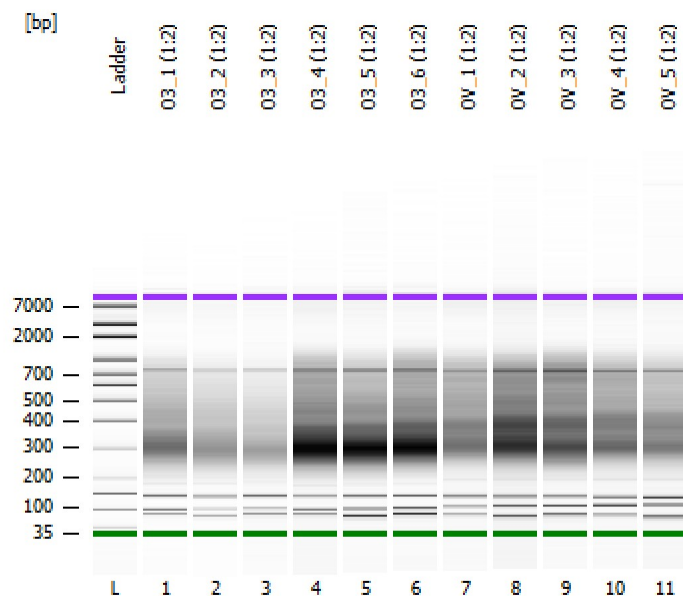


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-06-17_001.xad

Created: 6/17/2025 1:00:26 PM
Modified: 6/17/2025 2:47:10 PM

Electrophoresis File Run Summary



Instrument Information:

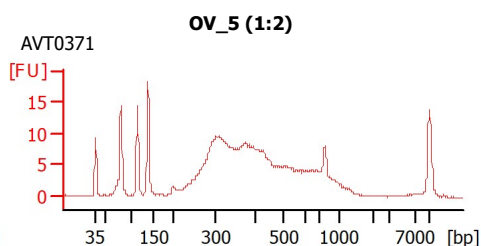
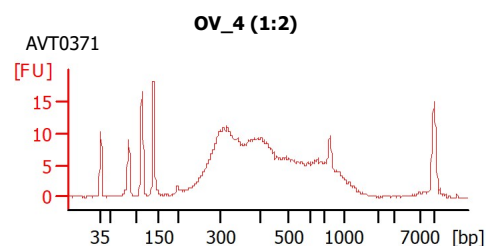
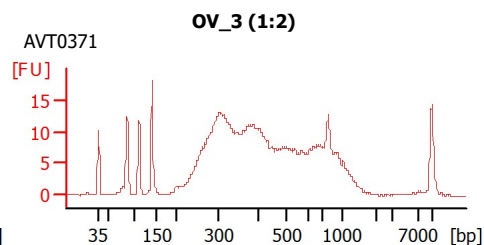
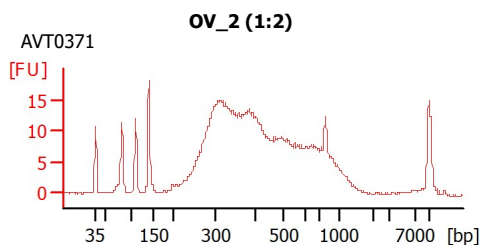
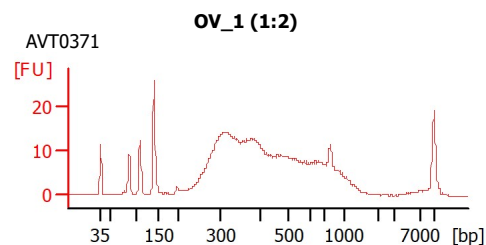
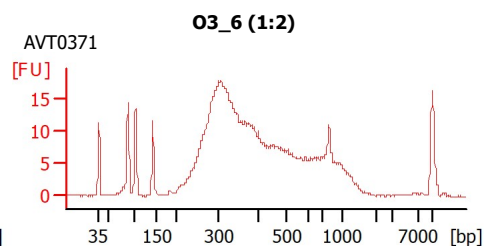
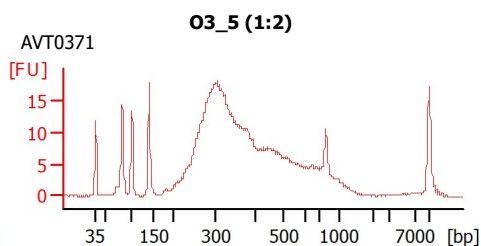
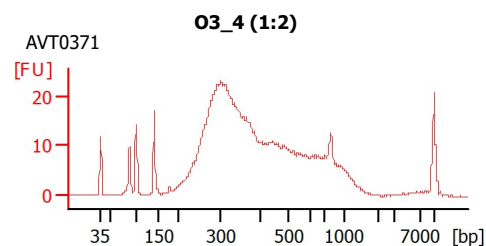
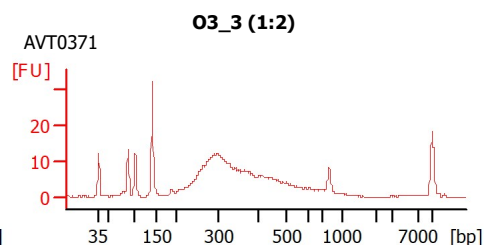
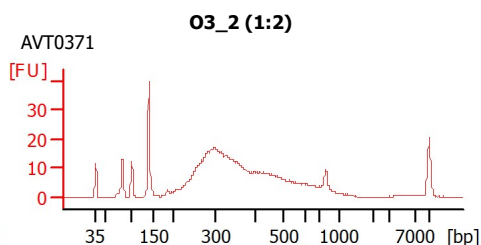
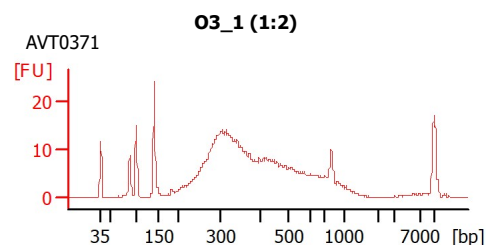
Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

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:



Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-06-17_001.xad

Created: 6/17/2025 1:00:26 PM
Modified: 6/17/2025 2:47:10 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status Observation	Result Label	Result Color
O3_1 (1:2)	AVT0371	☐	✓		
O3_2 (1:2)	AVT0371	☐	✓		
O3_3 (1:2)	AVT0371	☐	✓		
O3_4 (1:2)	AVT0371	☐	✓		
O3_5 (1:2)	AVT0371	☐	✓		
O3_6 (1:2)	AVT0371	☐	✓		
OV_1 (1:2)	AVT0371	☐	✓		
OV_2 (1:2)	AVT0371	☐	✓		
OV_3 (1:2)	AVT0371	☐	✓		
OV_4 (1:2)	AVT0371	☐	✓		
OV_5 (1:2)	AVT0371	☐	✓		
Ladder		☐	✓		

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

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-06-17_001.xad

Created: 6/17/2025 1:00:26 PM
 Modified: 6/17/2025 2:47:10 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

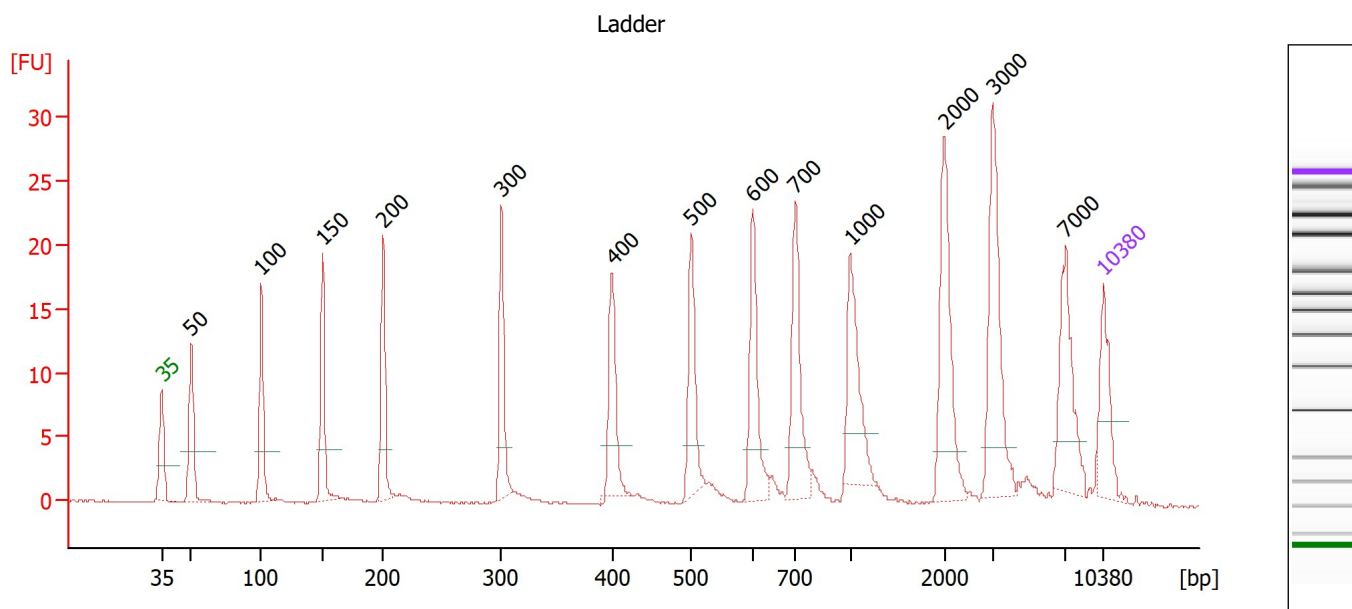
Ladder

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:\...r1_High Sensitivity DNA Assay_DE34903152_2025-06-17_001.xad

Created: 6/17/2025 1:00:26 PM
Modified: 6/17/2025 2:47:10 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.1

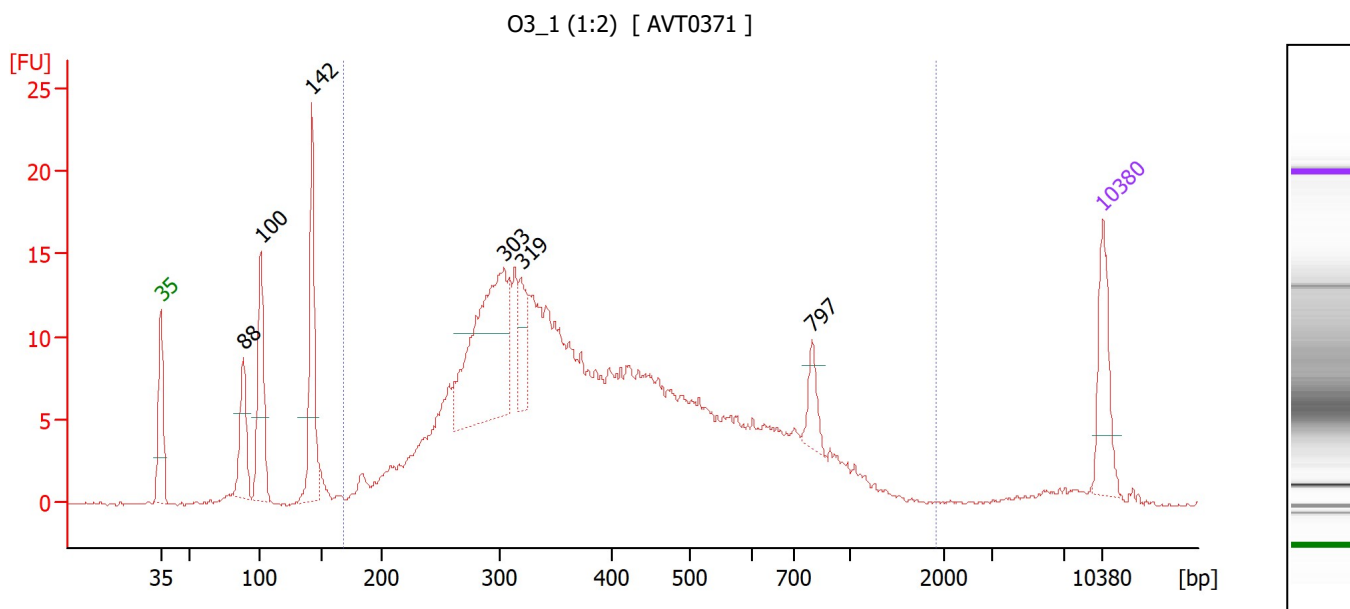
Peak table for Ladder

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_2025-06-17_001.xad

Created: 6/17/2025 1:00:26 PM
Modified: 6/17/2025 2:47:10 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : O3_1 (1:2)

Number of peaks found: 6
Noise: 0.1
Corr. Area 1: 341.7

Peak table for sample 1 : O3_1 (1:2)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	88	104.93	1,810.2	
3	100	175.94	2,658.9	
4	142	217.68	2,318.8	
5	303	344.49	1,722.9	
6	319	66.52	316.3	
7	797	38.23	72.7	
8	10,380	75.00	10.9	Upper Marker

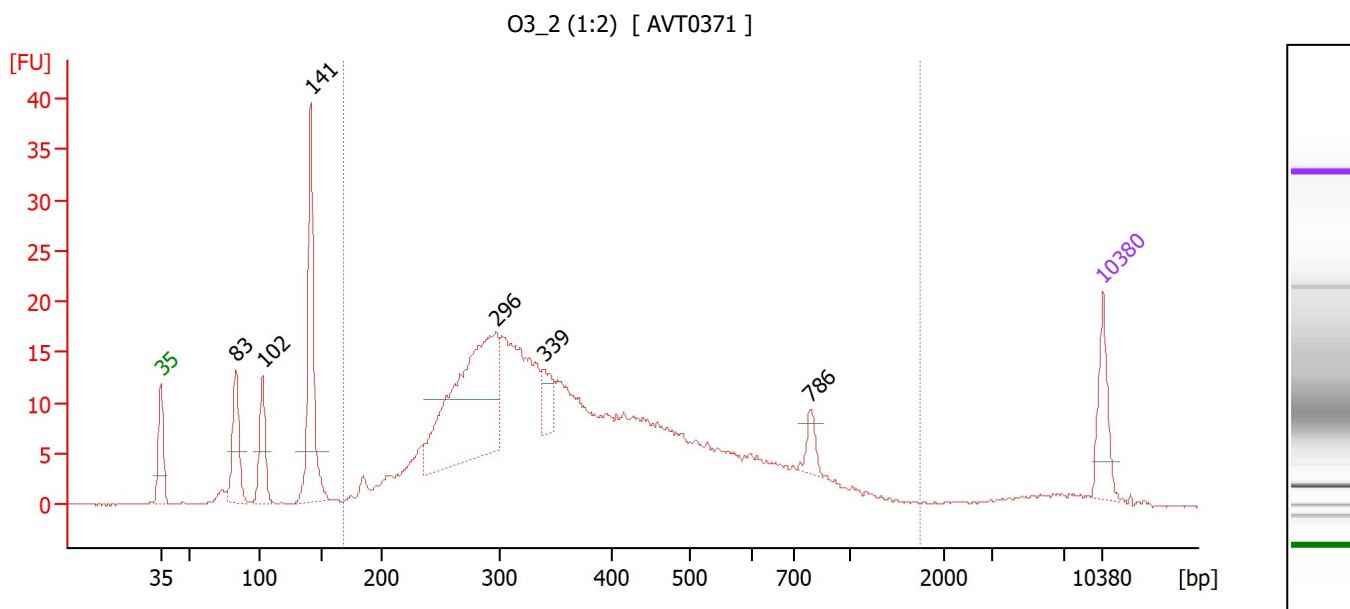
Region table for sample 1 : O3_1 (1:2)

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
168	1,927	341.7	86	433	47.0	2,822.03	12,159.3	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-06-17_001.xad

Created: 6/17/2025 1:00:26 PM
Modified: 6/17/2025 2:47:10 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : O3_2 (1:2)

Number of peaks found: 6 Corr. Area 1: 402.3
Noise: 0.1

Peak table for sample 2 : O3_2 (1:2)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	83	175.83	3,213.0	
3	102	148.63	2,214.1	
4	141	377.33	4,041.3	
5	296	590.35	3,021.4	
6	339	62.09	277.6	
7	786	37.64	72.6	
8	10,380	75.00	10.9	Upper Marker

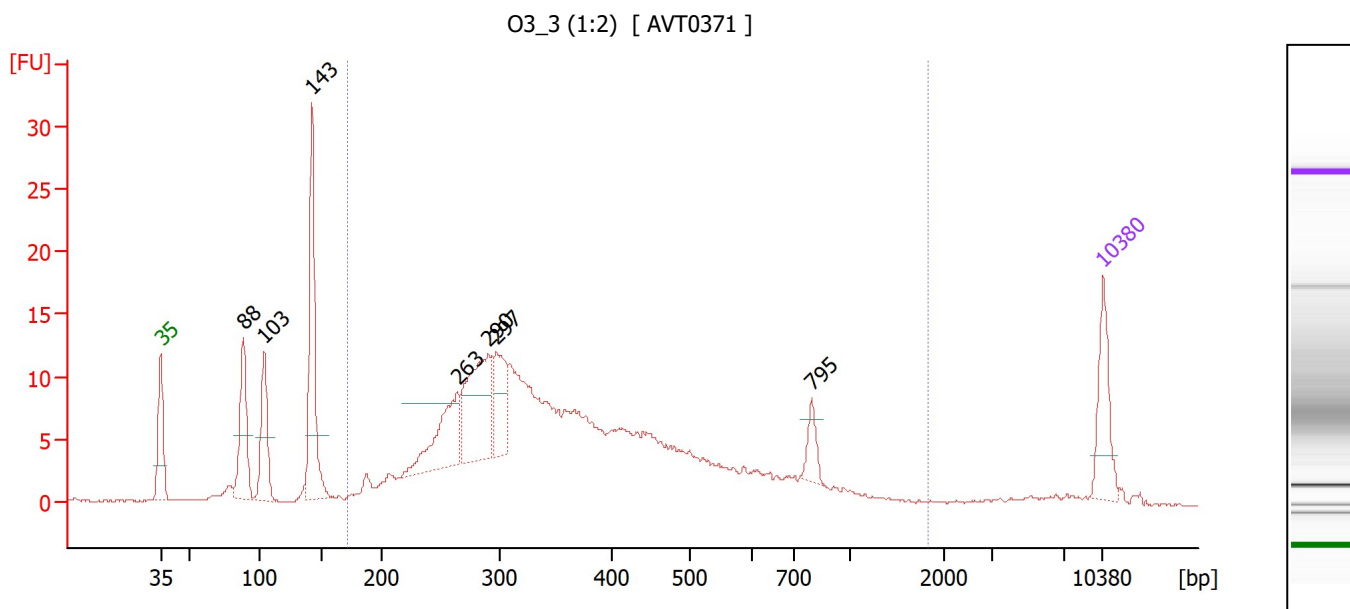
Region table for sample 2 : O3_2 (1:2)

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
168	1,748	402.3	83	408	45.9	3,286.20	14,785.9	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-06-17_001.xad

Created: 6/17/2025 1:00:26 PM
Modified: 6/17/2025 2:47:10 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : O3_3 (1:2)

Number of peaks found: 7 Corr. Area 1: 265.2
Noise: 0.1

Peak table for sample 3 : O3_3 (1:2)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	88	163.18	2,805.1	
3	103	139.21	2,051.5	
4	143	287.85	3,060.3	
5	263	155.24	893.4	
6	290	218.59	1,142.5	
7	297	98.13	501.1	
8	795	35.34	67.3	
9	10,380	75.00	10.9	Upper Marker

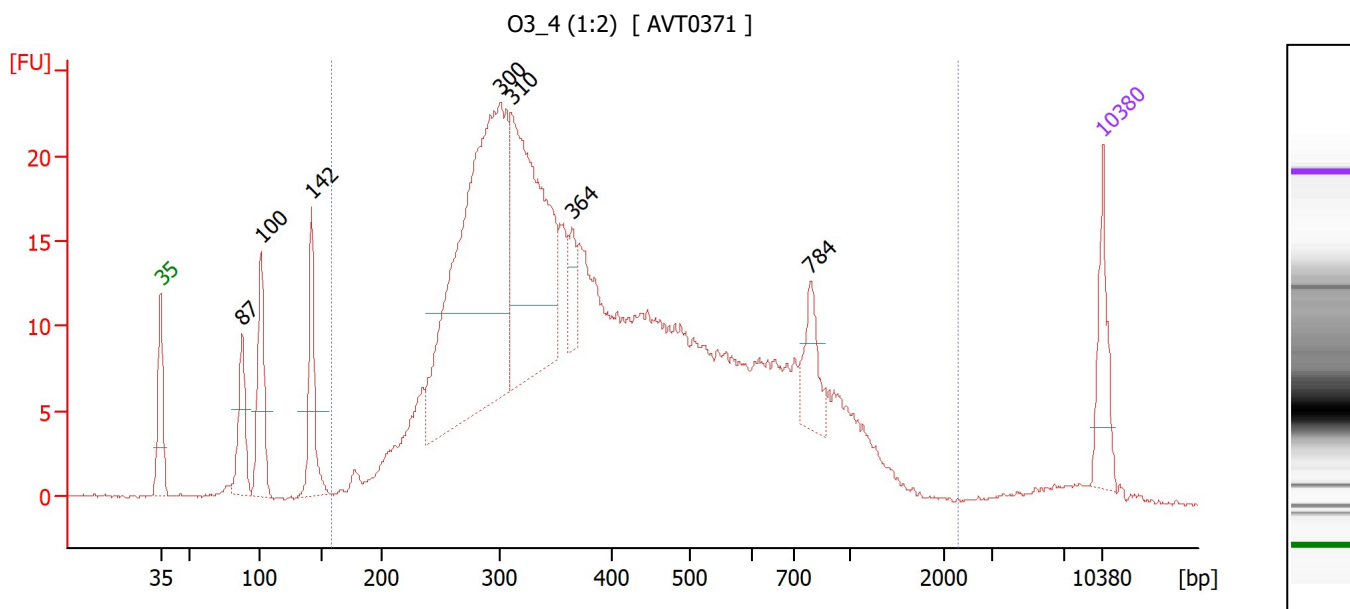
Region table for sample 3 : O3_3 (1:2)

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
172	1,832	265.2	78	404	47.7	2,164.60	9,863.4	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-06-17_001.xad

Created: 6/17/2025 1:00:26 PM
Modified: 6/17/2025 2:47:10 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : O3_4 (1:2)

Number of peaks found: 7 Corr. Area 1: 552.0
Noise: 0.1

Peak table for sample 4 : O3_4 (1:2)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	87	128.17	2,235.1	
3	100	182.50	2,761.6	
4	142	167.43	1,785.2	
5	300	961.35	4,862.5	
6	310	550.18	2,688.0	
7	364	50.12	208.5	
8	784	79.36	153.4	
9	10,380	75.00	10.9	Upper Marker

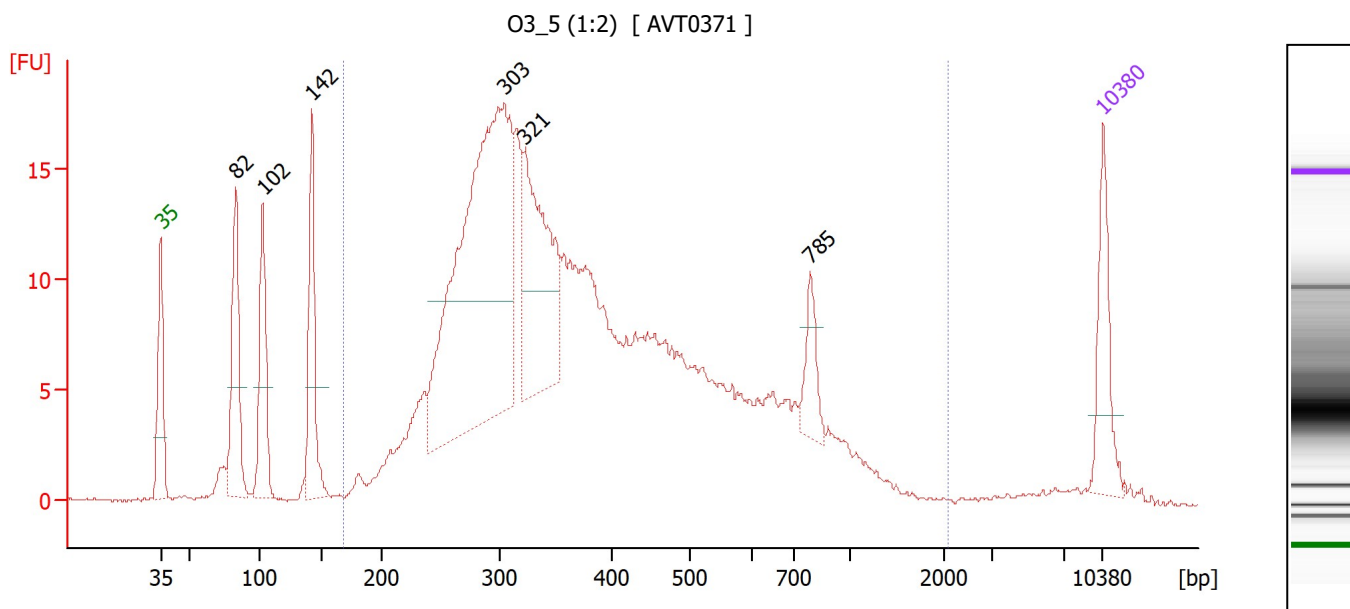
Region table for sample 4 : O3_4 (1:2)

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
159	2,313	552.0	91	447	52.2	4,648.81	19,957.8	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-06-17_001.xad

Created: 6/17/2025 1:00:26 PM
 Modified: 6/17/2025 2:47:10 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : O3_5 (1:2)

Number of peaks found: 6 Corr. Area 1: 380.4
 Noise: 0.1

Peak table for sample 5 : O3_5 (1:2)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	82	191.67	3,536.8	
3	102	162.55	2,412.4	
4	142	168.67	1,794.2	
5	303	786.96	3,932.2	
6	321	274.78	1,296.1	
7	785	51.36	99.2	
8	10,380	75.00	10.9	Upper Marker

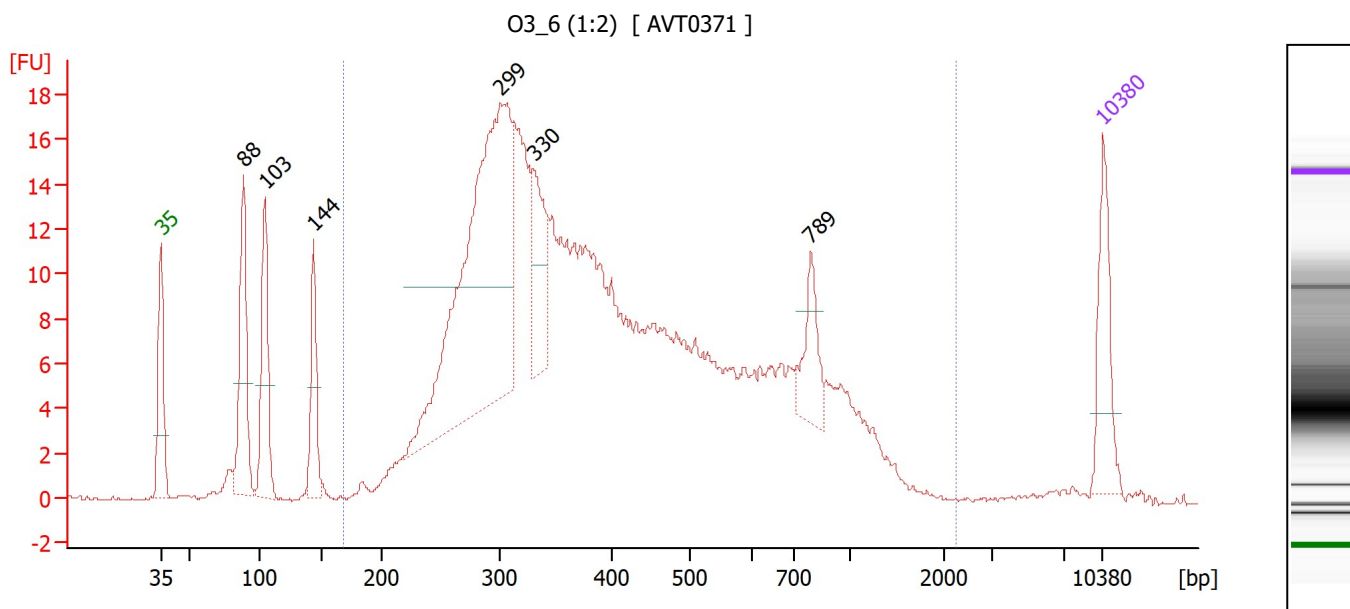
Region table for sample 5 : O3_5 (1:2)

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
168	2,081	380.4	87	422	48.4	3,149.59	13,845.0	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-06-17_001.xad

Created: 6/17/2025 1:00:26 PM
Modified: 6/17/2025 2:47:10 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : O3_6 (1:2)

Number of peaks found: 6 Corr. Area 1: 392.8
Noise: 0.1

Peak table for sample 6 : O3_6 (1:2)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	88	190.00	3,277.4	
3	103	166.03	2,433.5	
4	144	102.40	1,079.7	
5	299	692.69	3,507.6	
6	330	120.74	555.1	
7	789	64.77	124.3	
8	10,380	75.00	10.9	Upper Marker

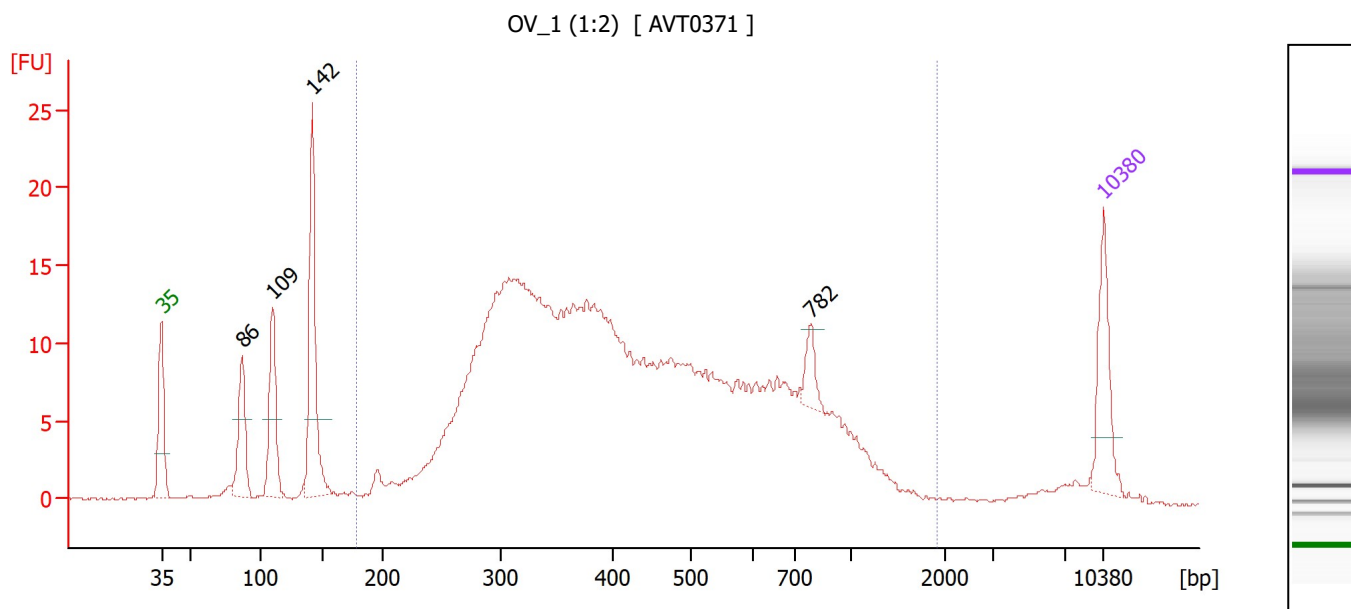
Region table for sample 6 : O3_6 (1:2)

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
168	2,240	392.8	89	461	53.0	3,259.53	13,582.0	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-06-17_001.xad

Created: 6/17/2025 1:00:26 PM
Modified: 6/17/2025 2:47:10 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : OV_1 (1:2)

Number of peaks found: 4 Corr. Area 1: 387.1
Noise: 0.1

Peak table for sample 7 : OV_1 (1:2)

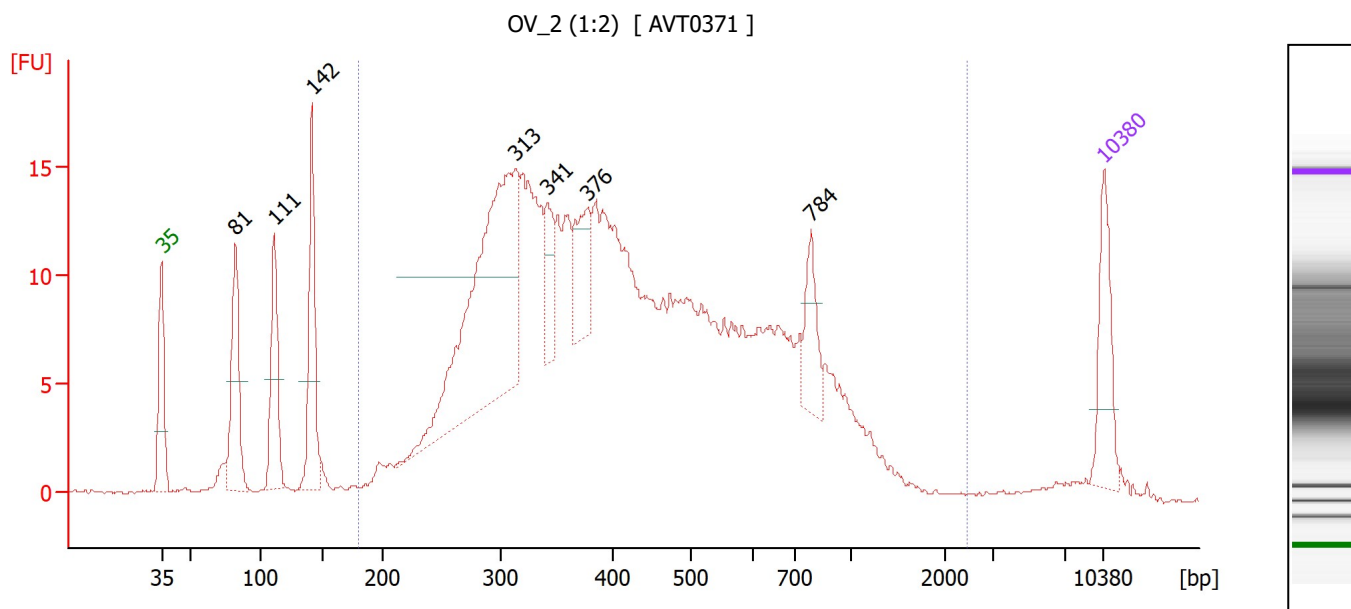
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	86	114.94	2,016.7	
3	109	138.43	1,917.8	
4	142	237.51	2,536.0	
5	782	32.15	62.3	Upper Marker
6	10,380	75.00	10.9	

Region table for sample 7 : OV_1 (1:2)

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
178	1,913	387.1	86	478	48.3	2,972.34	11,735.7	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-06-17_001.xad

Created: 6/17/2025 1:00:26 PM
 Modified: 6/17/2025 2:47:10 PM

Electropherogram Summary Continued ...**Overall Results for sample 8 : OV_2 (1:2)**

Number of peaks found: 7 Corr. Area 1: 402.3
 Noise: 0.1

Peak table for sample 8 : OV_2 (1:2)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	81	168.35	3,134.0	
3	111	147.94	2,021.0	
4	142	181.09	1,939.1	
5	313	524.74	2,543.7	
6	341	61.47	272.8	
7	376	81.04	326.3	
8	784	64.57	124.8	
9	10,380	75.00	10.9	Upper Marker

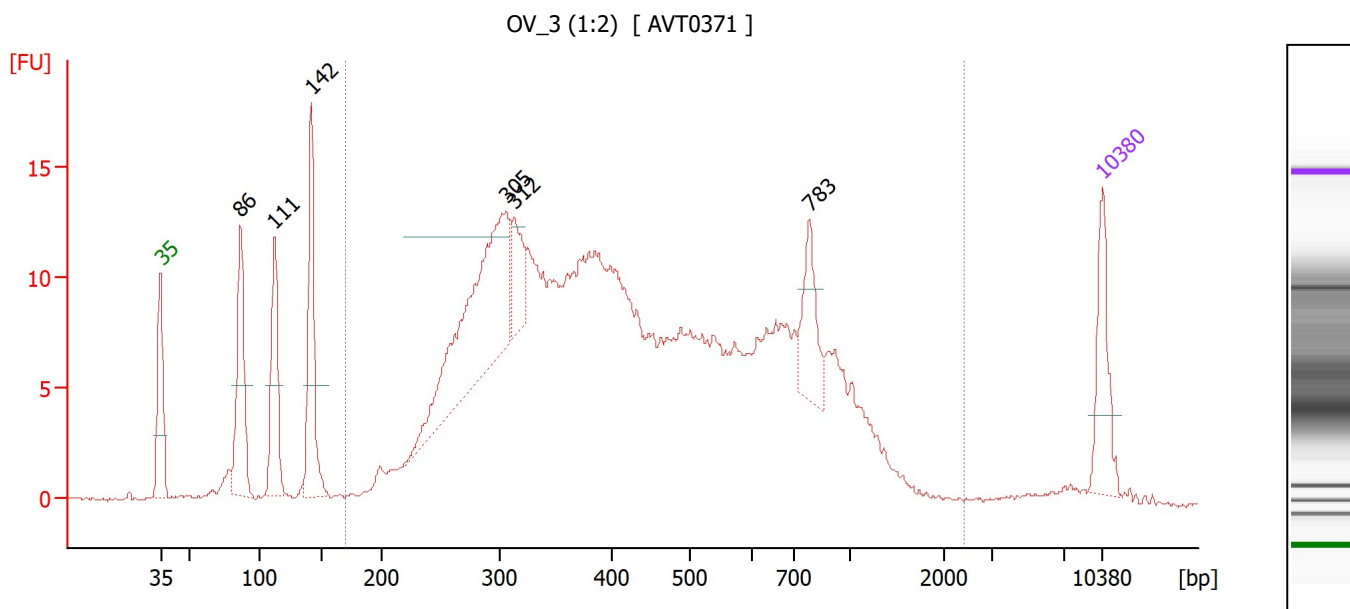
Region table for sample 8 : OV_2 (1:2)

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
180	2,485	402.3	88	474	50.1	3,446.31	13,713.4	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-06-17_001.xad

Created: 6/17/2025 1:00:26 PM
Modified: 6/17/2025 2:47:10 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : OV_3 (1:2)

Number of peaks found: 6 Corr. Area 1: 363.3
Noise: 0.1

Peak table for sample 9 : OV_3 (1:2)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	86	200.37	3,538.3	
3	111	168.96	2,299.1	
4	142	207.42	2,218.7	
5	305	383.54	1,904.6	
6	312	64.78	314.5	
7	783	84.44	163.4	
8	10,380	75.00	10.9	Upper Marker

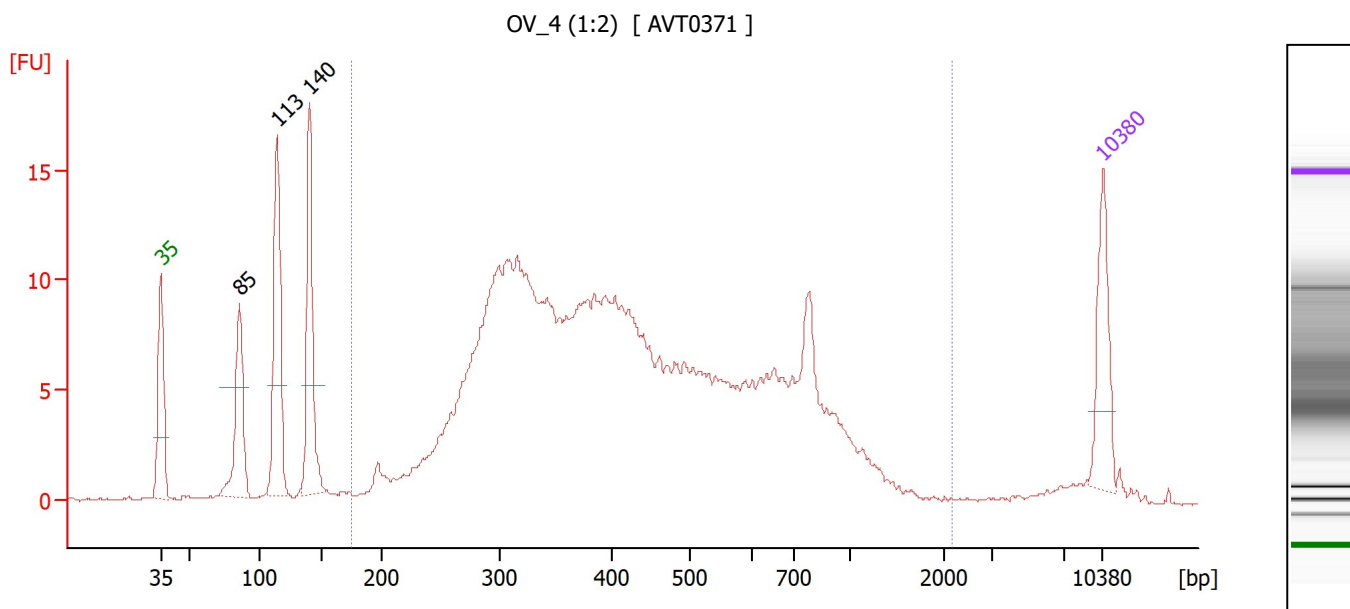
Region table for sample 9 : OV_3 (1:2)

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
170	2,434	363.3	88	491	51.4	3,615.07	14,343.6	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-06-17_001.xad

Created: 6/17/2025 1:00:26 PM
Modified: 6/17/2025 2:47:10 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : OV_4 (1:2)

Number of peaks found: 3 Corr. Area 1: 286.3
Noise: 0.1

Peak table for sample 10 : OV_4 (1:2)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	85	142.82	2,540.7	
3	113	224.19	2,995.8	
4	140	195.32	2,112.0	
5	10,380	75.00	10.9	Upper Marker

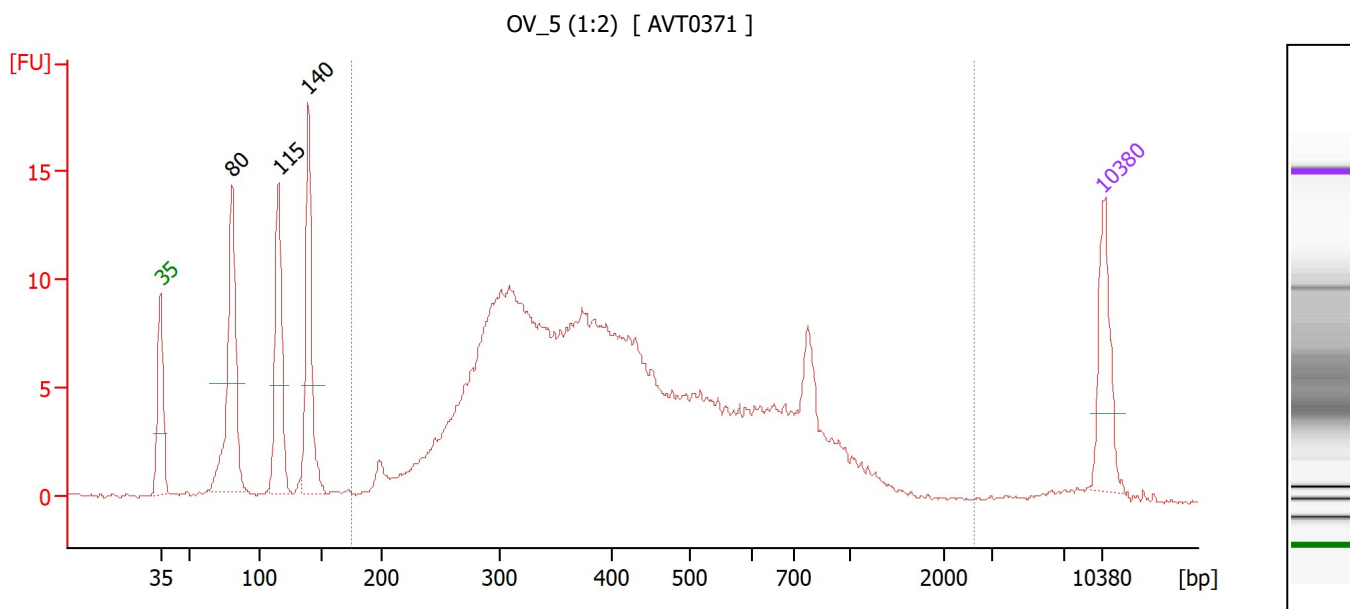
Region table for sample 10 : OV_4 (1:2)

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
174	2,194	286.3	83	475	48.7	2,629.72	10,452.5	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-06-17_001.xad

Created: 6/17/2025 1:00:26 PM
Modified: 6/17/2025 2:47:10 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : OV_5 (1:2)

Number of peaks found: 3 Corr. Area 1: 239.1
Noise: 0.1

Peak table for sample 11 : OV_5 (1:2)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	80	260.52	4,955.0	
3	115	202.02	2,660.3	
4	140	208.85	2,268.2	
5	10,380	75.00	10.9	Upper Marker

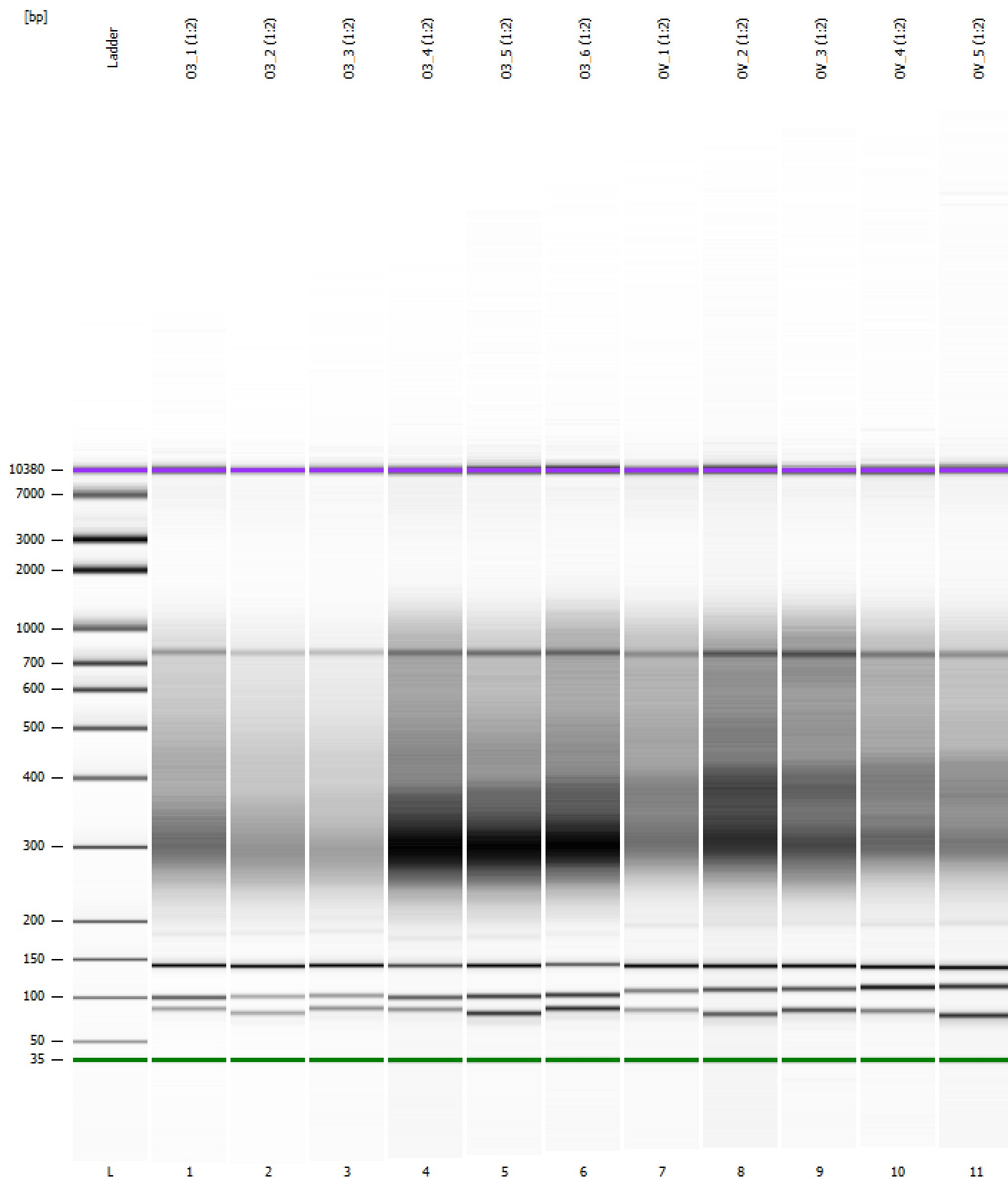
Region table for sample 11 : OV_5 (1:2)

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
174	2,625	239.1	80	458	48.0	2,284.88	9,273.5	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-06-17_001.xad

Created: 6/17/2025 1:00:26 PM
 Modified: 6/17/2025 2:47:10 PM

Gel Image



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-06-17_001.xad

Created: 6/17/2025 1:00:26 PM
 Modified: 6/17/2025 2:47:10 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		6/17/2025 1:41:45 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\2025-06-17\Bioanalyzer1_High Sensitivity DNA Assay_DE34903152_2025-06-17_001.xad)		Instrument	Run		6/17/2025 1:00:32 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		6/17/2025 1:00:32 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		6/17/2025 1:00:32 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		6/17/2025 1:00:32 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		6/17/2025 1:00:32 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		6/17/2025 1:00:32 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		6/17/2025 1:00:32 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB