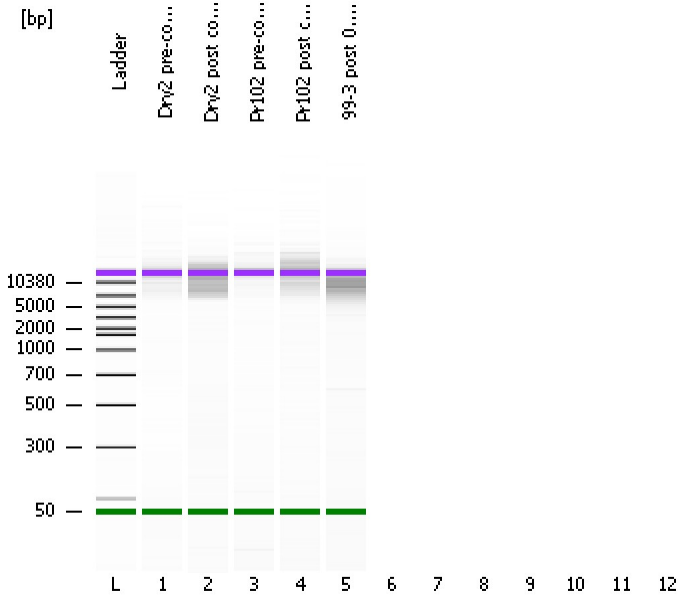


Assay Class: DNA 12000
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-16\2014-05-16_001.xad

Created: 5/16/2014 9:20:12 AM
Modified: 5/16/2014 10:05:31 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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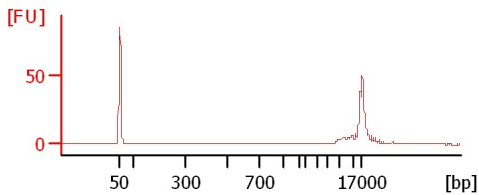
Chip Information:

Chip Lot #:

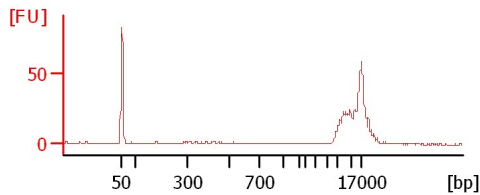
Reagent Kit Lot #:

Chip Comments:

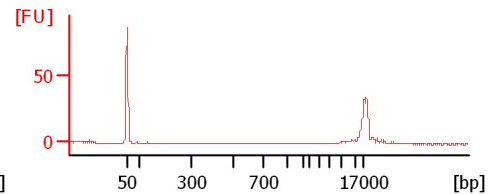
Dry2 pre-conc. (1:2)



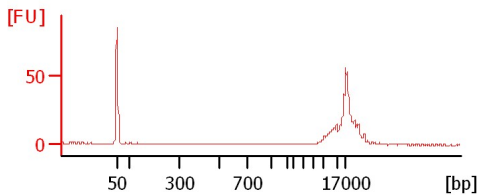
Dry2 post conc. (1:3)



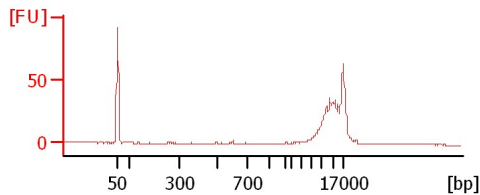
Pr102 pre-conc. (1:2)



Pr102 post conc. (1:3)



99-3 post 0.4x clean-up lib
4th clean-up, with 0.4x



Assay Class: DNA 12000
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-16\2014-05-16_001.xad

Created: 5/16/2014 9:20:12 AM
Modified: 5/16/2014 10:05:31 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
Dry2 pre-conc. (1:2)		<input type="checkbox"/>	✓			
Dry2 post conc. (1:3)		<input type="checkbox"/>	✓			
Pr102 pre-conc. (1:2)		<input type="checkbox"/>	✓			
Pr102 post conc. (1:3)		<input type="checkbox"/>	✓			
99-3 post 0.4x clean-up lib	4th clean-up, with 0.4x	<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\2014-05-16\2014-05-16_001.xad

Created: 5/16/2014 9:20:12 AM
Modified: 5/16/2014 10:05:31 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

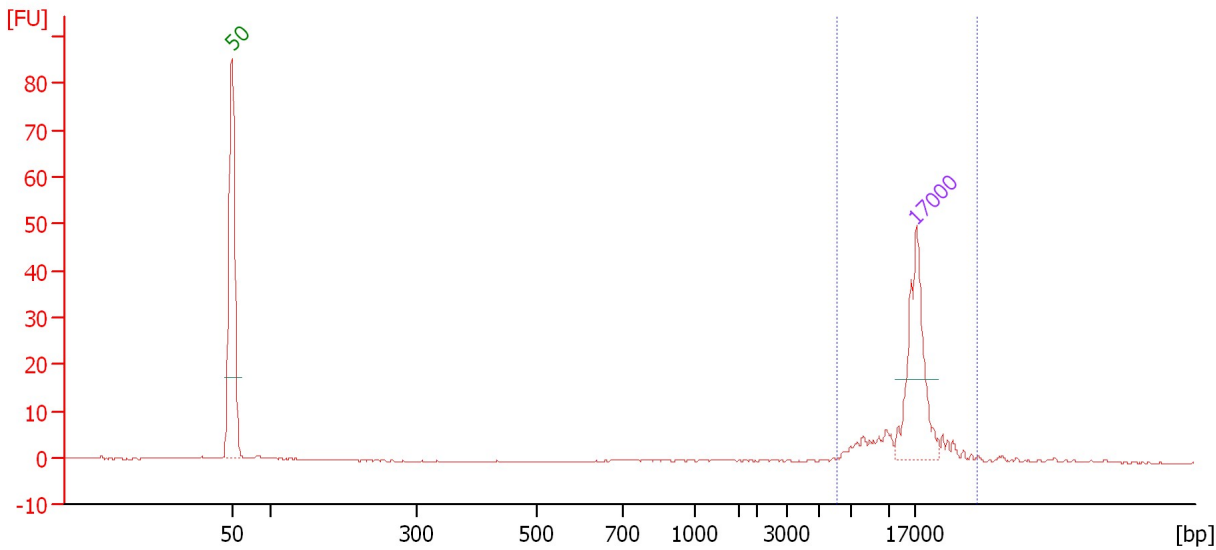
Ladder Peak	Size	Area
1	50	120
2	100	48
3	300	61
4	500	77
5	700	81
6	1000	86
7	1500	92
8	2000	92
9	3000	96
10	5000	100
11	7000	98
12	10380	102
13	17000	110

Assay Class: DNA 12000
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-16\2014-05-16_001.xad

Created: 5/16/2014 9:20:12 AM
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Electropherogram Summary

Dry2 pre-conc. (1:2)



Overall Results for sample 1 : Dry2 pre-conc. (1:2)

Number of peaks found: 0 Area 1: 22.8

Peak table for sample 1 : Dry2 pre-conc. (1:2)

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

Region table for sample 1 : Dry2 pre-conc. (1:2)

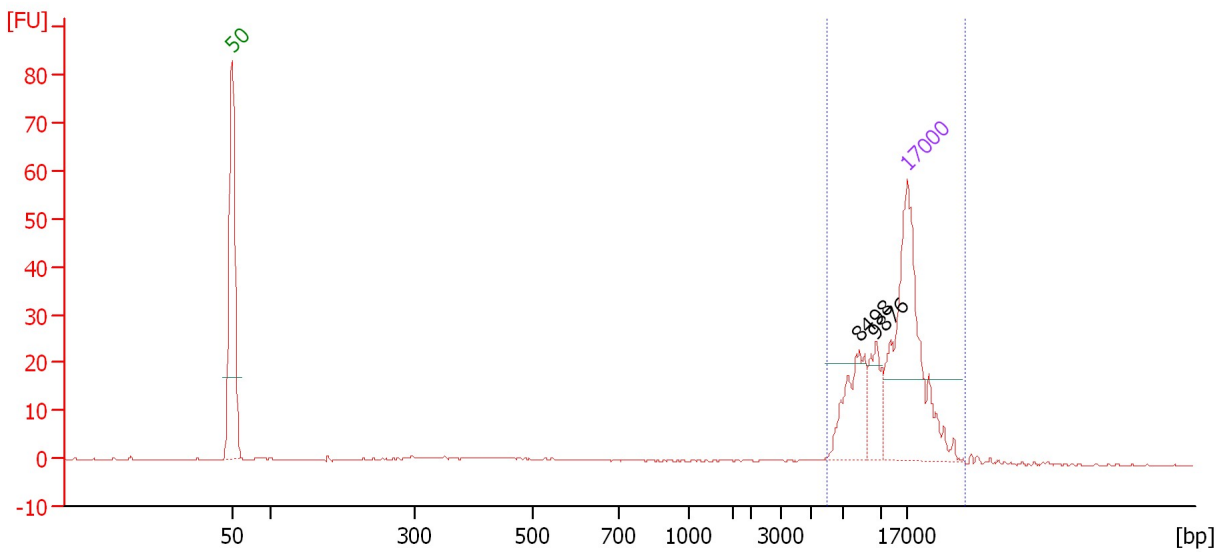
From [bp]	To [bp]	Average Size [bp]	Conc. [ng/μl]	Col Area or	% of Total	Size distribution in CV [%]
6,163	32,194	16,253	1.66	22.8	76	29.3

Assay Class: DNA 12000
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-16\2014-05-16_001.xad

Created: 5/16/2014 9:20:12 AM
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Electropherogram Summary Continued ...

Dry2 post conc. (1:3)



Overall Results for sample 2 : Dry2 post conc. (1:3)

Number of peaks found: 2 Area 1: 63.3

Peak table for sample 2 : Dry2 post conc. (1:3)

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	8,498	1.44	0.3	
3	9,876	0.84	0.1	
4	17,000	4.20	0.4	Upper Marker

Region table for sample 2 : Dry2 post conc. (1:3)

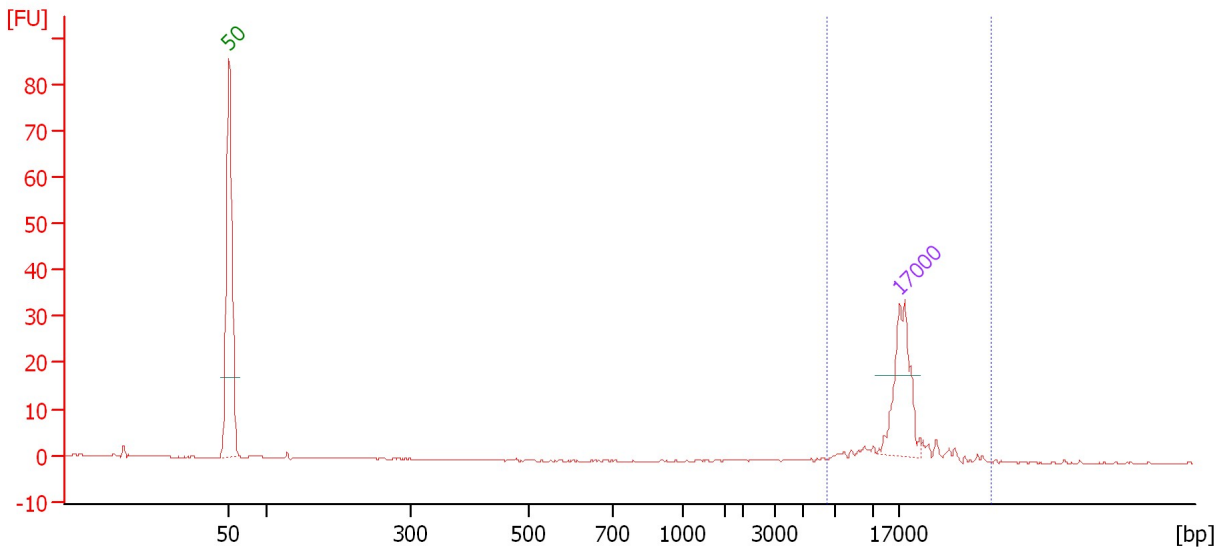
From [bp]	To [bp]	Average Size [bp]	Conc. [ng/μl]	Col Area or	% of Total	Size distribution in CV [%]
6,024	31,602	14,490	2.42	63.3	77	37.0

Assay Class: DNA 12000
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-16\2014-05-16_001.xad

Created: 5/16/2014 9:20:12 AM
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Electropherogram Summary Continued ...

Pr102 pre-conc. (1:2)



Overall Results for sample 3 : Pr102 pre-conc. (1:2)

Number of peaks found: 0 Area 1: 14.0

Peak table for sample 3 : Pr102 pre-conc. (1:2)

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

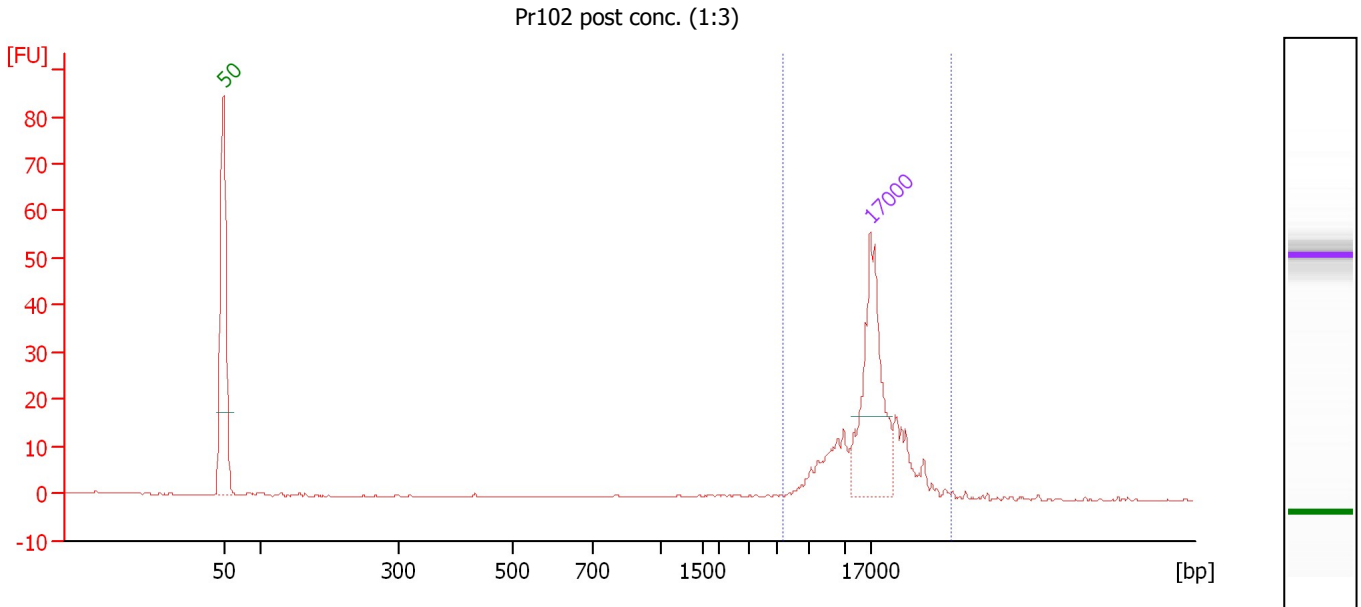
Region table for sample 3 : Pr102 pre-conc. (1:2)

From [bp]	To [bp]	Average Size [bp]	Conc. [ng/μl]	Col Area or	% of Total	Size distribution in CV [%]
6,490	40,101	17,938	1.37	14.0	80	29.3

Assay Class: DNA 12000
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-16\2014-05-16_001.xad

Created: 5/16/2014 9:20:12 AM
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Electropherogram Summary Continued ...



Overall Results for sample 4 : Pr102 post conc. (1:3)

Number of peaks found: 0 Area 1: 57.4

Peak table for sample 4 : Pr102 post conc. (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

Region table for sample 4 : Pr102 post conc. (1:3)

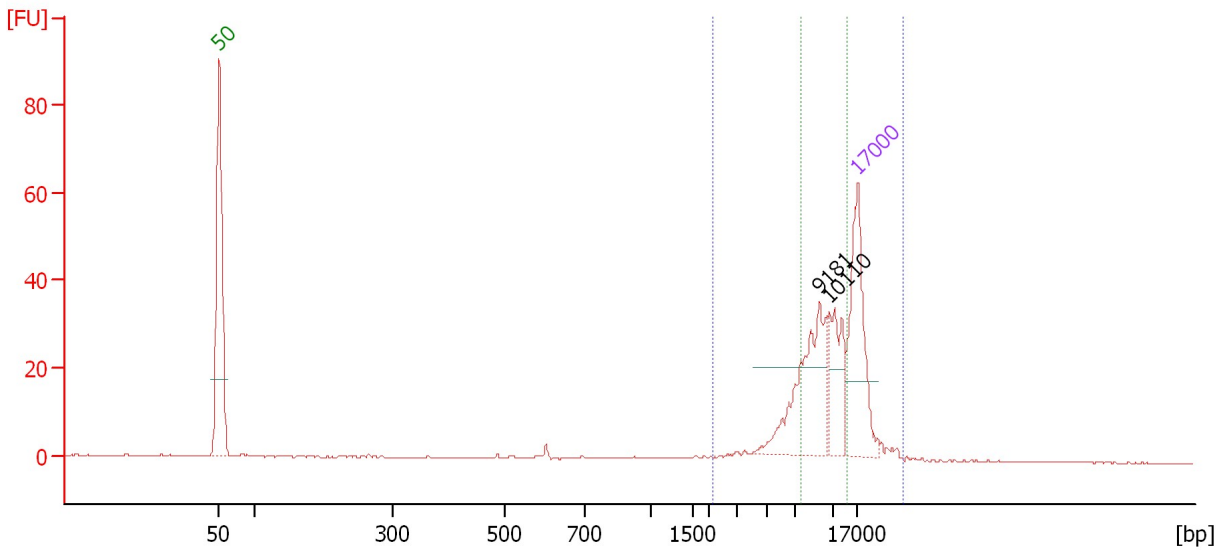
From [bp]	To [bp]	Average Size [bp]	Conc. [ng/μl]	Col Area or	% of Total	Size distribution in CV [%]
5,285	38,398	17,525	2.98	57.4	89	36.4

Assay Class: DNA 12000
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-16\2014-05-16_001.xad

Created: 5/16/2014 9:20:12 AM
 Modified: 5/16/2014 10:05:31 AM

Electropherogram Summary Continued ...

99-3 post 0.4x clean-up lib [4th clean-up, with 0.4x]



Overall Results for sample 5 : 99-3 post 0.4x clean-up lib

Number of peaks found: 2 Area 2: 91.3
 Area 1: 128.6

Peak table for sample 5 : 99-3 post 0.4x clean-up lib

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	9,181	4.63	0.8	
3	10,110	2.21	0.3	
4	17,000	4.20	0.4	Upper Marker

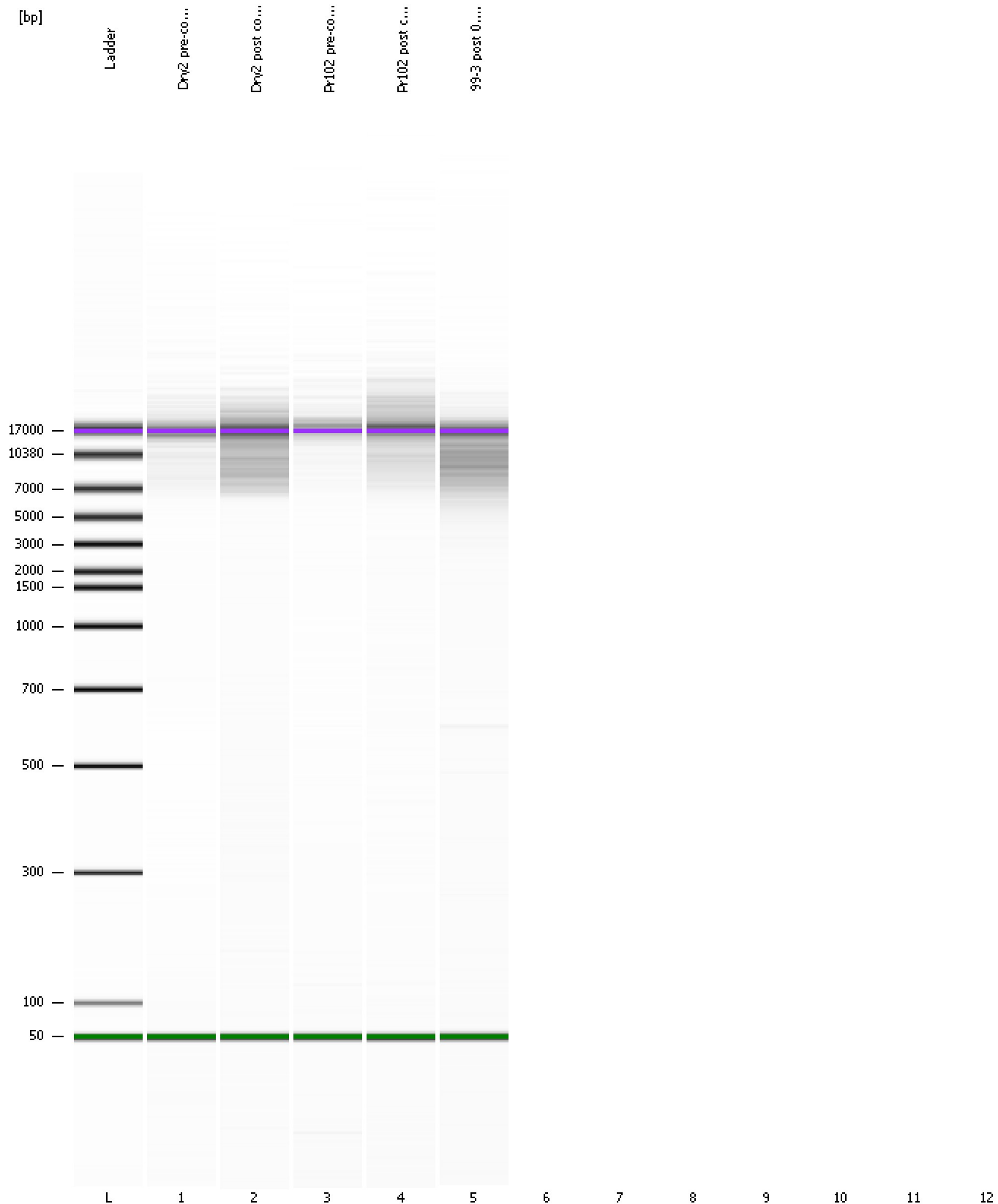
Region table for sample 5 : 99-3 post 0.4x clean-up lib

From [bp]	To [bp]	Average Size [bp]	Conc. [ng/μl]	Col Area or	% of Total	Size distribution in CV [%]
2,171	29,159	12,177	8.20	128.6	87	40.3
7,534	13,992	9,929	5.80	91.3	62	16.8

Assay Class: DNA 12000
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-16\2014-05-16_001.xad

Created: 5/16/2014 9:20:12 AM
Modified: 5/16/2014 10:05:31 AM

Gel Image



Assay Class: DNA 12000
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-16\2014-05-16_001.xad

Created: 5/16/2014 9:20:12 AM
Modified: 5/16/2014 10:05:31 AM

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.