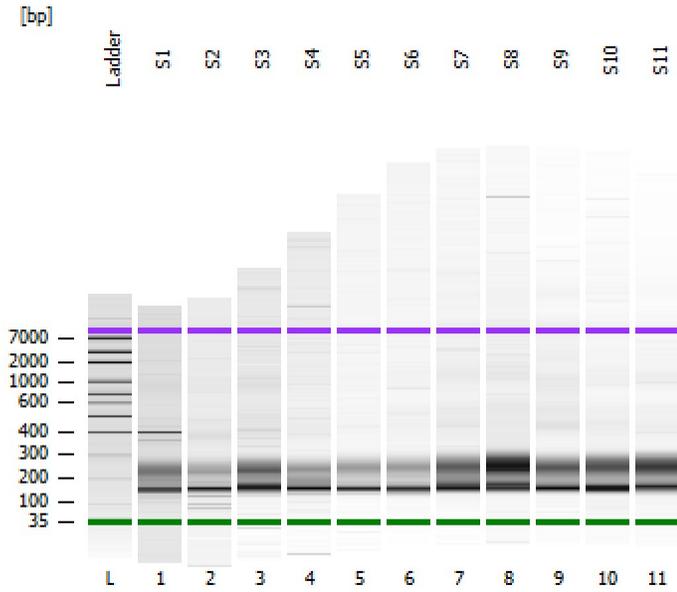


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2026-01-23_002.xad

Created: 1/23/2026 12:04:27 PM
Modified: 1/23/2026 1:08:22 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

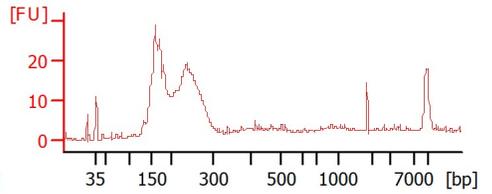
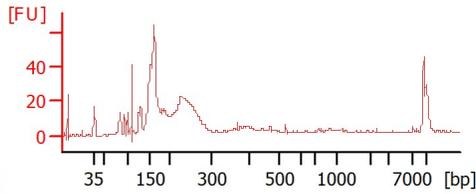
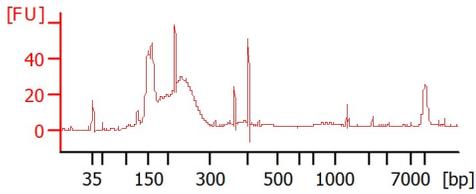
Chip Information:

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

S1

S2

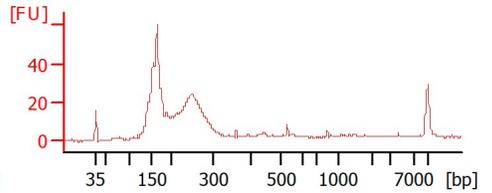
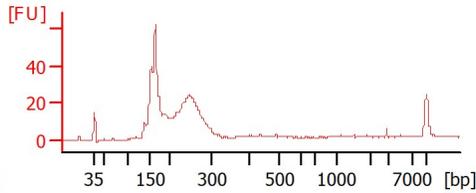
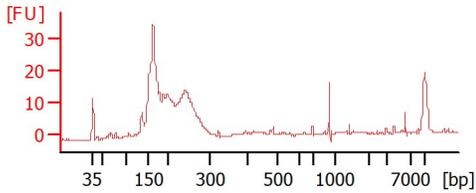
S3



S4

S5

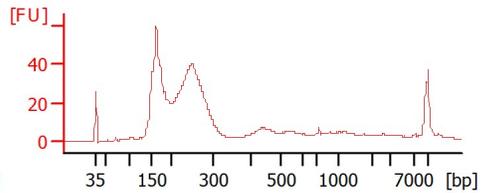
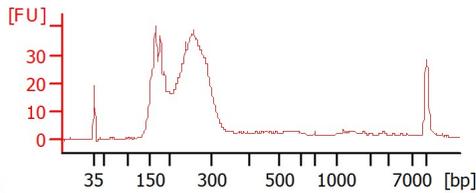
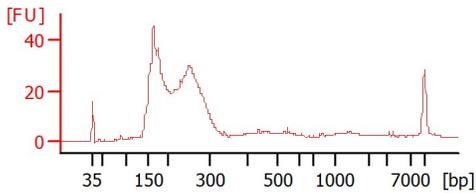
S6



S7

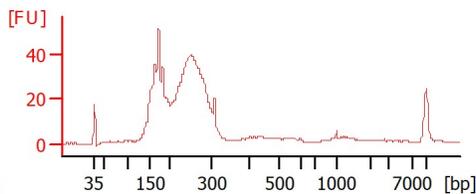
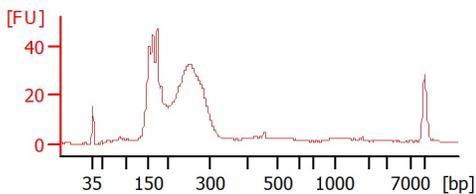
S8

S9



S10

S11



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2026-01-23_002.xad

Created: 1/23/2026 12:04:27 PM
 Modified: 1/23/2026 1:08:22 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
S1		<input type="checkbox"/>		✓		
S2		<input type="checkbox"/>		✓		
S3		<input type="checkbox"/>		✓		
S4		<input type="checkbox"/>		✓		
S5		<input type="checkbox"/>		✓		
S6		<input type="checkbox"/>		✓		
S7		<input type="checkbox"/>		✓		
S8		<input type="checkbox"/>		✓		
S9		<input type="checkbox"/>		✓		
S10		<input type="checkbox"/>		✓		
S11		<input type="checkbox"/>		✓		
Ladder		<input type="checkbox"/>		✓		

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2026-01-23_002.xad

Created: 1/23/2026 12:04:27 PM
 Modified: 1/23/2026 1:08:22 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

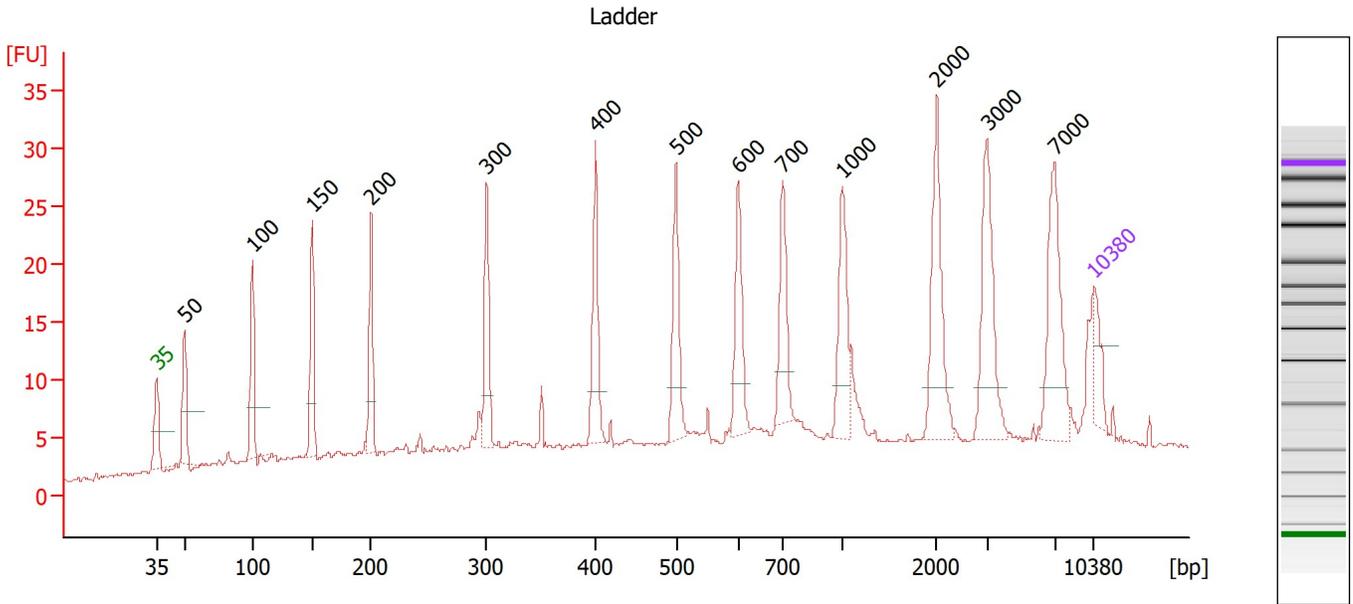
Ladder

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:\...r1_High Sensitivity DNA Assay_DE34903152_2026-01-23_002.xad

Created: 1/23/2026 12:04:27 PM
 Modified: 1/23/2026 1:08:22 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

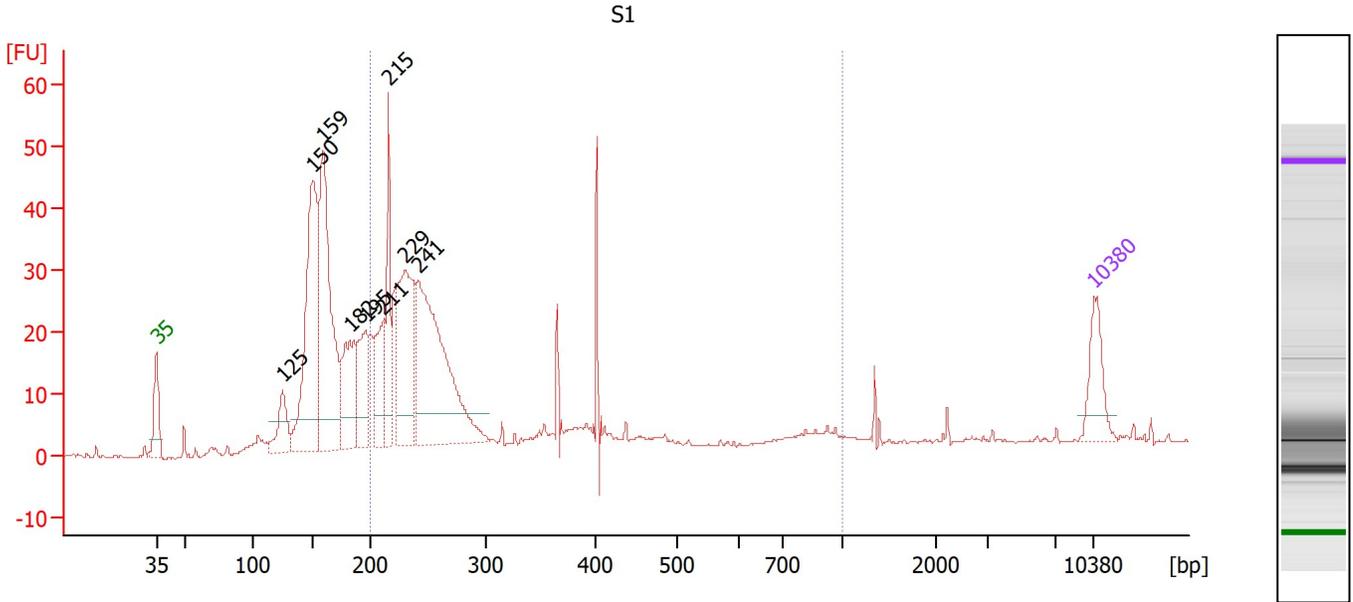
Peak table for Ladder

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_2026-01-23_002.xad

Created: 1/23/2026 12:04:27 PM
 Modified: 1/23/2026 1:08:22 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : S1

Number of peaks found: 9 Corr. Area 1: 333.8
 Noise: 0.2

Peak table for sample 1 : S1

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	125	98.36	1,192.8	
3	150	523.71	5,286.8	
4	159	553.04	5,264.9	
5	182	201.59	1,680.0	
6	195	148.73	1,153.2	
7	211	142.45	1,024.7	
8	215	175.85	1,238.1	
9	229	352.43	2,327.3	
10	241	564.78	3,548.5	
11	10,380	75.00	10.9	Upper Marker

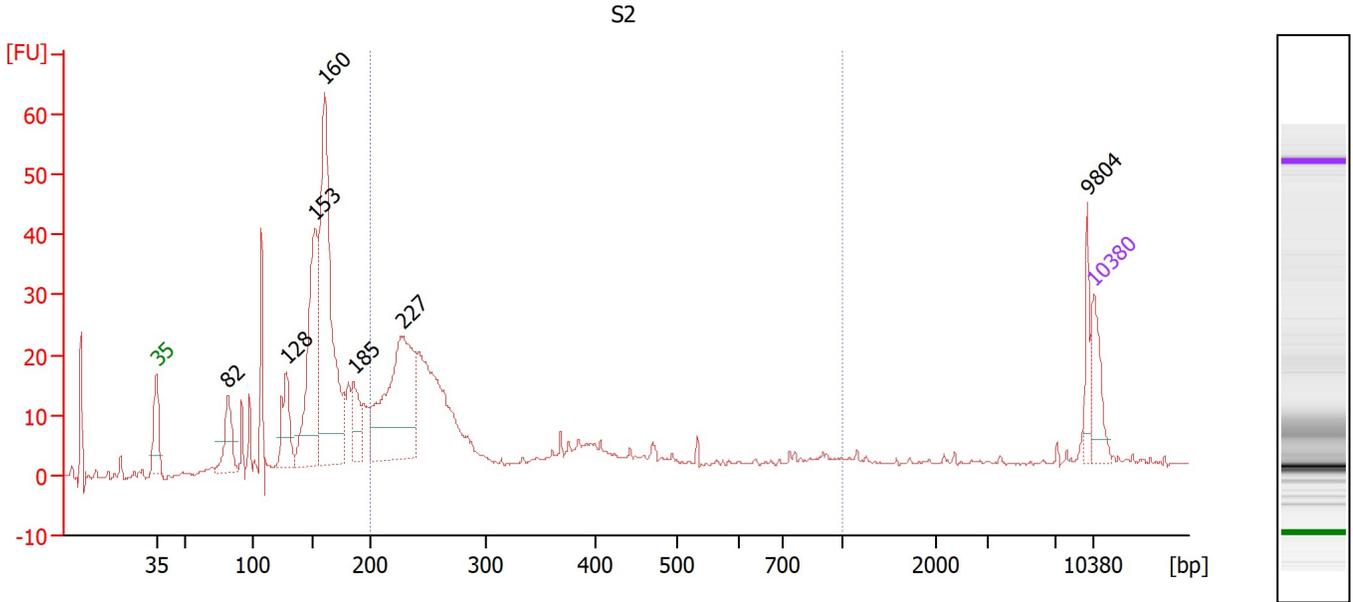
Region table for sample 1 : S1

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	333.8	53	301	47.4	1,754.40	10,262.9	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2026-01-23_002.xad

Created: 1/23/2026 12:04:27 PM
 Modified: 1/23/2026 1:08:22 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : S2

Number of peaks found: 7 Corr. Area 1: 240.8
 Noise: 0.3

Peak table for sample 2 : S2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	82	131.92	2,447.8	
3	128	155.05	1,829.6	
4	153	446.27	4,430.3	
5	160	788.51	7,443.9	
6	185	102.69	840.3	
7	227	535.26	3,574.0	
8	9,804	52.78	8.2	
9	10,380	75.00	10.9	Upper Marker

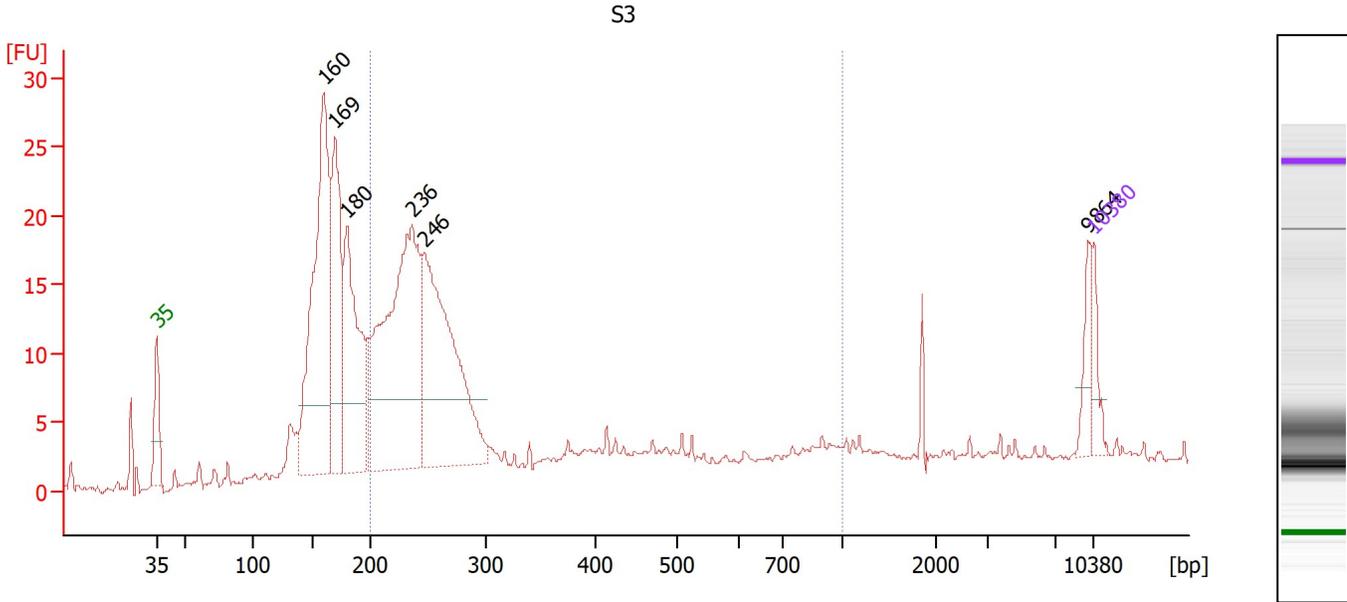
Region table for sample 2 : S2

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	240.8	42	321	47.7	1,534.12	8,639.1	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2026-01-23_002.xad

Created: 1/23/2026 12:04:27 PM
 Modified: 1/23/2026 1:08:22 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : S3

Number of peaks found: 6 Corr. Area 1: 195.8
 Noise: 0.3

Peak table for sample 3 : S3

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	160	1,210.51	11,496.4	
3	169	641.00	5,737.0	
4	180	685.37	5,781.4	
5	236	1,414.79	9,096.8	
6	246	1,086.62	6,690.4	
7	9,864	87.72	13.5	
8	10,380	75.00	10.9	Upper Marker

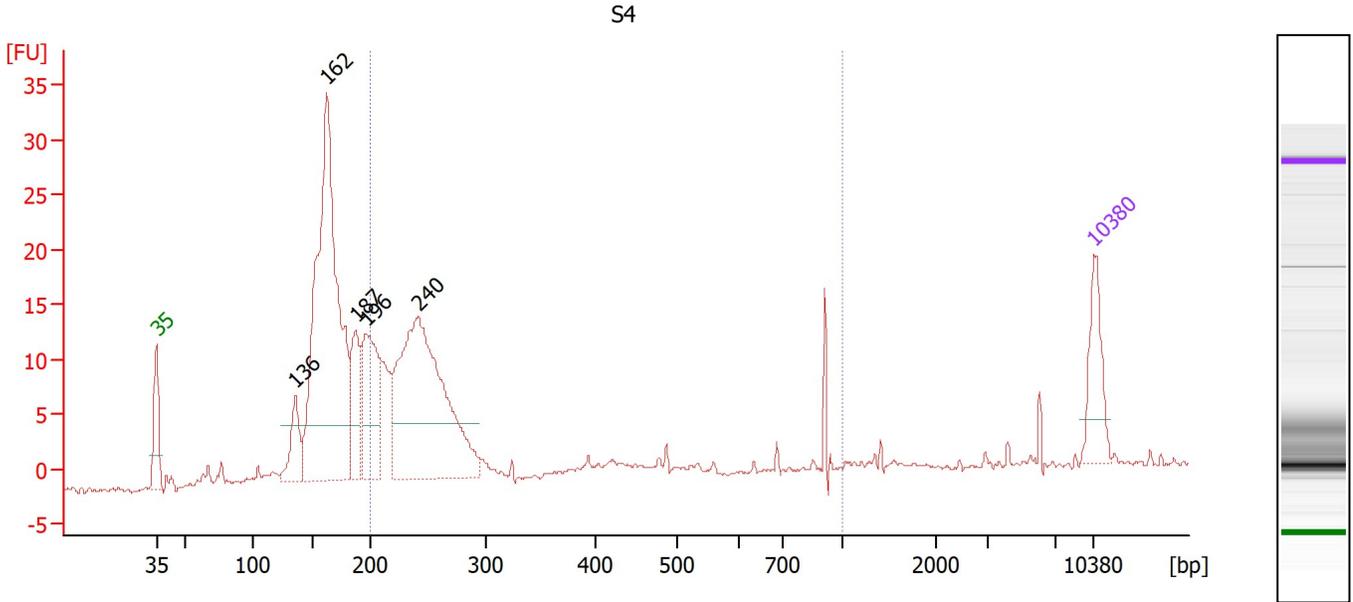
Region table for sample 3 : S3

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	195.8	51	318	50.2	3,242.03	18,431.8	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2026-01-23_002.xad

Created: 1/23/2026 12:04:27 PM
 Modified: 1/23/2026 1:08:22 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : S4

Number of peaks found: 5 Corr. Area 1: 123.4
 Noise: 0.2

Peak table for sample 4 : S4

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	136	88.97	993.1	
3	162	903.67	8,445.7	
4	187	126.52	1,025.7	
5	196	222.77	1,724.0	
6	240	643.56	4,062.5	
7	10,380	75.00	10.9	Upper Marker

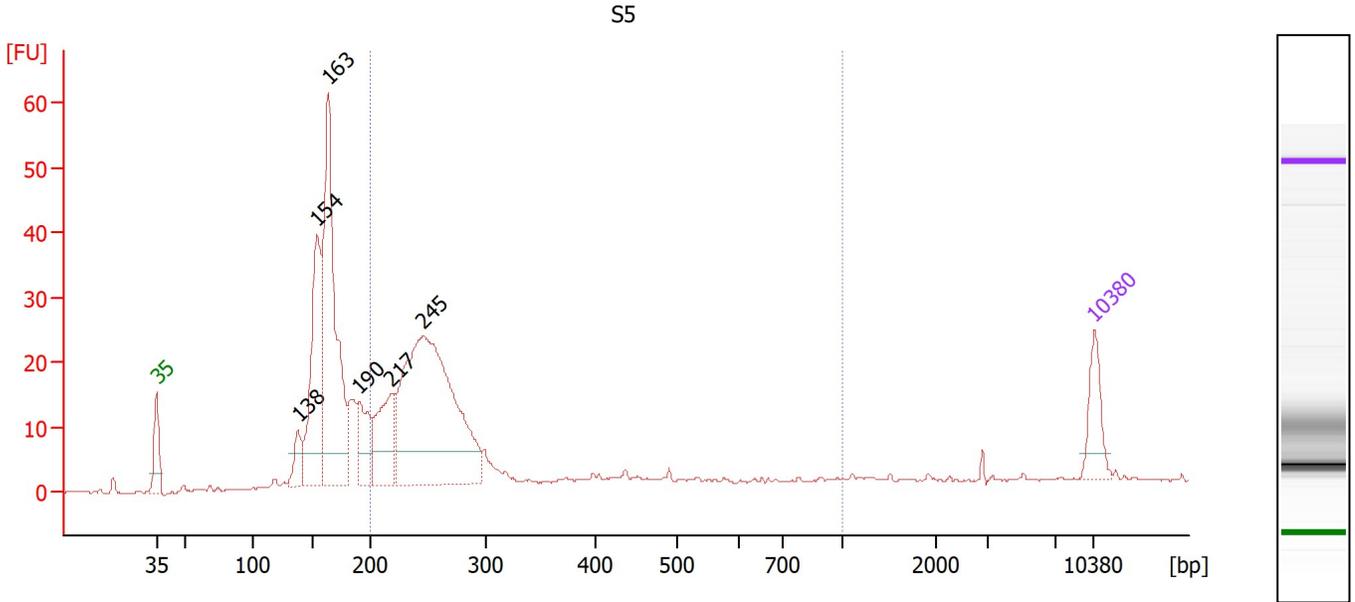
Region table for sample 4 : S4

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	123.4	44	291	54.5	902.89	5,469.5	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2026-01-23_002.xad

Created: 1/23/2026 12:04:27 PM
 Modified: 1/23/2026 1:08:22 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : S5

Number of peaks found: 6 Corr. Area 1: 241.1
 Noise: 0.2

Peak table for sample 5 : S5

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	138	76.62	842.4	
3	154	396.89	3,914.1	
4	163	731.08	6,778.1	
5	190	136.03	1,084.9	
6	217	195.17	1,360.1	
7	245	940.31	5,816.2	
8	10,380	75.00	10.9	Upper Marker

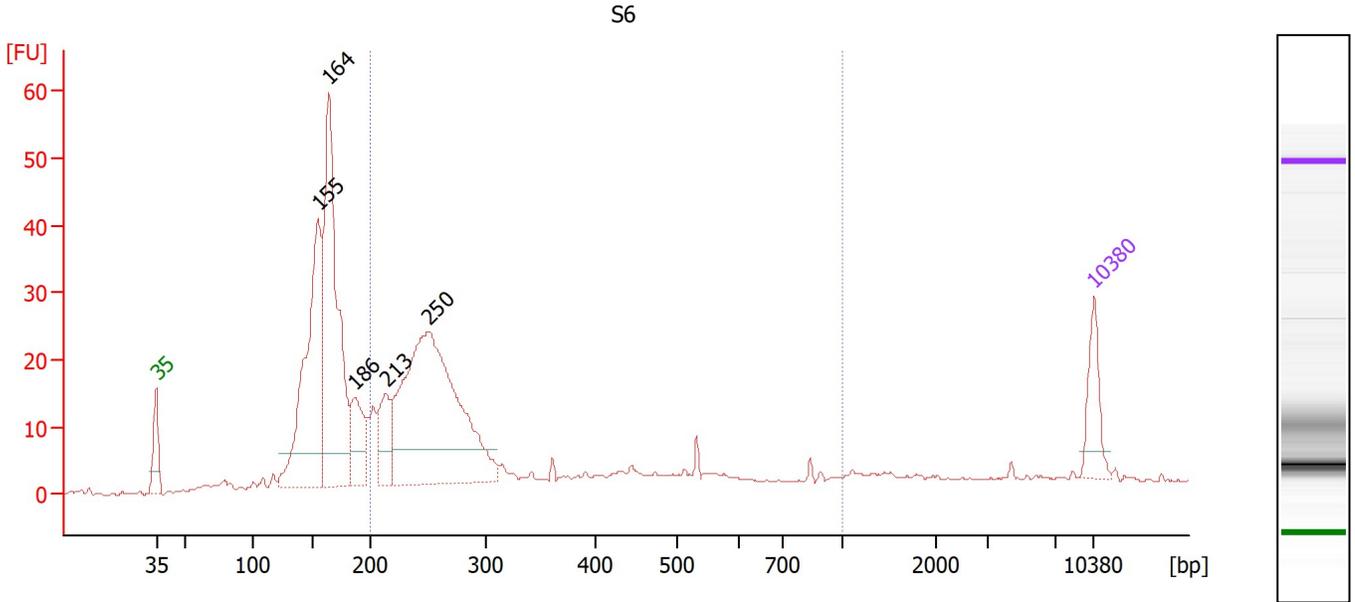
Region table for sample 5 : S5

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	241.1	49	299	43.7	1,501.57	8,619.2	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2026-01-23_002.xad

Created: 1/23/2026 12:04:27 PM
 Modified: 1/23/2026 1:08:22 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : S6

Number of peaks found: 5 Corr. Area 1: 260.0
 Noise: 0.2

Peak table for sample 6 : S6

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	155	606.39	5,945.6	
3	164	733.65	6,764.7	
4	186	147.00	1,196.4	
5	213	116.52	830.2	
6	250	924.45	5,603.4	
7	10,380	75.00	10.9	Upper Marker

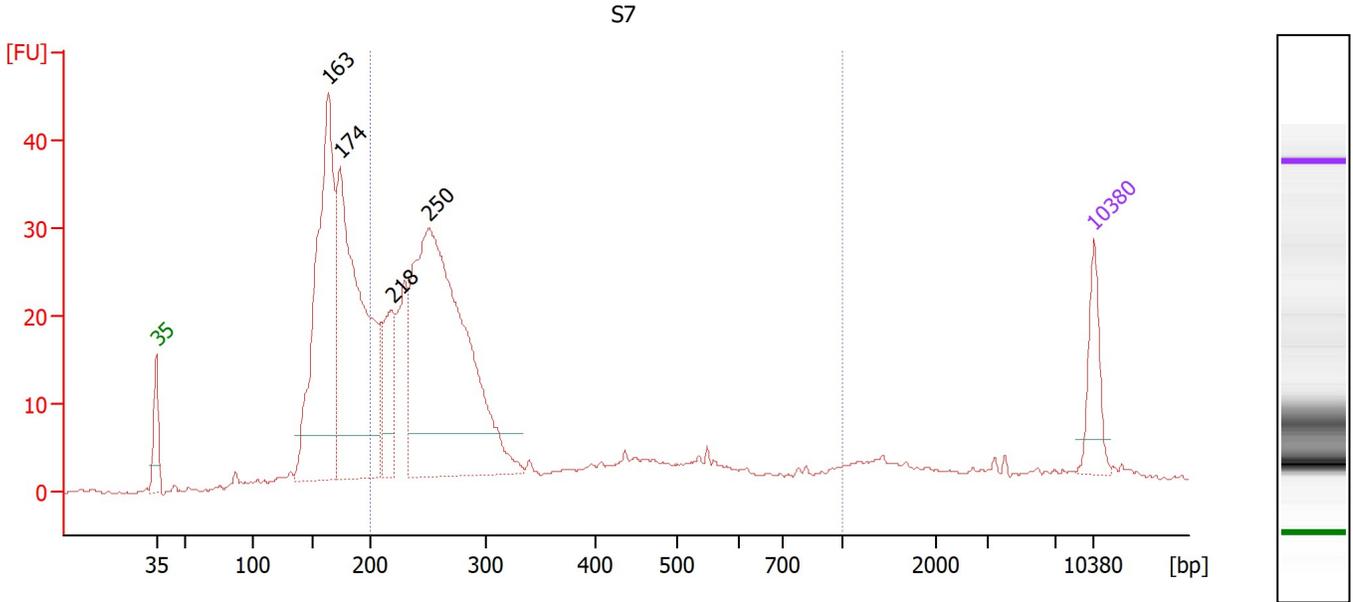
Region table for sample 6 : S6

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	260.0	47	321	46.0	1,510.33	8,368.5	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2026-01-23_002.xad

Created: 1/23/2026 12:04:27 PM
 Modified: 1/23/2026 1:08:22 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : S7

Number of peaks found: 4 Corr. Area 1: 347.8
 Noise: 0.2

Peak table for sample 7 : S7

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	163	723.93	6,721.7	
3	174	791.22	6,888.4	
4	218	170.03	1,183.8	
5	250	1,088.55	6,604.0	
6	10,380	75.00	10.9	Upper Marker

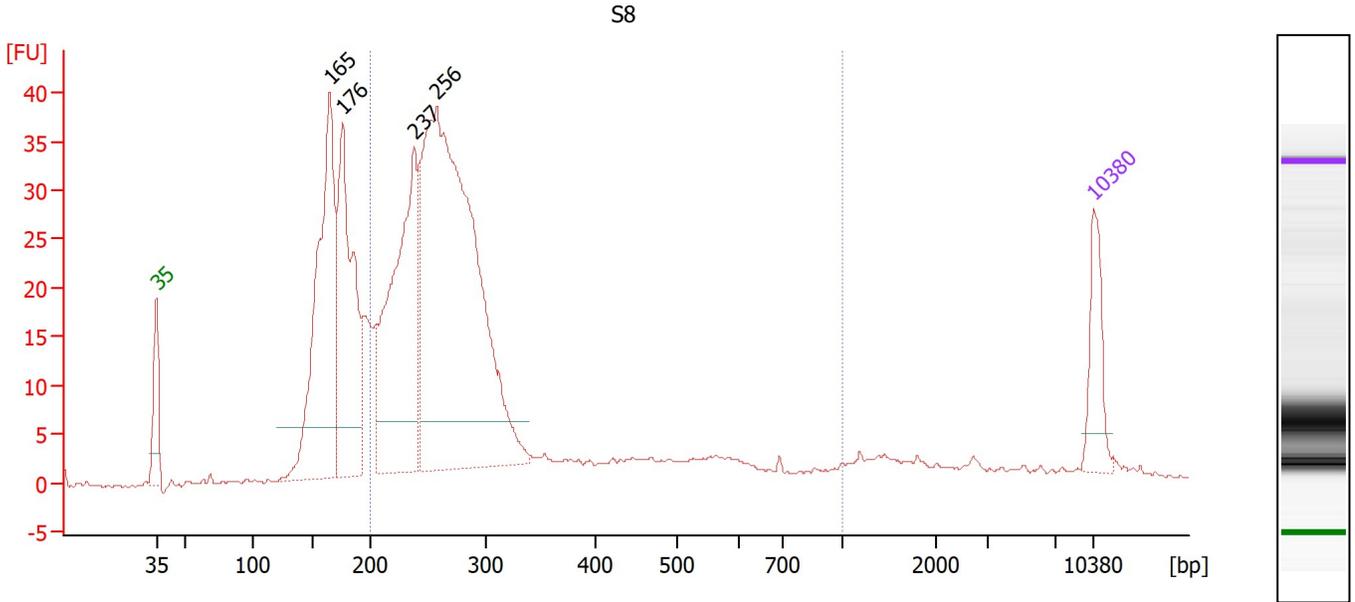
Region table for sample 7 : S7

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	347.8	55	314	45.1	2,015.74	11,268.4	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2026-01-23_002.xad

Created: 1/23/2026 12:04:27 PM
 Modified: 1/23/2026 1:08:22 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : S8

Number of peaks found: 4 Corr. Area 1: 436.8
 Noise: 0.2

Peak table for sample 8 : S8

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	165	569.28	5,230.7	
3	176	421.78	3,633.5	
4	237	559.45	3,581.8	
5	256	1,235.71	7,300.2	
6	10,380	75.00	10.9	Upper Marker

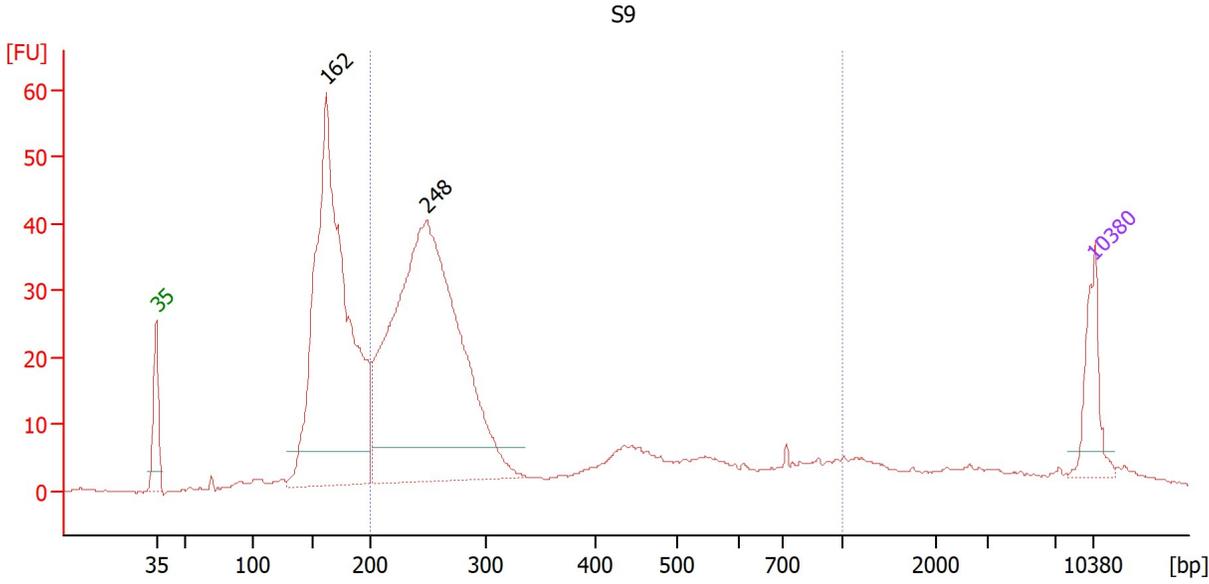
Region table for sample 8 : S8

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	436.8	63	305	40.7	2,261.98	12,575.5	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2026-01-23_002.xad

Created: 1/23/2026 12:04:27 PM
 Modified: 1/23/2026 1:08:22 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : S9

Number of peaks found: 2 Corr. Area 1: 452.8
 Noise: 0.2

Peak table for sample 9 : S9

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	162	1,105.18	10,333.2	
3	248	1,288.75	7,871.2	
4	10,380	75.00	10.9	Upper Marker

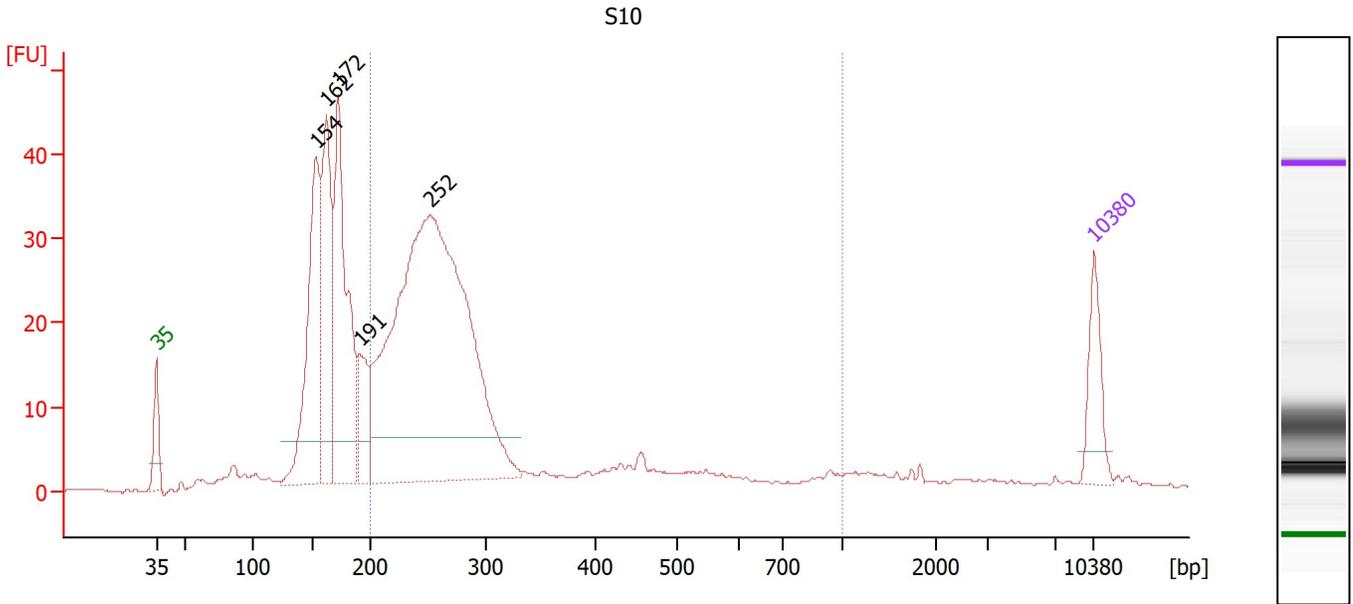
Region table for sample 9 : S9

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	452.8	57	337	49.6	1,725.86	9,432.2	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2026-01-23_002.xad

Created: 1/23/2026 12:04:27 PM
 Modified: 1/23/2026 1:08:22 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : S10

Number of peaks found: 5 Corr. Area 1: 360.5
 Noise: 0.2

Peak table for sample 10 : S10

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	154	426.75	4,209.2	
3	162	323.00	3,018.6	
4	172	467.53	4,114.1	
5	191	111.09	882.4	
6	252	1,525.12	9,183.0	
7	10,380	75.00	10.9	Upper Marker

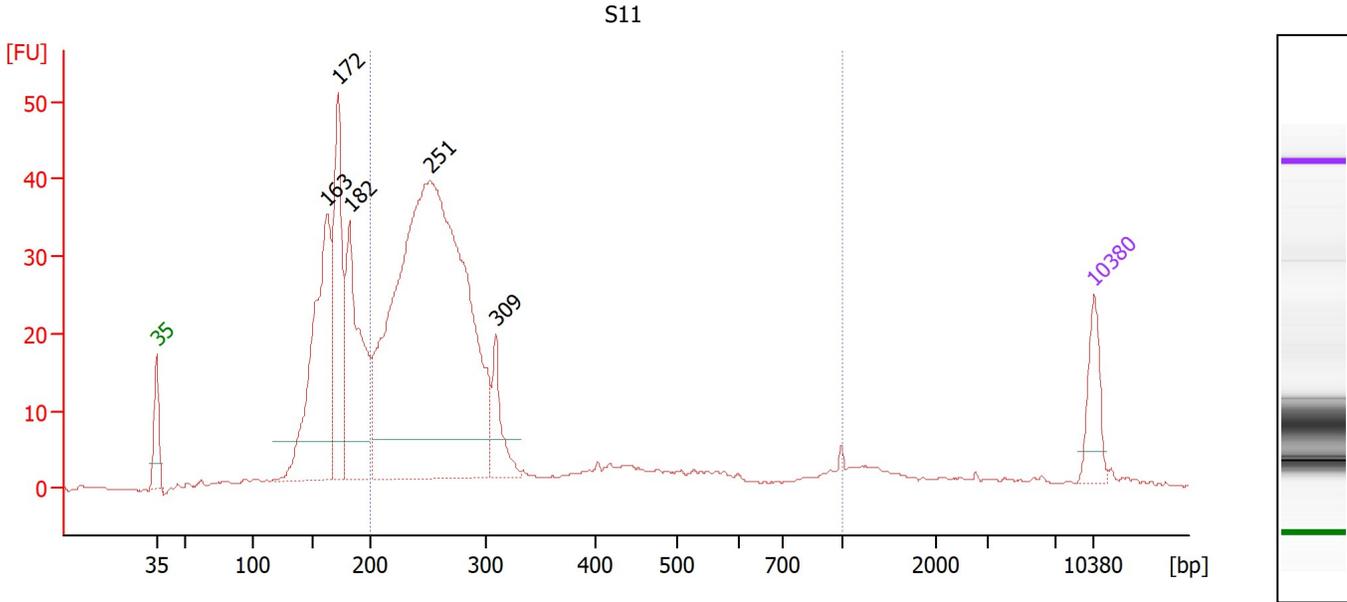
Region table for sample 10 : S10

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	360.5	55	302	42.2	1,869.17	10,535.6	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2026-01-23_002.xad

Created: 1/23/2026 12:04:27 PM
 Modified: 1/23/2026 1:08:22 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : S11

Number of peaks found: 5 Corr. Area 1: 437.1
 Noise: 0.2

Peak table for sample 11 : S11

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	163	580.85	5,414.4	
3	172	394.99	3,484.4	
4	182	434.01	3,618.3	
5	251	2,046.92	12,337.7	
6	309	112.72	553.6	
7	10,380	75.00	10.9	Upper Marker

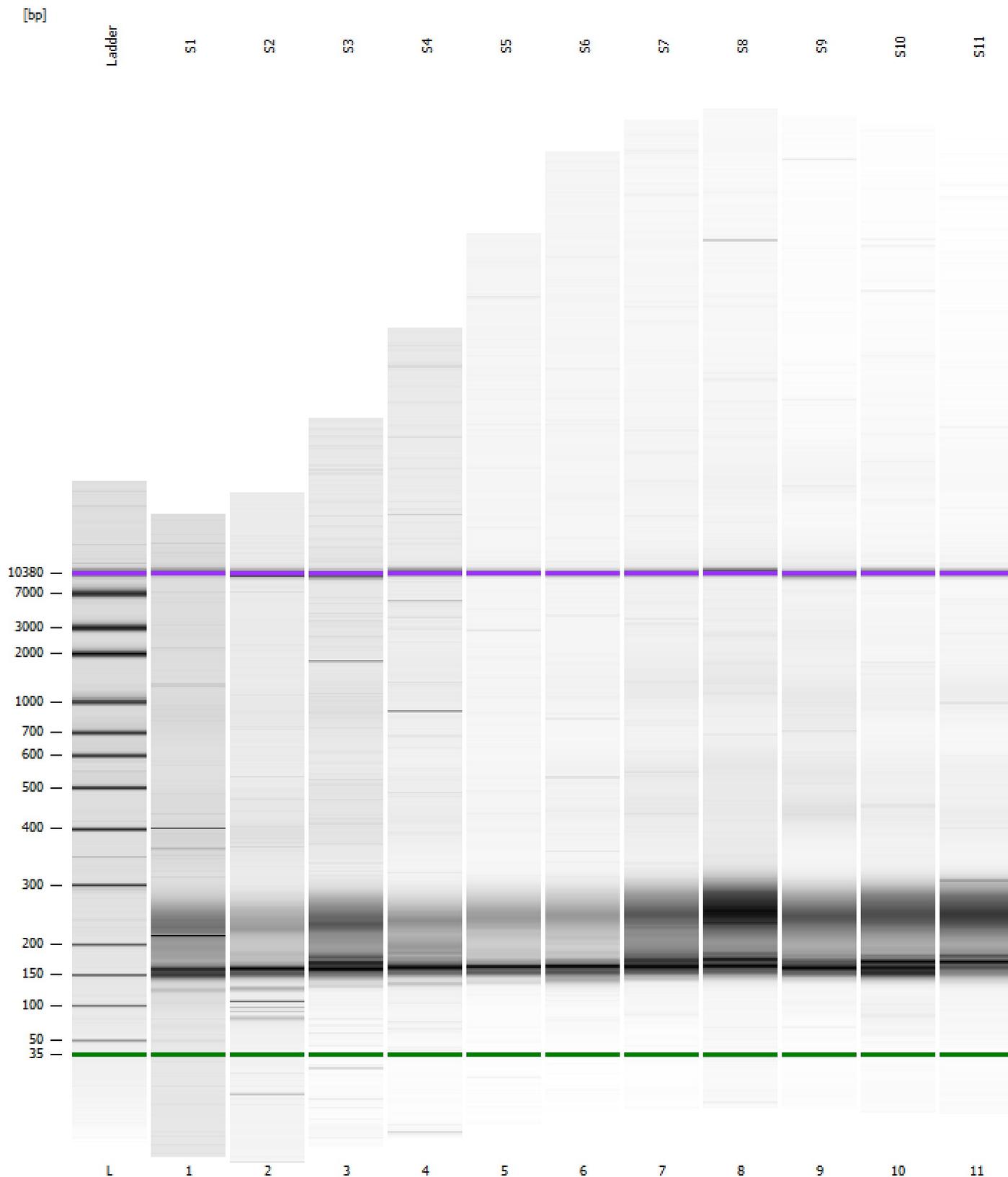
Region table for sample 11 : S11

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	437.1	61	300	42.9	2,595.51	14,669.6	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2026-01-23_002.xad

Created: 1/23/2026 12:04:27 PM
Modified: 1/23/2026 1:08:22 PM

Gel Image



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2026-01-23_002.xad

Created: 1/23/2026 12:04:27 PM
 Modified: 1/23/2026 1:08:22 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		1/23/2026 12:44:54 PM	(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\2026-01-23\Bioanalyzer1_High Sensitivity DNA Assay_DE34903152_2026-01-23_002.xad)		Instrument	Run		1/23/2026 12:04:33 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		1/23/2026 12:04:33 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		1/23/2026 12:04:33 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		1/23/2026 12:04:33 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		1/23/2026 12:04:33 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		1/23/2026 12:04:33 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		1/23/2026 12:04:33 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB