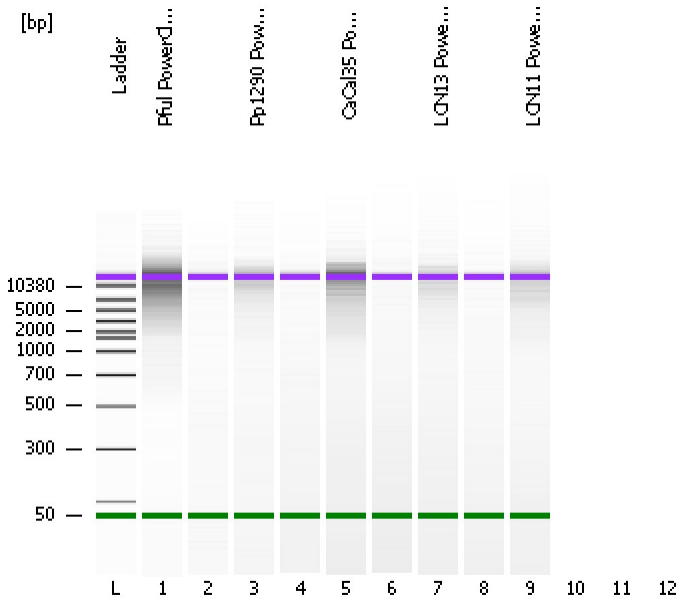


Assay Class: DNA 12000  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-03-04\2014-03-04\_001.xad

Created: 3/4/2014 10:13:38 AM  
Modified: 3/4/2014 10:52:25 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\DNA 12000 Series II.xsy

Assay Class: DNA 12000

Version: 2.4

Assay Comments: DNA Analysis 100 -12000 bp

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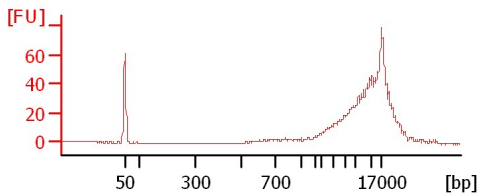
#### Chip Information:

Chip Lot #:

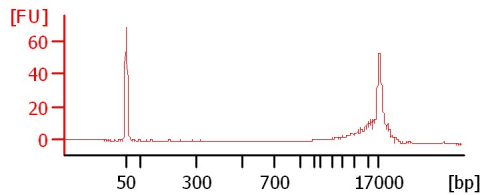
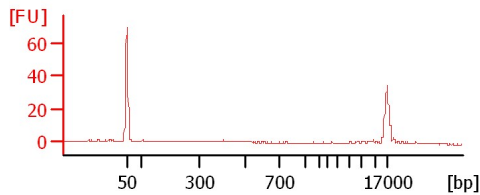
Reagent Kit Lot #:

Chip Comments:

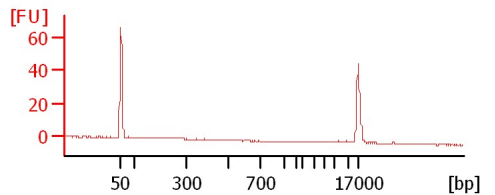
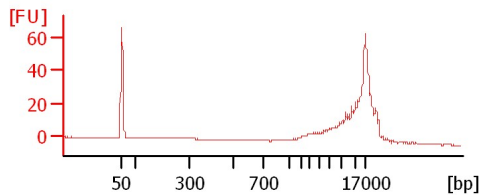
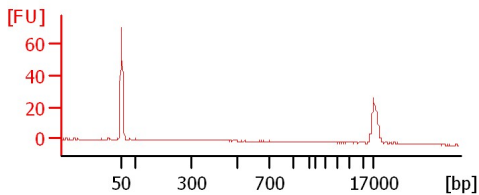
Pful PowerCleaned gDNA



Pp1290 PowerCleaned gDNA

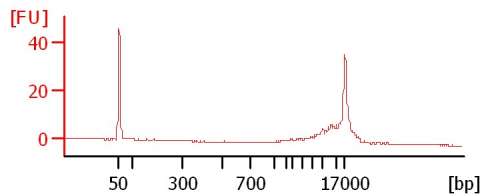
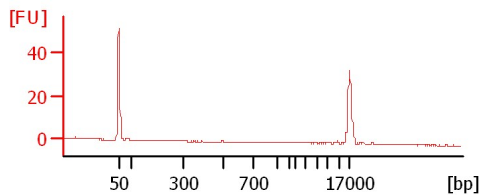
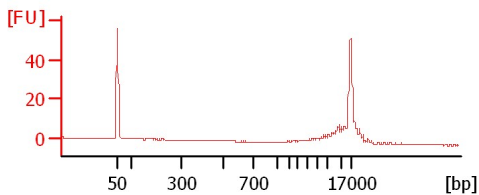


CaCal35 PowerCleaned gDNA



LCN13 PowerCleaned gDNA

LCN11 PowerCleaned gDNA



Assay Class: DNA 12000  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-03-04\2014-03-04\_001.xad

Created: 3/4/2014 10:13:38 AM  
Modified: 3/4/2014 10:52:25 AM

**Electrophoresis File Run Summary (Chip Summary)**

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
Pful PowerCleaned gDNA		<input type="checkbox"/>	✓			
Pp1290 PowerCleaned gDNA		<input type="checkbox"/>	✓			
CaCal35 PowerCleaned gDNA		<input type="checkbox"/>	✓			
LCN13 PowerCleaned gDNA		<input type="checkbox"/>	✓			
LCN11 PowerCleaned gDNA		<input type="checkbox"/>	✓			
		<input type="checkbox"/>				
		<input type="checkbox"/>				
Ladder		<input type="checkbox"/>	✓			
<b>Chip Lot #</b>				<b>Reagent Kit Lot #</b>		

**Chip Comments :**

Assay Class: DNA 12000  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-03-04\2014-03-04\_001.xad

Created: 3/4/2014 10:13:38 AM  
Modified: 3/4/2014 10:52:25 AM

**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

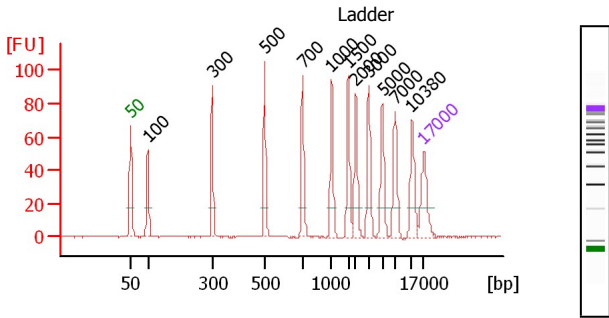
**Ladder**

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\2014-03-04\2014-03-04\_001.xad

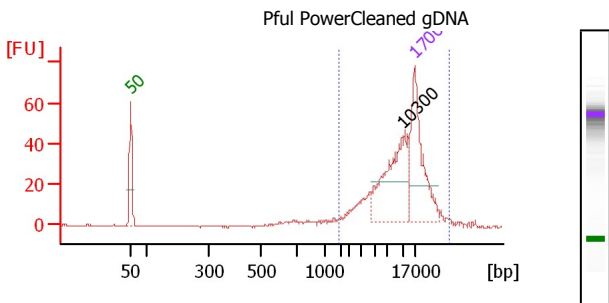
Created: 3/4/2014 10:13:38 AM  
 Modified: 3/4/2014 10:52:25 AM

**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



**Peak table for sample 1 :**

**Pful PowerCleaned gDNA**

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	10,300	4.51	0.7	
3	17,000	4.20	0.4	Upper Marker

**Overall Results for sample 1 :** Pful PowerCleaned gDNA

Number of peaks found: 1  
 Area 1: 260.8

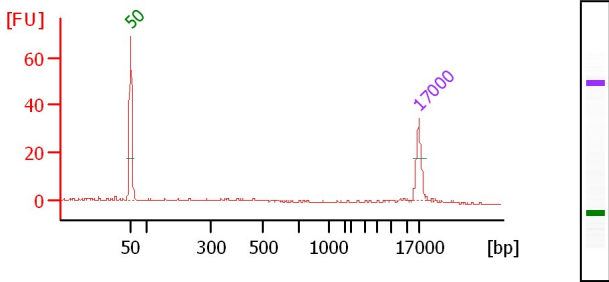
**Region table for sample 1 :** Pful PowerCleaned gDNA

From [bp]	To [bp]	Average Size [bp]	Conc. [ng/μl]	Area	Size distribution in CV [%]	% of Total
1,443	36,254	12,920	6.43	260.8	57.8	89

Assay Class: DNA 12000  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-03-04\2014-03-04\_001.xad

Created: 3/4/2014 10:13:38 AM  
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**Electropherogram Summary Continued ...**

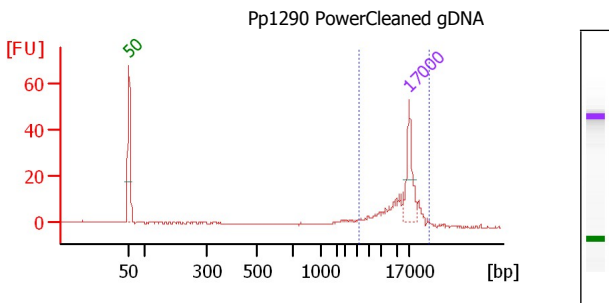


**Overall Results for sample 2 :**

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



**Overall Results for sample 3 :** Pp1290 PowerCleaned gDNA

Number of peaks found: 0

Area 1: 61.1

**Region table for sample 3 :** Pp1290 PowerCleaned gDNA

From [bp]	To [bp]	Average Size [bp]	Conc. [ng/μl]	Area	C Size o distribution I in CV [%]	% of Total
3,452	28,857	14,529	4.36	61.1	39.0	65

**Peak table for sample 3 :**

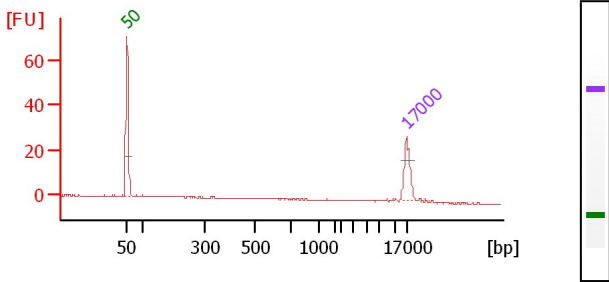
Pp1290 PowerCleaned gDNA

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\2014-03-04\2014-03-04\_001.xad

Created: 3/4/2014 10:13:38 AM  
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**Electropherogram Summary Continued ...**

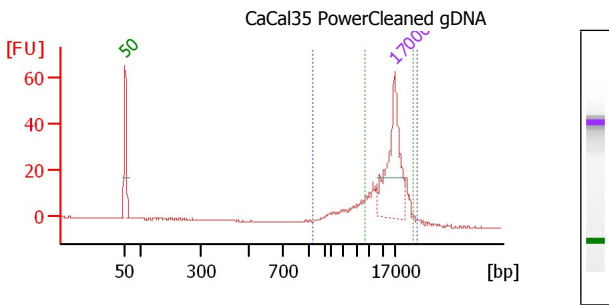


**Overall Results for sample 4 :**

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



**Overall Results for sample 5 :** CaCal35 PowerCleaned gDNA

Number of peaks found: 0

Area 1: 100.2

Area 2: 48.2

**Region table for sample 5 :** CaCal35 PowerCleaned gDNA

From [bp]	To [bp]	Average Size [bp]	Conc. [ng/μl]	Area	C Size o distribution I in CV [%]	% of Total
1,082	30,793	13,343	3.28	100.2	51.9	83
6,391	27,623	15,399	1.53	48.2	34.9	40

**Peak table for sample 5 :**

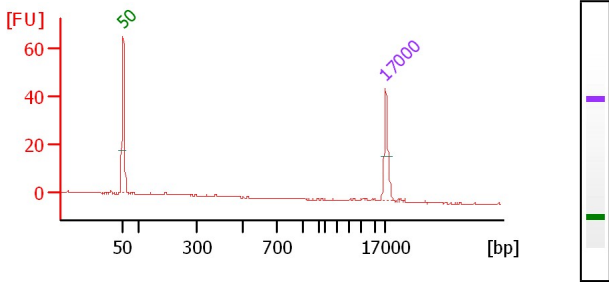
CaCal35 PowerCleaned gDNA

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\2014-03-04\2014-03-04\_001.xad

Created: 3/4/2014 10:13:38 AM  
 Modified: 3/4/2014 10:52:25 AM

**Electropherogram Summary Continued ...**

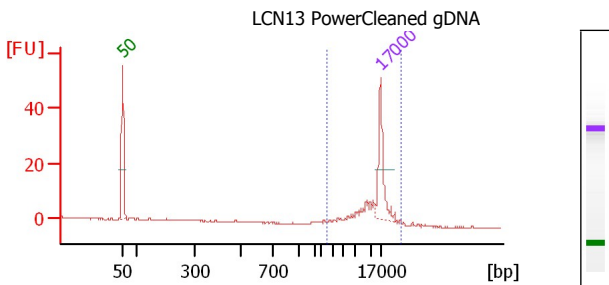


**Overall Results for sample 6 :**

Number of peaks found: 0

**Peak table for sample 6 :**

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



**Overall Results for sample 7 :** LCN13 PowerCleaned gDNA

Number of peaks found: 0

Area 1: 34.4

**Region table for sample 7 :** LCN13 PowerCleaned gDNA

From [bp]	To [bp]	Average Size [bp]	Conc. [ng/μl]	Area	C Size of distribution in CV [%]	% of Total
2,566	29,878	14,650	3.00	34.4	37.5	76

**Peak table for sample 7 :**

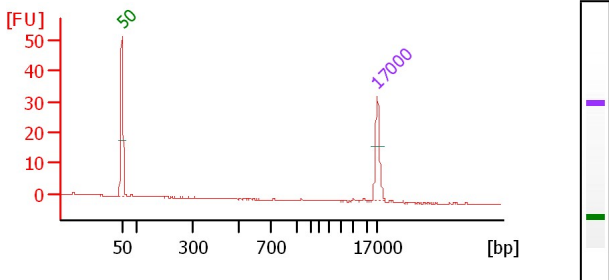
LCN13 PowerCleaned gDNA

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\2014-03-04\2014-03-04\_001.xad

Created: 3/4/2014 10:13:38 AM  
 Modified: 3/4/2014 10:52:25 AM

**Electropherogram Summary Continued ...**

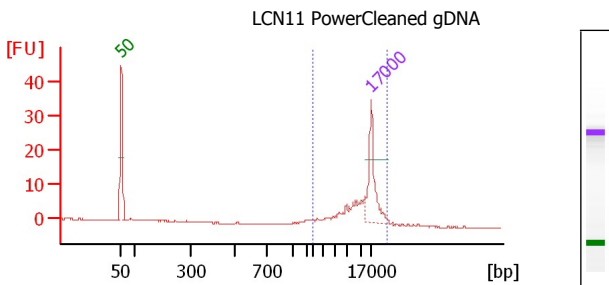


**Overall Results for sample 8 :**

Number of peaks found: 0

**Peak table for sample 8 :**

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



**Overall Results for sample 9 :** LCN11 PowerCleaned gDNA

Number of peaks found: 0

Area 1: 35.2

**Region table for sample 9 :** LCN11 PowerCleaned gDNA

From [bp]	To [bp]	Average Size [bp]	Conc. [ng/μl]	Area	C Size of distribution in CV [%]	% of Total
1,943	28,030	13,714	3.80	35.2	44.1	79

**Peak table for sample 9 :**

LCN11 PowerCleaned gDNA

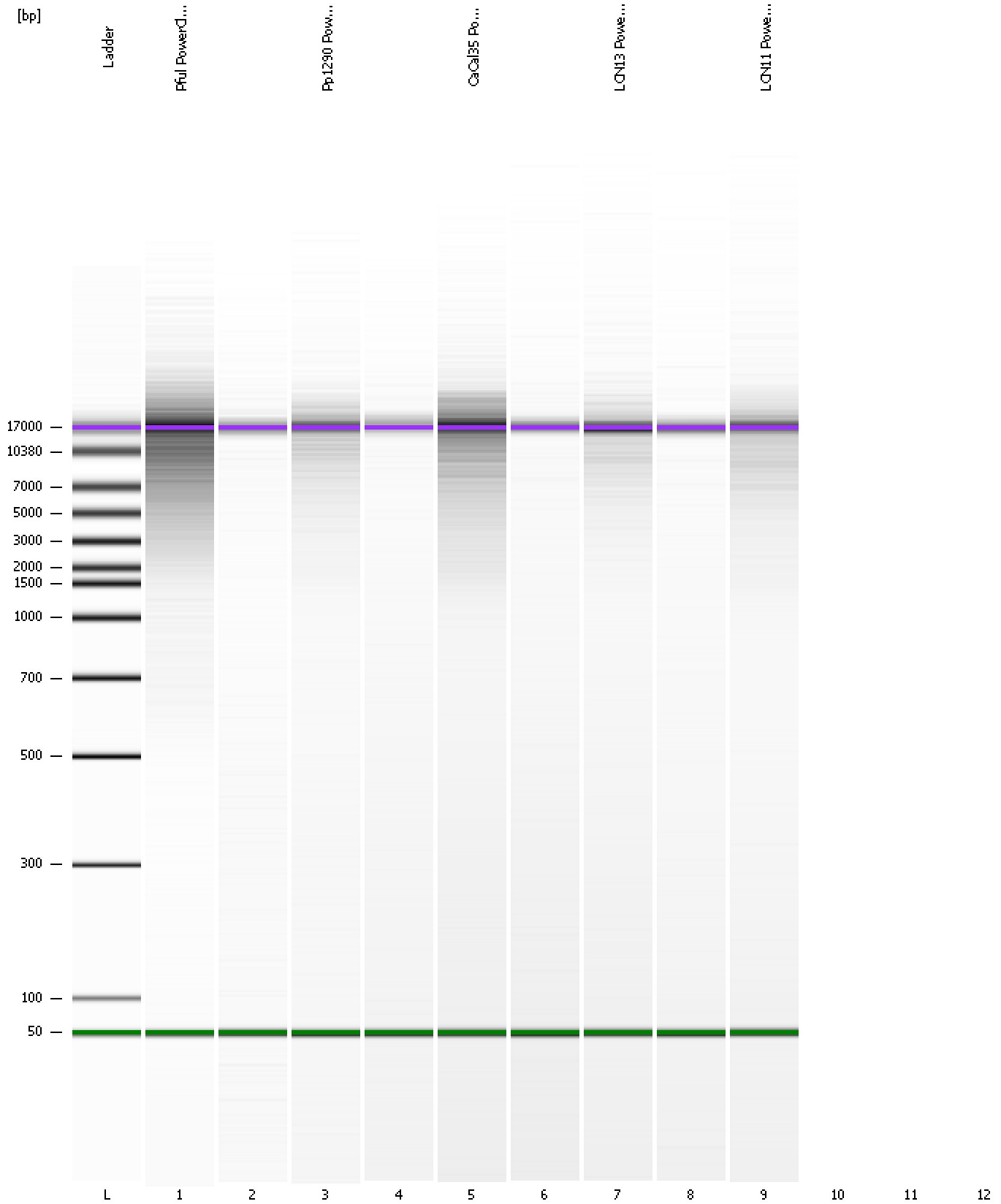
Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	17,000	4.20	0.4	Upper Marker



Assay Class: DNA 12000  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-03-04\2014-03-04\_001.xad

Created: 3/4/2014 10:13:38 AM  
Modified: 3/4/2014 10:52:25 AM

**Gel Image**



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Assay Class: DNA 12000  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-03-04\2014-03-04\_001.xad

Created: 3/4/2014 10:13:38 AM  
Modified: 3/4/2014 10:52:25 AM

**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.