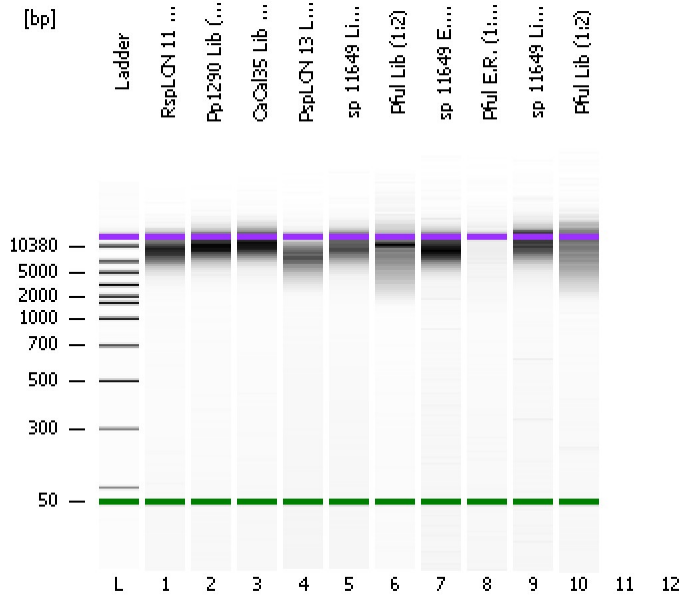


Assay Class: DNA 12000
Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-06\2014-02-06_001.xad

Created: 2/6/2014 9:47:20 AM
Modified: 2/6/2014 10:21:30 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

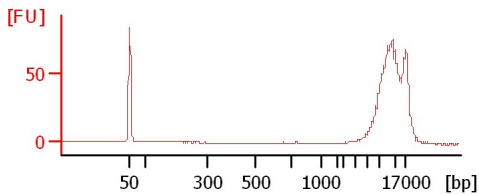
Assay Class: DNA 12000
Version: 2.4
Assay Comments: DNA Analysis 100 -12000 bp

© Copyright 2003-2009 Agilent Technologies, Inc.

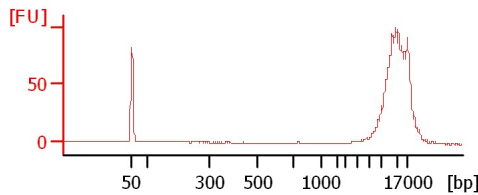
Chip Information:

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

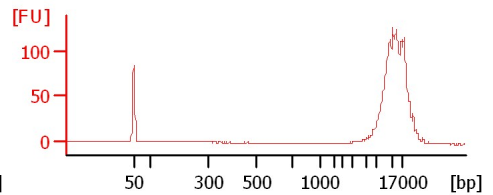
RspLCN 11 Lib (1:2)



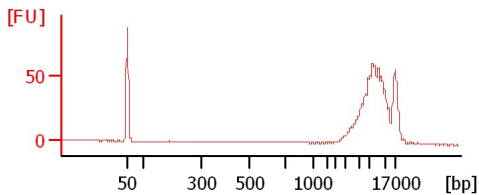
Pp1290 Lib (1:2)



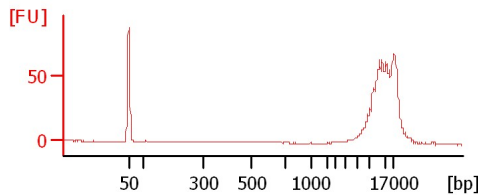
CaCal35 Lib (1:2)



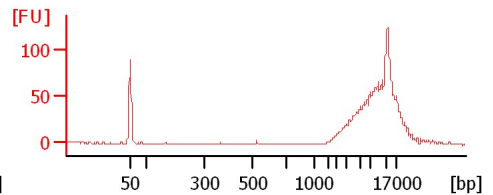
PspLCN 13 Lib (1:2)



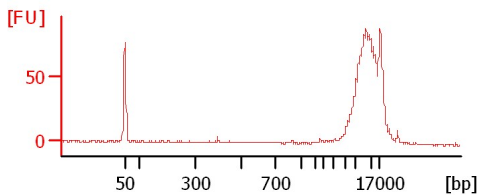
sp 11649 Lib (1:2)



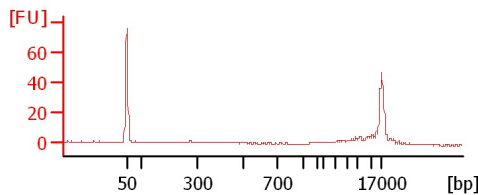
Pful Lib (1:2)



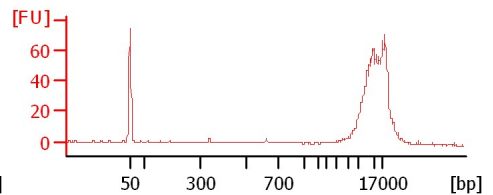
sp 11649 E.R. (1:4)



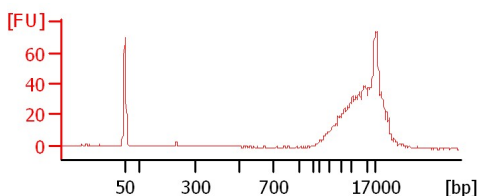
Pful E.R. (1:20)



sp 11649 Lib (1:2)



Pful Lib (1:2)



Assay Class: DNA 12000
Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-06\2014-02-06_001.xad

Created: 2/6/2014 9:47:20 AM
Modified: 2/6/2014 10:21:30 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
RspLCN 11 Lib (1:2)		<input type="checkbox"/>	✓			
Pp1290 Lib (1:2)		<input type="checkbox"/>	✓			
CaCal35 Lib (1:2)		<input type="checkbox"/>	✓			
PspLCN 13 Lib (1:2)		<input type="checkbox"/>	✓			
sp 11649 Lib (1:2)		<input type="checkbox"/>	✓			
Pful Lib (1:2)		<input type="checkbox"/>	✓			
sp 11649 E.R. (1:4)		<input type="checkbox"/>	✓			
Pful E.R. (1:20)		<input type="checkbox"/>	✓			
sp 11649 Lib (1:2)		<input type="checkbox"/>	✓			
Pful Lib (1:2)		<input type="checkbox"/>	✓			
		<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\2014-02-06\2014-02-06_001.xad

Created: 2/6/2014 9:47:20 AM
Modified: 2/6/2014 10:21:30 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

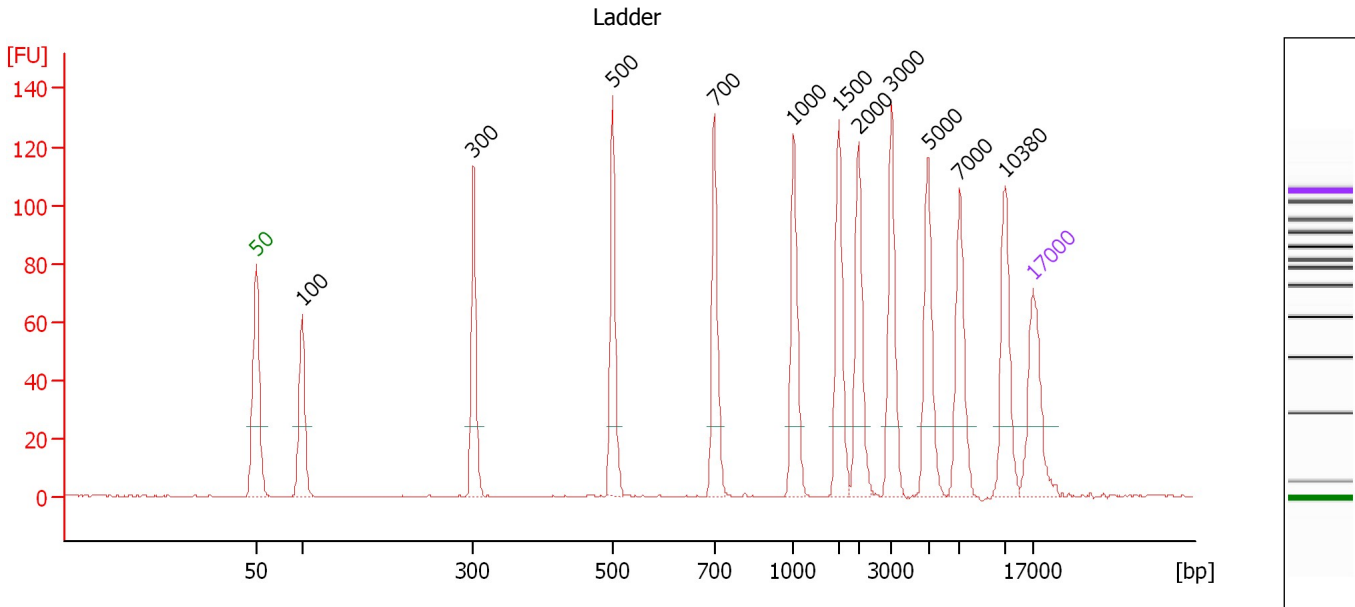
Ladder

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\2014-02-06\2014-02-06_001.xad

Created: 2/6/2014 9:47:20 AM
 Modified: 2/6/2014 10:21:30 AM

Electropherogram Summary



Peak table for Ladder

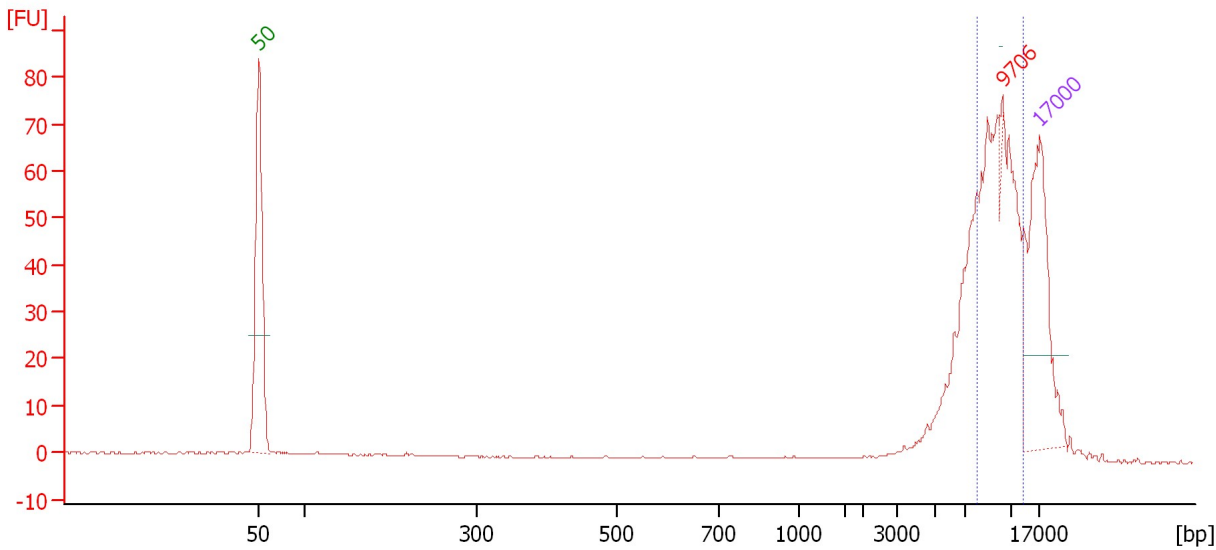
Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	100	4.00	60.6	Ladder Peak
3	300	4.00	20.2	Ladder Peak
4	500	4.00	12.1	Ladder Peak
5	700	4.00	8.7	Ladder Peak
6	1,000	4.00	6.1	Ladder Peak
7	1,500	4.00	4.0	Ladder Peak
8	2,000	4.00	3.0	Ladder Peak
9	3,000	4.00	2.0	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\2014-02-06\2014-02-06_001.xad

Created: 2/6/2014 9:47:20 AM
 Modified: 2/6/2014 10:21:30 AM

Electropherogram Summary Continued ...

RspLCN 11 Lib (1:2)



Overall Results for sample 1 : RspLCN 11 Lib (1:2)

Number of peaks found: 0 Area 1: 211.8

Peak table for sample 1 : RspLCN 11 Lib (1:2)

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	9,706	0.22	0.0	excluded peak
3	17,000	4.20	0.4	Upper Marker

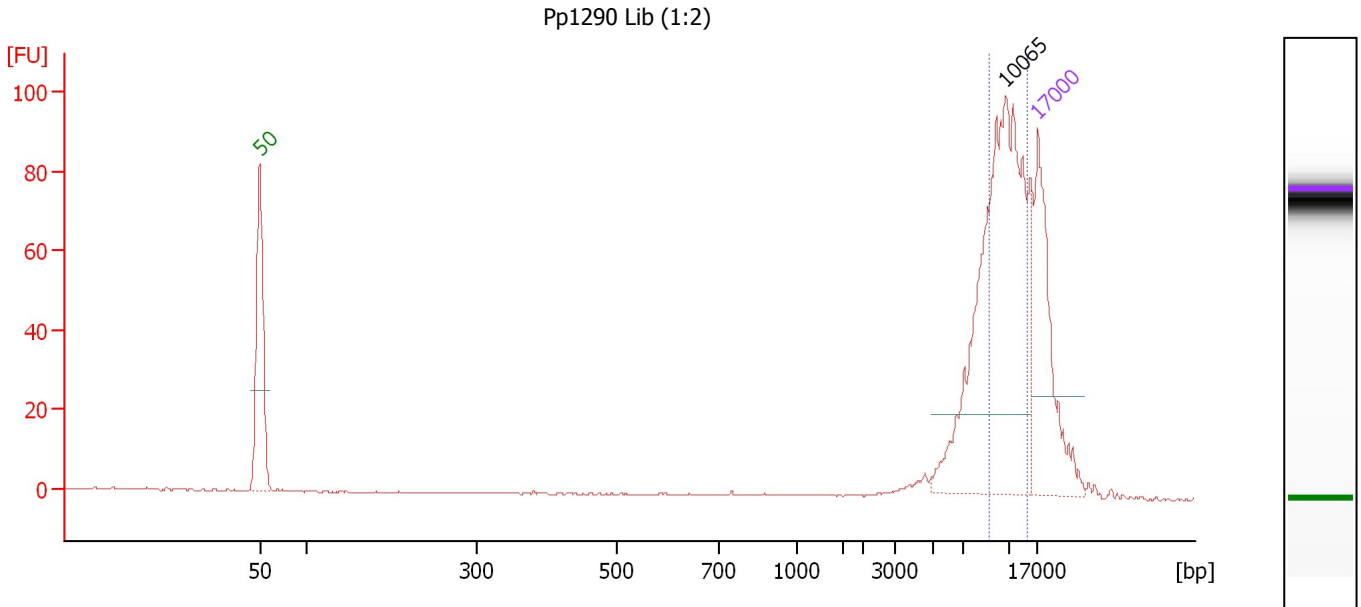
Region table for sample 1 : RspLCN 11 Lib (1:2)

From [bp]	To [bp]	Average Size [bp]	Conc. [ng/μl]	Area	Col Size distribution in CV or [%]	% of Total
7,830	13,213	9,648	8.55	211.8	13.6	66

Assay Class: DNA 12000
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-06\2014-02-06_001.xad

Created: 2/6/2014 9:47:20 AM
 Modified: 2/6/2014 10:21:30 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 : Pp1290 Lib (1:2)

Number of peaks found: 1 Area 1: 238.6

Peak table for sample 2 : Pp1290 Lib (1:2)

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	10,065	11.78	1.8	
3	17,000	4.20	0.4	Upper Marker

Region table for sample 2 : Pp1290 Lib (1:2)

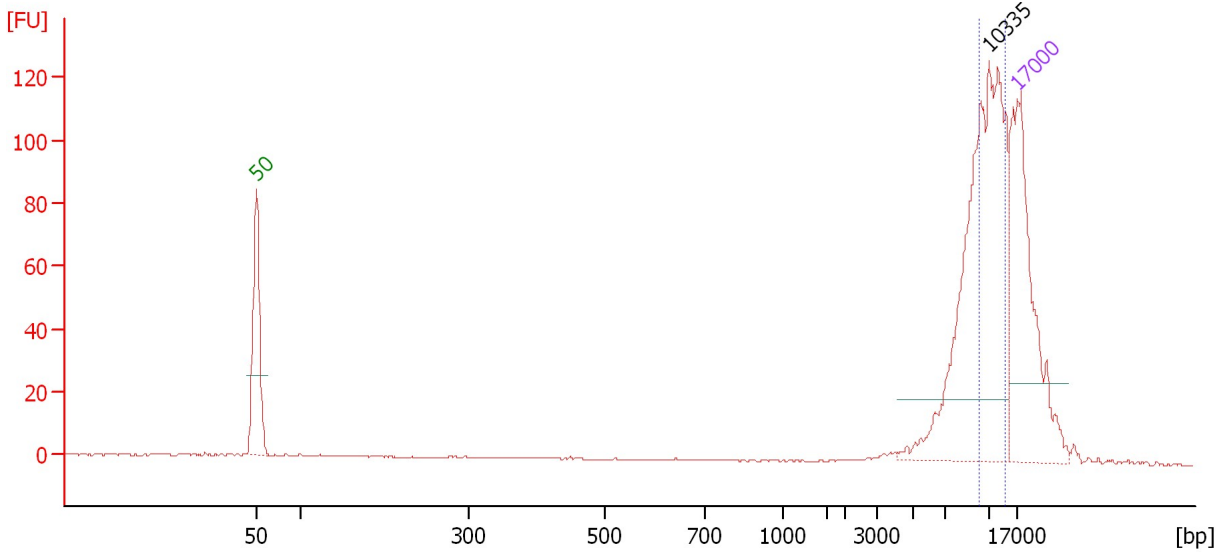
From [bp]	To [bp]	Average Size [bp]	Conc. [ng/μl]	Area	Col Size distribution in CV or [%]	% of Total
8,815	14,469	10,735	7.63	238.6	14.7	60

Assay Class: DNA 12000
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-06\2014-02-06_001.xad

Created: 2/6/2014 9:47:20 AM
 Modified: 2/6/2014 10:21:30 AM

Electropherogram Summary Continued ...

CaCal35 Lib (1:2)



Overall Results for sample 3 : CaCal35 Lib (1:2)

Number of peaks found: 1 Area 1: 221.9

Peak table for sample 3 : CaCal35 Lib (1:2)

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	10,335	8.28	1.2	
3	17,000	4.20	0.4	Upper Marker

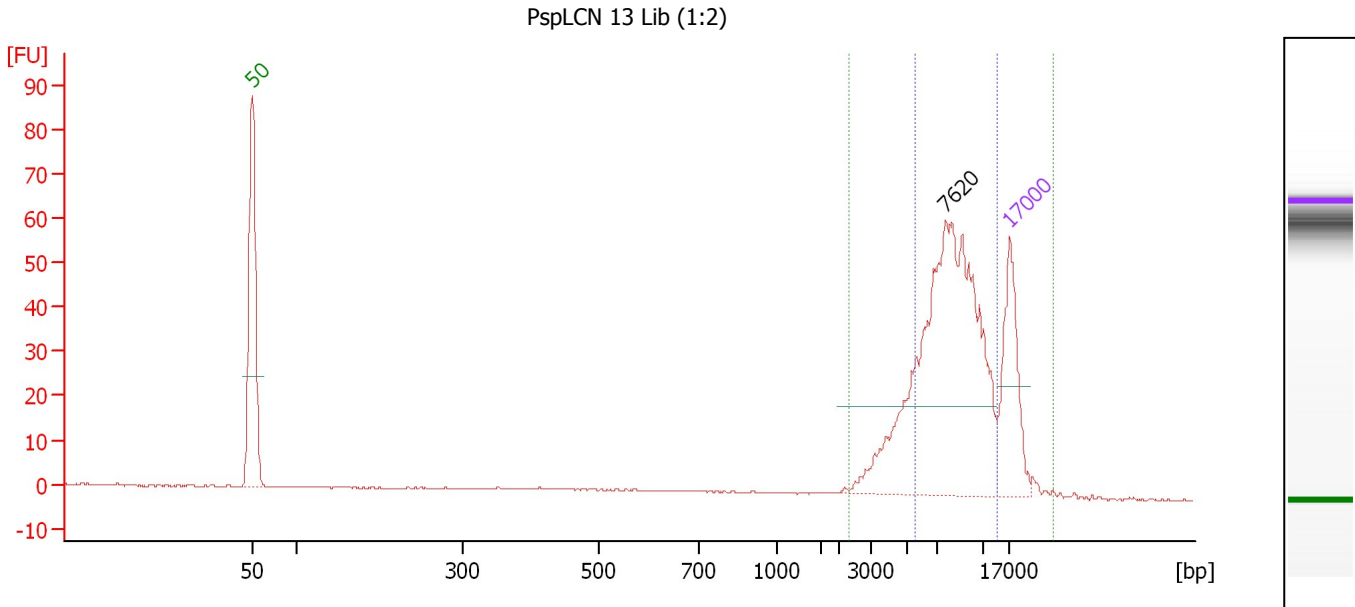
Region table for sample 3 : CaCal35 Lib (1:2)

From [bp]	To [bp]	Average Size [bp]	Conc. [ng/μl]	Area	Col Size distribution in CV or [%]	% of Total
9,572	14,312	11,342	4.46	221.9	12.9	50

Assay Class: DNA 12000
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-06\2014-02-06_001.xad

Created: 2/6/2014 9:47:20 AM
 Modified: 2/6/2014 10:21:30 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : PspLCN 13 Lib (1:2)

Number of peaks found: 1 Area 2: 315.5
 Area 1: 255.0

Peak table for sample 4 : PspLCN 13 Lib (1:2)

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	7,620	20.21	4.0	
3	17,000	4.20	0.4	Upper Marker

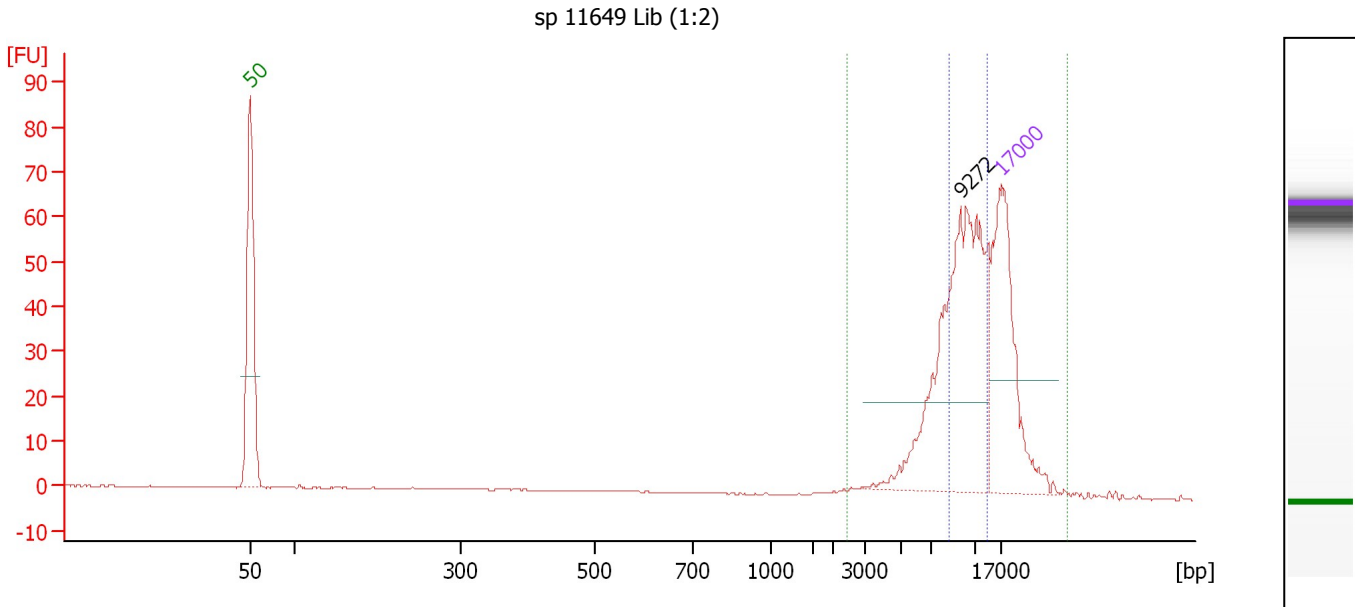
Region table for sample 4 : PspLCN 13 Lib (1:2)

From [bp]	To [bp]	Average Size [bp]	Conc. [ng/μl]	Area	Col Size distribution in CV or [%]	% of Total
2,288	27,744	9,537	20.44	315.5	47.3	94
5,535	13,702	8,345	16.49	255.0	20.9	76

Assay Class: DNA 12000
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-06\2014-02-06_001.xad

Created: 2/6/2014 9:47:20 AM
 Modified: 2/6/2014 10:21:30 AM

Electropherogram Summary Continued ...



Overall Results for sample 5 : sp 11649 Lib (1:2)

Number of peaks found: 1 Area 2: 240.0
 Area 1: 147.2

Peak table for sample 5 : sp 11649 Lib (1:2)

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	9,272	7.65	1.3	
3	17,000	4.20	0.4	Upper Marker

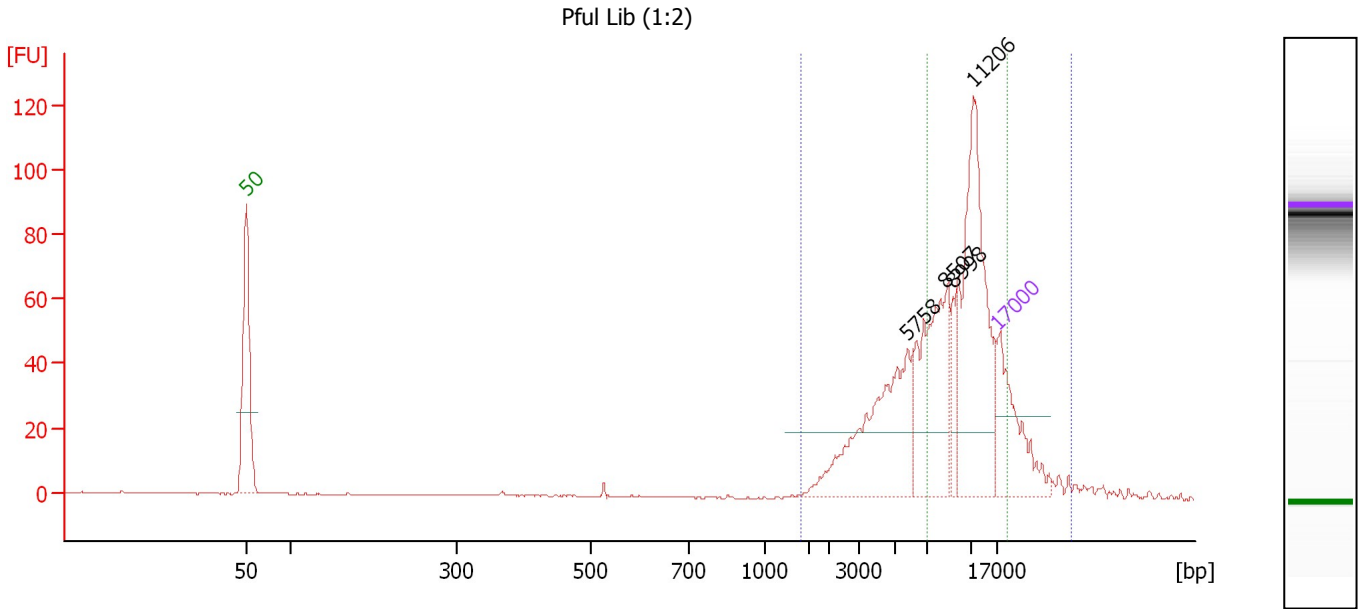
Region table for sample 5 : sp 11649 Lib (1:2)

From [bp]	To [bp]	Average Size [bp]	Conc. [ng/μl]	Area	Col Size distribution in CV or [%]	% of Total
2,460	32,804	12,353	8.08	240.0	41.7	93
8,481	13,245	10,169	4.92	147.2	12.4	57

Assay Class: DNA 12000
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-06\2014-02-06_001.xad

Created: 2/6/2014 9:47:20 AM
 Modified: 2/6/2014 10:21:30 AM

Electropherogram Summary Continued ...



Overall Results for sample 6 : Pful Lib (1:2)

Number of peaks found: 4 Area 2: 338.2
 Area 1: 548.7

Peak table for sample 6 : Pful Lib (1:2)

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	5,758	8.22	2.2	
3	8,507	6.62	1.2	
4	8,998	1.51	0.3	
5	11,206	10.16	1.4	
6	17,000	4.20	0.4	Upper Marker

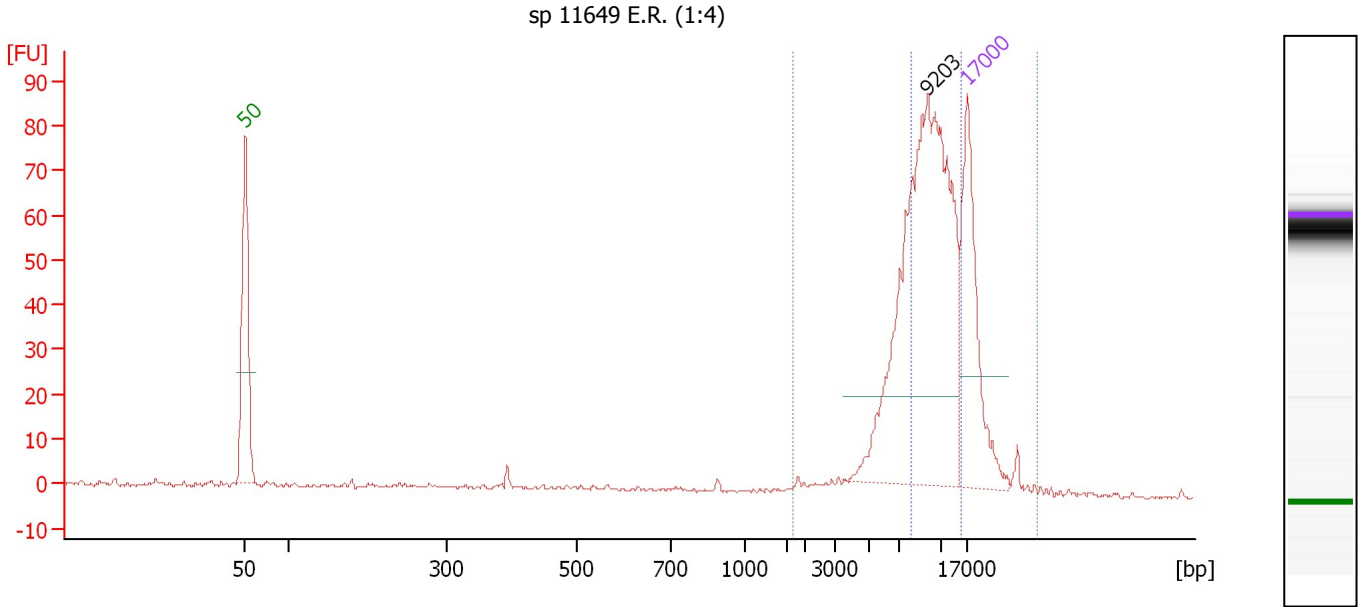
Region table for sample 6 : Pful Lib (1:2)

From [bp]	To [bp]	Average Size [bp]	Conc. [ng/μl]	Area	Col Size distribution in CV or [%]	% of Total
1,414	35,286	10,275	27.19	548.7	58.3	98
7,046	19,491	11,203	16.55	338.2	28.3	60

Assay Class: DNA 12000
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-06\2014-02-06_001.xad

Created: 2/6/2014 9:47:20 AM
 Modified: 2/6/2014 10:21:30 AM

Electropherogram Summary Continued ...



Overall Results for sample 7 : sp 11649 E.R. (1:4)

Number of peaks found: 1 Area 2: 378.4
 Area 1: 250.6

Peak table for sample 7 : sp 11649 E.R. (1:4)

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	9,203	13.54	2.2	
3	17,000	4.20	0.4	Upper Marker

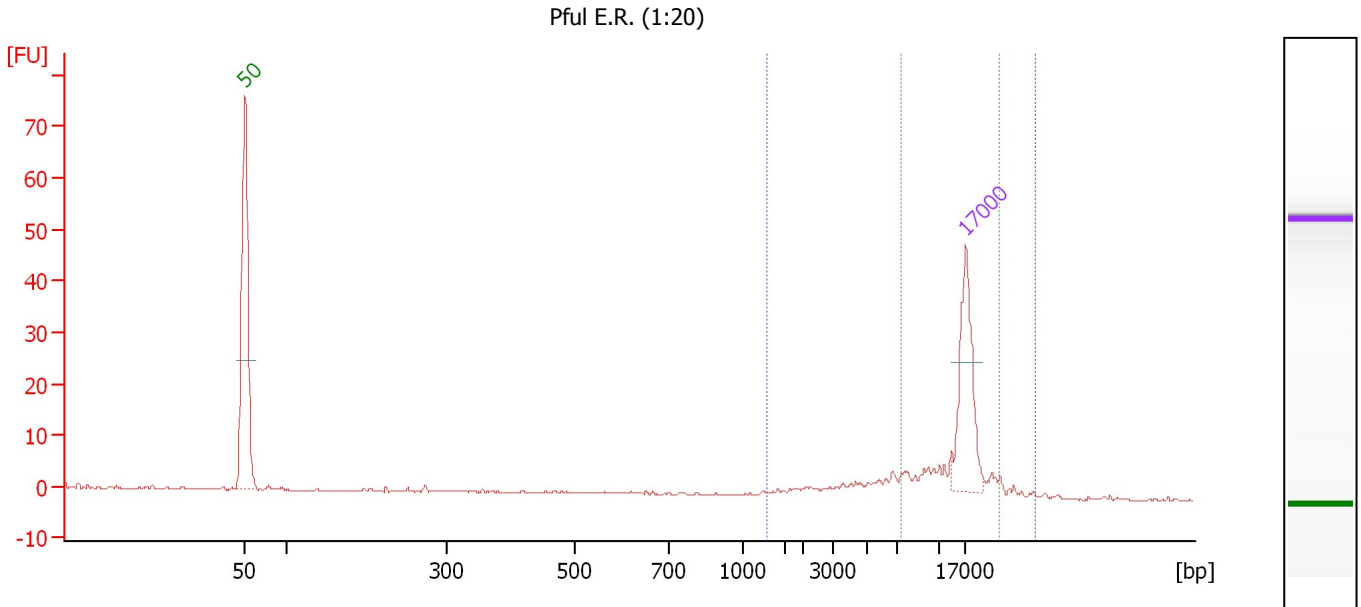
Region table for sample 7 : sp 11649 E.R. (1:4)

From [bp]	To [bp]	Average Size [bp]	Conc. [ng/μl]	Area	Col Size distribution in CV or [%]	% of Total
1,660	34,616	11,448	14.87	378.4	45.1	91
7,996	15,477	10,438	9.77	250.6	19.1	60

Assay Class: DNA 12000
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-06\2014-02-06_001.xad

Created: 2/6/2014 9:47:20 AM
 Modified: 2/6/2014 10:21:30 AM

Electropherogram Summary Continued ...



Overall Results for sample 8 : Pful E.R. (1:20)

Number of peaks found: 0 Area 2: 20.4
 Area 1: 42.4

Peak table for sample 8 : Pful E.R. (1:20)

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

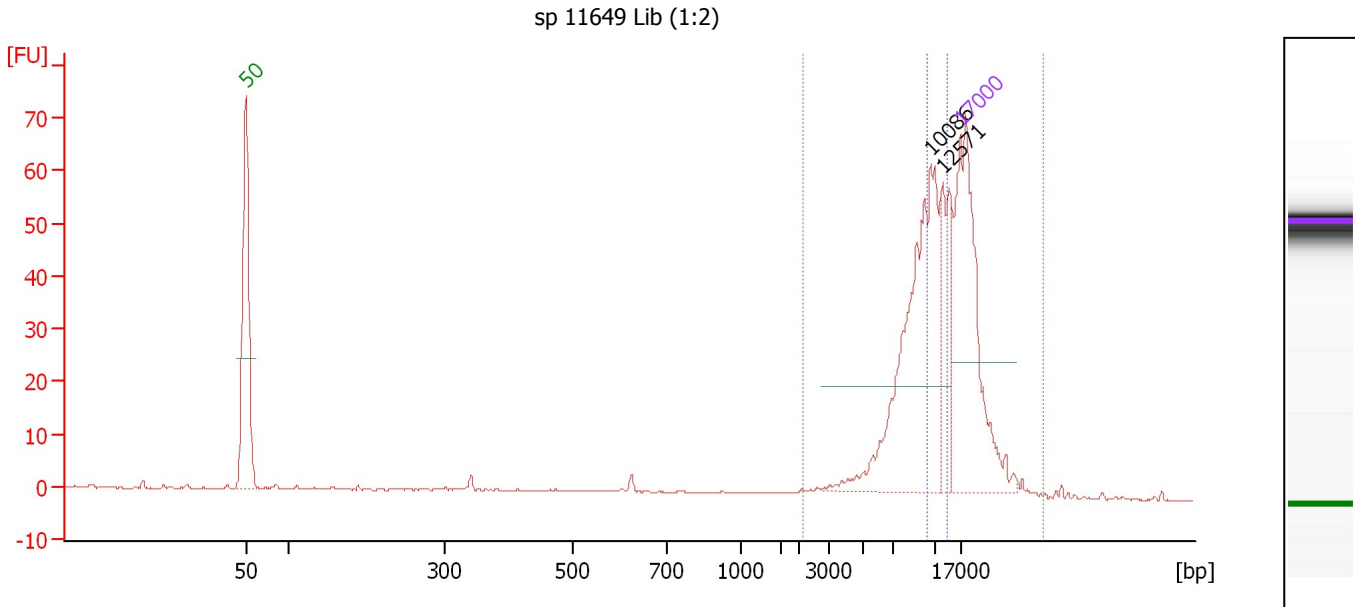
Region table for sample 8 : Pful E.R. (1:20)

From [bp]	To [bp]	Average Size [bp]	Conc. [ng/μl]	Area	Col Size distribution in CV or [%]	% of Total
1,291	34,872	14,123	3.85	42.4	46.5	89
7,343	25,866	15,820	1.82	20.4	25.7	43

Assay Class: DNA 12000
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-06\2014-02-06_001.xad

Created: 2/6/2014 9:47:20 AM
 Modified: 2/6/2014 10:21:30 AM

Electropherogram Summary Continued ...



Overall Results for sample 9 : sp 11649 Lib (1:2)

Number of peaks found: 2 Area 2: 221.2
 Area 1: 78.8

Peak table for sample 9 : sp 11649 Lib (1:2)

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	10,086	5.54	0.8	
3	12,571	1.19	0.1	
4	17,000	4.20	0.4	Upper Marker

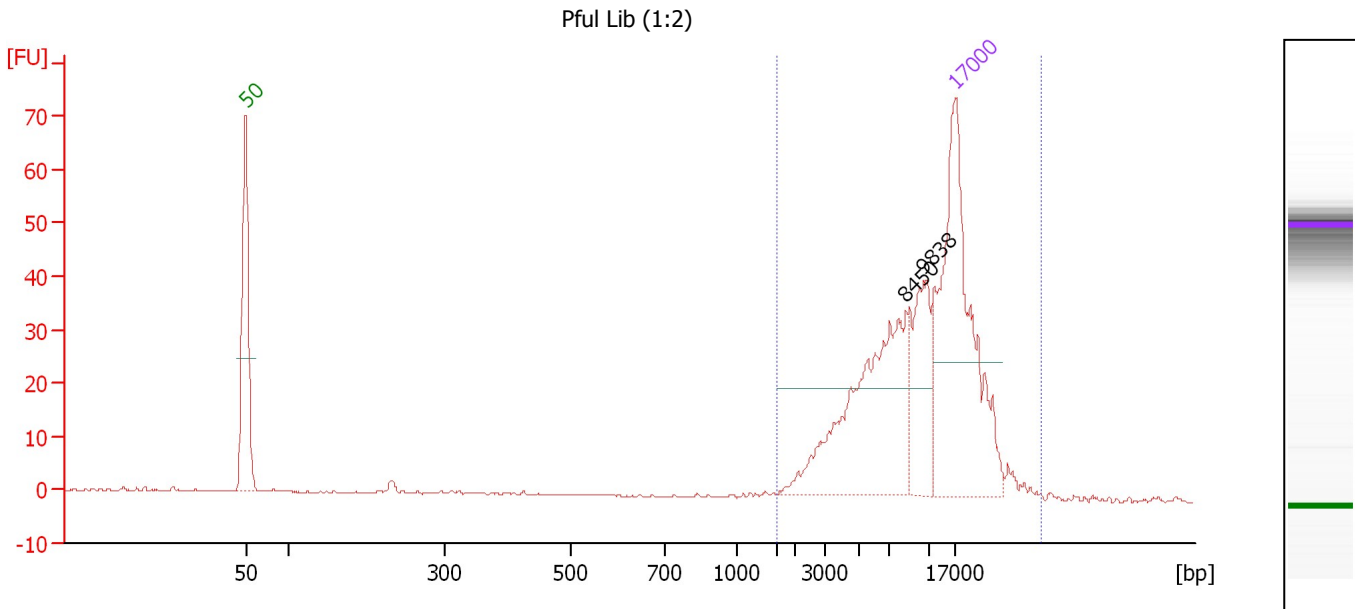
Region table for sample 9 : sp 11649 Lib (1:2)

From [bp]	To [bp]	Average Size [bp]	Conc. [ng/μl]	Area	Col Size distribution in CV or [%]	% of Total
2,155	38,144	13,547	7.35	221.2	43.7	89
9,756	13,337	10,984	2.59	78.8	9.8	32

Assay Class: DNA 12000
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-06\2014-02-06_001.xad

Created: 2/6/2014 9:47:20 AM
 Modified: 2/6/2014 10:21:30 AM

Electropherogram Summary Continued ...



Overall Results for sample 10 : Pful Lib (1:2)

Number of peaks found: 2 Area 1: 226.5

Peak table for sample 10 : Pful Lib (1:2)

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	8,450	3.79	0.7	
3	9,838	1.51	0.2	
4	17,000	4.20	0.4	Upper Marker

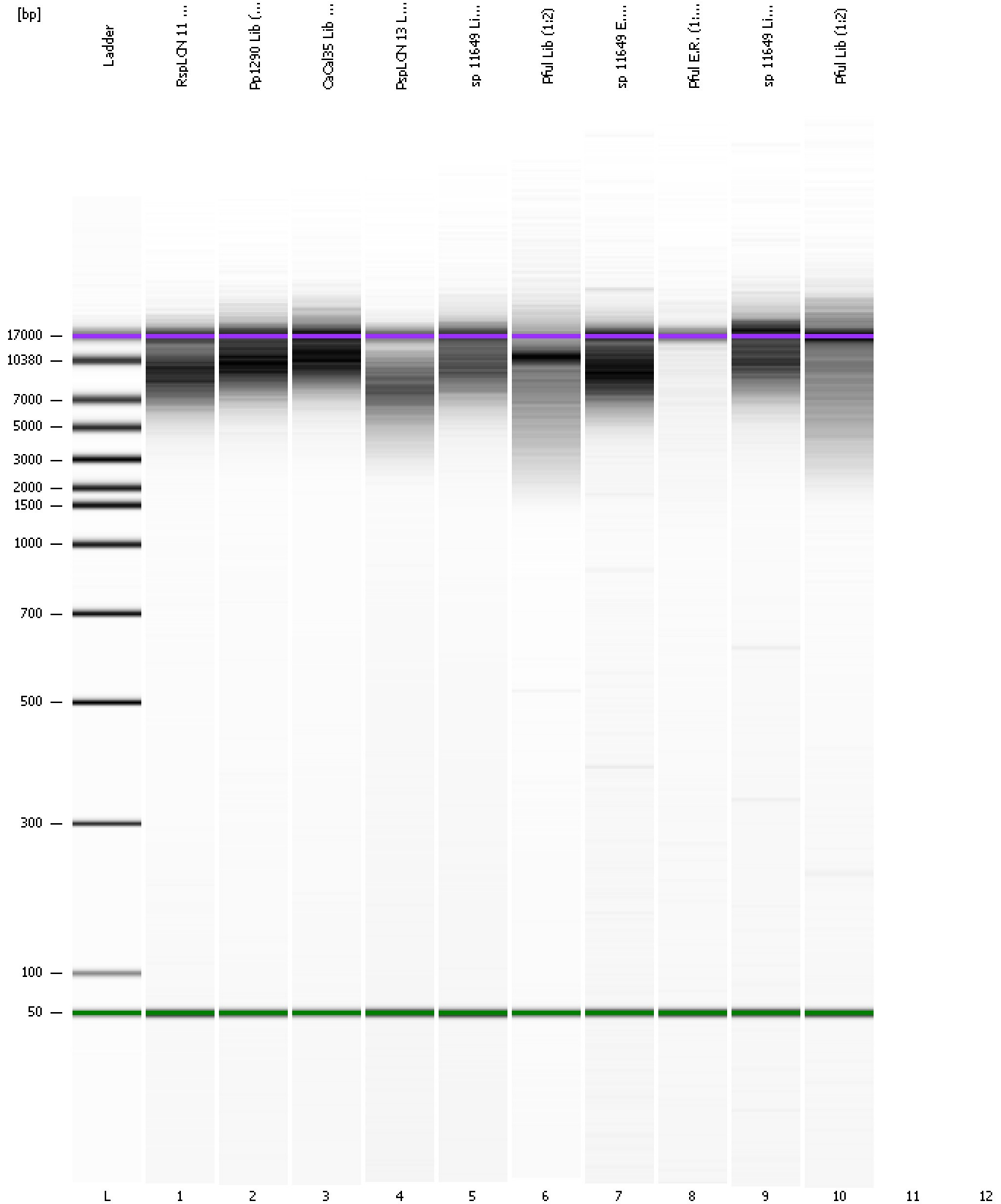
Region table for sample 10 : Pful Lib (1:2)

From [bp]	To [bp]	Average Size [bp]	Conc. [ng/μl]	Area	Col Size distribution in CV or [%]	% of Total
1,495	39,256	12,376	5.76	226.5	58.0	93

Assay Class: DNA 12000
Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-06\2014-02-06_001.xad

Created: 2/6/2014 9:47:20 AM
Modified: 2/6/2014 10:21:30 AM

Gel Image



Assay Class: DNA 12000
Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-06\2014-02-06_001.xad

Created: 2/6/2014 9:47:20 AM
Modified: 2/6/2014 10:21:30 AM

Invalid Samples

Sample 11 has not been run, no results available.

Sample 12 has not been run, no results available.