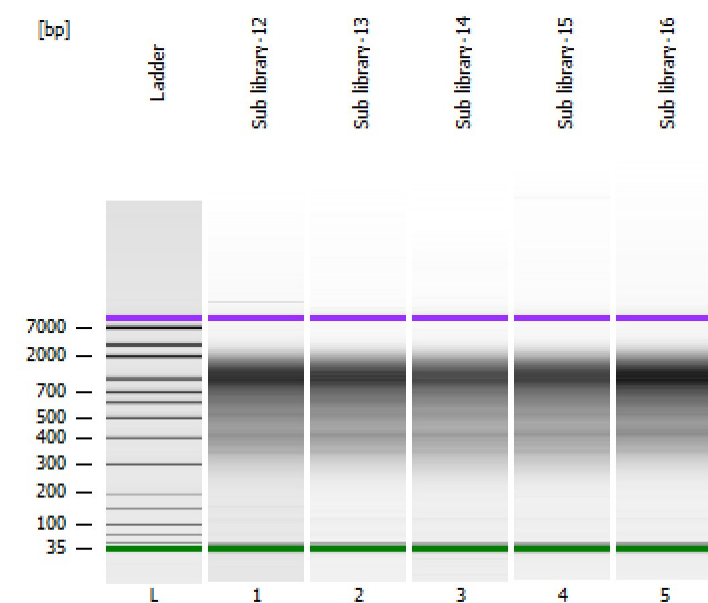


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...oanalyzer\2100 expert\data\2025-09-19\Custom0112 cDNA-2.xad

Created: 9/19/2025 8:39:58 AM
Modified: 9/19/2025 1:56:22 PM

Electrophoresis File Run Summary



Instrument Information:

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

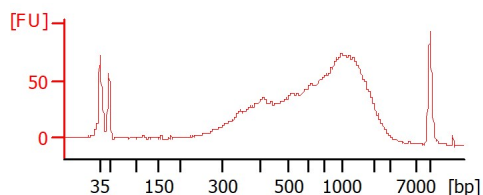
Assay Information:

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

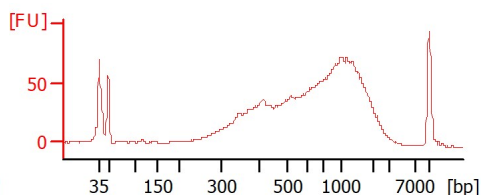
Chip Information:

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

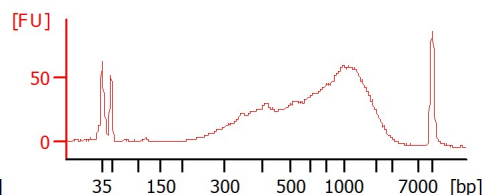
Sub library-12



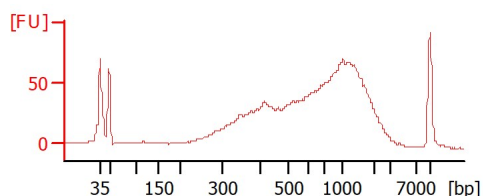
Sub library-13



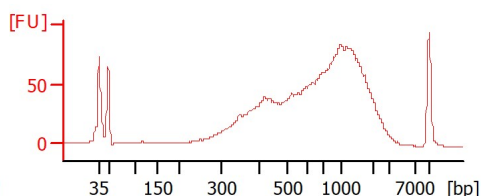
Sub library-14



Sub library-15



Sub library-16



Assay Class: High Sensitivity DNA Assay
Data Path: C:\...oanalyzer\2100 expert\data\2025-09-19\Custom0112 cDNA-2.xad

Created: 9/19/2025 8:39:58 AM
Modified: 9/19/2025 1:56:22 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
Sub library-12		☐	✓			
Sub library-13		☐	✓			
Sub library-14		☐	✓			
Sub library-15		☐	✓			
Sub library-16		☐	✓			
Ladder		☐	✓			

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

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...oanalyzer\2100 expert\data\2025-09-19\Custom0112 cDNA-2.xad

Created: 9/19/2025 8:39:58 AM
Modified: 9/19/2025 1:56:22 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

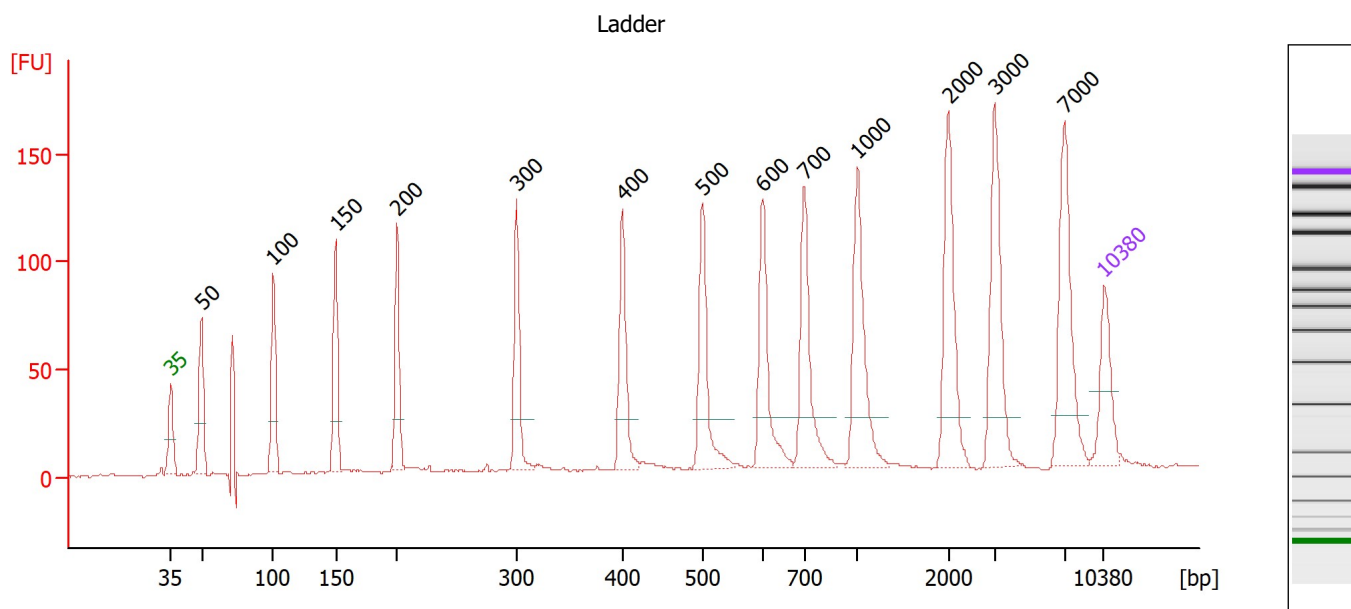
Ladder

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:\...oanalyzer\2100 expert\data\2025-09-19\Custom0112 cDNA-2.xad

Created: 9/19/2025 8:39:58 AM
 Modified: 9/19/2025 1:56:22 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.3

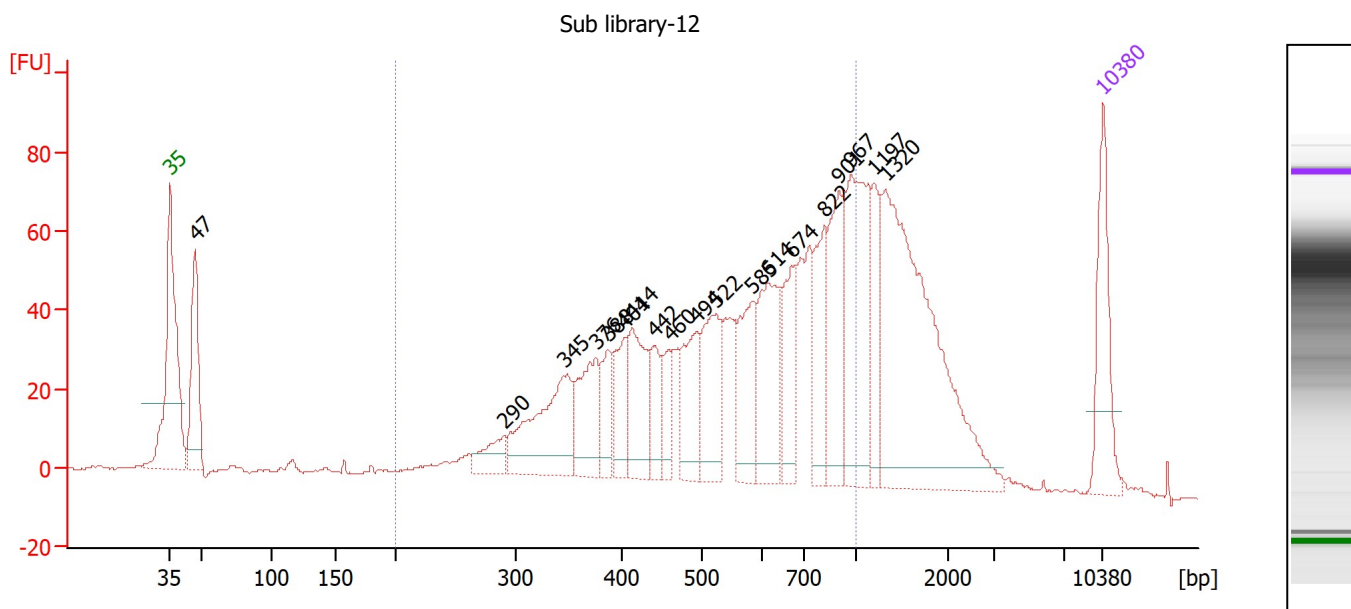
Peak table for Ladder

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:\...oanalyzer\2100 expert\data\2025-09-19\Custom0112 cDNA-2.xad

Created: 9/19/2025 8:39:58 AM
 Modified: 9/19/2025 1:56:22 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : Sub library-12

Number of peaks found: 19 Corr. Area 1: 1,268.9
 Noise: 0.3

Peak table for sample 1 : Sub library-12

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	47	134.76	4,304.6	
3	290	37.54	196.0	
4	345	152.82	670.6	
5	376	91.84	370.4	
6	388	42.49	166.1	
7	404	56.99	213.7	
8	414	89.59	327.6	
9	442	48.02	164.6	
10	460	35.75	117.6	
11	494	79.19	243.1	
12	522	94.16	273.1	
13	585	85.73	222.0	
14	614	112.45	277.3	
15	674	72.10	162.2	
16	822	75.02	138.3	
17	901	99.09	166.7	
18	967	170.70	267.4	
19	1,197	61.78	78.2	
20	1,320	351.40	403.3	
21	10,380	75.00	10.9	Upper Marker

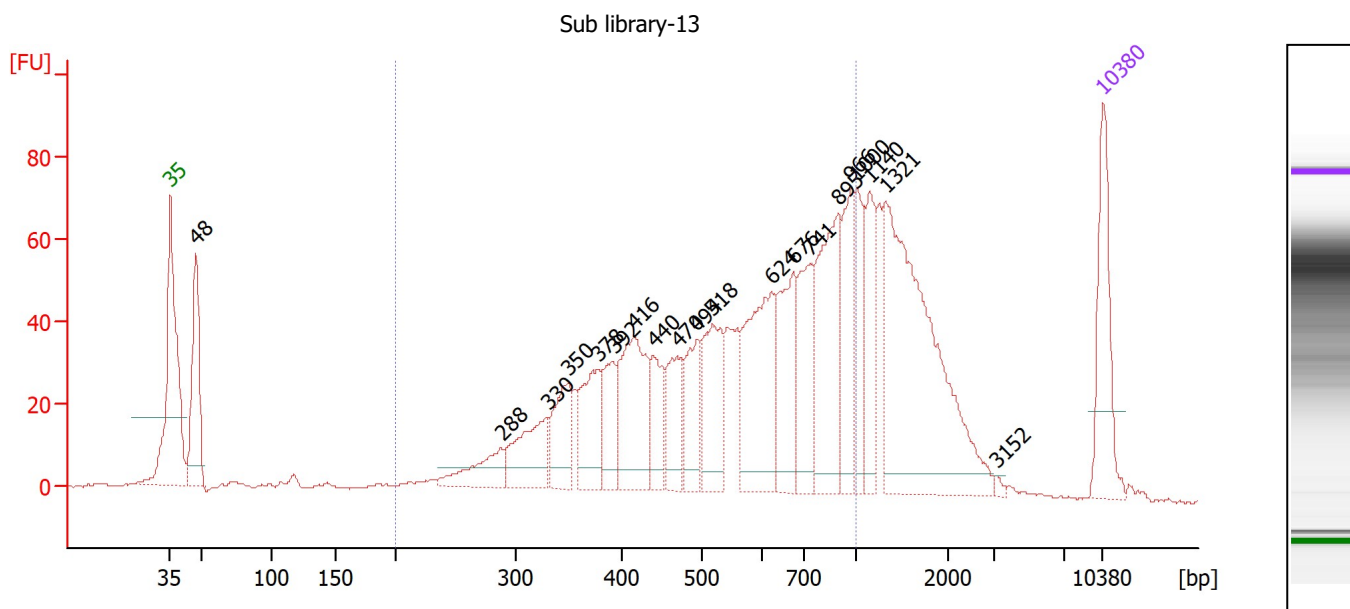
Region table for sample 1 : Sub library-12

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	1,268.9	68	577	34.4	1,563.25	4,905.0	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...oanalyzer\2100 expert\data\2025-09-19\Custom0112 cDNA-2.xad

Created: 9/19/2025 8:39:58 AM
 Modified: 9/19/2025 1:56:22 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : Sub library-13

Number of peaks found: 20 Corr. Area 1: 1,213.6
 Noise: 0.3

Peak table for sample 2 : Sub library-13

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	48	135.88	4,333.2	
3	288	52.89	278.7	
4	330	79.86	366.8	
5	350	70.21	304.1	
6	378	79.79	319.6	
7	392	54.24	209.4	
8	416	127.38	463.8	
9	440	45.59	156.9	
10	470	55.64	179.4	
11	494	62.58	191.9	
12	518	95.71	279.9	
13	624	147.62	358.6	
14	676	100.02	224.2	
15	741	83.46	170.7	
16	895	142.41	241.0	
17	966	78.13	122.5	
18	1,000	56.29	85.3	
19	1,140	62.55	83.1	
20	1,321	299.76	343.8	
21	3,152	2.90	1.4	
22	10,380	75.00	10.9	Upper Marker

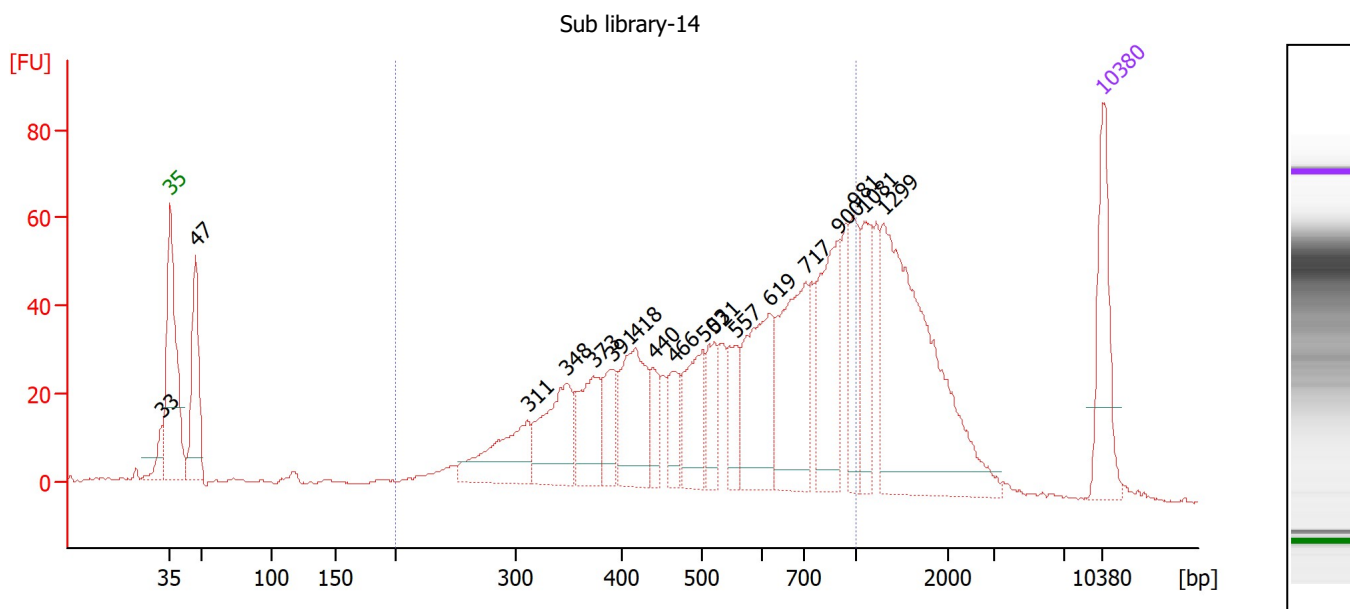
Region table for sample 2 : Sub library-13

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	1,213.6	68	574	34.4	1,473.87	4,640.1	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...oanalyzer\2100 expert\data\2025-09-19\Custom0112 cDNA-2.xad

Created: 9/19/2025 8:39:58 AM
 Modified: 9/19/2025 1:56:22 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : Sub library-14

Number of peaks found: 18 Corr. Area 1: 1,047.0
 Noise: 0.2

Peak table for sample 3 : Sub library-14

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	33	0.00	0.0	
2	35	125.00	5,411.3	Lower Marker
3	47	130.56	4,174.8	
4	311	98.10	478.1	
5	348	109.74	478.1	
6	373	81.22	329.8	
7	391	45.16	175.2	
8	418	112.92	409.4	
9	440	31.56	108.8	
10	466	39.92	129.7	
11	503	75.03	226.0	
12	521	47.03	136.9	
13	557	44.51	121.0	
14	619	127.04	310.9	
15	717	148.33	313.3	
16	900	118.72	199.8	
17	981	60.42	93.3	
18	1,081	58.33	81.8	
19	1,299	291.78	340.2	
20	10,380	75.00	10.9	Upper Marker

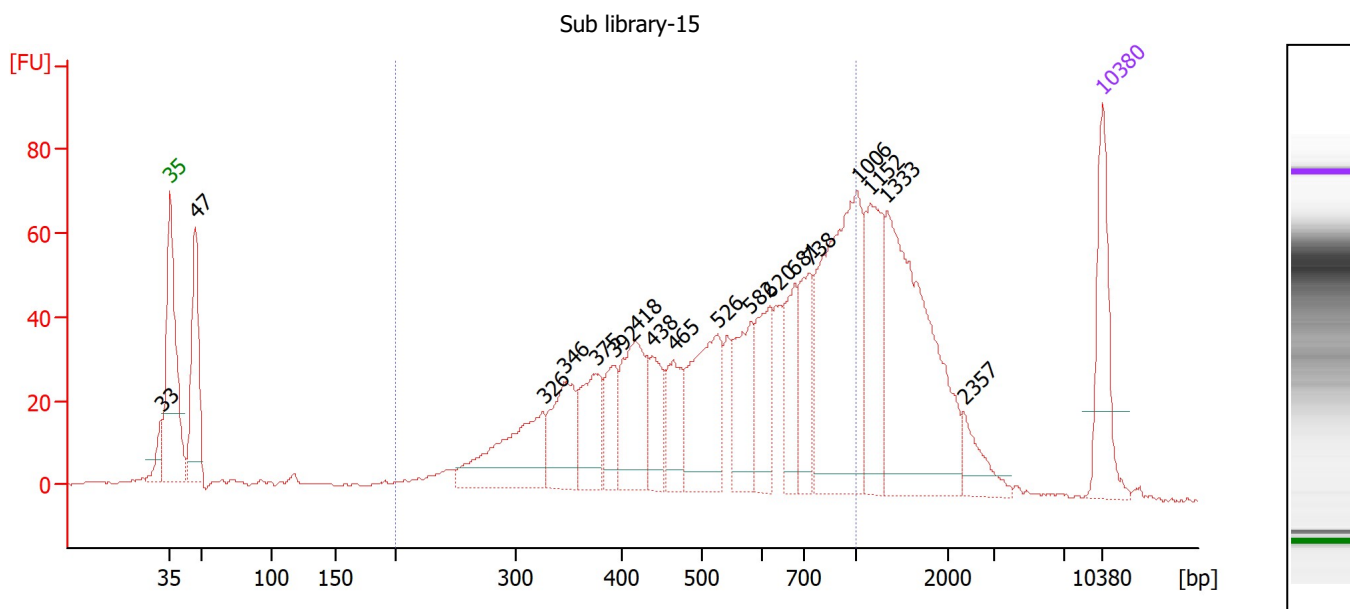
Region table for sample 3 : Sub library-14

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	1,047.0	67	567	35.3	1,355.47	4,375.2	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...oanalyzer\2100 expert\data\2025-09-19\Custom0112 cDNA-2.xad

Created: 9/19/2025 8:39:58 AM
 Modified: 9/19/2025 1:56:22 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : Sub library-15

Number of peaks found: 18 Corr. Area 1: 1,146.1
 Noise: 0.3

Peak table for sample 4 : Sub library-15

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	33	0.00	0.0	
2	35	125.00	5,411.3	Lower Marker
3	47	146.30	4,689.8	
4	326	137.78	641.1	
5	346	90.98	398.0	
6	375	83.05	335.3	
7	392	50.93	196.7	
8	418	113.29	410.7	
9	438	54.94	190.0	
10	465	64.98	211.6	
11	526	135.21	389.5	
12	582	77.87	202.9	
13	620	69.35	169.4	
14	681	63.92	142.3	
15	738	67.81	139.2	
16	1,006	256.01	385.4	
17	1,152	103.79	136.5	
18	1,333	266.24	302.7	
19	2,357	30.52	19.6	
20	10,380	75.00	10.9	Upper Marker

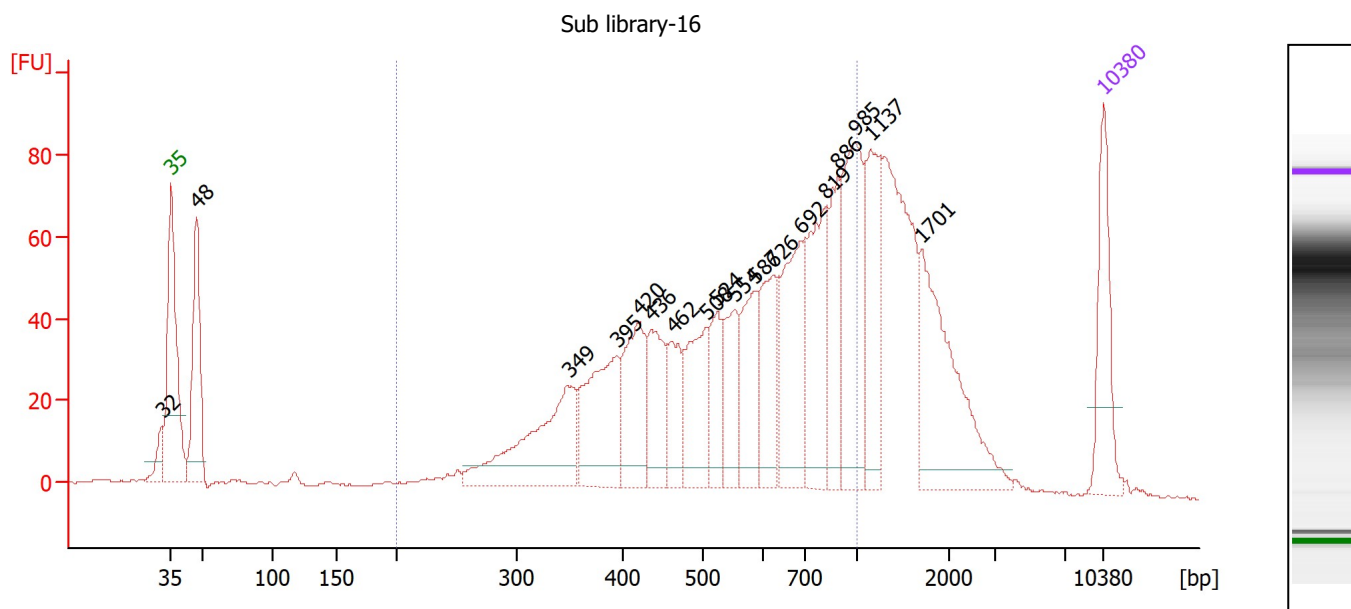
Region table for sample 4 : Sub library-15

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	1,146.1	66	568	35.2	1,418.67	4,559.9	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...oanalyzer\2100 expert\data\2025-09-19\Custom0112 cDNA-2.xad

Created: 9/19/2025 8:39:58 AM
 Modified: 9/19/2025 1:56:22 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : Sub library-16

Number of peaks found: 18 Corr. Area 1: 1,258.0
 Noise: 0.2

Peak table for sample 5 : Sub library-16

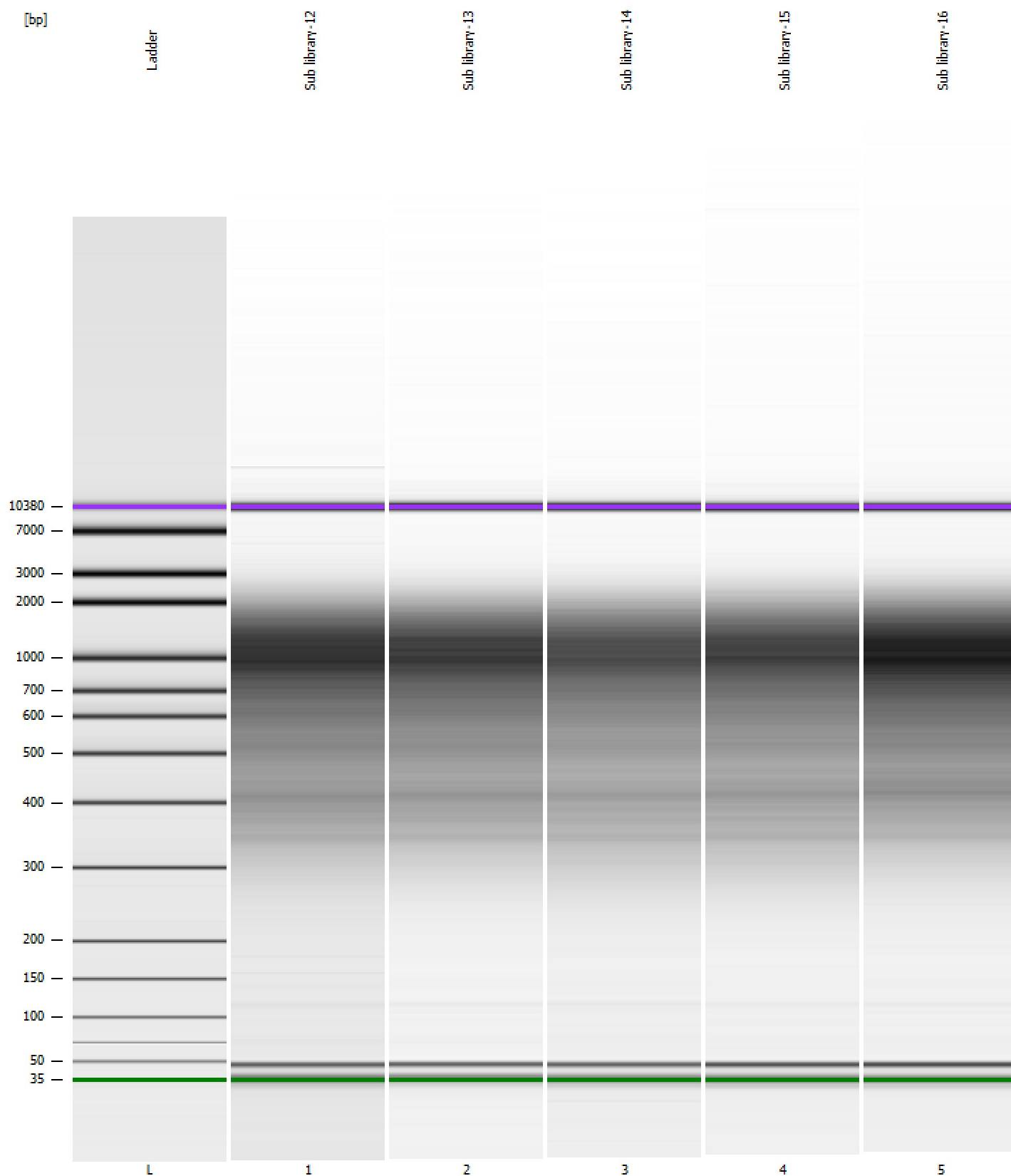
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	32	0.00	0.0	
2	35	125.00	5,411.3	Lower Marker
3	48	162.70	5,179.7	
4	349	185.10	804.2	
5	395	143.72	551.2	
6	420	112.21	404.5	
7	436	86.97	302.1	
8	462	64.24	210.7	
9	508	100.23	299.1	
10	524	61.10	176.8	
11	554	73.86	202.0	
12	587	83.82	216.2	
13	626	94.67	229.1	
14	692	138.25	302.8	
15	819	133.08	246.1	
16	886	87.87	150.2	
17	985	163.51	251.6	
18	1,137	100.17	133.5	
19	1,701	170.52	151.9	
20	10,380	75.00	10.9	Upper Marker

Region table for sample 5 : Sub library-16

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	1,258.0	65	585	33.5	1,599.09	4,896.7	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...oanalyzer\2100 expert\data\2025-09-19\Custom0112 cDNA-2.xad

Created: 9/19/2025 8:39:58 AM
Modified: 9/19/2025 1:56:22 PM

Gel Image

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...oanalyzer\2100 expert\data\2025-09-19\Custom0112 cDNA-2.xad

Created: 9/19/2025 8:39:58 AM
 Modified: 9/19/2025 1:56:22 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		9/19/2025 9:21:20 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\2025-09-19\Bioanalyzer1_High Sensitivity DNA Assay_DE34903152_2025-09-19_001.xad)		Instrument	Run		9/19/2025 8:40:07 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		9/19/2025 8:40:07 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		9/19/2025 8:40:07 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		9/19/2025 8:40:07 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		9/19/2025 8:40:07 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		9/19/2025 8:40:07 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		9/19/2025 8:40:07 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB