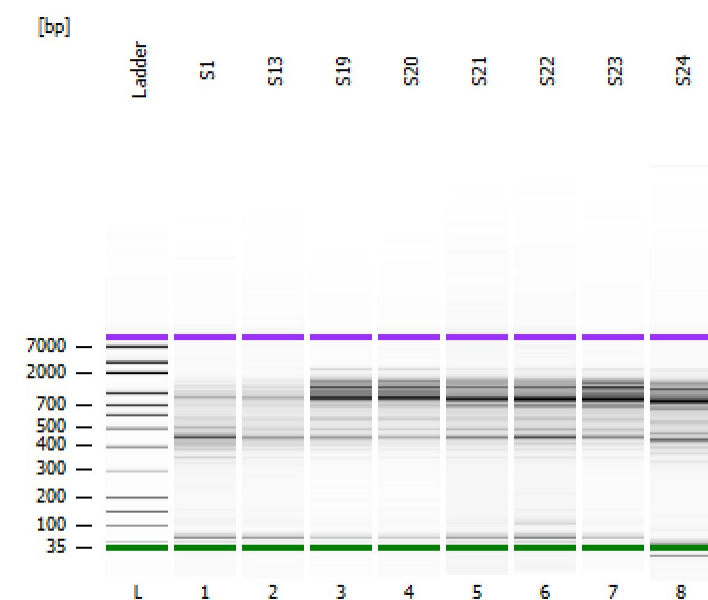


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...yzer\2100 expert\data\2025-10-17\10XSC0438 Batch-1 cDNA.xad

Created: 10/17/2025 9:31:53 AM
Modified: 10/17/2025 10:32:04 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

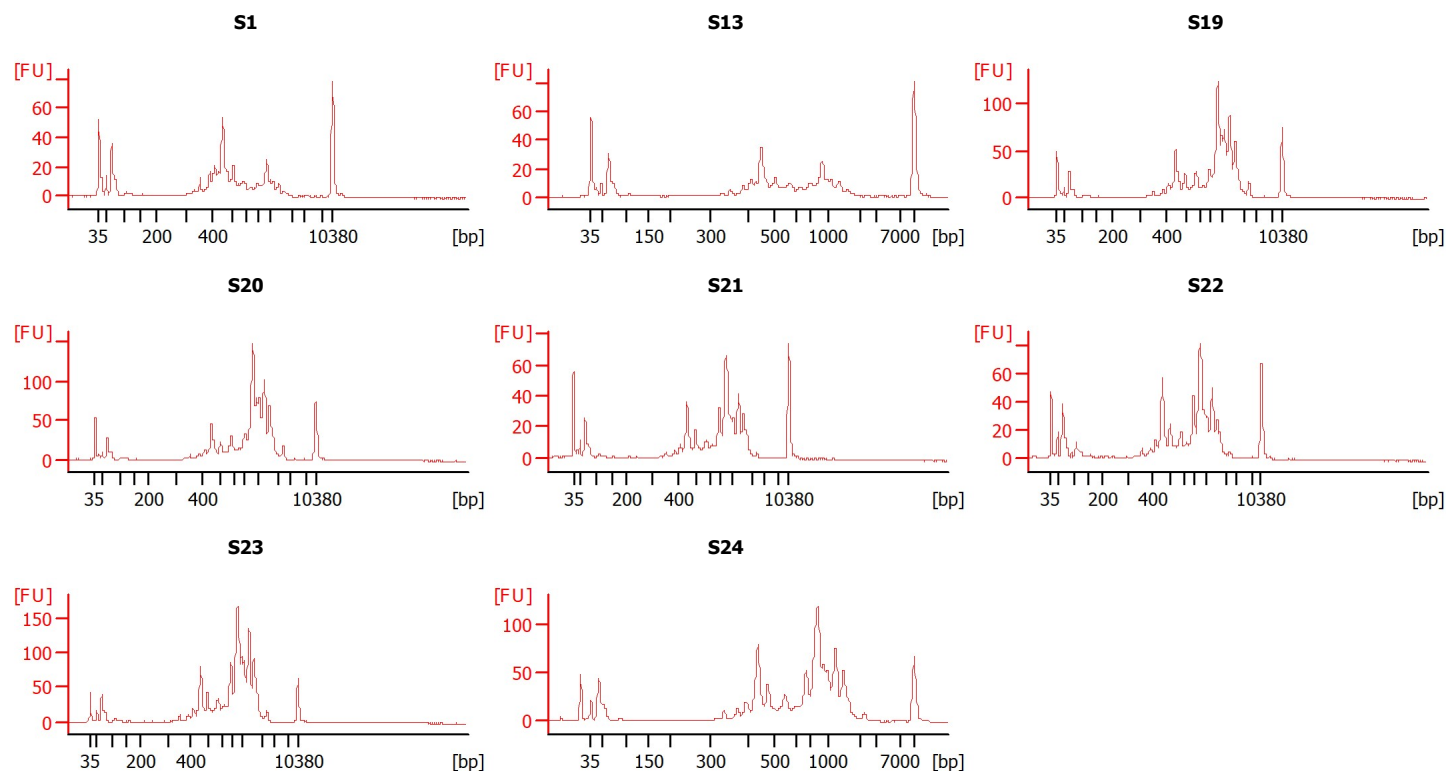
Assay Comments: Copyright © 2003-2010 Agilent Technologies

Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: High Sensitivity DNA Assay
Data Path: C:\...yzer\2100 expert\data\2025-10-17\10XSC0438 Batch-1 cDNA.xad

Created: 10/17/2025 9:31:53 AM
Modified: 10/17/2025 10:32:04 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:\...yzer\2100 expert\data\2025-10-17\10XSC0438 Batch-1 cDNA.xad

Created: 10/17/2025 9:31:53 AM
Modified: 10/17/2025 10:32:04 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

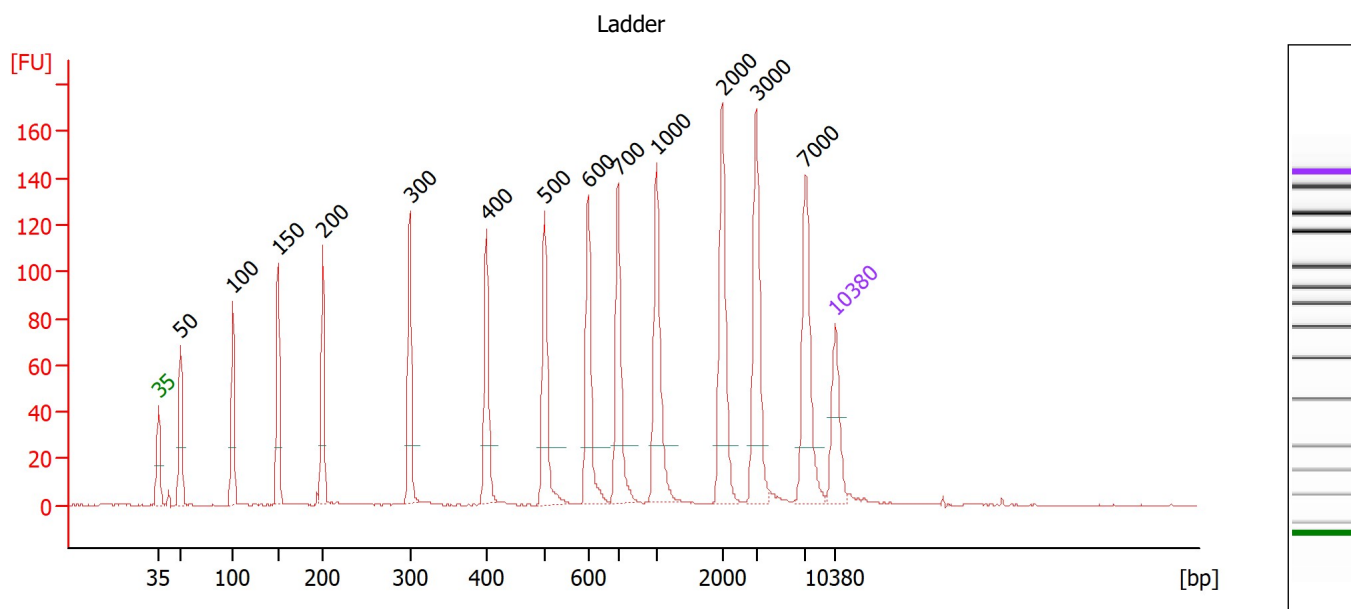
Ladder

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:\...yzer\2100 expert\data\2025-10-17\10XSC0438 Batch-1 cDNA.xad

Created: 10/17/2025 9:31:53 AM
 Modified: 10/17/2025 10:32:04 AM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

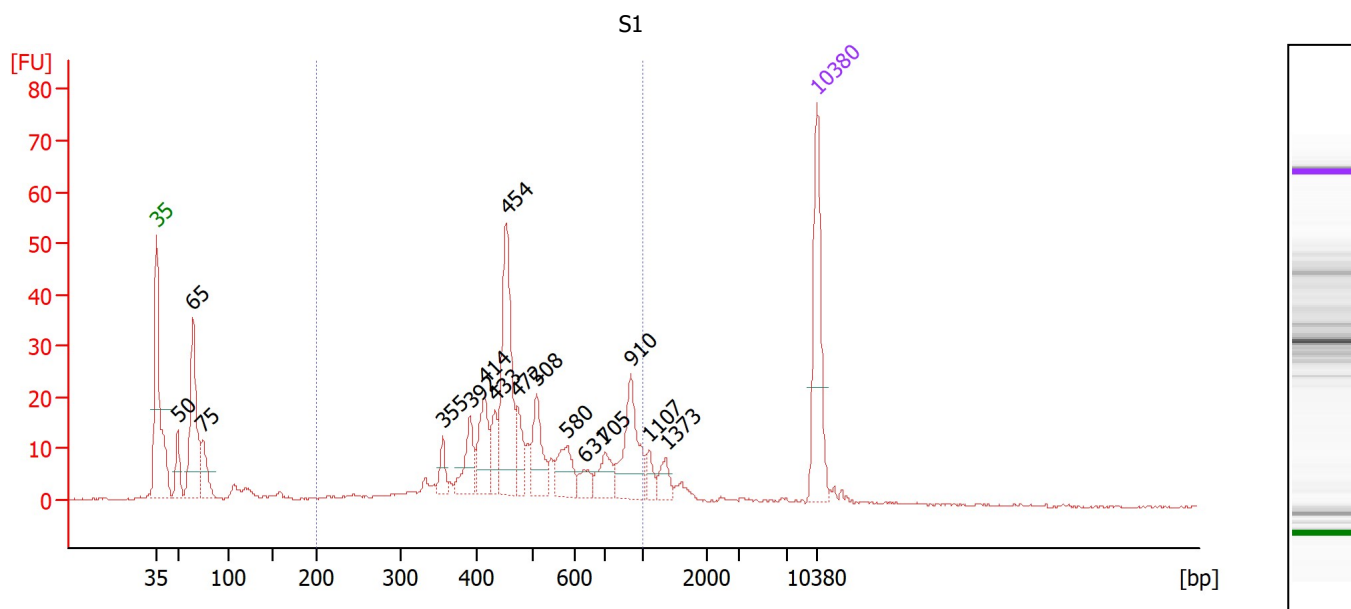
Peak table for Ladder

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:\...yzer\2100 expert\data\2025-10-17\10XSC0438 Batch-1 cDNA.xad

Created: 10/17/2025 9:31:53 AM
 Modified: 10/17/2025 10:32:04 AM

Electropherogram Summary Continued ...



Overall Results for sample 1 : S1

Number of peaks found: 16 Corr. Area 1: 349.6
 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	50	32.22	976.2	
3	65	133.51	3,104.1	
4	75	39.90	810.5	
5	355	15.67	66.9	
6	392	34.82	134.5	
7	414	45.90	167.9	
8	433	25.73	90.0	
9	454	122.32	408.6	
10	472	28.07	90.0	
11	508	42.67	127.2	
12	580	31.46	82.3	
13	631	13.35	32.1	
14	705	24.05	51.7	
15	910	58.85	98.0	
16	1,107	11.36	15.6	
17	1,373	12.95	14.3	
18	10,380	75.00	10.9	Upper Marker

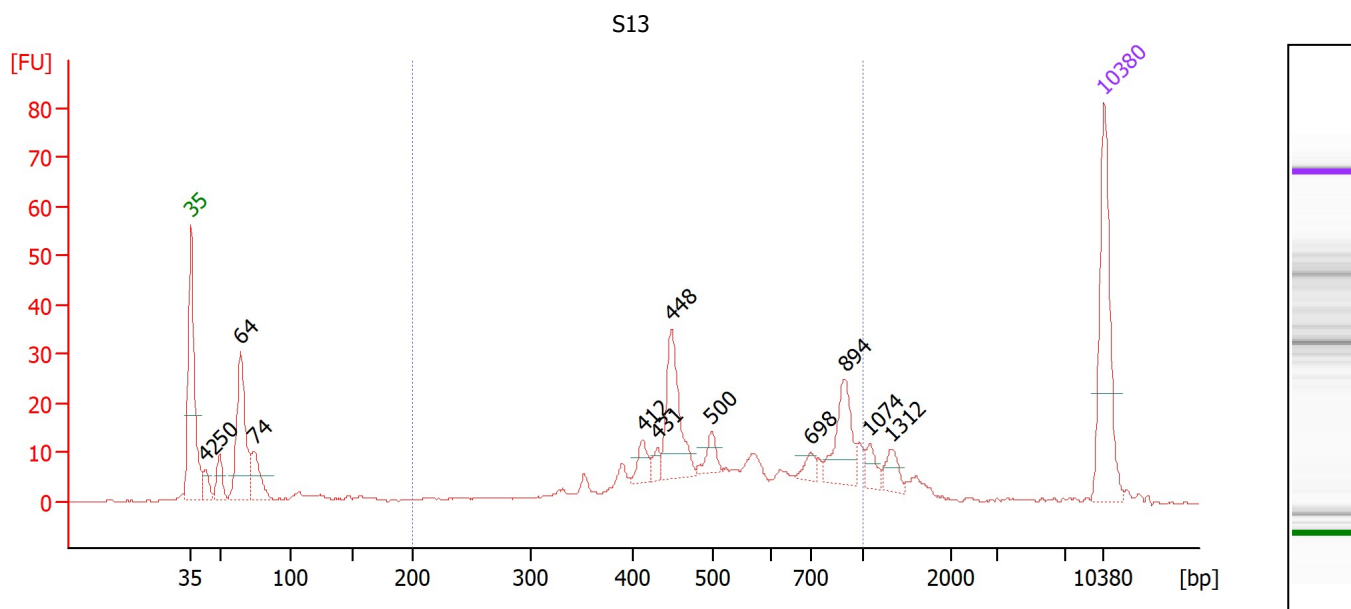
Region table for sample 1 : S1

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	349.6	68	530	33.0	566.25	1,838.8	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...yzer\2100 expert\data\2025-10-17\10XSC0438 Batch-1 cDNA.xad

Created: 10/17/2025 9:31:53 AM
 Modified: 10/17/2025 10:32:04 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 : S13

Number of peaks found: 12 Corr. Area 1: 259.2
 Noise: 0.2

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	42	16.04	575.0	
3	50	23.18	709.3	
4	64	111.11	2,620.1	
5	74	36.08	740.3	
6	412	16.03	59.0	
7	431	8.43	29.7	
8	448	69.68	235.6	
9	500	14.11	42.8	
10	698	9.28	20.2	
11	894	43.97	74.5	
12	1,074	11.34	16.0	
13	1,312	13.16	15.2	
14	10,380	75.00	10.9	
				Upper Marker

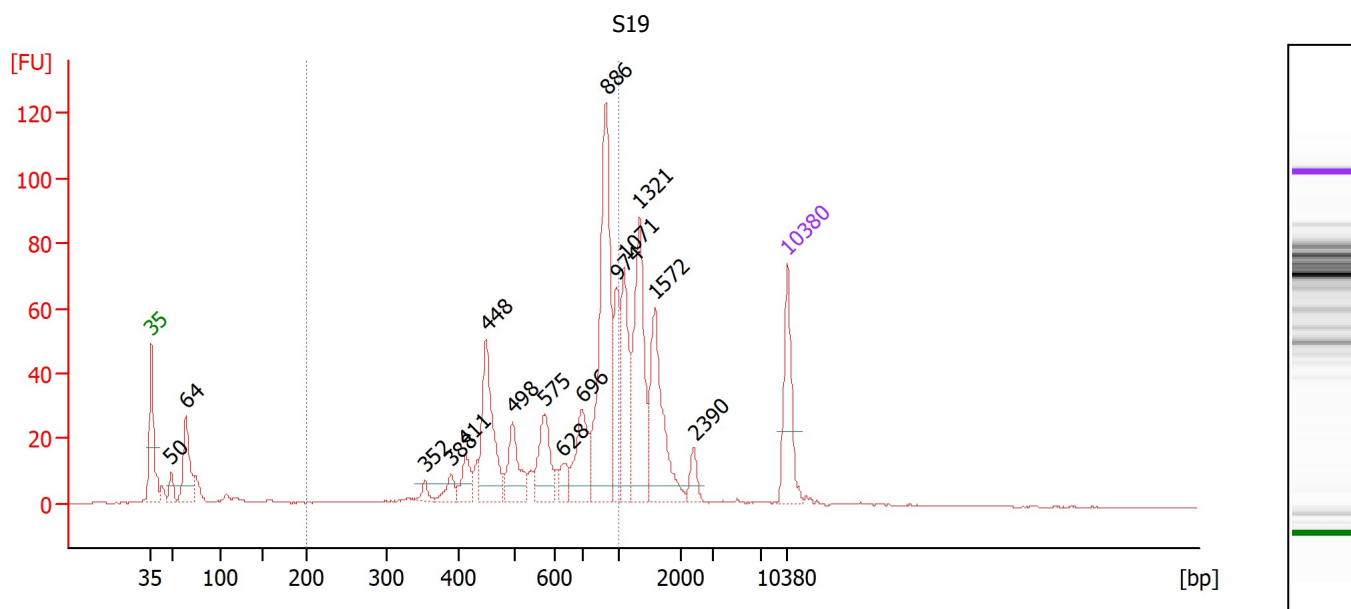
Region table for sample 2 : S13

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	259.2	62	569	33.8	413.52	1,285.4	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...yzer\2100 expert\data\2025-10-17\10XSC0438 Batch-1 cDNA.xad

Created: 10/17/2025 9:31:53 AM
 Modified: 10/17/2025 10:32:04 AM

Electropherogram Summary Continued ...



Overall Results for sample 3 : S19

Number of peaks found: 16 Corr. Area 1: 551.6
 Noise: 0.1

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	50	24.97	760.0	
3	64	109.68	2,583.3	
4	352	11.73	50.6	
5	388	20.39	79.7	
6	411	34.96	128.9	
7	448	140.53	475.1	
8	498	66.89	203.6	
9	575	72.06	189.9	
10	628	21.02	50.7	
11	696	77.28	168.2	
12	886	262.60	449.2	
13	974	70.98	110.4	
14	1,071	101.56	143.7	
15	1,321	153.60	176.1	
16	1,572	127.76	123.1	
17	2,390	17.96	11.4	
18	10,380	75.00	10.9	Upper Marker

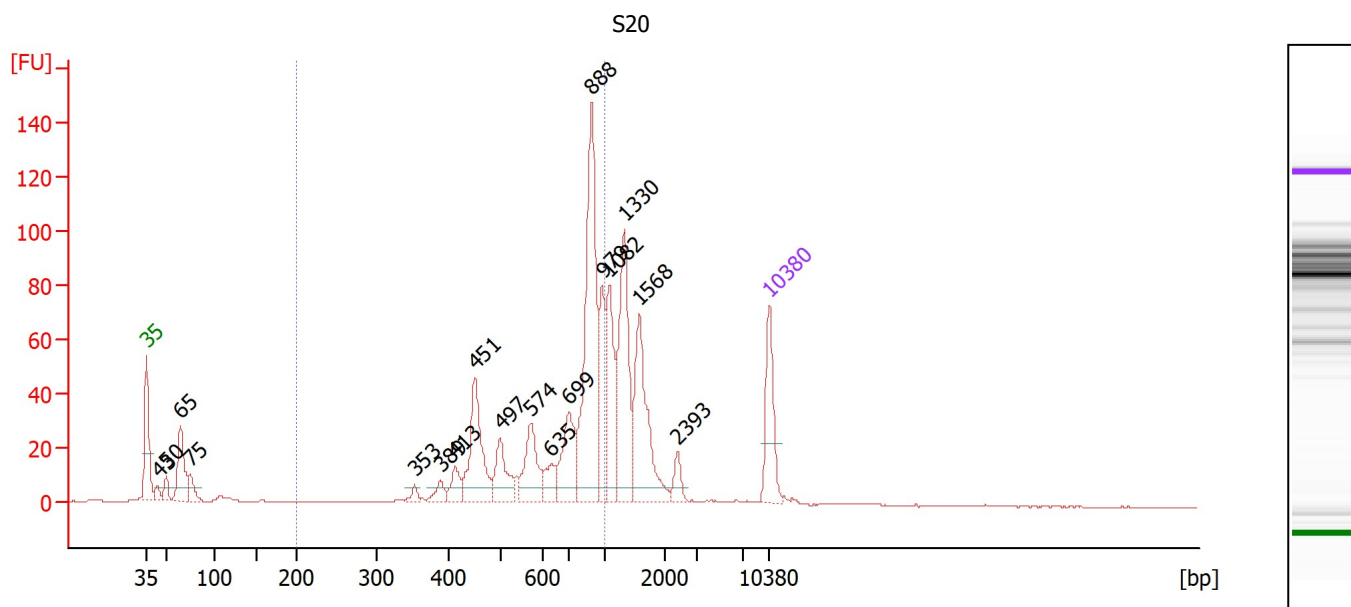
Region table for sample 3 : S19

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	551.6	56	679	30.6	890.35	2,328.9	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...yzer\2100 expert\data\2025-10-17\10XSC0438 Batch-1 cDNA.xad

Created: 10/17/2025 9:31:53 AM
 Modified: 10/17/2025 10:32:04 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : S20

Number of peaks found: 18 Corr. Area 1: 584.0
 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	43	17.17	600.1	
3	50	23.64	720.7	
4	65	111.67	2,620.8	
5	75	35.90	729.7	
6	353	10.83	46.5	
7	389	18.58	72.5	
8	413	30.51	111.9	
9	451	136.66	459.3	
10	497	64.37	196.4	
11	574	80.26	212.0	
12	635	30.27	72.2	
13	699	89.51	194.0	
14	888	310.18	529.0	
15	979	83.66	129.5	
16	1,082	108.74	152.2	
17	1,330	170.30	194.0	
18	1,568	146.03	141.1	
19	2,393	19.07	12.1	
20	10,380	75.00	10.9	Upper Marker

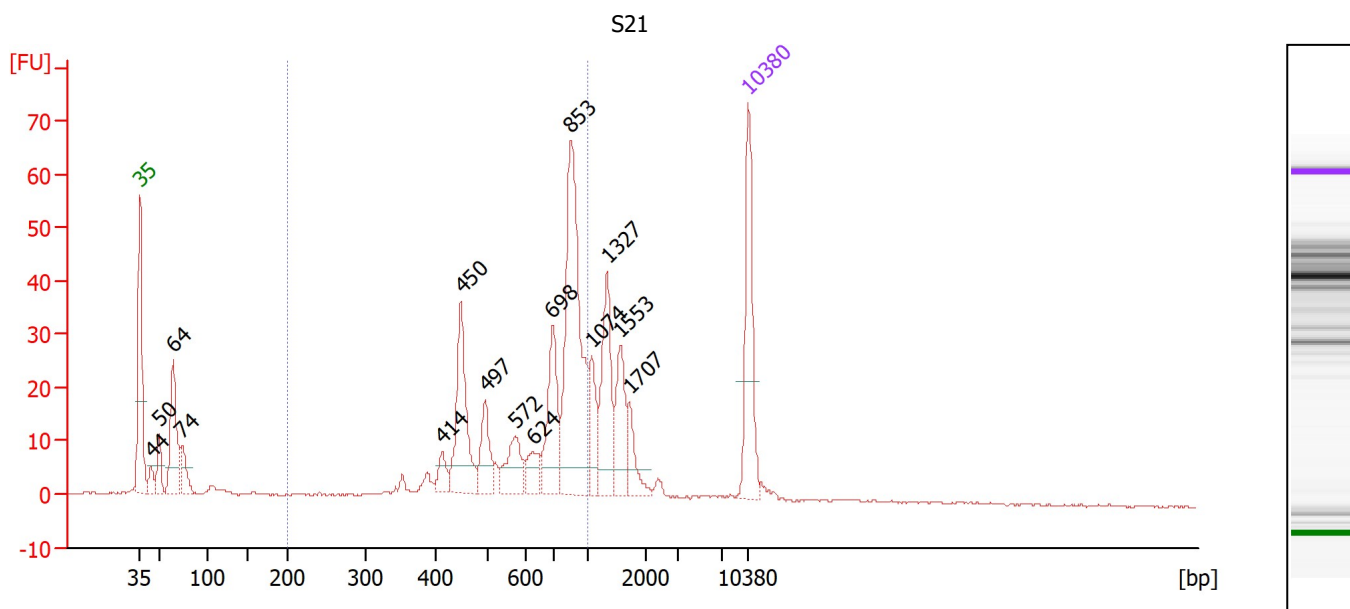
Region table for sample 4 : S20

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	584.0	55	705	28.6	910.81	2,252.0	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...yzer\2100 expert\data\2025-10-17\10XSC0438 Batch-1 cDNA.xad

Created: 10/17/2025 9:31:53 AM
 Modified: 10/17/2025 10:32:04 AM

Electropherogram Summary Continued ...



Overall Results for sample 5 : S21

Number of peaks found: 15 Corr. Area 1: 345.2
 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	44	17.13	596.0	
3	50	30.18	920.9	
4	64	100.99	2,381.1	
5	74	33.42	685.1	
6	414	17.15	62.7	
7	450	95.37	321.1	
8	497	39.65	120.9	
9	572	36.95	97.9	
10	624	19.52	47.4	
11	698	72.12	156.6	
12	853	204.11	362.7	
13	1,074	33.40	47.1	
14	1,327	70.76	80.8	
15	1,553	44.73	43.6	
16	1,707	23.51	20.9	
17	10,380	75.00	10.9	Upper Marker

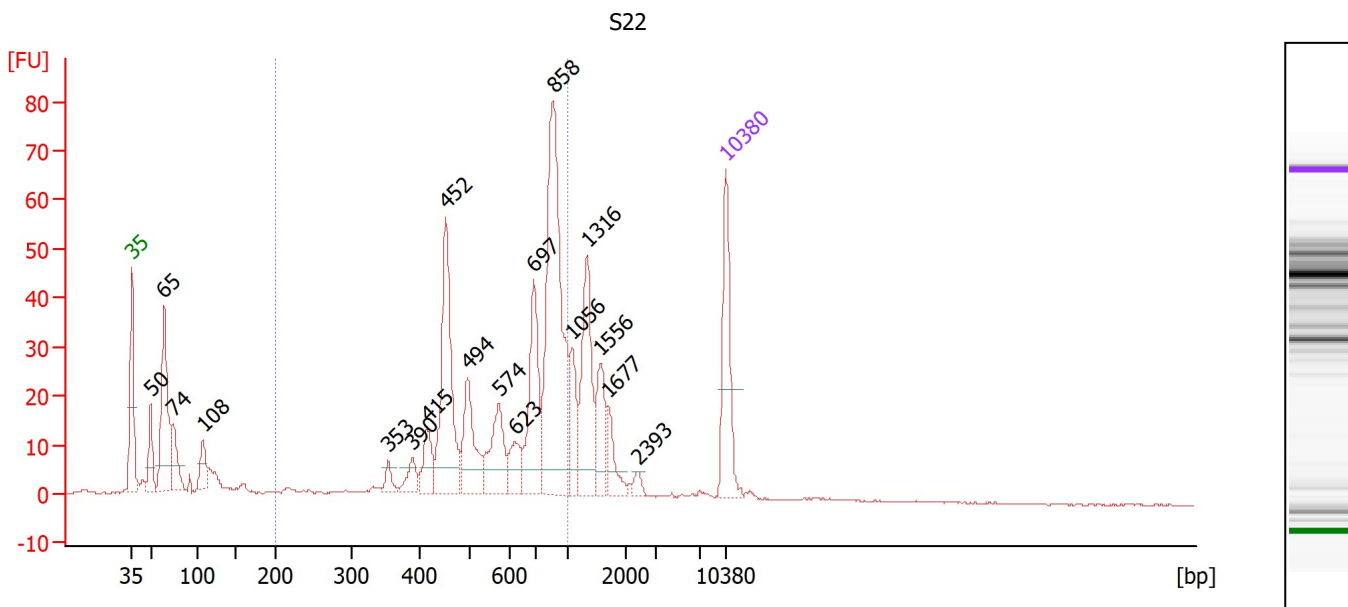
Region table for sample 5 : S21

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	345.2	58	674	28.9	561.68	1,451.1	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...yzer\2100 expert\data\2025-10-17\10XSC0438 Batch-1 cDNA.xad

Created: 10/17/2025 9:31:53 AM
 Modified: 10/17/2025 10:32:04 AM

Electropherogram Summary Continued ...



Overall Results for sample 6 : S22

Number of peaks found: 18 Corr. Area 1: 474.8
 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	50	49.22	1,491.5	
3	65	164.63	3,865.3	
4	74	51.72	1,053.1	
5	108	35.97	504.5	
6	353	13.14	56.3	
7	390	19.20	74.6	
8	415	35.42	129.4	
9	452	163.38	547.2	
10	494	72.35	221.8	
11	574	61.68	162.7	
12	623	28.34	68.9	
13	697	102.64	223.3	
14	858	268.43	474.0	
15	1,056	39.32	56.4	
16	1,316	93.94	108.2	
17	1,556	41.77	40.7	
18	1,677	24.60	22.2	
19	2,393	6.71	4.2	
20	10,380	75.00	10.9	Upper Marker

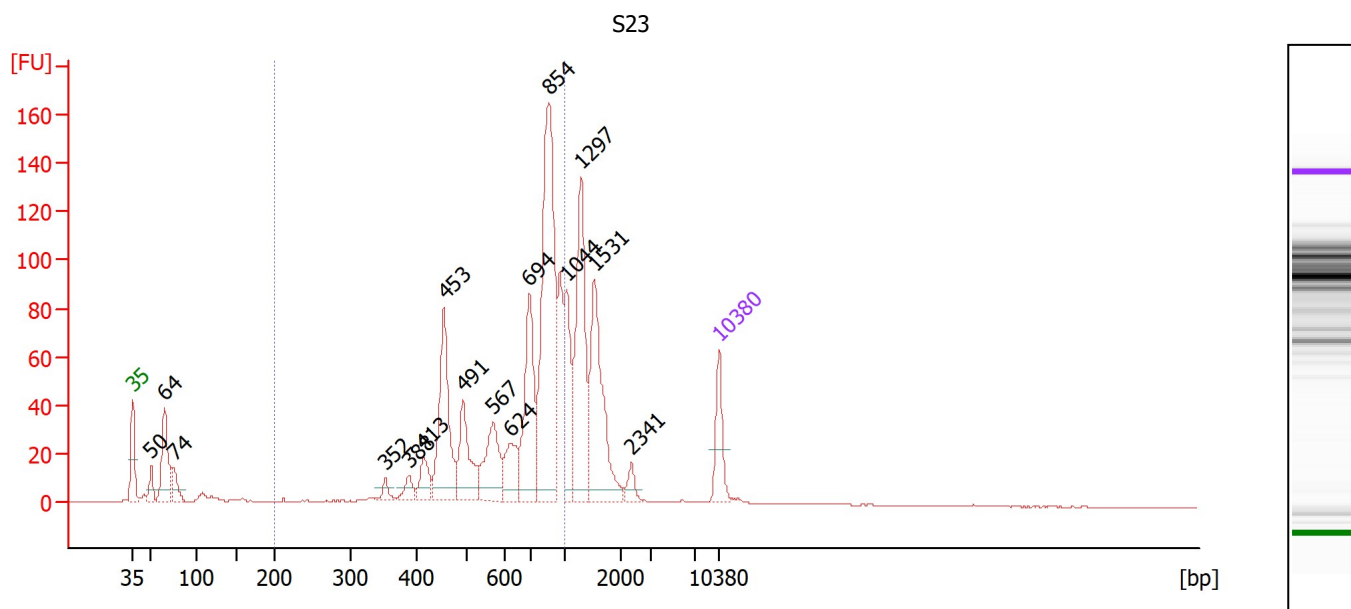
Region table for sample 6 : S22

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	474.8	60	653	30.1	822.48	2,214.3	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...yzer\2100 expert\data\2025-10-17\10XSC0438 Batch-1 cDNA.xad

Created: 10/17/2025 9:31:53 AM
 Modified: 10/17/2025 10:32:04 AM

Electropherogram Summary Continued ...



Overall Results for sample 7 : S23

Number of peaks found: 16 Corr. Area 1: 885.3
 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	50	49.27	1,500.2	
3	64	201.44	4,742.0	
4	74	63.64	1,296.7	
5	352	22.60	97.2	
6	388	32.61	127.2	
7	413	57.79	211.9	
8	453	279.71	934.9	
9	491	146.85	452.8	
10	567	140.47	375.2	
11	624	90.14	218.8	
12	694	246.68	538.5	
13	854	567.30	1,006.2	
14	1,044	149.96	217.7	
15	1,297	297.54	347.7	
16	1,531	261.03	258.4	
17	2,341	24.15	15.6	
18	10,380	75.00	10.9	Upper Marker

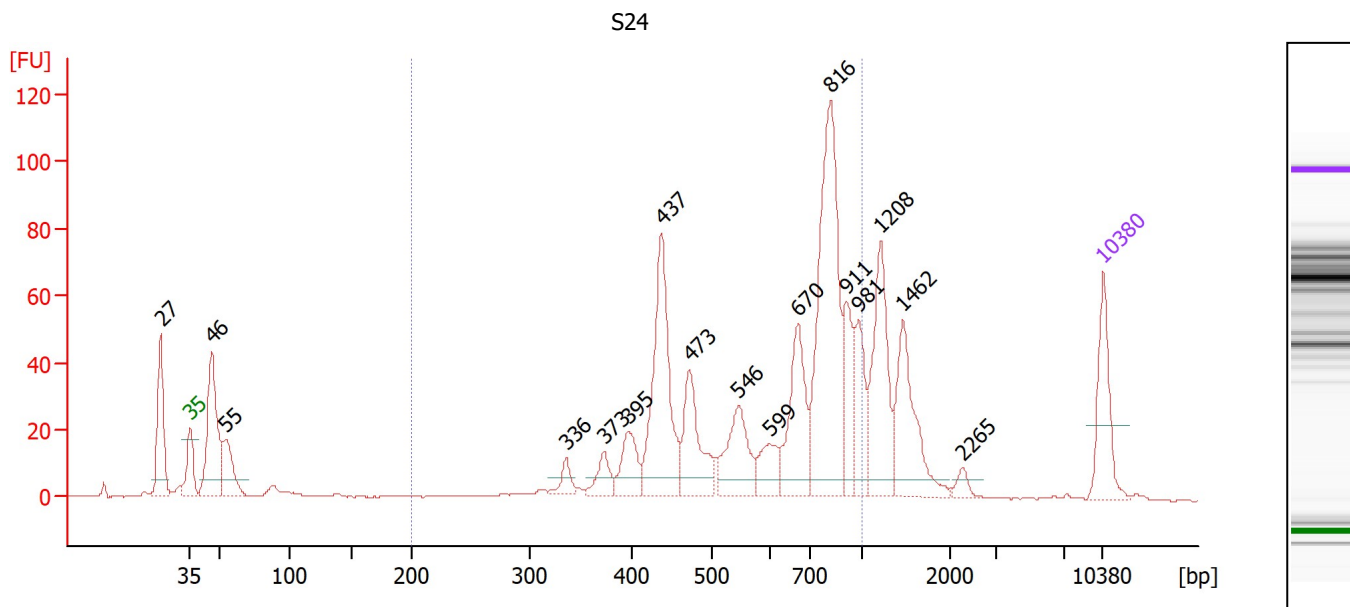
Region table for sample 7 : S23

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	885.3	60	685	27.8	1,836.91	4,628.9	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...zyer\2100 expert\data\2025-10-17\10XSC0438 Batch-1 cDNA.xad

Created: 10/17/2025 9:31:53 AM
 Modified: 10/17/2025 10:32:04 AM

Electropherogram Summary Continued ...



Overall Results for sample 8 : S24

Number of peaks found: 17 Corr. Area 1: 722.7
 Noise: 0.2

Peak table for sample 8 : S24

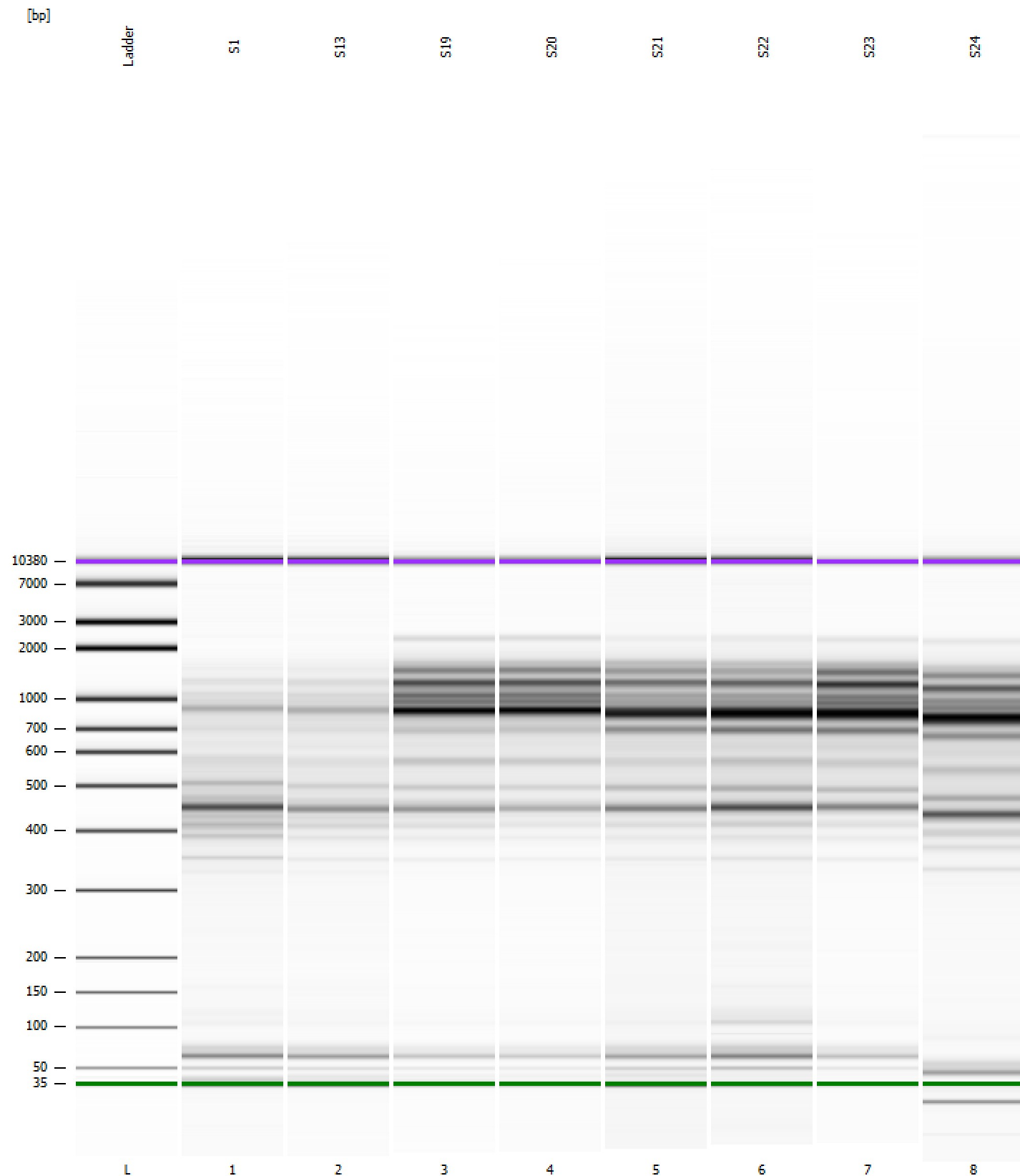
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	27	0.00	0.0	
2	35	125.00	5,411.3	Lower Marker
3	46	199.49	6,569.2	
4	55	78.36	2,163.5	
5	336	24.08	108.7	
6	373	34.39	139.9	
7	395	59.67	228.8	
8	437	235.43	816.9	
9	473	112.12	359.1	
10	546	98.24	272.4	
11	599	45.40	114.8	
12	670	128.28	290.1	
13	816	341.35	634.1	
14	911	75.97	126.4	
15	981	73.46	113.4	
16	1,208	142.34	178.5	
17	1,462	120.98	125.3	
18	2,265	11.23	7.5	
19	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	722.7	63	638	30.5	1,314.41	3,611.2	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...yzer\2100 expert\data\2025-10-17\10XSC0438 Batch-1 cDNA.xad

Created: 10/17/2025 9:31:53 AM
Modified: 10/17/2025 10:32:04 AM

Gel Image

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...yzer\2100 expert\data\2025-10-17\10XSC0438 Batch-1 cDNA.xad

Created: 10/17/2025 9:31:53 AM
 Modified: 10/17/2025 10:32:04 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		10/17/2025 10:13:14 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\2025-10-17\Bioanalyzer1_High Sensitivity DNA Assay_DE34903152_2025-10-17_001.xad)		Instrument	Run		10/17/2025 9:31:59 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		10/17/2025 9:31:59 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		10/17/2025 9:31:59 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		10/17/2025 9:31:59 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		10/17/2025 9:31:59 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		10/17/2025 9:31:59 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		10/17/2025 9:31:59 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB