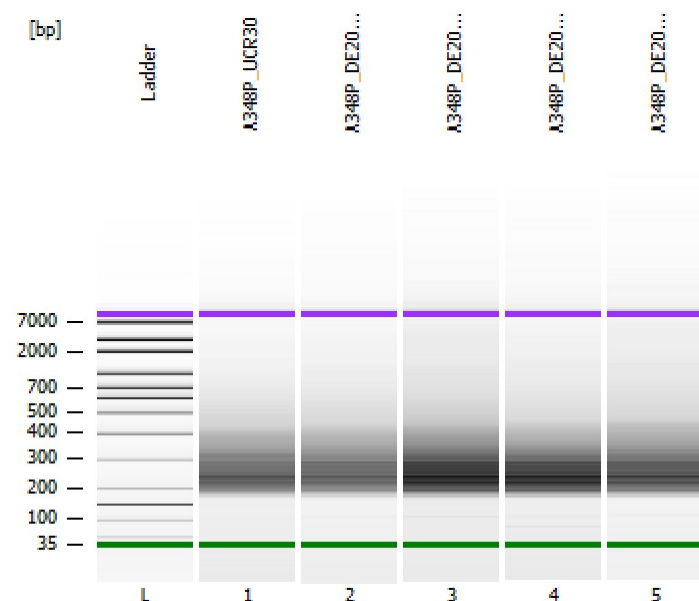


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...t\data\2025-05-19\A348P_Lib_Pools_UCR30_401_402_403_405.xad

Created: 5/19/2025 12:50:37 PM
Modified: 5/19/2025 1:37:30 PM

Electrophoresis File Run Summary



Instrument Information:

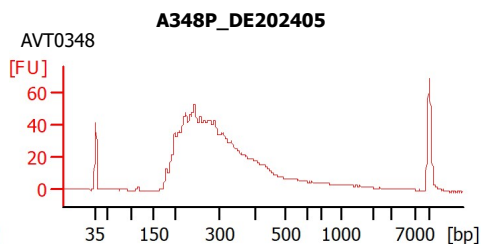
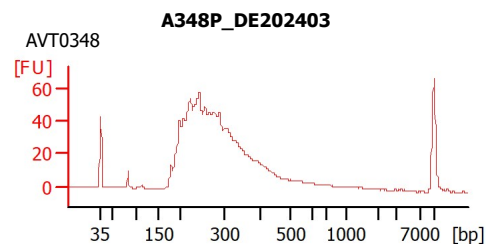
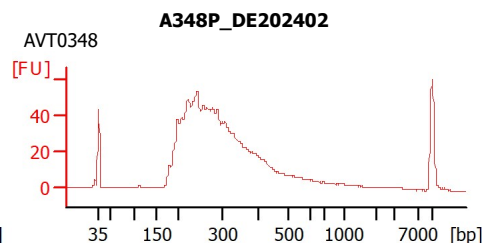
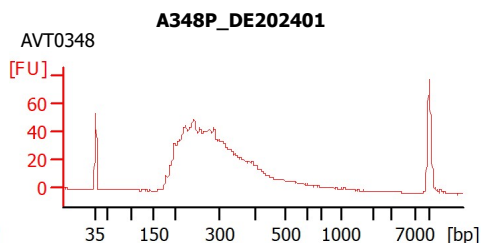
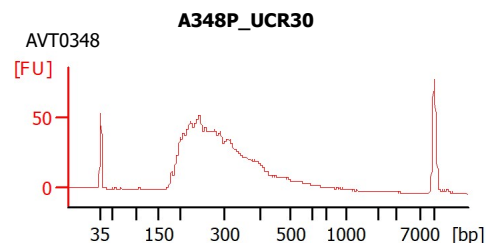
Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

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:\...t\data\2025-05-19\A348P_Lib_Pools_UCR30_401_402_403_405.xad

Created: 5/19/2025 12:50:37 PM
Modified: 5/19/2025 1:37:30 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
A348P_UCR30	AVT0348	☐	✓			
A348P_DE202401	AVT0348	☐	✓			
A348P_DE202402	AVT0348	☐	✓			
A348P_DE202403	AVT0348	☐	✓			
A348P_DE202405	AVT0348	☐	✓			
Ladder		☐	✓			

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

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...t\data\2025-05-19\A348P_Lib_Pools_UCR30_401_402_403_405.xad

Created: 5/19/2025 12:50:37 PM
Modified: 5/19/2025 1:37:30 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/ μ l] : 1950
Uses Standard Area for Ladder Fragments
Lower Marker Concentration [pg/ μ l] : 125
Upper Marker Concentration [pg/ μ l] : 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

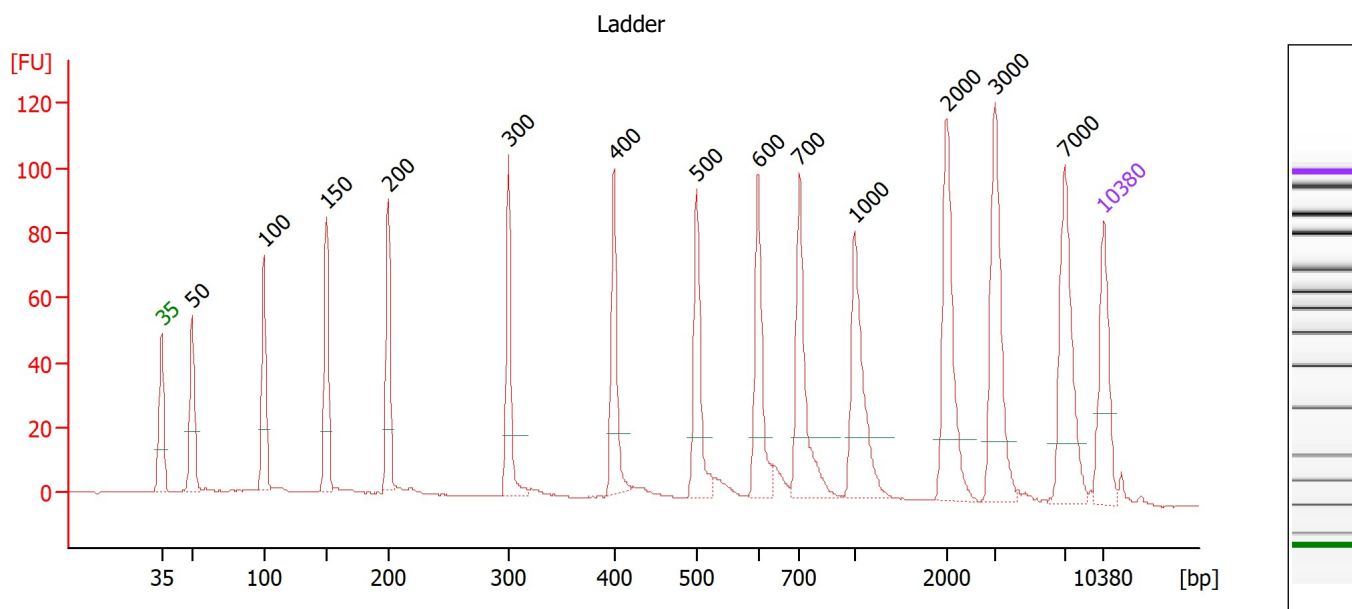
Ladder

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:\...t\data\2025-05-19\A348P_Lib_Pools_UCR30_401_402_403_405.xad

Created: 5/19/2025 12:50:37 PM
Modified: 5/19/2025 1:37:30 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

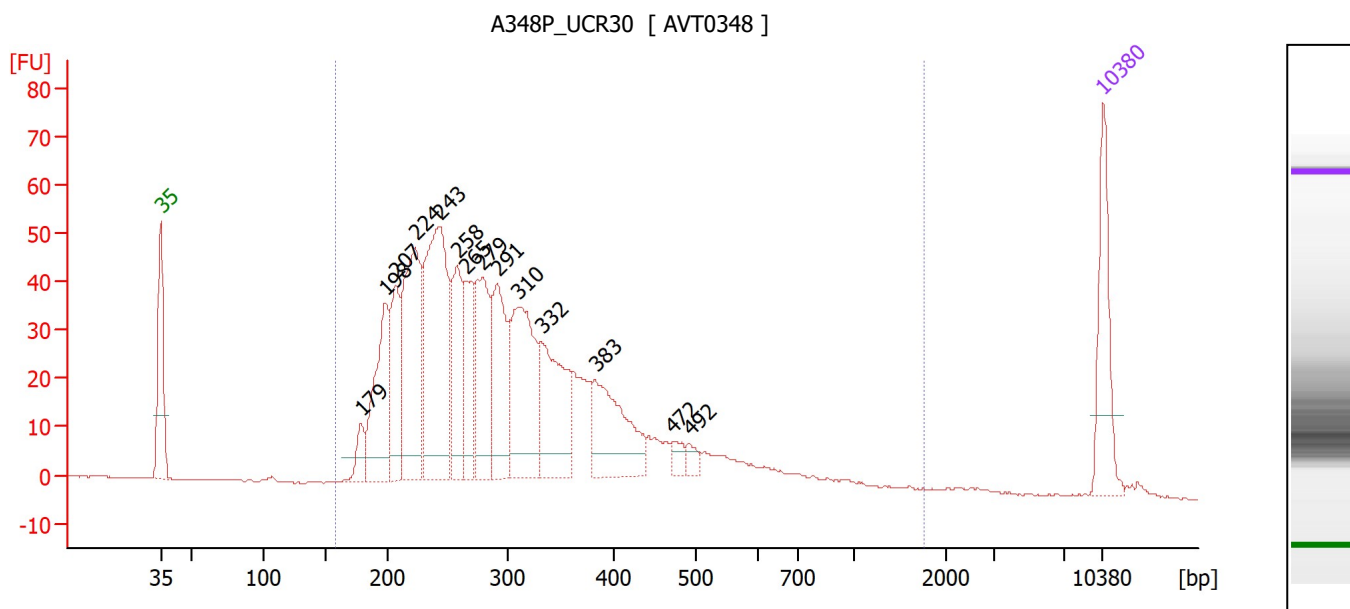
Peak table for Ladder

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:\...t\data\2025-05-19\A348P_Lib_Pools_UCR30_401_402_403_405.xad

Created: 5/19/2025 12:50:37 PM
 Modified: 5/19/2025 1:37:30 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : A348P UCR30

Number of peaks found: 14 Corr. Area 1: 1,070.8
 Noise: 0.2

Peak table for sample 1 : A348P UCR30

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	179	30.09	254.9	
3	198	153.43	1,171.3	
4	207	105.37	771.2	
5	224	225.09	1,525.3	
6	243	296.23	1,845.4	
7	258	115.87	680.7	
8	265	84.14	480.5	
9	279	135.79	738.0	
10	291	126.40	658.0	
11	310	186.58	911.6	
12	332	135.36	618.0	
13	383	126.32	499.6	
14	472	13.33	42.8	
15	492	11.74	36.2	
16	10,380	75.00	10.9	Upper Marker

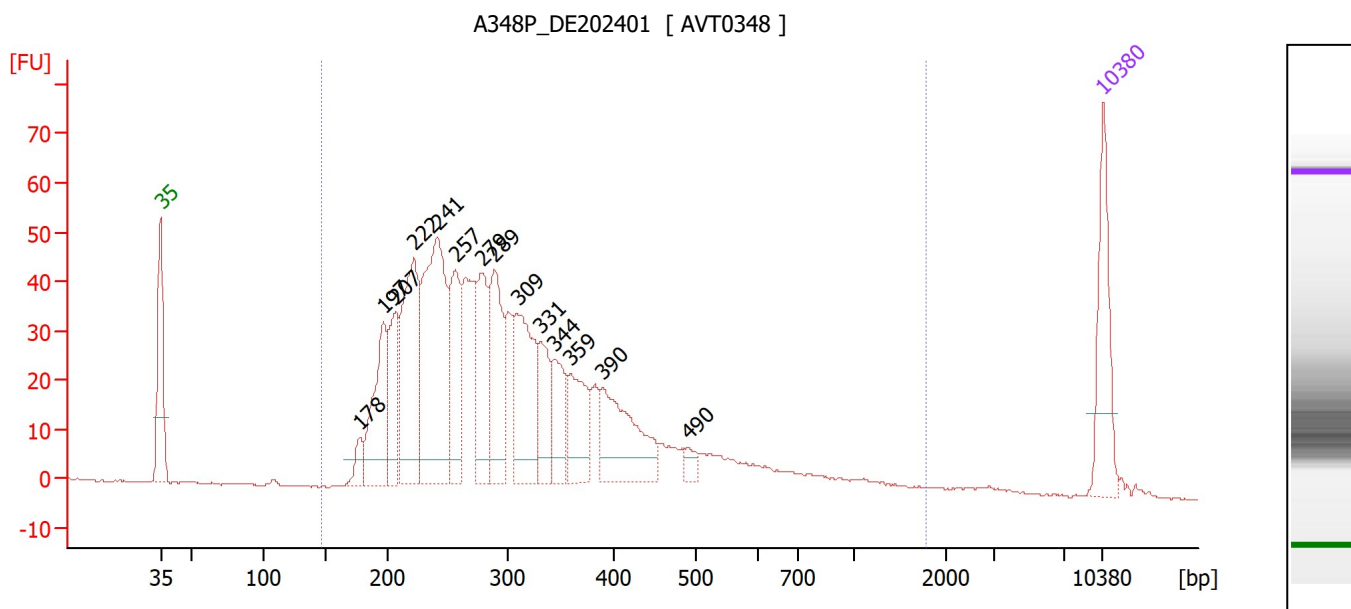
Region table for sample 1 : A348P UCR30

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
159	1,765	1,070.8	99	324	46.2	2,062.99	11,262.3	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...t\data\2025-05-19\A348P_Lib_Pools_UCR30_401_402_403_405.xad

Created: 5/19/2025 12:50:37 PM
 Modified: 5/19/2025 1:37:30 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : A348P_DE202401

Number of peaks found: 14 Corr. Area 1: 1,035.1
 Noise: 0.2

Peak table for sample 2 : A348P_DE202401

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	178	24.68	210.5	
3	197	131.75	1,013.4	
4	207	86.48	633.4	
5	222	203.34	1,389.0	
6	241	287.99	1,809.7	
7	257	115.64	682.6	
8	279	115.17	625.3	
9	289	124.88	654.6	
10	309	147.55	723.9	
11	331	67.16	307.5	
12	344	60.44	266.4	
13	359	76.90	324.2	
14	390	123.43	479.5	
15	490	12.02	37.1	
16	10,380	75.00	10.9	Upper Marker

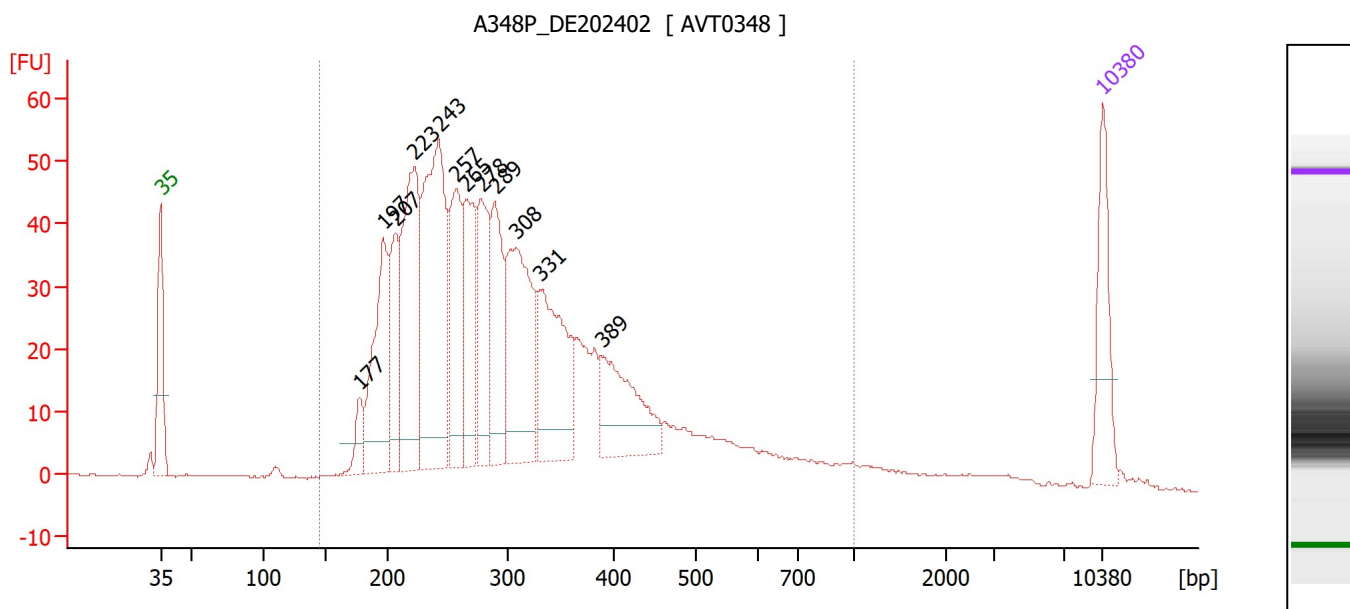
Region table for sample 2 : A348P_DE202401

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
147	1,789	1,035.1	98	336	52.3	1,988.24	10,716.2	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...t\data\2025-05-19\A348P_Lib_Pools_UCR30_401_402_403_405.xad

Created: 5/19/2025 12:50:37 PM
 Modified: 5/19/2025 1:37:30 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : A348P_DE202402

Number of peaks found: 12 Corr. Area 1: 1,113.8
 Noise: 0.2

Peak table for sample 3 : A348P_DE202402

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	177	37.76	322.4	
3	197	197.58	1,522.6	
4	207	111.24	812.9	
5	223	274.63	1,869.3	
6	243	362.01	2,257.6	
7	257	159.59	941.0	
8	265	152.86	873.2	
9	278	137.93	751.8	
10	289	139.23	728.9	
11	308	233.54	1,150.6	
12	331	198.63	909.7	
13	389	133.71	520.7	
14	10,380	75.00	10.9	Upper Marker

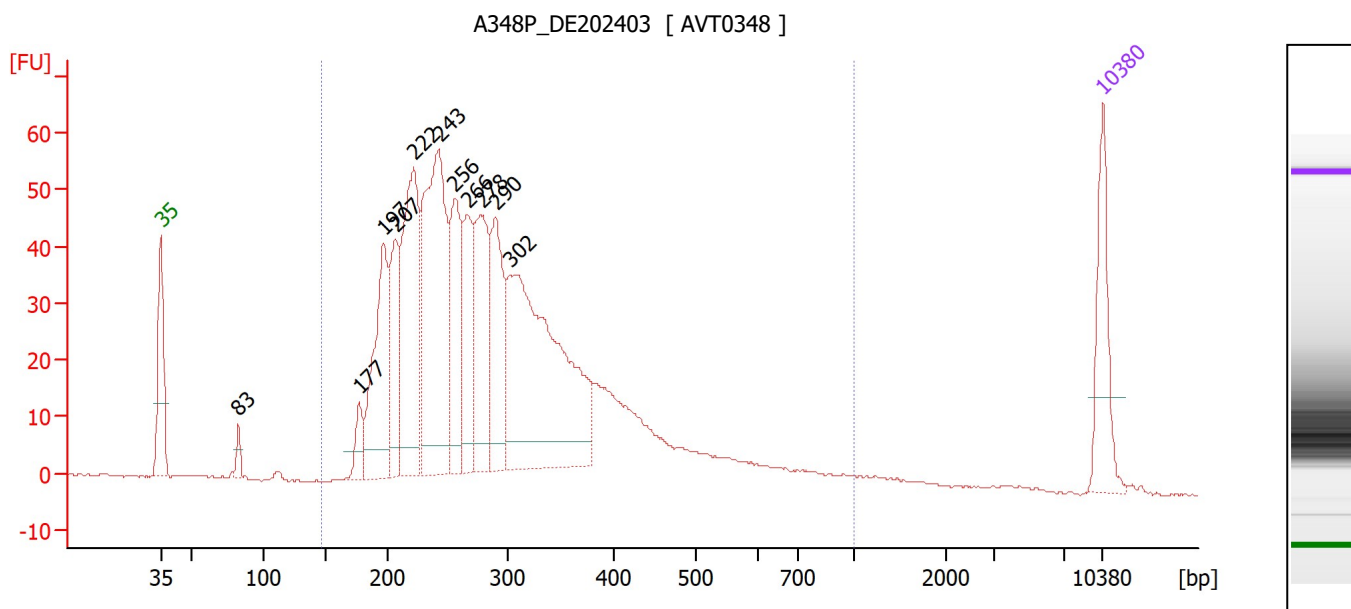
Region table for sample 3 : A348P_DE202402

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
146	1,000	1,113.8	94	322	39.7	2,680.61	14,642.2	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...t\data\2025-05-19\A348P_Lib_Pools_UCR30_401_402_403_405.xad

Created: 5/19/2025 12:50:37 PM
 Modified: 5/19/2025 1:37:30 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : A348P_DE202403

Number of peaks found: 11 Corr. Area 1: 1,071.2
 Noise: 0.2

Peak table for sample 4 : A348P_DE202403

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	83	16.36	299.4	
3	177	38.69	330.7	
4	197	192.77	1,483.8	
5	207	117.15	859.5	
6	222	270.48	1,845.0	
7	243	375.31	2,340.7	
8	256	155.50	920.5	
9	266	120.70	686.6	
10	278	165.57	902.1	
11	290	145.66	761.6	
12	302	477.61	2,392.6	
13	10,380	75.00	10.9	Upper Marker

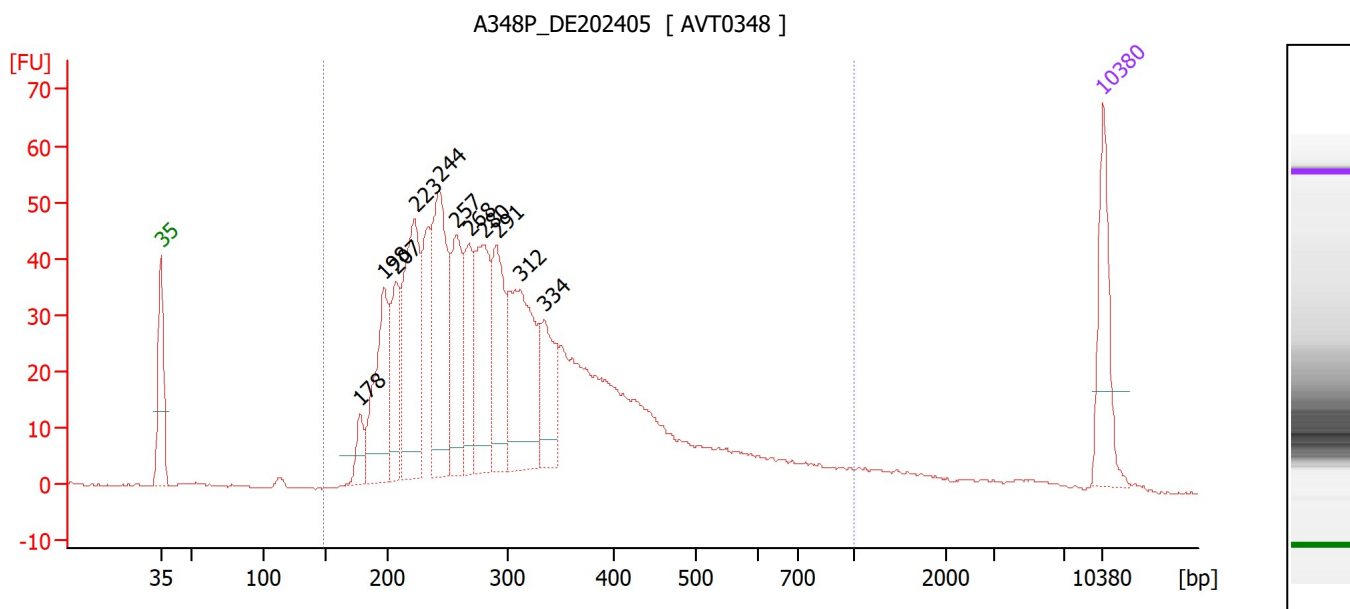
Region table for sample 4 : A348P_DE202403

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
147	1,000	1,071.2	97	307	36.9	2,456.08	13,719.1	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...t\data\2025-05-19\A348P_Lib_Pools_UCR30_401_402_403_405.xad

Created: 5/19/2025 12:50:37 PM
 Modified: 5/19/2025 1:37:30 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : A348P_DE202405

Number of peaks found: 11 Corr. Area 1: 1,052.2
 Noise: 0.2

Peak table for sample 5 : A348P_DE202405

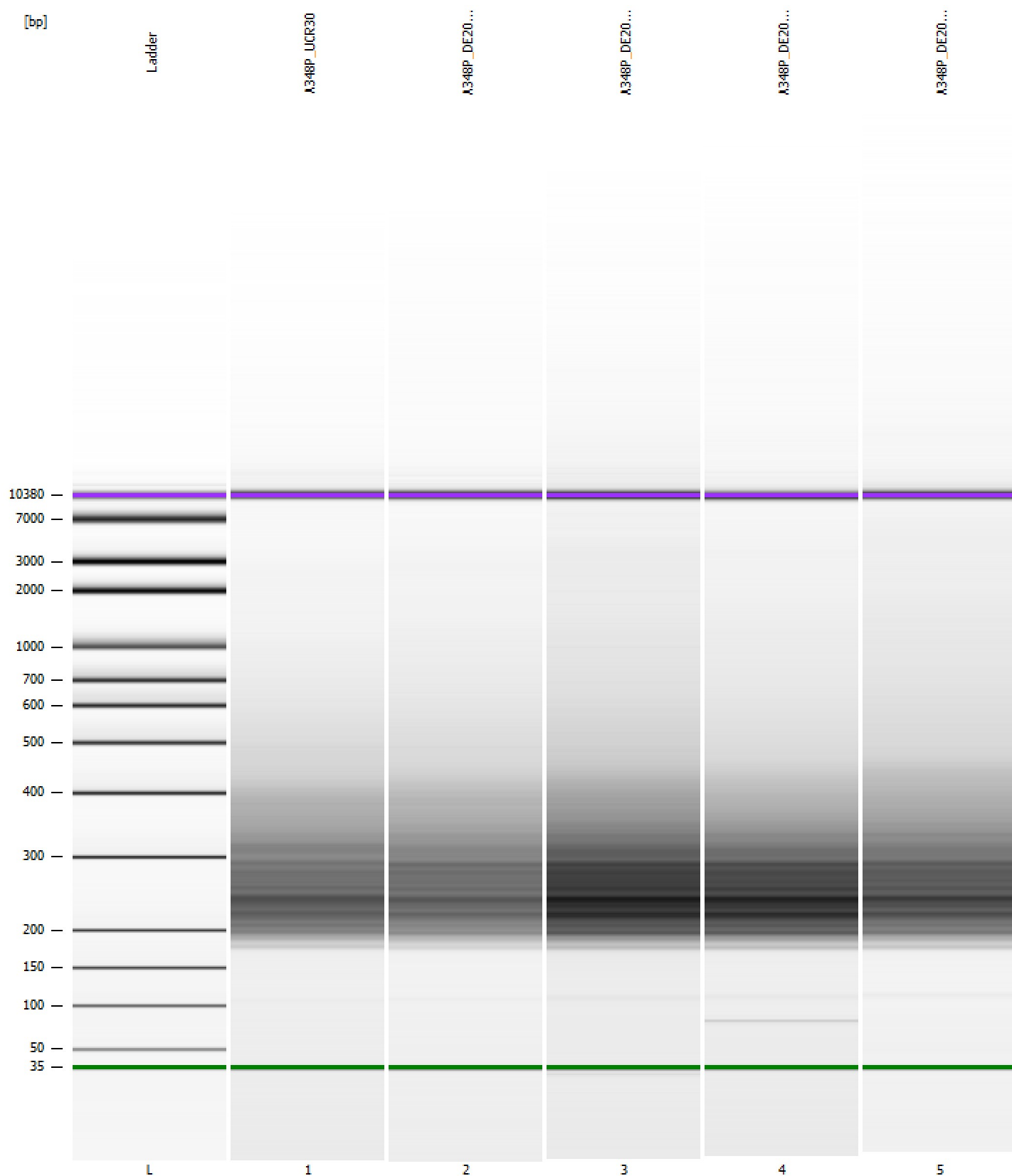
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	178	35.19	299.5	
3	198	160.05	1,227.7	
4	207	98.33	718.1	
5	223	222.76	1,514.3	
6	244	225.70	1,403.6	
7	257	138.48	816.3	
8	268	101.29	573.2	
9	280	157.44	852.6	
10	291	128.50	668.6	
11	312	203.64	988.6	
12	334	92.88	420.9	
13	10,380	75.00	10.9	Upper Marker

Region table for sample 5 : A348P_DE202405

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
149	1,000	1,052.2	94	328	40.5	2,365.16	12,729.2	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...t\data\2025-05-19\A348P_Lib_Pools_UCR30_401_402_403_405.xad

Created: 5/19/2025 12:50:37 PM
Modified: 5/19/2025 1:37:30 PM

Gel Image

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...t\data\2025-05-19\A348P_Lib_Pools_UCR30_401_402_403_405.xad

Created: 5/19/2025 12:50:37 PM
 Modified: 5/19/2025 1:37:30 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		5/19/2025 1:32:03 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\2025-05-19\Bioanalyzer1_High Sensitivity DNA Assay_DE34903152_2025-05-19_001.xad)		Instrument	Run		5/19/2025 12:50:47 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		5/19/2025 12:50:47 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		5/19/2025 12:50:47 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		5/19/2025 12:50:47 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		5/19/2025 12:50:47 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		5/19/2025 12:50:47 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		5/19/2025 12:50:46 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB