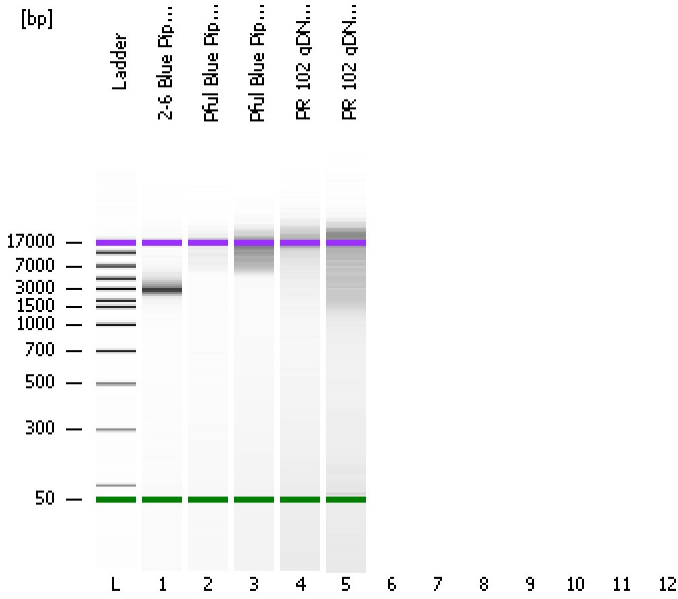


Assay Class: DNA 12000
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-09\2014-05-09_007.xad

Created: 5/9/2014 1:44:13 PM
Modified: 5/9/2014 2:13:01 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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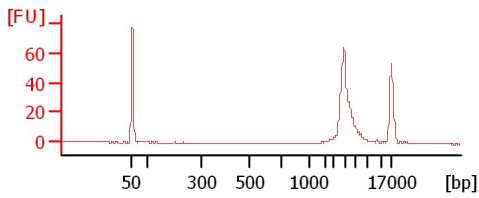
Chip Information:

Chip Lot #:

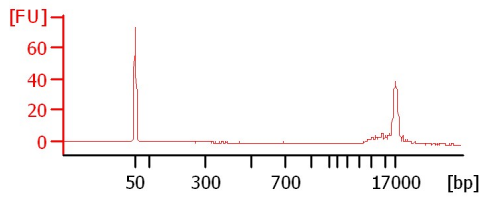
Reagent Kit Lot #:

Chip Comments:

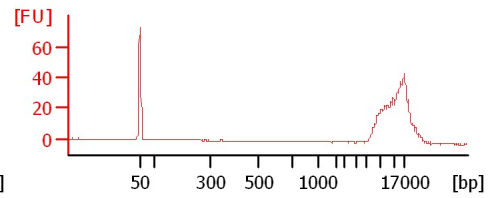
2-6 Blue Pippin (1:20)



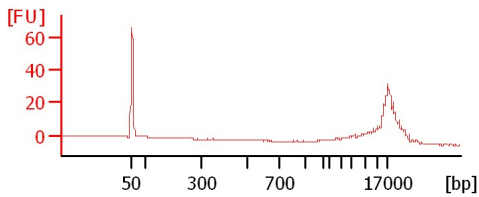
Pful Blue Pippin (1:2) pre-conc.



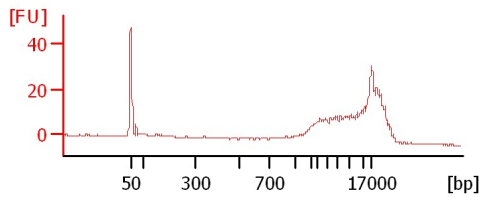
Pful Blue Pippin (1:3) post conc.



PR 102 gDNA (1:4)



PR 102 gDNA undiluted



Assay Class: DNA 12000
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-09\2014-05-09_007.xad

Created: 5/9/2014 1:44:13 PM
Modified: 5/9/2014 2:13:01 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
2-6 Blue Pippin (1:20)		<input type="checkbox"/>	✓			
Pful Blue Pippin (1:2) pre-conc.		<input type="checkbox"/>	✓			
Pful Blue Pippin (1:3) post conc.		<input type="checkbox"/>	✓			
PR 102 gDNA (1:4)		<input type="checkbox"/>	✓			
PR 102 gDNA undiluted		<input type="checkbox"/>	✓			
		<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\2014-05-09\2014-05-09_007.xad

Created: 5/9/2014 1:44:13 PM
 Modified: 5/9/2014 2:13:01 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

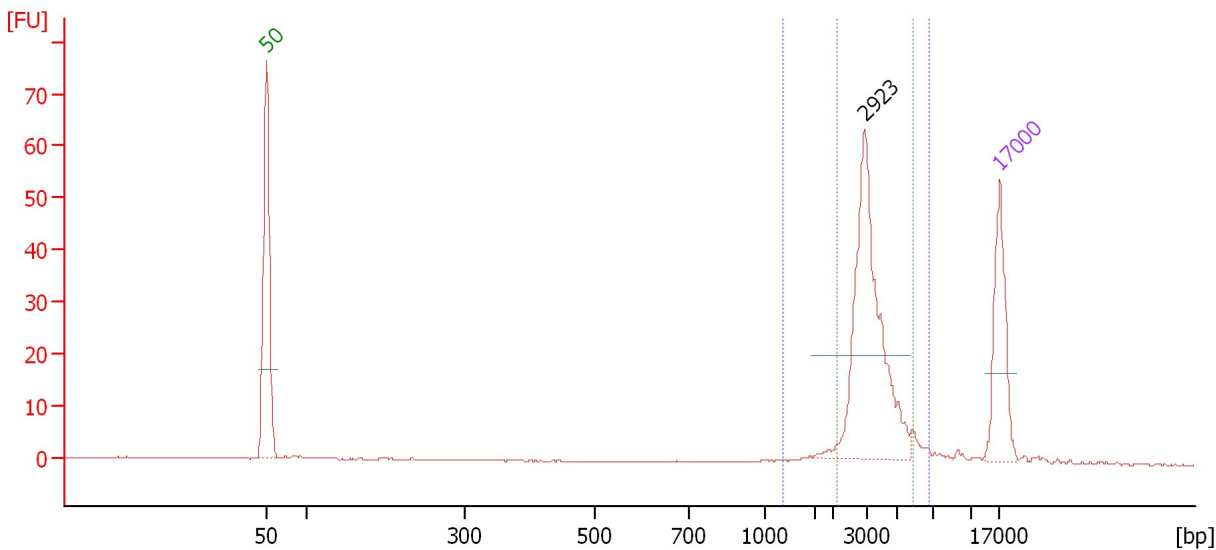
Ladder Peak	Size	Area
1	50	120
2	100	48
3	300	61
4	500	77
5	700	81
6	1000	86
7	1500	92
8	2000	92
9	3000	96
10	5000	100
11	7000	98
12	10380	102
13	17000	110

Assay Class: DNA 12000
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-09\2014-05-09_007.xad

Created: 5/9/2014 1:44:13 PM
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Electropherogram Summary

2-6 Blue Pippin (1:20)



Overall Results for sample 1 : 2-6 Blue Pippin (1:20)

Number of peaks found: 1 Area 2: 125.1
 Area 1: 134.0

Peak table for sample 1 : 2-6 Blue Pippin (1:20)

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	2,923	11.51	6.0	
3	17,000	4.20	0.4	Upper Marker

Region table for sample 1 : 2-6 Blue Pippin (1:20)

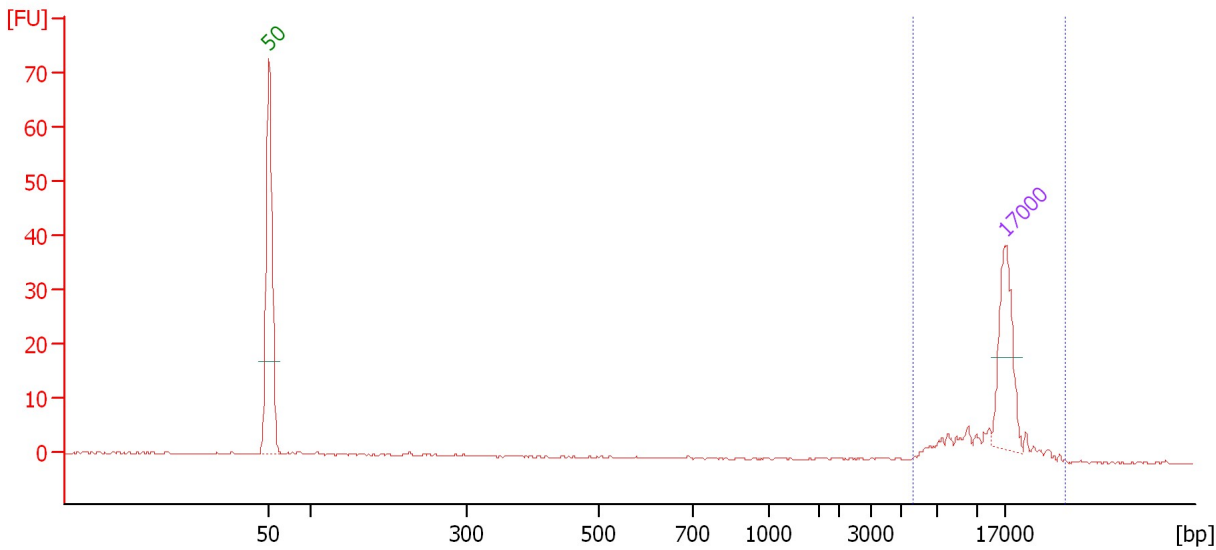
From [bp]	To [bp]	Average Size [bp]	Conc. [ng/μl]	Area	% of Total	Size distribution in CV [%]	Color
1,183	6,783	3,415	12.57	134.0	92	29.6	Blue
2,107	5,937	3,385	11.71	125.1	86	24.8	Green

Assay Class: DNA 12000
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-09\2014-05-09_007.xad

Created: 5/9/2014 1:44:13 PM
 Modified: 5/9/2014 2:13:01 PM

Electropherogram Summary Continued ...

Pful Blue Pippin (1:2) pre-conc.



Overall Results for sample 2 : Pful Blue Pippin (1:2) pre-conc.

Number of peaks found: 0 Area 1: 25.0

Peak table for sample 2 : Pful Blue Pippin (1:2) pre-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 2 : Pful Blue Pippin (1:2) pre-conc.

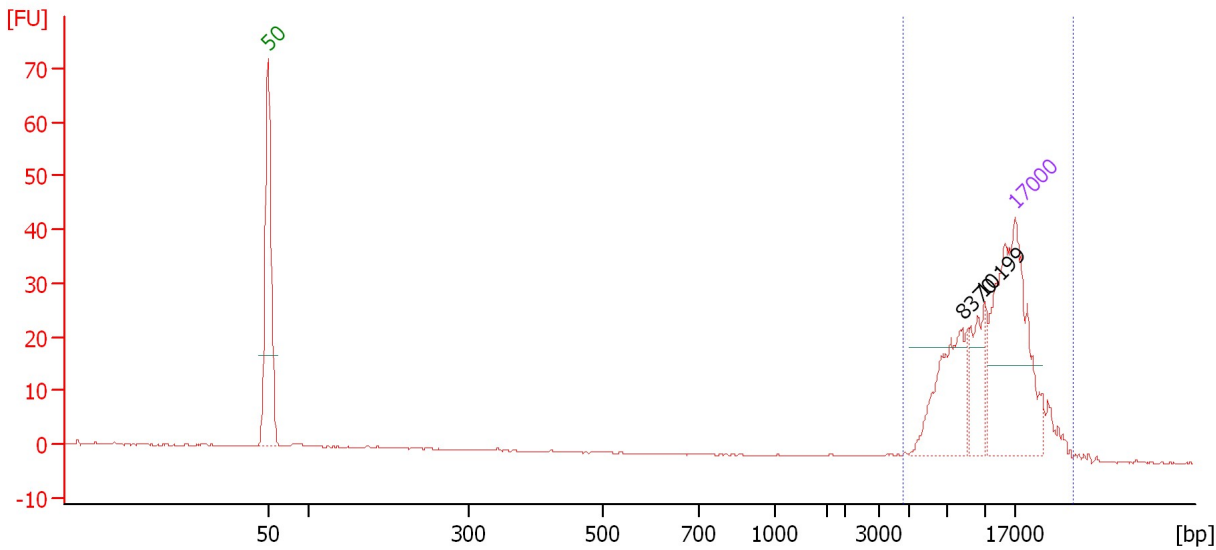
From [bp]	To [bp]	Average Size [bp]	Conc. [ng/μl]	Area	% of Total	Size distribution in CV [%]	Color
5,647	31,027	15,614	2.61	25.0	70	30.7	Blue

Assay Class: DNA 12000
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-09\2014-05-09_007.xad

Created: 5/9/2014 1:44:13 PM
 Modified: 5/9/2014 2:13:01 PM

Electropherogram Summary Continued ...

Pful Blue Pippin (1:3) post conc.



Overall Results for sample 3 : Pful Blue Pippin (1:3) post conc.

Number of peaks found: 2 Area 1: 104.0

Peak table for sample 3 : Pful Blue Pippin (1:3) post conc.

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	8,370	2.14	0.4	
3	10,199	1.08	0.2	
4	17,000	4.20	0.4	Upper Marker

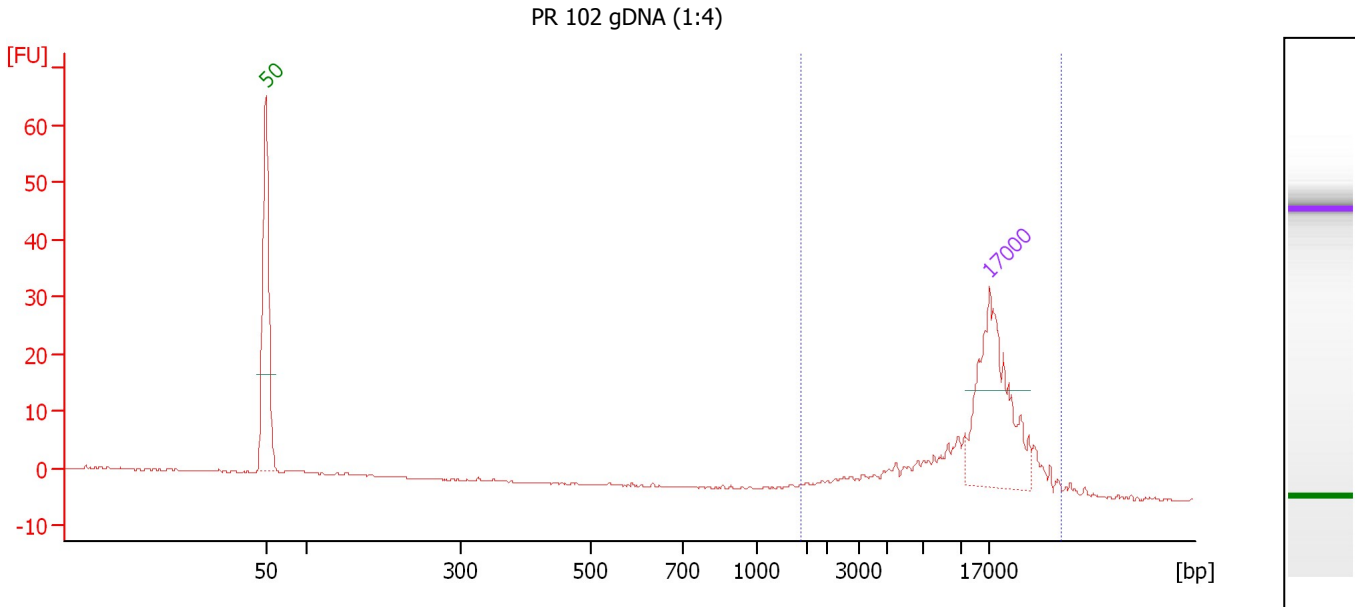
Region table for sample 3 : Pful Blue Pippin (1:3) post conc.

From [bp]	To [bp]	Average Size [bp]	Conc. [ng/μl]	Area	% of Total	Size distribution in CV [%]	Color
4,564	30,315	13,419	3.99	104.0	88	41.6	Blue

Assay Class: DNA 12000
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-09\2014-05-09_007.xad

Created: 5/9/2014 1:44:13 PM
 Modified: 5/9/2014 2:13:01 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : PR 102 gDNA (1:4)

Number of peaks found: 0 Area 1: 50.9

Peak table for sample 4 : PR 102 gDNA (1:4)

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

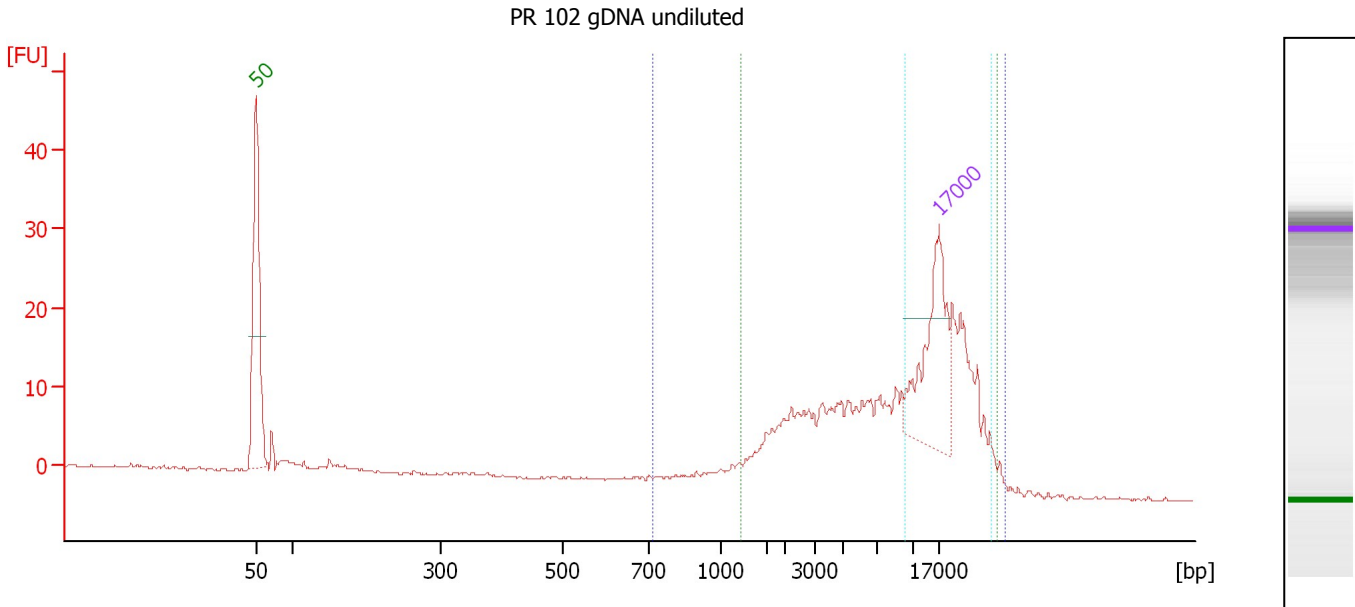
Region table for sample 4 : PR 102 gDNA (1:4)

From [bp]	To [bp]	Average Size [bp]	Conc. [ng/μl]	Area	% of Total	Size distribution in CV [%]	Color
1,440	33,893	15,591	2.70	50.9	84	46.5	Blue

Assay Class: DNA 12000
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-09\2014-05-09_007.xad

Created: 5/9/2014 1:44:13 PM
 Modified: 5/9/2014 2:13:01 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : PR 102 gDNA undiluted

Number of peaks found: 0
 Area 1: 161.0
 Area 2: 151.1
 Area 3: 46.1

Peak table for sample 5 : PR 102 gDNA undiluted

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

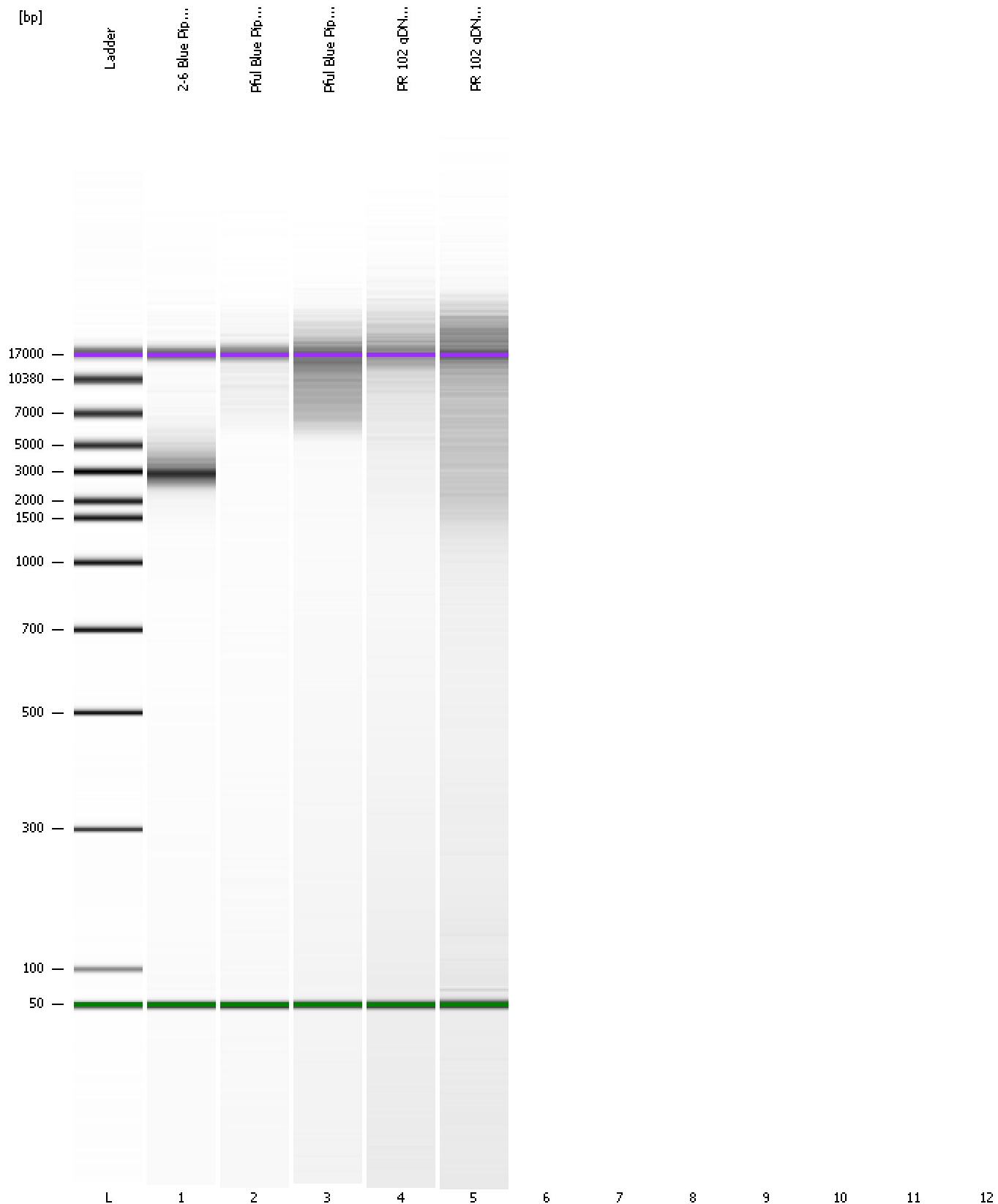
Region table for sample 5 : PR 102 gDNA undiluted

From [bp]	To [bp]	Average Size [bp]	Conc. [ng/μl]	Area	% of Total	Size distribution in CV [%]	Color
717	33,819	11,826	15.24	161.0	92	72.3	Blue
1,216	31,830	12,082	14.18	151.1	87	68.6	Green
9,676	30,339	18,680	4.04	46.1	26	28.3	Cyan

Assay Class: DNA 12000
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-09\2014-05-09_007.xad

Created: 5/9/2014 1:44:13 PM
Modified: 5/9/2014 2:13:01 PM

Gel Image



Assay Class: DNA 12000
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-09\2014-05-09_007.xad

Created: 5/9/2014 1:44:13 PM
Modified: 5/9/2014 2:13:01 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.