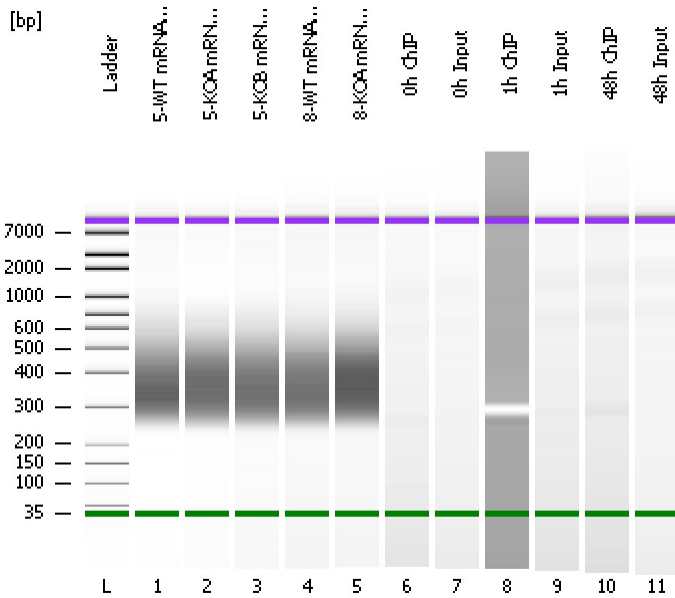


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-18\2014-02-18\_003.xad

Created: 2/18/2014 4:54:28 PM  
Modified: 2/18/2014 5:46:33 PM

### 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

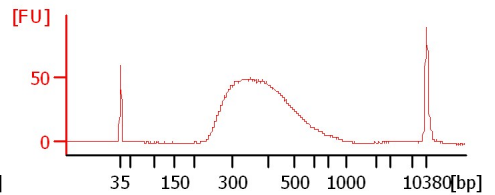
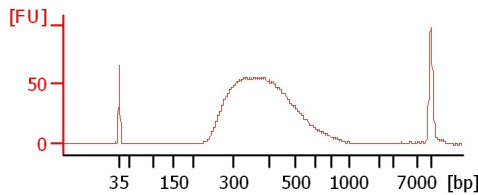
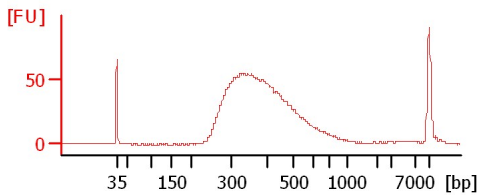
#### Chip Information:

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

5-WT mRNA Lib 1:18

5-KOA mRNA Lib 1:10

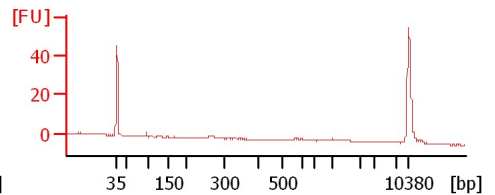
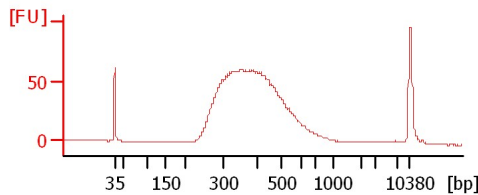
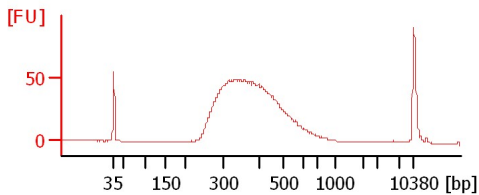
5-KOB mRNA Lib 1:13



8-WT mRNA Lib 1:11

8-KOA mRNA Lib 1:12

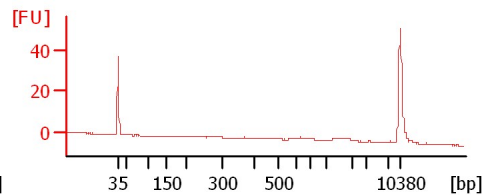
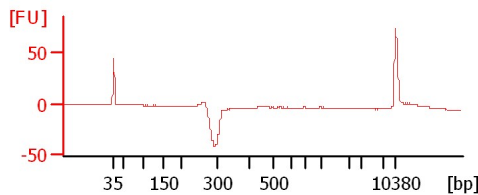
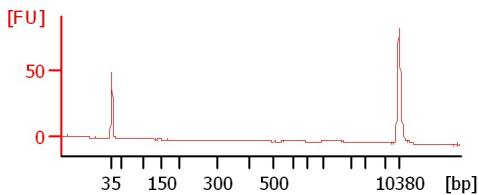
0h ChIP



0h Input

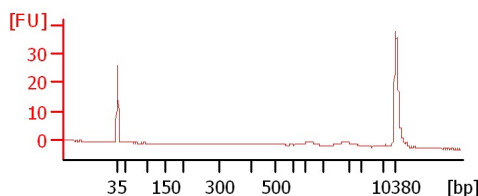
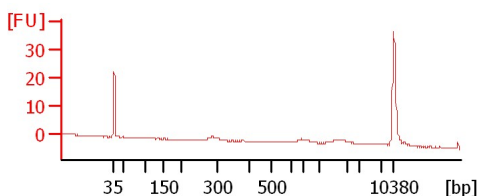
1h ChIP

1h Input



48h ChIP

48h Input



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-18\2014-02-18\_003.xad

Created: 2/18/2014 4:54:28 PM  
 Modified: 2/18/2014 5:46:33 PM

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

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
5-WT mRNA Lib 1:18		<input type="checkbox"/>	✓			
5-KOA mRNA Lib 1:10		<input type="checkbox"/>	✓			
5-KOB mRNA Lib 1:13		<input type="checkbox"/>	✓			
8-WT mRNA Lib 1:11		<input type="checkbox"/>	✓			
8-KOA mRNA Lib 1:12		<input type="checkbox"/>	✓			
0h ChIP		<input type="checkbox"/>	✓			
0h Input		<input type="checkbox"/>	✓			
1h ChIP		<input type="checkbox"/>	✓			
1h Input		<input type="checkbox"/>	✓			
48h ChIP		<input type="checkbox"/>	✓			
48h Input		<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

**Chip Lot #**

**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-18\2014-02-18\_003.xad

Created: 2/18/2014 4:54:28 PM  
Modified: 2/18/2014 5:46:33 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

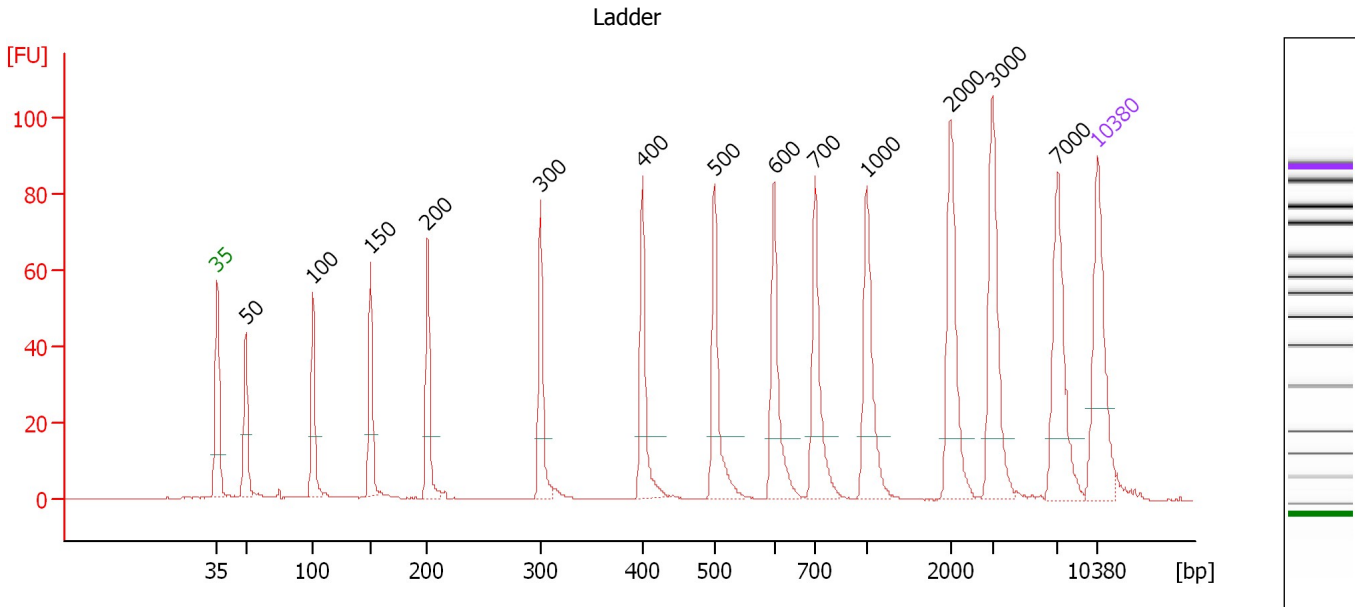
**Ladder**

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:\...ents and Settings\Bioanalyzer\2014-02-18\2014-02-18\_003.xad

Created: 2/18/2014 4:54:28 PM  
 Modified: 2/18/2014 5:46:33 PM

**Electropherogram Summary**



**Overall Results for Ladder**

Noise: 0.1

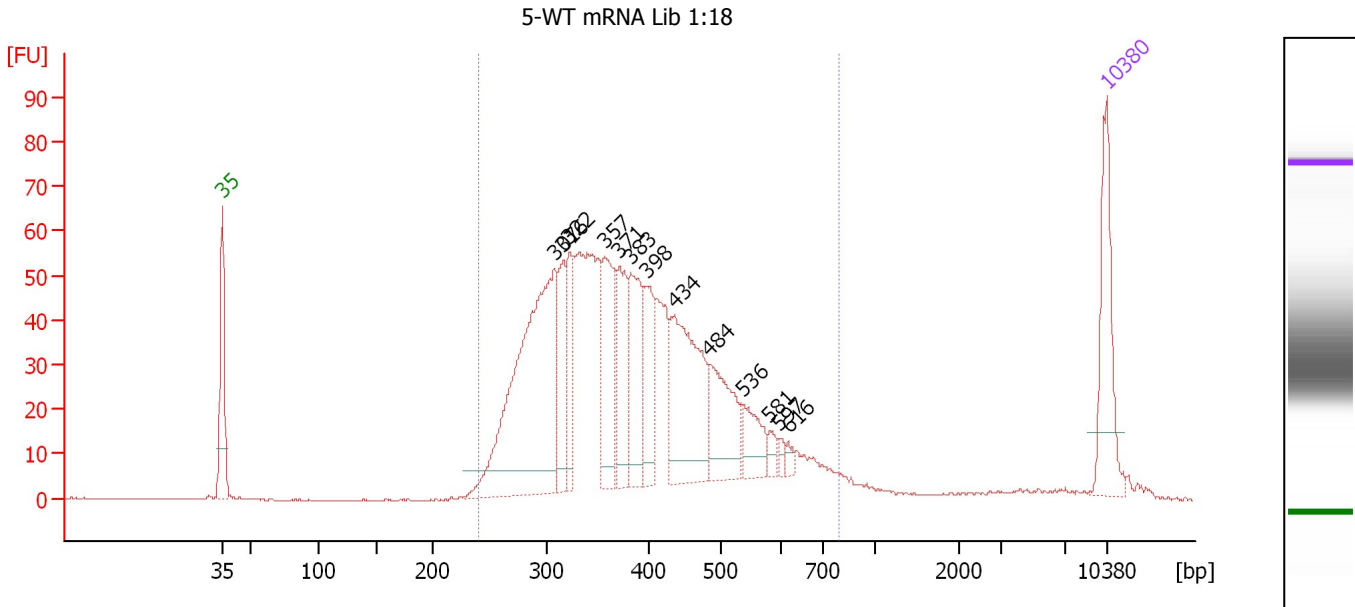
**Peak table for Ladder**

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	45.25	50	150.00	4,545.5	Ladder Peak
3	50.59	100	150.00	2,272.7	Ladder Peak
4	55.17	150	150.00	1,515.2	Ladder Peak
5	59.71	200	150.00	1,136.4	Ladder Peak
6	68.69	300	150.00	757.6	Ladder Peak
7	76.79	400	150.00	568.2	Ladder Peak
8	82.52	500	150.00	454.5	Ladder Peak
9	87.26	600	150.00	378.8	Ladder Peak
10	90.53	700	150.00	324.7	Ladder Peak
11	94.64	1,000	150.00	227.3	Ladder Peak
12	101.30	2,000	150.00	113.6	Ladder Peak
13	104.61	3,000	150.00	75.8	Ladder Peak
14	109.82	7,000	150.00	32.5	Ladder Peak
15	113.00	10,380	75.00	10.9	Upper Marker

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-18\2014-02-18\_003.xad

Created: 2/18/2014 4:54:28 PM  
 Modified: 2/18/2014 5:46:33 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : 5-WT mRNA Lib 1:18**

Number of peaks found: 13      Corr. Area 1: 1,279.8  
 Noise: 0.2

**Peak table for sample 1 : 5-WT mRNA Lib 1:18**

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	69.26	307	401.64	1,982.2	
3	70.02	316	74.90	358.7	
4	70.48	322	66.94	314.9	
5	73.27	357	114.34	485.9	
6	74.41	371	82.02	335.3	
7	75.38	383	106.25	420.8	
8	76.61	398	70.22	267.5	
9	78.76	434	175.05	610.6	
10	81.59	484	91.27	285.8	
11	84.25	536	42.40	119.7	
12	86.36	581	10.72	27.9	
13	87.12	597	6.28	15.9	
14	87.79	616	6.20	15.2	
15	113.00	10,380	75.00	10.9	Upper Marker

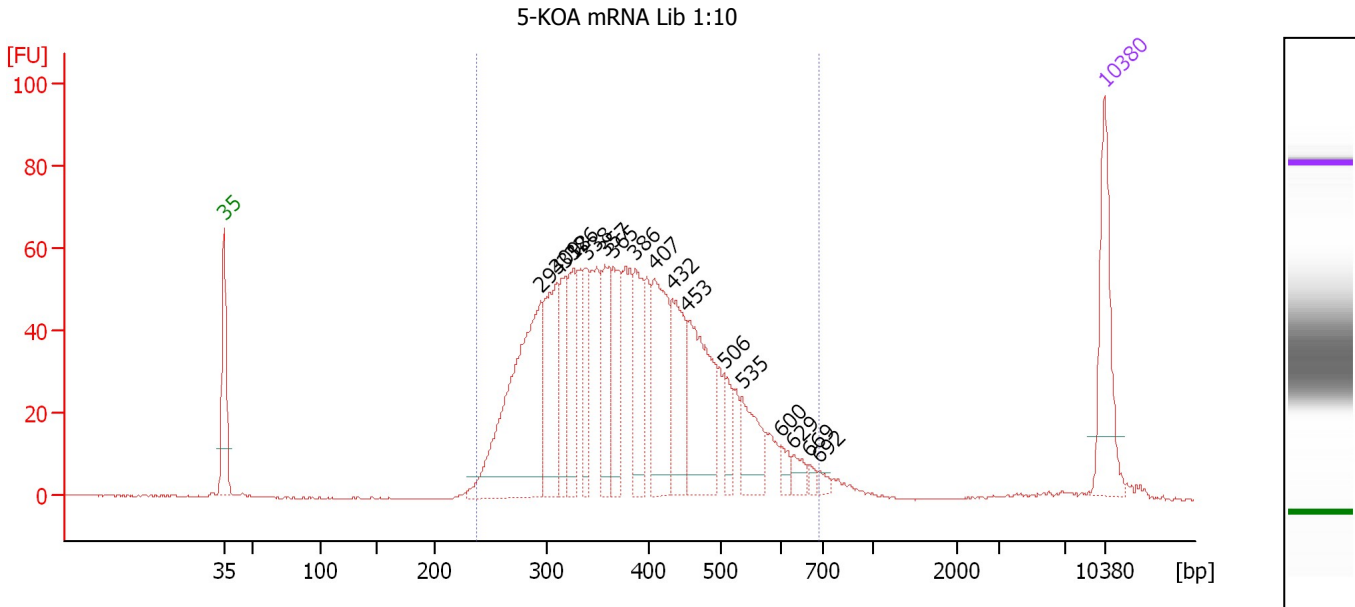
**Region table for sample 1 : 5-WT mRNA Lib 1:18**

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
239	790	395	7,339.0	1,764.98	1,279.8	96	25.3

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-18\2014-02-18\_003.xad

Created: 2/18/2014 4:54:28 PM  
 Modified: 2/18/2014 5:46:33 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : 5-KOA mRNA Lib 1:10**

Number of peaks found: 17      Corr. Area 1: 1,357.5  
 Noise: 0.2

**Peak table for sample 2 : 5-KOA mRNA Lib 1:10**

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	68.14	294	309.56	1,596.1	
3	69.46	309	126.33	618.6	
4	70.14	318	63.32	301.9	
5	70.77	326	77.91	362.5	
6	71.75	338	63.15	283.3	
7	73.27	357	77.78	330.5	
8	73.95	365	75.68	314.2	
9	75.65	386	82.33	323.3	
10	77.17	407	126.67	471.9	
11	78.61	432	93.97	329.7	
12	79.84	453	140.16	468.4	
13	82.81	506	29.92	89.6	
14	84.17	535	55.59	157.5	
15	87.26	600	11.85	29.9	
16	88.20	629	12.88	31.0	
17	89.51	669	5.72	12.9	
18	90.27	692	6.14	13.4	
19	113.00	10,380	75.00	10.9	Upper Marker

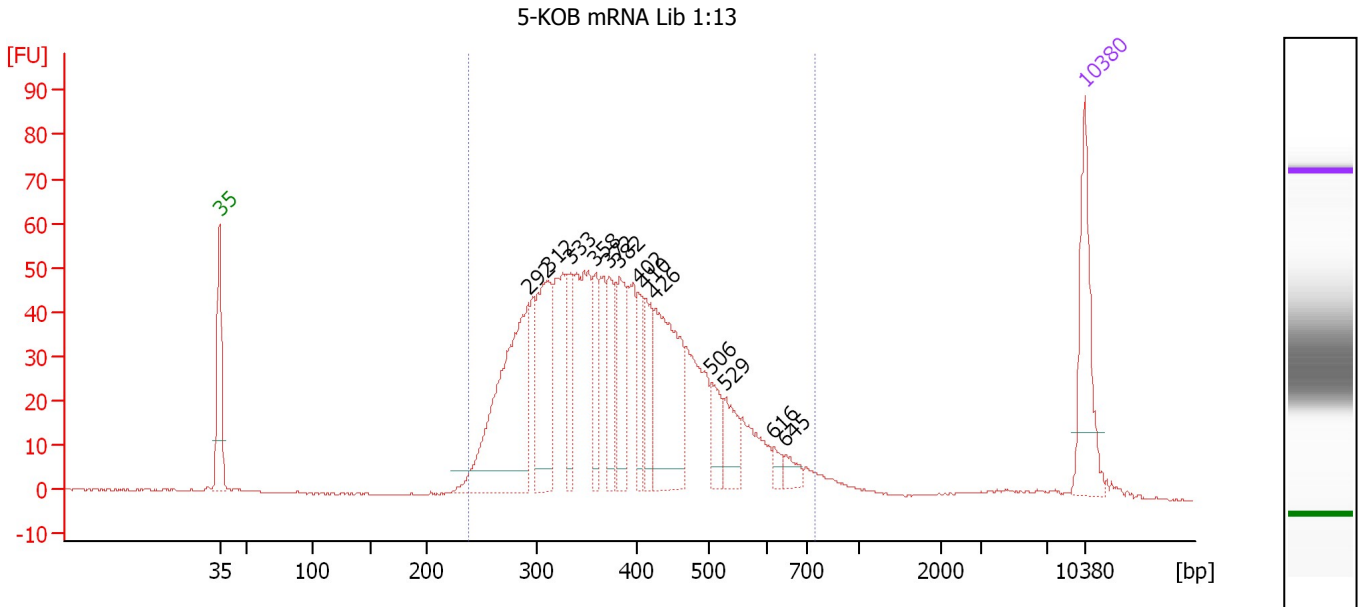
**Region table for sample 2 : 5-KOA mRNA Lib 1:10**

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
237	691	390	7,285.3	1,743.73	1,357.5	97	23.5

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-18\2014-02-18\_003.xad

Created: 2/18/2014 4:54:28 PM  
 Modified: 2/18/2014 5:46:33 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : 5-KOB mRNA Lib 1:13**

Number of peaks found: 13      Corr. Area 1: 1,211.4  
 Noise: 0.2

**Peak table for sample 3 : 5-KOB mRNA Lib 1:13**

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	67.96	292	282.25	1,465.6	
3	69.64	312	141.68	688.8	
4	71.36	333	62.37	283.8	
5	73.39	358	58.05	245.7	
6	74.51	372	62.96	256.6	
7	75.33	382	79.96	317.2	
8	76.92	402	44.57	167.9	
9	77.35	410	55.44	205.0	
10	78.26	426	166.45	592.5	
11	82.78	506	36.43	109.2	
12	83.91	529	39.95	114.4	
13	87.78	616	10.30	25.3	
14	88.73	645	13.29	31.2	
15	113.00	10,380	75.00	10.9	Upper Marker

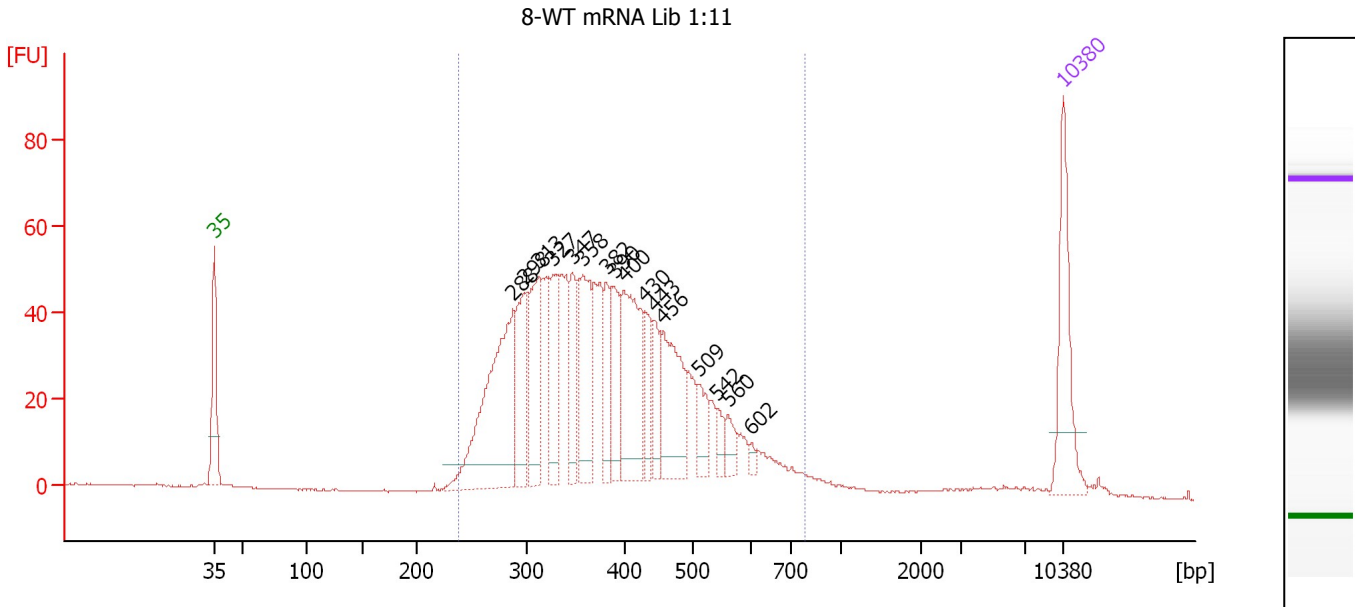
**Region table for sample 3 : 5-KOB mRNA Lib 1:13**

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
237	746	391	7,135.2	1,703.05	1,211.4	96	24.6

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-18\2014-02-18\_003.xad

Created: 2/18/2014 4:54:28 PM  
 Modified: 2/18/2014 5:46:33 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : 8-WT mRNA Lib 1:11**

Number of peaks found: 16      Corr. Area 1: 1,191.4  
 Noise: 0.2

**Peak table for sample 4 : 8-WT mRNA Lib 1:11**

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	67.62	288	249.55	1,312.4	
3	68.55	298	94.40	479.4	
4	69.73	313	115.77	560.7	
5	70.88	327	76.07	352.5	
6	72.50	347	54.92	239.8	
7	73.43	358	108.89	460.3	
8	75.36	382	47.96	190.1	
9	76.02	390	60.04	232.9	
10	76.81	400	140.03	529.9	
11	78.48	430	40.70	143.6	
12	79.28	443	37.48	128.1	
13	80.02	456	107.07	355.4	
14	82.92	509	30.83	91.9	
15	84.51	542	13.93	38.9	
16	85.39	560	18.29	49.4	
17	87.32	602	5.36	13.5	
18	113.00	10,380	75.00	10.9	Upper Marker

**Region table for sample 4 : 8-WT mRNA Lib 1:11**

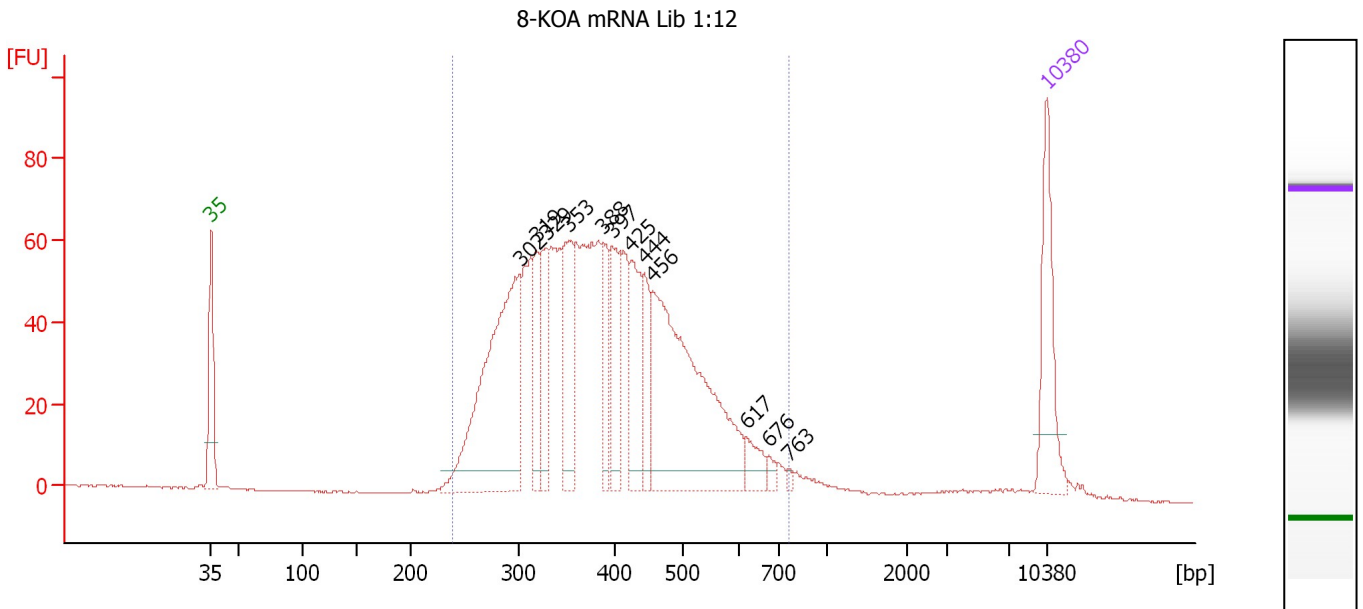
From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
238	786	391	6,899.1	1,646.57	1,191.4	98	24.5



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-18\2014-02-18\_003.xad

Created: 2/18/2014 4:54:28 PM  
 Modified: 2/18/2014 5:46:33 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : 8-KOA mRNA Lib 1:12**

Number of peaks found: 12      Corr. Area 1: 1,502.5  
 Noise: 0.2

**Peak table for sample 5 : 8-KOA mRNA Lib 1:12**

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	68.85	302	352.31	1,768.1	
3	70.23	319	63.95	303.7	
4	71.08	329	72.93	335.4	
5	73.00	353	108.76	466.6	
6	75.81	388	56.15	219.3	
7	76.57	397	79.09	301.6	
8	78.22	425	90.10	321.2	
9	79.29	444	58.71	200.5	
10	80.01	456	353.34	1,173.5	
11	87.82	617	23.30	57.2	
12	89.74	676	8.34	18.7	
13	91.39	763	3.84	7.6	
14	113.00	10,380	75.00	10.9	Upper Marker

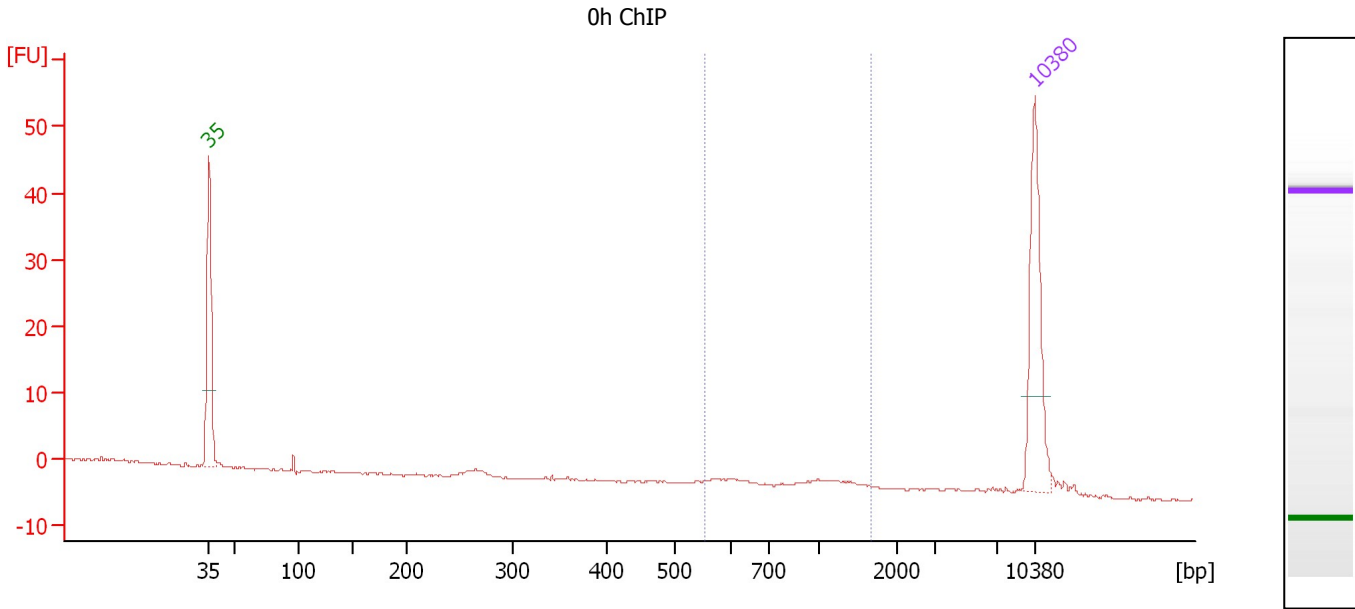
**Region table for sample 5 : 8-KOA mRNA Lib 1:12**

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
239	765	398	7,553.6	1,836.45	1,502.5	96	24.4

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-18\2014-02-18\_003.xad

Created: 2/18/2014 4:54:28 PM  
 Modified: 2/18/2014 5:46:33 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : 0h ChIP**

Number of peaks found: 0                      Corr. Area 1: 8.8  
 Noise: 0.1

**Peak table for sample 6 : 0h ChIP**

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	113.00	10,380	75.00	10.9	Upper Marker

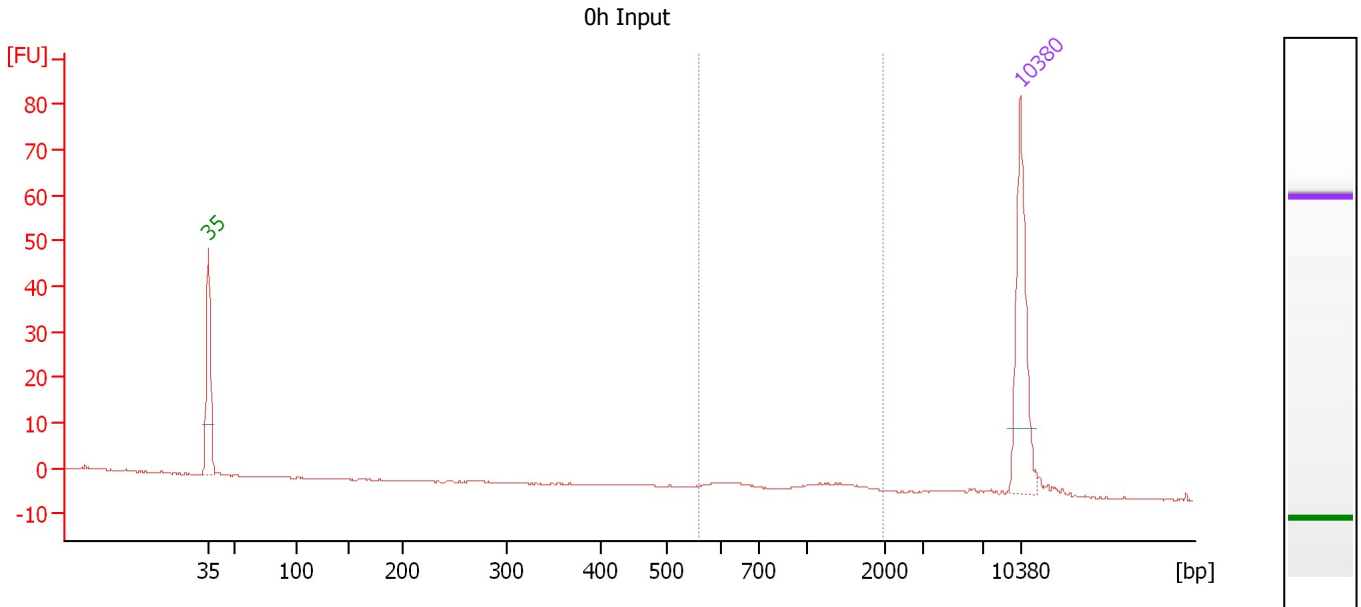
**Region table for sample 6 : 0h ChIP**

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
555	1,674	994	25.9	14.77	8.8	41	32.7

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-18\2014-02-18\_003.xad

Created: 2/18/2014 4:54:28 PM  
 Modified: 2/18/2014 5:46:33 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : 0h Input**

Number of peaks found: 0                      Corr. Area 1: 10.3  
 Noise: 0.1

**Peak table for sample 7 : 0h Input**

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	113.00	10,380	75.00	10.9	Upper Marker

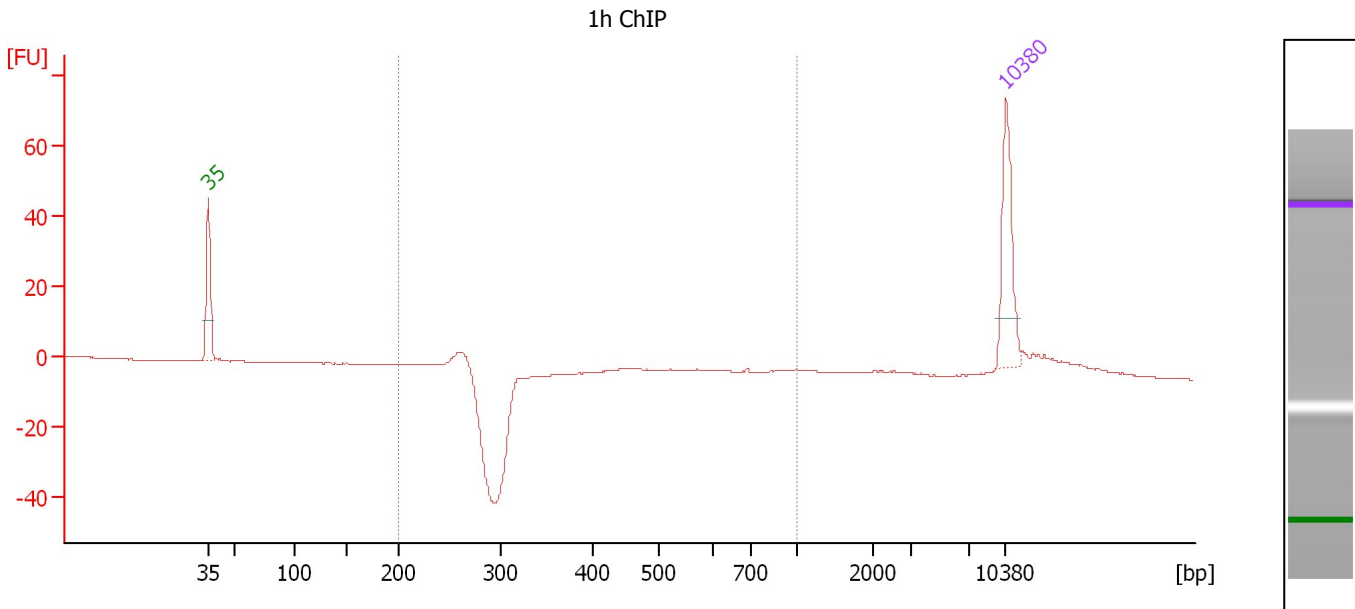
**Region table for sample 7 : 0h Input**

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
556	1,976	1,137	19.6	12.25	10.3	55	35.5

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-18\2014-02-18\_003.xad

Created: 2/18/2014 4:54:28 PM  
 Modified: 2/18/2014 5:46:33 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : 1h ChIP**

Number of peaks found: 0                      Corr. Area 1: 7.3  
 Noise: 0.1

**Peak table for sample 8 : 1h ChIP**

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	113.00	10,380	75.00	10.9	Upper Marker

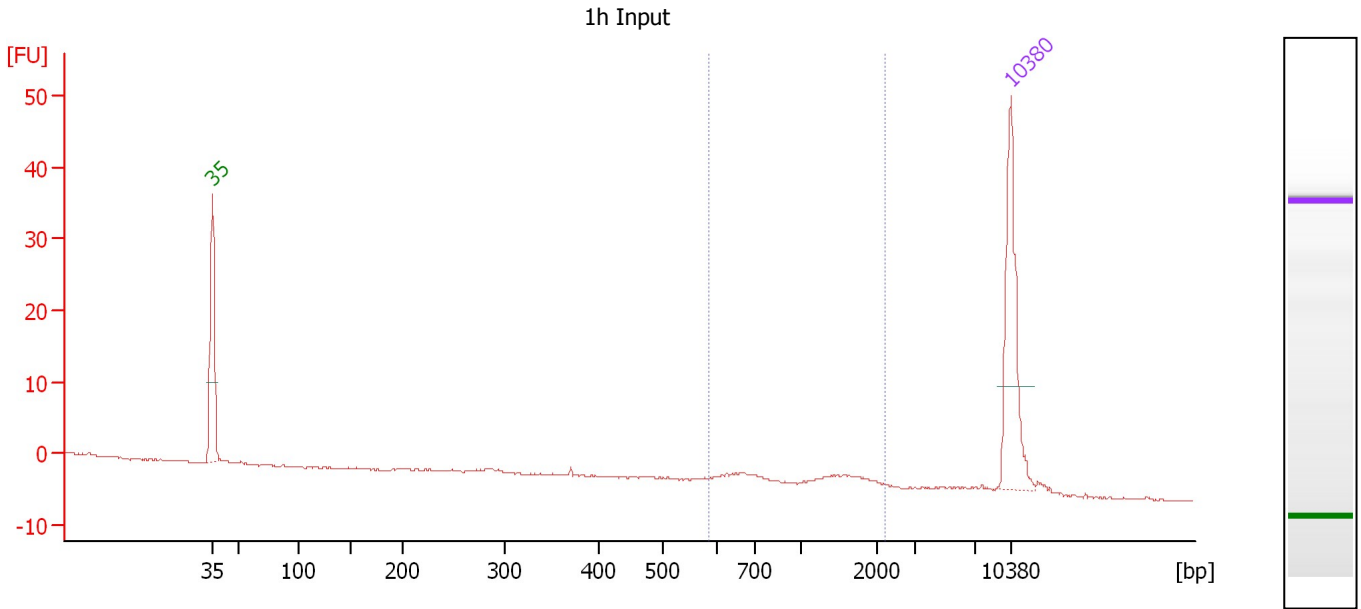
**Region table for sample 8 : 1h ChIP**

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
200	1,000	329	74.6	13.26	7.3	18	62.2

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-18\2014-02-18\_003.xad

Created: 2/18/2014 4:54:28 PM  
 Modified: 2/18/2014 5:46:33 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 9 : 1h Input**

Number of peaks found: 0                      Corr. Area 1: 13.9  
 Noise: 0.1

**Peak table for sample 9 : 1h Input**

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	113.00	10,380	75.00	10.9	Upper Marker

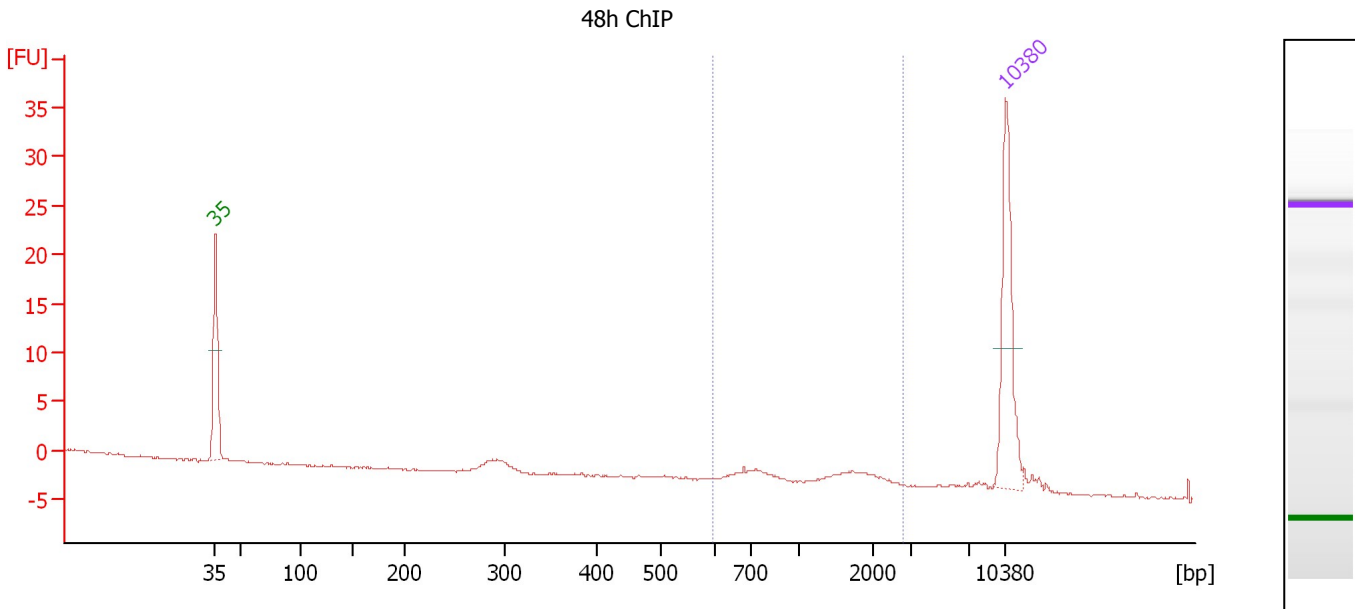
**Region table for sample 9 : 1h Input**

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
586	2,195	1,220	38.0	24.44	13.9	64	39.9

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-18\2014-02-18\_003.xad

Created: 2/18/2014 4:54:28 PM  
 Modified: 2/18/2014 5:46:33 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 10 : 48h ChIP**

Number of peaks found: 0                      Corr. Area 1: 0.1  
 Noise: 0.1

**Peak table for sample 10 : 48h ChIP**

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	113.00	10,380	75.00	10.9	Upper Marker

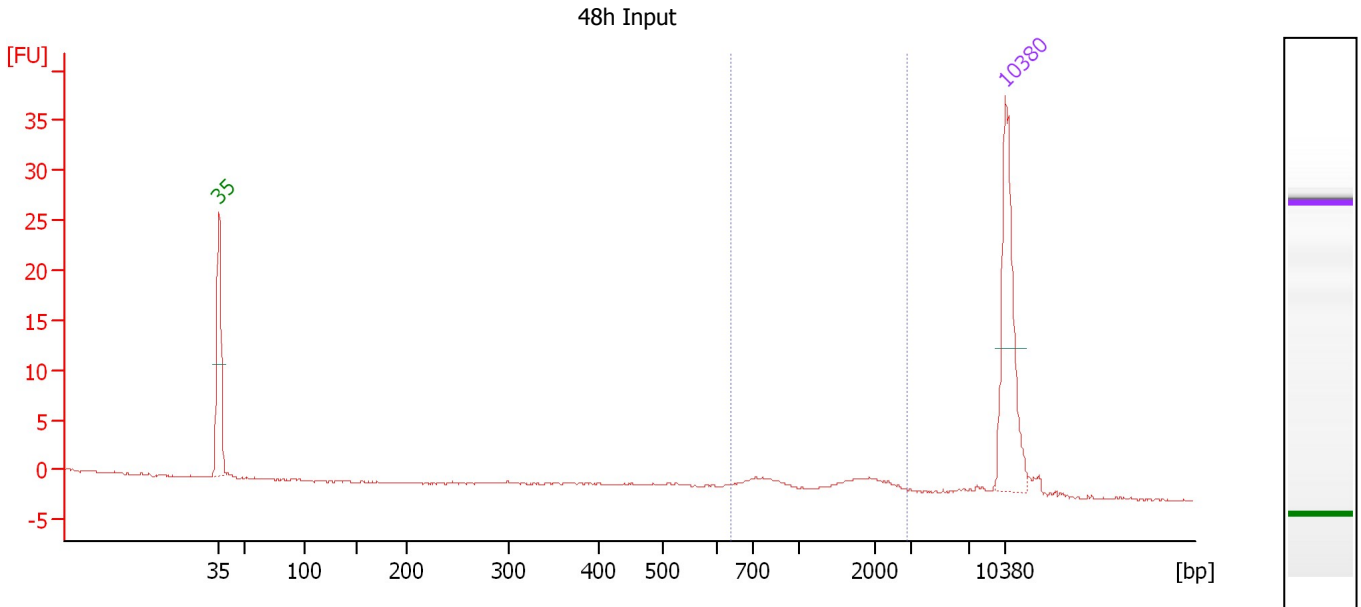
**Region table for sample 10 : 48h ChIP**

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
597	2,811	1,215	0.3	0.18	0.1	13	42.7

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-18\2014-02-18\_003.xad

Created: 2/18/2014 4:54:28 PM  
 Modified: 2/18/2014 5:46:33 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 11 : 48h Input**

Number of peaks found: 0                      Corr. Area 1: 12.1  
 Noise: 0.1

**Peak table for sample 11 : 48h Input**

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	113.00	10,380	75.00	10.9	Upper Marker

**Region table for sample 11 : 48h Input**

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
640	2,904	1,491	34.0	25.73	12.1	63	42.7

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-18\2014-02-18\_003.xad

Created: 2/18/2014 4:54:28 PM  
Modified: 2/18/2014 5:46:33 PM

**Gel Image**

