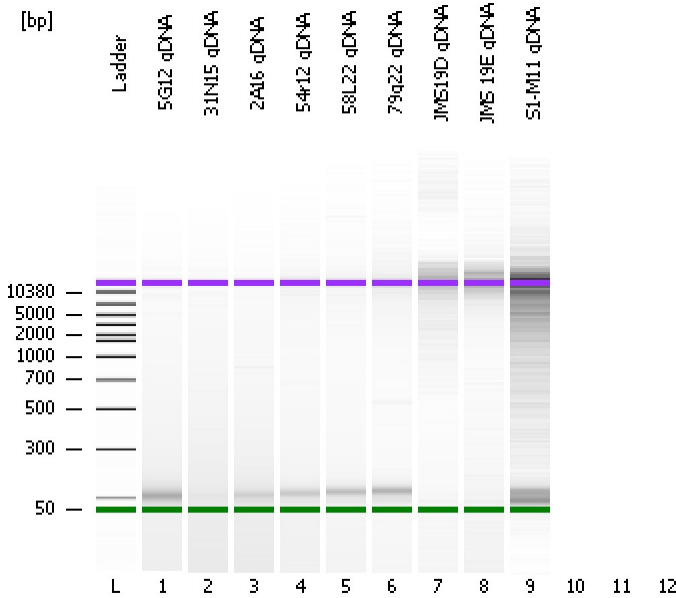


Assay Class: DNA 12000
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-09\2014-06-09_002.xad

Created: 6/9/2014 12:17:09 PM
Modified: 6/9/2014 12:49:22 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\DNA 12000 Series II.xsy

Assay Class: DNA 12000

Version: 2.4

Assay Comments: DNA Analysis 100 -12000 bp

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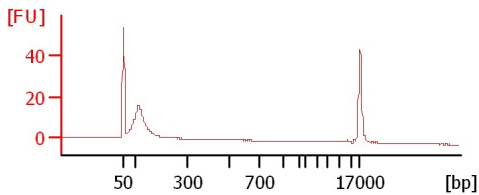
Chip Information:

Chip Lot #:

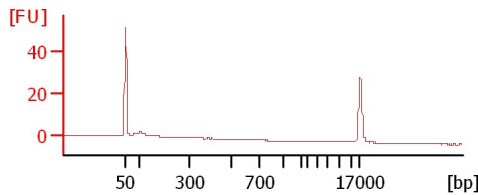
Reagent Kit Lot #:

Chip Comments:

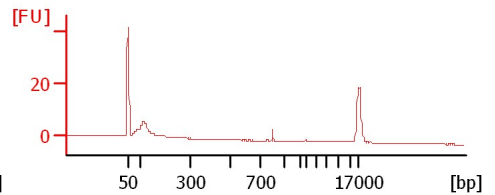
5G12 gDNA



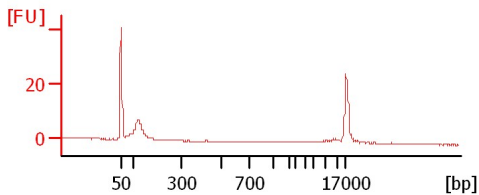
31N15 gDNA



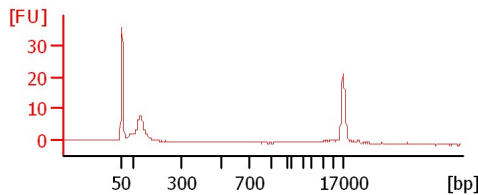
2A16 gDNA



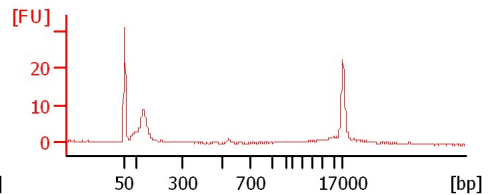
54r12 gDNA



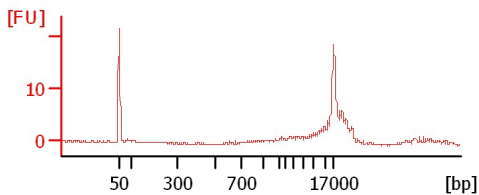
58L22 gDNA



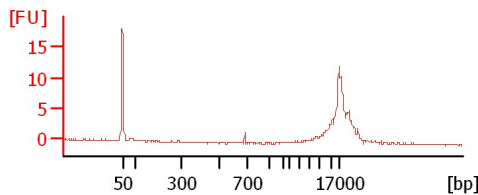
79g22 gDNA



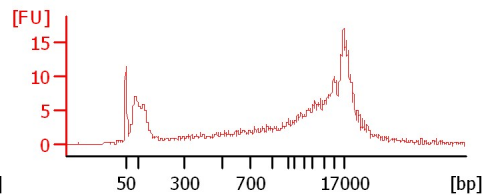
JMS19D gDNA



JMS 19E gDNA



S1-M11 gDNA



Assay Class: DNA 12000
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-09\2014-06-09_002.xad

Created: 6/9/2014 12:17:09 PM
 Modified: 6/9/2014 12:49:22 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
5G12 gDNA		<input type="checkbox"/>	✓			
31N15 gDNA		<input type="checkbox"/>	✓			
2A16 gDNA		<input type="checkbox"/>	✓			
54r12 gDNA		<input type="checkbox"/>	✓			
58L22 gDNA		<input type="checkbox"/>	✓			
79g22 gDNA		<input type="checkbox"/>	✓			
JMS19D gDNA		<input type="checkbox"/>	✓			
JMS 19E gDNA		<input type="checkbox"/>	✓			
S1-M11 gDNA		<input type="checkbox"/>	✓			
		<input type="checkbox"/>				
		<input type="checkbox"/>				
Ladder		<input type="checkbox"/>	✓			

Chip Lot # **Reagent Kit Lot #**

Chip Comments :

Assay Class: DNA 12000
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-09\2014-06-09_002.xad

Created: 6/9/2014 12:17:09 PM
Modified: 6/9/2014 12:49:22 PM

Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 13
Minimum Visible Range [s] : 20
Maximum Visible Range [s] : 99
Start Analysis Time Range [s] : 20
End Analysis Time Range [s] : 98.95
Ladder Concentration [ng/μl] : 44
Uses Standard Area for Ladder Fragments
Lower Marker Concentration [ng/μl] : 8.3
Upper Marker Concentration [ng/μl] : 4.2
Used Upper Marker for Quantitation
This is a Qualitative Assay Only
Standard Curve Fit is Point to Point
Show Data Aligned to Lower and Upper Marker

Integrator Settings

Integration Start Time [s] : 20
Integration End Time [s] : 98.95
Slope Threshold : 0.8
Height Threshold [FU] : 20
Area Threshold : 0.1
Width Threshold [s] : 0.5
Baseline Plateau [s] : 0.5

Filter Settings

Filter Width [s] : 0.5
Polynomial Order : 4

Ladder

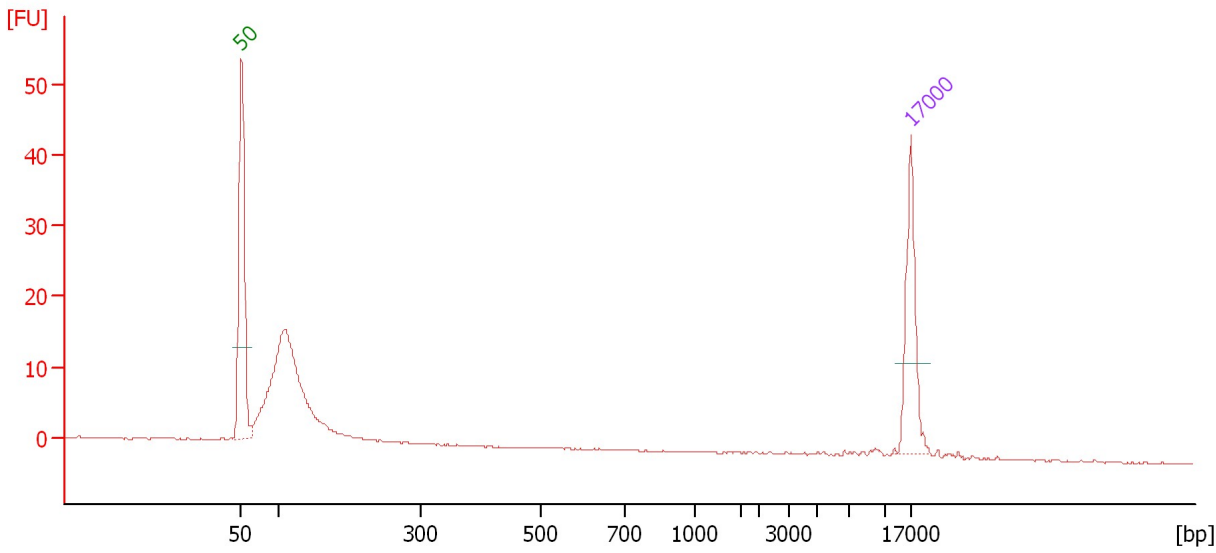
Ladder Peak	Size	Area
1	50	120
2	100	48
3	300	61
4	500	77
5	700	81
6	1000	86
7	1500	92
8	2000	92
9	3000	96
10	5000	100
11	7000	98
12	10380	102
13	17000	110

Assay Class: DNA 12000
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-09\2014-06-09_002.xad

Created: 6/9/2014 12:17:09 PM
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Electropherogram Summary

5G12 gDNA



Overall Results for sample 1 : 5G12 gDNA

Number of peaks found: 0

Peak table for sample 1 : 5G12 gDNA

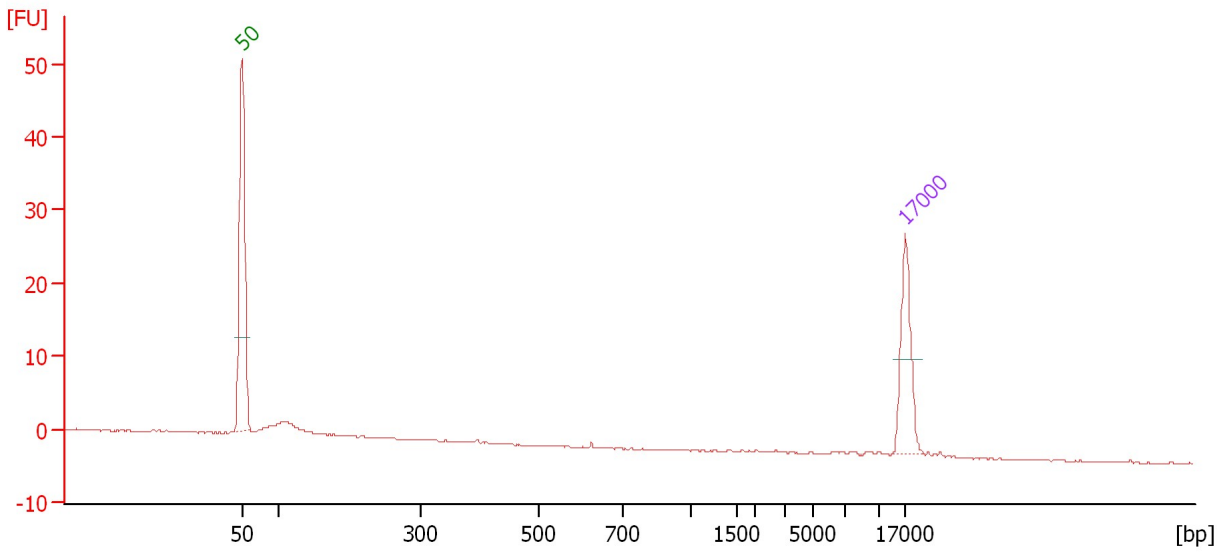
Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	17,000	4.20	0.4	Upper Marker

Assay Class: DNA 12000
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-09\2014-06-09_002.xad

Created: 6/9/2014 12:17:09 PM
Modified: 6/9/2014 12:49:22 PM

Electropherogram Summary Continued ...

31N15 gDNA



Overall Results for sample 2 : 31N15 gDNA

Number of peaks found: 0

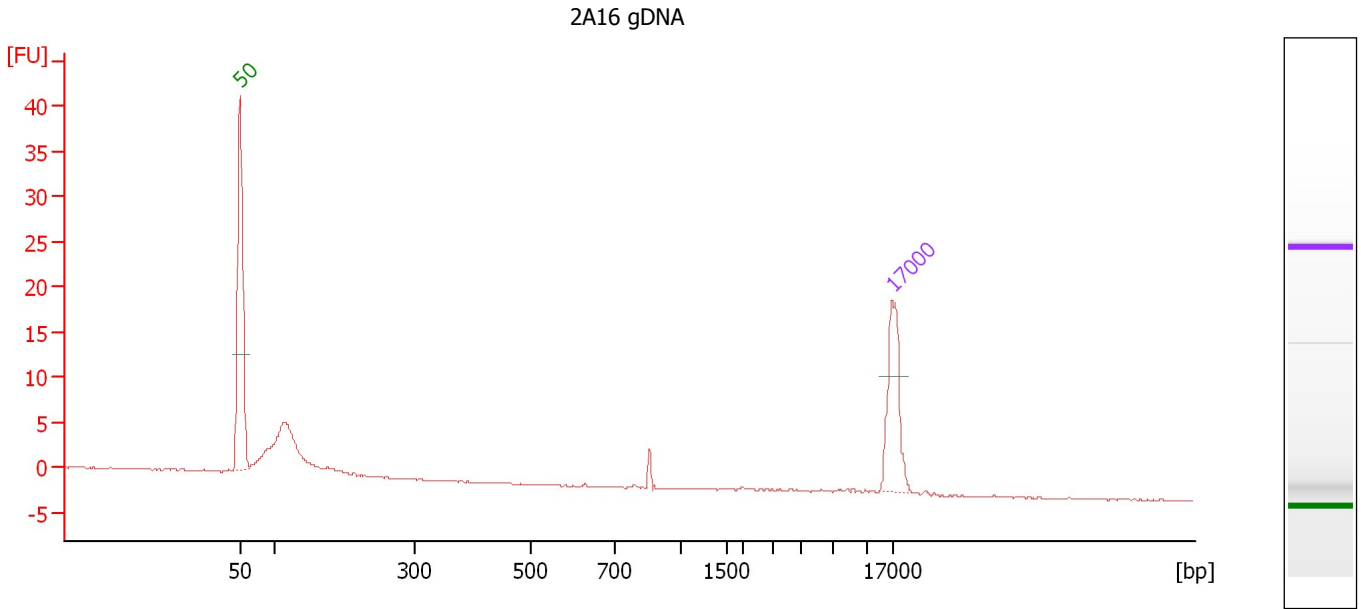
Peak table for sample 2 : 31N15 gDNA

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	17,000	4.20	0.4	Upper Marker

Assay Class: DNA 12000
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-09\2014-06-09_002.xad

Created: 6/9/2014 12:17:09 PM
Modified: 6/9/2014 12:49:22 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : 2A16 gDNA

Number of peaks found: 0

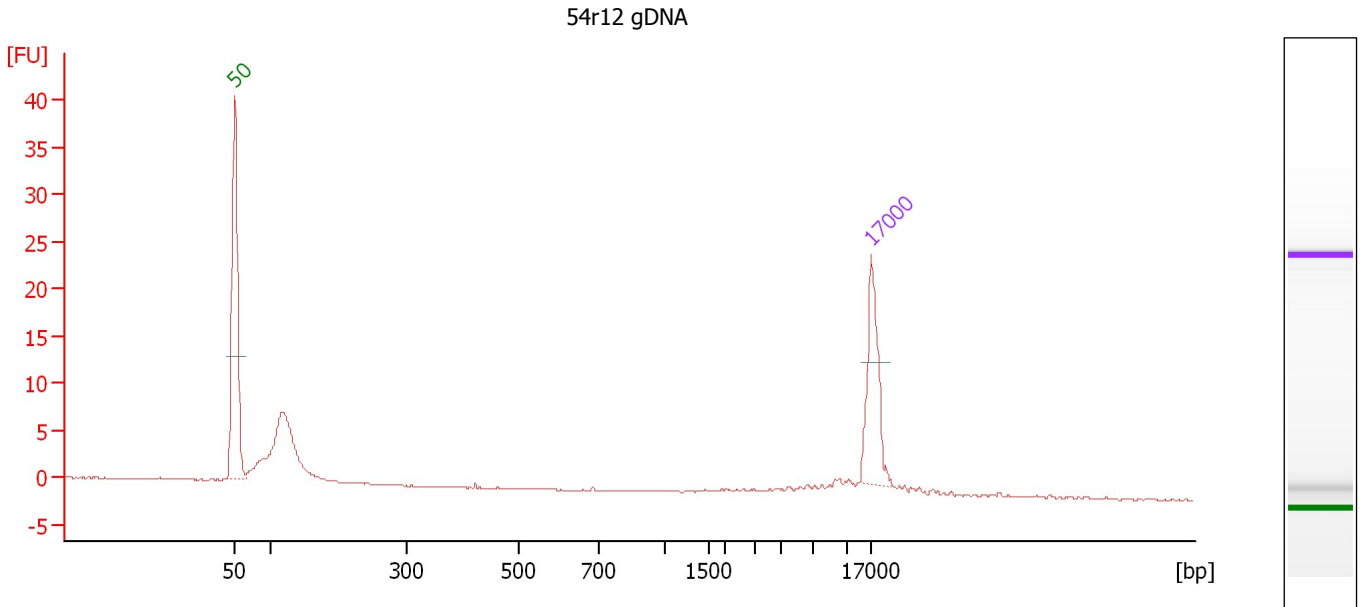
Peak table for sample 3 : 2A16 gDNA

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	17,000	4.20	0.4	Upper Marker

Assay Class: DNA 12000
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-09\2014-06-09_002.xad

Created: 6/9/2014 12:17:09 PM
Modified: 6/9/2014 12:49:22 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : 54r12 gDNA

Number of peaks found: 0

Peak table for sample 4 : 54r12 gDNA

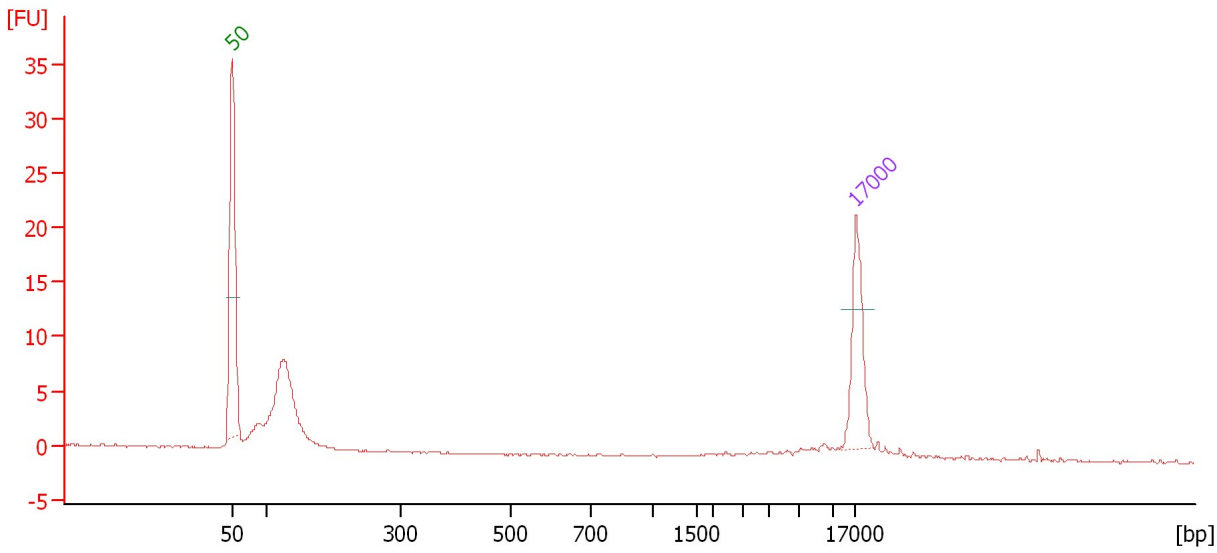
Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	17,000	4.20	0.4	Upper Marker

Assay Class: DNA 12000
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-09\2014-06-09_002.xad

Created: 6/9/2014 12:17:09 PM
Modified: 6/9/2014 12:49:22 PM

Electropherogram Summary Continued ...

58L22 gDNA



Overall Results for sample 5 : 58L22 gDNA

Number of peaks found: 0

Peak table for sample 5 : 58L22 gDNA

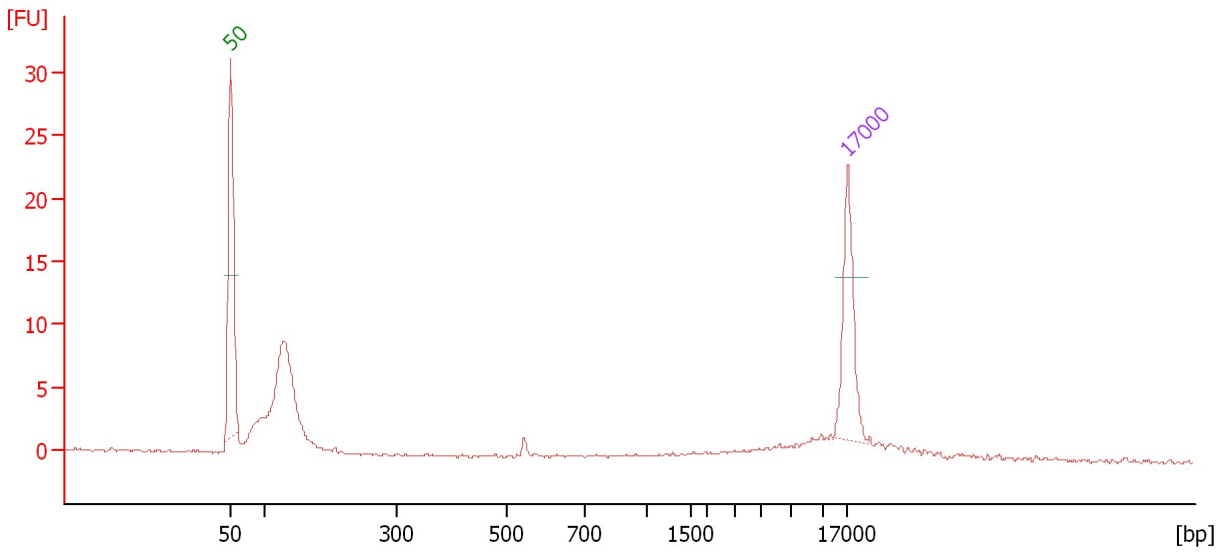
Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	17,000	4.20	0.4	Upper Marker

Assay Class: DNA 12000
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-09\2014-06-09_002.xad

Created: 6/9/2014 12:17:09 PM
Modified: 6/9/2014 12:49:22 PM

Electropherogram Summary Continued ...

79g22 gDNA



Overall Results for sample 6 : 79g22 gDNA

Number of peaks found: 0

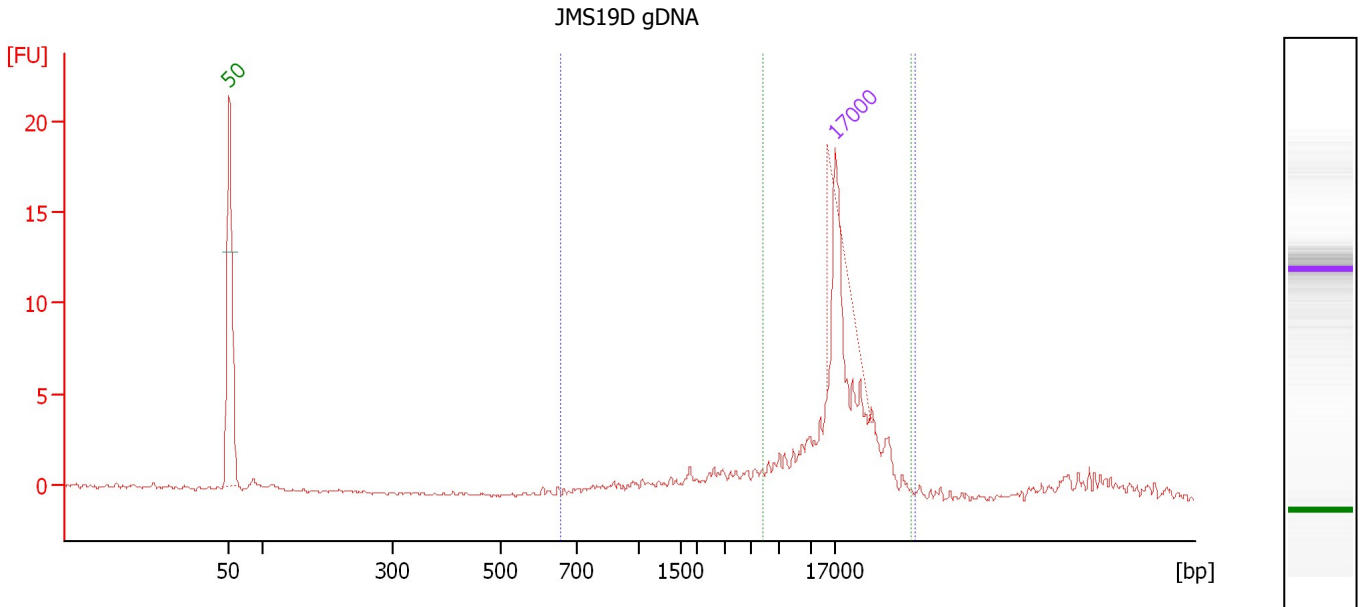
Peak table for sample 6 : 79g22 gDNA

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	17,000	4.20	0.4	Upper Marker

Assay Class: DNA 12000
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-09\2014-06-09_002.xad

Created: 6/9/2014 12:17:09 PM
 Modified: 6/9/2014 12:49:22 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : JMS19D gDNA

Number of peaks found: 0 Area 2: 16.0
 Area 1: 23.9

Peak table for sample 7 : JMS19D gDNA

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	17,000	4.20	0.4	Upper Marker

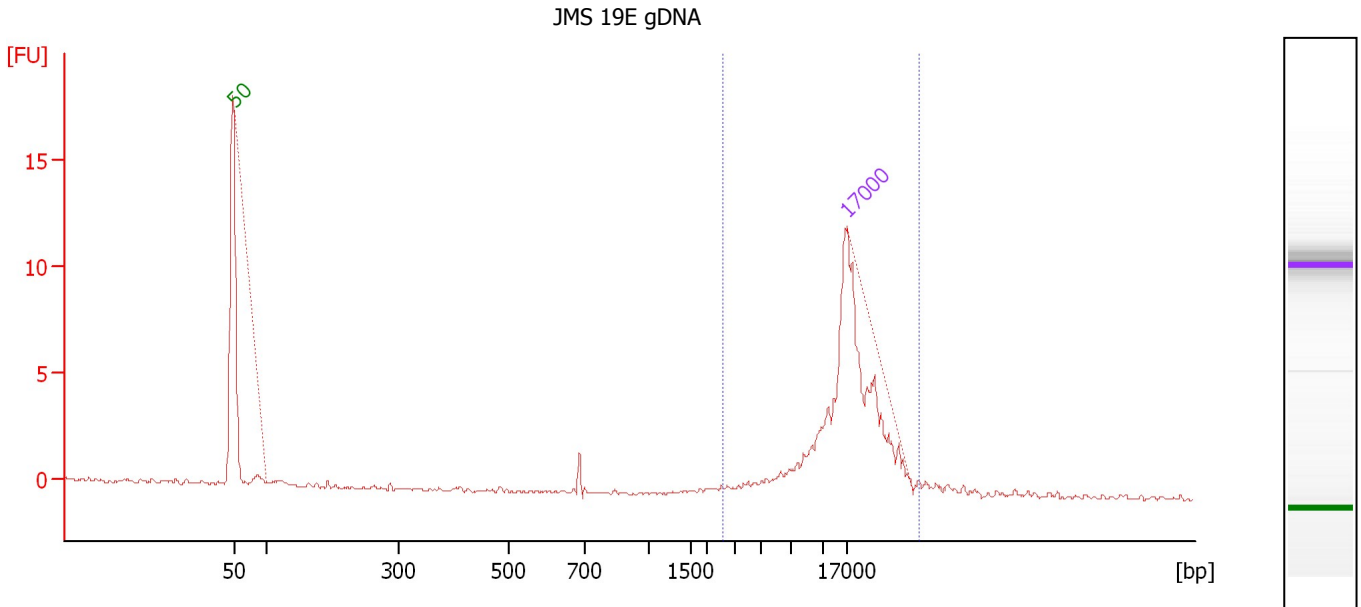
Region table for sample 7 : JMS19D gDNA

From [bp]	To [bp]	Average Size [bp]	Conc. [ng/μl]	Col Area or	% of Total	Size distribution in CV [%]
659	39,981	15,943	184.27	23.9	78	54.9
5,829	38,361	18,505	118.92	16.0	52	38.0

Assay Class: DNA 12000
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-09\2014-06-09_002.xad

Created: 6/9/2014 12:17:09 PM
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Electropherogram Summary Continued ...



Overall Results for sample 8 : JMS 19E gDNA

Number of peaks found: 0 Area 1: 16.4

Peak table for sample 8 : JMS 19E gDNA

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	17,000	4.20	0.4	Upper Marker

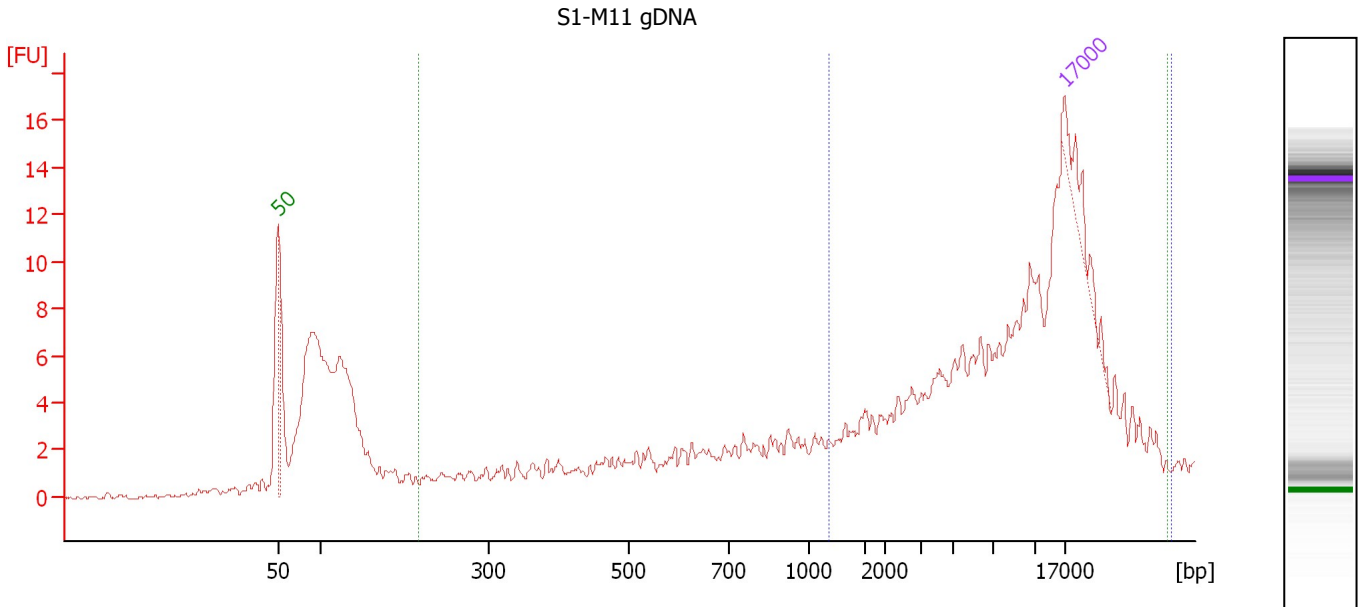
Region table for sample 8 : JMS 19E gDNA

From [bp]	To [bp]	Average Size [bp]	Conc. [ng/μl]	Col Area or	% of Total	Size distribution in CV [%]
2,574	37,280	17,681	0.00	16.4	67	39.9

Assay Class: DNA 12000
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-09\2014-06-09_002.xad

Created: 6/9/2014 12:17:09 PM
 Modified: 6/9/2014 12:49:22 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : S1-M11 gDNA

Number of peaks found: 0 Area 2: 111.4
 Area 1: 78.6

Peak table for sample 9 : S1-M11 gDNA

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	17,000	4.20	0.4	Upper Marker

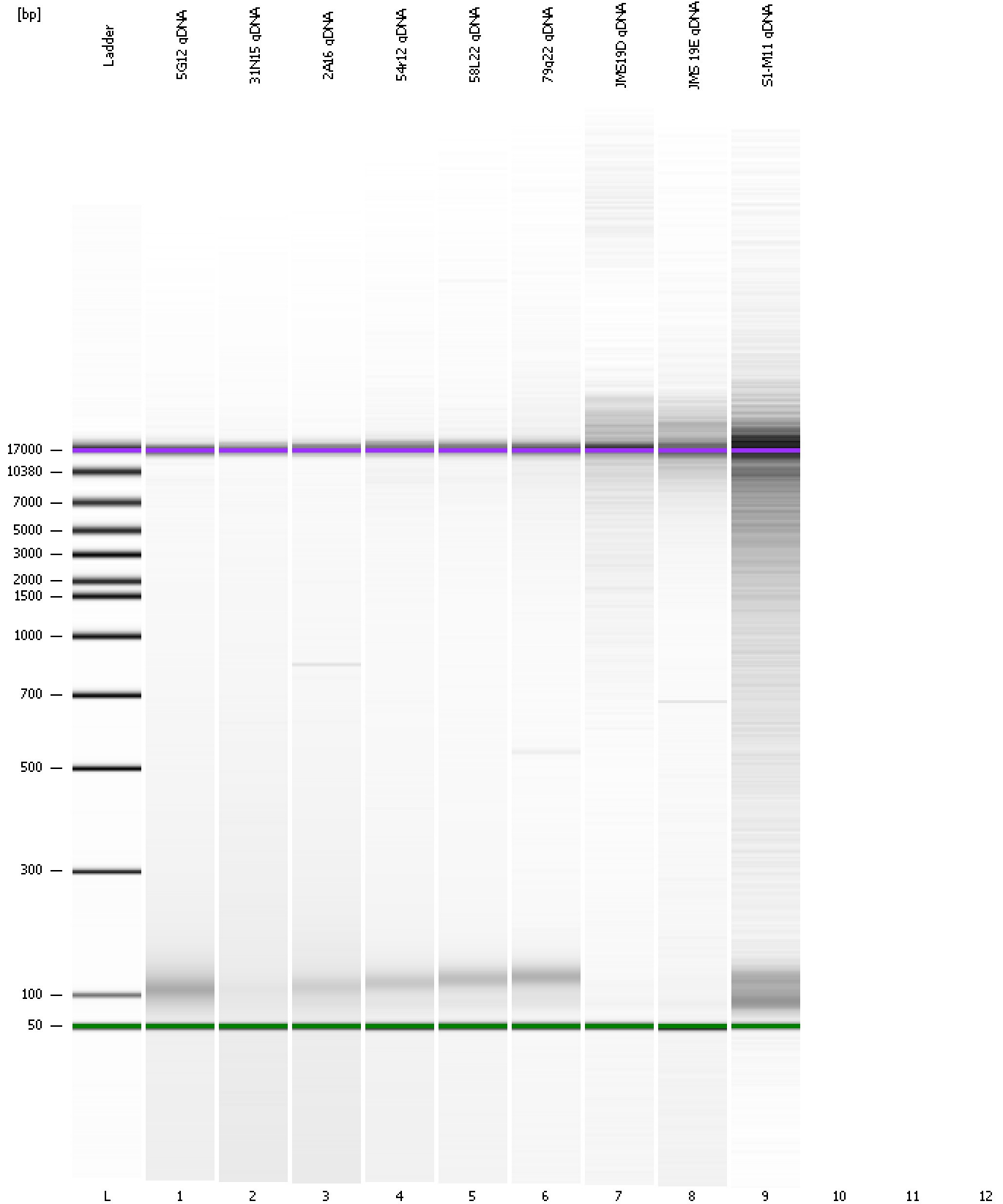
Region table for sample 9 : S1-M11 gDNA

From [bp]	To [bp]	Average Size [bp]	Conc. [ng/μl]	Col Area or	% of Total	Size distribution in CV [%]
216	39,389	10,001	150.67	111.4	74	95.5
1,175	40,478	12,924	97.13	78.6	52	71.7

Assay Class: DNA 12000
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-09\2014-06-09_002.xad

Created: 6/9/2014 12:17:09 PM
Modified: 6/9/2014 12:49:22 PM

Gel Image



Assay Class: DNA 12000
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-09\2014-06-09_002.xad

Created: 6/9/2014 12:17:09 PM
Modified: 6/9/2014 12:49:22 PM

Invalid Samples

Sample 10 has not been run, no results available.

Sample 11 has not been run, no results available.

Sample 12 has not been run, no results available.