Assay Class:	DNA 1000	Created: 06.09.2024 17:03:19
Data Path:	C:\...-06\2100 expert_DNA 1000_DE72905120_2024-09-06_17-03-19.xad	Modified: 06.09.2024 17:49:11

Electrophoresis File Run Summary

Instrument Information:

Instrument Name:	DE72905120	Firmware:	C.01.069
Serial#:	DE72905120	Type:	G2938C

Assay Information:

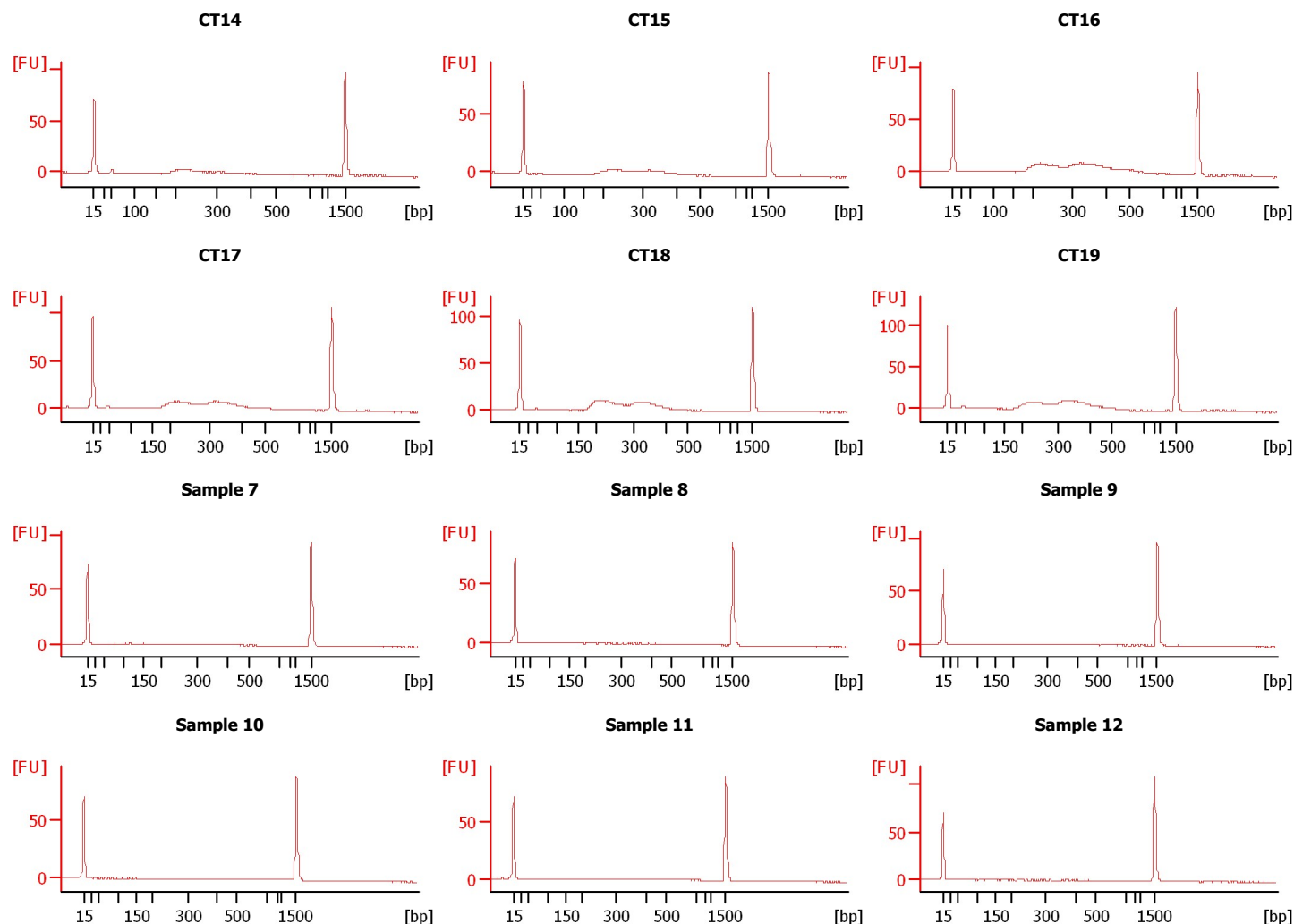|	
Assay Origin Path:	C:\Programme\Agilent\2100 bioanalyzer\2100 expert\assays\dsDNA\DNA 1000 Series II.xsy
Assay Class:	DNA 1000
Version:	2.3
Assay Comments:	DNA Analysis 25 -1000 bp
	© Copyright 2003-2009 Agilent Technologies, Inc.

Chip Information:

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

CT14   CT15   CT16   CT17   CT18   CT19   Sample 7   Sample 8   Sample 9   Sample 10   Sample 11   Sample 12

Assay Class:	DNA 1000		Created: 06.09.2024 17:03:19
Data Path:	C:\...-06\2100 expert_DNA 1000_DE72905120_2024-09-06_17-03-19.xad		Modified: 06.09.2024 17:49:11

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status Observations	Result Label	Result Color
CT14		☐	✔		
CT15		☐	✔		
CT16		☐	✔		
CT17		☐	✔		
CT18		☐	✔		
CT19		☐	✖		
Sample 7		☐	✔		
Sample 8		☐	✔		
Sample 9		☐	✔		
Sample 10		☐	✔		
Sample 11		☐	✔		
Sample 12		☐	✔		

Chip Lot #   **Reagent Kit Lot #**

Chip Comments :

Assay Class:	DNA 1000	Created:	06.09.2024 17:03:19
Data Path:	C:\...-06\2100 expert_DNA 1000_DE72905120_2024-09-06_17-03-19.xad	Modified:	06.09.2024 17:49:11

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   Created: 06.09.2024 17:03:19
Data Path: C:\...-06\2100 expert_DNA 1000_DE72905120_2024-09-06_17-03-19.xad   Modified: 06.09.2024 17:49:11

Electropherogram Summary
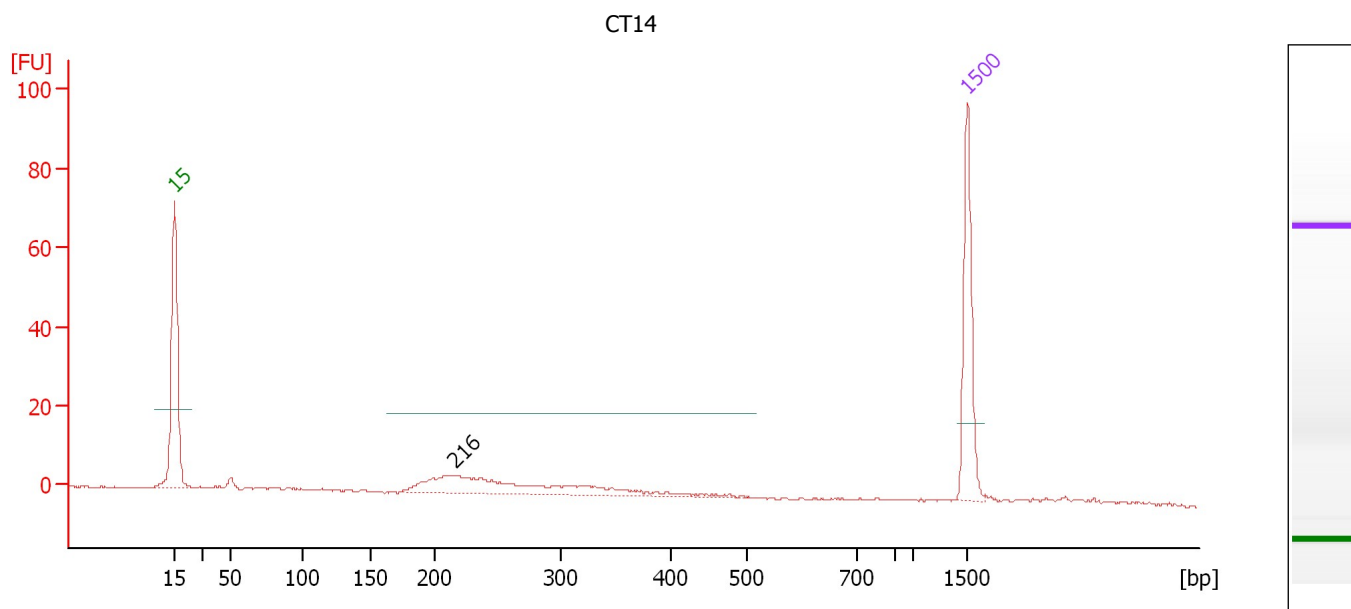
CT14

Overall Results for sample 1 : _CT14_

Number of peaks found: 1

Peak table for sample 1 : _CT14_

Peak		Size [bp]	Conc. [ng/µl]	Molarity [nmol/l]	Observations
1	◀	15	4,20	424,2	Lower Marker
2		216	2,66	18,7	
3	▶	1.500	2,10	2,1	Upper Marker

Assay Class: DNA 1000   Created: 06.09.2024 17:03:19
Data Path: C:\...-06\2100 expert_DNA 1000_DE72905120_2024-09-06_17-03-19.xad   Modified: 06.09.2024 17:49:11

Electropherogram Summary Continued ...
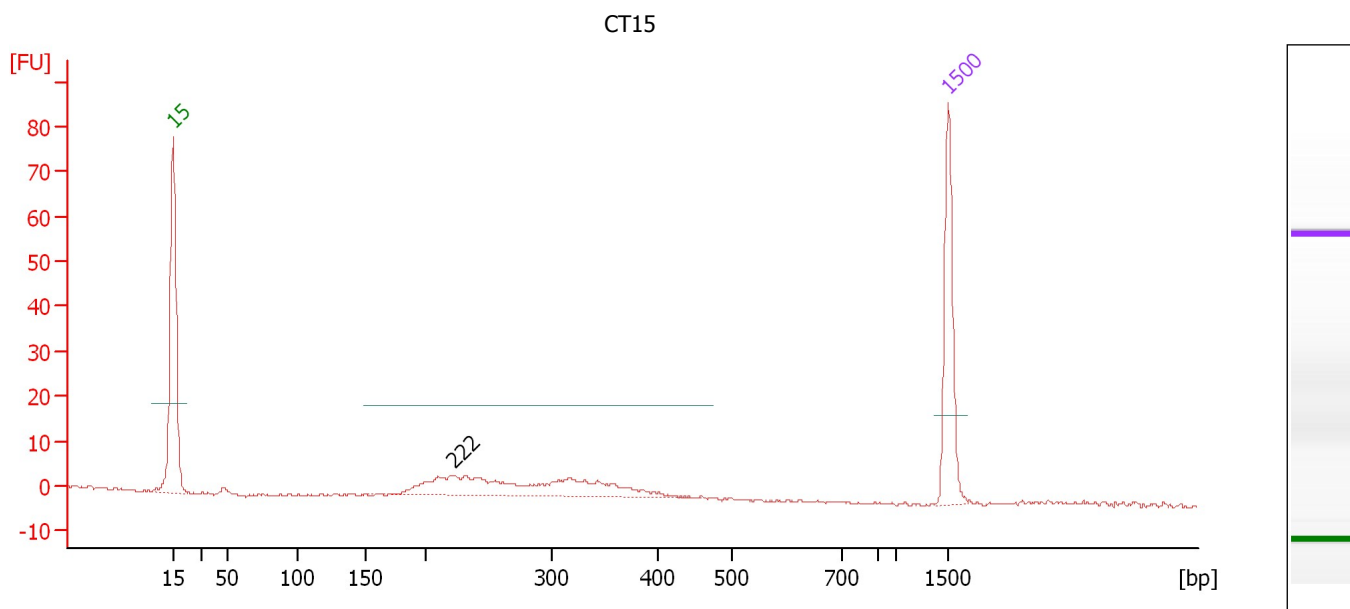
CT15

Overall Results for sample 2 :   CT15

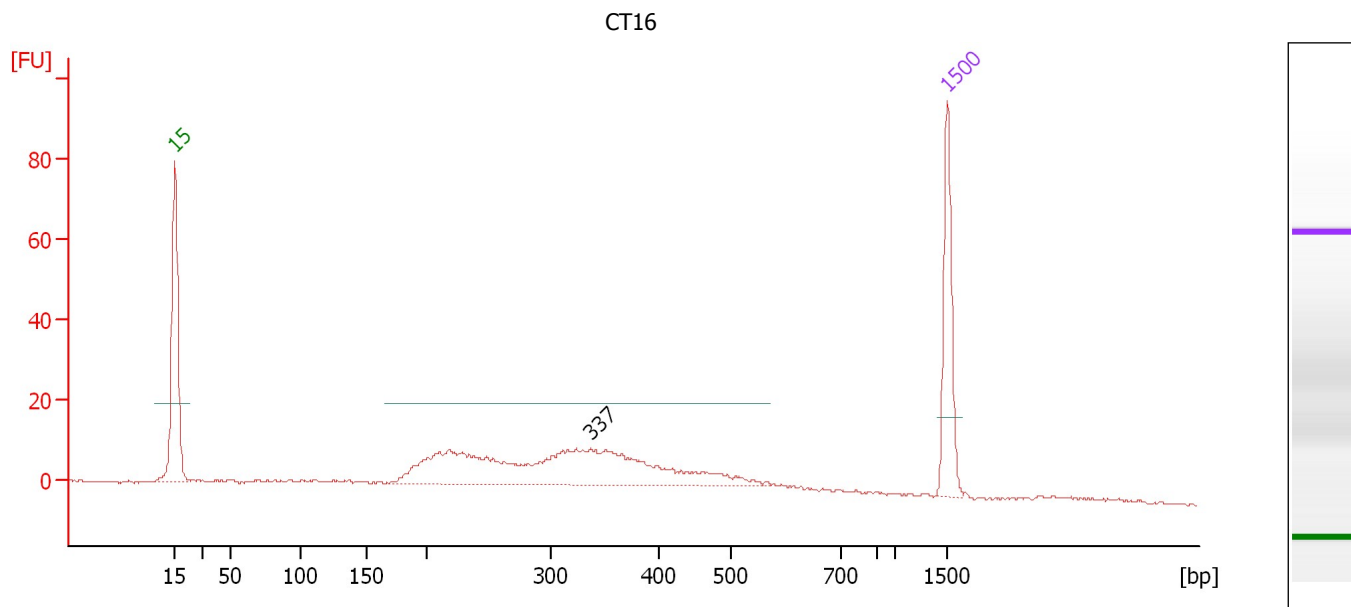Number of peaks found: 1

Peak table for sample 2 :   CT15

Peak		Size [bp]	Conc. [ng/µl]	Molarity [nmol/l]	Observations
1	◀	15	4,20	424,2	Lower Marker
2		222	3,38	23,0	
3	▶	1.500	2,10	2,1	Upper Marker

Assay Class: DNA 1000   Created: 06.09.2024 17:03:19
Data Path: C:\...-06\2100 expert_DNA 1000_DE72905120_2024-09-06_17-03-19.xad   Modified: 06.09.2024 17:49:11

Electropherogram Summary Continued ...

Overall Results for sample 3 :   CT16
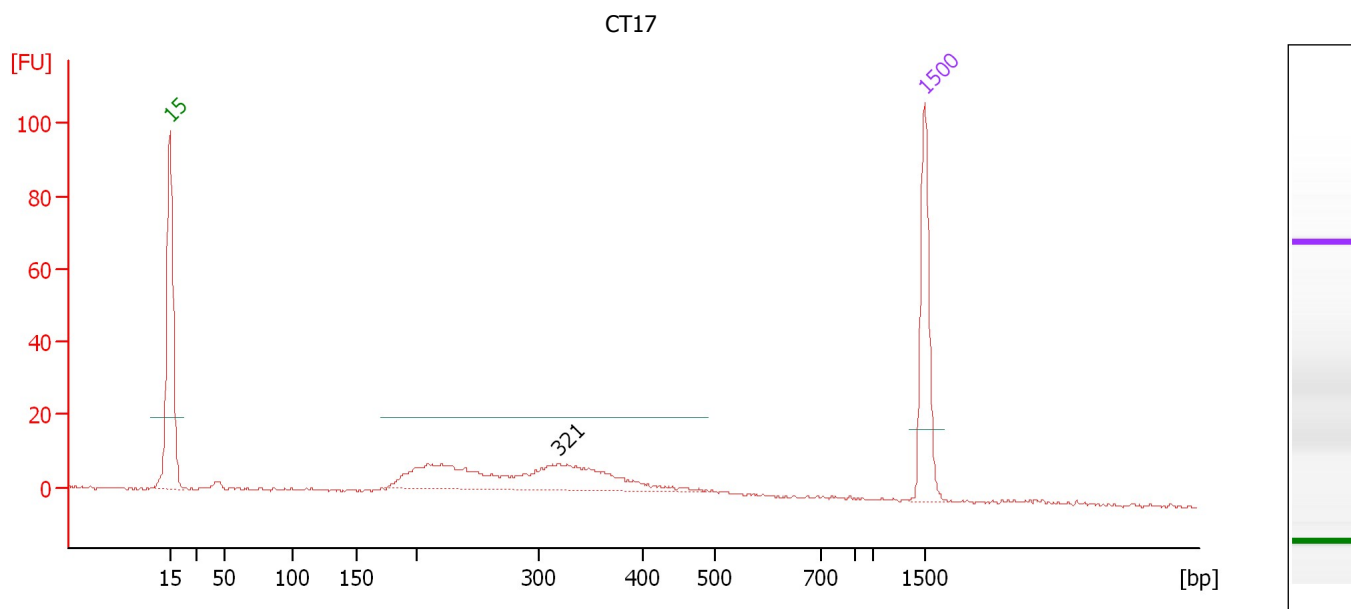
Number of peaks found: 1

Peak table for sample 3 :   CT16

Peak		Size [bp]	Conc. [ng/µl]	Molarity [nmol/l]	Observations
1	◀	15	4,20	424,2	Lower Marker
2		337	6,43	28,9	
3	▶	1.500	2,10	2,1	Upper Marker

Assay Class:　　DNA 1000　　　　　　　　　　　　　　　　　　　　　　　　Created:　　06.09.2024 17:03:19
Data Path:　　C:\...-06\2100 expert_DNA 1000_DE72905120_2024-09-06_17-03-19.xad　　Modified:　06.09.2024 17:49:11

Electropherogram Summary Continued ...

CT17

Overall Results for sample 4 : CT17

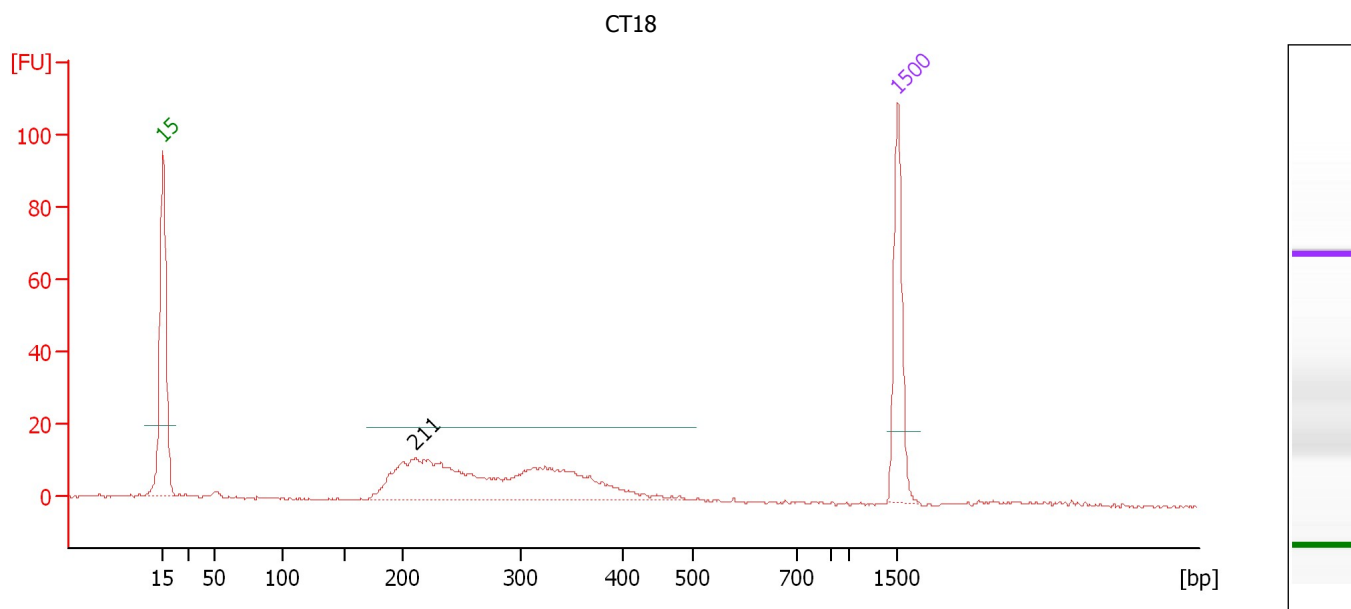Number of peaks found:　　　　1

Peak table for sample 4 : CT17

Peak		Size [bp]	Conc. [ng/µl]	Molarity [nmol/l]	Observations
1	◀	15	4,20	424,2	Lower Marker
2		321	3,60	17,0	
3	▶	1.500	2,10	2,1	Upper Marker

Assay Class: DNA 1000   Created: 06.09.2024 17:03:19
Data Path: C:\...-06\2100 expert_DNA 1000_DE72905120_2024-09-06_17-03-19.xad   Modified: 06.09.2024 17:49:11

Electropherogram Summary Continued ...

CT18

Overall Results for sample 5 :   CT18

Number of peaks found: 1

Peak table for sample 5 :   CT18

Peak		Size [bp]	Conc. [ng/µl]	Molarity [nmol/l]	Observations
1	◄	15	4,20	424,2	Lower Marker
2		211	6,66	47,9	
3	▶	1.500	2,10	2,1	Upper Marker

Assay Class: DNA 1000   Created: 06.09.2024 17:03:19
Data Path: C:\...-06\2100 expert_DNA 1000_DE72905120_2024-09-06_17-03-19.xad   Modified: 06.09.2024 17:49:11

Electropherogram Summary Continued ...
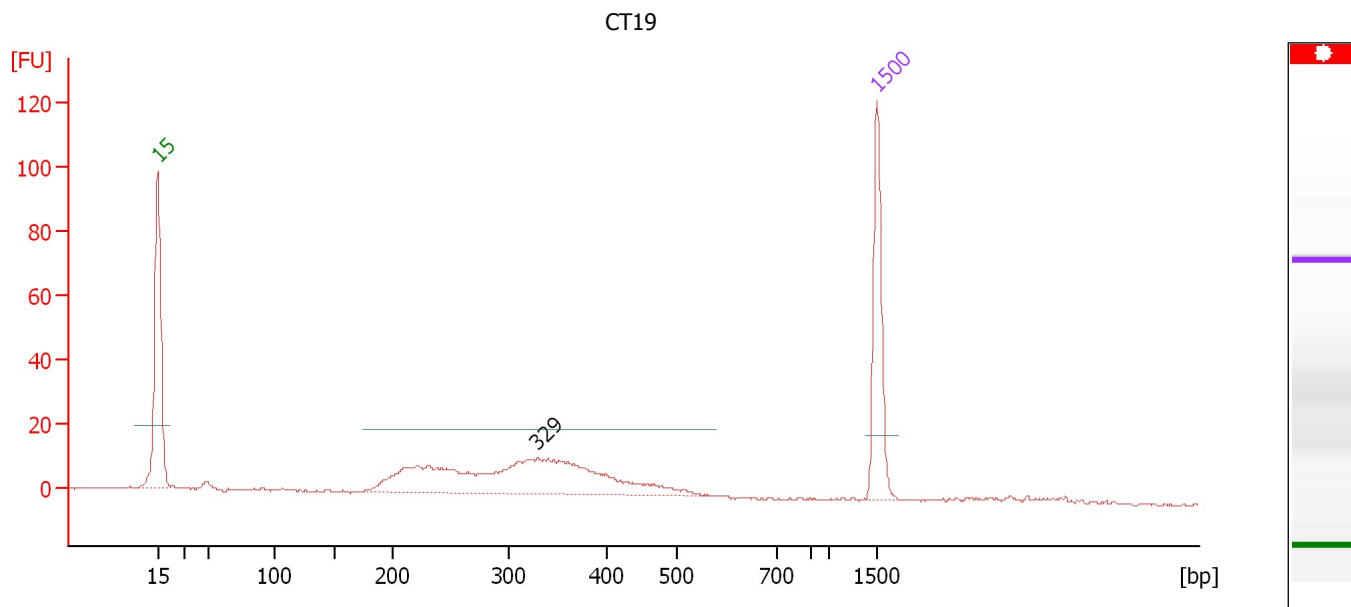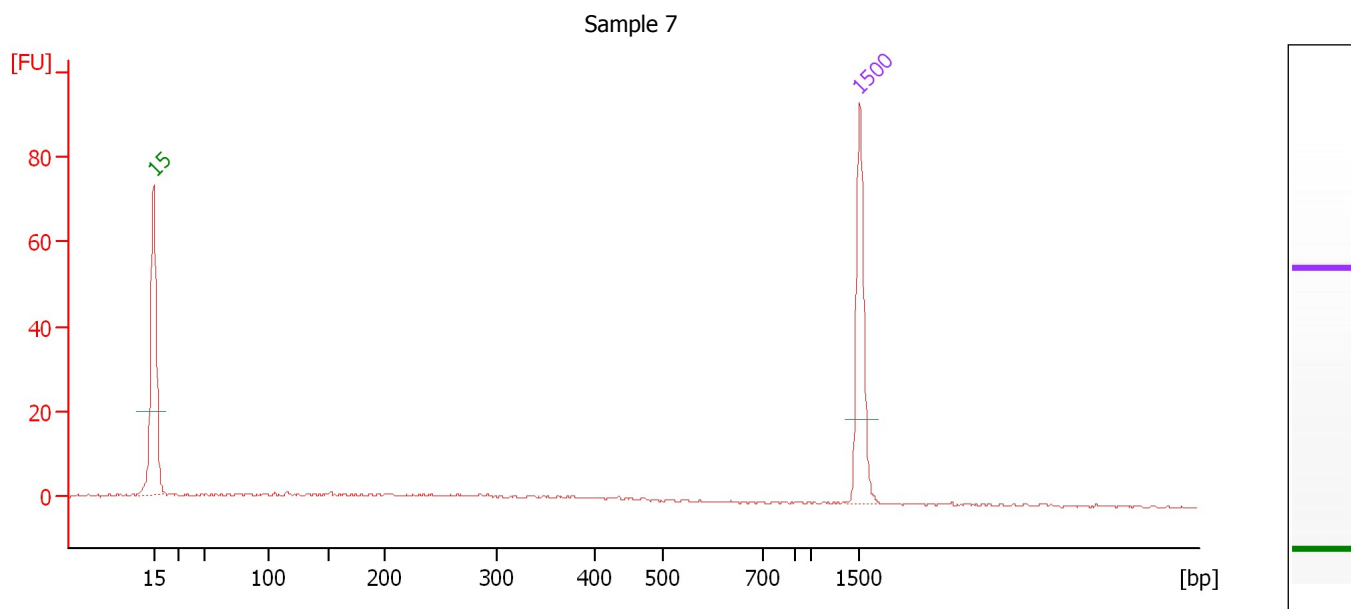
CT19

Overall Results for sample 6 :   CT19

Number of peaks found: 1

Peak table for sample 6 :   CT19

Peak		Size [bp]	Conc. [ng/µl]	Molarity [nmol/l]	Observations
1	◀	15	4,20	424,2	Lower Marker
2		329	5,15	23,7	
3	▶	1.500	2,10	2,1	Upper Marker

Assay Class: DNA 1000   Created: 06.09.2024 17:03:19
Data Path: C:\...-06\2100 expert_DNA 1000_DE72905120_2024-09-06_17-03-19.xad   Modified: 06.09.2024 17:49:11

Electropherogram Summary Continued ...

Sample 7

Overall Results for sample 7 :   Sample 7

Number of peaks found: 0

Peak table for sample 7 :   Sample 7

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

Assay Class: DNA 1000   Created: 06.09.2024 17:03:19
Data Path: C:\...-06\2100 expert_DNA 1000_DE72905120_2024-09-06_17-03-19.xad   Modified: 06.09.2024 17:49:11

Electropherogram Summary Continued ...
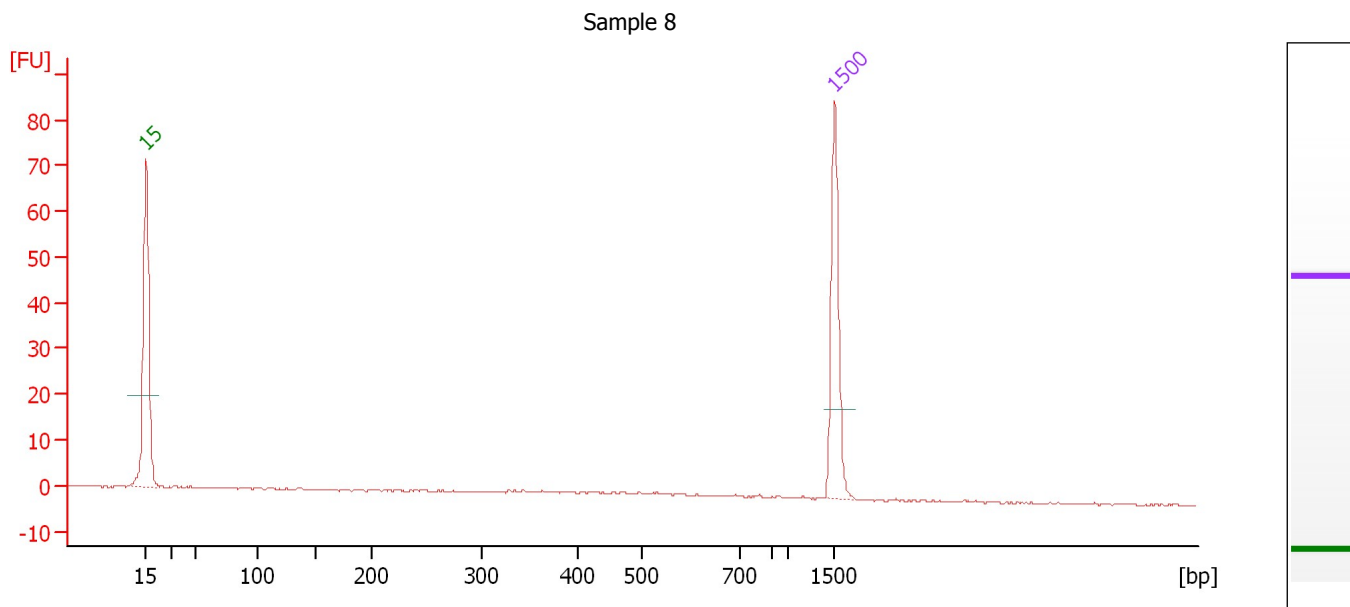
Sample 8

Overall Results for sample 8 :   Sample 8

Number of peaks found: 0

Peak table for sample 8 :   Sample 8

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

Assay Class: DNA 1000   Created: 06.09.2024 17:03:19
Data Path: C:\...-06\2100 expert_DNA 1000_DE72905120_2024-09-06_17-03-19.xad   Modified: 06.09.2024 17:49:11

Electropherogram Summary Continued ...
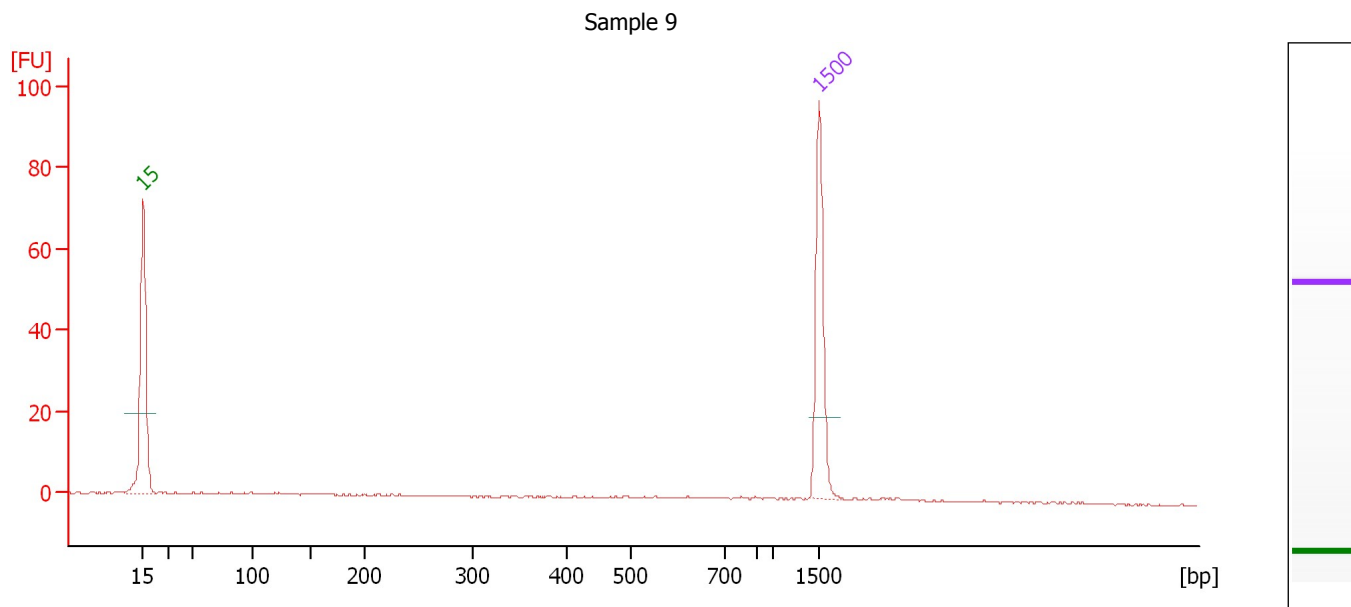
Sample 9

Overall Results for sample 9 :   Sample 9

Number of peaks found: 0

Peak table for sample 9 :   Sample 9

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

Assay Class: DNA 1000   Created: 06.09.2024 17:03:19
Data Path: C:\...-06\2100 expert_DNA 1000_DE72905120_2024-09-06_17-03-19.xad   Modified: 06.09.2024 17:49:11

Electropherogram Summary Continued ...
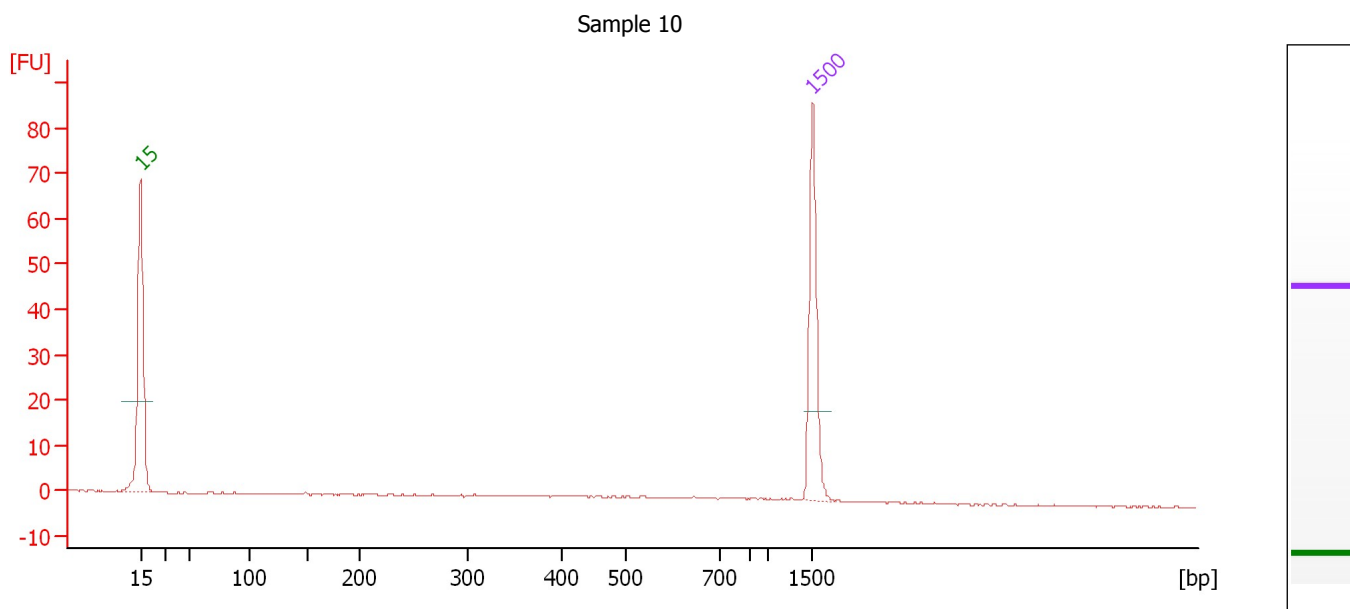
Sample 10

Overall Results for sample 10 :   Sample 10

Number of peaks found: 0

Peak table for sample 10 :   Sample 10

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

Electropherogram Summary Continued ...
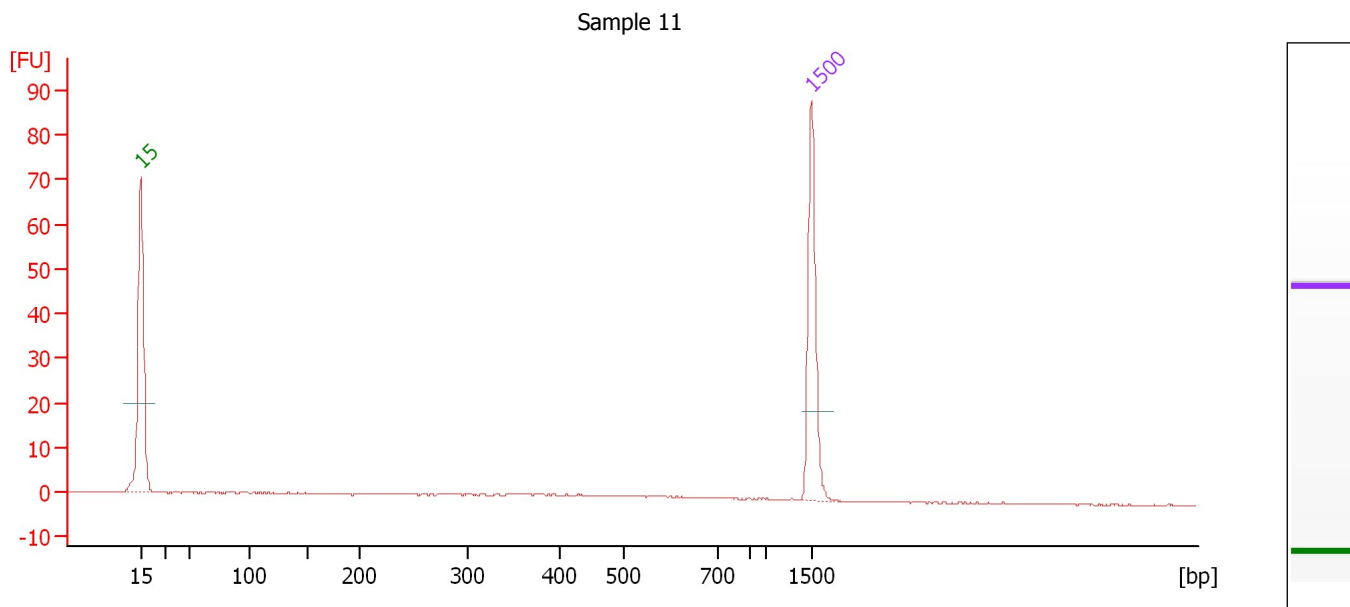
Sample 11

Overall Results for sample 11 :   Sample 11

Number of peaks found: 0

Peak table for sample 11 :   Sample 11

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

Assay Class: DNA 1000   Created: 06.09.2024 17:03:19
Data Path: C:\...-06\2100 expert_DNA 1000_DE72905120_2024-09-06_17-03-19.xad   Modified: 06.09.2024 17:49:11

Electropherogram Summary Continued ...
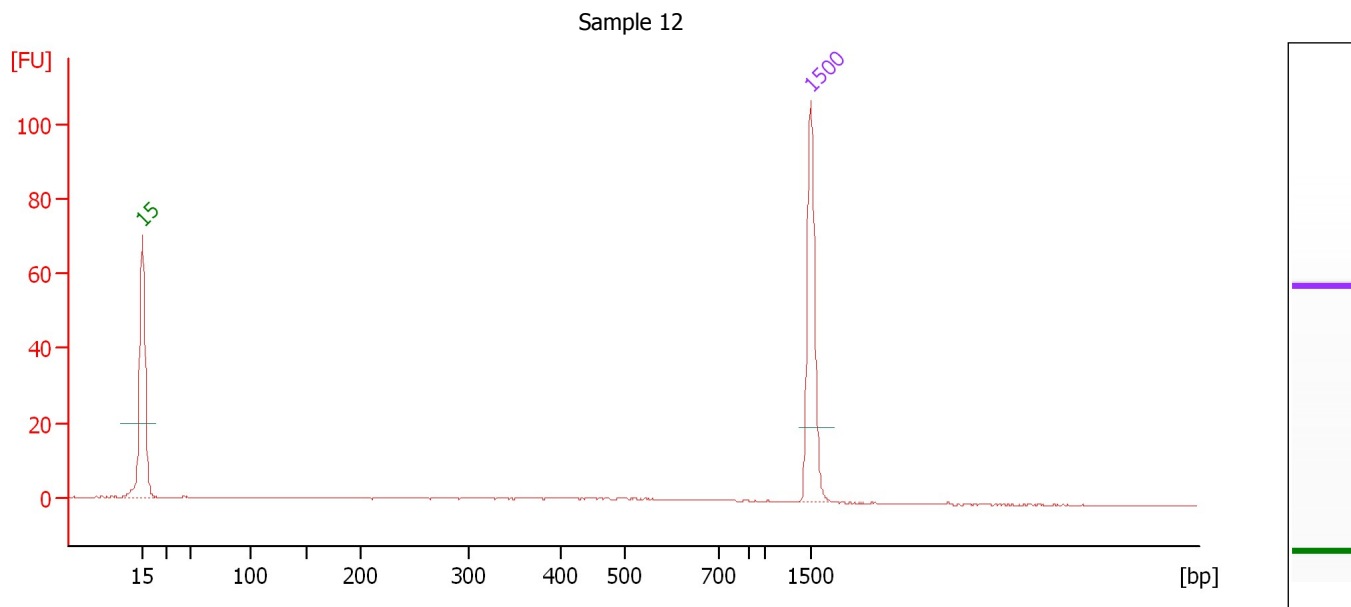
Sample 12

Overall Results for sample 12 :   Sample 12

Number of peaks found: 0

Peak table for sample 12 :   Sample 12

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

Assay Class: DNA 1000   Created: 06.09.2024 17:03:19
Data Path: C:\...-06\2100 expert_DNA 1000_DE72905120_2024-09-06_17-03-19.xad   Modified: 06.09.2024 17:49:11

Gel Image