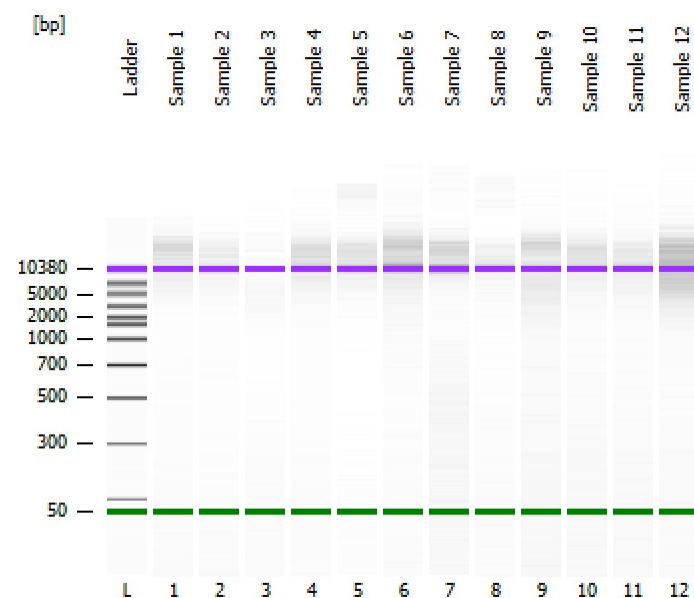


Assay Class: DNA 7500
Data Path: C:\...-30\2100 expert_DNA 7500_DE13804176_2021-08-30_11-02-09.xad

Created: 8/30/2021 11:02:08 AM
Modified: 8/30/2021 11:41:05 AM

Electrophoresis File Run SummaryInstrument 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 7500 Series II.xsy

Assay Class: DNA 7500

Version: 2.3

Assay Comments: DNA Analysis 100 -7500 bp

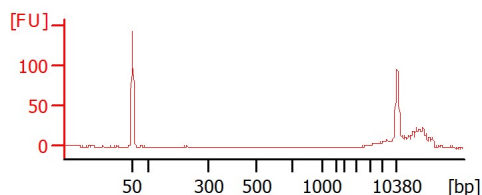
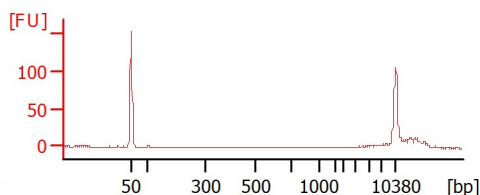
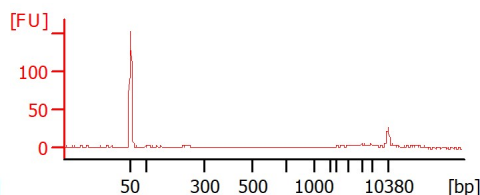
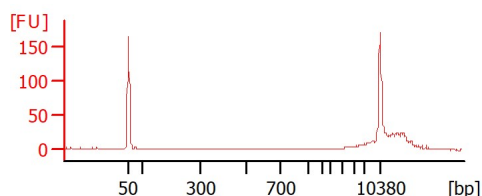
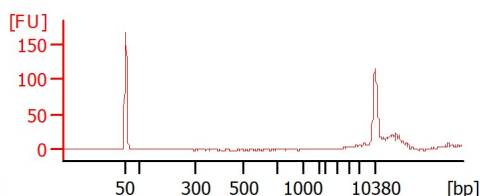
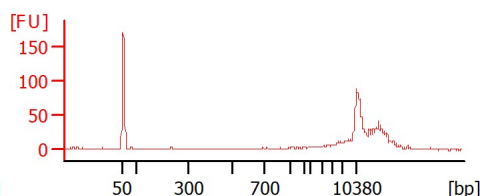
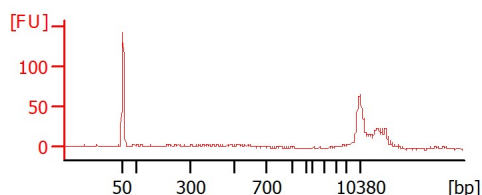
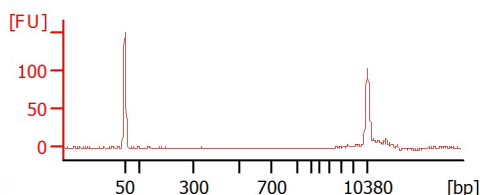
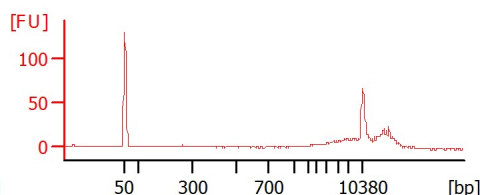
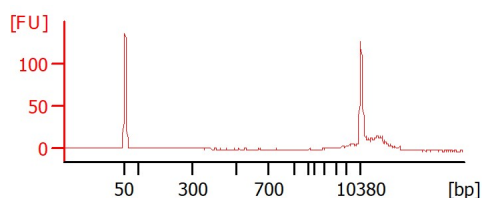
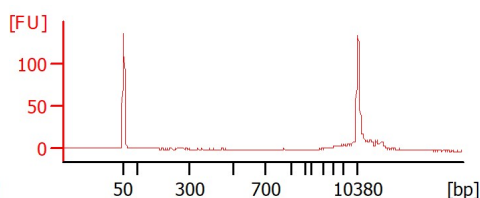
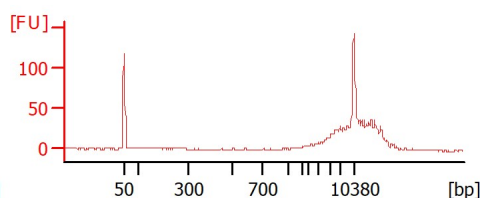
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Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:

Sample 1**Sample 2****Sample 3****Sample 4****Sample 5****Sample 6****Sample 7****Sample 8****Sample 9****Sample 10****Sample 11****Sample 12**

Assay Class: DNA 7500
Data Path: C:\...-30\2100 expert_DNA 7500_DE13804176_2021-08-30_11-02-09.xad

Created: 8/30/2021 11:02:08 AM
Modified: 8/30/2021 11:41:05 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	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"/>	✓			
Sample 11		<input type="checkbox"/>	✓			
Sample 12		<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

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

Assay Class: DNA 7500
Data Path: C:\...-30\2100 expert_DNA 7500_DE13804176_2021-08-30_11-02-09.xad

Created: 8/30/2021 11:02:08 AM
Modified: 8/30/2021 11:41:05 AM

Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 13

Minimum Visible Range [s] : 20

Maximum Visible Range [s] : 94

Start Analysis Time Range [s] : 20

End Analysis Time Range [s] : 93.95

Ladder Concentration [ng/μl] : 40

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

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] : 93.95

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

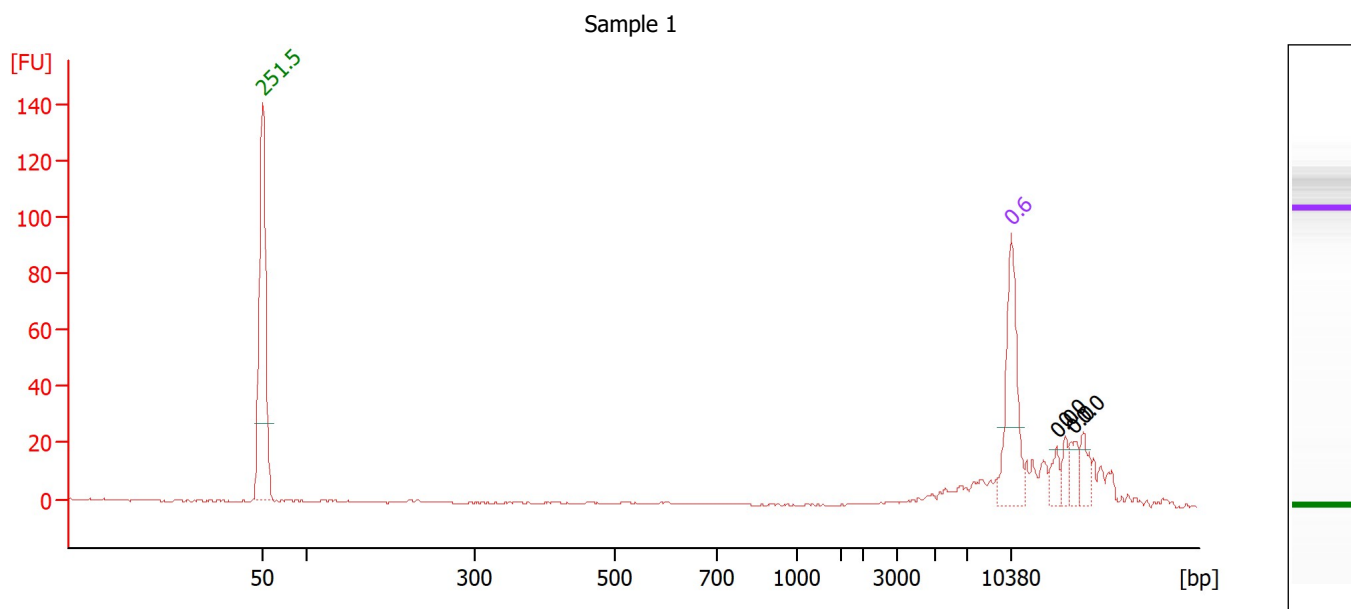
Ladder

Ladder Peak	Size	Area
1	50	120
2	100	47
3	300	63
4	500	81
5	700	85
6	1000	93
7	1500	101
8	2000	101
9	3000	106
10	5000	108
11	7000	109
12	10380	107

Assay Class: DNA 7500
 Data Path: C:\...-30\2100 expert_DNA 7500_DE13804176_2021-08-30_11-02-09.xad

Created: 8/30/2021 11:02:08 AM
 Modified: 8/30/2021 11:41:05 AM

Electropherogram Summary



Overall Results for sample 1 : Sample 1

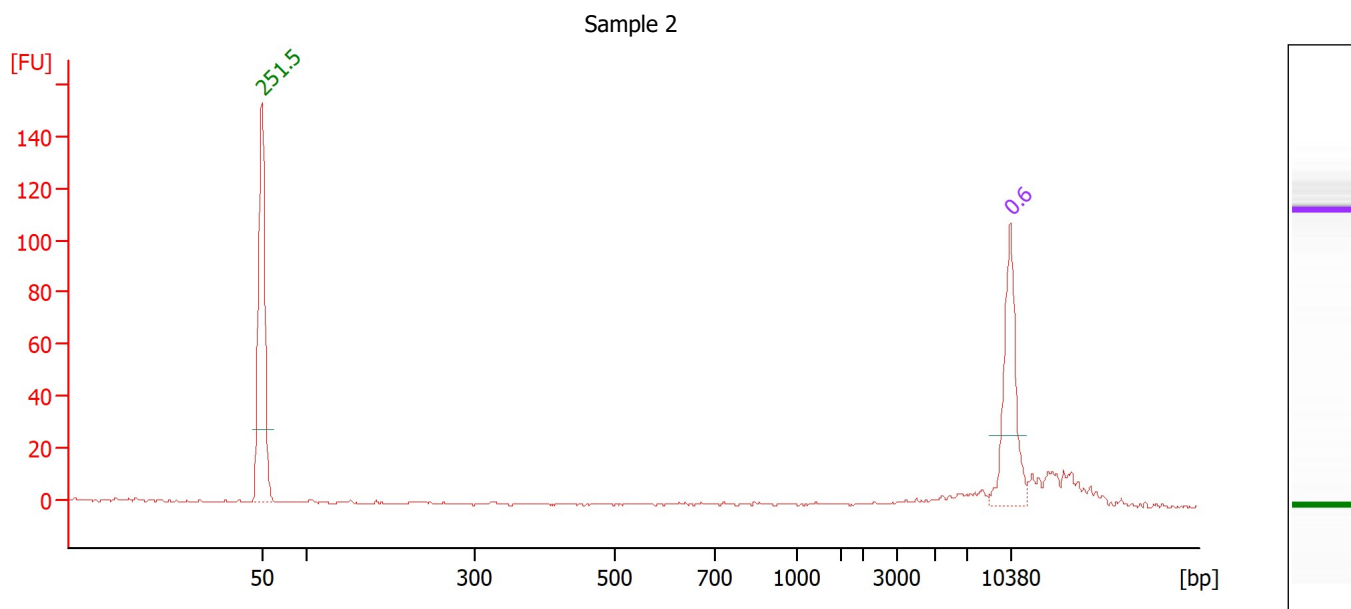
Number of peaks found: 0

Peak table for sample 1 : Sample 1

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	10,380	4.20	0.6	Upper Marker
3	13,867	0.00	0.0	
4	14,576	0.00	0.0	
5	15,226	0.00	0.0	
6	15,935	0.00	0.0	

Assay Class: DNA 7500
Data Path: C:\...-30\2100 expert_DNA 7500_DE13804176_2021-08-30_11-02-09.xad

Created: 8/30/2021 11:02:08 AM
Modified: 8/30/2021 11:41:05 AM

Electropherogram Summary Continued ...**Overall Results for sample 2 : Sample 2**

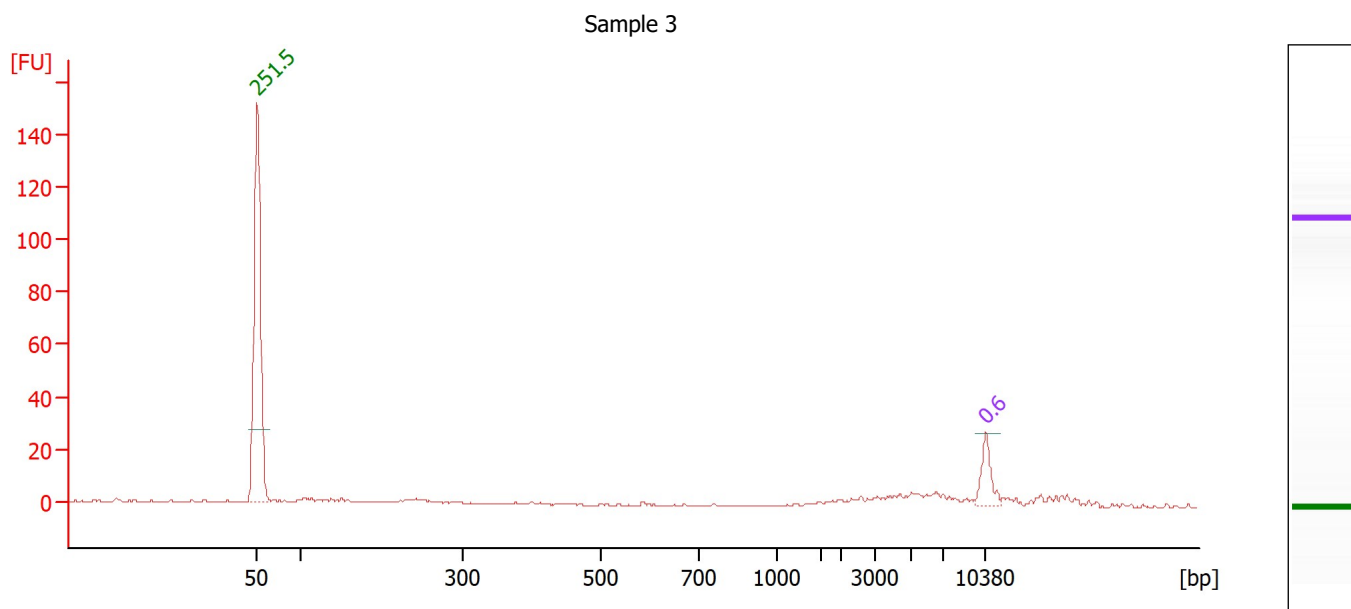
Number of peaks found: 0

Peak table for sample 2 : Sample 2

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	10,380	4.20	0.6	Upper Marker

Assay Class: DNA 7500
Data Path: C:\...-30\2100 expert_DNA 7500_DE13804176_2021-08-30_11-02-09.xad

Created: 8/30/2021 11:02:08 AM
Modified: 8/30/2021 11:41:05 AM

Electropherogram Summary Continued ...**Overall Results for sample 3 : Sample 3**

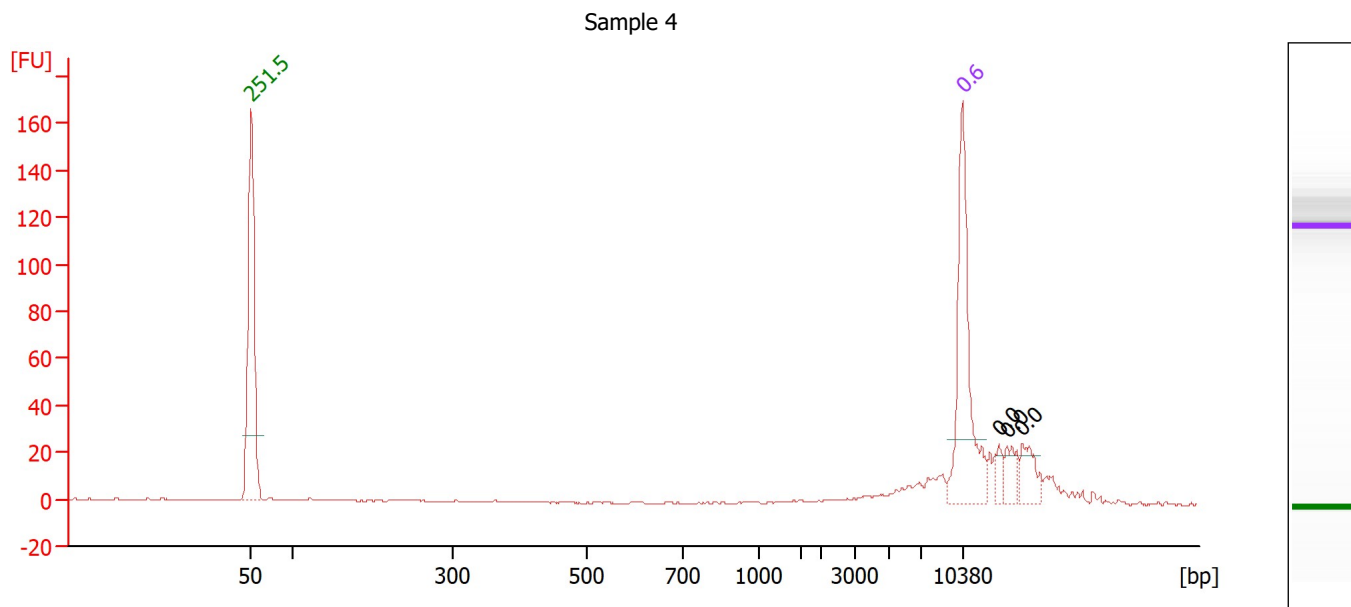
Number of peaks found: 0

Peak table for sample 3 : Sample 3

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	10,380	4.20	0.6	Upper Marker

Assay Class: DNA 7500
Data Path: C:\...-30\2100 expert_DNA 7500_DE13804176_2021-08-30_11-02-09.xad

Created: 8/30/2021 11:02:08 AM
Modified: 8/30/2021 11:41:05 AM

Electropherogram Summary Continued ...**Overall Results for sample 4 : Sample 4**

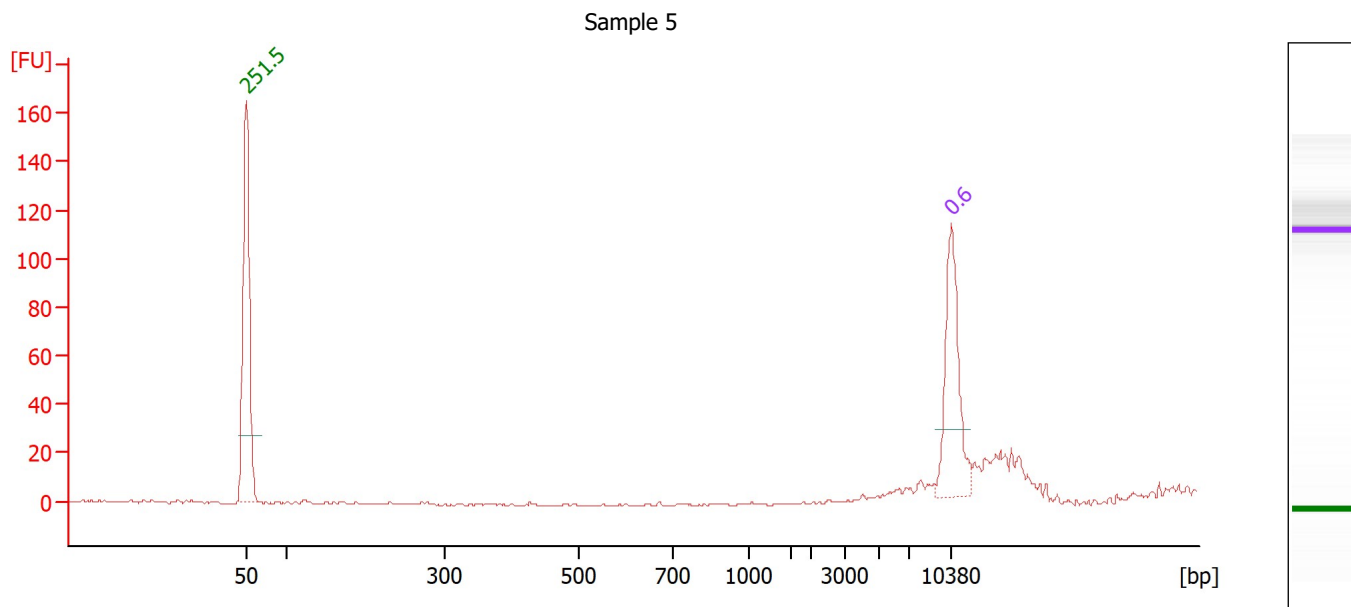
Number of peaks found: 0

Peak table for sample 4 : Sample 4

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	10,380	4.20	0.6	Upper Marker
3	13,366	0.00	0.0	
4	14,050	0.00	0.0	
5	15,232	0.00	0.0	

Assay Class: DNA 7500
Data Path: C:\...-30\2100 expert_DNA 7500_DE13804176_2021-08-30_11-02-09.xad

Created: 8/30/2021 11:02:08 AM
Modified: 8/30/2021 11:41:05 AM

Electropherogram Summary Continued ...**Overall Results for sample 5 : Sample 5**

Number of peaks found: 0

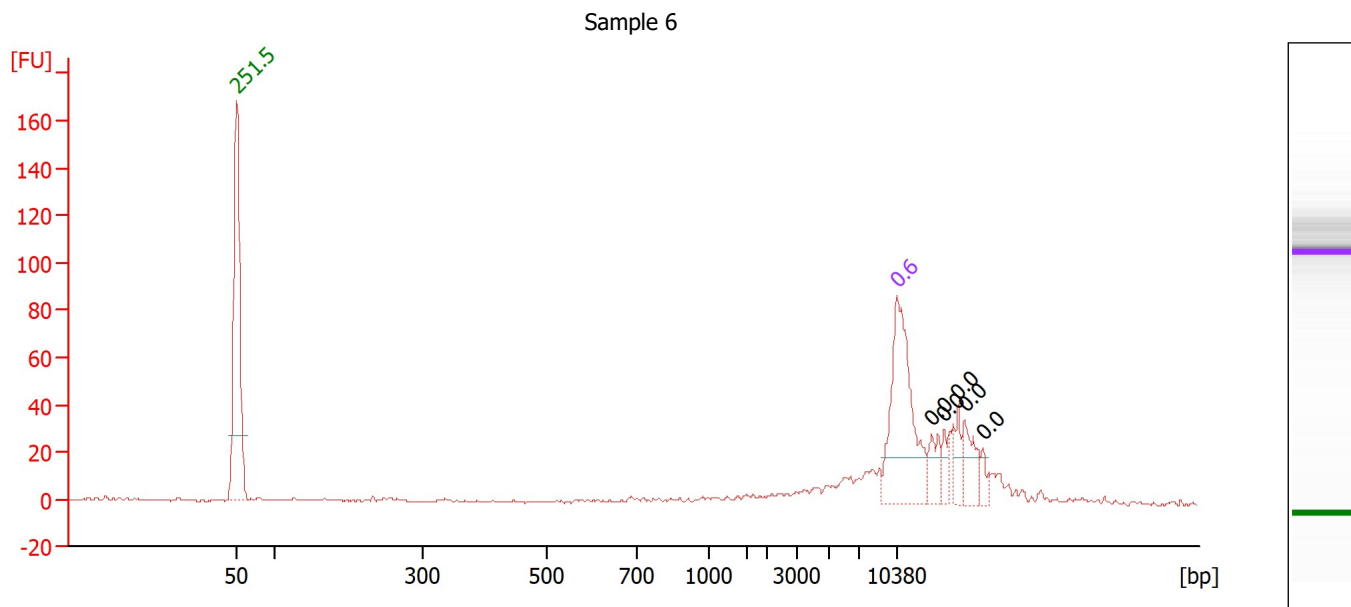
Peak table for sample 5 : Sample 5

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	10,380	4.20	0.6	Upper Marker

Assay Class: DNA 7500
 Data Path: C:\...-30\2100 expert_DNA 7500_DE13804176_2021-08-30_11-02-09.xad

Created: 8/30/2021 11:02:08 AM
 Modified: 8/30/2021 11:41:05 AM

Electropherogram Summary Continued ...



Overall Results for sample 6 : Sample 6

Number of peaks found: 0

Peak table for sample 6 : Sample 6

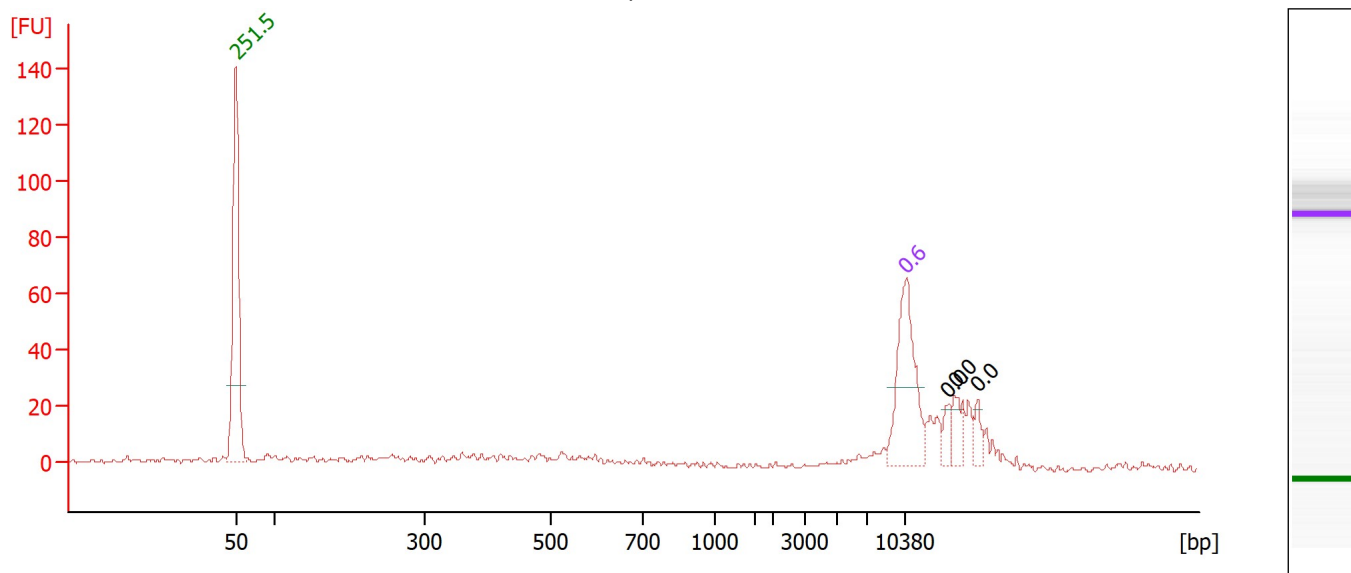
Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	10,380	4.20	0.6	Upper Marker
3	13,464	0.00	0.0	
4	14,536	0.00	0.0	
5	15,743	0.00	0.0	
6	16,346	0.00	0.0	
7	17,888	0.00	0.0	

Assay Class: DNA 7500
 Data Path: C:\...-30\2100 expert_DNA 7500_DE13804176_2021-08-30_11-02-09.xad

Created: 8/30/2021 11:02:08 AM
 Modified: 8/30/2021 11:41:05 AM

Electropherogram Summary Continued ...

Sample 7

**Overall Results for sample 7 : Sample 7**

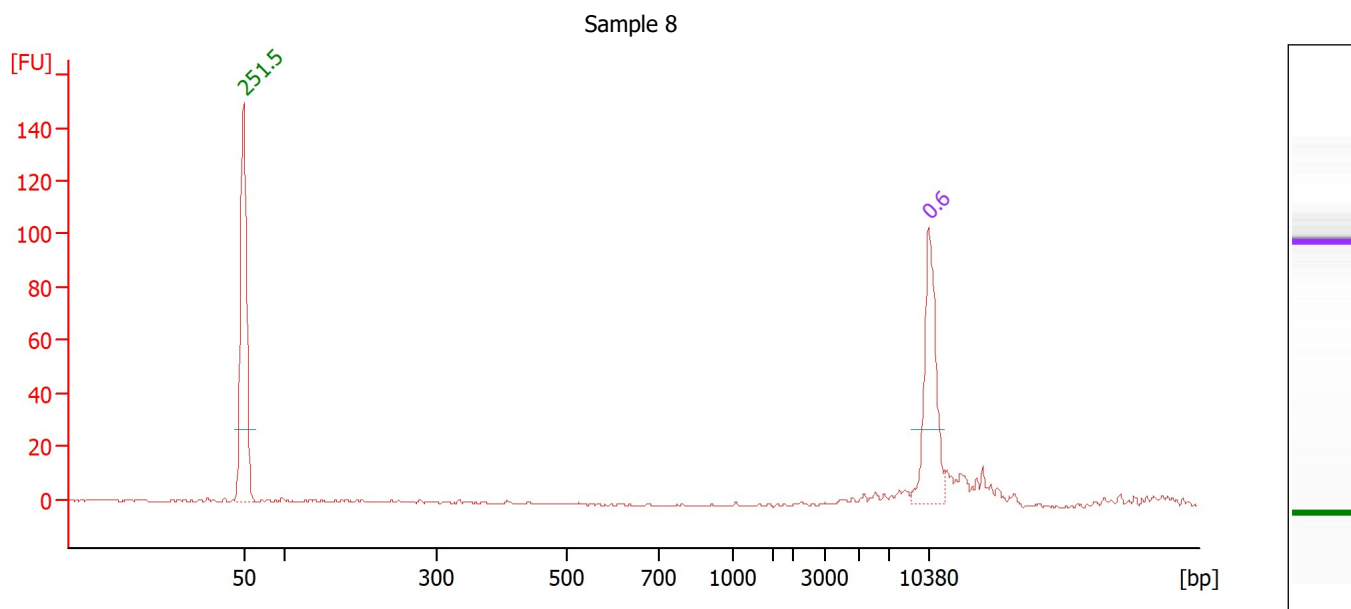
Number of peaks found: 0

Peak table for sample 7 : Sample 7

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	10,380	4.20	0.6	Upper Marker
3	13,946	0.00	0.0	
4	14,607	0.00	0.0	
5	16,588	0.00	0.0	

Assay Class: DNA 7500
Data Path: C:\...-30\2100 expert_DNA 7500_DE13804176_2021-08-30_11-02-09.xad

Created: 8/30/2021 11:02:08 AM
Modified: 8/30/2021 11:41:05 AM

Electropherogram Summary Continued ...**Overall Results for sample 8 : Sample 8**

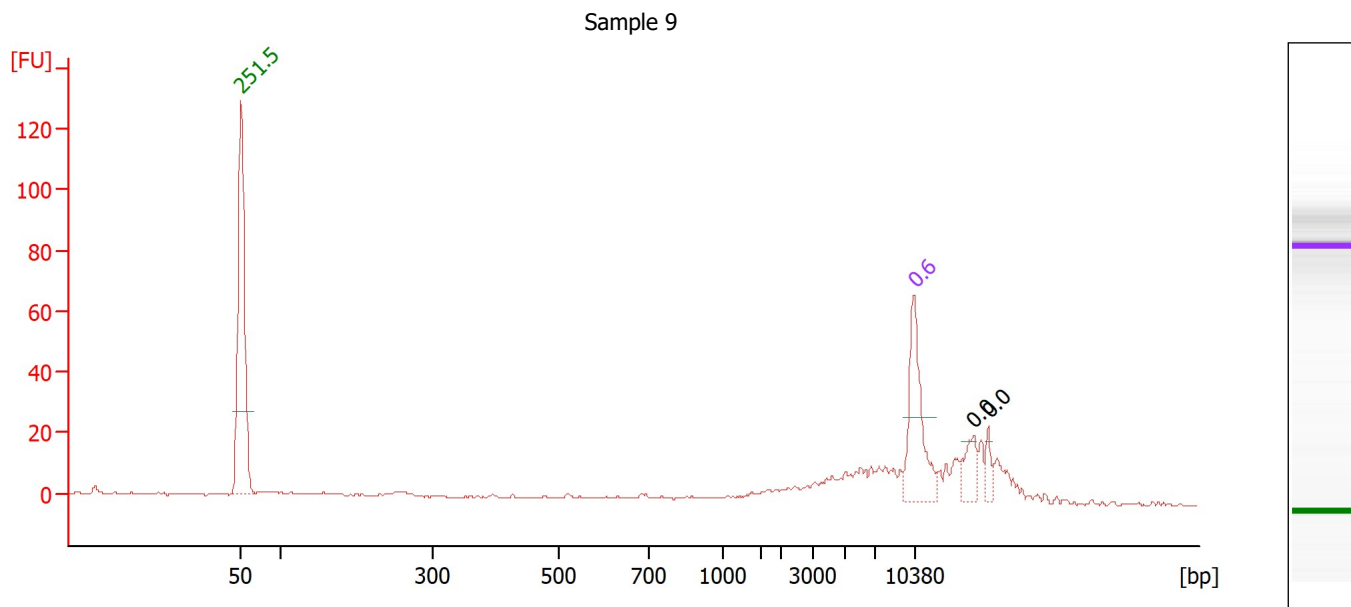
Number of peaks found: 0

Peak table for sample 8 : Sample 8

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	10,380	4.20	0.6	Upper Marker

Assay Class: DNA 7500
Data Path: C:\...-30\2100 expert_DNA 7500_DE13804176_2021-08-30_11-02-09.xad

Created: 8/30/2021 11:02:08 AM
Modified: 8/30/2021 11:41:05 AM

Electropherogram Summary Continued ...**Overall Results for sample 9 : Sample 9**

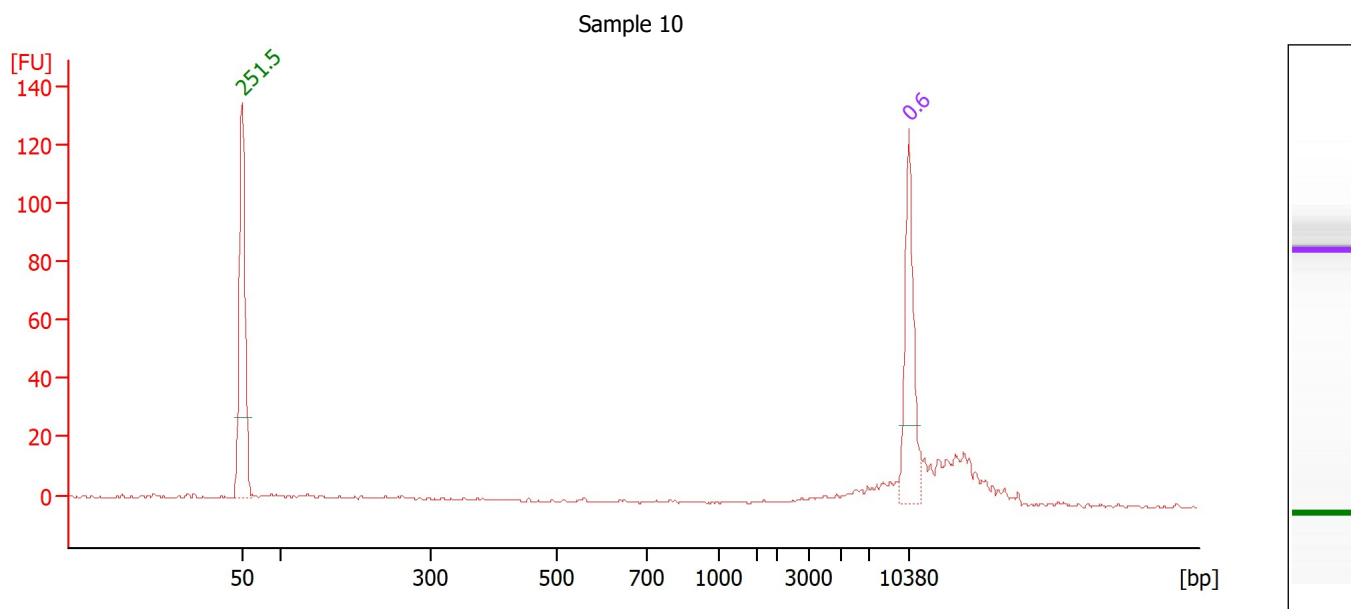
Number of peaks found: 0

Peak table for sample 9 : Sample 9

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	10,380	4.20	0.6	Upper Marker
3	15,508	0.00	0.0	
4	16,757	0.00	0.0	

Assay Class: DNA 7500
Data Path: C:\...-30\2100 expert_DNA 7500_DE13804176_2021-08-30_11-02-09.xad

Created: 8/30/2021 11:02:08 AM
Modified: 8/30/2021 11:41:05 AM

Electropherogram Summary Continued ...**Overall Results for sample 10 : Sample 10**

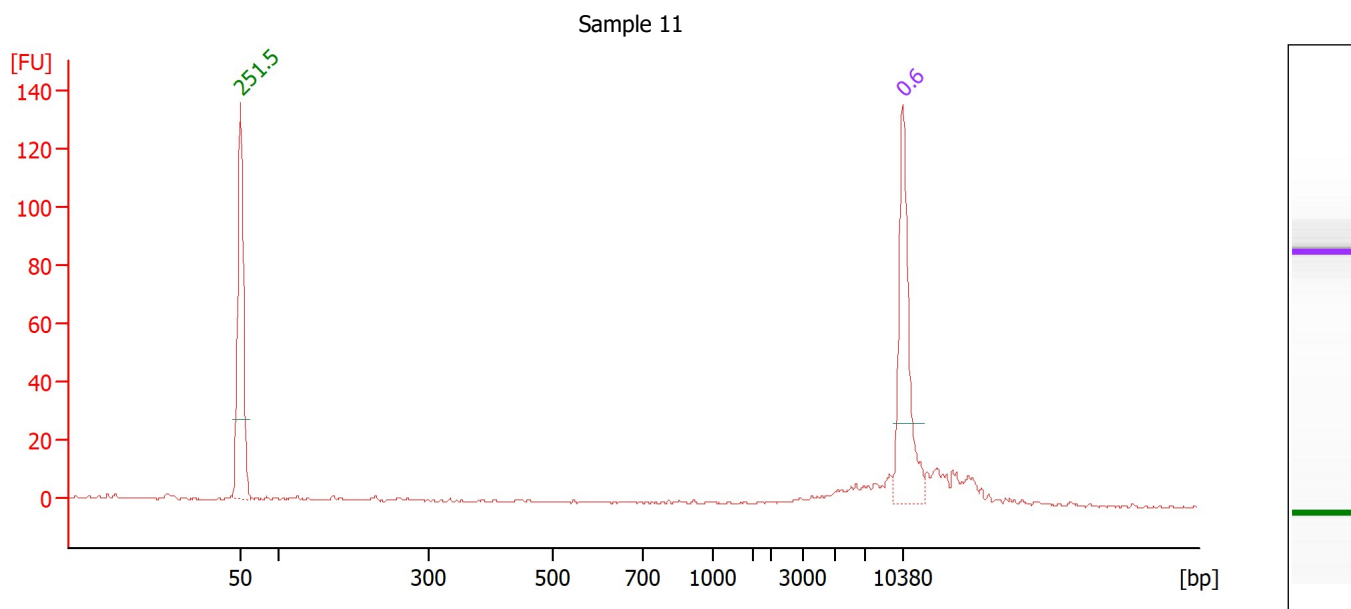
Number of peaks found: 0

Peak table for sample 10 : Sample 10

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	10,380	4.20	0.6	Upper Marker

Assay Class: DNA 7500
Data Path: C:\...-30\2100 expert_DNA 7500_DE13804176_2021-08-30_11-02-09.xad

Created: 8/30/2021 11:02:08 AM
Modified: 8/30/2021 11:41:05 AM

Electropherogram Summary Continued ...**Overall Results for sample 11 : Sample 11**

Number of peaks found: 0

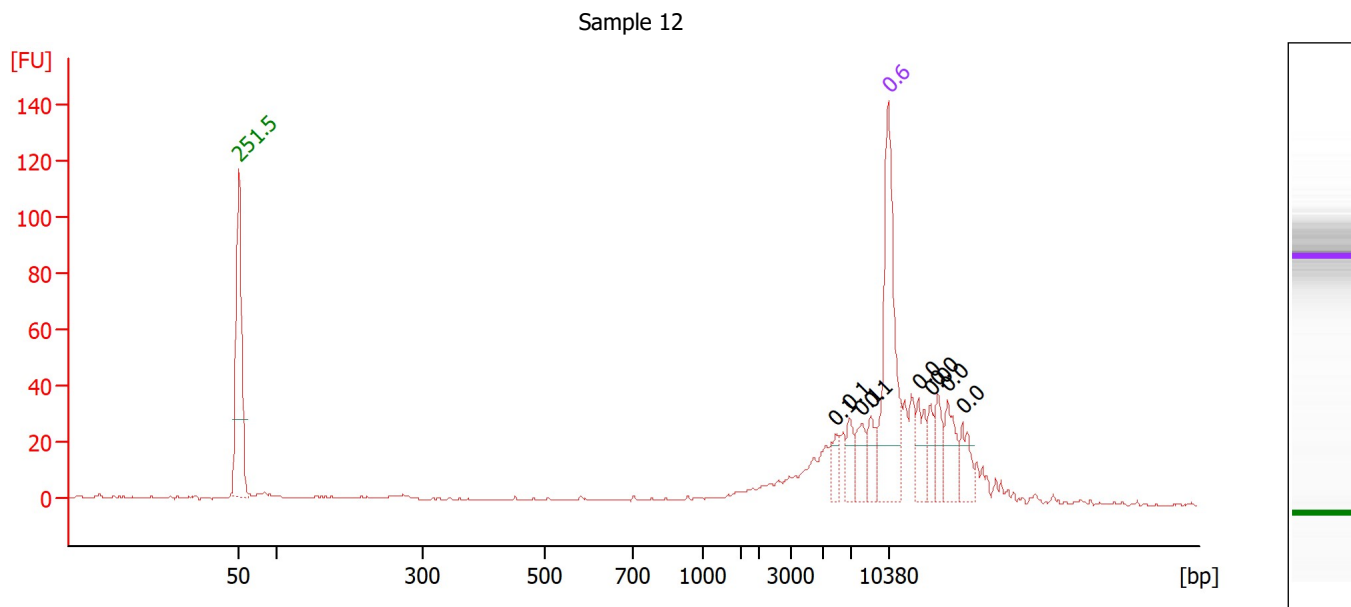
Peak table for sample 11 : Sample 11

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	10,380	4.20	0.6	Upper Marker

Assay Class: DNA 7500
 Data Path: C:\...-30\2100 expert_DNA 7500_DE13804176_2021-08-30_11-02-09.xad

Created: 8/30/2021 11:02:08 AM
 Modified: 8/30/2021 11:41:05 AM

Electropherogram Summary Continued ...



Overall Results for sample 12 : Sample 12

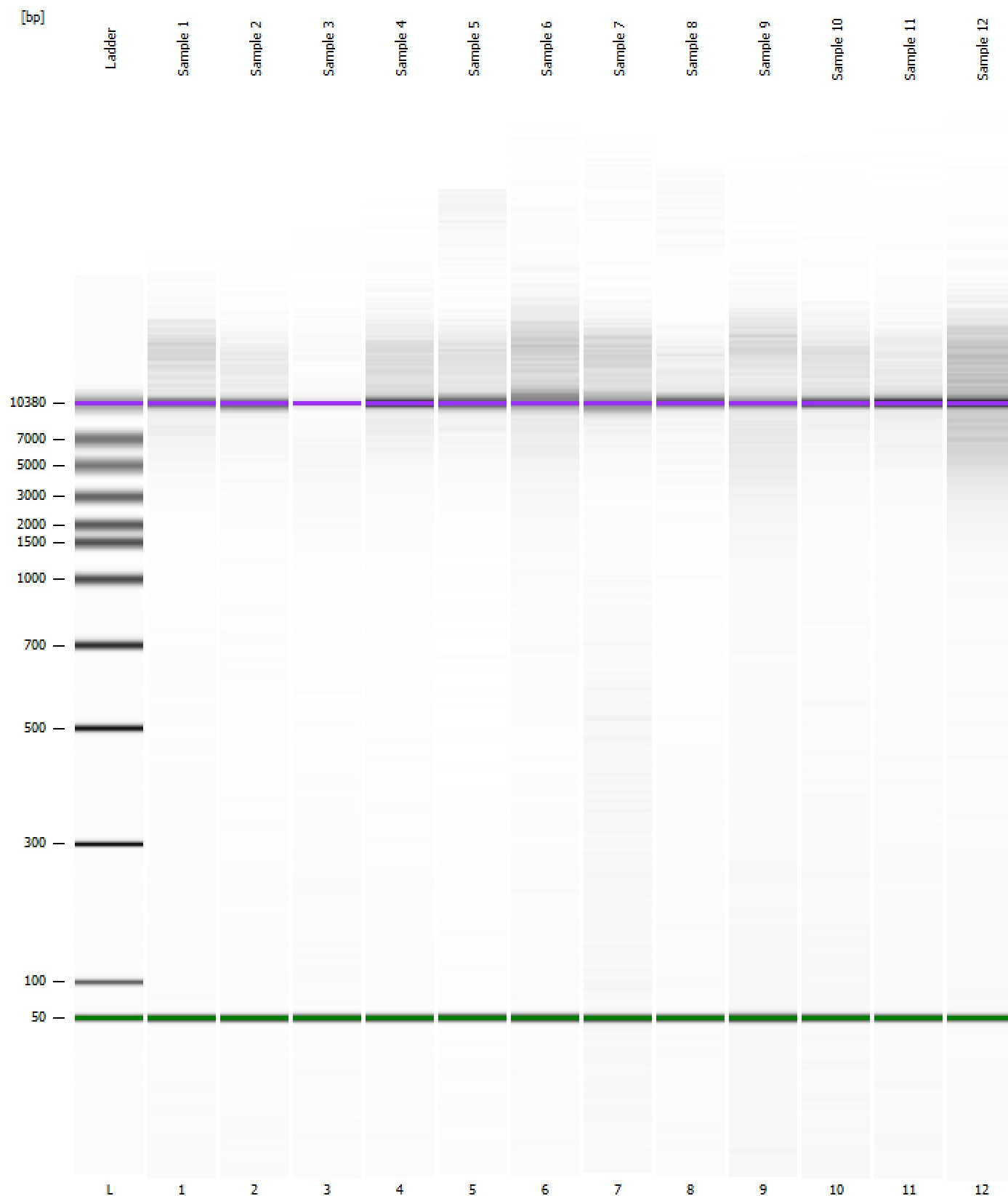
Number of peaks found: 4

Peak table for sample 12 : Sample 12

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	5,951	0.46	0.1	
3	6,925	0.61	0.1	
4	7,995	0.63	0.1	
5	8,813	0.62	0.1	
6	10,380	4.20	0.6	Upper Marker
7	13,106	0.00	0.0	
8	14,196	0.00	0.0	
9	14,809	0.00	0.0	
10	15,695	0.00	0.0	
11	16,990	0.00	0.0	

Assay Class: DNA 7500
Data Path: C:\...-30\2100 expert_DNA 7500_DE13804176_2021-08-30_11-02-09.xad

Created: 8/30/2021 11:02:08 AM
Modified: 8/30/2021 11:41:05 AM

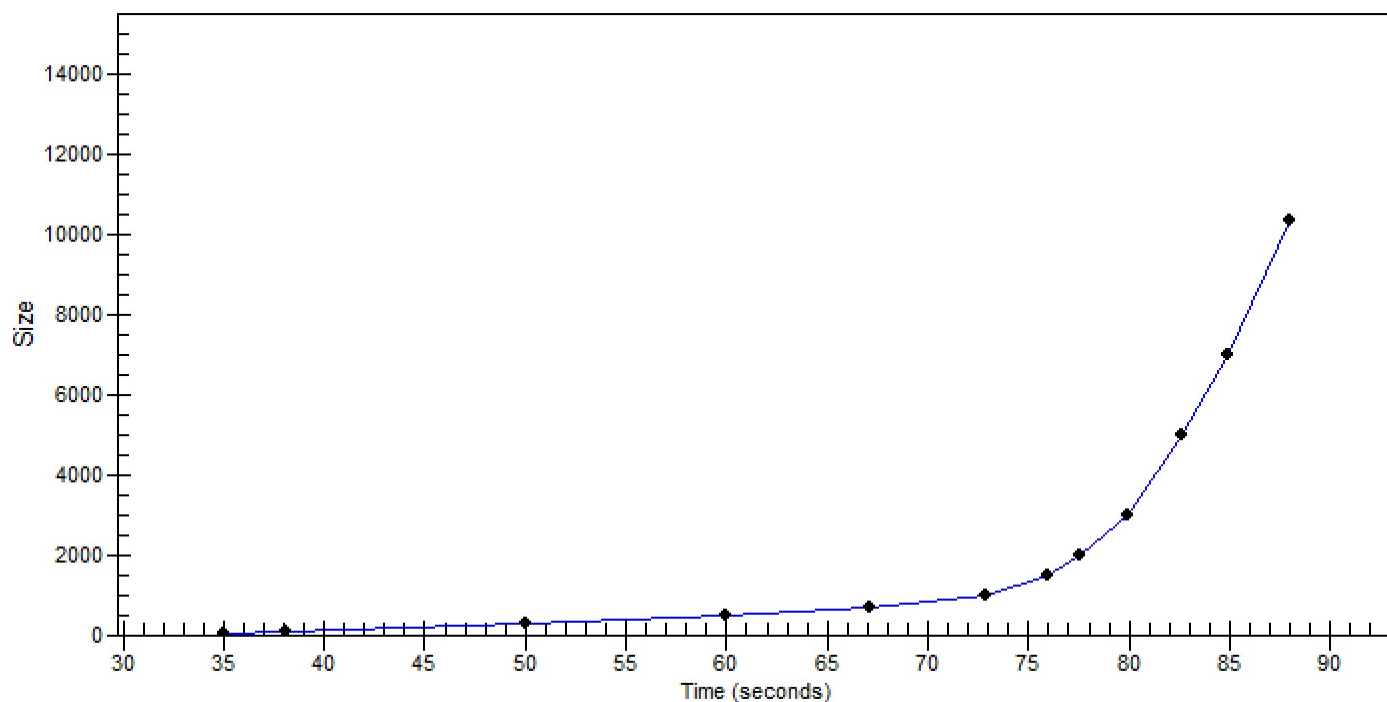
Gel Image

Assay Class: DNA 7500
Data Path: C:\...-30\2100 expert_DNA 7500_DE13804176_2021-08-30_11-02-09.xad

Created: 8/30/2021 11:02:08 AM
Modified: 8/30/2021 11:41:05 AM

Curves

Standard Curve



Assay Class: DNA 7500
 Data Path: C:\...-30\2100 expert_DNA 7500_DE13804176_2021-08-30_11-02-09.xad

Created: 8/30/2021 11:02:08 AM
 Modified: 8/30/2021 11:41:05 AM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 3 (Number of wells acquired: 13)		Instrument	Run		8/30/2021 11:36:08 AM	(GMT --07:00) Pacific Standard Time	Bioanalyzer	BIOANALYZERP C
Run started on port 3 (File: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\Data\2021-08-30\2100 expert_DNA 7500_DE13804176_2021-08-30_11-02-09.xad)		Instrument	Run		8/30/2021 11:02:14 AM	(GMT --07:00) Pacific Standard Time	Bioanalyzer	BIOANALYZERP C
Product Number : G2939A		Instrument	Run		8/30/2021 11:02:14 AM	(GMT --07:00) Pacific Standard Time	Bioanalyzer	BIOANALYZERP C
Name : 4170_bioanalyzer		Instrument	Run		8/30/2021 11:02:14 AM	(GMT --07:00) Pacific Standard Time	Bioanalyzer	BIOANALYZERP C
Vendor : Agilent Technologies		Instrument	Run		8/30/2021 11:02:14 AM	(GMT --07:00) Pacific Standard Time	Bioanalyzer	BIOANALYZERP C
Serial# : DE13804176		Instrument	Run		8/30/2021 11:02:14 AM	(GMT --07:00) Pacific Standard Time	Bioanalyzer	BIOANALYZERP C
Firmware : C.01.069		Instrument	Run		8/30/2021 11:02:14 AM	(GMT --07:00) Pacific Standard Time	Bioanalyzer	BIOANALYZERP C
Cartridge : Electrode		Instrument	Run		8/30/2021 11:02:14 AM	(GMT --07:00) Pacific Standard Time	Bioanalyzer	BIOANALYZERP C