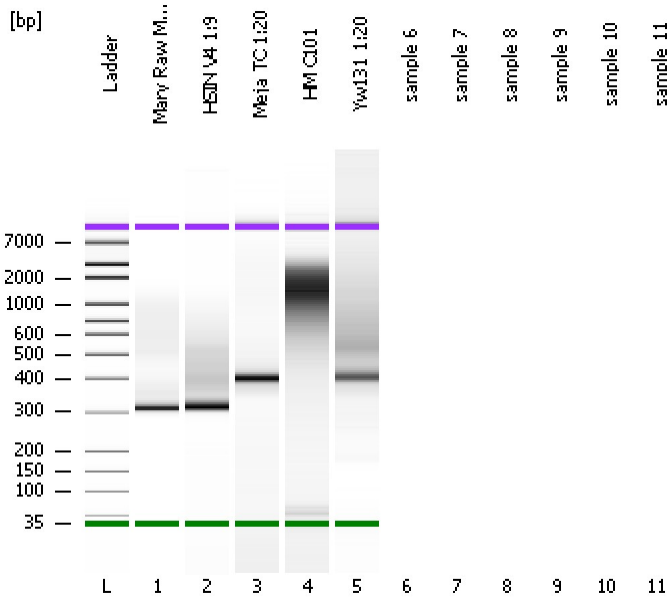


Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-07-01\2014-07-01_001.xad

Created: 7/1/2014 7:23:44 AM
 Modified: 7/1/2014 8:00:42 AM

Electrophoresis File Run Summary



Instrument Information:

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

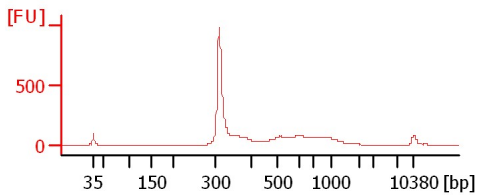
Assay Information:

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

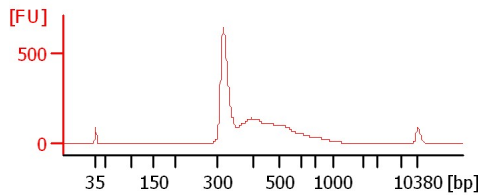
Chip Information:

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

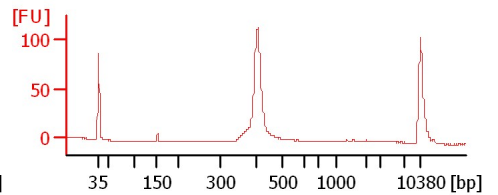
Mary Raw Milk 1:6



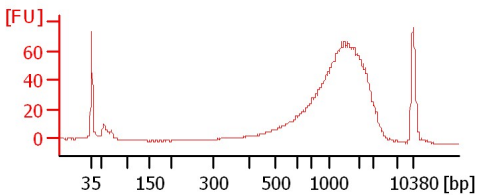
HSIN V4 1:9



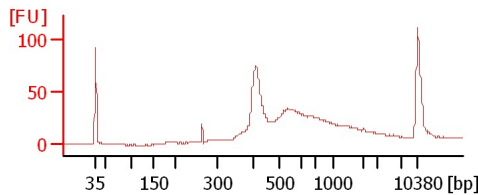
Meja TC 1:20



HM C101



Yw131 1:20



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-07-01\2014-07-01_001.xad

Created: 7/1/2014 7:23:44 AM
 Modified: 7/1/2014 8:00:42 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
Mary Raw Milk 1:6		<input type="checkbox"/>	✓			
HSIN V4 1:9		<input type="checkbox"/>	✓			
Meja TC 1:20		<input type="checkbox"/>	✓			
HM C101		<input type="checkbox"/>	✓			
Yw131 1:20		<input type="checkbox"/>	✓			
sample 6		<input type="checkbox"/>				
sample 7		<input type="checkbox"/>				
sample 8		<input type="checkbox"/>				
sample 9		<input type="checkbox"/>				
sample 10		<input type="checkbox"/>				
sample 11		<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\2014-07-01\2014-07-01_001.xad

Created: 7/1/2014 7:23:44 AM
Modified: 7/1/2014 8:00:42 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

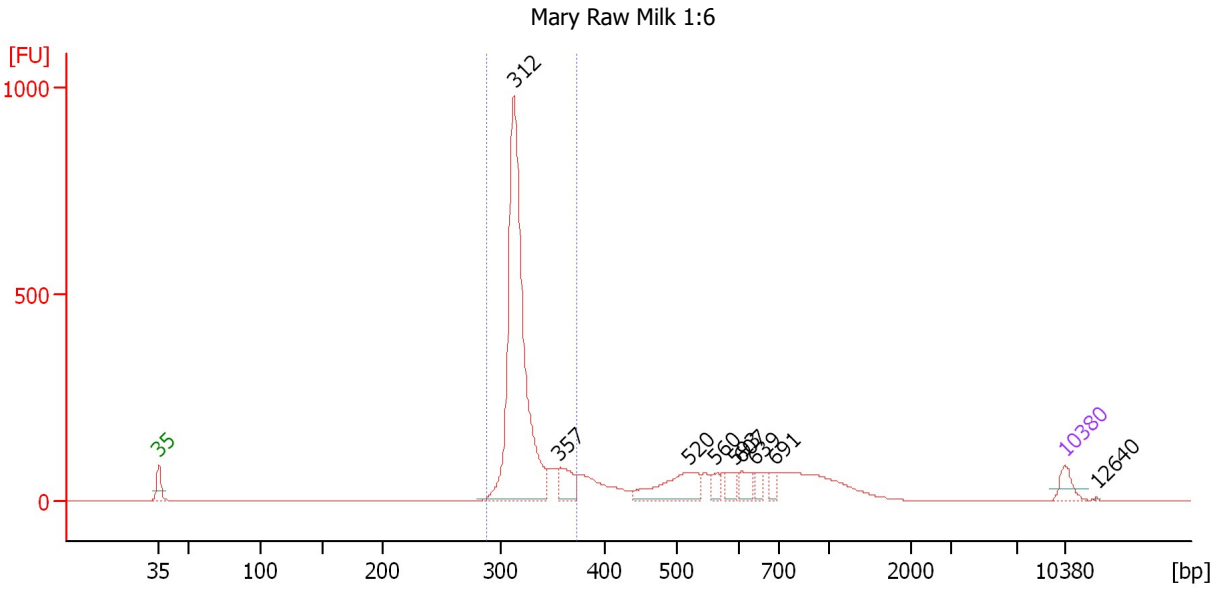
Ladder

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\2014-07-01\2014-07-01_001.xad

Created: 7/1/2014 7:23:44 AM
 Modified: 7/1/2014 8:00:42 AM

Electropherogram Summary



Overall Results for sample 1 : Mary Raw Milk 1:6

Number of peaks found: 9 Corr. Area 1: 2,210.4
 Noise: 0.2

Peak table for sample 1 : Mary Raw Milk 1:6

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	312	2,623.03	12,738.0	
3	357	190.46	809.4	
4	520	355.29	1,035.6	
5	560	67.06	181.3	
6	593	74.95	191.4	
7	607	95.28	237.7	
8	639	61.28	145.2	
9	691	53.95	118.4	
10	10,380	75.00	10.9	Upper Marker
11	12,640	0.00	0.0	

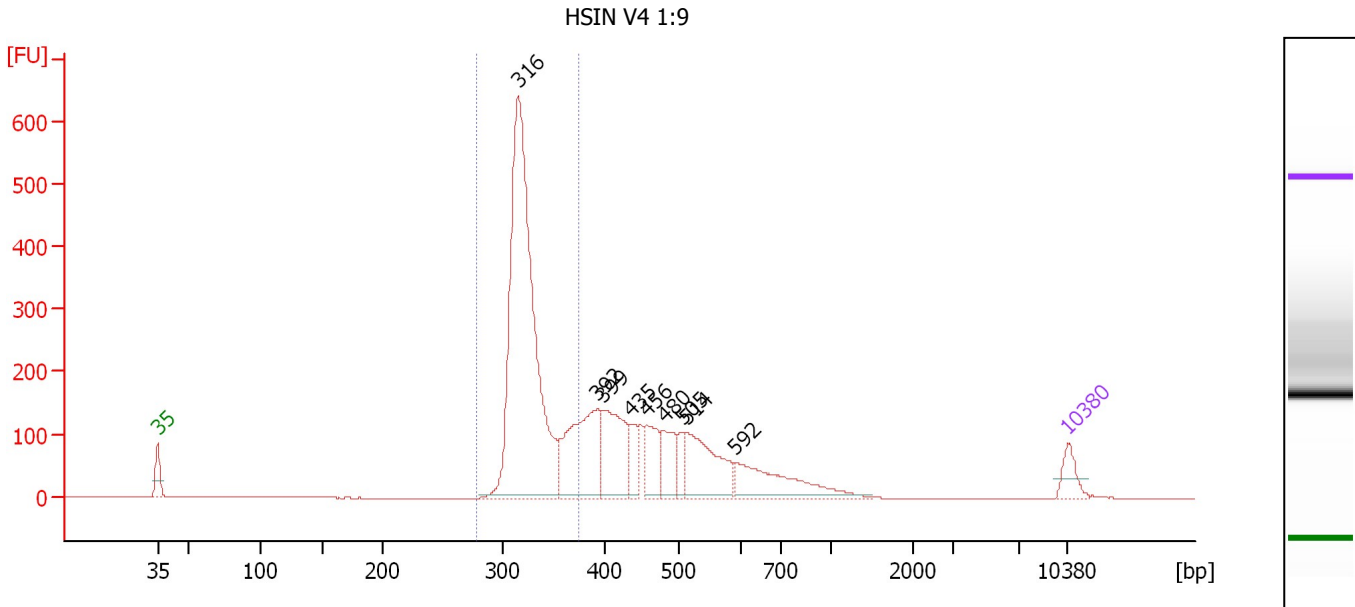
Region table for sample 1 : Mary Raw Milk 1:6

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
288	373	321	13,652.9	2,890.07	2,210.4	60	5.1

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-07-01\2014-07-01_001.xad

Created: 7/1/2014 7:23:44 AM
 Modified: 7/1/2014 8:00:42 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 : HSIN V4 1:9

Number of peaks found: 9 Corr. Area 1: 2,100.0
 Noise: 0.3

Peak table for sample 2 : HSIN V4 1:9

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	316	2,380.21	11,410.6	
3	392	608.09	2,348.6	
4	399	407.56	1,549.6	
5	435	121.54	423.0	
6	456	215.19	715.0	
7	480	171.84	542.6	
8	505	82.91	248.6	
9	514	406.04	1,197.1	
10	592	348.24	890.8	
11	10,380	75.00	10.9	Upper Marker

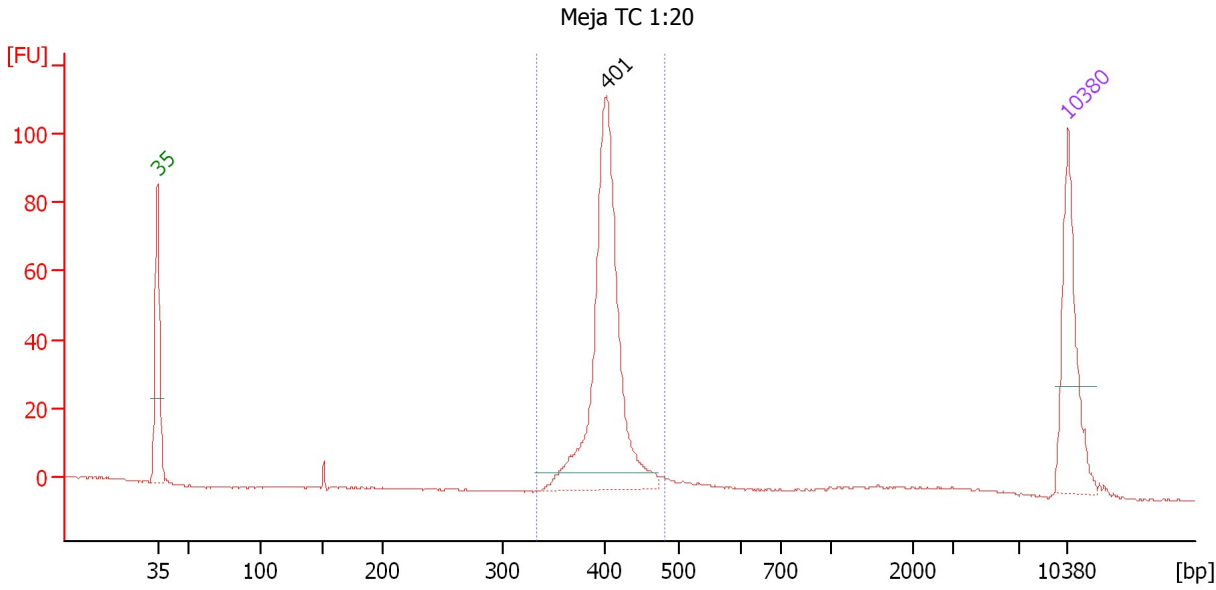
Region table for sample 2 : HSIN V4 1:9

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
279	374	326	11,669.2	2,513.53	2,100.0	54	5.3

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-07-01\2014-07-01_001.xad

Created: 7/1/2014 7:23:44 AM
 Modified: 7/1/2014 8:00:42 AM

Electropherogram Summary Continued ...



Overall Results for sample 3 : Meja TC 1:20

Number of peaks found: 1 Corr. Area 1: 320.6
 Noise: 0.2

Peak table for sample 3 : Meja TC 1:20

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	401	301.97	1,139.9	
3	10,380	75.00	10.9	Upper Marker

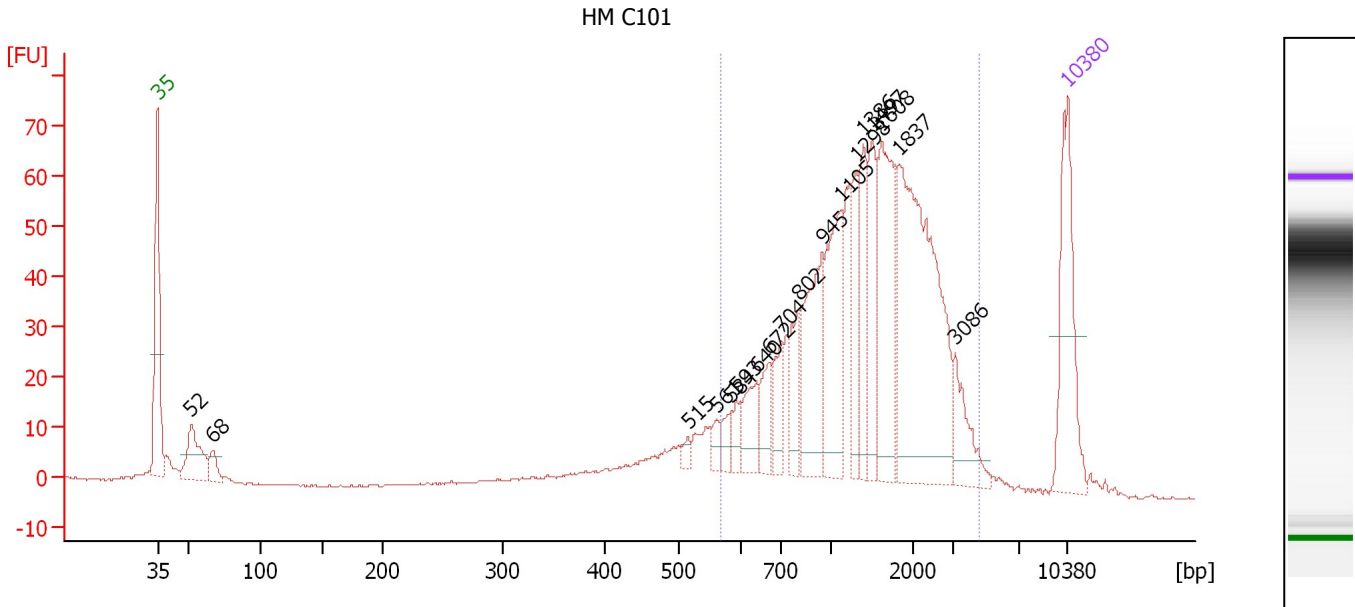
Region table for sample 3 : Meja TC 1:20

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
335	482	404	1,125.6	299.57	320.6	88	4.9

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-07-01\2014-07-01_001.xad

Created: 7/1/2014 7:23:44 AM
 Modified: 7/1/2014 8:00:42 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : HM C101

Number of peaks found: 18 Corr. Area 1: 870.2
 Noise: 0.2

Peak table for sample 4 : HM C101

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	52	56.00	1,619.9	
3	68	17.33	387.9	
4	515	6.26	18.4	
5	561	10.17	27.4	
6	584	12.66	32.8	
7	593	12.75	32.6	
8	640	32.15	76.1	
9	672	26.13	58.9	
10	704	29.53	63.5	
11	802	33.12	62.6	
12	945	82.43	132.1	
13	1,105	79.58	109.1	
14	1,298	42.40	49.5	
15	1,386	47.66	52.1	
16	1,497	50.92	51.5	
17	1,608	92.38	87.0	
18	1,837	210.50	173.6	
19	3,086	32.42	15.9	
20	10,380	75.00	10.9	Upper Marker

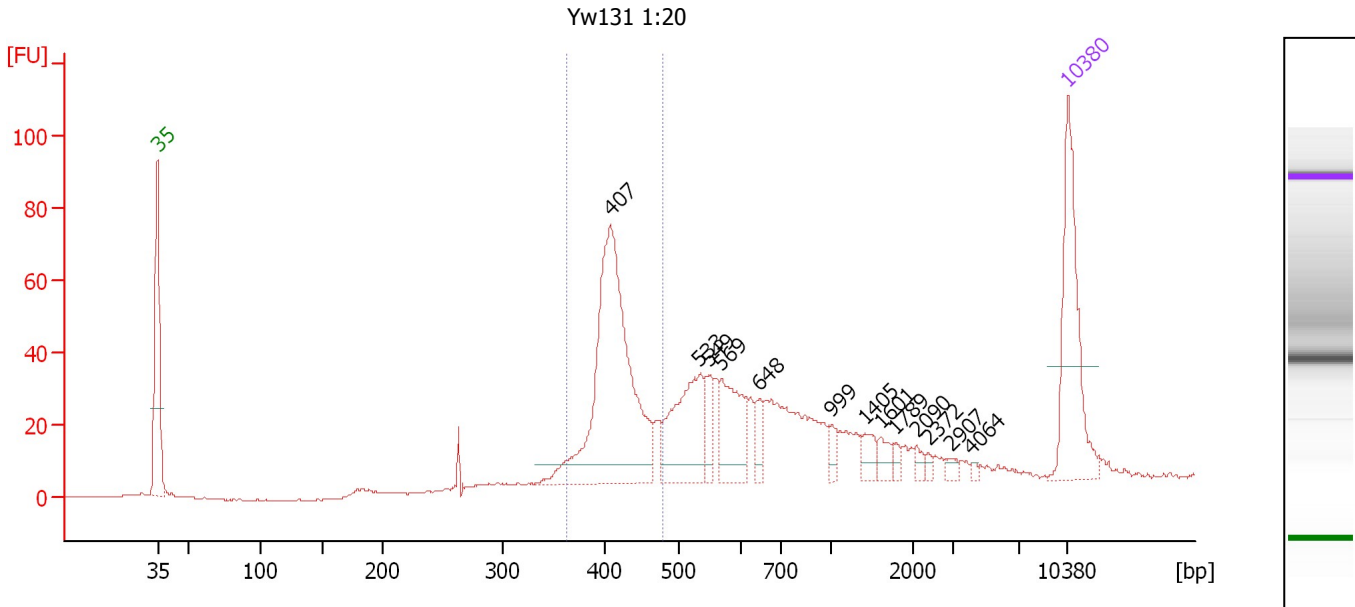
Region table for sample 4 : HM C101

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
568	4,519	1,533	1,168.0	908.69	870.2	82	48.3

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-07-01\2014-07-01_001.xad

Created: 7/1/2014 7:23:44 AM
 Modified: 7/1/2014 8:00:42 AM

Electropherogram Summary Continued ...



Overall Results for sample 5 : Yw131 1:20

Number of peaks found: 13 Corr. Area 1: 297.4
 Noise: 0.1

Peak table for sample 5 : Yw131 1:20

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	407	243.46	906.5	
3	533	81.32	231.0	
4	549	17.72	48.9	
5	569	52.88	140.8	
6	648	13.67	32.0	
7	999	7.69	11.7	
8	1,405	11.11	12.0	
9	1,601	8.67	8.2	
10	1,789	4.45	3.8	
11	2,090	4.59	3.3	
12	2,372	2.89	1.8	
13	2,907	3.64	1.9	
14	4,064	1.94	0.7	
15	10,380	75.00	10.9	Upper Marker

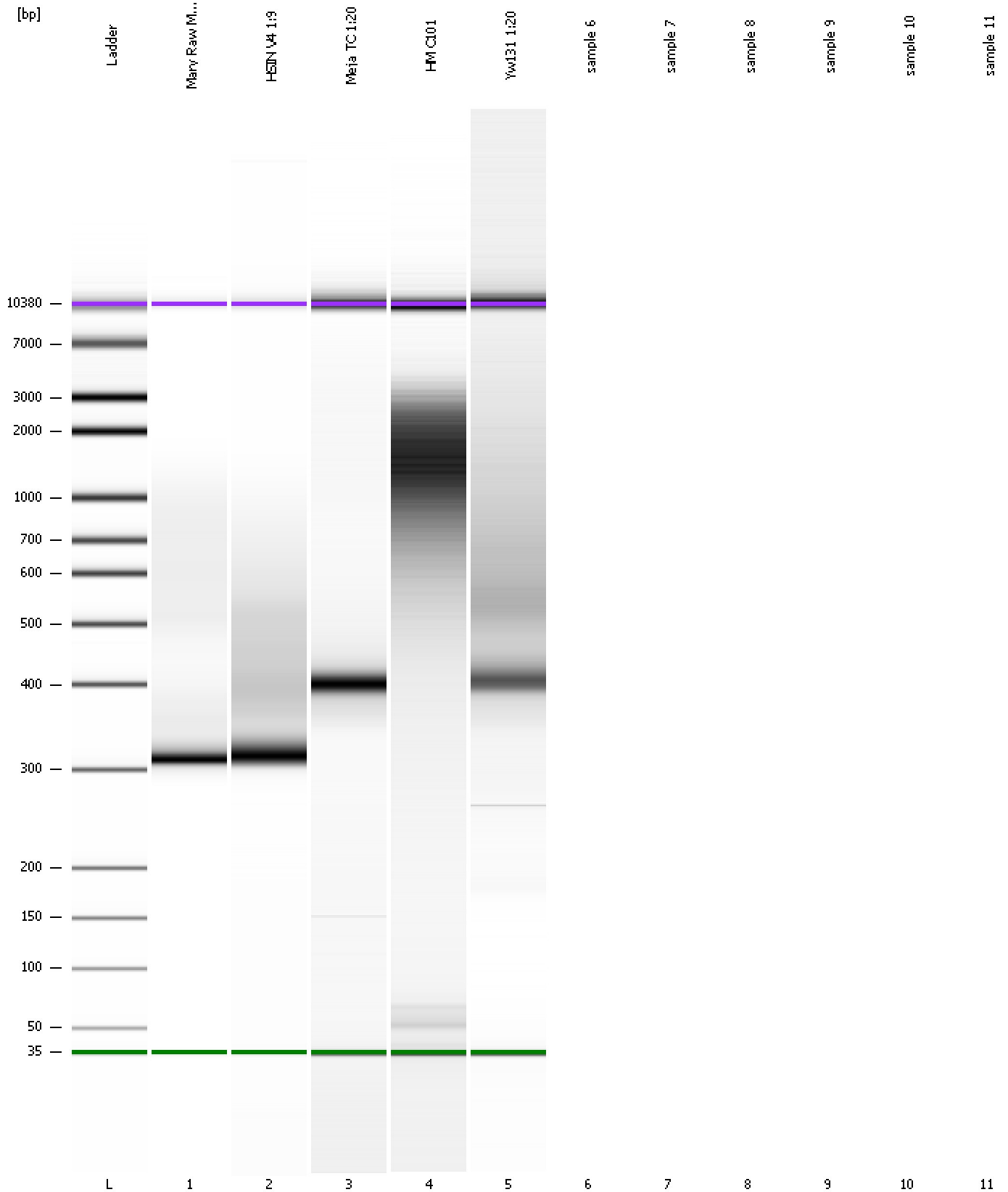
Region table for sample 5 : Yw131 1:20

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
362	479	416	942.7	258.13	297.4	37	6.2

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-07-01\2014-07-01_001.xad

Created: 7/1/2014 7:23:44 AM
Modified: 7/1/2014 8:00:42 AM

Gel Image



Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-07-01\2014-07-01_001.xad

Created: 7/1/2014 7:23:44 AM
Modified: 7/1/2014 8:00:42 AM

Invalid Samples

Sample 6 has not been run, no results available.

Sample 7 has not been run, no results available.

Sample 8 has not been run, no results available.

Sample 9 has not been run, no results available.

Sample 10 has not been run, no results available.

Sample 11 has not been run, no results available.