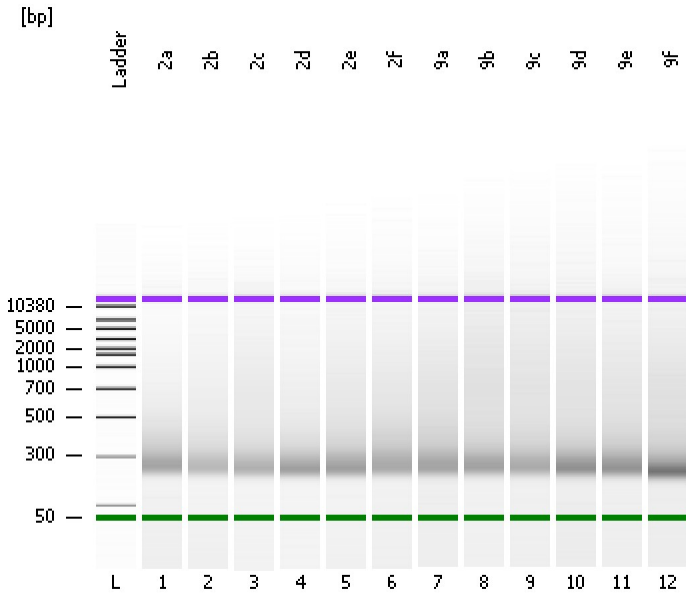


Assay Class: DNA 12000
Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-20\2018-02-20_003.xad

Created: 2/20/2018 3:31:16 PM
Modified: 2/20/2018 4:09:35 PM

Electrophoresis File Run Summary



Instrument Information:

Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

Assay Information:

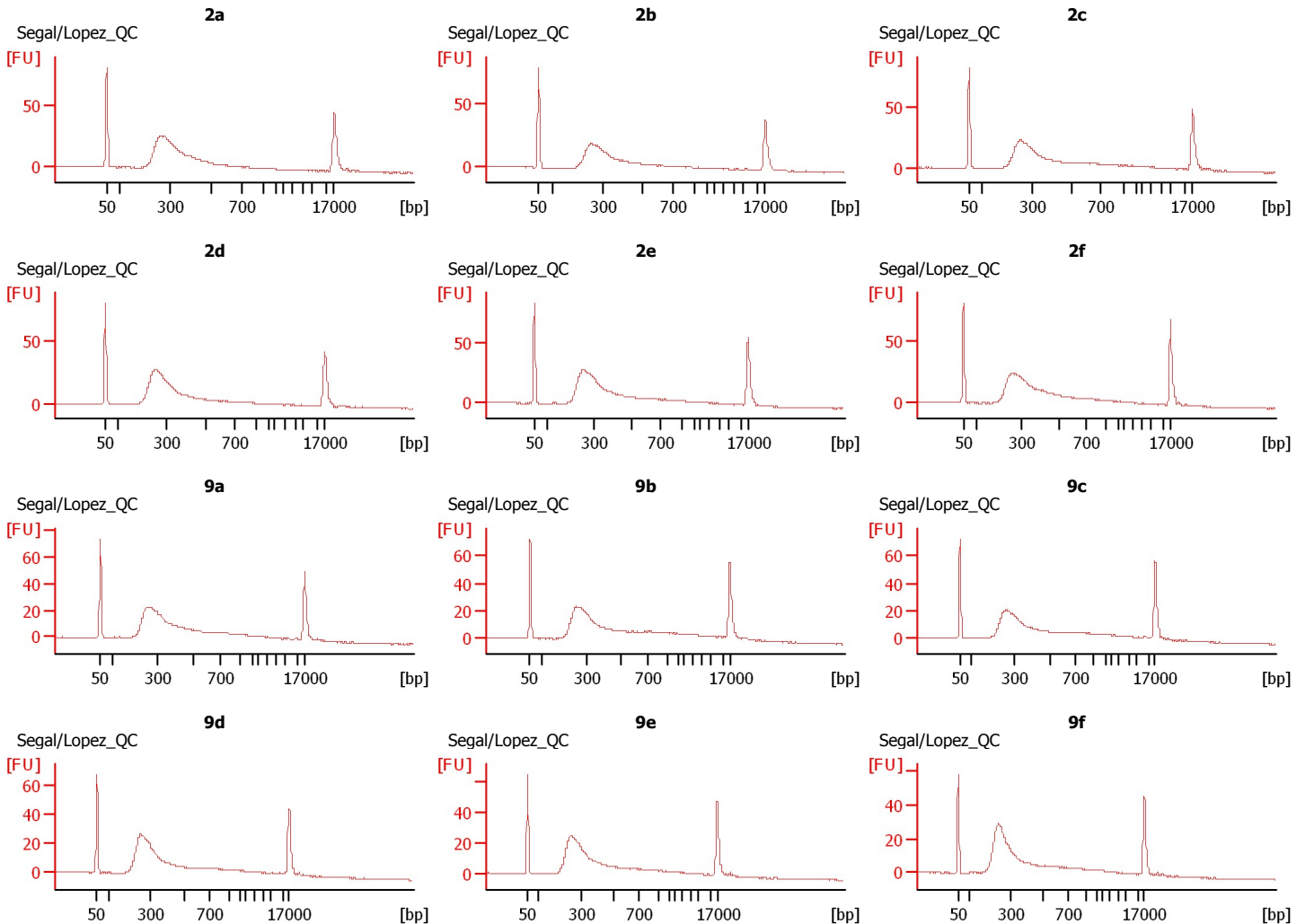
Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\dsDNA\DNA 12000 Series II.xsy

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

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Chip Information:

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



Assay Class: DNA 12000
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-20\2018-02-20_003.xad

Created: 2/20/2018 3:31:16 PM
 Modified: 2/20/2018 4:09:35 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
2a	Segal/Lopez_QC	<input type="checkbox"/>	✓			
2b	Segal/Lopez_QC	<input type="checkbox"/>	✓			
2c	Segal/Lopez_QC	<input type="checkbox"/>	✓			
2d	Segal/Lopez_QC	<input type="checkbox"/>	✓			
2e	Segal/Lopez_QC	<input type="checkbox"/>	✓			
2f	Segal/Lopez_QC	<input type="checkbox"/>	✓			
9a	Segal/Lopez_QC	<input type="checkbox"/>	✓			
9b	Segal/Lopez_QC	<input type="checkbox"/>	✓			
9c	Segal/Lopez_QC	<input type="checkbox"/>	✓			
9d	Segal/Lopez_QC	<input type="checkbox"/>	✓			
9e	Segal/Lopez_QC	<input type="checkbox"/>	✓			
9f	Segal/Lopez_QC	<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

Chip Lot #

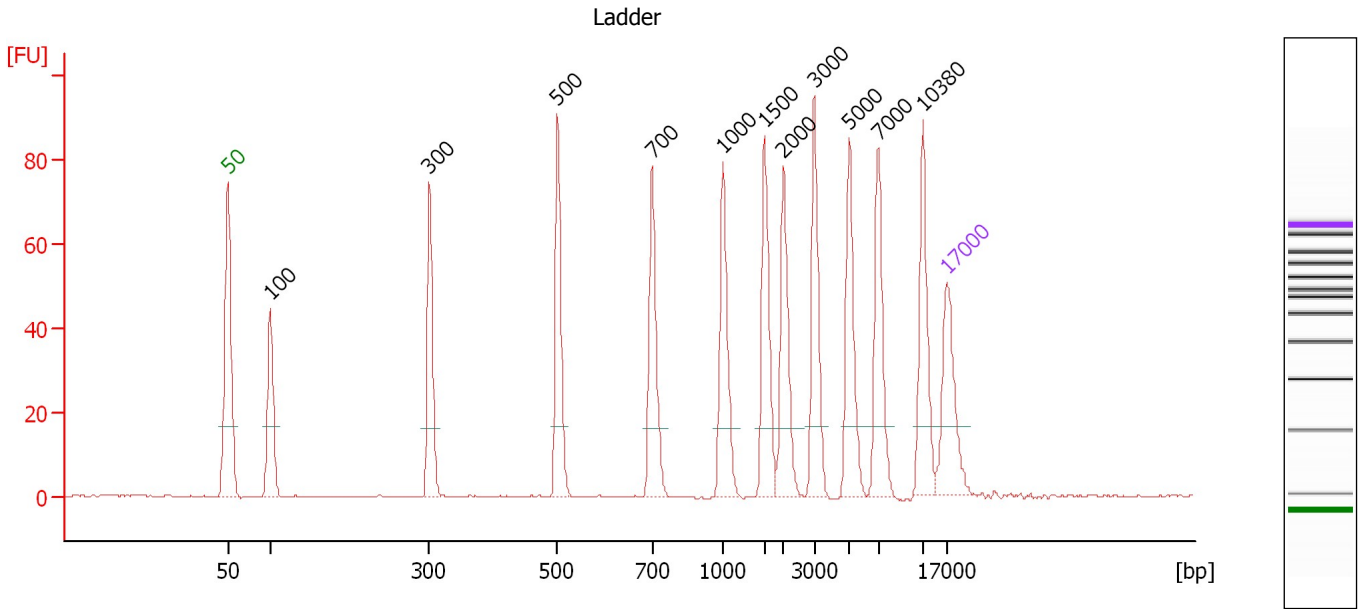
Reagent Kit Lot #

Chip Comments :

Assay Class: DNA 12000
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-20\2018-02-20_003.xad

Created: 2/20/2018 3:31:16 PM
 Modified: 2/20/2018 4:09:35 PM

Electropherogram Summary



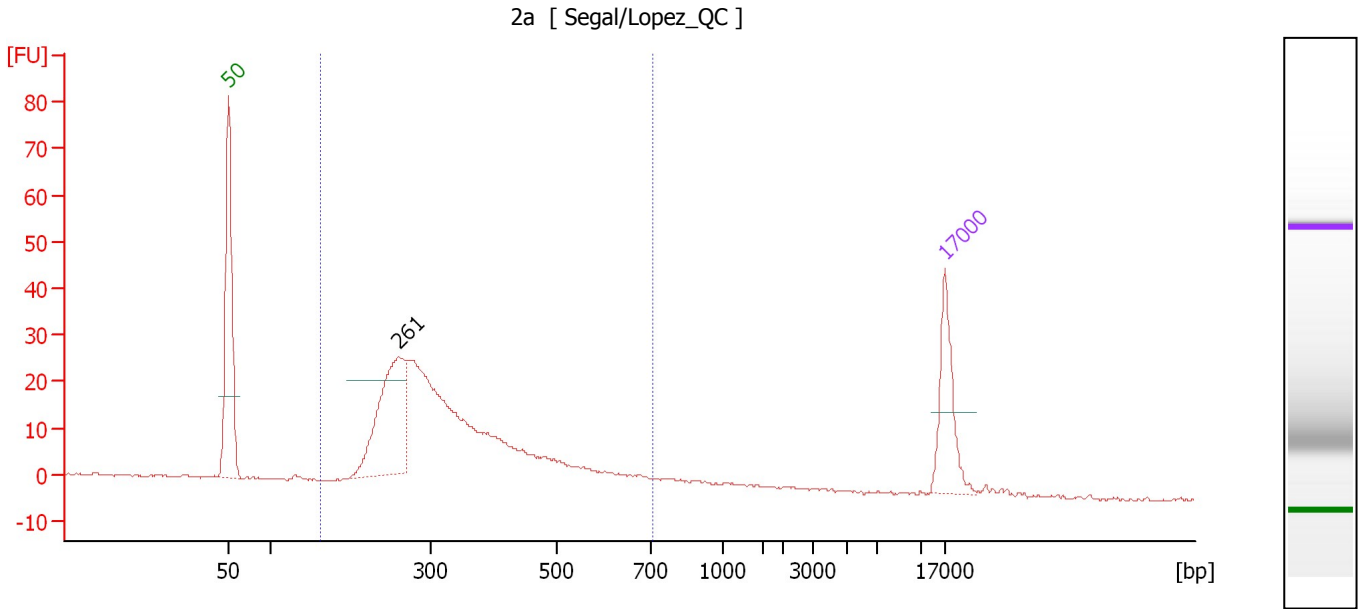
Peak table for Ladder

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
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
13	17,000	4.20	0.4	Upper Marker

Assay Class: DNA 12000
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-20\2018-02-20_003.xad

Created: 2/20/2018 3:31:16 PM
 Modified: 2/20/2018 4:09:35 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : 2a

Number of peaks found: 1 Area 1: 217.4

Peak table for sample 1 : 2a

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	261	8.60	49.9	
3	17,000	4.20	0.4	Upper Marker

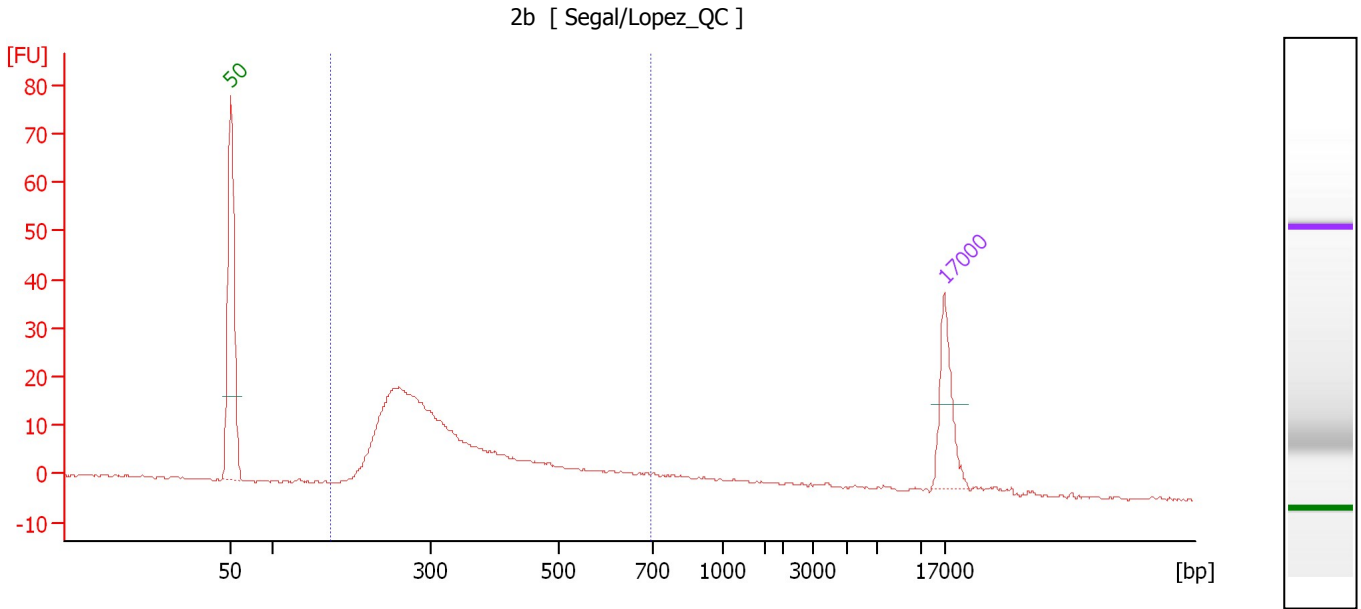
Region table for sample 1 : 2a

From [bp]	To [bp]	Average Size [bp]	Conc. [ng/μl]	Area	% of Total	Size distribution in CV [%]	Color
162	707	346	31.21	217.4	92	30.8	Blue

Assay Class: DNA 12000
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-20\2018-02-20_003.xad

Created: 2/20/2018 3:31:16 PM
 Modified: 2/20/2018 4:09:35 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : 2b

Number of peaks found: 0 Area 1: 157.8

Peak table for sample 2 : 2b

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	17,000	4.20	0.4	Upper Marker

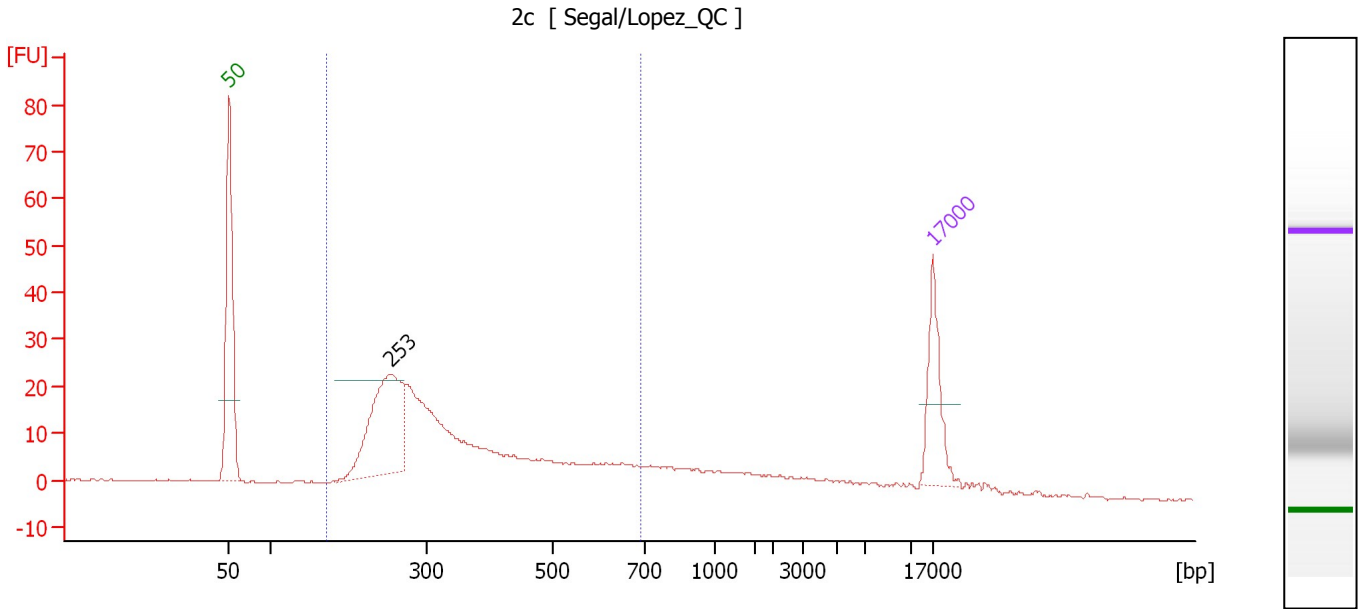
Region table for sample 2 : 2b

From [bp]	To [bp]	Average Size [bp]	Conc. [ng/μl]	Area	% of Total	Size distribution in CV [%]	Color
173	697	352	28.14	157.8	79	33.4	Blue

Assay Class: DNA 12000
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-20\2018-02-20_003.xad

Created: 2/20/2018 3:31:16 PM
 Modified: 2/20/2018 4:09:35 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : 2c

Number of peaks found: 1 Area 1: 206.5

Peak table for sample 3 : 2c

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	253	9.12	54.6	
3	17,000	4.20	0.4	Upper Marker

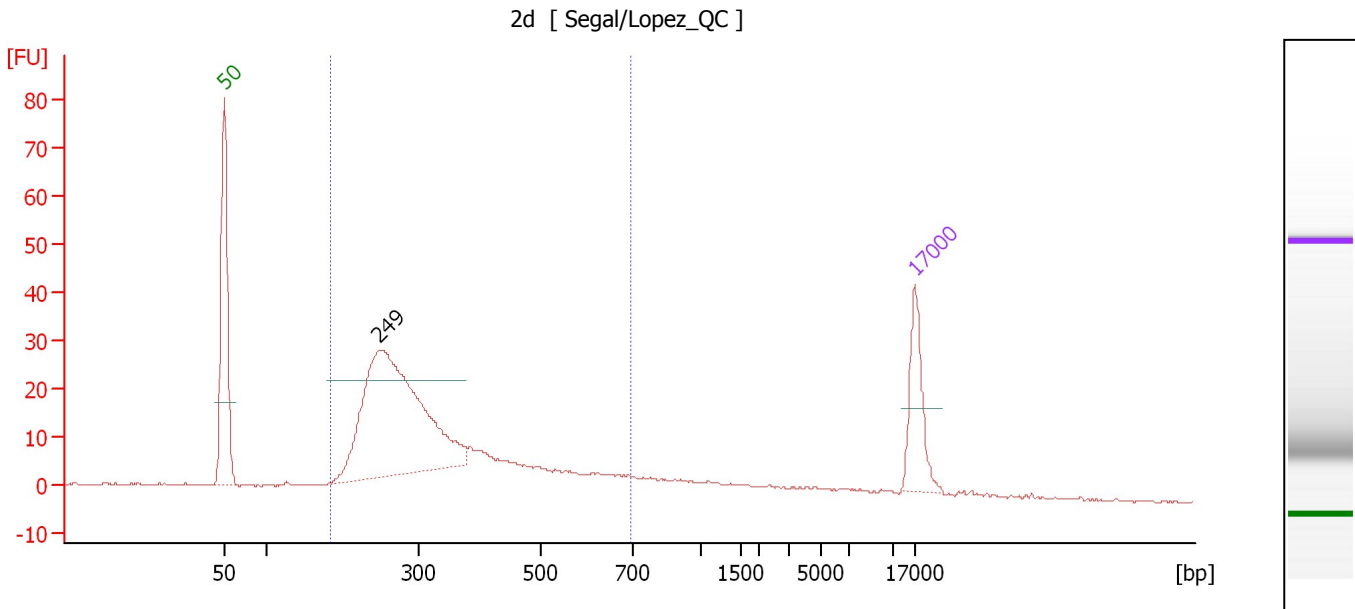
Region table for sample 3 : 2c

From [bp]	To [bp]	Average Size [bp]	Conc. [ng/μl]	Area	% of Total	Size distribution in CV [%]	Color
171	691	359	31.34	206.5	71	35.5	Blue

Assay Class: DNA 12000
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-20\2018-02-20_003.xad

Created: 2/20/2018 3:31:16 PM
 Modified: 2/20/2018 4:09:35 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : 2d

Number of peaks found: 1 Area 1: 217.8

Peak table for sample 4 : 2d

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	249	22.31	135.6	
3	17,000	4.20	0.4	Upper Marker

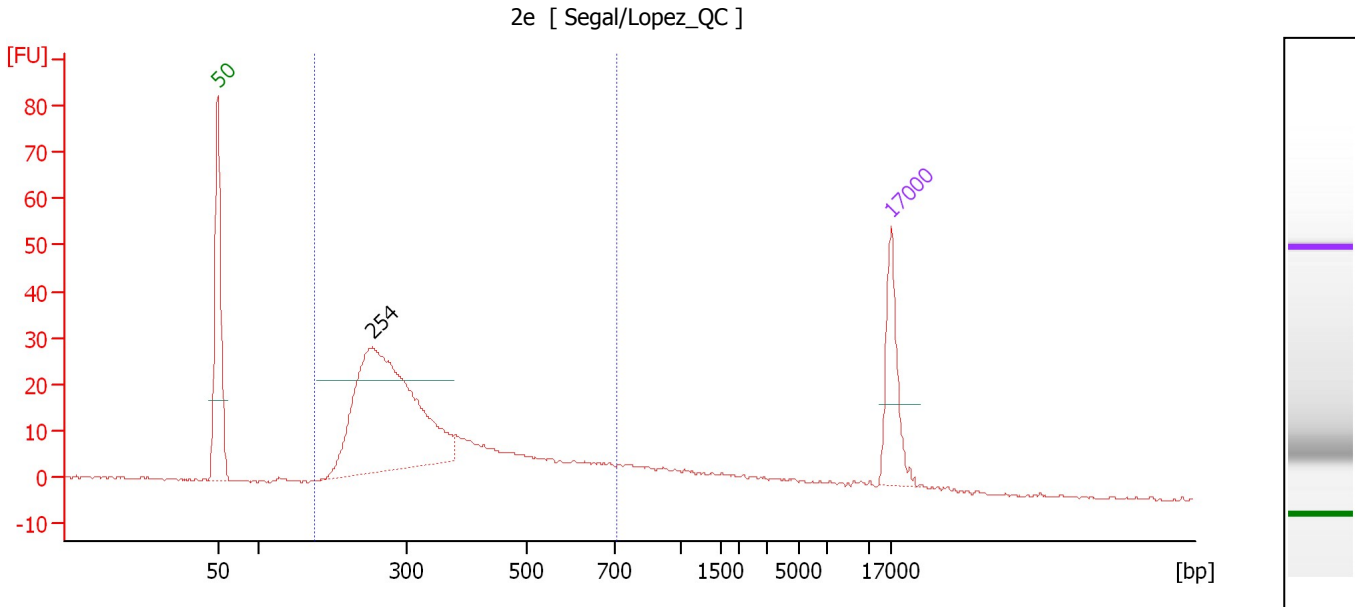
Region table for sample 4 : 2d

From [bp]	To [bp]	Average Size [bp]	Conc. [ng/μl]	Area	% of Total	Size distribution in CV [%]	Color
185	695	340	35.56	217.8	79	34.4	Blue

Assay Class: DNA 12000
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-20\2018-02-20_003.xad

Created: 2/20/2018 3:31:16 PM
 Modified: 2/20/2018 4:09:35 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : 2e

Number of peaks found: 1 Area 1: 230.1

Peak table for sample 5 : 2e

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	254	20.20	120.7	
3	17,000	4.20	0.4	Upper Marker

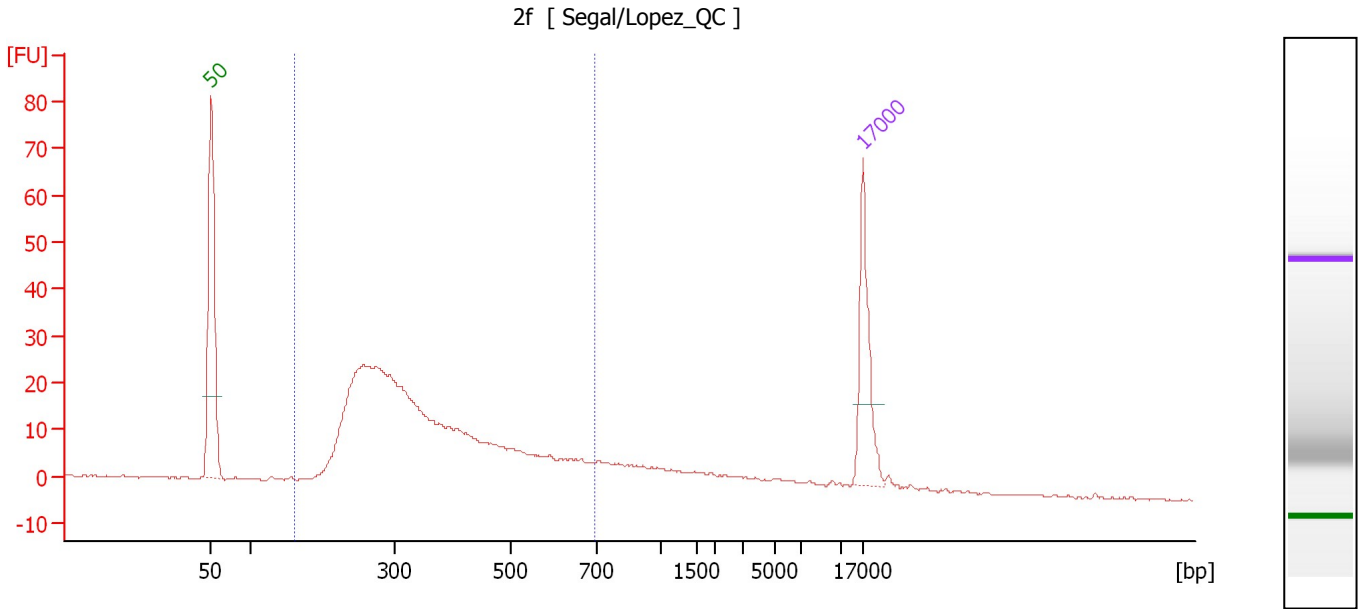
Region table for sample 5 : 2e

From [bp]	To [bp]	Average Size [bp]	Conc. [ng/μl]	Area	% of Total	Size distribution in CV [%]	Color
175	708	353	31.81	230.1	80	34.9	Blue

Assay Class: DNA 12000
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-20\2018-02-20_003.xad

Created: 2/20/2018 3:31:16 PM
 Modified: 2/20/2018 4:09:35 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : 2f

Number of peaks found: 0 Area 1: 235.3

Peak table for sample 6 : 2f

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	17,000	4.20	0.4	Upper Marker

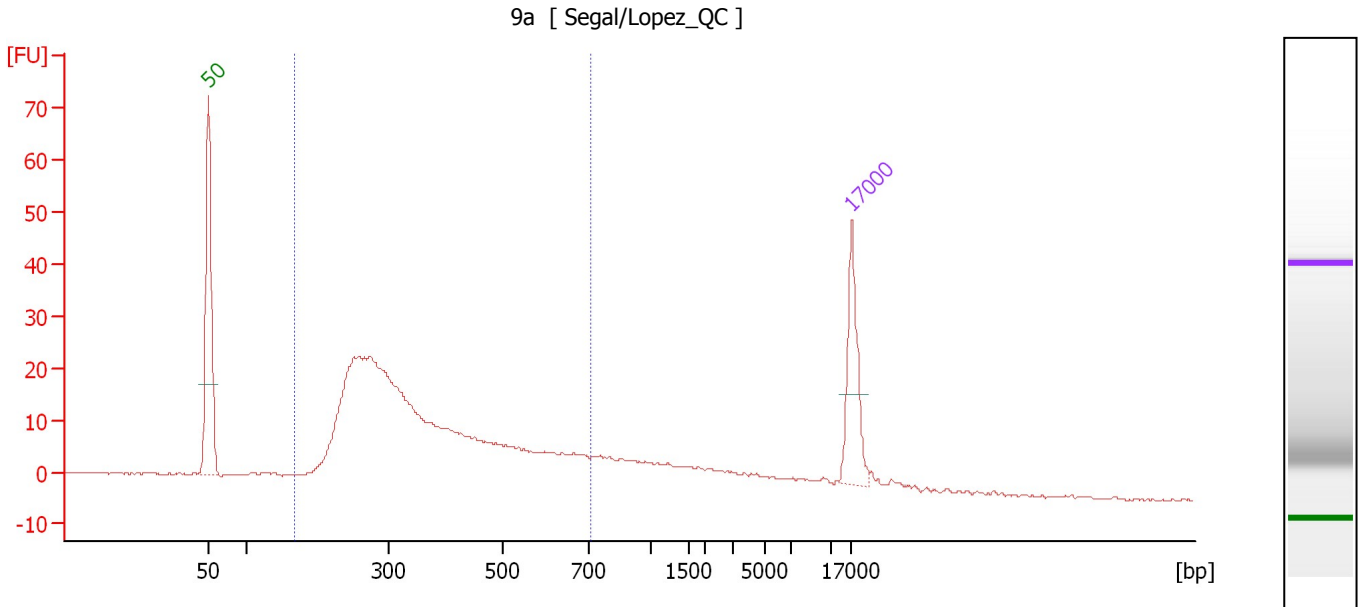
Region table for sample 6 : 2f

From [bp]	To [bp]	Average Size [bp]	Conc. [ng/μl]	Area	% of Total	Size distribution in CV [%]	Color
162	695	367	31.01	235.3	75	33.4	Blue

Assay Class: DNA 12000
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-20\2018-02-20_003.xad

Created: 2/20/2018 3:31:16 PM
 Modified: 2/20/2018 4:09:35 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 9a

Number of peaks found: 0 Area 1: 213.7

Peak table for sample 7 : 9a

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	17,000	4.20	0.4	Upper Marker

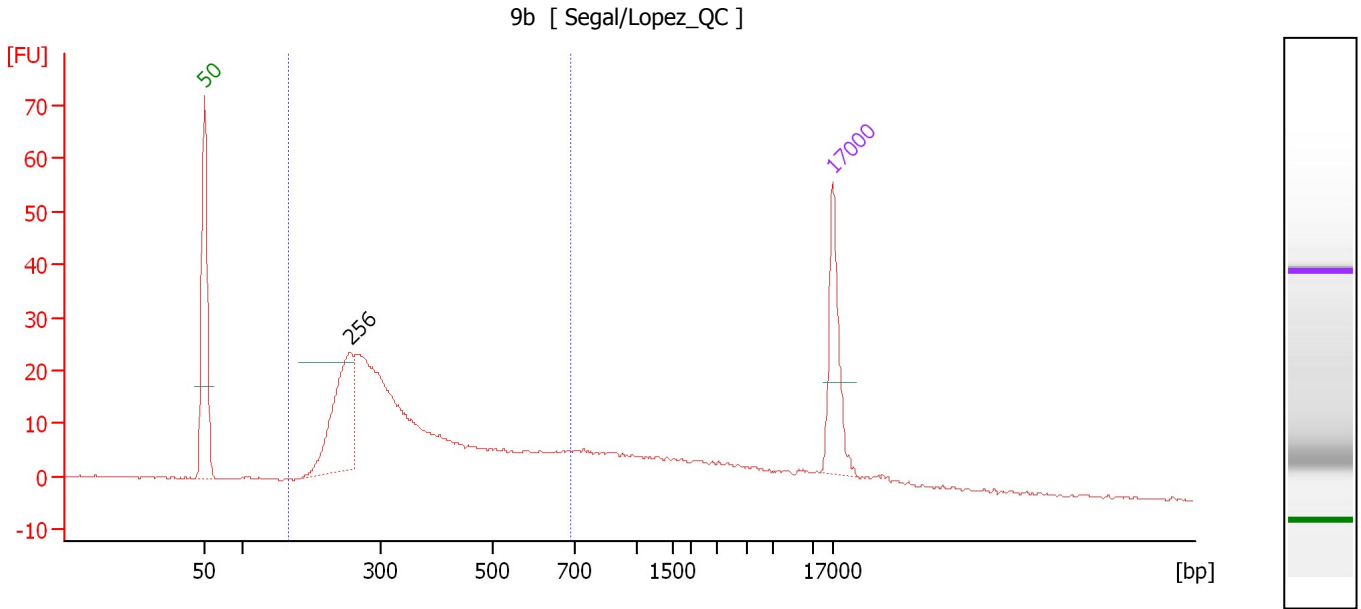
Region table for sample 7 : 9a

From [bp]	To [bp]	Average Size [bp]	Conc. [ng/μl]	Area	% of Total	Size distribution in CV [%]	Color
167	717	372	35.86	213.7	73	35.0	Blue

Assay Class: DNA 12000
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-20\2018-02-20_003.xad

Created: 2/20/2018 3:31:16 PM
 Modified: 2/20/2018 4:09:35 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : 9b

Number of peaks found: 1 Area 1: 199.6

Peak table for sample 8 : 9b

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	256	6.71	39.7	
3	17,000	4.20	0.4	Upper Marker

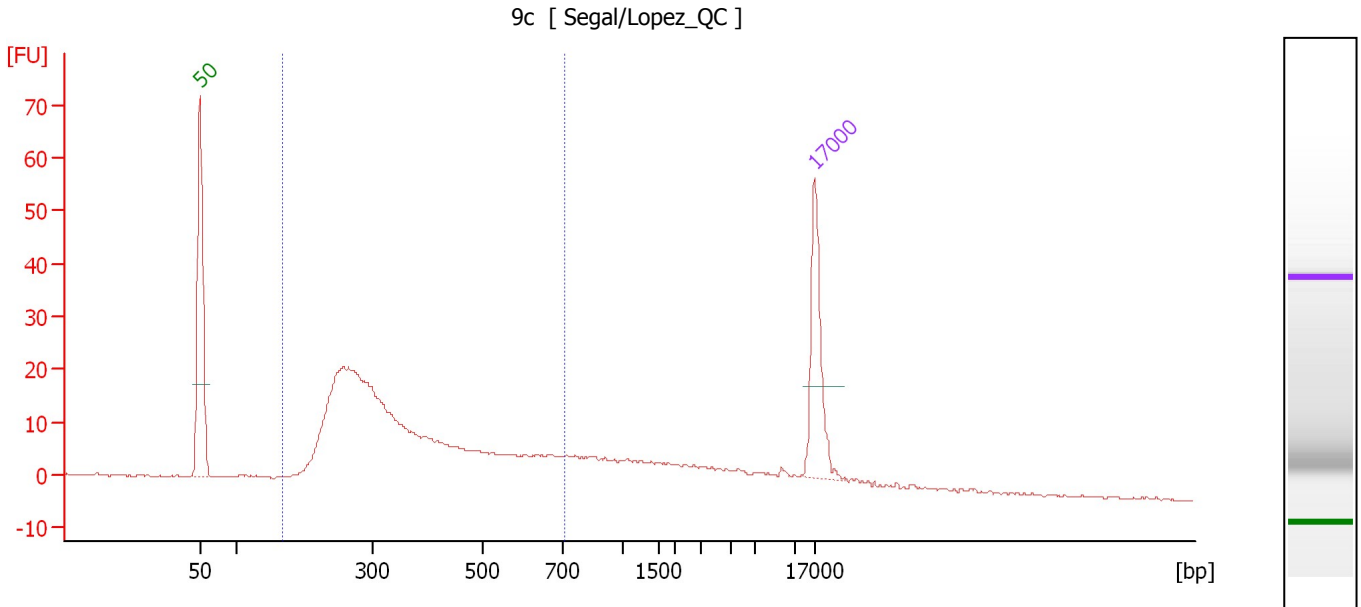
Region table for sample 8 : 9b

From [bp]	To [bp]	Average Size [bp]	Conc. [ng/μl]	Area	% of Total	Size distribution in CV [%]	Color
167	688	367	31.19	199.6	63	34.6	Blue

Assay Class: DNA 12000
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-20\2018-02-20_003.xad

Created: 2/20/2018 3:31:16 PM
 Modified: 2/20/2018 4:09:35 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : 9c

Number of peaks found: 0 Area 1: 176.1

Peak table for sample 9 : 9c

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	17,000	4.20	0.4	Upper Marker

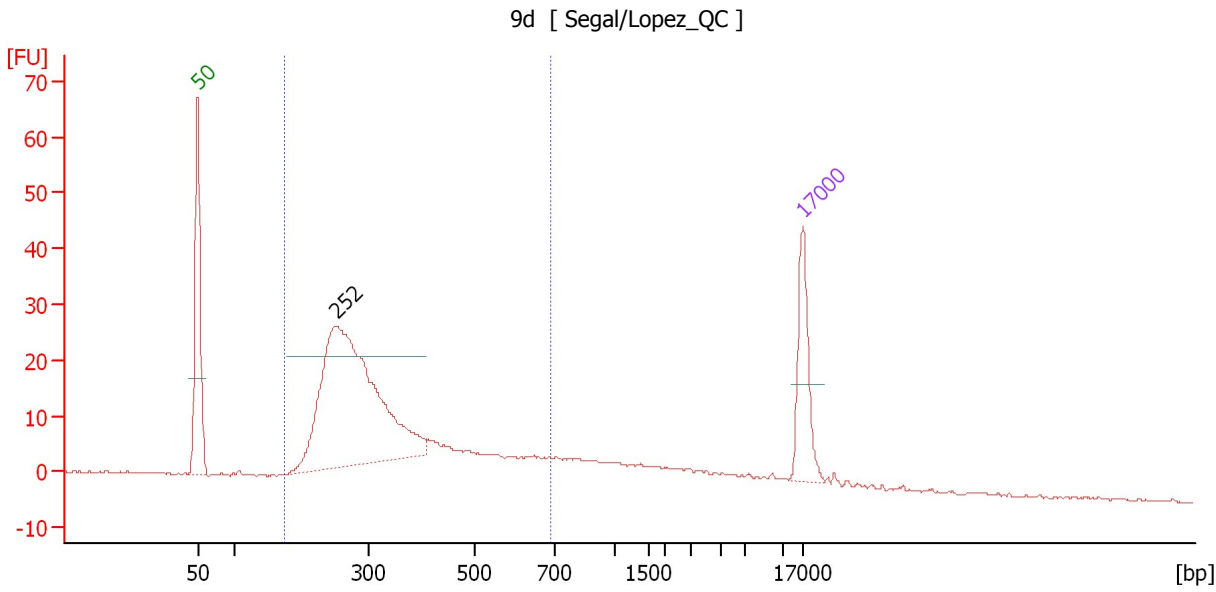
Region table for sample 9 : 9c

From [bp]	To [bp]	Average Size [bp]	Conc. [ng/μl]	Area	% of Total	Size distribution in CV [%]	Color
167	708	370	26.65	176.1	67	35.3	Blue

Assay Class: DNA 12000
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-20\2018-02-20_003.xad

Created: 2/20/2018 3:31:16 PM
 Modified: 2/20/2018 4:09:35 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : 9d

Number of peaks found: 1 Area 1: 189.5

Peak table for sample 10 : 9d

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	252	22.52	135.1	
3	17,000	4.20	0.4	Upper Marker

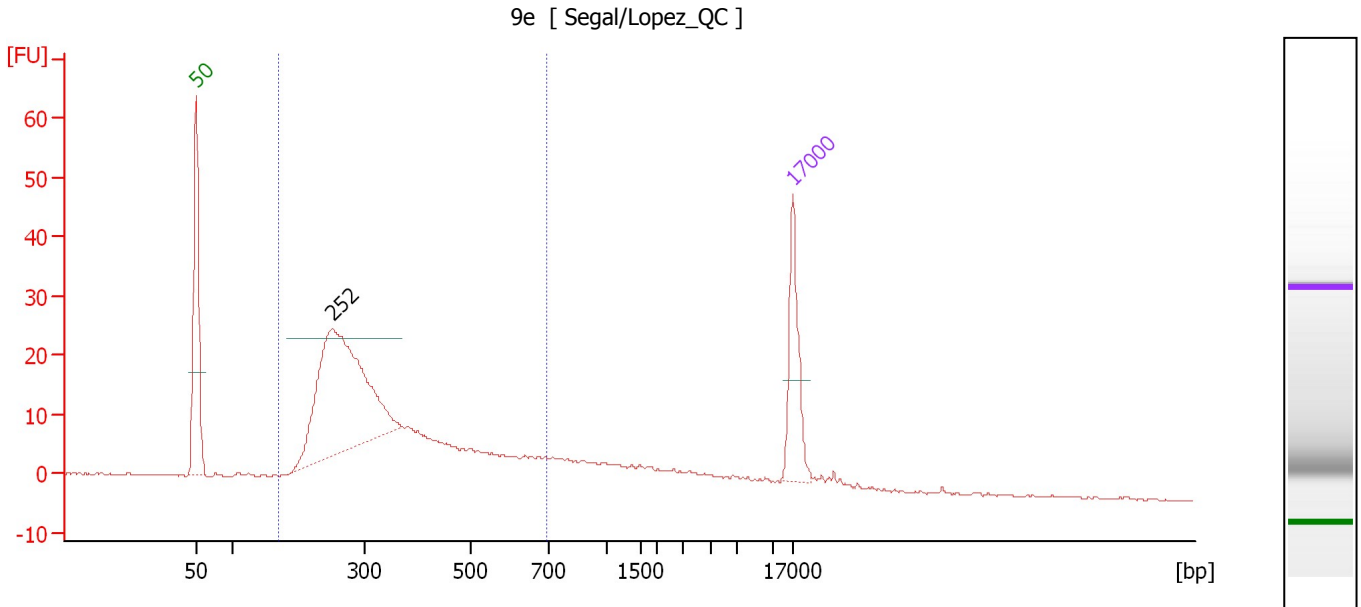
Region table for sample 10 : 9d

From [bp]	To [bp]	Average Size [bp]	Conc. [ng/μl]	Area	% of Total	Size distribution in CV [%]	Color
175	691	350	34.00	189.5	69	34.9	Blue

Assay Class: DNA 12000
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-20\2018-02-20_003.xad

Created: 2/20/2018 3:31:16 PM
 Modified: 2/20/2018 4:09:35 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : 9e

Number of peaks found: 1 Area 1: 181.8

Peak table for sample 11 : 9e

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	252	16.99	102.1	
3	17,000	4.20	0.4	Upper Marker

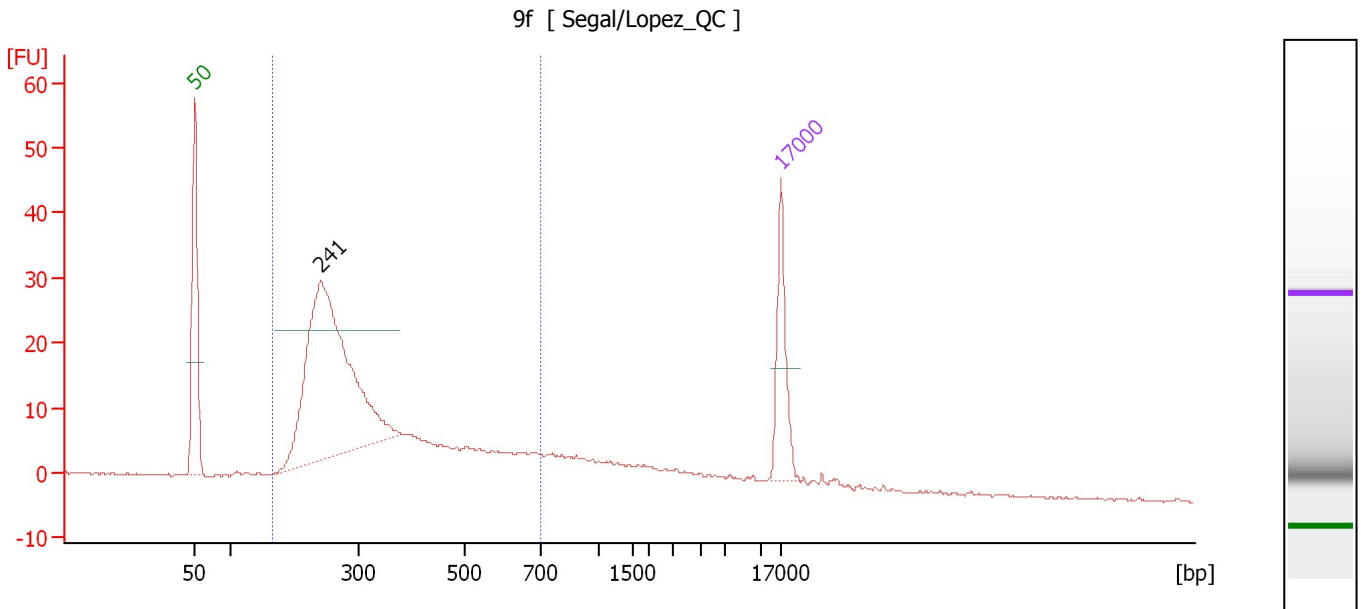
Region table for sample 11 : 9e

From [bp]	To [bp]	Average Size [bp]	Conc. [ng/μl]	Area	% of Total	Size distribution in CV [%]	Color
169	697	353	34.42	181.8	73	34.9	Blue

Assay Class: DNA 12000
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-20\2018-02-20_003.xad

Created: 2/20/2018 3:31:16 PM
 Modified: 2/20/2018 4:09:35 PM

Electropherogram Summary Continued ...



Overall Results for sample 12 : 9f

Number of peaks found: 1 Area 1: 184.9

Peak table for sample 12 : 9f

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	241	23.22	146.3	
3	17,000	4.20	0.4	Upper Marker

Region table for sample 12 : 9f

From [bp]	To [bp]	Average Size [bp]	Conc. [ng/μl]	Area	% of Total	Size distribution in CV [%]	Color
167	701	342	40.93	184.9	72	38.0	Blue

Assay Class: DNA 12000
Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-20\2018-02-20_003.xad

Created: 2/20/2018 3:31:16 PM
Modified: 2/20/2018 4:09:35 PM

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