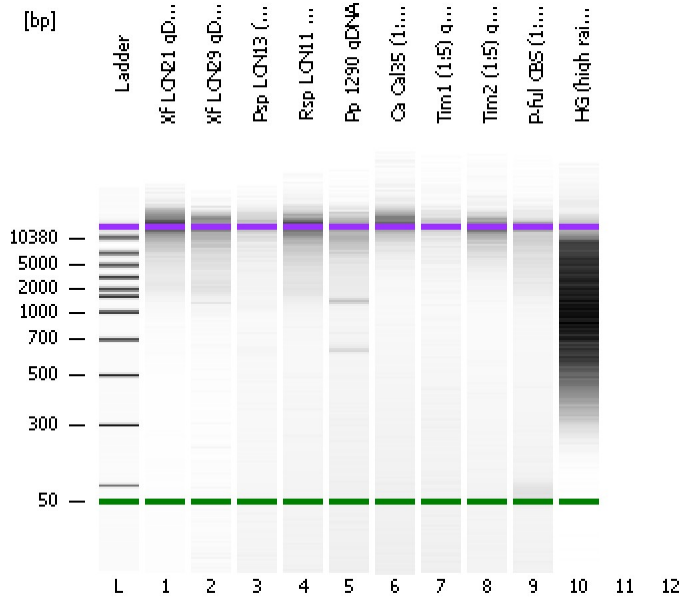


Assay Class: DNA 12000  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-10\2013-10-10\_002.xad

Created: 10/10/2013 1:29:24 PM  
Modified: 10/10/2013 2:08:23 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

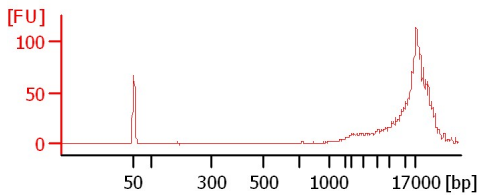
Assay Class: DNA 12000  
Version: 2.4  
Assay Comments: DNA Analysis 100 -12000 bp

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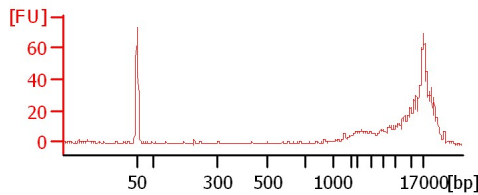
Chip Information:

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

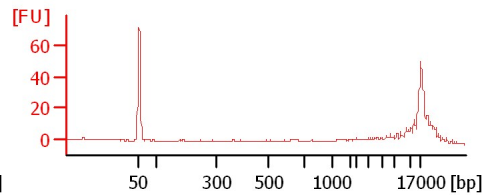
Xf LCN21 gDNA



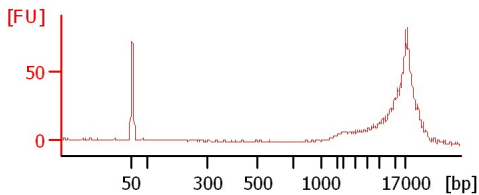
Xf LCN29 gDNA



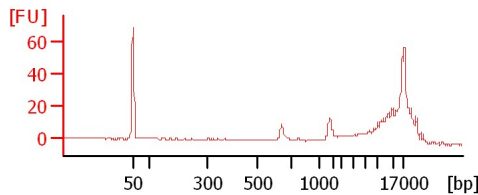
Psp LCN13 (1:3) gDNA



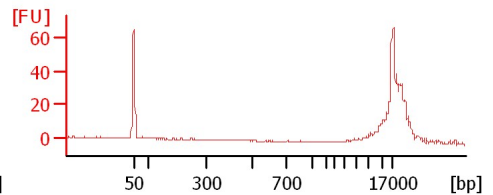
Rsp LCN11 gDNA



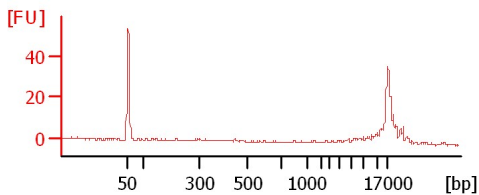
Pp 1290 gDNA



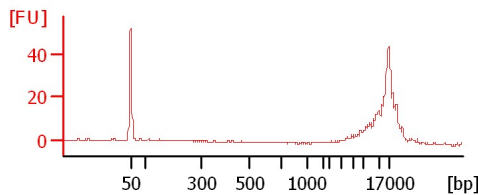
Ca Cal35 (1:6) gDNA



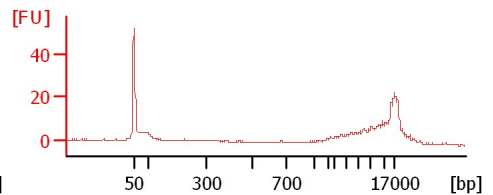
Tim1 (1:5) gDNA



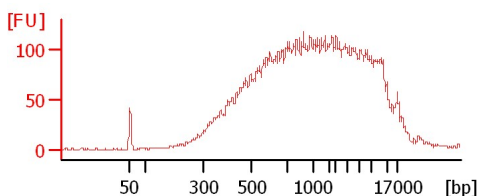
Tim2 (1:5) gDNA



P-ful CBS (1:10) gDNA



HG (high rain) 1:3 gDNA



Assay Class: DNA 12000  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-10\2013-10-10\_002.xad

Created: 10/10/2013 1:29:24 PM  
Modified: 10/10/2013 2:08:23 PM

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

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
Xf LCN21 gDNA		<input type="checkbox"/>	✓			
Xf LCN29 gDNA		<input type="checkbox"/>	✓			
Psp LCN13 (1:3) gDNA		<input type="checkbox"/>	✓			
Rsp LCN11 gDNA		<input type="checkbox"/>	✓			
Pp 1290 gDNA		<input type="checkbox"/>	✓			
Ca Cal35 (1:6) gDNA		<input type="checkbox"/>	✓			
Tim1 (1:5) gDNA		<input type="checkbox"/>	✓			
Tim2 (1:5) gDNA		<input type="checkbox"/>	✓			
P-ful CBS (1:10) gDNA		<input type="checkbox"/>	✓			
HG (high rain) 1:3 gDNA		<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\2013-10-10\2013-10-10\_002.xad

Created: 10/10/2013 1:29:24 PM  
Modified: 10/10/2013 2:08:23 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

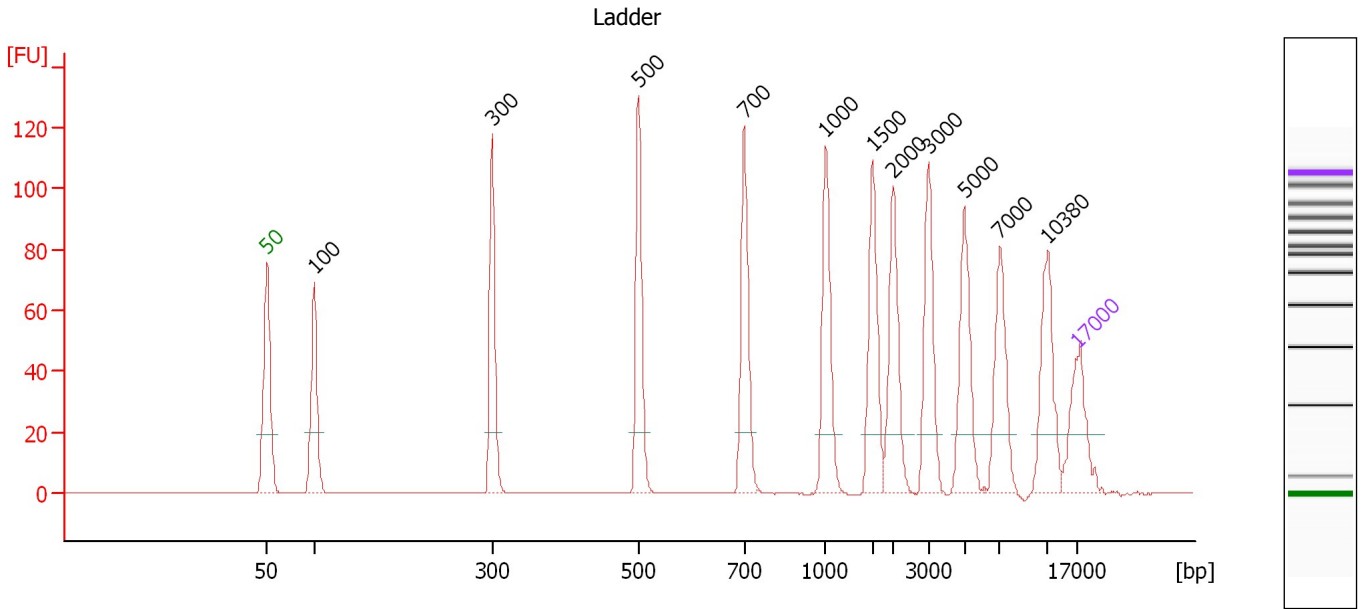
**Ladder**

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\2013-10-10\2013-10-10\_002.xad

Created: 10/10/2013 1:29:24 PM  
 Modified: 10/10/2013 2:08:23 PM

**Electropherogram Summary**



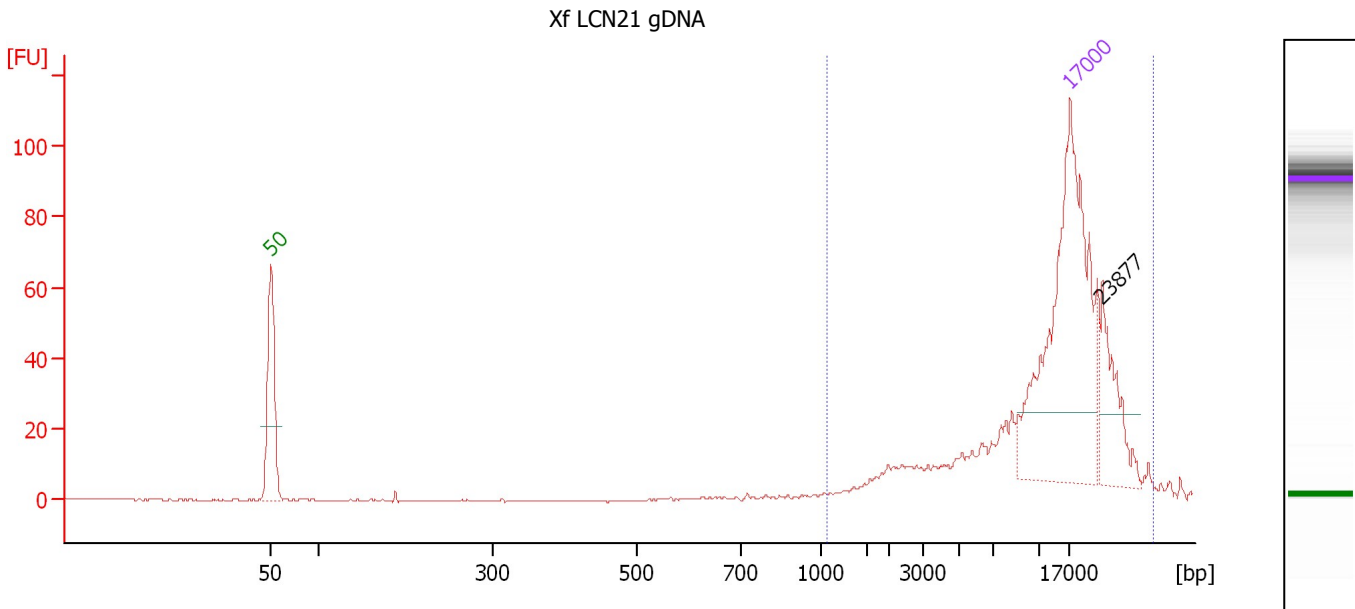
**Peak table for Ladder**

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\2013-10-10\2013-10-10\_002.xad

Created: 10/10/2013 1:29:24 PM  
 Modified: 10/10/2013 2:08:23 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : Xf LCN21 gDNA**

Number of peaks found: 0 Area 1: 209.4

**Peak table for sample 1 : Xf LCN21 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
3	23,877	0.00	0.0	

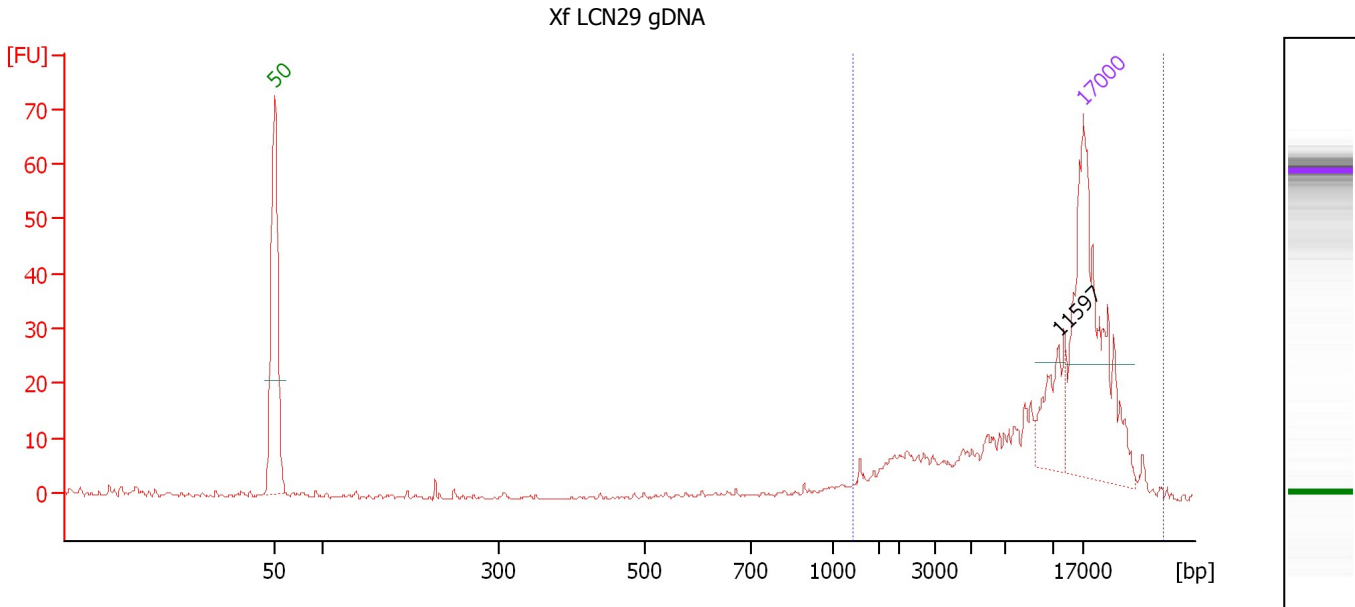
**Region table for sample 1 : Xf LCN21 gDNA**

From [bp]	To [bp]	Average Size [bp]	Conc. [ng/μl]	Area	Col Size distribution in CV or [%]	% of Total
1,046	35,263	15,542	2.99	209.4	48.6	97

Assay Class: DNA 12000  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-10\2013-10-10\_002.xad

Created: 10/10/2013 1:29:24 PM  
 Modified: 10/10/2013 2:08:23 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : Xf LCN29 gDNA**

Number of peaks found: 1                      Area 1: 139.8

**Peak table for sample 2 : Xf LCN29 gDNA**

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	11,597	1.03	0.1	
3	17,000	4.20	0.4	Upper Marker

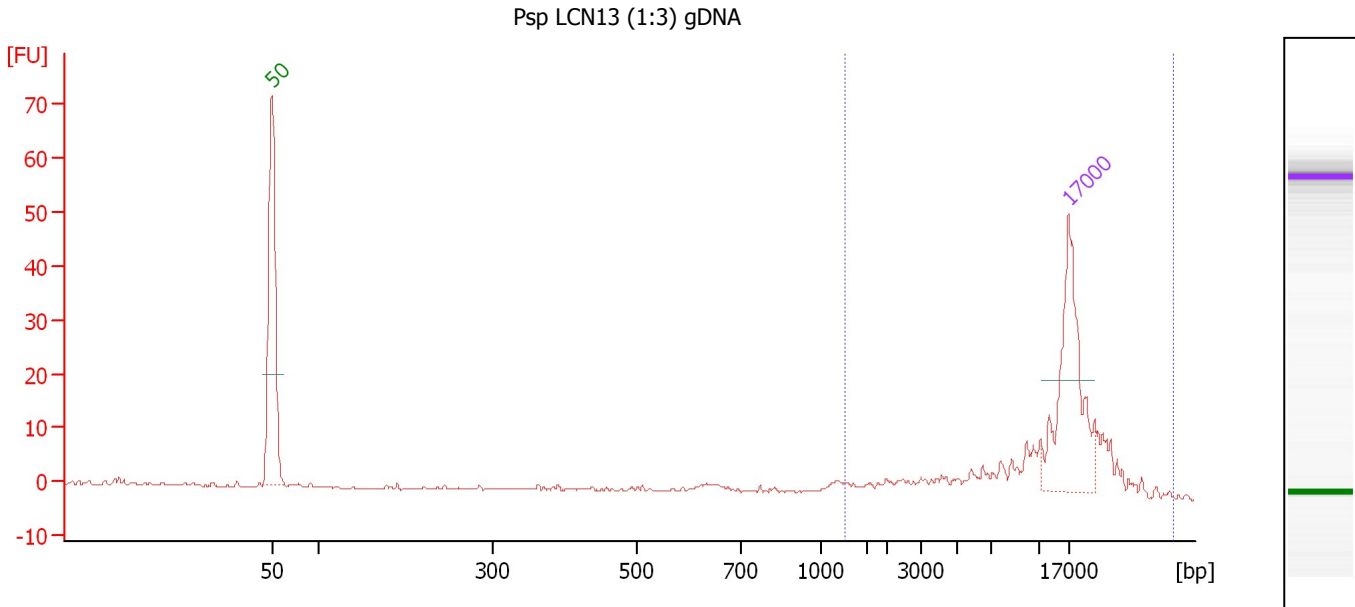
**Region table for sample 2 : Xf LCN29 gDNA**

From [bp]	To [bp]	Average Size [bp]	Conc. [ng/μl]	Area	Col Size distribution in CV or [%]	% of Total
1,234	34,330	13,325	4.50	139.8	54.0	94

Assay Class: DNA 12000  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-10\2013-10-10\_002.xad

Created: 10/10/2013 1:29:24 PM  
 Modified: 10/10/2013 2:08:23 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : Psp LCN13 (1:3) gDNA**

Number of peaks found: 0                      Area 1: 78.0

**Peak table for sample 3 : Psp LCN13 (1:3) 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

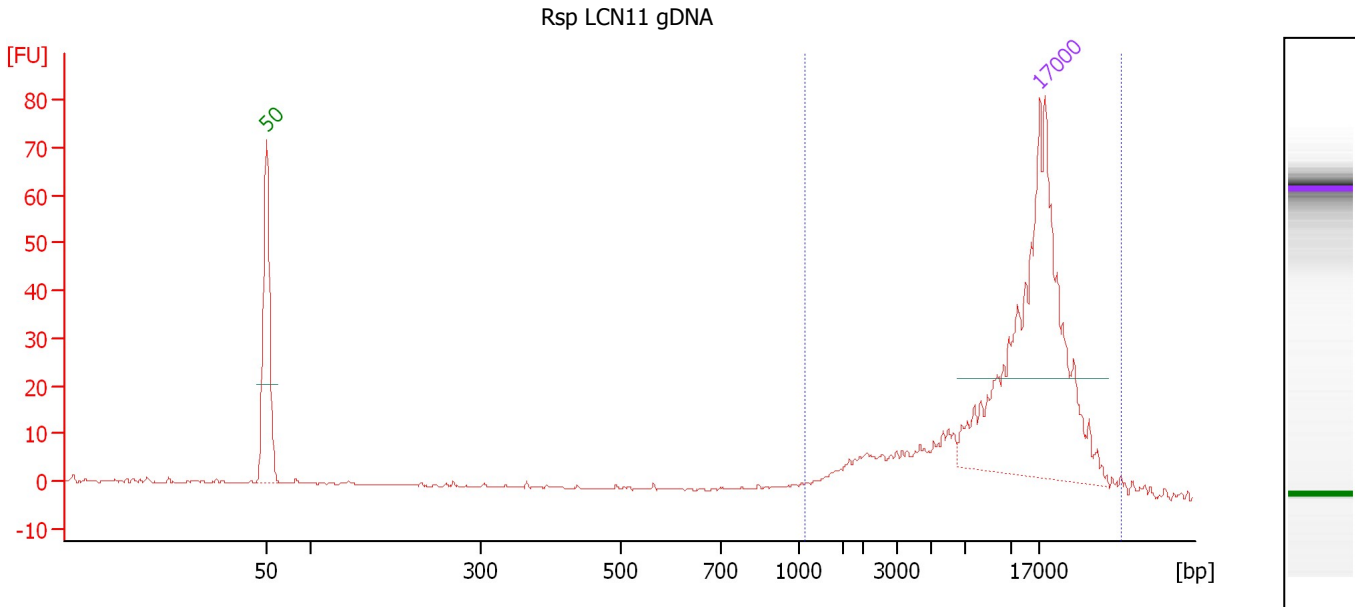
**Region table for sample 3 : Psp LCN13 (1:3) gDNA**

From [bp]	To [bp]	Average Size [bp]	Conc. [ng/µl]	Area	Col Size distribution in CV or [%]	% of Total
1,271	40,118	15,202	4.22	78.0	51.7	76

Assay Class: DNA 12000  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-10\2013-10-10\_002.xad

Created: 10/10/2013 1:29:24 PM  
 Modified: 10/10/2013 2:08:23 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : Rsp LCN11 gDNA**

Number of peaks found: 0                      Area 1: 82.7

**Peak table for sample 4 : Rsp LCN11 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 4 : Rsp LCN11 gDNA**

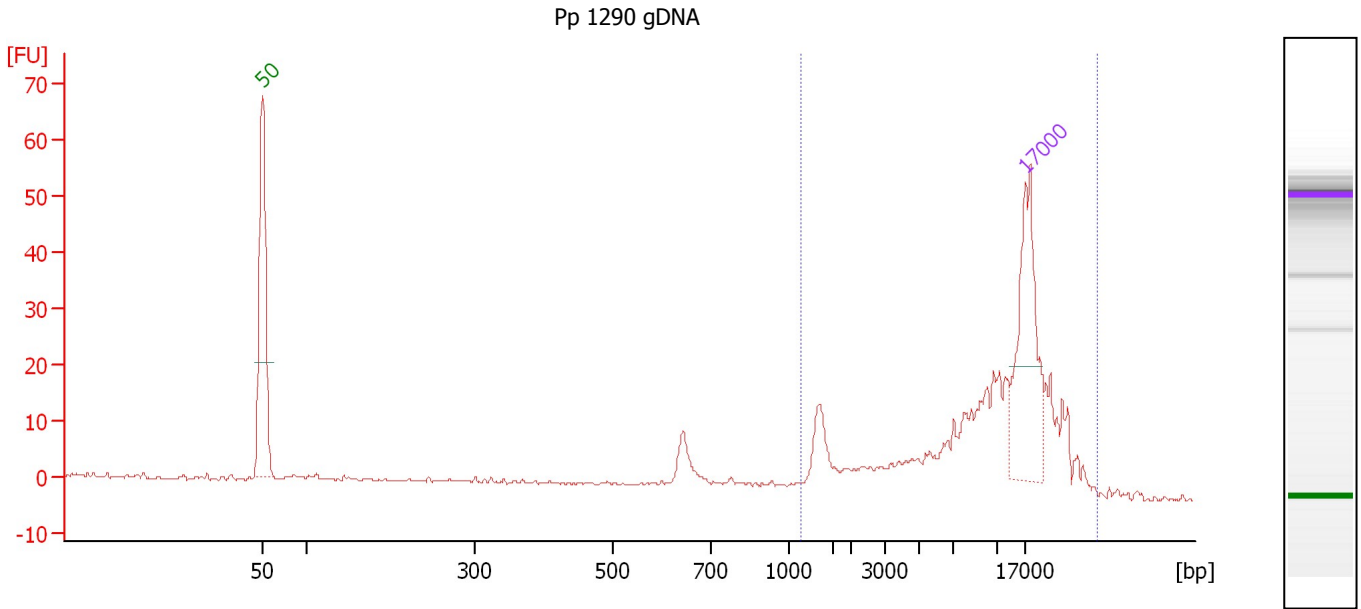
From [bp]	To [bp]	Average Size [bp]	Conc. [ng/μl]	Area	Col Size distribution in CV or [%]	% of Total
1,063	35,306	13,824	1.40	82.7	54.8	70



Assay Class: DNA 12000  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-10\2013-10-10\_002.xad

Created: 10/10/2013 1:29:24 PM  
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**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : Pp 1290 gDNA**

Number of peaks found: 0      Area 1: 167.9

**Peak table for sample 5 : Pp 1290 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 5 : Pp 1290 gDNA**

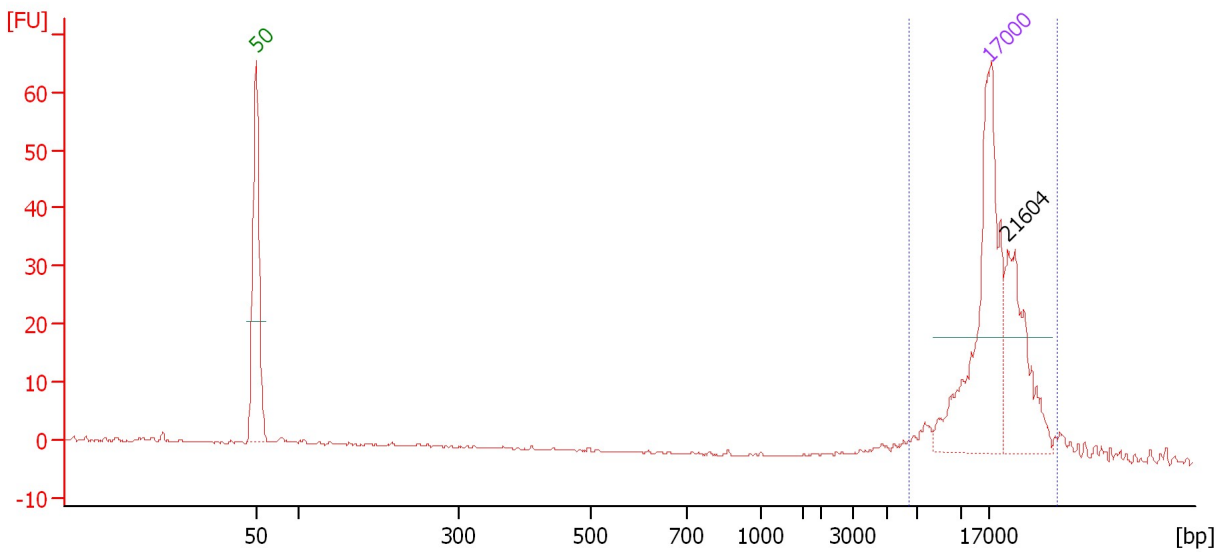
From [bp]	To [bp]	Average Size [bp]	Conc. [ng/μl]	Area	Col Size distribution in CV or [%]	% of Total
1,142	33,243	12,928	9.59	167.9	58.8	80

Assay Class: DNA 12000  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-10\2013-10-10\_002.xad

Created: 10/10/2013 1:29:24 PM  
 Modified: 10/10/2013 2:08:23 PM

**Electropherogram Summary Continued ...**

Ca Cal35 (1:6) gDNA



**Overall Results for sample 6 : Ca Cal35 (1:6) gDNA**

Number of peaks found: 0 Area 1: 77.6

**Peak table for sample 6 : Ca Cal35 (1:6) 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
3	21,604	0.00	0.0	

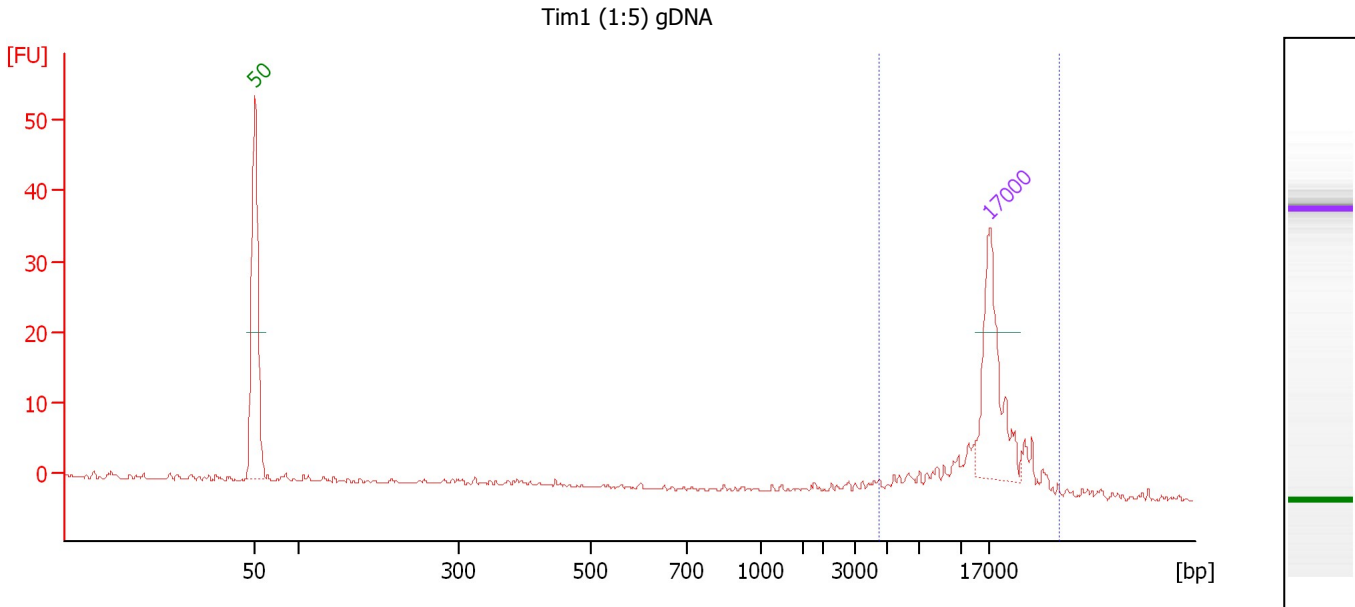
**Region table for sample 6 : Ca Cal35 (1:6) gDNA**

From [bp]	To [bp]	Average Size [bp]	Conc. [ng/μl]	Area	Col Size distribution in CV or [%]	% of Total
6,383	33,384	18,502	2.76	77.6	31.0	77

Assay Class: DNA 12000  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-10\2013-10-10\_002.xad

Created: 10/10/2013 1:29:24 PM  
 Modified: 10/10/2013 2:08:23 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : Tim1 (1:5) gDNA**

Number of peaks found: 0 Area 1: 29.9

**Peak table for sample 7 : Tim1 (1:5) 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

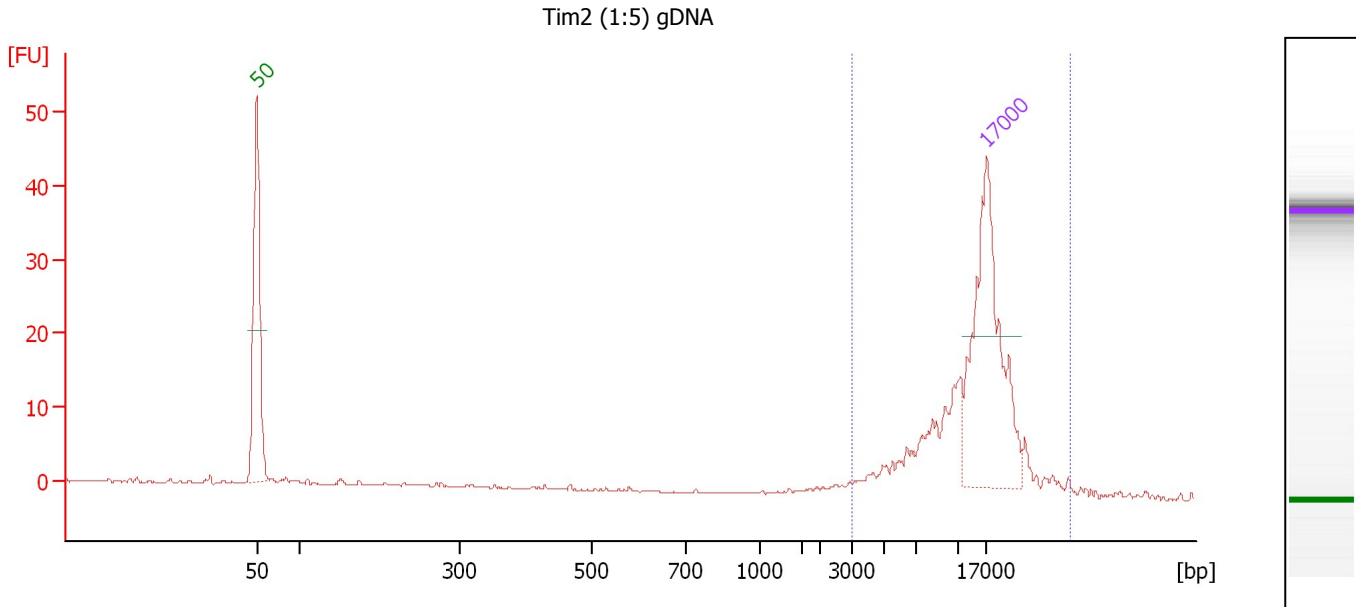
**Region table for sample 7 : Tim1 (1:5) gDNA**

From [bp]	To [bp]	Average Size [bp]	Conc. [ng/μl]	Area	Col Size distribution in CV or [%]	% of Total
4,452	33,411	16,846	2.78	29.9	35.2	67

Assay Class: DNA 12000  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-10\2013-10-10\_002.xad

Created: 10/10/2013 1:29:24 PM  
 Modified: 10/10/2013 2:08:23 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : Tim2 (1:5) gDNA**

Number of peaks found: 0 Area 1: 54.9

**Peak table for sample 8 : Tim2 (1:5) 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

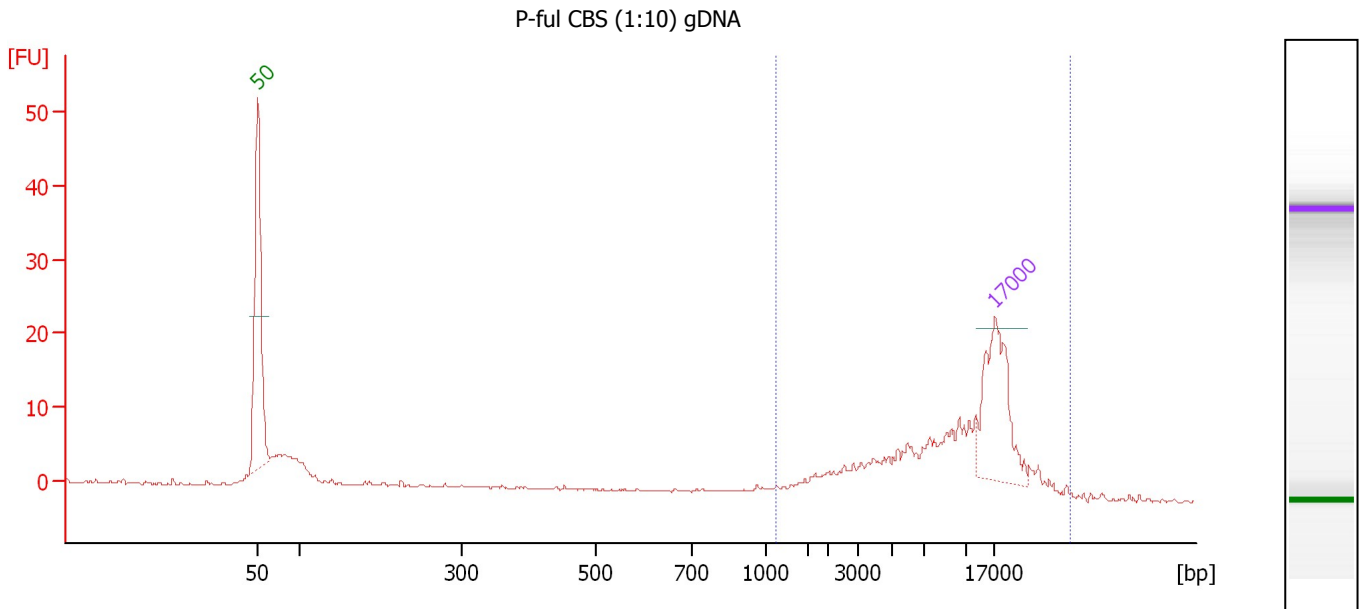
**Region table for sample 8 : Tim2 (1:5) gDNA**

From [bp]	To [bp]	Average Size [bp]	Conc. [ng/μl]	Area	Col Size distribution in CV or [%]	% of Total
3,043	37,003	15,235	2.59	54.9	41.4	86

Assay Class: DNA 12000  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-10\2013-10-10\_002.xad

Created: 10/10/2013 1:29:24 PM  
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**Electropherogram Summary Continued ...**



**Overall Results for sample 9 : P-ful CBS (1:10) gDNA**

Number of peaks found: 0      Area 1: 72.2

**Peak table for sample 9 : P-ful CBS (1:10) 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

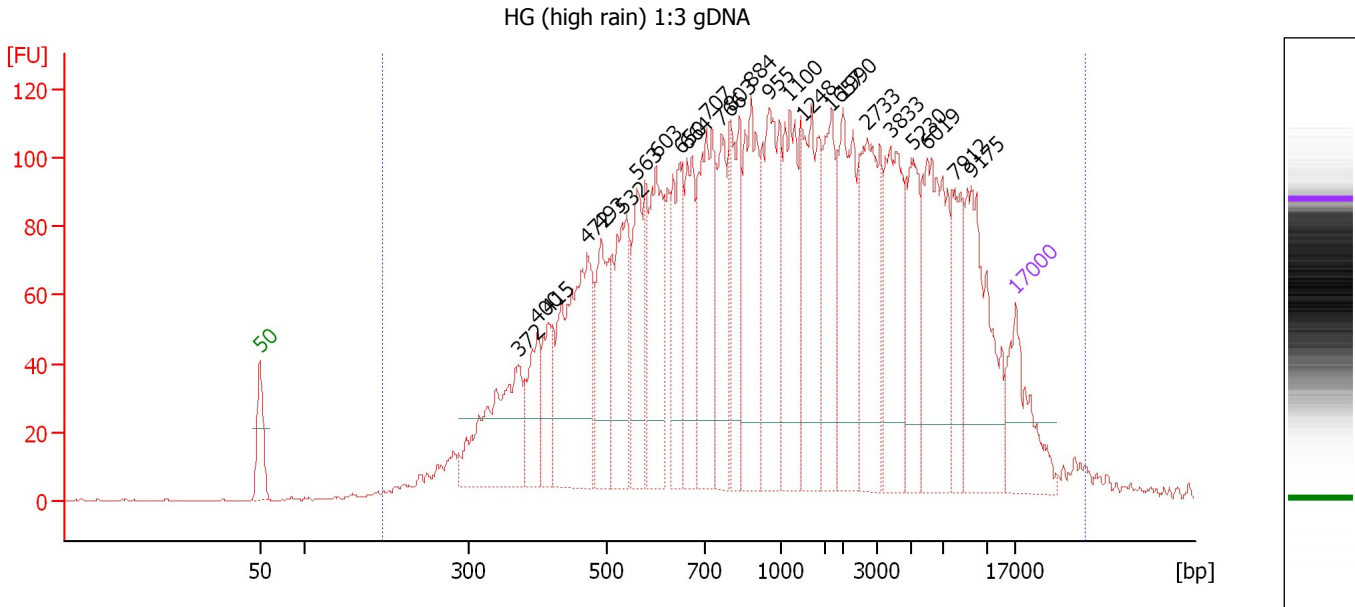
**Region table for sample 9 : P-ful CBS (1:10) gDNA**

From [bp]	To [bp]	Average Size [bp]	Conc. [ng/µl]	Area	Col Size distribution in CV or [%]	% of Total
1,127	34,759	12,121	7.43	72.2	59.4	79

Assay Class: DNA 12000  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-10\2013-10-10\_002.xad

Created: 10/10/2013 1:29:24 PM  
 Modified: 10/10/2013 2:08:23 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 10 : HG (high rain) 1:3 gDNA**

Number of peaks found: 25                      Area 1: 3,079.9

**Peak table for sample 10 : HG (high rain) 1:3 gDNA**

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	372	7.22	29.5	
3	400	2.55	9.7	
4	415	2.79	10.2	
5	472	9.67	31.0	
6	493	4.36	13.4	
7	532	5.61	16.0	
8	563	5.23	14.1	
9	603	6.30	15.8	
10	650	3.91	9.1	
11	664	5.54	12.6	
12	707	6.98	15.0	
13	766	5.25	10.4	
14	803	4.30	8.1	
15	884	7.83	13.4	
16	955	7.64	12.1	
17	1,100	7.37	10.2	
18	1,248	7.47	9.1	
19	1,657	5.70	5.2	
20	1,990	7.81	5.9	
21	2,733	7.43	4.1	
22	3,833	7.43	2.9	
23	5,230	4.72	1.4	
24	6,019	8.79	2.2	
25	7,912	3.02	0.6	
26	9,175	8.38	1.4	
27	17,000	4.20	0.4	Upper Marker


Assay Class: DNA 12000  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-10\2013-10-10\_002.xad

Created: 10/10/2013 1:29:24 PM  
Modified: 10/10/2013 2:08:23 PM

**Electropherogram Summary Continued ...**

... Region table for sample 10 :

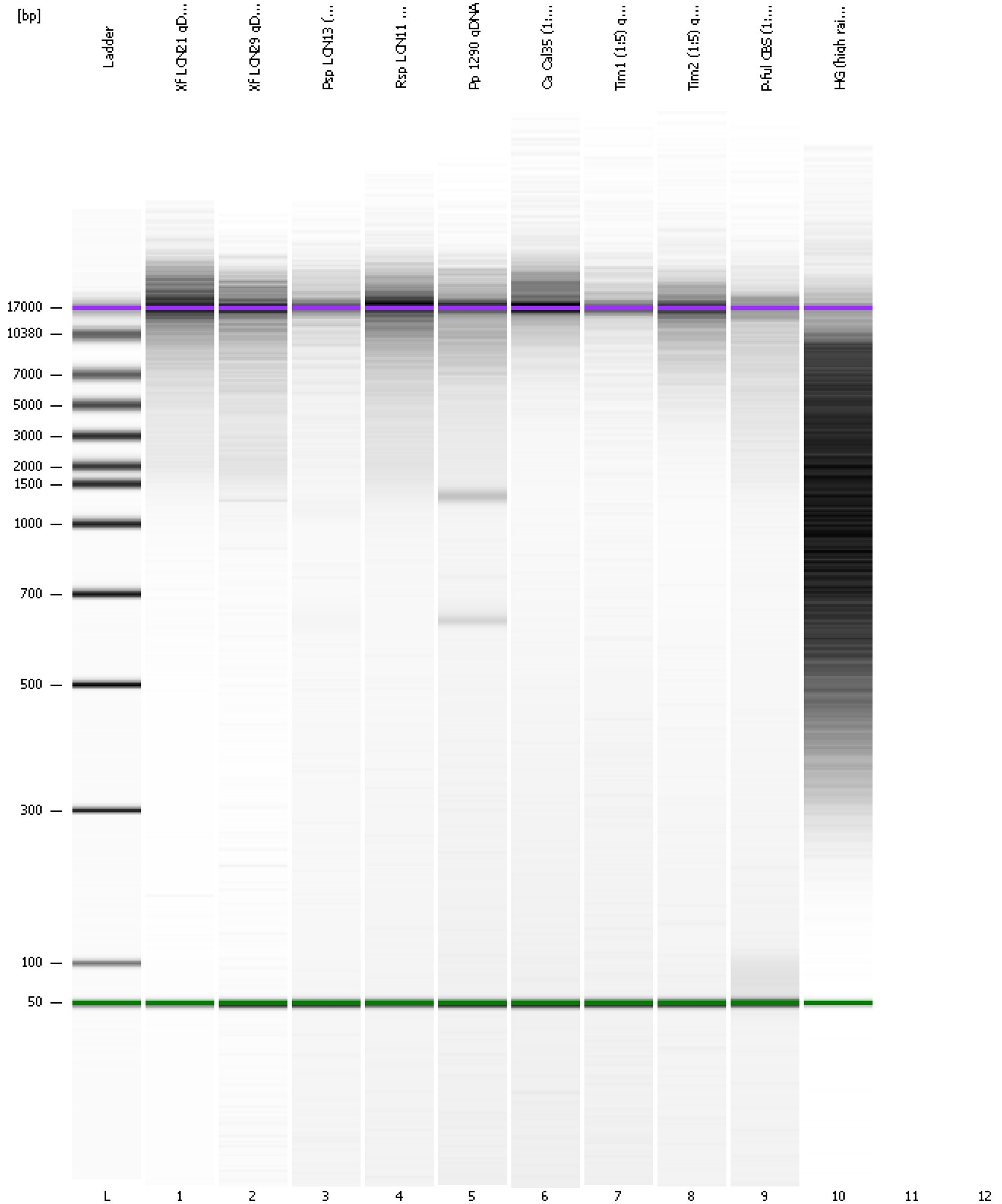
**HG (high rain) 1:3 gDNA**

From [bp]	To [bp]	Average Size [bp]	Conc. [ng/μl]	Area	Col Size distribution in CV or [%]	% of Total
196	33,175	3,027	167.01	3,079.9	 100.0	99

Assay Class: DNA 12000  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-10\2013-10-10\_002.xad

Created: 10/10/2013 1:29:24 PM  
Modified: 10/10/2013 2:08:23 PM

**Gel Image**





Assay Class: DNA 12000  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-10\2013-10-10\_002.xad

Created: 10/10/2013 1:29:24 PM  
Modified: 10/10/2013 2:08:23 PM

**Invalid Samples**

Sample 11 has not been run, no results available.

Sample 12 has not been run, no results available.