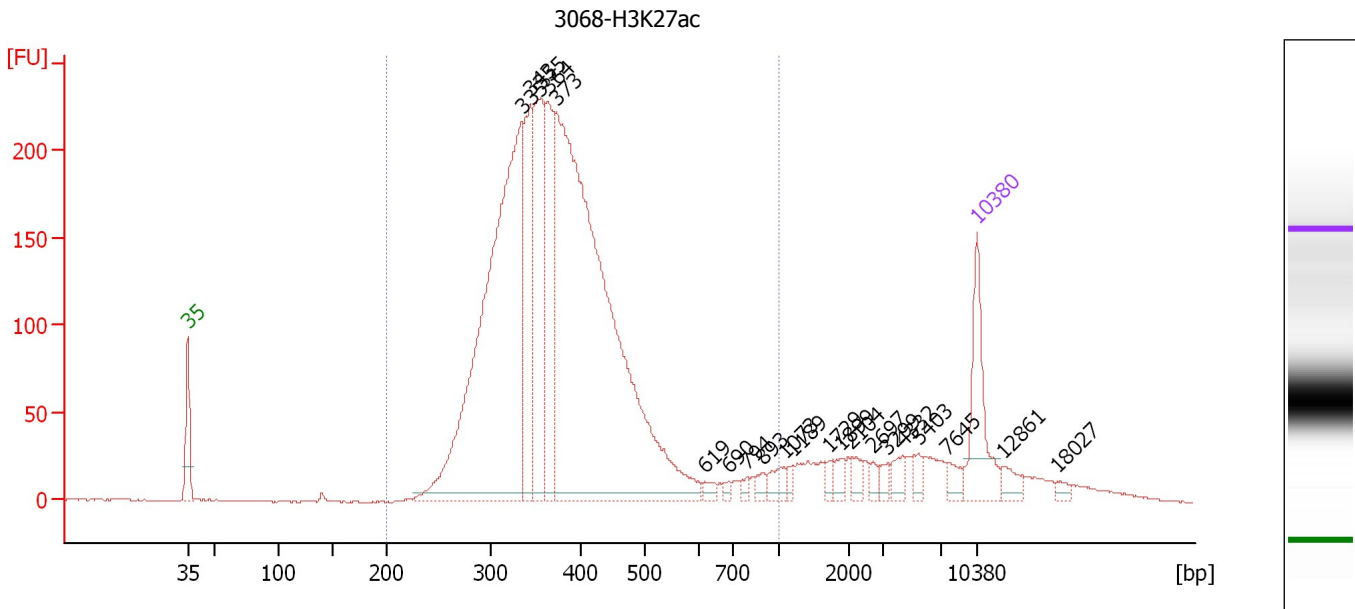
From [bp]	To [bp]	Average Size [bp]	Conc. [pg/ $\mu$ l]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	392	28,352.87	4,755.3	120,338.5	 84	33.5



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-11-04\2019-11-04\_003.xad

Created: 11/4/2019 2:23:41 PM  
 Modified: 11/4/2019 3:04:50 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : 3068-H3K27ac**

Number of peaks found: 21                      Corr. Area 1: 3,747.8  
 Noise: 0.3

**Peak table for sample 4 : 3068-H3K27ac**


Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	335	813.28	3,682.9		72.66
3	343	191.32	843.9		73.36
4	355	221.99	946.4		74.31
5	364	185.88	774.4		74.97
6	373	1,088.96	4,428.0		75.68
7	619	9.31	22.8		88.88
8	690	5.30	11.7		91.01
9	794	6.73	12.8		92.61
10	893	10.20	17.3		93.99
11	1,073	17.99	25.4		95.93
12	1,189	6.89	8.8		96.64
13	1,729	8.17	7.2		99.95
14	1,899	11.62	9.3		100.99
15	2,104	11.65	8.4		101.93
16	2,697	7.67	4.3		103.78
17	3,299	9.26	4.3		105.10
18	4,332	15.44	5.4		106.43
19	5,403	11.95	3.4		107.80
20	7,645	13.54	2.7		110.45
21	10,380	75.00	10.9	Upper Marker	113.00
22	12,861	0.00	0.0		115.32
23	18,027	0.00	0.0		120.14

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2019-11-04\2019-11-04\_003.xad

Created: 11/4/2019 2:23:41 PM  
Modified: 11/4/2019 3:04:50 PM

**Electropherogram Summary Continued ...**

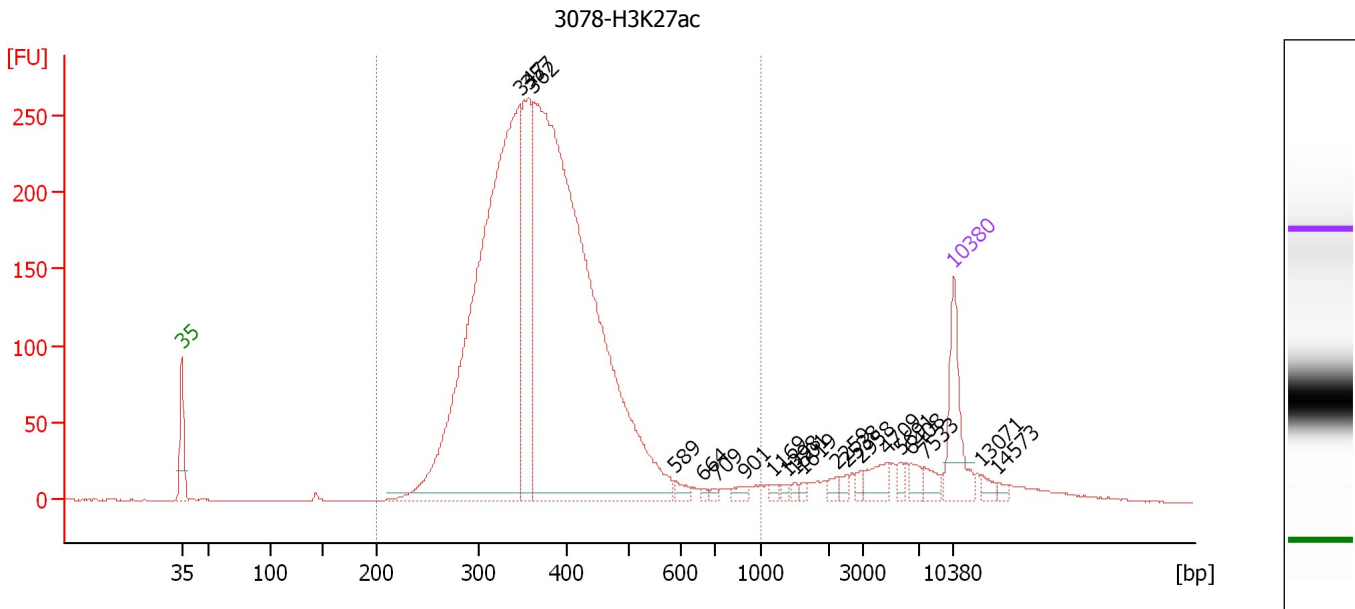
... Region table for sample 4 : 3068-H3K27ac

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/ $\mu$ l]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	386	2,523.03	3,747.8	10,533.0	 89	26.0

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-11-04\2019-11-04\_003.xad

Created: 11/4/2019 2:23:41 PM  
 Modified: 11/4/2019 3:04:50 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : 3078-H3K27ac**

Number of peaks found: 20                      Corr. Area 1: 4,223.8  
 Noise: 0.3

**Peak table for sample 5 : 3078-H3K27ac**


Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	347	1,243.15	5,427.0		73.65
3	357	254.82	1,080.3		74.47
4	362	1,602.47	6,702.4		74.86
5	589	11.64	29.9		87.77
6	664	3.80	8.7		90.23
7	709	4.88	10.4		91.44
8	901	9.08	15.3		94.10
9	1,169	5.54	7.2		96.52
10	1,398	4.80	5.2		97.92
11	1,501	5.33	5.4		98.55
12	1,619	4.34	4.1		99.27
13	2,259	8.41	5.6		102.41
14	2,538	6.40	3.8		103.28
15	2,958	7.52	3.9		104.59
16	4,709	26.74	8.6		106.91
17	5,691	8.35	2.2		108.17
18	6,408	14.66	3.5		109.08
19	7,533	16.11	3.2		110.34
20	10,380	75.00	10.9	Upper Marker	113.00
21	13,071	0.00	0.0		115.51
22	14,573	0.00	0.0		116.92

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2019-11-04\2019-11-04\_003.xad

Created: 11/4/2019 2:23:41 PM  
Modified: 11/4/2019 3:04:50 PM

**Electropherogram Summary Continued ...**

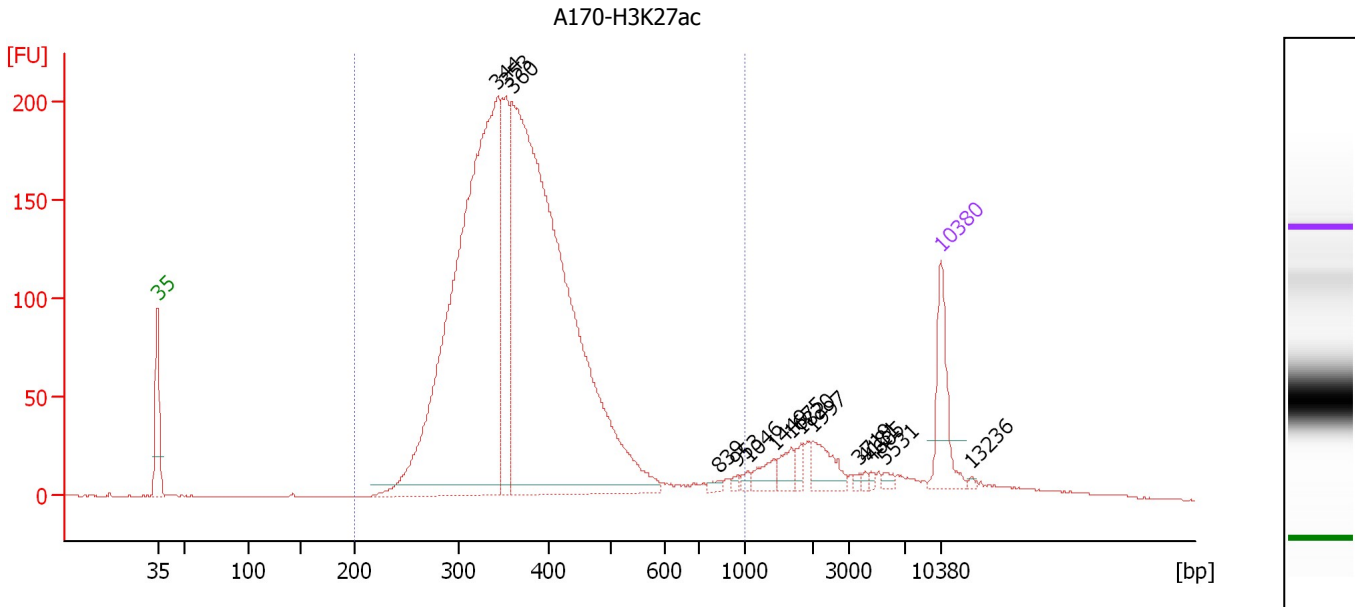
... Region table for sample 5 : 3078-H3K27ac

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/ $\mu$ l]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	381	3,133.87	4,223.8	13,144.8	 92	22.9

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-11-04\2019-11-04\_003.xad

Created: 11/4/2019 2:23:41 PM  
 Modified: 11/4/2019 3:04:50 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : A170-H3K27ac**

Number of peaks found: 15                      Corr. Area 1: 3,187.2  
 Noise: 0.2

**Peak table for sample 6 : A170-H3K27ac**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	344	1,338.22	5,899.3		73.38
3	353	206.39	885.8		74.12
4	360	1,582.71	6,664.2		74.67
5	839	6.66	12.0		93.24
6	953	5.55	8.8		94.82
7	1,046	6.82	9.9		95.76
8	1,449	23.89	25.0		98.23
9	1,675	21.19	19.2		99.61
10	1,820	13.80	11.5		100.50
11	1,997	41.45	31.4		101.59
12	3,719	3.43	1.4		105.64
13	4,181	3.82	1.4		106.23
14	4,605	3.81	1.3		106.78
15	5,531	6.70	1.8		107.96
16	10,380	75.00	10.9	Upper Marker	113.00
17	13,236	0.00	0.0		115.67

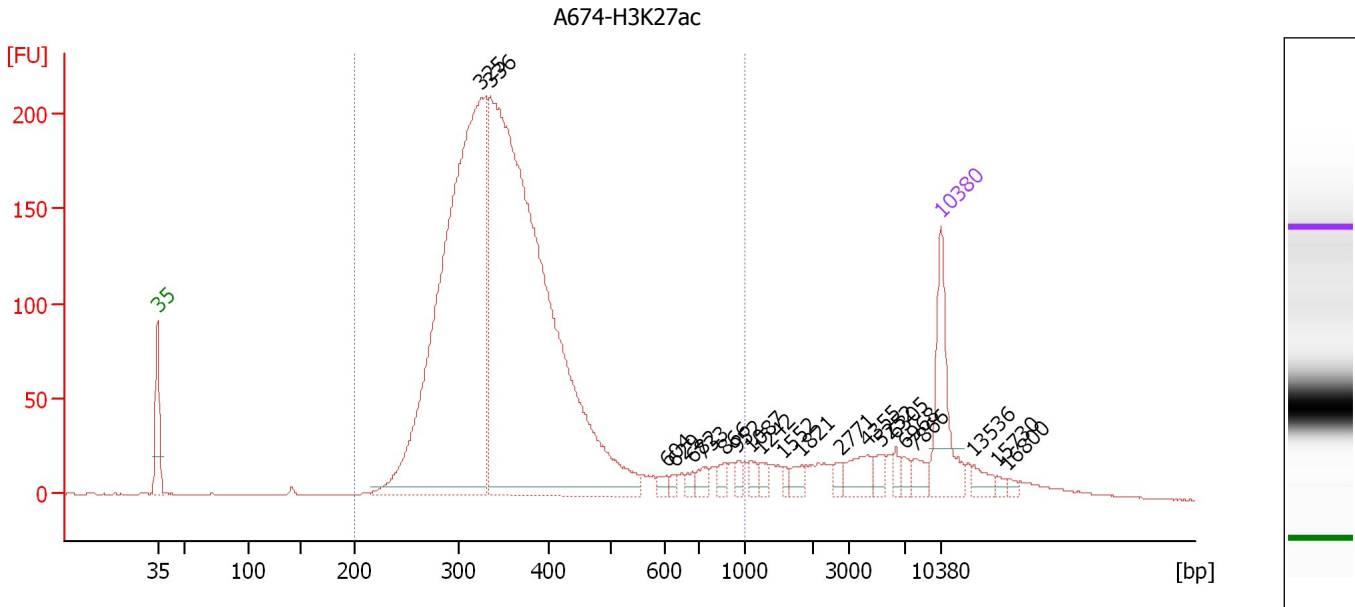
**Region table for sample 6 : A170-H3K27ac**

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]
200	1,000	379	3,229.03	3,187.2	13,671.3	90	24.7

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-11-04\2019-11-04\_003.xad

Created: 11/4/2019 2:23:41 PM  
 Modified: 11/4/2019 3:04:50 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : A674-H3K27ac**

Number of peaks found: 21                      Corr. Area 1: 3,240.8  
 Noise: 0.3

**Peak table for sample 7 : A674-H3K27ac**


Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	325	1,026.56	4,778.9		71.93
3	336	1,293.86	5,843.1		72.73
4	604	8.11	20.4		88.42
5	629	5.05	12.2		89.17
6	682	7.83	17.4		90.77
7	733	12.62	26.1		91.77
8	866	10.47	18.3		93.61
9	952	7.93	12.6		94.81
10	1,087	9.71	13.5		96.01
11	1,242	10.11	12.3		96.96
12	1,552	5.45	5.3		98.86
13	1,821	10.69	8.9		100.51
14	2,771	7.43	4.1		104.01
15	4,355	25.63	8.9		106.45
16	5,252	11.11	3.2		107.60
17	6,305	7.85	1.9		108.95
18	6,968	9.87	2.1		109.80
19	7,866	13.87	2.7		110.65
20	10,380	75.00	10.9	Upper Marker	113.00
21	13,536	0.00	0.0		115.95
22	15,730	0.00	0.0		118.00
23	16,800	0.00	0.0		119.00

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2019-11-04\2019-11-04\_003.xad

Created: 11/4/2019 2:23:41 PM  
Modified: 11/4/2019 3:04:50 PM

**Electropherogram Summary Continued ...**

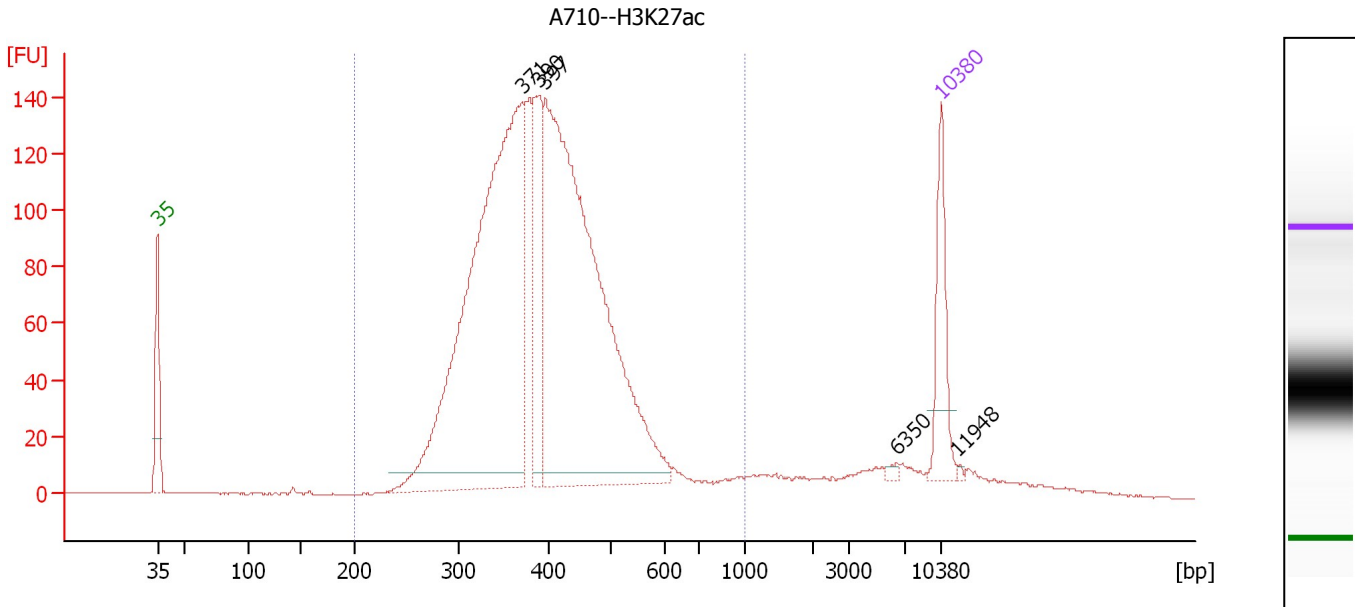
... Region table for sample 7 : A674-H3K27ac

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/ $\mu$ l]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	371	2,394.13	3,240.8	10,551.7	 88	30.3

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-11-04\2019-11-04\_003.xad

Created: 11/4/2019 2:23:41 PM  
 Modified: 11/4/2019 3:04:50 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : A710--H3K27ac**

Number of peaks found: 5                      Corr. Area 1: 2,417.3  
 Noise: 0.3

**Peak table for sample 8 : A710--H3K27ac**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	371	957.60	3,907.9		75.58
3	390	164.14	637.2		77.09
4	397	931.08	3,550.9		77.65
5	6,350	4.61	1.1		109.01
6	10,380	75.00	10.9	Upper Marker	113.00
7	11,948	0.00	0.0		114.46

**Region table for sample 8 : A710--H3K27ac**

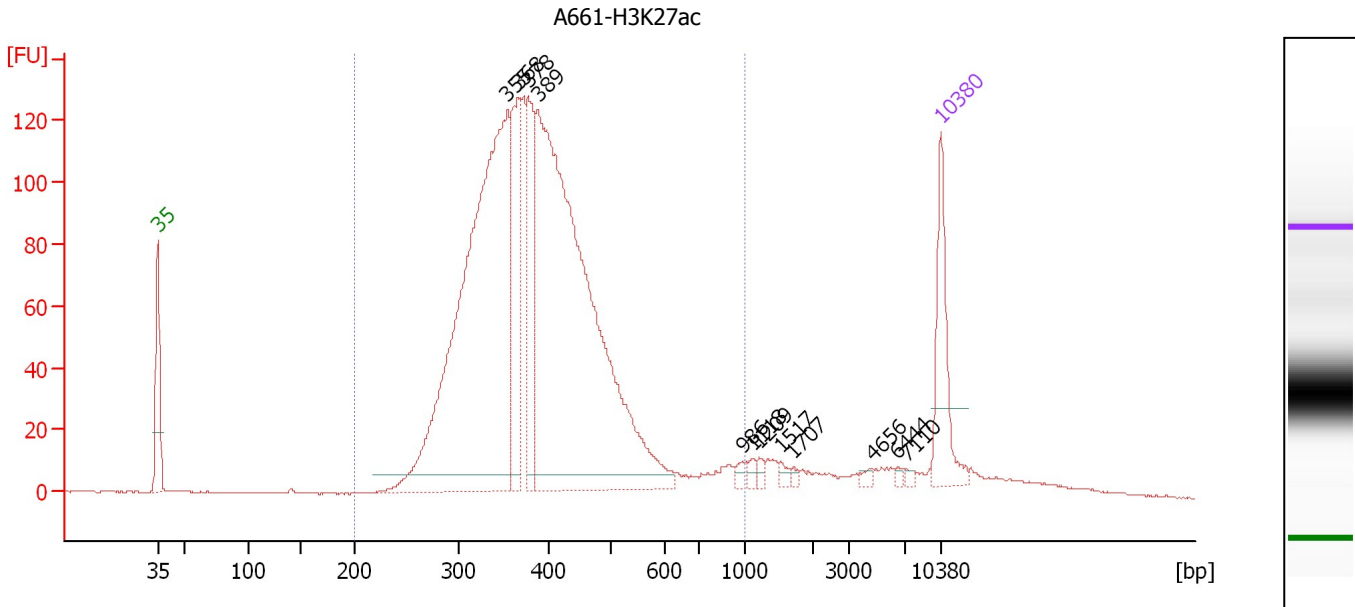
From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	405	2,342.89	2,417.3	9,275.5	92	22.8



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-11-04\2019-11-04\_003.xad

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 Modified: 11/4/2019 3:04:50 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 9 : A661-H3K27ac**

Number of peaks found: 12                      Corr. Area 1: 2,133.8  
 Noise: 0.2

**Peak table for sample 9 : A661-H3K27ac**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	355	853.21	3,644.4		74.26
3	368	163.16	671.5		75.33
4	378	132.83	531.9		76.14
5	389	914.41	3,559.3		77.01
6	986	7.06	10.8		95.28
7	1,118	6.88	9.3		96.20
8	1,209	6.13	7.7		96.76
9	1,517	5.55	5.5		98.64
10	1,707	3.18	2.8		99.81
11	4,656	4.86	1.6		106.84
12	6,444	3.36	0.8		109.13
13	7,110	3.38	0.7		109.95
14	10,380	75.00	10.9	Upper Marker	113.00

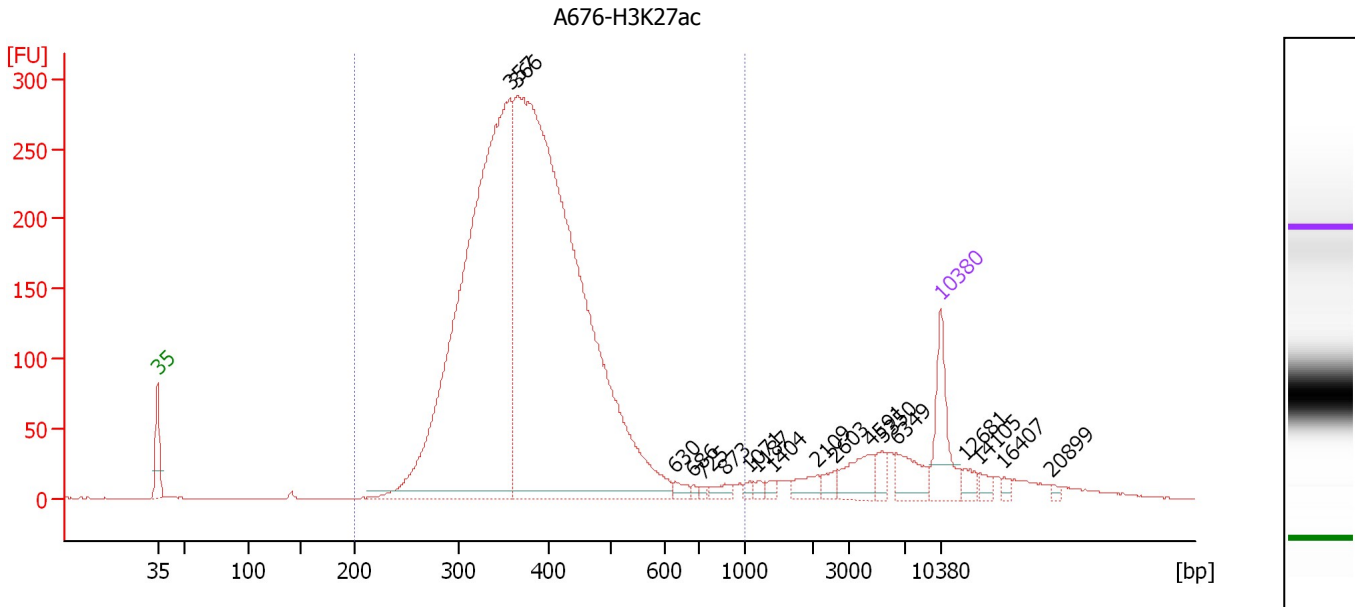
**Region table for sample 9 : A661-H3K27ac**

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]
200	1,000	400	2,275.49	2,133.8	9,191.2	91	25.6

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-11-04\2019-11-04\_003.xad

Created: 11/4/2019 2:23:41 PM  
 Modified: 11/4/2019 3:04:50 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 10 : A676-H3K27ac**

Number of peaks found: 18                      Corr. Area 1: 4,621.5  
 Noise: 0.2

**Peak table for sample 10 : A676-H3K27ac**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	357	1,467.98	6,223.8		74.47
3	366	1,987.30	8,233.0		75.13
4	630	13.27	31.9		89.21
5	686	5.15	11.4		90.89
6	725	4.72	9.9		91.66
7	873	13.85	24.1		93.71
8	1,071	6.95	9.8		95.91
9	1,187	7.17	9.2		96.63
10	1,404	8.50	9.2		97.96
11	2,109	20.93	15.0		101.95
12	2,603	14.65	8.5		103.48
13	4,591	45.80	15.1		106.76
14	5,350	16.59	4.7		107.73
15	6,349	42.78	10.2		109.01
16	10,380	75.00	10.9	Upper Marker	113.00
17	12,681	0.00	0.0		115.15
18	14,105	0.00	0.0		116.48
19	16,407	0.00	0.0		118.63
20	20,899	0.00	0.0		122.82

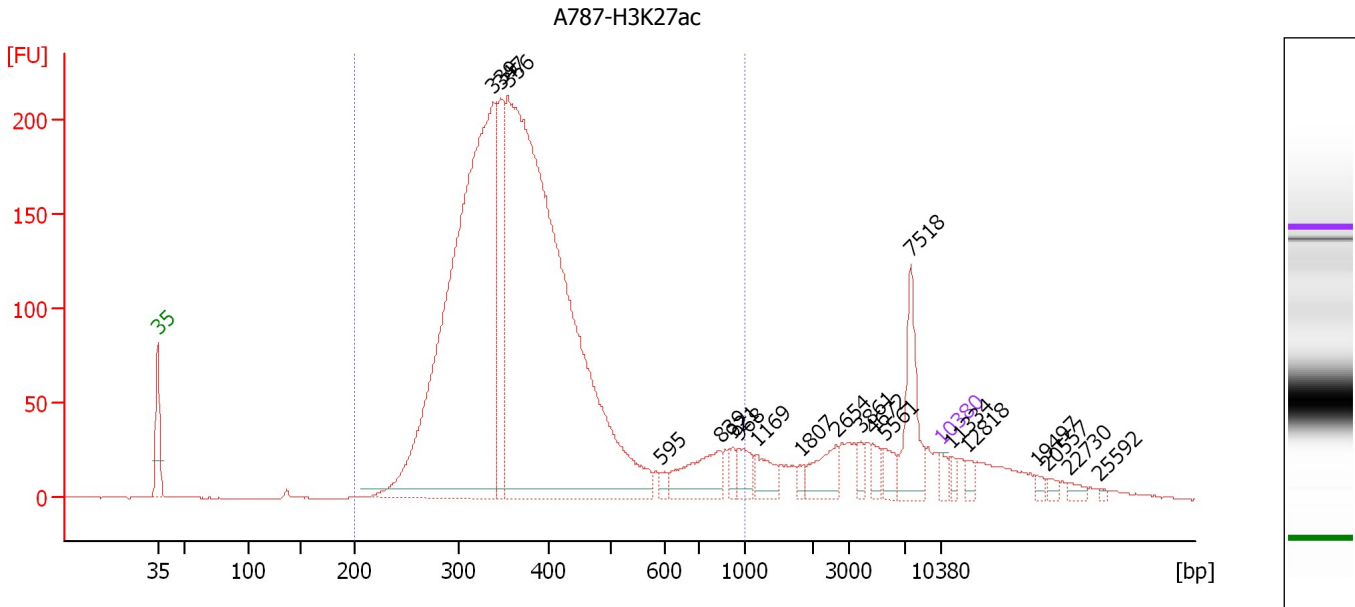
**Region table for sample 10 : A676-H3K27ac**

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	389	3,476.90	4,621.5	14,279.6	90	22.6

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-11-04\2019-11-04\_003.xad

Created: 11/4/2019 2:23:41 PM  
 Modified: 11/4/2019 3:04:50 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 11 : A787-H3K27ac**

Number of peaks found: 20                      Corr. Area 1: 3,549.2  
 Noise: 0.2

**Peak table for sample 11 : A787-H3K27ac**


Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	339	8,584.16	38,376.1		73.00
3	347	1,354.12	5,912.7		73.64
4	356	11,152.18	47,503.3		74.34
5	595	64.70	164.8		88.05
6	839	539.28	973.5		93.25
7	921	101.25	166.5		94.39
8	968	201.09	314.8		95.03
9	1,169	220.79	286.1		96.51
10	1,807	55.82	46.8		100.43
11	2,654	289.90	165.5		103.64
12	3,861	87.96	34.5		105.82
13	4,672	105.17	34.1		106.86
14	5,561	136.50	37.2		108.00
15	7,518	577.67	116.4		110.33
16	10,380	75.00	10.9	Upper Marker	113.00
17	11,334	0.00	0.0		113.89
18	12,818	0.00	0.0		115.28
19	19,497	0.00	0.0		121.51
20	20,557	0.00	0.0		122.50
21	22,730	0.00	0.0		124.53
22	25,592	0.00	0.0		127.21

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2019-11-04\2019-11-04\_003.xad

Created: 11/4/2019 2:23:41 PM  
Modified: 11/4/2019 3:04:50 PM

**Electropherogram Summary Continued ...**

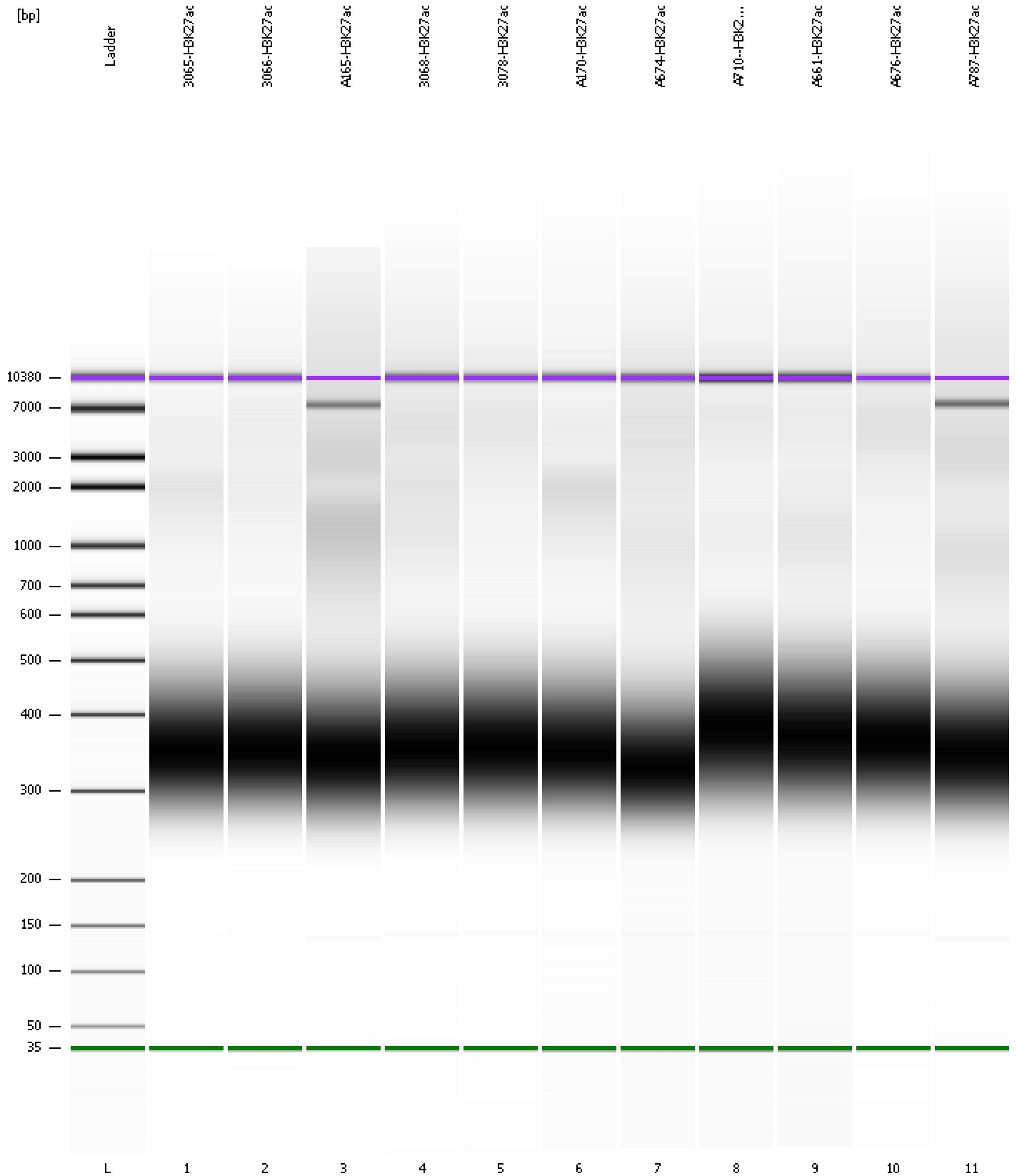
... Region table for sample 11 : A787-H3K27ac

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/ $\mu$ l]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	390	22,018.08	3,549.2	92,908.0	 84	31.1

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2019-11-04\2019-11-04\_003.xad

Created: 11/4/2019 2:23:41 PM  
Modified: 11/4/2019 3:04:50 PM

**Gel Image**



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-11-04\2019-11-04\_003.xad

Created: 11/4/2019 2:23:41 PM  
 Modified: 11/4/2019 3:04:50 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		11/4/2019 3:04:09 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\2019-11-04\2019-11-04_003.xad)		Instrument	Run		11/4/2019 2:23:47 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938C		Instrument	Run		11/4/2019 2:23:47 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		11/4/2019 2:23:47 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		11/4/2019 2:23:47 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE34903152		Instrument	Run		11/4/2019 2:23:47 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		11/4/2019 2:23:47 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		11/4/2019 2:23:47 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1