

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2025-10-22\10XSC0443 cDNA.xad

Created: 10/22/2025 9:40:29 AM
Modified: 10/22/2025 10:29:52 AM

Electrophoresis File Run Summary

Instrument Information:

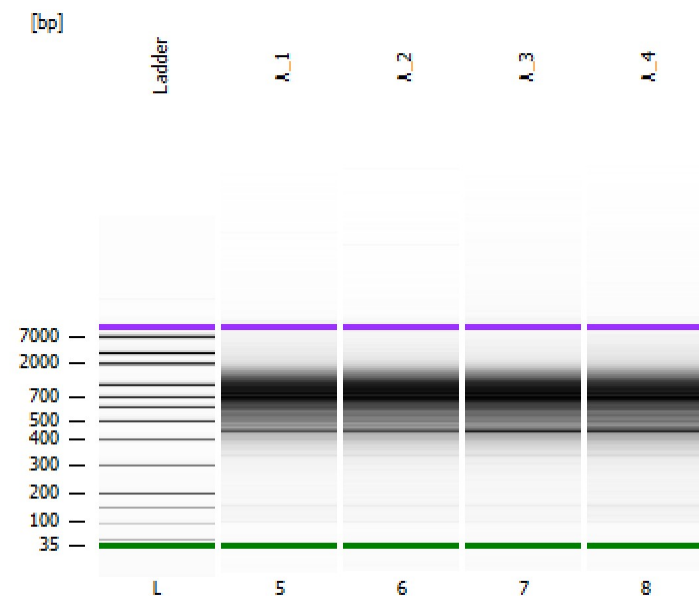
Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

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:

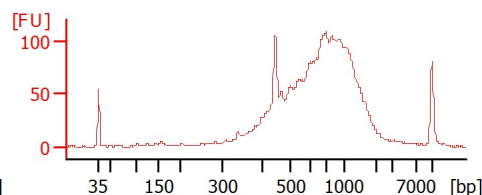
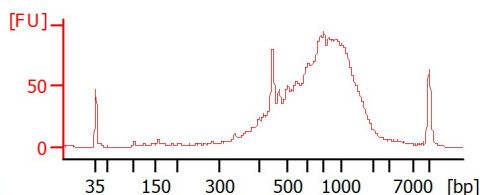
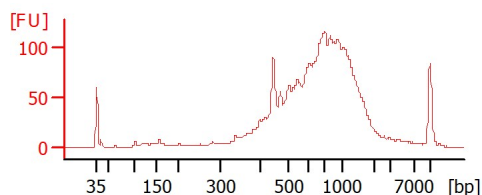
Chip Lot #:
Reagent Kit Lot #:
Chip Comments:



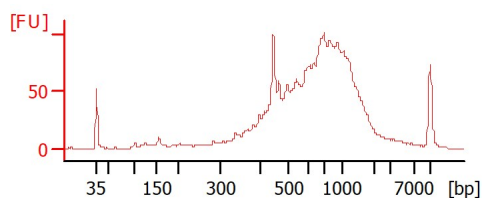
A_1

A_2

A_3



A_4



Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2025-10-22\10XSC0443 cDNA.xad

Created: 10/22/2025 9:40:29 AM
Modified: 10/22/2025 10:29:52 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
A_1		☐	✓			
A_2		☐	✓			
A_3		☐	✓			
A_4		☐	✓			
Ladder		☐	✓			

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

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2025-10-22\10XSC0443 cDNA.xad

Created: 10/22/2025 9:40:29 AM
Modified: 10/22/2025 10:29:52 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/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

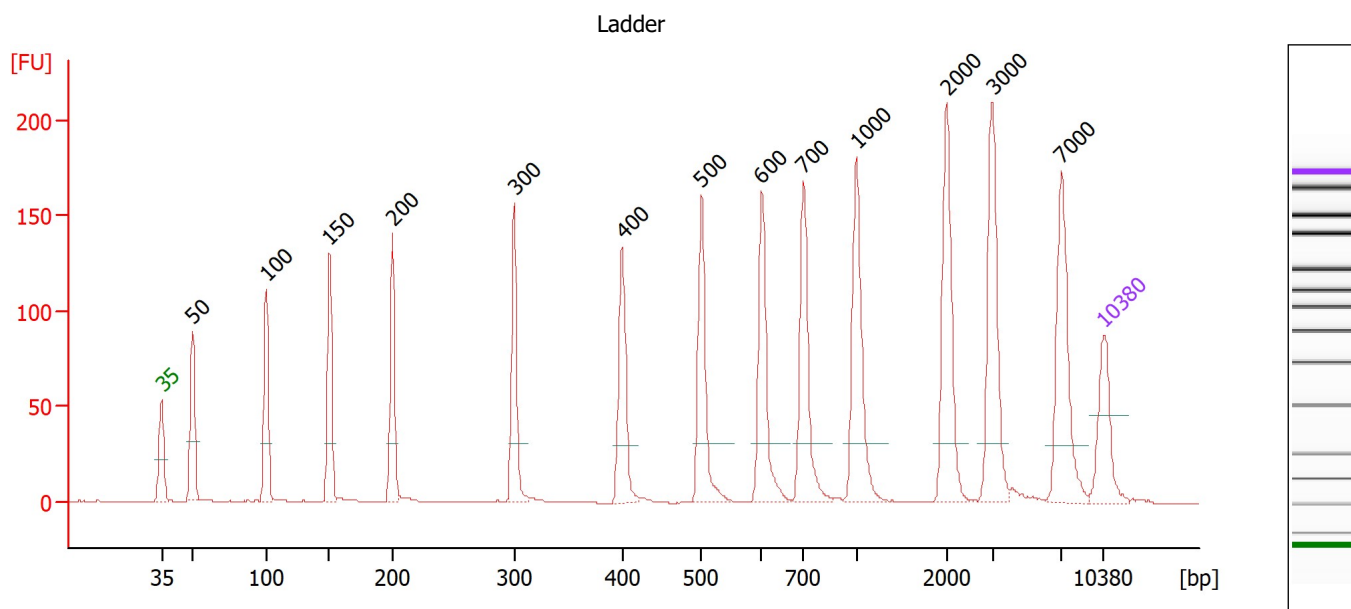
Ladder

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:\... bioanalyzer\2100 expert\data\2025-10-22\10XSC0443 cDNA.xad

Created: 10/22/2025 9:40:29 AM
Modified: 10/22/2025 10:29:52 AM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

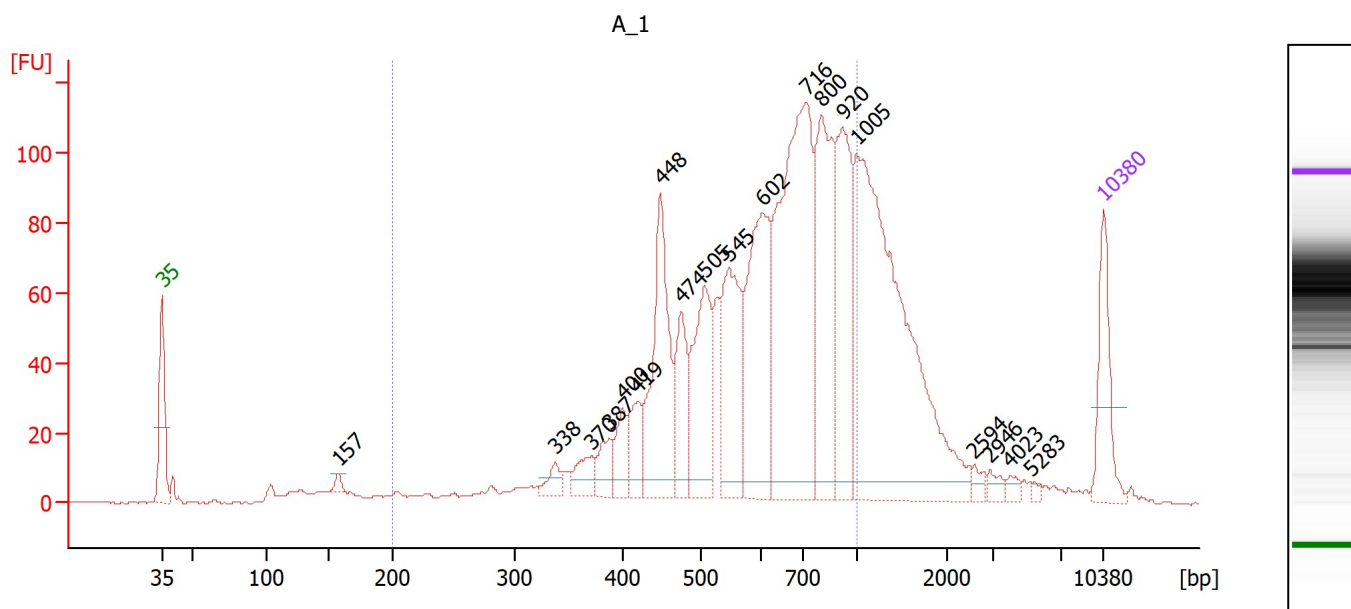
Peak table for Ladder

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:\... bioanalyzer\2100 expert\data\2025-10-22\10XSC0443 cDNA.xad

Created: 10/22/2025 9:40:29 AM
 Modified: 10/22/2025 10:29:52 AM

Electropherogram Summary Continued ...



Overall Results for sample 5 : A_1

Number of peaks found: 19 Corr. Area 1: 1,526.4
 Noise: 0.3

Peak table for sample 5 : A_1

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	157	10.48	101.3	
3	338	23.41	104.9	
4	370	37.02	151.5	
5	387	36.85	144.1	
6	400	46.83	177.4	
7	419	52.67	190.3	
8	448	216.85	733.6	
9	474	95.29	304.4	
10	505	159.91	479.8	
11	545	172.76	480.2	
12	602	240.96	606.8	
13	716	482.89	1,021.2	
14	800	239.17	453.2	
15	920	185.37	305.4	
16	1,005	565.99	852.9	
17	2,594	10.28	6.0	
18	2,946	10.85	5.6	
19	4,023	8.02	3.0	
20	5,283	4.24	1.2	
21	10,380	75.00	10.9	Upper Marker

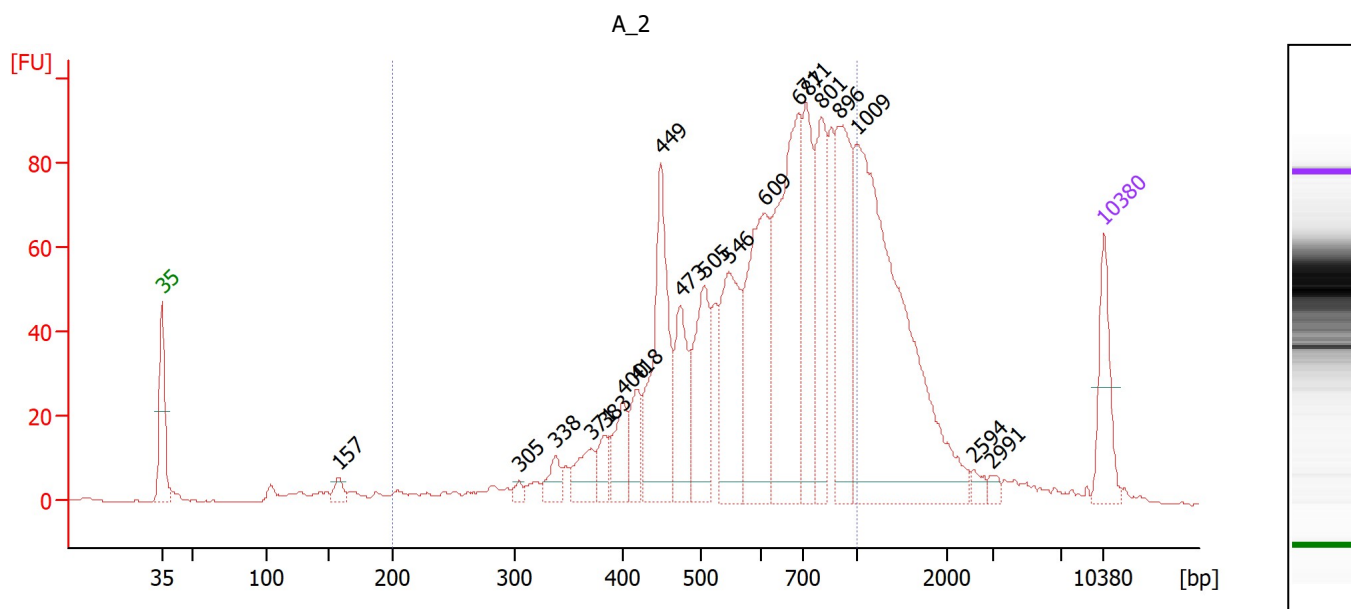
Region table for sample 5 : A_1

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	1,526.4	73	625	28.1	2,241.89	6,156.9	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2025-10-22\10XSC0443 cDNA.xad

Created: 10/22/2025 9:40:29 AM
 Modified: 10/22/2025 10:29:52 AM

Electropherogram Summary Continued ...



Overall Results for sample 6 : A_2

Number of peaks found: 19 Corr. Area 1: 1,279.8
 Noise: 0.3

Peak table for sample 6 : A_2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	157	21.57	208.1	
3	305	11.82	58.8	
4	338	33.88	151.7	
5	371	55.70	227.4	
6	383	37.61	148.6	
7	400	67.59	255.9	
8	418	57.31	207.7	
9	449	254.43	858.0	
10	473	119.24	381.7	
11	505	159.14	477.8	
12	546	193.78	538.0	
13	609	263.37	655.8	
14	687	358.04	789.7	
15	711	190.54	406.0	
16	801	156.72	296.4	
17	896	206.37	349.1	
18	1,009	625.28	938.9	
19	2,594	11.94	7.0	
20	2,991	8.96	4.5	
21	10,380	75.00	10.9	Upper Marker

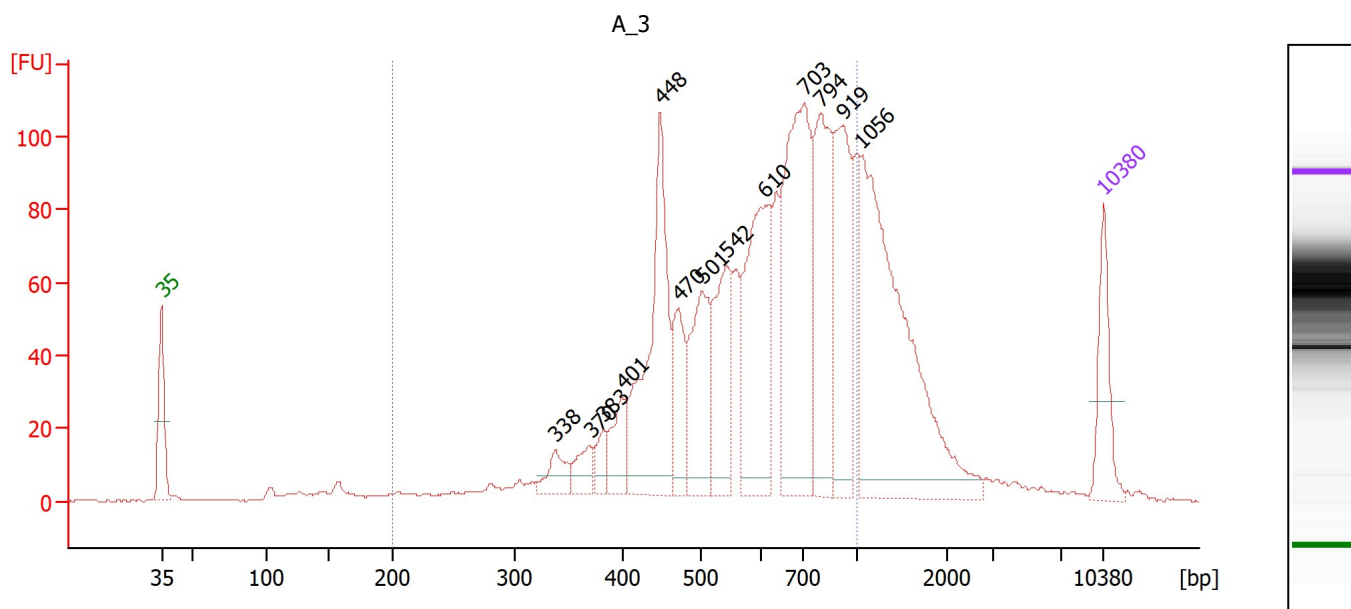
Region table for sample 6 : A_2

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	1,279.8	75	623	28.5	2,482.72	6,855.2	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2025-10-22\10XSC0443 cDNA.xad

Created: 10/22/2025 9:40:29 AM
 Modified: 10/22/2025 10:29:52 AM

Electropherogram Summary Continued ...



Overall Results for sample 7 : A_3

Number of peaks found: 13 Corr. Area 1: 1,545.2
 Noise: 0.2

Peak table for sample 7 : A_3

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	338	45.93	206.0	
3	370	39.77	162.7	
4	383	29.07	115.1	
5	401	63.86	241.5	
6	448	334.13	1,129.6	
7	470	98.58	317.5	
8	501	168.60	509.6	
9	542	157.73	441.3	
10	610	267.32	664.3	
11	703	406.54	876.6	
12	794	241.95	461.8	
13	919	210.19	346.7	
14	1,056	507.00	727.4	
15	10,380	75.00	10.9	Upper Marker

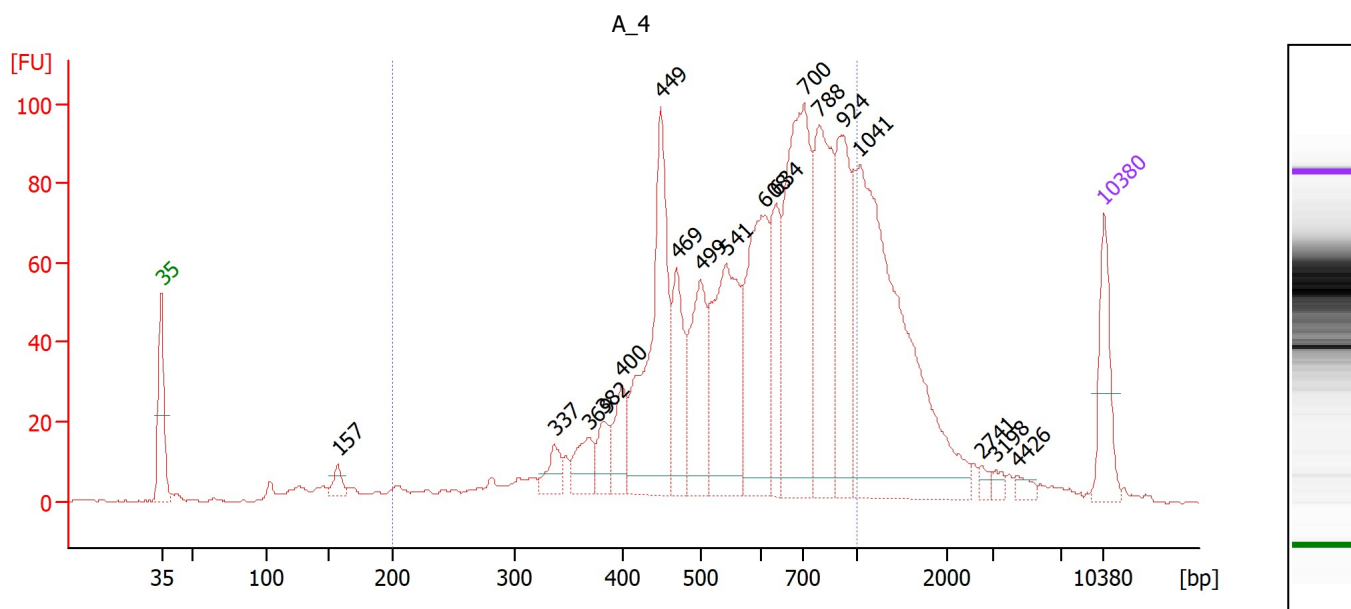
Region table for sample 7 : A_3

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	1,545.2	76	618	28.6	2,477.44	6,892.1	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2025-10-22\10XSC0443 cDNA.xad

Created: 10/22/2025 9:40:29 AM
 Modified: 10/22/2025 10:29:52 AM

Electropherogram Summary Continued ...



Overall Results for sample 8 : A_4

Number of peaks found: 18 Corr. Area 1: 1,426.3
 Noise: 0.3

Peak table for sample 8 : A_4

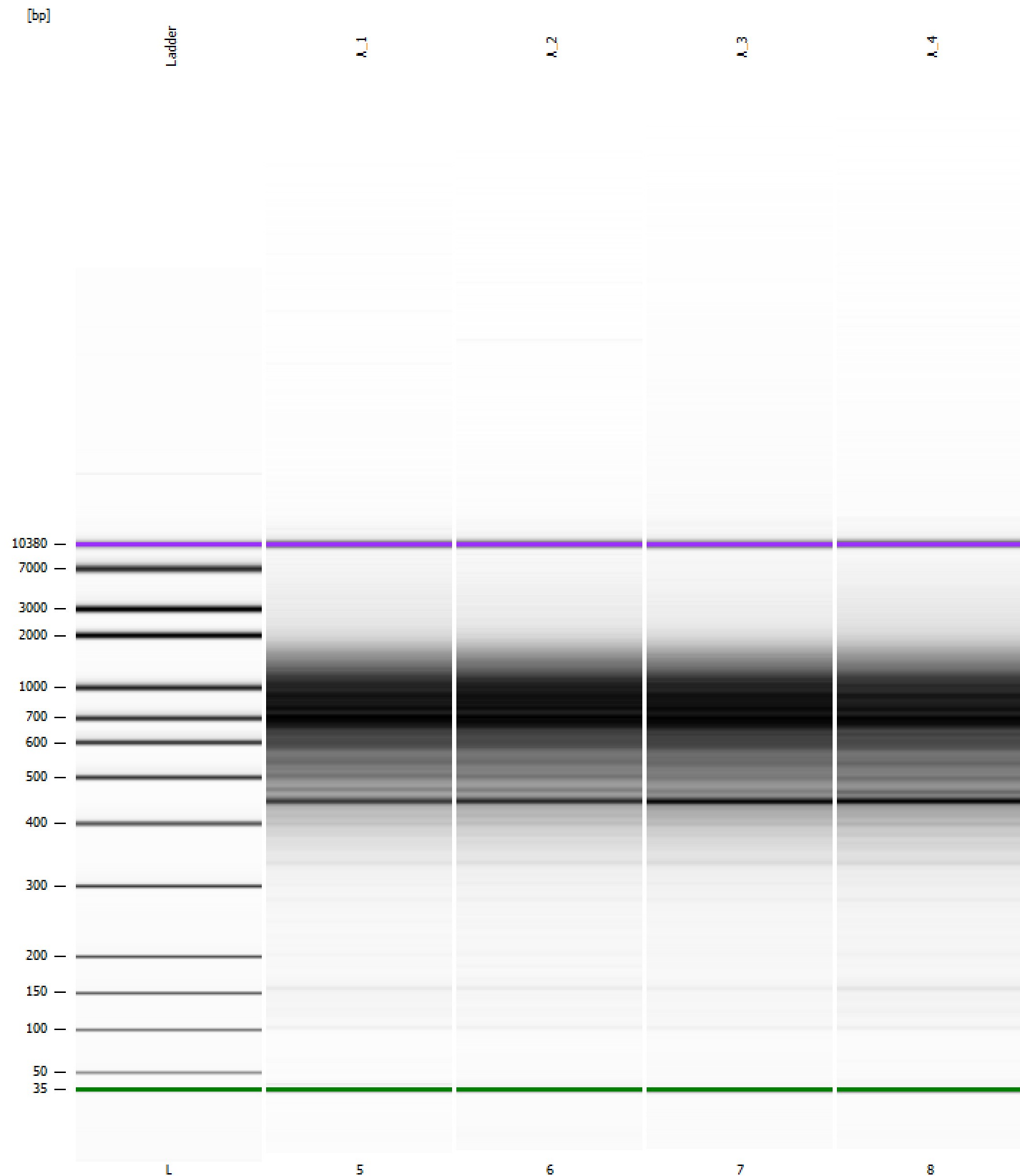
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	157	24.42	236.2	
3	337	35.86	161.3	
4	369	54.11	222.1	
5	382	41.83	165.8	
6	400	65.56	248.6	
7	449	337.64	1,140.3	
8	469	112.98	365.0	
9	499	158.30	480.7	
10	541	257.94	722.8	
11	608	245.86	613.0	
12	634	107.07	256.0	
13	700	382.45	827.3	
14	788	246.53	474.1	
15	924	187.43	307.4	
16	1,041	568.21	827.0	
17	2,741	8.02	4.4	
18	3,198	9.22	4.4	
19	4,426	10.13	3.5	
20	10,380	75.00	10.9	Upper Marker

Region table for sample 8 : A_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	1,426.3	75	609	29.5	2,517.13	7,168.7	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2025-10-22\10XSC0443 cDNA.xad

Created: 10/22/2025 9:40:29 AM
Modified: 10/22/2025 10:29:52 AM

Gel Image

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2025-10-22\10XSC0443 cDNA.xad

Created: 10/22/2025 9:40:29 AM
 Modified: 10/22/2025 10:29:52 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		10/22/2025 10:21:54 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\2025-10-22\Bioanalyzer1_High Sensitivity DNA Assay_DE34903152_2025-10-22_001.xad)		Instrument	Run		10/22/2025 9:40:41 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		10/22/2025 9:40:41 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		10/22/2025 9:40:41 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		10/22/2025 9:40:41 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		10/22/2025 9:40:41 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		10/22/2025 9:40:41 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		10/22/2025 9:40:41 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB