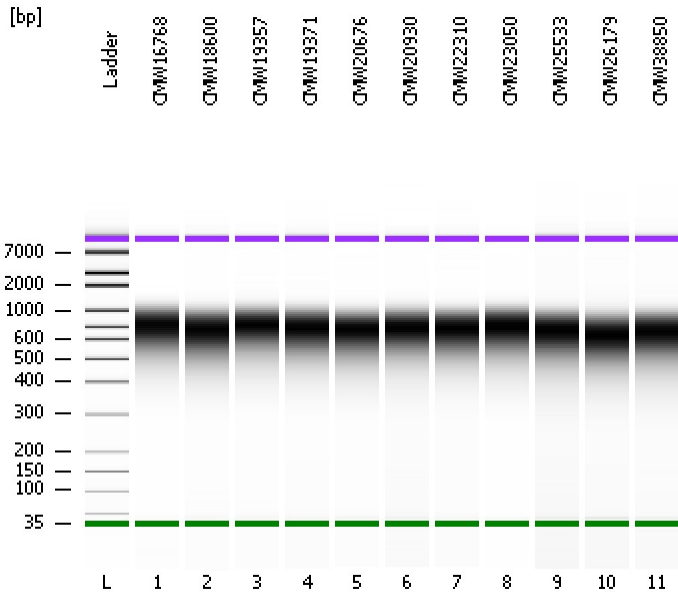


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-23\2014-05-23_005.xad

Created: 5/23/2014 12:19:46 PM
Modified: 5/23/2014 1:00:54 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

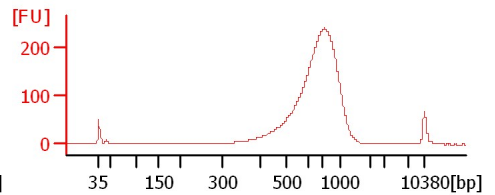
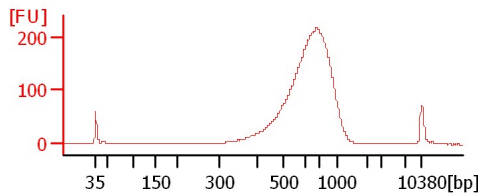
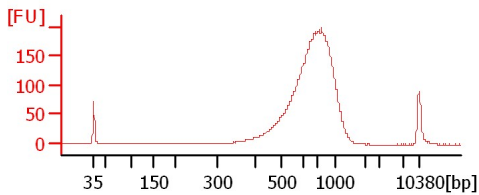
Chip Information:

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

CMW16768

CMW18600

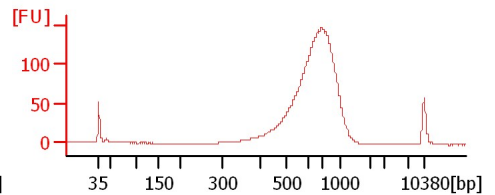
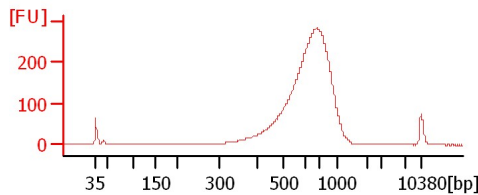
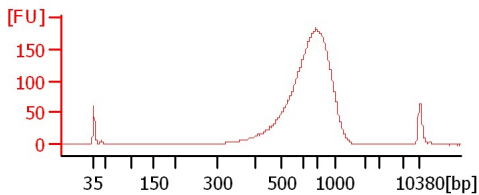
CMW19357



CMW19371

CMW20676

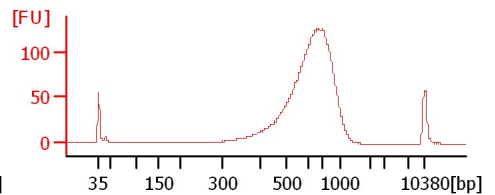
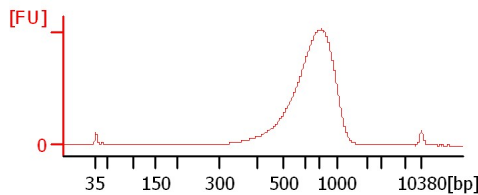
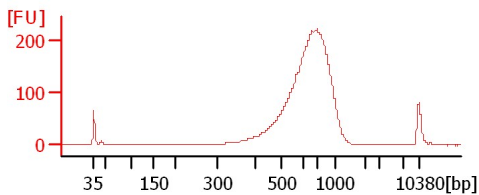
CMW20930



CMW22310

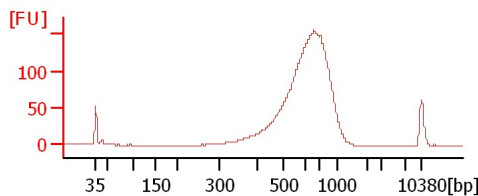
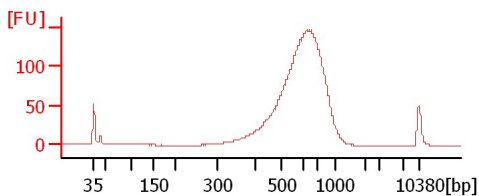
CMW23050

CMW25533



CMW26179

CMW38850



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-23\2014-05-23_005.xad

Created: 5/23/2014 12:19:46 PM
 Modified: 5/23/2014 1:00:54 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
CMW16768		<input type="checkbox"/>	✓			
CMW18600		<input type="checkbox"/>	✓			
CMW19357		<input type="checkbox"/>	✓			
CMW19371		<input type="checkbox"/>	✓			
CMW20676		<input type="checkbox"/>	✓			
CMW20930		<input type="checkbox"/>	✓			
CMW22310		<input type="checkbox"/>	✓			
CMW23050		<input type="checkbox"/>	✓			
CMW25533		<input type="checkbox"/>	✓			
CMW26179		<input type="checkbox"/>	✓			
CMW38850		<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\2014-05-23\2014-05-23_005.xad

Created: 5/23/2014 12:19:46 PM
Modified: 5/23/2014 1:00:54 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

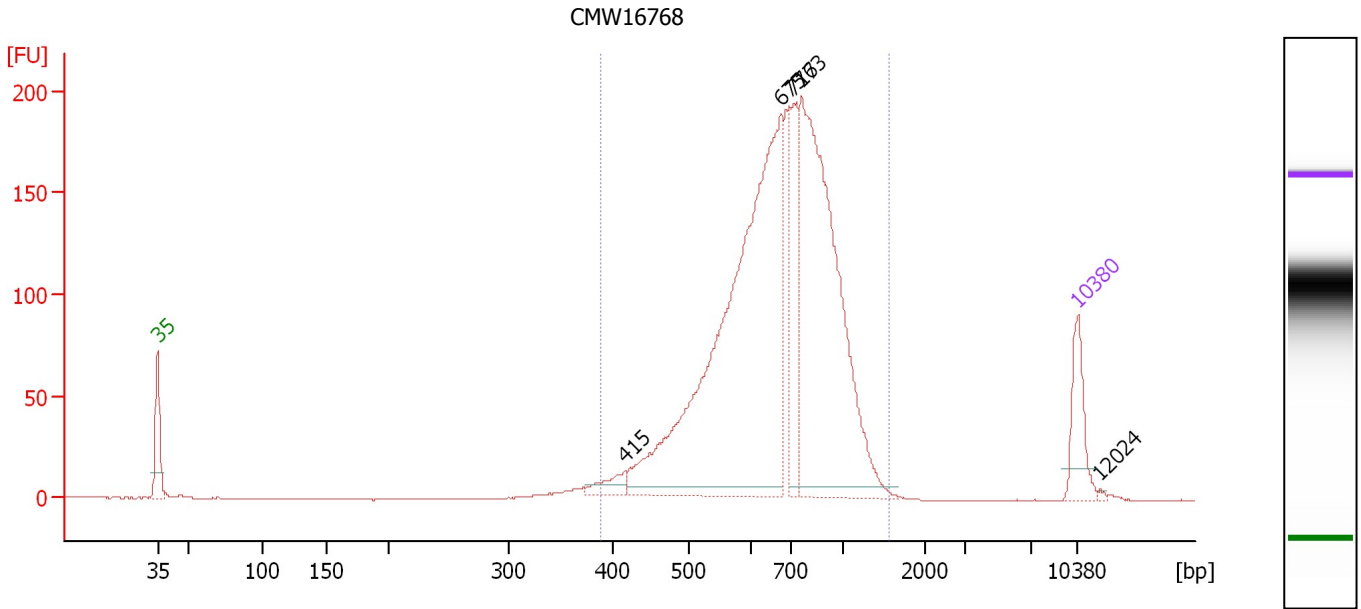
Ladder

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:\... bioanalyzer\2100 expert\Data\2014-05-23\2014-05-23_005.xad

Created: 5/23/2014 12:19:46 PM
 Modified: 5/23/2014 1:00:54 PM

Electropherogram Summary



Overall Results for sample 1 : CMW16768

Number of peaks found: 5 Corr. Area 1: 2,157.5
 Noise: 0.1

Peak table for sample 1 : CMW16768

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	415	35.47	129.4	
3	675	1,199.27	2,690.0	
4	717	174.46	368.9	
5	763	826.16	1,641.4	
6	10,380	75.00	10.9	Upper Marker
7	12,024	0.00	0.0	

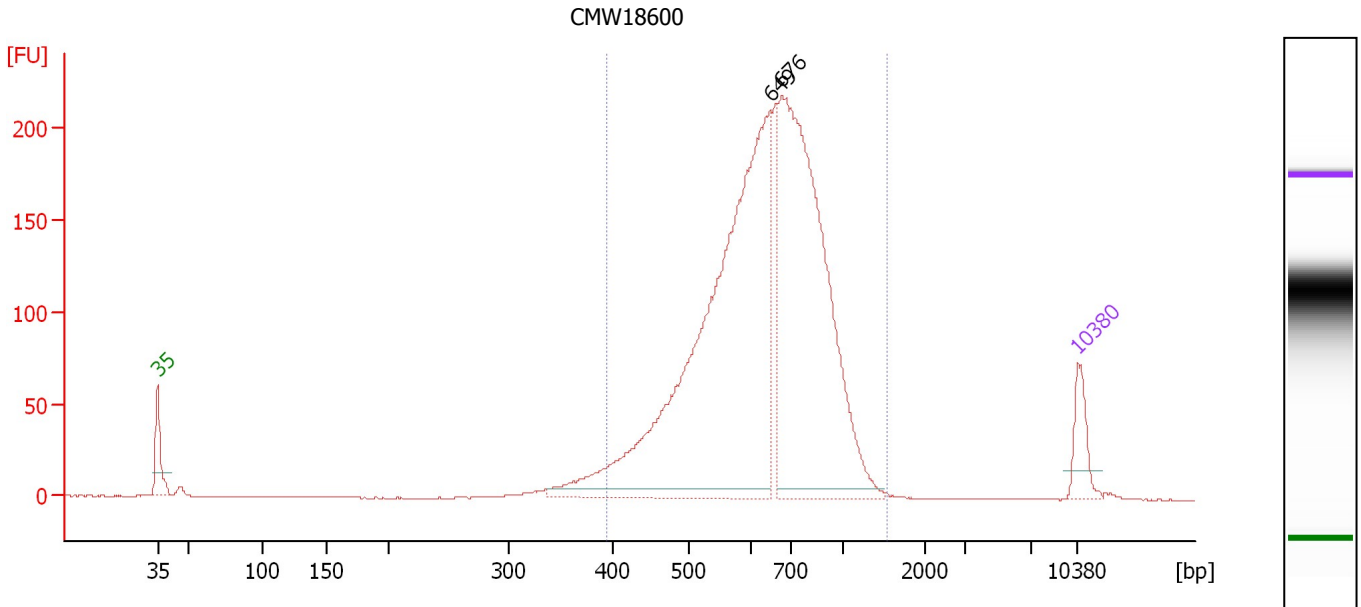
Region table for sample 1 : CMW16768

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
387	1,556	714	5,433.0	2,375.81	2,157.5	98	25.8

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-23\2014-05-23_005.xad

Created: 5/23/2014 12:19:46 PM
 Modified: 5/23/2014 1:00:54 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : CMW18600

Number of peaks found: 2 Corr. Area 1: 2,523.9
 Noise: 0.2

Peak table for sample 2 : CMW18600

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	649	1,843.47	4,306.8	
3	676	1,394.82	3,125.3	
4	10,380	75.00	10.9	Upper Marker

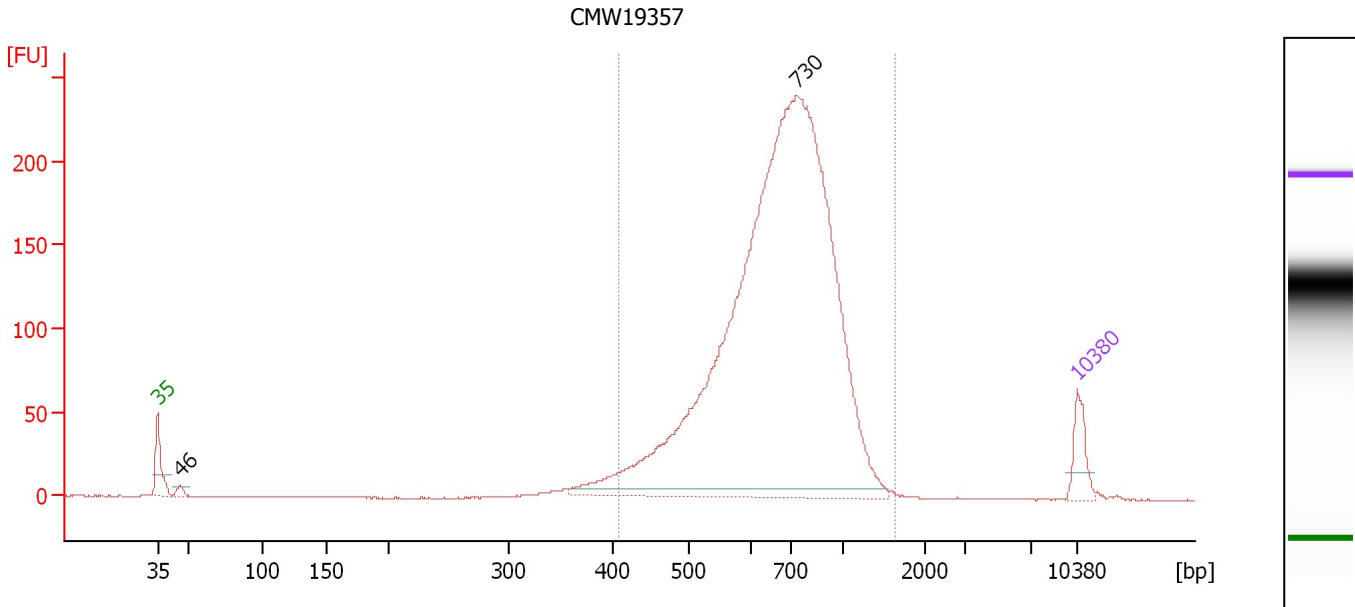
Region table for sample 2 : CMW18600

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
393	1,548	670	8,196.4	3,394.69	2,523.9	96	24.4

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-23\2014-05-23_005.xad

Created: 5/23/2014 12:19:46 PM
 Modified: 5/23/2014 1:00:54 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : CMW19357

Number of peaks found: 2 Corr. Area 1: 2,450.4
 Noise: 0.2

Peak table for sample 3 : CMW19357

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	46	23.12	766.3	
3	730	3,893.48	8,085.0	
4	10,380	75.00	10.9	Upper Marker

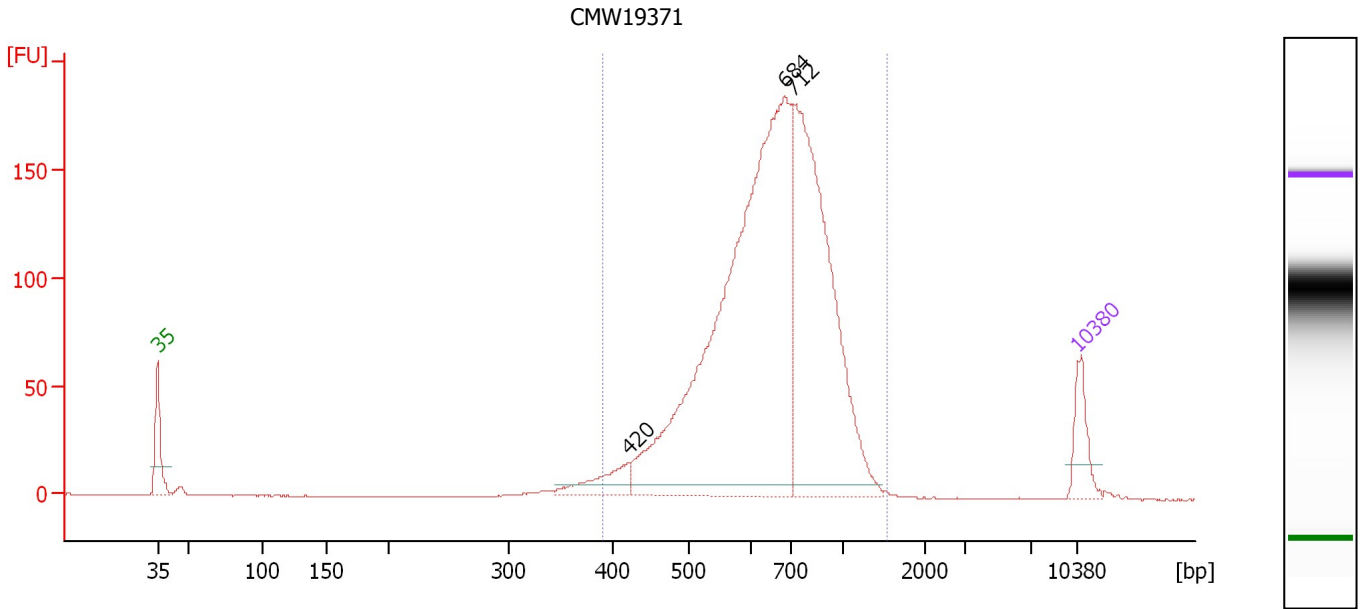
Region table for sample 3 : CMW19357

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
407	1,645	718	8,822.1	3,895.37	2,450.4	96	25.2

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-23\2014-05-23_005.xad

Created: 5/23/2014 12:19:46 PM
 Modified: 5/23/2014 1:00:54 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : CMW19371

Number of peaks found: 3 Corr. Area 1: 2,008.7
 Noise: 0.1

Peak table for sample 4 : CMW19371

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	420	87.73	316.8	
3	684	1,840.07	4,074.9	
4	712	1,031.28	2,194.2	
5	10,380	75.00	10.9	Upper Marker

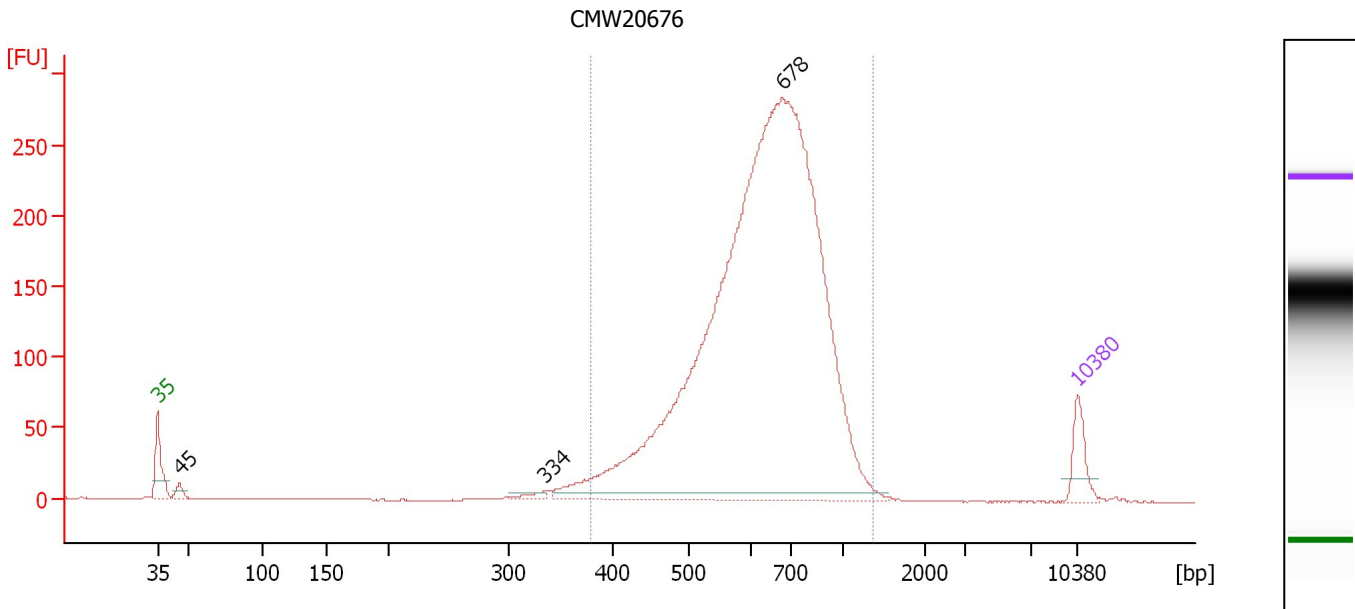
Region table for sample 4 : CMW19371

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
390	1,532	690	6,930.9	2,952.97	2,008.7	97	24.5

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-23\2014-05-23_005.xad

Created: 5/23/2014 12:19:46 PM
 Modified: 5/23/2014 1:00:54 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : CMW20676

Number of peaks found: 3 Corr. Area 1: 3,104.4
 Noise: 0.2

Peak table for sample 5 : CMW20676

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	45	33.81	1,126.3	
3	334	19.47	88.4	
4	678	4,305.20	9,614.0	
5	10,380	75.00	10.9	Upper Marker

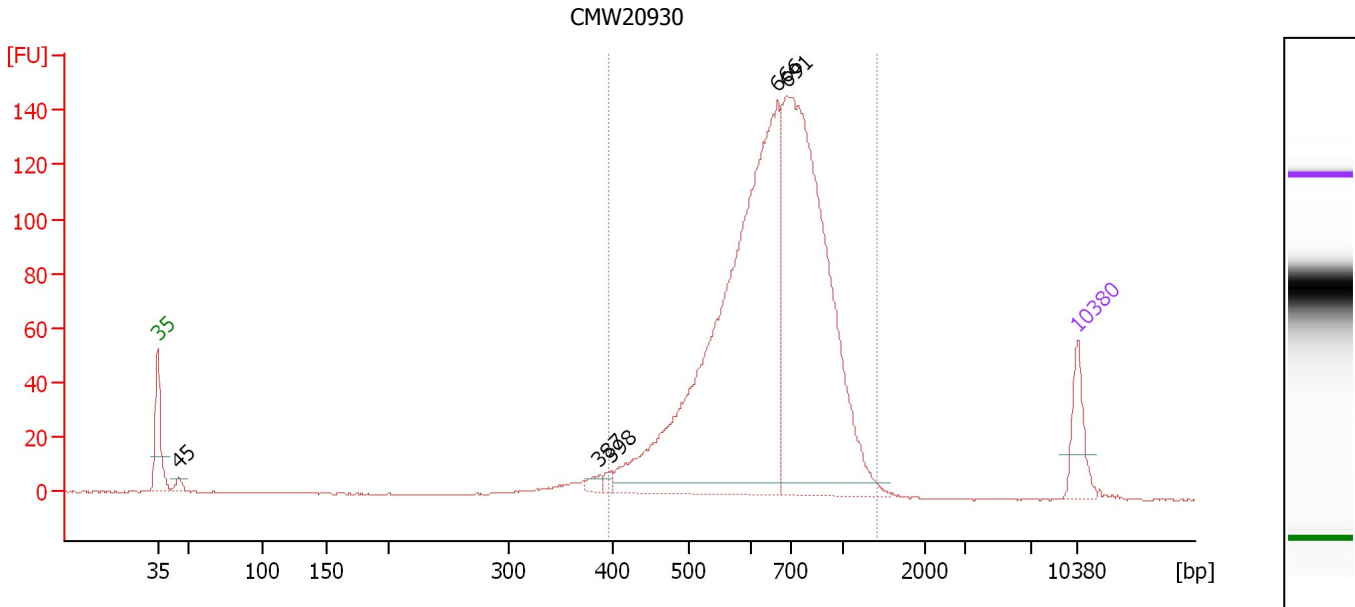
Region table for sample 5 : CMW20676

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
379	1,366	664	10,513.5	4,327.15	3,104.4	97	23.0

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-23\2014-05-23_005.xad

Created: 5/23/2014 12:19:46 PM
 Modified: 5/23/2014 1:00:54 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : CMW20930

Number of peaks found: 5 Corr. Area 1: 1,547.4
 Noise: 0.2

Peak table for sample 6 : CMW20930

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	45	22.20	742.5	
3	387	17.65	69.2	
4	398	13.90	52.9	
5	666	1,542.80	3,507.5	
6	691	1,246.43	2,732.6	
7	10,380	75.00	10.9	Upper Marker

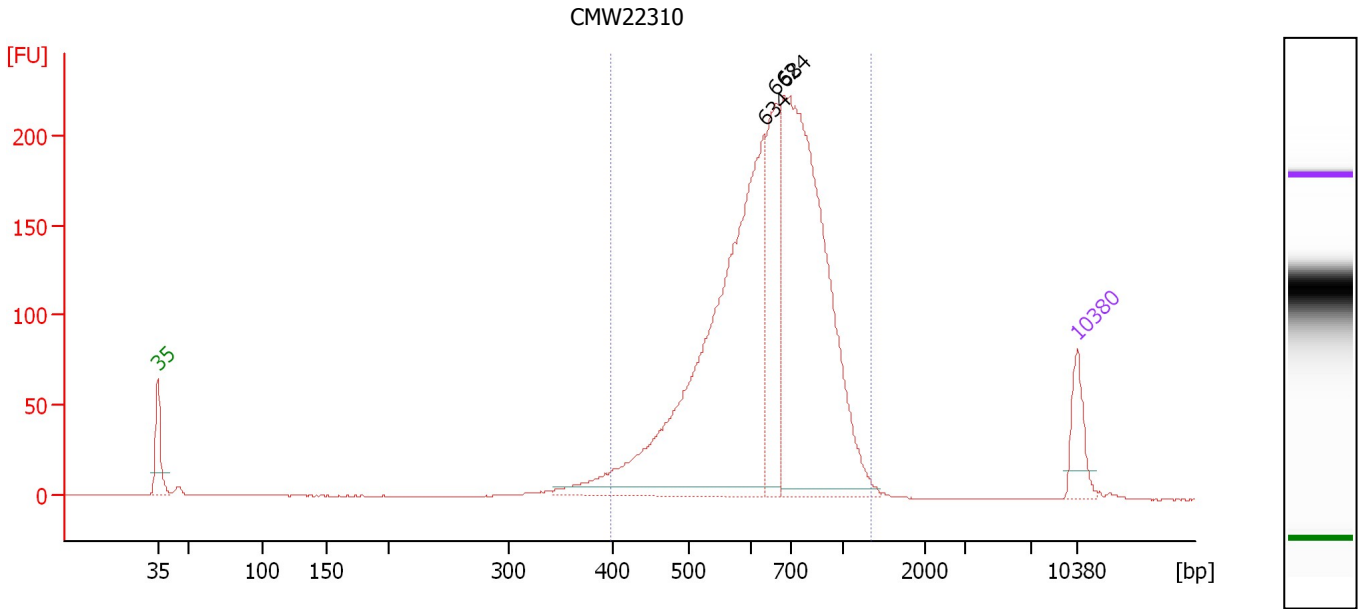
Region table for sample 6 : CMW20930

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
395	1,415	687	6,615.7	2,817.61	1,547.4	96	23.6

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-23\2014-05-23_005.xad

Created: 5/23/2014 12:19:46 PM
 Modified: 5/23/2014 1:00:54 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : CMW22310

Number of peaks found: 3 Corr. Area 1: 2,397.4
 Noise: 0.1

Peak table for sample 7 : CMW22310

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	634	1,347.76	3,221.5	
3	662	328.46	751.8	
4	684	1,264.90	2,802.7	
5	10,380	75.00	10.9	Upper Marker

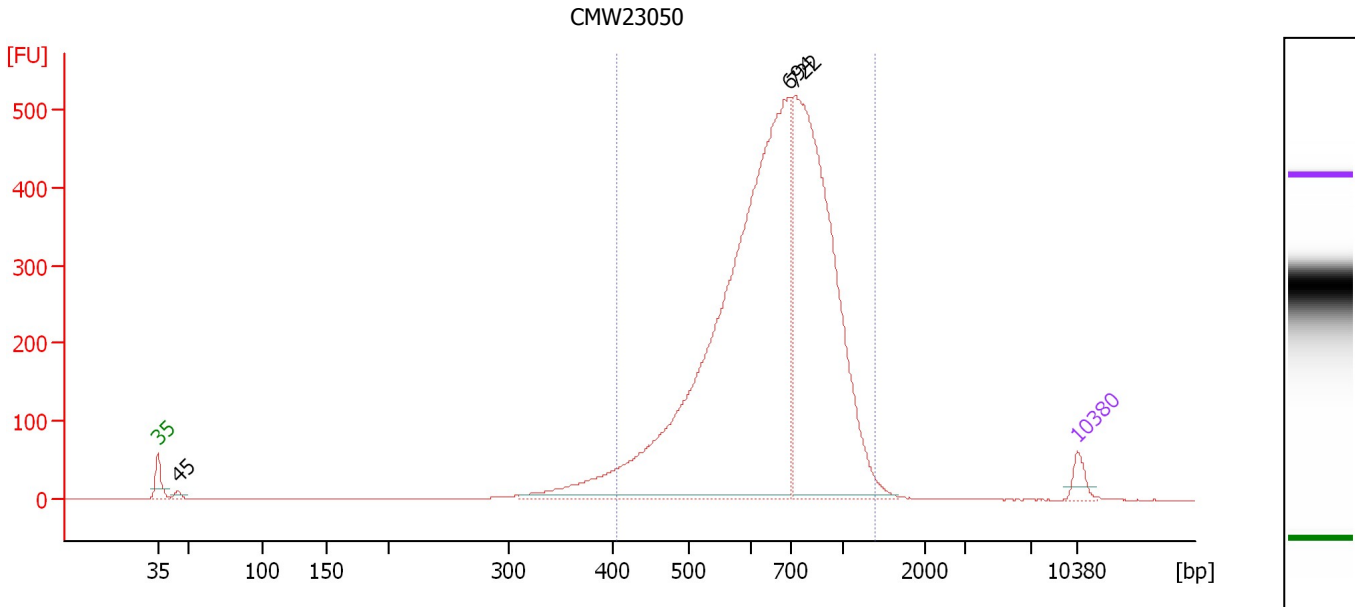
Region table for sample 7 : CMW22310

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
398	1,344	679	6,982.9	2,946.28	2,397.4	96	22.9

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-23\2014-05-23_005.xad

Created: 5/23/2014 12:19:46 PM
 Modified: 5/23/2014 1:00:54 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : CMW23050

Number of peaks found: 3 Corr. Area 1: 5,651.5
 Noise: 0.1

Peak table for sample 8 : CMW23050

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	45	37.22	1,263.1	
3	694	6,113.60	13,352.9	
4	722	3,641.89	7,645.8	
5	10,380	75.00	10.9	Upper Marker

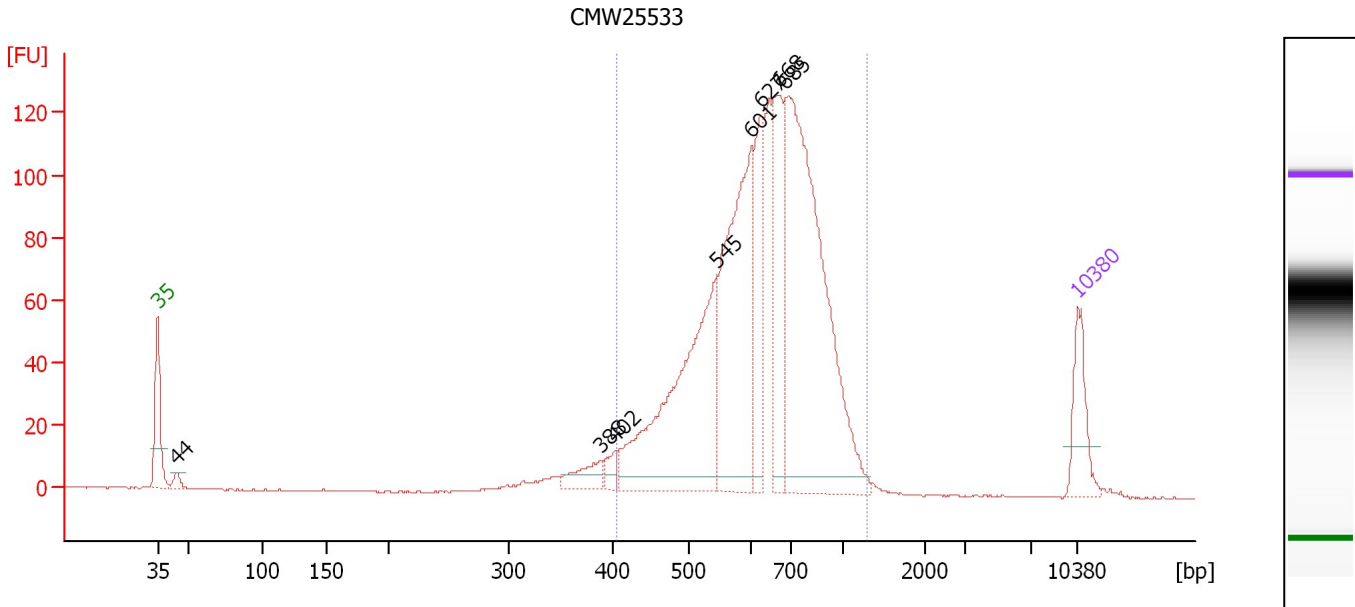
Region table for sample 8 : CMW23050

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
405	1,401	700	22,027.5	9,513.32	5,651.5	96	24.5

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-23\2014-05-23_005.xad

Created: 5/23/2014 12:19:46 PM
 Modified: 5/23/2014 1:00:54 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : CMW25533

Number of peaks found: 8 Corr. Area 1: 1,417.6
 Noise: 0.1

Peak table for sample 9 : CMW25533

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	44	18.75	644.3	
3	388	48.51	189.3	
4	402	25.71	96.8	
5	545	501.10	1,392.4	
6	601	456.78	1,150.9	
7	627	154.89	374.5	
8	668	203.46	461.5	
9	685	794.11	1,755.3	
10	10,380	75.00	10.9	Upper Marker

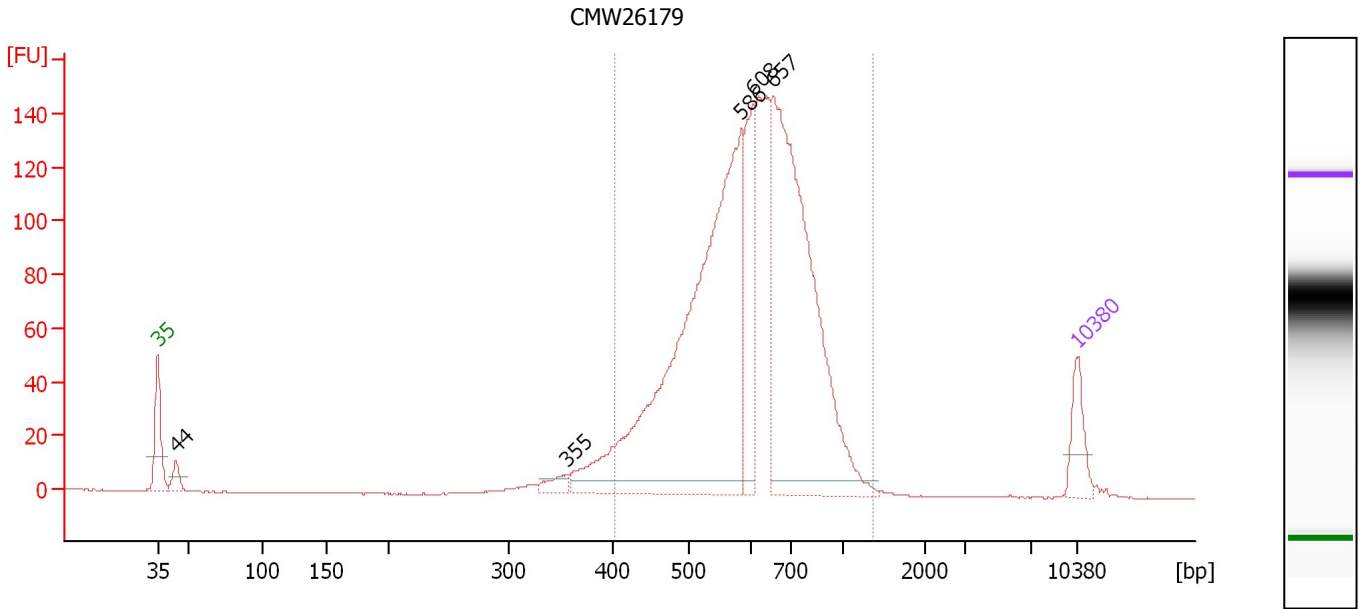
Region table for sample 9 : CMW25533

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. for Area	% of Total	Size distribution in CV [%]
404	1,283	660	5,616.3	2,312.25	1,417.6	94	22.3

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-23\2014-05-23_005.xad

Created: 5/23/2014 12:19:46 PM
 Modified: 5/23/2014 1:00:54 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : CMW26179

Number of peaks found: 5 Corr. Area 1: 1,697.9
 Noise: 0.1

Peak table for sample 10 : CMW26179

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	44	49.39	1,708.3	
3	355	33.17	141.6	
4	586	1,486.38	3,845.9	
5	608	267.65	667.4	
6	657	1,163.85	2,684.5	
7	10,380	75.00	10.9	Upper Marker

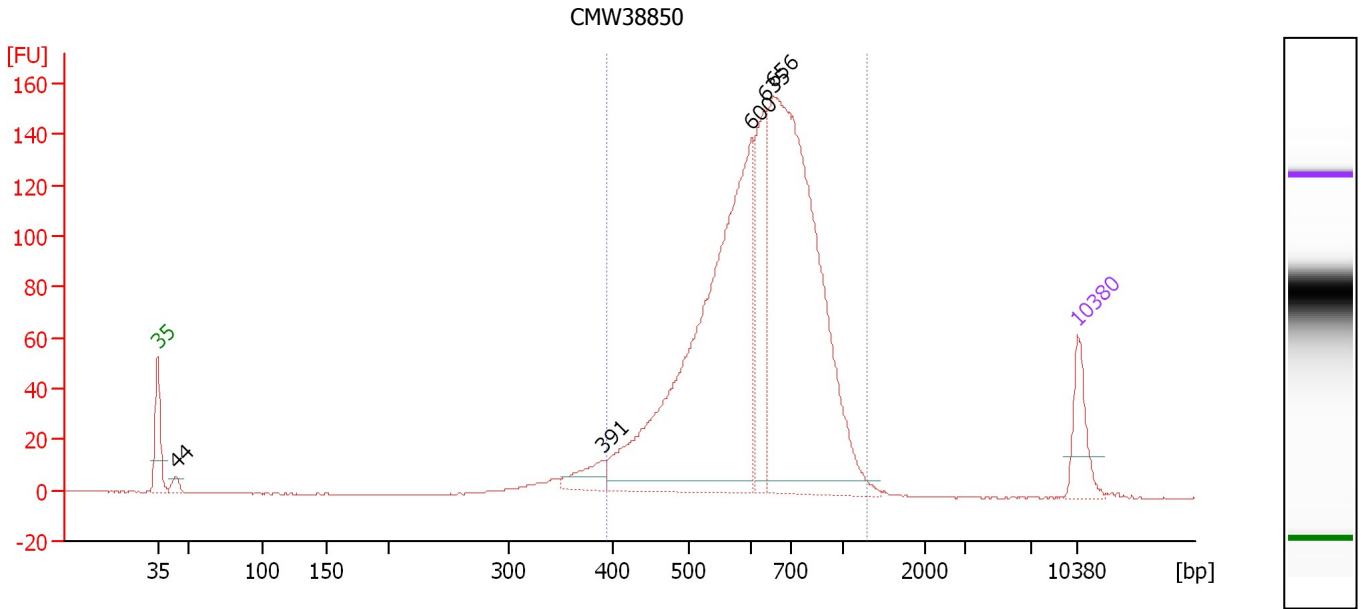
Region table for sample 10 : CMW26179

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
401	1,358	630	8,435.2	3,331.28	1,697.9	94	21.5

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-23\2014-05-23_005.xad

Created: 5/23/2014 12:19:46 PM
 Modified: 5/23/2014 1:00:54 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : CMW38850

Number of peaks found: 5 Corr. Area 1: 1,731.8
 Noise: 0.2

Peak table for sample 11 : CMW38850

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	44	22.26	773.5	
3	391	60.89	236.2	
4	600	1,130.25	2,855.5	
5	635	221.61	528.8	
6	656	1,188.30	2,745.0	
7	10,380	75.00	10.9	Upper Marker

Region table for sample 11 : CMW38850

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
394	1,280	650	6,595.6	2,675.72	1,731.8	95	22.1

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-23\2014-05-23_005.xad

Created: 5/23/2014 12:19:46 PM
Modified: 5/23/2014 1:00:54 PM

Gel Image

