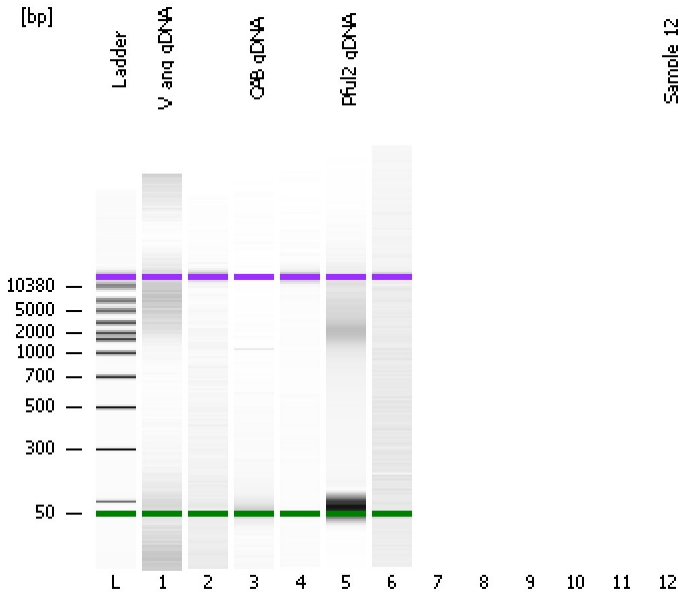


Assay Class: DNA 12000
Data Path: C:\...ents and Settings\Bioanalyzer\2013-09-16\2013-09-16_001.xad

Created: 9/16/2013 9:33:09 AM
Modified: 9/16/2013 12:03:40 PM

Electrophoresis File Run Summary



Sample 12

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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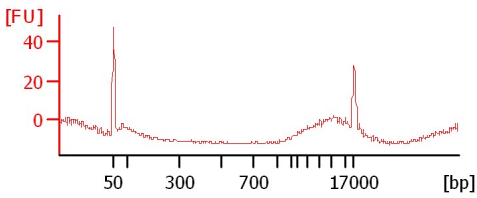
Chip Information:

Chip Lot #:

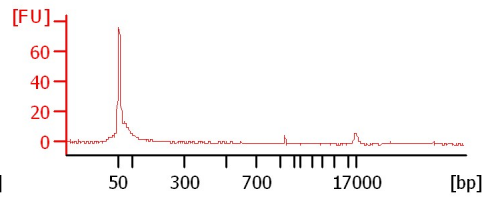
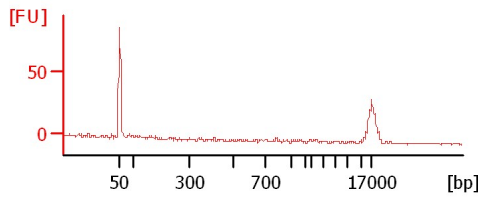
Reagent Kit Lot #:

Chip Comments:

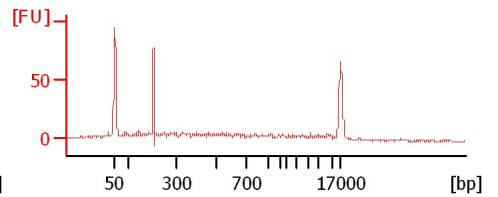
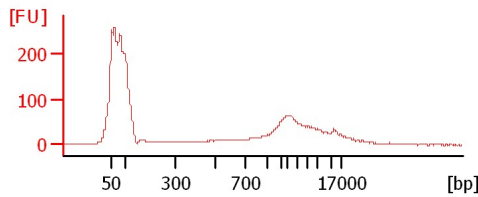
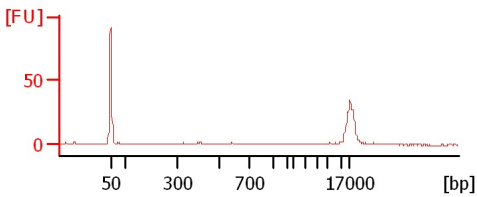
V_ang gDNA



CAB gDNA



PfuI2 gDNA



Assay Class: DNA 12000
Data Path: C:\...ents and Settings\Bioanalyzer\2013-09-16\2013-09-16_001.xad

Created: 9/16/2013 9:33:09 AM
Modified: 9/16/2013 12:03:40 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
V_ang gDNA		<input type="checkbox"/>	<input checked="" type="checkbox"/>			
CAB gDNA		<input type="checkbox"/>	<input checked="" type="checkbox"/>			
Pful2 gDNA		<input type="checkbox"/>	<input checked="" type="checkbox"/>			
		<input type="checkbox"/>	<input checked="" type="checkbox"/>			
		<input type="checkbox"/>	<input checked="" type="checkbox"/>			
		<input type="checkbox"/>	<input checked="" type="checkbox"/>			
		<input type="checkbox"/>	<input checked="" type="checkbox"/>			
		<input type="checkbox"/>	<input checked="" type="checkbox"/>			
Sample 12		<input type="checkbox"/>	<input checked="" type="checkbox"/>			
Ladder		<input type="checkbox"/>	<input checked="" type="checkbox"/>			
Chip Lot #				Reagent Kit Lot #		

Chip Comments :

Assay Class: DNA 12000
Data Path: C:\...ents and Settings\Bioanalyzer\2013-09-16\2013-09-16_001.xad

Created: 9/16/2013 9:33:09 AM
Modified: 9/16/2013 12:03:40 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

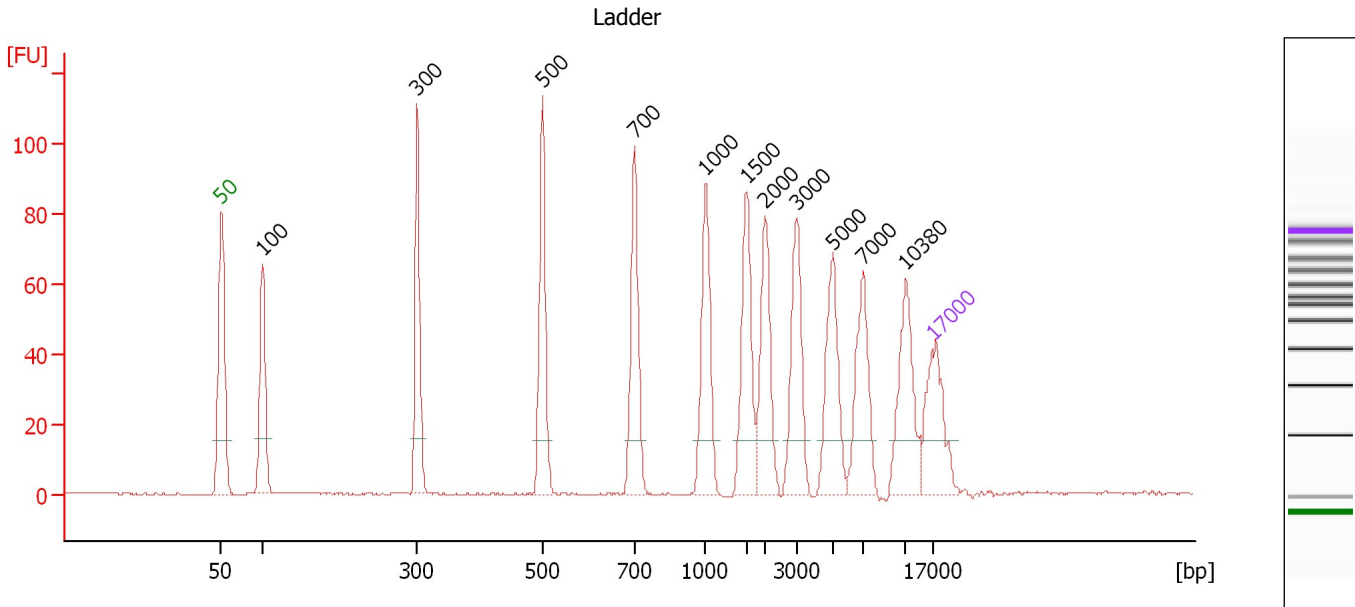
Ladder

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:\...ents and Settings\Bioanalyzer\2013-09-16\2013-09-16_001.xad

Created: 9/16/2013 9:33:09 AM
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Electropherogram Summary



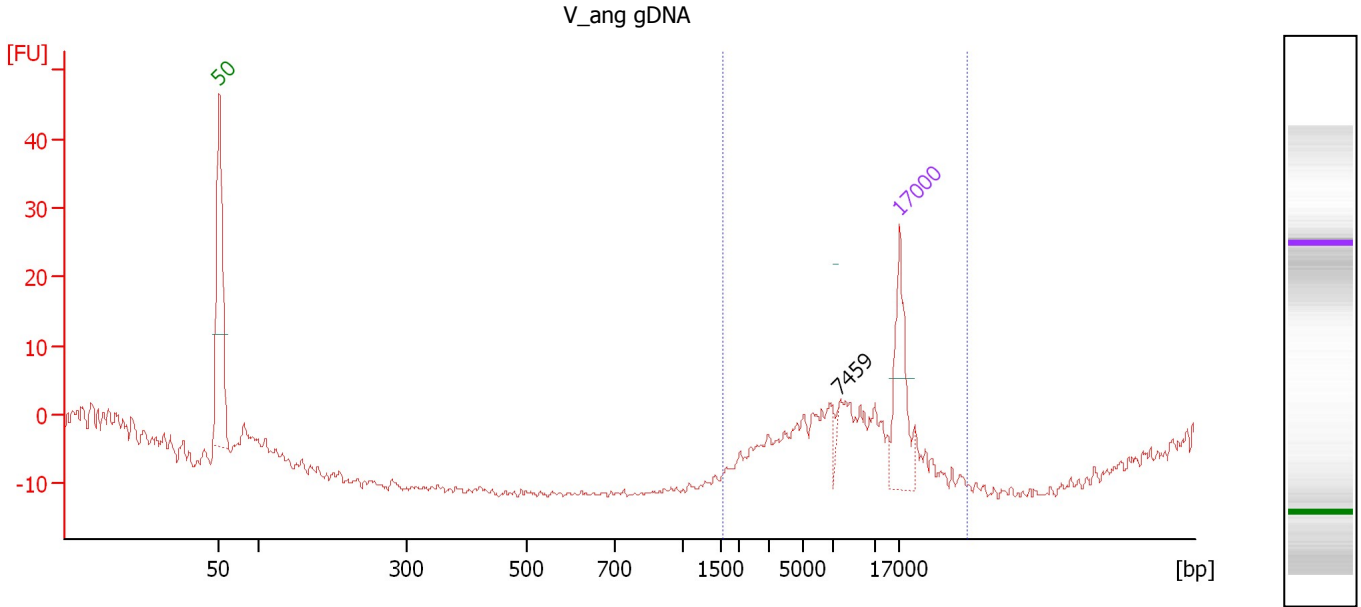
Peak table for Ladder

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	100	4.00	60.6	Ladder Peak
3	300	4.00	20.2	Ladder Peak
4	500	4.00	12.1	Ladder Peak
5	700	4.00	8.7	Ladder Peak
6	1,000	4.00	6.1	Ladder Peak
7	1,500	4.00	4.0	Ladder Peak
8	2,000	4.00	3.0	Ladder Peak
9	3,000	4.00	2.0	Ladder Peak
10	5,000	4.00	1.2	Ladder Peak
11	7,000	4.00	0.9	Ladder Peak
12	10,380	4.00	0.6	Ladder Peak
13	17,000	4.20	0.4	Upper Marker

Assay Class: DNA 12000
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-09-16\2013-09-16_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 1 : V_ang gDNA

Number of peaks found: 1 Area 1: 6.6

Peak table for sample 1 : V_ang gDNA

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	7,459	0.33	0.1	
3	17,000	4.20	0.4	Upper Marker

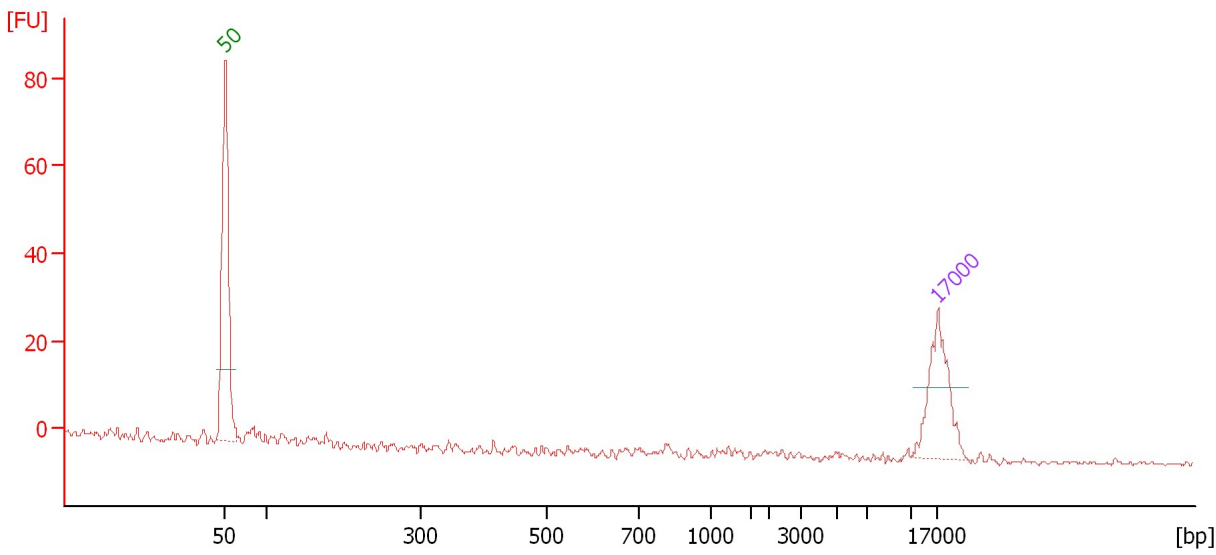
Region table for sample 1 : V_ang gDNA

From [bp]	To [bp]	Average Size [bp]	Conc. [ng/μl]	Area	% of Total	Size distribution in CV [%]	Color
1,531	34,809	14,422	0.86	6.6	92	30.2	Blue

Assay Class: DNA 12000
Data Path: C:\...ents and Settings\Bioanalyzer\2013-09-16\2013-09-16_001.xad

Created: 9/16/2013 9:33:09 AM
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Electropherogram Summary Continued ...



Overall Results for sample 2 :

Number of peaks found: 0

Peak table for sample 2 :

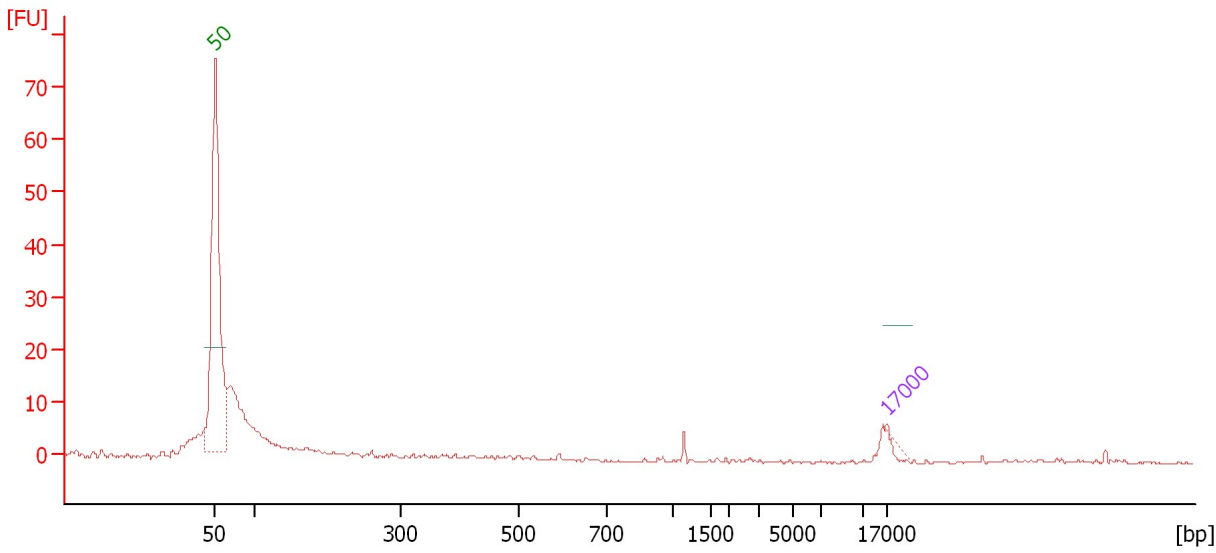
Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	17,000	4.20	0.4	Upper Marker

Assay Class: DNA 12000
Data Path: C:\...ents and Settings\Bioanalyzer\2013-09-16\2013-09-16_001.xad

Created: 9/16/2013 9:33:09 AM
Modified: 9/16/2013 12:03:40 PM

Electropherogram Summary Continued ...

CAB gDNA



Overall Results for sample 3 : CAB gDNA

Number of peaks found: 0

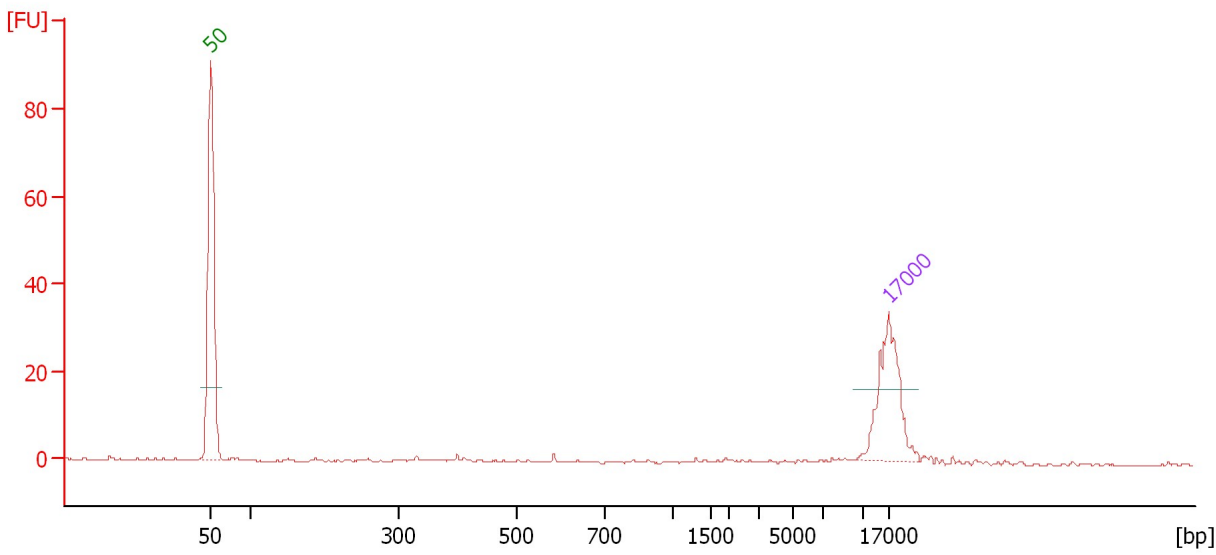
Peak table for sample 3 : CAB gDNA

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:\...ents and Settings\Bioanalyzer\2013-09-16\2013-09-16_001.xad

Created: 9/16/2013 9:33:09 AM
Modified: 9/16/2013 12:03:40 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 :

Number of peaks found: 0

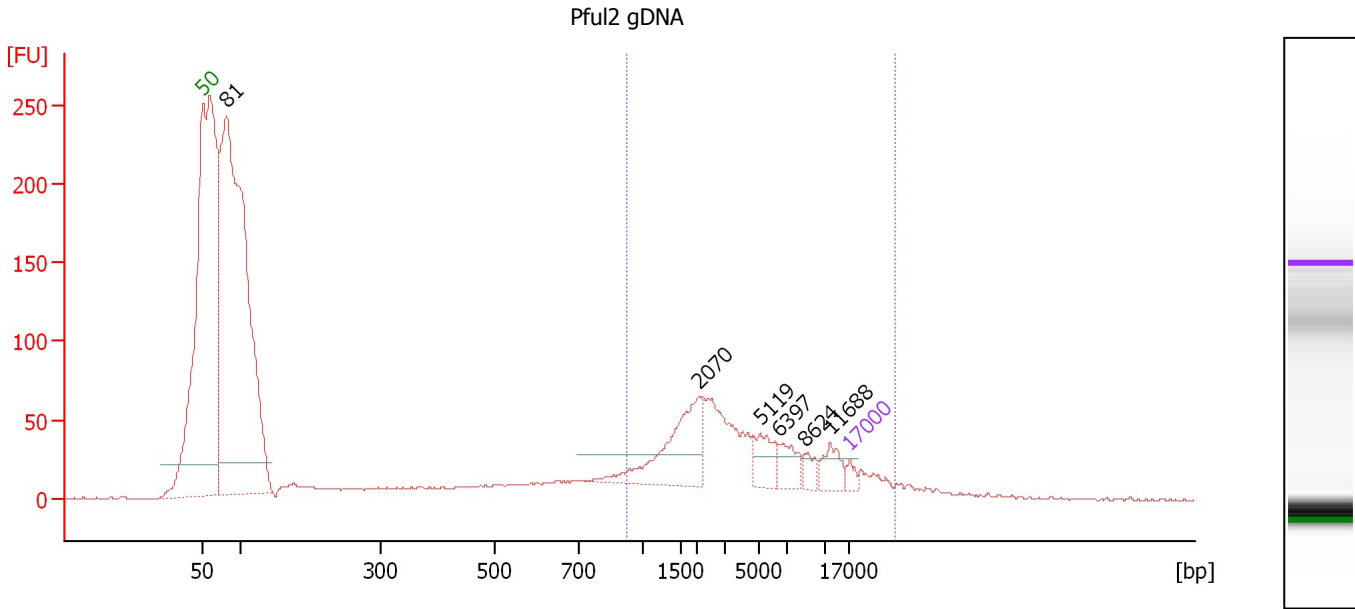
Peak table for sample 4 :

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:\...ents and Settings\Bioanalyzer\2013-09-16\2013-09-16_001.xad

Created: 9/16/2013 9:33:09 AM
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Electropherogram Summary Continued ...



Overall Results for sample 5 : Pful2 gDNA

Number of peaks found: 6 Area 1: 617.2

Peak table for sample 5 : Pful2 gDNA

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	81	300.51	5,601.8	
3	2,070	52.51	38.4	
4	5,119	15.20	4.5	
5	6,397	13.20	3.1	
6	8,624	6.03	1.1	
7	11,688	12.29	1.6	
8	17,000	4.20	0.4	Upper Marker

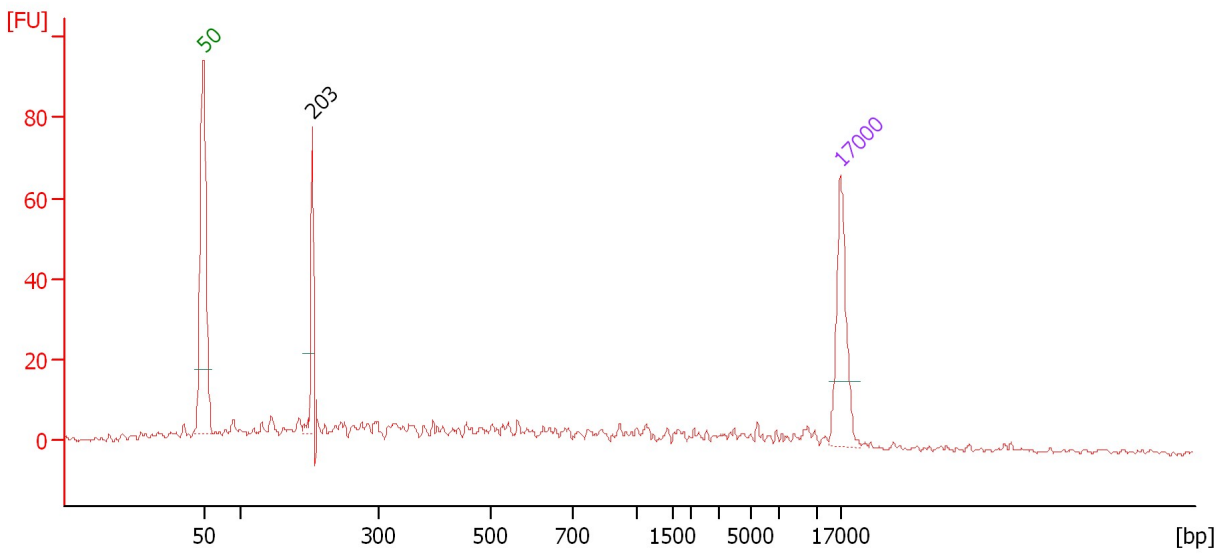
Region table for sample 5 : Pful2 gDNA

From [bp]	To [bp]	Average Size [bp]	Conc. [ng/μl]	Area	% of Total	Size distribution in CV [%]	Color
923	29,260	5,843	194.95	617.2	44	100.0	Blue

Assay Class: DNA 12000
Data Path: C:\...ents and Settings\Bioanalyzer\2013-09-16\2013-09-16_001.xad

Created: 9/16/2013 9:33:09 AM
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Electropherogram Summary Continued ...



Overall Results for sample 6 :

Number of peaks found: 1

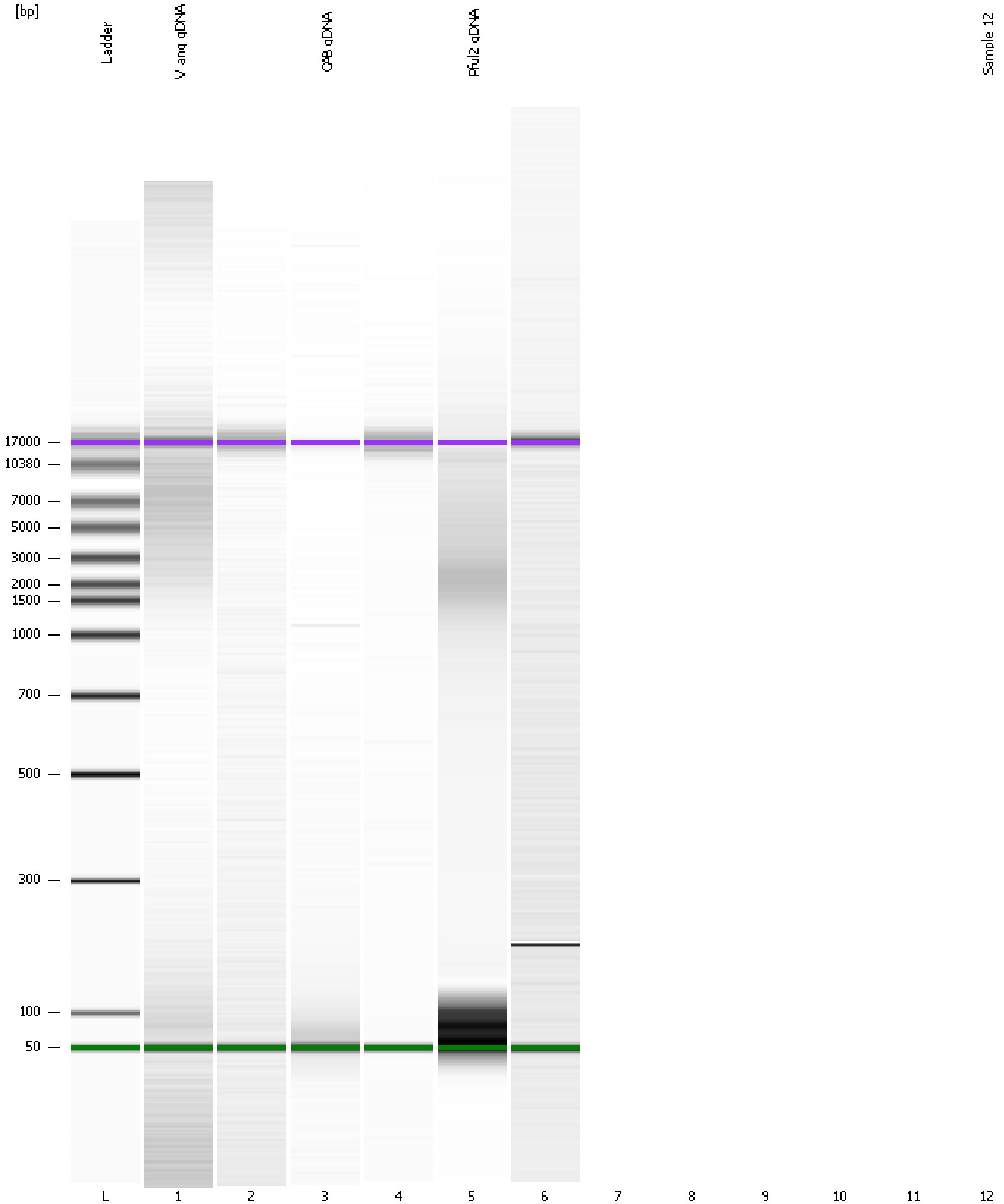
Peak table for sample 6 :

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	203	2.53	18.9	
3	17,000	4.20	0.4	Upper Marker

Assay Class: DNA 12000
Data Path: C:\...ents and Settings\Bioanalyzer\2013-09-16\2013-09-16_001.xad

Created: 9/16/2013 9:33:09 AM
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Gel Image



Assay Class: DNA 12000
Data Path: C:\...ents and Settings\Bioanalyzer\2013-09-16\2013-09-16_001.xad

Created: 9/16/2013 9:33:09 AM
Modified: 9/16/2013 12:03:40 PM

Invalid Samples

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.

Sample 12 has not been run, no results available.