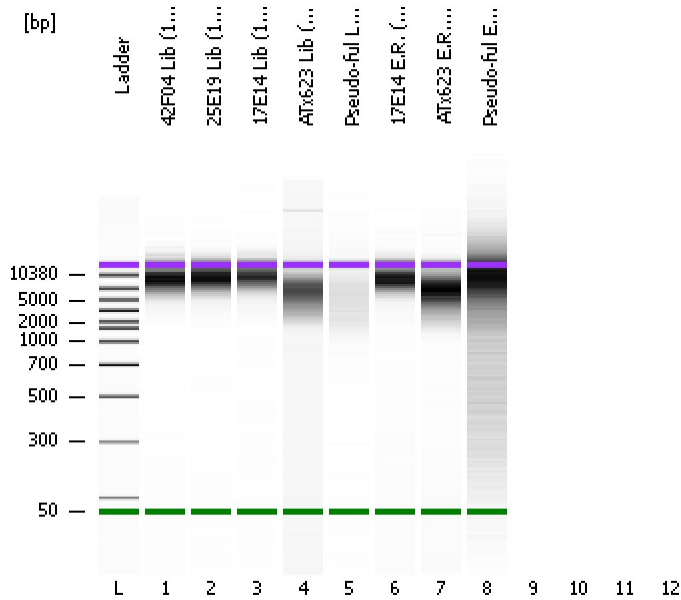


Assay Class: DNA 12000
Data Path: C:\...ents and Settings\Bioanalyzer\2013-08-29\2013-08-29_001.xad

Created: 8/29/2013 9:17:54 AM
Modified: 8/29/2013 9:49:41 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

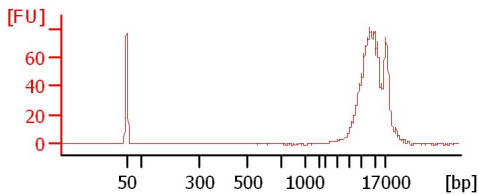
Assay Class: DNA 12000
Version: 2.4
Assay Comments: DNA Analysis 100 -12000 bp

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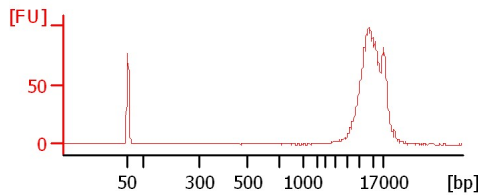
Chip Information:

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

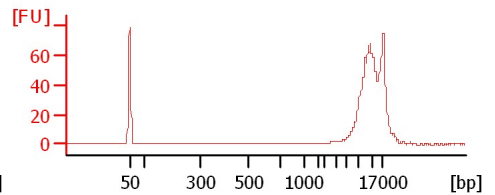
42F04 Lib (1:2)



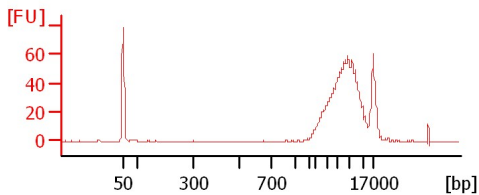
25E19 Lib (1:2)



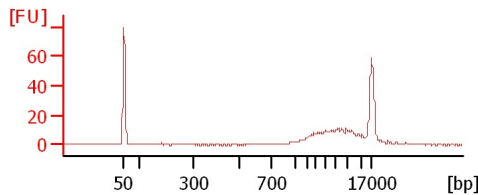
17E14 Lib (1:2)



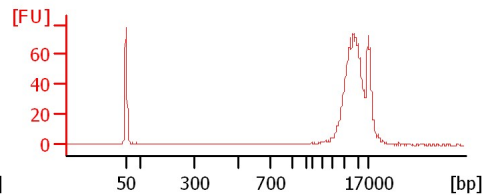
ATx623 Lib (1:2)



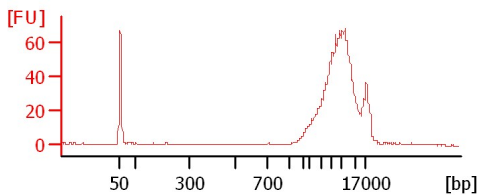
Pseudo-ful Lib (1:5)



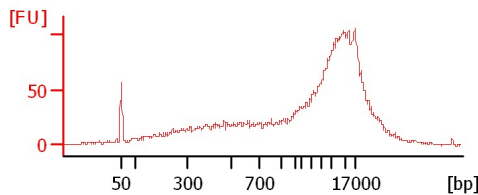
17E14 E.R. (1:2)



ATx623 E.R. (1:2)



Pseudo-ful E.R. (1:2)



Assay Class: DNA 12000
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-08-29\2013-08-29_001.xad

Created: 8/29/2013 9:17:54 AM
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Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
42F04 Lib (1:2)		<input type="checkbox"/>	✓			
25E19 Lib (1:2)		<input type="checkbox"/>	✓			
17E14 Lib (1:2)		<input type="checkbox"/>	✓			
ATx623 Lib (1:2)		<input type="checkbox"/>	✓			
Pseudo-ful Lib (1:5)		<input type="checkbox"/>	✓			
17E14 E.R. (1:2)		<input type="checkbox"/>	✓			
ATx623 E.R. (1:2)		<input type="checkbox"/>	✓			
Pseudo-ful E.R. (1:2)		<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:\...ents and Settings\Bioanalyzer\2013-08-29\2013-08-29_001.xad

Created: 8/29/2013 9:17:54 AM
Modified: 8/29/2013 9:49:41 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

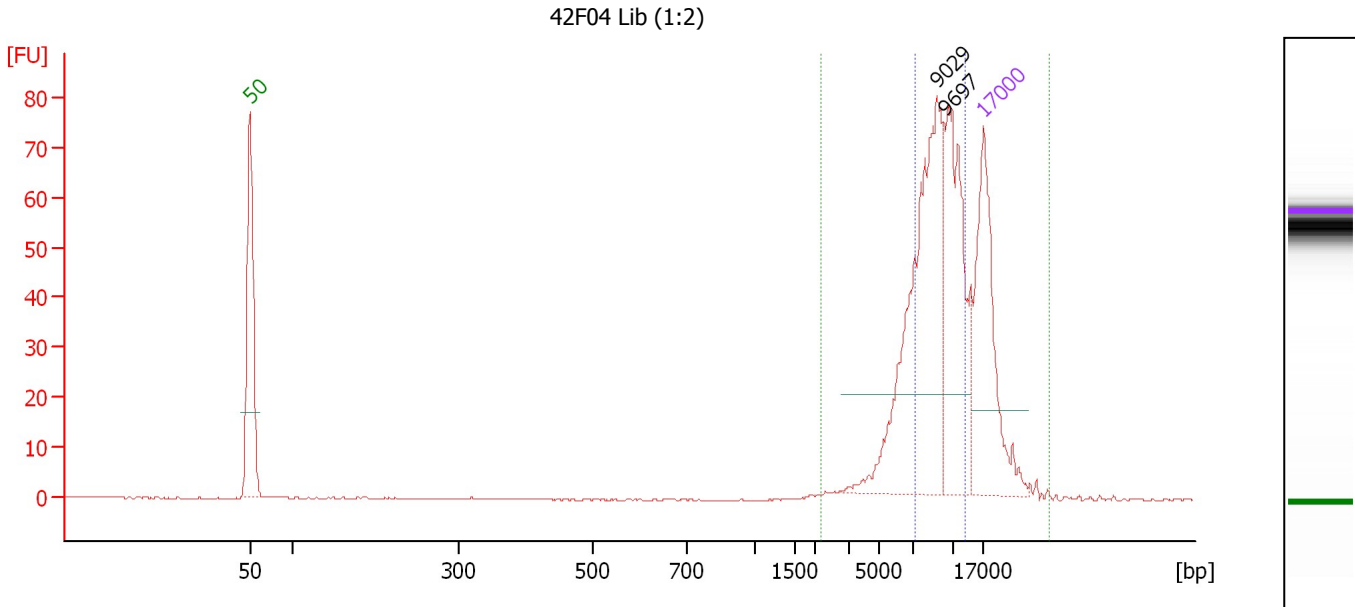
Ladder

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\2013-08-29\2013-08-29_001.xad

Created: 8/29/2013 9:17:54 AM
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Electropherogram Summary



Overall Results for sample 1 : 42F04 Lib (1:2)

Number of peaks found: 2 Area 2: 329.2
 Area 1: 236.3

Peak table for sample 1 : 42F04 Lib (1:2)

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	9,029	7.69	1.3	
3	9,697	4.49	0.7	
4	17,000	4.20	0.4	Upper Marker

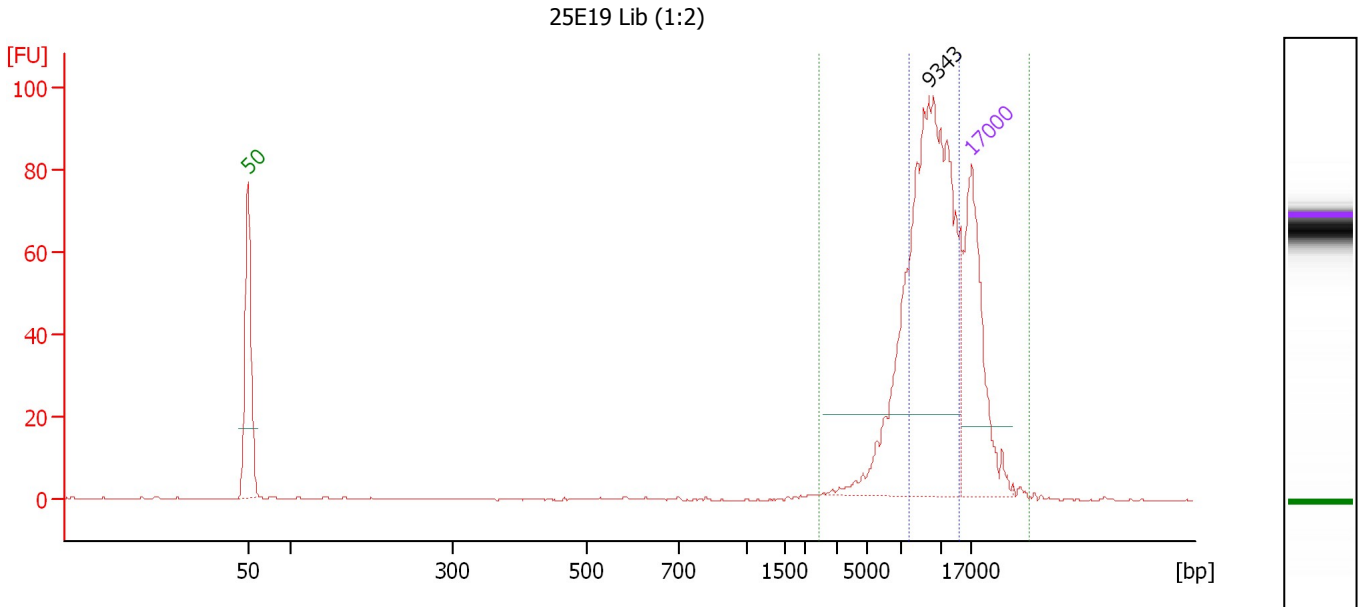
Region table for sample 1 : 42F04 Lib (1:2)

From [bp]	To [bp]	Average Size [bp]	Conc. [ng/μl]	Area	% of Total	Size distribution in CV [%]	Color
2,159	30,939	11,244	13.01	329.2	99	41.4	Green
7,234	12,866	9,452	9.31	236.3	71	14.9	Blue

Assay Class: DNA 12000
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-08-29\2013-08-29_001.xad

Created: 8/29/2013 9:17:54 AM
 Modified: 8/29/2013 9:49:41 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 : 25E19 Lib (1:2)

Number of peaks found: 1 Area 2: 390.5
 Area 1: 283.6

Peak table for sample 2 : 25E19 Lib (1:2)

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	9,343	13.67	2.2	
3	17,000	4.20	0.4	Upper Marker

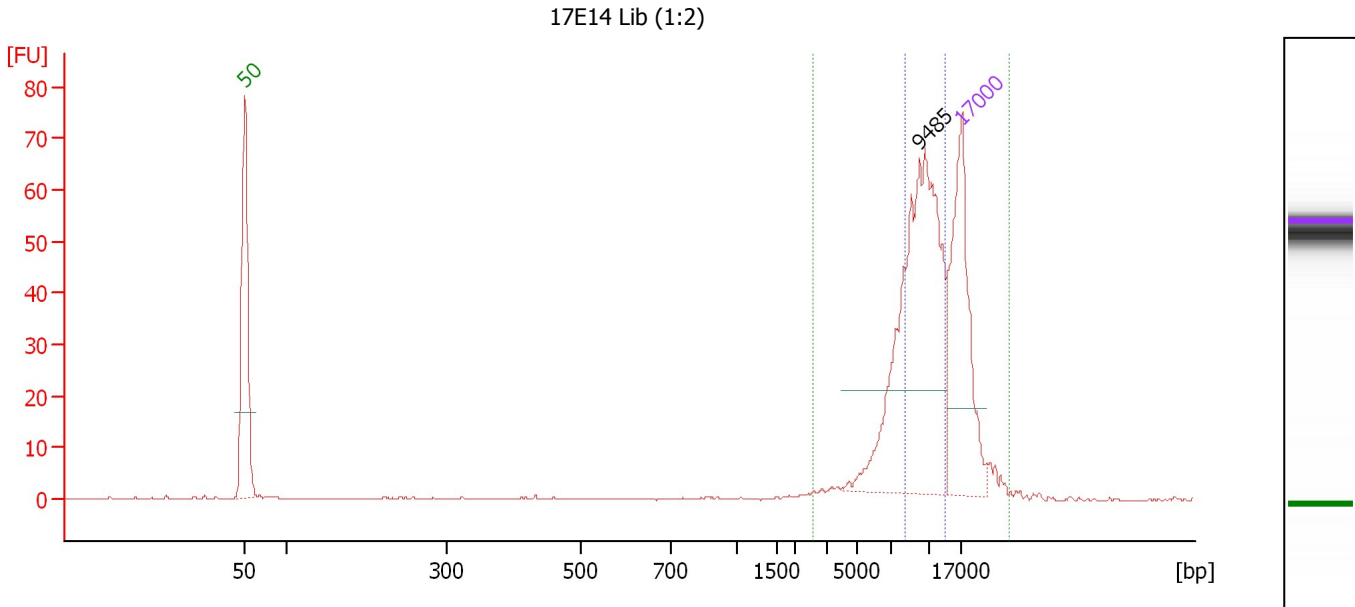
Region table for sample 2 : 25E19 Lib (1:2)

From [bp]	To [bp]	Average Size [bp]	Conc. [ng/μl]	Area	% of Total	Size distribution in CV [%]	Color
2,439	29,122	11,558	14.03	390.5	98	38.9	Green
7,675	14,108	10,063	10.15	283.6	71	16.5	Blue

Assay Class: DNA 12000
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-08-29\2013-08-29_001.xad

Created: 8/29/2013 9:17:54 AM
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Electropherogram Summary Continued ...



Overall Results for sample 3 : 17E14 Lib (1:2)

Number of peaks found: 1 Area 2: 239.5
 Area 1: 155.2

Peak table for sample 3 : 17E14 Lib (1:2)

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	9,485	9.34	1.5	
3	17,000	4.20	0.4	Upper Marker

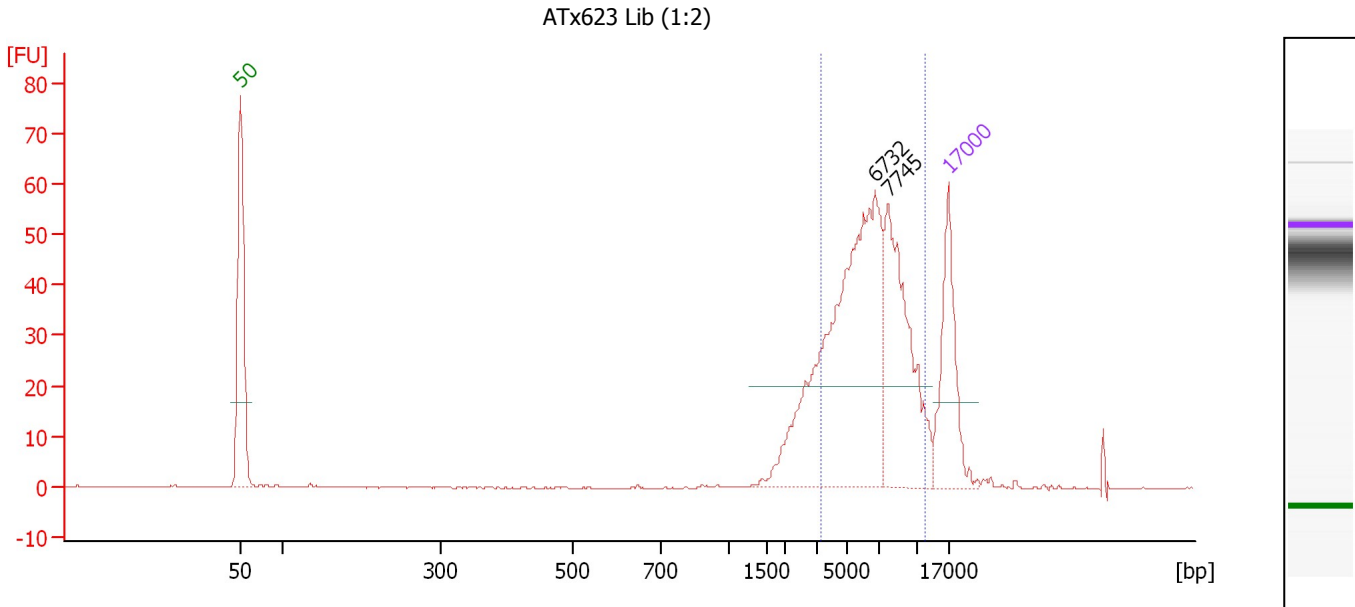
Region table for sample 3 : 17E14 Lib (1:2)

From [bp]	To [bp]	Average Size [bp]	Conc. [ng/μl]	Area	% of Total	Size distribution in CV [%]	Color
2,568	27,595	12,092	10.07	239.5	97	37.8	Green
8,253	13,467	10,160	6.49	155.2	63	13.4	Blue

Assay Class: DNA 12000
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-08-29\2013-08-29_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 4 : ATx623 Lib (1:2)

Number of peaks found: 2 Area 1: 302.8

Peak table for sample 4 : ATx623 Lib (1:2)

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	6,732	17.07	3.8	
3	7,745	7.81	1.5	
4	17,000	4.20	0.4	Upper Marker

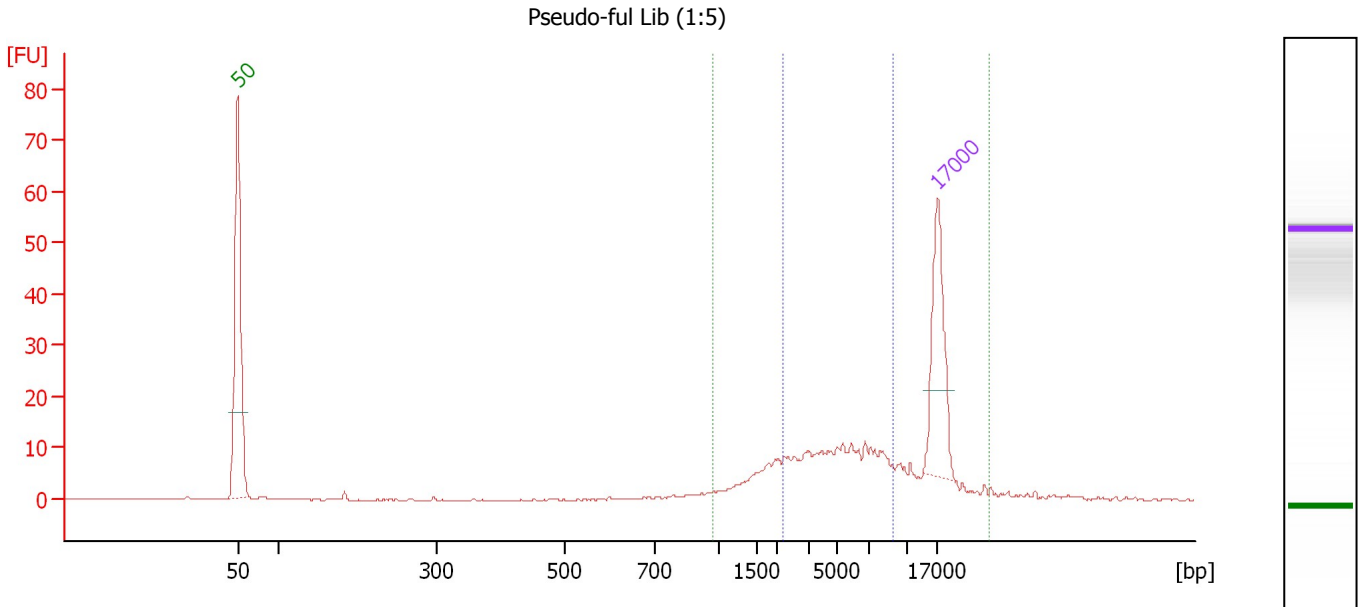
Region table for sample 4 : ATx623 Lib (1:2)

From [bp]	To [bp]	Average Size [bp]	Conc. [ng/μl]	Area	% of Total	Size distribution in CV [%]	Color
3,186	12,079	6,673	21.07	302.8	83	29.3	Blue

Assay Class: DNA 12000
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-08-29\2013-08-29_001.xad

Created: 8/29/2013 9:17:54 AM
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Electropherogram Summary Continued ...



Overall Results for sample 5 : Pseudo-ful Lib (1:5)

Number of peaks found: 0 Area 2: 105.8
 Area 1: 68.6

Peak table for sample 5 : Pseudo-ful Lib (1:5)

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 : Pseudo-ful Lib (1:5)

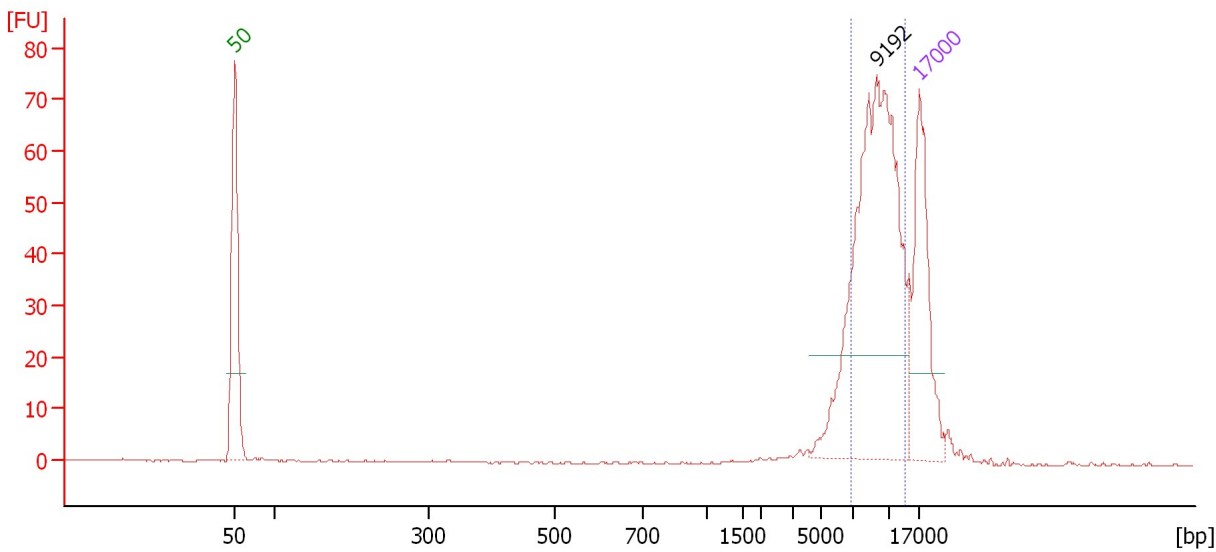
From [bp]	To [bp]	Average Size [bp]	Conc. [ng/μl]	Area	% of Total	Size distribution in CV [%]	Color
965	28,400	10,072	9.20	105.8	92	66.8	Green
2,228	9,085	5,148	5.92	68.6	60	37.9	Blue

Assay Class: DNA 12000
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-08-29\2013-08-29_001.xad

Created: 8/29/2013 9:17:54 AM
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Electropherogram Summary Continued ...

17E14 E.R. (1:2)



Overall Results for sample 6 : 17E14 E.R. (1:2)

Number of peaks found: 1 Area: 230.1

Peak table for sample 6 : 17E14 E.R. (1:2)

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	9,192	13.81	2.3	
3	17,000	4.20	0.4	Upper Marker

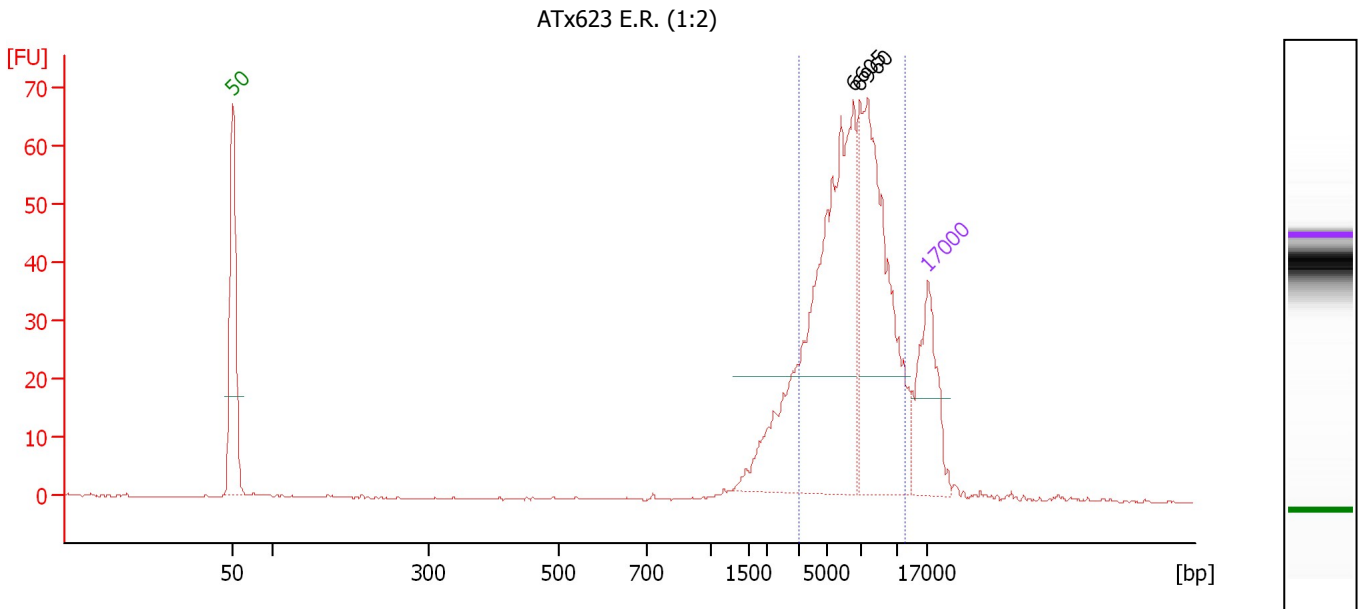
Region table for sample 6 : 17E14 E.R. (1:2)

From [bp]	To [bp]	Average Size [bp]	Conc. [ng/μl]	Area	% of Total	Size distribution in CV [%]	Color
6,869	13,950	9,513	11.72	230.1	78	18.0	Blue

Assay Class: DNA 12000
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-08-29\2013-08-29_001.xad

Created: 8/29/2013 9:17:54 AM
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Electropherogram Summary Continued ...



Overall Results for sample 7 : ATx623 E.R. (1:2)

Number of peaks found: 2 Area 1: 355.3

Peak table for sample 7 : ATx623 E.R. (1:2)

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	6,605	18.89	4.3	
3	6,960	12.70	2.8	
4	17,000	4.20	0.4	Upper Marker

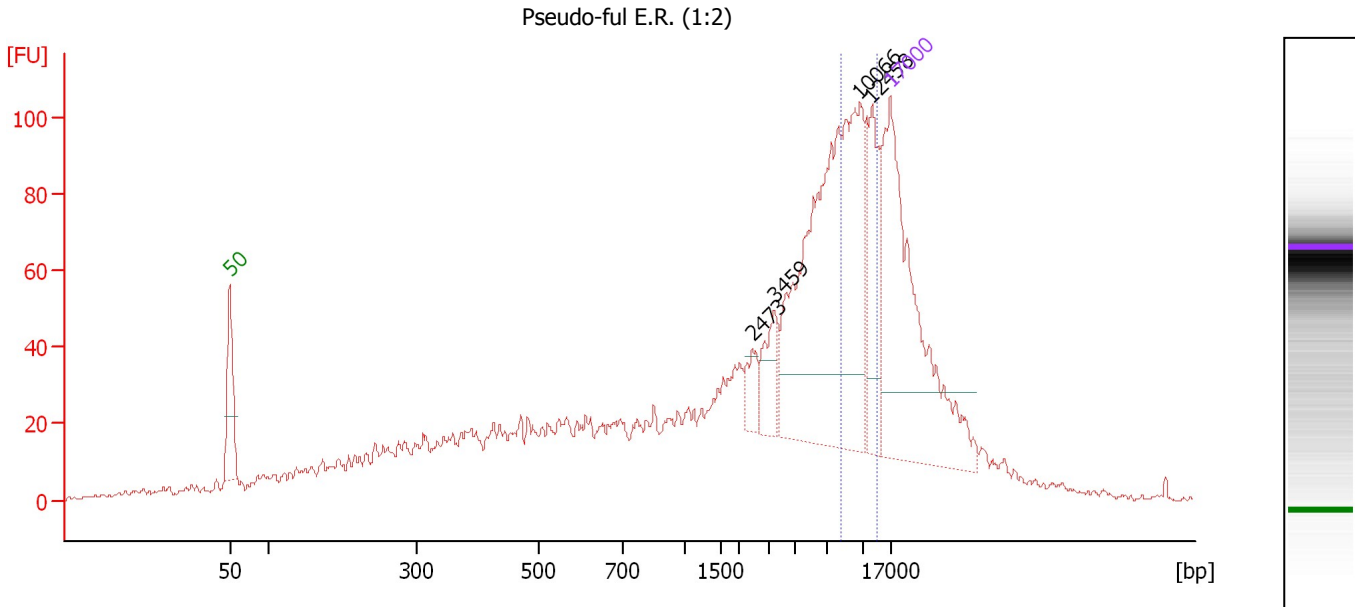
Region table for sample 7 : ATx623 E.R. (1:2)

From [bp]	To [bp]	Average Size [bp]	Conc. [ng/μl]	Area	% of Total	Size distribution in CV [%]	Color
3,053	12,078	6,740	28.07	355.3	83	29.2	Blue

Assay Class: DNA 12000
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-08-29\2013-08-29_001.xad

Created: 8/29/2013 9:17:54 AM
 Modified: 8/29/2013 9:49:41 AM

Electropherogram Summary Continued ...



Overall Results for sample 8 : Pseudo-ful E.R. (1:2)

Number of peaks found: 4 Area 1: 257.7

Peak table for sample 8 : Pseudo-ful E.R. (1:2)

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	2,473	0.33	0.2	
3	3,459	0.55	0.2	
4	10,066	6.69	1.0	
5	12,458	1.42	0.2	
6	17,000	4.20	0.4	Upper Marker

Region table for sample 8 : Pseudo-ful E.R. (1:2)

From [bp]	To [bp]	Average Size [bp]	Conc. [ng/μl]	Area	% of Total	Size distribution in CV [%]	Color
8,399	14,083	10,517	4.35	257.7	20	15.5	Blue

Assay Class: DNA 12000
Data Path: C:\...ents and Settings\Bioanalyzer\2013-08-29\2013-08-29_001.xad

Created: 8/29/2013 9:17:54 AM
Modified: 8/29/2013 9:49:41 AM

Invalid Samples

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.