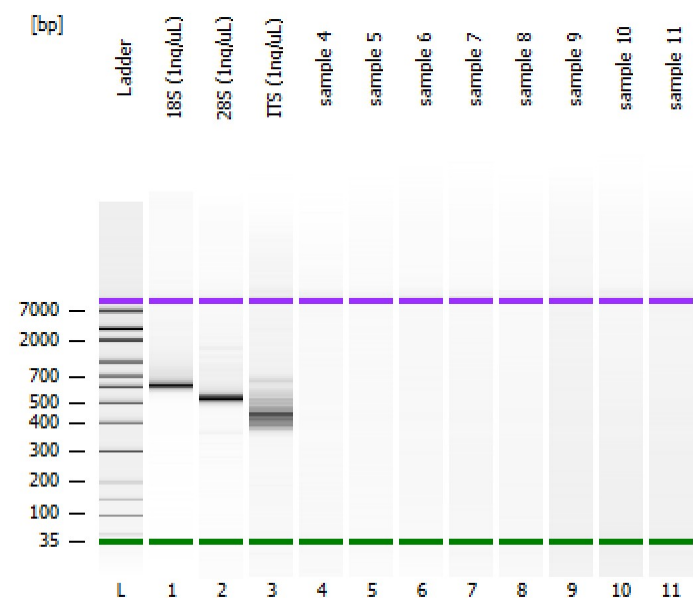


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gh Sensitivity DNA Assay_DE24802386_2023-05-19_15-19-15.xad

Created: 5/19/2023 3:19:15 PM
Modified: 5/19/2023 4:00:39 PM

Electrophoresis File Run Summary



Instrument Information:

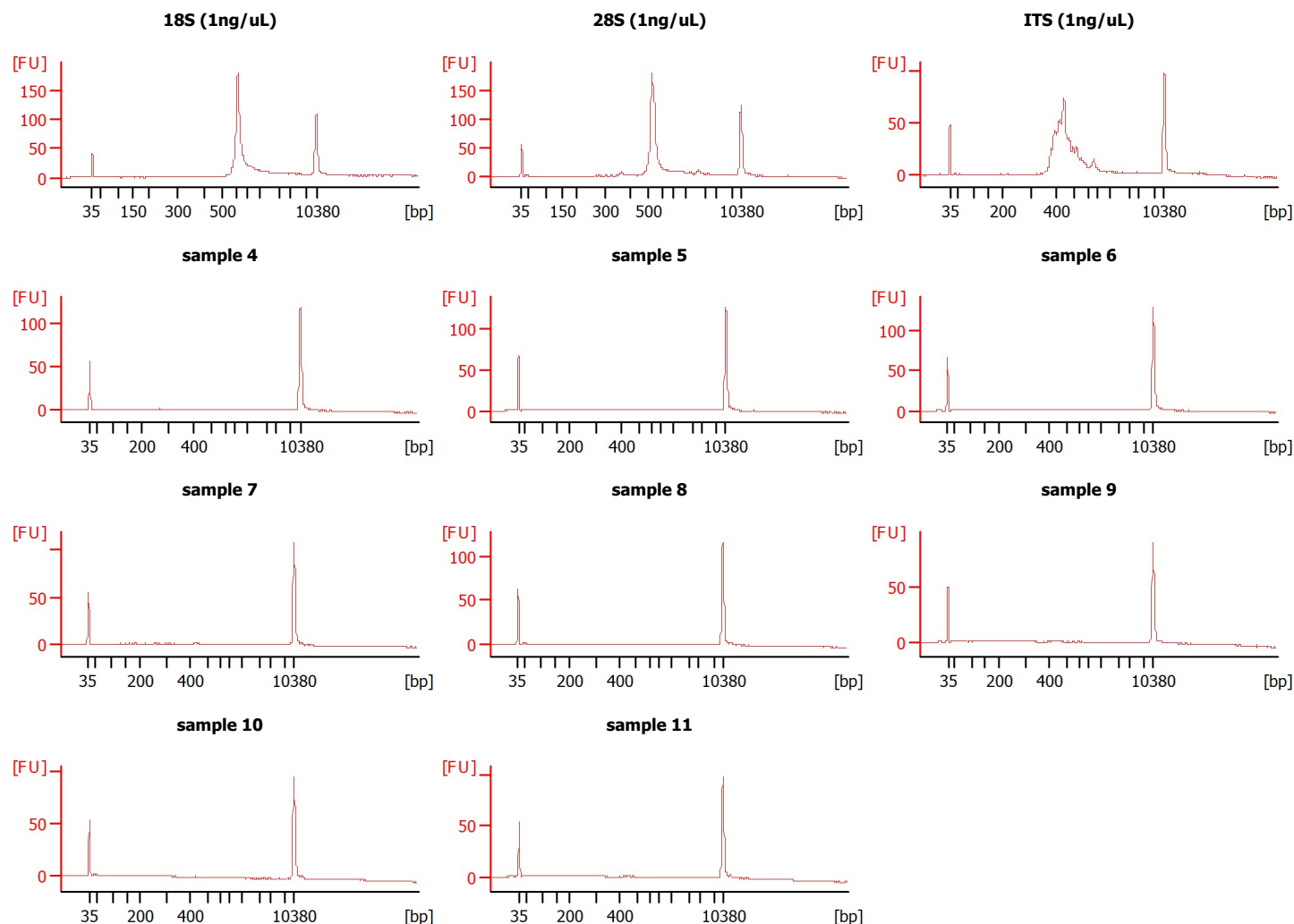
Instrument Name: DE24802386 Firmware: C.01.069
Serial#: DE24802386 Type: G2938B

Assay Information:

Assay Origin Path: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\assays\dsDNA\High Sensitivity DNA.xsy
Assay Class: High Sensitivity DNA Assay
Version: 1.03
Assay Comments: Copyright © 2003-2010 Agilent Technologies

Chip Information:

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



Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gh Sensitivity DNA Assay_DE24802386_2023-05-19_15-19-15.xad

Created: 5/19/2023 3:19:15 PM
Modified: 5/19/2023 4:00:39 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
18S (1ng/uL)		<input type="checkbox"/>	✓			
28S (1ng/uL)		<input type="checkbox"/>	✓			
ITS (1ng/uL)		<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"/>	✓			
Ladder		<input type="checkbox"/>	✓			
Chip Lot #			Reagent Kit Lot #			

Chip Comments :

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gh Sensitivity DNA Assay_DE24802386_2023-05-19_15-19-15.xad

Created: 5/19/2023 3:19:15 PM
Modified: 5/19/2023 4:00:39 PM

Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 12
Minimum Visible Range [s] : 32
Maximum Visible Range [s] : 138
Start Analysis Time Range [s] : 33
End Analysis Time Range [s] : 137.5
Ladder Concentration [pg/μl] : 1950
Uses Standard Area for Ladder Fragments
Lower Marker Concentration [pg/μl] : 125
Upper Marker Concentration [pg/μl] : 75
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] : 33.05
Integration End Time [s] : 137
Slope Threshold : 0.8
Height Threshold [FU] : 5
Area Threshold : 0.1
Width Threshold [s] : 0.6
Baseline Plateau [s] : 0.5

Filter Settings

Filter Width [s] : 0.5
Polynomial Order : 4

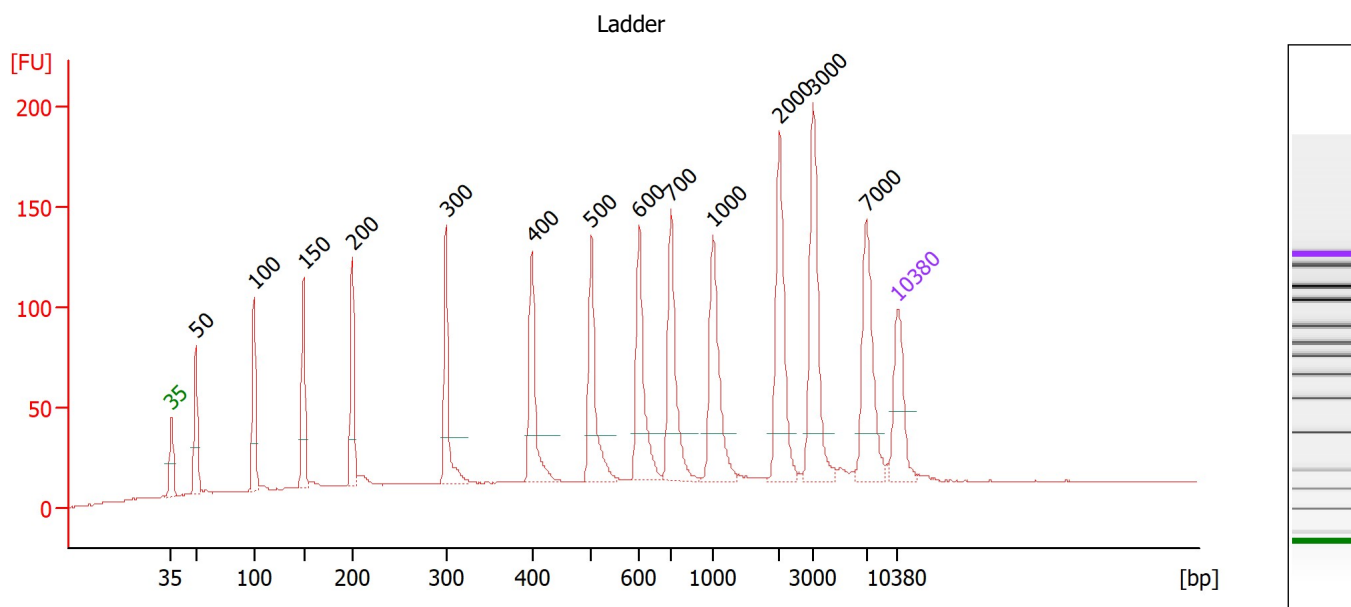
Ladder

Ladder Peak	Size	Area
1	35	160
2	50	210
3	100	208
4	150	221
5	200	242
6	300	270
7	400	305
8	500	306
9	600	336
10	700	321
11	1000	366
12	2000	413
13	3000	411
14	7000	400
15	10380	214

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE24802386_2023-05-19_15-19-15.xad

Created: 5/19/2023 3:19:15 PM
 Modified: 5/19/2023 4:00:39 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.3

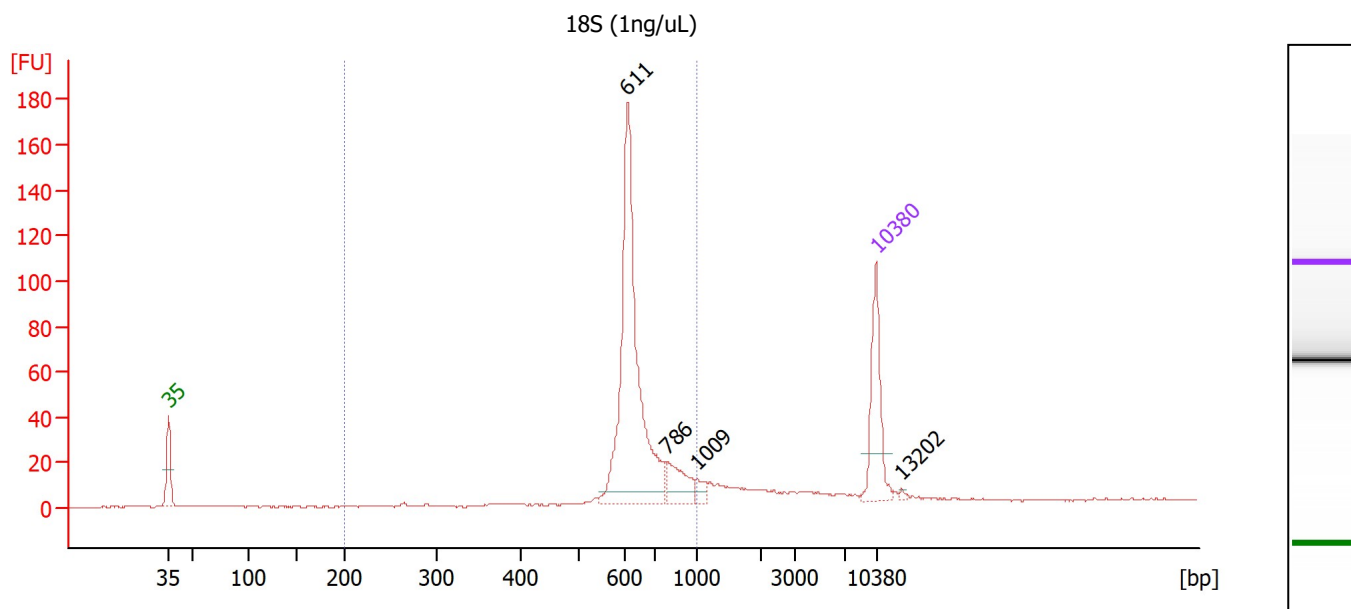
Peak table for Ladder

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	50	150.00	4,545.5	Ladder Peak
3	100	150.00	2,272.7	Ladder Peak
4	150	150.00	1,515.2	Ladder Peak
5	200	150.00	1,136.4	Ladder Peak
6	300	150.00	757.6	Ladder Peak
7	400	150.00	568.2	Ladder Peak
8	500	150.00	454.5	Ladder Peak
9	600	150.00	378.8	Ladder Peak
10	700	150.00	324.7	Ladder Peak
11	1,000	150.00	227.3	Ladder Peak
12	2,000	150.00	113.6	Ladder Peak
13	3,000	150.00	75.8	Ladder Peak
14	7,000	150.00	32.5	Ladder Peak
15	10,380	75.00	10.9	Upper Marker

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE24802386_2023-05-19_15-19-15.xad

Created: 5/19/2023 3:19:15 PM
 Modified: 5/19/2023 4:00:39 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : 18S (1ng/uL)

Number of peaks found: 4 Corr. Area 1: 408.0
 Noise: 0.3

Peak table for sample 1 : 18S (1ng/uL)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	611	358.88	889.7	
3	786	40.95	78.9	
4	1,009	12.26	18.4	
5	10,380	75.00	10.9	Upper Marker
6	13,202	0.00	0.0	

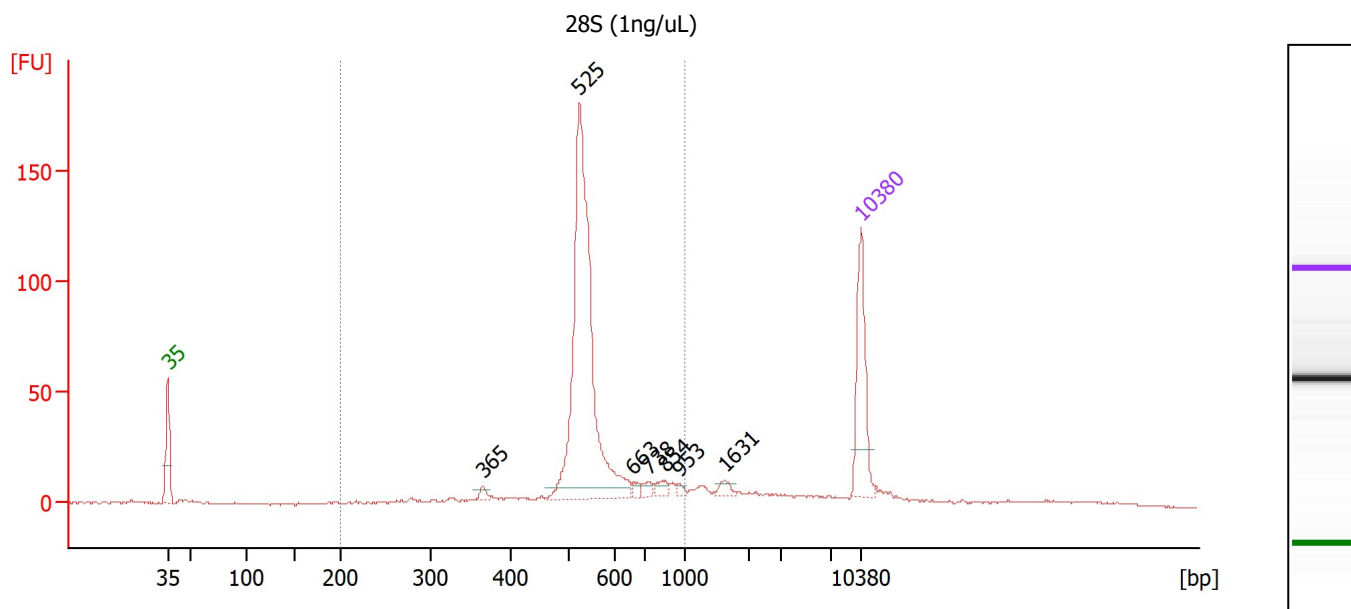
Region table for sample 1 : 18S (1ng/uL)

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	408.0	77	654	14.3	411.70	974.7	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE24802386_2023-05-19_15-19-15.xad

Created: 5/19/2023 3:19:15 PM
 Modified: 5/19/2023 4:00:39 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : 28S (1ng/uL)

Number of peaks found: 7 Corr. Area 1: 569.0
 Noise: 0.5

Peak table for sample 2 : 28S (1ng/uL)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	365	7.02	29.2	
3	525	413.53	1,194.4	
4	663	5.55	12.7	
5	738	7.05	14.5	
6	854	9.45	16.8	
7	953	4.22	6.7	
8	1,631	6.84	6.4	
9	10,380	75.00	10.9	Upper Marker

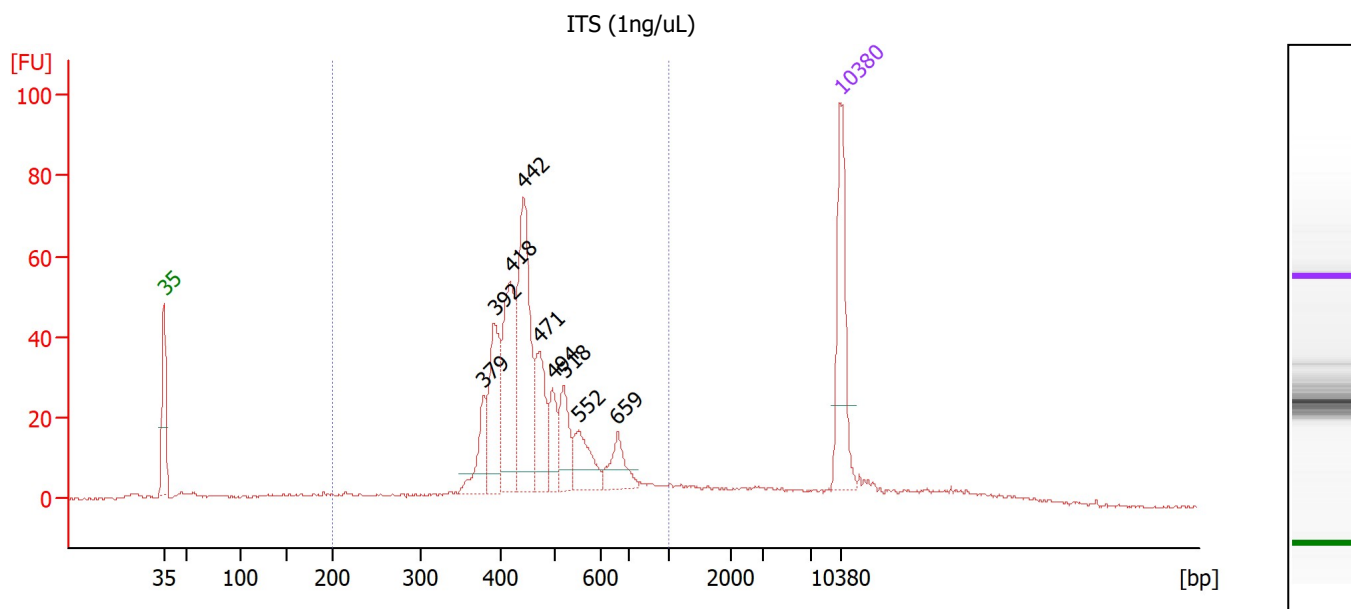
Region table for sample 2 : 28S (1ng/uL)

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	569.0	77	550	20.8	553.68	1,624.3	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE24802386_2023-05-19_15-19-15.xad

Created: 5/19/2023 3:19:15 PM
 Modified: 5/19/2023 4:00:39 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : ITS (1ng/uL)

Number of peaks found: 9 Corr. Area 1: 598.4
 Noise: 0.3

Peak table for sample 3 : ITS (1ng/uL)

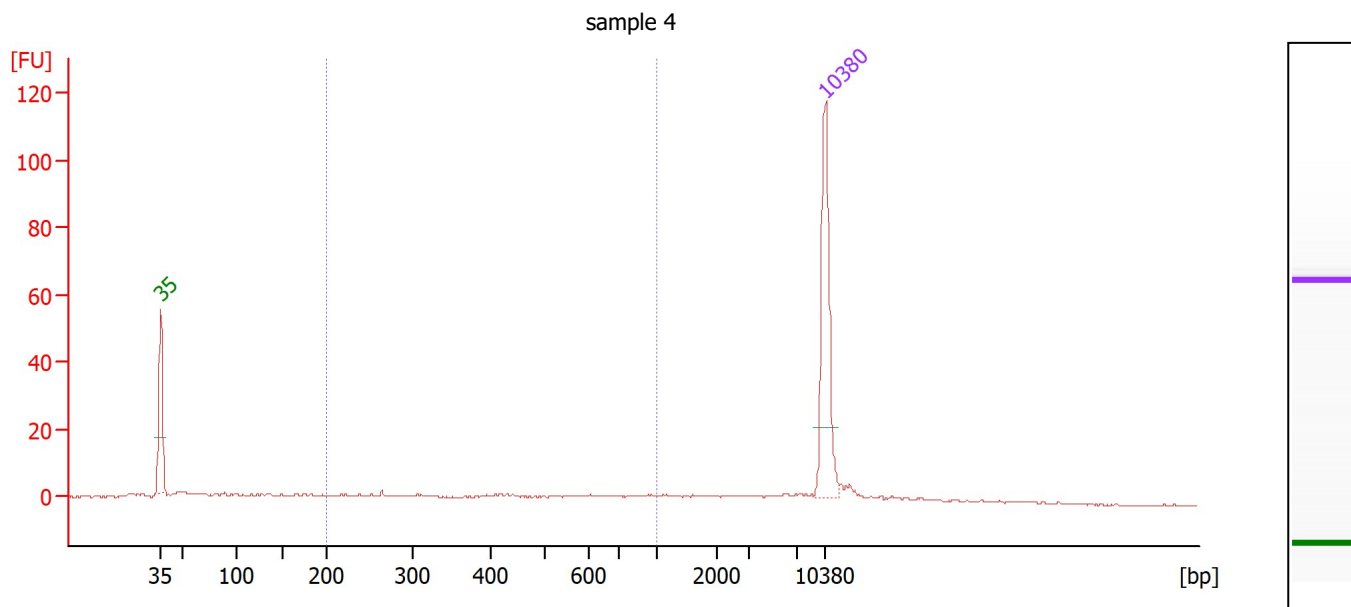
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	379	40.86	163.3	
3	392	84.11	324.7	
4	418	108.60	393.8	
5	442	159.74	547.8	
6	471	63.80	205.4	
7	494	34.28	105.0	
8	518	42.47	124.1	
9	552	41.34	113.4	
10	659	30.62	70.4	
11	10,380	75.00	10.9	Upper Marker

Region table for sample 3 : ITS (1ng/uL)

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	598.4	79	473	23.7	739.95	2,535.7	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE24802386_2023-05-19_15-19-15.xad

Created: 5/19/2023 3:19:15 PM
 Modified: 5/19/2023 4:00:39 PM

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

Number of peaks found: 0 Corr. Area 1: 56.1
 Noise: 0.2

Peak table for sample 4 : sample 4

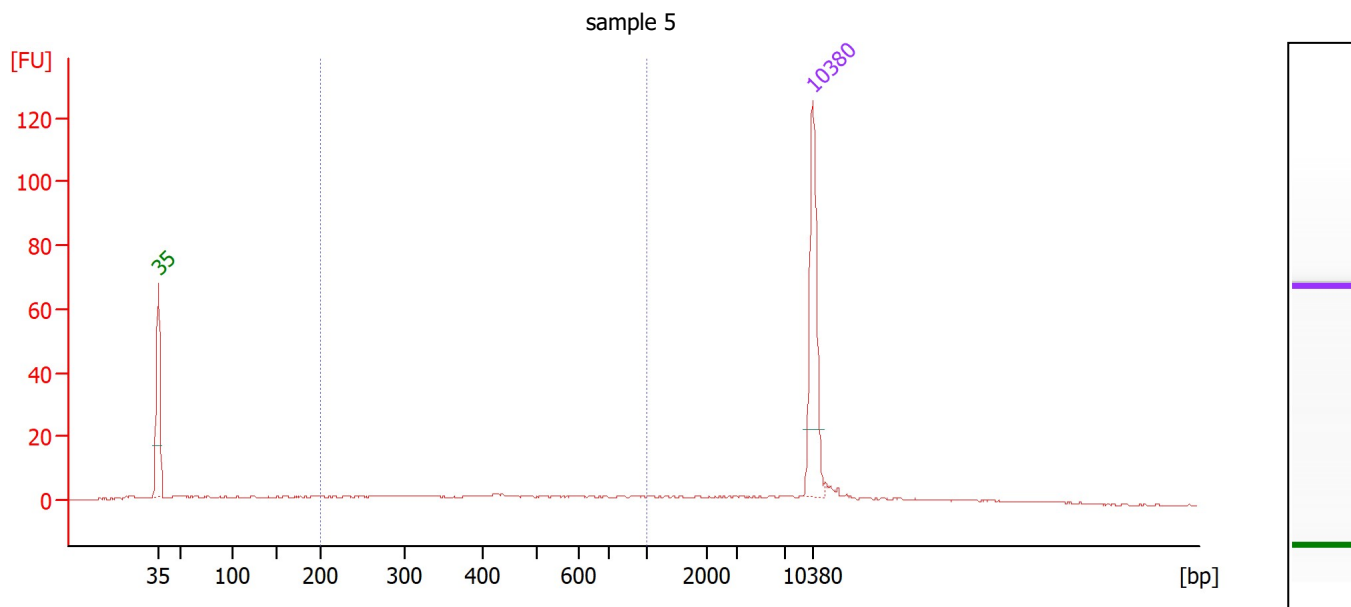
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	10,380	75.00	10.9	Upper Marker

Region table for sample 4 : sample 4

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	56.1	36	479	43.0	60.51	248.5	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE24802386_2023-05-19_15-19-15.xad

Created: 5/19/2023 3:19:15 PM
 Modified: 5/19/2023 4:00:39 PM

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

Number of peaks found: 0 Corr. Area 1: 75.9
 Noise: 0.1

Peak table for sample 5 : sample 5

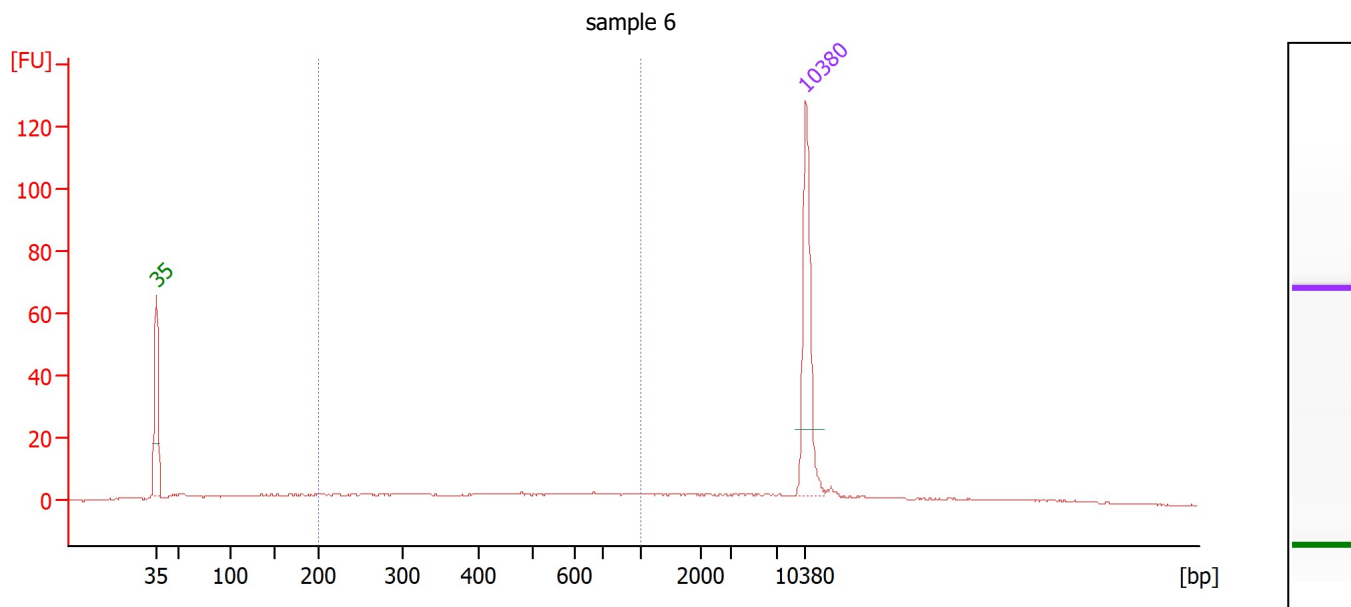
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	10,380	75.00	10.9	Upper Marker

Region table for sample 5 : sample 5

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	75.9	41	463	41.8	86.10	355.6	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE24802386_2023-05-19_15-19-15.xad

Created: 5/19/2023 3:19:15 PM
 Modified: 5/19/2023 4:00:39 PM

Electropherogram Summary Continued ...**Overall Results for sample 6 : sample 6**

Number of peaks found: 0 Corr. Area 1: 101.5
 Noise: 0.2

Peak table for sample 6 : sample 6

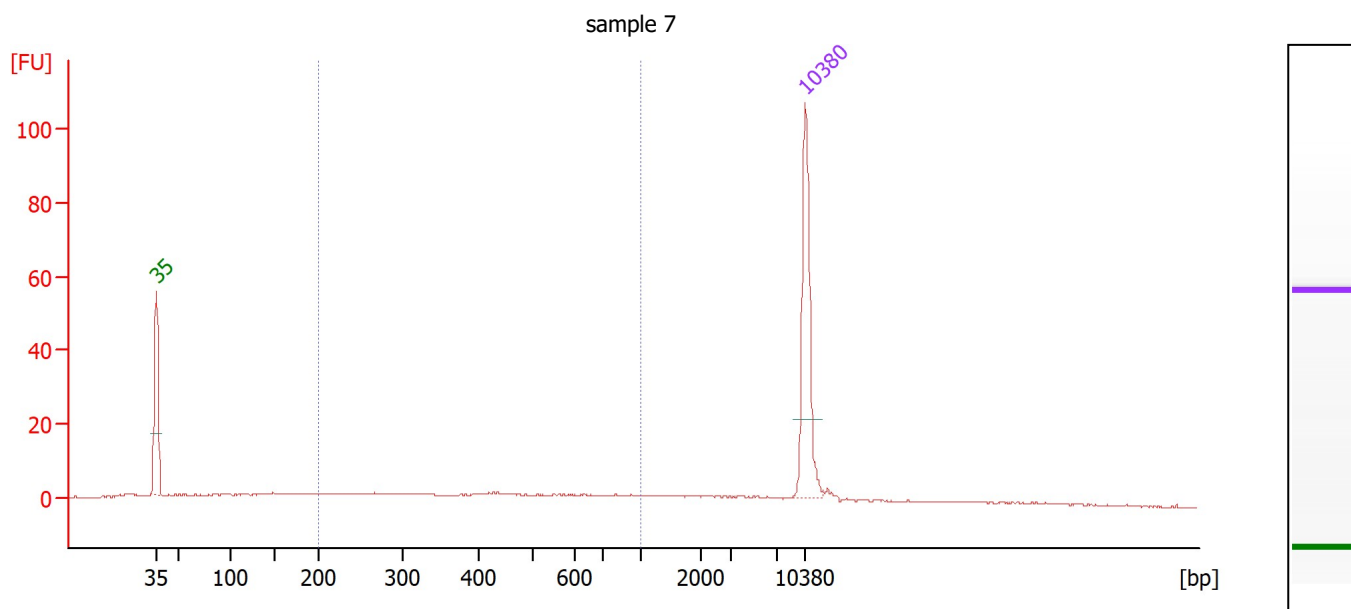
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	10,380	75.00	10.9	Upper Marker

Region table for sample 6 : sample 6

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	101.5	43	466	42.3	108.35	449.9	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE24802386_2023-05-19_15-19-15.xad

Created: 5/19/2023 3:19:15 PM
 Modified: 5/19/2023 4:00:39 PM

Electropherogram Summary Continued ...**Overall Results for sample 7 : sample 7**

Number of peaks found: 0 Corr. Area 1: 79.9
 Noise: 0.2

Peak table for sample 7 : sample 7

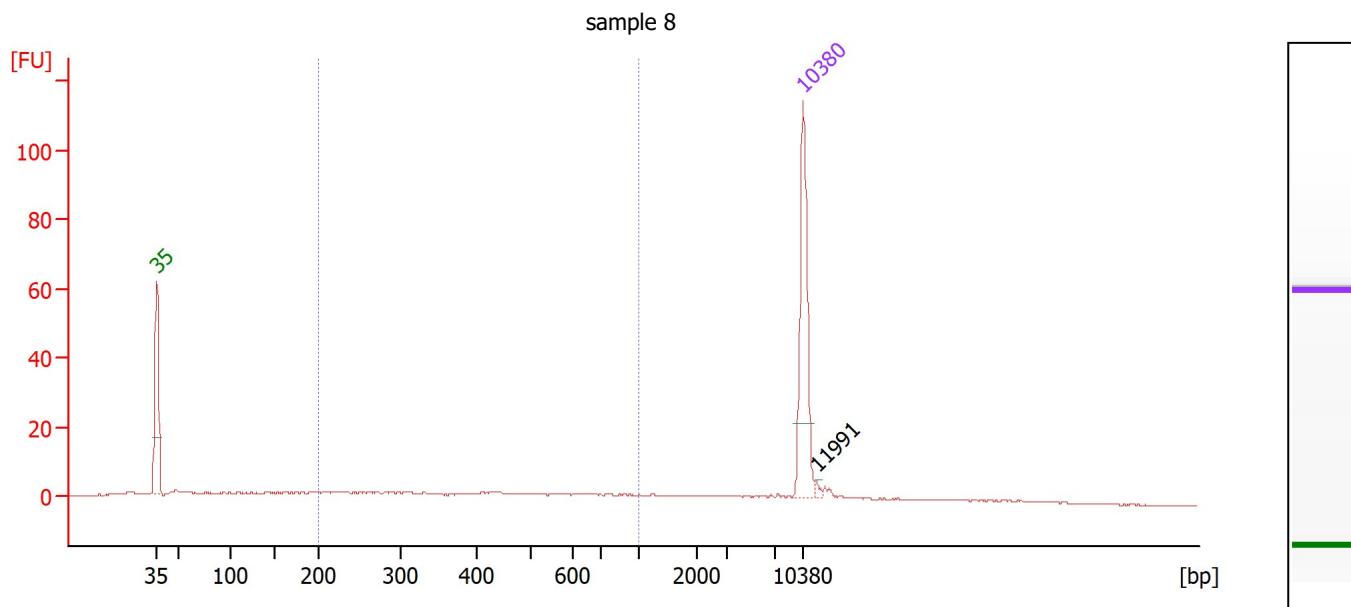
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	10,380	75.00	10.9	Upper Marker

Region table for sample 7 : sample 7

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	79.9	44	458	42.6	98.31	414.4	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE24802386_2023-05-19_15-19-15.xad

Created: 5/19/2023 3:19:15 PM
 Modified: 5/19/2023 4:00:39 PM

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

Number of peaks found: 1 Corr. Area 1: 71.8
 Noise: 0.2

Peak table for sample 8 : sample 8

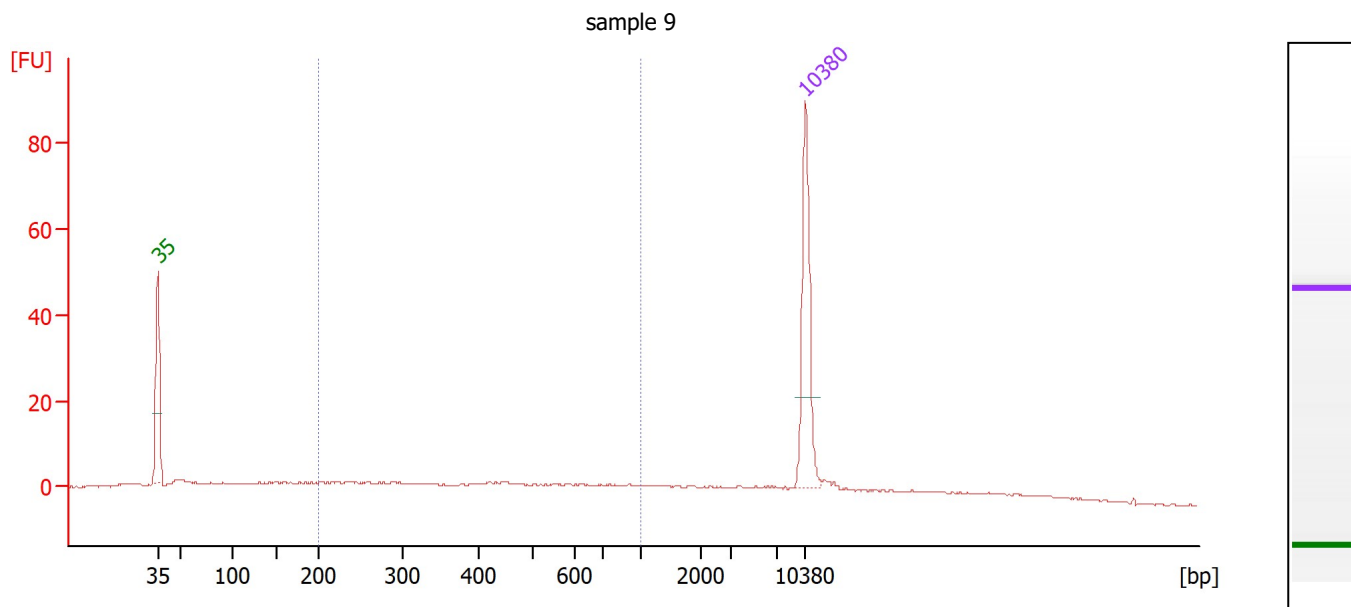
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	10,380	75.00	10.9	Upper Marker
3	11,991	0.00	0.0	

Region table for sample 8 : sample 8

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	71.8	41	454	42.8	88.22	375.2	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE24802386_2023-05-19_15-19-15.xad

Created: 5/19/2023 3:19:15 PM
 Modified: 5/19/2023 4:00:39 PM

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

Number of peaks found: 0 Corr. Area 1: 93.8
 Noise: 0.2

Peak table for sample 9 : sample 9

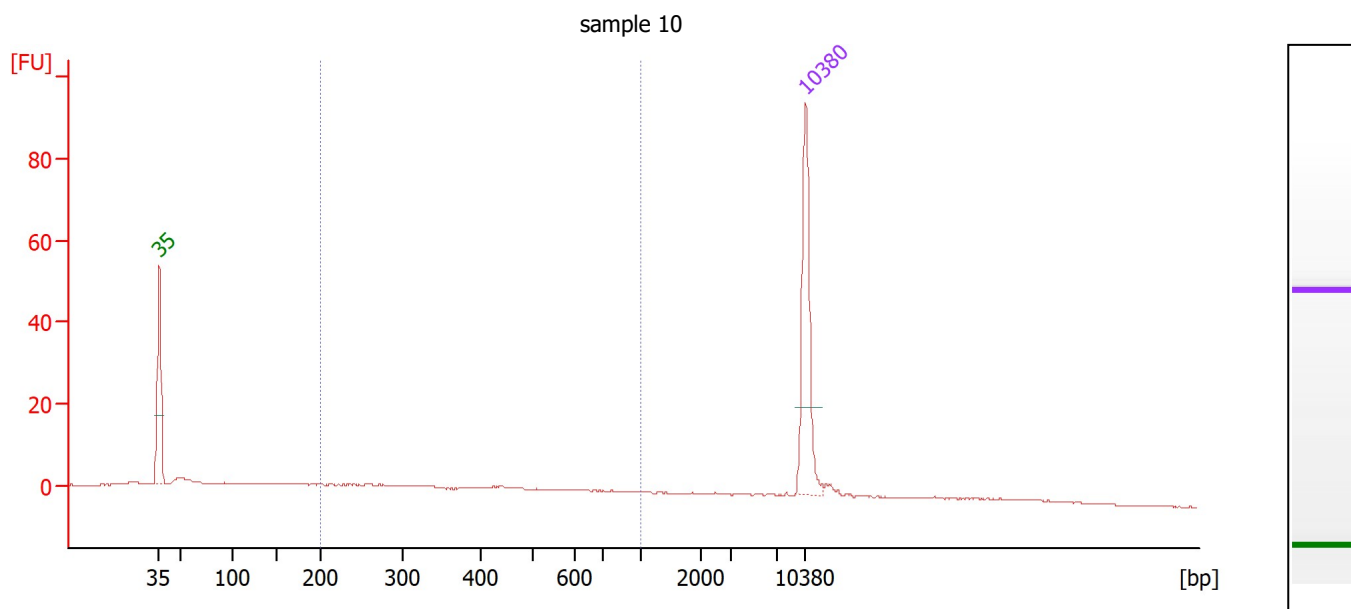
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	10,380	75.00	10.9	Upper Marker

Region table for sample 9 : sample 9

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	93.8	41	465	42.6	140.38	585.0	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE24802386_2023-05-19_15-19-15.xad

Created: 5/19/2023 3:19:15 PM
 Modified: 5/19/2023 4:00:39 PM

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

Number of peaks found: 0 Corr. Area 1: 60.6
 Noise: 0.1

Peak table for sample 10 : sample 10

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	10,380	75.00	10.9	Upper Marker

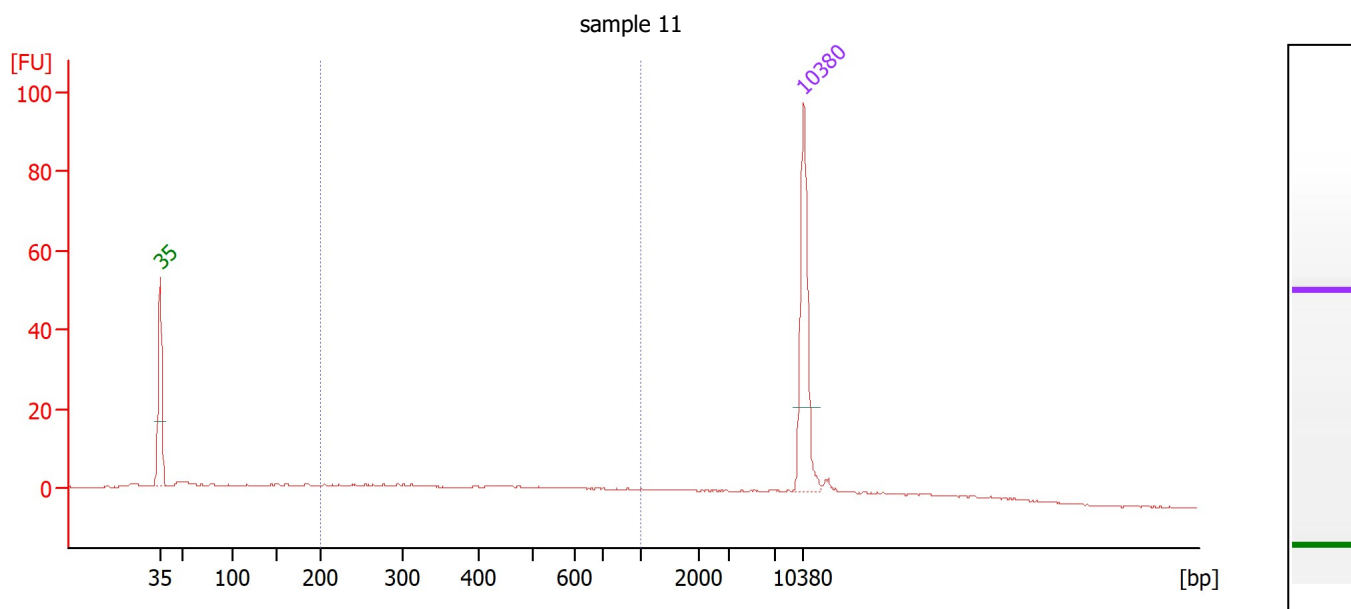
Region table for sample 10 : sample 10

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	60.6	38	433	42.9	85.80	377.6	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE24802386_2023-05-19_15-19-15.xad

Created: 5/19/2023 3:19:15 PM
 Modified: 5/19/2023 4:00:39 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : sample 11

Number of peaks found: 0 Corr. Area 1: 91.0
 Noise: 0.2

Peak table for sample 11 : sample 11

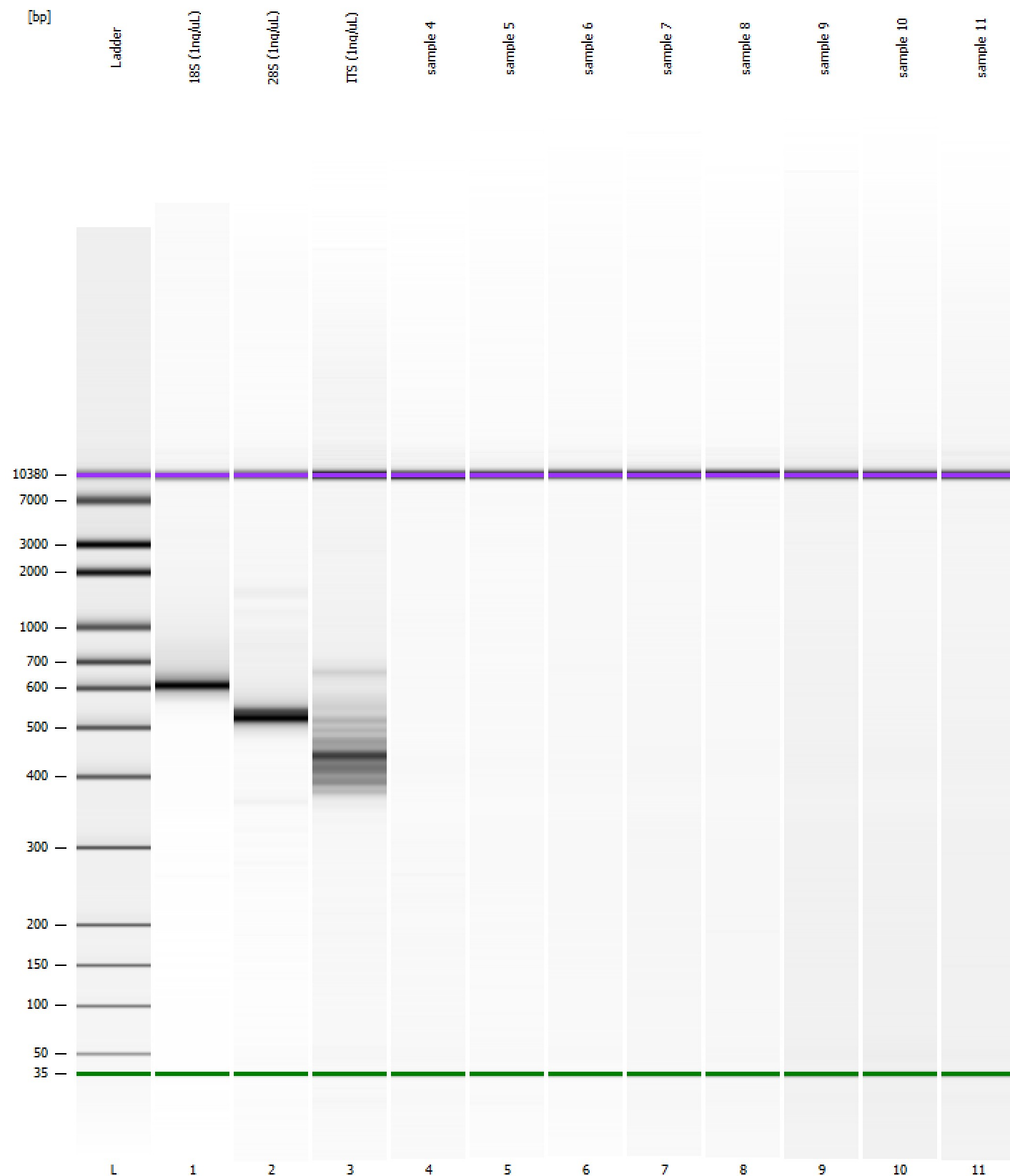
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	10,380	75.00	10.9	Upper Marker

Region table for sample 11 : sample 11

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	91.0	41	456	42.4	126.35	532.4	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gh Sensitivity DNA Assay_DE24802386_2023-05-19_15-19-15.xad

Created: 5/19/2023 3:19:15 PM
Modified: 5/19/2023 4:00:39 PM

Gel Image

Assay Class: High Sensitivity DNA Assay Created: 5/19/2023 3:19:15 PM
 Data Path: C:\...gh Sensitivity DNA Assay_DE24802386_2023-05-19_15-19-15.xad Modified: 5/19/2023 4:00:39 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 7 (Number of wells acquired: 12)		Instrument	Run		5/19/2023 4:00:37 PM	(GMT --10:00) Hawaiian Standard Time	MGAL	DESKTOP-JIFBN 51
Run started on port 7 (File: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\Data\2023-05-19\2100 expert_High Sensitivity DNA Assay_DE24802386_2023-05-19_15-19-15.xad)		Instrument	Run		5/19/2023 3:19:24 PM	(GMT --10:00) Hawaiian Standard Time	MGAL	DESKTOP-JIFBN 51
Product Number : G2938B		Instrument	Run		5/19/2023 3:19:24 PM	(GMT --10:00) Hawaiian Standard Time	MGAL	DESKTOP-JIFBN 51
Name :		Instrument	Run		5/19/2023 3:19:24 PM	(GMT --10:00) Hawaiian Standard Time	MGAL	DESKTOP-JIFBN 51
Vendor : Agilent Technologies		Instrument	Run		5/19/2023 3:19:24 PM	(GMT --10:00) Hawaiian Standard Time	MGAL	DESKTOP-JIFBN 51
Serial# : DE24802386		Instrument	Run		5/19/2023 3:19:24 PM	(GMT --10:00) Hawaiian Standard Time	MGAL	DESKTOP-JIFBN 51
Firmware : C.01.069		Instrument	Run		5/19/2023 3:19:24 PM	(GMT --10:00) Hawaiian Standard Time	MGAL	DESKTOP-JIFBN 51
Cartridge : Electrode		Instrument	Run		5/19/2023 3:19:24 PM	(GMT --10:00) Hawaiian Standard Time	MGAL	DESKTOP-JIFBN 51