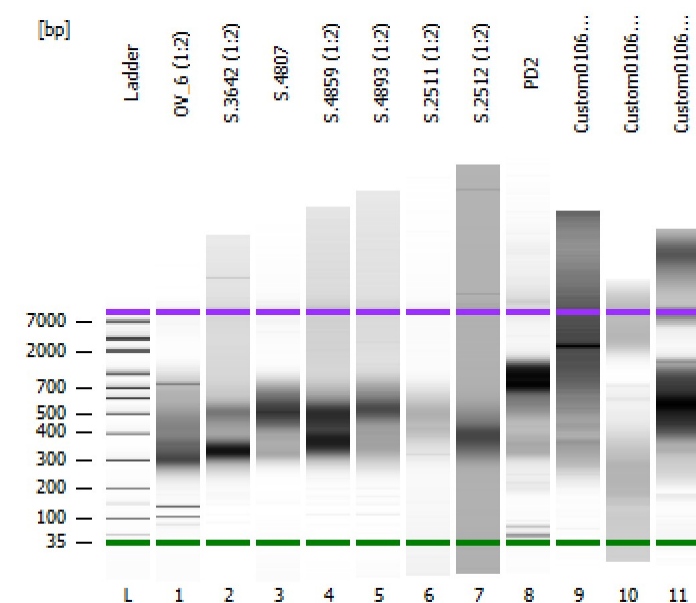


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-06-17_002.xad

Created: 6/17/2025 2:13:33 PM
Modified: 6/17/2025 2:53:59 PM

Electrophoresis File Run Summary



Instrument Information:

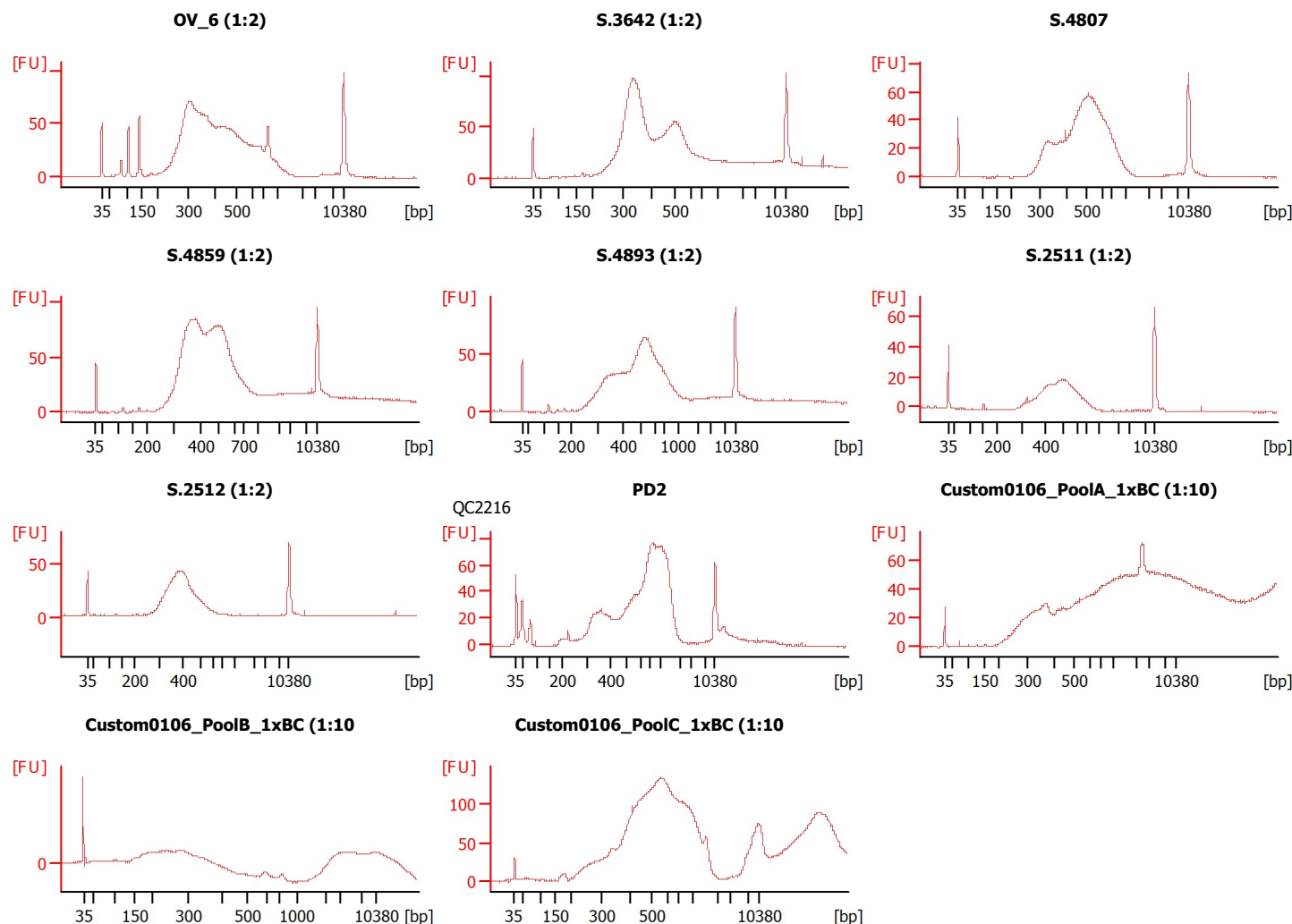
Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

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_002.xad

Created: 6/17/2025 2:13:33 PM
 Modified: 6/17/2025 2:53:59 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
OV_6 (1:2)		☐	✓			
S.3642 (1:2)		☐	✓			
S.4807		☐	✓			
S.4859 (1:2)		☐	✓			
S.4893 (1:2)		☐	✓			
S.2511 (1:2)		☐	✓			
S.2512 (1:2)		☐	✓			
PD2	QC2216	☐	✓			
Custom0106_PoolA_1xBC (1:10)		☐	✓			
Custom0106_PoolB_1xBC (1:10)		☐	✓			
Custom0106_PoolC_1xBC (1:10)		☐	✓			
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_002.xad

Created: 6/17/2025 2:13:33 PM
Modified: 6/17/2025 2:53:59 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

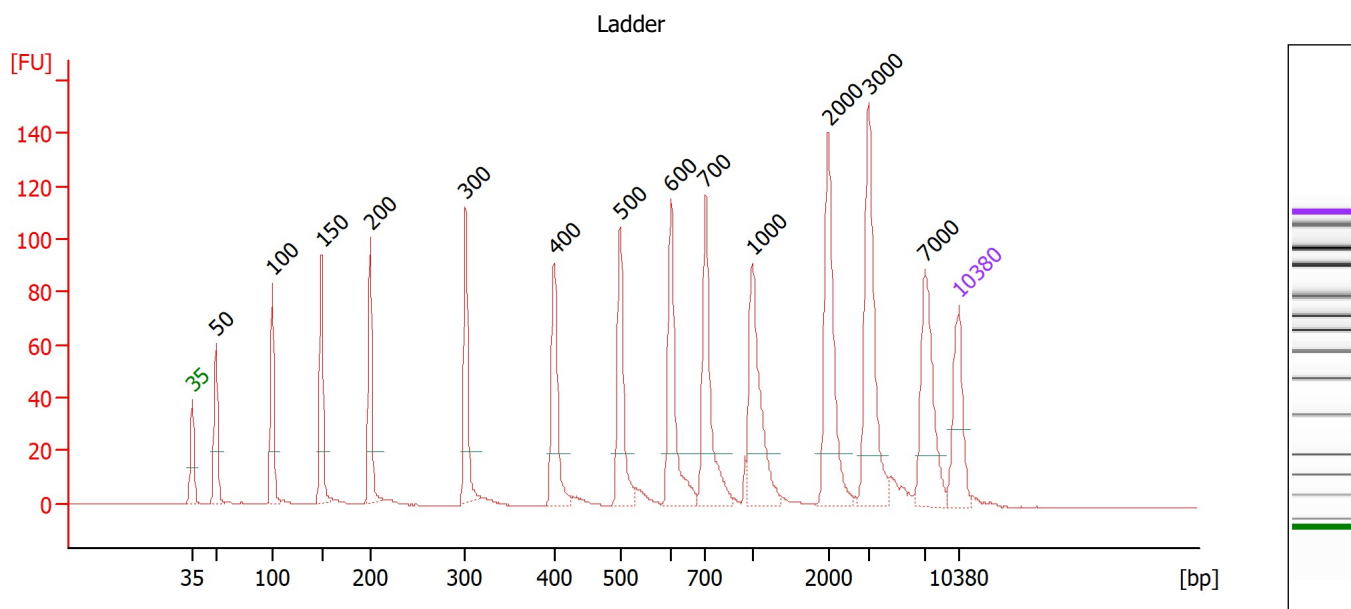
Ladder

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_002.xad

Created: 6/17/2025 2:13:33 PM
Modified: 6/17/2025 2:53:59 PM

Electropherogram Summary



Overall Results for Ladder

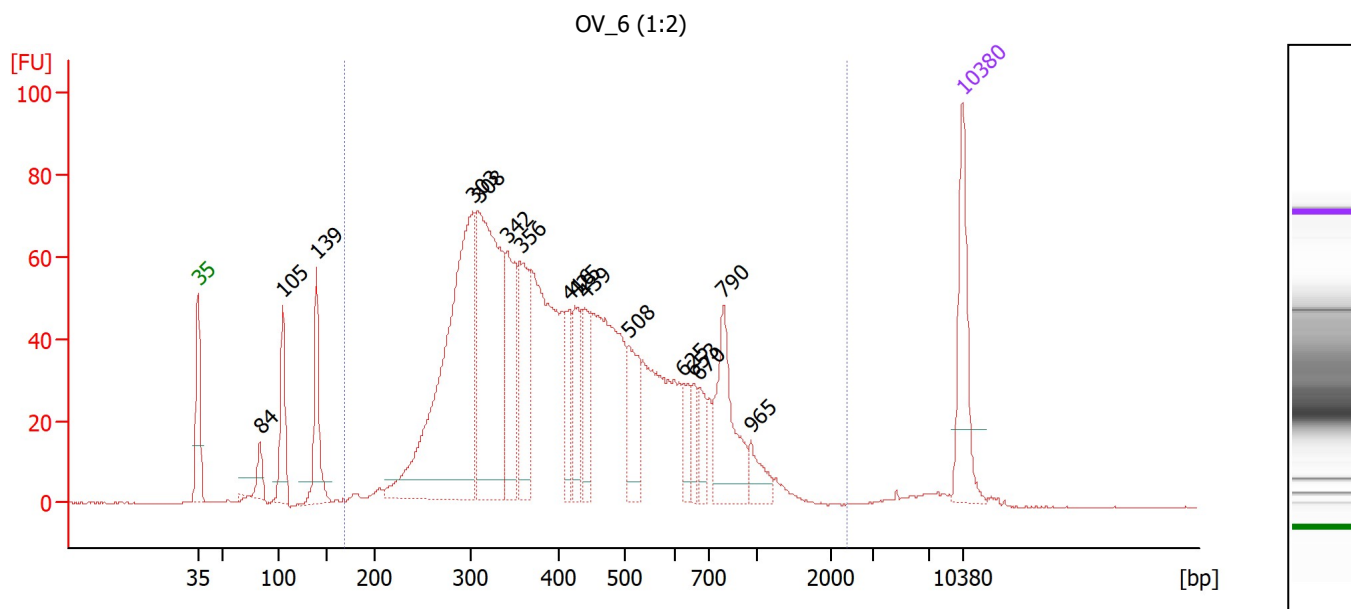
Noise: 0.1

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_002.xad

Created: 6/17/2025 2:13:33 PM
 Modified: 6/17/2025 2:53:59 PM

Electropherogram Summary Continued ...**Overall Results for sample 1 : OV_6 (1:2)**

Number of peaks found: 16 Corr. Area 1: 1,787.2
 Noise: 0.1

Peak table for sample 1 : OV_6 (1:2)

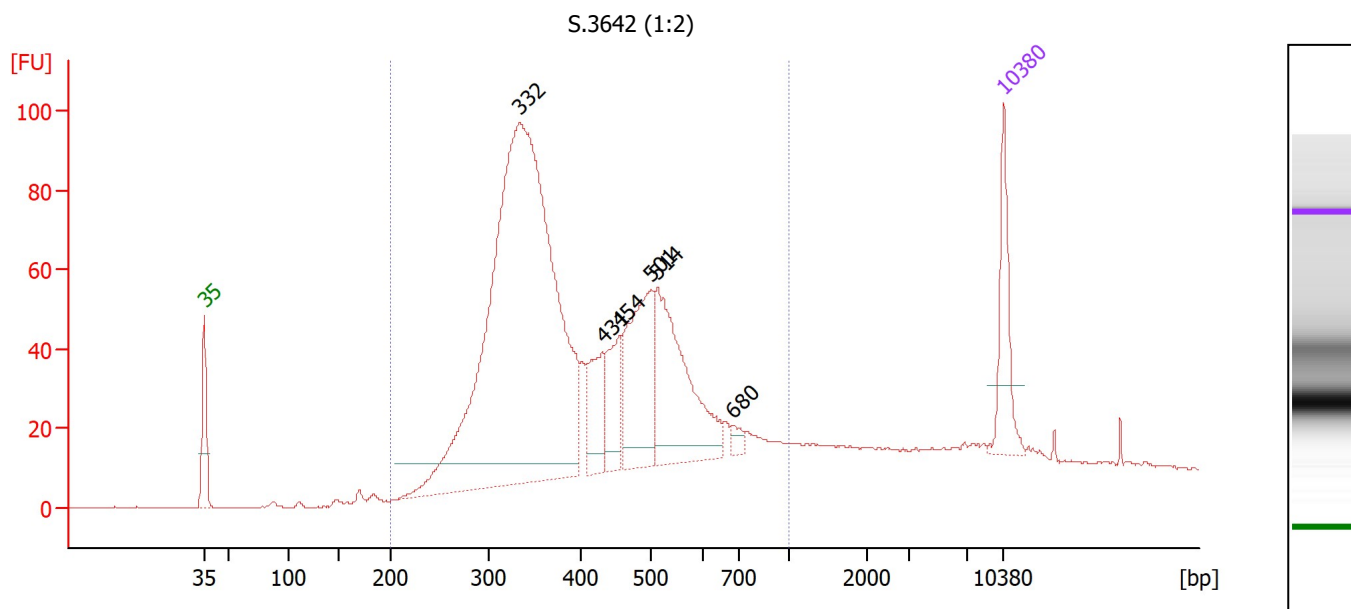
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	84	28.28	510.0	
3	105	90.66	1,306.5	
4	139	100.17	1,090.9	
5	303	485.52	2,428.7	
6	308	354.22	1,740.6	
7	342	119.75	531.2	
8	356	122.94	523.1	
9	416	52.00	189.5	
10	425	63.41	226.3	
11	439	65.70	226.7	
12	508	72.51	216.2	
13	625	29.96	72.6	
14	653	24.17	56.1	
15	670	28.08	63.5	
16	790	106.61	204.4	
17	965	26.11	41.0	
18	10,380	75.00	10.9	Upper Marker

Region table for sample 1 : OV_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
167	2,372	1,787.2	92	453	43.6	2,344.20	9,417.6	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-06-17_002.xad

Created: 6/17/2025 2:13:33 PM
 Modified: 6/17/2025 2:53:59 PM

Electropherogram Summary Continued ...**Overall Results for sample 2 : S.3642 (1:2)**

Number of peaks found: 6 Corr. Area 1: 1,523.4
 Noise: 0.1

Peak table for sample 2 : S.3642 (1:2)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	332	1,412.17	6,436.6	
3	431	89.36	314.4	
4	454	84.31	281.1	
5	501	207.21	626.9	
6	514	260.52	768.4	
7	680	11.93	26.6	
8	10,380	75.00	10.9	Upper Marker

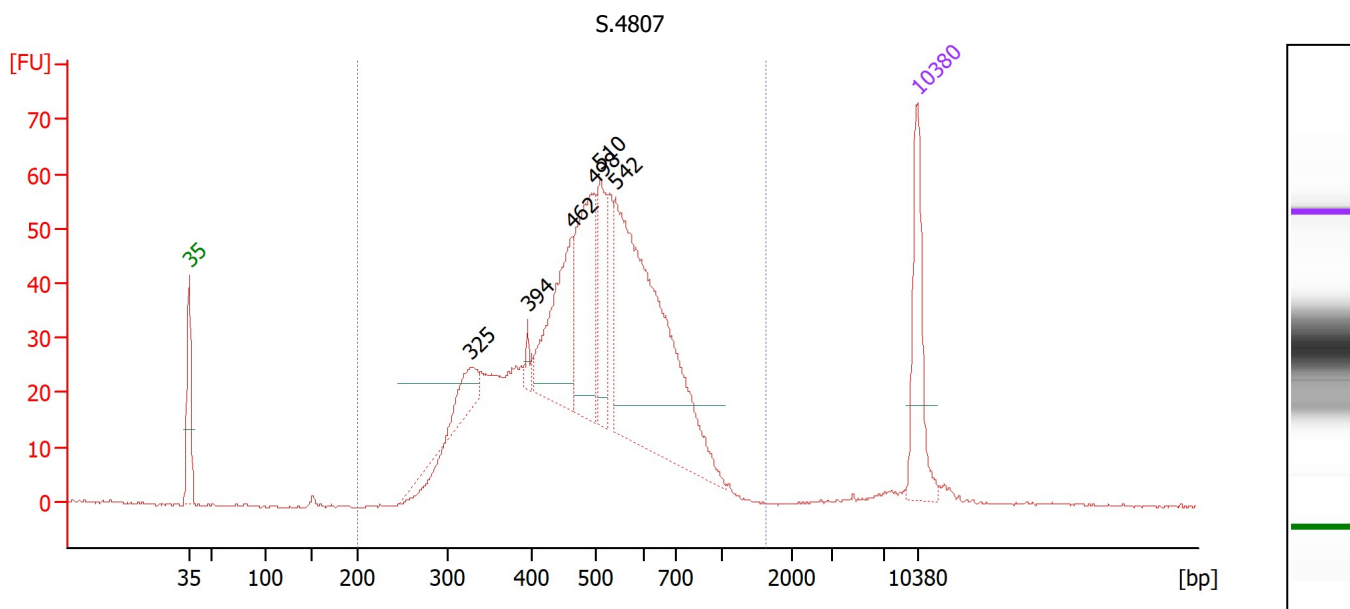
Region table for sample 2 : S.3642 (1:2)

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	1,523.4	88	427	31.9	2,409.99	9,574.2	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-06-17_002.xad

Created: 6/17/2025 2:13:33 PM
Modified: 6/17/2025 2:53:59 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : S.4807

Number of peaks found: 6
Noise: 0.2
Corr. Area 1: 1,100.9

Peak table for sample 3 : S.4807

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	325	44.97	209.4	
3	394	9.50	36.5	
4	462	135.52	444.1	
5	498	148.75	452.5	
6	510	75.76	225.2	
7	542	404.67	1,131.6	
8	10,380	75.00	10.9	Upper Marker

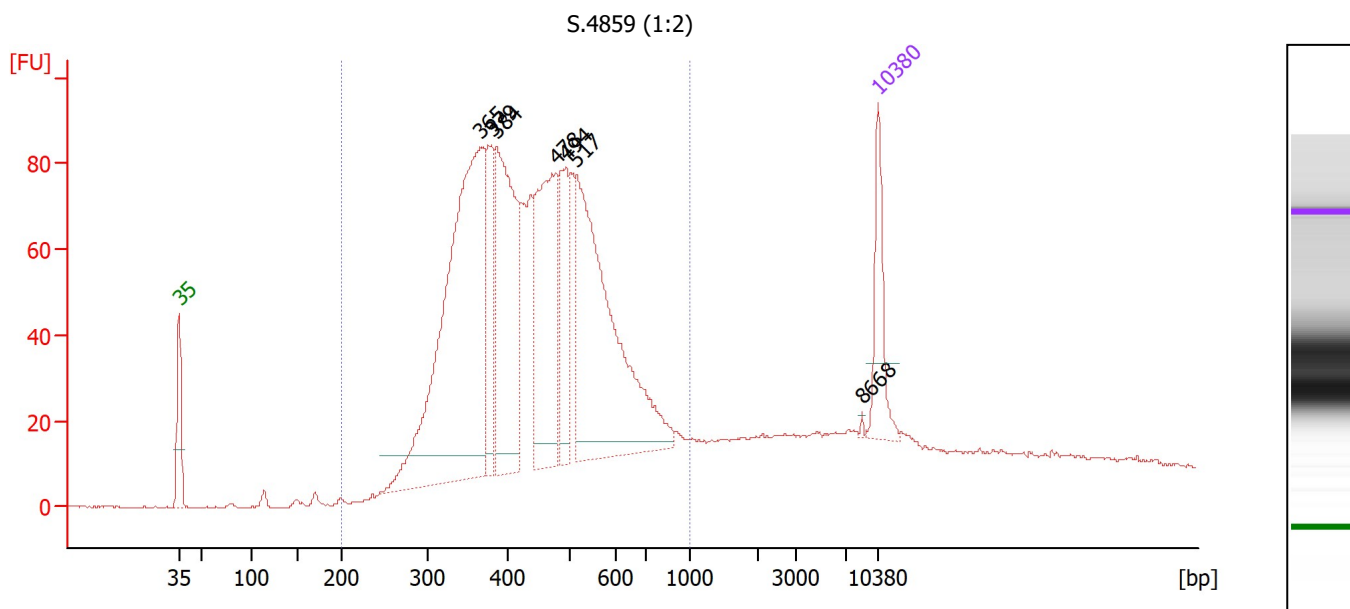
Region table for sample 3 : S.4807

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,616	1,100.9	98	511	28.6	1,653.03	5,432.6	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-06-17_002.xad

Created: 6/17/2025 2:13:33 PM
Modified: 6/17/2025 2:53:59 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : S.4859 (1:2)

Number of peaks found: 7 Corr. Area 1: 1,754.8
Noise: 0.2

Peak table for sample 4 : S.4859 (1:2)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	365	792.15	3,292.3	
3	379	131.91	527.2	
4	384	369.18	1,455.2	
5	478	314.05	995.0	
6	494	139.16	426.7	
7	517	520.41	1,526.1	
8	8,668	1.91	0.3	
9	10,380	75.00	10.9	Upper Marker

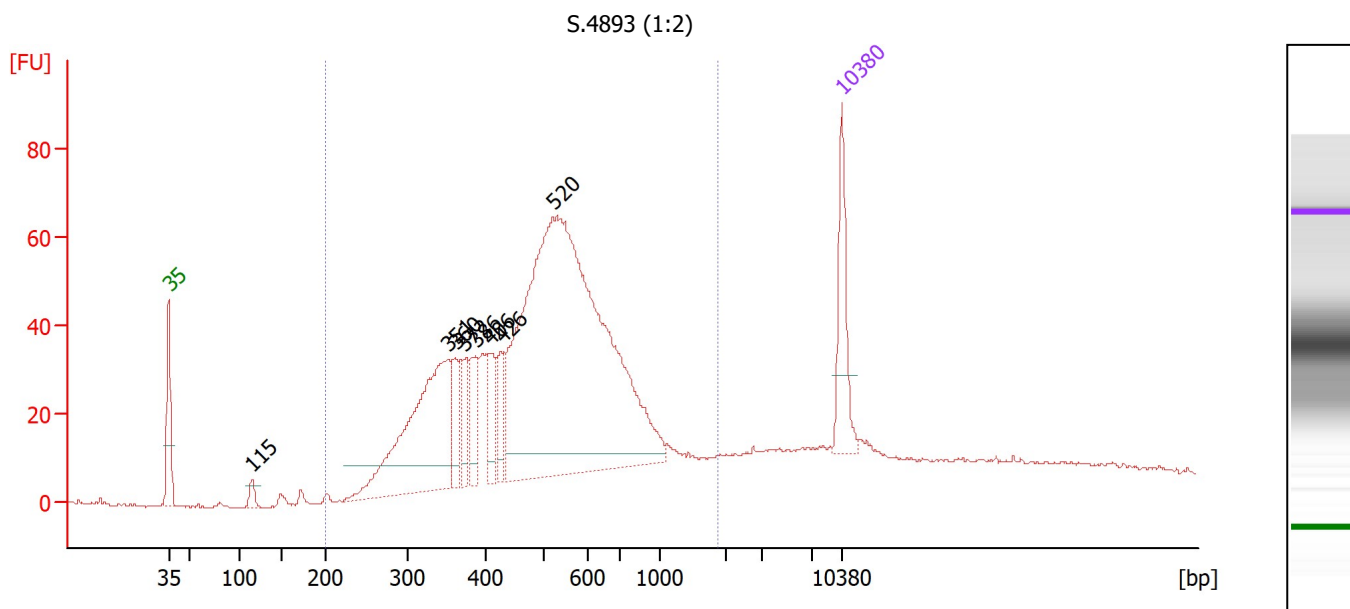
Region table for sample 4 : S.4859 (1:2)

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	1,754.8	87	458	27.2	2,846.21	10,248.2	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-06-17_002.xad

Created: 6/17/2025 2:13:33 PM
Modified: 6/17/2025 2:53:59 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : S.4893 (1:2)

Number of peaks found: 8 Corr. Area 1: 1,189.6
Noise: 0.4

Peak table for sample 5 : S.4893 (1:2)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	115	18.23	240.2	
3	351	353.24	1,525.2	
4	360	48.67	204.9	
5	372	46.86	190.8	
6	386	59.68	234.3	
7	406	54.81	204.5	
8	426	47.00	167.1	
9	520	1,102.88	3,212.7	
10	10,380	75.00	10.9	Upper Marker

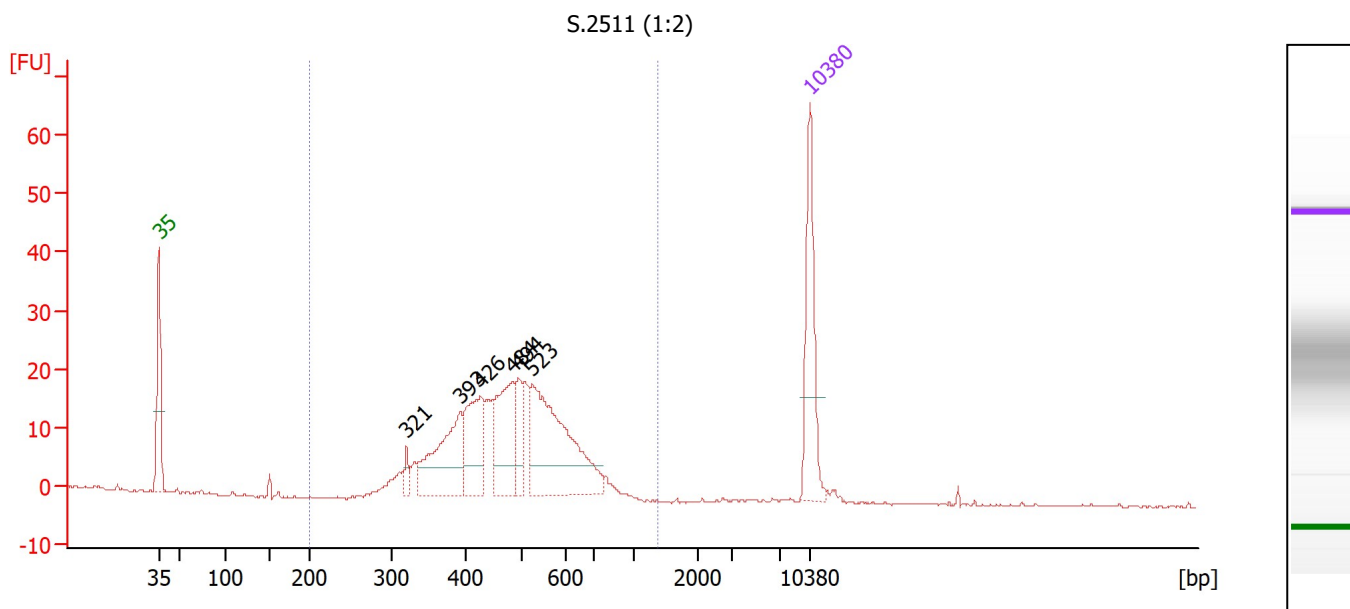
Region table for sample 5 : S.4893 (1:2)

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,859	1,189.6	87	545	43.1	1,966.02	6,463.8	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-06-17_002.xad

Created: 6/17/2025 2:13:33 PM
Modified: 6/17/2025 2:53:59 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : S.2511 (1:2)

Number of peaks found: 6 Corr. Area 1: 326.5
Noise: 0.1

Peak table for sample 6 : S.2511 (1:2)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	321	11.93	56.3	
3	393	106.15	409.4	
4	426	79.53	282.6	
5	484	88.13	276.2	
6	494	33.32	102.2	
7	523	178.49	517.0	
8	10,380	75.00	10.9	Upper Marker

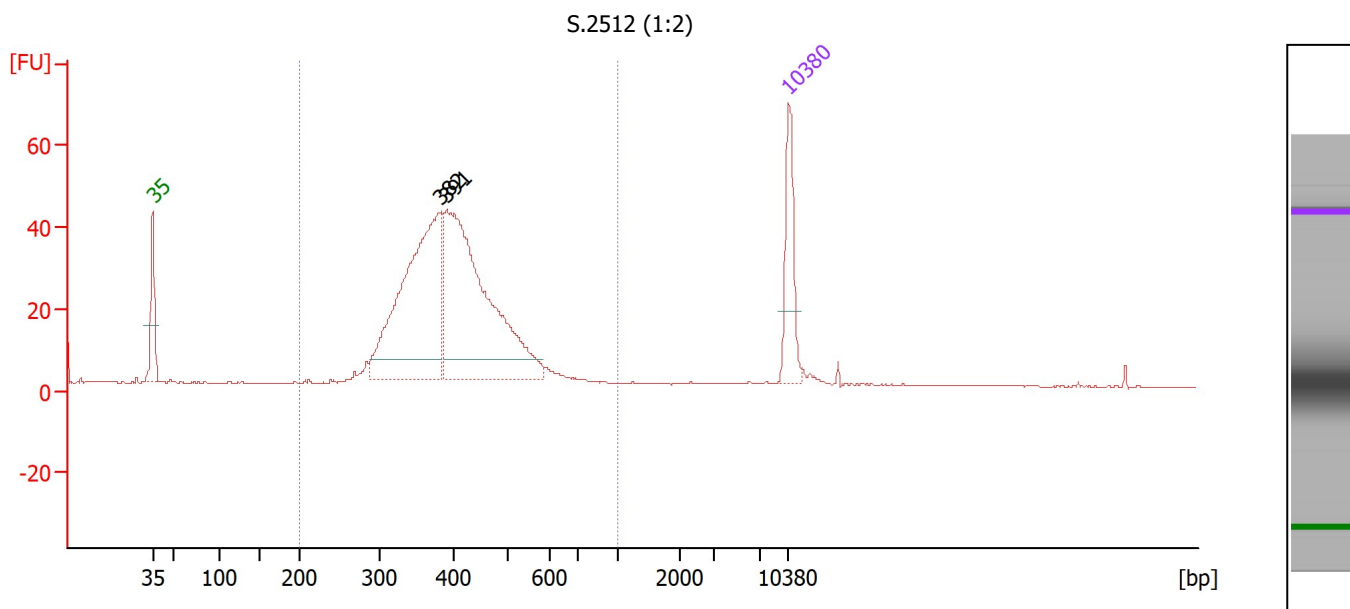
Region table for sample 6 : S.2511 (1:2)

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,368	326.5	99	486	21.5	586.58	1,942.0	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-06-17_002.xad

Created: 6/17/2025 2:13:33 PM
Modified: 6/17/2025 2:53:59 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : S.2512 (1:2)

Number of peaks found: 2 Corr. Area 1: 594.8
Noise: 0.1

Peak table for sample 7 : S.2512 (1:2)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	382	416.12	1,651.0	
3	391	486.09	1,882.0	
4	10,380	75.00	10.9	Upper Marker

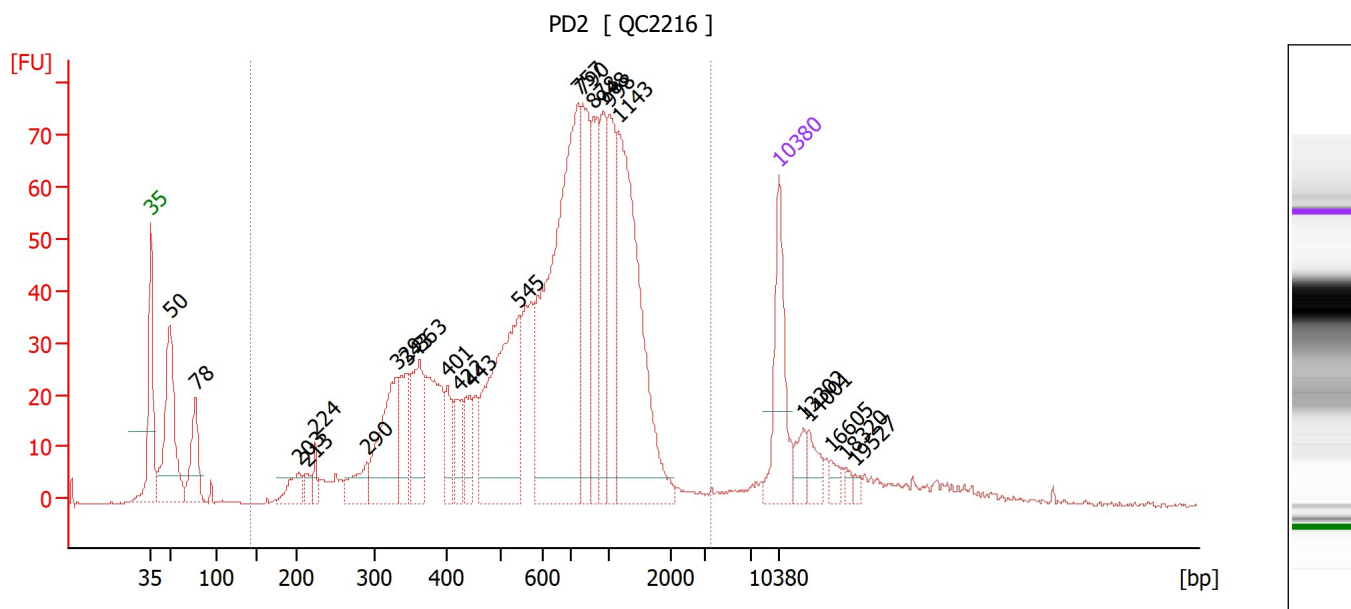
Region table for sample 7 : S.2512 (1:2)

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	594.8	96	406	19.4	1,031.36	4,010.7	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-06-17_002.xad

Created: 6/17/2025 2:13:33 PM
 Modified: 6/17/2025 2:53:59 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : PD2

Number of peaks found: 24 Corr. Area 1: 1,464.4
 Noise: 0.1

Peak table for sample 8 : PD2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	50	189.39	5,728.4	
3	78	76.24	1,480.7	
4	203	30.30	226.0	
5	213	13.87	98.5	
6	224	16.24	109.7	
7	290	35.88	187.2	
8	329	117.53	540.5	
9	343	54.53	240.5	
10	363	81.71	341.5	
11	401	30.16	113.9	
12	422	36.13	129.8	
13	443	34.02	116.5	
14	545	209.87	584.0	
15	757	402.07	804.8	
16	790	119.55	229.2	
17	878	81.86	141.3	
18	948	79.36	126.8	
19	998	103.00	156.3	
20	1,143	259.67	344.2	
21	10,380	75.00	10.9	Upper Marker
22	13,302	0.00	0.0	
23	14,001	0.00	0.0	
24	16,605	0.00	0.0	
25	18,320	0.00	0.0	
26	19,527	0.00	0.0	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-06-17_002.xad

Created: 6/17/2025 2:13:33 PM
 Modified: 6/17/2025 2:53:59 PM

Electropherogram Summary Continued ...

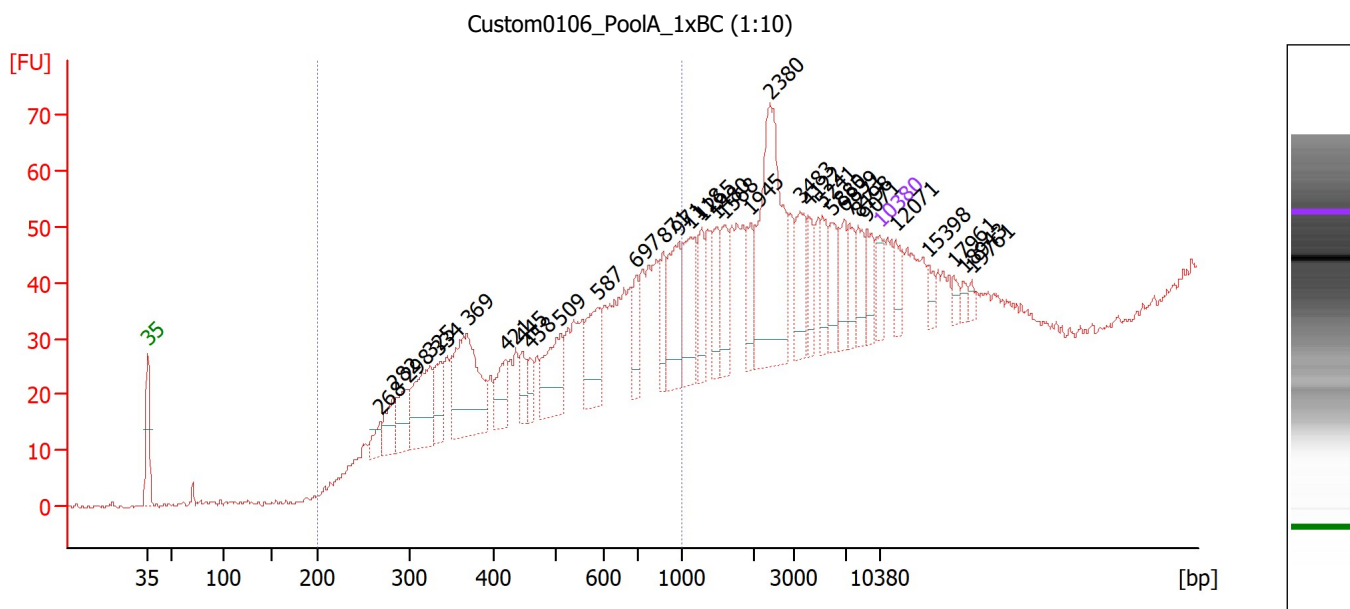
... Region table for sample 8 :

PD2

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Co lor
143	3,509	1,464.4	85	766	51.8	2,013.84	5,677.6	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-06-17_002.xad

Created: 6/17/2025 2:13:33 PM
 Modified: 6/17/2025 2:53:59 PM

Electropherogram Summary Continued ...**Overall Results for sample 9 : Custom0106 PoolA 1xBC (1:10)**

Number of peaks found: 33 Corr. Area 1: 445.6
 Noise: 0.4

Peak table for sample 9 : Custom0106 PoolA 1xBC (1:10)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	268	77.59	438.2	
3	282	139.80	750.2	
4	298	161.57	821.0	
5	325	327.61	1,526.4	
6	334	142.33	645.6	
7	369	536.62	2,204.6	
8	421	139.43	502.0	
9	445	82.56	280.9	
10	458	69.35	229.4	
11	509	248.97	740.7	
12	587	214.20	553.3	
13	697	110.61	240.6	
14	871	113.94	198.2	
15	971	238.96	372.8	
16	1,118	239.67	324.9	
17	1,265	119.03	142.5	
18	1,480	114.78	117.5	
19	1,568	136.63	132.0	
20	1,945	94.35	73.5	
21	2,380	585.99	373.0	
22	3,483	152.47	66.3	
23	4,122	85.38	31.4	
24	5,241	101.58	29.4	
25	5,880	102.31	26.4	
26	6,839	105.75	23.4	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-06-17_002.xad

Created: 6/17/2025 2:13:33 PM
 Modified: 6/17/2025 2:53:59 PM

Electropherogram Summary Continued ...

... Peak table for sample 9 : Custom0106 PoolA 1xBC (1:10)

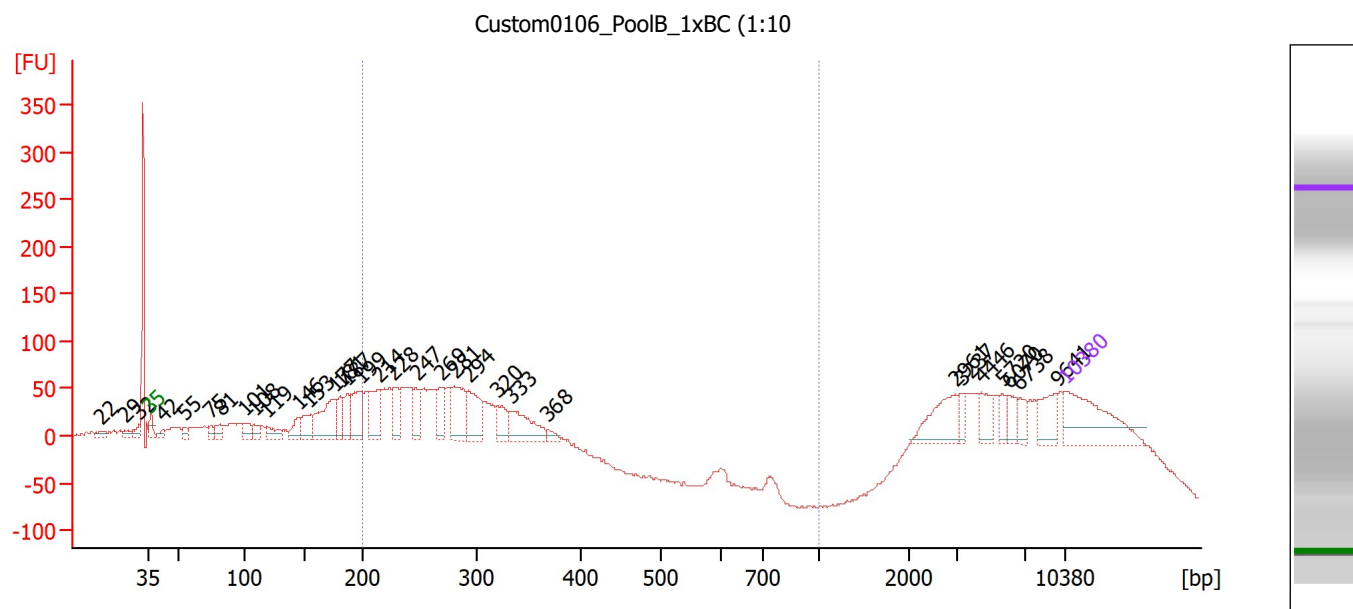
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	7,271	78.50	16.4	
28	8,198	94.11	17.4	
29	9,071	82.36	13.8	
30	10,380	75.00	10.9	Upper Marker
31	12,071	0.00	0.0	
32	15,398	0.00	0.0	
33	17,961	0.00	0.0	
34	18,943	0.00	0.0	
35	19,761	0.00	0.0	

Region table for sample 9 : Custom0106 PoolA 1xBC (1:10)

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	445.6	47	567	35.9	3,188.17	10,328.0	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-06-17_002.xad

Created: 6/17/2025 2:13:33 PM
Modified: 6/17/2025 2:53:59 PM

Electropherogram Summary Continued ...**Overall Results for sample 10 : Custom0106 PoolB 1xBC (1:10)**

Number of peaks found: 32 Corr. Area 1: 1,654.4
Noise: 1.5

Peak table for sample 10 : Custom0106 PoolB 1xBC (1:10)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	22	0.00	0.0	
2	29	0.00	0.0	
3	32	0.00	0.0	
4	35	125.00	5,411.3	Lower Marker
5	42	11.55	417.2	
6	55	13.70	375.8	
7	75	13.92	282.3	
8	81	16.67	310.0	
9	101	24.49	368.6	
10	108	14.18	198.4	
11	119	24.79	316.5	
12	146	25.76	267.2	
13	153	37.01	365.8	
14	177	85.42	732.3	
15	181	32.61	273.2	
16	187	36.72	297.1	
17	199	61.27	467.1	
18	214	61.33	433.9	
19	228	40.51	269.6	
20	247	32.95	201.9	
21	269	31.60	178.1	
22	281	68.21	367.3	
23	294	60.71	313.4	
24	320	32.16	152.2	
25	333	60.14	273.4	
26	368	7.06	29.1	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-06-17_002.xad

Created: 6/17/2025 2:13:33 PM
 Modified: 6/17/2025 2:53:59 PM

Electropherogram Summary Continued ...

... Peak table for sample 10 : Custom0106 PoolB 1xBC (1:10)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	2,961	48.42	24.8	
28	3,237	11.04	5.2	
29	4,446	21.11	7.2	
30	5,720	11.57	3.1	
31	6,070	15.07	3.8	
32	6,738	13.54	3.0	
33	9,641	28.03	4.4	
34	10,380	75.00	10.9	Upper Marker

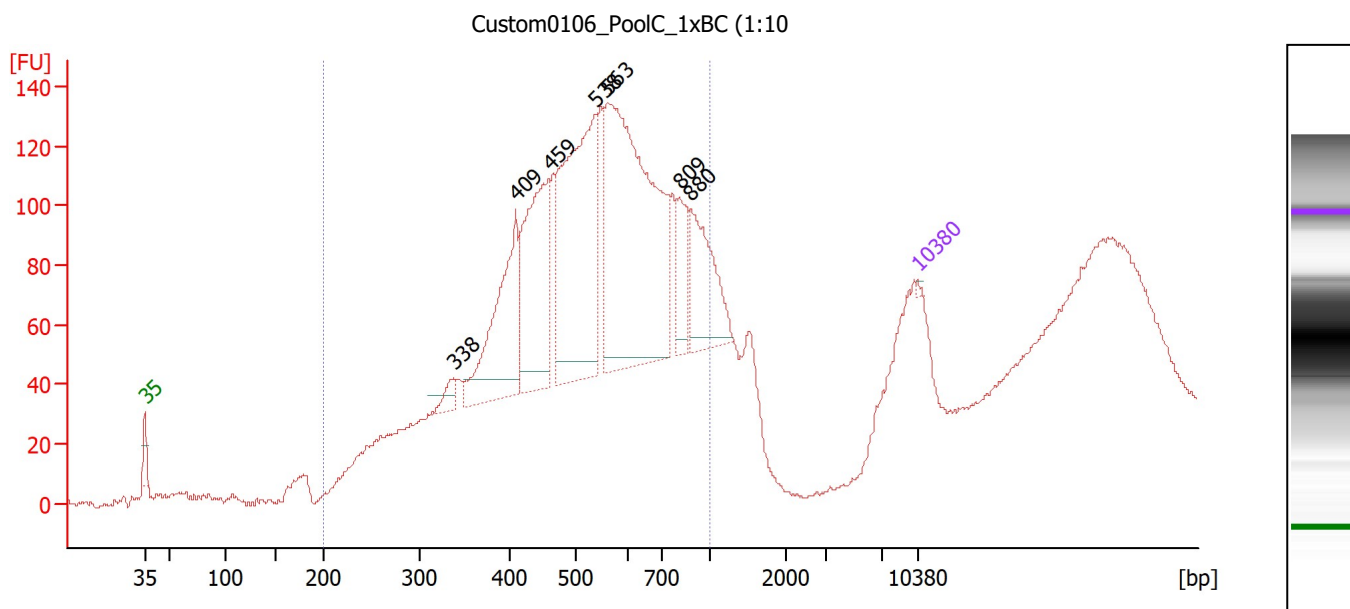
Region table for sample 10 : Custom0106 PoolB 1xBC (1:10)

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	1,654.4	41	283	18.5	949.94	5,277.2	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-06-17_002.xad

Created: 6/17/2025 2:13:33 PM
Modified: 6/17/2025 2:53:59 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : Custom0106 PoolC 1xBC (1:10)

Number of peaks found: 7 Corr. Area 1: 2,632.8
Noise: 0.9

Peak table for sample 11 : Custom0106 PoolC 1xBC (1:10)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	338	1,321.00	5,922.5	
3	409	11,500.50	42,600.2	
4	459	13,769.25	45,403.5	
5	538	21,180.07	59,640.7	
6	563	29,295.19	78,816.9	
7	809	3,428.53	6,418.2	
8	880	6,783.62	11,673.5	
9	10,380	75.00	10.9	Upper Marker

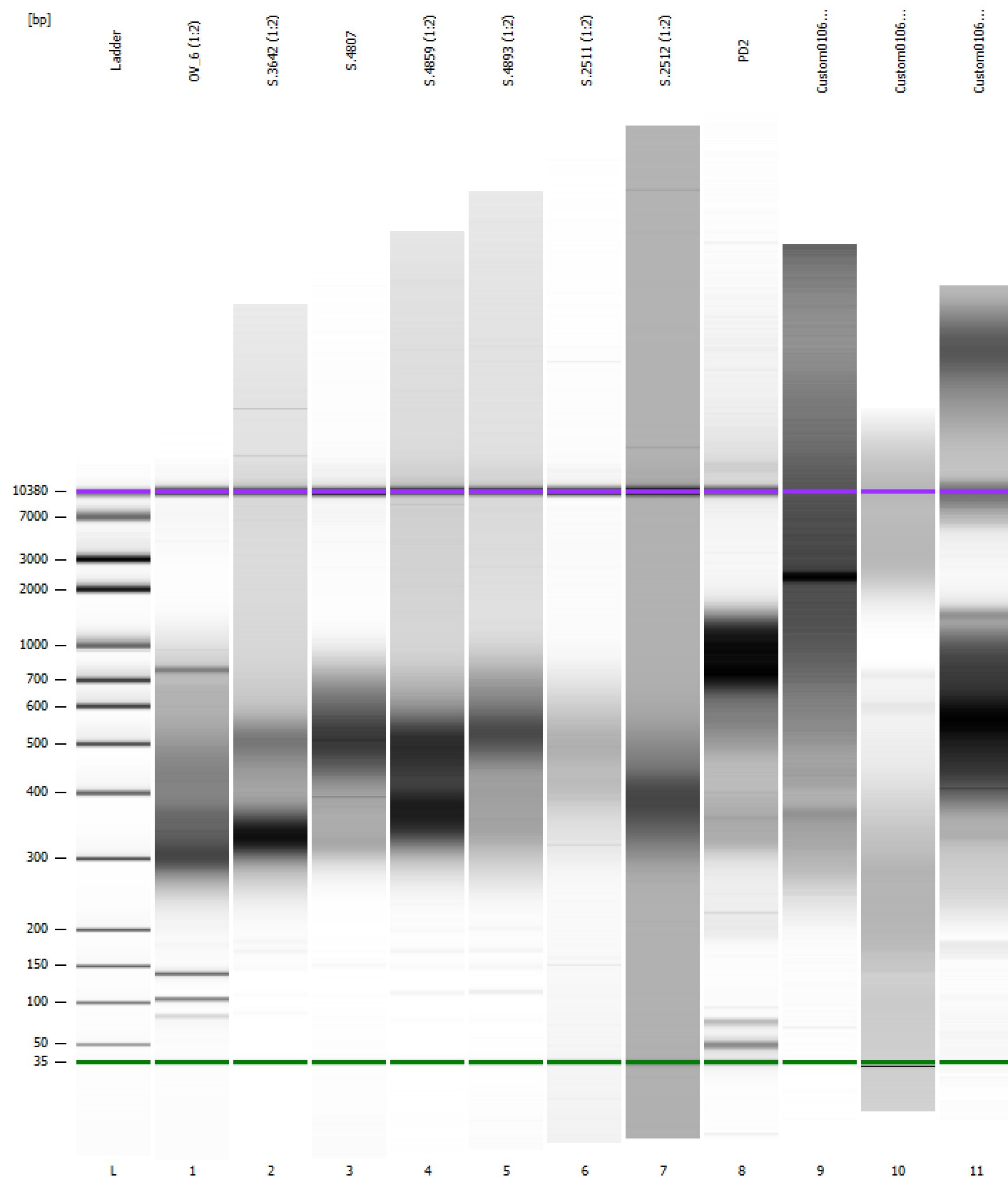
Region table for sample 11 : Custom0106 PoolC 1xBC (1:10)

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	2,632.8	77	551	30.1	149,121.42	467,928.3	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-06-17_002.xad

Created: 6/17/2025 2:13:33 PM
 Modified: 6/17/2025 2:53:59 PM

Gel Image



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-06-17_002.xad

Created: 6/17/2025 2:13:33 PM
 Modified: 6/17/2025 2:53:59 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 2:53:56 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_002.xad)		Instrument	Run		6/17/2025 2:13:33 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		6/17/2025 2:13:33 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		6/17/2025 2:13:33 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		6/17/2025 2:13:33 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		6/17/2025 2:13:33 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		6/17/2025 2:13:33 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		6/17/2025 2:13:33 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB