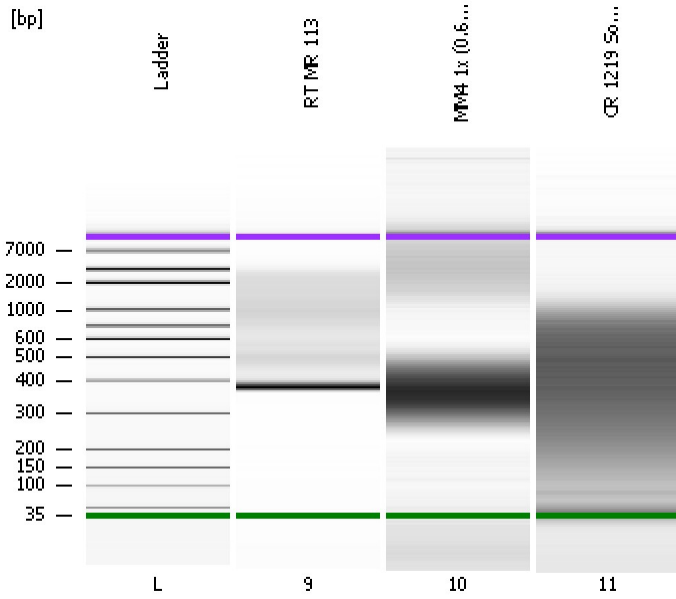


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ings\Bioanalyzer\2013-10-18\2013-10-18_007_RTMR_CR_Soni.xad

Created: 10/18/2013 5:13:57 PM
Modified: 10/18/2013 5:58:26 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

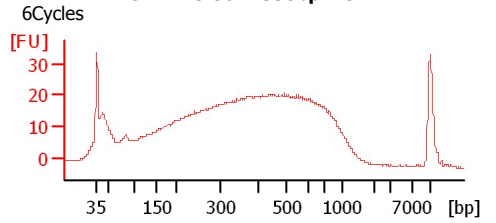
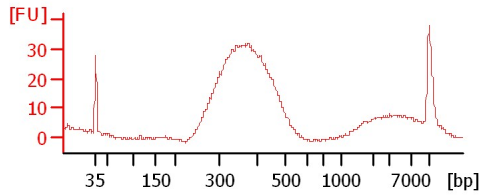
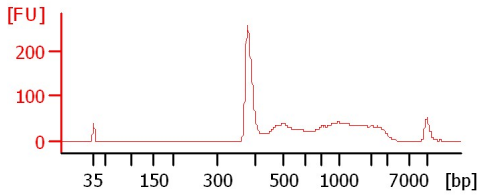
Chip Information:

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

RT MR 113

MM4 1x (0.6x Supernatant) 1:16

CR 1219 Soni-350bp 1:5



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ings\Bioanalyzer\2013-10-18\2013-10-18_007_RTMR_CR_Soni.xad

Created: 10/18/2013 5:13:57 PM
 Modified: 10/18/2013 5:58:26 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
RT MR 113		<input type="checkbox"/>	<input checked="" type="checkbox"/>			
MM4 1x (0.6x Supernatant) 1:16		<input type="checkbox"/>	<input checked="" type="checkbox"/>			
CR 1219 Soni-350bp 1:5	6Cycles	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
Ladder		<input type="checkbox"/>	<input checked="" type="checkbox"/>			

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ings\Bioanalyzer\2013-10-18\2013-10-18_007_RTMR_CR_Soni.xad

Created: 10/18/2013 5:13:57 PM
Modified: 10/18/2013 5:58:26 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/ μ l] : 1950
Uses Standard Area for Ladder Fragments
Lower Marker Concentration [pg/ μ l] : 125
Upper Marker Concentration [pg/ μ l] : 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

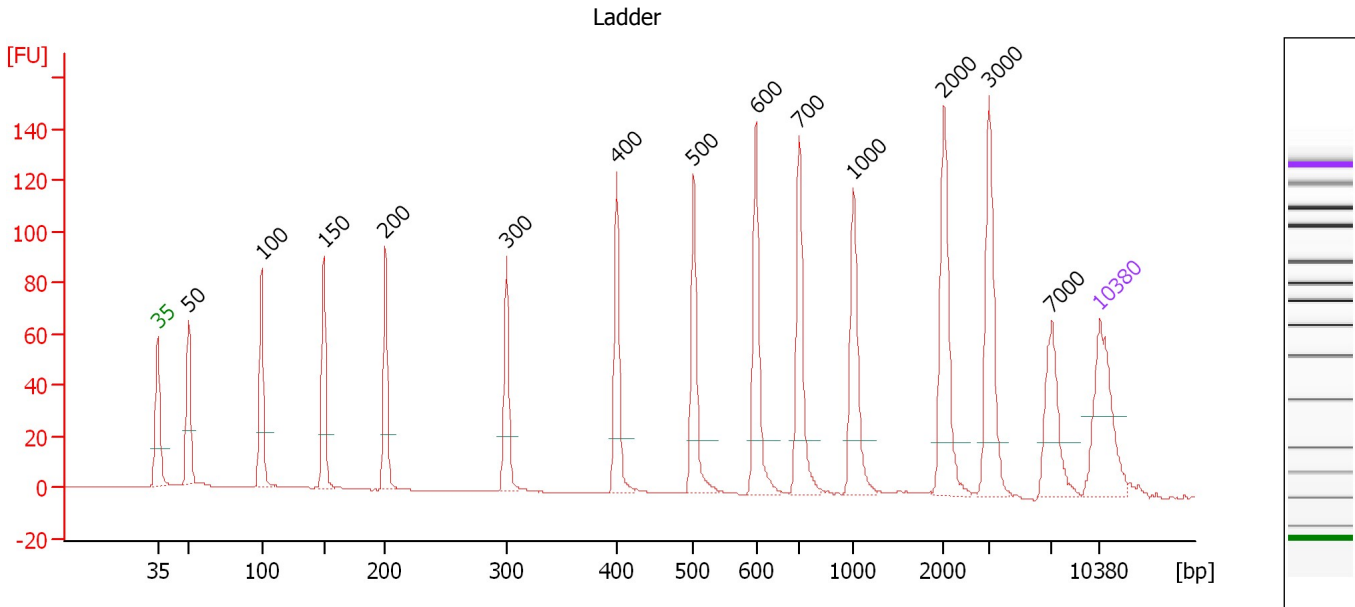
Ladder

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:\...ings\Bioanalyzer\2013-10-18\2013-10-18_007_RTMR_CR_Soni.xad

Created: 10/18/2013 5:13:57 PM
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Electropherogram Summary



Overall Results for Ladder

Noise: 0.1

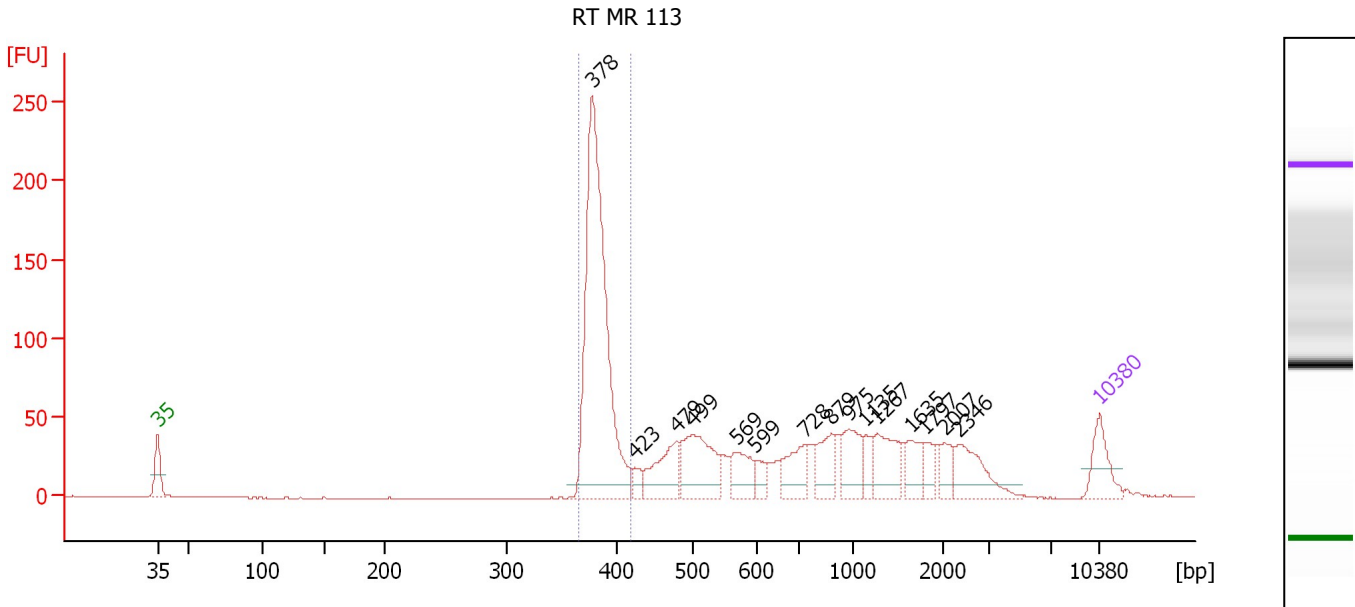
Peak table for Ladder

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

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ings\Bioanalyzer\2013-10-18\2013-10-18_007_RTMR_CR_Soni.xad

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Electropherogram Summary Continued ...



Setpoint Deviations for sample 9 : RT MR 113

Height Threshold [FU] : 8

Overall Results for sample 9 : RT MR 113

Number of peaks found: 15 Corr. Area 1: 553.6
 Noise: 0.2

Peak table for sample 9 : RT MR 113

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	378	1,001.12	4,010.9	
3	423	32.19	115.2	
4	479	145.77	461.5	
5	499	211.77	642.6	
6	569	89.46	238.3	
7	599	36.71	92.9	
8	728	104.24	216.8	
9	879	83.07	143.1	
10	975	107.20	166.5	
11	1,135	42.85	57.2	
12	1,267	111.89	133.8	
13	1,635	63.32	58.7	
14	1,797	40.01	33.7	
15	2,007	47.99	36.2	
16	2,346	107.87	69.7	
17	10,380	75.00	10.9	Upper Marker

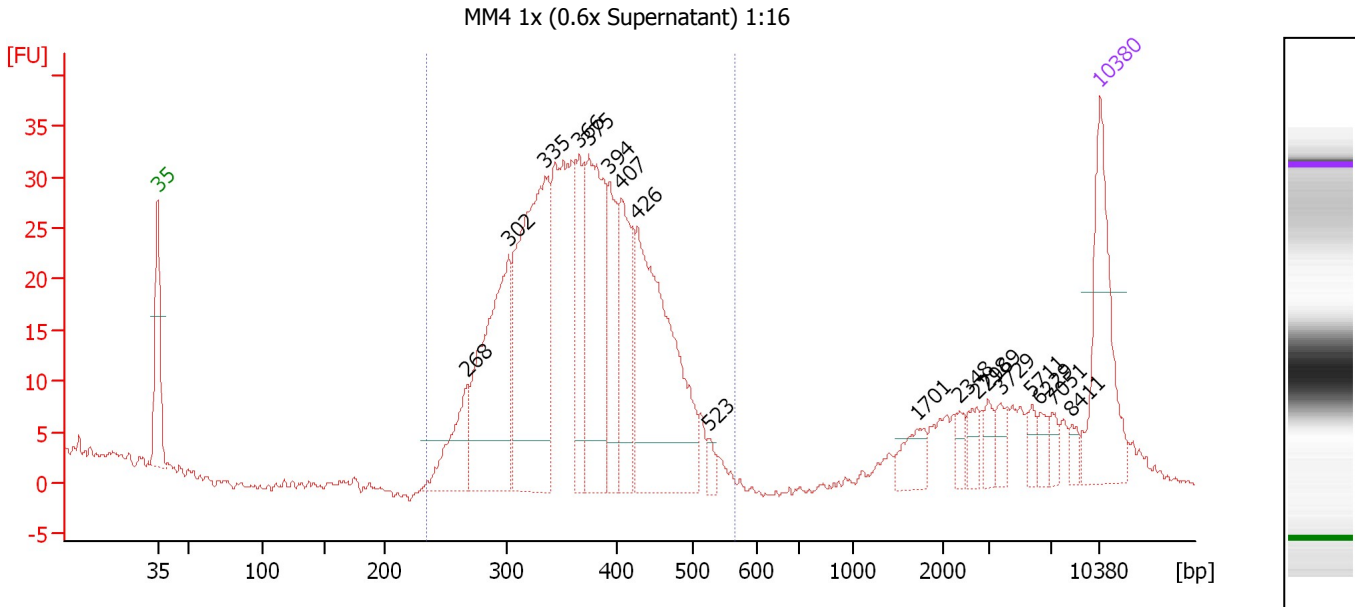
Region table for sample 9 : RT MR 113

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
366	418	384	3,874.3	980.55	553.6	37	2.5	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ings\Bioanalyzer\2013-10-18\2013-10-18_007_RTMR_CR_Soni.xad

Created: 10/18/2013 5:13:57 PM
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Electropherogram Summary Continued ...



Overall Results for sample 10 : MM4 1x (0.6x Supernatant) 1:16

Number of peaks found: 18 Corr. Area 1: 481.8
 Noise: 0.4

Peak table for sample 10 : MM4 1x (0.6x Supernatant) 1:16

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	268	60.45	342.0	
3	302	175.51	881.0	
4	335	247.80	1,119.6	
5	366	62.18	257.5	
6	375	146.14	590.5	
7	394	64.79	249.2	
8	407	74.17	276.2	
9	426	215.00	764.7	
10	523	8.15	23.6	
11	1,701	19.99	17.8	
12	2,348	7.37	4.8	
13	2,718	10.39	5.8	
14	2,969	9.59	4.9	
15	3,729	10.06	4.1	
16	5,711	7.77	2.1	
17	6,229	8.34	2.0	
18	7,051	7.44	1.6	
19	8,411	6.31	1.1	
20	10,380	75.00	10.9	Upper Marker

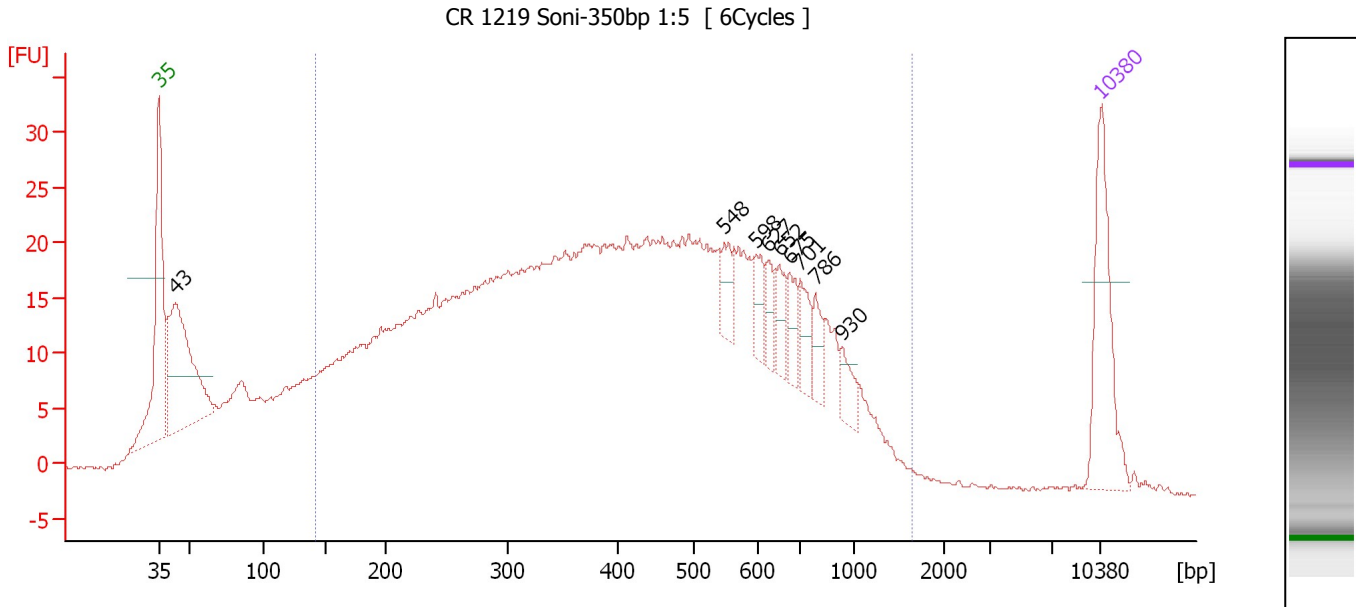
Region table for sample 10 : MM4 1x (0.6x Supernatant) 1:16

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
234	567	370	4,659.8	1,102.24	481.8	86	15.8	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ings\Bioanalyzer\2013-10-18\2013-10-18_007_RTMR_CR_Soni.xad

Created: 10/18/2013 5:13:57 PM
 Modified: 10/18/2013 5:58:26 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : CR 1219 Soni-350bp 1:5

Number of peaks found: 9 Corr. Area 1: 930.2
 Noise: 0.2

Peak table for sample 11 : CR 1219 Soni-350bp 1:5

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	43	197.77	6,941.1	
3	548	22.30	61.6	
4	598	20.97	53.1	
5	627	17.59	42.5	
6	652	19.19	44.6	
7	675	19.44	43.6	
8	701	23.60	51.0	
9	786	18.81	36.3	
10	930	17.54	28.6	
11	10,380	75.00	10.9	Upper Marker

Region table for sample 11 : CR 1219 Soni-350bp 1:5

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
143	1,634	451	12,221.3	2,610.98	930.2	83	50.5	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ings\Bioanalyzer\2013-10-18\2013-10-18_007_RTMR_CR_Soni.xad

Created: 10/18/2013 5:13:57 PM
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Gel Image

