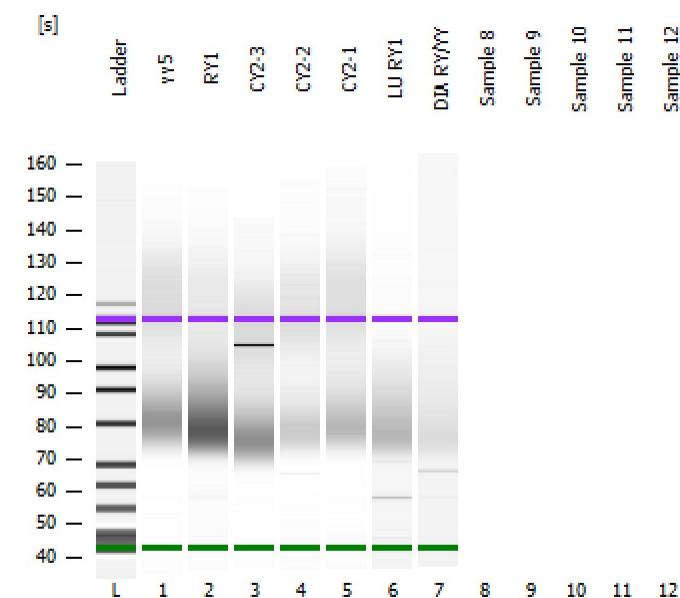


Assay Class: DNA 1000
Data Path: C:\...-06\2100 expert_DNA 1000_DE54700243_2016-09-06_16-15-12.xad

Created: 9/6/2016 4:15:11 PM
Modified: 9/6/2016 4:50:14 PM

Electrophoresis File Run Summary



Instrument Information:

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

Assay Information:

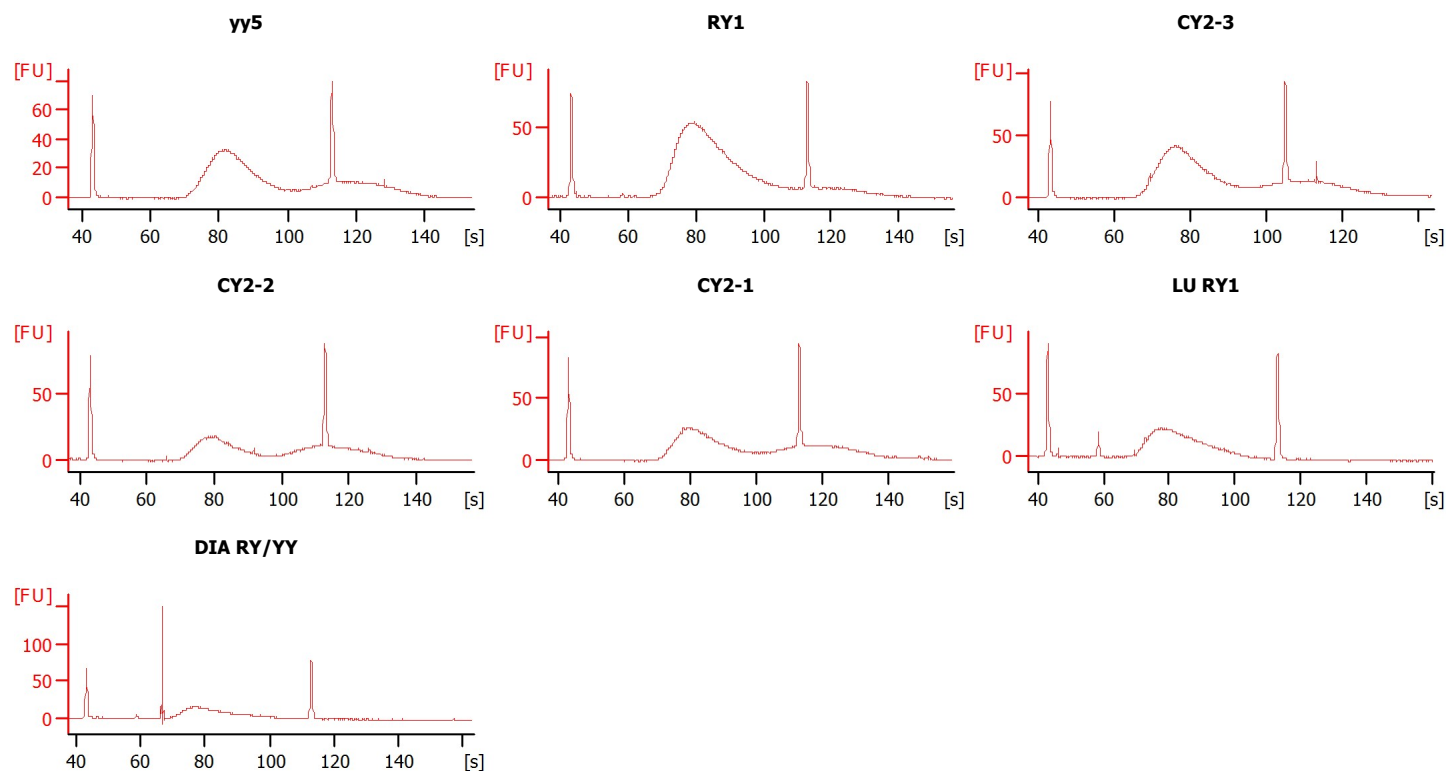
Assay Origin Path: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\assays\dsDNA\DNA 1000 Series II.xsy

Assay Class: DNA 1000
Version: 2.3
Assay Comments: DNA Analysis 25 -1000 bp

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Chip Information:

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



Assay Class: DNA 1000
Data Path: C:\...-06\2100 expert_DNA 1000_DE54700243_2016-09-06_16-15-12.xad

Created: 9/6/2016 4:15:11 PM
Modified: 9/6/2016 4:50:14 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
yy5		<input type="checkbox"/>	✓			
RY1		<input type="checkbox"/>	✓			
CY2-3		<input type="checkbox"/>	✓			
CY2-2		<input type="checkbox"/>	✓			
CY2-1		<input type="checkbox"/>	✓			
LU RY1		<input type="checkbox"/>	✓			
DIA RY/YY		<input type="checkbox"/>	✓			
Sample 8		<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:\...-06\2100 expert_DNA 1000_DE54700243_2016-09-06_16-15-12.xad

Created: 9/6/2016 4:15:11 PM
Modified: 9/6/2016 4:50:14 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/μl] : 44
Uses Standard Area for Ladder Fragments
Lower Marker Concentration [ng/μl] : 4.2
Upper Marker Concentration [ng/μl] : 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

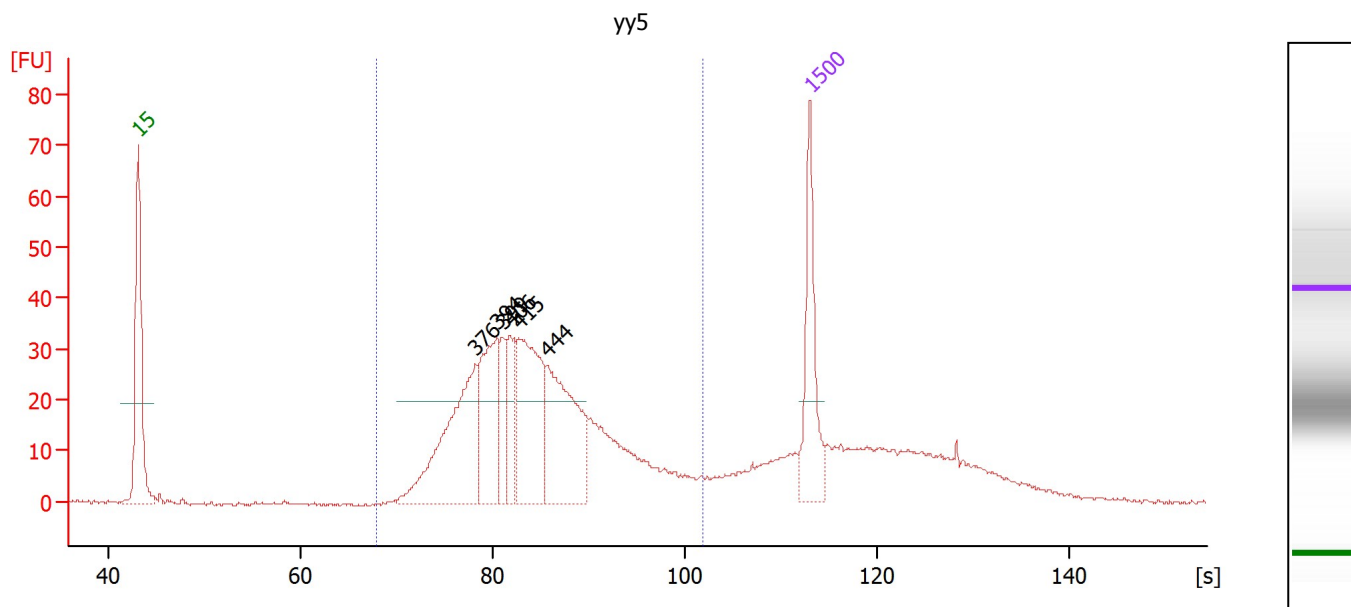
Ladder

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:\...-06\2100 expert_DNA 1000_DE54700243_2016-09-06_16-15-12.xad

Created: 9/6/2016 4:15:11 PM
 Modified: 9/6/2016 4:50:14 PM

Electropherogram Summary



Overall Results for sample 1 : yy5

Number of peaks found: 6 Area 1: 420.9

Peak table for sample 1 : yy5

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	376	3.48	14.0	
3	394	2.17	8.3	
4	399	0.74	2.8	
5	406	0.92	3.5	
6	415	2.80	10.2	
7	444	2.95	10.0	
8	1,500	2.10	2.1	Upper Marker

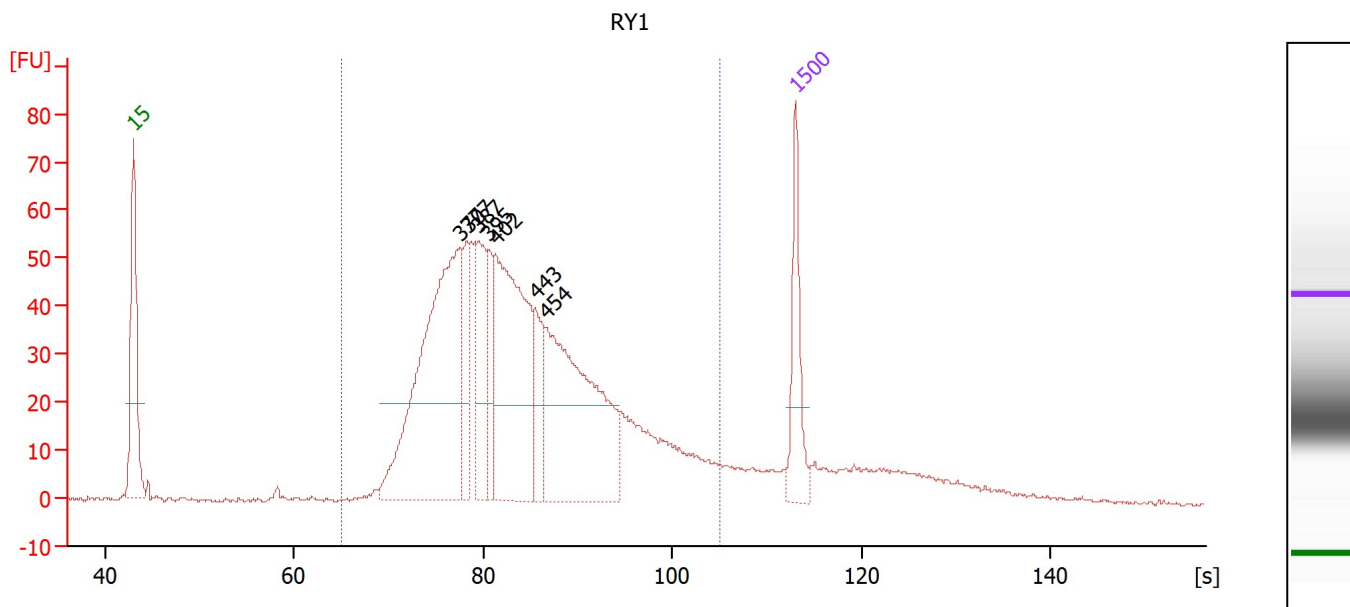
Region table for sample 1 : yy5

From [s]	To [s]	Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [ng/μl]	Col or
67.76	101.74	420.9	67	445	20.1	15.78	Blue

Assay Class: DNA 1000
 Data Path: C:\...-06\2100 expert_DNA 1000_DE54700243_2016-09-06_16-15-12.xad

Created: 9/6/2016 4:15:11 PM
 Modified: 9/6/2016 4:50:14 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : RY1

Number of peaks found: 7 Area 1: 829.4

Peak table for sample 2 : RY1

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	370	9.49	38.9	
3	377	1.66	6.7	
4	387	2.44	9.6	
5	395	1.11	4.3	
6	402	6.71	25.3	
7	443	1.58	5.4	
8	454	7.12	23.8	
9	1,500	2.10	2.1	Upper Marker

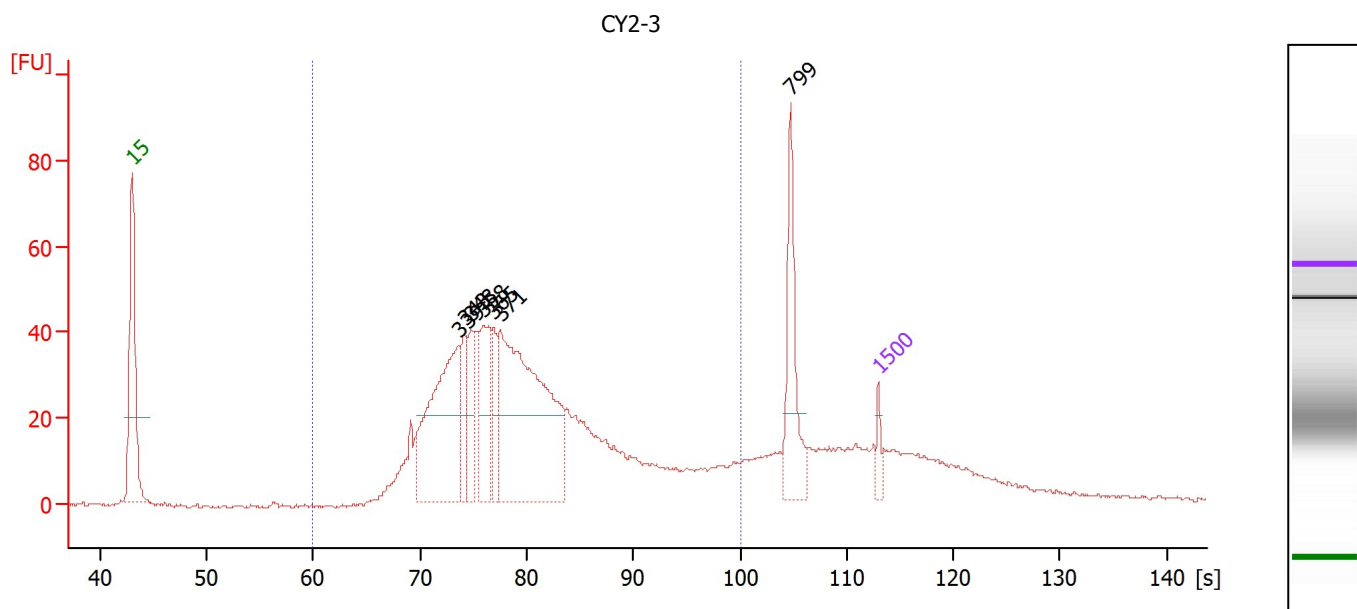
Region table for sample 2 : RY1

From [s]	To [s]	Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [ng/μl]	Col or
65.00	105.00	829.4	85	448	25.2	35.20	Blue

Assay Class: DNA 1000
 Data Path: C:\...-06\2100 expert_DNA 1000_DE54700243_2016-09-06_16-15-12.xad

Created: 9/6/2016 4:15:11 PM
 Modified: 9/6/2016 4:50:14 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : CY2-3

Number of peaks found: 7 Area 1: 599.1

Peak table for sample 3 : CY2-3

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	339	27.40	122.6	
3	343	6.05	26.7	
4	348	6.23	27.1	
5	358	11.53	48.9	
6	365	5.07	21.0	
7	371	44.60	182.3	
8	799	16.05	30.4	
9	1,500	2.10	2.1	Upper Marker

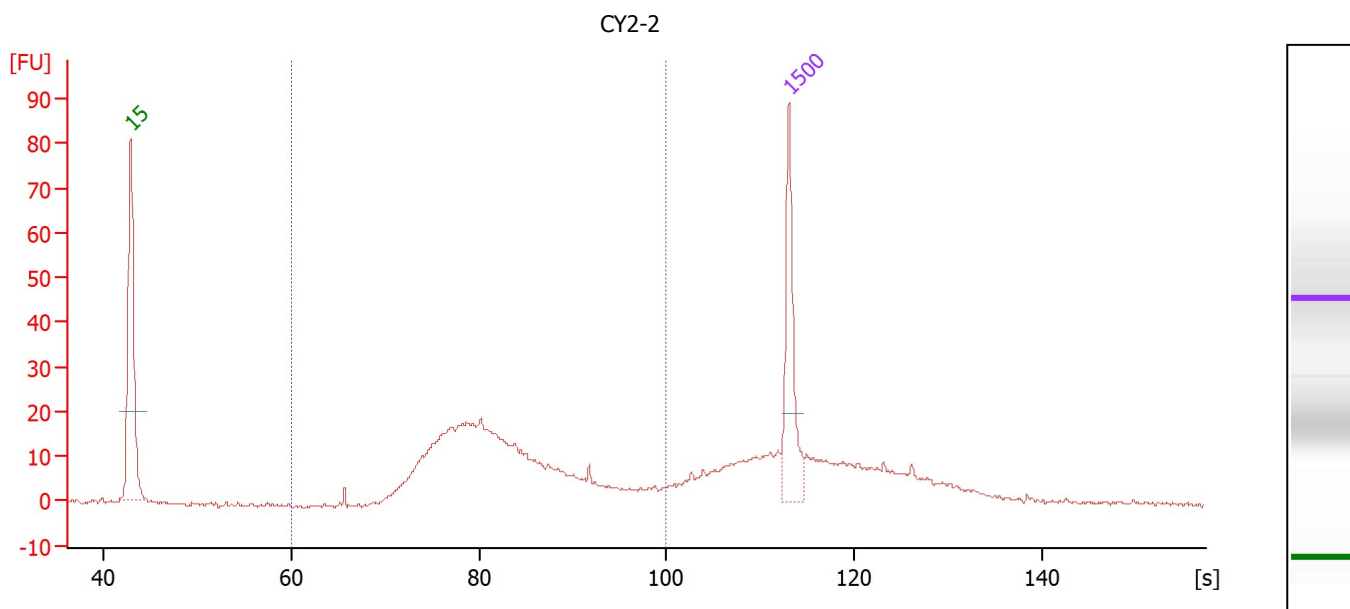
Region table for sample 3 : CY2-3

From [s]	To [s]	Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [ng/μl]	Col or
60.00	100.00	599.1	67	404	22.9	149.44	Blue

Assay Class: DNA 1000
 Data Path: C:\...-06\2100 expert_DNA 1000_DE54700243_2016-09-06_16-15-12.xad

Created: 9/6/2016 4:15:11 PM
 Modified: 9/6/2016 4:50:14 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : CY2-2

Number of peaks found: 0 Area 1: 209.1

Peak table for sample 4 : CY2-2

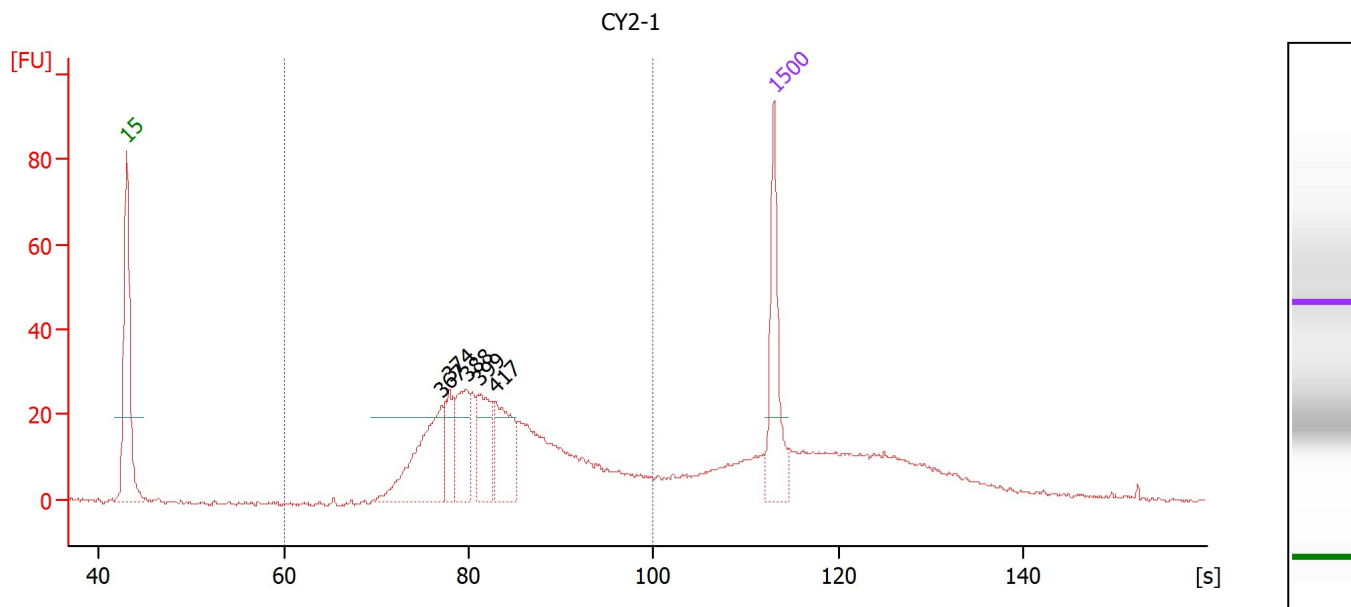
Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	1,500	2.10	2.1	Upper Marker

Region table for sample 4 : CY2-2

From [s]	To [s]	Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [ng/μl]	Col or
60.00	100.00	209.1	52	423	19.9	8.14	Blue

Assay Class: DNA 1000
 Data Path: C:\...-06\2100 expert_DNA 1000_DE54700243_2016-09-06_16-15-12.xad

Created: 9/6/2016 4:15:11 PM
 Modified: 9/6/2016 4:50:14 PM

Electropherogram Summary Continued ...**Overall Results for sample 5 : CY2-1**

Number of peaks found: 5 Area 1: 322.9

Peak table for sample 5 : CY2-1

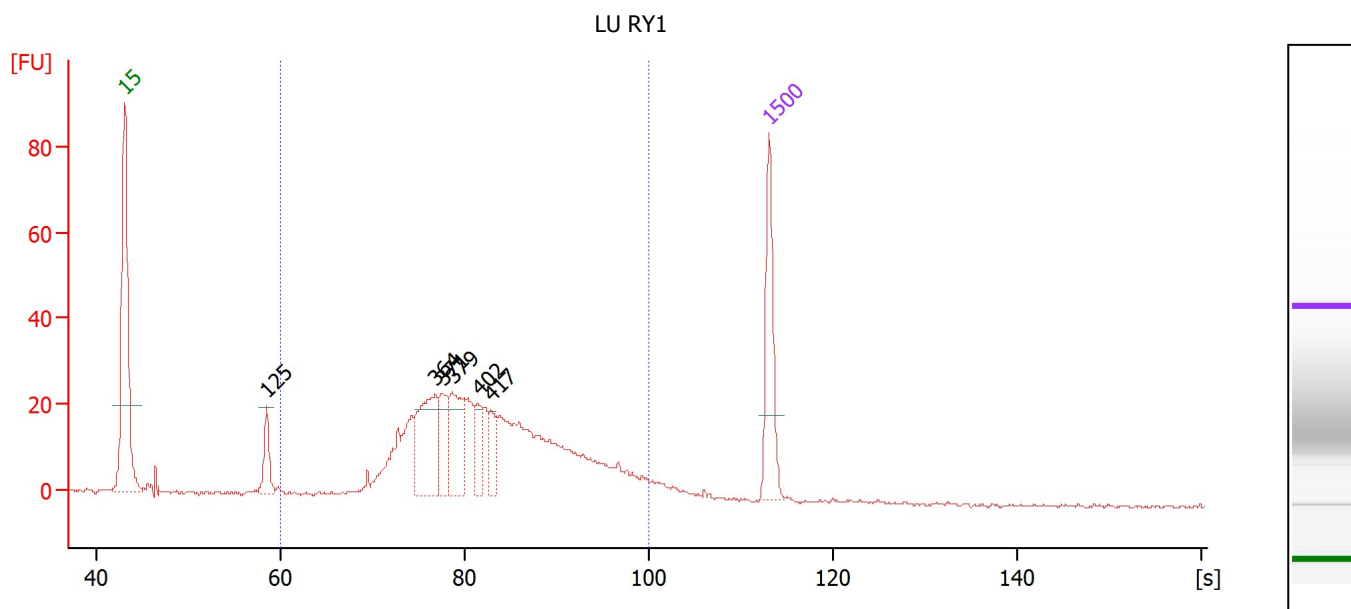
Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	367	2.46	10.2	
3	374	0.72	2.9	
4	388	1.26	4.9	
5	399	1.22	4.6	
6	417	1.53	5.6	
7	1,500	2.10	2.1	Upper Marker

Region table for sample 5 : CY2-1

From [s]	To [s]	Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [ng/μl]	Color
60.00	100.00	322.9	57	439	20.1	11.77	Blue

Assay Class: DNA 1000
 Data Path: C:\...-06\2100 expert_DNA 1000_DE54700243_2016-09-06_16-15-12.xad

Created: 9/6/2016 4:15:11 PM
 Modified: 9/6/2016 4:50:14 PM

Electropherogram Summary Continued ...**Overall Results for sample 6 : LU RY1**

Number of peaks found: 6 Area 1: 344.6

Peak table for sample 6 : LU RY1

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	125	0.81	9.8	
3	364	2.18	9.1	
4	371	0.82	3.3	
5	379	1.37	5.5	
6	402	0.61	2.3	
7	417	0.55	2.0	
8	1,500	2.10	2.1	Upper Marker

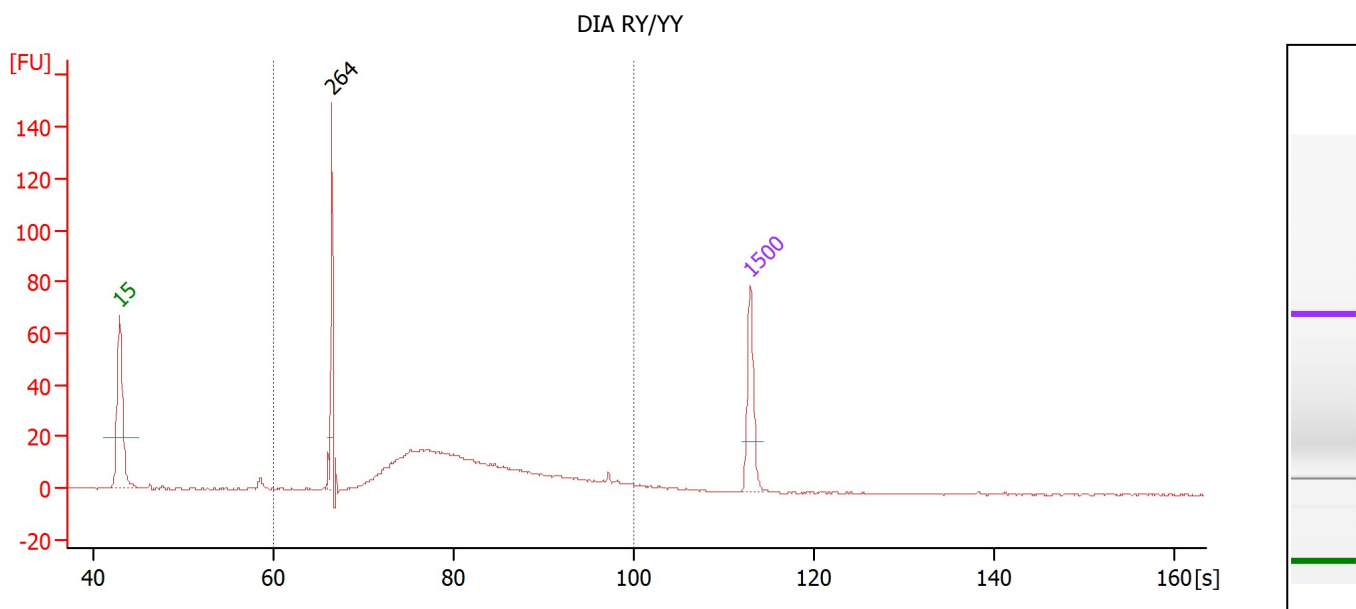
Region table for sample 6 : LU RY1

From [s]	To [s]	Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [ng/μl]	Col or
60.00	100.00	344.6	92	429	21.5	15.27	Blue

Assay Class: DNA 1000
 Data Path: C:\...-06\2100 expert_DNA 1000_DE54700243_2016-09-06_16-15-12.xad

Created: 9/6/2016 4:15:11 PM
 Modified: 9/6/2016 4:50:14 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : DIA RY/YY

Number of peaks found: 1 Area 1: 235.0

Peak table for sample 7 : DIA RY/YY

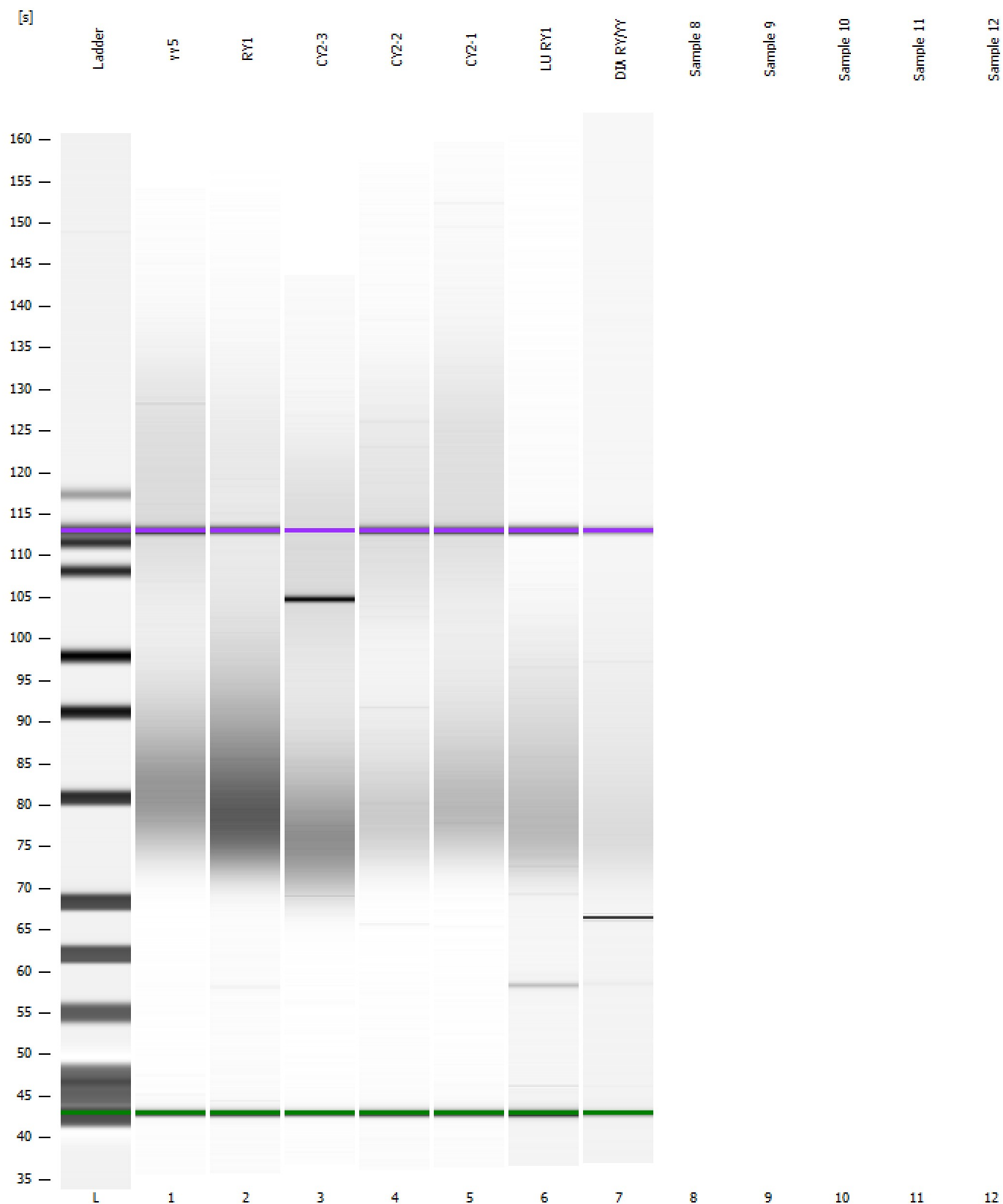
Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	264	2.15	12.4	
3	1,500	2.10	2.1	Upper Marker

Region table for sample 7 : DIA RY/YY

From [s]	To [s]	Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [ng/μl]	Col or
60.00	100.00	235.0	95	401	25.7	13.12	Blue

Assay Class: DNA 1000
Data Path: C:\...-06\2100 expert_DNA 1000_DE54700243_2016-09-06_16-15-12.xad

Created: 9/6/2016 4:15:11 PM
Modified: 9/6/2016 4:50:14 PM

Gel Image

Assay Class: DNA 1000
Data Path: C:\...-06\2100 expert_DNA 1000_DE54700243_2016-09-06_16-15-12.xad

Created: 9/6/2016 4:15:11 PM
Modified: 9/6/2016 4:50:14 PM

Invalid Samples

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.