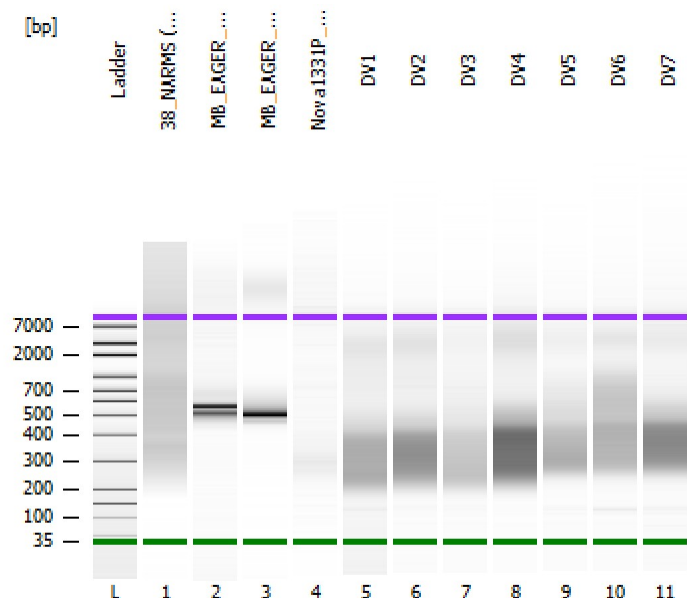


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-06-17_003.xad

Created: 6/17/2025 3:14:23 PM
Modified: 6/17/2025 3:59:12 PM

Electrophoresis File Run Summary



Instrument Information:

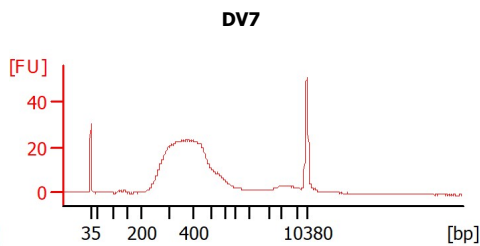
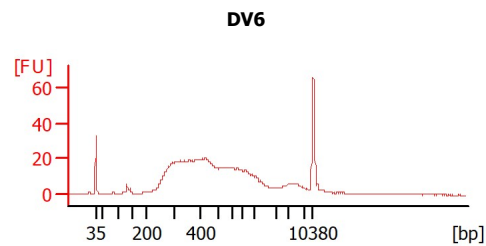
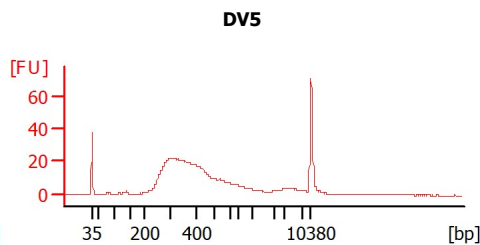
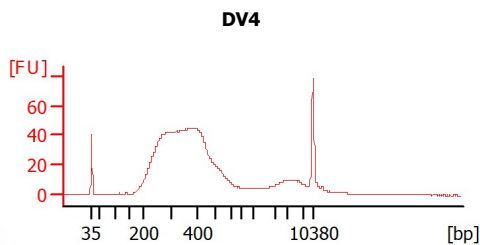
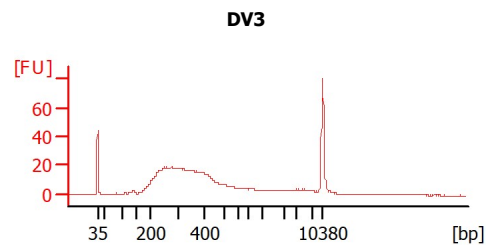
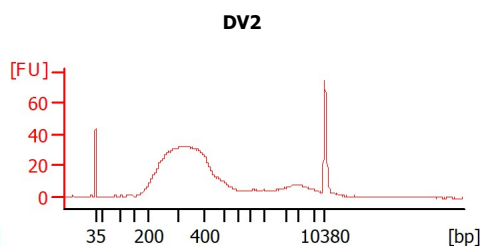
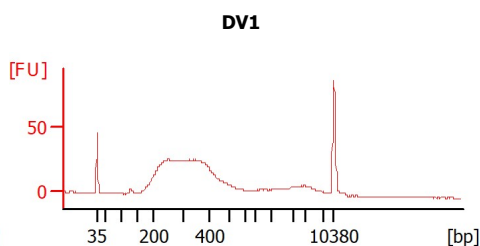
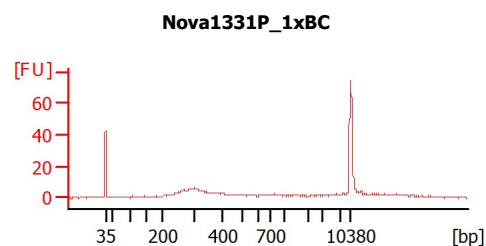
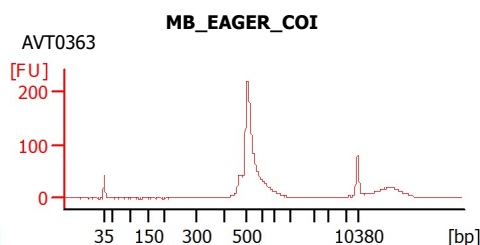
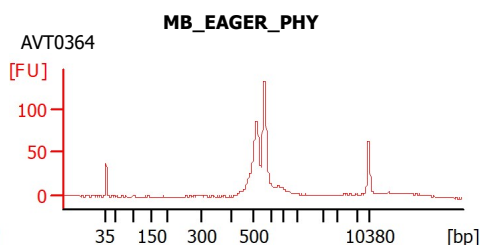
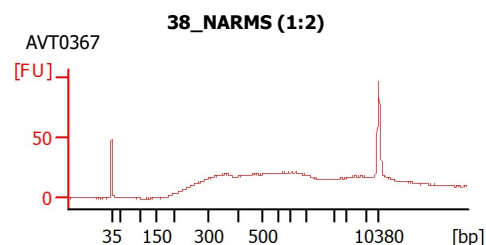
Instrument Name: DE34903152
Serial#: DE34903152
Firmware: C.01.069
Type: G2938C

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:\...r1_High Sensitivity DNA Assay_DE34903152_2025-06-17_003.xad

Created: 6/17/2025 3:14:23 PM
Modified: 6/17/2025 3:59:12 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
38_NARMS (1:2)	AVT0367	☐	✓			
MB_EAGER_PHY	AVT0364	☐	✓			
MB_EAGER_COI	AVT0363	☐	✓			
Nova1331P_1xBC		☐	✓			
DV1		☐	✓			
DV2		☐	✓			
DV3		☐	✓			
DV4		☐	✓			
DV5		☐	✓			
DV6		☐	✓			
DV7		☐	✓			
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_003.xad

Created: 6/17/2025 3:14:23 PM
Modified: 6/17/2025 3:59:12 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

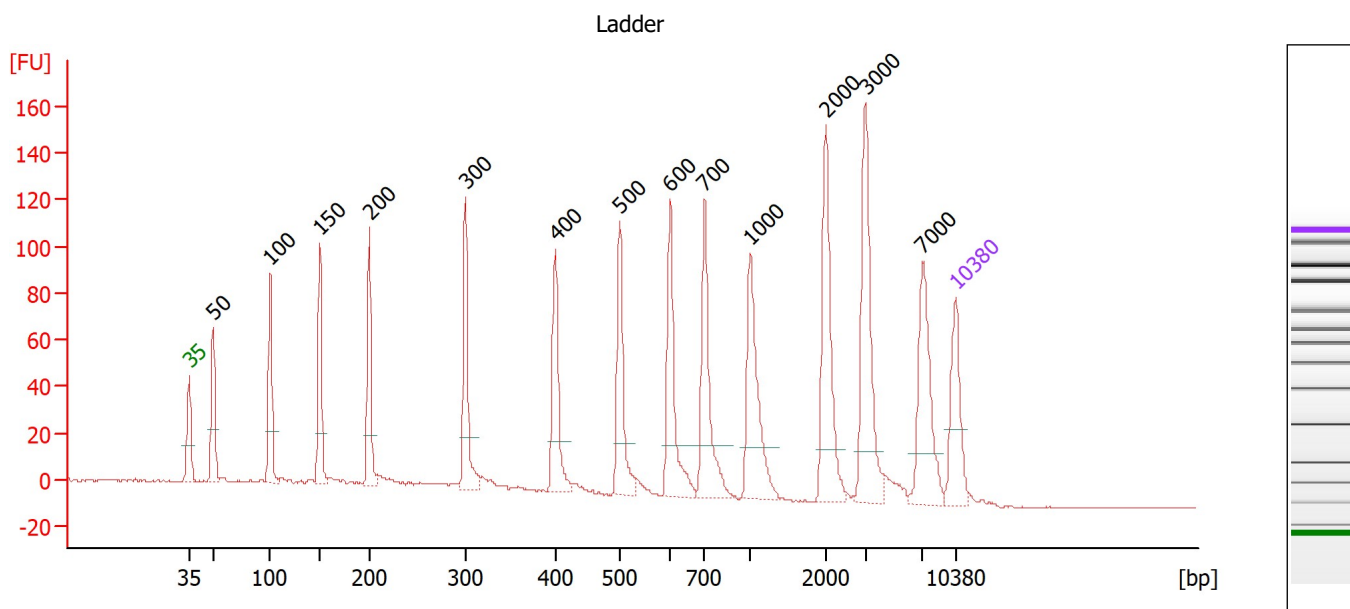
Ladder

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_003.xad

Created: 6/17/2025 3:14:23 PM
 Modified: 6/17/2025 3:59:12 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

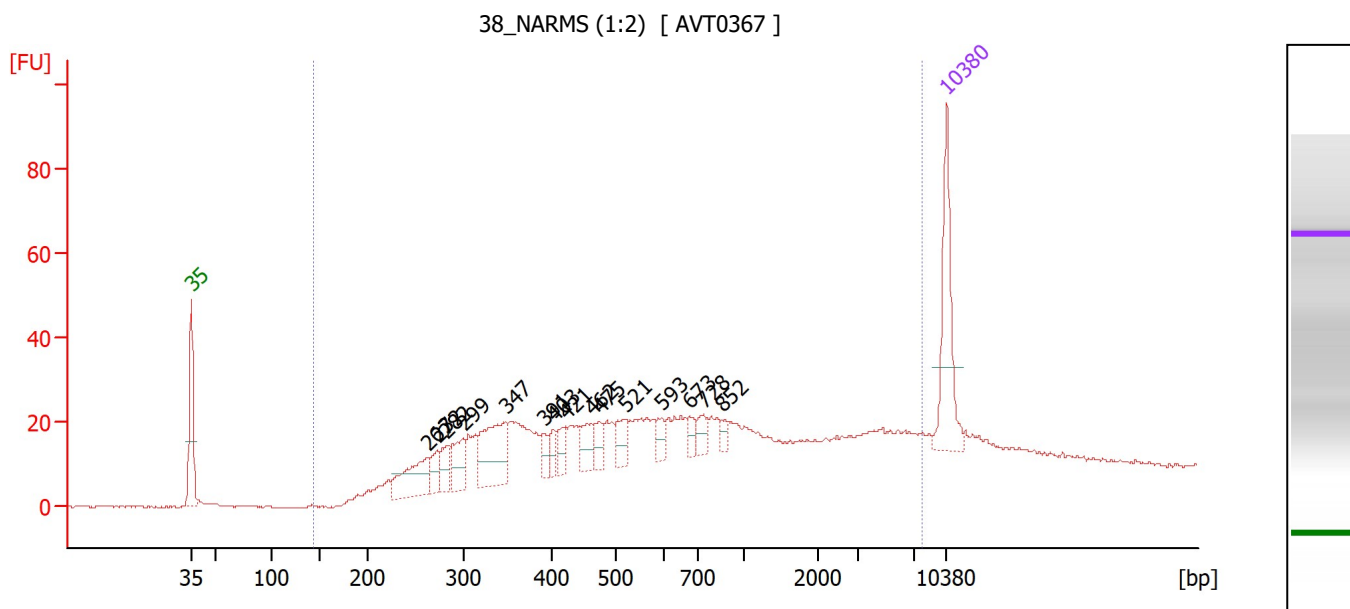
Peak table for Ladder

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_2025-06-17_003.xad

Created: 6/17/2025 3:14:23 PM
Modified: 6/17/2025 3:59:12 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : 38_NARMS (1:2)

Number of peaks found: 15 Corr. Area 1: 728.7
Noise: 0.2

Peak table for sample 1 : 38_NARMS (1:2)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	263	66.57	383.6	
3	272	21.88	121.7	
4	282	23.67	127.1	
5	299	39.12	198.0	
6	347	82.19	358.7	
7	391	15.70	60.8	
8	403	13.87	52.2	
9	421	19.85	71.5	
10	462	27.84	91.4	
11	475	18.12	57.8	
12	521	23.66	68.8	
13	593	12.92	33.0	
14	673	12.65	28.5	
15	728	15.28	31.8	
16	852	8.31	14.8	
17	10,380	75.00	10.9	Upper Marker

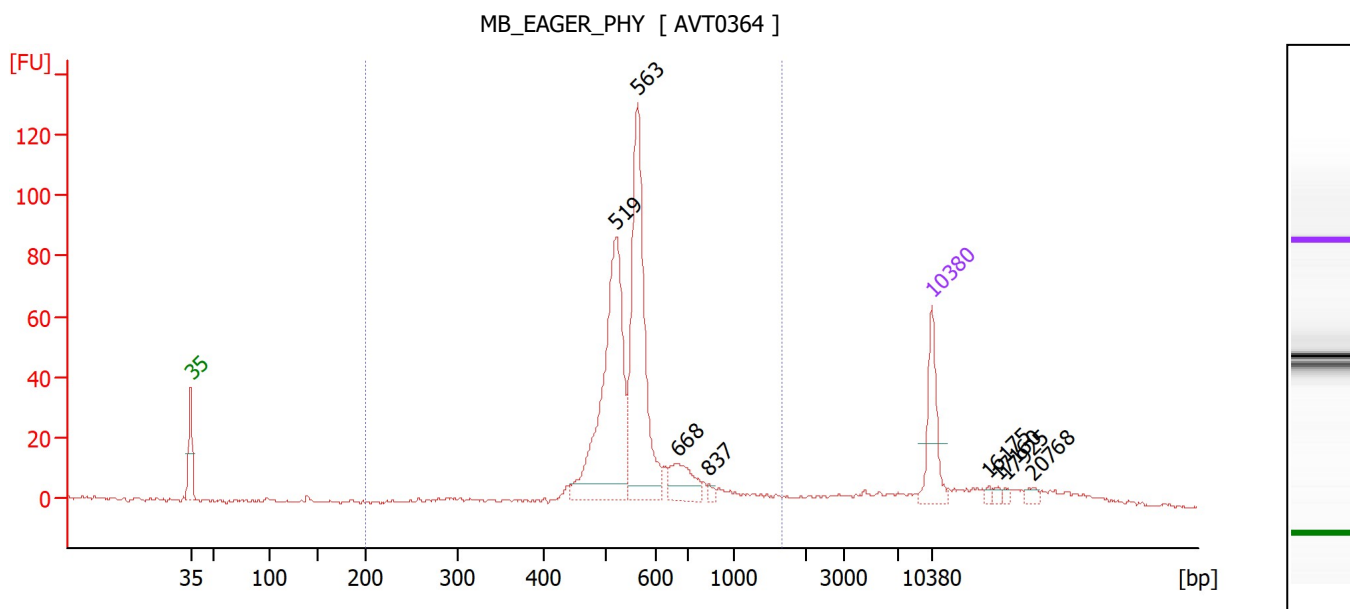
Region table for sample 1 : 38_NARMS (1:2)

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
144	7,969	728.7	92	1,210	100.0	1,100.74	3,543.3	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-06-17_003.xad

Created: 6/17/2025 3:14:23 PM
 Modified: 6/17/2025 3:59:12 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : MB_EAGER_PHY

Number of peaks found: 8 Corr. Area 1: 540.7
 Noise: 0.6

Peak table for sample 2 : MB_EAGER_PHY

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	519	424.53	1,238.7	
3	563	378.57	1,018.2	
4	668	62.60	142.0	
5	837	6.35	11.5	
6	10,380	75.00	10.9	Upper Marker
7	16,175	0.00	0.0	
8	17,160	0.00	0.0	
9	17,925	0.00	0.0	
10	20,768	0.00	0.0	

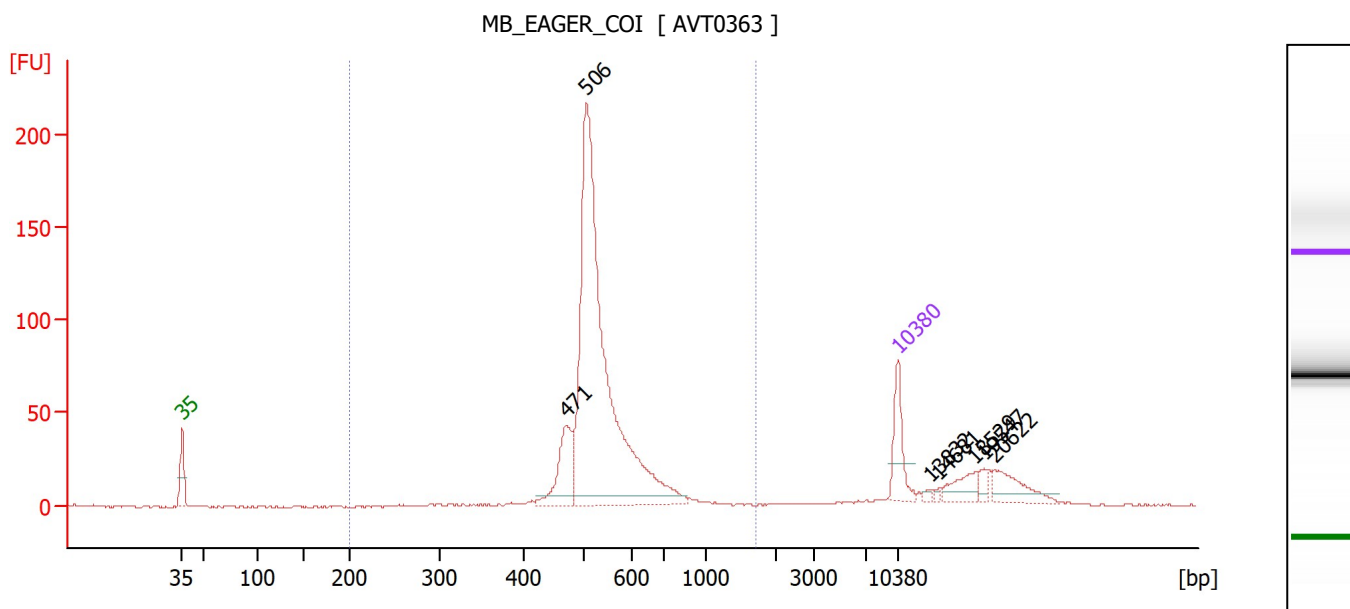
Region table for sample 2 : MB_EAGER_PHY

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,678	540.7	84	579	27.0	972.58	2,679.1	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-06-17_003.xad

Created: 6/17/2025 3:14:23 PM
Modified: 6/17/2025 3:59:12 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : MB_EAGER_COI

Number of peaks found: 7 Corr. Area 1: 814.0
Noise: 0.4

Peak table for sample 3 : MB_EAGER_COI

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	471	143.02	460.4	
3	506	1,177.85	3,529.8	
4	10,380	75.00	10.9	Upper Marker
5	13,832	0.00	0.0	
6	14,681	0.00	0.0	
7	18,529	0.00	0.0	
8	19,547	0.00	0.0	
9	20,622	0.00	0.0	

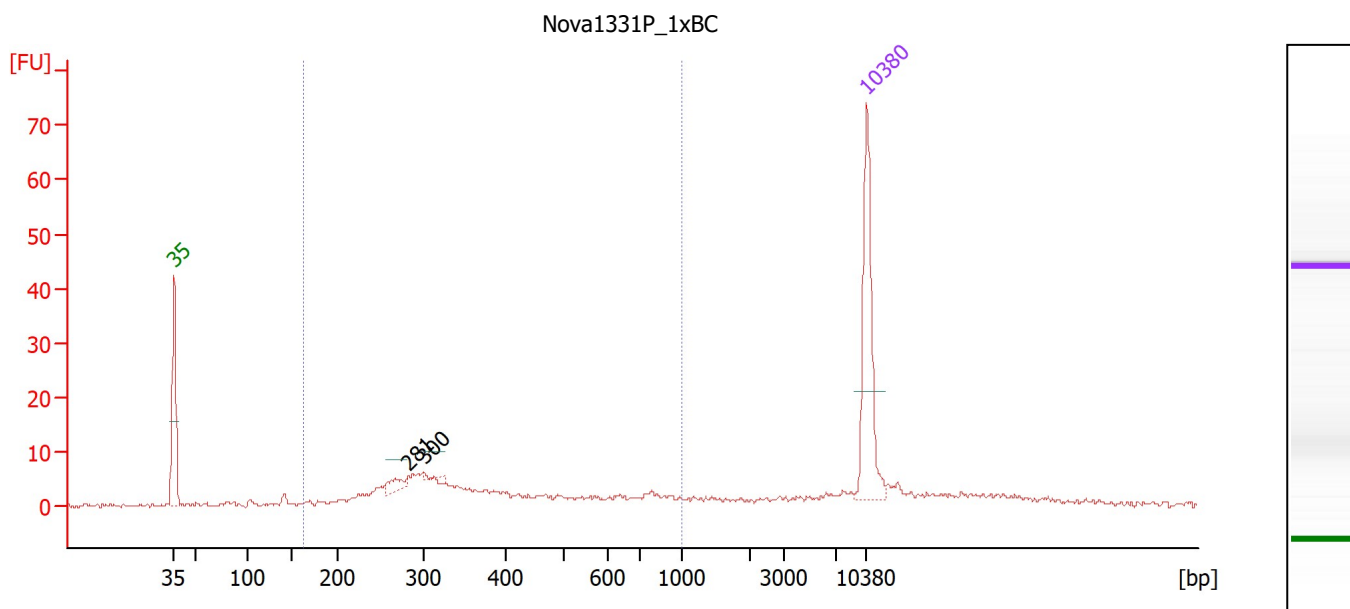
Region table for sample 3 : MB_EAGER_COI

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,702	814.0	84	541	16.5	1,305.32	3,740.2	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-06-17_003.xad

Created: 6/17/2025 3:14:23 PM
 Modified: 6/17/2025 3:59:12 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : Nova1331P_1xBC

Number of peaks found: 2 Corr. Area 1: 116.6
 Noise: 0.3

Peak table for sample 4 : Nova1331P_1xBC

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	281	11.85	64.0	
3	300	0.65	3.3	
4	10,380	75.00	10.9	Upper Marker

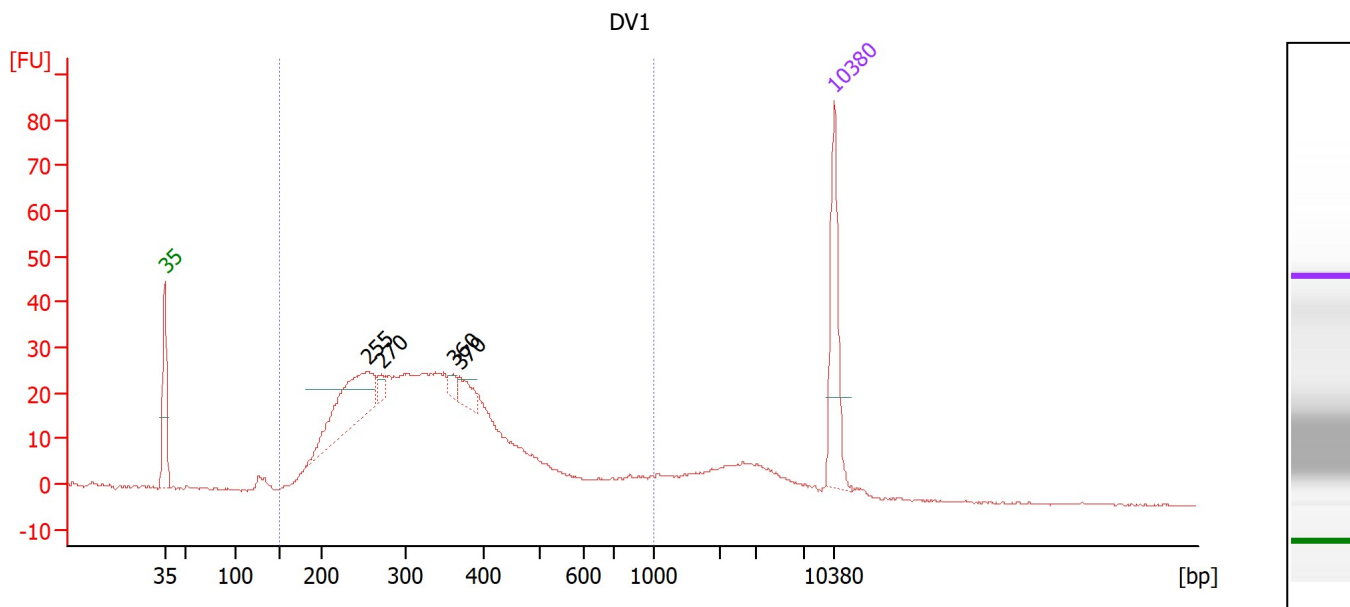
Region table for sample 4 : Nova1331P_1xBC

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
164	1,000	116.6	67	391	44.1	211.86	1,000.9	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-06-17_003.xad

Created: 6/17/2025 3:14:23 PM
Modified: 6/17/2025 3:59:12 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : DV1

Number of peaks found: 4 Corr. Area 1: 733.5
Noise: 0.2

Peak table for sample 5 : DV1

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	255	139.35	827.8	
3	270	12.43	69.7	
4	360	10.10	42.5	
5	370	20.20	82.8	
6	10,380	75.00	10.9	Upper Marker

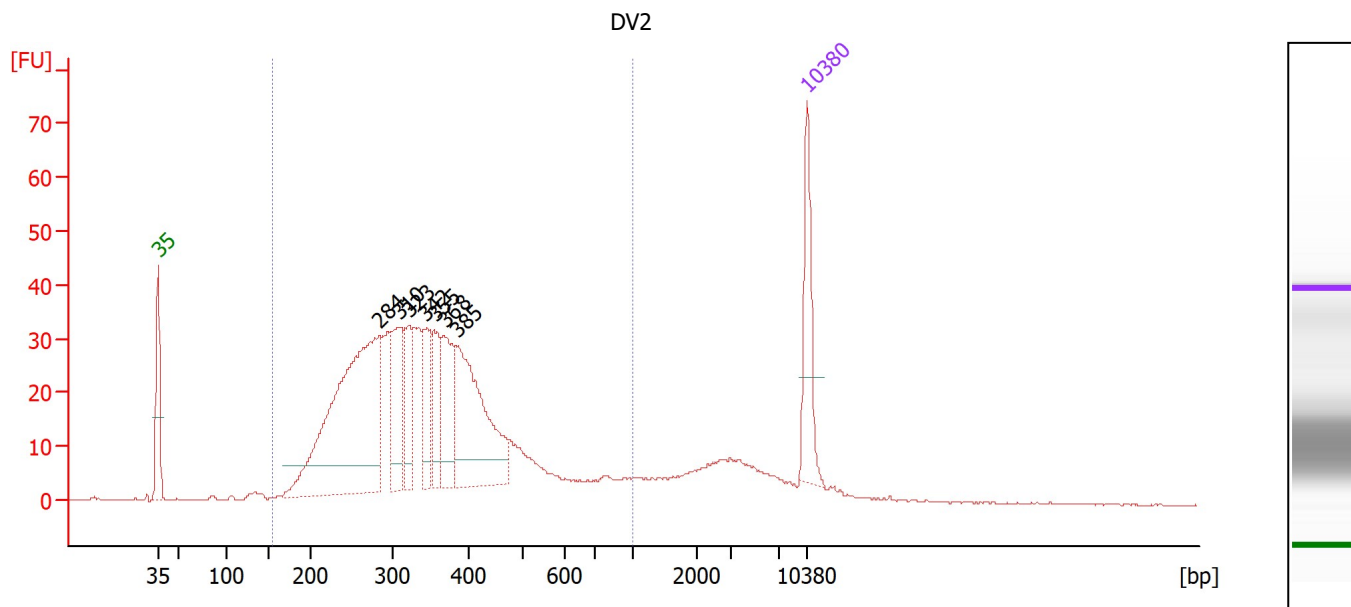
Region table for sample 5 : DV1

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
150	1,000	733.5	89	348	37.7	1,242.97	6,242.0	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-06-17_003.xad

Created: 6/17/2025 3:14:23 PM
Modified: 6/17/2025 3:59:12 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : DV2

Number of peaks found: 7 Corr. Area 1: 834.3
Noise: 0.1

Peak table for sample 6 : DV2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	284	522.67	2,784.9	
3	310	110.40	539.8	
4	323	73.40	344.8	
5	342	77.75	344.2	
6	355	69.16	295.2	
7	368	99.64	409.9	
8	385	228.72	901.3	
9	10,380	75.00	10.9	Upper Marker

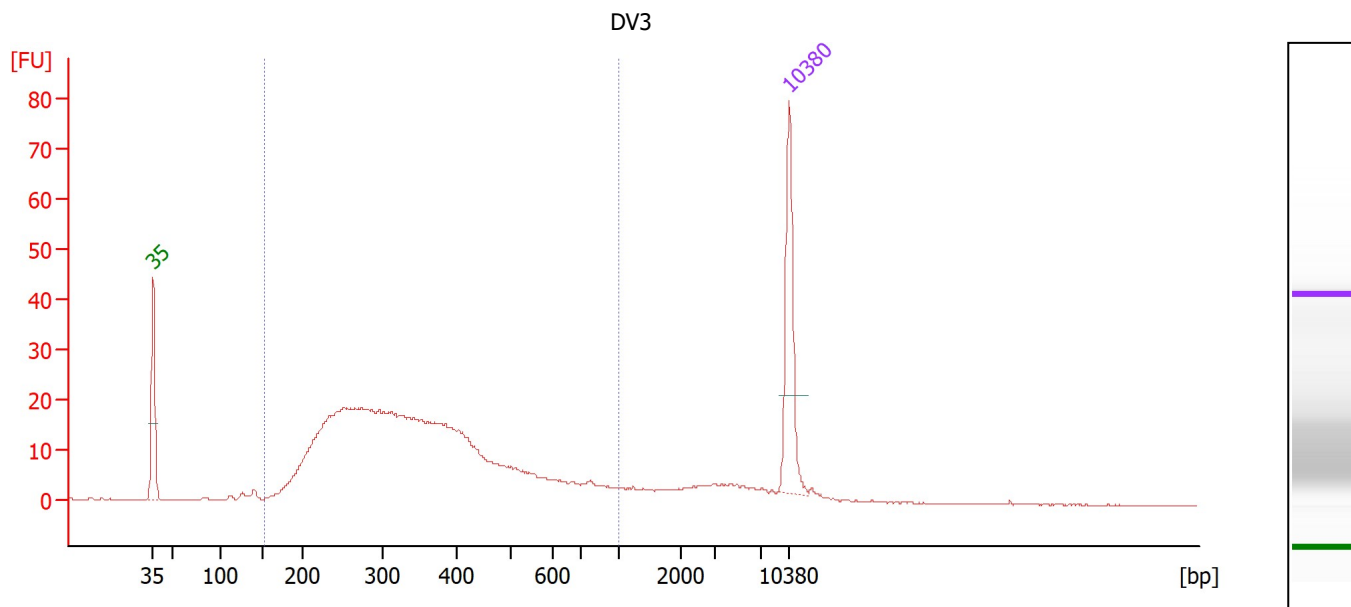
Region table for sample 6 : DV2

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
155	1,000	834.3	87	359	35.7	1,716.16	8,258.8	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-06-17_003.xad

Created: 6/17/2025 3:14:23 PM
Modified: 6/17/2025 3:59:12 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : DV3

Number of peaks found: 0
Noise: 0.1
Corr. Area 1: 532.4

Peak table for sample 7 : DV3

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	10,380	75.00	10.9	Upper Marker

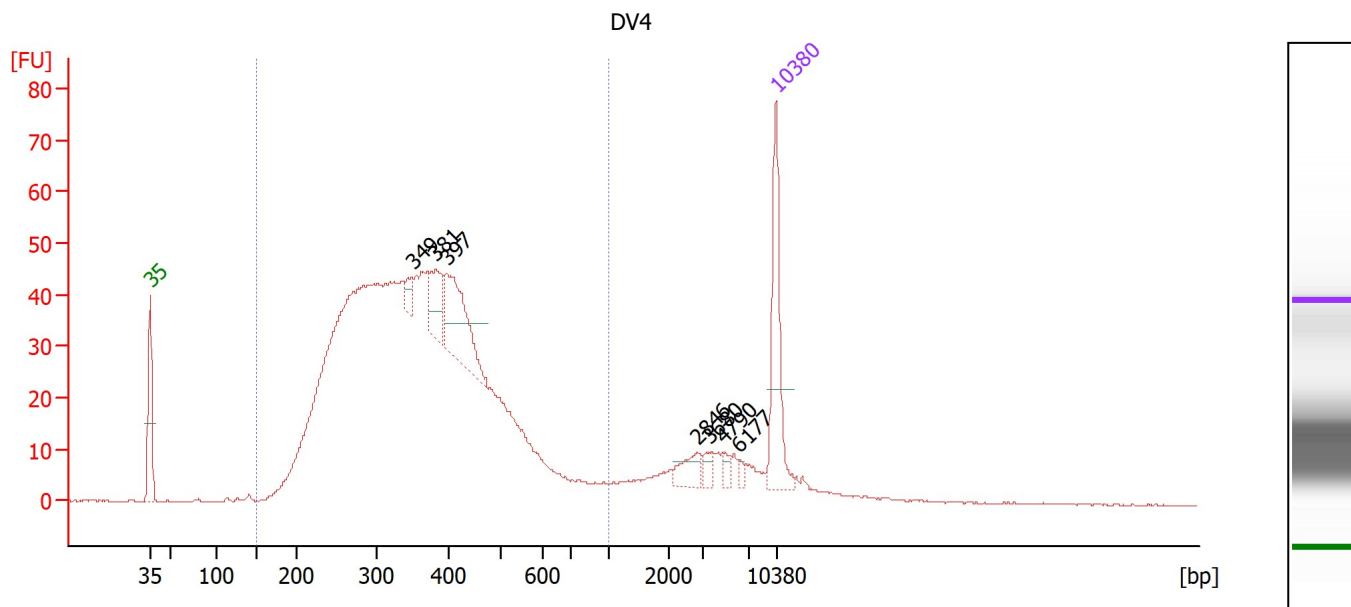
Region table for sample 7 : DV3

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
154	1,000	532.4	89	363	39.1	960.02	4,726.8	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-06-17_003.xad

Created: 6/17/2025 3:14:23 PM
Modified: 6/17/2025 3:59:12 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : DV4

Number of peaks found: 7 Corr. Area 1: 1,211.7
Noise: 0.1

Peak table for sample 8 : DV4

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	349	12.43	53.9	
3	381	43.80	174.3	
4	397	93.95	358.8	
5	2,846	18.53	9.9	
6	3,680	8.35	3.4	
7	4,790	6.90	2.2	
8	6,177	4.72	1.2	
9	10,380	75.00	10.9	Upper Marker

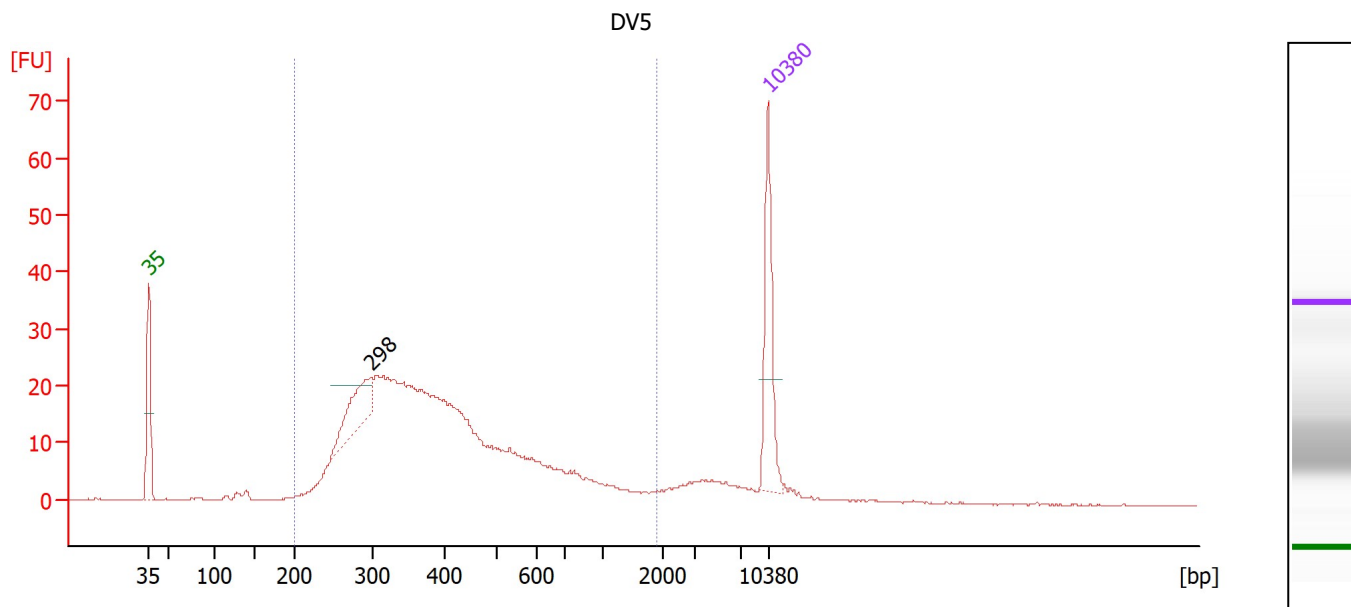
Region table for sample 8 : DV4

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
151	1,000	1,211.7	89	368	32.0	2,156.70	10,031.3	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-06-17_003.xad

Created: 6/17/2025 3:14:23 PM
 Modified: 6/17/2025 3:59:12 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : DV5

Number of peaks found: 1 Corr. Area 1: 529.2
 Noise: 0.1

Peak table for sample 9 : DV5

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	298	74.85	380.4	
3	10,380	75.00	10.9	Upper Marker

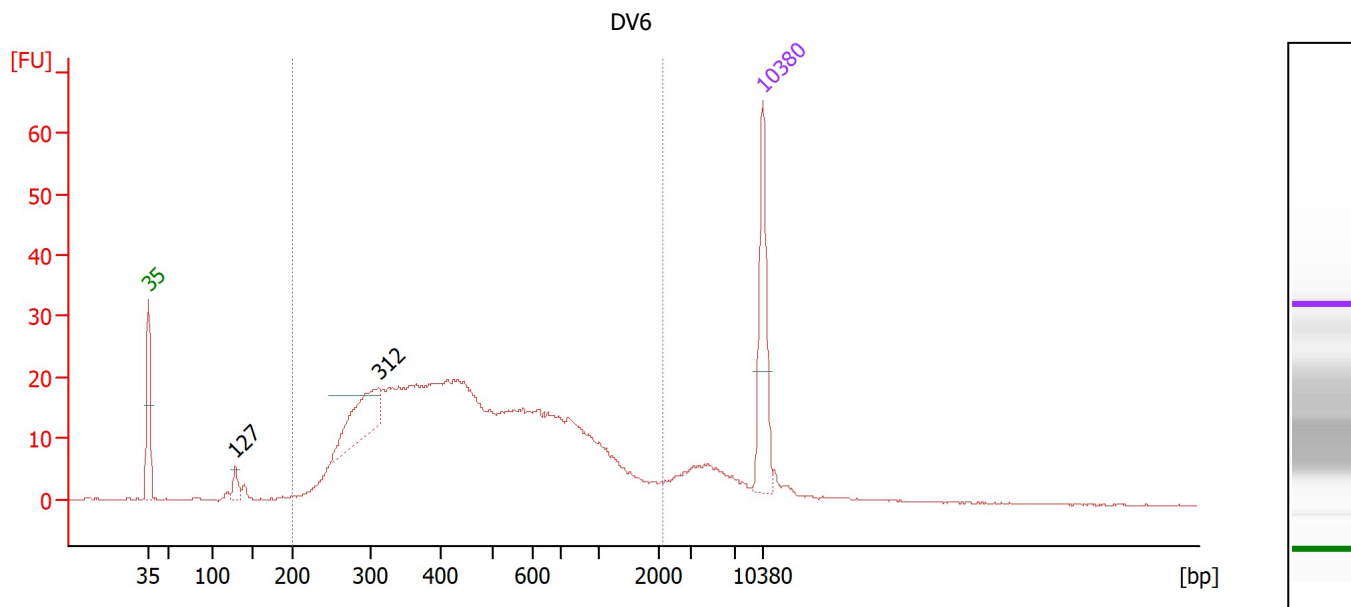
Region table for sample 9 : DV5

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,886	529.2	91	436	51.9	1,070.44	4,490.2	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-06-17_003.xad

Created: 6/17/2025 3:14:23 PM
Modified: 6/17/2025 3:59:12 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : DV6

Number of peaks found: 2 Corr. Area 1: 638.1
Noise: 0.1

Peak table for sample 10 : DV6

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	127	17.69	210.3	
3	312	87.80	426.0	
4	10,380	75.00	10.9	Upper Marker

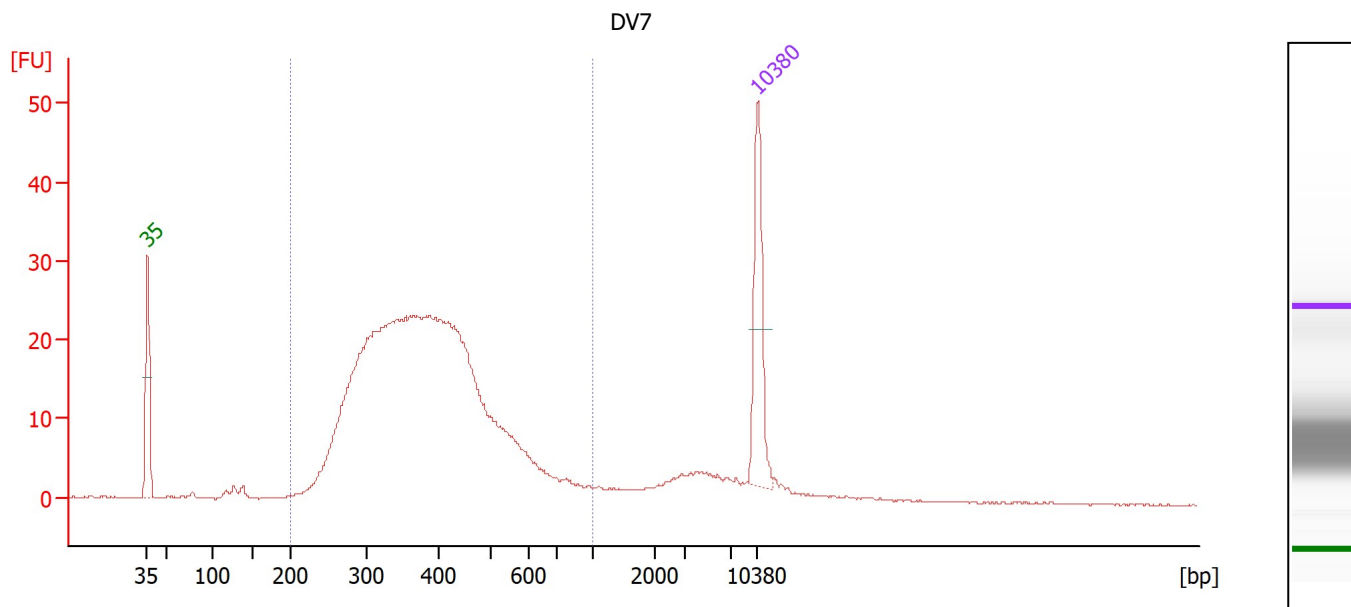
Region table for sample 10 : DV6

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	2,107	638.1	88	537	58.0	1,267.86	4,708.9	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-06-17_003.xad

Created: 6/17/2025 3:14:23 PM
Modified: 6/17/2025 3:59:12 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : DV7

Number of peaks found: 0
Noise: 0.1
Corr. Area 1: 527.6

Peak table for sample 11 : DV7

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	10,380	75.00	10.9	Upper Marker

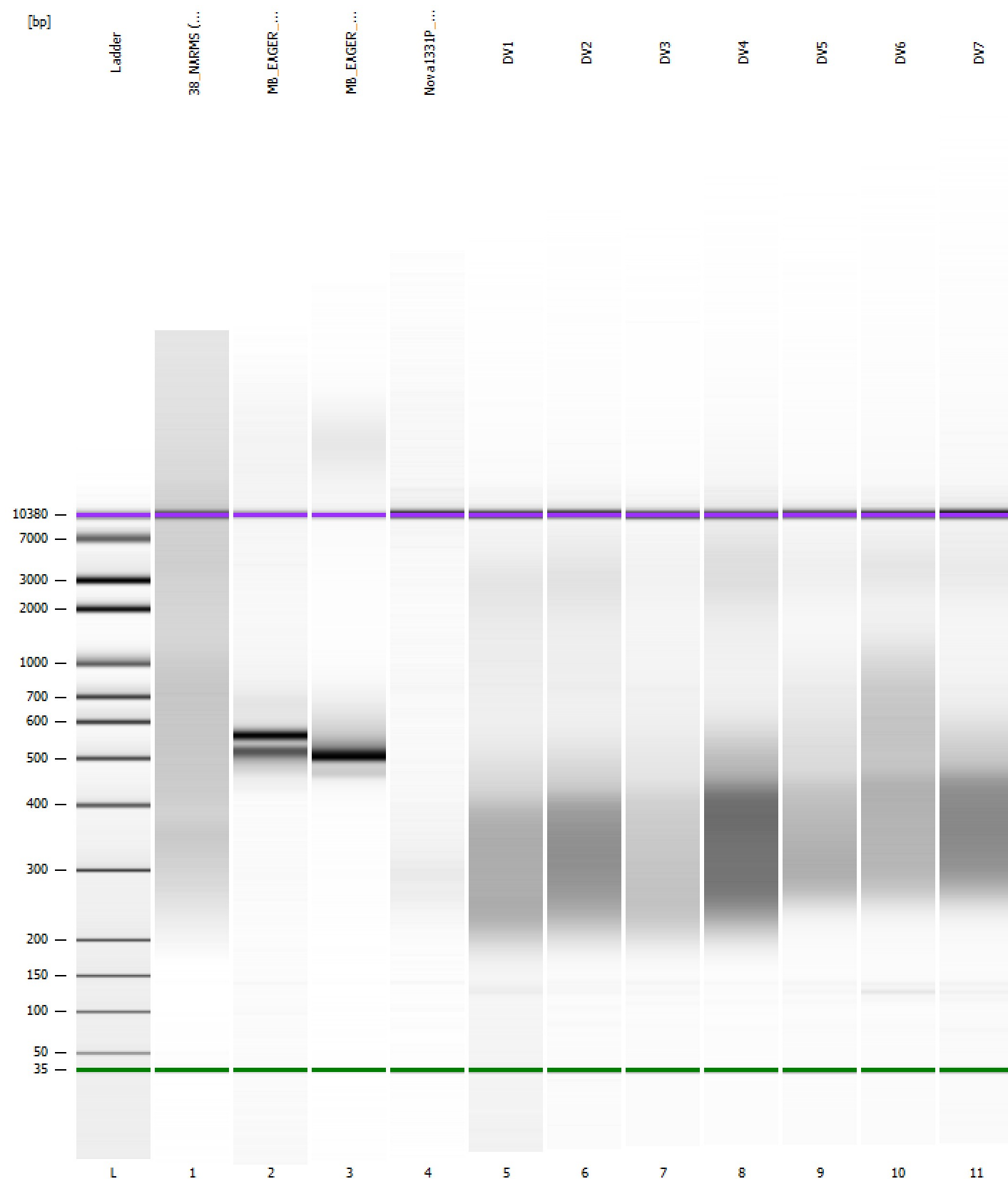
Region table for sample 11 : DV7

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	527.6	90	398	28.4	1,263.60	5,272.0	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-06-17_003.xad

Created: 6/17/2025 3:14:23 PM
 Modified: 6/17/2025 3:59:12 PM

Gel Image



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-06-17_003.xad

Created: 6/17/2025 3:14:23 PM
 Modified: 6/17/2025 3:59:12 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 3:54:46 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_003.xad)		Instrument	Run		6/17/2025 3:14:24 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		6/17/2025 3:14:24 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		6/17/2025 3:14:24 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		6/17/2025 3:14:24 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		6/17/2025 3:14:24 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		6/17/2025 3:14:24 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		6/17/2025 3:14:24 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB