

# Supplementary Data S2: PCR products of 5S-rRNA-NTS region separated by the Agilent 2100 Bioanalyzer and reporting the electropherograms of CA e CC accessions before and after digestion with *MseI* and *XhoII*.

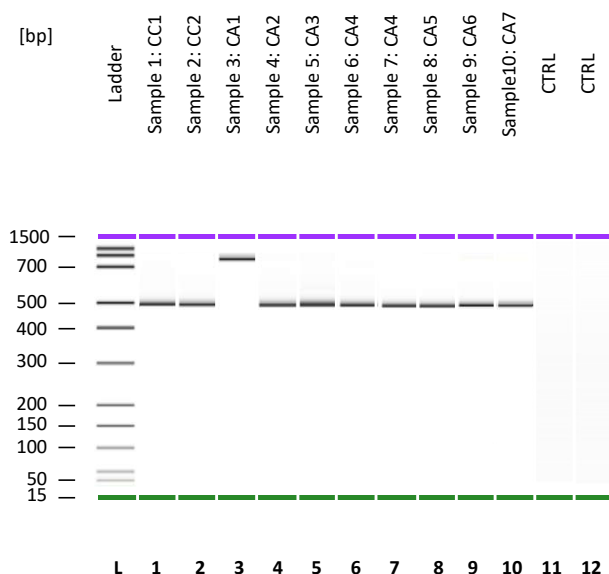
2100\_expert\_DNA 1000\_DE34903611\_2023-03-06\_1\_10.xad

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Assay Class: DNA 1000  
Data Path: C:\...-30\2100\_expert\_DNA 1000\_DE34903611\_2023-03-06\_NTS\_1\_10.xad

Created: 3/08/2023 8:30:21 AM  
Modified: 3/08/2023 8:30:21 AM

## Electrophoresis File Run Summary



### Instrument Information:

Instrument Name: DE34903611

Firmware: C.01.069

Serial #: DE34903611

Type: G2938C

### Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100\_expert\assays\dsDNA\DNA 1000 Series II.xsy

Assay Class: DNA 1000

Version: 2.3

Assay Comments: DNA Analysis 2 - 1000 bp

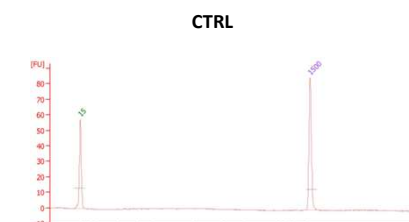
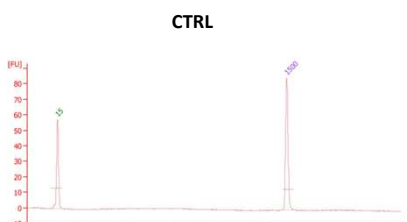
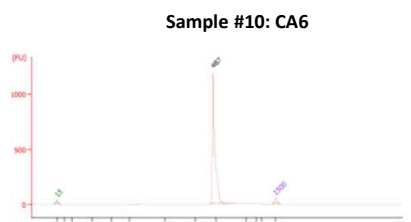
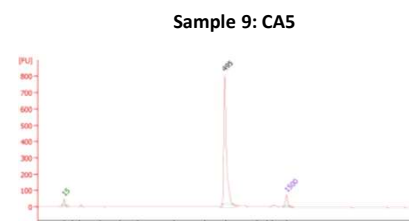
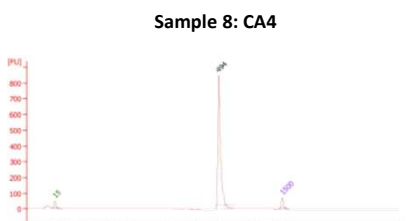
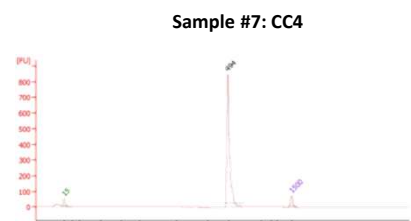
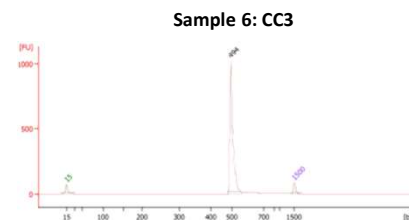
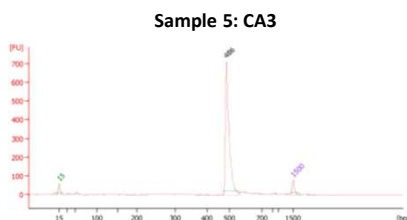
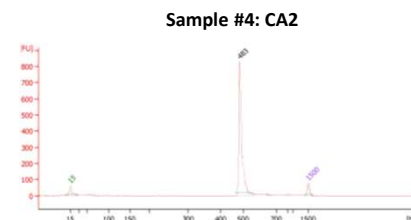
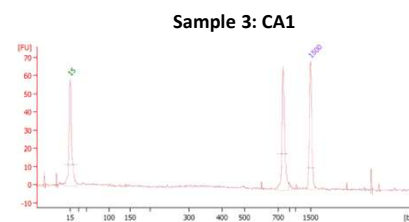
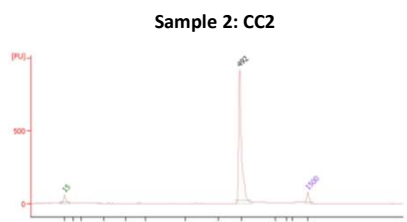
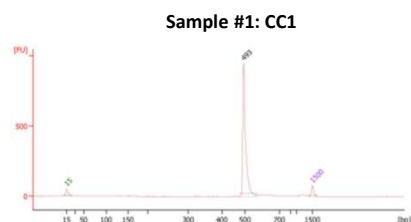
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### Chip Information:

Chip Lot #:

Reagent Kit Lot #:

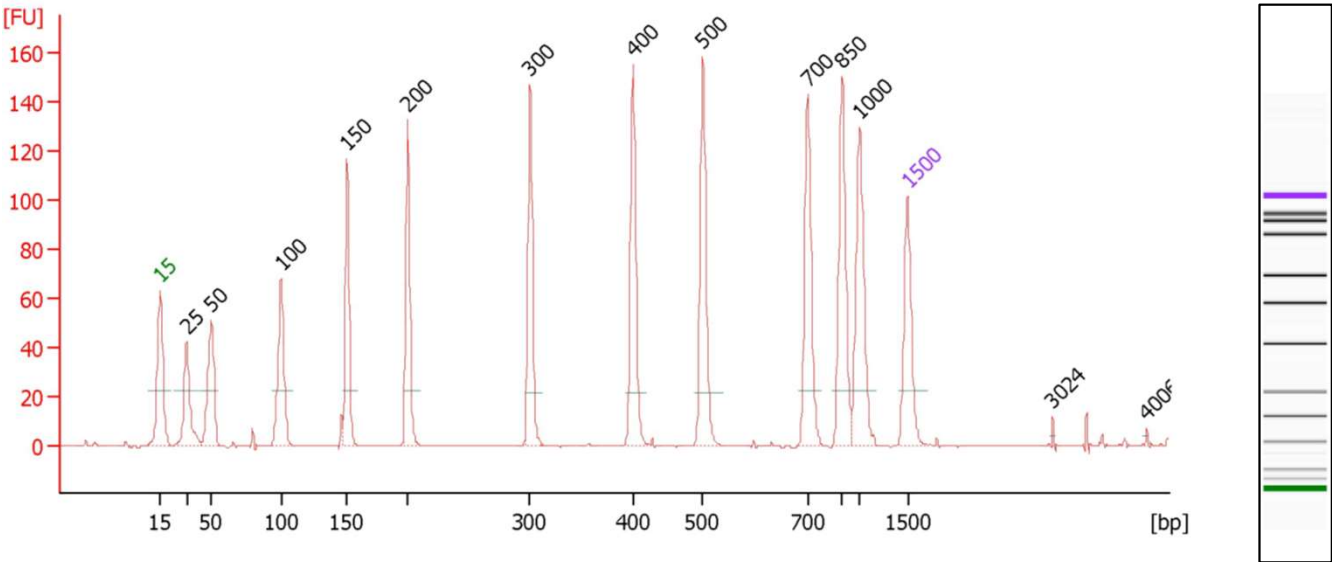
Chip Comments:



Assay Class: DNA 1000  
Data Path: C:\...-30\2100\_expert\_DNA 1000\_DE34903611\_2023-03-06\_NTS\_1\_10.xad

Created: 3/08/2023 8:30:21 AM  
Modified: 3/08/2023 8:30:21 AM

Electrophoresis File Run Summary



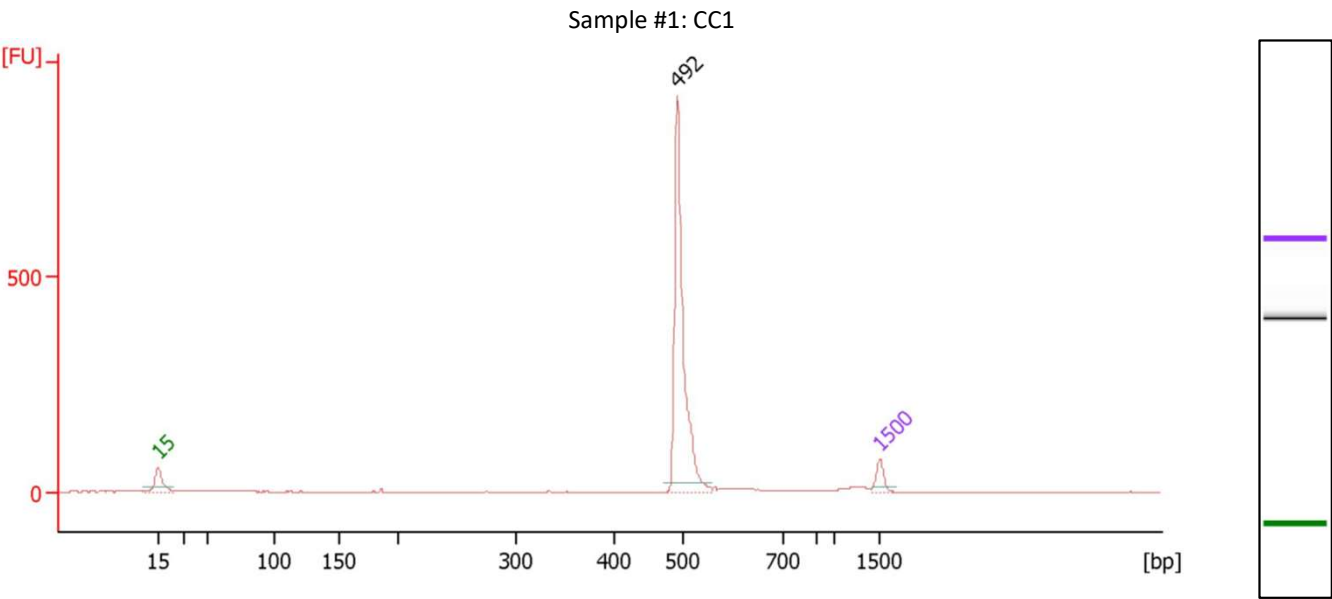
Peak table for Ladder :

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	4.4.2	Lower Marker
2	25	4.00	242.4	Ladder Peak
3	50	4.00	121.2	Ladder Peak
4	100	4.00	60.6	Ladder Peak
5	150	4.00	40.3	Ladder Peak
6	200	4.00	30.3	Ladder Peak
7	300	4.00	20.2	Ladder Peak
8	400	4.00	15.2	Ladder Peak
9	500	4.00	12.1	Ladder Peak
10	700	4.00	8.7	Ladder Peak
11	850	4.00	7.1	Ladder Peak
12	1,000	4.00	6.1	Ladder Peak
13	1,500	2.10	2.1	Upper Marker
14	3,024	0.00	0.00	
15	4,006	0.00	0.00	

Assay Class: DNA 1000  
Data Path: C:\...-30\2100\_expert\_DNA 1000\_DE34903611\_2023-03-06\_NTS\_1\_10.xad

Created: 3/08/2023 8:30:21 AM  
Modified: 3/08/2023 8:30:21 AM

Electrophoresis File Run Summary



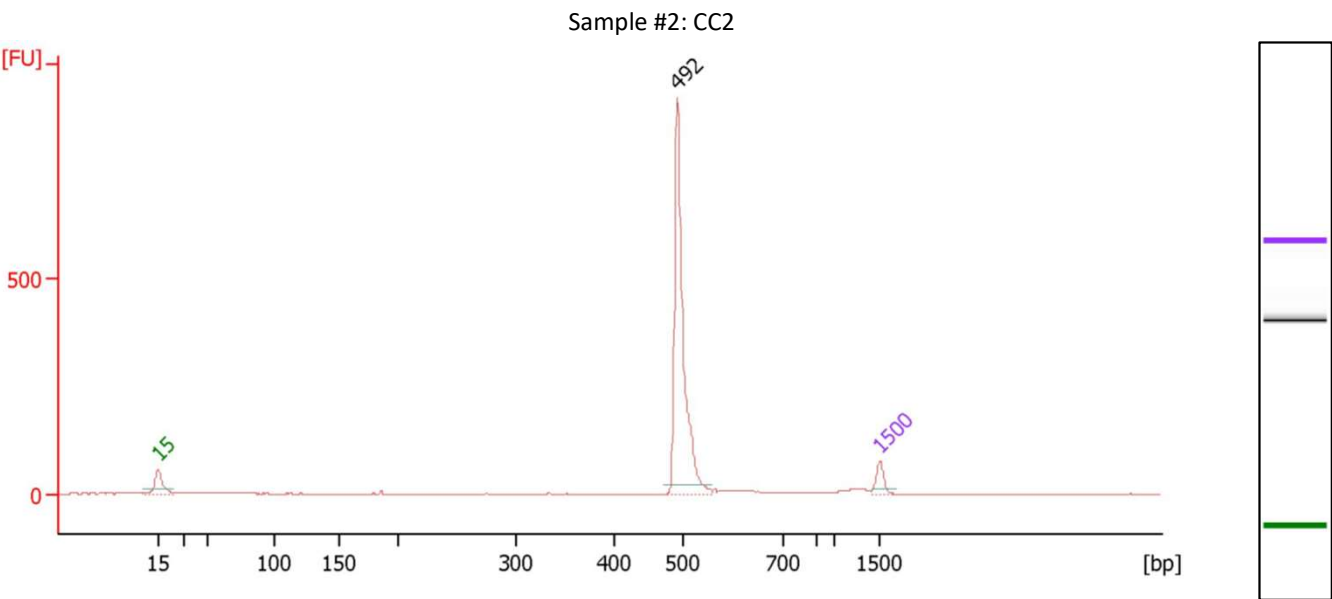
Peak table for Sample #1 :

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.4	Lower Marker
2	492	33.52	103.2	Ladder Peak
3	1,500	2.10	2.2	Upper Marker

Assay Class: DNA 1000  
Data Path: C:\...-30\2100\_expert\_DNA 1000\_DE34903611\_2023-03-06\_NTS\_1\_10.xad

Created: 3/08/2023 8:30:21 AM  
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Electrophoresis File Run Summary



Peak table for Sample #2 :

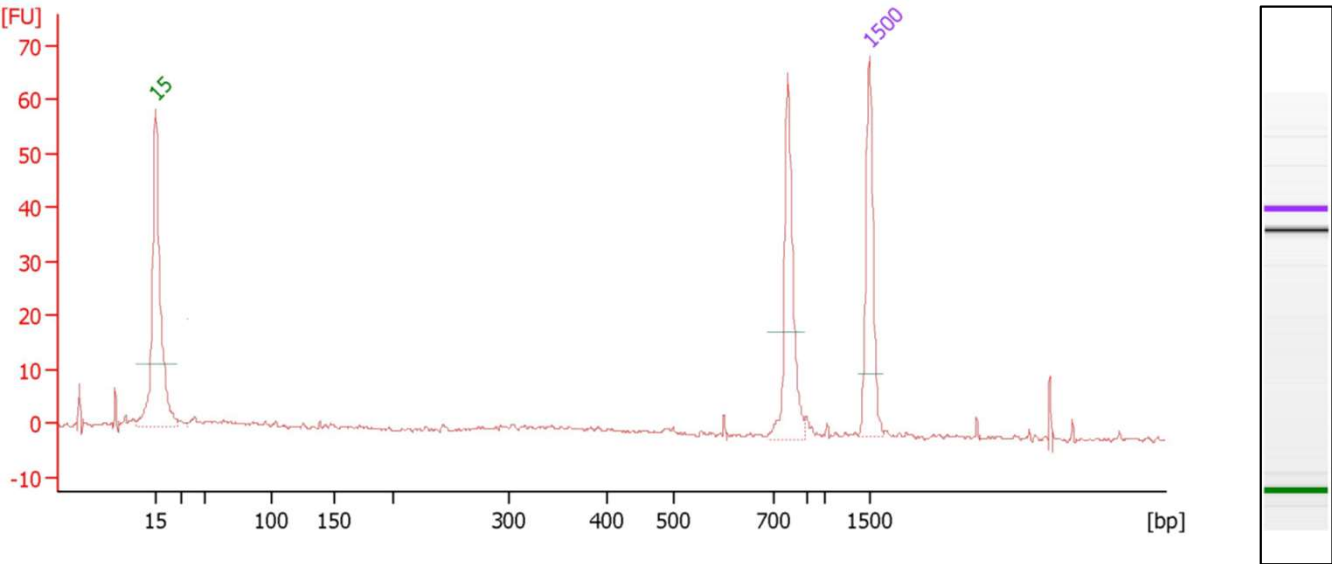
Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.4	Lower Marker
2	492	33.52	103.2	Ladder Peak
3	1,500	2.10	2.2	Upper Marker

Assay Class: DNA 1000  
Data Path: C:\...-30\2100 expert\_DNA 1000\_DE34903611\_2023-03-06\_NTS\_1\_10.xad

Created: 3/08/2023 8:30:21 AM  
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Electrophoresis File Run Summary

Sample #3: CA1



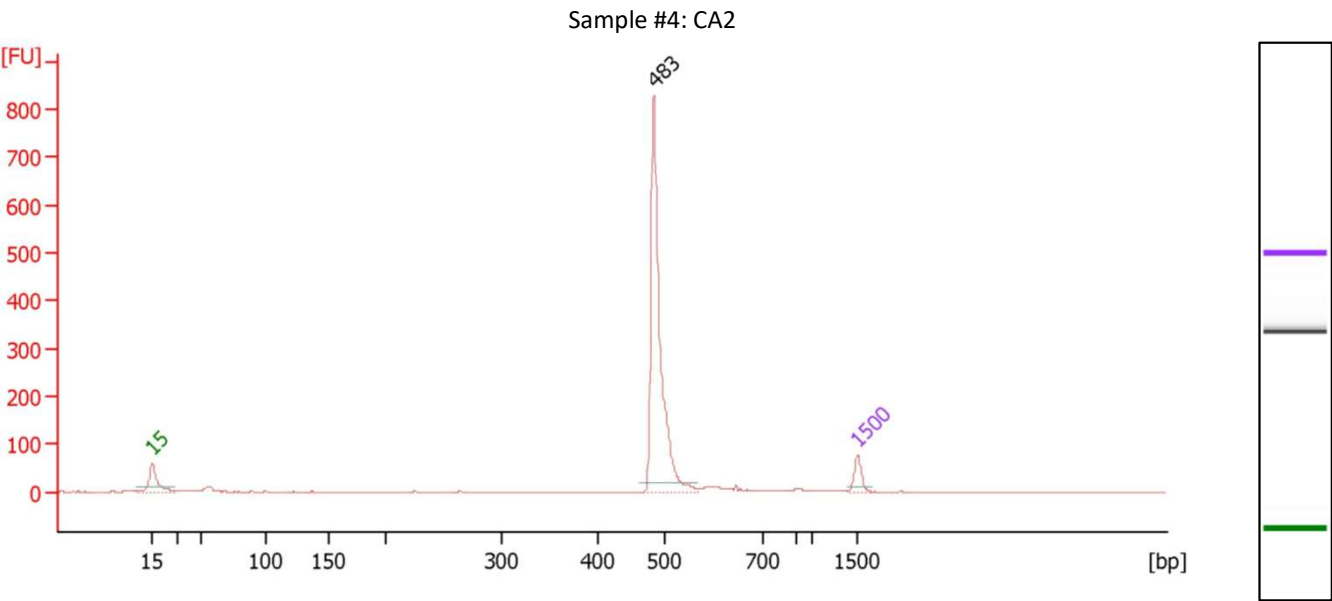
Peak table for Sample #3 :

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.4	Lower Marker
2	725	35.91	110.3	Ladder Peak
3	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000  
Data Path: C:\...-30\2100 expert\_DNA 1000\_DE34903611\_2023-03-06\_NTS\_1\_10.xad

Created: 3/08/2023 8:30:21 AM  
Modified: 3/08/2023 8:30:21 AM

Electrophoresis File Run Summary



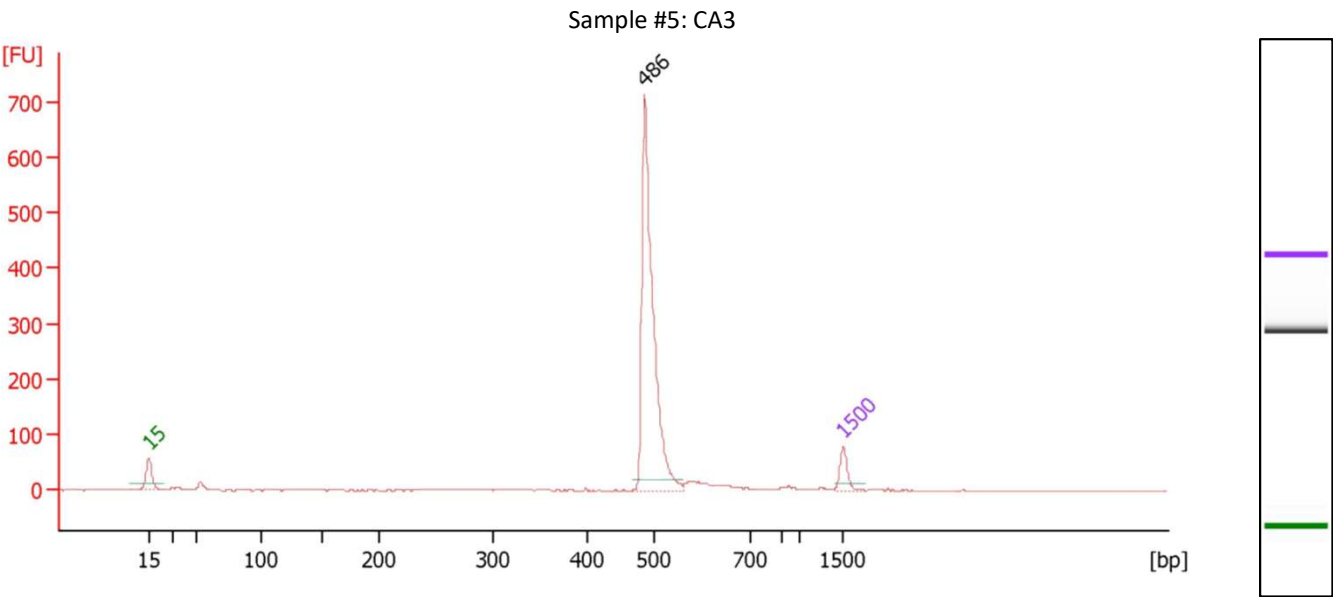
Peak table for Sample #4 :

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	483	32.87	102.4	Ladder Peak
3	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000  
Data Path: C:\...-30\2100\_expert\_DNA 1000\_DE34903611\_2023-03-06\_NTS\_1\_10.xad

Created: 3/08/2023 8:30:21 AM  
Modified: 3/08/2023 8:30:21 AM

Electrophoresis File Run Summary



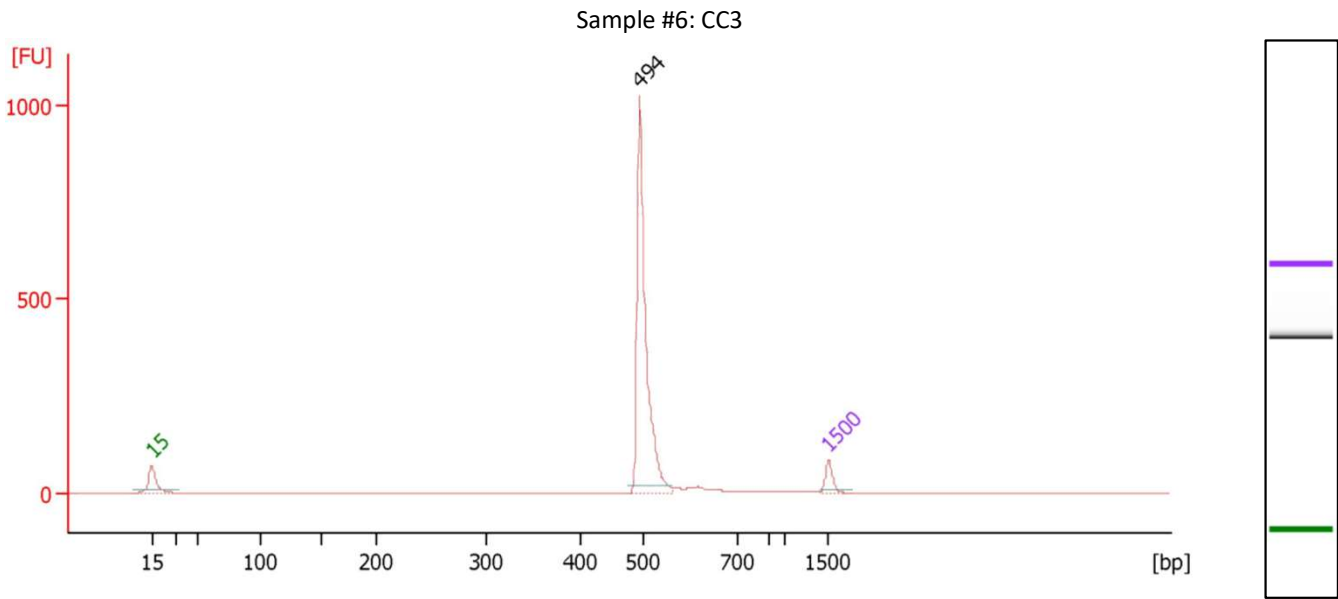
Peak table for Sample #5 :

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	486	32.87	102.4	Ladder Peak
3	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000  
Data Path: C:\...-30\2100\_expert\_DNA 1000\_DE34903611\_2023-03-06\_NTS\_1\_10.xad

Created: 3/08/2023 8:30:21 AM  
Modified: 3/08/2023 8:30:21 AM

Electrophoresis File Run Summary



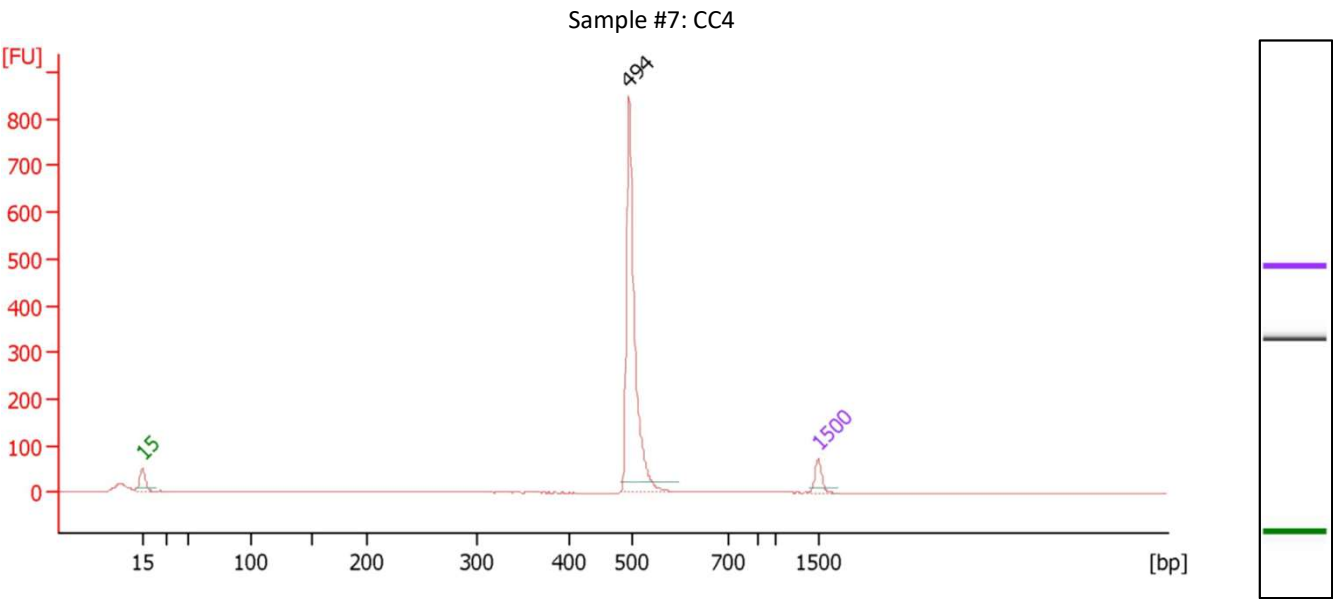
Peak table for Sample #6 :

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	494	34.19	104.9	Ladder Peak
3	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000  
Data Path: C:\...-30\2100\_expert\_DNA 1000\_DE34903611\_2023-03-06\_NTS\_1\_10.xad

Created: 3/08/2023 8:30:21 AM  
Modified: 3/08/2023 8:30:21 AM

Electrophoresis File Run Summary



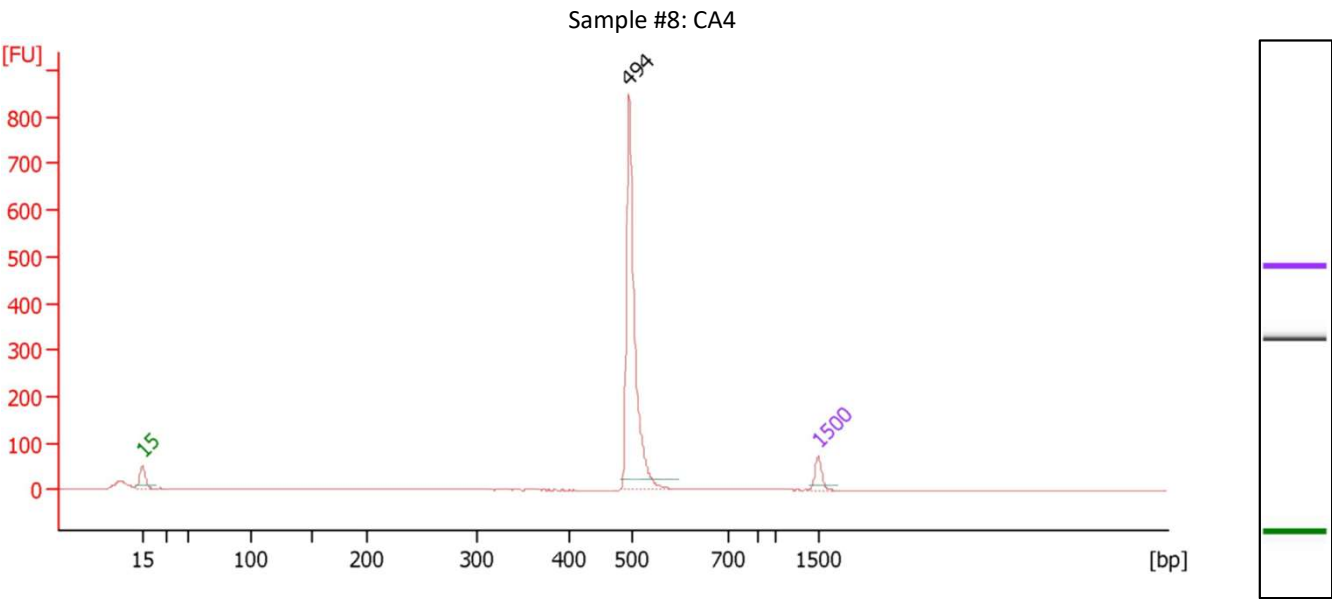
Peak table for Sample #7 :

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.4	Lower Marker
2	494	33.90	104.0	Ladder Peak
3	1,500	2.10	2.2	Upper Marker

Assay Class: DNA 1000  
Data Path: C:\...-30\2100\_expert\_DNA 1000\_DE34903611\_2023-03-06\_NTS\_1\_10.xad

Created: 3/08/2023 8:30:21 AM  
Modified: 3/08/2023 8:30:21 AM

Electrophoresis File Run Summary



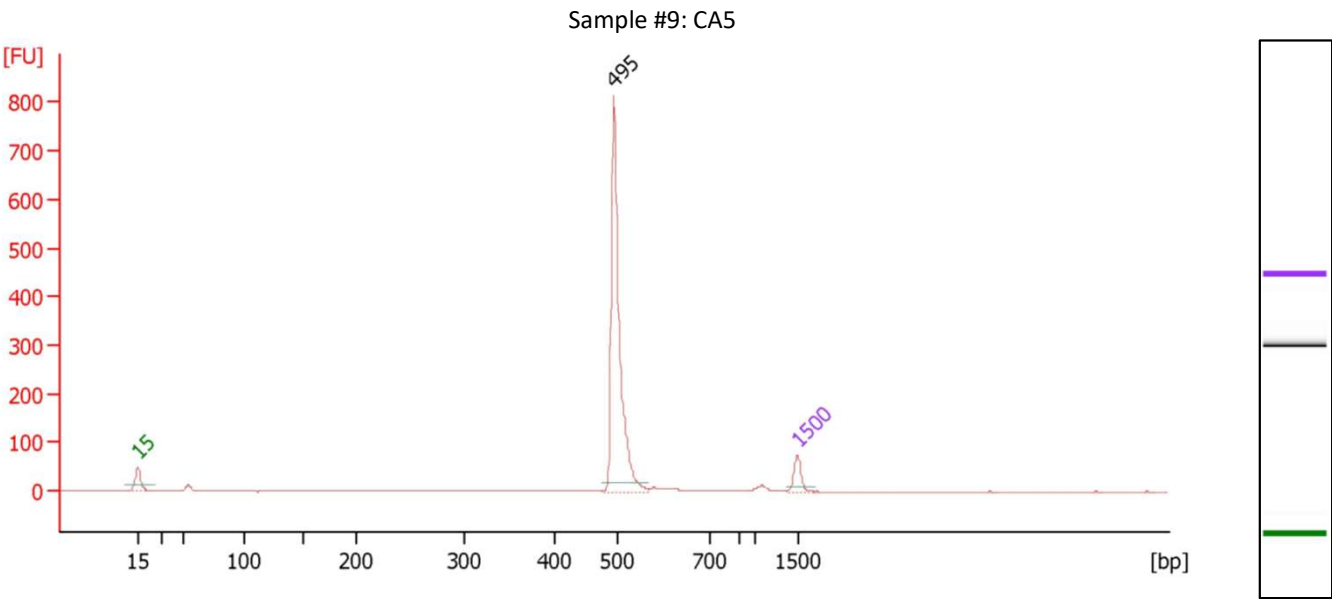
Peak table for Sample #8 :

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.4	Lower Marker
2	494	33.90	104.0	Ladder Peak
3	1,500	2.10	2.2	Upper Marker

Assay Class: DNA 1000  
Data Path: C:\...-30\2100\_expert\_DNA 1000\_DE34903611\_2023-03-06\_NTS\_1\_10.xad

Created: 3/08/2023 8:30:21 AM  
Modified: 3/08/2023 8:30:21 AM

Electrophoresis File Run Summary



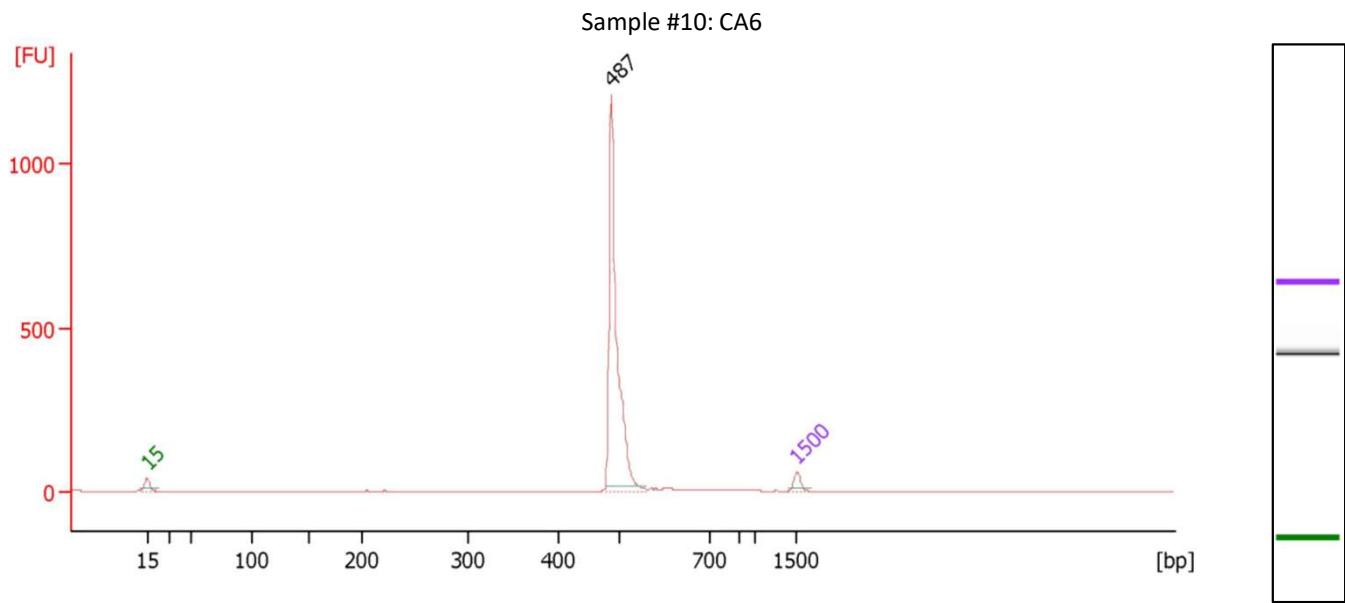
Peak table for Sample #9 :

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.4	Lower Marker
2	495	29.43	90.1	Ladder Peak
3	1,500	2.10	2.2	Upper Marker

Assay Class: DNA 1000  
Data Path: C:\...-30\2100 expert\_DNA 1000\_DE34903611\_2023-03-06\_NTS\_1\_10.xad

Created: 3/08/2023 8:30:21 AM  
Modified: 3/08/2023 8:30:21 AM

Electrophoresis File Run Summary



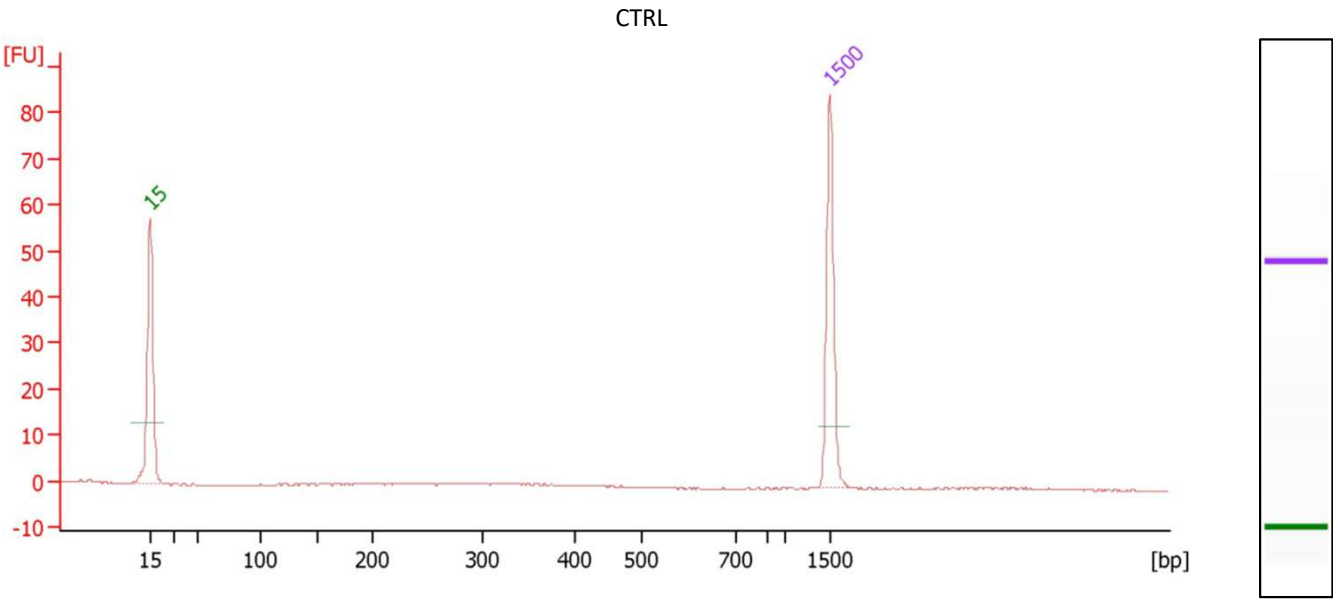
Peak table for Sample #10 :

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.4	Lower Marker
2	487	55.17	171.6	Ladder Peak
3	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000  
Data Path: C:\...-30\2100\_expert\_DNA 1000\_DE34903611\_2023-03-06\_NTS\_1\_10.xad

Created: 3/08/2023 8:30:21 AM  
Modified: 3/08/2023 8:30:21 AM

Electrophoresis File Run Summary



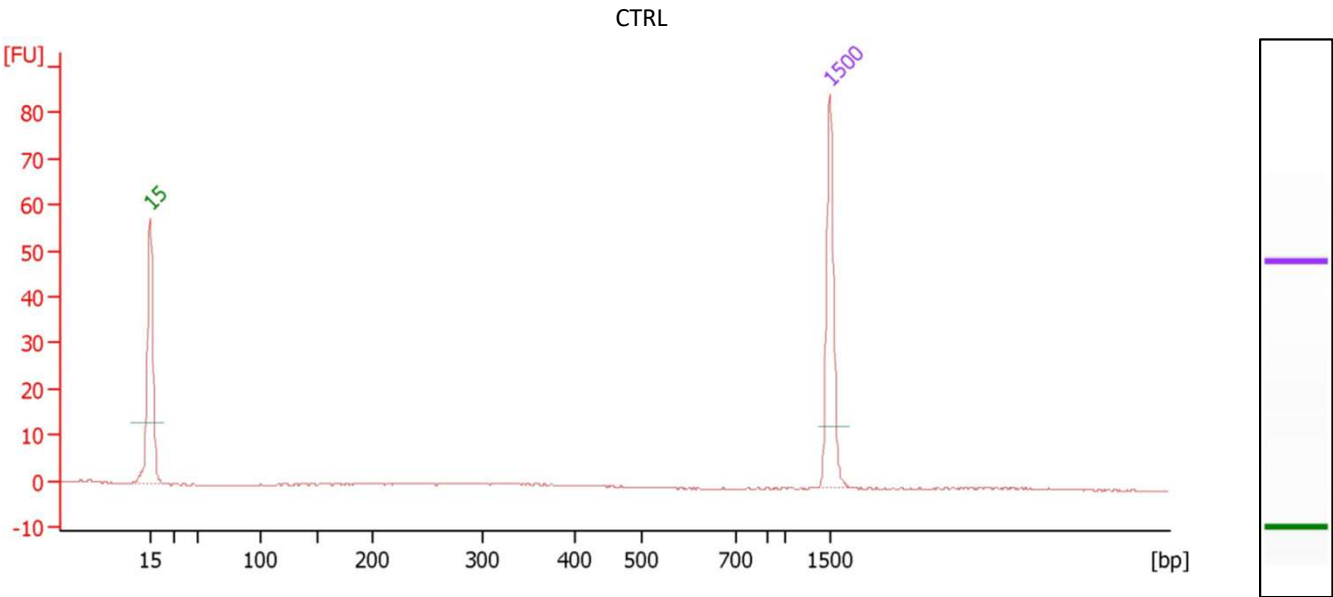
Peak table for Sample CTRL :

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.4	Lower Marker
2	1,500	2.10	2.2	Upper Marker

Assay Class: DNA 1000  
Data Path: C:\...-30\2100\_expert\_DNA 1000\_DE34903611\_2023-03-06\_NTS\_1\_10.xad

Created: 3/08/2023 8:30:21 AM  
Modified: 3/08/2023 8:30:21 AM

Electrophoresis File Run Summary



Peak table for Sample CTRL :

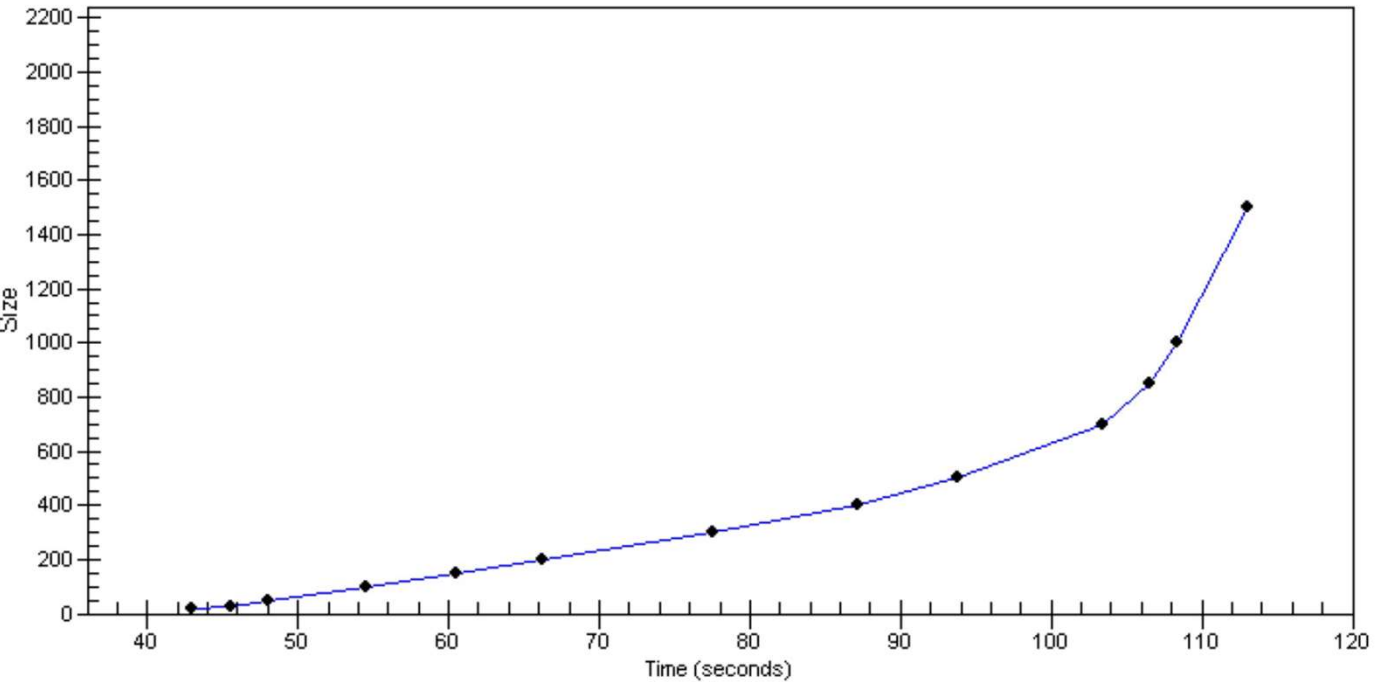
Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.4	Lower Marker
2	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000  
Data Path: C:\...-30\2100\_expert\_DNA 1000\_DE34903611\_2023-03-06\_NTS\_1\_10.xad

Created: 3/08/2023 8:30:21 AM  
Modified: 3/08/2023 8:30:21 AM

Curves

Standard Curve



Assay Class: DNA 1000  
Data Path: C:\...-30\2100\_expert\_DNA\_1000\_DE34903611\_2023-03-06\_NTS\_1\_10.xad

Created: 3/08/2023 8:30:21 AM  
Modified: 3/08/2023 8:30:21 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Content	Rest. Digest	Status	Observation	Result Label	Result Color
Sample #1		<input type="checkbox"/>	✓			
Sample #2		<input type="checkbox"/>	✓			
Sample #3		<input type="checkbox"/>	✓			
Sample #4		<input type="checkbox"/>	✓			
Sample #5		<input type="checkbox"/>	✓			
Sample #6		<input type="checkbox"/>	✓			
Sample #7		<input type="checkbox"/>	✓			
Sample #8		<input type="checkbox"/>	✓			
Sample #9		<input type="checkbox"/>	✓			
Sample #10		<input type="checkbox"/>	✓			
CTRL		<input type="checkbox"/>	✓			
CTRL		<input type="checkbox"/>	✓			

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: DNA 1000  
Data Path: C:\...-30\2100\_expert\_DNA\_1000\_DE34903611\_2023-03-06\_NTS\_1\_10.xad

Created: 3/08/2023 8:30:21 AM  
Modified: 3/08/2023 8:30:21 AM

Electrophoresis Assay Details

General Analysis Settings	Result Label	Result Color
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

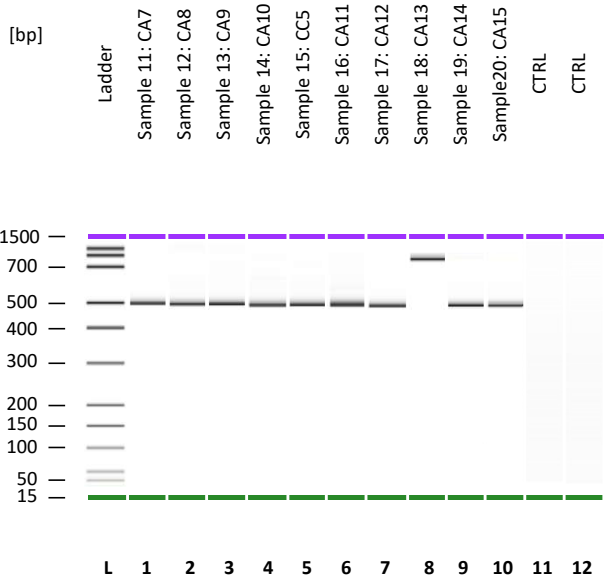
Ladder

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:\...-30\2100 expert\_DNA 1000\_DE34903611\_2023-03-06\_NTS\_11\_20.xad

Created: 3/08/2023 11:25:12 AM  
Modified: 3/08/2023 11:25:12 AM

Electrophoresis File Run Summary



Instrument Information:

Instrument Name: DE34903611  
Serial #: DE34903611  
Firmware: C.01.069  
Type: G2938C

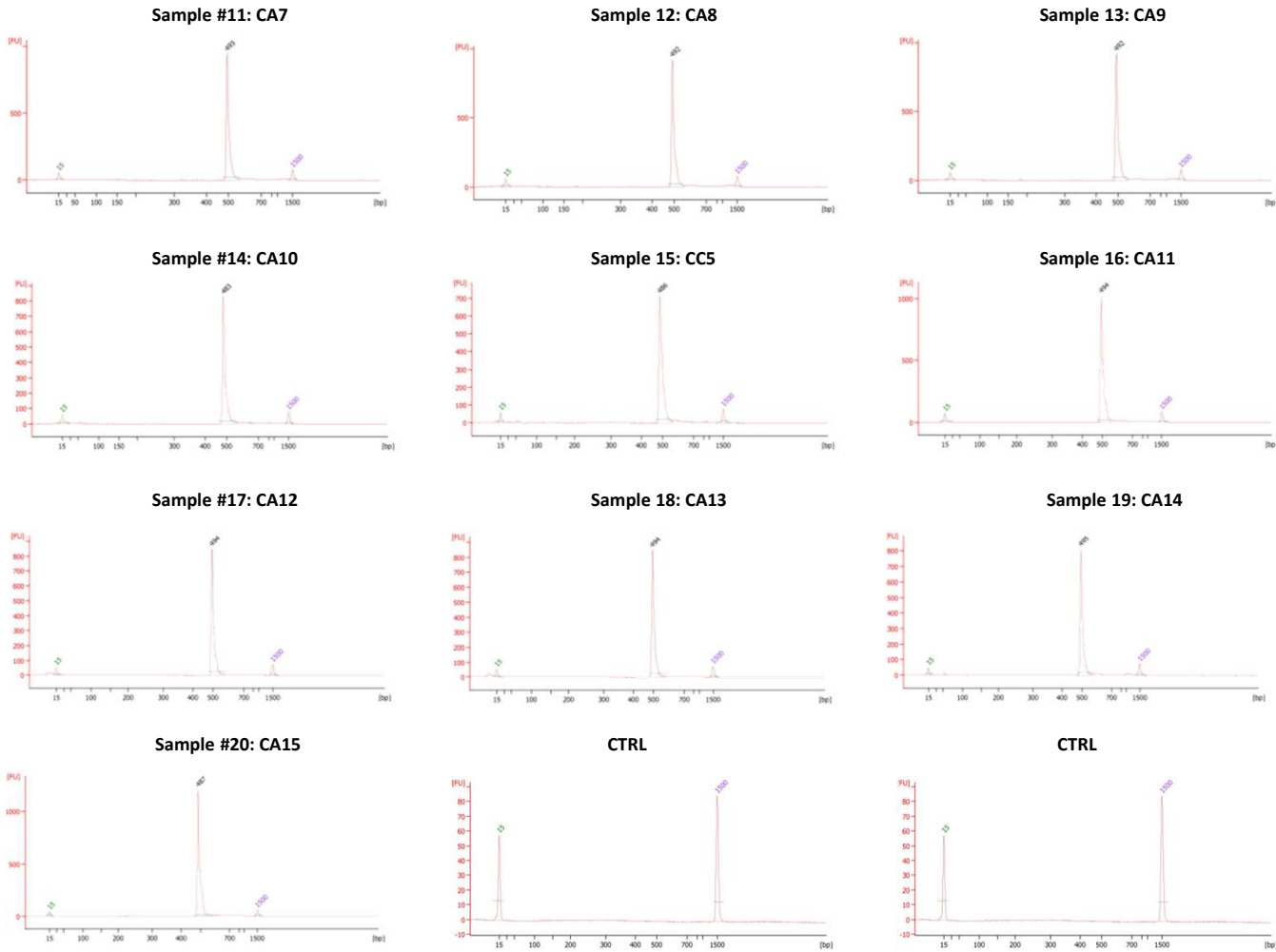
Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\dsDNA\DNA 1000 Series II.xsy  
Assay Class: DNA 1000  
Version: 2.3  
Assay Comments: DNA Analysis 2 - 1000 bp

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Chip Information:

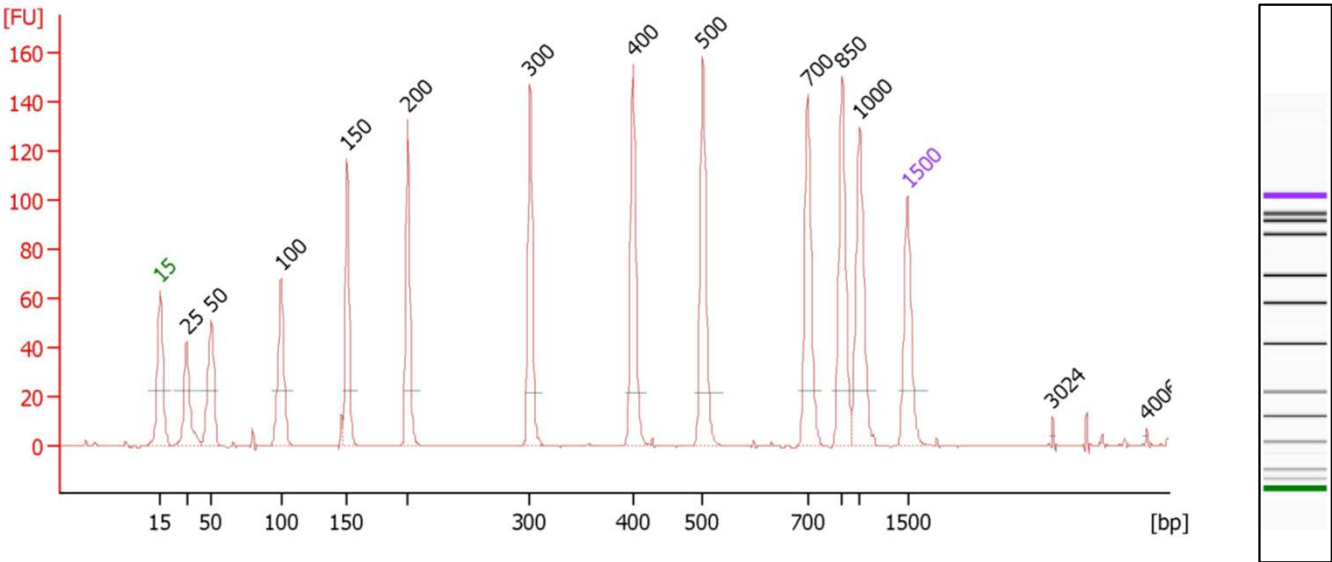
Chip Lot #:  
Reagent Kit Lot #:  
Chip Comments:



Assay Class: DNA 1000  
Data Path: C:\...-30\2100\_expert\_DNA 1000\_DE34903611\_2023-03-06\_NTS\_11\_20.xad

Created: 3/08/2023 11:25:12 AM  
Modified: 3/08/2023 11:25:12 AM

Electrophoresis File Run Summary



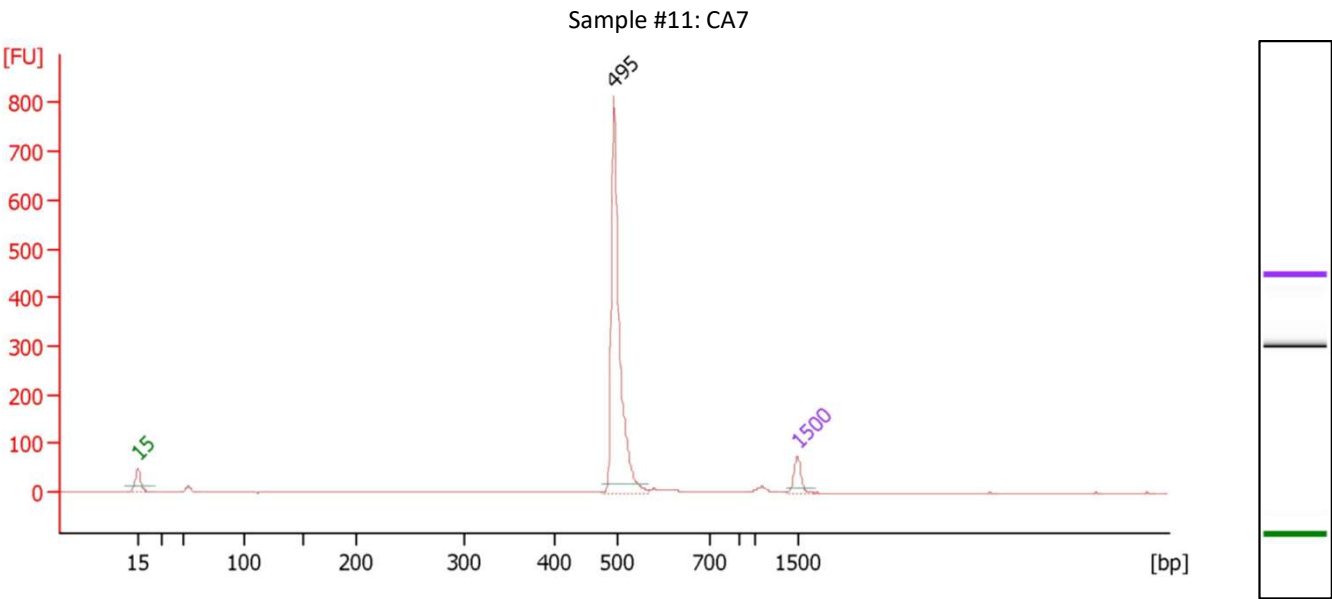
Peak table for Ladder :

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	4.4.2	Lower Marker
2	25	4.00	242.4	Ladder Peak
3	50	4.00	121.2	Ladder Peak
4	100	4.00	60.6	Ladder Peak
5	150	4.00	40.3	Ladder Peak
6	200	4.00	30.3	Ladder Peak
7	300	4.00	20.2	Ladder Peak
8	400	4.00	15.2	Ladder Peak
9	500	4.00	12.1	Ladder Peak
10	700	4.00	8.7	Ladder Peak
11	850	4.00	7.1	Ladder Peak
12	1,000	4.00	6.1	Ladder Peak
13	1,500	2.10	2.1	Upper Marker
14	3,024	0.00	0.00	
15	4,006	0.00	0.00	

Assay Class: DNA 1000  
Data Path: C:\...-30\2100\_expert\_DNA 1000\_DE34903611\_2023-03-06\_NTS\_11\_20.xad

Created: 3/08/2023 11:25:12 AM  
Modified: 3/08/2023 11:25:12 AM

Electrophoresis File Run Summary



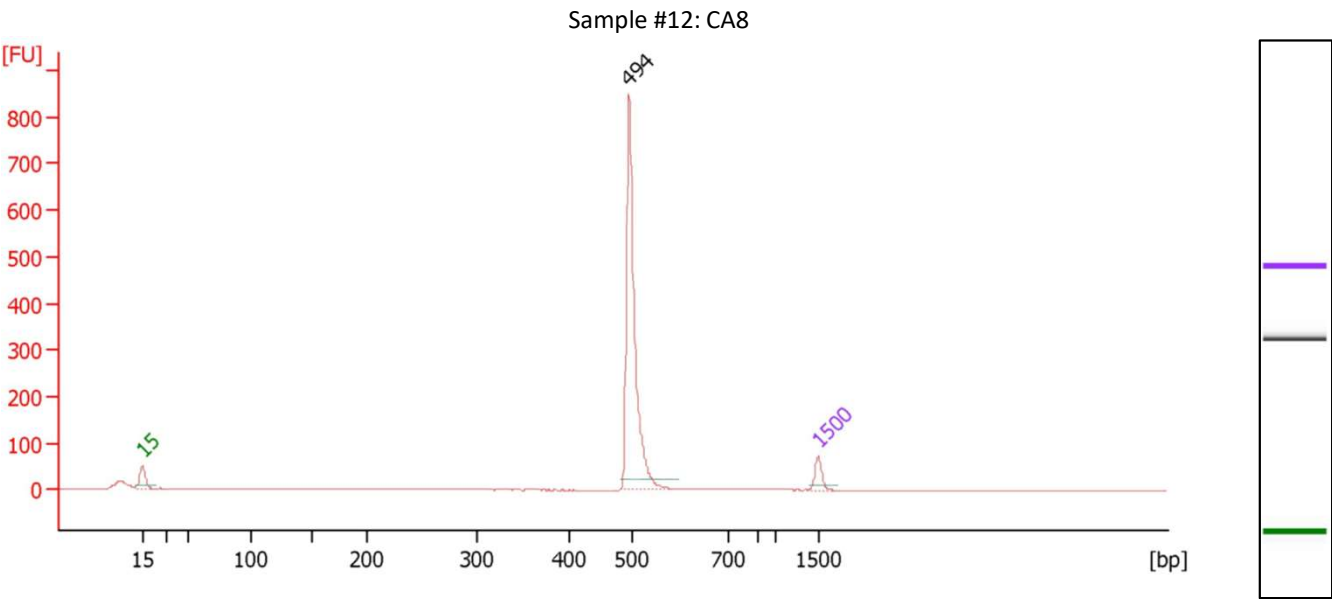
Peak table for Sample #11 :

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.4	Lower Marker
2	495	22.23	40.1	Ladder Peak
3	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000  
Data Path: C:\...-30\2100\_expert\_DNA 1000\_DE34903611\_2023-03-06\_NTS\_11\_20.xad

Created: 3/08/2023 11:25:12 AM  
Modified: 3/08/2023 11:25:12 AM

Electrophoresis File Run Summary



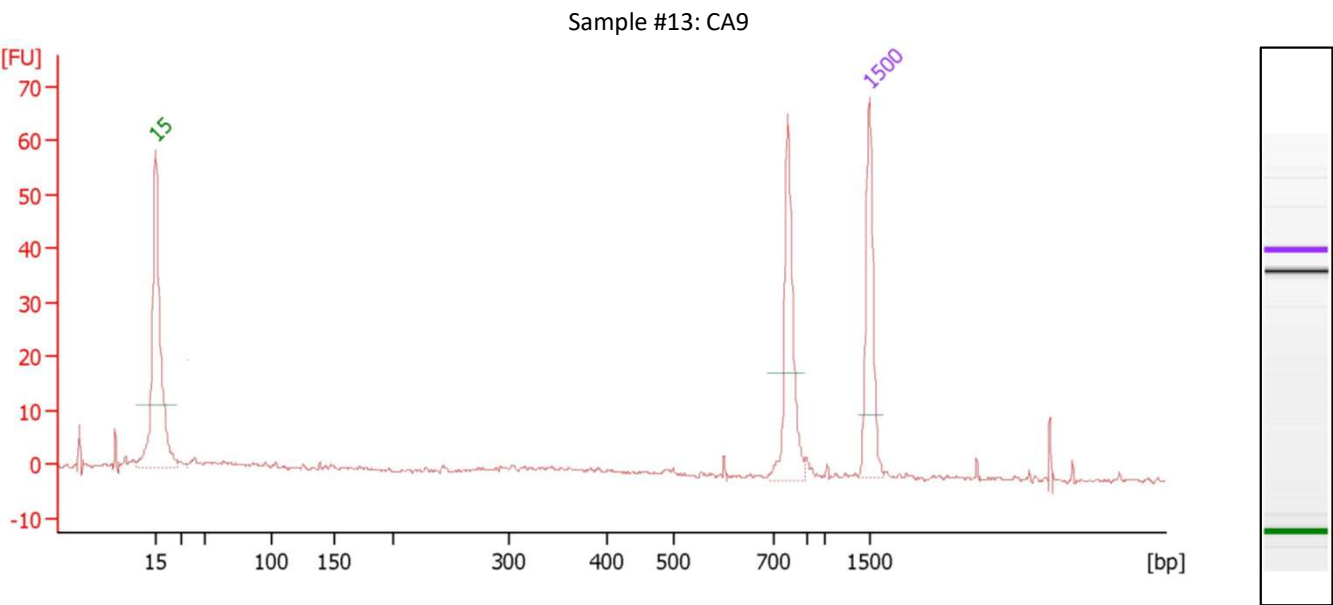
Peak table for Sample #12 :

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.4	Lower Marker
2	494	35.70	94.0	Ladder Peak
3	1,500	2.10	2.2	Upper Marker

Assay Class: DNA 1000  
Data Path: C:\...-30\2100\_expert\_DNA 1000\_DE34903611\_2023-03-06\_NTS\_11\_20.xad

Created: 3/08/2023 11:25:12 AM  
Modified: 3/08/2023 11:25:12 AM

Electrophoresis File Run Summary



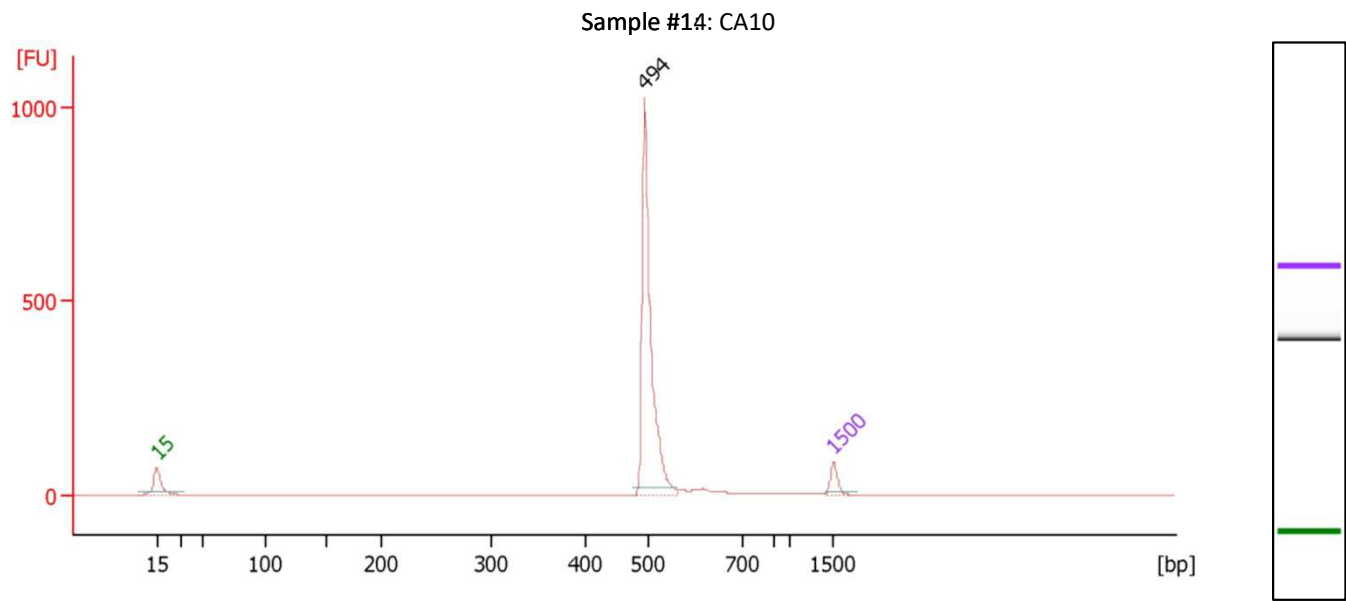
Peak table for Sample #13 :

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.4	Lower Marker
2	725	5.91	10.3	Ladder Peak
3	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000  
Data Path: C:\...-30\2100\_expert\_DNA 1000\_DE34903611\_2023-03-06\_NTS\_11\_20.xad

Created: 3/08/2023 11:25:12 AM  
Modified: 3/08/2023 11:25:12 AM

Electrophoresis File Run Summary



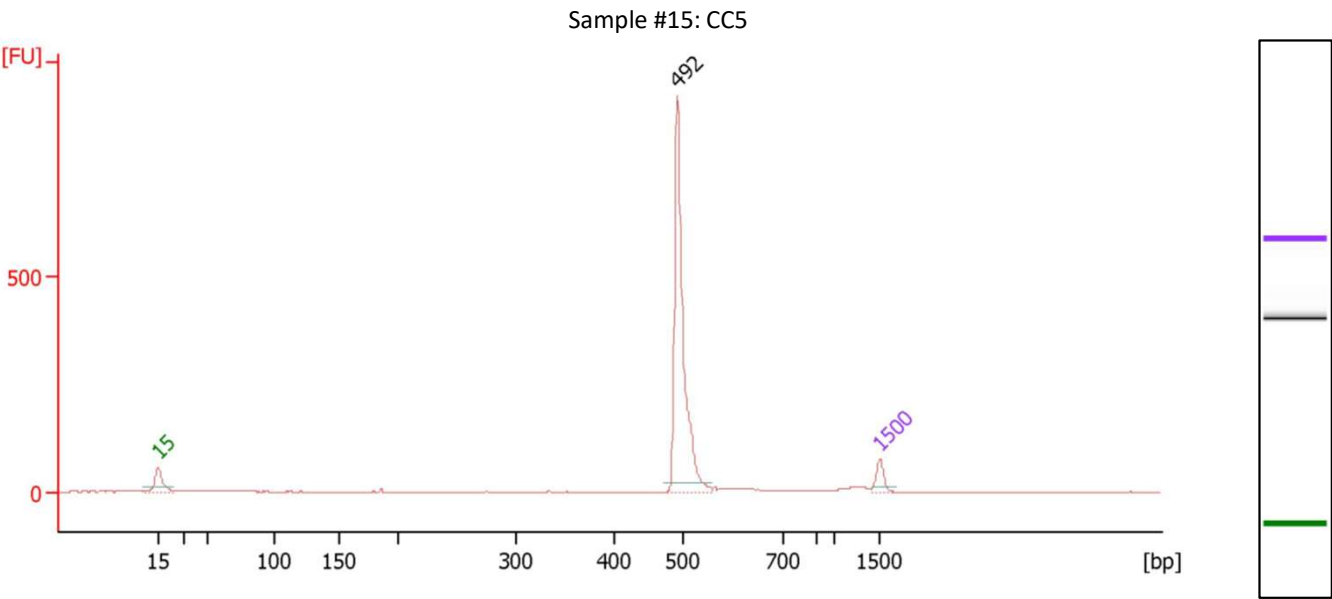
Peak table for Sample #14 :

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	494	24.19	91.9	Ladder Peak
3	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000  
Data Path: C:\...-30\2100\_expert\_DNA 1000\_DE34903611\_2023-03-06\_NTS\_11\_20.xad

Created: 3/08/2023 11:25:12 AM  
Modified: 3/08/2023 11:25:12 AM

Electrophoresis File Run Summary



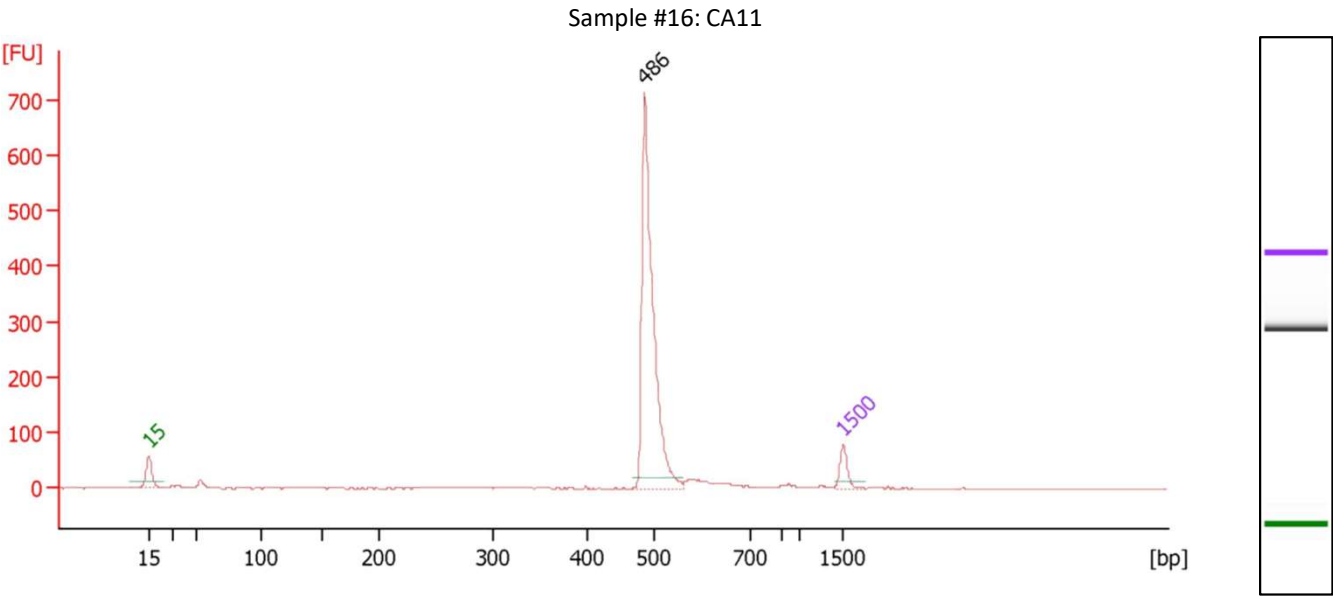
Peak table for Sample #15 :

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.4	Lower Marker
2	492	31.20	80.5	Ladder Peak
3	1,500	2.10	2.2	Upper Marker

Assay Class: DNA 1000  
Data Path: C:\...-30\2100\_expert\_DNA 1000\_DE34903611\_2023-03-06\_NTS\_11\_20.xad

Created: 3/08/2023 11:25:12 AM  
Modified: 3/08/2023 11:25:12 AM

Electrophoresis File Run Summary



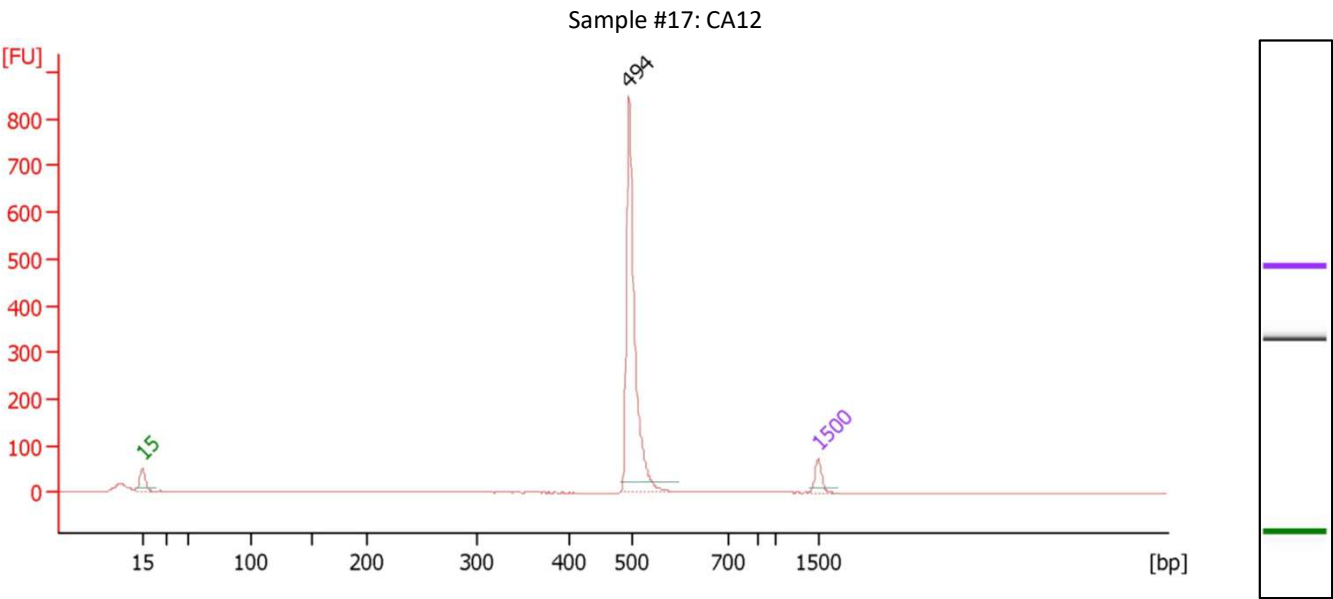
Peak table for Sample #16 :

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.21	424.4	Lower Marker
2	486	36.32	112.74	Ladder Peak
3	1,500	2.12	2.2	Upper Marker

Assay Class: DNA 1000  
Data Path: C:\...-30\2100 expert\_DNA 1000\_DE34903611\_2023-03-06\_NTS\_11\_20.xad

Created: 3/08/2023 11:25:12 AM  
Modified: 3/08/2023 11:25:12 AM

Electrophoresis File Run Summary



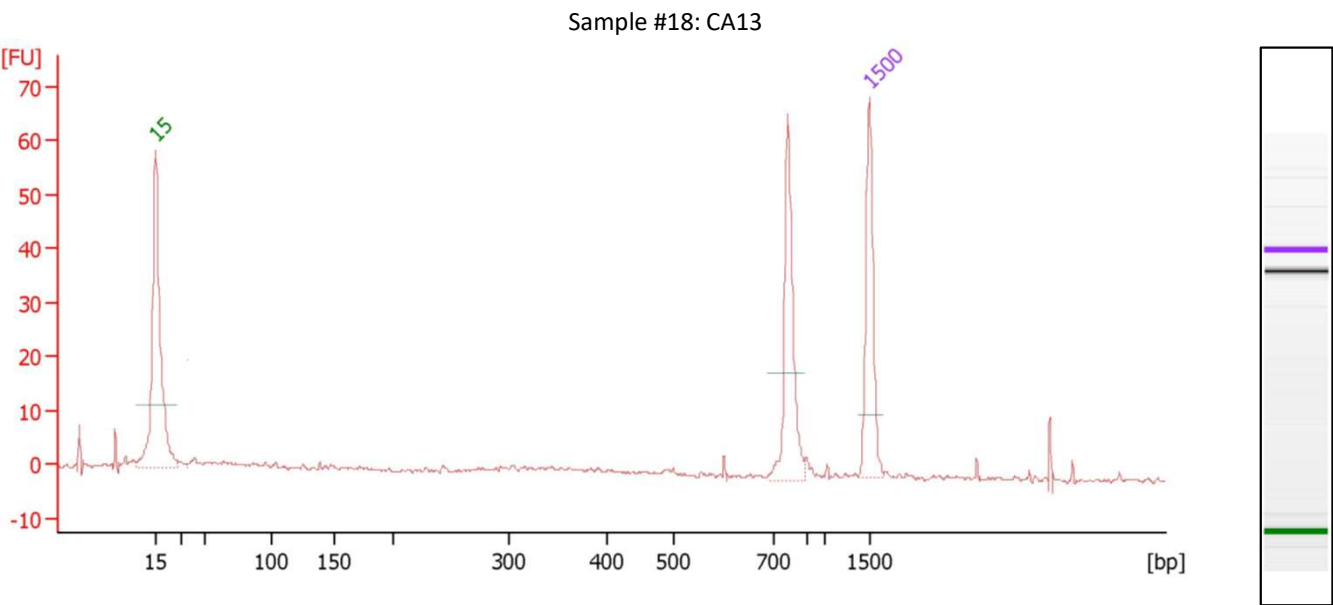
Peak table for Sample #17 :

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.4	Lower Marker
2	494	33.85	104.1	Ladder Peak
3	1,500	2.10	2.2	Upper Marker

Assay Class: DNA 1000  
Data Path: C:\...-30\2100\_expert\_DNA 1000\_DE34903611\_2023-03-06\_NTS\_11\_20.xad

Created: 3/08/2023 11:25:12 AM  
Modified: 3/08/2023 11:25:12 AM

Electrophoresis File Run Summary



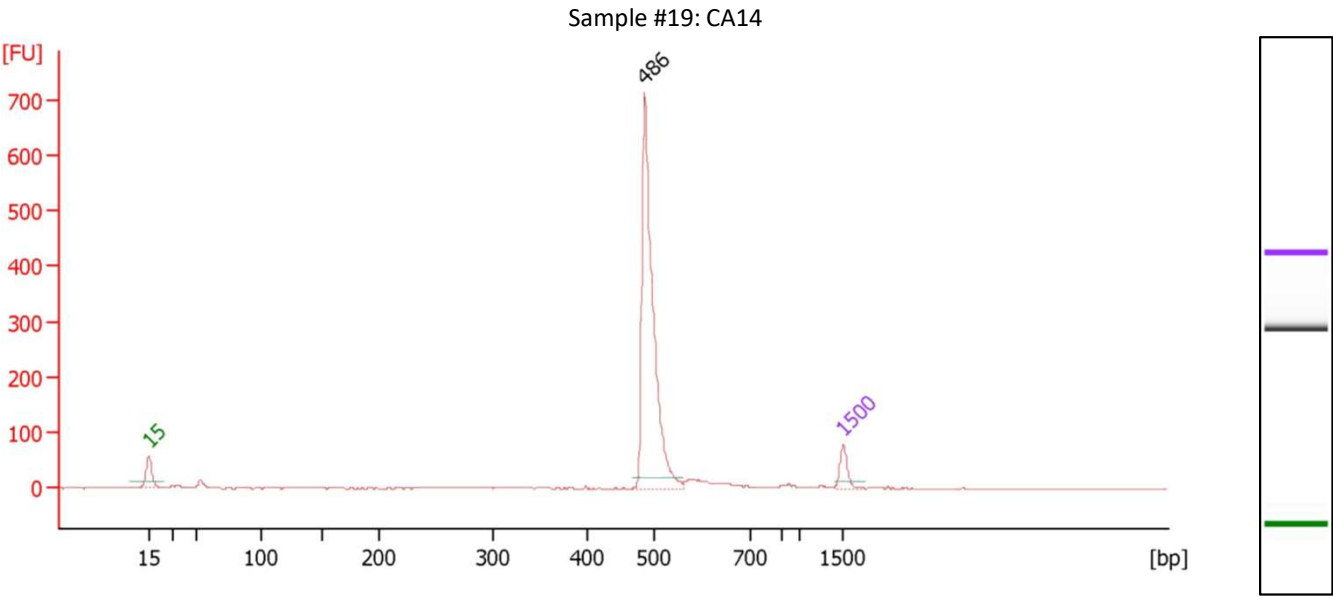
Peak table for Sample #18 :

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.4	Lower Marker
2	725	35.91	110.3	Ladder Peak
3	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000  
Data Path: C:\...-30\2100 expert\_DNA 1000\_DE34903611\_2023-03-06\_NTS\_11\_20.xad

Created: 3/08/2023 11:25:12 AM  
Modified: 3/08/2023 11:25:12 AM

Electrophoresis File Run Summary



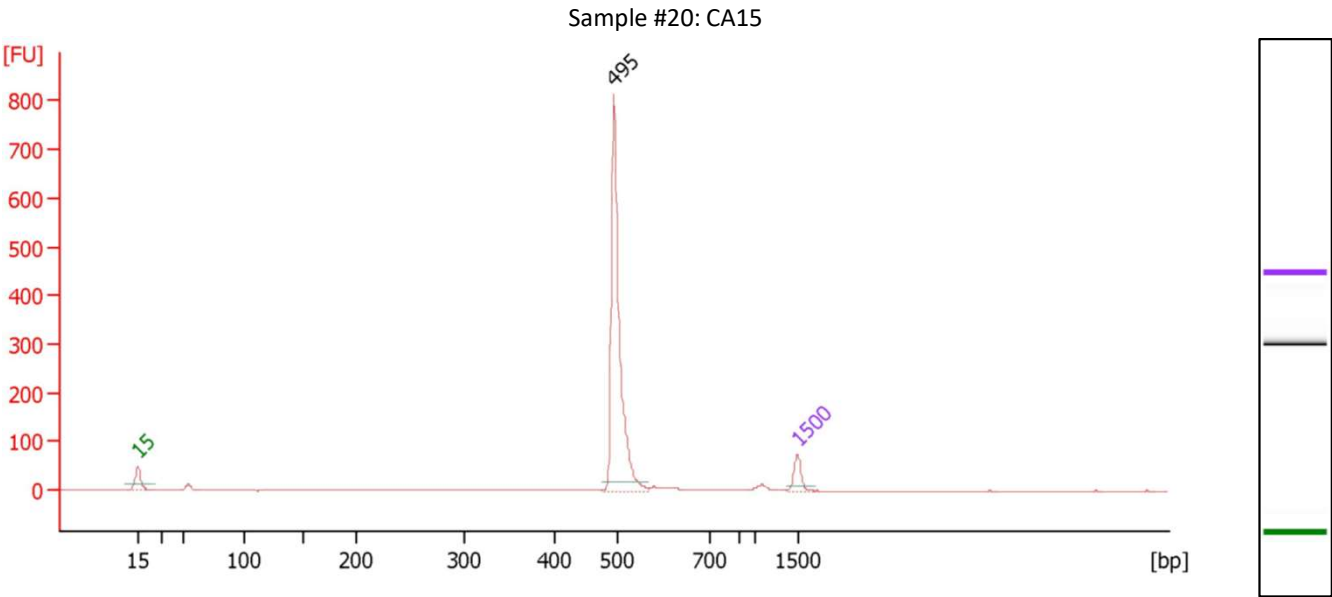
Peak table for Sample #19 :

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	486	30.21	60.2	Ladder Peak
3	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000  
Data Path: C:\...-30\2100\_expert\_DNA 1000\_DE34903611\_2023-03-06\_NTS\_11\_20.xad

Created: 3/08/2023 11:25:12 AM  
Modified: 3/08/2023 11:25:12 AM

Electrophoresis File Run Summary



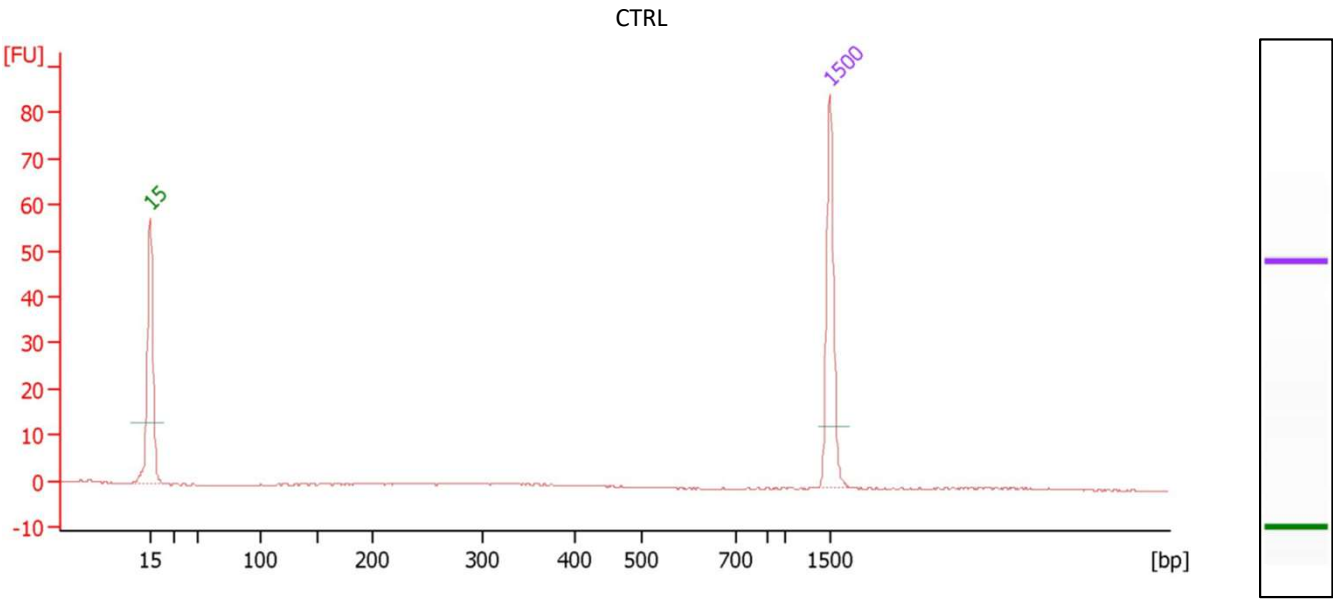
Peak table for Sample #20 :

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.4	Lower Marker
2	495	22.23	40.1	Ladder Peak
3	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000  
Data Path: C:\...-30\2100 expert\_DNA 1000\_DE34903611\_2023-03-06\_NTS\_11\_20.xad

Created: 3/08/2023 11:25:12 AM  
Modified: 3/08/2023 11:25:12 AM

Electrophoresis File Run Summary



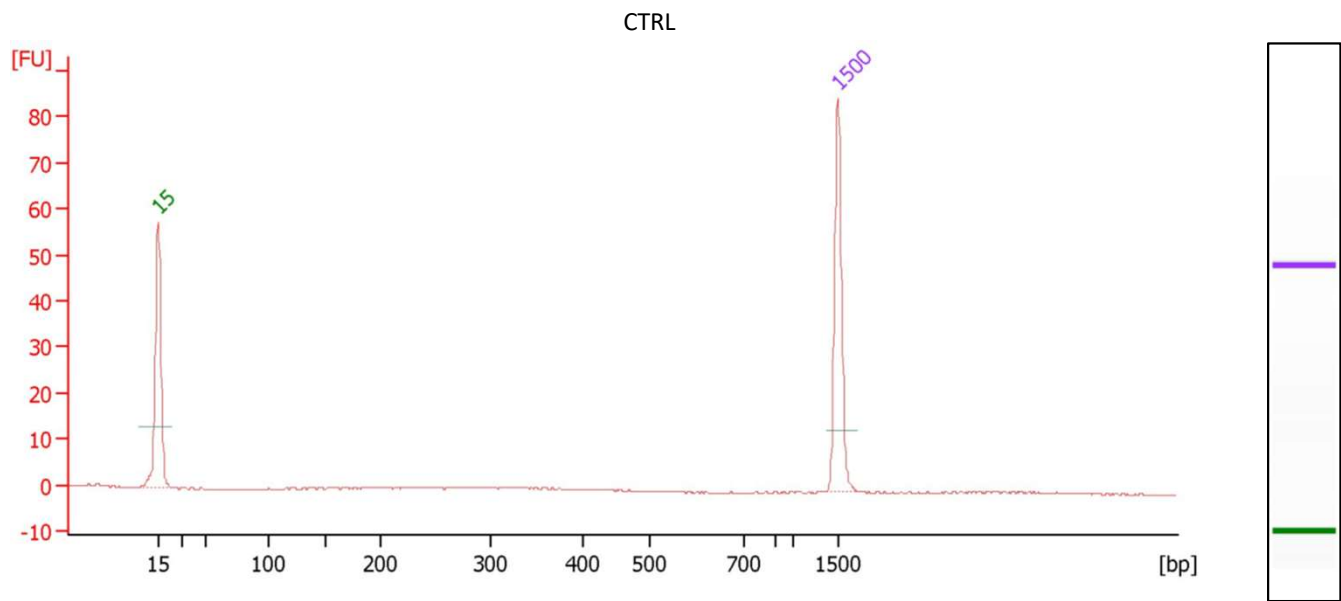
Peak table for Sample CTRL :

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.4	Lower Marker
2	1,500	2.10	2.2	Upper Marker

Assay Class: DNA 1000  
Data Path: C:\...-30\2100\_expert\_DNA 1000\_DE34903611\_2023-03-06\_NTS\_11\_20.xad

Created: 3/08/2023 11:25:12 AM  
Modified: 3/08/2023 11:25:12 AM

Electrophoresis File Run Summary



Peak table for Sample CTRL :

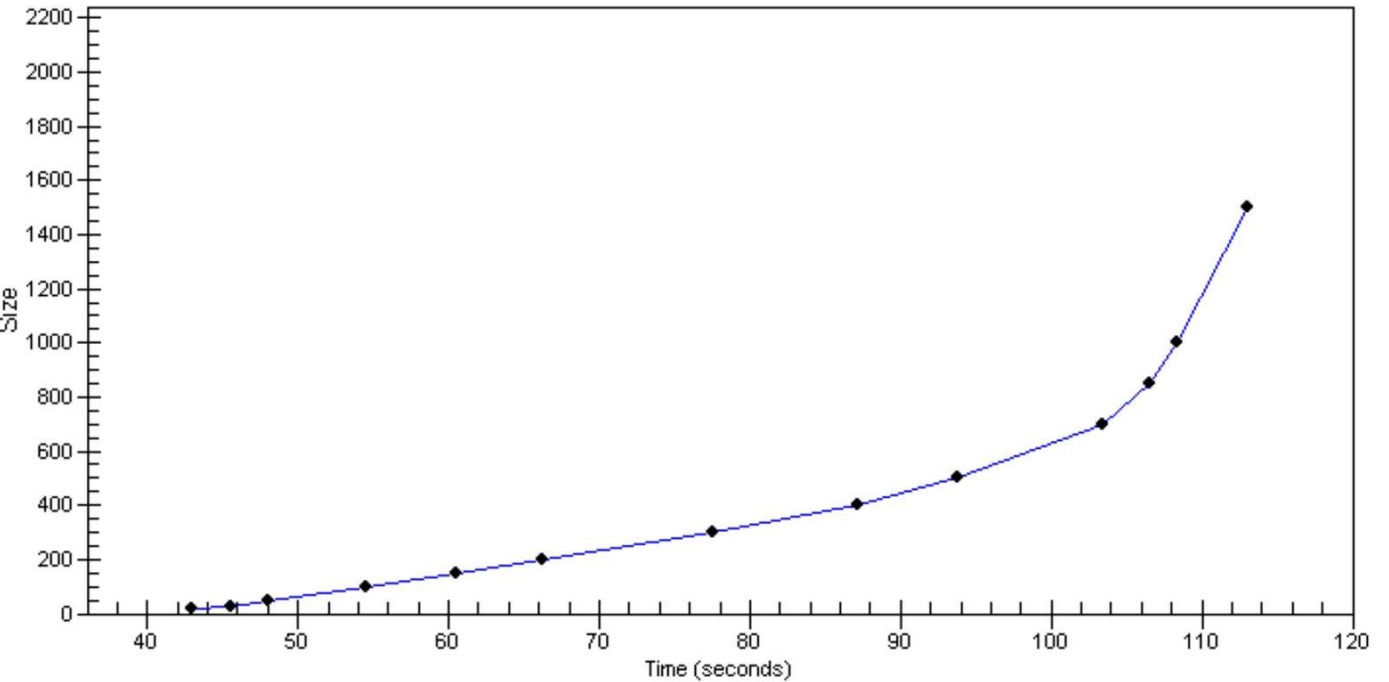
Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.4	Lower Marker
2	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000  
Data Path: C:\...-30\2100\_expert\_DNA 1000\_DE34903611\_2023-03-06\_NTS\_11\_20.xad

Created: 3/08/2023 11:25:12 AM  
Modified: 3/08/2023 11:25:12 AM

Curves

Standard Curve



Assay Class: DNA 1000  
Data Path: C:\...-30\2100\_expert\_DNA 1000\_DE34903611\_2023-03-06\_NTS\_11\_20.xad

Created: 3/08/2023 11:25:12 AM  
Modified: 3/08/2023 11:25:12 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Content	Rest. Digest	Status	Observation	Result Label	Result Color
Sample #1		<input type="checkbox"/>	✓			
Sample #2		<input type="checkbox"/>	✓			
Sample #3		<input type="checkbox"/>	✓			
Sample #4		<input type="checkbox"/>	✓			
Sample #5		<input type="checkbox"/>	✓			
Sample #6		<input type="checkbox"/>	✓			
Sample #7		<input type="checkbox"/>	✓			
Sample #8		<input type="checkbox"/>	✓			
Sample #9		<input type="checkbox"/>	✓			
Sample #10		<input type="checkbox"/>	✓			
CTRL		<input type="checkbox"/>	✓			
CTRL		<input type="checkbox"/>	✓			

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: DNA 1000  
Data Path: C:\...-30\2100\_expert\_DNA\_1000\_DE34903611\_2023-03-06\_NTS\_11\_20.xad

Created: 3/08/2023 11:25:12 AM  
Modified: 3/08/2023 11:25:12 AM

Electrophoresis Assay Details

General Analysis Settings	Result Label	Result Color
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

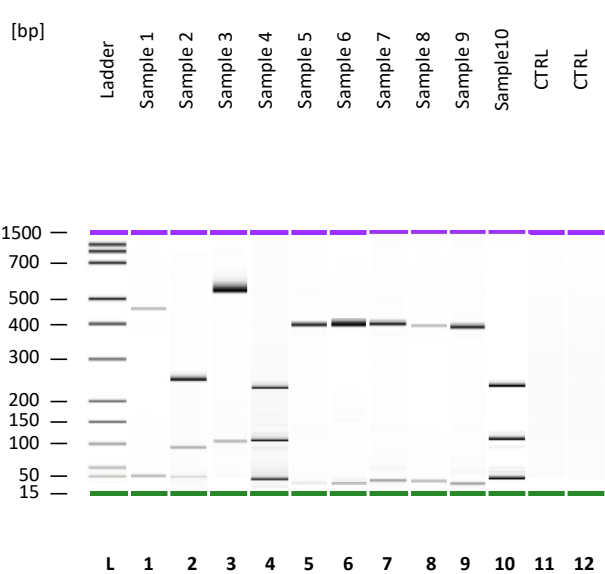
Ladder

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:\...-4903611\_2023-03-06\_NTS\_1\_10\_XhoI\_MseI.xad

Created: 3/14/2023 9:38:10 AM  
Modified: 3/14/2023 9:38:10 AM

Electrophoresis File Run Summary



Instrument Information:

Instrument Name: DE34903611  
Serial #: DE34903611  
Firmware: C.01.069  
Type: G2938C

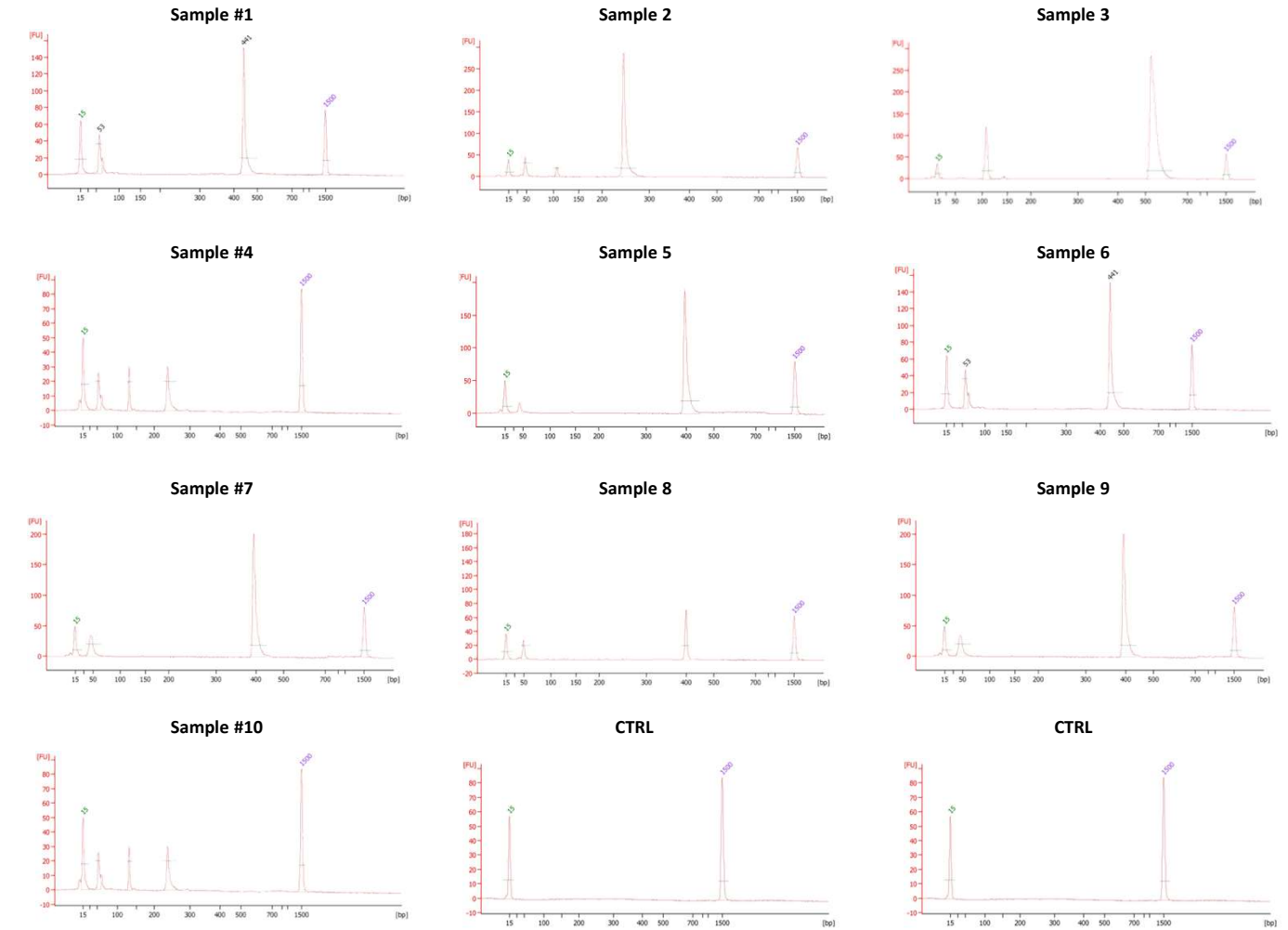
Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\dsDNA\DNA 1000 Series II.xsy  
Assay Class: DNA 1000  
Version: 2.3  
Assay Comments: DNA Analysis 2 - 1000 bp

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Chip Information:

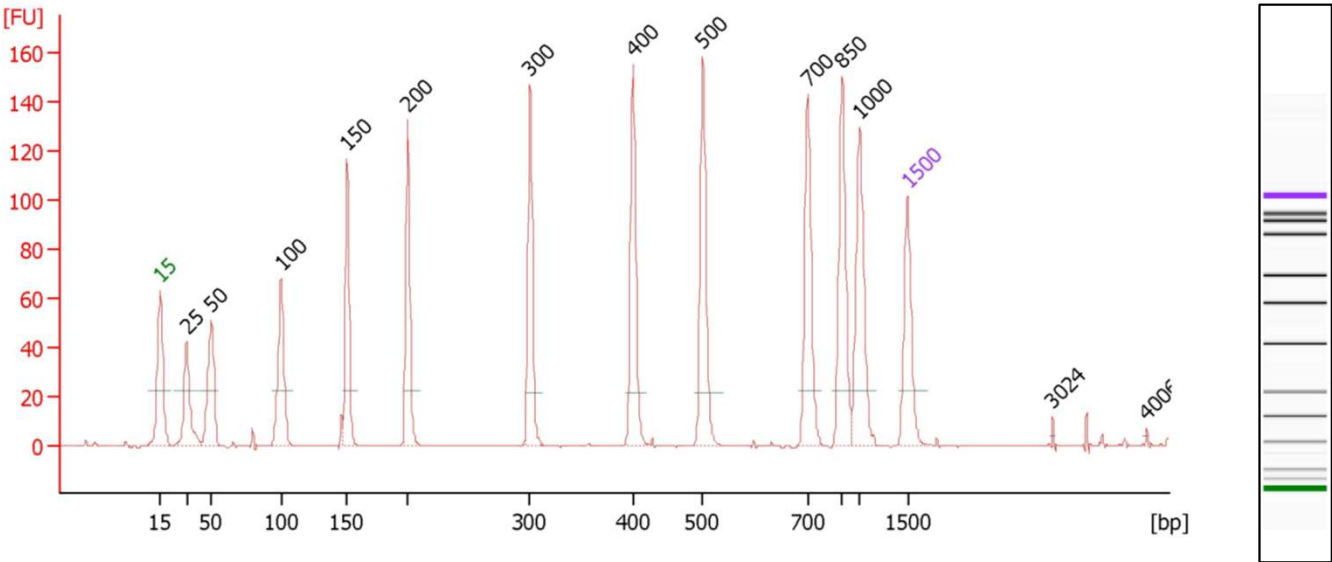
Chip Lot #:  
Reagent Kit Lot #:  
Chip Comments:



Assay Class: DNA 1000  
Data Path: C:\...-4903611\_2023-03-06\_NTS\_1\_10\_XhoI\_MseI.xad

Created: 3/14/2023 9:38:10 AM  
Modified: 3/14/2023 9:38:10 AM

Electrophoresis File Run Summary



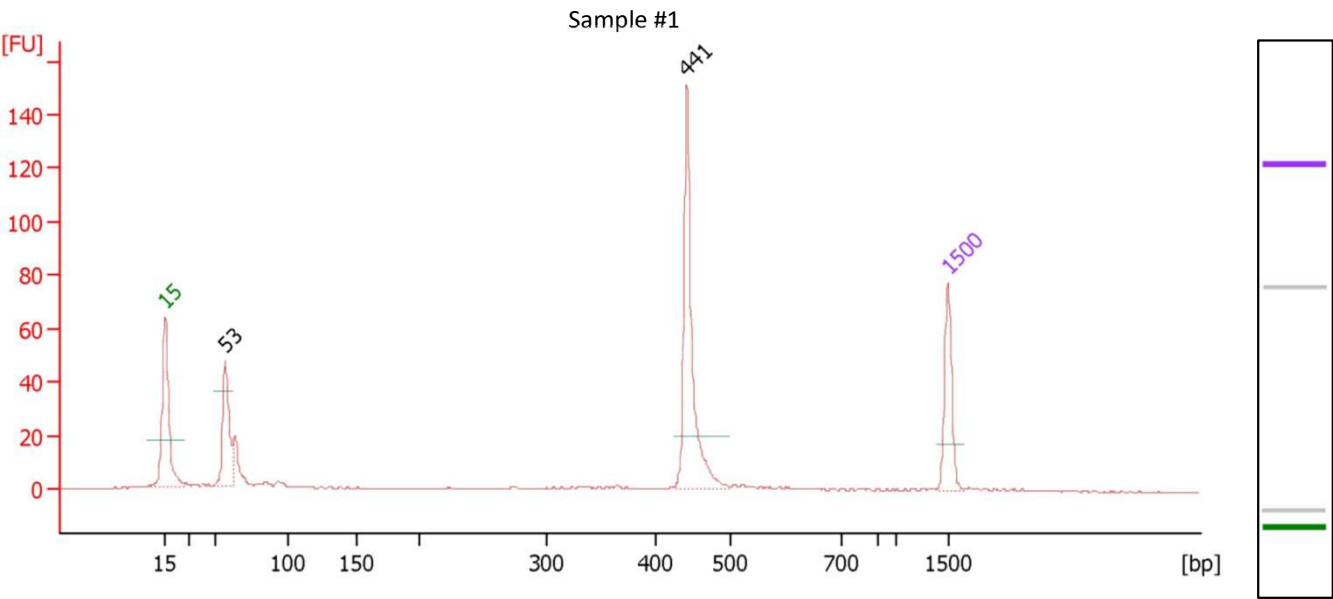
Peak table for Ladder :

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	4.4.2	Lower Marker
2	25	4.00	242.4	Ladder Peak
3	50	4.00	121.2	Ladder Peak
4	100	4.00	60.6	Ladder Peak
5	150	4.00	40.3	Ladder Peak
6	200	4.00	30.3	Ladder Peak
7	300	4.00	20.2	Ladder Peak
8	400	4.00	15.2	Ladder Peak
9	500	4.00	12.1	Ladder Peak
10	700	4.00	8.7	Ladder Peak
11	850	4.00	7.1	Ladder Peak
12	1,000	4.00	6.1	Ladder Peak
13	1,500	2.10	2.1	Upper Marker
14	3,024	0.00	0.00	
15	4,006	0.00	0.00	

Assay Class: DNA 1000  
Data Path: C:\...-4903611\_2023-03-06\_NTS\_1\_10\_XhoI\_MseI.xad

Created: 3/14/2023 9:38:10 AM  
Modified: 3/14/2023 9:38:10 AM

Electrophoresis File Run Summary



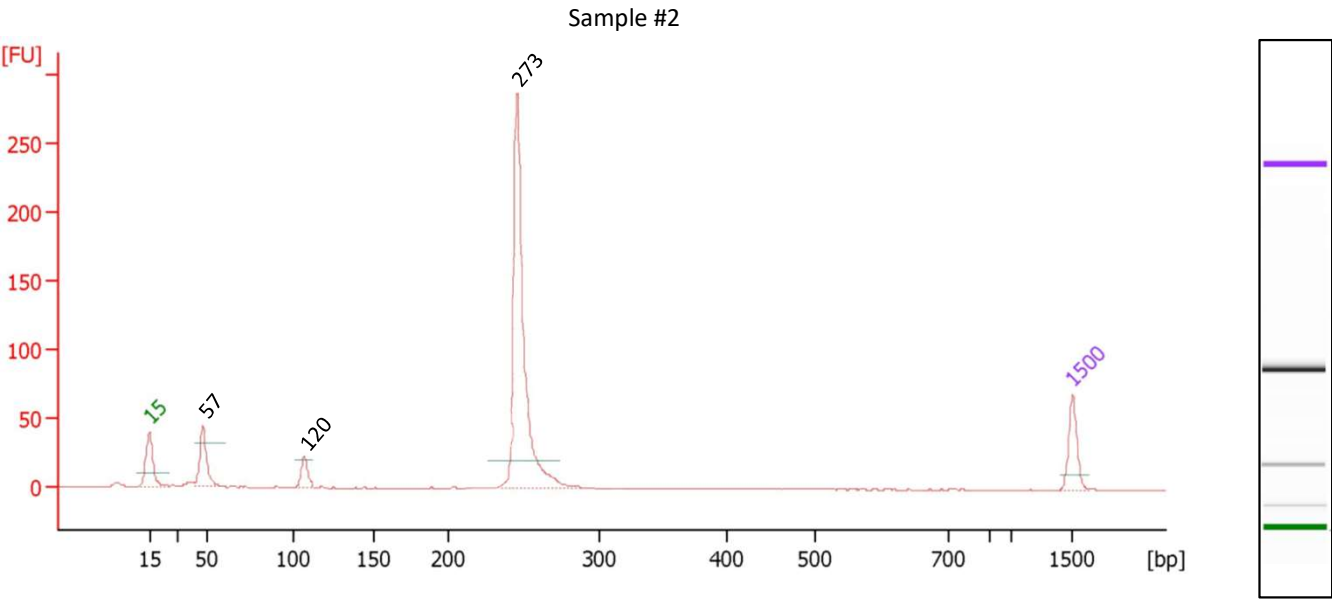
Peak table for Sample #1 :

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.4	Lower Marker
2	53	13.97	84.22	Ladder Peak
3	441	27.25	91.33	Ladder Peak
4	1,500	2.10	2.2	Upper Marker

Assay Class: DNA 1000  
Data Path: C:\...-4903611\_2023-03-06\_NTS\_1\_10\_XhoI\_MseI.xad

Created: 3/14/2023 9:38:10 AM  
Modified: 3/14/2023 9:38:10 AM

Electrophoresis File Run Summary



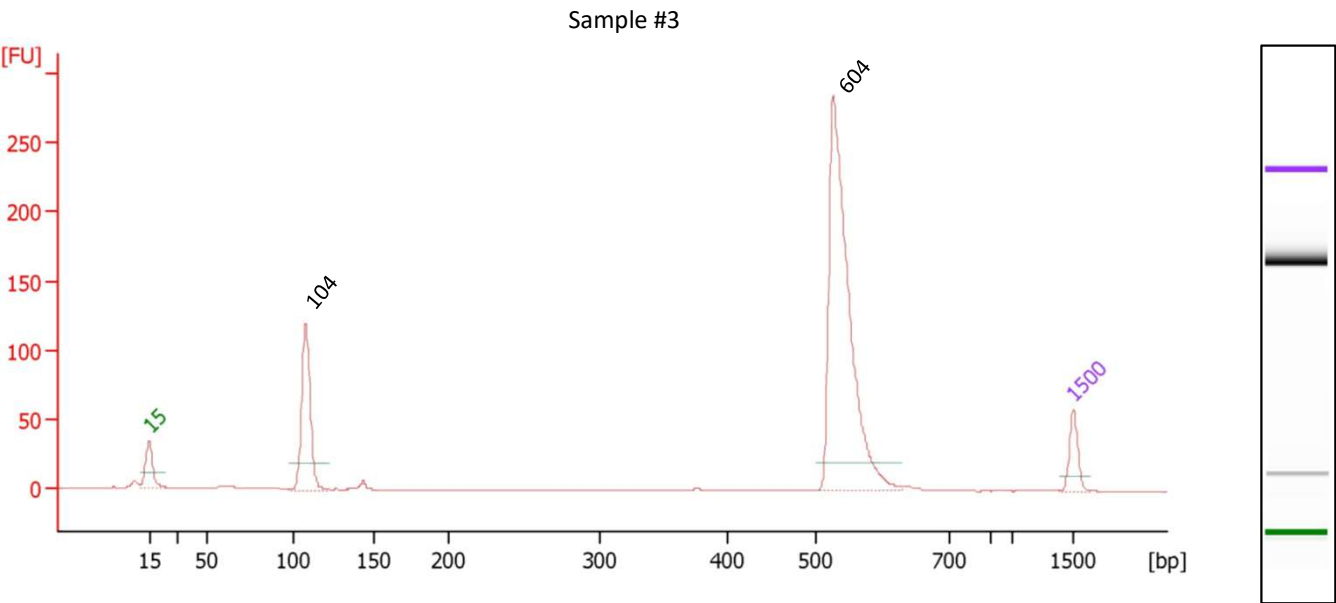
Peak table for Sample #2 :

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.4	Lower Marker
2	57	3.21	84.12	Ladder Peak
3	120	2.23	87.22	Ladder Peak
4	273	31.25	95.36	Ladder Peak
5	1,500	2.10	2.2	Upper Marker

Assay Class: DNA 1000  
Data Path: C:\...-4903611\_2023-03-06\_NTS\_1\_10\_XhoI\_MseI.xad

Created: 3/14/2023 9:38:10 AM  
Modified: 3/14/2023 9:38:10 AM

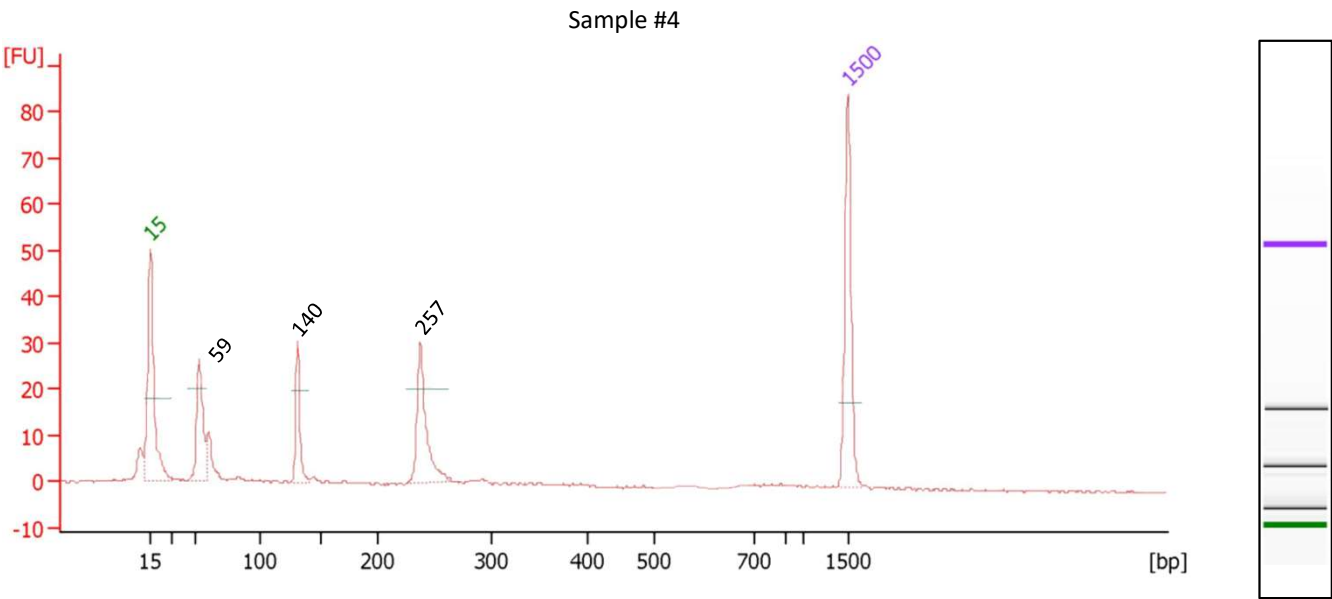
Electrophoresis File Run Summary



Assay Class: DNA 1000  
Data Path: C:\...-4903611\_2023-03-06\_NTS\_1\_10\_XhoI\_MseI.xad

Created: 3/14/2023 9:38:10 AM  
Modified: 3/14/2023 9:38:10 AM

Electrophoresis File Run Summary



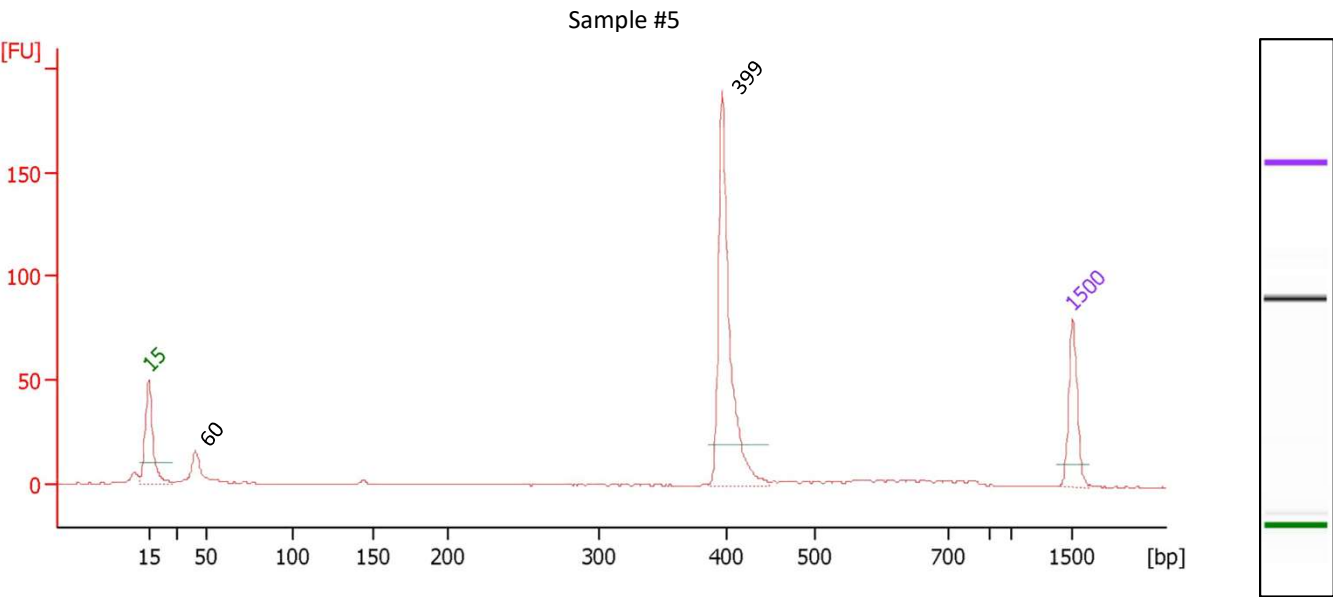
Peak table for Sample #4 :

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	59	8.98	31.87	Ladder Peak
3	140	7.85	30.69	Ladder Peak
4	257	29.99	105.69	Ladder Peak
5	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000  
Data Path: C:\...-4903611\_2023-03-06\_NTS\_1\_10\_XhoI\_MseI.xad

Created: 3/14/2023 9:38:10 AM  
Modified: 3/14/2023 9:38:10 AM

Electrophoresis File Run Summary



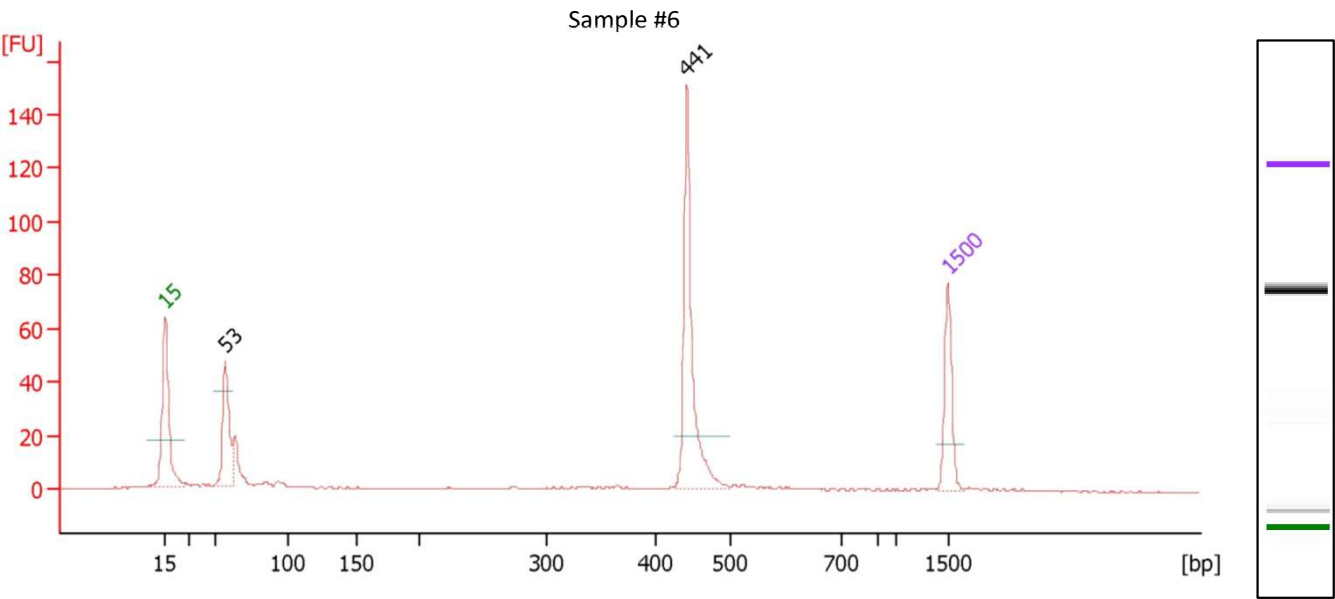
Peak table for Sample #5 :

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	60	1.25	25.6	Ladder Peak
3	399	25.34	112.3	Ladder Peak
4	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000  
Data Path: C:\...-4903611\_2023-03-06\_NTS\_1\_10\_XhoI\_MseI.xad

Created: 3/14/2023 9:38:10 AM  
Modified: 3/14/2023 9:38:10 AM

Electrophoresis File Run Summary



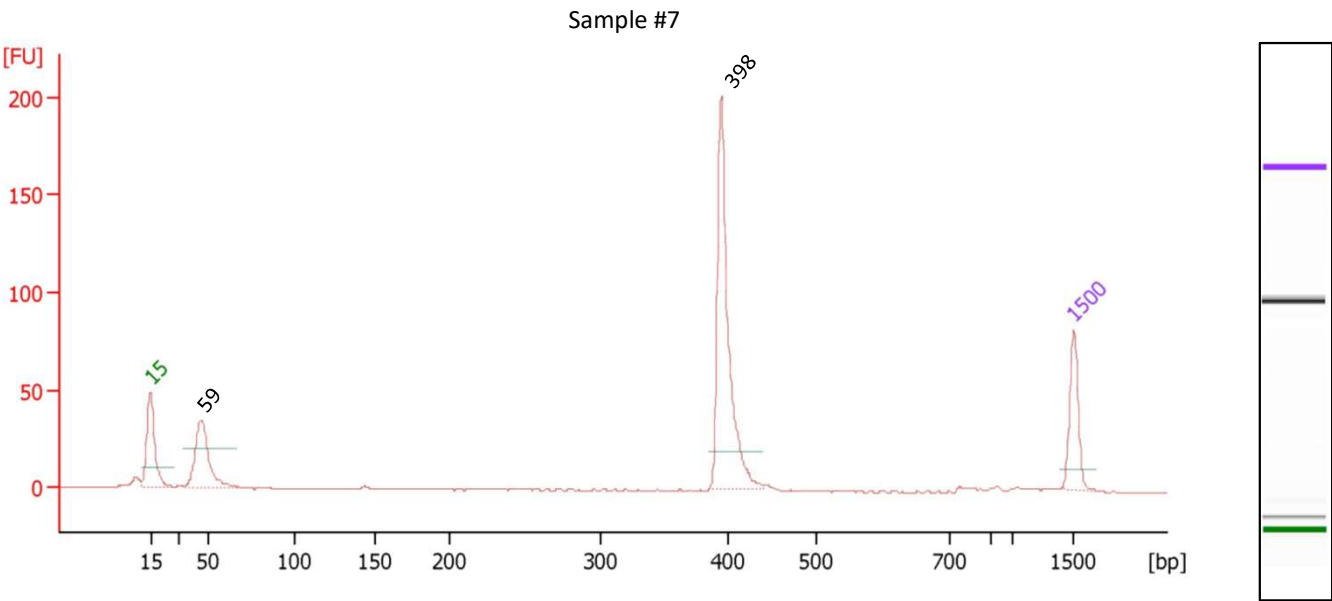
Peak table for Sample #6 :

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.4	Lower Marker
2	53	12.32	47.56	Ladder Peak
3	441	25.96	84.52	Ladder Peak
4	1,500	2.10	2.2	Upper Marker

Assay Class: DNA 1000  
Data Path: C:\...-4903611\_2023-03-06\_NTS\_1\_10\_XhoI\_MseI.xad

Created: 3/14/2023 9:38:10 AM  
Modified: 3/14/2023 9:38:10 AM

Electrophoresis File Run Summary



Peak table for Sample #7 :

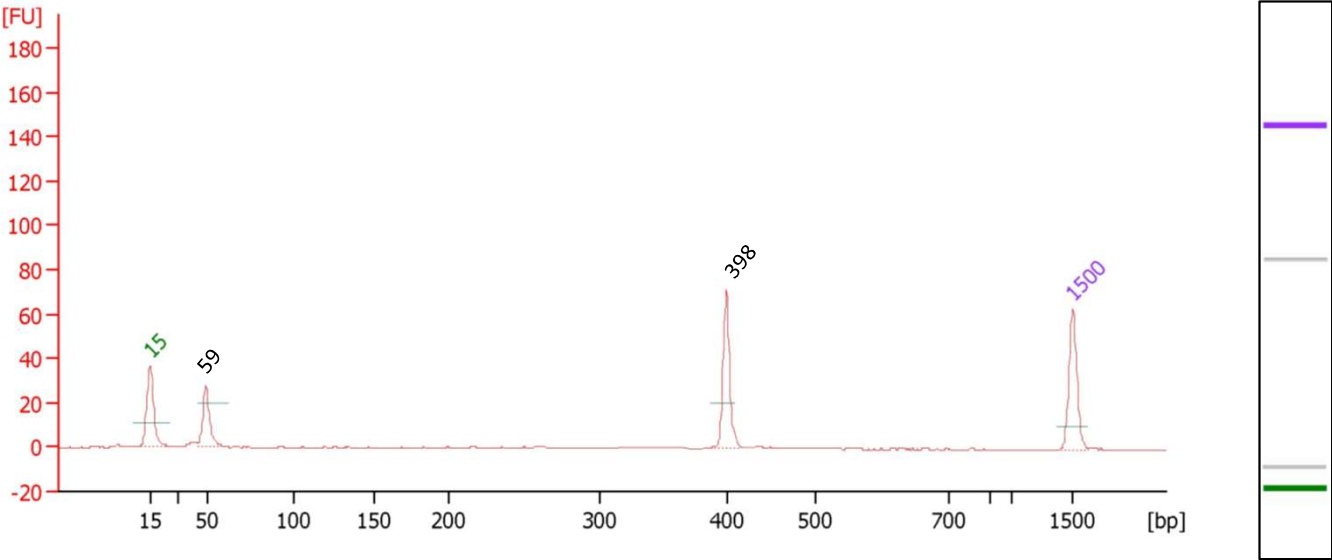
Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	59	3.58	32.9	Ladder Peak
3	398	36.87	121.2	Ladder Peak
4	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000  
Data Path: C:\...-4903611\_2023-03-06\_NTS\_1\_10\_XhoI\_MseI.xad

Created: 3/14/2023 9:38:10 AM  
Modified: 3/14/2023 9:38:10 AM

Electrophoresis File Run Summary

Sample #8



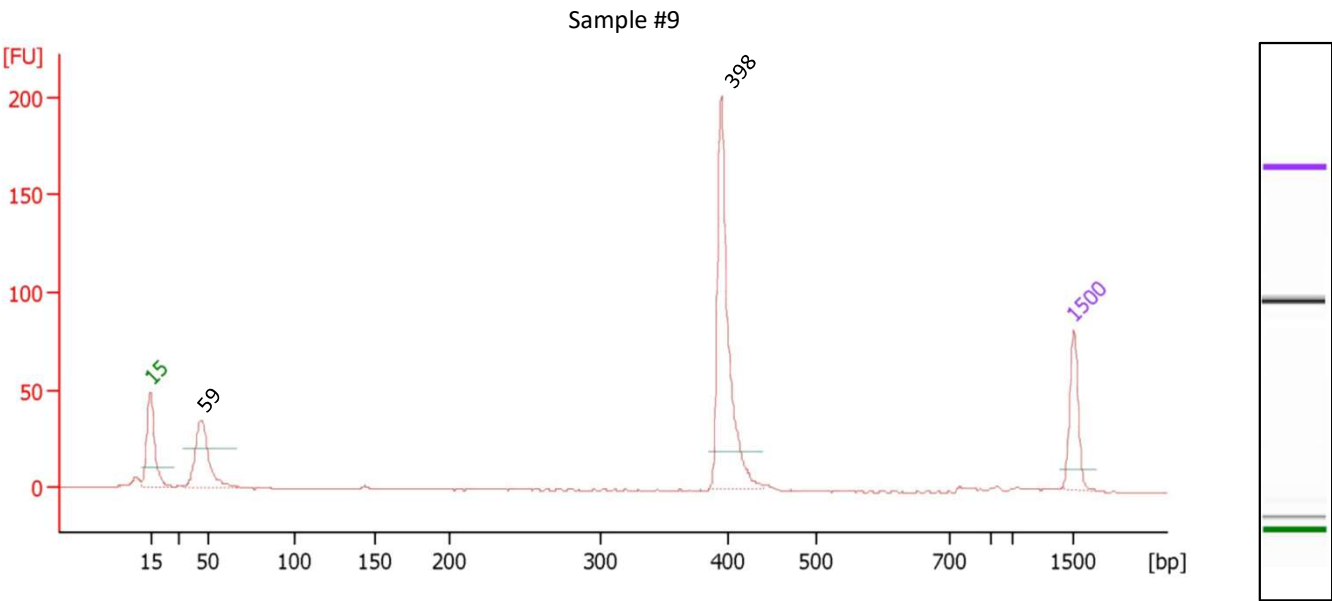
Peak table for Sample #8 :

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.4	Lower Marker
2	59	5.58	54.8	Ladder Peak
3	398	7.85	42.1	Ladder Peak
4	1,500	2.10	2.2	Upper Marker

Assay Class: DNA 1000  
Data Path: C:\...-4903611\_2023-03-06\_NTS\_1\_10\_XhoI\_MseI.xad

Created: 3/14/2023 9:38:10 AM  
Modified: 3/14/2023 9:38:10 AM

Electrophoresis File Run Summary



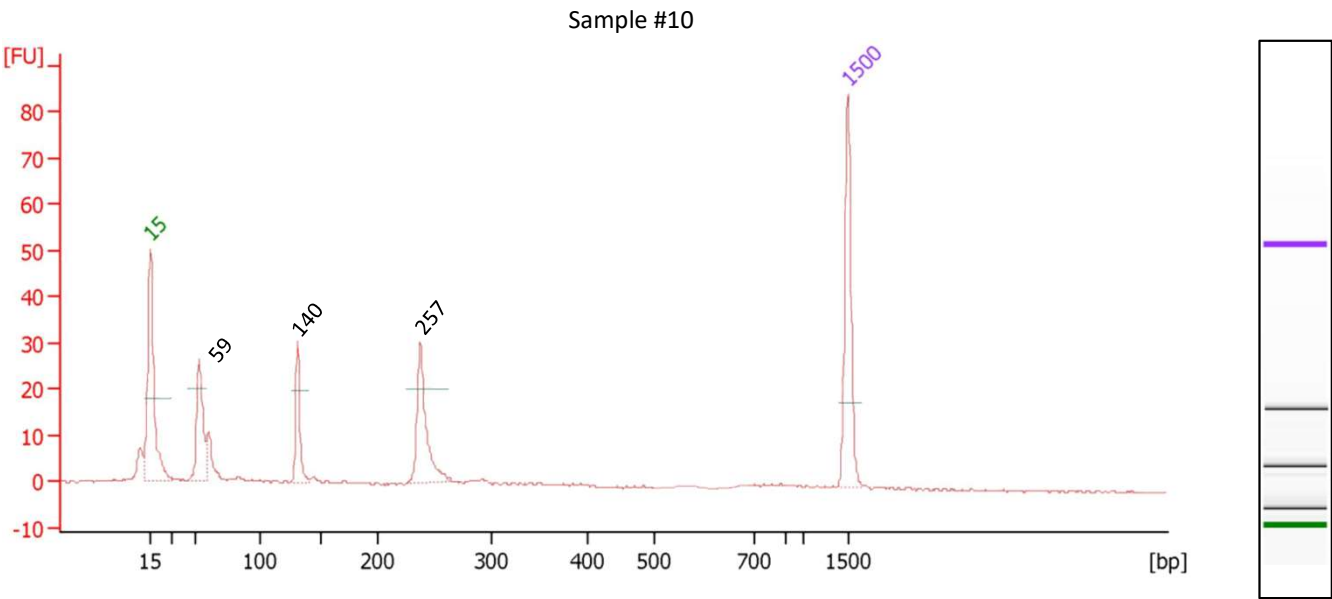
Peak table for Sample #9 :

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	59	3.58	32.9	Ladder Peak
3	398	36.87	121.2	Ladder Peak
4	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000  
Data Path: C:\...-4903611\_2023-03-06\_NTS\_1\_10\_XhoI\_MseI.xad

Created: 3/14/2023 9:38:10 AM  
Modified: 3/14/2023 9:38:10 AM

Electrophoresis File Run Summary



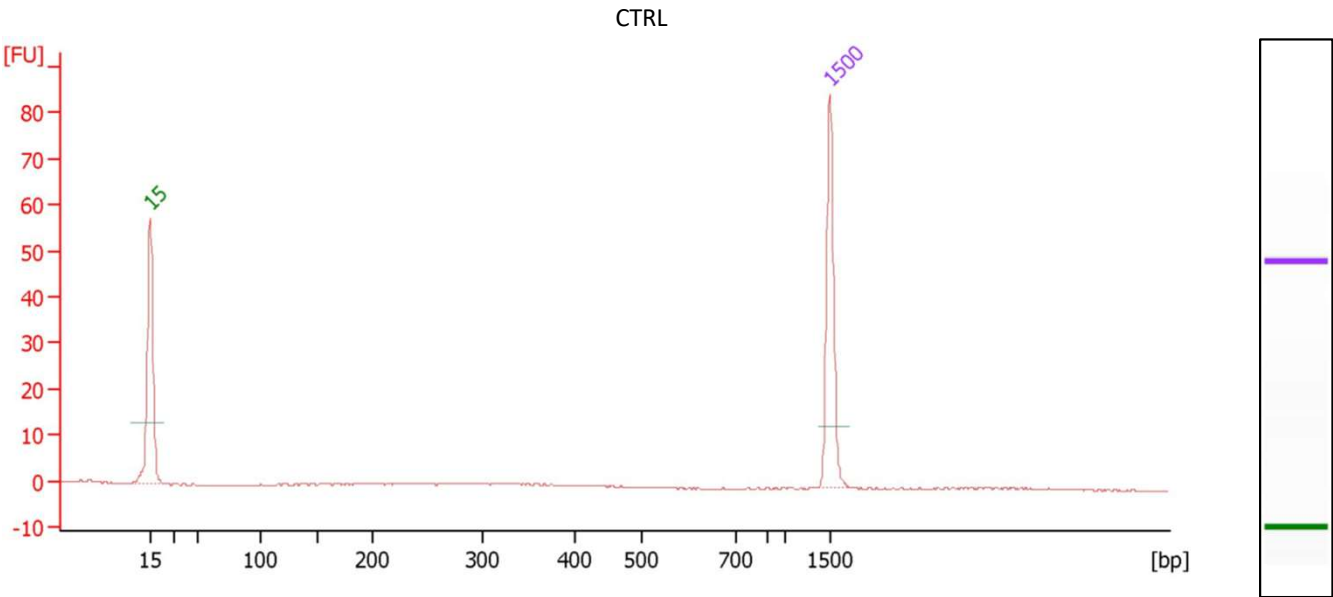
Peak table for Sample #10 :

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	59	7.41	35.87	Ladder Peak
3	140	8.44	33.69	Ladder Peak
4	257	29.58	102.4	Ladder Peak
5	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000  
Data Path: C:\...-4903611\_2023-03-06\_NTS\_1\_10\_XhoI\_MseI.xad

Created: 3/14/2023 9:38:10 AM  
Modified: 3/14/2023 9:38:10 AM

Electrophoresis File Run Summary



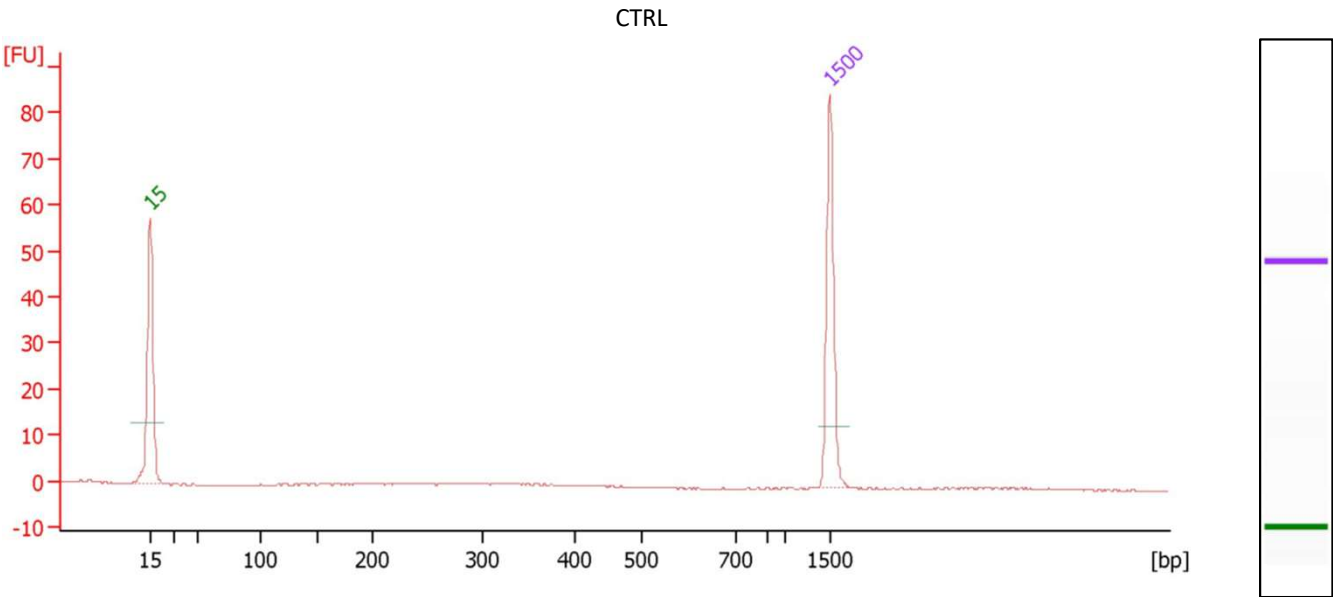
Peak table for Sample CTRL :

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.4	Lower Marker
2	1,500	2.10	2.2	Upper Marker

Assay Class: DNA 1000  
Data Path: C:\...-4903611\_2023-03-06\_NTS\_1\_10\_XhoI\_MseI.xad

Created: 3/14/2023 9:38:10 AM  
Modified: 3/14/2023 9:38:10 AM

Electrophoresis File Run Summary



Peak table for Sample CTRL :

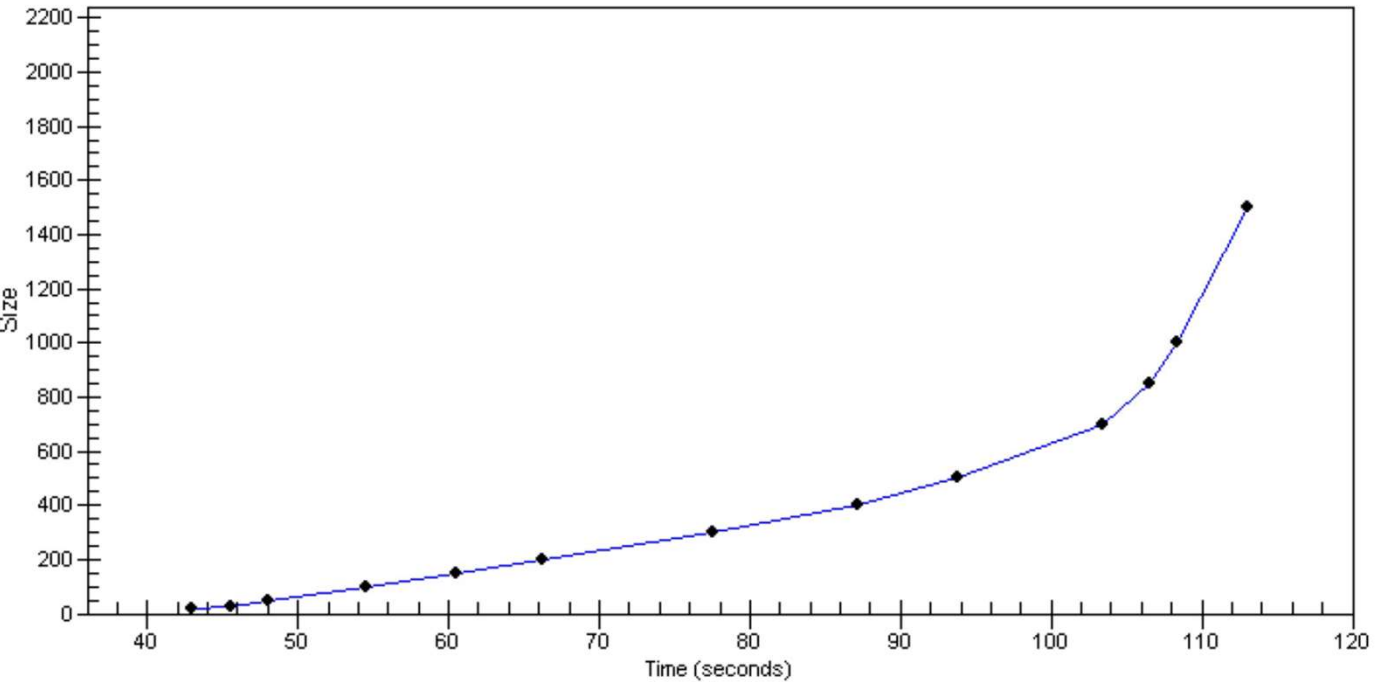
Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.4	Lower Marker
2	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000  
Data Path: C:\...-4903611\_2023-03-06\_NTS\_1\_10\_XhoI\_MseI.xad

Created: 3/14/2023 9:38:10 AM  
Modified: 3/14/2023 9:38:10 AM

Curves

Standard Curve



Assay Class: DNA 1000  
Data Path: C:\...-4903611\_2023-03-06\_NTS\_1\_10\_XhoI\_MseI.xad

Created: 3/14/2023 9:38:10 AM  
Modified: 3/14/2023 9:38:10 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Content	Rest. Digest	Status	Observation	Result Label	Result Color
Sample #1		<input type="checkbox"/>	✓			
Sample #2		<input type="checkbox"/>	✓			
Sample #3		<input type="checkbox"/>	✓			
Sample #4		<input type="checkbox"/>	✓			
Sample #5		<input type="checkbox"/>	✓			
Sample #6		<input type="checkbox"/>	✓			
Sample #7		<input type="checkbox"/>	✓			
Sample #8		<input type="checkbox"/>	✓			
Sample #9		<input type="checkbox"/>	✓			
Sample #10		<input type="checkbox"/>	✓			
CTRL		<input type="checkbox"/>	✓			
CTRL		<input type="checkbox"/>	✓			

Chip Lot # Reagent Kit Lot #

Chip Comments :

Assay Class: DNA 1000  
Data Path: C:\...-4903611\_2023-03-06\_NTS\_1\_10\_XhoI\_MseI.xad

Created: 3/14/2023 9:38:10 AM  
Modified: 3/14/2023 9:38:10 AM

Electrophoresis Assay Details

General Analysis Settings	Result Label	Result Color
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

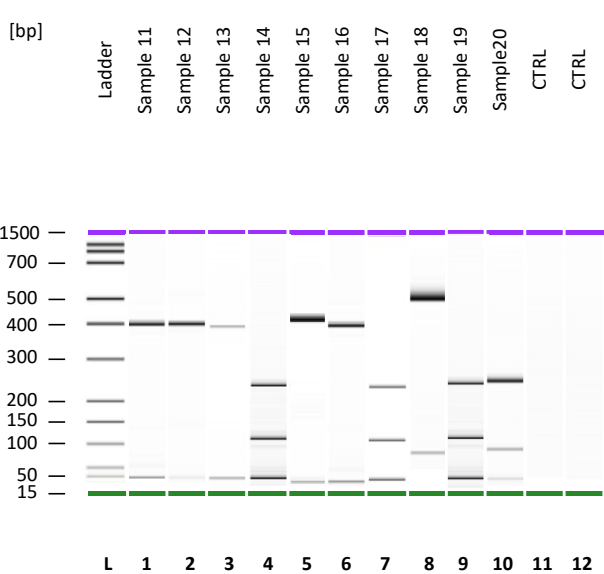
Filter Width [s] : 0.5  
Polynomial Order : 4

Ladder

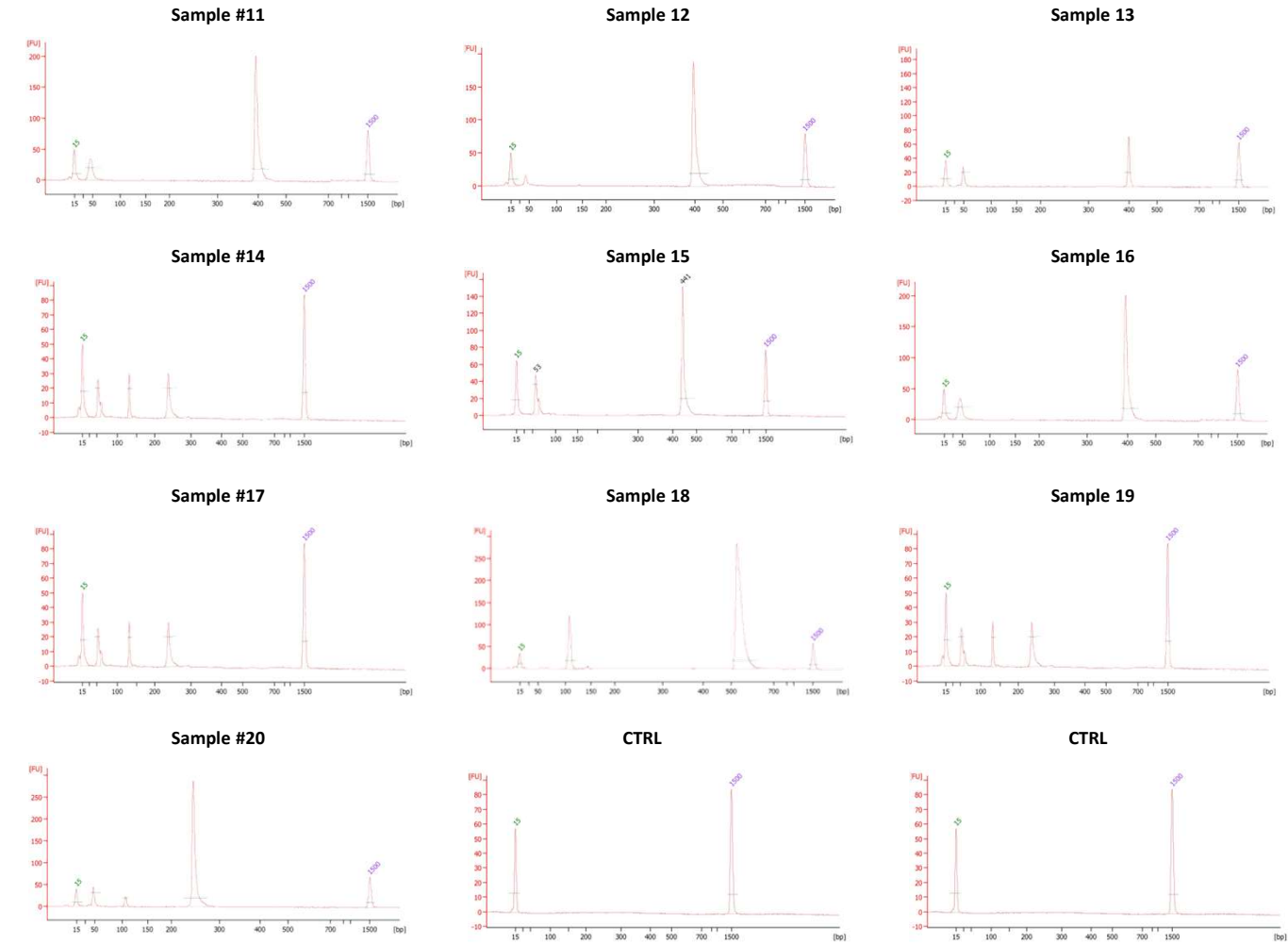
Ladder Peak	Size	Area
1	15	25
2	25	26
3	50	34
4	100	41
5	150	45
6	200	52
7	300	63
8	400	76
9	500	83
10	700	88
11	850	86
12	1000	90
13	1500	52

Assay Class: DNA 1000  
Data Path: C:\...-4903611\_2023-03-06\_NTS\_11\_20\_XhoI\_MseI.xad  
**Electrophoresis File Run Summary**

Created: 3/14/2023 13:38:45 PM  
Modified: 3/14/2023 13:38:45 PM



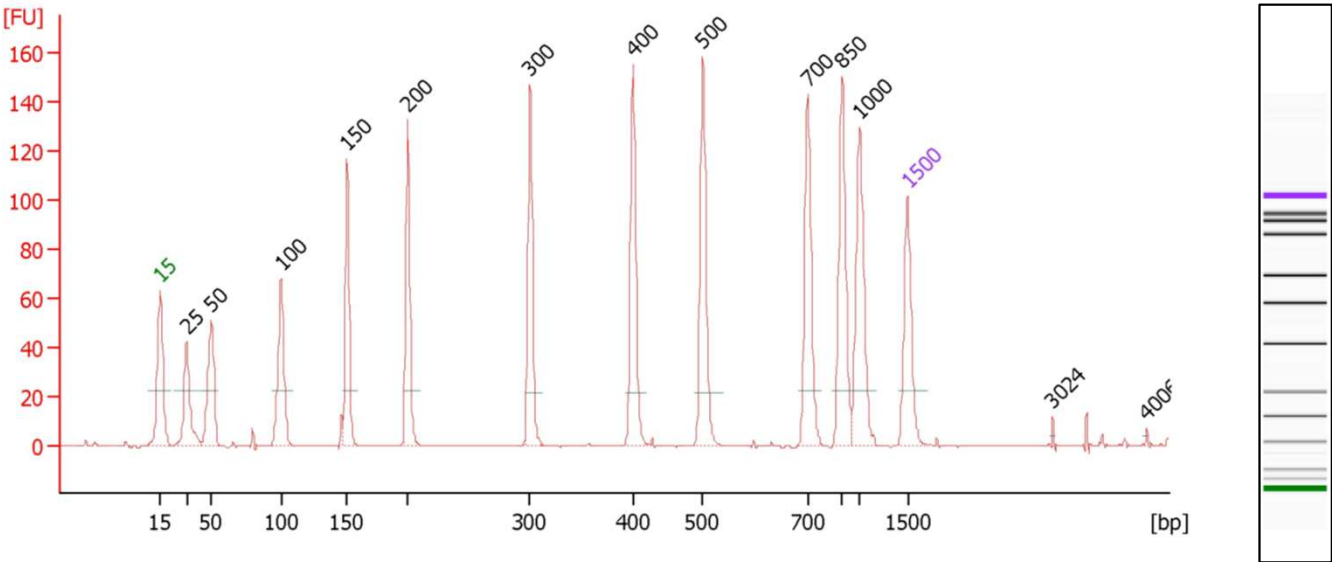
**Instrument Information:**  
Instrument Name: DE34903611      Firmware: C.01.069  
Serial #: DE34903611      Type: G2938C  
**Assay Information:**  
Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\dsDNA\DNA 1000 Series II.xsy  
Assay Class: DNA 1000  
Version: 2.3  
Assay Comments: DNA Analysis 2 - 1000 bp  
© Copyright 2003-2009 Agilent Technologies, Inc.  
**Chip Information:**  
Chip Lot #:  
Reagent Kit Lot #:  
Chip Comments:



Assay Class: DNA 1000  
Data Path: C:\...-4903611\_2023-03-06\_NTS\_11\_20\_XhoI\_MseI.xad

Created: 3/14/2023 13:38:45 PM  
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Electrophoresis File Run Summary



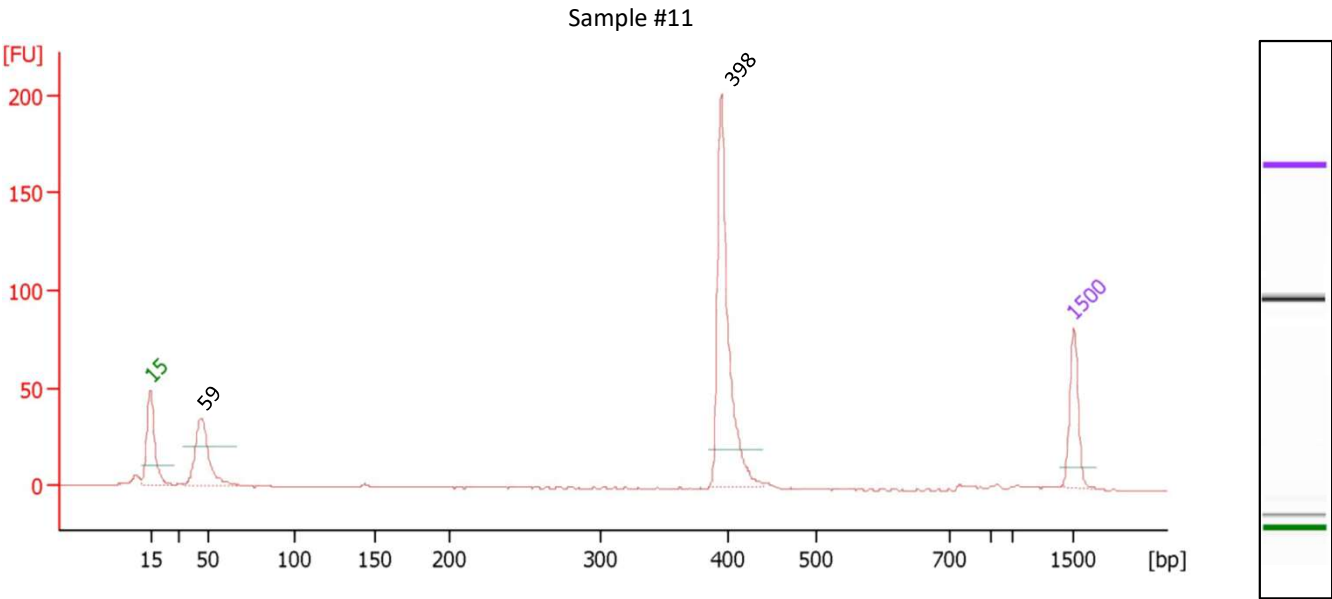
Peak table for Ladder :

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	4.4.2	Lower Marker
2	25	4.00	242.4	Ladder Peak
3	50	4.00	121.2	Ladder Peak
4	100	4.00	60.6	Ladder Peak
5	150	4.00	40.3	Ladder Peak
6	200	4.00	30.3	Ladder Peak
7	300	4.00	20.2	Ladder Peak
8	400	4.00	15.2	Ladder Peak
9	500	4.00	12.1	Ladder Peak
10	700	4.00	8.7	Ladder Peak
11	850	4.00	7.1	Ladder Peak
12	1,000	4.00	6.1	Ladder Peak
13	1,500	2.10	2.1	Upper Marker
14	3,024	0.00	0.00	
15	4,006	0.00	0.00	

Assay Class: DNA 1000  
Data Path: C:\...-4903611\_2023-03-06\_NTS\_11\_20\_XhoI\_MseI.xad

Created: 3/14/2023 13:38:45 PM  
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Electrophoresis File Run Summary



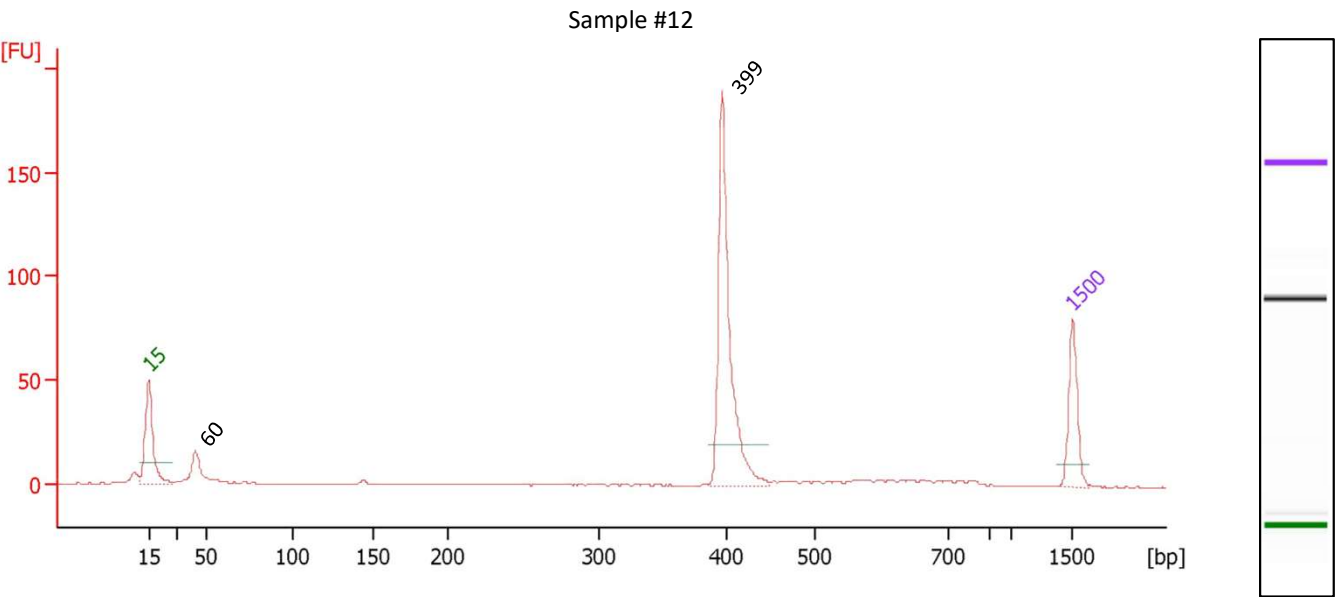
Peak table for Sample #11 :

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	59	3.58	32.9	Ladder Peak
3	398	36.87	121.2	Ladder Peak
4	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000  
Data Path: C:\...-4903611\_2023-03-06\_NTS\_11\_20\_XhoI\_MseI.xad

Created: 3/14/2023 13:38:45 PM  
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Electrophoresis File Run Summary



Peak table for Sample #12 :

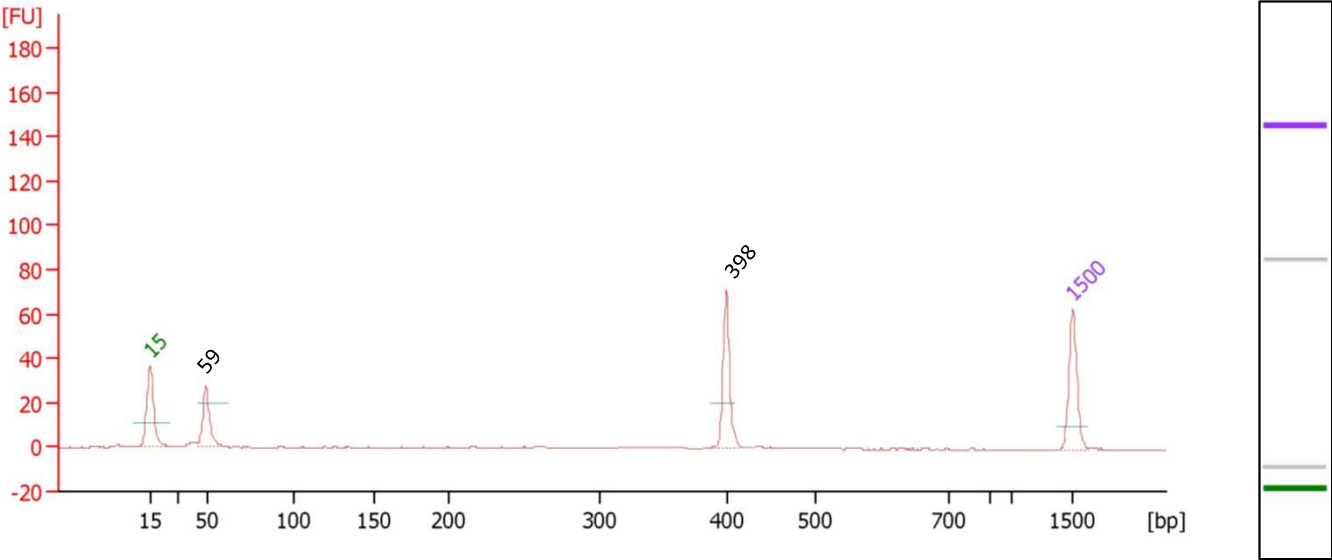
Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	60	1.25	25.6	Ladder Peak
3	399	25.34	112.3	Ladder Peak
4	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000  
Data Path: C:\...-4903611\_2023-03-06\_NTS\_11\_20\_XhoI\_MseI.xad

Created: 3/14/2023 13:38:45 PM  
Modified: 3/14/2023 13:38:45 PM

Electrophoresis File Run Summary

Sample #13



Peak table for Sample #13 :

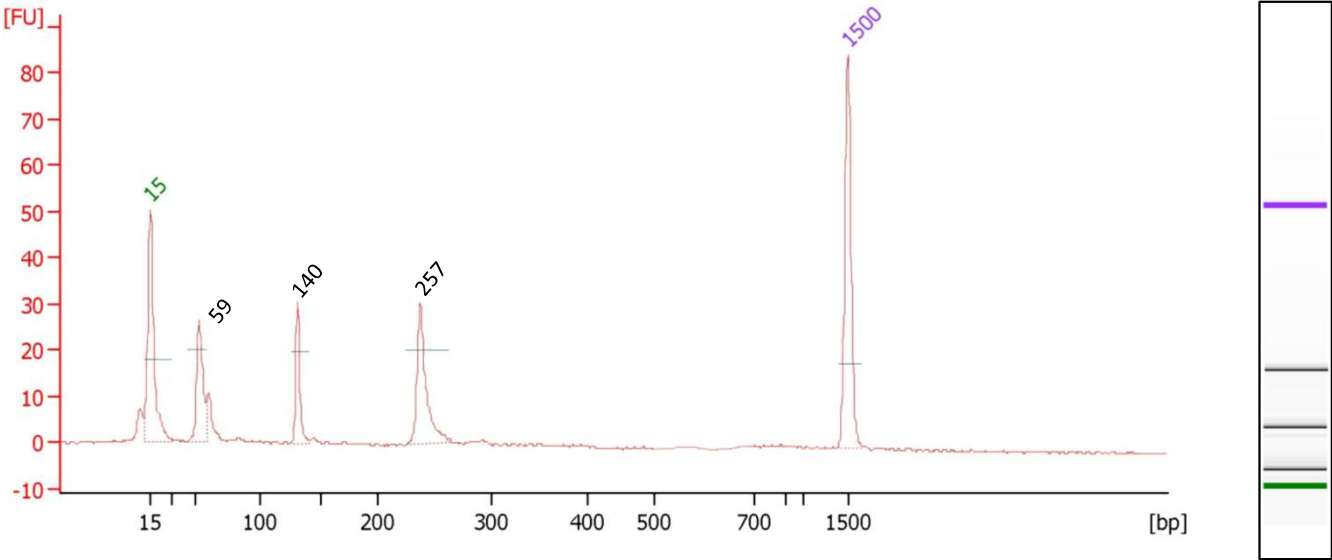
Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.4	Lower Marker
2	59	5.58	54.8	Ladder Peak
3	398	7.85	42.1	Ladder Peak
4	1,500	2.10	2.2	Upper Marker

Assay Class: DNA 1000  
Data Path: C:\...-4903611\_2023-03-06\_NTS\_11\_20\_XhoI\_MseI.xad

Created: 3/14/2023 13:38:45 PM  
Modified: 3/14/2023 13:38:45 PM

Electrophoresis File Run Summary

Sample #14



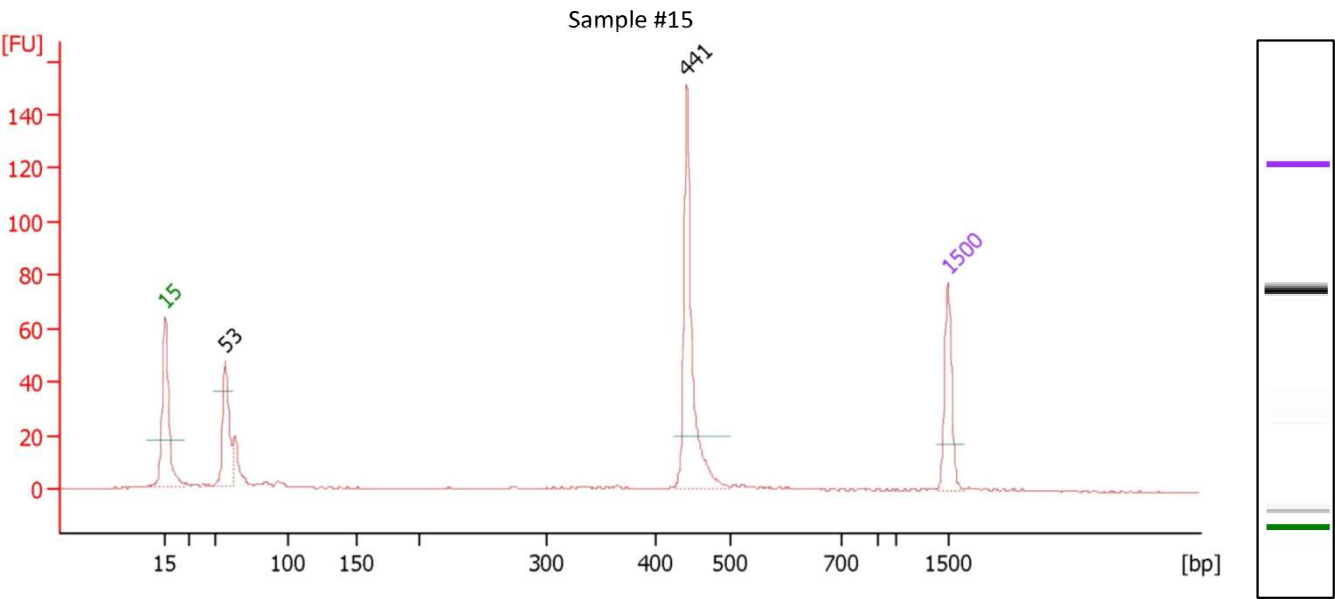
Peak table for Sample #14 :

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	59	7.41	27.85	Ladder Peak
3	140	8.84	33.69	Ladder Peak
4	257	30.12	87.41	Ladder Peak
5	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000  
Data Path: C:\...-4903611\_2023-03-06\_NTS\_11\_20\_XhoI\_MseI.xad

Created: 3/14/2023 13:38:45 PM  
Modified: 3/14/2023 13:38:45 PM

Electrophoresis File Run Summary



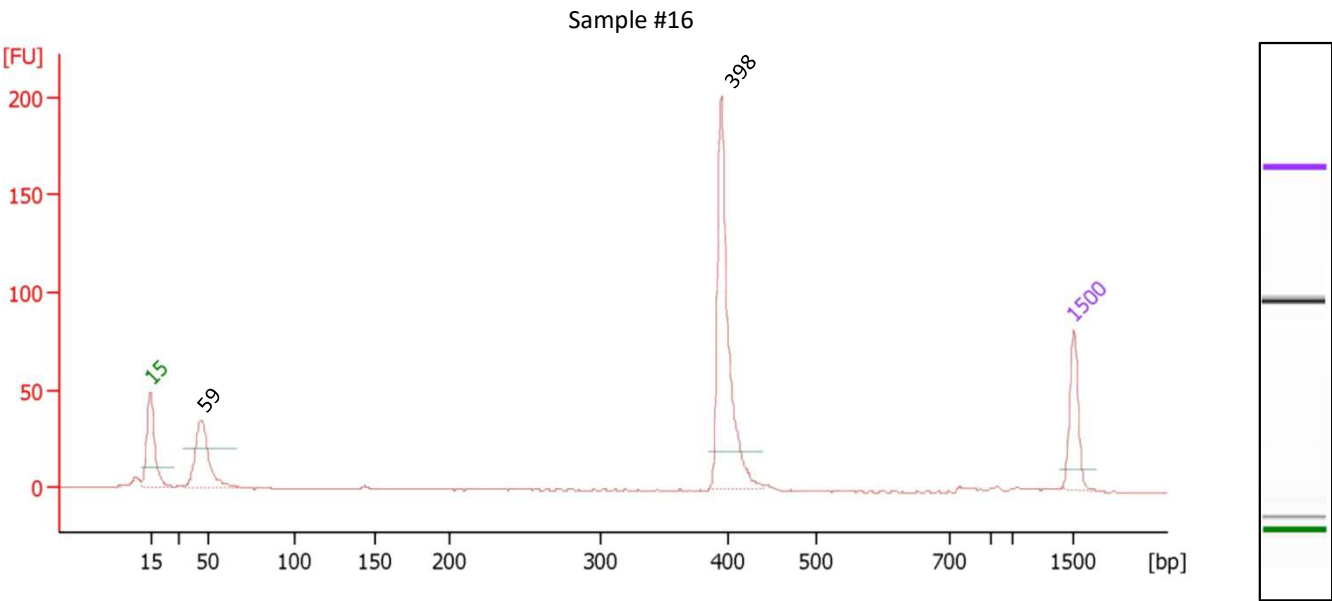
Peak table for Sample #15 :

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.4	Lower Marker
2	53	12.58	81.2	Ladder Peak
3	441	25.55	99.6	Ladder Peak
4	1,500	2.10	2.2	Upper Marker

Assay Class: DNA 1000  
Data Path: C:\...-4903611\_2023-03-06\_NTS\_11\_20\_XhoI\_MseI.xad

Created: 3/14/2023 13:38:45 PM  
Modified: 3/14/2023 13:38:45 PM

Electrophoresis File Run Summary



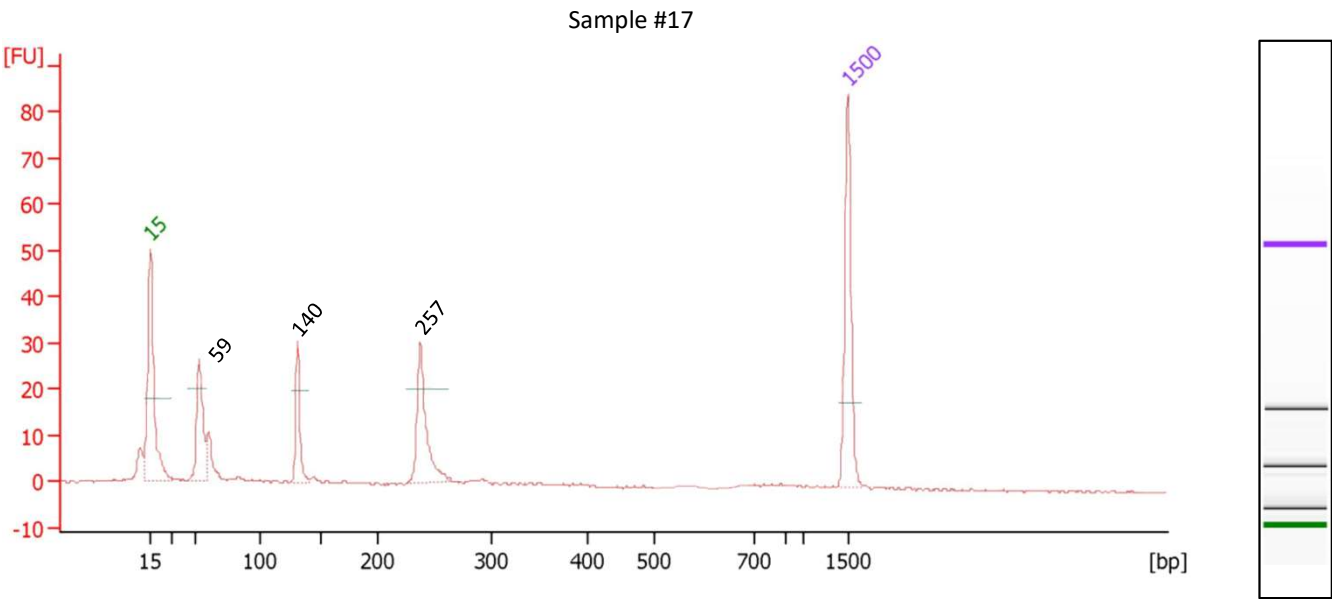
Peak table for Sample #16 :

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	59	3.58	32.9	Ladder Peak
3	398	36.87	121.2	Ladder Peak
4	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000  
Data Path: C:\...-4903611\_2023-03-06\_NTS\_11\_20\_XhoI\_MseI.xad

Created: 3/14/2023 13:38:45 PM  
Modified: 3/14/2023 13:38:45 PM

Electrophoresis File Run Summary



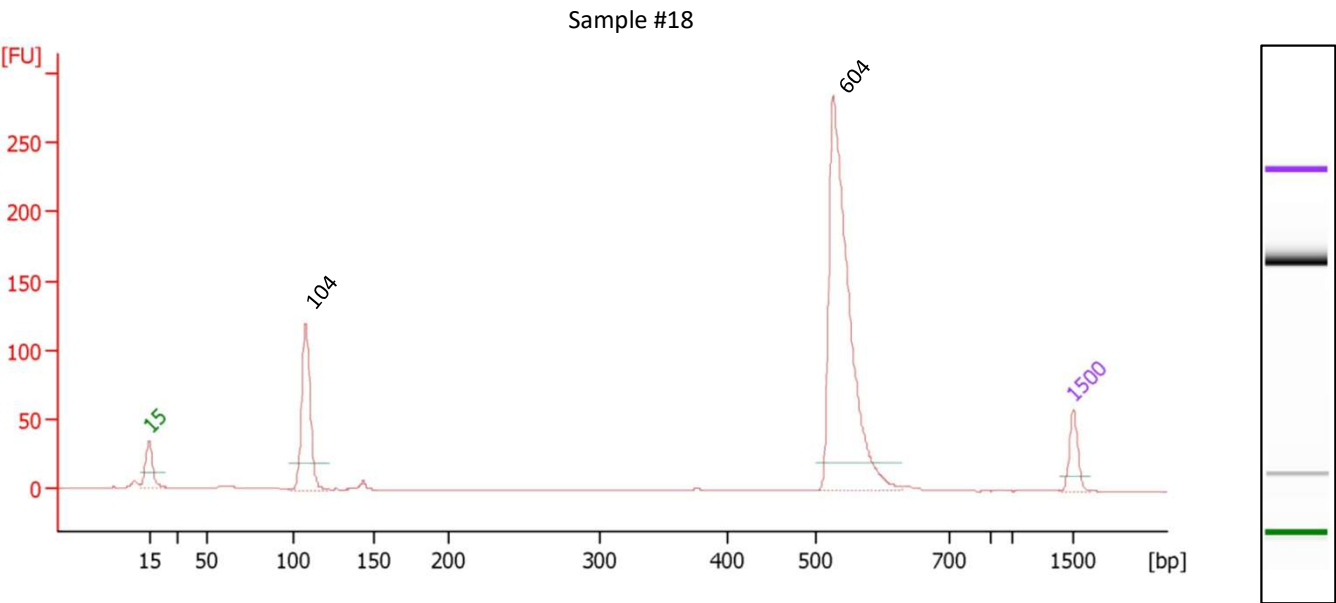
Peak table for Sample #17 :

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	59	7.58	31.2	Ladder Peak
3	140	8.47	31.2	Ladder Peak
4	257	29.58	99.3	Ladder Peak
5	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000  
Data Path: C:\...-4903611\_2023-03-06\_NTS\_11\_20\_XhoI\_MseI.xad

Created: 3/14/2023 13:38:45 PM  
Modified: 3/14/2023 13:38:45 PM

Electrophoresis File Run Summary



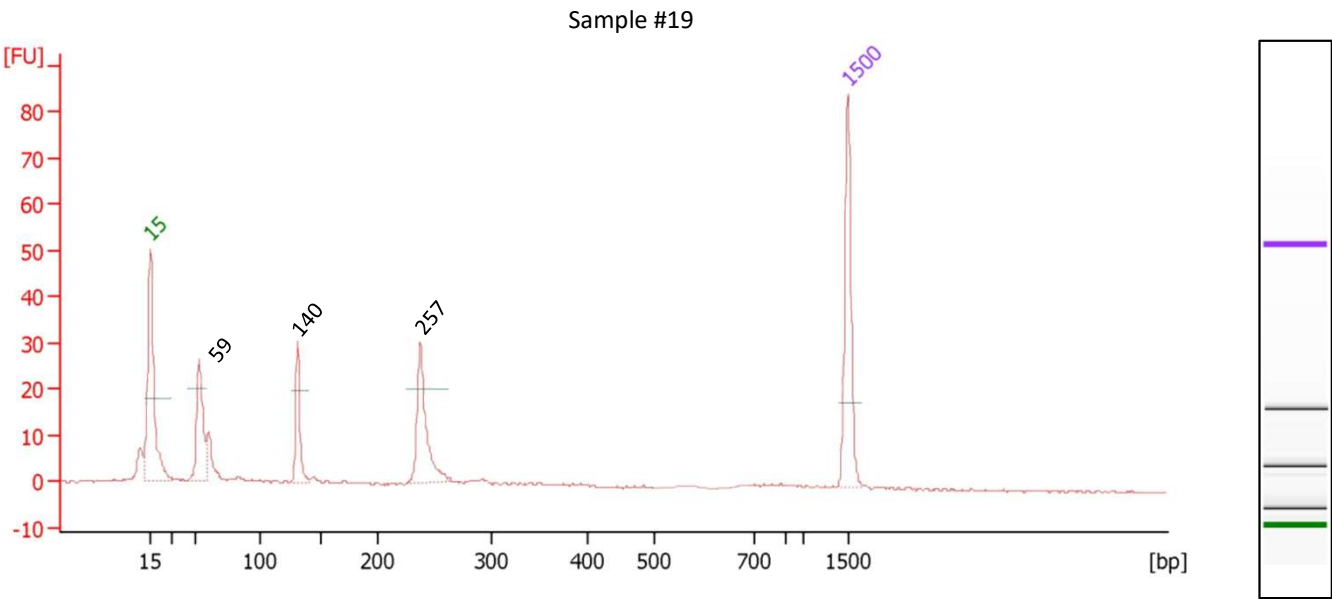
Peak table for Sample #18 :

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.4	Lower Marker
2	604	22.32	95.1	Ladder Peak
3	104	15.22	25.4	Ladder Peak
4	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000  
Data Path: C:\...-4903611\_2023-03-06\_NTS\_11\_20\_XhoI\_MseI.xad

Created: 3/14/2023 13:38:45 PM  
Modified: 3/14/2023 13:38:45 PM

Electrophoresis File Run Summary



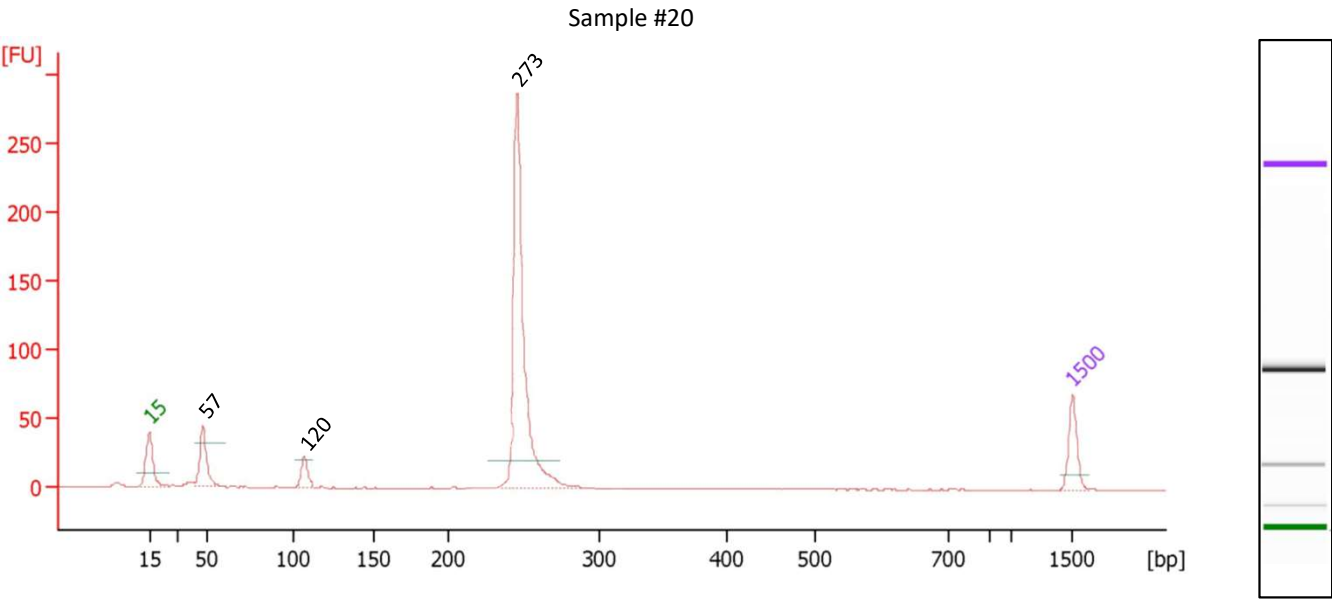
Peak table for Sample #19 :

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	59	8.98	35.8	Ladder Peak
3	140	8.47	33.6	Ladder Peak
4	257	32.87	102.4	Ladder Peak
5	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000  
Data Path: C:\...-4903611\_2023-03-06\_NTS\_11\_20\_XhoI\_MseI.xad

Created: 3/14/2023 13:38:45 PM  
Modified: 3/14/2023 13:38:45 PM

Electrophoresis File Run Summary



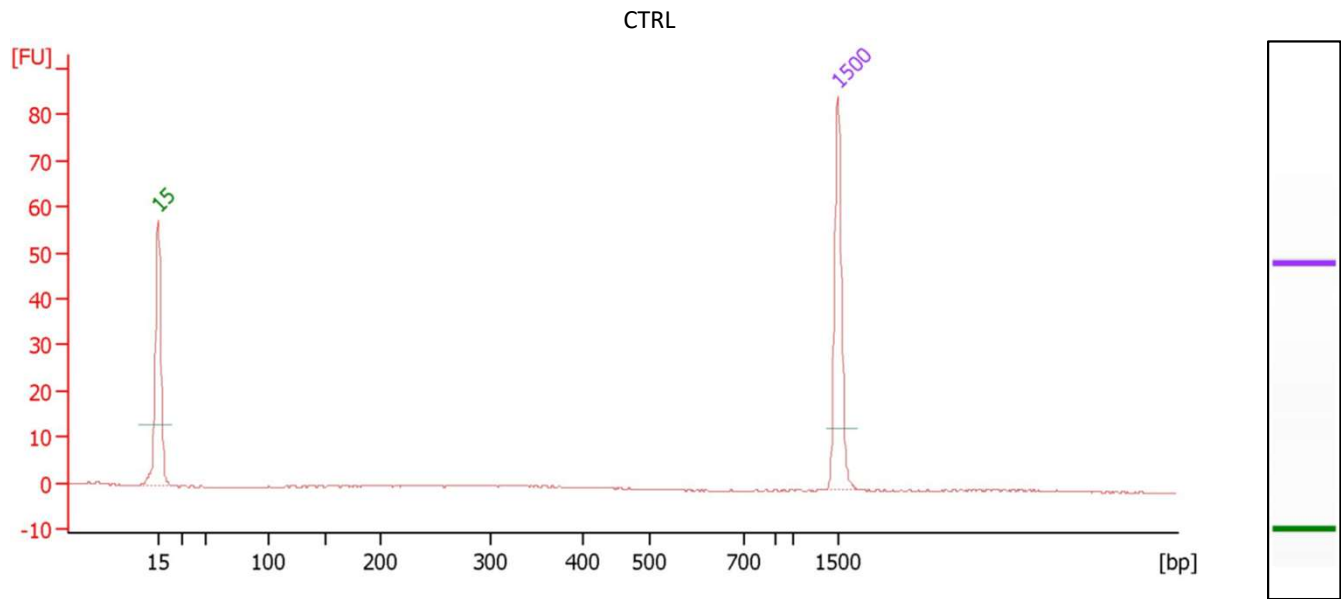
Peak table for Sample #20 :

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.4	Lower Marker
2	57	3.21	84.12	Ladder Peak
3	120	2.23	87.22	Ladder Peak
4	273	31.25	95.36	Ladder Peak
5	1,500	2.10	2.2	Upper Marker

Assay Class: DNA 1000  
Data Path: C:\...-4903611\_2023-03-06\_NTS\_11\_20\_XhoI\_MseI.xad

Created: 3/14/2023 13:38:45 PM  
Modified: 3/14/2023 13:38:45 PM

Electrophoresis File Run Summary



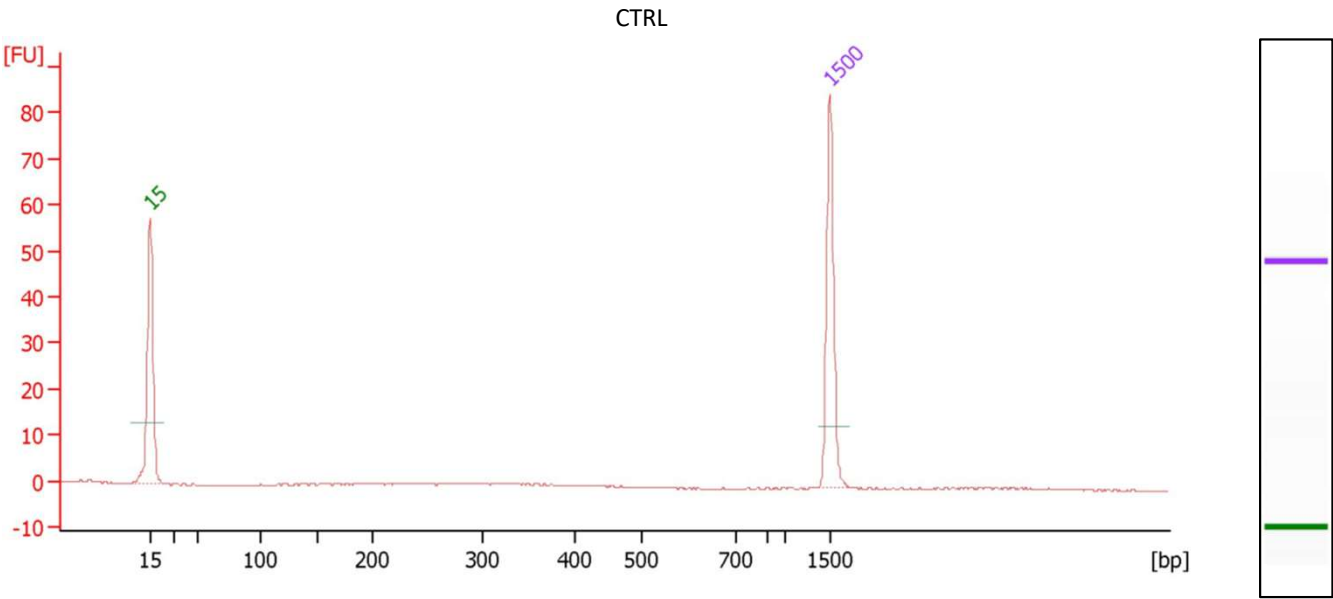
Peak table for Sample CTRL :

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.4	Lower Marker
2	1,500	2.10	2.2	Upper Marker

Assay Class: DNA 1000  
Data Path: C:\...-4903611\_2023-03-06\_NTS\_11\_20\_XhoI\_MseI.xad

Created: 3/14/2023 13:38:45 PM  
Modified: 3/14/2023 13:38:45 PM

Electrophoresis File Run Summary



Peak table for Sample CTRL :

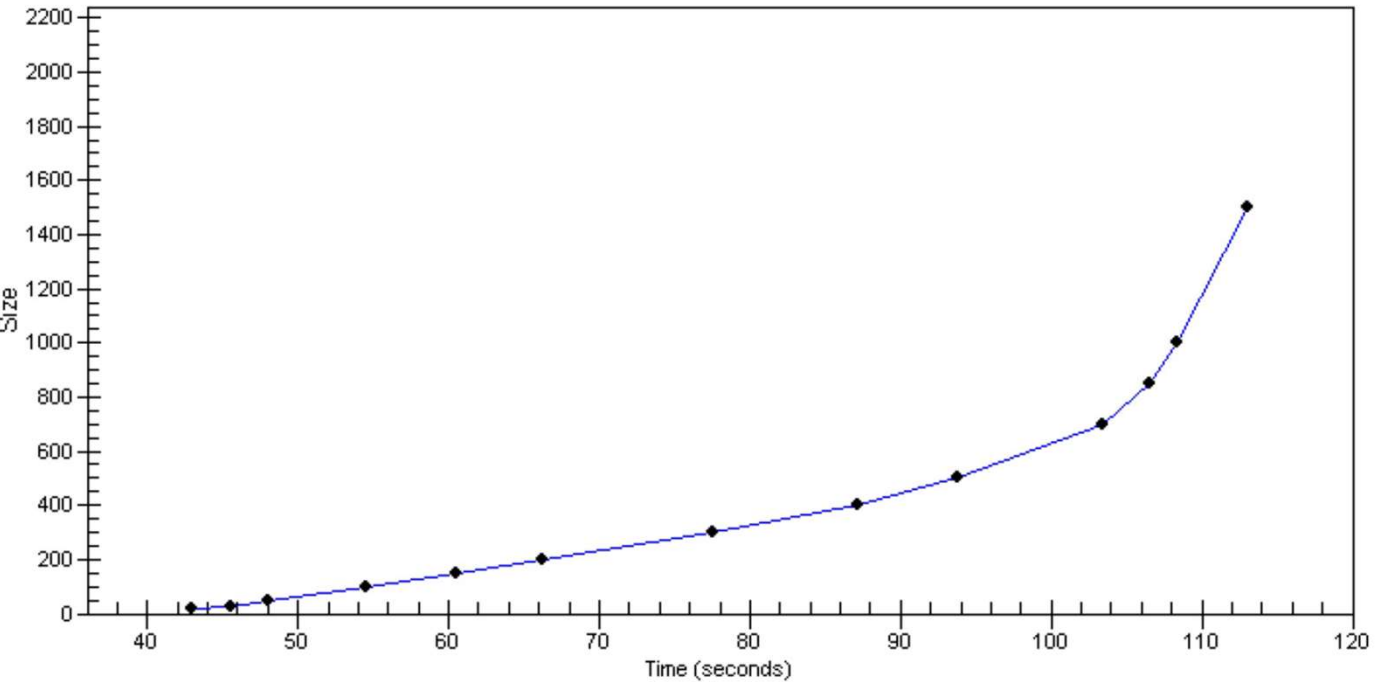
Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.4	Lower Marker
2	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000  
Data Path: C:\...-4903611\_2023-03-06\_NTS\_11\_20\_XhoI\_MseI.xad

Created: 3/14/2023 13:38:45 PM  
Modified: 3/14/2023 13:38:45 PM

Curves

Standard Curve



Assay Class: DNA 1000  
Data Path: C:\...-4903611\_2023-03-06\_NTS\_11\_20\_XhoI\_MseI.xad

Created: 3/14/2023 13:38:45 PM  
Modified: 3/14/2023 13:38:45 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Content	Rest. Digest	Status	Observation	Result Label	Result Color
Sample #1		<input type="checkbox"/>	✓			
Sample #2		<input type="checkbox"/>	✓			
Sample #3		<input type="checkbox"/>	✓			
Sample #4		<input type="checkbox"/>	✓			
Sample #5		<input type="checkbox"/>	✓			
Sample #6		<input type="checkbox"/>	✓			
Sample #7		<input type="checkbox"/>	✓			
Sample #8		<input type="checkbox"/>	✓			
Sample #9		<input type="checkbox"/>	✓			
Sample #10		<input type="checkbox"/>	✓			
CTRL		<input type="checkbox"/>	✓			
CTRL		<input type="checkbox"/>	✓			

Chip Lot # Reagent Kit Lot #

Chip Comments :

Assay Class: DNA 1000  
Data Path: C:\...-4903611\_2023-03-06\_NTS\_11\_20\_Xhol\_Msel.xad

Created: 3/14/2023 13:38:45 PM  
Modified: 3/14/2023 13:38:45 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

Result Label  
Result Color

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