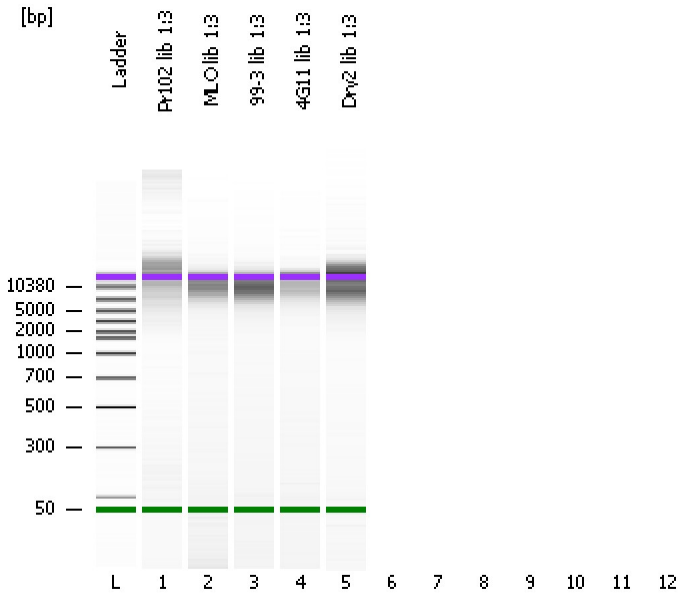


Assay Class: DNA 12000  
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-14\2014-05-14\_003.xad

Created: 5/14/2014 2:45:46 PM  
Modified: 5/14/2014 3:09:31 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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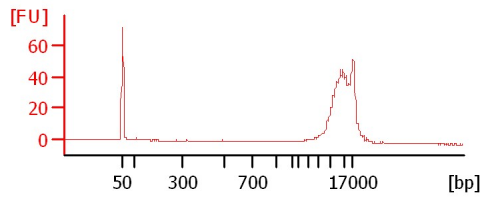
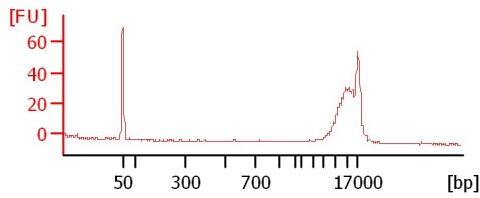
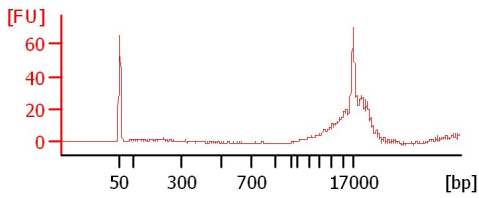
#### Chip Information:

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

Pr102 lib 1:3

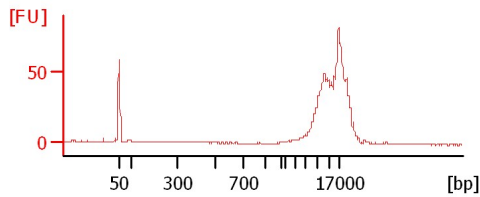
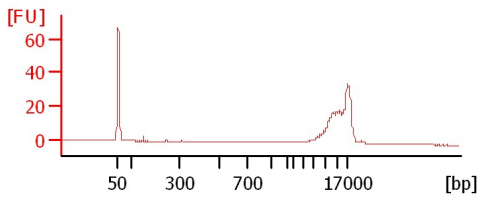
MLO lib 1:3

99-3 lib 1:3



4G11 lib 1:3

Dry2 lib 1:3



Assay Class: DNA 12000  
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-14\2014-05-14\_003.xad

Created: 5/14/2014 2:45:46 PM  
 Modified: 5/14/2014 3:09:31 PM

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

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
Pr102 lib 1:3		<input type="checkbox"/>	✓			
MLO lib 1:3		<input type="checkbox"/>	✓			
99-3 lib 1:3		<input type="checkbox"/>	✓			
4G11 lib 1:3		<input type="checkbox"/>	✓			
Dry2 lib 1:3		<input type="checkbox"/>	✓			
		<input type="checkbox"/>				
		<input type="checkbox"/>				
		<input type="checkbox"/>				
		<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\2014-05-14\2014-05-14\_003.xad

Created: 5/14/2014 2:45:46 PM  
Modified: 5/14/2014 3:09:31 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

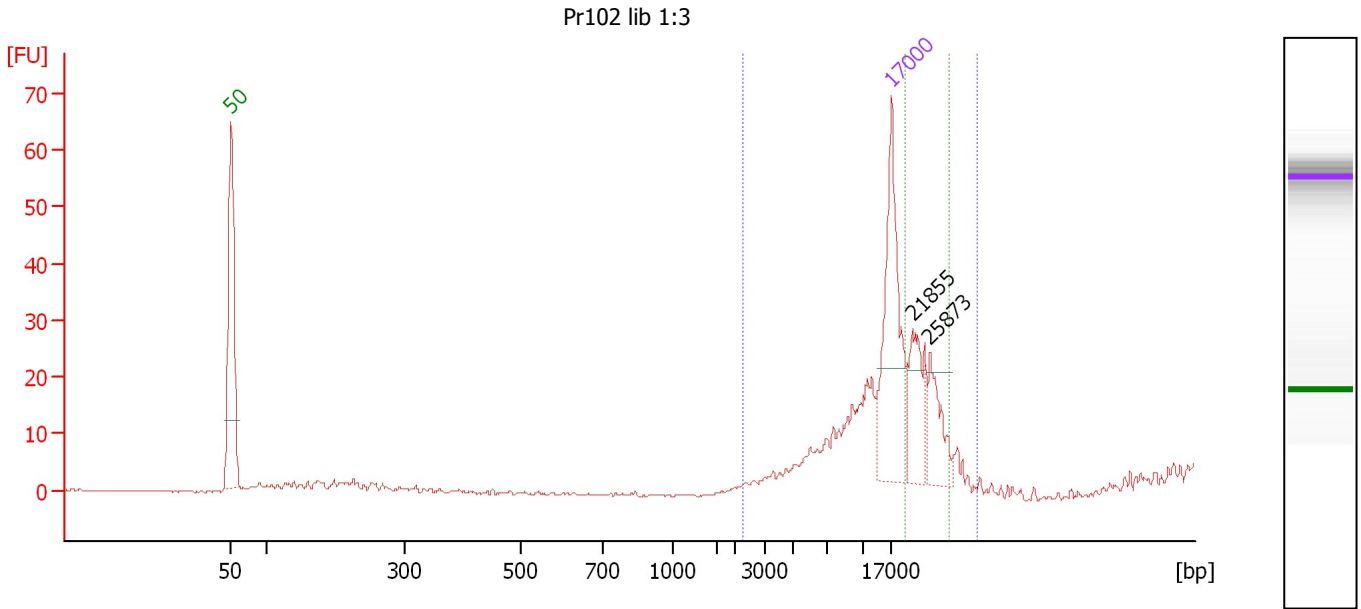
**Ladder**

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\2014-05-14\2014-05-14\_003.xad

Created: 5/14/2014 2:45:46 PM  
Modified: 5/14/2014 3:09:31 PM

**Electropherogram Summary**



**Overall Results for sample 1 : Pr102 lib 1:3**

Number of peaks found: 0 Area 2: 51.4  
Area 1: 100.0

**Peak table for sample 1 : Pr102 lib 1:3**

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	21,855	0.00	0.0	
4	25,873	0.00	0.0	

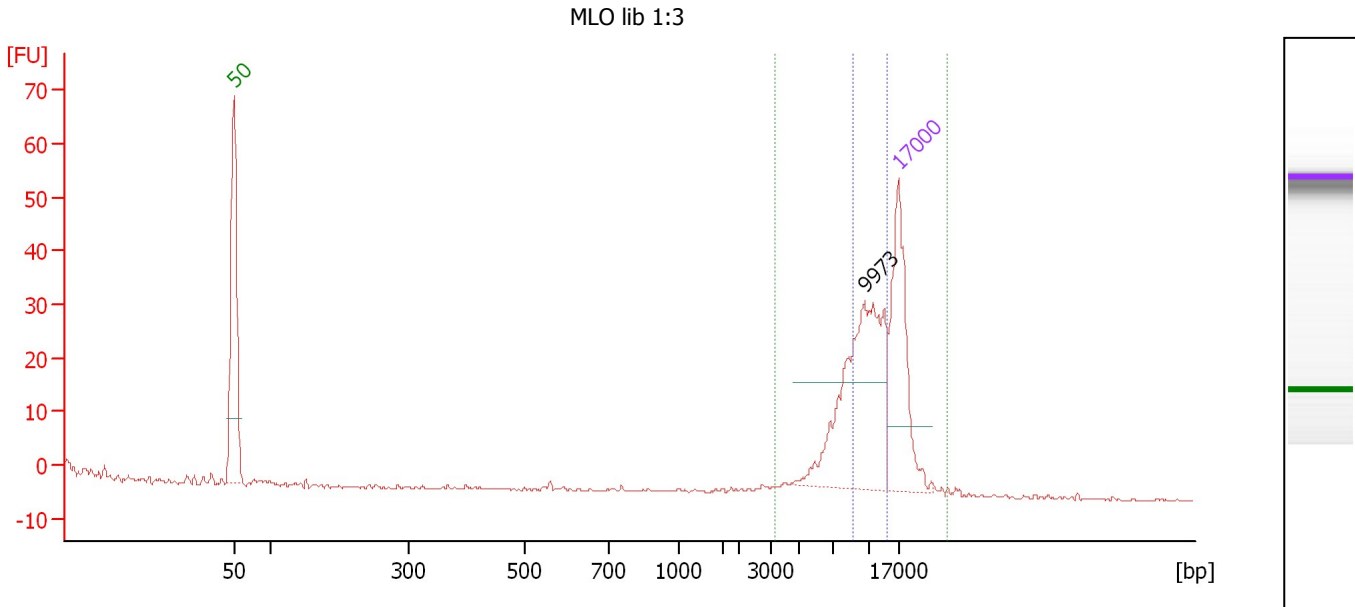
**Region table for sample 1 : Pr102 lib 1:3**

From [bp]	To [bp]	Average Size [bp]	Conc. [ng/μl]	Col Area or	% of Total	Size distribution in CV [%]
2,298	37,070	17,356	5.72	100.0	98	37.1
19,955	30,652	24,263	2.85	51.4	51	11.4

Assay Class: DNA 12000  
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-14\2014-05-14\_003.xad

Created: 5/14/2014 2:45:46 PM  
 Modified: 5/14/2014 3:09:31 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : MLO lib 1:3**

Number of peaks found: 1      Area 2: 117.5  
 Area 1: 73.6

**Peak table for sample 2 : MLO lib 1:3**

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	9,973	7.19	1.1	
3	17,000	4.20	0.4	Upper Marker

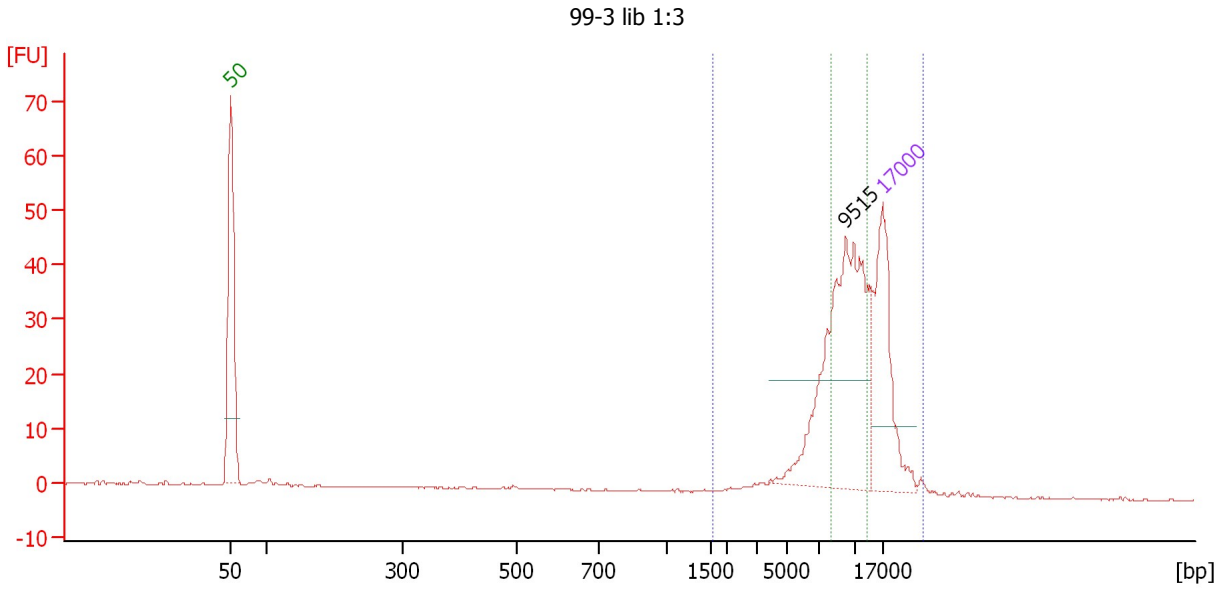
**Region table for sample 2 : MLO lib 1:3**

From [bp]	To [bp]	Average Size [bp]	Conc. [ng/μl]	Col Area or	% of Total	Size distribution in CV [%]
3,284	28,444	12,701	7.29	117.5	99	34.1
8,854	14,225	10,879	4.53	73.6	62	14.2

Assay Class: DNA 12000  
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-14\2014-05-14\_003.xad

Created: 5/14/2014 2:45:46 PM  
 Modified: 5/14/2014 3:09:31 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : 99-3 lib 1:3**

Number of peaks found: 1                      Area 2: 106.6  
 Area 1: 167.9

**Peak table for sample 3 : 99-3 lib 1:3**

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	9,515	9.65	1.5	
3	17,000	4.20	0.4	Upper Marker

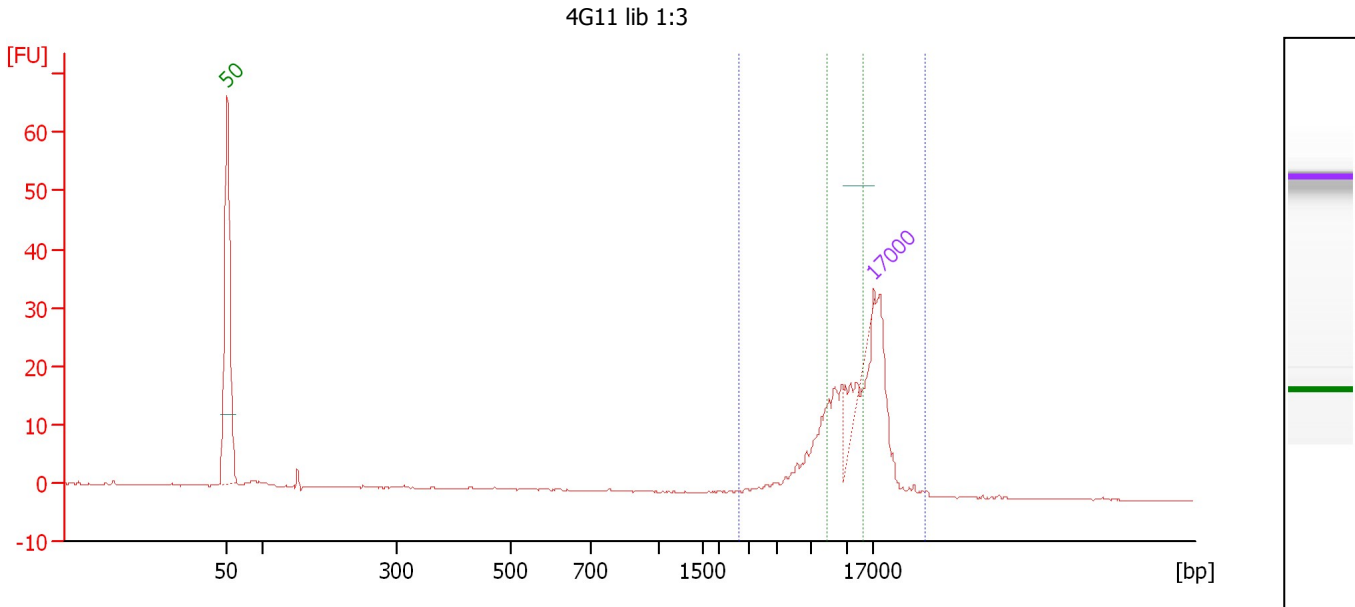
**Region table for sample 3 : 99-3 lib 1:3**

From [bp]	To [bp]	Average Size [bp]	Conc. [ng/μl]	Col Area or	% of Total	Size distribution in CV [%]
1,584	26,390	11,735	10.56	167.9	93	38.7
8,081	13,409	10,117	6.67	106.6	59	14.1

Assay Class: DNA 12000  
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-14\2014-05-14\_003.xad

Created: 5/14/2014 2:45:46 PM  
 Modified: 5/14/2014 3:09:31 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : 4G11 lib 1:3**

Number of peaks found: 0                      Area 2: 17.2  
 Area 1: 77.3

**Peak table for sample 4 : 4G11 lib 1:3**

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	0	0.00	0.0	
2	50	8.30	251.5	Lower Marker
3	17,000	4.20	0.4	Upper Marker

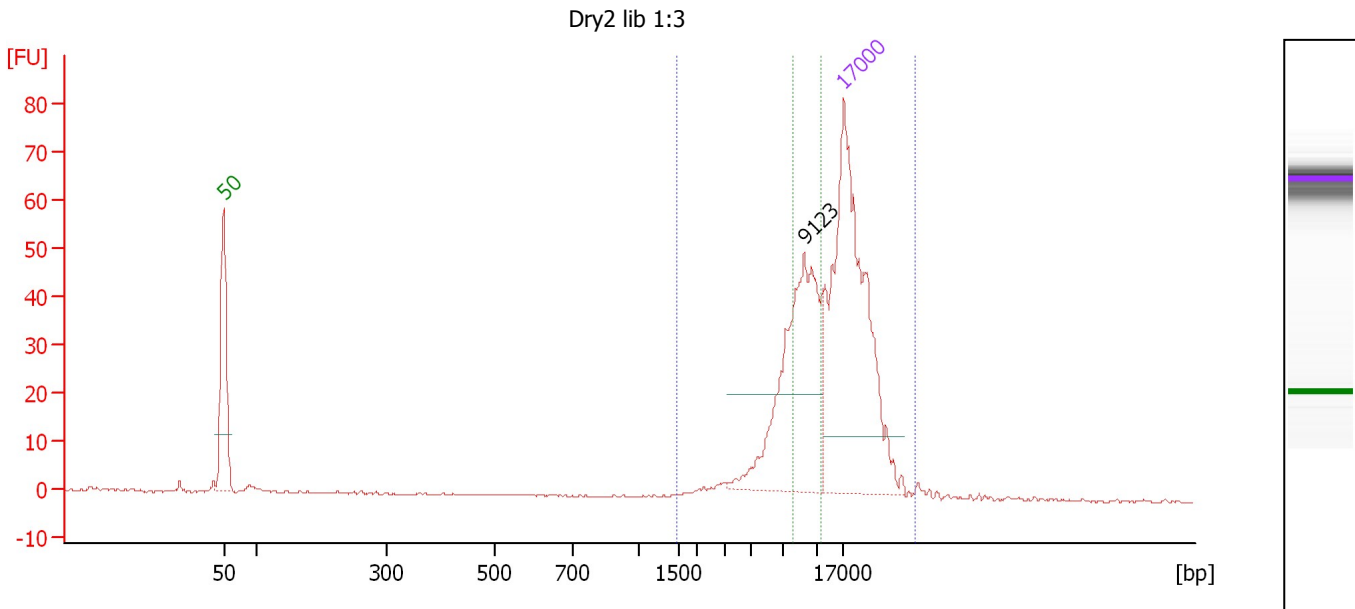
**Region table for sample 4 : 4G11 lib 1:3**

From [bp]	To [bp]	Average Size [bp]	Conc. [ng/μl]	Col Area or	% of Total	Size distribution in CV [%]
2,628	29,290	13,148	31.64	77.3	86	38.2
8,653	14,482	10,864	7.16	17.2	19	15.4

Assay Class: DNA 12000  
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-14\2014-05-14\_003.xad

Created: 5/14/2014 2:45:46 PM  
 Modified: 5/14/2014 3:09:31 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : Dry2 lib 1:3**

Number of peaks found: 1                      Area 2: 91.9  
 Area 1: 162.3

**Peak table for sample 5 : Dry2 lib 1:3**

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	9,123	3.06	0.5	
3	17,000	4.20	0.4	Upper Marker

**Region table for sample 5 : Dry2 lib 1:3**

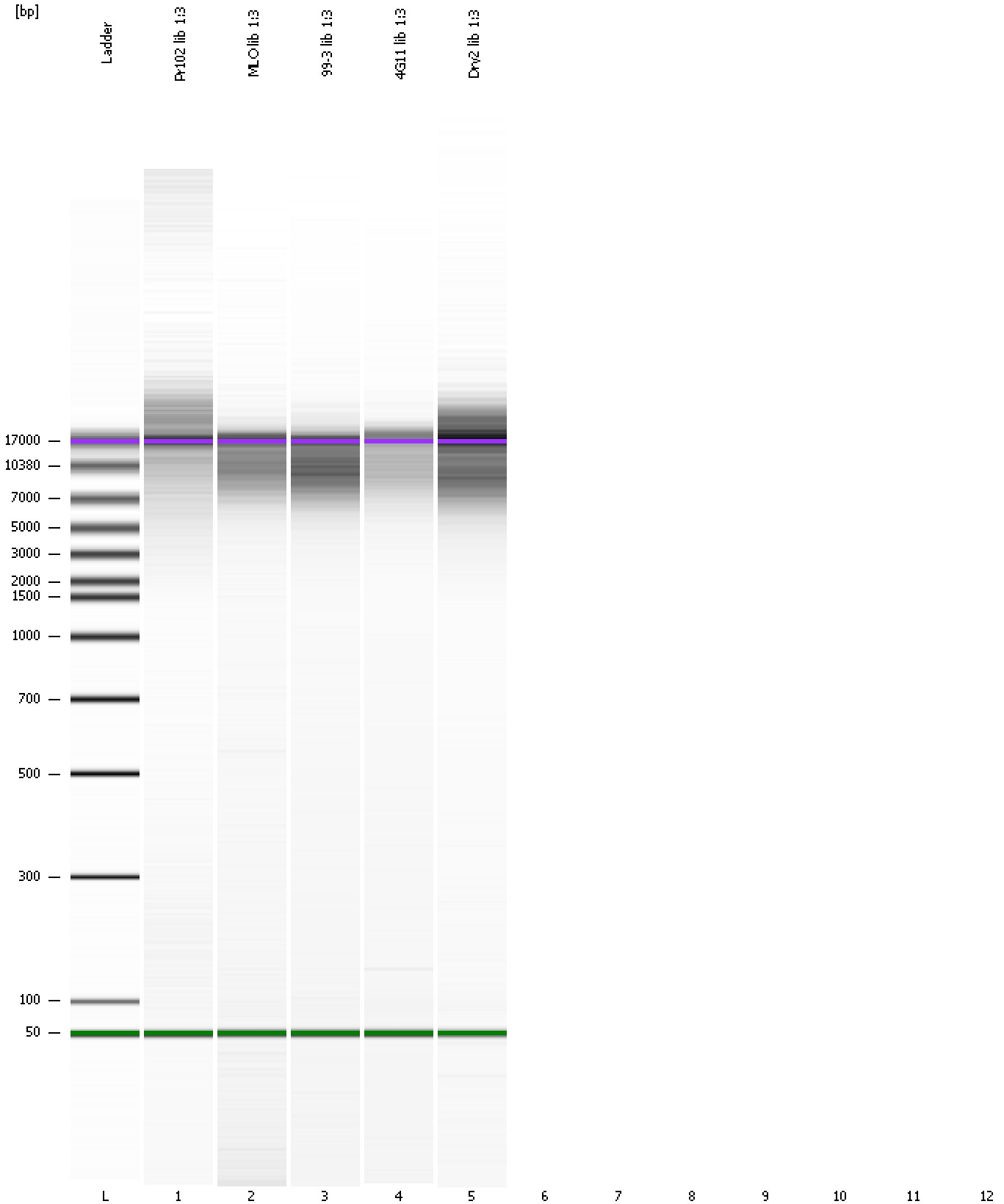
From [bp]	To [bp]	Average Size [bp]	Conc. [ng/μl]	Col Area or	% of Total	Size distribution in CV [%]
1,455	34,623	14,433	3.40	162.3	91	45.4
7,934	11,551	9,351	1.91	91.9	52	9.6



Assay Class: DNA 12000  
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-14\2014-05-14\_003.xad

Created: 5/14/2014 2:45:46 PM  
Modified: 5/14/2014 3:09:31 PM

**Gel Image**

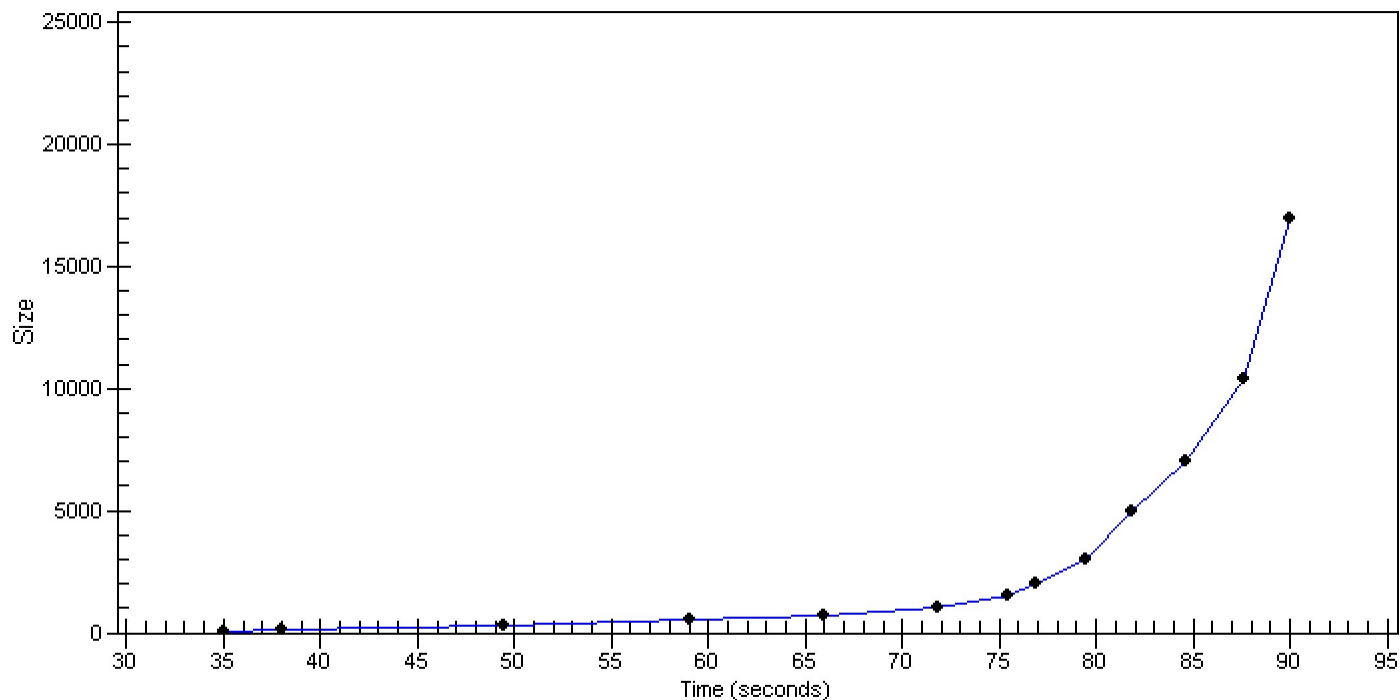


Assay Class: DNA 12000  
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-14\2014-05-14\_003.xad

Created: 5/14/2014 2:45:46 PM  
Modified: 5/14/2014 3:09:31 PM

**Curves**

**Standard Curve**



Assay Class: DNA 12000  
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-14\2014-05-14\_003.xad

Created: 5/14/2014 2:45:46 PM  
Modified: 5/14/2014 3:09:31 PM

**Invalid Samples**

Sample 6 has not been run, no results available.

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.

Assay Class: DNA 12000  
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-14\2014-05-14\_003.xad

Created: 5/14/2014 2:45:46 PM  
 Modified: 5/14/2014 3:09:31 PM

**Run Logbook**

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 6)		Instrument	Run		5/14/2014 3:05:55 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\Data\2014-05-14\2014-05-14_003.xad)		Instrument	Run		5/14/2014 2:45:51 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		5/14/2014 2:45:51 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		5/14/2014 2:45:51 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		5/14/2014 2:45:51 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		5/14/2014 2:45:51 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		5/14/2014 2:45:51 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		5/14/2014 2:45:51 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1