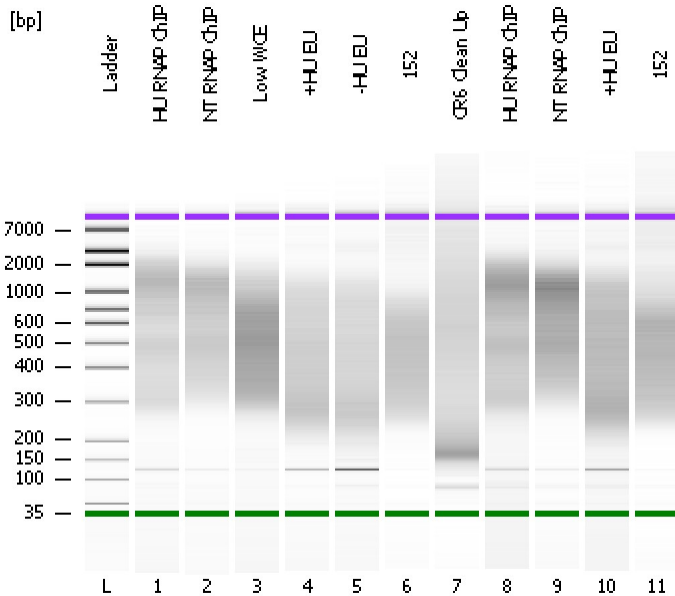


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2016-12-20\2016-12-20_001.xad

Created: 12/20/2016 10:53:06 AM
Modified: 12/20/2016 11:44:58 AM

Electrophoresis File Run Summary



Instrument Information:

Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

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

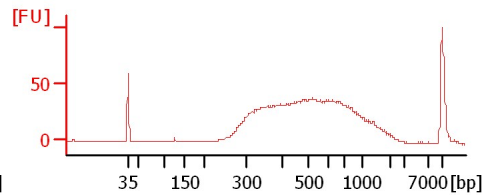
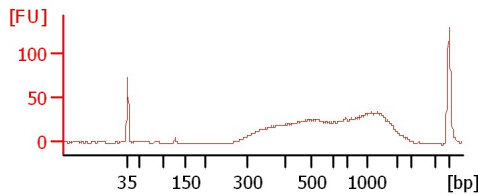
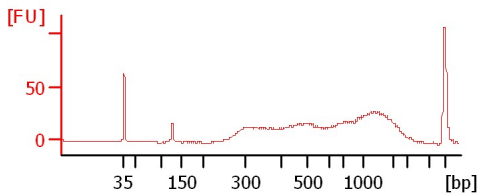
Chip Information:

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

HU RNAP ChIP

NT RNAP ChIP

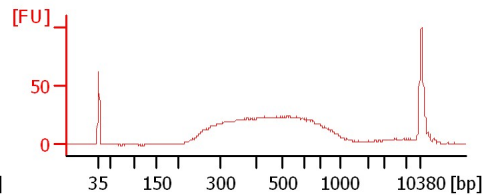
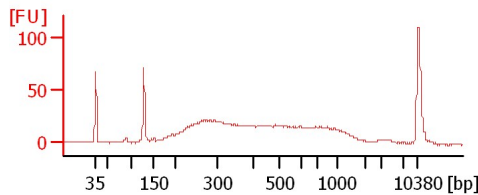
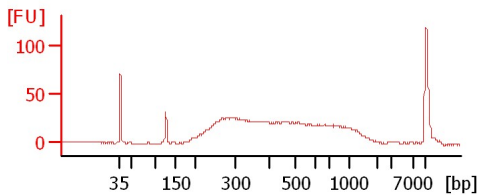
Low WCE



+HU EU

-HU EU

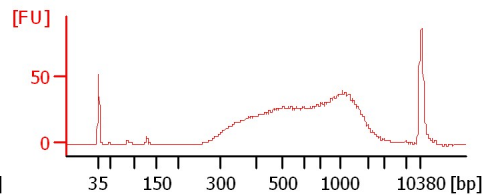
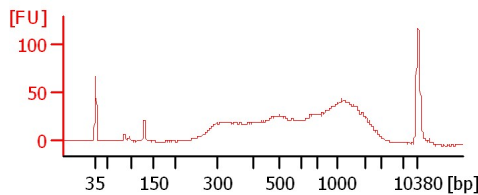
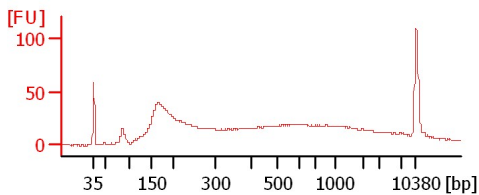
152



CR6 Clean Up

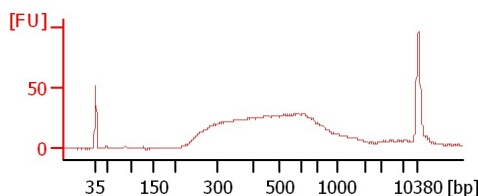
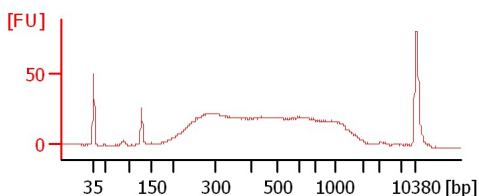
HU RNAP ChIP

NT RNAP ChIP



+HU EU

152



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-12-20\2016-12-20_001.xad

Created: 12/20/2016 10:53:06 AM
 Modified: 12/20/2016 11:44:58 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
HU RNAP ChIP		<input type="checkbox"/>	✓			
NT RNAP ChIP		<input type="checkbox"/>	✓			
Low WCE		<input type="checkbox"/>	✓			
+HU EU		<input type="checkbox"/>	✓			
-HU EU		<input type="checkbox"/>	✓			
152		<input type="checkbox"/>	✓			
CR6 Clean Up		<input type="checkbox"/>	✓			
HU RNAP ChIP		<input type="checkbox"/>	✓			
NT RNAP ChIP		<input type="checkbox"/>	✓			
+HU EU		<input type="checkbox"/>	✓			
152		<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\2016-12-20\2016-12-20_001.xad

Created: 12/20/2016 10:53:06 AM
Modified: 12/20/2016 11:44:58 AM

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

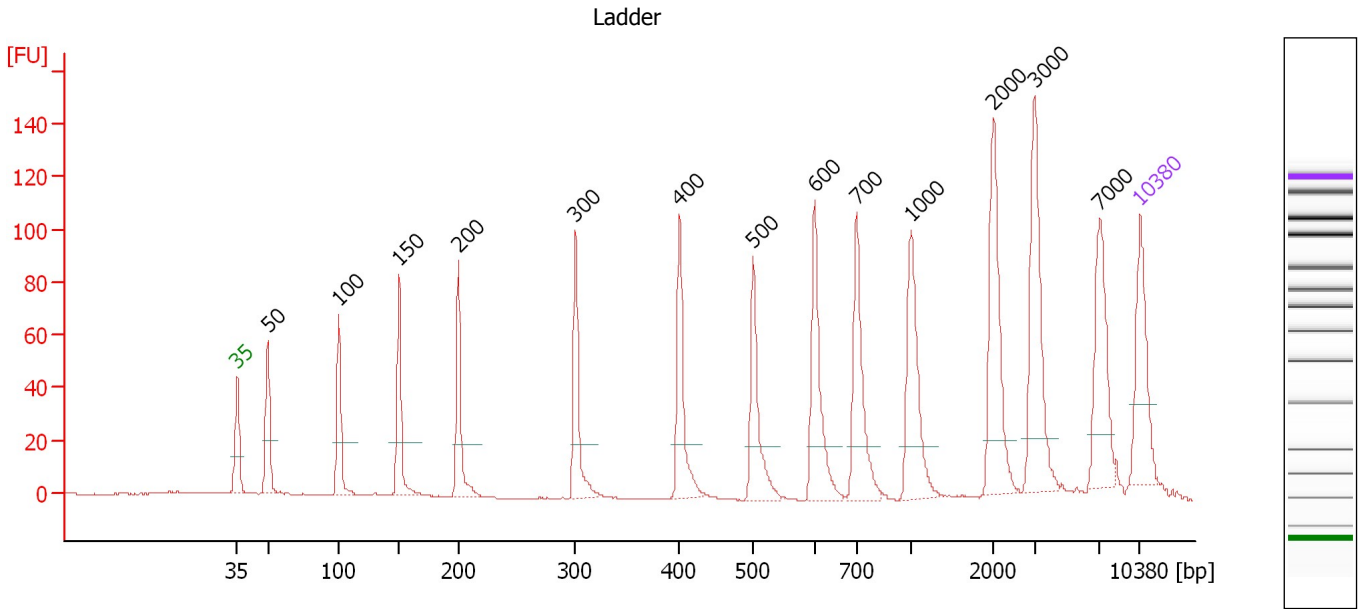
Ladder

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\2016-12-20\2016-12-20_001.xad

Created: 12/20/2016 10:53:06 AM
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Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

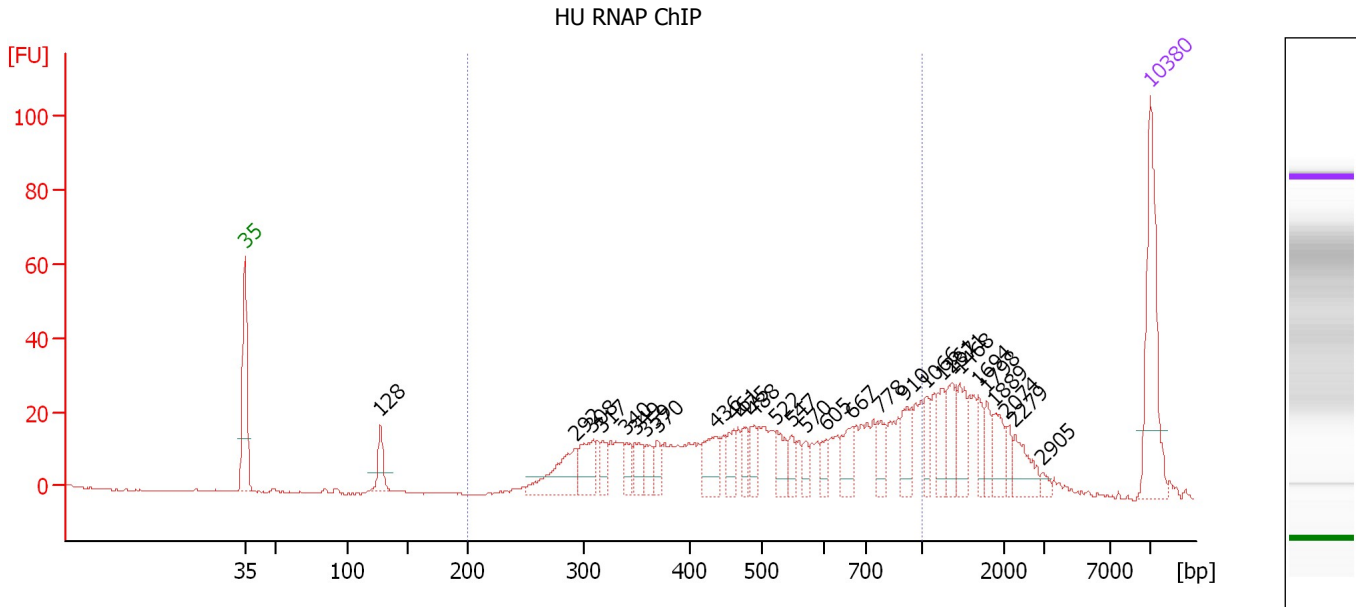
Peak table for Ladder

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	45.36
3	100	150.00	2,272.7	Ladder Peak	50.90
4	150	150.00	1,515.2	Ladder Peak	55.57
5	200	150.00	1,136.4	Ladder Peak	60.16
6	300	150.00	757.6	Ladder Peak	69.26
7	400	150.00	568.2	Ladder Peak	77.32
8	500	150.00	454.5	Ladder Peak	83.02
9	600	150.00	378.8	Ladder Peak	87.78
10	700	150.00	324.7	Ladder Peak	91.04
11	1,000	150.00	227.3	Ladder Peak	95.26
12	2,000	150.00	113.6	Ladder Peak	101.63
13	3,000	150.00	75.8	Ladder Peak	104.85
14	7,000	150.00	32.5	Ladder Peak	109.90
15	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-12-20\2016-12-20_001.xad

Created: 12/20/2016 10:53:06 AM
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Electropherogram Summary Continued ...



Overall Results for sample 1 : HU RNAP ChIP

Number of peaks found: 29 Corr. Area 1: 546.5
 Noise: 0.2

Peak table for sample 1 : HU RNAP ChIP


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	128	28.63	340.1		53.47
3	292	59.19	307.3		68.52
4	308	38.89	191.5		69.88
5	317	16.73	80.0		70.62
6	340	16.30	72.7		72.48
7	349	21.38	92.9		73.18
8	359	16.21	68.4		74.04
9	370	14.41	59.1		74.87
10	436	33.38	116.0		79.36
11	461	17.79	58.4		80.80
12	475	16.45	52.5		81.59
13	488	17.86	55.5		82.33
14	522	23.75	69.0		84.06
15	547	13.69	37.9		85.26
16	570	10.60	28.2		86.37
17	605	12.14	30.4		87.94
18	667	23.95	54.4		89.96
19	778	18.75	36.5		92.14
20	910	22.54	37.5		94.00
21	1,066	15.56	22.1		95.69
22	1,261	22.24	26.7		96.92
23	1,371	25.37	28.0		97.62
24	1,468	26.47	27.3		98.24
25	1,694	13.46	12.0		99.68

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-12-20\2016-12-20_001.xad


Created: 12/20/2016 10:53:06 AM
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Electropherogram Summary Continued ...

... Peak table for sample 1 : HU RNAP ChIP

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	1,798	14.18	11.9		100.34
27	1,889	19.79	15.9		100.92
28	2,074	8.83	6.4		101.87
29	2,279	22.47	14.9		102.53
30	2,905	4.18	2.2		104.55
31	 10,380	75.00	10.9	Upper Marker	113.00

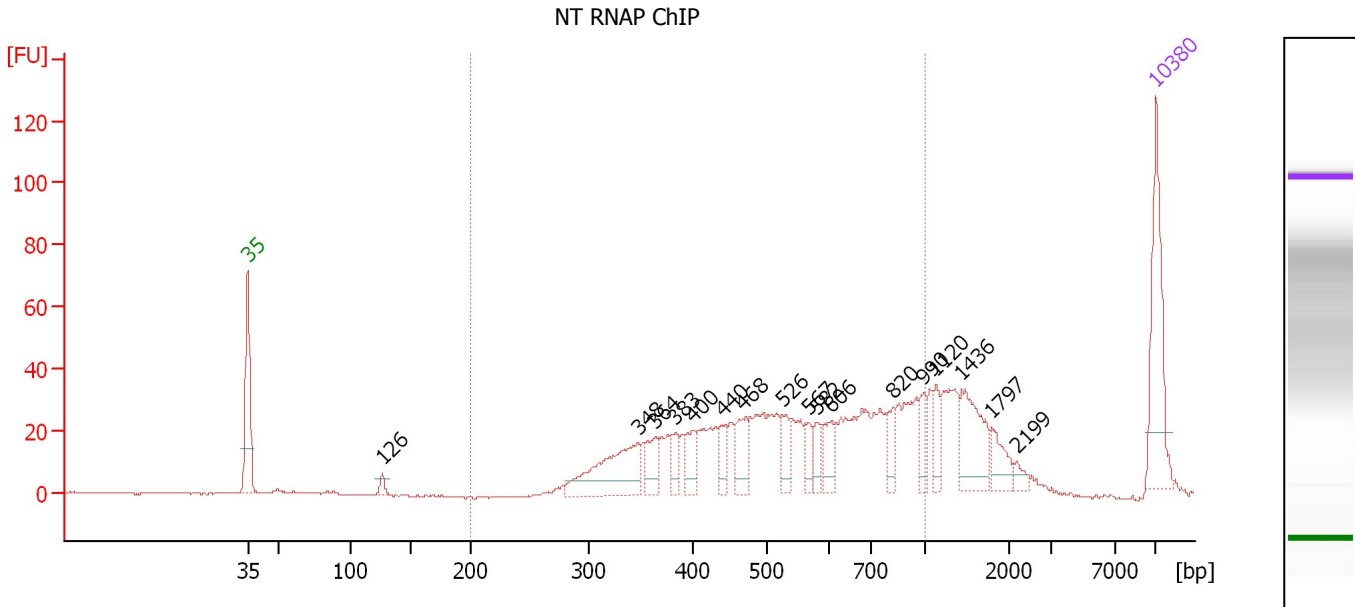
Region table for sample 1 : HU RNAP ChIP

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	538	546.5	2,261.7	 667.13	70	36.7

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-12-20\2016-12-20_001.xad

Created: 12/20/2016 10:53:06 AM
 Modified: 12/20/2016 11:44:58 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 : NT RNAP ChIP

Number of peaks found: 17 Corr. Area 1: 700.2
 Noise: 0.2

Peak table for sample 2 : NT RNAP ChIP

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	126	8.60	103.1		53.36
3	348	101.96	444.5		73.09
4	364	30.22	125.8		74.40
5	383	20.83	82.3		75.97
6	400	24.21	91.7		77.32
7	440	20.55	70.7		79.62
8	468	31.29	101.4		81.19
9	526	23.91	68.9		84.27
10	567	15.62	41.8		86.20
11	582	17.48	45.5		86.94
12	606	26.78	67.0		87.97
13	820	21.23	39.2		92.74
14	990	18.95	29.0		95.12
15	1,120	19.48	26.4		96.02
16	1,436	56.40	59.5		98.04
17	1,797	21.68	18.3		100.34
18	2,199	7.09	4.9		102.27
19	10,380	75.00	10.9	Upper Marker	113.00

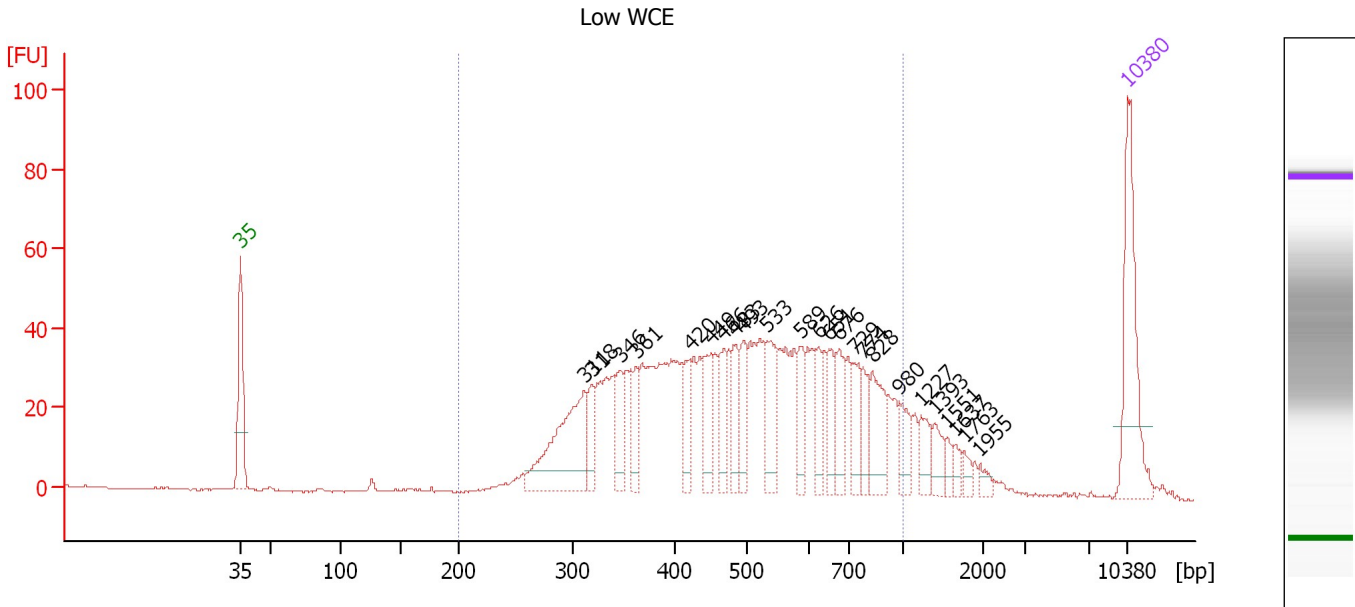
Region table for sample 2 : NT RNAP ChIP

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	559	700.2	2,333.5	744.72	77	33.0

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-12-20\2016-12-20_001.xad

Created: 12/20/2016 10:53:06 AM
 Modified: 12/20/2016 11:44:58 AM

Electropherogram Summary Continued ...



Overall Results for sample 3 : Low WCE

Number of peaks found: 24 Corr. Area 1: 1,155.8
 Noise: 0.2


Peak table for sample 3 : Low WCE

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	311	127.39	621.5		70.11
3	318	27.49	130.8		70.74
4	346	37.90	165.9		72.97
5	361	35.82	150.3		74.19
6	420	34.42	124.2		78.44
7	449	39.43	133.0		80.13
8	466	33.62	109.3		81.09
9	483	34.32	107.6		82.06
10	493	32.67	100.3		82.65
11	533	51.59	146.7		84.59
12	589	27.66	71.2		87.24
13	626	25.45	61.6		88.63
14	651	25.04	58.3		89.43
15	676	31.93	71.5		90.27
16	729	28.92	60.1		91.45
17	774	22.19	43.5		92.08
18	828	42.71	78.2		92.84
19	980	21.94	33.9		94.98
20	1,227	17.40	21.5		96.71
21	1,393	15.87	17.3		97.76
22	1,551	7.26	7.1		98.77
23	1,637	6.79	6.3		99.32
24	1,763	6.45	5.5		100.12
25	1,955	5.99	4.6		101.34


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2016-12-20\2016-12-20_001.xad

Created: 12/20/2016 10:53:06 AM
Modified: 12/20/2016 11:44:58 AM

Electropherogram Summary Continued ...**... Peak table for sample 3 : Low WCE**

Peak	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	 10,380	75.00	10.9	Upper Marker	113.00

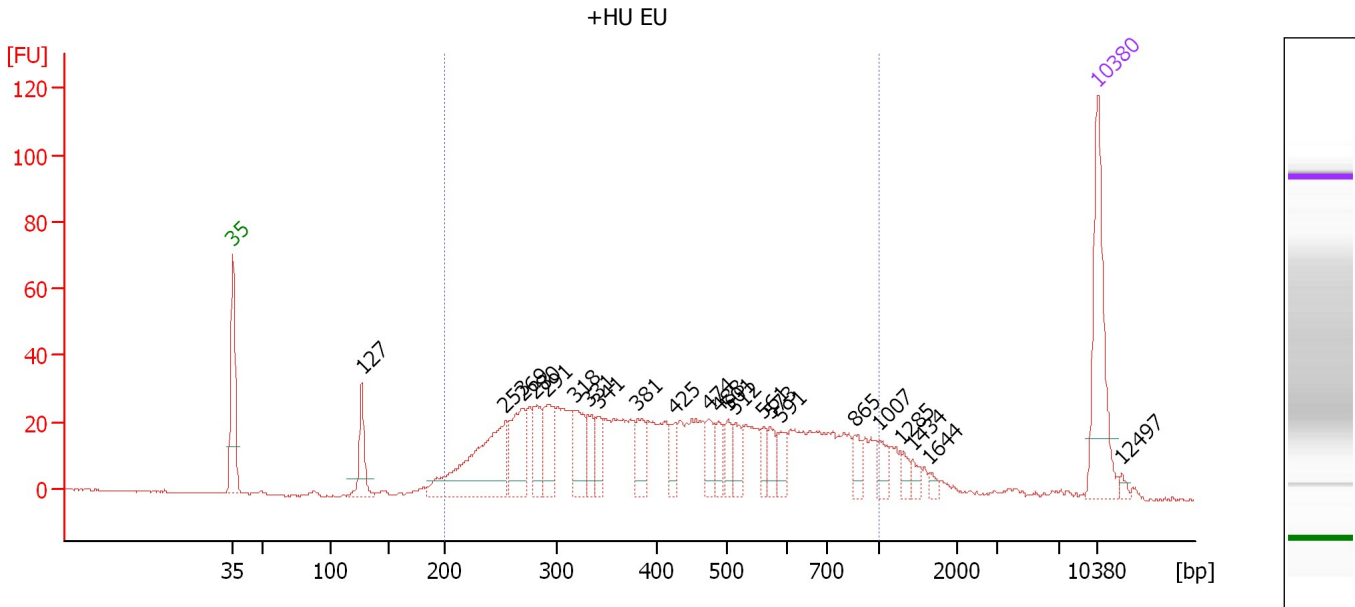
Region table for sample 3 : Low WCE

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/ μ l]	% of Total	Size distribution in CV [%]
200	1,000	511	1,155.8	4,407.2	 1,280.86	90	33.4

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-12-20\2016-12-20_001.xad

Created: 12/20/2016 10:53:06 AM
 Modified: 12/20/2016 11:44:58 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : +HU EU

Number of peaks found: 23 Corr. Area 1: 955.2
 Noise: 0.2

Peak table for sample 4 : +HU EU

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	127	45.54	542.2		53.44
3	253	144.87	866.5		65.01
4	269	61.84	348.3		66.43
5	280	36.74	198.6		67.47
6	291	44.17	229.7		68.46
7	318	43.66	208.0		70.71
8	331	24.48	112.1		71.74
9	341	21.77	96.7		72.56
10	381	28.79	114.6		75.76
11	425	17.38	62.0		78.73
12	474	19.73	63.1		81.54
13	488	20.19	62.7		82.32
14	501	17.76	53.7		83.09
15	512	20.31	60.1		83.61
16	561	12.99	35.1		85.94
17	573	16.19	42.8		86.50
18	591	16.25	41.7		87.36
19	865	13.65	23.9		93.36
20	1,007	13.84	20.8		95.31
21	1,285	8.33	9.8		97.08
22	1,434	7.58	8.0		98.02
23	1,644	4.53	4.2		99.36
24	10,380	75.00	10.9	Upper Marker	113.00
25	12,497	0.00	0.0		114.94

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2016-12-20\2016-12-20_001.xad

Created: 12/20/2016 10:53:06 AM
Modified: 12/20/2016 11:44:58 AM

Electropherogram Summary Continued ...

... Region table for sample 4 :

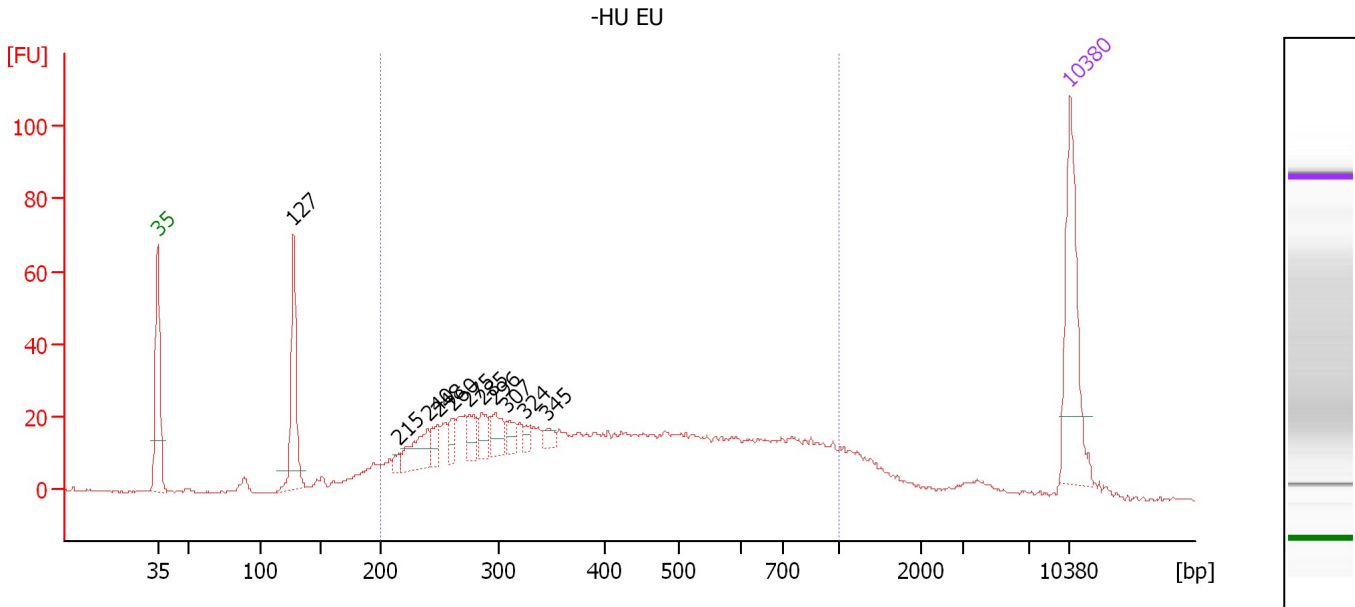
+HU EU

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	452	955.2	4,142.6	■ 1,000.06	88	40.8

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-12-20\2016-12-20_001.xad

Created: 12/20/2016 10:53:06 AM
 Modified: 12/20/2016 11:44:58 AM

Electropherogram Summary Continued ...



Overall Results for sample 5 : -HU EU

Number of peaks found: 11 Corr. Area 1: 785.0
 Noise: 0.3

Peak table for sample 5 : -HU EU

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	127	98.69	1,177.1		53.42
3	215	7.53	53.0		61.55
4	240	37.40	236.6		63.76
5	248	16.01	97.9		64.51
6	260	14.10	82.2		65.61
7	275	19.09	105.4		66.94
8	285	18.95	100.7		67.91
9	296	22.95	117.3		68.92
10	307	12.02	59.4		69.81
11	324	7.06	33.0		71.22
12	345	8.39	36.8		72.90
13	10,380	75.00	10.9	Upper Marker	113.00

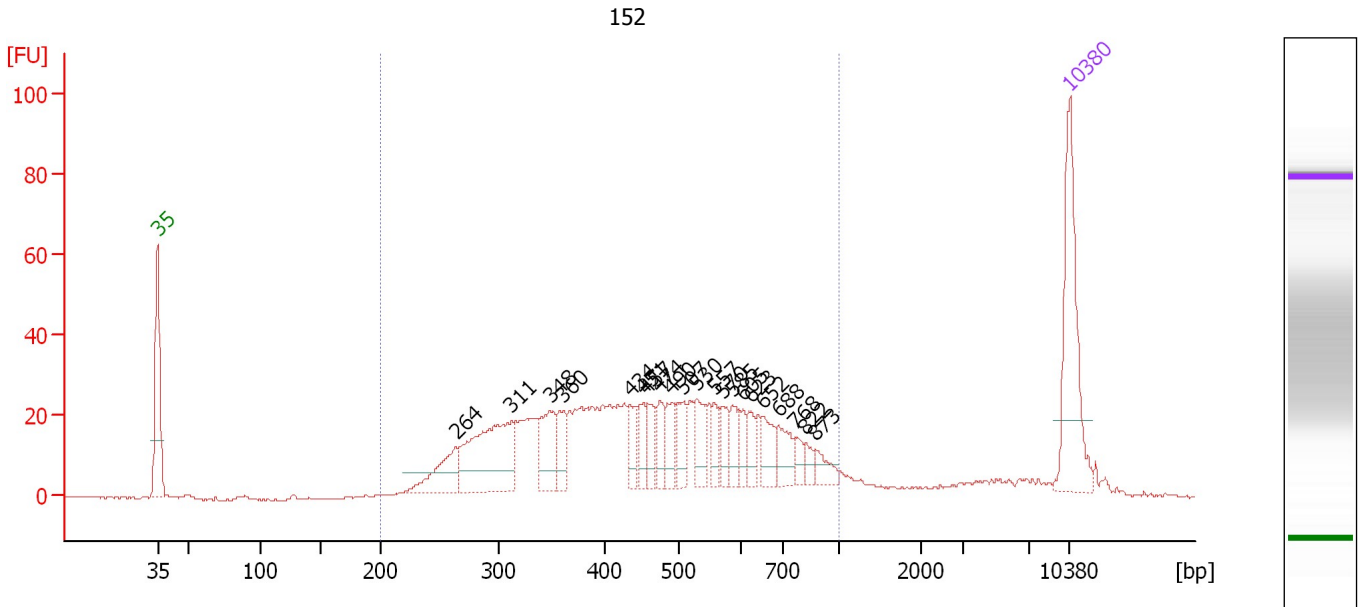
Region table for sample 5 : -HU EU

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	445	785.0	3,895.5	913.56	79	42.2

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-12-20\2016-12-20_001.xad

Created: 12/20/2016 10:53:06 AM
 Modified: 12/20/2016 11:44:58 AM

Electropherogram Summary Continued ...



Overall Results for sample 6 : 152

Number of peaks found: 21 Corr. Area 1: 765.3
 Noise: 0.2

Peak table for sample 6 : 152

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	264	42.92	246.7		65.94
3	311	112.46	547.1		70.18
4	348	41.56	181.1		73.11
5	360	23.40	98.5		74.10
6	434	19.61	68.4		79.28
7	451	16.91	56.8		80.23
8	457	19.29	63.9		80.59
9	474	19.36	61.9		81.54
10	490	19.13	59.2		82.44
11	507	21.38	63.9		83.34
12	530	25.47	72.8		84.47
13	557	15.78	42.9		85.73
14	570	16.06	42.7		86.36
15	585	18.57	48.1		87.08
16	605	12.51	31.3		87.94
17	623	14.08	34.2		88.52
18	652	20.80	48.3		89.47
19	688	21.91	48.3		90.64
20	768	9.76	19.3		92.00
21	822	7.48	13.8		92.76
22	873	12.53	21.7		93.48
23	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2016-12-20\2016-12-20_001.xad

Created: 12/20/2016 10:53:06 AM
Modified: 12/20/2016 11:44:58 AM

Electropherogram Summary Continued ...

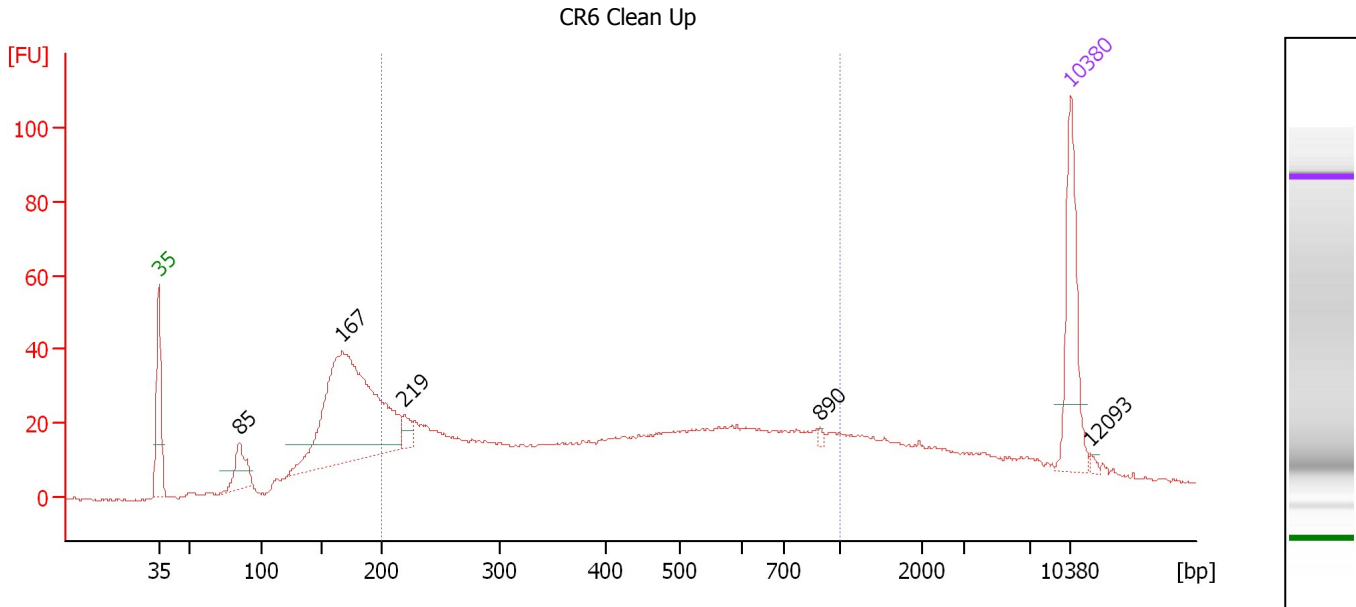
... Region table for sample 6 : 152

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	472	765.3	3,225.3	858.00	92	34.1

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-12-20\2016-12-20_001.xad

Created: 12/20/2016 10:53:06 AM
 Modified: 12/20/2016 11:44:58 AM

Electropherogram Summary Continued ...



Overall Results for sample 7 : CR6 Clean Up

Number of peaks found: 5 Corr. Area 1: 752.6
 Noise: 0.3

Peak table for sample 7 : CR6 Clean Up

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	85	47.03	841.8		49.20
3	167	402.48	3,658.3		57.10
4	219	15.34	106.3		61.86
5	890	2.99	5.1		93.72
6	10,380	75.00	10.9	Upper Marker	113.00
7	12,093	0.00	0.0		114.57

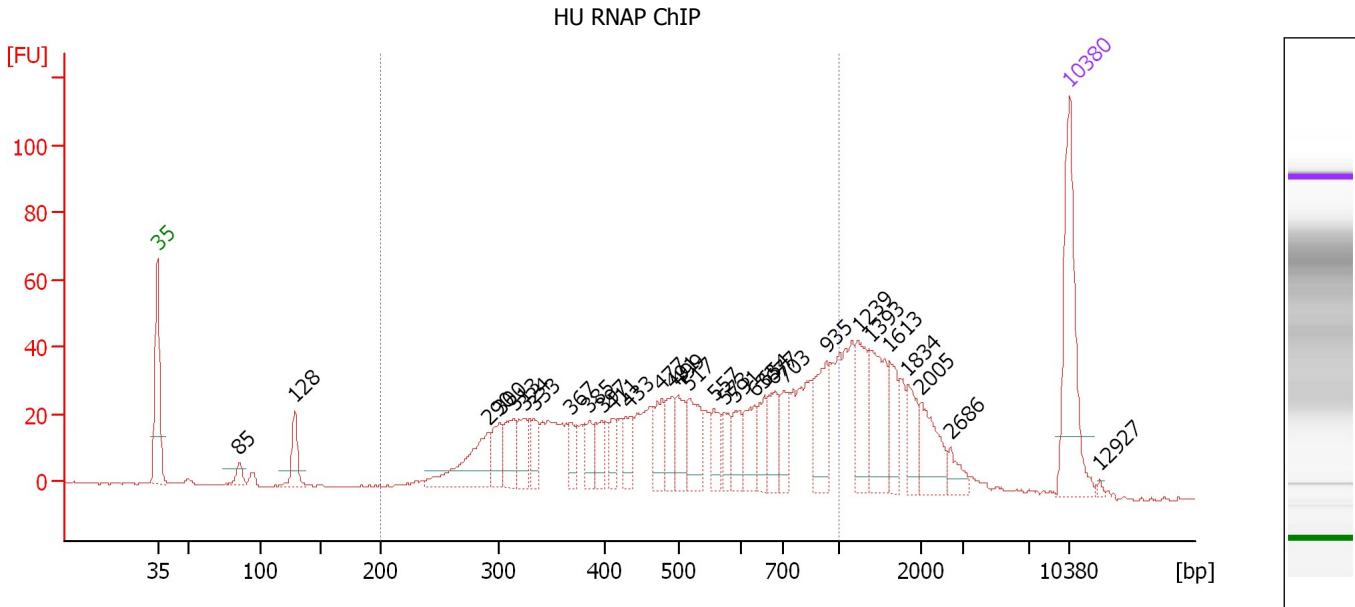
Region table for sample 7 : CR6 Clean Up

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	455	752.6	4,290.0	982.48	56	44.0

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-12-20\2016-12-20_001.xad

Created: 12/20/2016 10:53:06 AM
 Modified: 12/20/2016 11:44:58 AM

Electropherogram Summary Continued ...



Overall Results for sample 8 : HU RNAP ChIP

Number of peaks found: 31 Corr. Area 1: 839.1
 Noise: 0.2

Peak table for sample 8 : HU RNAP ChIP

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	85	12.77	227.0		49.26
3	128	30.48	360.7		53.51
4	290	63.75	332.7		68.37
5	300	29.01	146.5		69.26
6	313	32.02	154.8		70.34
7	324	29.17	136.5		71.18
8	333	18.35	83.5		71.93
9	367	19.76	81.5		74.68
10	385	17.13	67.4		76.13
11	397	20.43	77.9		77.11
12	411	16.16	59.5		77.95
13	433	22.72	79.4		79.21
14	477	26.47	84.1		81.69
15	491	23.11	71.4		82.49
16	499	27.40	83.2		82.95
17	517	39.37	115.3		83.84
18	557	20.41	55.6		85.71
19	573	18.45	48.8		86.50
20	591	20.57	52.8		87.35
21	633	27.34	65.5		88.84
22	654	22.21	51.4		89.54
23	677	26.92	60.3		90.29
24	703	23.01	49.6		91.08
25	935	43.04	69.7		94.36

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-12-20\2016-12-20_001.xad

Created: 12/20/2016 10:53:06 AM
 Modified: 12/20/2016 11:44:58 AM

Electropherogram Summary Continued ...

... Peak table for sample 8 : HU RNAP ChIP

Peak	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	1,239	37.59	46.0		96.79
27	1,393	49.18	53.5		97.77
28	1,613	24.20	22.7		99.17
29	1,834	20.78	17.2		100.57
30	2,005	32.12	24.3		101.64
31	2,686	11.12	6.3		103.84
32	10,380	75.00	10.9	Upper Marker	113.00
33	12,927	0.00	0.0		115.34

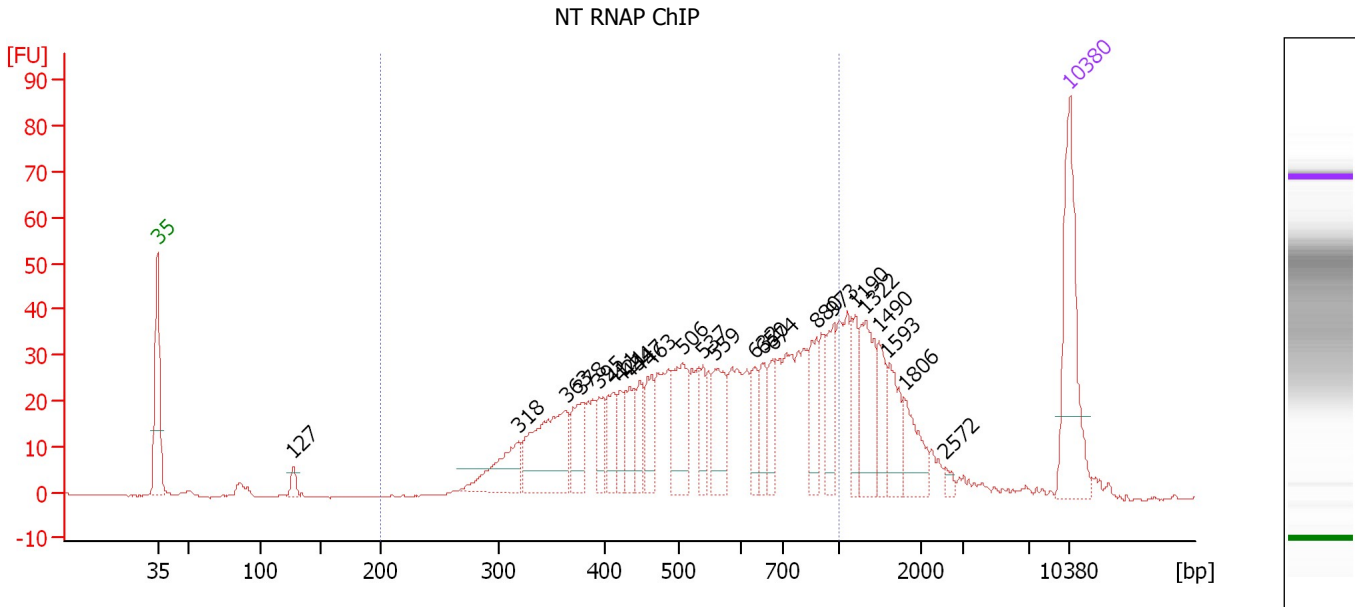
Region table for sample 8 : HU RNAP ChIP

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/ μ l]	% of Total	Size distribution in CV [%]
200	1,000	539	839.1	2,820.7	830.45	71	36.8

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-12-20\2016-12-20_001.xad

Created: 12/20/2016 10:53:06 AM
 Modified: 12/20/2016 11:44:58 AM

Electropherogram Summary Continued ...



Overall Results for sample 9 : NT RNAP ChIP

Number of peaks found: 24 Corr. Area 1: 778.4
 Noise: 0.2

Peak table for sample 9 : NT RNAP ChIP

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	127	9.65	115.2		53.41
3	318	47.92	228.5		70.69
4	363	93.60	390.7		74.33
5	378	35.13	140.8		75.55
6	395	19.97	76.6		76.90
7	411	26.60	98.1		77.93
8	421	20.83	74.9		78.54
9	434	29.42	102.8		79.24
10	447	21.91	74.3		79.98
11	463	29.70	97.2		80.92
12	506	53.89	161.4		83.30
13	537	22.71	64.1		84.79
14	559	41.83	113.4		85.82
15	632	21.04	50.5		88.81
16	650	21.49	50.1		89.42
17	674	22.20	49.9		90.21
18	880	30.14	51.9		93.57
19	973	30.98	48.2		94.88
20	1,190	23.86	30.4		96.47
21	1,322	50.17	57.5		97.31
22	1,490	22.75	23.1		98.38
23	1,593	29.32	27.9		99.04
24	1,806	26.93	22.6		100.39
25	2,572	3.78	2.2		103.47

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-12-20\2016-12-20_001.xad

Created: 12/20/2016 10:53:06 AM
 Modified: 12/20/2016 11:44:58 AM

Electropherogram Summary Continued ...

... Peak table for sample 9 : NT RNAP ChIP

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	10,380	75.00	10.9	Upper Marker	113.00

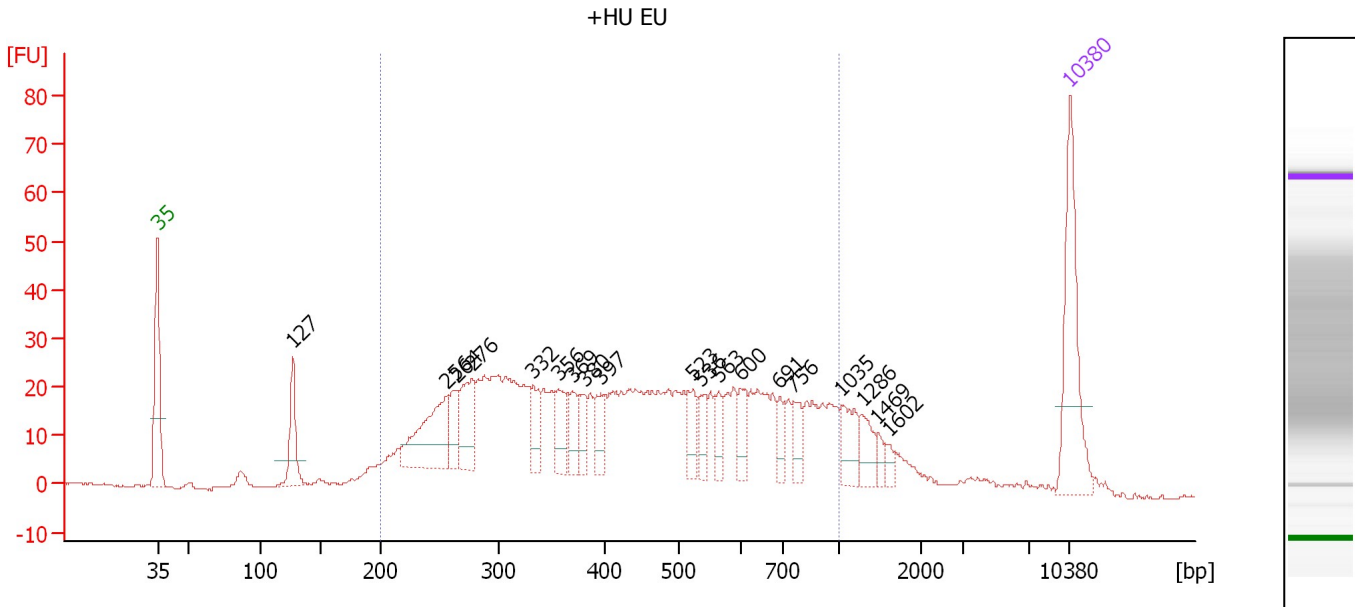
Region table for sample 9 : NT RNAP ChIP

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	565	778.4	2,853.1	919.60	76	32.8

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-12-20\2016-12-20_001.xad

Created: 12/20/2016 10:53:06 AM
 Modified: 12/20/2016 11:44:58 AM

Electropherogram Summary Continued ...



Overall Results for sample 10 : +HU EU

Number of peaks found: 19 Corr. Area 1: 867.5
 Noise: 0.2

Peak table for sample 10 : +HU EU

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	127	47.85	572.1		53.39
3	256	88.27	522.7		65.24
4	264	29.23	168.0		65.94
5	276	51.42	281.8		67.11
6	332	25.09	114.7		71.80
7	356	29.58	125.9		73.76
8	369	20.82	85.6		74.79
9	380	19.94	79.4		75.73
10	397	23.27	88.9		77.04
11	523	23.95	69.4		84.11
12	536	18.93	53.6		84.72
13	563	16.06	43.2		86.03
14	600	19.90	50.3		87.76
15	691	14.80	32.4		90.76
16	756	18.12	36.3		91.84
17	1,035	26.15	38.3		95.49
18	1,286	19.46	22.9		97.08
19	1,469	6.73	6.9		98.25
20	1,602	6.22	5.9		99.09
21	10,380	75.00	10.9	Upper Marker	113.00

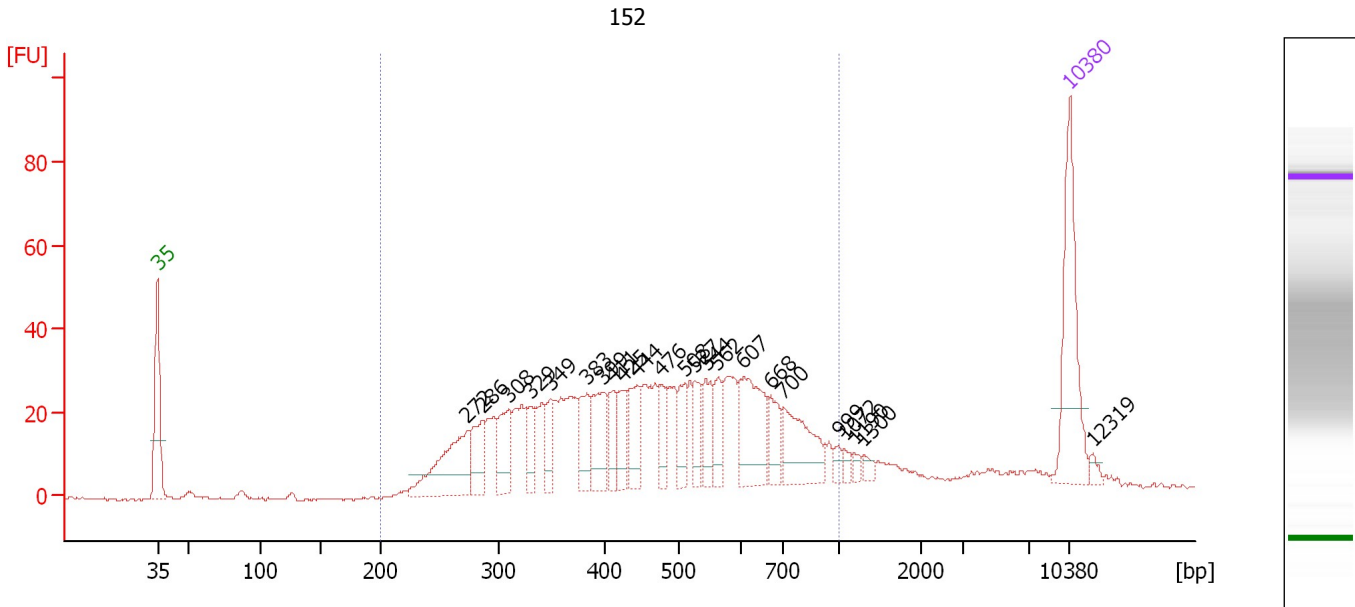
Region table for sample 10 : +HU EU

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	463	867.5	5,039.6	1,239.27	84	40.6

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-12-20\2016-12-20_001.xad

Created: 12/20/2016 10:53:06 AM
 Modified: 12/20/2016 11:44:58 AM

Electropherogram Summary Continued ...



Overall Results for sample 11 : 152

Number of peaks found: 23 Corr. Area 1: 825.8
 Noise: 0.3

Peak table for sample 11 : 152

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	272	85.35	474.9		66.74
3	286	37.78	200.3		67.96
4	308	40.03	196.7		69.92
5	329	22.82	105.0		71.61
6	349	23.31	101.2		73.20
7	383	36.19	143.1		75.96
8	399	40.66	154.4		77.23
9	411	22.19	81.8		77.93
10	425	25.56	91.2		78.73
11	444	36.18	123.4		79.85
12	476	21.97	69.9		81.68
13	508	26.09	77.8		83.41
14	527	21.10	60.7		84.30
15	544	28.45	79.3		85.09
16	562	23.41	63.1		85.98
17	607	67.20	167.8		88.00
18	668	24.36	55.2		90.01
19	700	57.32	124.1		91.04
20	999	6.19	9.4		95.25
21	1,072	4.68	6.6		95.72
22	1,190	4.02	5.1		96.47
23	1,300	5.08	5.9		97.17
24	10,380	75.00	10.9	Upper Marker	113.00
25	12,319	0.00	0.0		114.78

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2016-12-20\2016-12-20_001.xad

Created: 12/20/2016 10:53:06 AM
Modified: 12/20/2016 11:44:58 AM

Electropherogram Summary Continued ...

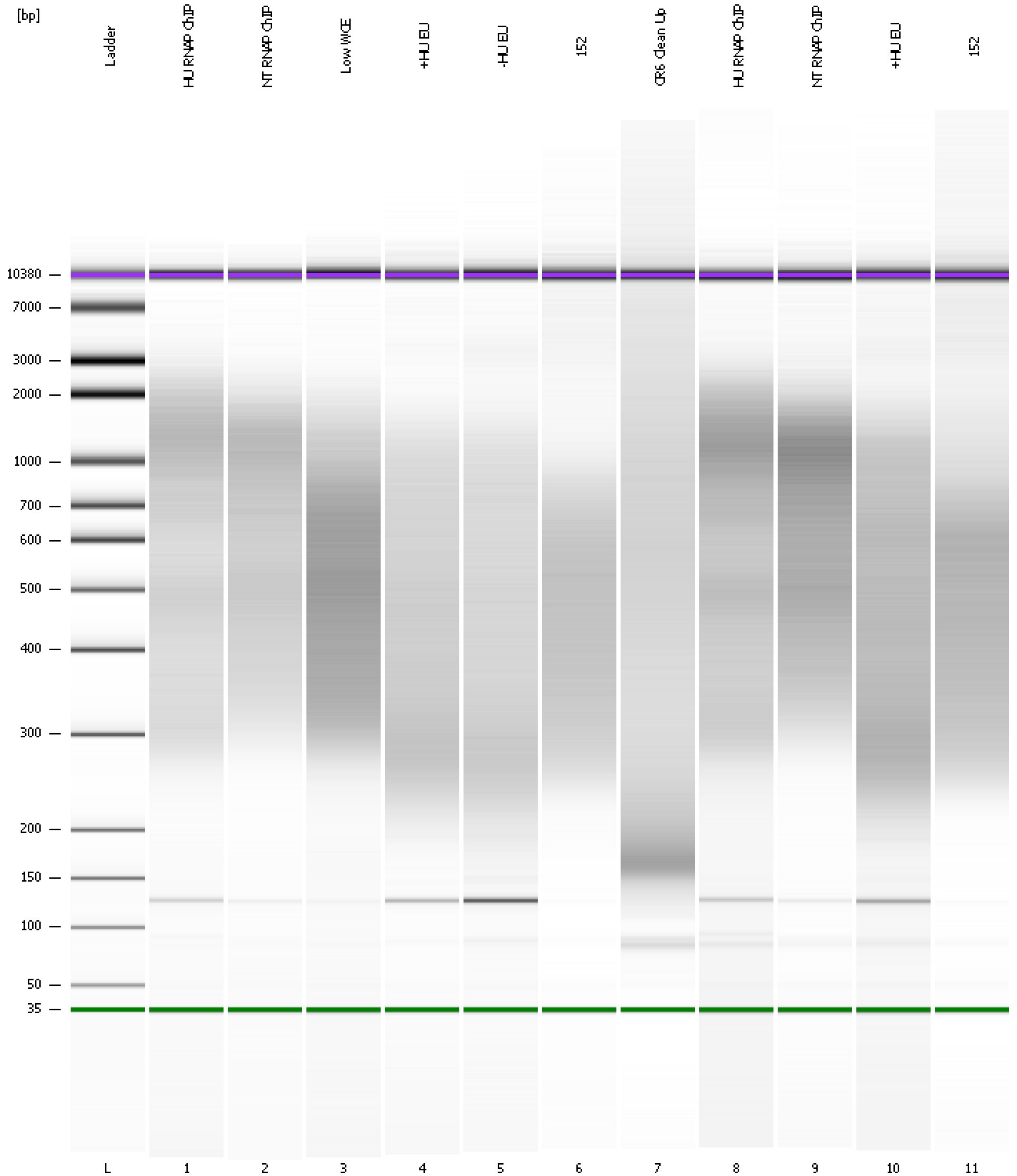
... Region table for sample 11 : 152

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	481	825.8	3,748.3	1,015.48	90	33.9

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2016-12-20\2016-12-20_001.xad

Created: 12/20/2016 10:53:06 AM
Modified: 12/20/2016 11:44:58 AM

Gel Image



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-12-20\2016-12-20_001.xad

Created: 12/20/2016 10:53:06 AM
 Modified: 12/20/2016 11:44:58 AM

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		12/20/2016 11:34:23 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\data\2016-12-20\2016-12-20_001.xad)		Instrument	Run		12/20/2016 10:53:11 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		12/20/2016 10:53:11 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		12/20/2016 10:53:11 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		12/20/2016 10:53:11 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		12/20/2016 10:53:11 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		12/20/2016 10:53:11 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		12/20/2016 10:53:11 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1