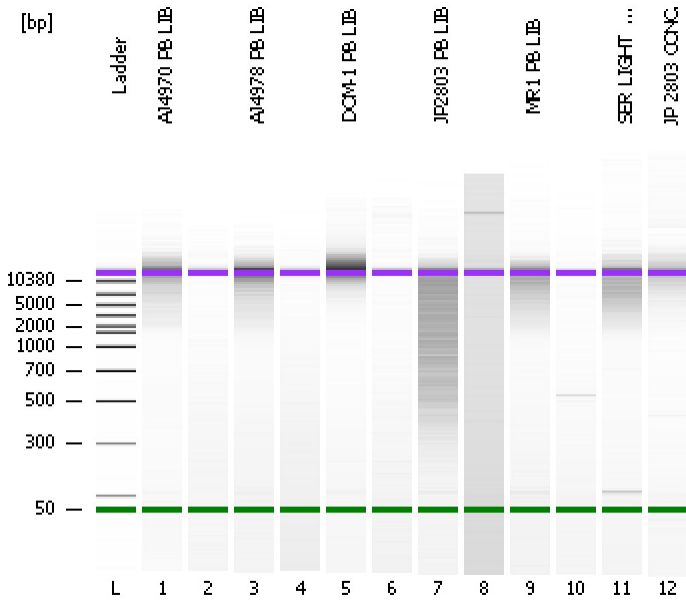


Assay Class: DNA 12000  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-30\2015-04-30\_003.xad

Created: 4/30/2015 11:17:46 AM  
Modified: 4/30/2015 11:56:24 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

© Copyright 2003-2009 Agilent Technologies, Inc.

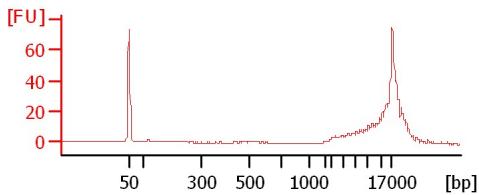
Chip Information:

Chip Lot #:

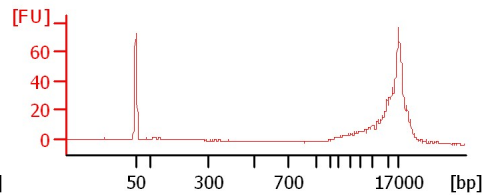
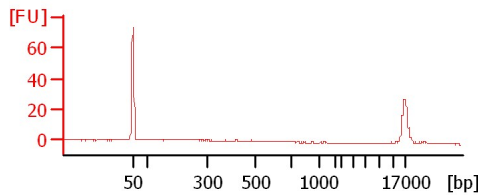
Reagent Kit Lot #:

Chip Comments:

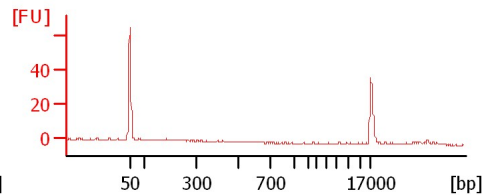
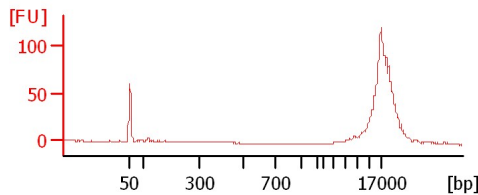
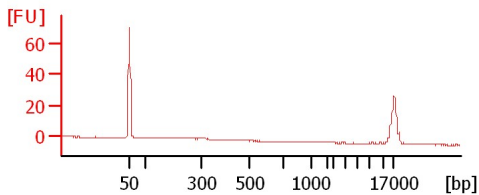
**AJ4970 PB LIB**



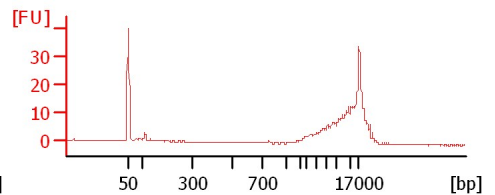
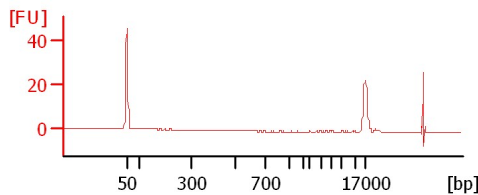
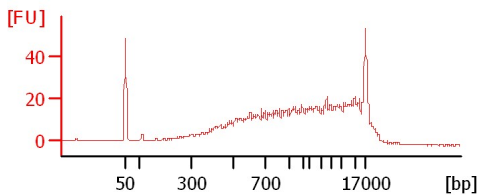
**AJ4978 PB LIB**



**DOM-1 PB LIB**

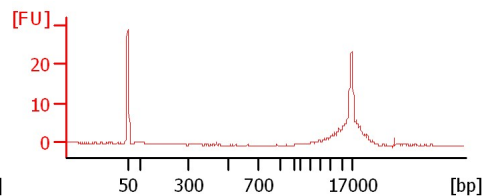
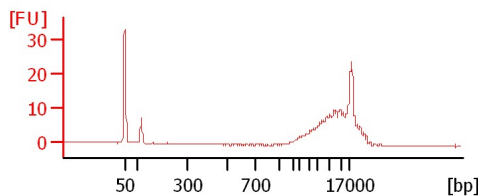
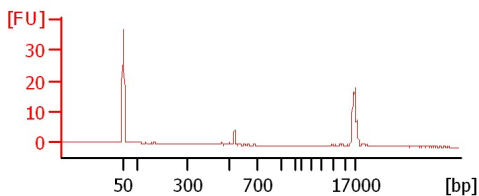


**JP2803 PB LIB**



**MR1 PB LIB**

**SER LIGHT\_1 PB LIB**



**JP 2803 CONC.**

Assay Class: DNA 12000  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-30\2015-04-30\_003.xad

Created: 4/30/2015 11:17:46 AM  
 Modified: 4/30/2015 11:56:24 AM

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

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
AJ4970 PB LIB		<input type="checkbox"/>	✓			
AJ4978 PB LIB		<input type="checkbox"/>	✓			
DOM-1 PB LIB		<input type="checkbox"/>	✓			
JP2803 PB LIB		<input type="checkbox"/>	✓			
MR1 PB LIB		<input type="checkbox"/>	✓			
SER LIGHT_1 PB LIB		<input type="checkbox"/>	✓			
JP 2803 CONC.		<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

**Chip Lot #**

**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: DNA 12000  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-30\2015-04-30\_003.xad

Created: 4/30/2015 11:17:46 AM  
Modified: 4/30/2015 11:56:24 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

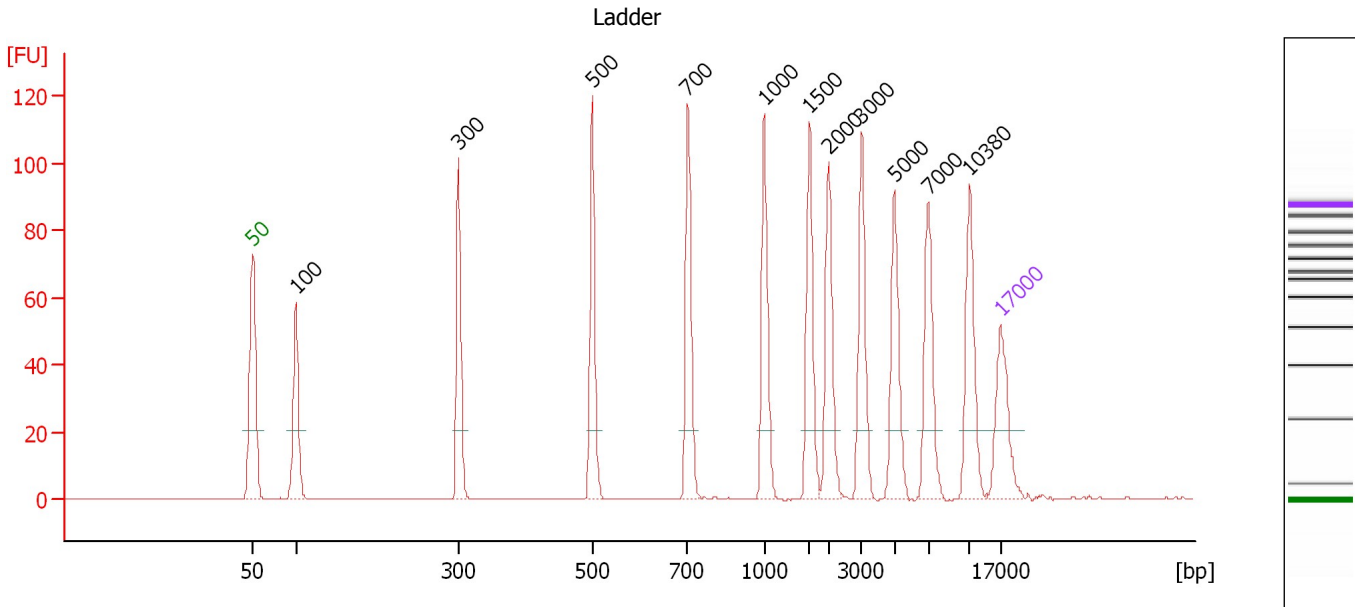
**Ladder**

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\2015-04-30\2015-04-30\_003.xad

Created: 4/30/2015 11:17:46 AM  
 Modified: 4/30/2015 11:56:24 AM

**Electropherogram Summary**



**Peak table for Ladder**

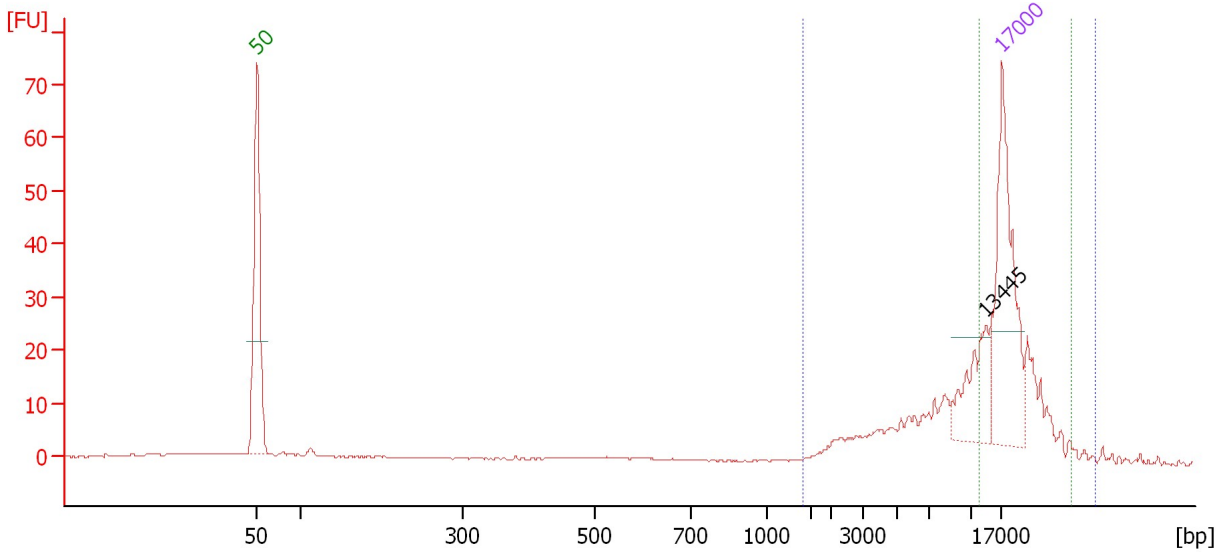
Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	100	4.00	60.6	Ladder Peak
3	300	4.00	20.2	Ladder Peak
4	500	4.00	12.1	Ladder Peak
5	700	4.00	8.7	Ladder Peak
6	1,000	4.00	6.1	Ladder Peak
7	1,500	4.00	4.0	Ladder Peak
8	2,000	4.00	3.0	Ladder Peak
9	3,000	4.00	2.0	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

Assay Class: DNA 12000  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-30\2015-04-30\_003.xad

Created: 4/30/2015 11:17:46 AM  
 Modified: 4/30/2015 11:56:24 AM

**Electropherogram Summary Continued ...**

AJ4970 PB LIB



**Overall Results for sample 1 : AJ4970 PB LIB**

Number of peaks found: 1                      Area 2: 51.3  
 Area 1: 140.2

**Peak table for sample 1 : AJ4970 PB LIB**

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	13,445	1.76	0.2	
3	17,000	4.20	0.4	Upper Marker

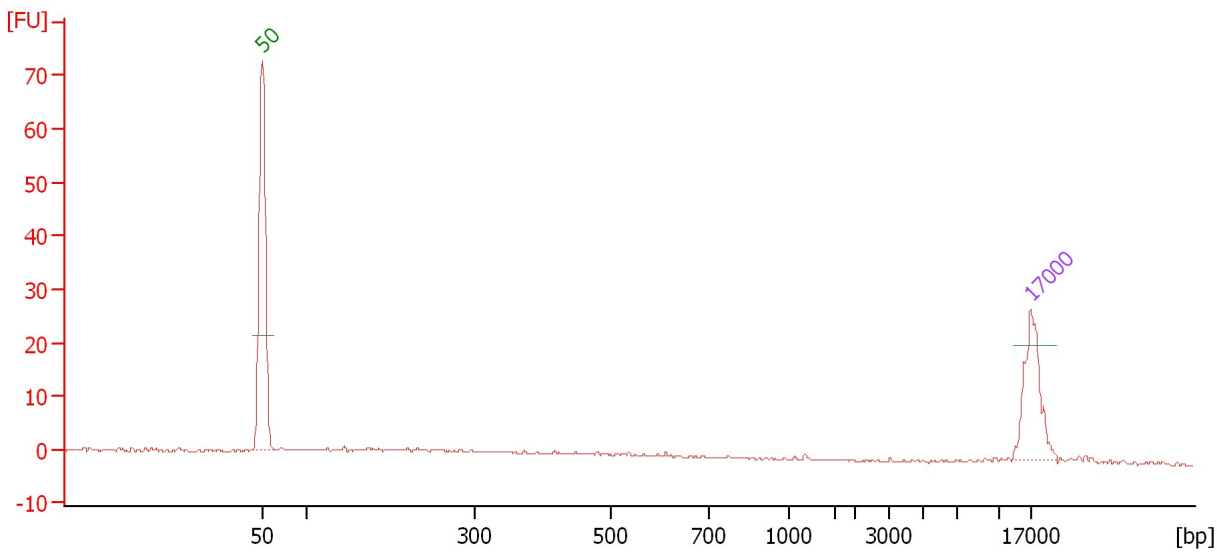
**Region table for sample 1 : AJ4970 PB LIB**

From [bp]	To [bp]	Average Size [bp]	Conc. [ng/μl]	Area	% of Total	Size distribution in CV [%]	Col or
1,401	37,305	14,721	6.58	140.2	90	47.8	Blue
12,258	32,107	18,877	2.32	51.3	33	21.8	Green

Assay Class: DNA 12000  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-30\2015-04-30\_003.xad

Created: 4/30/2015 11:17:46 AM  
Modified: 4/30/2015 11:56:24 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 :**

Number of peaks found: 0

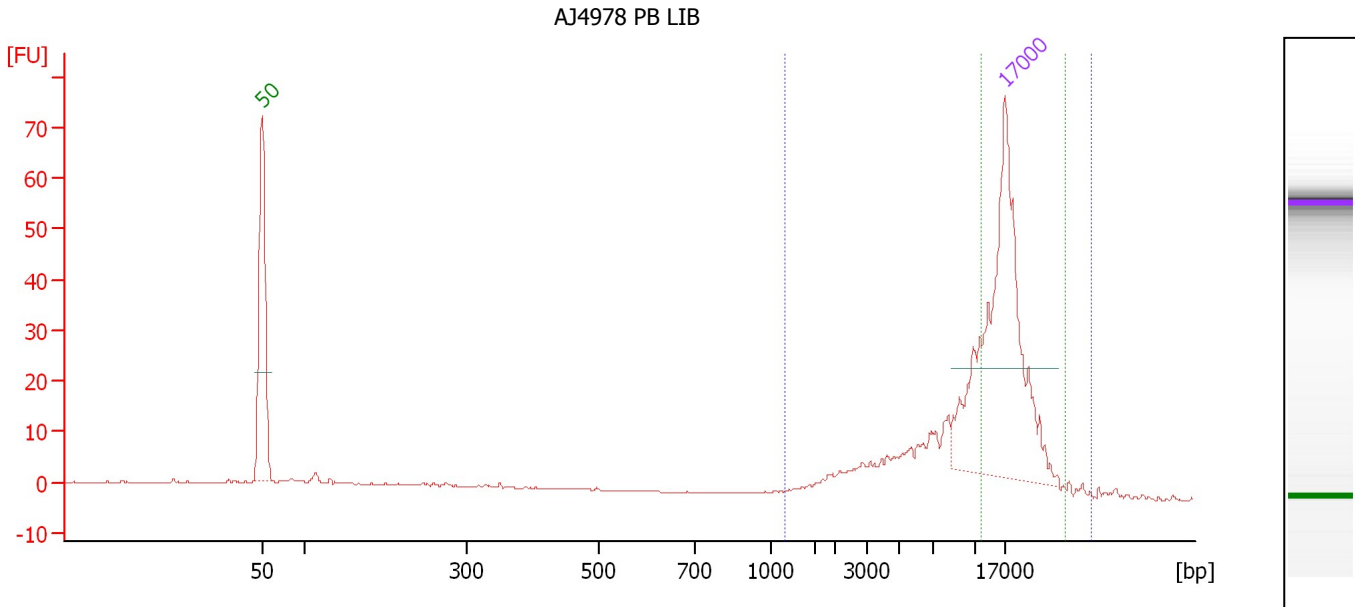
**Peak table for sample 2 :**

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\2015-04-30\2015-04-30\_003.xad

Created: 4/30/2015 11:17:46 AM  
 Modified: 4/30/2015 11:56:24 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : AJ4978 PB LIB**

Number of peaks found: 0                      Area 2: 0.5  
 Area 1: 70.8

**Peak table for sample 3 : AJ4978 PB LIB**

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

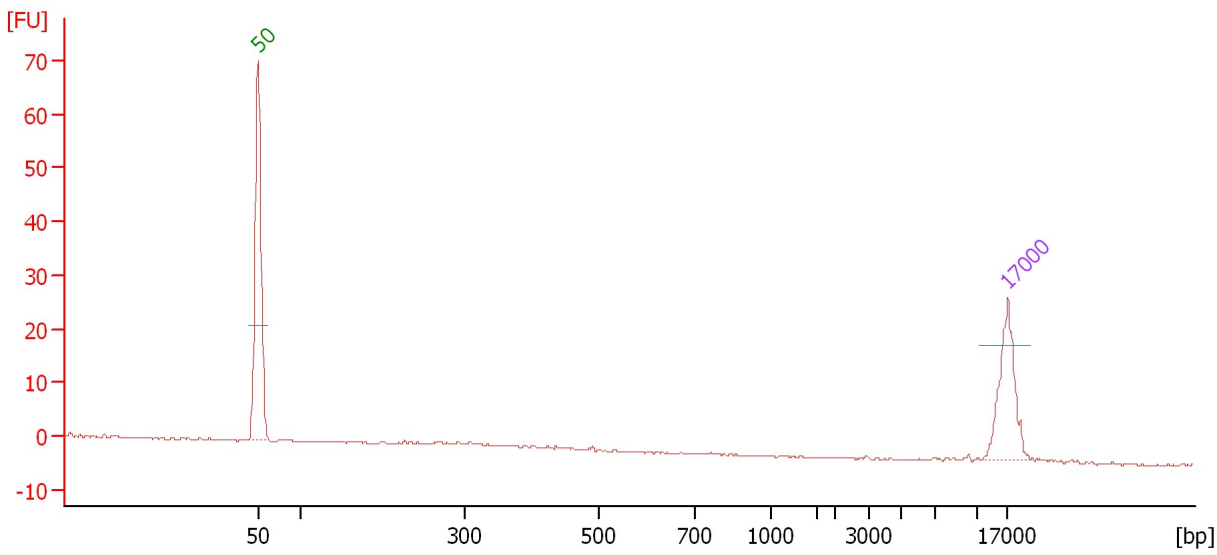
**Region table for sample 3 : AJ4978 PB LIB**

From [bp]	To [bp]	Average Size [bp]	Conc. [ng/μl]	Area	% of Total	Size distribution in CV [%]	Color
1,156	35,623	13,798	1.69	70.8	84	47.1	Blue
12,098	29,891	17,957	0.01	0.5	1	20.0	Green

Assay Class: DNA 12000  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-30\2015-04-30\_003.xad

Created: 4/30/2015 11:17:46 AM  
Modified: 4/30/2015 11:56:24 AM

**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

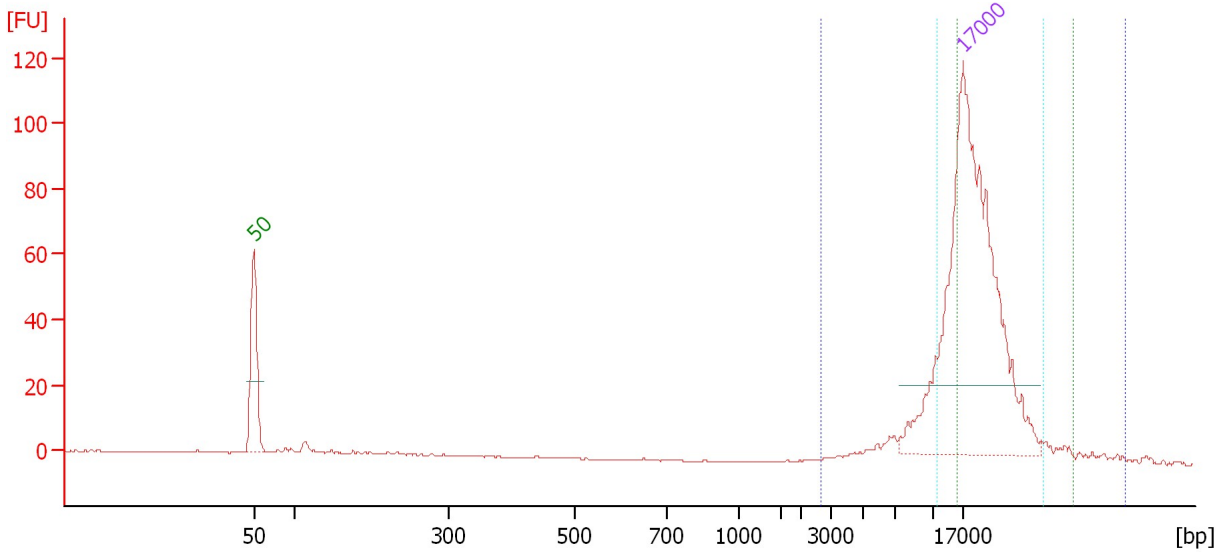


Assay Class: DNA 12000  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-30\2015-04-30\_003.xad

Created: 4/30/2015 11:17:46 AM  
 Modified: 4/30/2015 11:56:24 AM

**Electropherogram Summary Continued ...**

DOM-1 PB LIB



**Overall Results for sample 5 : DOM-1 PB LIB**

Number of peaks found: 0                      Area 2: 10.3  
 Area 1: 32.7                                      Area 3: 1.0

**Peak table for sample 5 : DOM-1 PB LIB**

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

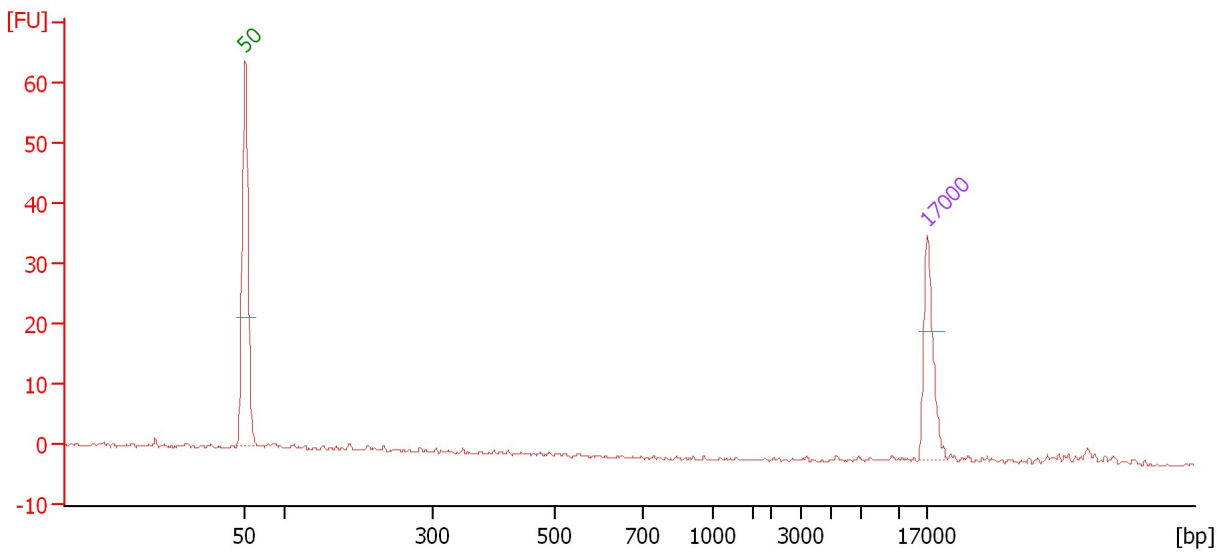
**Region table for sample 5 : DOM-1 PB LIB**

From [bp]	To [bp]	Average Size [bp]	Conc. [ng/μl]	Area	% of Total	Size distribution in CV [%]	Color
2,639	53,513	19,378	0.32	32.7	76	38.5	Blue
10,862	35,163	19,904	0.01	1.0	2	25.5	Cyan
15,404	41,894	21,729	0.10	10.3	24	23.8	Green

Assay Class: DNA 12000  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-30\2015-04-30\_003.xad

Created: 4/30/2015 11:17:46 AM  
Modified: 4/30/2015 11:56:24 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 6 :**

Number of peaks found: 0

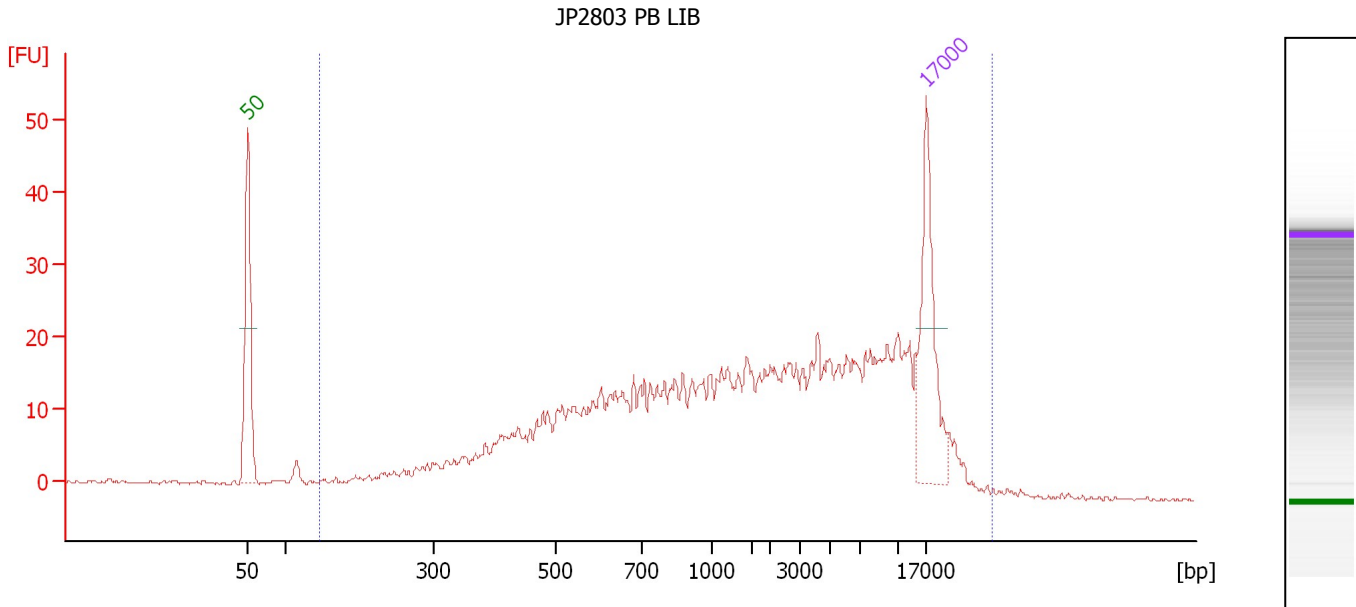
**Peak table for sample 6 :**

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

Assay Class: DNA 12000  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-30\2015-04-30\_003.xad

Created: 4/30/2015 11:17:46 AM  
 Modified: 4/30/2015 11:56:24 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : JP2803 PB LIB**

Number of peaks found: 0 Area 1: 458.3

**Peak table for sample 7 : JP2803 PB LIB**

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

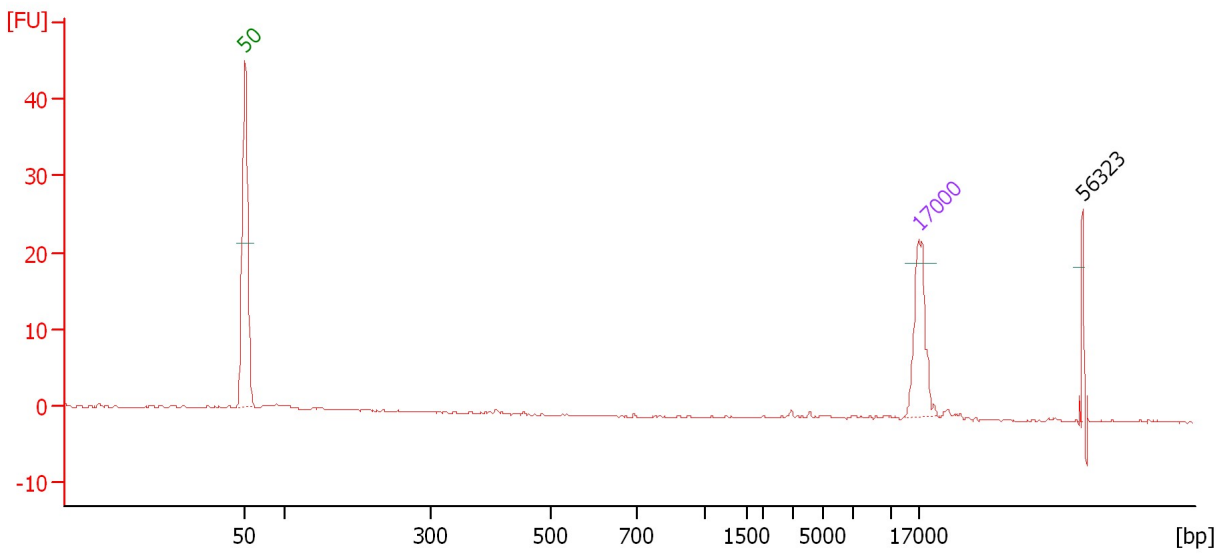
**Region table for sample 7 : JP2803 PB LIB**

From [bp]	To [bp]	Average Size [bp]	Conc. [ng/μl]	Area	% of Total	Size distribution in CV [%]	Color
146	32,529	5,136	43.48	458.3	99	100.0	Blue

Assay Class: DNA 12000  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-30\2015-04-30\_003.xad

Created: 4/30/2015 11:17:46 AM  
 Modified: 4/30/2015 11:56:24 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 8 :**

Number of peaks found: 0

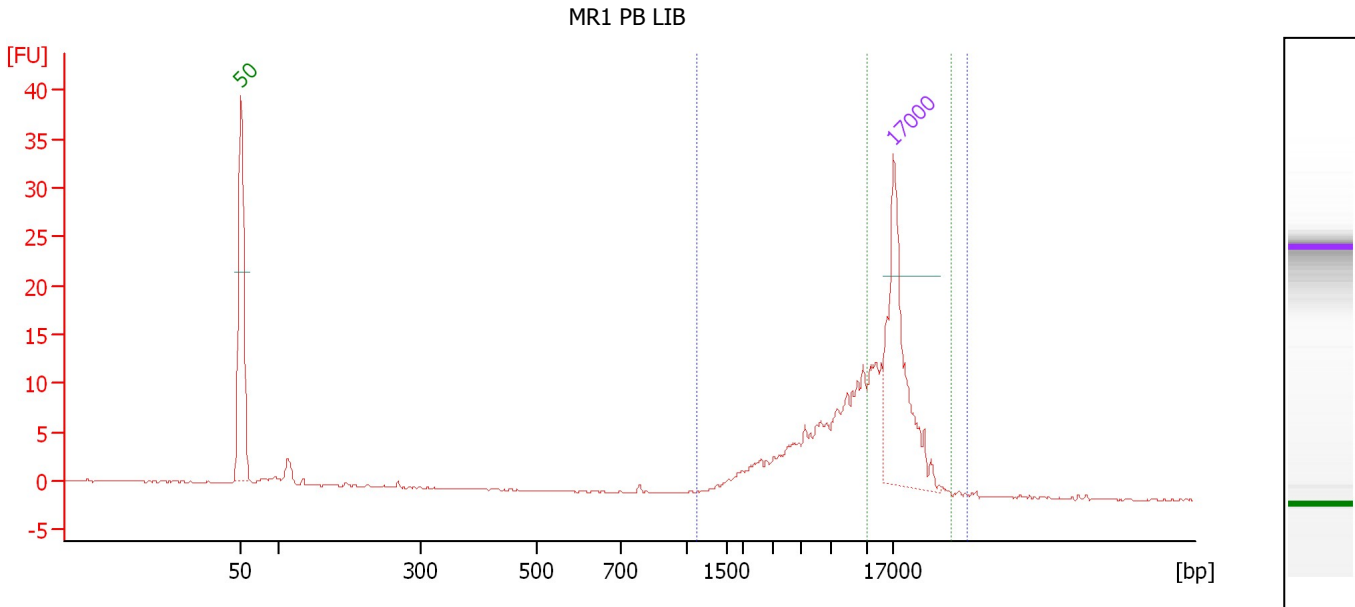
**Peak table for sample 8 :**

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
3	56,323	0.00	0.0	

Assay Class: DNA 12000  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-30\2015-04-30\_003.xad

Created: 4/30/2015 11:17:46 AM  
 Modified: 4/30/2015 11:56:24 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 9 : MR1 PB LIB**

Number of peaks found: 0                      Area 2: 15.0  
 Area 1: 68.9

**Peak table for sample 9 : MR1 PB LIB**

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

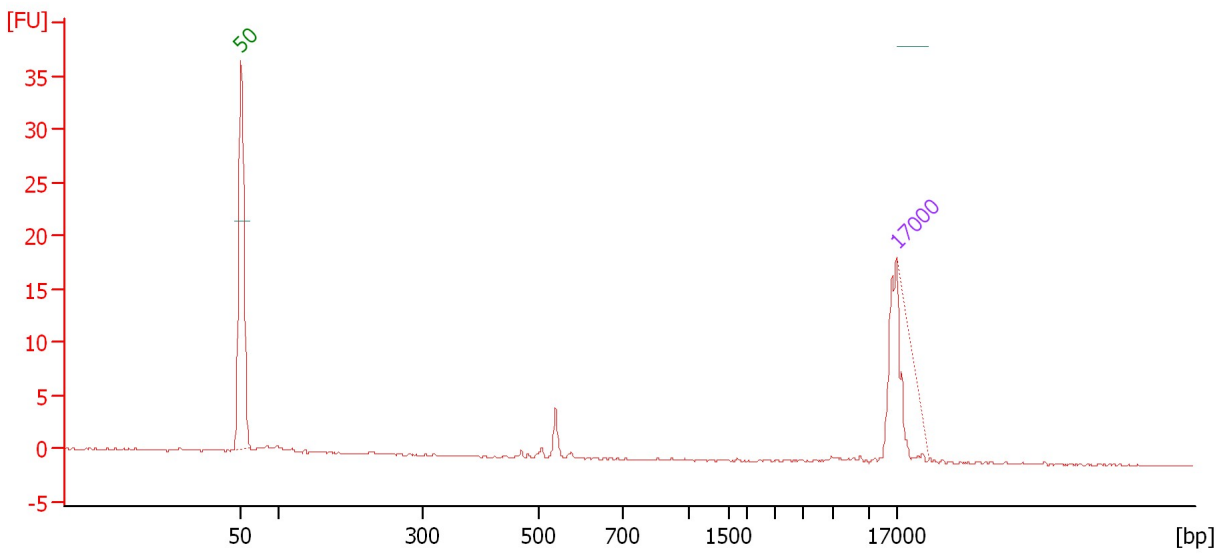
**Region table for sample 9 : MR1 PB LIB**

From [bp]	To [bp]	Average Size [bp]	Conc. [ng/μl]	Area	% of Total	Size distribution in CV [%]	Color
1,132	35,183	12,346	6.75	68.9	95	52.8	Blue
10,365	31,403	17,305	1.41	15.0	21	23.3	Green

Assay Class: DNA 12000  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-30\2015-04-30\_003.xad

Created: 4/30/2015 11:17:46 AM  
 Modified: 4/30/2015 11:56:24 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 10 :**

Number of peaks found: 0

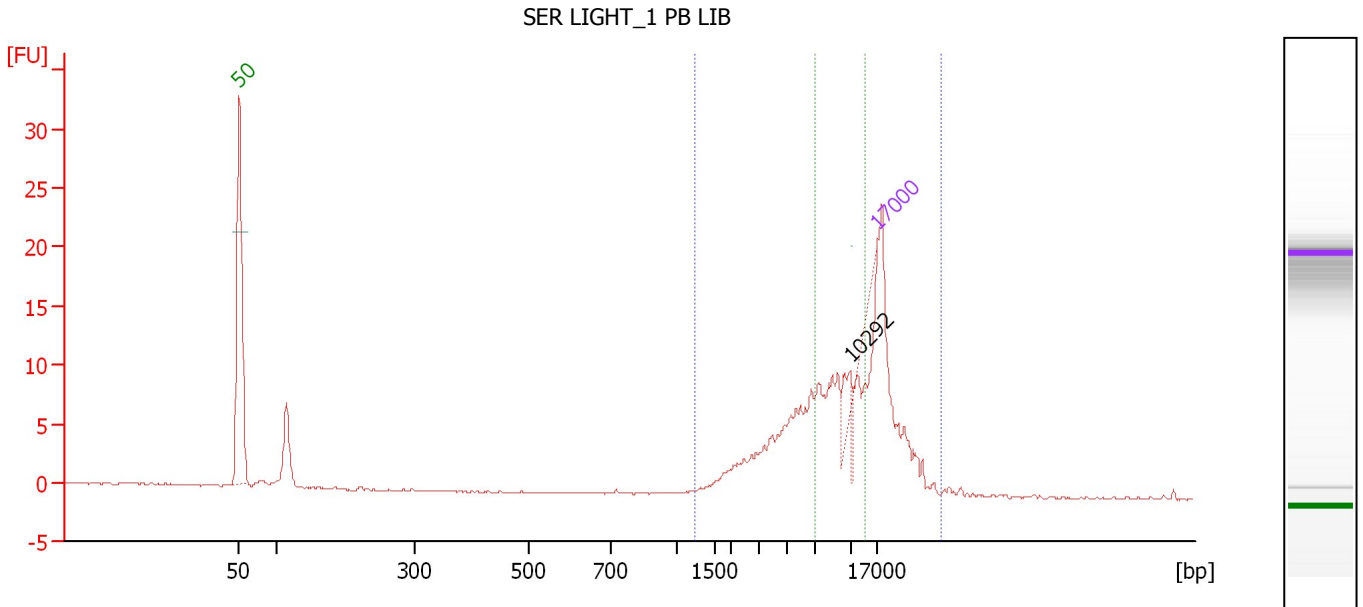
**Peak table for sample 10 :**

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\2015-04-30\2015-04-30\_003.xad

Created: 4/30/2015 11:17:46 AM  
Modified: 4/30/2015 11:56:24 AM

Electropherogram Summary Continued ...



Overall Results for sample 11 : SER LIGHT\_1 PB LIB

Number of peaks found:	0	Area 2:	16.2
Area 1:	74.5		

Peak table for sample 11 : SER LIGHT\_1 PB LIB

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	10,292	0.00	0.0	

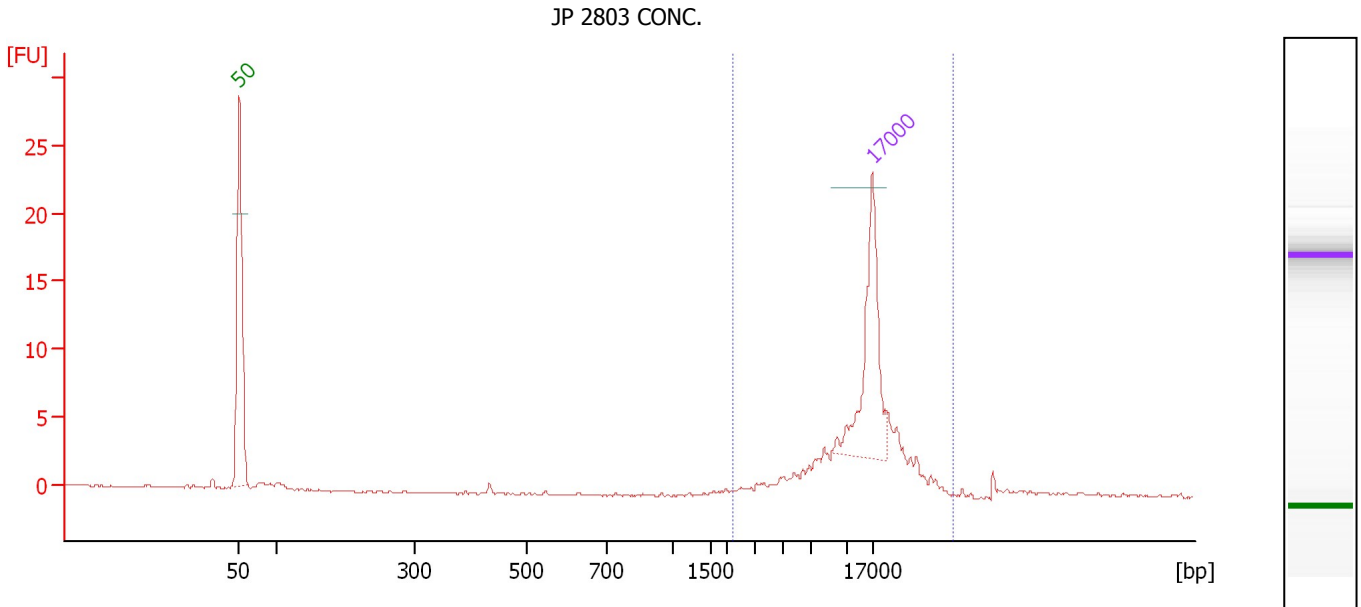
Region table for sample 11 : SER LIGHT\_1 PB LIB

From [bp]	To [bp]	Average Size [bp]	Conc. [ng/μl]	Area	% of Total	Size distribution in CV [%]	Color
1,257	33,097	11,783	80.23	74.5	93	57.6	Blue
6,904	13,751	9,497	17.71	16.2	20	18.8	Green

Assay Class: DNA 12000  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-30\2015-04-30\_003.xad

Created: 4/30/2015 11:17:46 AM  
 Modified: 4/30/2015 11:56:24 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 12 : JP 2803 CONC.**

Number of peaks found: 0 Area 1: 18.3

**Peak table for sample 12 : JP 2803 CONC.**

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 12 : JP 2803 CONC.**

From [bp]	To [bp]	Average Size [bp]	Conc. [ng/μl]	Area	% of Total	Size distribution in CV [%]	Color
2,235	37,738	15,948	3.42	18.3	85	40.0	Blue



Assay Class: DNA 12000  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-30\2015-04-30\_003.xad

Created: 4/30/2015 11:17:46 AM  
Modified: 4/30/2015 11:56:24 AM

**Gel Image**

