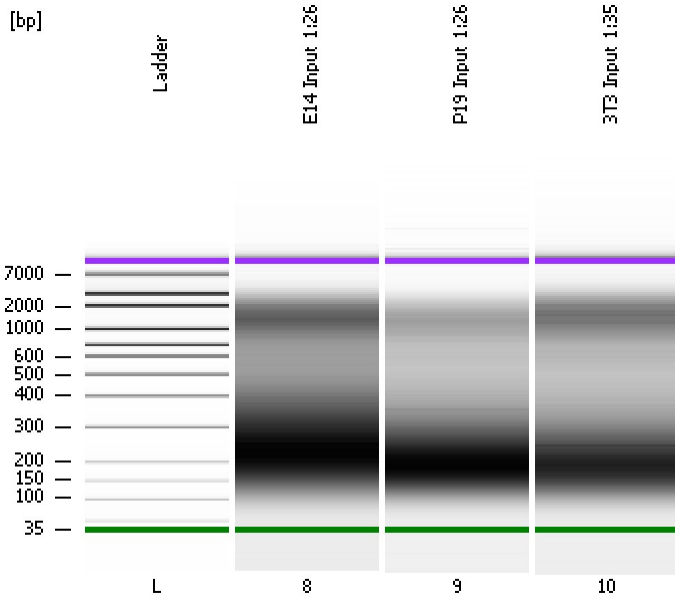


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...and Settings\Bioanalyzer\2013-09-30\2013-09-30_004_ChIP.xad

Created: 9/30/2013 1:13:14 PM
Modified: 10/1/2013 10:10:05 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

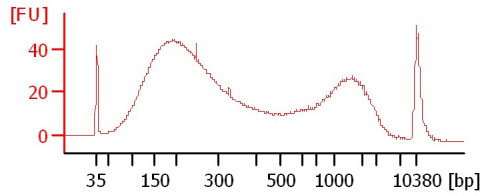
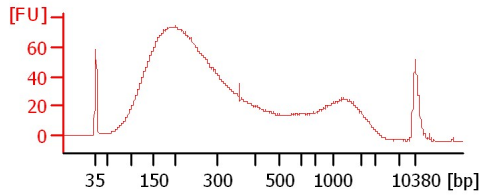
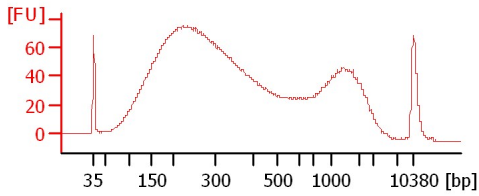
Chip Information:

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

E14 Input 1:26

P19 Input 1:26

3T3 Input 1:35



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...and Settings\Bioanalyzer\2013-09-30\2013-09-30_004_ChIP.xad

Created: 9/30/2013 1:13:14 PM
 Modified: 10/1/2013 10:10:05 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
E14 Input 1:26		<input type="checkbox"/>				
P19 Input 1:26		<input type="checkbox"/>				
3T3 Input 1:35		<input type="checkbox"/>				
Ladder		<input type="checkbox"/>				

Chip Lot # **Reagent Kit Lot #**

Chip Comments :

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...and Settings\Bioanalyzer\2013-09-30\2013-09-30_004_ChIP.xad

Created: 9/30/2013 1:13:14 PM
Modified: 10/1/2013 10:10:05 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

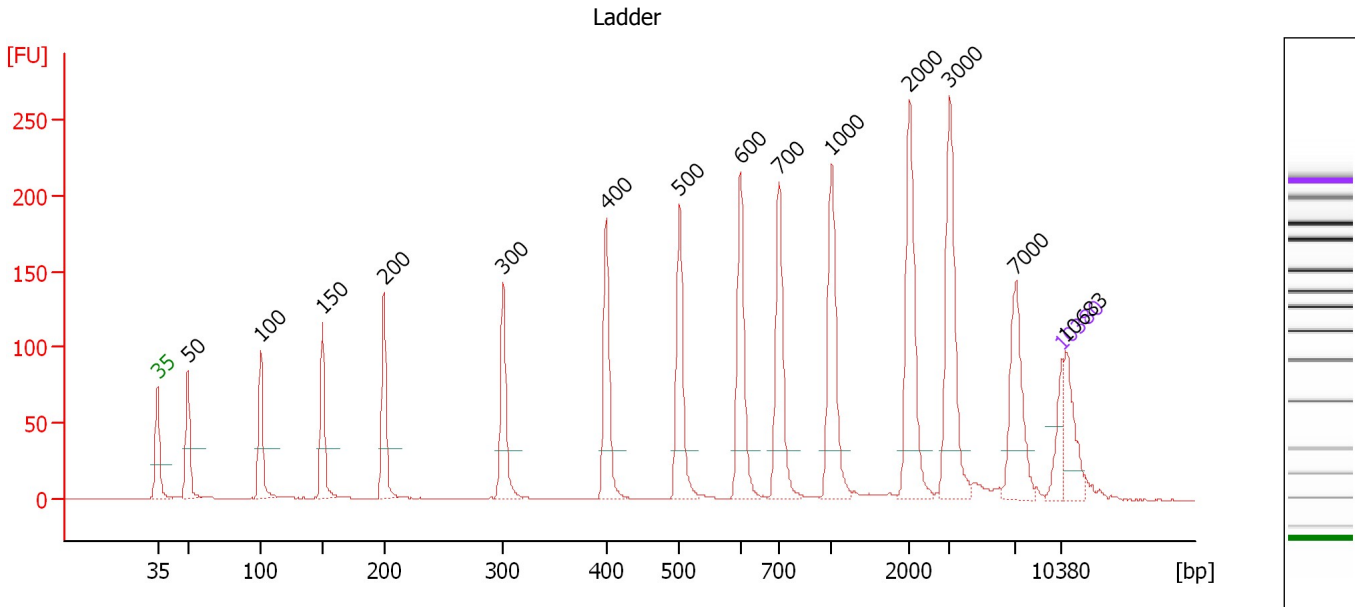
Ladder

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:\...and Settings\Bioanalyzer\2013-09-30\2013-09-30_004_ChIP.xad

Created: 9/30/2013 1:13:14 PM
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Electropherogram Summary



Overall Results for Ladder

Noise: 0.1

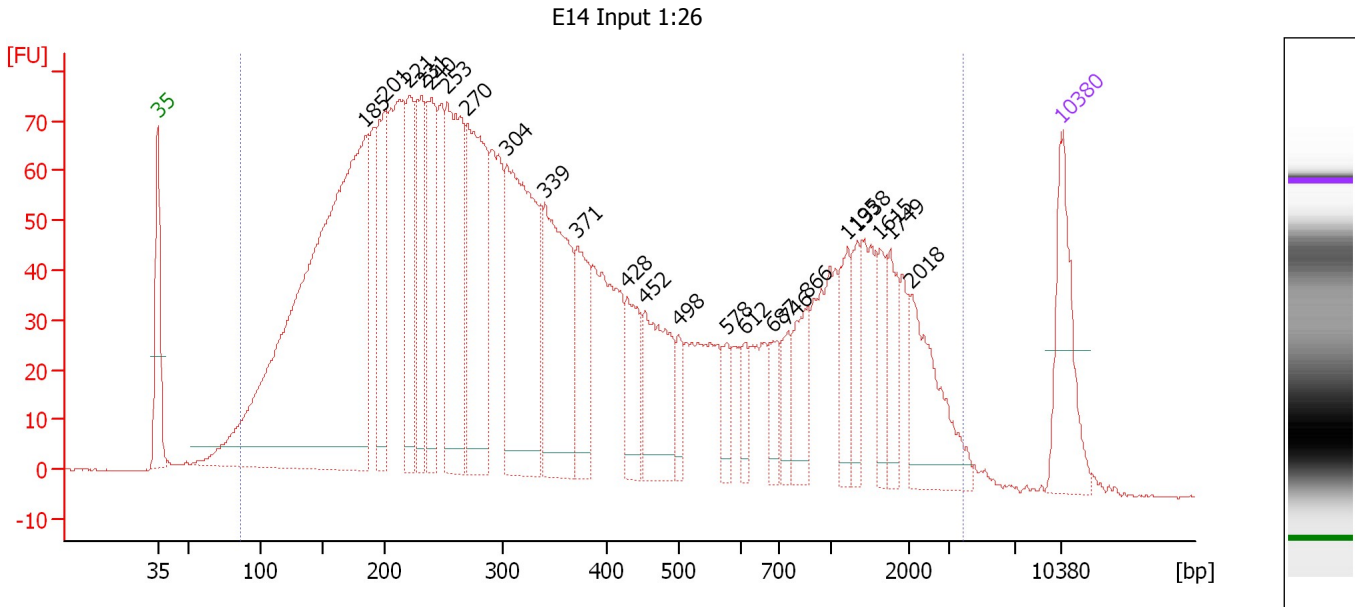
Peak table for Ladder

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	50	150.00	4,545.5	Ladder Peak
3	100	150.00	2,272.7	Ladder Peak
4	150	150.00	1,515.2	Ladder Peak
5	200	150.00	1,136.4	Ladder Peak
6	300	150.00	757.6	Ladder Peak
7	400	150.00	568.2	Ladder Peak
8	500	150.00	454.5	Ladder Peak
9	600	150.00	378.8	Ladder Peak
10	700	150.00	324.7	Ladder Peak
11	1,000	150.00	227.3	Ladder Peak
12	2,000	150.00	113.6	Ladder Peak
13	3,000	150.00	75.8	Ladder Peak
14	7,000	150.00	32.5	Ladder Peak
15	10,380	75.00	10.9	Upper Marker
16	10,683	0.00	0.0	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...and Settings\Bioanalyzer\2013-09-30\2013-09-30_004_ChIP.xad

Created: 9/30/2013 1:13:14 PM
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Electropherogram Summary Continued ...



Overall Results for sample 8 : E14 Input 1:26

Number of peaks found: 23 Corr. Area 1: 3,444.7
 Noise: 0.2

Peak table for sample 8 : E14 Input 1:26

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	185	954.71	7,833.0	
3	201	141.55	1,069.1	
4	221	116.90	801.4	
5	231	121.82	797.3	
6	240	118.46	748.6	
7	253	229.20	1,372.6	
8	270	226.86	1,272.6	
9	304	301.66	1,505.1	
10	339	204.10	911.5	
11	371	86.50	353.2	
12	428	64.64	228.7	
13	452	105.92	355.3	
14	498	25.13	76.4	
15	578	24.87	65.2	
16	612	21.04	52.1	
17	687	25.27	55.8	
18	746	29.12	59.2	
19	866	48.53	84.9	
20	1,195	39.48	50.1	
21	1,338	33.64	38.1	
22	1,615	33.39	31.3	
23	1,749	36.91	32.0	
24	2,018	85.79	64.4	
25	10,380	75.00	10.9	Upper Marker

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...and Settings\Bioanalyzer\2013-09-30\2013-09-30_004_ChIP.xad

Created: 9/30/2013 1:13:14 PM
Modified: 10/1/2013 10:10:05 AM

Electropherogram Summary Continued ...

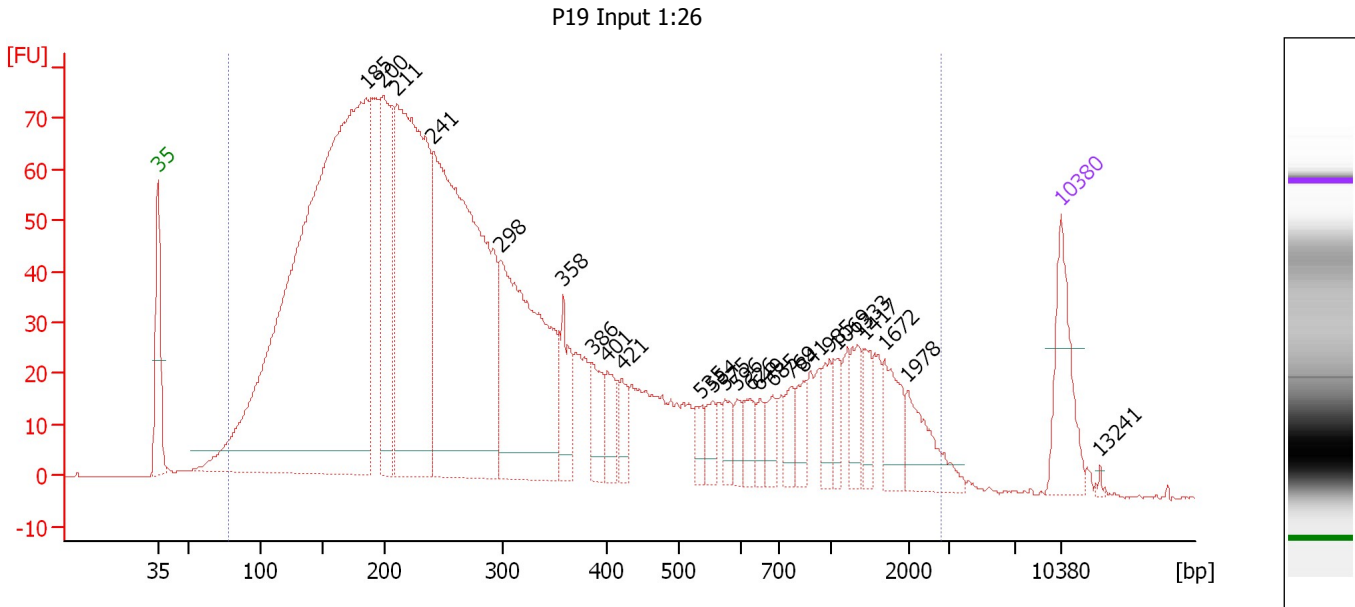
... Region table for sample 8 : E14 Input 1:26

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
86	3,800	556	26,395.5	4,317.43	3,444.7	98	100.0	■

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...and Settings\Bioanalyzer\2013-09-30\2013-09-30_004_ChIP.xad

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Electropherogram Summary Continued ...



Overall Results for sample 9 : P19 Input 1:26

Number of peaks found: 25 Corr. Area 1: 2,734.0
 Noise: 0.1

Peak table for sample 9 : P19 Input 1:26

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	185	1,605.72	13,148.6	
3	200	229.87	1,745.6	
4	211	628.93	4,523.3	
5	241	787.91	4,957.7	
6	298	407.20	2,072.4	
7	358	66.30	280.3	
8	386	48.88	191.8	
9	401	40.40	152.5	
10	421	29.54	106.2	
11	535	20.63	58.5	
12	554	24.98	68.3	
13	575	23.54	62.0	
14	596	19.07	48.5	
15	626	26.04	63.0	
16	649	17.80	41.6	
17	685	25.56	56.6	
18	769	25.72	50.7	
19	841	24.71	44.5	
20	985	30.83	47.4	
21	1,069	22.55	32.0	
22	1,333	34.23	38.9	
23	1,417	27.78	29.7	
24	1,672	48.37	43.8	
25	1,978	53.75	41.2	
26	10,380	75.00	10.9	Upper Marker


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...and Settings\Bioanalyzer\2013-09-30\2013-09-30_004_ChIP.xad

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Modified: 10/1/2013 10:10:05 AM

Electropherogram Summary Continued ...**... Peak table for sample 9 : P19 Input 1:26**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	13,241	0.00	0.0	

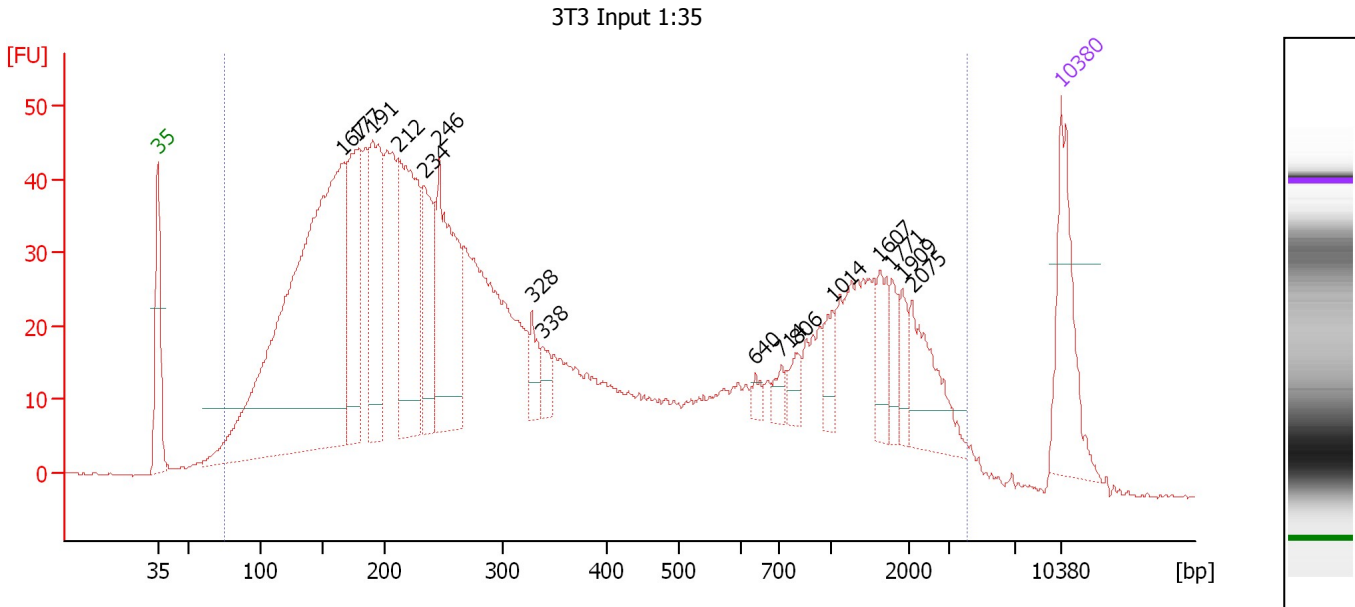
Region table for sample 9 : P19 Input 1:26

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
78	2,777	429	36,051.6	5,047.43	2,734.0	98	100.0	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...and Settings\Bioanalyzer\2013-09-30\2013-09-30_004_ChIP.xad

Created: 9/30/2013 1:13:14 PM
 Modified: 10/1/2013 10:10:05 AM

Electropherogram Summary Continued ...



Overall Results for sample 10 : 3T3 Input 1:35

Number of peaks found: 16 Corr. Area 1: 1,824.5
 Noise: 0.1

Peak table for sample 10 : 3T3 Input 1:35

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	167	769.57	6,975.6	
3	177	153.47	1,314.2	
4	191	155.99	1,240.3	
5	212	219.14	1,564.5	
6	234	101.54	658.3	
7	246	186.97	1,150.8	
8	328	28.63	132.3	
9	338	18.41	82.5	
10	640	8.52	20.2	
11	714	11.82	25.1	
12	806	17.37	32.6	
13	1,014	21.58	32.3	
14	1,607	31.94	30.1	
15	1,771	18.50	15.8	
16	1,909	18.23	14.5	
17	2,075	59.16	43.2	
18	10,380	75.00	10.9	Upper Marker

Region table for sample 10 : 3T3 Input 1:35

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
75	4,054	589	24,524.5	3,561.84	1,824.5	98	100.0	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...and Settings\Bioanalyzer\2013-09-30\2013-09-30_004_ChIP.xad

Created: 9/30/2013 1:13:14 PM
Modified: 10/1/2013 10:10:05 AM

Gel Image

