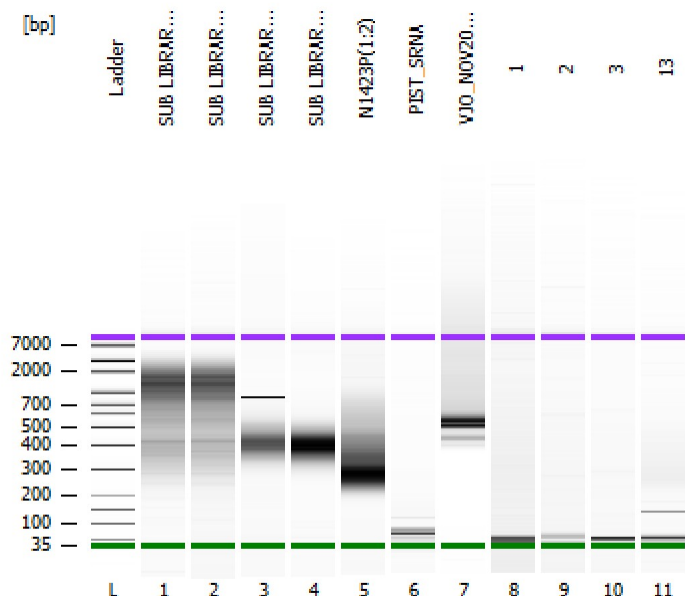


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-11-25_002.xad

Created: 11/25/2025 9:28:38 AM
Modified: 11/25/2025 10:09:54 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

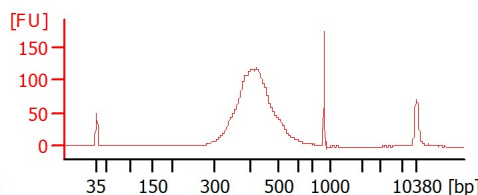
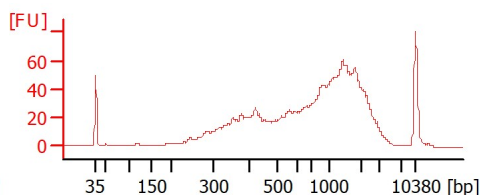
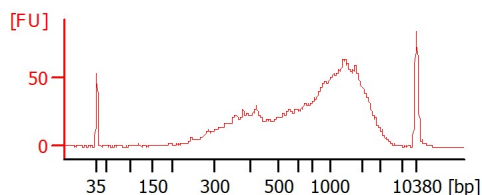
Chip Information:

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

SUB LIBRARY-1 cDNA

SUB LIBRARY-2 cDNA

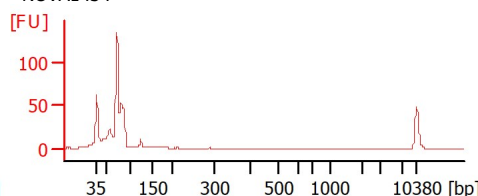
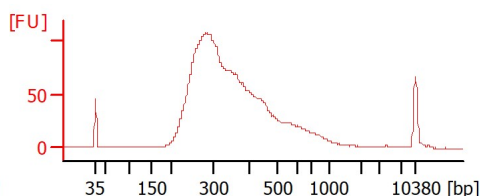
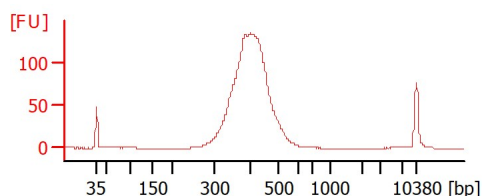
SUB LIBRARY-1 Library



SUB LIBRARY-2 Library

N1423P(1:2)

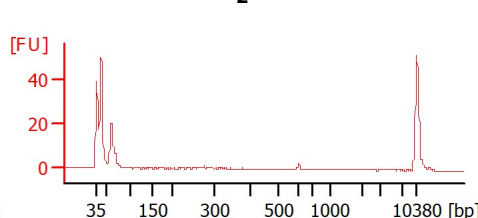
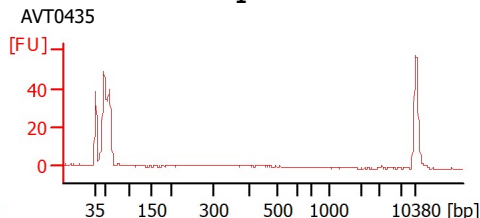
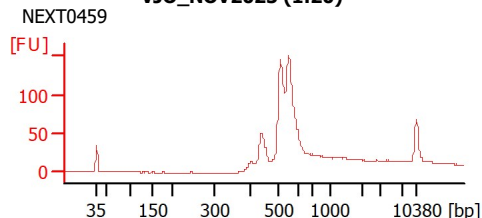
PIST_SRNA



VJO_NOV2025 (1:20)

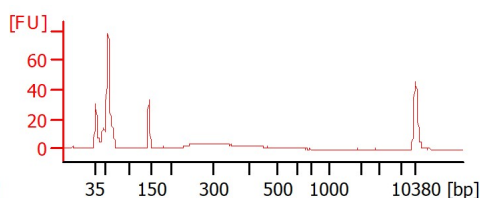
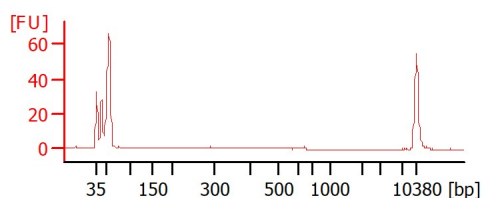
1

2



3

13



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-11-25_002.xad

Created: 11/25/2025 9:28:38 AM
 Modified: 11/25/2025 10:09:54 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
SUB LIBRARY-1 cDNA		☐	✓			
SUB LIBRARY-2 cDNA		☐	✓			
SUB LIBRARY-1 Library		☐	✓			
SUB LIBRARY-2 Library		☐	✓			
N1423P(1:2)		☐	✓			
PIST_SRNA	NOVA1434	☐	✓			
VJO_NOV2025 (1:20)	NEXT0459	☐	✓			
1	AVT0435	☐	✓			
2		☐	✓			
3		☐	✓			
13		☐	✓			
Ladder		☐	✓			

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-11-25_002.xad

Created: 11/25/2025 9:28:38 AM
 Modified: 11/25/2025 10:09:54 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

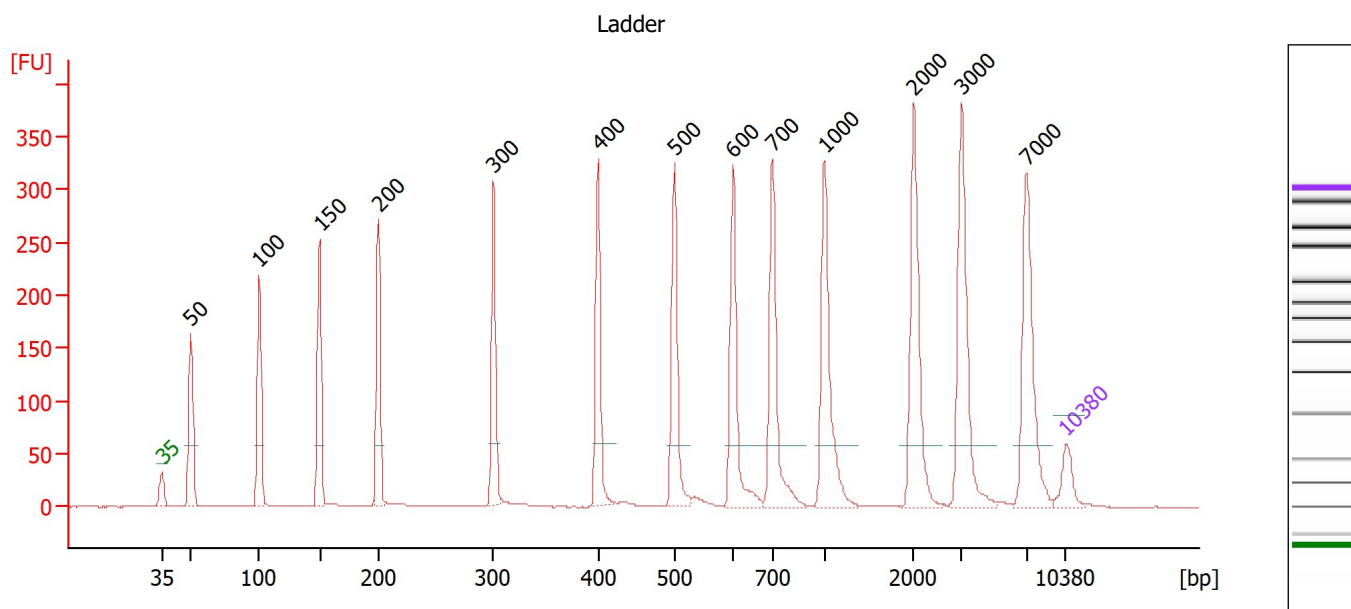
Ladder

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_2025-11-25_002.xad

Created: 11/25/2025 9:28:38 AM
Modified: 11/25/2025 10:09:54 AM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.1

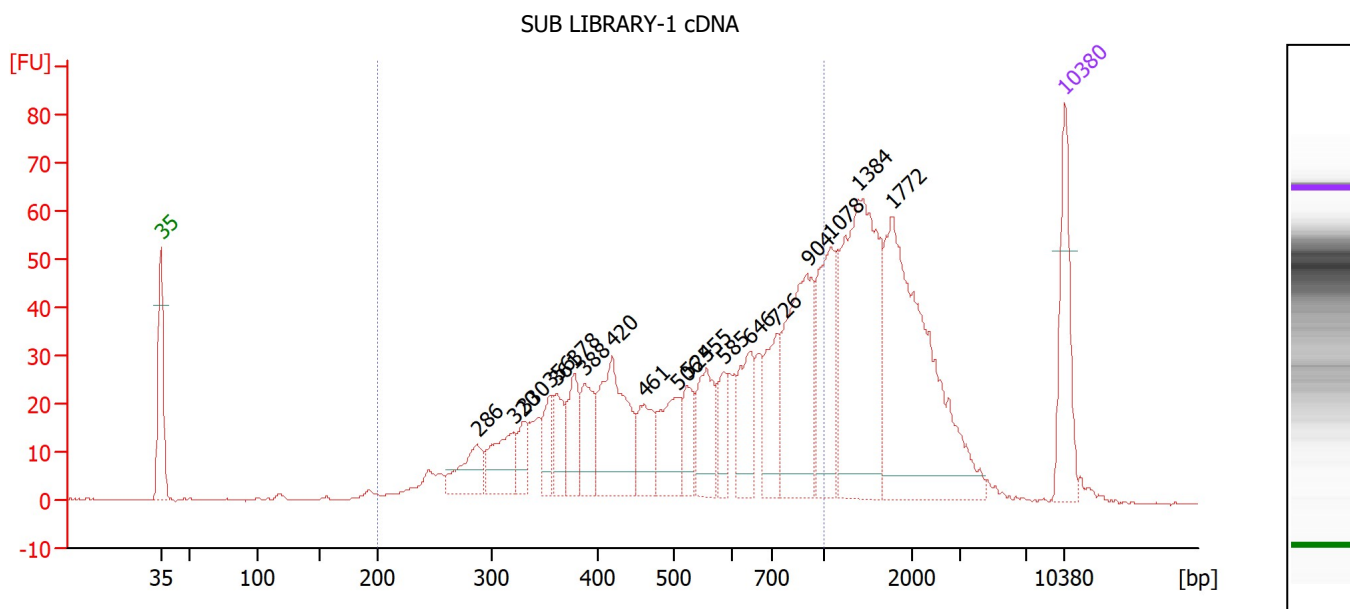
Peak table for Ladder

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_2025-11-25_002.xad

Created: 11/25/2025 9:28:38 AM
Modified: 11/25/2025 10:09:54 AM

Electropherogram Summary Continued ...



Overall Results for sample 1 : SUB LIBRARY-1 cDNA

Number of peaks found: 19 Corr. Area 1: 825.6
Noise: 0.2

Peak table for sample 1 : SUB LIBRARY-1 cDNA

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	286	54.87	290.3	
3	320	64.80	307.3	
4	330	31.72	145.6	
5	356	36.86	157.1	
6	361	41.31	173.2	
7	378	52.23	209.3	
8	388	53.61	209.3	
9	420	136.63	492.6	
10	461	56.78	186.8	
11	506	68.54	205.2	
12	524	39.39	113.9	
13	555	70.96	193.7	
14	585	36.33	94.0	
15	646	69.49	163.1	
16	726	72.09	150.4	
17	904	163.07	273.2	
18	1,078	113.79	160.0	
19	1,384	262.21	287.1	
20	1,772	286.88	245.3	
21	10,380	75.00	10.9	Upper Marker

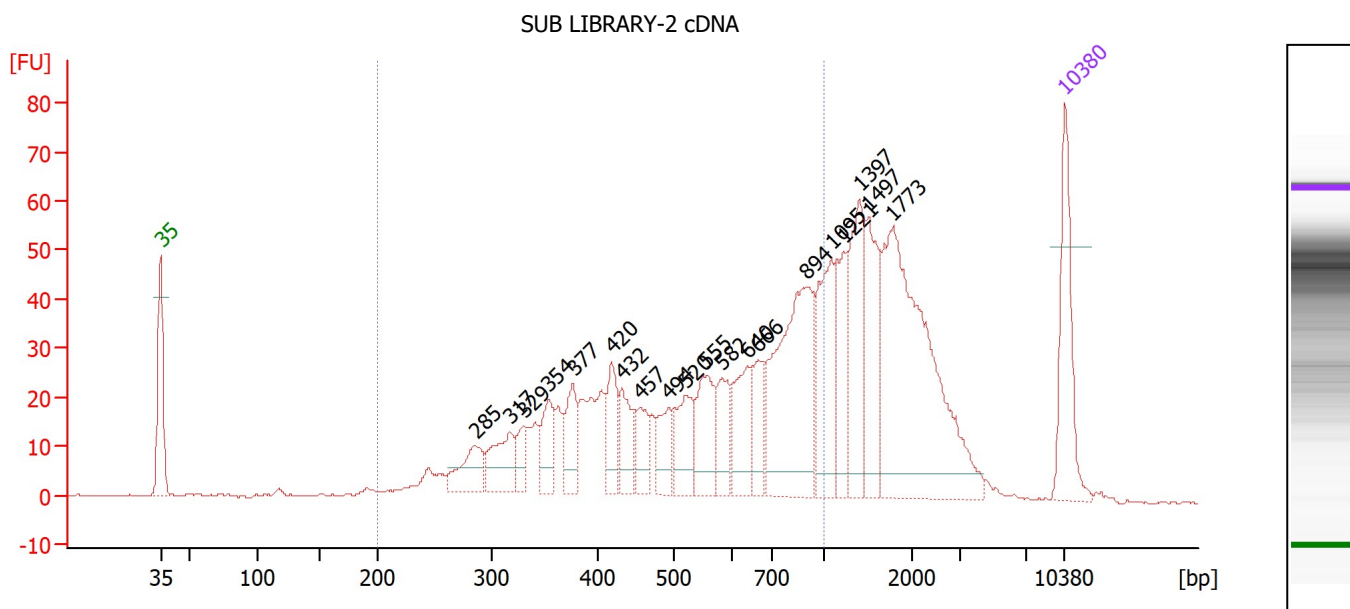
Region table for sample 1 : SUB LIBRARY-1 cDNA

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	825.6	61	557	37.1	1,353.41	4,498.6	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-11-25_002.xad

Created: 11/25/2025 9:28:38 AM
 Modified: 11/25/2025 10:09:54 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 : SUB LIBRARY-2 cDNA

Number of peaks found: 20 Corr. Area 1: 746.9
 Noise: 0.3

Peak table for sample 2 : SUB LIBRARY-2 cDNA

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	285	48.66	259.1	
3	317	54.13	259.1	
4	329	23.53	108.2	
5	354	40.87	175.0	
6	377	44.03	176.8	
7	420	44.86	161.9	
8	432	38.41	134.6	
9	457	33.41	110.8	
10	494	33.56	103.0	
11	520	56.38	164.4	
12	555	61.90	168.9	
13	582	39.08	101.8	
14	640	61.25	145.1	
15	666	37.53	85.3	
16	894	191.69	324.7	
17	1,095	93.36	129.1	
18	1,221	54.81	68.0	
19	1,397	92.65	100.5	
20	1,497	79.51	80.5	
21	1,773	273.56	233.7	
22	10,380	75.00	10.9	Upper Marker

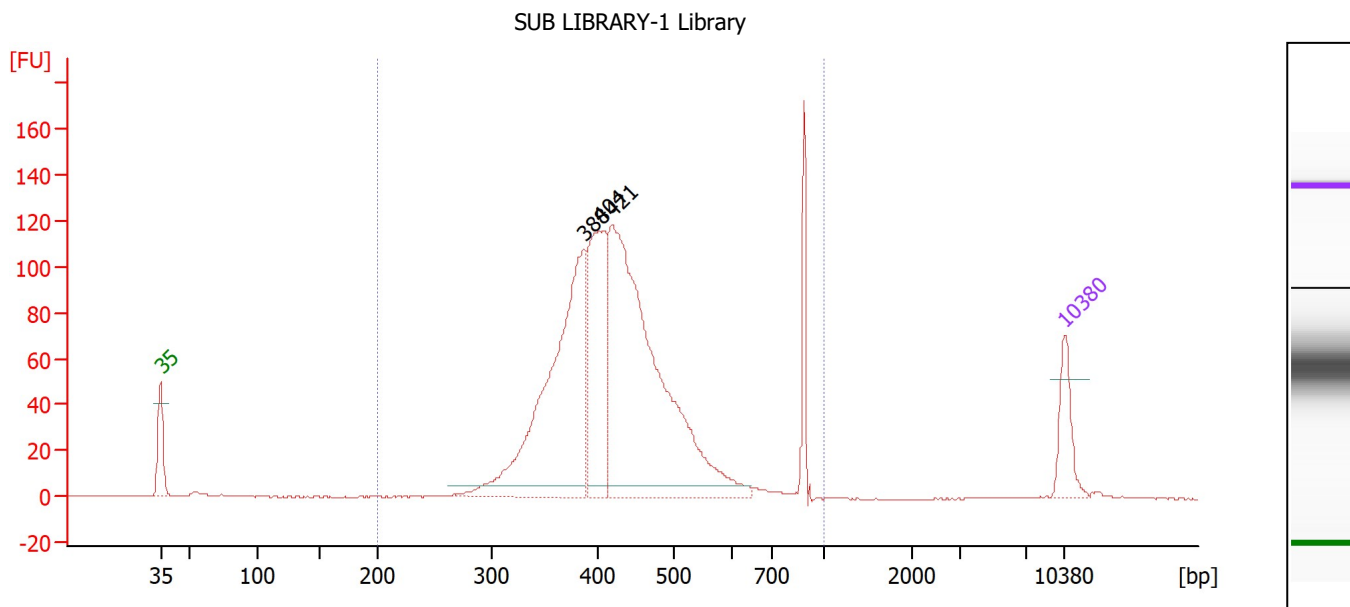
Region table for sample 2 : SUB LIBRARY-2 cDNA

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	746.9	60	558	37.1	1,172.85	3,897.5	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-11-25_002.xad

Created: 11/25/2025 9:28:38 AM
Modified: 11/25/2025 10:09:54 AM

Electropherogram Summary Continued ...



Overall Results for sample 3 : SUB LIBRARY-1 Library

Number of peaks found: 3 Corr. Area 1: 1,371.6
Noise: 0.1

Peak table for sample 3 : SUB LIBRARY-1 Library

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	388	733.60	2,867.7	
3	404	371.75	1,394.4	
4	421	1,063.79	3,830.7	
5	10,380	75.00	10.9	Upper Marker

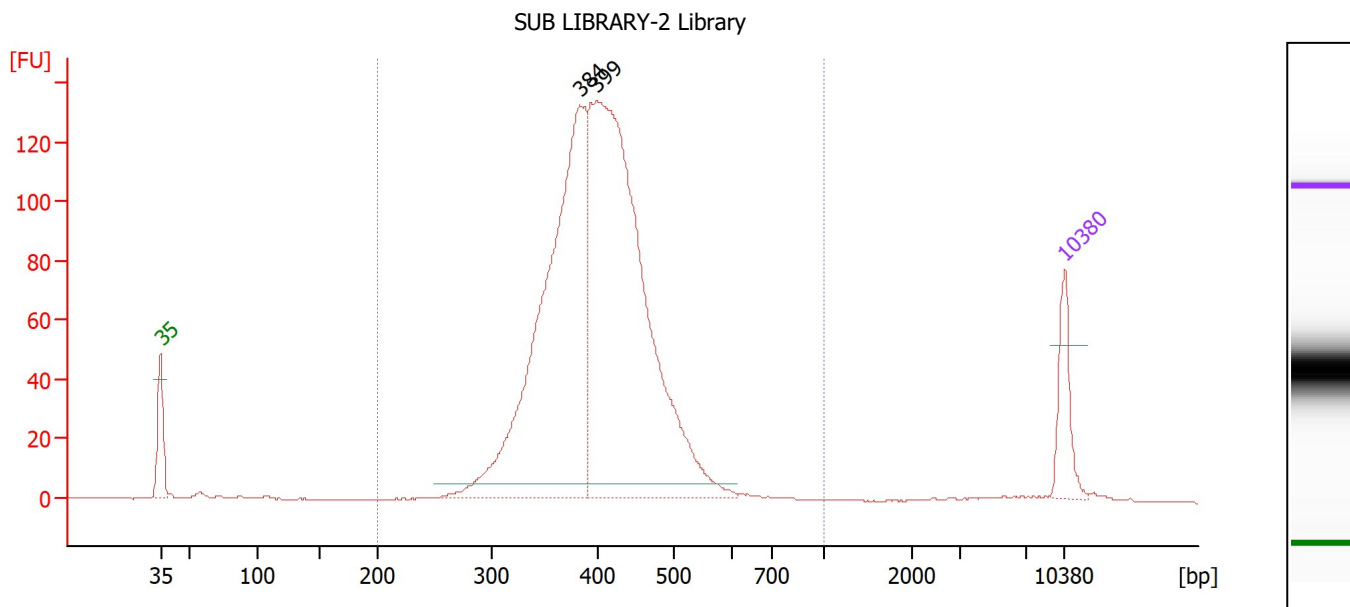
Region table for sample 3 : SUB LIBRARY-1 Library

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	1,371.6	98	444	26.4	2,317.47	8,395.5	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-11-25_002.xad

Created: 11/25/2025 9:28:38 AM
Modified: 11/25/2025 10:09:54 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : SUB LIBRARY-2 Library

Number of peaks found: 2 Corr. Area 1: 1,486.6
Noise: 0.1

Peak table for sample 4 : SUB LIBRARY-2 Library

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	384	1,034.96	4,086.7	
3	399	1,356.32	5,146.5	
4	10,380	75.00	10.9	Upper Marker

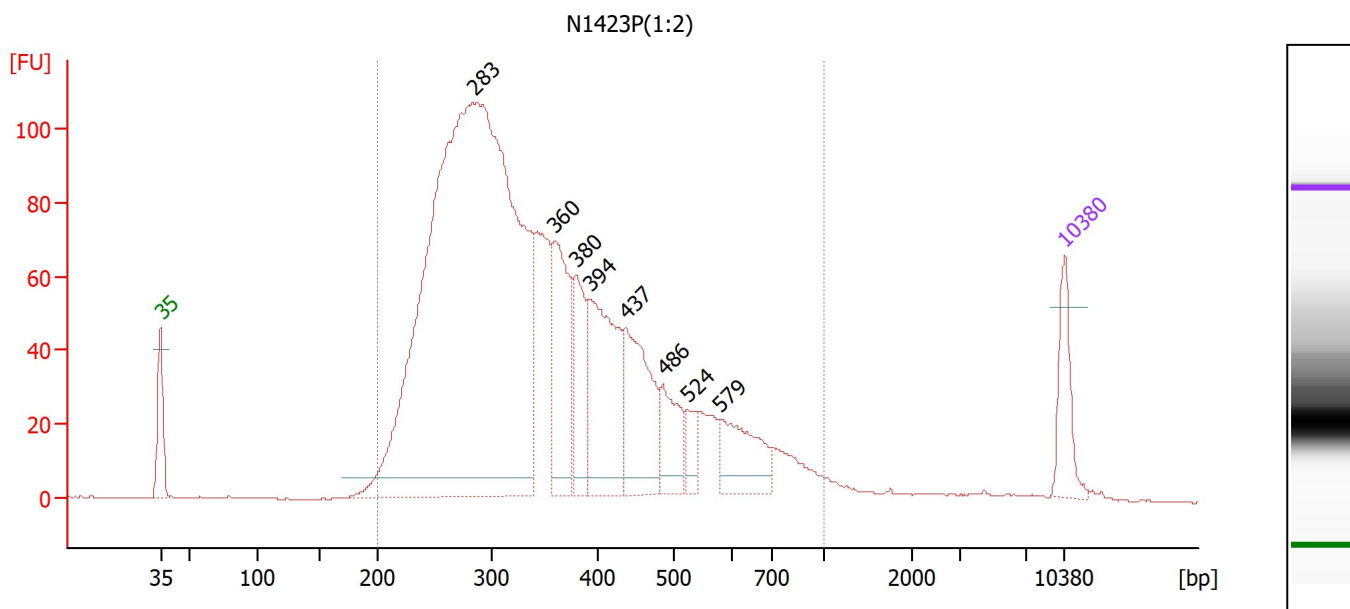
Region table for sample 4 : SUB LIBRARY-2 Library

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	1,486.6	98	407	14.9	2,466.69	9,405.4	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-11-25_002.xad

Created: 11/25/2025 9:28:38 AM
Modified: 11/25/2025 10:09:54 AM

Electropherogram Summary Continued ...



Overall Results for sample 5 : N1423P(1:2)

Number of peaks found: 8 Corr. Area 1: 2,106.4
Noise: 0.2

Peak table for sample 5 : N1423P(1:2)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	283	2,547.73	13,616.8	
3	360	243.24	1,024.9	
4	380	147.42	587.5	
5	394	307.29	1,182.0	
6	437	230.43	798.3	
7	486	103.43	322.4	
8	524	36.38	105.2	
9	579	125.17	327.3	
10	10,380	75.00	10.9	Upper Marker

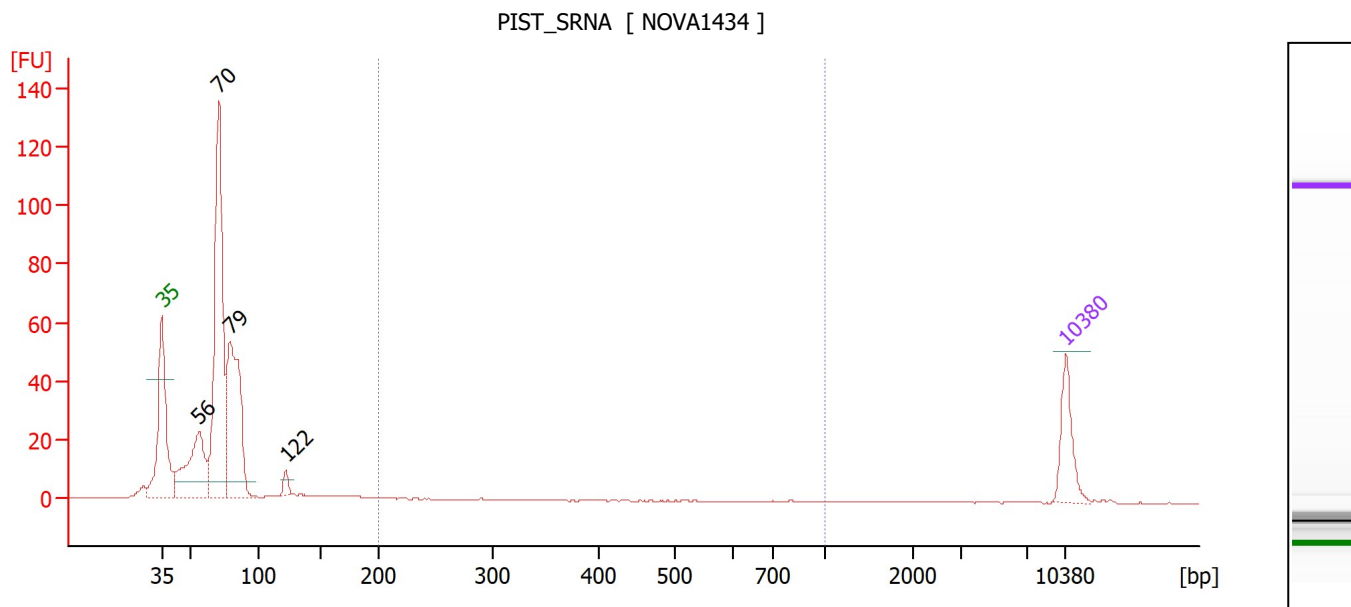
Region table for sample 5 : N1423P(1:2)

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	2,106.4	97	366	35.0	4,239.06	19,882.8	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-11-25_002.xad

Created: 11/25/2025 9:28:38 AM
Modified: 11/25/2025 10:09:54 AM

Electropherogram Summary Continued ...



Overall Results for sample 6 : PIST_SRNA

Number of peaks found: 4 Corr. Area 1: 3.9
Noise: 0.1

Peak table for sample 6 : PIST_SRNA

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	56	253.75	6,839.0	
3	70	655.47	14,098.2	
4	79	422.75	8,134.3	
5	122	23.97	298.2	Upper Marker
6	10,380	75.00	10.9	

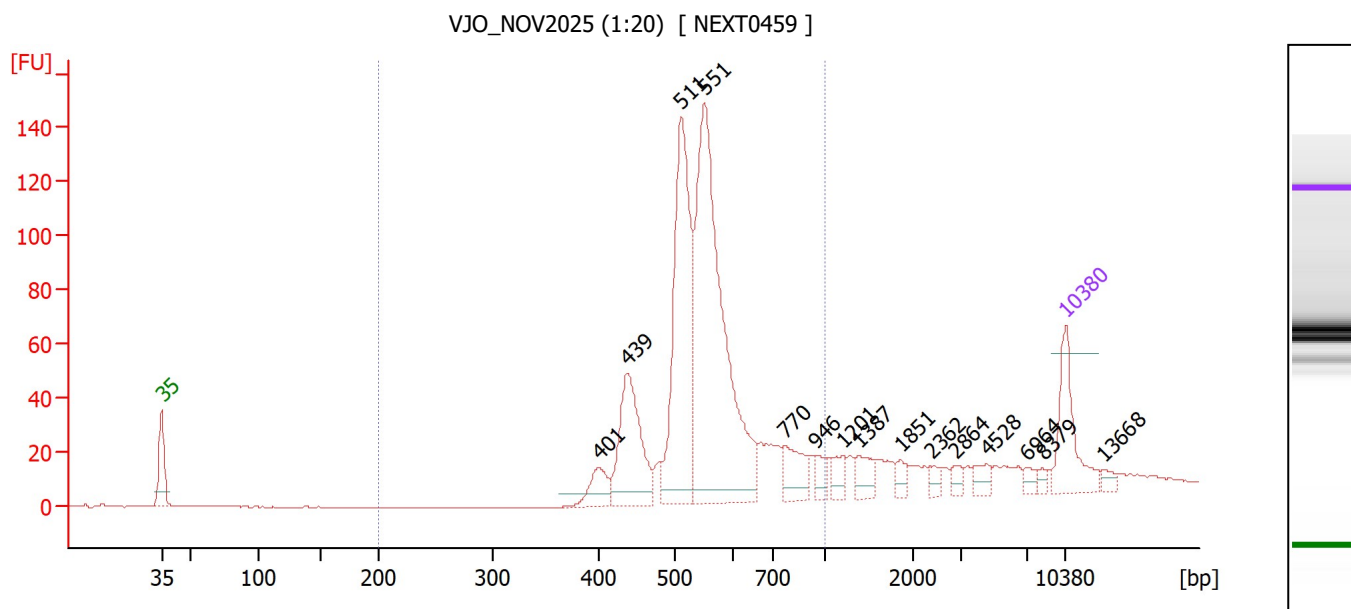
Region table for sample 6 : PIST_SRNA

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	3.9	1	311	55.9	11.55	68.7	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-11-25_002.xad

Created: 11/25/2025 9:28:38 AM
Modified: 11/25/2025 10:09:54 AM

Electropherogram Summary Continued ...



Overall Results for sample 7 : VJO_NOV2025 (1:20)

Number of peaks found: 15 Corr. Area 1: 890.2
Noise: 0.1

Peak table for sample 7 : VJO_NOV2025 (1:20)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	401	42.93	162.3	
3	439	165.29	571.1	
4	511	354.53	1,050.8	
5	551	554.66	1,526.2	
6	770	52.99	104.3	
7	946	18.43	29.5	
8	1,201	18.13	22.9	
9	1,387	27.86	30.4	
10	1,851	12.48	10.2	
11	2,362	9.39	6.0	
12	2,864	10.56	5.6	
13	4,528	16.21	5.4	
14	6,964	8.92	1.9	
15	8,379	7.16	1.3	
16	10,380	75.00	10.9	Upper Marker
17	13,668	0.00	0.0	

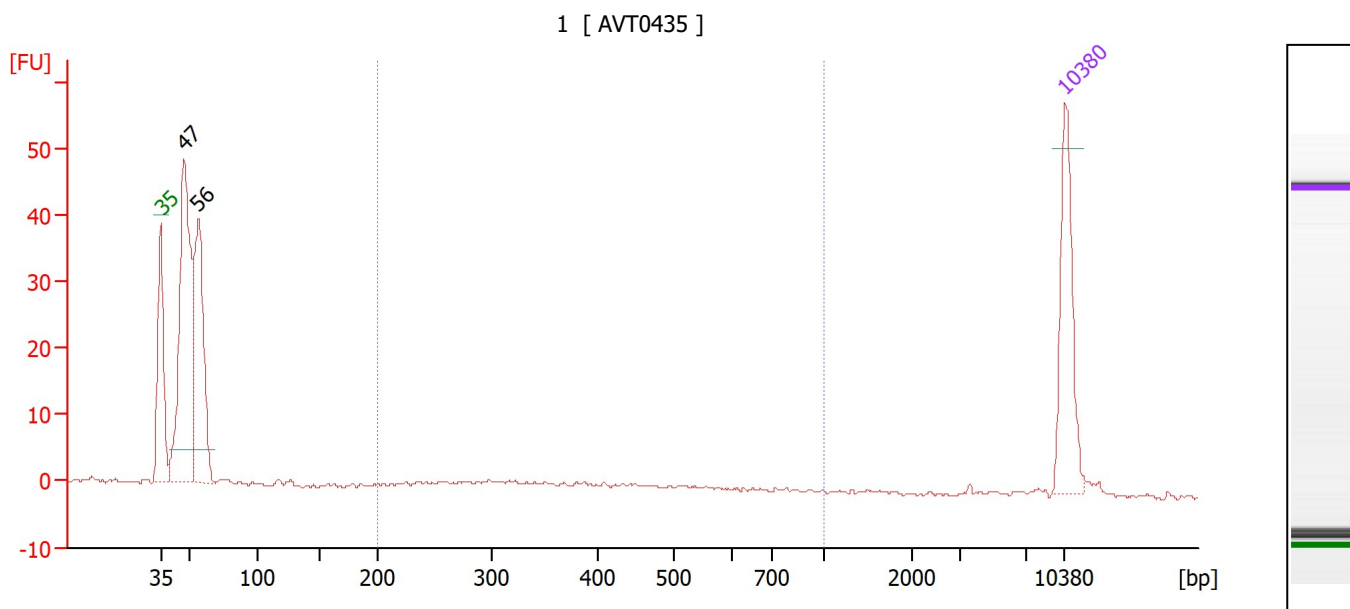
Region table for sample 7 : VJO_NOV2025 (1:20)

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	890.2	69	564	19.8	1,278.15	3,567.9	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-11-25_002.xad

Created: 11/25/2025 9:28:38 AM
 Modified: 11/25/2025 10:09:54 AM

Electropherogram Summary Continued ...



Overall Results for sample 8 : 1

Number of peaks found: 2 Corr. Area 1: 20.2
 Noise: 0.3

Peak table for sample 8 : 1

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	47	286.27	9,204.5	
3	56	188.14	5,064.1	
4	10,380	75.00	10.9	Upper Marker

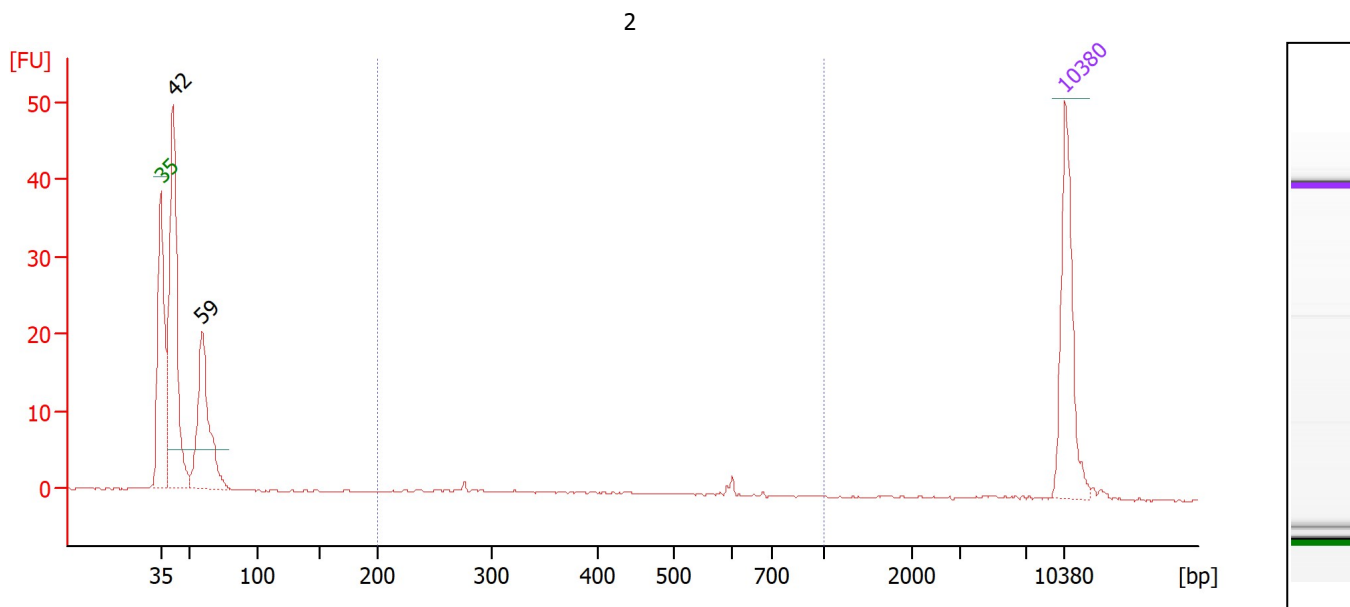
Region table for sample 8 : 1

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	20.2	10	410	37.5	43.30	187.4	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-11-25_002.xad

Created: 11/25/2025 9:28:38 AM
 Modified: 11/25/2025 10:09:54 AM

Electropherogram Summary Continued ...



Overall Results for sample 9 : 2

Number of peaks found: 2 Corr. Area 1: 4.2
 Noise: 0.1

Peak table for sample 9 : 2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	42	255.37	9,310.0	
3	59	137.93	3,540.5	
4	10,380	75.00	10.9	Upper Marker

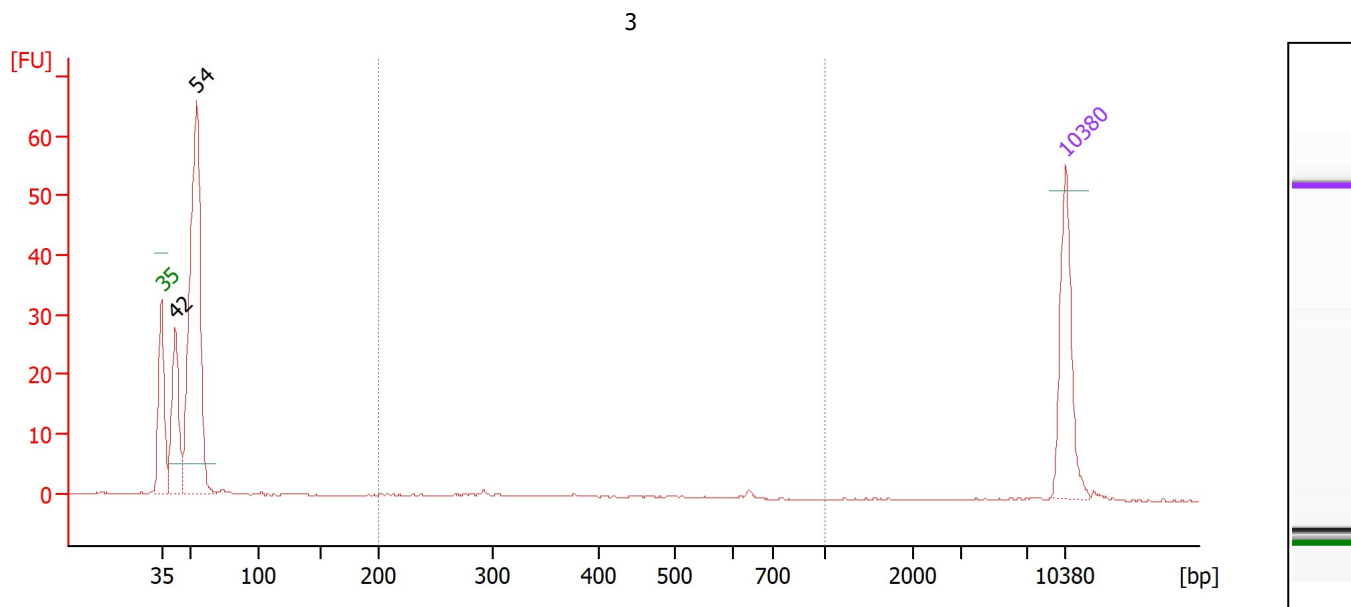
Region table for sample 9 : 2

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	4.2	4	409	35.4	10.90	48.4	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-11-25_002.xad

Created: 11/25/2025 9:28:38 AM
 Modified: 11/25/2025 10:09:54 AM

Electropherogram Summary Continued ...



Overall Results for sample 10 : 3

Number of peaks found: 2 Corr. Area 1: 8.1
 Noise: 0.1

Peak table for sample 10 : 3

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	42	118.80	4,283.9	
3	54	387.62	10,838.6	
4	10,380	75.00	10.9	Upper Marker

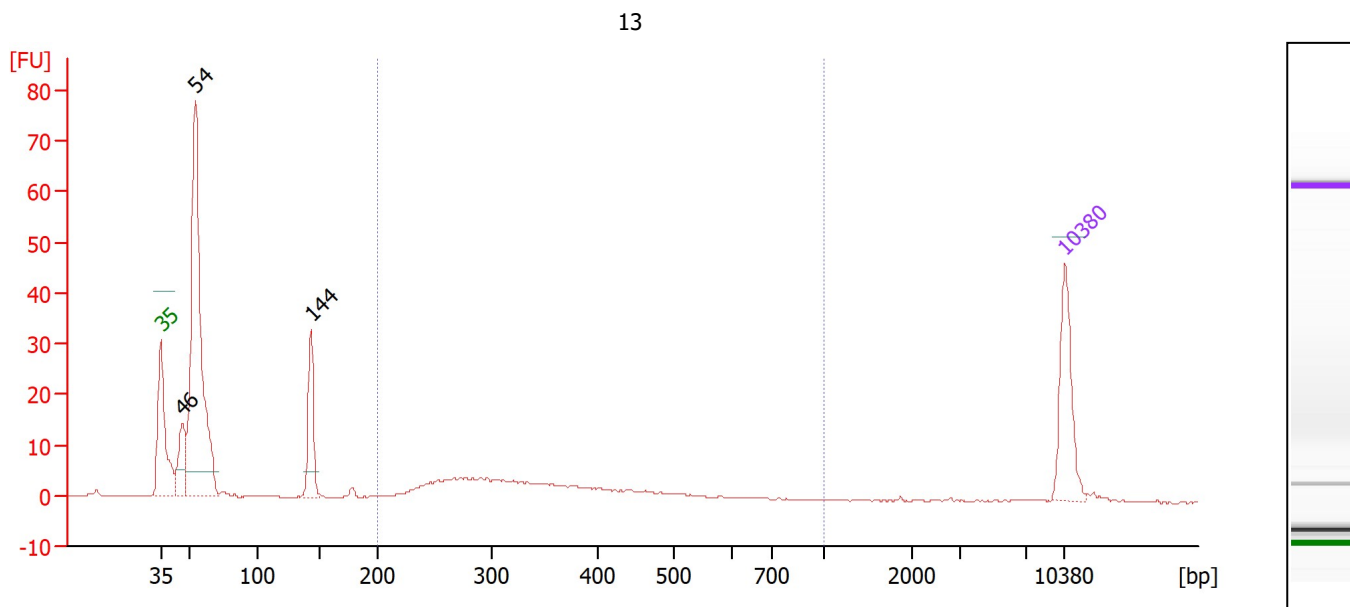
Region table for sample 10 : 3

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	8.1	5	390	34.7	19.71	89.6	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-11-25_002.xad

Created: 11/25/2025 9:28:38 AM
 Modified: 11/25/2025 10:09:54 AM

Electropherogram Summary Continued ...



Overall Results for sample 11 : 13

Number of peaks found: 3 Corr. Area 1: 71.1
 Noise: 0.1

Peak table for sample 11 : 13

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	46	69.78	2,295.6	
3	54	503.46	14,022.0	
4	144	93.31	983.6	
5	10,380	75.00	10.9	Upper Marker

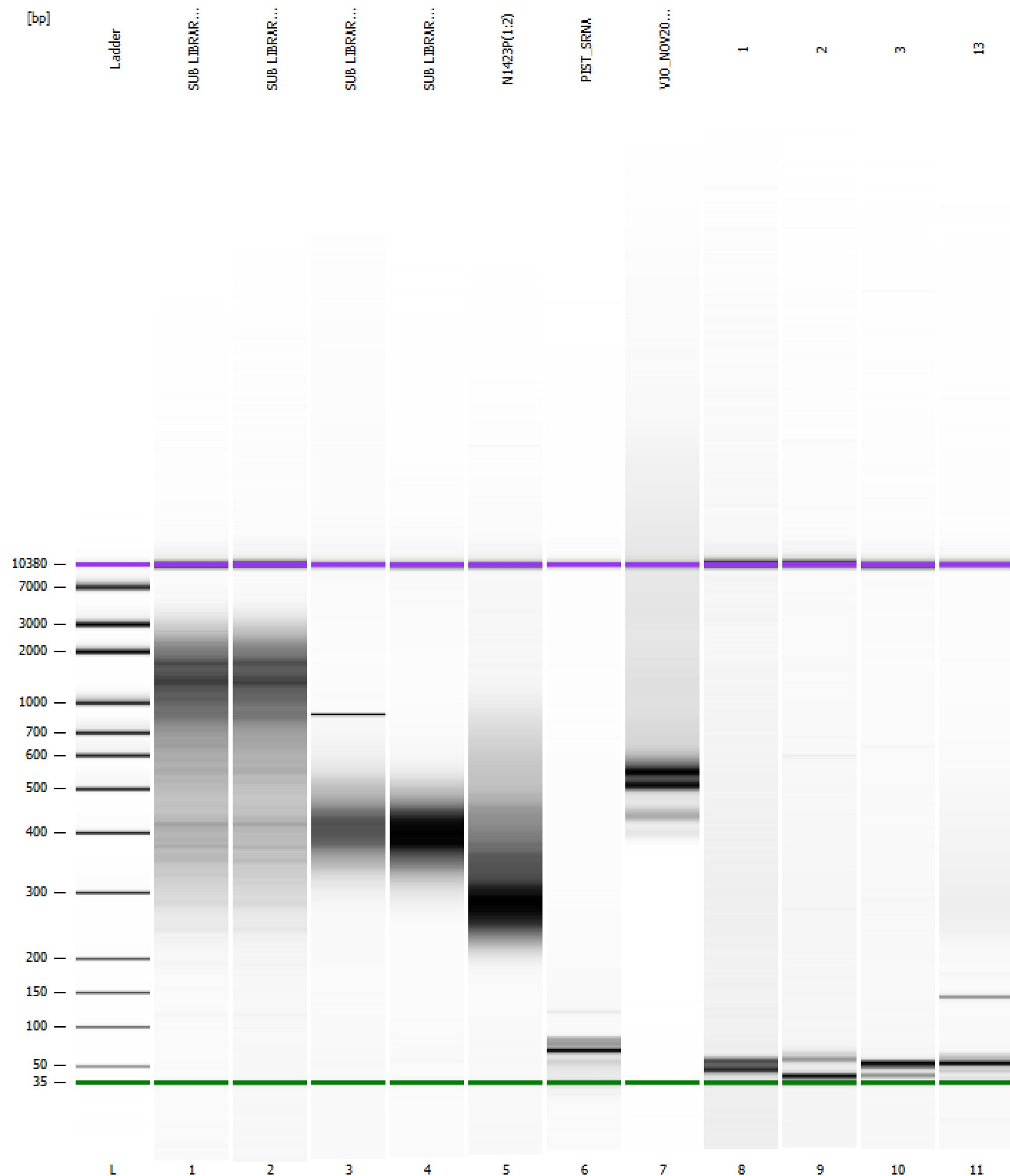
Region table for sample 11 : 13

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	71.1	28	344	26.4	210.19	1,004.2	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-11-25_002.xad

Created: 11/25/2025 9:28:38 AM
 Modified: 11/25/2025 10:09:54 AM

Gel Image



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-11-25_002.xad

Created: 11/25/2025 9:28:38 AM
 Modified: 11/25/2025 10:09:54 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		11/25/2025 10:09:02 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\data\2025-11-25\Bioanalyzer1_High Sensitivity DNA Assay_DE34903152_2025-11-25_002.xad)		Instrument	Run		11/25/2025 9:28:39 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		11/25/2025 9:28:39 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		11/25/2025 9:28:39 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		11/25/2025 9:28:39 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		11/25/2025 9:28:39 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		11/25/2025 9:28:39 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		11/25/2025 9:28:39 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB