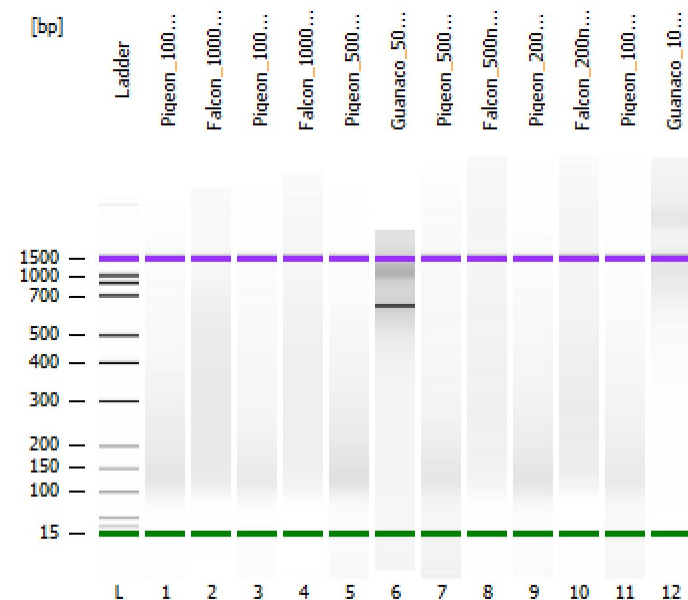


Assay Class: DNA 1000  
Data Path: C:\...-14\2100 expert\_DNA 1000\_DE13804176\_2021-07-14\_15-19-43.xad

Created: 7/14/2021 3:19:43 PM  
Modified: 7/14/2021 4:01:37 PM

**Electrophoresis File Run Summary**Instrument Information:

Instrument Name: 4170\_bioanalyzer  
Serial#: DE13804176

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

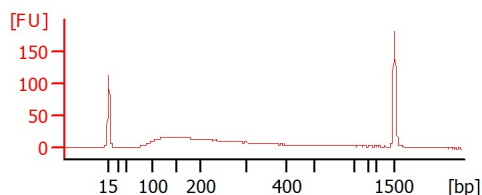
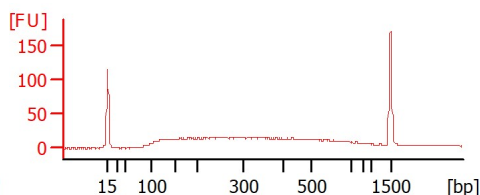
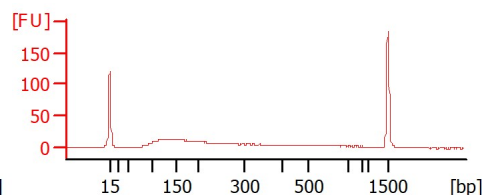
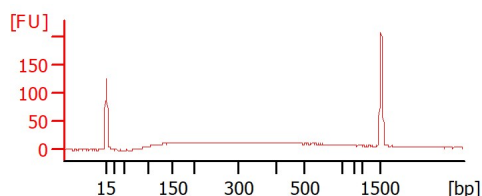
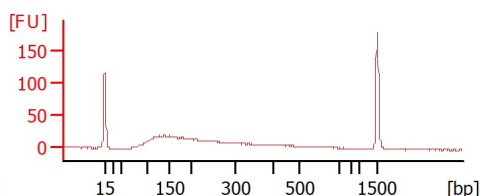
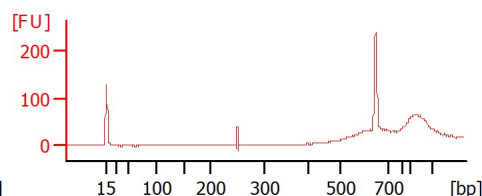
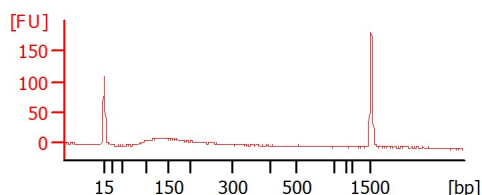
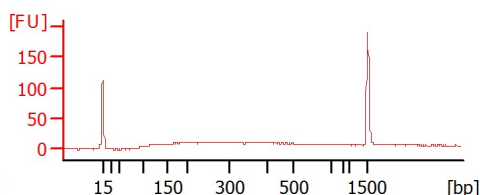
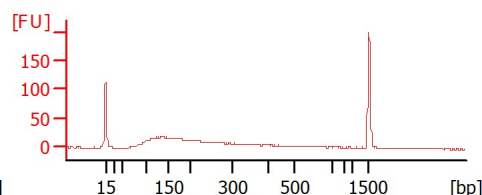
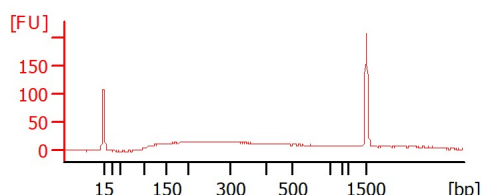
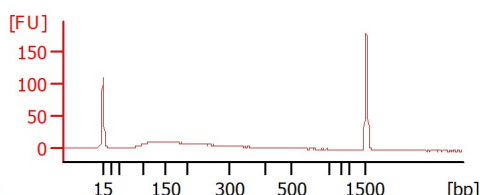
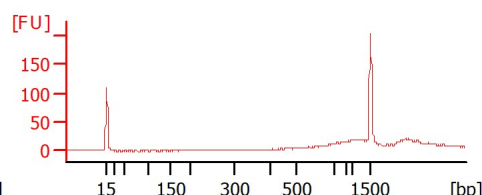
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Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:

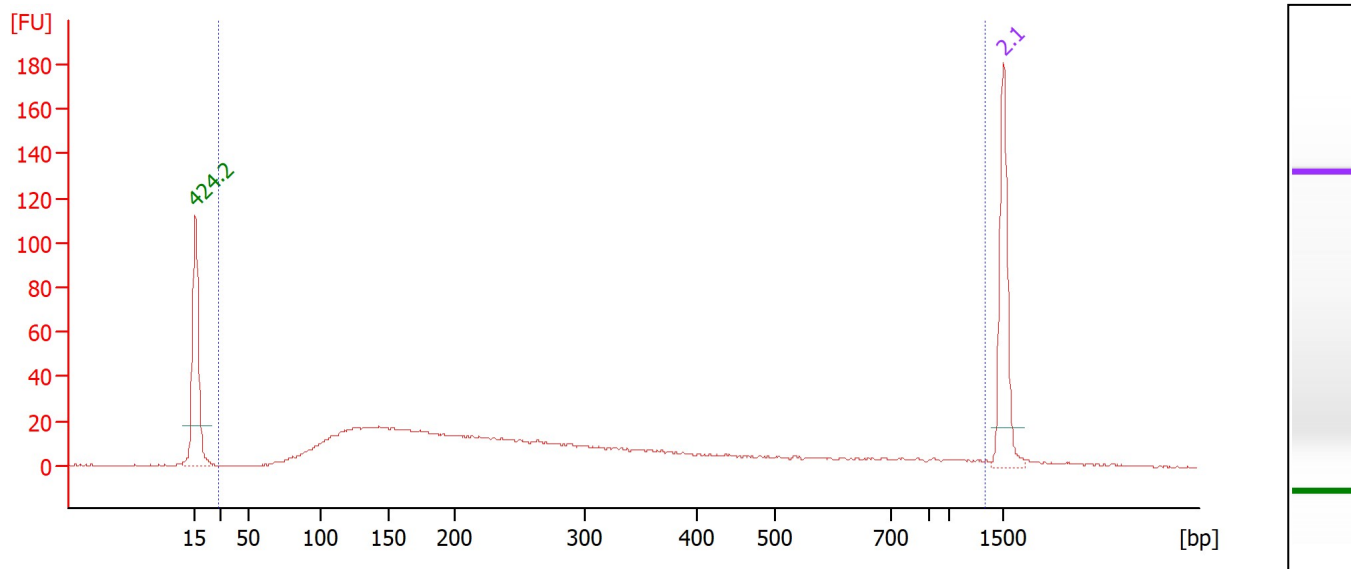
**Pigeon\_1000ng\_50uL****Falcon\_1000ng\_50uL****Pigeon\_1000ng\_25uL****Falcon\_1000ng\_25uL****Pigeon\_500ng\_25uL****Guanaco\_500ng\_25uL****Pigeon\_500ng\_10uL****Falcon\_500ng\_10uL****Pigeon\_200ng\_5uL****Falcon\_200ng\_5uL****Pigeon\_100ng\_5uL****Guanaco\_100ng\_5uL**

Assay Class: DNA 1000  
 Data Path: C:\...-14\2100 expert\_DNA 1000\_DE13804176\_2021-07-14\_15-19-43.xad

Created: 7/14/2021 3:19:43 PM  
 Modified: 7/14/2021 4:01:37 PM

### Electropherogram Summary

Pigeon\_1000ng\_50uL



### Overall Results for sample 1 : Pigeon 1000ng 50uL

Number of peaks found: 0 Area 1: 510.6

### Peak table for sample 1 : Pigeon 1000ng 50uL

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 1 : Pigeon 1000ng 50uL

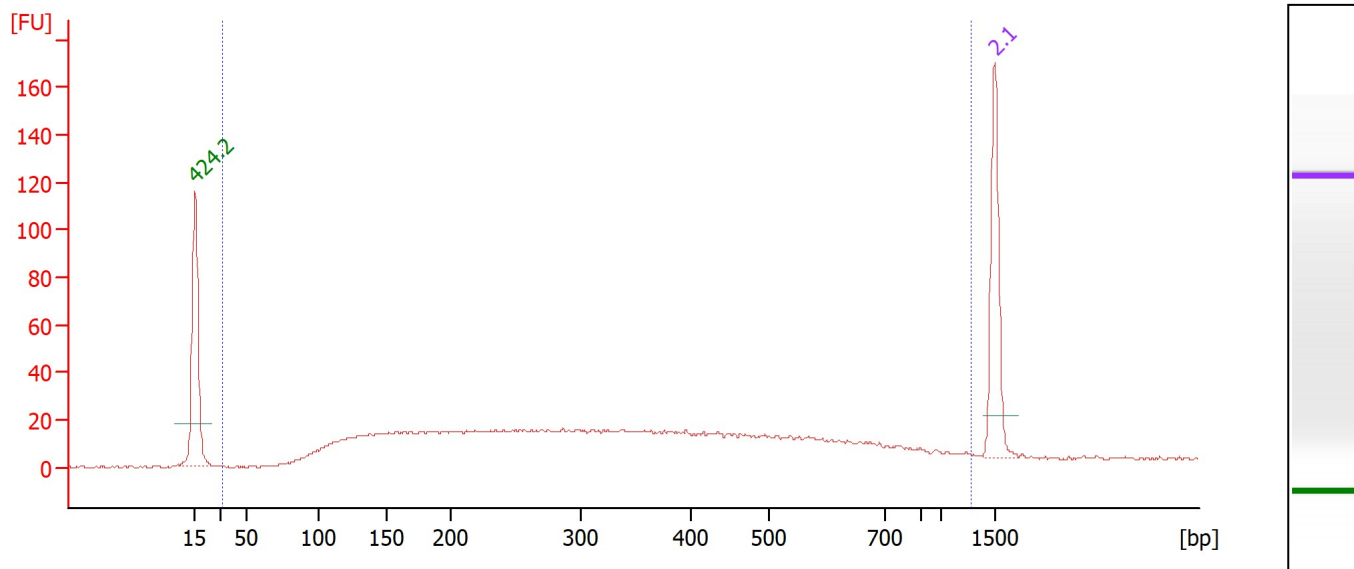
From [bp]	To [bp]	Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [ng/μl]	Co Molarity lor [nmol/l]
24	1,329	510.6	96	300	70.9	12.56	100.8

Assay Class: DNA 1000  
 Data Path: C:\...-14\2100 expert\_DNA 1000\_DE13804176\_2021-07-14\_15-19-43.xad

Created: 7/14/2021 3:19:43 PM  
 Modified: 7/14/2021 4:01:37 PM

**Electropherogram Summary Continued ...**

Falcon\_1000ng\_50uL

**Overall Results for sample 2 : Falcon 1000ng 50uL**

Number of peaks found: 0 Area 1: 625.6

**Peak table for sample 2 : Falcon 1000ng 50uL**

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 2 : Falcon 1000ng 50uL**

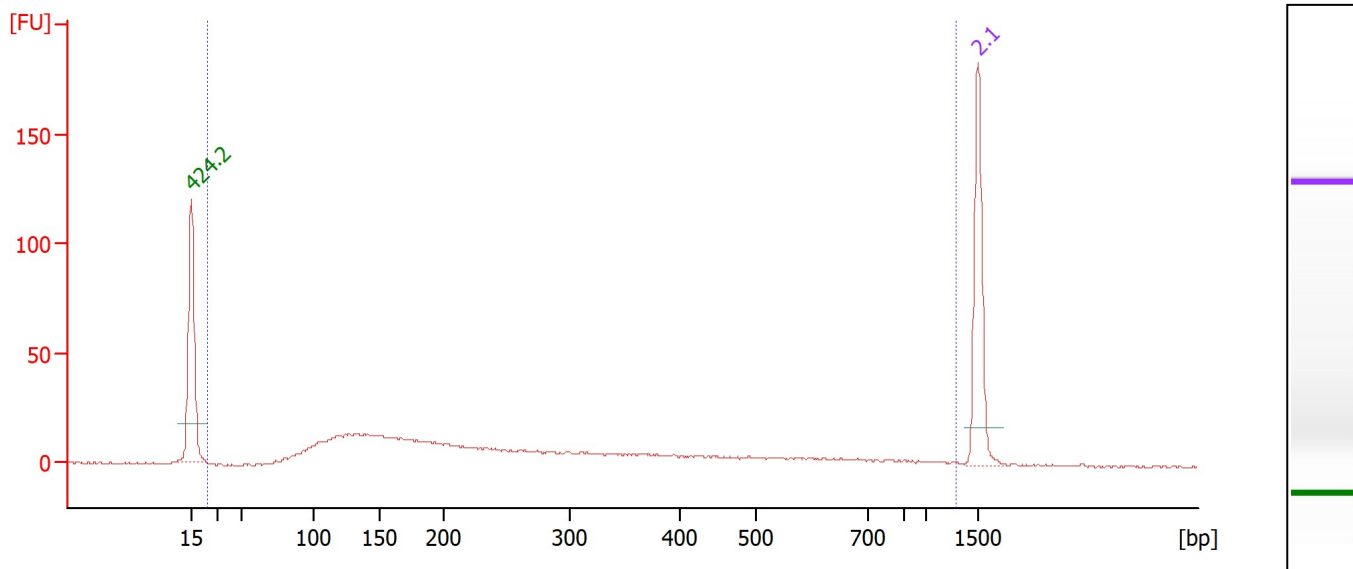
From [bp]	To [bp]	Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [ng/μl]	Co Molarity lor [nmol/l]
27	1,286	625.6	99	351	56.1	15.17	98.4

Assay Class: DNA 1000  
 Data Path: C:\...-14\2100 expert\_DNA 1000\_DE13804176\_2021-07-14\_15-19-43.xad

Created: 7/14/2021 3:19:43 PM  
 Modified: 7/14/2021 4:01:37 PM

**Electropherogram Summary Continued ...**

Pigeon\_1000ng\_25uL

**Overall Results for sample 3 : Pigeon 1000ng 25uL**

Number of peaks found: 0 Area 1: 327.3

**Peak table for sample 3 : Pigeon 1000ng 25uL**

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

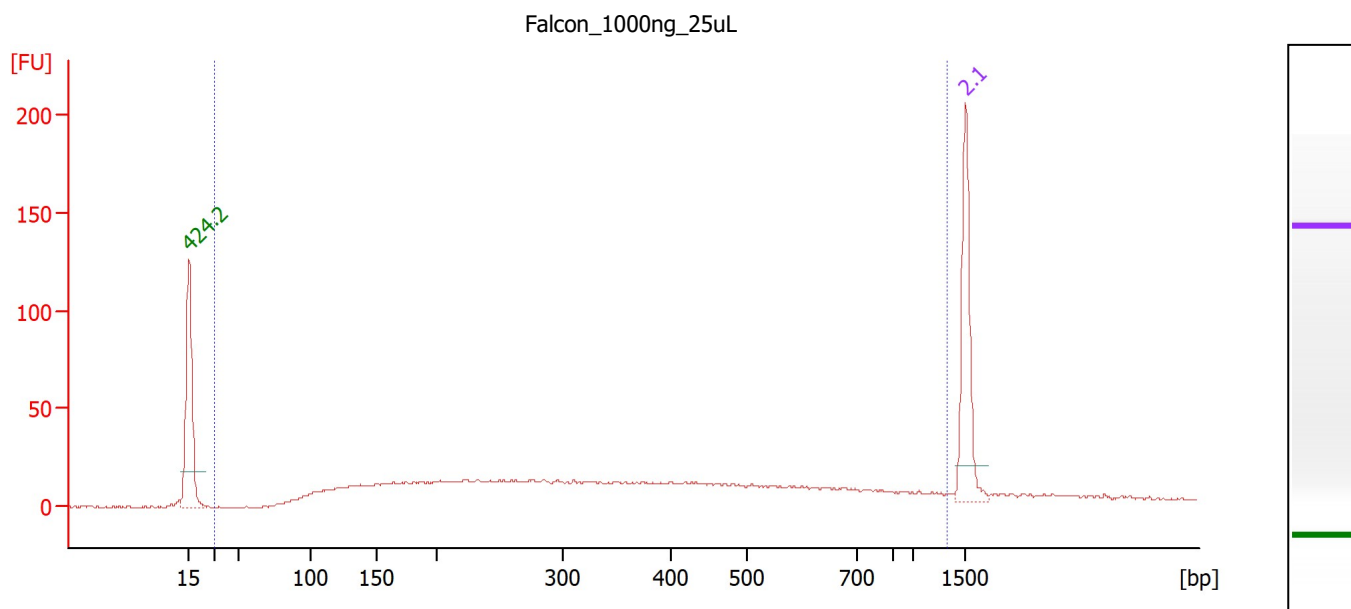
**Region table for sample 3 : Pigeon 1000ng 25uL**

From [bp]	To [bp]	Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [ng/μl]	Co Molarity lor [nmol/l]
21	1,293	327.3	98	292	69.1	8.15	66.7

Assay Class: DNA 1000  
 Data Path: C:\...-14\2100 expert\_DNA 1000\_DE13804176\_2021-07-14\_15-19-43.xad

Created: 7/14/2021 3:19:43 PM  
 Modified: 7/14/2021 4:01:37 PM

### Electropherogram Summary Continued ...



### Overall Results for sample 4 : Falcon 1000ng 25uL

Number of peaks found: 0 Area 1: 515.0

### Peak table for sample 4 : Falcon 1000ng 25uL

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

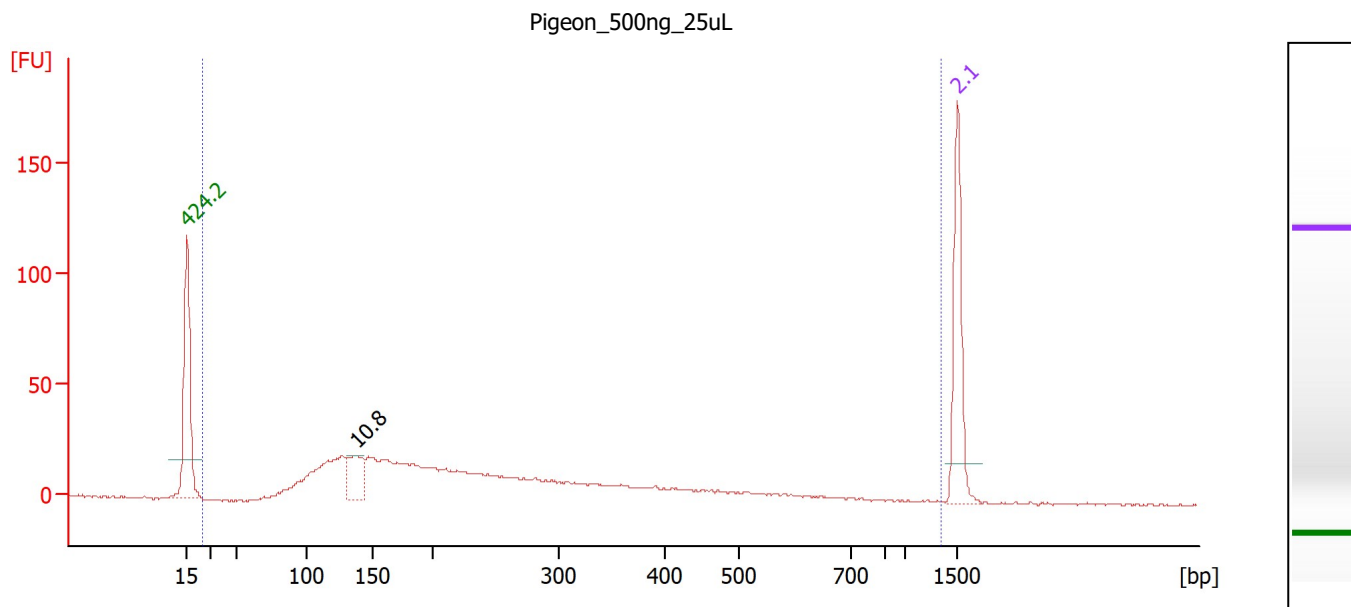
### Region table for sample 4 : Falcon 1000ng 25uL

From [bp]	To [bp]	Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [ng/μl]	Co Molarity lor [nmol/l]
26	1,331	515.0	93	370	60.0	10.26	64.9

Assay Class: DNA 1000  
 Data Path: C:\...-14\2100 expert\_DNA 1000\_DE13804176\_2021-07-14\_15-19-43.xad

Created: 7/14/2021 3:19:43 PM  
 Modified: 7/14/2021 4:01:37 PM

### Electropherogram Summary Continued ...



### Overall Results for sample 5 : Pigeon 500ng 25uL

Number of peaks found: 1      Area 1: 430.9

### Peak table for sample 5 : Pigeon 500ng 25uL

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	138	0.98	10.8	
3	1,500	2.10	2.1	Upper Marker

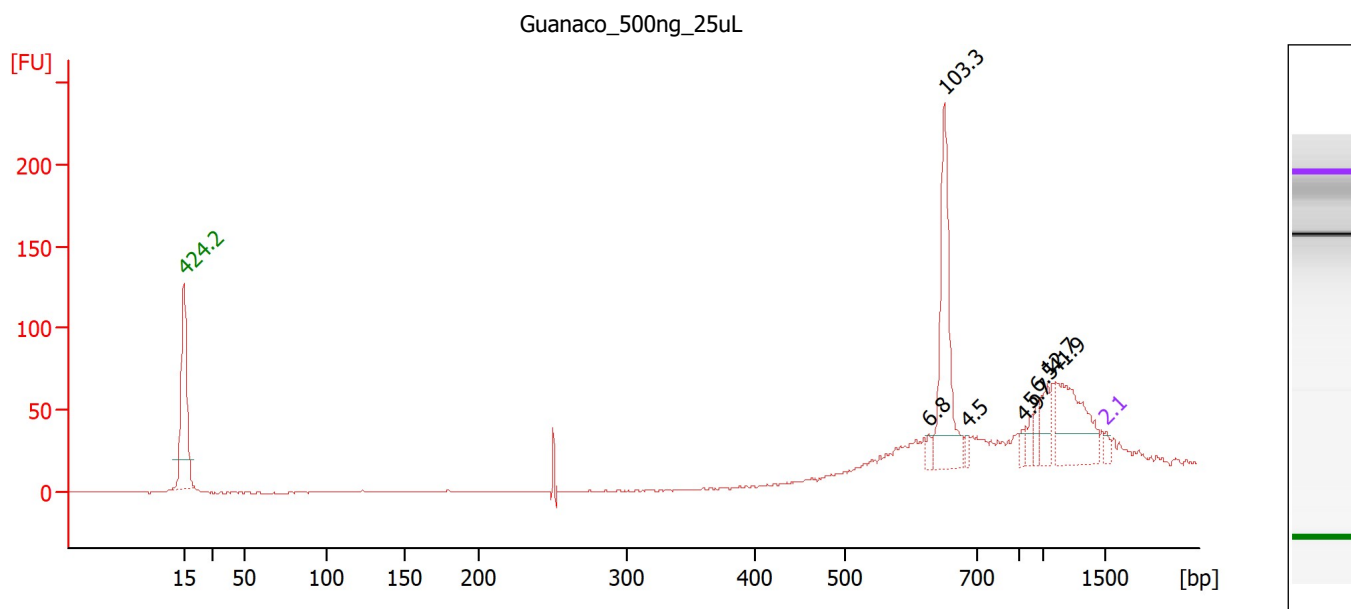
### Region table for sample 5 : Pigeon 500ng 25uL

From [bp]	To [bp]	Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [ng/μl]	Co Molarity lor [nmol/l]
21	1,337	430.9	100	261	60.1	11.50	94.7

Assay Class: DNA 1000  
 Data Path: C:\...-14\2100 expert\_DNA 1000\_DE13804176\_2021-07-14\_15-19-43.xad

Created: 7/14/2021 3:19:43 PM  
 Modified: 7/14/2021 4:01:37 PM

### Electropherogram Summary Continued ...



### Overall Results for sample 6 : Guanaco 500ng 25uL

Number of peaks found: 8

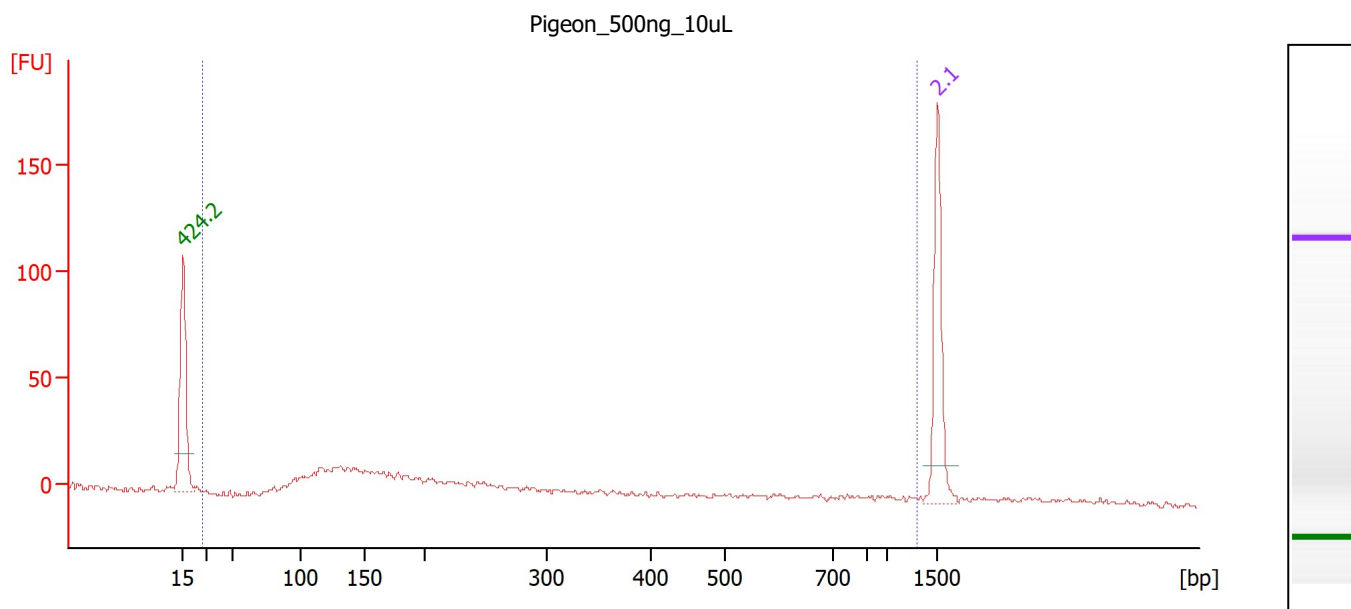
### Peak table for sample 6 : Guanaco 500ng 25uL

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	625	2.82	6.8	
3	649	44.23	103.3	
4	683	2.01	4.5	
5	867	2.81	4.9	
6	923	3.48	5.7	
7	958	4.12	6.5	
8	1,028	8.63	12.7	
9	1,093	30.21	41.9	
10	1,500	2.10	2.1	Upper Marker

Assay Class: DNA 1000  
 Data Path: C:\...-14\2100 expert\_DNA 1000\_DE13804176\_2021-07-14\_15-19-43.xad

Created: 7/14/2021 3:19:43 PM  
 Modified: 7/14/2021 4:01:37 PM

### Electropherogram Summary Continued ...



### Overall Results for sample 7 : Pigeon 500ng 10uL

Number of peaks found: 0 Area 1: 170.5

### Peak table for sample 7 : Pigeon 500ng 10uL

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 7 : Pigeon 500ng 10uL

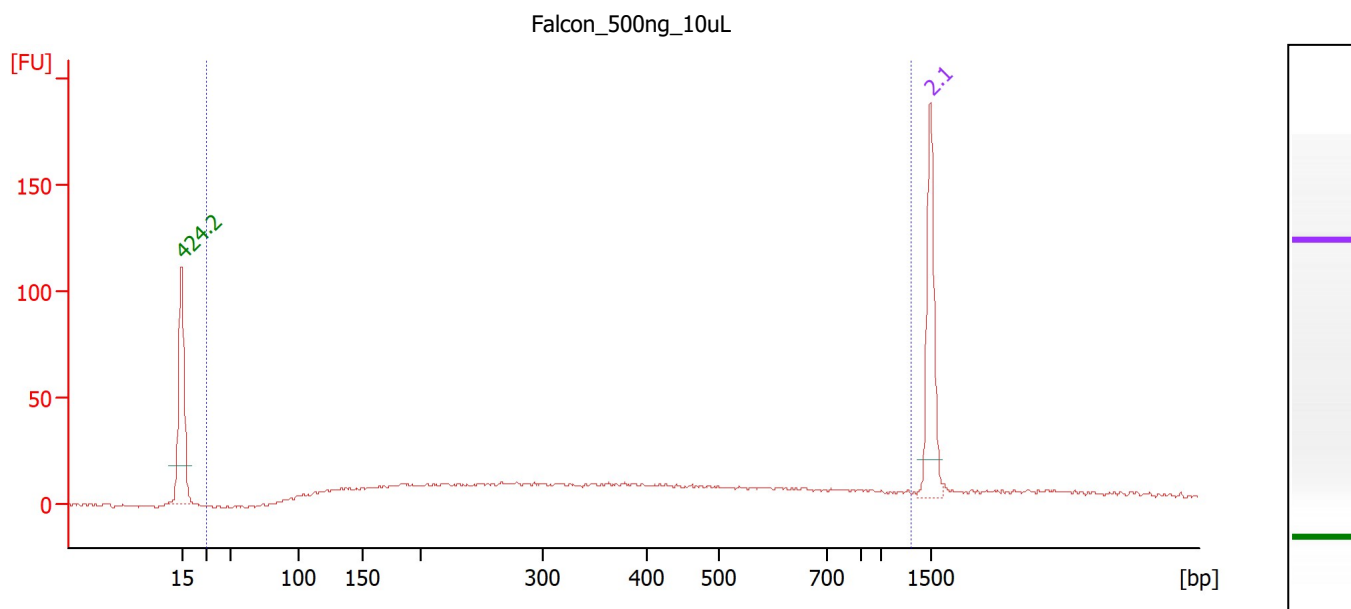
From [bp]	To [bp]	Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [ng/μl]	Co Molarity lor [nmol/l]
23	1,293	170.5	82	274	82.6	4.65	40.5



Assay Class: DNA 1000  
 Data Path: C:\...-14\2100 expert\_DNA 1000\_DE13804176\_2021-07-14\_15-19-43.xad

Created: 7/14/2021 3:19:43 PM  
 Modified: 7/14/2021 4:01:37 PM

### Electropherogram Summary Continued ...



### Overall Results for sample 8 : Falcon 500ng 10uL

Number of peaks found: 0 Area 1: 340.1

### Peak table for sample 8 : Falcon 500ng 10uL

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

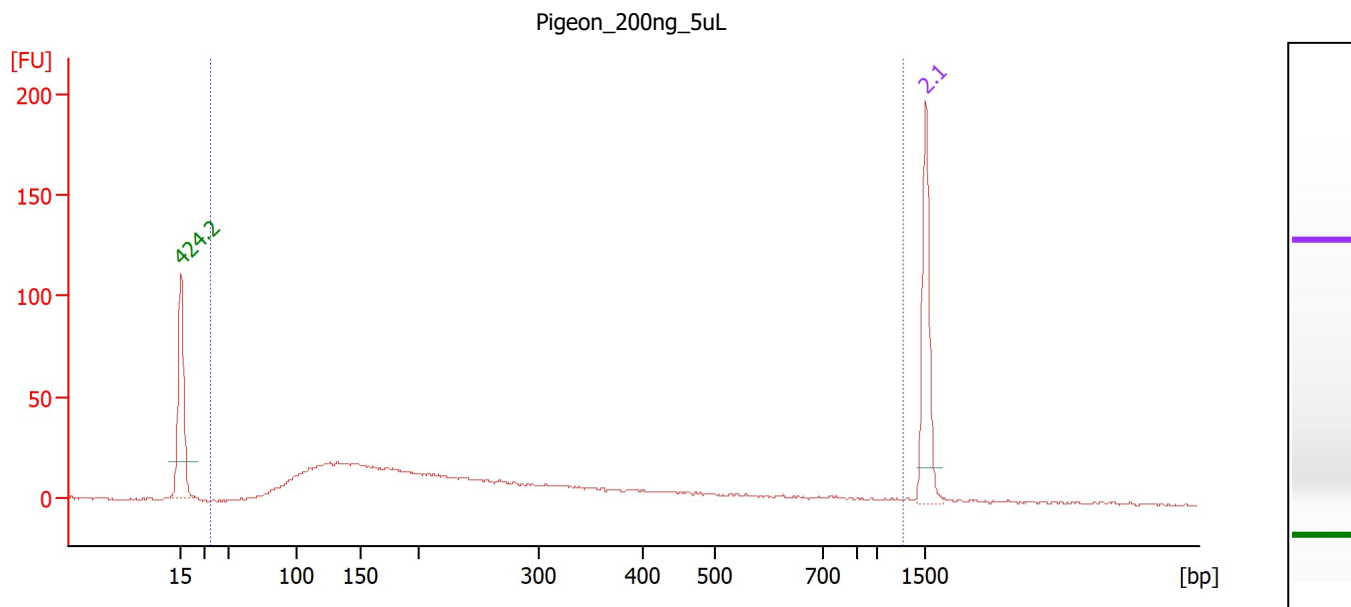
### Region table for sample 8 : Falcon 500ng 10uL

From [bp]	To [bp]	Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [ng/μl]	Co Molarity lor [nmol/l]
26	1,304	340.1	88	375	58.8	7.97	48.8

Assay Class: DNA 1000  
 Data Path: C:\...-14\2100 expert\_DNA 1000\_DE13804176\_2021-07-14\_15-19-43.xad

Created: 7/14/2021 3:19:43 PM  
 Modified: 7/14/2021 4:01:37 PM

### Electropherogram Summary Continued ...



### Overall Results for sample 9 : Pigeon 200ng 5uL

Number of peaks found: 0 Area 1: 433.2

### Peak table for sample 9 : Pigeon 200ng 5uL

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

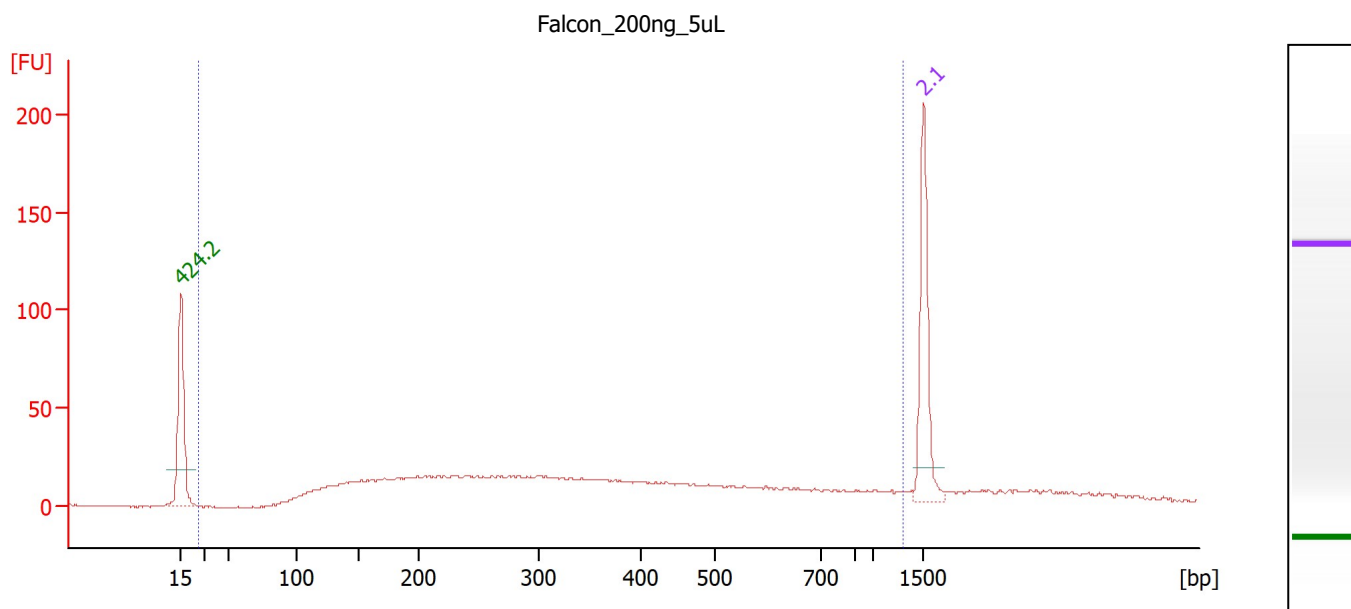
### Region table for sample 9 : Pigeon 200ng 5uL

From [bp]	To [bp]	Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [ng/μl]	Co Molarity lor [nmol/l]
30	1,275	433.2	94	278	68.0	11.20	93.4

Assay Class: DNA 1000  
 Data Path: C:\...-14\2100 expert\_DNA 1000\_DE13804176\_2021-07-14\_15-19-43.xad

Created: 7/14/2021 3:19:43 PM  
 Modified: 7/14/2021 4:01:37 PM

### Electropherogram Summary Continued ...



### Overall Results for sample 10 : Falcon 200ng 5uL

Number of peaks found: 0 Area 1: 533.4

### Peak table for sample 10 : Falcon 200ng 5uL

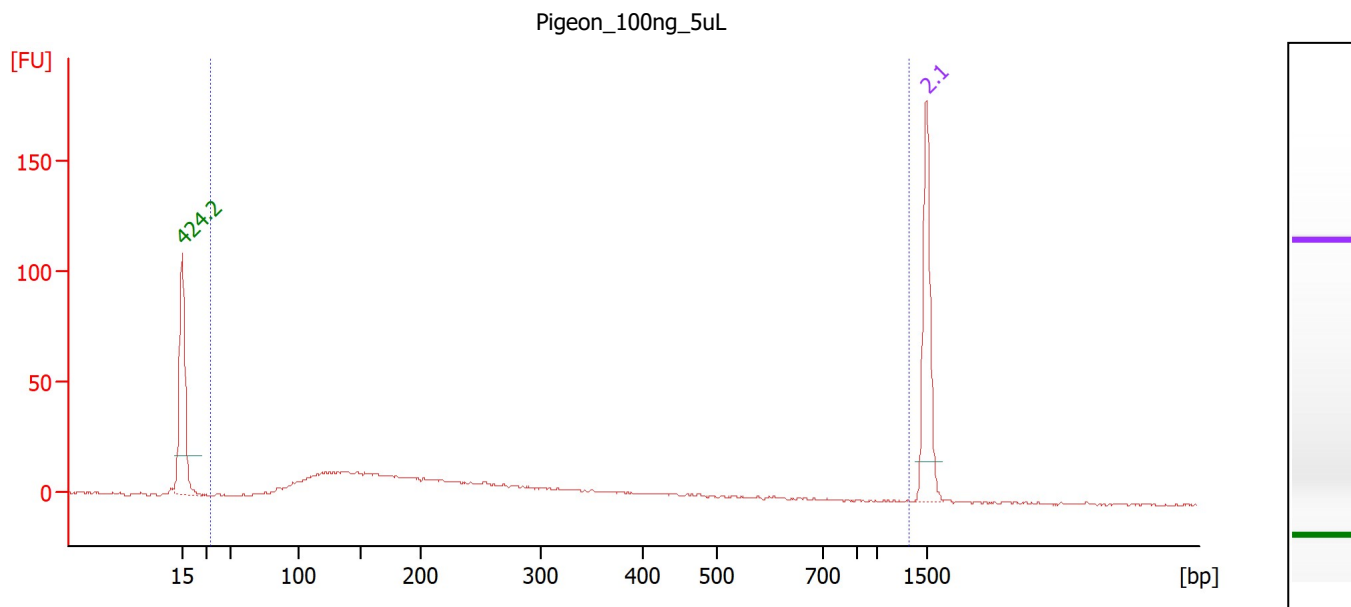
Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	1,500	2.10	2.1	Upper Marker

### Region table for sample 10 : Falcon 200ng 5uL

From [bp]	To [bp]	Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [ng/μl]	Co Molarity lor [nmol/l]
23	1,297	533.4	88	364	59.6	10.91	67.5

Assay Class: DNA 1000  
 Data Path: C:\...-14\2100 expert\_DNA 1000\_DE13804176\_2021-07-14\_15-19-43.xad

Created: 7/14/2021 3:19:43 PM  
 Modified: 7/14/2021 4:01:37 PM

**Electropherogram Summary Continued ...****Overall Results for sample 11 : Pigeon 100ng 5uL**

Number of peaks found: 0      Area 1: 220.3

**Peak table for sample 11 : Pigeon 100ng 5uL**

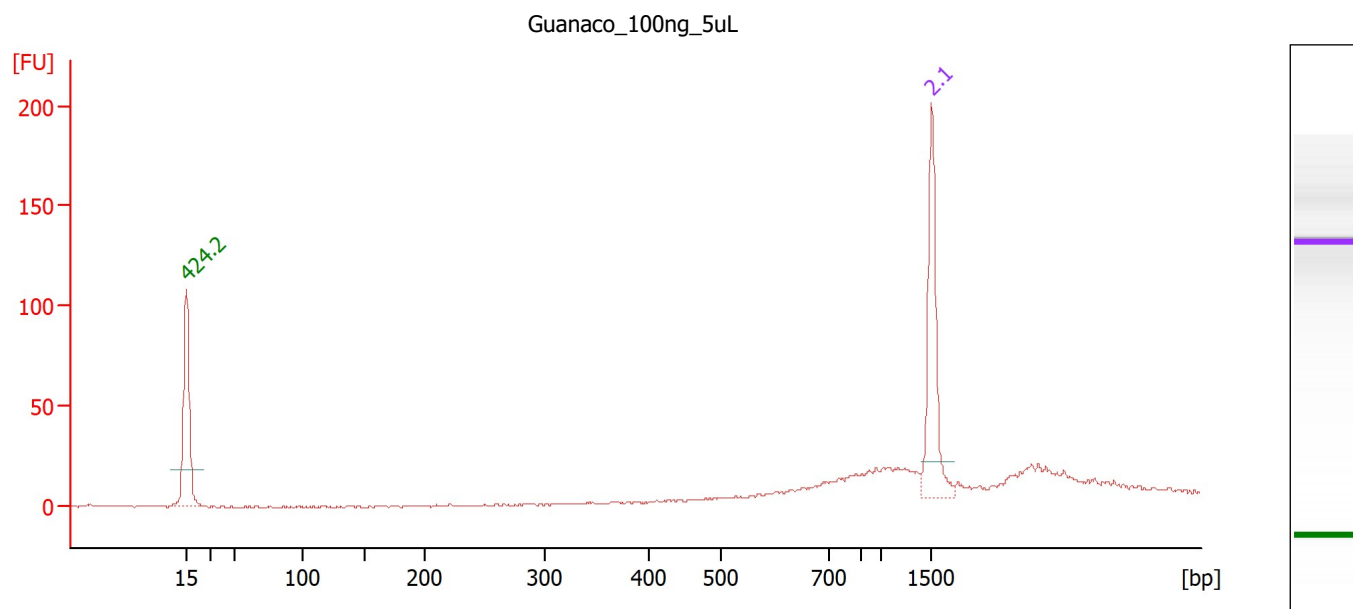
Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	1,500	2.10	2.1	Upper Marker

**Region table for sample 11 : Pigeon 100ng 5uL**

From [bp]	To [bp]	Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [ng/μl]	Co Molarity lor [nmol/l]
29	1,325	220.3	99	239	55.0	6.37	54.7

Assay Class: DNA 1000  
Data Path: C:\...-14\2100 expert\_DNA 1000\_DE13804176\_2021-07-14\_15-19-43.xad

Created: 7/14/2021 3:19:43 PM  
Modified: 7/14/2021 4:01:37 PM

**Electropherogram Summary Continued ...****Overall Results for sample 12 : Guanaco 100ng 5uL**

Number of peaks found: 0

**Peak table for sample 12 : Guanaco 100ng 5uL**

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  
Data Path: C:\...-14\2100 expert\_DNA 1000\_DE13804176\_2021-07-14\_15-19-43.xad

Created: 7/14/2021 3:19:43 PM  
Modified: 7/14/2021 4:01:37 PM

**Gel Image**