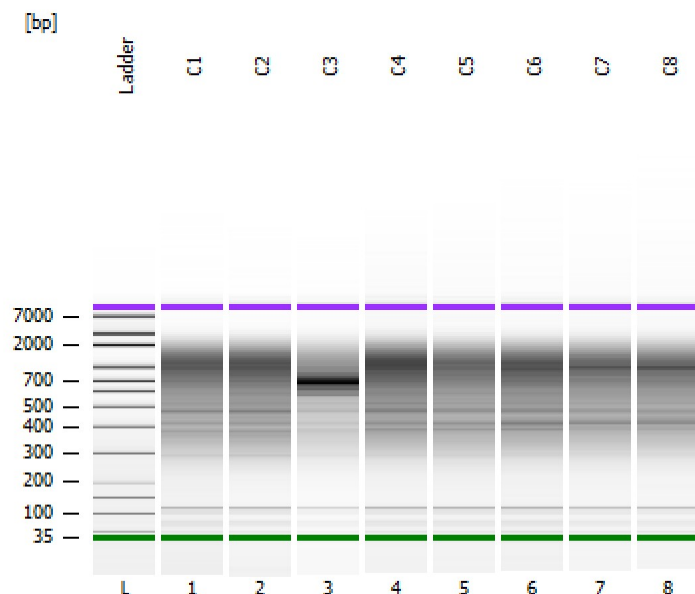


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...bioanalyzer\2100 expert\data\2025-05-19\Custom0104_cDNA.xad

Created: 5/19/2025 2:36:37 PM
Modified: 5/19/2025 3:38:21 PM

Electrophoresis File Run Summary



Instrument Information:

Instrument Name: DE34903152
Serial#: DE34903152

Firmware: C.01.069
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

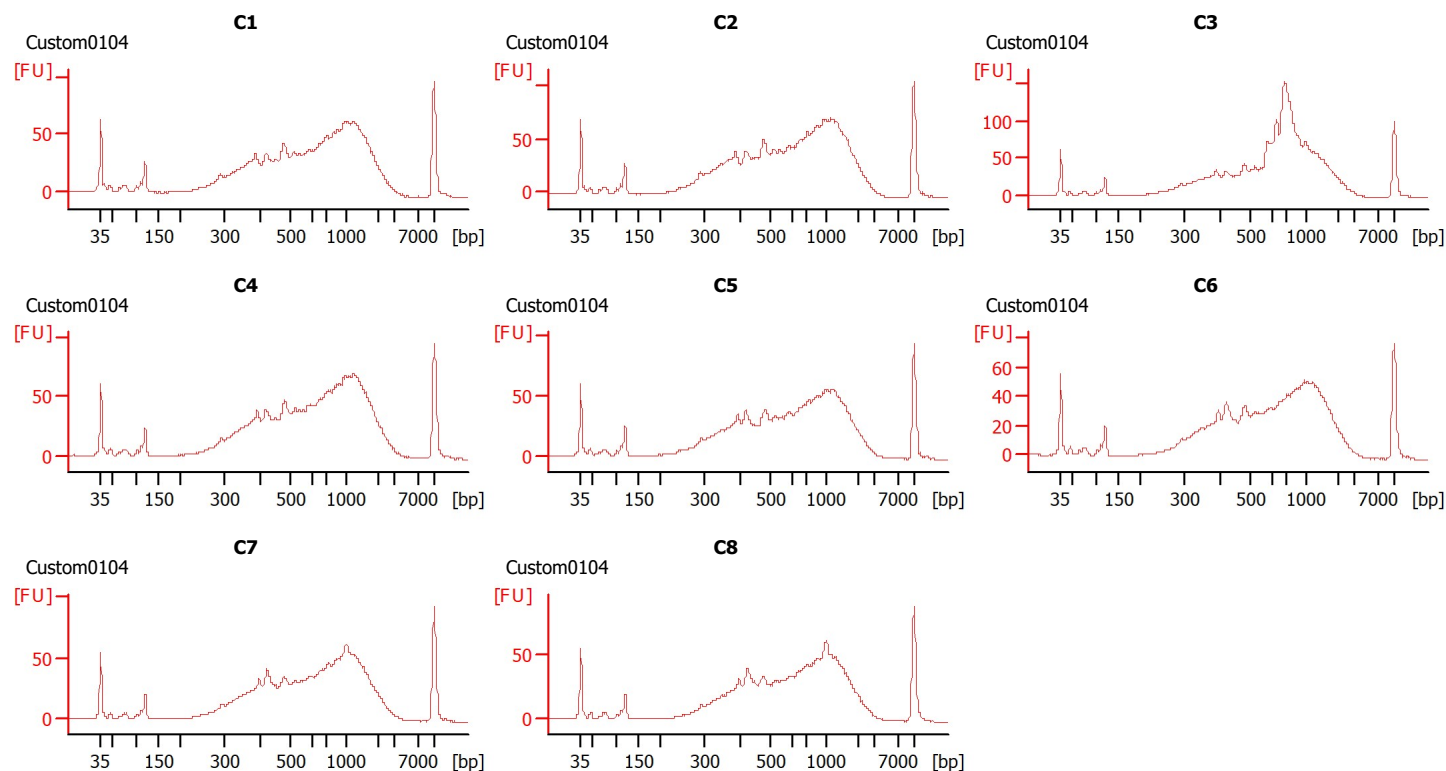
Assay Comments: Copyright © 2003-2010 Agilent Technologies

Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: High Sensitivity DNA Assay
Data Path: C:\...bioanalyzer\2100 expert\data\2025-05-19\Custom0104_cDNA.xad

Created: 5/19/2025 2:36:37 PM
Modified: 5/19/2025 3:38:21 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Statu s	Observation	Result Label	Result Color
C1	Custom0104	☐	✓			
C2	Custom0104	☐	✓			
C3	Custom0104	☐	✓			
C4	Custom0104	☐	✓			
C5	Custom0104	☐	✓			
C6	Custom0104	☐	✓			
C7	Custom0104	☐	✓			
C8	Custom0104	☐	✓			
Ladder		☐	✓			

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

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...bioanalyzer\2100 expert\data\2025-05-19\Custom0104_cDNA.xad

Created: 5/19/2025 2:36:37 PM
Modified: 5/19/2025 3:38:21 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

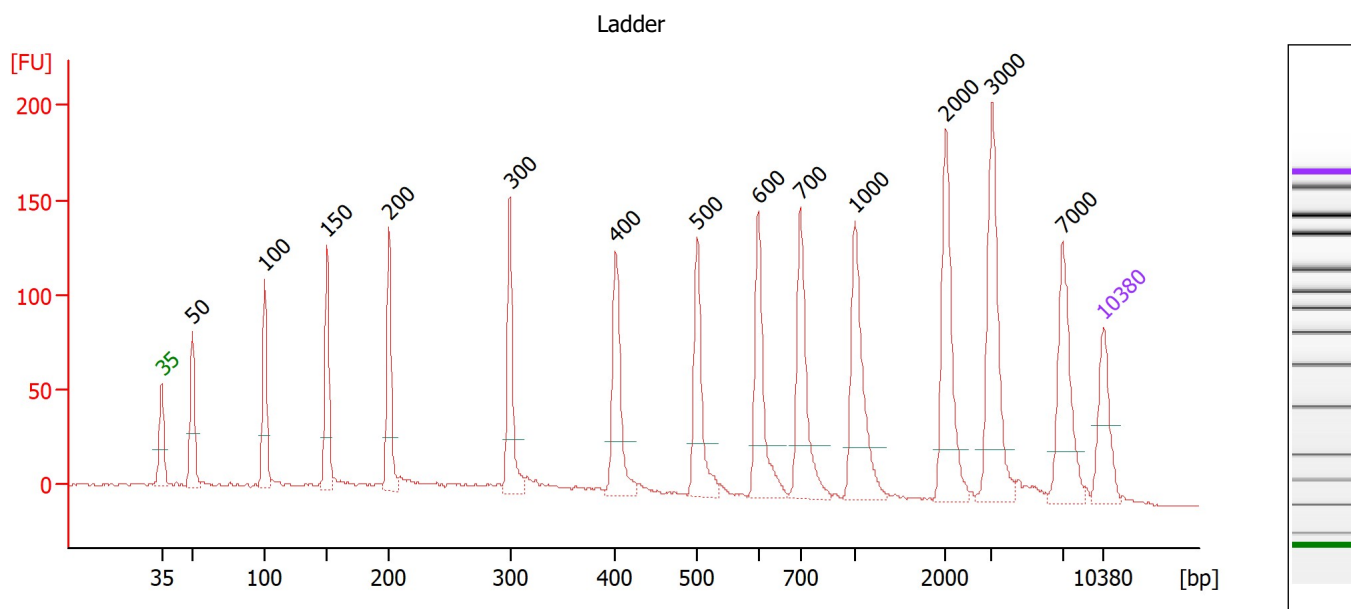
Ladder

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:\...bioanalyzer\2100 expert\data\2025-05-19\Custom0104_cDNA.xad

Created: 5/19/2025 2:36:37 PM
 Modified: 5/19/2025 3:38:21 PM

Electropherogram Summary



Overall Results for Ladder

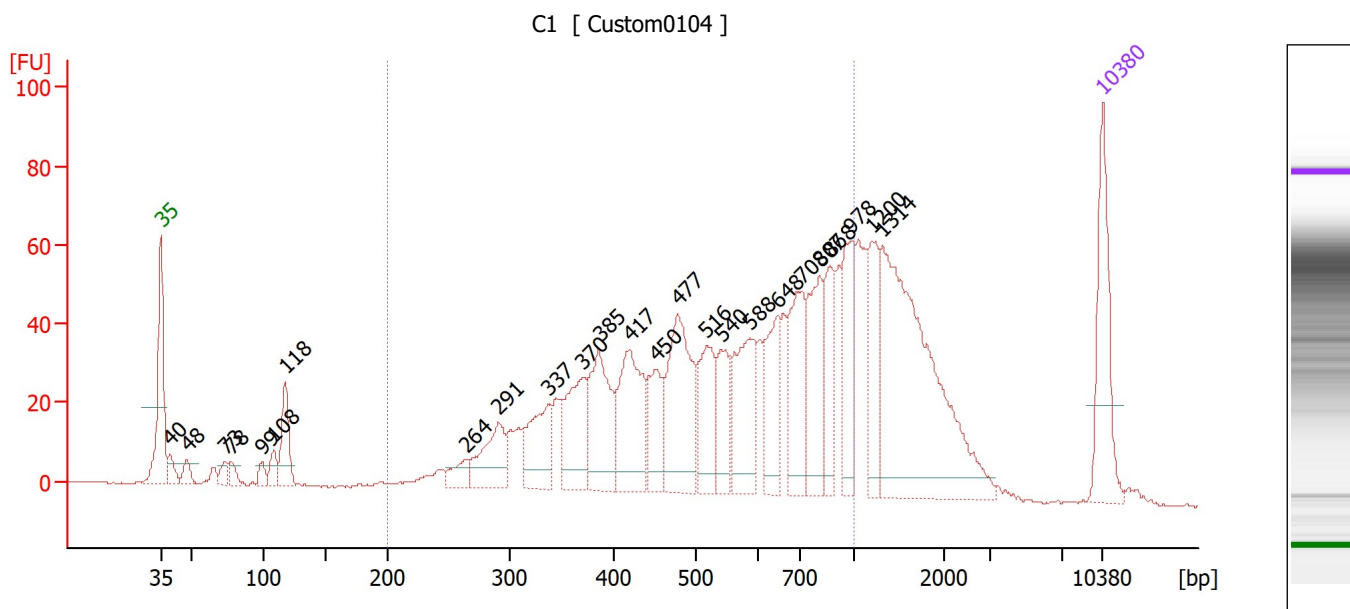
Noise: 0.3

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:\...bioanalyzer\2100 expert\data\2025-05-19\Custom0104_cDNA.xad

Created: 5/19/2025 2:36:37 PM
Modified: 5/19/2025 3:38:21 PM

Electropherogram Summary Continued ...**Overall Results for sample 1 : C1**

Number of peaks found: 25 Corr. Area 1: 1,167.4
Noise: 0.2

Peak table for sample 1 : C1

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	40	16.40	625.3	
3	48	15.97	505.9	
4	73	13.84	286.3	
5	78	12.22	238.8	
6	99	11.68	178.6	
7	108	17.14	239.9	
8	118	54.79	705.9	
9	264	19.97	114.7	
10	291	63.82	332.0	
11	337	68.79	309.3	
12	370	78.93	323.5	
13	385	101.70	399.8	
14	417	111.45	404.5	
15	450	53.24	179.1	
16	477	135.20	429.9	
17	516	70.04	205.6	
18	540	50.10	140.5	
19	588	88.61	228.4	
20	648	62.42	145.9	
21	708	86.61	185.3	
22	807	80.73	151.5	
23	868	57.28	100.0	
24	978	70.21	108.8	
25	1,200	60.67	76.6	
26	1,314	279.46	322.2	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...bioanalyzer\2100 expert\data\2025-05-19\Custom0104_cDNA.xad

Created: 5/19/2025 2:36:37 PM
Modified: 5/19/2025 3:38:21 PM

Electropherogram Summary Continued ...**... Peak table for sample 1 : C1**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	10,380	75.00	10.9	Upper Marker

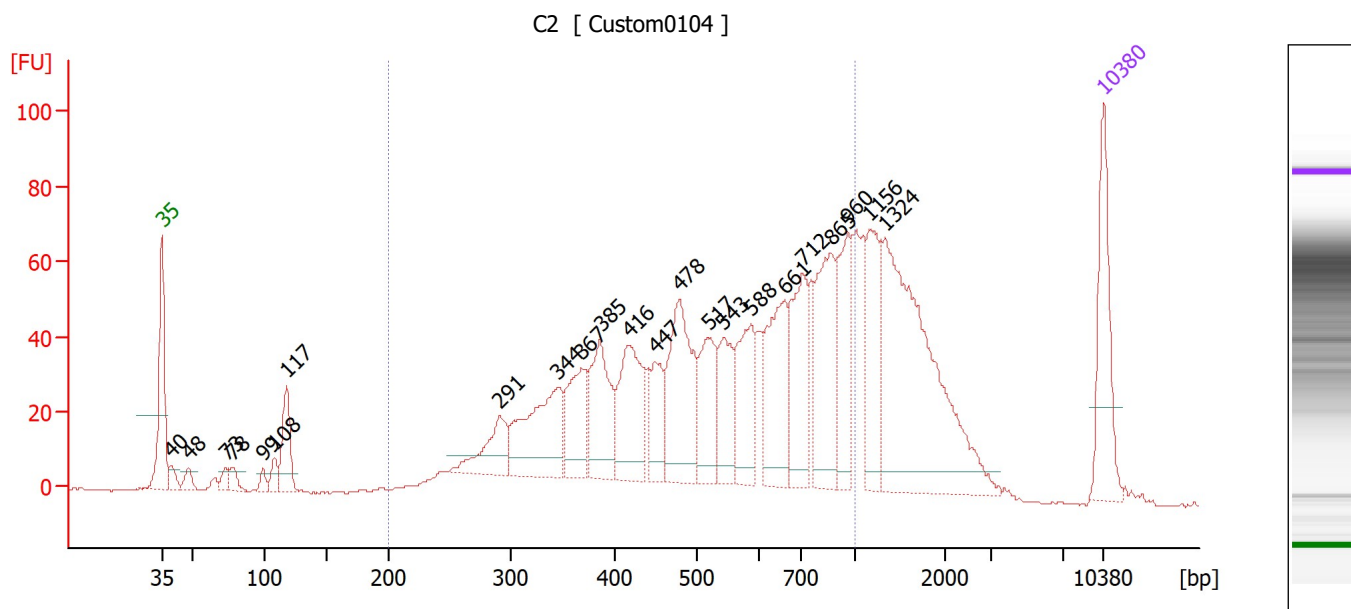
Region table for sample 1 : C1

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	1,167.4	70	564	35.1	1,397.42	4,508.3	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...bioanalyzer\2100 expert\data\2025-05-19\Custom0104_cDNA.xad

Created: 5/19/2025 2:36:37 PM
 Modified: 5/19/2025 3:38:21 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : C2

Number of peaks found: 23 Corr. Area 1: 1,341.4
 Noise: 0.3

Peak table for sample 2 : C2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	40	13.69	522.1	
3	48	13.87	435.9	
4	73	11.23	232.1	
5	78	13.85	270.4	
6	99	10.33	158.6	
7	108	16.83	236.4	
8	117	58.50	755.8	
9	291	58.22	302.9	
10	344	124.76	548.9	
11	367	76.57	315.8	
12	385	94.61	372.3	
13	416	104.43	380.2	
14	447	48.57	164.4	
15	478	137.79	436.8	
16	517	72.53	212.6	
17	543	63.28	176.5	
18	588	78.65	202.7	
19	661	103.69	237.6	
20	712	95.98	204.2	
21	865	109.31	191.5	
22	960	77.47	122.3	
23	1,156	76.98	100.9	
24	1,324	275.10	314.8	
25	10,380	75.00	10.9	Upper Marker

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...bioanalyzer\2100 expert\data\2025-05-19\Custom0104_cDNA.xad

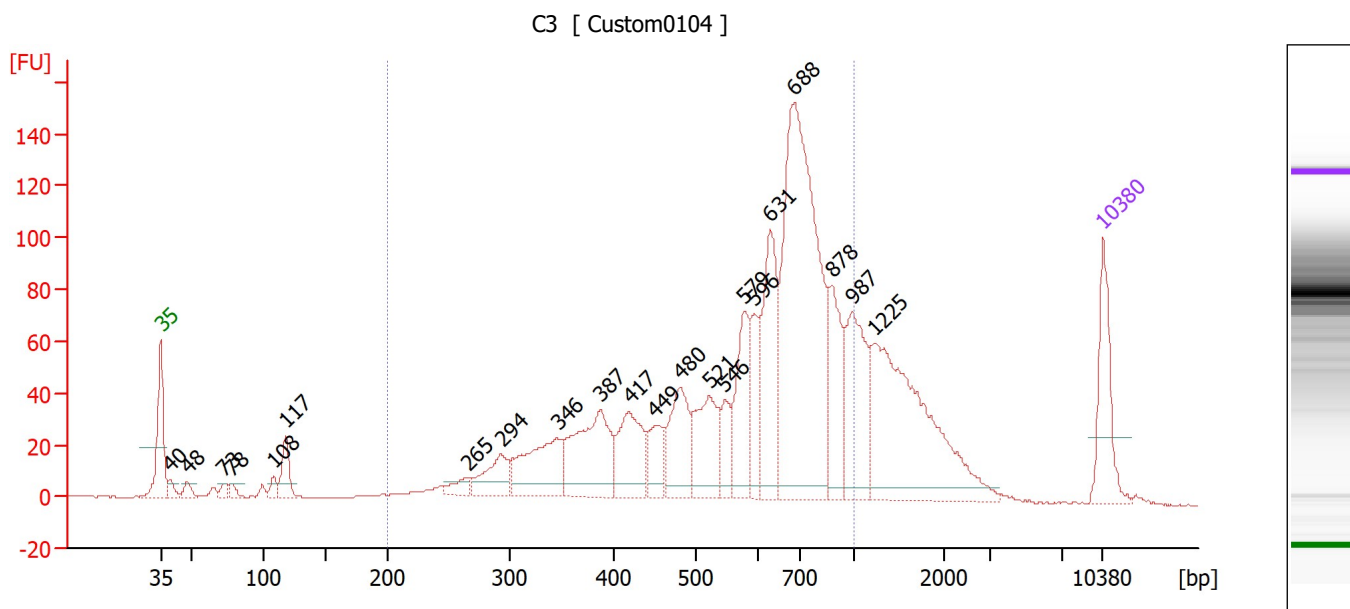
Created: 5/19/2025 2:36:37 PM
Modified: 5/19/2025 3:38:21 PM

Electropherogram Summary Continued ...**... Region table for sample 2 :****C2**

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Co lor
200	1,000	1,341.4	72	560	35.3	1,553.68	5,045.3	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...bioanalyzer\2100 expert\data\2025-05-19\Custom0104_cDNA.xad

Created: 5/19/2025 2:36:37 PM
Modified: 5/19/2025 3:38:21 PM

Electropherogram Summary Continued ...**Overall Results for sample 3 : C3**

Number of peaks found: 22 Corr. Area 1: 1,618.9
Noise: 0.2

Peak table for sample 3 : C3

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	40	15.21	583.2	
3	48	15.01	472.1	
4	73	11.43	237.4	
5	78	10.26	199.7	
6	108	15.13	212.5	
7	117	48.37	623.8	
8	265	20.21	115.4	
9	294	63.68	328.7	
10	346	121.14	531.0	
11	387	157.53	617.4	
12	417	100.12	363.5	
13	449	48.31	163.2	
14	480	100.33	316.8	
15	521	106.22	309.1	
16	546	38.07	105.6	
17	579	104.99	274.7	
18	596	59.69	151.9	
19	631	155.48	373.6	
20	688	541.91	1,194.1	
21	878	97.94	169.0	
22	987	132.65	203.6	
23	1,225	296.66	367.0	
24	10,380	75.00	10.9	Upper Marker

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...bioanalyzer\2100 expert\data\2025-05-19\Custom0104_cDNA.xad

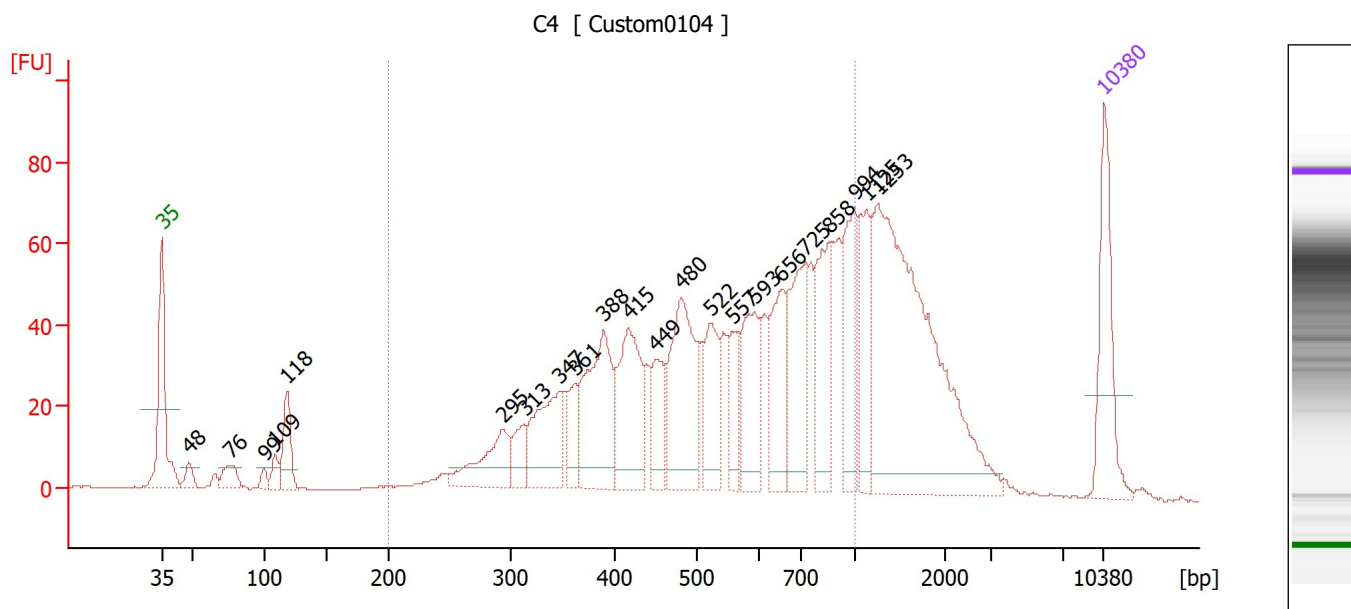
Created: 5/19/2025 2:36:37 PM
Modified: 5/19/2025 3:38:21 PM

Electropherogram Summary Continued ...**... Region table for sample 3 :****C3**

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Co lor
200	1,000	1,618.9	76	600	30.8	1,884.73	5,629.4	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...bioanalyzer\2100 expert\data\2025-05-19\Custom0104_cDNA.xad

Created: 5/19/2025 2:36:37 PM
Modified: 5/19/2025 3:38:21 PM

Electropherogram Summary Continued ...**Overall Results for sample 4 : C4**

Number of peaks found: 22
Noise: 0.2

Corr. Area 1: 1,262.1

Peak table for sample 4 : C4

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	48	15.53	488.4	
3	76	25.28	502.9	
4	99	8.87	135.2	
5	109	16.16	225.5	
6	118	51.34	660.1	
7	295	69.28	356.4	
8	313	30.70	148.6	
9	347	93.61	408.9	
10	361	34.23	143.6	
11	388	135.27	527.9	
12	415	114.84	419.2	
13	449	48.14	162.5	
14	480	138.40	436.8	
15	522	70.20	203.6	
16	557	41.66	113.3	
17	593	78.17	199.7	
18	656	73.41	169.6	
19	725	99.68	208.2	
20	858	84.16	148.7	
21	994	80.59	122.8	
22	1,125	65.14	87.8	
23	1,253	358.78	433.8	
24	10,380	75.00	10.9	Upper Marker

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...bioanalyzer\2100 expert\data\2025-05-19\Custom0104_cDNA.xad

Created: 5/19/2025 2:36:37 PM
Modified: 5/19/2025 3:38:21 PM

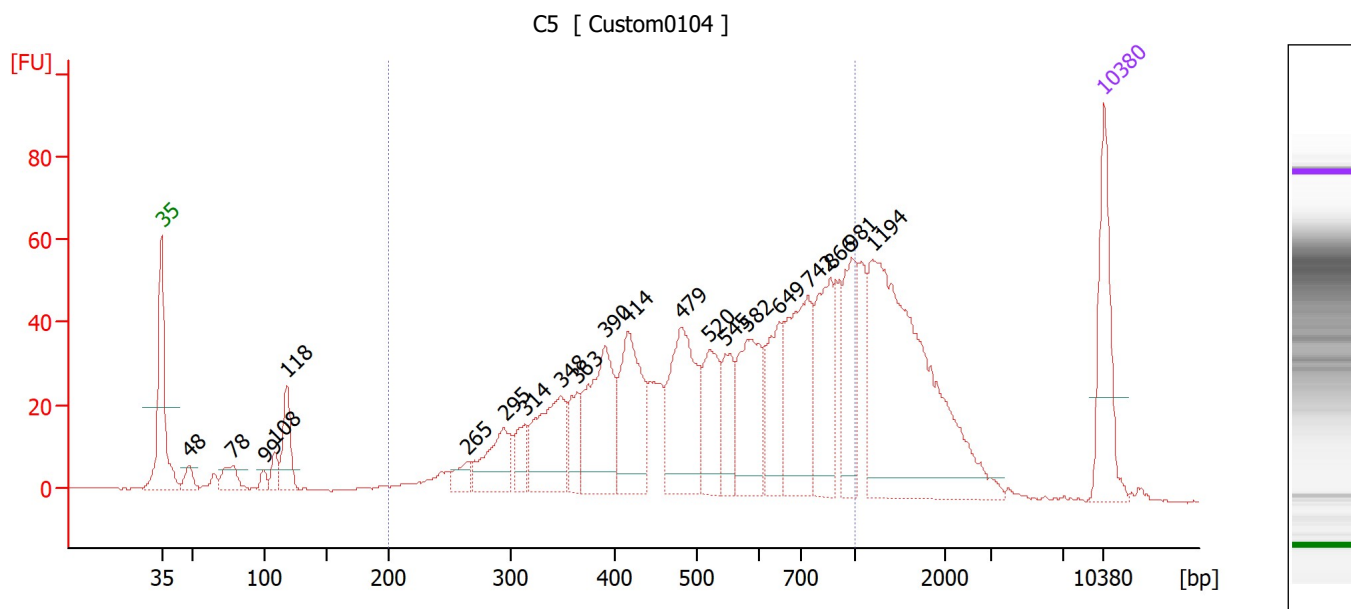
Electropherogram Summary Continued ...**... Region table for sample 4 :****C4**

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Co lor
200	1,000	1,262.1	69	566	34.6	1,512.69	4,824.8	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...bioanalyzer\2100 expert\data\2025-05-19\Custom0104_cDNA.xad

Created: 5/19/2025 2:36:37 PM
 Modified: 5/19/2025 3:38:21 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : C5

Number of peaks found: 21 Corr. Area 1: 1,086.7
 Noise: 0.2

Peak table for sample 5 : C5

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	48	16.67	523.8	
3	78	27.63	536.0	
4	99	9.55	145.6	
5	108	18.20	254.7	
6	118	56.47	725.8	
7	265	18.12	103.8	
8	295	64.93	333.5	
9	314	30.38	146.5	
10	348	104.04	452.6	
11	363	39.08	163.0	
12	390	129.45	502.7	
13	414	117.24	429.1	
14	479	137.23	434.0	
15	520	70.84	206.4	
16	545	49.91	138.8	
17	582	99.43	258.9	
18	649	68.72	160.5	
19	742	129.15	263.8	
20	866	96.65	169.2	
21	981	76.26	117.8	
22	1,194	317.90	403.3	
23	10,380	75.00	10.9	Upper Marker

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...bioanalyzer\2100 expert\data\2025-05-19\Custom0104_cDNA.xad

Created: 5/19/2025 2:36:37 PM
Modified: 5/19/2025 3:38:21 PM

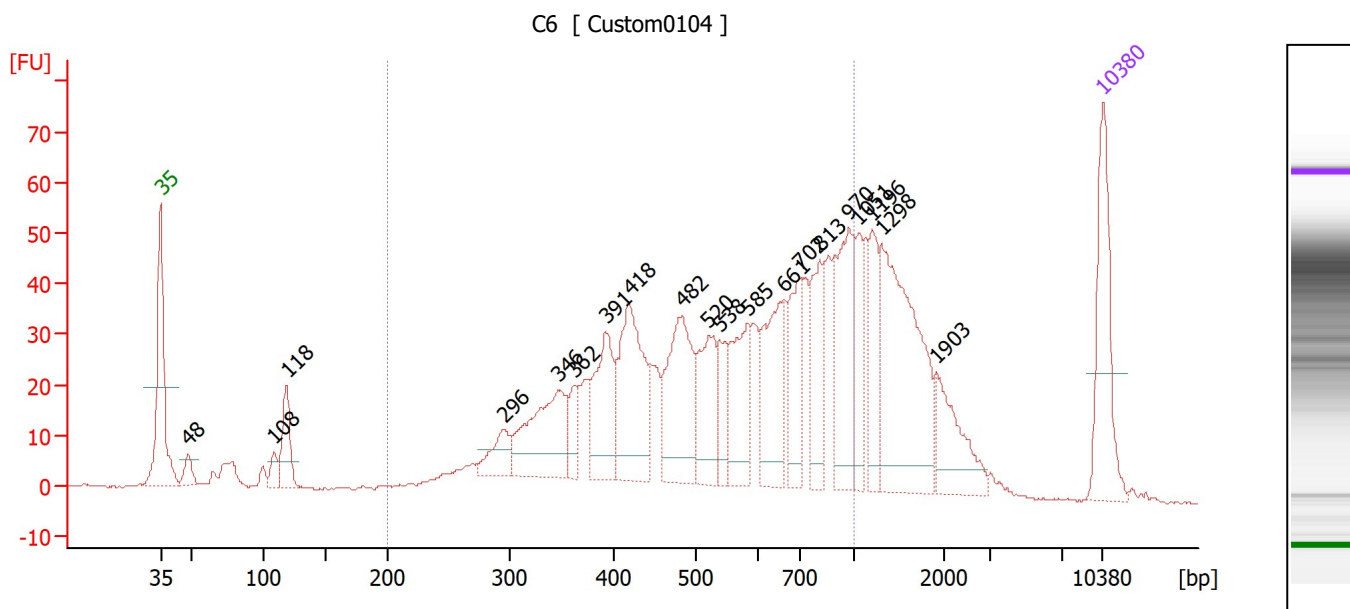
Electropherogram Summary Continued ...**... Region table for sample 5 :****C5**

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Co lor
200	1,000	1,086.7	71	557	35.4	1,385.14	4,519.8	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...bioanalyzer\2100 expert\data\2025-05-19\Custom0104_cDNA.xad

Created: 5/19/2025 2:36:37 PM
 Modified: 5/19/2025 3:38:21 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : C6

Number of peaks found: 20 Corr. Area 1: 947.3
 Noise: 0.1

Peak table for sample 6 : C6

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	48	16.80	527.9	
3	108	15.65	219.7	
4	118	49.83	637.8	
5	296	32.60	167.0	
6	346	110.00	481.3	
7	362	25.59	107.2	
8	391	86.25	334.3	
9	418	124.42	451.5	
10	482	116.45	366.2	
11	520	71.46	208.2	
12	538	35.38	99.7	
13	585	69.95	181.2	
14	661	87.18	199.9	
15	702	62.29	134.4	
16	813	57.17	106.6	
17	970	89.87	140.4	
18	1,051	45.31	65.3	
19	1,196	53.86	68.3	
20	1,298	172.96	201.9	
21	1,903	53.23	42.4	
22	10,380	75.00	10.9	Upper Marker

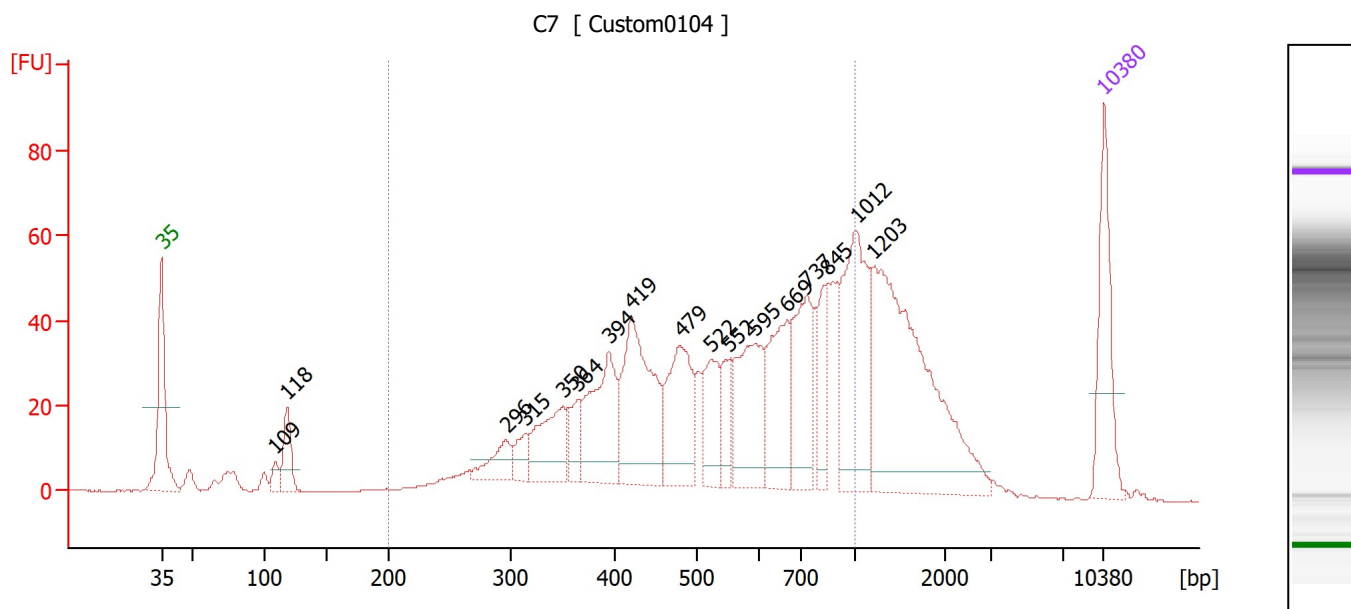
Region table for sample 6 : C6

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	947.3	71	564	34.5	1,325.11	4,225.2	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...bioanalyzer\2100 expert\data\2025-05-19\Custom0104_cDNA.xad

Created: 5/19/2025 2:36:37 PM
 Modified: 5/19/2025 3:38:21 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : C7

Number of peaks found: 17 Corr. Area 1: 1,009.0
 Noise: 0.2

Peak table for sample 7 : C7

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	109	14.79	206.5	
3	118	47.15	605.6	
4	296	37.61	192.3	
5	315	21.81	105.1	
6	350	78.05	337.5	
7	364	30.50	127.0	
8	394	116.08	446.7	
9	419	163.92	592.9	
10	479	110.68	350.3	
11	522	60.28	175.0	
12	552	33.59	92.2	
13	595	109.17	278.1	
14	669	97.20	220.1	
15	737	99.87	205.4	
16	845	49.18	88.2	
17	1,012	154.85	231.9	
18	1,203	291.66	367.3	
19	10,380	75.00	10.9	Upper Marker

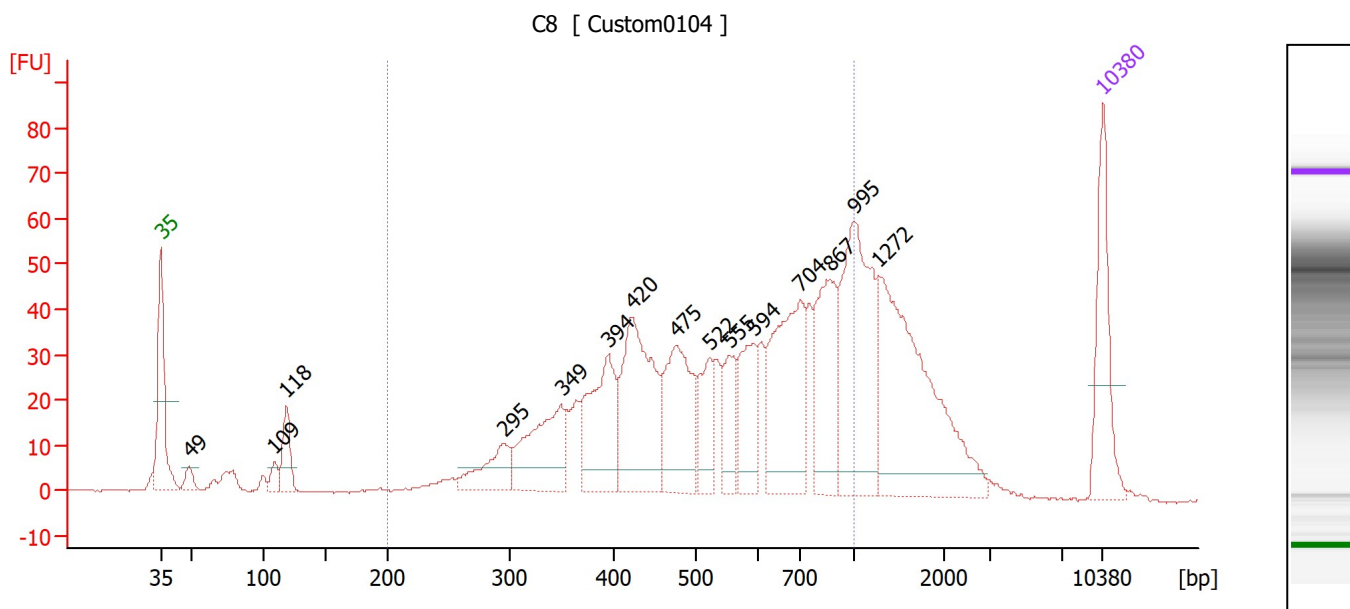
Region table for sample 7 : C7

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	1,009.0	71	564	34.8	1,377.64	4,402.7	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...bioanalyzer\2100 expert\data\2025-05-19\Custom0104_cDNA.xad

Created: 5/19/2025 2:36:37 PM
 Modified: 5/19/2025 3:38:21 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : C8

Number of peaks found: 15 Corr. Area 1: 942.6
 Noise: 0.1

Peak table for sample 8 : C8

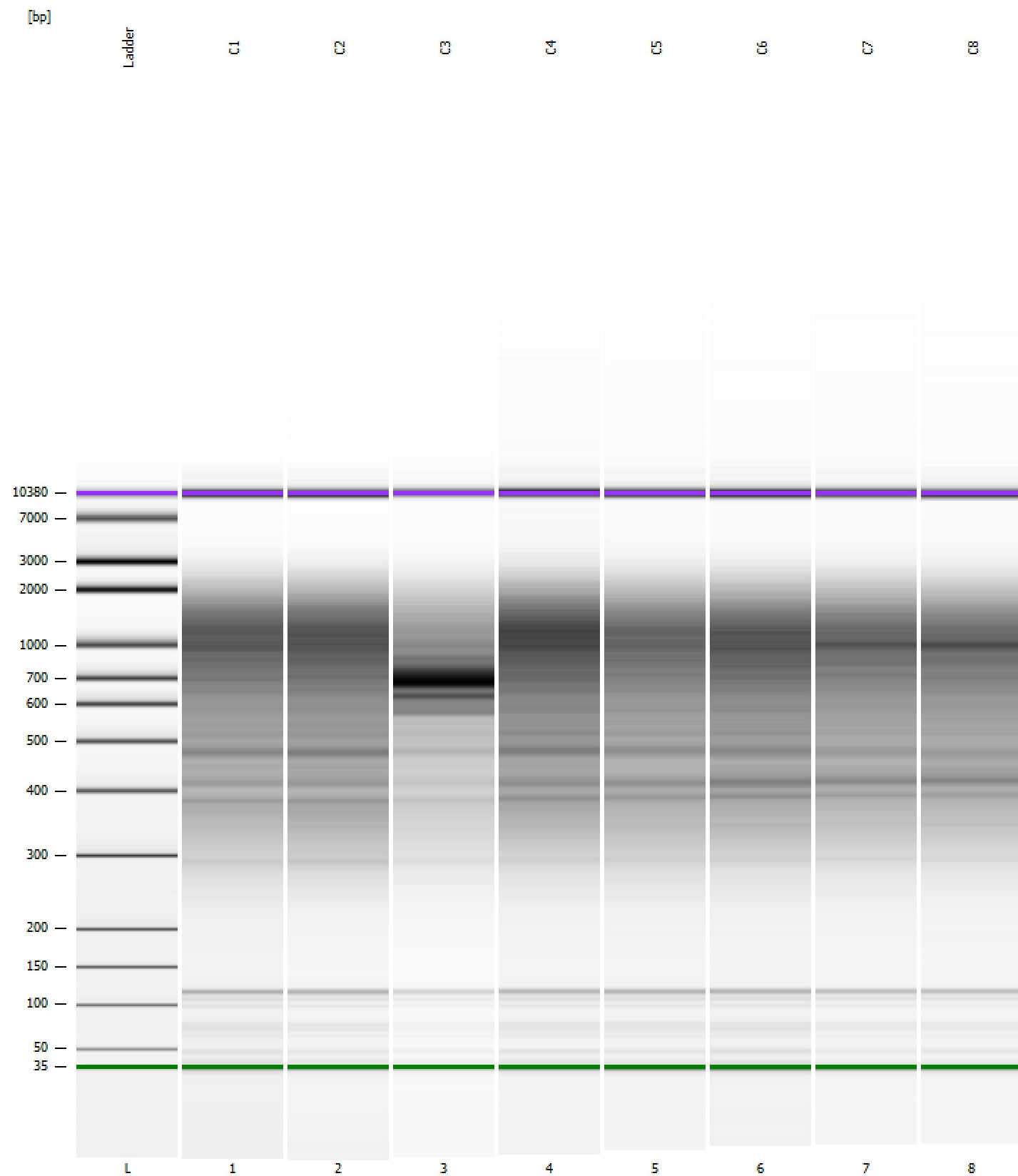
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	49	15.23	470.1	
3	109	14.44	201.6	
4	118	43.99	564.2	
5	295	53.28	273.5	
6	349	112.00	486.1	
7	394	117.55	452.3	
8	420	169.10	609.5	
9	475	122.12	389.4	
10	522	54.38	157.9	
11	555	44.72	122.1	
12	594	67.11	171.1	
13	704	161.16	346.7	
14	867	107.60	188.0	
15	995	183.14	278.9	
16	1,272	231.96	276.2	
17	10,380	75.00	10.9	Upper Marker

Region table for sample 8 : C8

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	942.6	71	566	34.4	1,296.73	4,110.3	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...bioanalyzer\2100 expert\data\2025-05-19\Custom0104_cDNA.xad

Created: 5/19/2025 2:36:37 PM
Modified: 5/19/2025 3:38:21 PM

Gel Image

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...bioanalyzer\2100 expert\data\2025-05-19\Custom0104_cDNA.xad

Created: 5/19/2025 2:36:37 PM
 Modified: 5/19/2025 3:38:21 PM

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		5/19/2025 3:17:56 PM	(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\2025-05-19\Bioanalyzer1_High Sensitivity DNA Assay_DE34903152_2025-05-19_002.xad)		Instrument	Run		5/19/2025 2:36:43 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		5/19/2025 2:36:43 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		5/19/2025 2:36:43 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		5/19/2025 2:36:43 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		5/19/2025 2:36:43 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		5/19/2025 2:36:43 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		5/19/2025 2:36:43 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB