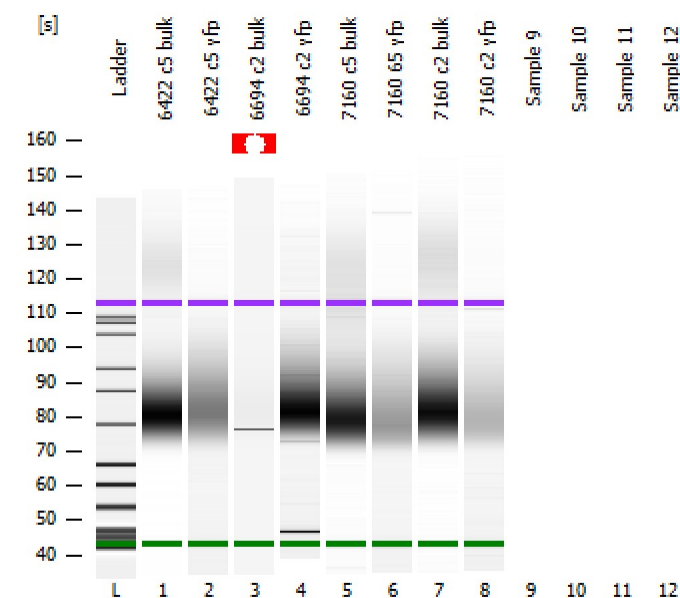


Assay Class: DNA 1000
Data Path: C:\...-08\2100 expert_DNA 1000_DE54700243_2016-09-08_12-40-06.xad

Created: 9/8/2016 12:40:06 PM
Modified: 9/8/2016 1:20:40 PM

Electrophoresis File Run Summary



Instrument Information:

Instrument Name: Chodosh
Serial#: DE54700243
Firmware: C.01.069
Type: G2939A

Assay Information:

Assay Origin Path: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\assays\dsDNA\DNA 1000 Series II.xsy

Assay Class: DNA 1000

Version: 2.3

Assay Comments: DNA Analysis 25 -1000 bp

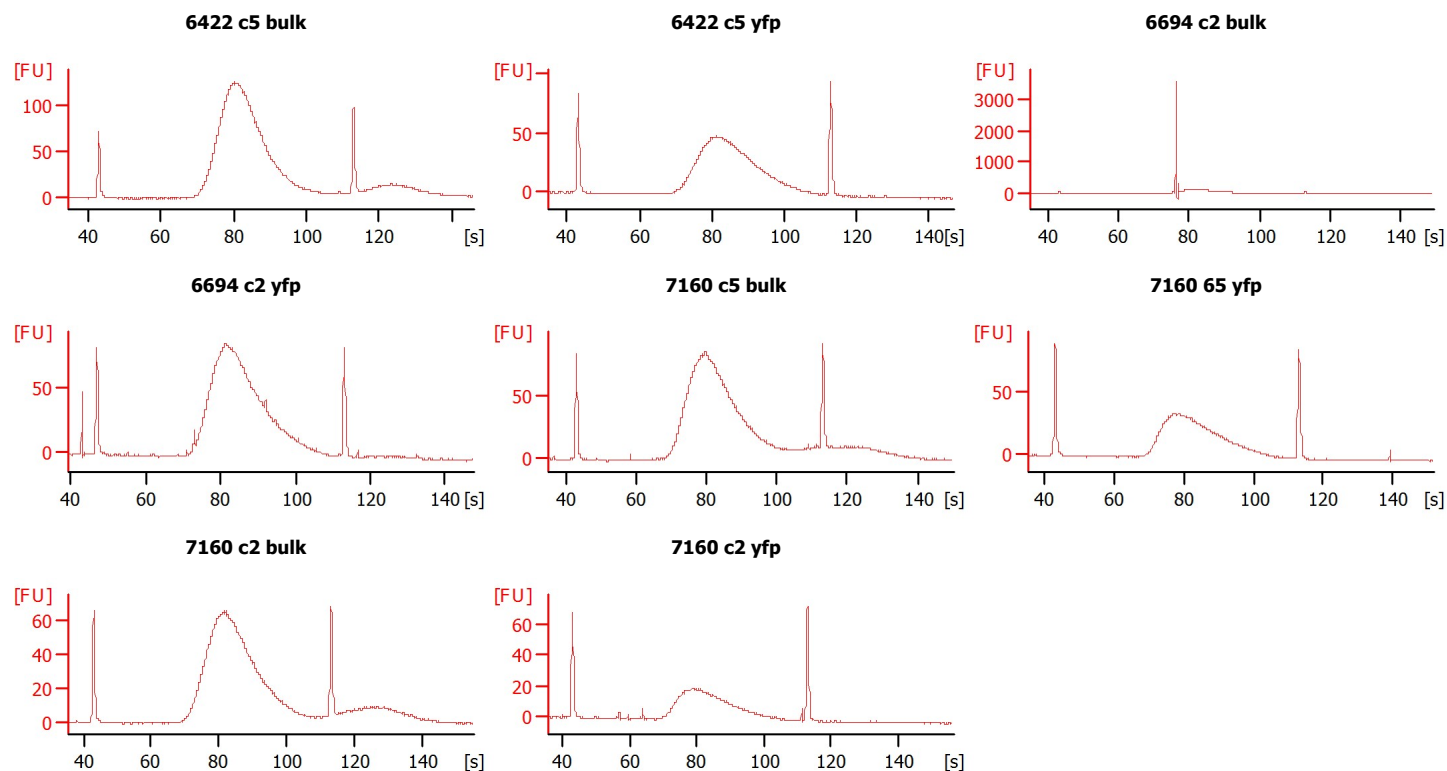
© Copyright 2003-2009 Agilent Technologies, Inc.

Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: DNA 1000
Data Path: C:\...-08\2100 expert_DNA 1000_DE54700243_2016-09-08_12-40-06.xad

Created: 9/8/2016 12:40:06 PM
Modified: 9/8/2016 1:20:40 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
6422 c5 bulk		<input type="checkbox"/>	✓			
6422 c5 yfp		<input type="checkbox"/>	✓			
6694 c2 bulk		<input type="checkbox"/>	⚠			
6694 c2 yfp		<input type="checkbox"/>	✓			
7160 c5 bulk		<input type="checkbox"/>	✓			
7160 65 yfp		<input type="checkbox"/>	✓			
7160 c2 bulk		<input type="checkbox"/>	✓			
7160 c2 yfp		<input type="checkbox"/>	✓			
Sample 9		<input type="checkbox"/>				
Sample 10		<input type="checkbox"/>				
Sample 11		<input type="checkbox"/>				
Sample 12		<input type="checkbox"/>				
Ladder		<input type="checkbox"/>	✓			

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

Assay Class: DNA 1000
Data Path: C:\...-08\2100 expert_DNA 1000_DE54700243_2016-09-08_12-40-06.xad

Created: 9/8/2016 12:40:06 PM
Modified: 9/8/2016 1:20:40 PM

Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 13
Minimum Visible Range [s] : 30
Maximum Visible Range [s] : 129
Start Analysis Time Range [s] : 30
End Analysis Time Range [s] : 128.95
Ladder Concentration [ng/ μ l] : 44
Uses Standard Area for Ladder Fragments
Lower Marker Concentration [ng/ μ l] : 4.2
Upper Marker Concentration [ng/ μ l] : 2.1
Used Upper Marker for Quantitation
Standard Curve Fit is Point to Point
Show Data Aligned to Lower and Upper Marker

Integrator Settings

Integration Start Time [s] : 30
Integration End Time [s] : 128.95
Slope Threshold : 0.5
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

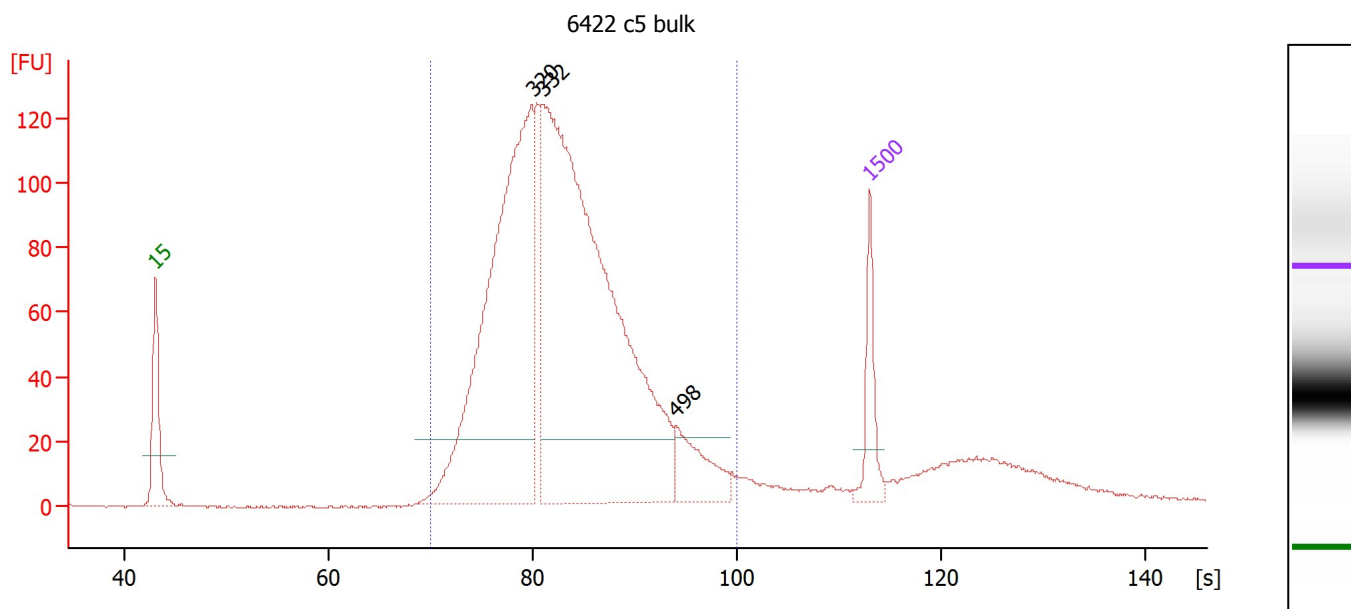
Ladder

Ladder Peak	Size	Area
1	15	25
2	25	26
3	50	34
4	100	41
5	150	45
6	200	52
7	300	63
8	400	76
9	500	83
10	700	88
11	850	86
12	1000	90
13	1500	52

Assay Class: DNA 1000
 Data Path: C:\...-08\2100 expert_DNA 1000_DE54700243_2016-09-08_12-40-06.xad

Created: 9/8/2016 12:40:06 PM
 Modified: 9/8/2016 1:20:40 PM

Electropherogram Summary



Overall Results for sample 1 : 6422 c5 bulk

Number of peaks found: 3 Area 1: 1,518.0

Peak table for sample 1 : 6422 c5 bulk

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	320	22.71	107.4	
3	332	34.16	155.9	
4	498	2.51	7.6	
5	1,500	2.10	2.1	Upper Marker

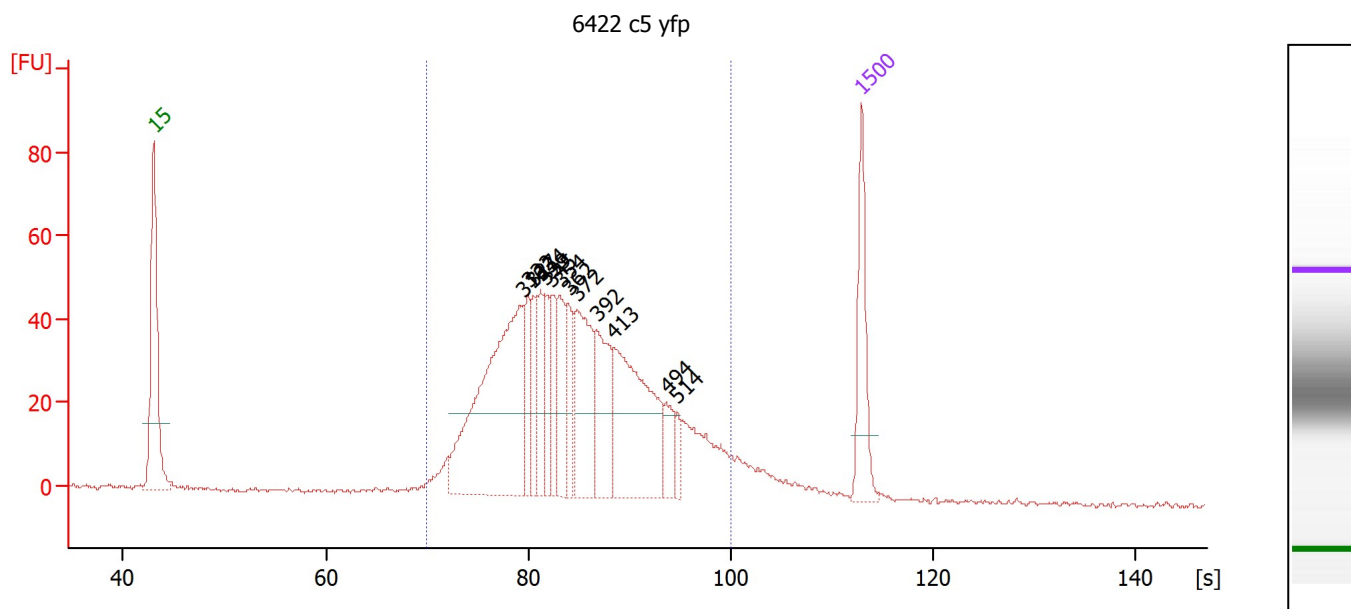
Region table for sample 1 : 6422 c5 bulk

From [s]	To [s]	Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [ng/μl]	Col or
70.00	100.00	1,518.0	87	357	19.6	60.72	Blue

Assay Class: DNA 1000
 Data Path: C:\...-08\2100 expert_DNA 1000_DE54700243_2016-09-08_12-40-06.xad

Created: 9/8/2016 12:40:06 PM
 Modified: 9/8/2016 1:20:40 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : 6422 c5 yfp

Number of peaks found: 13 Area 1: 750.6

Peak table for sample 2 : 6422 c5 yfp

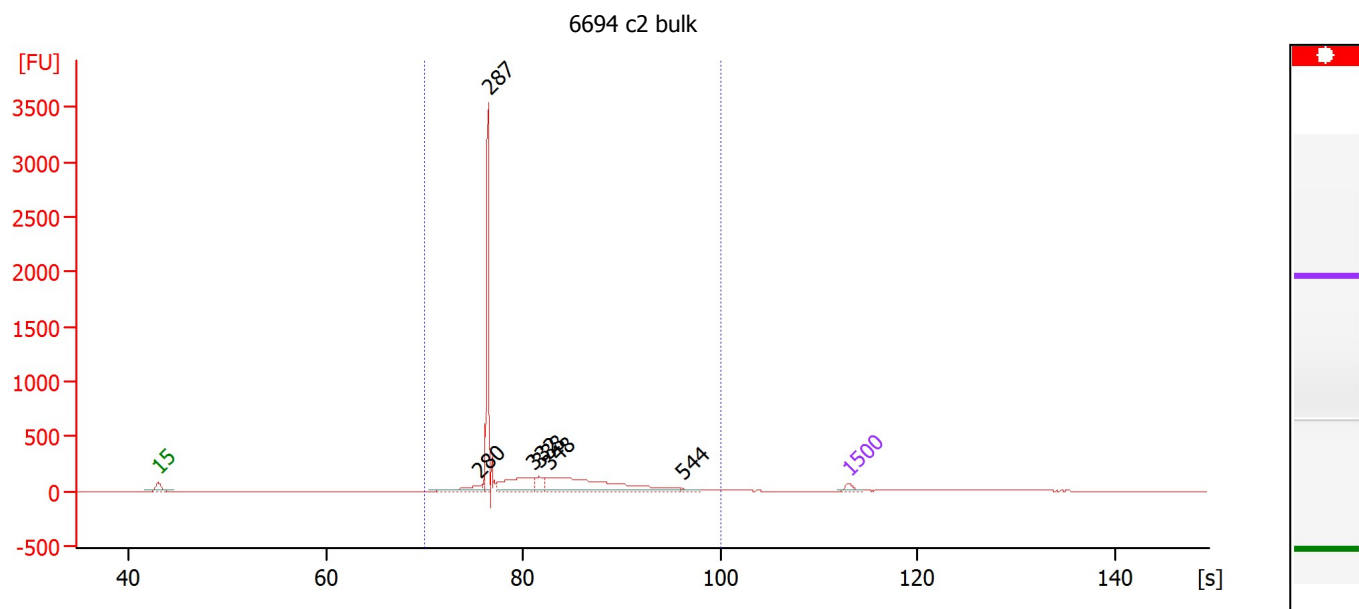
Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	316	8.04	38.5	
3	322	1.29	6.1	
4	327	1.00	4.6	
5	334	1.20	5.4	
6	339	0.99	4.4	
7	345	1.07	4.7	
8	354	1.51	6.5	
9	362	1.16	4.9	
10	372	2.96	12.1	
11	392	2.25	8.7	
12	413	4.70	17.2	
13	494	0.75	2.3	
14	514	0.37	1.1	
15	1,500	2.10	2.1	Upper Marker

Region table for sample 2 : 6422 c5 yfp

From [s]	To [s]	Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [ng/μl]	Col or
70.00	100.00	750.6	93	379	22.2	29.62	Blue

Assay Class: DNA 1000
 Data Path: C:\...-08\2100 expert_DNA 1000_DE54700243_2016-09-08_12-40-06.xad

Created: 9/8/2016 12:40:06 PM
 Modified: 9/8/2016 1:20:40 PM

Electropherogram Summary Continued ...**Overall Results for sample 3 : 6694 c2 bulk**

Number of peaks found: 6 Area 1: 2,437.2

Peak table for sample 3 : 6694 c2 bulk

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	280	6.42	34.7	
3	287	45.74	241.4	
4	332	19.09	87.1	
5	338	5.22	23.4	
6	348	43.27	188.5	
7	544	1.30	3.6	Upper Marker
8	1,500	2.10	2.1	

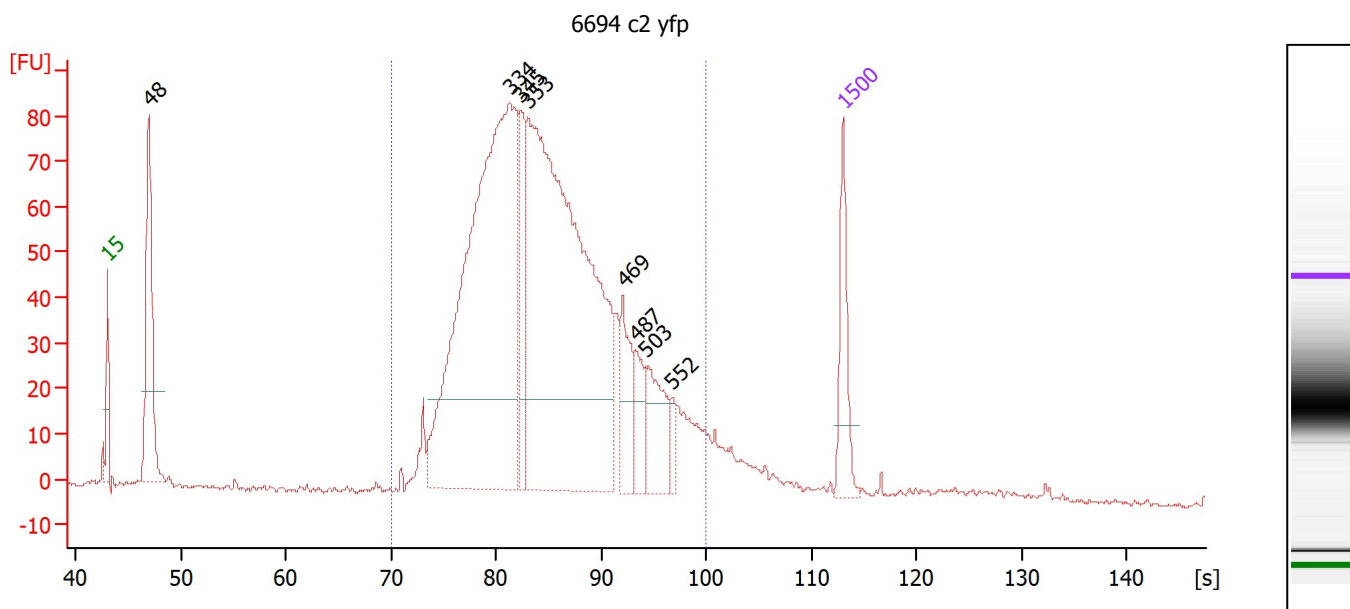
Region table for sample 3 : 6694 c2 bulk

From [s]	To [s]	Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [ng/μl]	Col or
70.00	100.00	2,437.2	93	342	20.6	122.37	Blue

Assay Class: DNA 1000
 Data Path: C:\...-08\2100 expert_DNA 1000_DE54700243_2016-09-08_12-40-06.xad

Created: 9/8/2016 12:40:06 PM
 Modified: 9/8/2016 1:20:40 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : 6694 c2 yfp

Number of peaks found: 8 Area 1: 1,147.1

Peak table for sample 4 : 6694 c2 yfp

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	48	5.09	161.3	
3	334	21.51	97.4	
4	345	2.24	9.8	
5	353	22.73	97.7	
6	469	1.96	6.3	
7	487	1.17	3.6	
8	503	2.06	6.2	
9	552	0.50	1.4	
10	1,500	2.10	2.1	Upper Marker

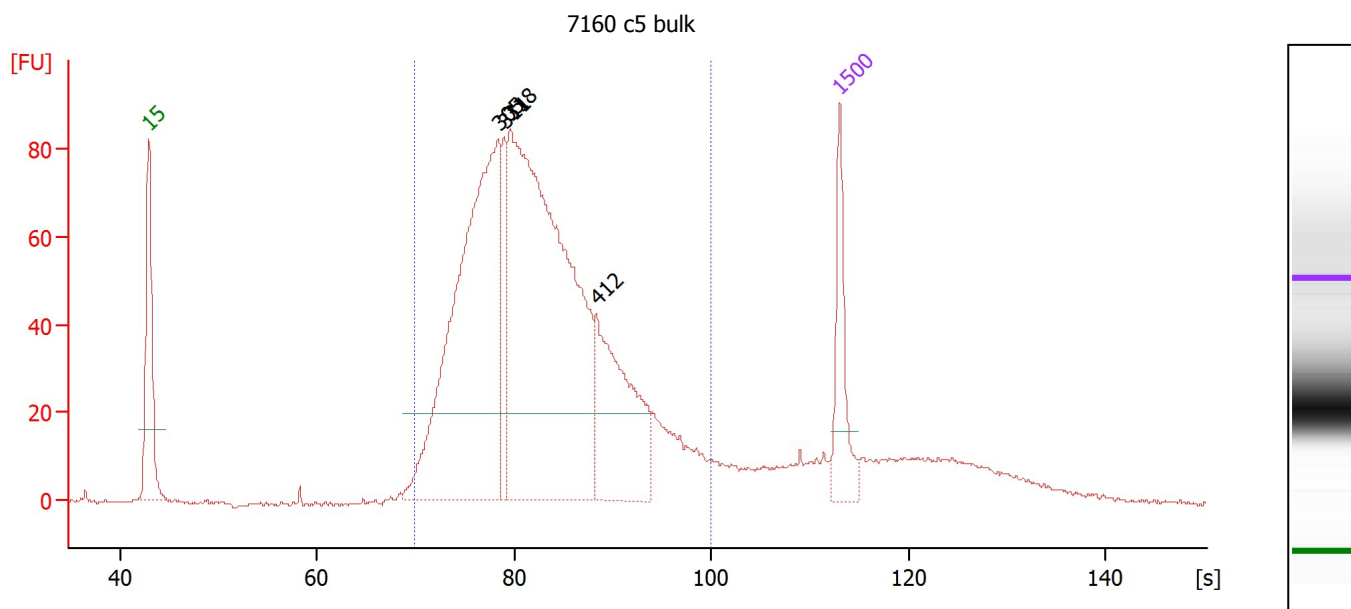
Region table for sample 4 : 6694 c2 yfp

From [s]	To [s]	Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [ng/μl]	Col or
70.00	100.00	1,147.1	92	379	20.4	54.60	Blue

Assay Class: DNA 1000
 Data Path: C:\...-08\2100 expert_DNA 1000_DE54700243_2016-09-08_12-40-06.xad

Created: 9/8/2016 12:40:06 PM
 Modified: 9/8/2016 1:20:40 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : 7160 c5 bulk

Number of peaks found: 4 Area 1: 1,113.9

Peak table for sample 5 : 7160 c5 bulk

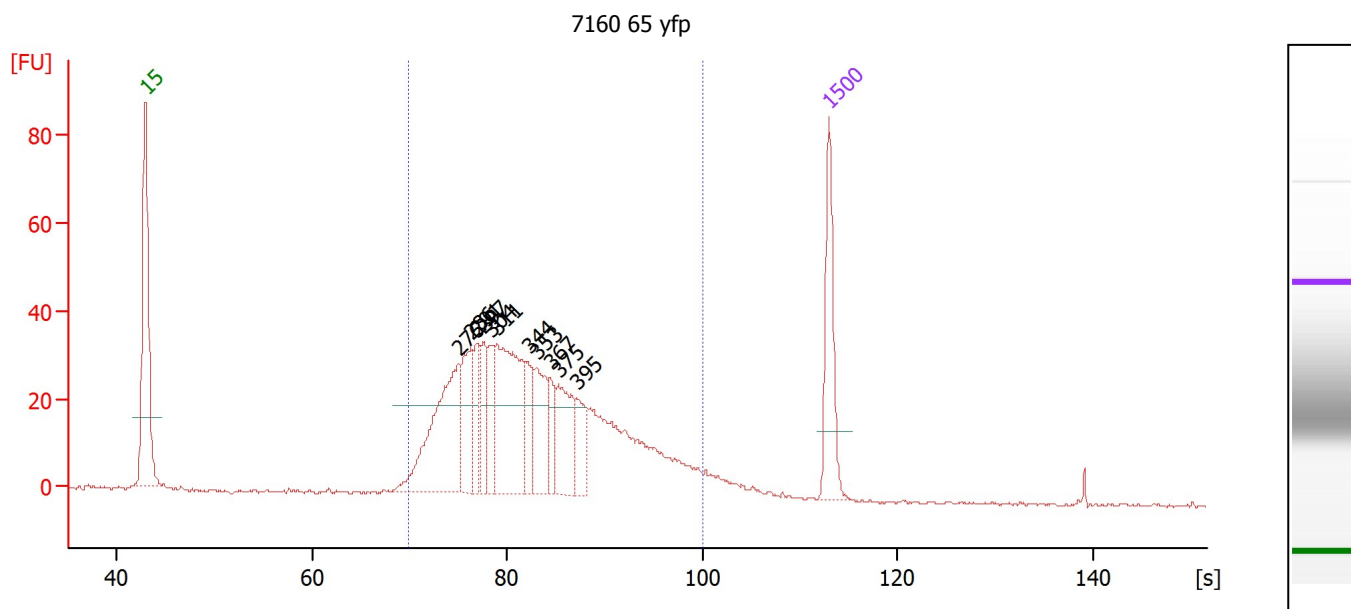
Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	305	14.40	71.6	
3	311	1.63	8.0	
4	318	19.04	90.7	
5	412	4.99	18.4	
6	1,500	2.10	2.1	Upper Marker

Region table for sample 5 : 7160 c5 bulk

From [s]	To [s]	Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [ng/μl]	Col or
70.00	100.00	1,113.9	82	354	22.0	41.84	Blue

Assay Class: DNA 1000
 Data Path: C:\...-08\2100 expert_DNA 1000_DE54700243_2016-09-08_12-40-06.xad

Created: 9/8/2016 12:40:06 PM
 Modified: 9/8/2016 1:20:40 PM

Electropherogram Summary Continued ...**Overall Results for sample 6 : 7160 65 yfp**

Number of peaks found: 11 Area 1: 515.7

Peak table for sample 6 : 7160 65 yfp

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	276	4.02	22.1	
3	286	1.57	8.3	
4	291	0.91	4.7	
5	297	0.99	5.1	
6	304	0.89	4.4	
7	311	4.02	19.6	
8	344	0.92	4.1	
9	353	1.51	6.5	
10	367	0.66	2.7	
11	375	1.73	7.0	
12	395	0.90	3.4	
13	1,500	2.10	2.1	Upper Marker

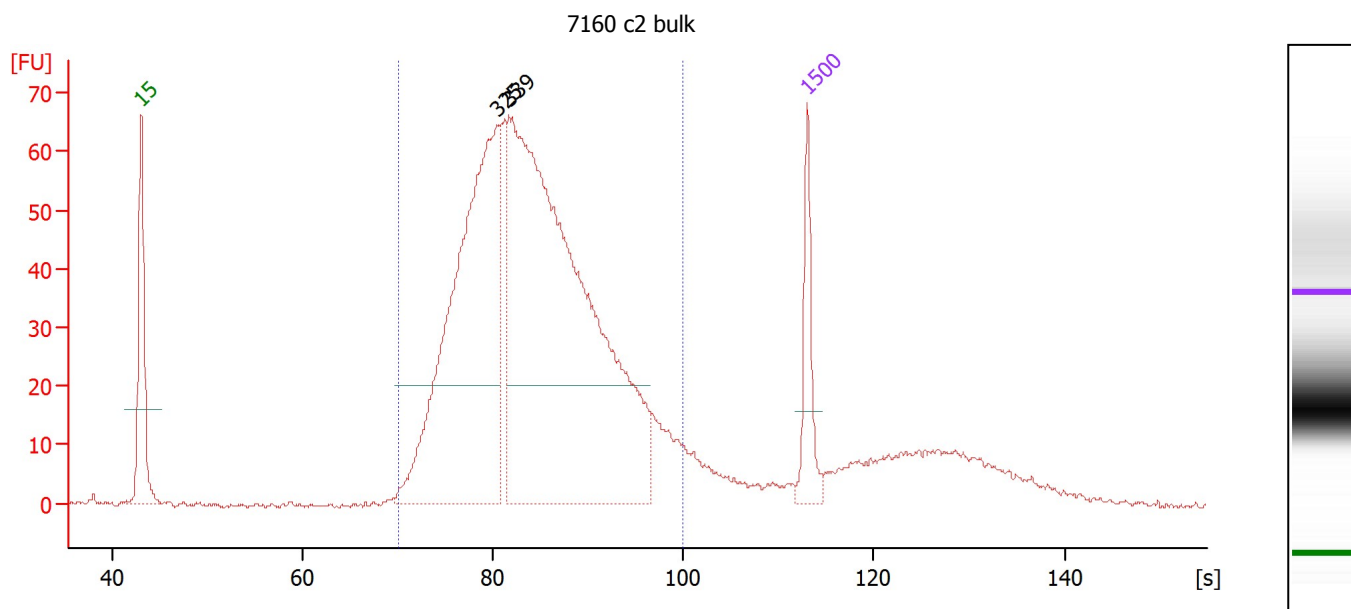
Region table for sample 6 : 7160 65 yfp

From [s]	To [s]	Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [ng/μl]	Col or
70.00	100.00	515.7	95	359	23.7	23.05	Blue

Assay Class: DNA 1000
 Data Path: C:\...-08\2100 expert_DNA 1000_DE54700243_2016-09-08_12-40-06.xad

Created: 9/8/2016 12:40:06 PM
 Modified: 9/8/2016 1:20:40 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 7160 c2 bulk

Number of peaks found: 2 Area 1: 860.3

Peak table for sample 7 : 7160 c2 bulk

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	325	17.86	83.1	
3	339	29.67	132.8	
4	1,500	2.10	2.1	Upper Marker

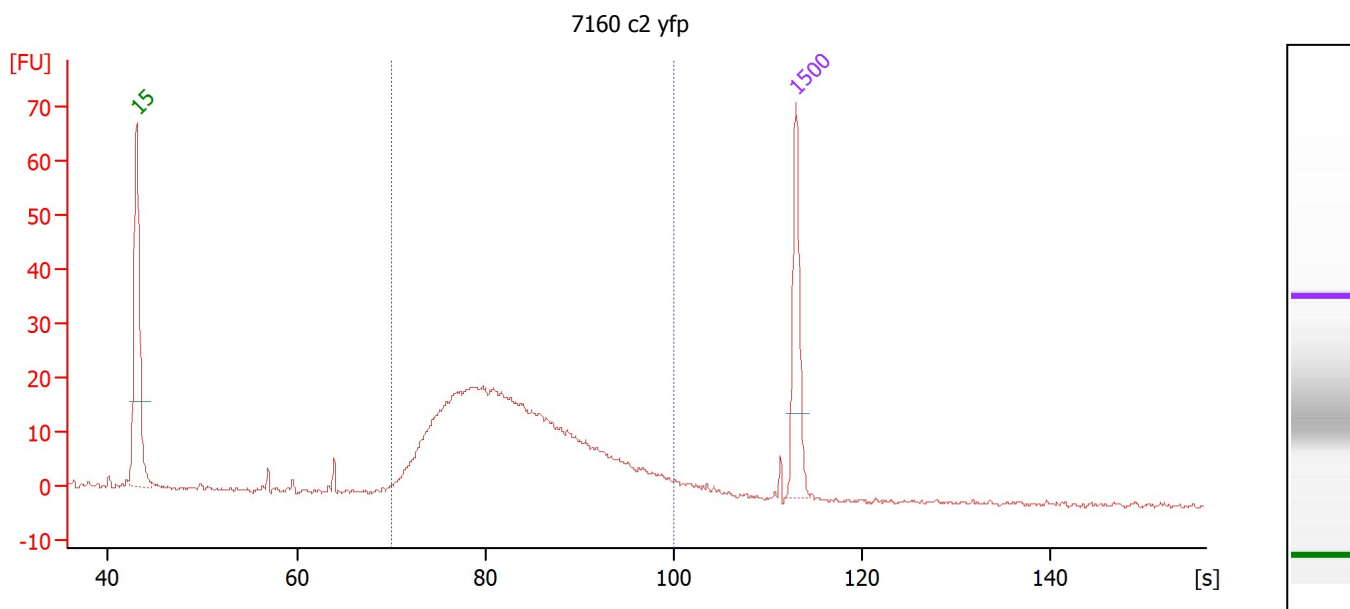
Region table for sample 7 : 7160 c2 bulk

From [s]	To [s]	Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [ng/μl]	Col or
70.00	100.00	860.3	82	372	21.3	49.02	Blue

Assay Class: DNA 1000
 Data Path: C:\...-08\2100 expert_DNA 1000_DE54700243_2016-09-08_12-40-06.xad

Created: 9/8/2016 12:40:06 PM
 Modified: 9/8/2016 1:20:40 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : 7160 c2 yfp

Number of peaks found: 0 Area 1: 272.5

Peak table for sample 8 : 7160 c2 yfp

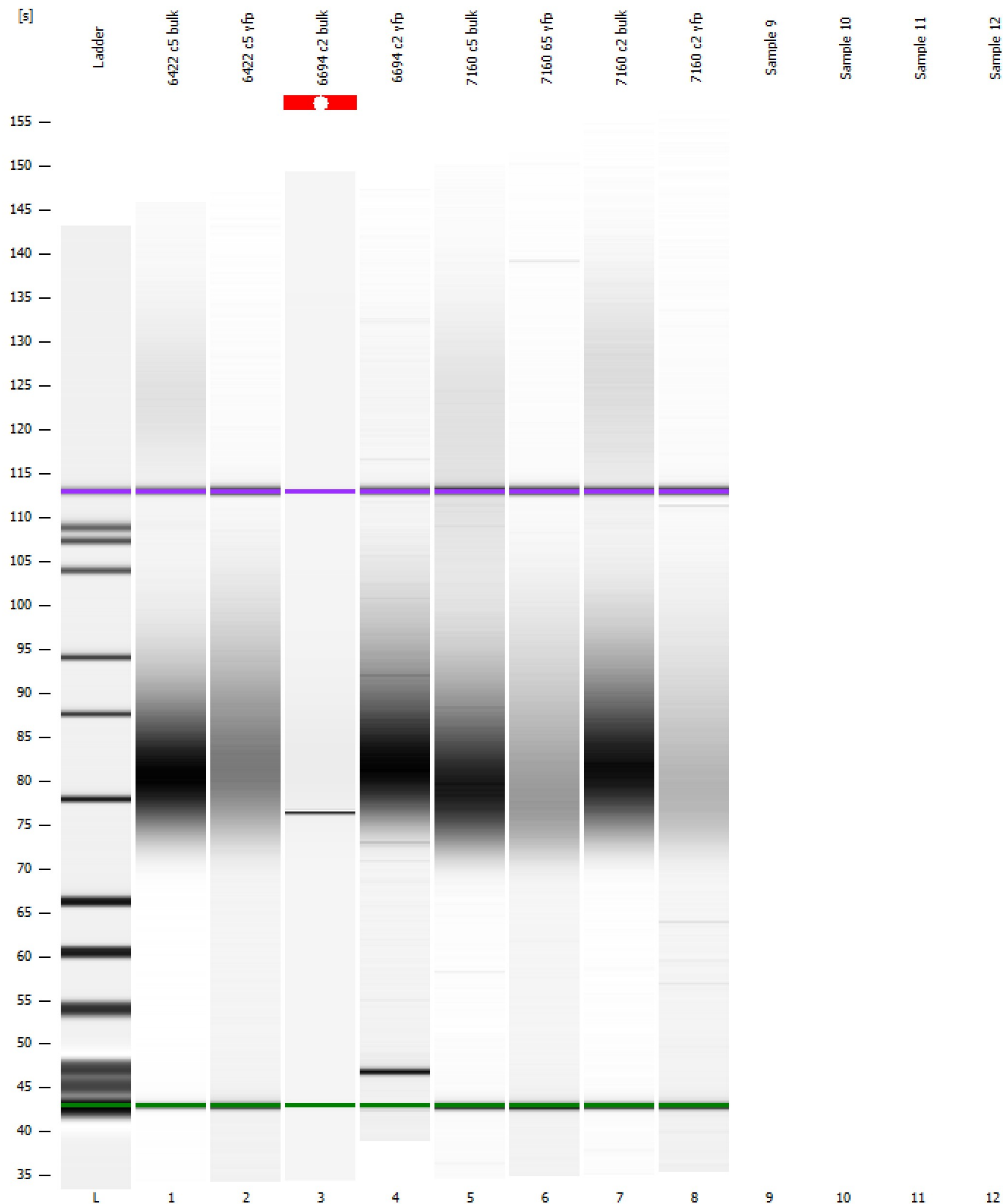
Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	1,500	2.10	2.1	Upper Marker

Region table for sample 8 : 7160 c2 yfp

From [s]	To [s]	Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [ng/μl]	Col or
70.00	100.00	272.5	95	363	22.7	16.03	Blue

Assay Class: DNA 1000
Data Path: C:\...-08\2100 expert_DNA 1000_DE54700243_2016-09-08_12-40-06.xad

Created: 9/8/2016 12:40:06 PM
Modified: 9/8/2016 1:20:40 PM

Gel Image

Assay Class: DNA 1000
Data Path: C:\...-08\2100 expert_DNA 1000_DE54700243_2016-09-08_12-40-06.xad

Created: 9/8/2016 12:40:06 PM
Modified: 9/8/2016 1:20:40 PM

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.