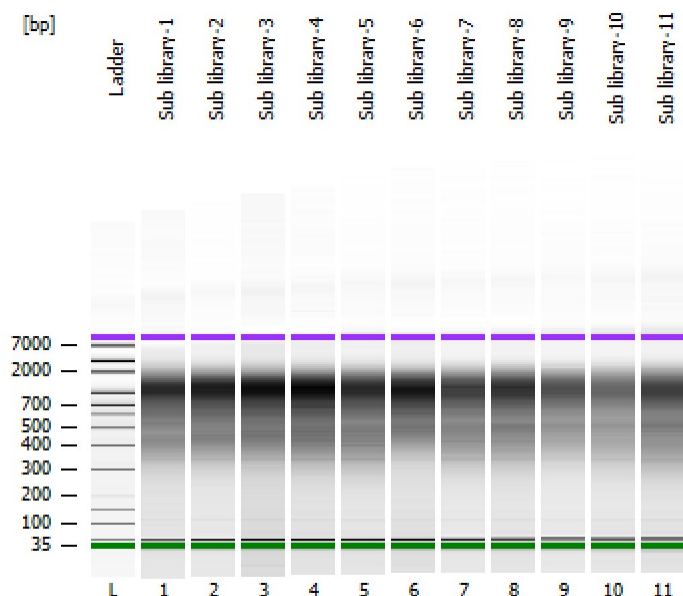


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-09-18_001.xad

Created: 9/18/2025 8:57:48 AM
Modified: 9/18/2025 9:40:35 AM

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

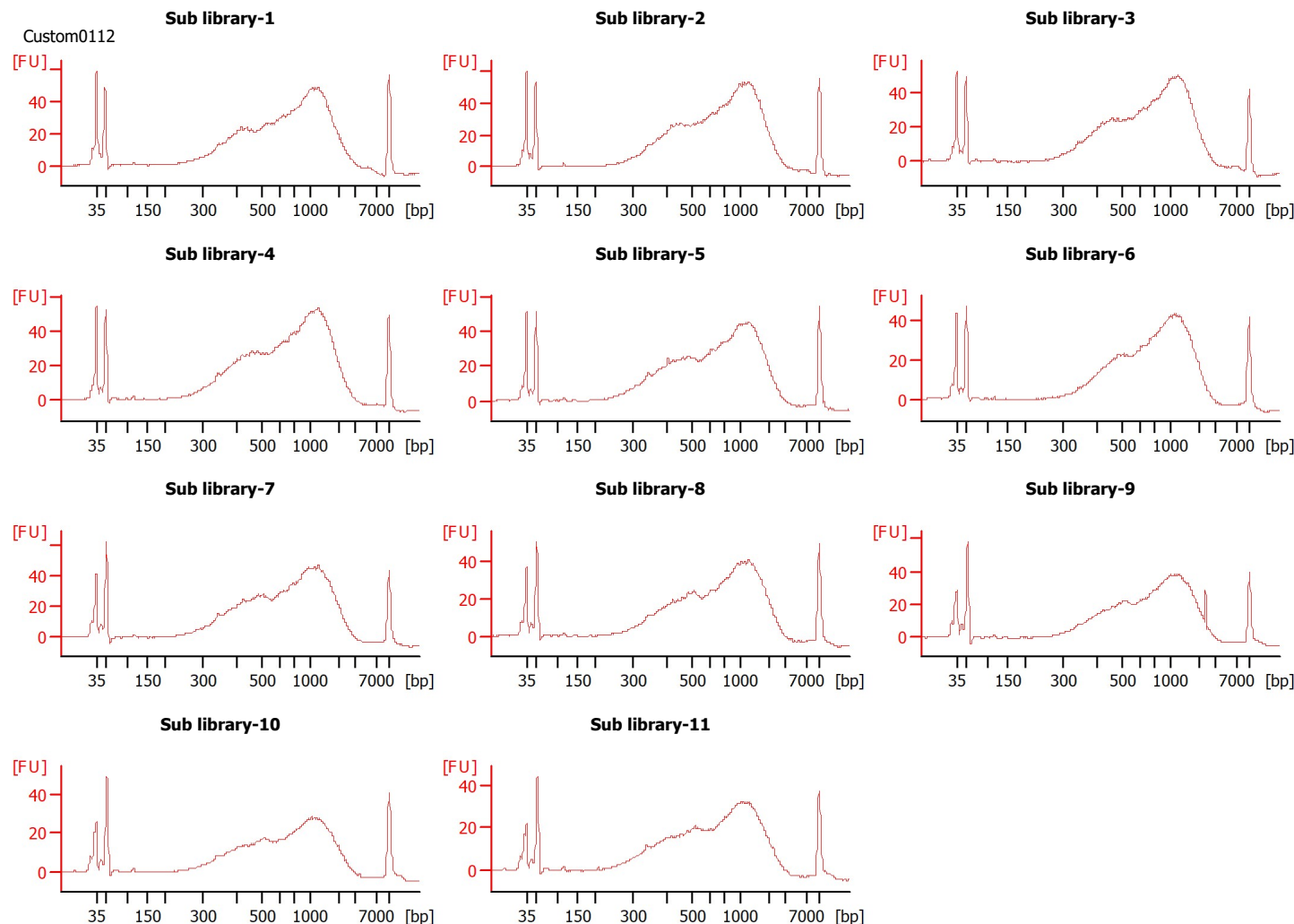
Assay Comments: Copyright © 2003-2010 Agilent Technologies

Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-09-18_001.xad

Created: 9/18/2025 8:57:48 AM
 Modified: 9/18/2025 9:40:35 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
Sub library-1	Custom0112	☐	✓			
Sub library-2		☐	✓			
Sub library-3		☐	✓			
Sub library-4		☐	✓			
Sub library-5		☐	✓			
Sub library-6		☐	✓			
Sub library-7		☐	✓			
Sub library-8		☐	✓			
Sub library-9		☐	✓			
Sub library-10		☐	✓			
Sub library-11		☐	✓			
Ladder		☐	✓			

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-09-18_001.xad

Created: 9/18/2025 8:57:48 AM
 Modified: 9/18/2025 9:40:35 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

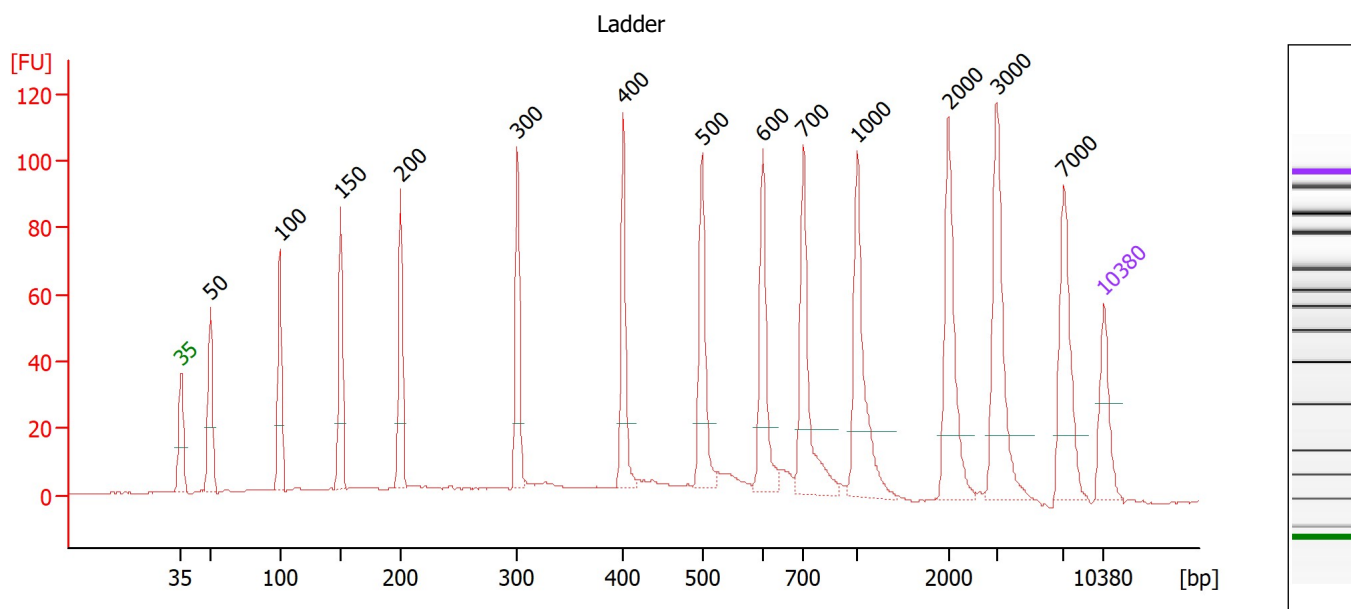
Ladder

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:\...r1_High Sensitivity DNA Assay_DE34903152_2025-09-18_001.xad

Created: 9/18/2025 8:57:48 AM
 Modified: 9/18/2025 9:40:35 AM

Electropherogram Summary



Overall Results for Ladder

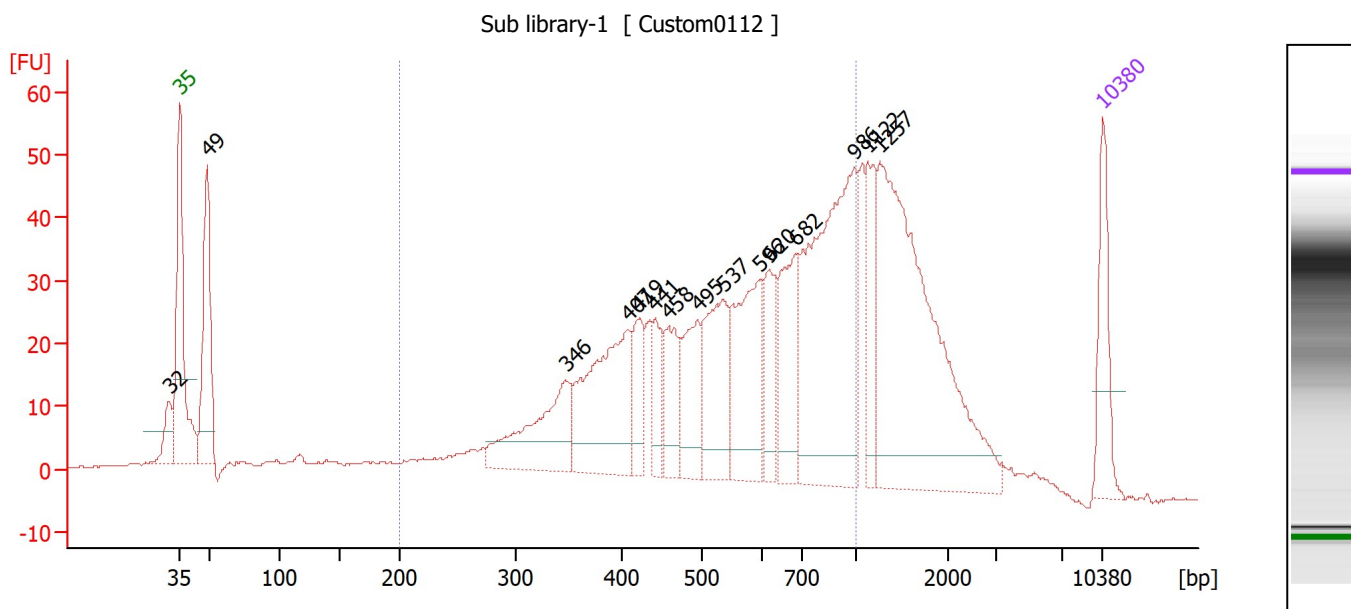
Noise: 0.2

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:\...r1_High Sensitivity DNA Assay_DE34903152_2025-09-18_001.xad

Created: 9/18/2025 8:57:48 AM
 Modified: 9/18/2025 9:40:35 AM

Electropherogram Summary Continued ...**Overall Results for sample 1 : Sub library-1**

Number of peaks found: 15 Corr. Area 1: 809.2
 Noise: 0.3

Peak table for sample 1 : Sub library-1

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	32	0.00	0.0	
2	35	125.00	5,411.3	Lower Marker
3	49	206.24	6,385.6	
4	346	163.16	715.2	
5	407	235.77	878.7	
6	419	63.98	231.2	
7	441	51.07	175.6	
8	458	74.38	246.0	
9	495	99.80	305.4	
10	537	143.52	405.3	
11	596	166.80	424.3	
12	620	80.09	195.8	
13	682	131.87	293.1	
14	986	385.67	592.9	
15	1,122	79.69	107.6	
16	1,257	472.33	569.5	
17	10,380	75.00	10.9	Upper Marker

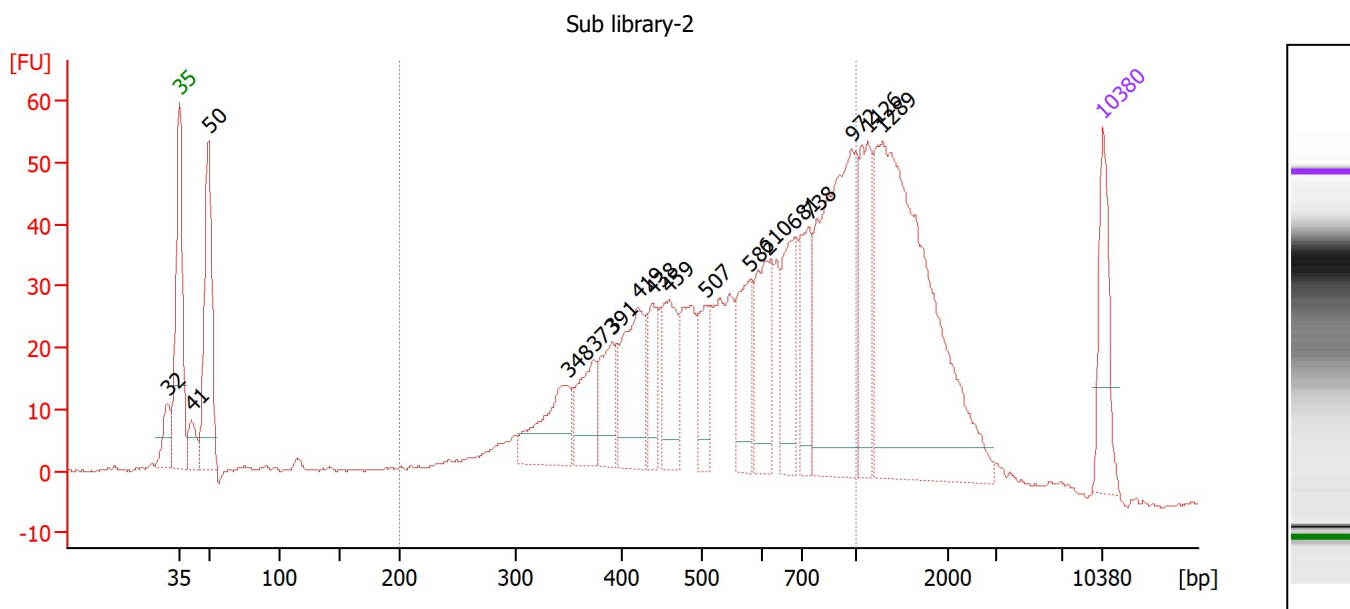
Region table for sample 1 : Sub library-1

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	809.2	64	574	34.2	1,841.93	5,808.5	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-09-18_001.xad

Created: 9/18/2025 8:57:48 AM
 Modified: 9/18/2025 9:40:35 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 : Sub library-2

Number of peaks found: 17 Corr. Area 1: 871.5
 Noise: 0.2

Peak table for sample 2 : Sub library-2

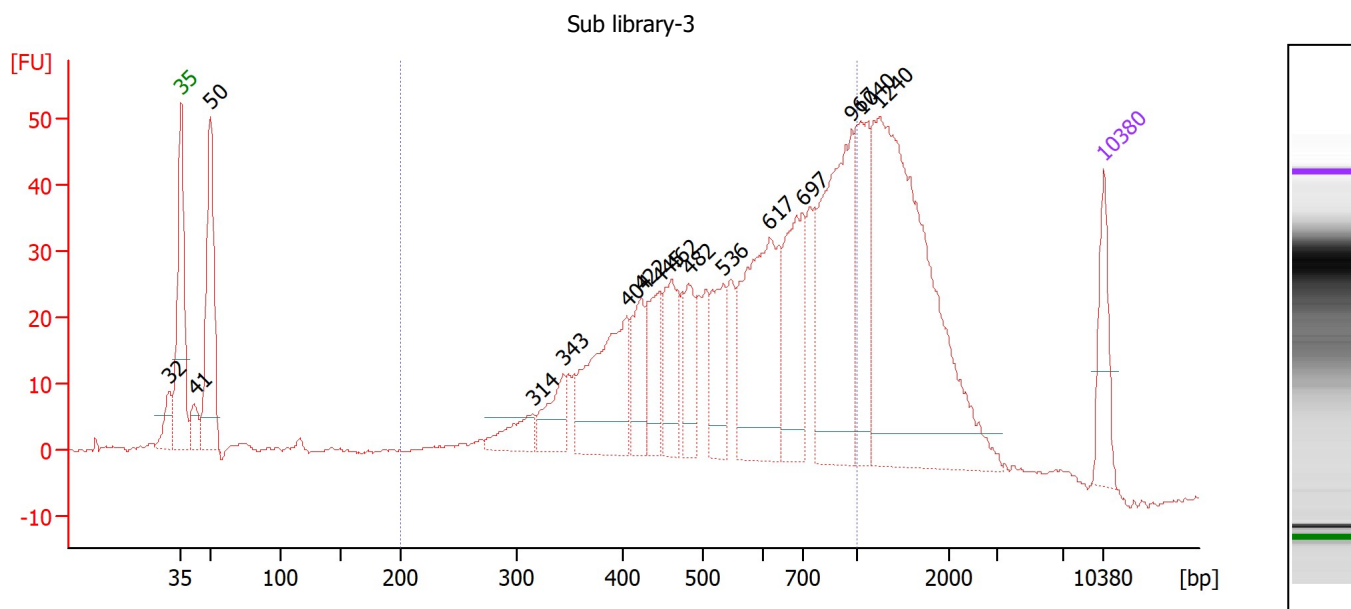
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	32	0.00	0.0	
2	35	125.00	5,411.3	Lower Marker
3	41	38.78	1,435.6	
4	50	237.51	7,249.8	
5	348	112.19	488.8	
6	373	80.70	327.9	
7	391	75.09	291.3	
8	419	133.04	481.0	
9	438	64.85	224.3	
10	459	99.36	328.1	
11	507	65.85	196.7	
12	582	92.69	241.3	
13	610	114.34	284.2	
14	681	101.93	227.0	
15	738	85.58	175.6	
16	972	322.40	502.3	
17	1,126	115.05	154.9	
18	1,289	513.25	603.5	
19	10,380	75.00	10.9	Upper Marker

Region table for sample 2 : Sub library-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	871.5	64	579	33.5	1,991.63	6,171.6	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-09-18_001.xad

Created: 9/18/2025 8:57:48 AM
 Modified: 9/18/2025 9:40:35 AM

Electropherogram Summary Continued ...**Overall Results for sample 3 : Sub library-3**

Number of peaks found: 16 Corr. Area 1: 786.5
 Noise: 0.2

Peak table for sample 3 : Sub library-3

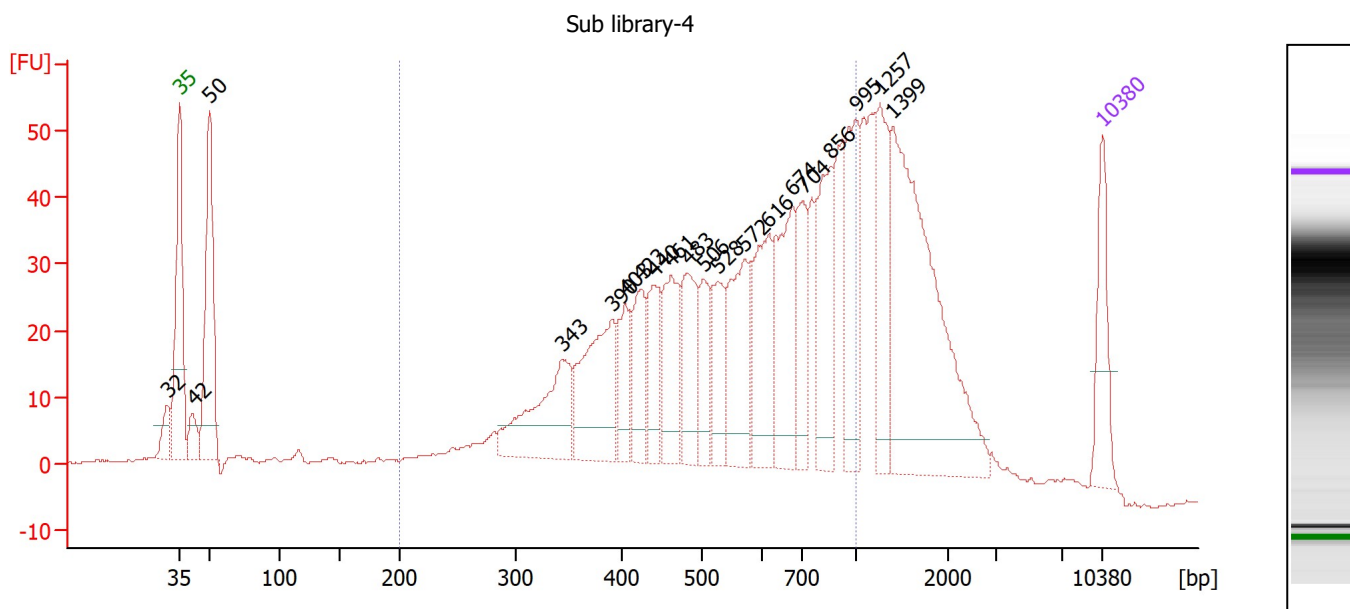
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	32	0.00	0.0	
2	35	125.00	5,411.3	Lower Marker
3	41	45.97	1,681.2	
4	50	298.43	9,065.7	
5	314	59.87	288.9	
6	343	83.31	367.8	
7	404	244.76	917.2	
8	422	94.76	340.6	
9	445	99.83	340.1	
10	462	116.41	381.8	
11	482	91.43	287.3	
12	536	107.27	303.3	
13	617	304.87	748.1	
14	697	208.72	453.5	
15	967	350.63	549.2	
16	1,040	150.44	219.2	
17	1,240	671.13	819.8	
18	10,380	75.00	10.9	Upper Marker

Region table for sample 3 : Sub library-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	786.5	63	585	33.0	2,353.57	7,178.4	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-09-18_001.xad

Created: 9/18/2025 8:57:48 AM
 Modified: 9/18/2025 9:40:35 AM

Electropherogram Summary Continued ...**Overall Results for sample 4 : Sub library-4**

Number of peaks found: 20 Corr. Area 1: 889.3
 Noise: 0.2

Peak table for sample 4 : Sub library-4

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	32	0.00	0.0	
2	35	125.00	5,411.3	Lower Marker
3	42	40.33	1,470.6	
4	50	262.37	7,916.7	
5	343	179.26	791.8	
6	390	185.13	718.6	
7	403	66.35	249.2	
8	423	91.23	326.8	
9	440	85.23	293.8	
10	461	112.60	370.0	
11	483	108.66	341.0	
12	506	64.70	193.9	
13	528	81.27	233.1	
14	572	138.54	366.8	
15	616	142.82	351.2	
16	674	157.69	354.6	
17	704	89.09	191.8	
18	856	134.74	238.4	
19	995	139.77	212.8	
20	1,257	124.01	149.5	
21	1,399	415.46	449.9	
22	10,380	75.00	10.9	Upper Marker

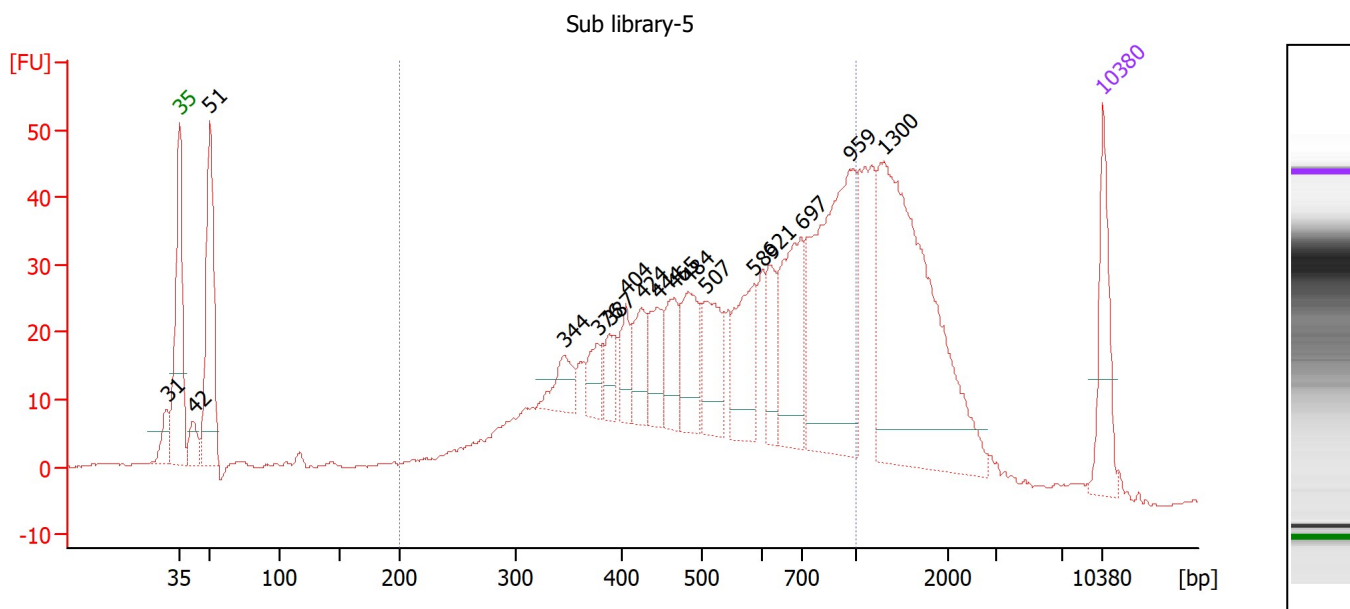
Region table for sample 4 : Sub library-4

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	889.3	64	574	34.1	2,298.06	7,225.5	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-09-18_001.xad

Created: 9/18/2025 8:57:48 AM
 Modified: 9/18/2025 9:40:35 AM

Electropherogram Summary Continued ...



Overall Results for sample 5 : Sub library-5

Number of peaks found: 17 Corr. Area 1: 804.5
 Noise: 0.2

Peak table for sample 5 : Sub library-5

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	31	0.00	0.0	
2	35	125.00	5,411.3	Lower Marker
3	42	36.46	1,324.7	
4	51	239.95	7,168.6	
5	344	47.48	208.9	
6	376	41.35	166.4	
7	387	35.31	138.1	
8	404	39.80	149.3	
9	424	56.81	203.0	
10	444	56.70	193.4	
11	465	67.02	218.3	
12	484	84.31	263.9	
13	507	86.84	259.6	
14	589	100.51	258.8	
15	621	51.31	125.1	
16	697	146.44	318.5	
17	959	315.81	499.1	
18	1,300	421.42	491.2	
19	10,380	75.00	10.9	Upper Marker

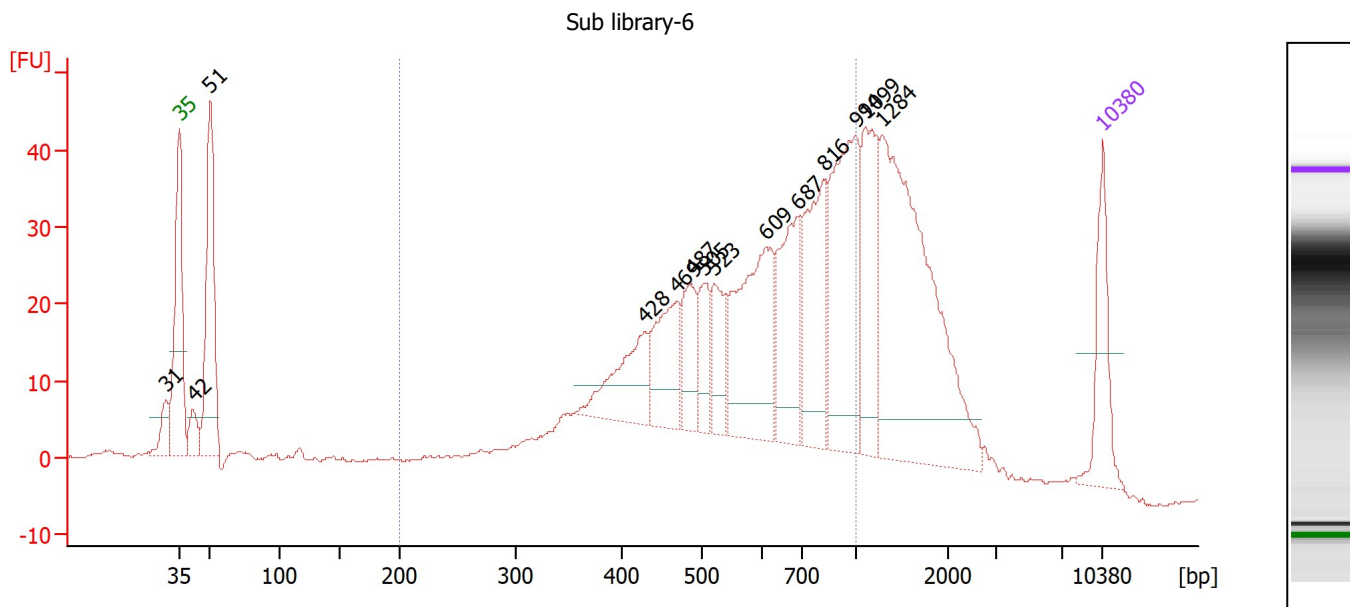
Region table for sample 5 : Sub library-5

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	804.5	65	565	34.9	1,953.94	6,275.6	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-09-18_001.xad

Created: 9/18/2025 8:57:48 AM
Modified: 9/18/2025 9:40:35 AM

Electropherogram Summary Continued ...



Overall Results for sample 6 : Sub library-6

Number of peaks found: 14 Corr. Area 1: 618.0
Noise: 0.2

Peak table for sample 6 : Sub library-6

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	31	0.00	0.0	
2	35	125.00	5,411.3	Lower Marker
3	42	38.33	1,388.3	
4	51	255.62	7,667.7	
5	428	114.57	405.3	
6	469	112.03	361.8	
7	487	75.97	236.2	
8	505	58.41	175.4	
9	523	64.03	185.7	
10	609	217.48	541.4	
11	687	149.21	329.0	
12	816	152.60	283.3	
13	994	231.54	353.0	
14	1,099	131.84	181.8	
15	1,284	425.28	501.9	
16	10,380	75.00	10.9	Upper Marker

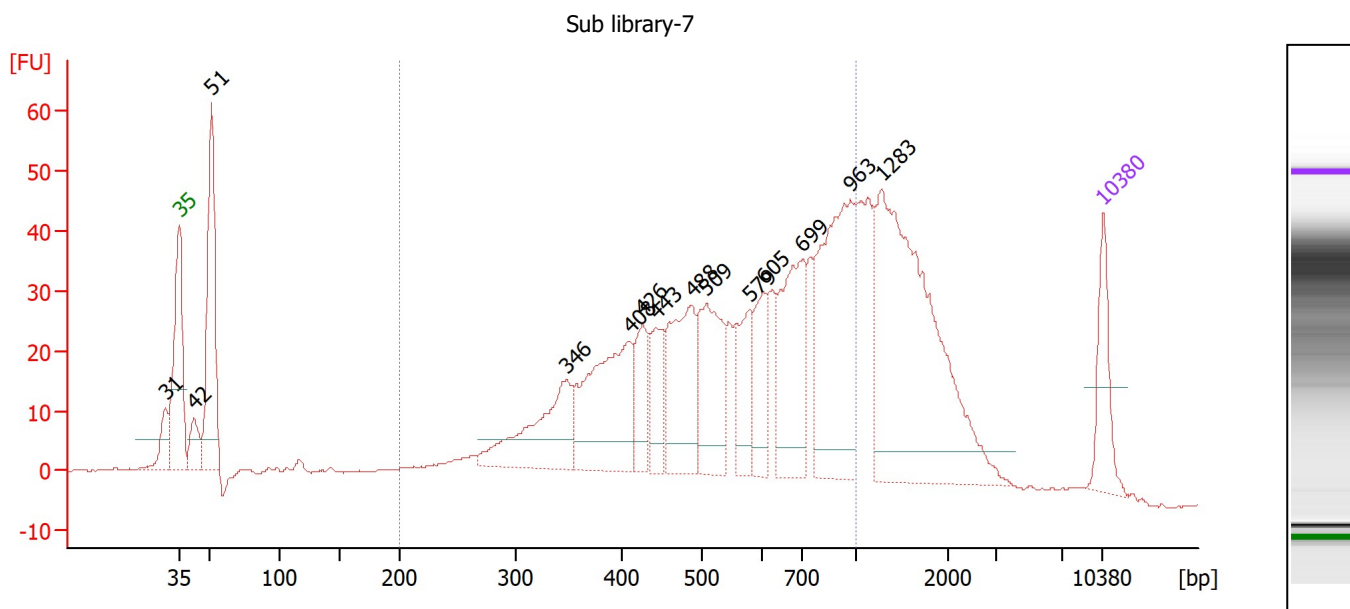
Region table for sample 6 : Sub library-6

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	618.0	62	605	31.2	1,720.62	5,004.9	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-09-18_001.xad

Created: 9/18/2025 8:57:48 AM
 Modified: 9/18/2025 9:40:35 AM

Electropherogram Summary Continued ...



Overall Results for sample 7 : Sub library-7

Number of peaks found: 14 Corr. Area 1: 791.6
 Noise: 0.2

Peak table for sample 7 : Sub library-7

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	31	0.00	0.0	
2	35	125.00	5,411.3	Lower Marker
3	42	56.14	2,029.6	
4	51	320.69	9,456.2	
5	346	200.07	876.7	
6	408	276.43	1,025.8	
7	426	85.65	304.9	
8	443	81.02	277.0	
9	488	203.87	633.5	
10	509	184.26	548.2	
11	579	90.75	237.3	
12	605	88.58	221.8	
13	699	206.41	447.3	
14	963	320.95	504.9	
15	1,283	538.74	636.3	
16	10,380	75.00	10.9	Upper Marker

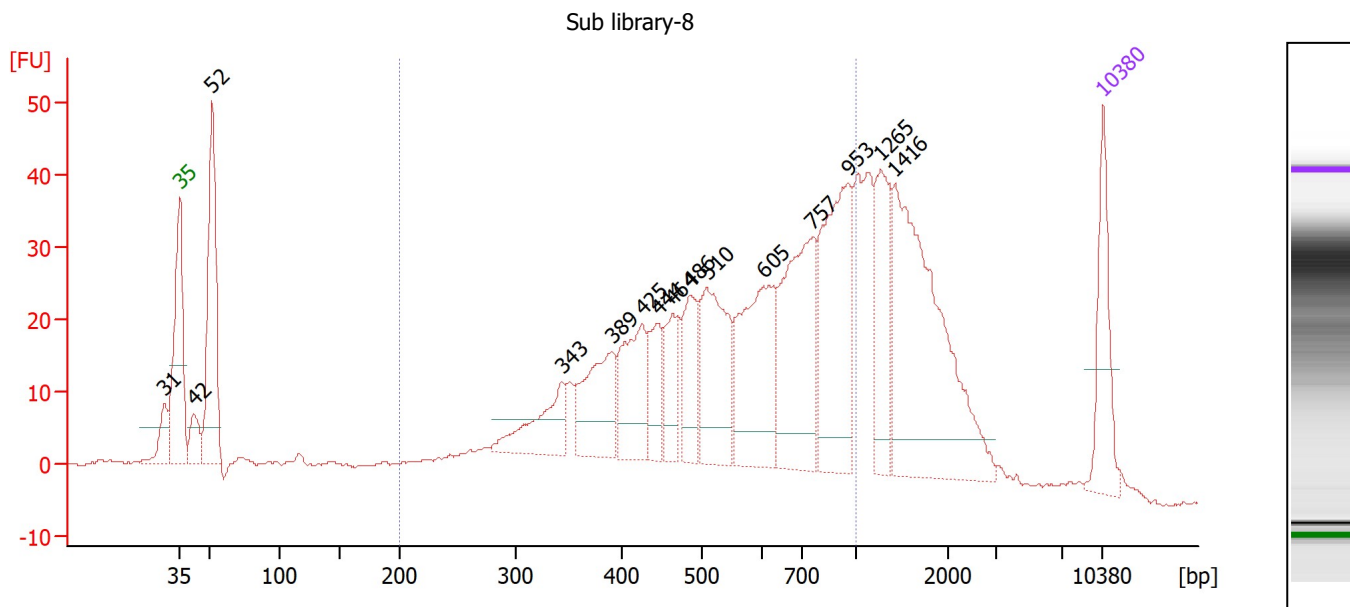
Region table for sample 7 : Sub library-7

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	791.6	65	574	34.0	2,186.42	6,846.3	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-09-18_001.xad

Created: 9/18/2025 8:57:48 AM
Modified: 9/18/2025 9:40:35 AM

Electropherogram Summary Continued ...



Overall Results for sample 8 : Sub library-8

Number of peaks found: 15 Corr. Area 1: 665.0
Noise: 0.2

Peak table for sample 8 : Sub library-8

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	31	0.00	0.0	
2	35	125.00	5,411.3	Lower Marker
3	42	41.55	1,500.4	
4	52	239.42	6,953.5	
5	343	84.87	375.1	
6	389	113.54	442.2	
7	425	114.04	407.0	
8	444	54.96	187.4	
9	464	65.06	212.5	
10	486	76.10	237.3	
11	510	154.16	458.0	
12	605	172.05	430.8	
13	757	204.45	409.1	
14	953	204.55	325.3	
15	1,265	98.28	117.7	
16	1,416	316.98	339.3	
17	10,380	75.00	10.9	Upper Marker

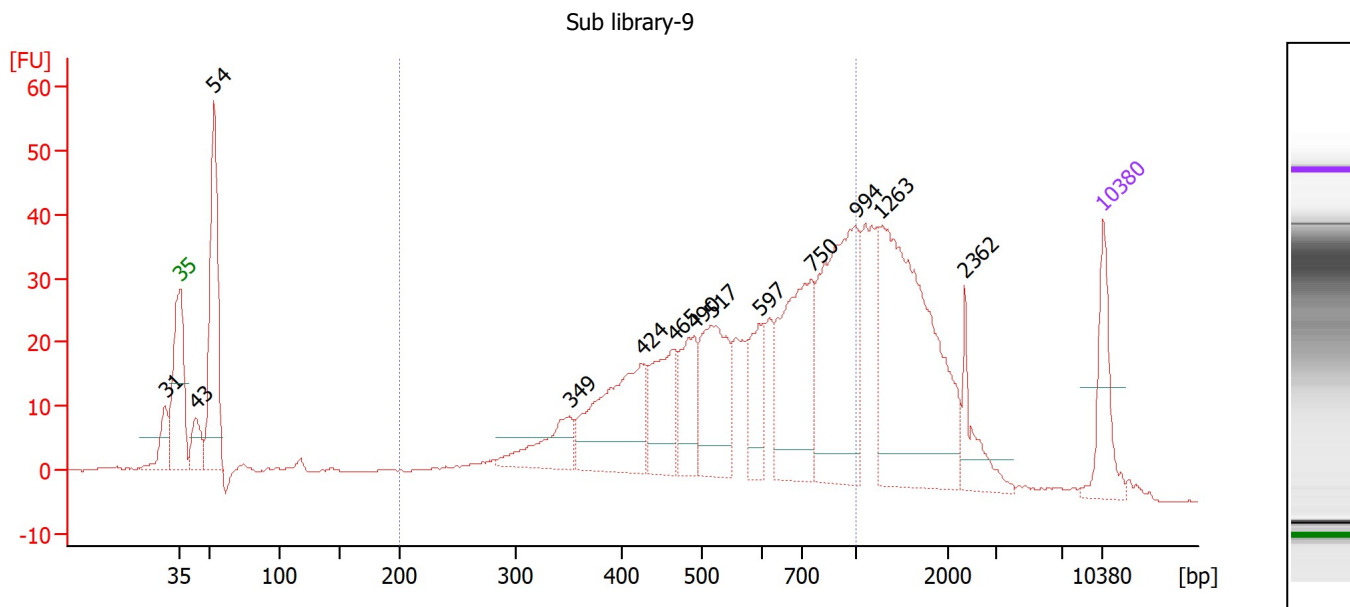
Region table for sample 8 : Sub library-8

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	665.0	62	577	33.8	1,604.44	4,994.7	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-09-18_001.xad

Created: 9/18/2025 8:57:48 AM
 Modified: 9/18/2025 9:40:35 AM

Electropherogram Summary Continued ...



Overall Results for sample 9 : Sub library-9

Number of peaks found: 13 Corr. Area 1: 602.3
 Noise: 0.2

Peak table for sample 9 : Sub library-9

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	31	0.00	0.0	
2	35	125.00	5,411.3	Lower Marker
3	43	57.40	2,028.9	
4	54	311.94	8,831.0	
5	349	92.50	401.1	
6	424	230.40	823.2	
7	465	128.14	417.8	
8	490	99.99	309.2	
9	517	174.31	510.9	
10	597	80.03	203.3	
11	750	234.03	473.0	
12	994	300.33	457.8	
13	1,263	417.85	501.4	
14	2,362	59.12	37.9	
15	10,380	75.00	10.9	Upper Marker

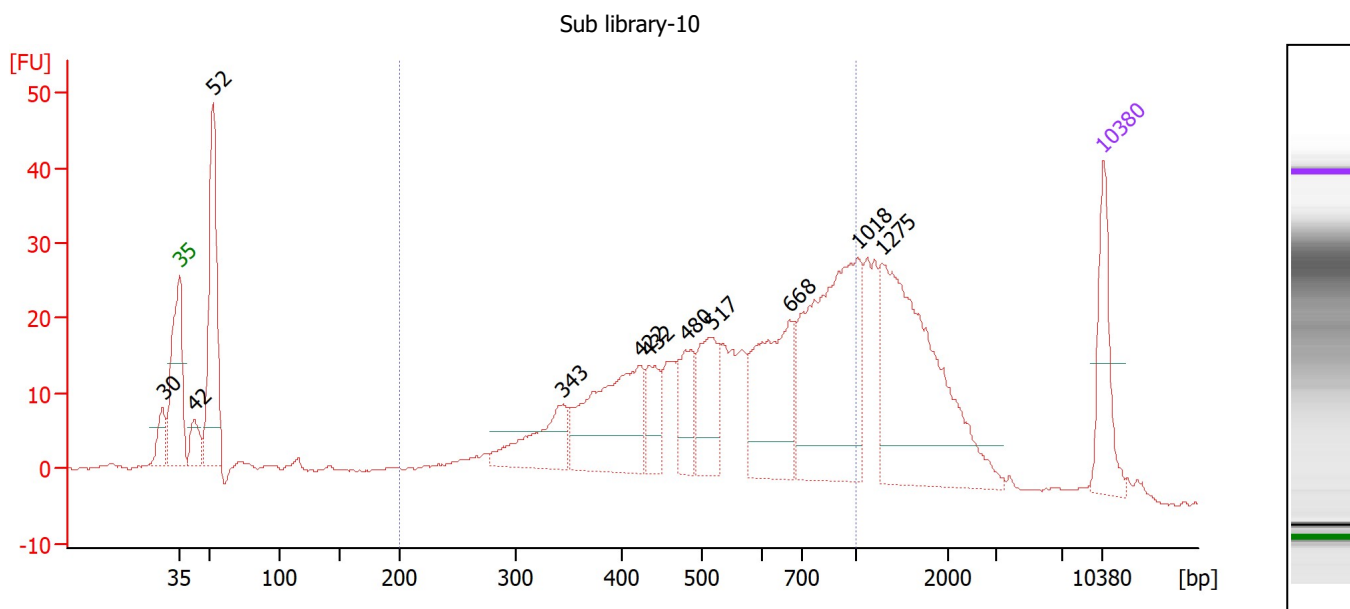
Region table for sample 9 : Sub library-9

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	602.3	60	589	32.7	1,670.69	5,047.0	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-09-18_001.xad

Created: 9/18/2025 8:57:48 AM
Modified: 9/18/2025 9:40:35 AM

Electropherogram Summary Continued ...



Overall Results for sample 10 : Sub library-10

Number of peaks found: 11 Corr. Area 1: 481.9
Noise: 0.1

Peak table for sample 10 : Sub library-10

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	30	0.00	0.0	
2	35	125.00	5,411.3	Lower Marker
3	42	41.82	1,507.4	
4	52	257.92	7,452.8	
5	343	100.26	443.2	
6	422	207.44	744.1	
7	432	51.09	179.0	
8	480	63.09	199.2	
9	517	95.03	278.5	
10	668	174.74	396.2	
11	1,018	296.89	442.0	
12	1,275	314.09	373.2	
13	10,380	75.00	10.9	Upper Marker

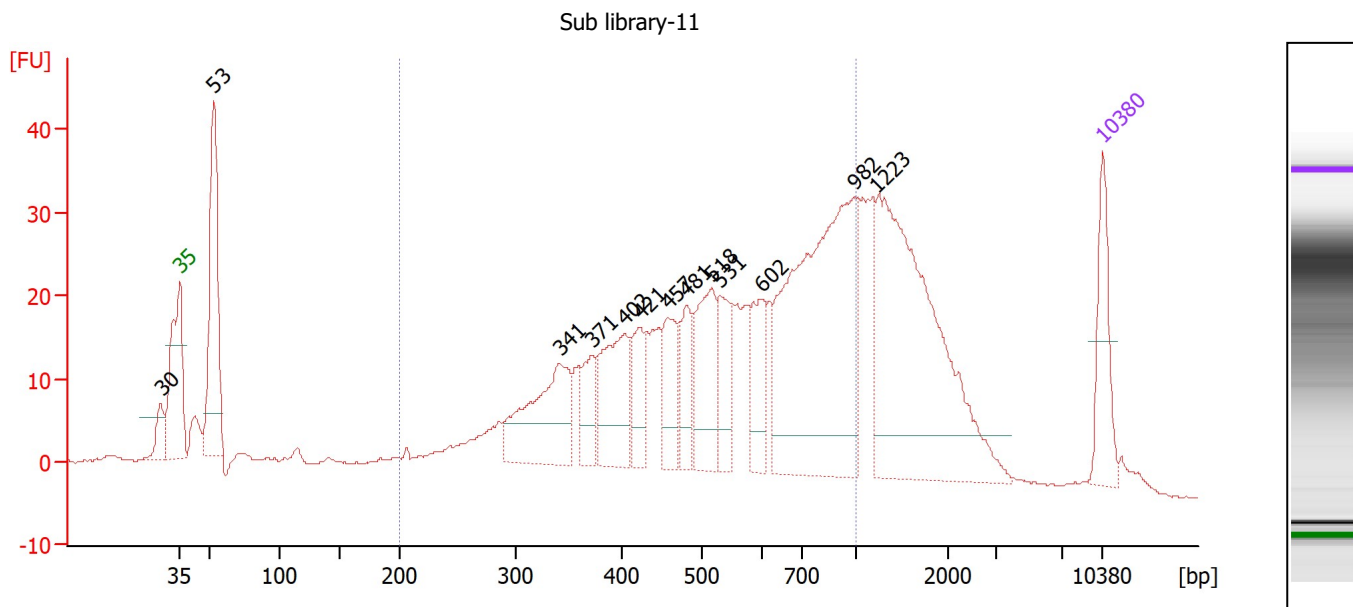
Region table for sample 10 : Sub library-10

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	481.9	62	572	34.1	1,317.00	4,135.6	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-09-18_001.xad

Created: 9/18/2025 8:57:48 AM
Modified: 9/18/2025 9:40:35 AM

Electropherogram Summary Continued ...



Overall Results for sample 11 : Sub library-11

Number of peaks found: 13 Corr. Area 1: 583.8
Noise: 0.2

Peak table for sample 11 : Sub library-11

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	30	0.00	0.0	
2	35	125.00	5,411.3	Lower Marker
3	53	268.10	7,636.1	
4	341	187.22	832.6	
5	371	58.42	238.4	
6	402	139.24	524.3	
7	421	65.89	237.0	
8	457	78.02	258.7	
9	481	68.12	214.4	
10	518	133.24	390.0	
11	531	74.87	213.8	
12	602	84.22	212.1	
13	982	473.93	731.3	
14	1,223	458.19	567.6	
15	10,380	75.00	10.9	Upper Marker

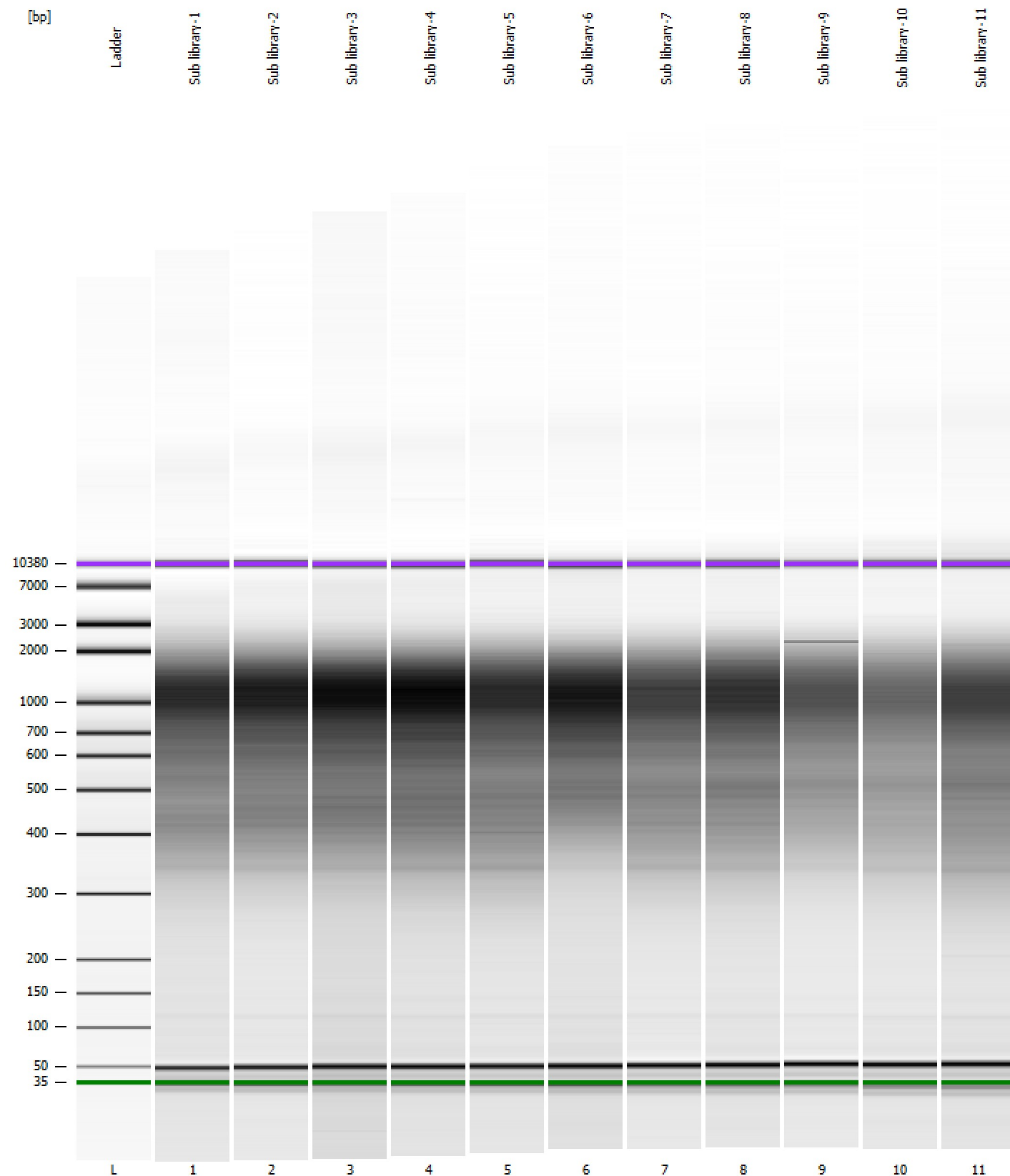
Region table for sample 11 : Sub library-11

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	583.8	64	563	35.1	1,861.86	6,009.9	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-09-18_001.xad

Created: 9/18/2025 8:57:48 AM
 Modified: 9/18/2025 9:40:35 AM

Gel Image



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-09-18_001.xad
 Created: 9/18/2025 8:57:48 AM
 Modified: 9/18/2025 9:40:35 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		9/18/2025 9:39:10 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\2025-09-18\Bioanalyzer1_High Sensitivity DNA Assay_DE34903152_2025-09-18_001.xad)		Instrument	Run		9/18/2025 8:57:55 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		9/18/2025 8:57:55 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		9/18/2025 8:57:55 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		9/18/2025 8:57:55 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		9/18/2025 8:57:55 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		9/18/2025 8:57:55 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		9/18/2025 8:57:55 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB