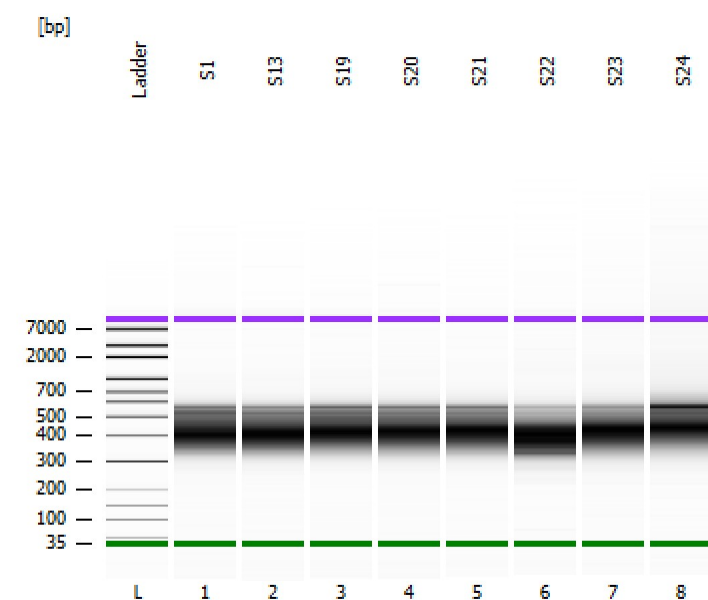


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...2100 expert\data\2025-10-21\10XSC0438 BATCH 1 LIBRARIES.xad

Created: 10/21/2025 9:13:49 AM
Modified: 10/21/2025 10:13:09 AM

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 (x86)\Agilent\2100 bioanalyzer\2100 expert\assays\dsDNA\High Sensitivity DNA.xsy

Assay Class: High Sensitivity DNA Assay

Version: 1.03

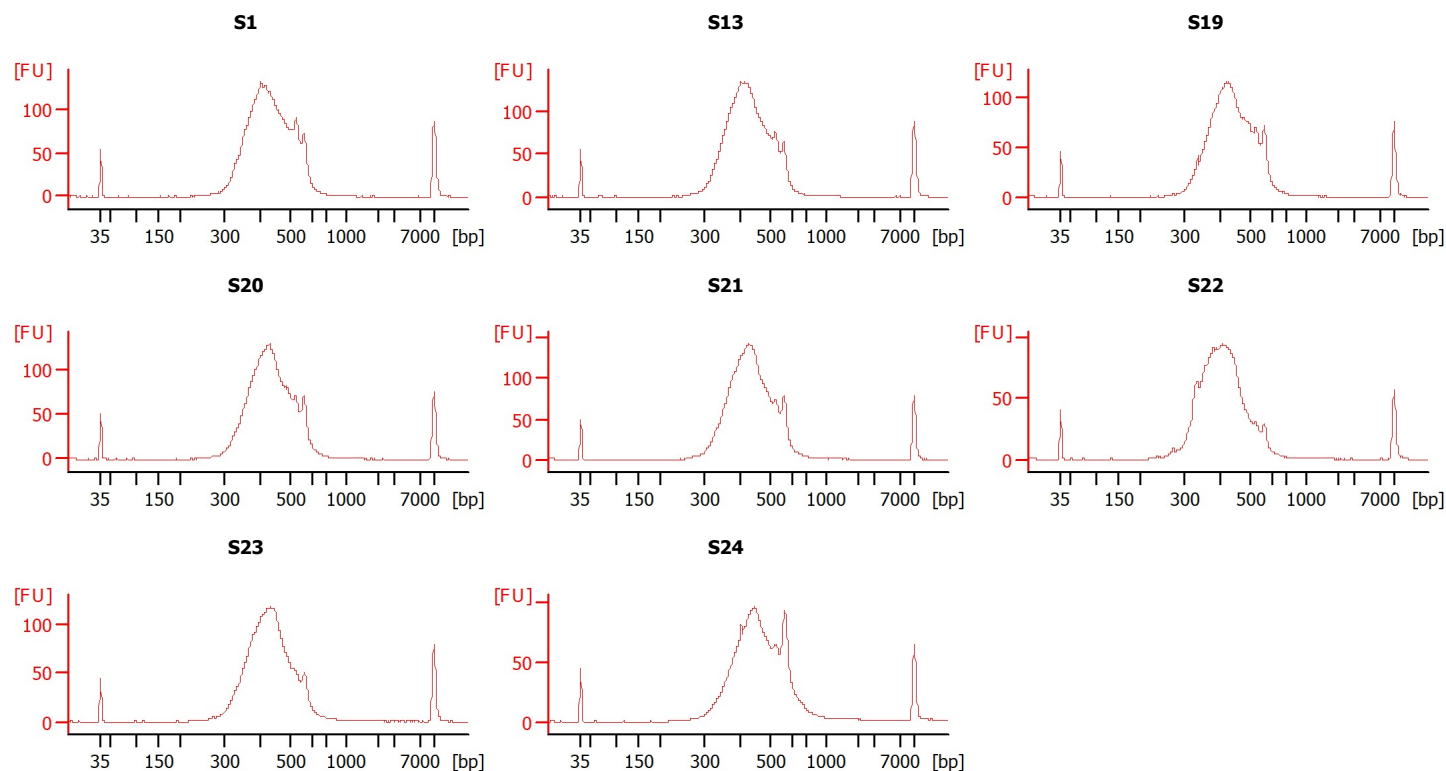
Assay Comments: Copyright © 2003-2010 Agilent Technologies

Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: High Sensitivity DNA Assay
Data Path: C:\...2100 expert\data\2025-10-21\10XSC0438 BATCH 1 LIBRARIES.xad

Created: 10/21/2025 9:13:49 AM
Modified: 10/21/2025 10:13:09 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
S1		☐	✓			
S13		☐	✓			
S19		☐	✓			
S20		☐	✓			
S21		☐	✓			
S22		☐	✓			
S23		☐	✓			
S24		☐	✓			
Ladder		☐	✓			

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

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...2100 expert\data\2025-10-21\10XSC0438 BATCH 1 LIBRARIES.xad

Created: 10/21/2025 9:13:49 AM
Modified: 10/21/2025 10:13:09 AM

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/ μ l] : 1950
Uses Standard Area for Ladder Fragments
Lower Marker Concentration [pg/ μ l] : 125
Upper Marker Concentration [pg/ μ l] : 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

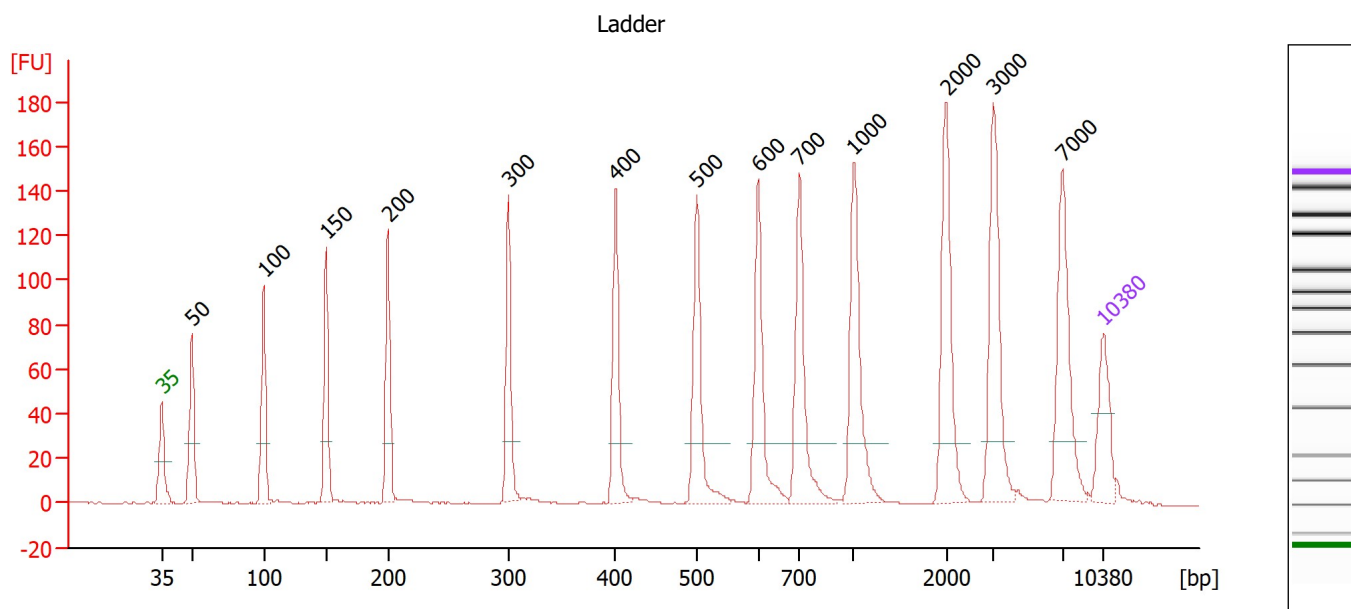
Ladder

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:\...2100 expert\data\2025-10-21\10XSC0438 BATCH 1 LIBRARIES.xad

Created: 10/21/2025 9:13:49 AM
Modified: 10/21/2025 10:13:09 AM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

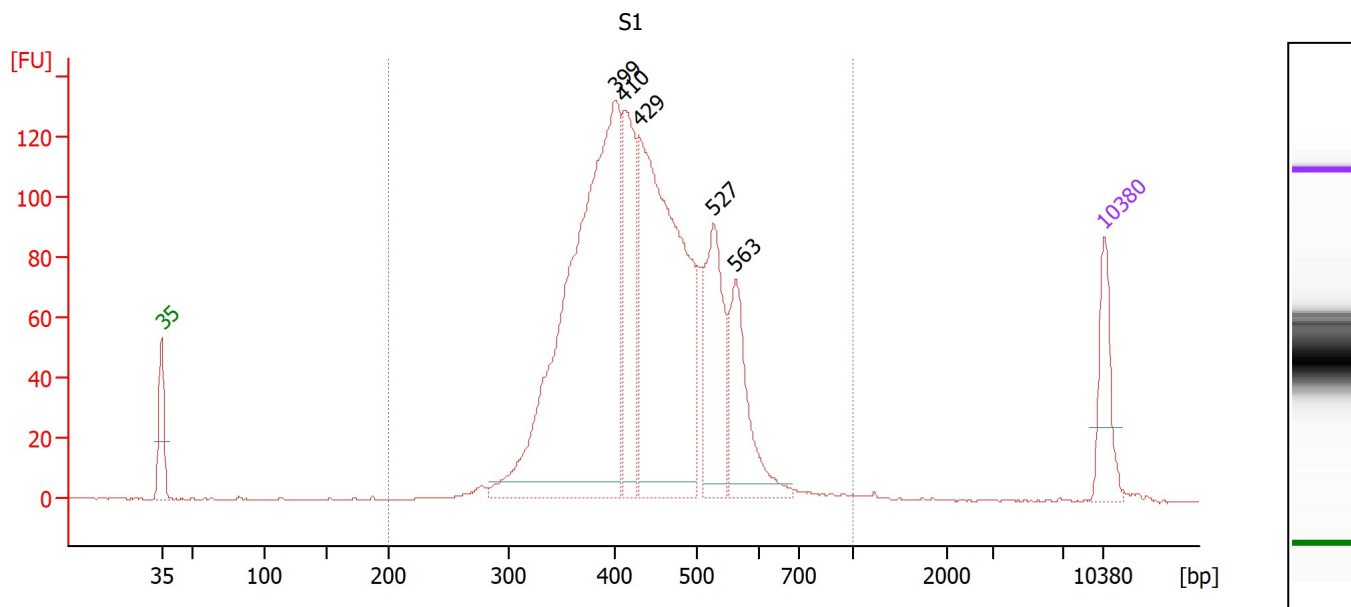
Peak table for Ladder

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:\...2100 expert\data\2025-10-21\10XSC0438 BATCH 1 LIBRARIES.xad

Created: 10/21/2025 9:13:49 AM
 Modified: 10/21/2025 10:13:09 AM

Electropherogram Summary Continued ...



Overall Results for sample 1 : S1

Number of peaks found: 5 Corr. Area 1: 1,847.7
 Noise: 0.2

Peak table for sample 1 : S1

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	399	1,016.10	3,858.1	
3	410	236.56	873.5	
4	429	736.70	2,601.4	
5	527	223.40	642.8	
6	563	177.53	477.5	
7	10,380	75.00	10.9	Upper Marker

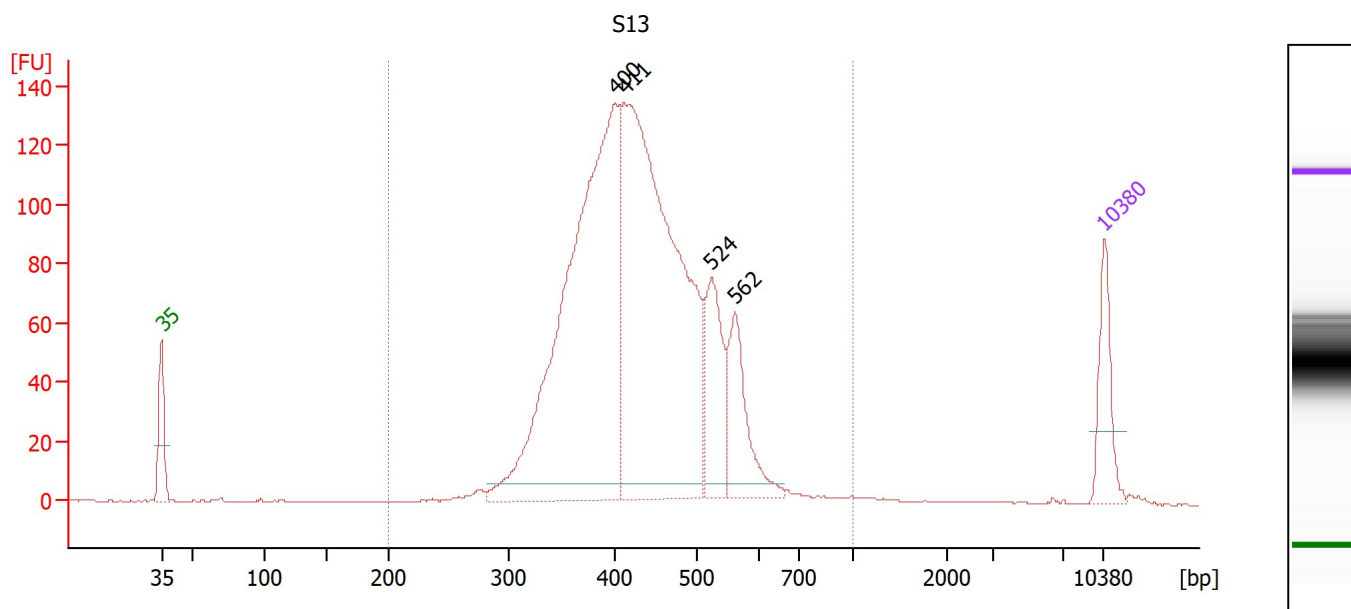
Region table for sample 1 : S1

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	1,847.7	98	440	18.3	2,594.17	9,292.9	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...2100 expert\data\2025-10-21\10XSC0438 BATCH 1 LIBRARIES.xad

Created: 10/21/2025 9:13:49 AM
 Modified: 10/21/2025 10:13:09 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 : S13

Number of peaks found: 4 Corr. Area 1: 1,834.6
 Noise: 0.3

Peak table for sample 2 : S13

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	400	1,028.91	3,901.4	
3	411	1,078.08	3,972.9	
4	524	164.47	475.5	
5	562	147.29	397.0	
6	10,380	75.00	10.9	Upper Marker

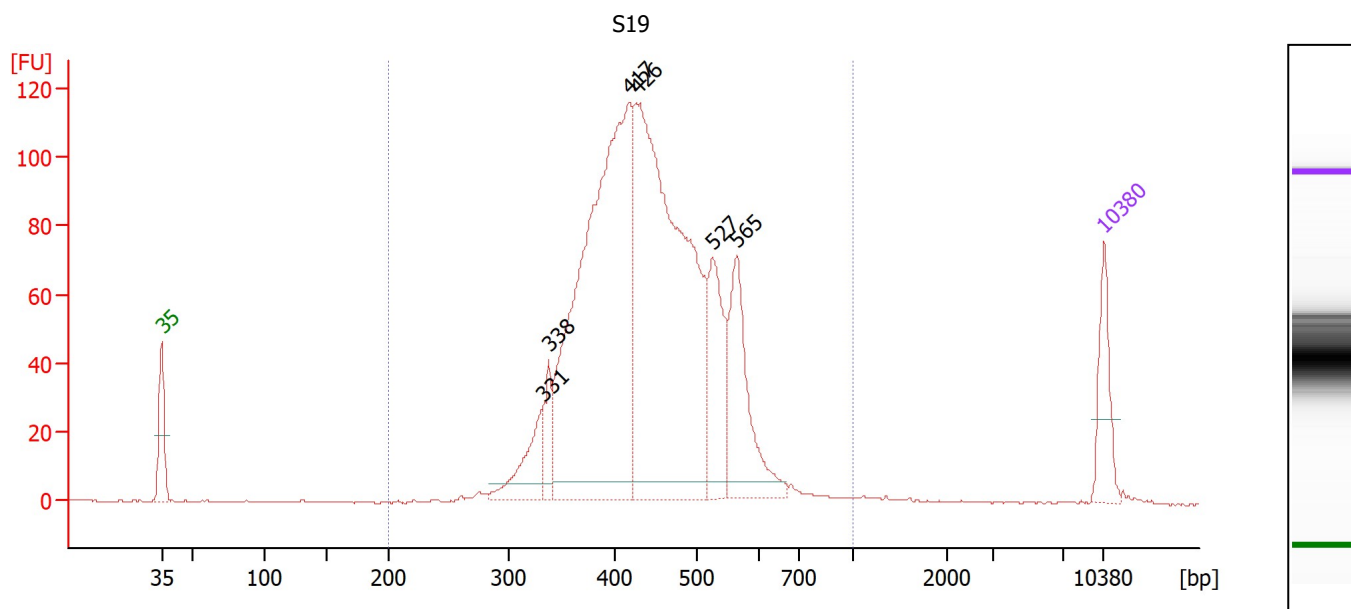
Region table for sample 2 : S13

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	1,834.6	98	435	18.2	2,559.96	9,277.5	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...2100 expert\data\2025-10-21\10XSC0438 BATCH 1 LIBRARIES.xad

Created: 10/21/2025 9:13:49 AM
 Modified: 10/21/2025 10:13:09 AM

Electropherogram Summary Continued ...



Overall Results for sample 3 : S19

Number of peaks found: 6 Corr. Area 1: 1,552.9
 Noise: 0.2

Peak table for sample 3 : S19

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	331	116.16	531.3	
3	338	63.51	285.1	
4	417	1,077.30	3,915.0	
5	426	1,078.28	3,834.6	
6	527	182.59	525.4	
7	565	227.97	611.1	
8	10,380	75.00	10.9	Upper Marker

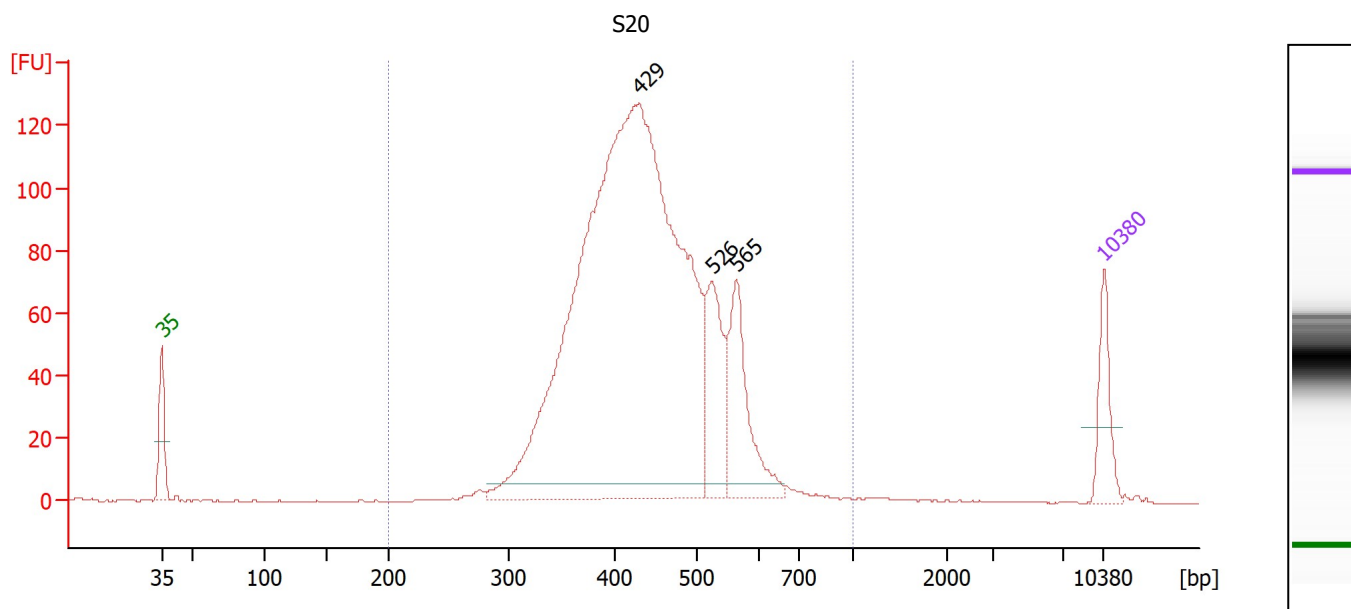
Region table for sample 3 : S19

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	1,552.9	99	445	17.8	2,850.30	10,075.3	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...2100 expert\data\2025-10-21\10XSC0438 BATCH 1 LIBRARIES.xad

Created: 10/21/2025 9:13:49 AM
 Modified: 10/21/2025 10:13:09 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : S20

Number of peaks found: 3 Corr. Area 1: 1,671.2
 Noise: 0.2

Peak table for sample 4 : S20

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	429	2,377.78	8,398.8	
3	526	200.85	578.8	
4	565	222.61	596.6	
5	10,380	75.00	10.9	Upper Marker

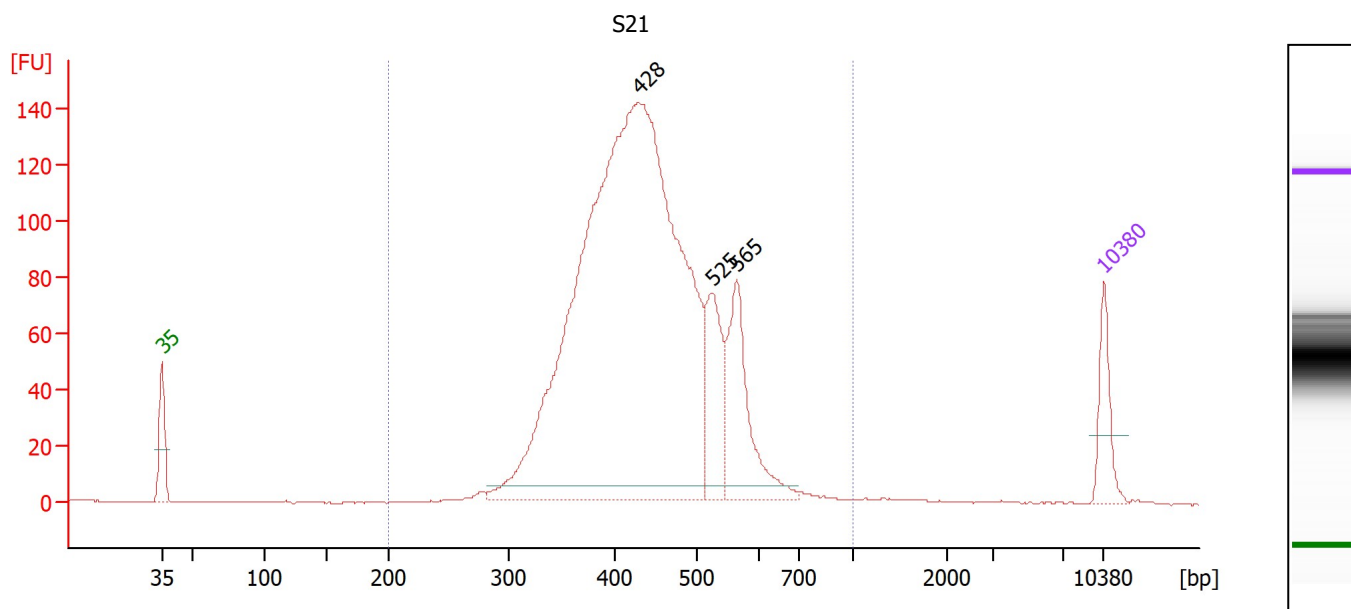
Region table for sample 4 : S20

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	1,671.2	98	442	18.1	2,981.46	10,638.8	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...2100 expert\data\2025-10-21\10XSC0438 BATCH 1 LIBRARIES.xad

Created: 10/21/2025 9:13:49 AM
 Modified: 10/21/2025 10:13:09 AM

Electropherogram Summary Continued ...



Overall Results for sample 5 : S21

Number of peaks found: 3 Corr. Area 1: 1,854.9
 Noise: 0.2

Peak table for sample 5 : S21

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	428	2,613.34	9,257.6	
3	525	195.30	564.0	
4	565	258.19	692.0	
5	10,380	75.00	10.9	Upper Marker

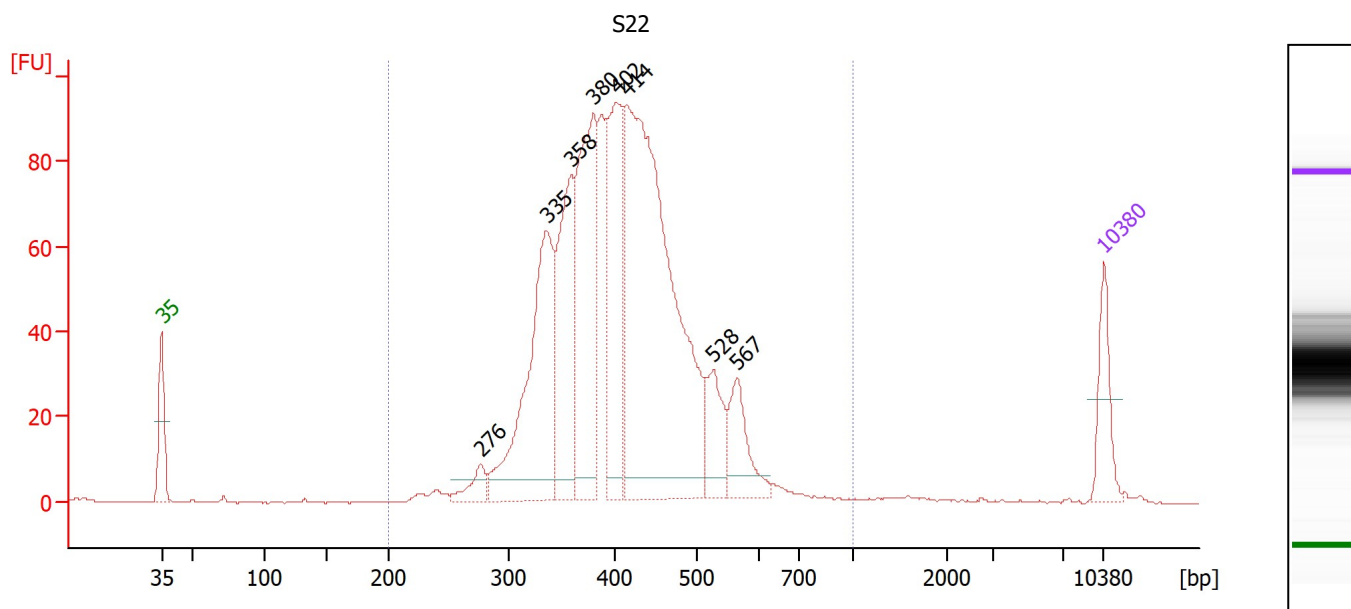
Region table for sample 5 : S21

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	1,854.9	98	442	18.1	3,264.94	11,654.5	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...2100 expert\data\2025-10-21\10XSC0438 BATCH 1 LIBRARIES.xad

Created: 10/21/2025 9:13:49 AM
 Modified: 10/21/2025 10:13:09 AM

Electropherogram Summary Continued ...



Overall Results for sample 6 : S22

Number of peaks found: 8 Corr. Area 1: 1,337.0
 Noise: 0.2

Peak table for sample 6 : S22

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	276	45.76	251.3	
3	335	490.58	2,217.9	
4	358	313.02	1,323.0	
5	380	442.77	1,767.5	
6	402	317.32	1,196.6	
7	414	1,076.08	3,941.8	
8	528	108.53	311.6	
9	567	110.41	295.2	
10	10,380	75.00	10.9	Upper Marker

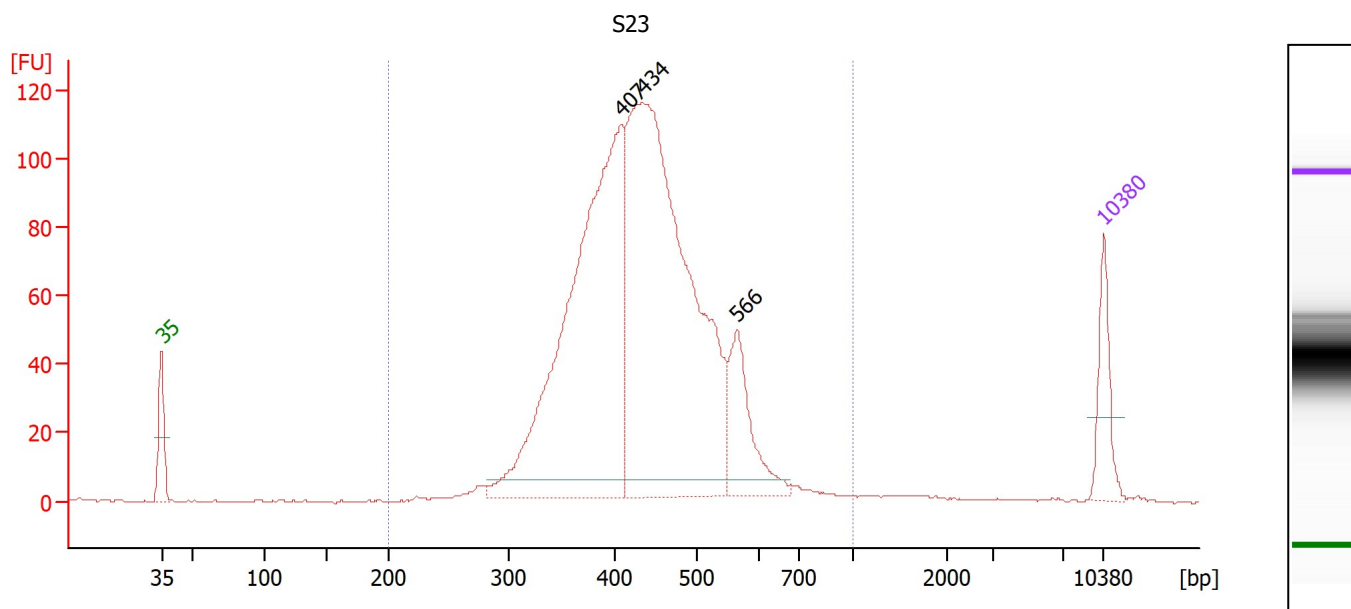
Region table for sample 6 : S22

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	1,337.0	97	414	19.1	3,233.24	12,357.7	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...2100 expert\data\2025-10-21\10XSC0438 BATCH 1 LIBRARIES.xad

Created: 10/21/2025 9:13:49 AM
 Modified: 10/21/2025 10:13:09 AM

Electropherogram Summary Continued ...



Overall Results for sample 7 : S23

Number of peaks found: 3 Corr. Area 1: 1,536.9
 Noise: 0.2

Peak table for sample 7 : S23

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	407	1,037.95	3,859.5	
3	434	1,252.99	4,379.4	
4	566	163.99	439.2	
5	10,380	75.00	10.9	Upper Marker

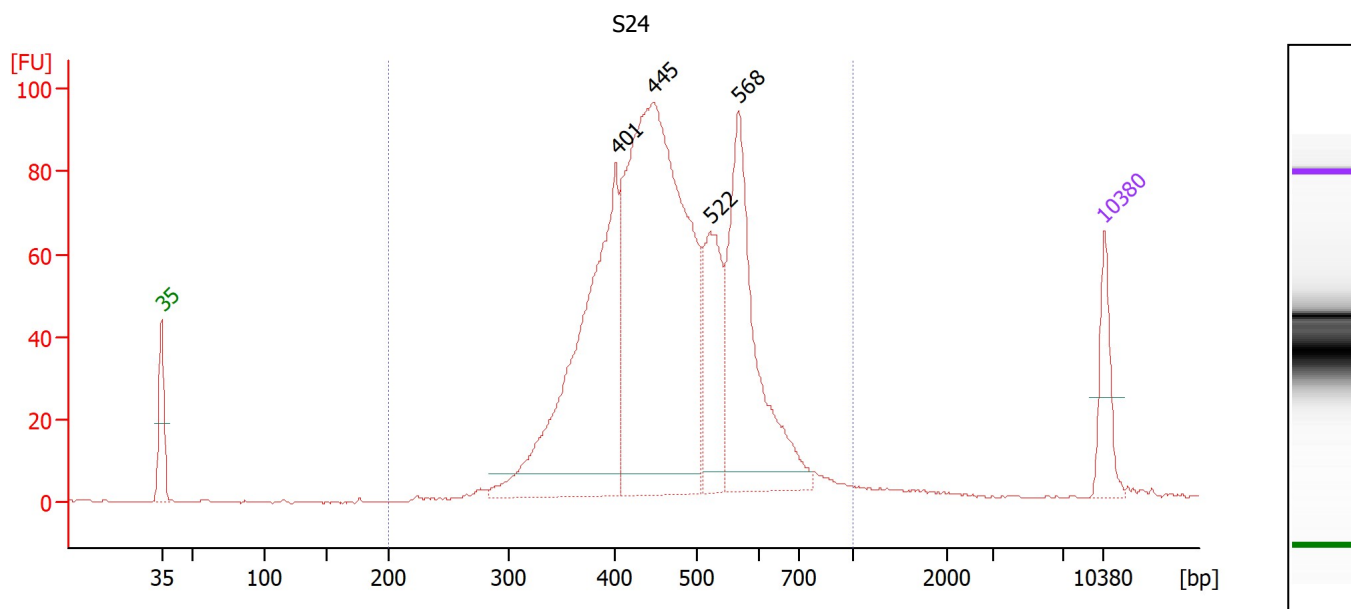
Region table for sample 7 : S23

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	1,536.9	97	439	19.1	2,660.63	9,601.5	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...2100 expert\data\2025-10-21\10XSC0438 BATCH 1 LIBRARIES.xad

Created: 10/21/2025 9:13:49 AM
 Modified: 10/21/2025 10:13:09 AM

Electropherogram Summary Continued ...



Overall Results for sample 8 : S24

Number of peaks found: 4 Corr. Area 1: 1,357.2
 Noise: 0.3

Peak table for sample 8 : S24

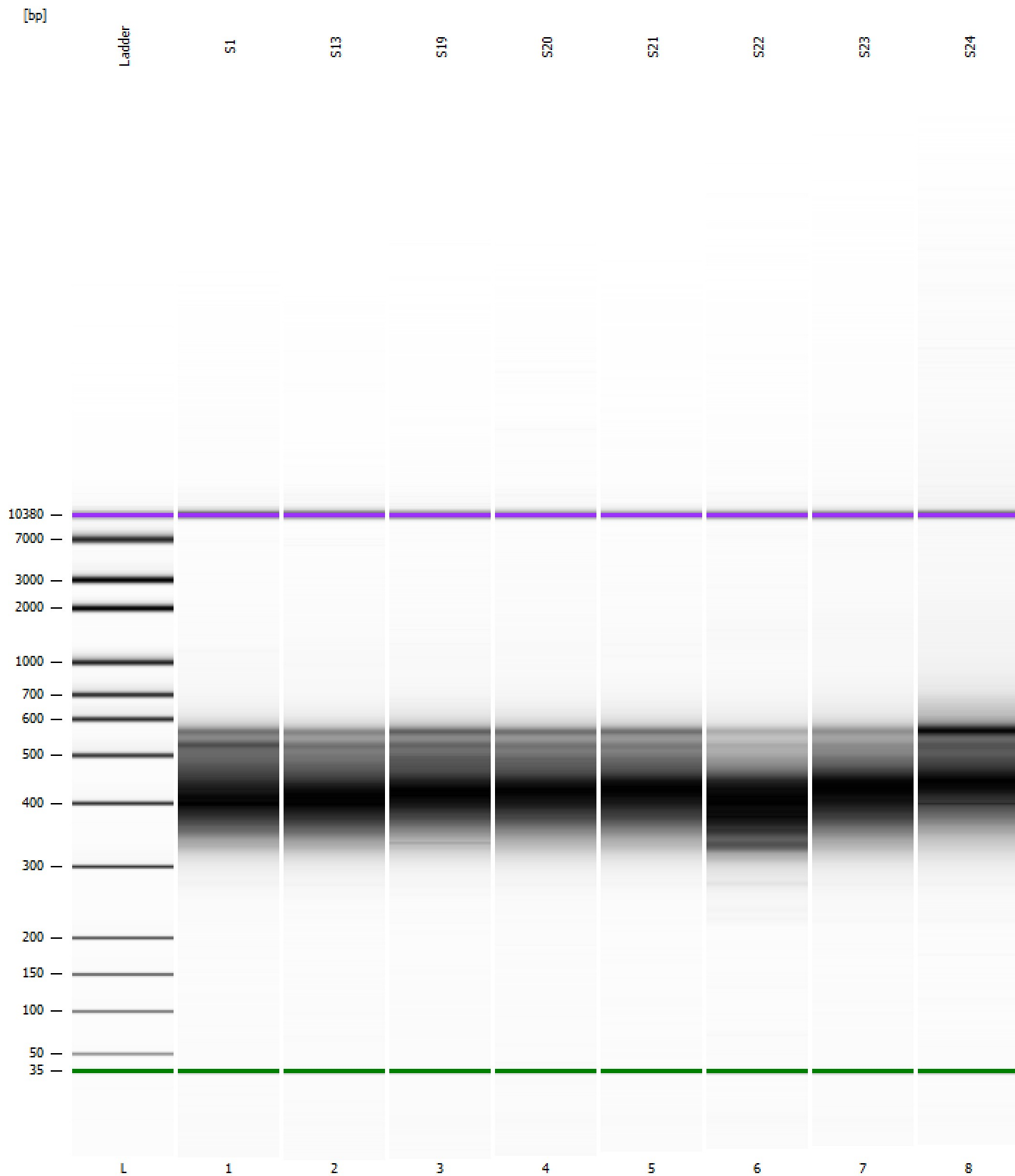
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	401	711.51	2,690.9	
3	445	1,183.37	4,025.5	
4	522	221.54	643.0	
5	568	467.56	1,247.4	
6	10,380	75.00	10.9	Upper Marker

Region table for sample 8 : S24

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	1,357.2	94	473	21.1	2,835.59	9,608.5	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...2100 expert\data\2025-10-21\10XSC0438 BATCH 1 LIBRARIES.xad

Created: 10/21/2025 9:13:49 AM
Modified: 10/21/2025 10:13:09 AM

Gel Image

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...2100 expert\data\2025-10-21\10XSC0438 BATCH 1 LIBRARIES.xad

Created: 10/21/2025 9:13:49 AM
 Modified: 10/21/2025 10:13:09 AM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 12)		Instrument	Run		10/21/2025 9:55:11 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\data\2025-10-21\Bioanalyzer1_High Sensitivity DNA Assay_DE34903152_2025-10-21_001.xad)		Instrument	Run		10/21/2025 9:13:56 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		10/21/2025 9:13:56 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		10/21/2025 9:13:56 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		10/21/2025 9:13:56 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		10/21/2025 9:13:56 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		10/21/2025 9:13:56 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		10/21/2025 9:13:55 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB