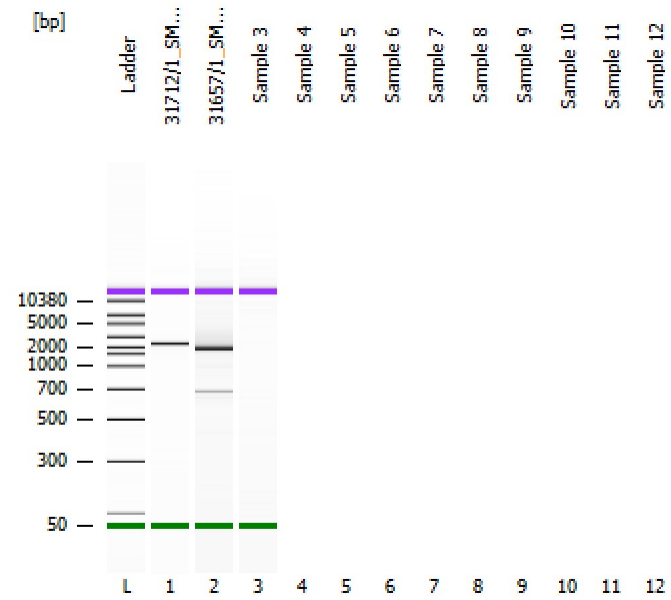
Assay Class: DNA 12000
Data Path: C:\...ta\2023-05-23\Bioanalzyer_DNA 12000_2023-05-23_15-24-15.xad

Created: 5/23/2023 3:24:15 PM
Modified: 5/23/2023 3:58:07 PM

Electrophoresis File Run Summary



Instrument Information:

Instrument Name: DE34903176 Firmware: C.01.069
Serial#: DE34903176 Type: G2938C

Assay Information:

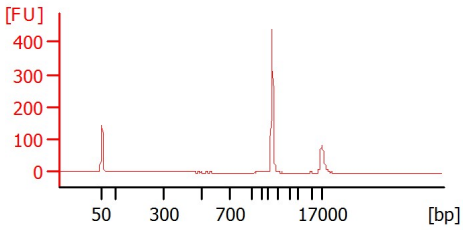
Assay Origin Path: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\assays\dsDNA\DNA 12000 Series II.xsy

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

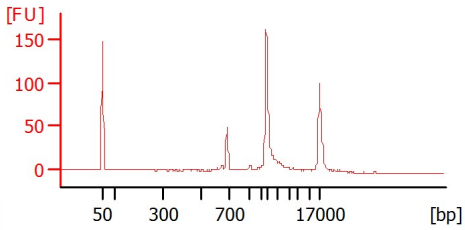
Chip Information:

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

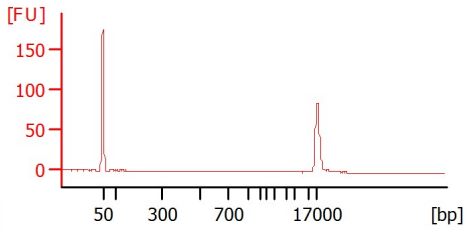
31712/1_SMRT



31657/1_SMRT



Sample 3



Assay Class: DNA 12000 Created: 5/23/2023 3:24:15 PM
Data Path: C:\...ta\2023-05-23\Bioanalzyer_DNA 12000_2023-05-23_15-24-15.xad Modified: 5/23/2023 3:58:07 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
31712/1_SMRT		☐	✔			
31657/1_SMRT		☐	✔			
Sample 3		☐	✔			
Sample 4		☐				
Sample 5		☐				
Sample 6		☐				
Sample 7		☐				
Sample 8		☐				
Sample 9		☐				
Sample 10		☐				
Sample 11		☐				
Sample 12		☐				
Ladder		☐	✔			

Chip Lot # **Reagent Kit Lot #**

Chip Comments :

Assay Class: DNA 12000 Created: 5/23/2023 3:24:15 PM
Data Path: C:\...ta\2023-05-23\Bioanalzyer_DNA 12000_2023-05-23_15-24-15.xad Modified: 5/23/2023 3:58:07 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

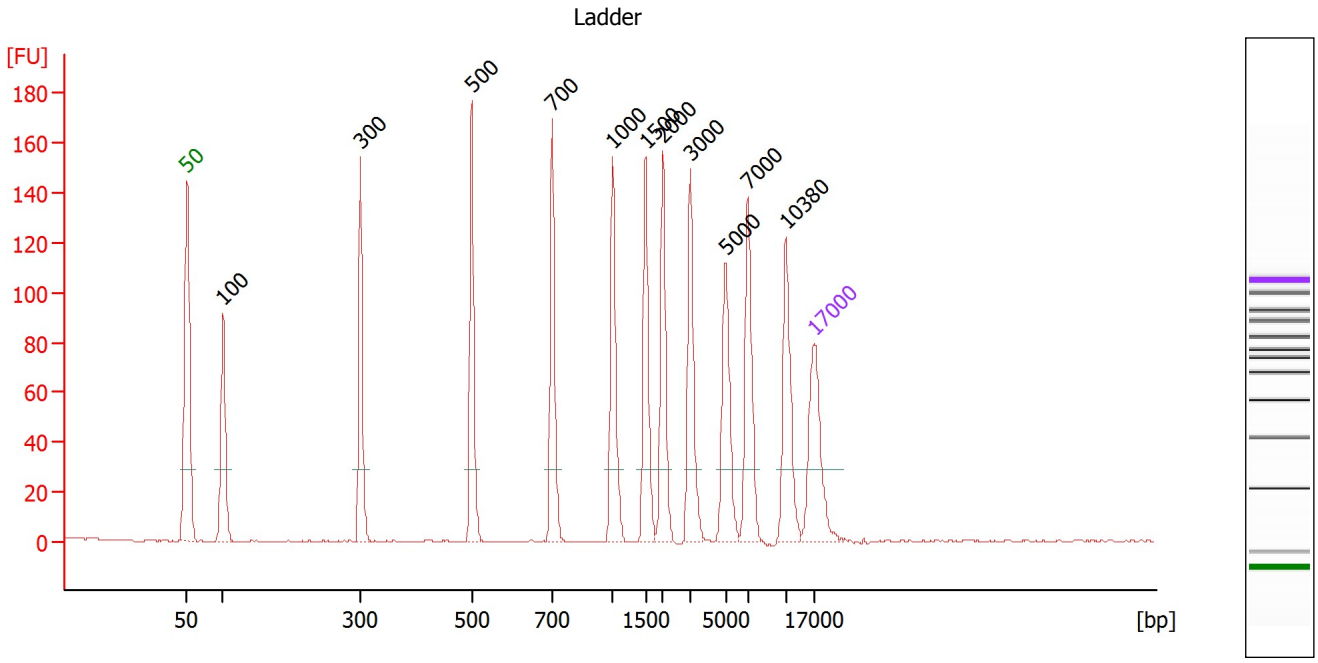
Ladder

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:\...ta\2023-05-23\Bioanalzyer_DNA 12000_2023-05-23_15-24-15.xad

Created: 5/23/2023 3:24:15 PM
Modified: 5/23/2023 3:58:07 PM

Electropherogram Summary

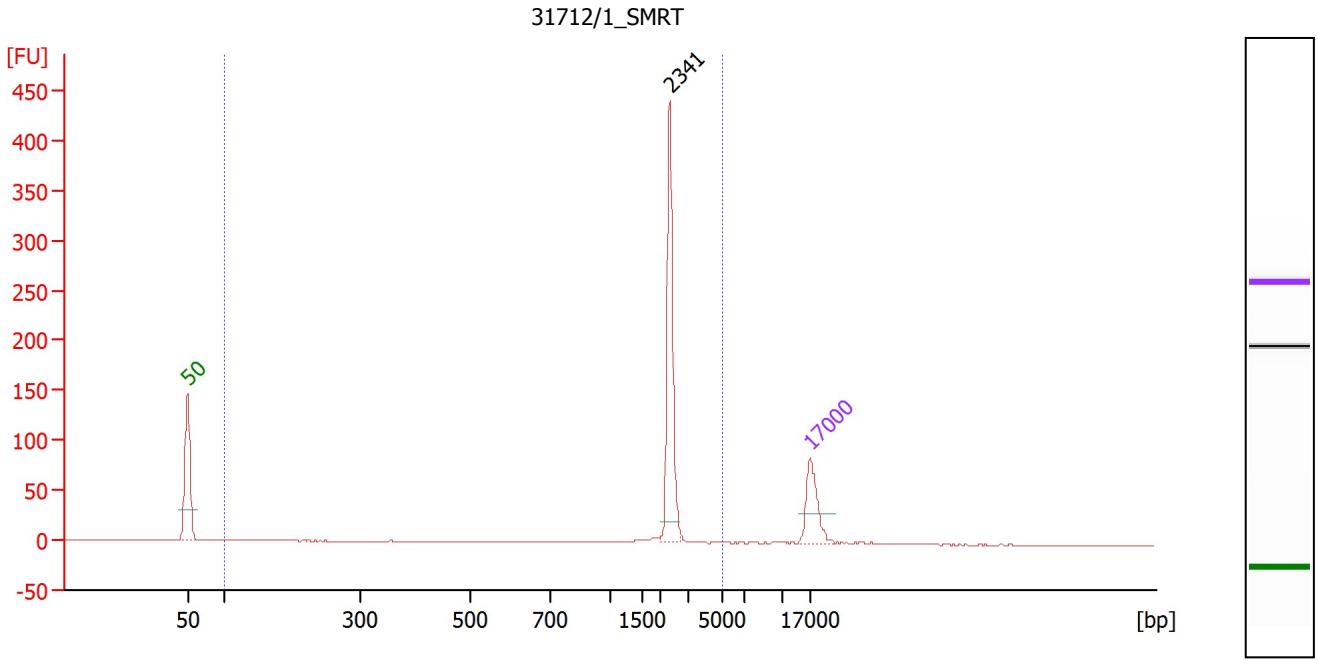


Peak table for Ladder

Peak		Size [bp]	Conc. [ng/µl]	Molarity [nmol/l]	Observations
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

Assay Class: DNA 12000 Created: 5/23/2023 3:24:15 PM
Data Path: C:\...ta\2023-05-23\Bioanalzyer_DNA 12000_2023-05-23_15-24-15.xad Modified: 5/23/2023 3:58:07 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : 31712/1_SMRT

Number of peaks found: 1 Area 1: 237.6

Peak table for sample 1 : 31712/1_SMRT

Peak	Size [bp]	Conc. [ng/µl]	Molarity [nmol/l]	Observations
2	2,341	13.23	8.6	

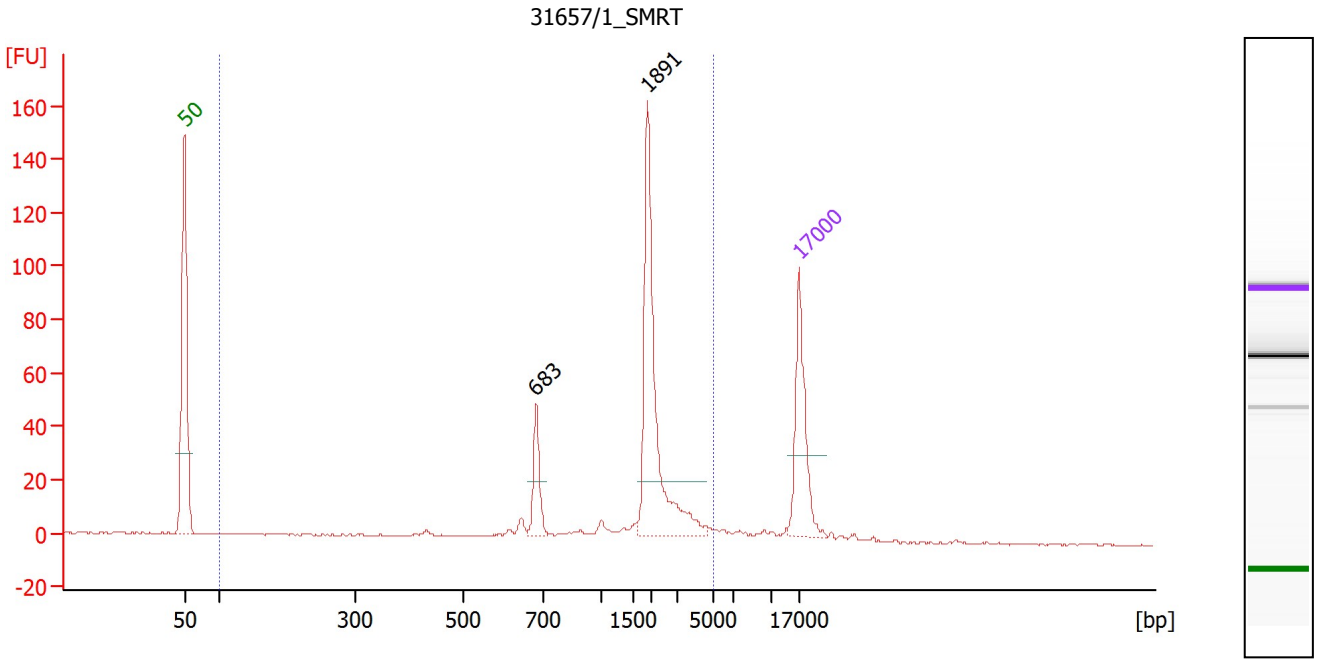
Region table for sample 1 : 31712/1_SMRT

From [bp]	To [bp]	Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [ng/µl]	Color
100	5,000	237.6	95	2,307	16.6	14.59	

Assay Class: DNA 12000
Data Path: C:\...ta\2023-05-23\Bioanalzyer_DNA 12000_2023-05-23_15-24-15.xad

Created: 5/23/2023 3:24:15 PM
Modified: 5/23/2023 3:58:07 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : 31657/1_SMRT

Number of peaks found: 2 Area 1: 224.6

Peak table for sample 2 : 31657/1_SMRT

Peak	Size [bp]	Conc. [ng/µl]	Molarity [nmol/l]	Observations
2	683	1.72	3.8	
3	1,891	9.10	7.3	

Region table for sample 2 : 31657/1_SMRT

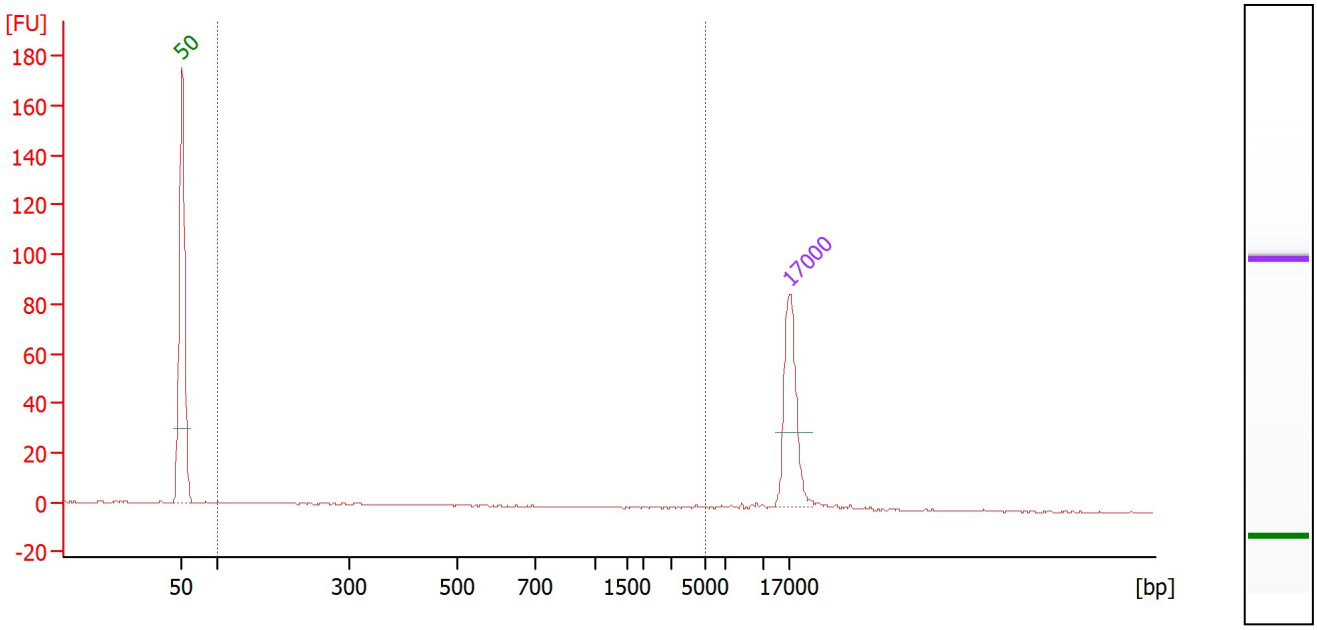
From [bp]	To [bp]	Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [ng/µl]	Color
100	5,000	224.6	90	1,833	48.8	14.04	

Assay Class: DNA 12000
Data Path: C:\...ta\2023-05-23\Bioanalzyer_DNA 12000_2023-05-23_15-24-15.xad

Created: 5/23/2023 3:24:15 PM
Modified: 5/23/2023 3:58:07 PM

Electropherogram Summary Continued ...

Sample 3



Overall Results for sample 3 : Sample 3

Number of peaks found: 0 Area 1: 8.5

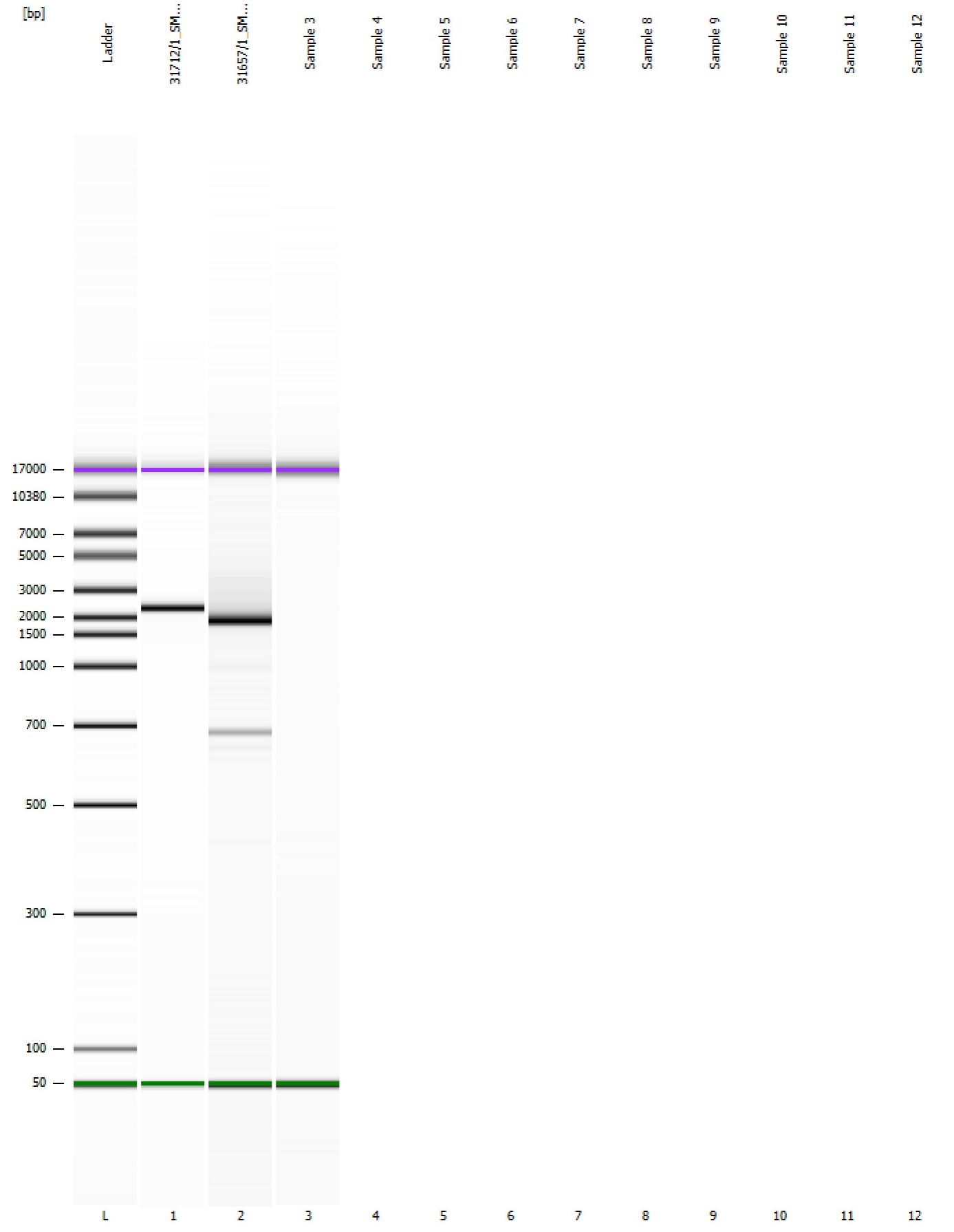
Region table for sample 3 : Sample 3

From [bp]	To [bp]	Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [ng/µl]	Color
100	5,000	8.5	41	870	100.0	0.66	

Assay Class: DNA 12000
Data Path: C:\...ta\2023-05-23\Bioanalzyer_DNA 12000_2023-05-23_15-24-15.xad

Created: 5/23/2023 3:24:15 PM
Modified: 5/23/2023 3:58:07 PM

Gel Image



Assay Class: DNA 12000 Created: 5/23/2023 3:24:15 PM
Data Path: C:\...ta\2023-05-23\Bioanalzyer_DNA 12000_2023-05-23_15-24-15.xad Modified: 5/23/2023 3:58:07 PM

Invalid Samples

Sample 4 has not been run, no results available.

Sample 5 has not been run, no results available.

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.

Assay Class: DNA 12000 Created: 5/23/2023 3:24:15 PM
Data Path: C:\...ta\2023-05-23\Bioanalzyer_DNA 12000_2023-05-23_15-24-15.xad Modified: 5/23/2023 3:58:07 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 2 (Number of wells acquired: 4)		Instrument	Run		5/23/2023 3:39:47 PM	(GMT +02:00) W. Europe Standard Time	transcriptomics	FGCZ-NET
Run started on port 2 (File: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\data\2023-05-23\Bioanalzyer_DNA 12000_2023-05-23_15-24-15.xad)		Instrument	Run		5/23/2023 3:24:20 PM	(GMT +02:00) W. Europe Standard Time	transcriptomics	FGCZ-NET
Product Number : G2938C		Instrument	Run		5/23/2023 3:24:20 PM	(GMT +02:00) W. Europe Standard Time	transcriptomics	FGCZ-NET
Name :		Instrument	Run		5/23/2023 3:24:20 PM	(GMT +02:00) W. Europe Standard Time	transcriptomics	FGCZ-NET
Vendor : Agilent Technologies		Instrument	Run		5/23/2023 3:24:20 PM	(GMT +02:00) W. Europe Standard Time	transcriptomics	FGCZ-NET
Serial# : DE34903176		Instrument	Run		5/23/2023 3:24:20 PM	(GMT +02:00) W. Europe Standard Time	transcriptomics	FGCZ-NET
Firmware : C.01.069		Instrument	Run		5/23/2023 3:24:20 PM	(GMT +02:00) W. Europe Standard Time	transcriptomics	FGCZ-NET
Cartridge : Electrode		Instrument	Run		5/23/2023 3:24:20 PM	(GMT +02:00) W. Europe Standard Time	transcriptomics	FGCZ-NET

