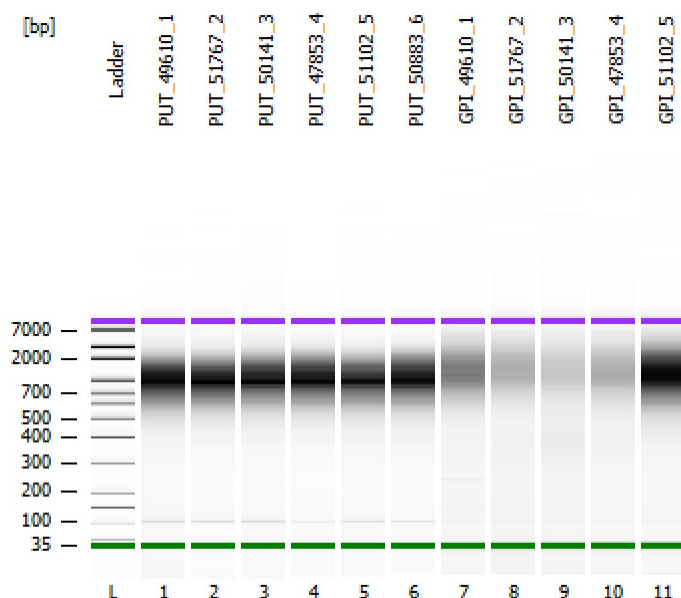


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-04-17_001.xad

Created: 4/17/2025 9:30:42 AM
Modified: 4/17/2025 10:13:24 AM

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

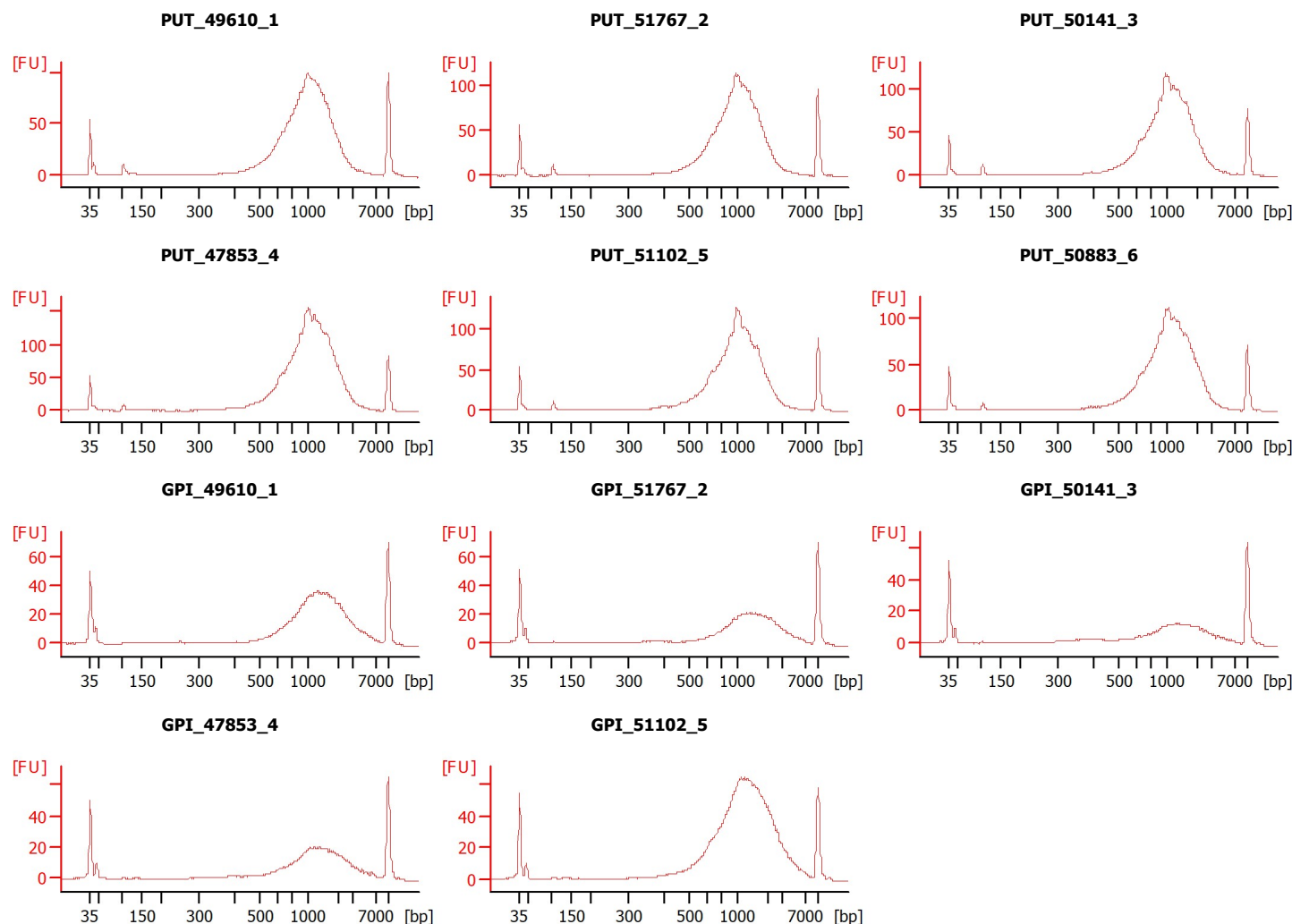
Assay Comments: Copyright © 2003-2010 Agilent Technologies

Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-04-17_001.xad

Created: 4/17/2025 9:30:42 AM
Modified: 4/17/2025 10:13:24 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
PUT_49610_1		☐	✓			
PUT_51767_2		☐	✓			
PUT_50141_3		☐	✓			
PUT_47853_4		☐	✓			
PUT_51102_5		☐	✓			
PUT_50883_6		☐	✓			
GPI_49610_1		☐	✓			
GPI_51767_2		☐	✓			
GPI_50141_3		☐	✓			
GPI_47853_4		☐	✓			
GPI_51102_5		☐	✓			
Ladder		☐	✓			

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

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-04-17_001.xad

Created: 4/17/2025 9:30:42 AM
 Modified: 4/17/2025 10:13:24 AM

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

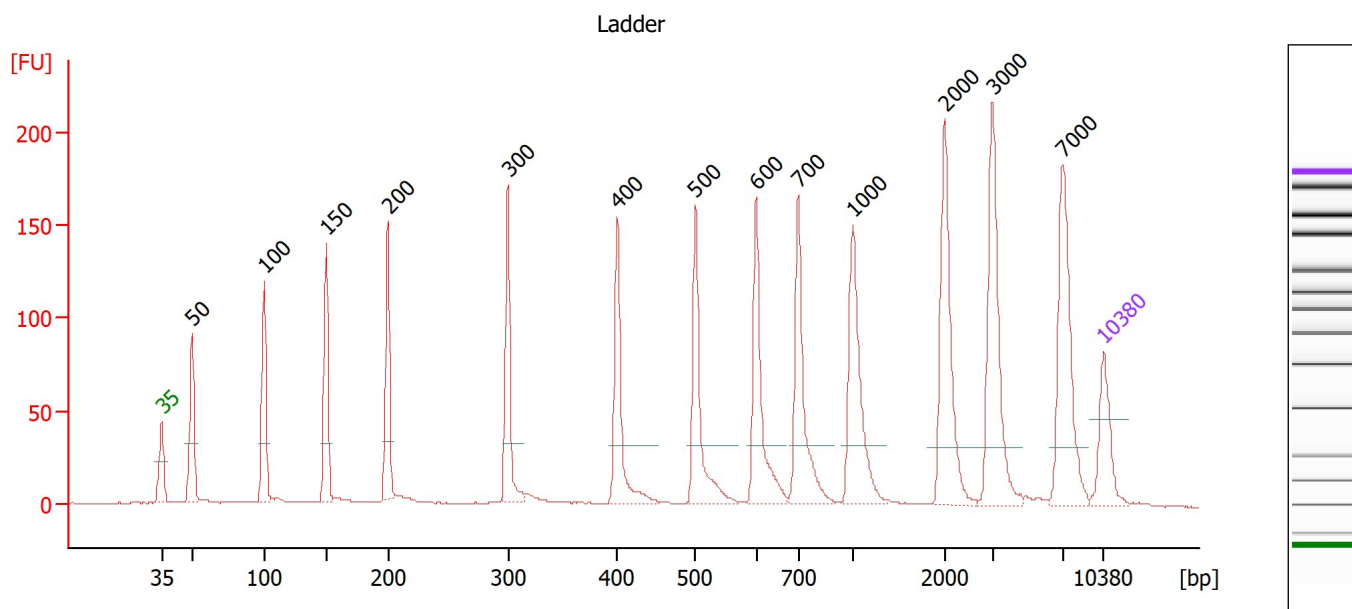
Ladder

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_2025-04-17_001.xad

Created: 4/17/2025 9:30:42 AM
 Modified: 4/17/2025 10:13:24 AM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

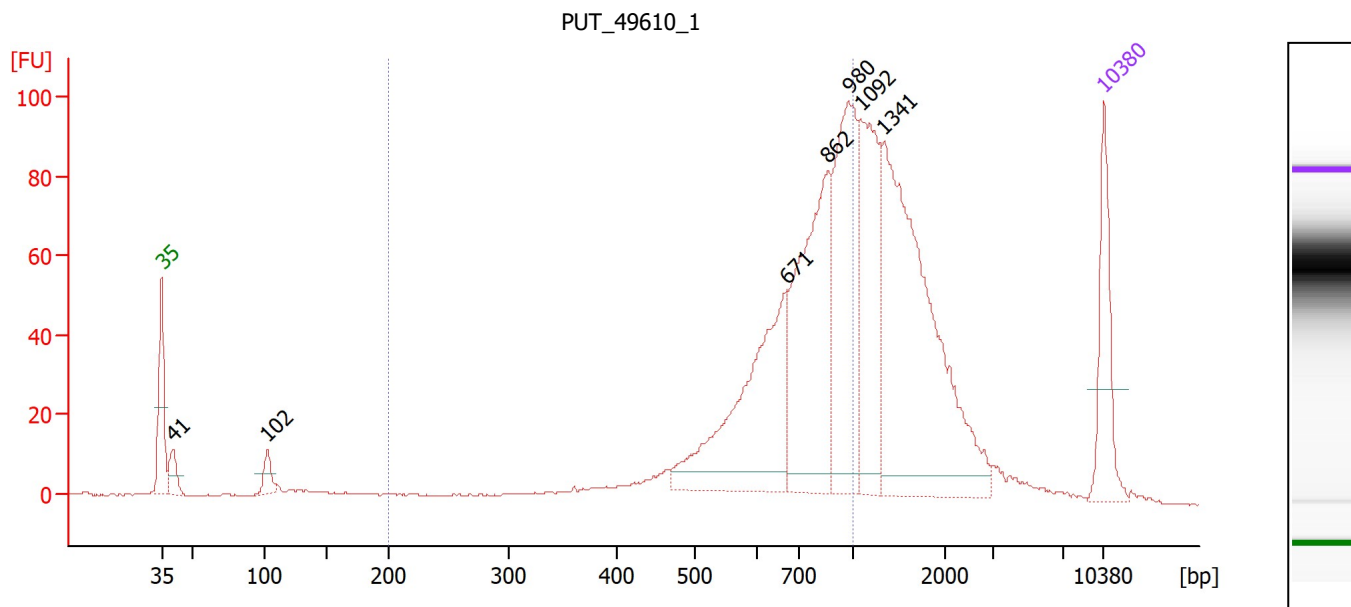
Peak table for Ladder

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_2025-04-17_001.xad

Created: 4/17/2025 9:30:42 AM
Modified: 4/17/2025 10:13:24 AM

Electropherogram Summary Continued ...



Overall Results for sample 1 : PUT_49610_1

Number of peaks found: 7 Corr. Area 1: 684.4
Noise: 0.2

Peak table for sample 1 : PUT_49610_1

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	41	33.10	1,232.2	
3	102	25.08	371.5	
4	671	268.86	606.6	
5	862	267.23	469.8	
6	980	213.76	330.6	
7	1,092	167.08	231.8	
8	1,341	408.22	461.2	
9	10,380	75.00	10.9	Upper Marker

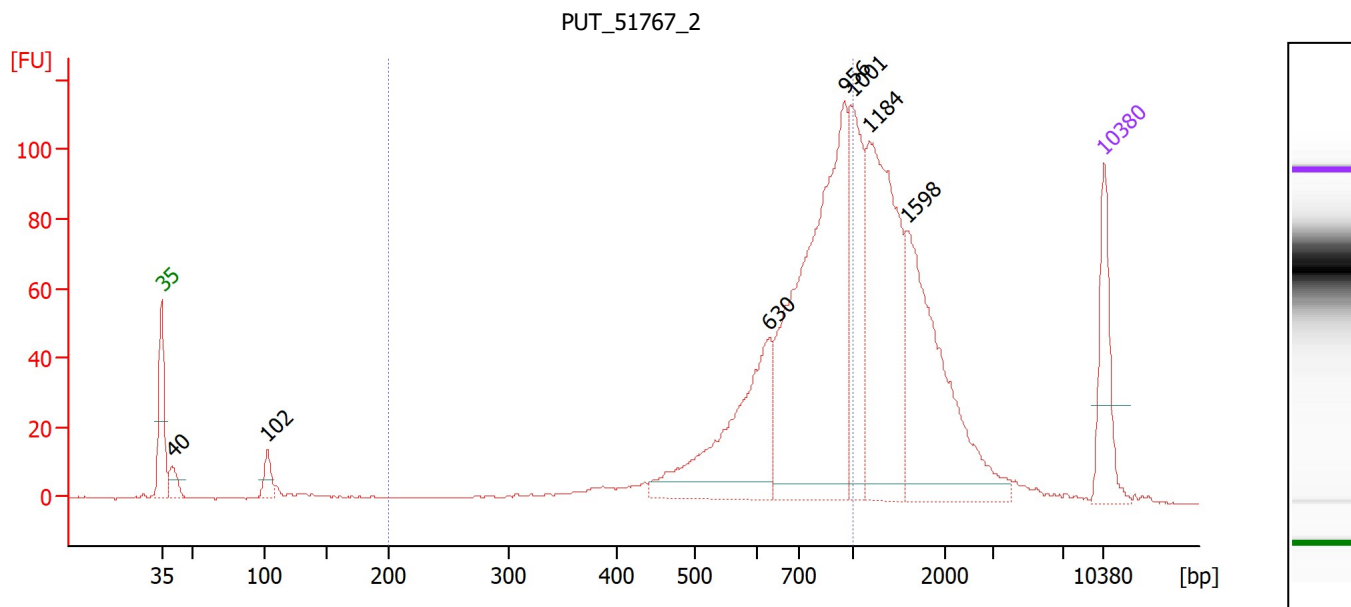
Region table for sample 1 : PUT_49610_1

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	684.4	51	727	23.0	833.80	1,906.1	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-04-17_001.xad

Created: 4/17/2025 9:30:42 AM
Modified: 4/17/2025 10:13:24 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 : PUT_51767_2

Number of peaks found: 7 Corr. Area 1: 760.1
Noise: 0.2

Peak table for sample 2 : PUT_51767_2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	40	28.96	1,094.5	
3	102	30.85	456.5	
4	630	247.68	595.5	
5	956	510.29	808.6	
6	1,001	157.51	238.5	
7	1,184	306.32	392.1	
8	1,598	267.61	253.8	
9	10,380	75.00	10.9	Upper Marker

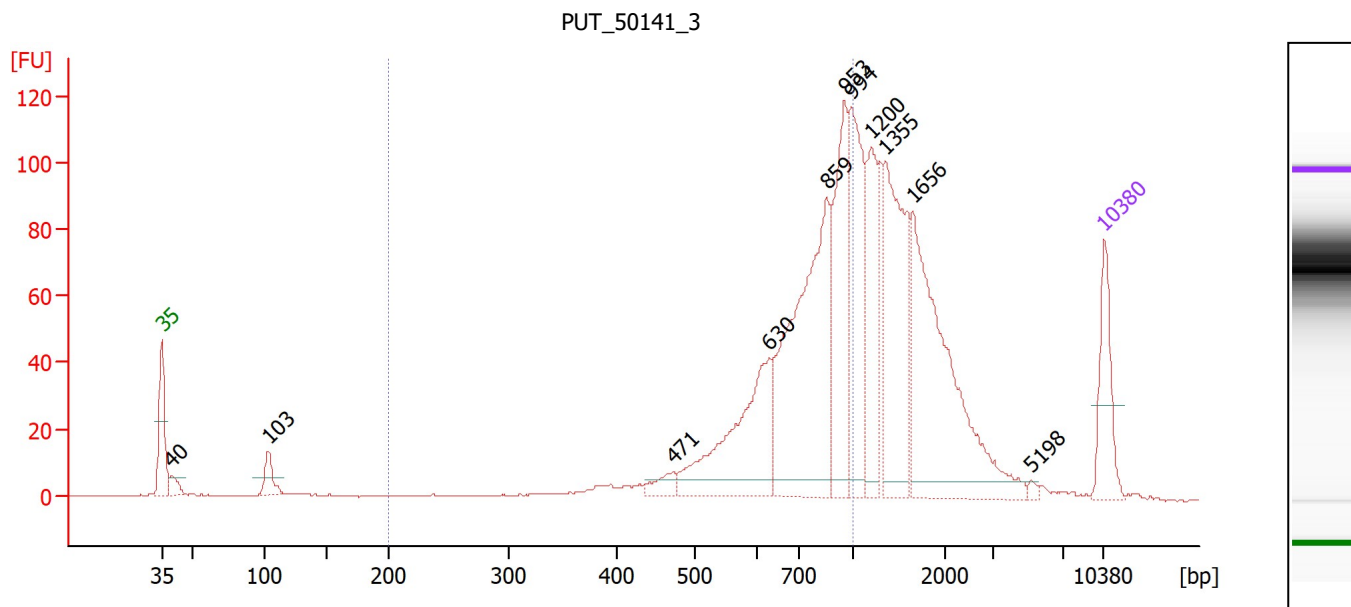
Region table for sample 2 : PUT_51767_2

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	760.1	51	726	23.9	938.23	2,178.2	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-04-17_001.xad

Created: 4/17/2025 9:30:42 AM
Modified: 4/17/2025 10:13:24 AM

Electropherogram Summary Continued ...



Overall Results for sample 3 : PUT_50141_3

Number of peaks found: 11 Corr. Area 1: 705.2
Noise: 0.2

Peak table for sample 3 : PUT_50141_3

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	40	23.37	888.8	
3	103	40.91	601.3	
4	471	23.96	77.1	
5	630	239.83	576.6	
6	859	416.09	734.0	
7	953	193.54	307.6	
8	994	198.31	302.2	
9	1,200	146.26	184.6	
10	1,355	246.27	275.4	
11	1,656	343.08	313.9	
12	5,198	4.66	1.4	
13	10,380	75.00	10.9	Upper Marker

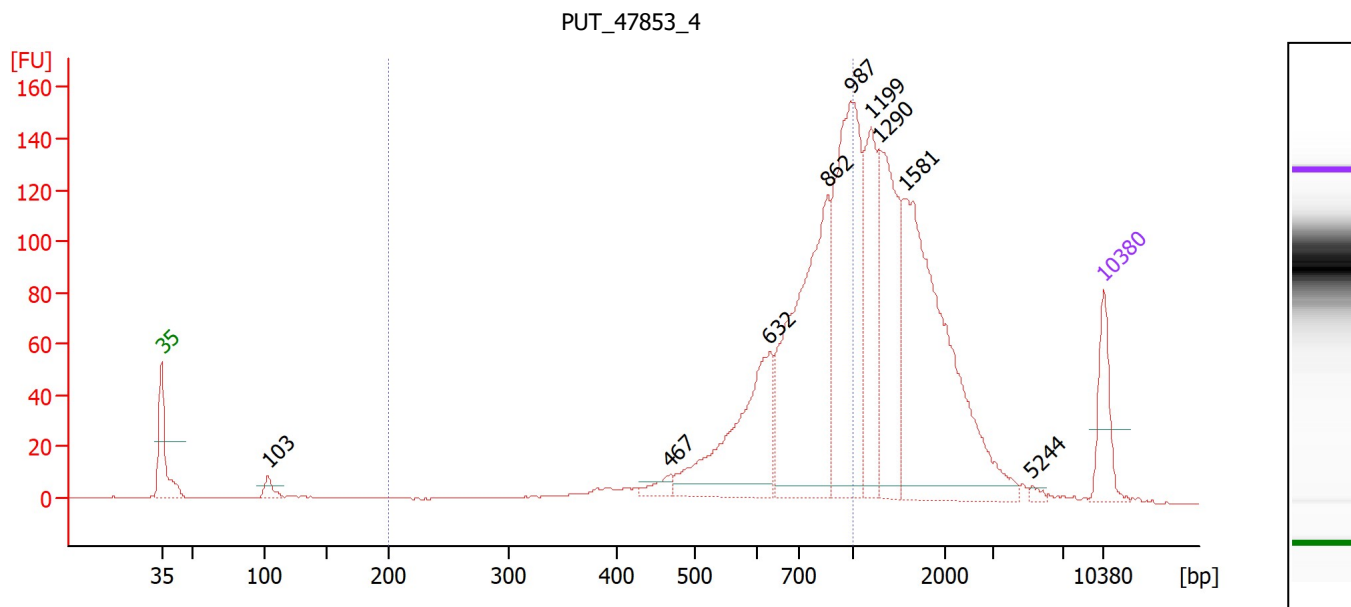
Region table for sample 3 : PUT_50141_3

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	705.2	47	733	23.6	1,056.23	2,424.0	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-04-17_001.xad

Created: 4/17/2025 9:30:42 AM
Modified: 4/17/2025 10:13:24 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : PUT_47853_4

Number of peaks found: 9 Corr. Area 1: 921.8
Noise: 0.2

Peak table for sample 4 : PUT_47853_4

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	103	27.15	399.5	
3	467	22.62	73.4	
4	632	306.89	735.4	
5	862	505.44	888.8	
6	987	457.38	702.0	
7	1,199	200.75	253.7	
8	1,290	278.29	326.8	
9	1,581	551.52	528.6	
10	5,244	6.47	1.9	
11	10,380	75.00	10.9	Upper Marker

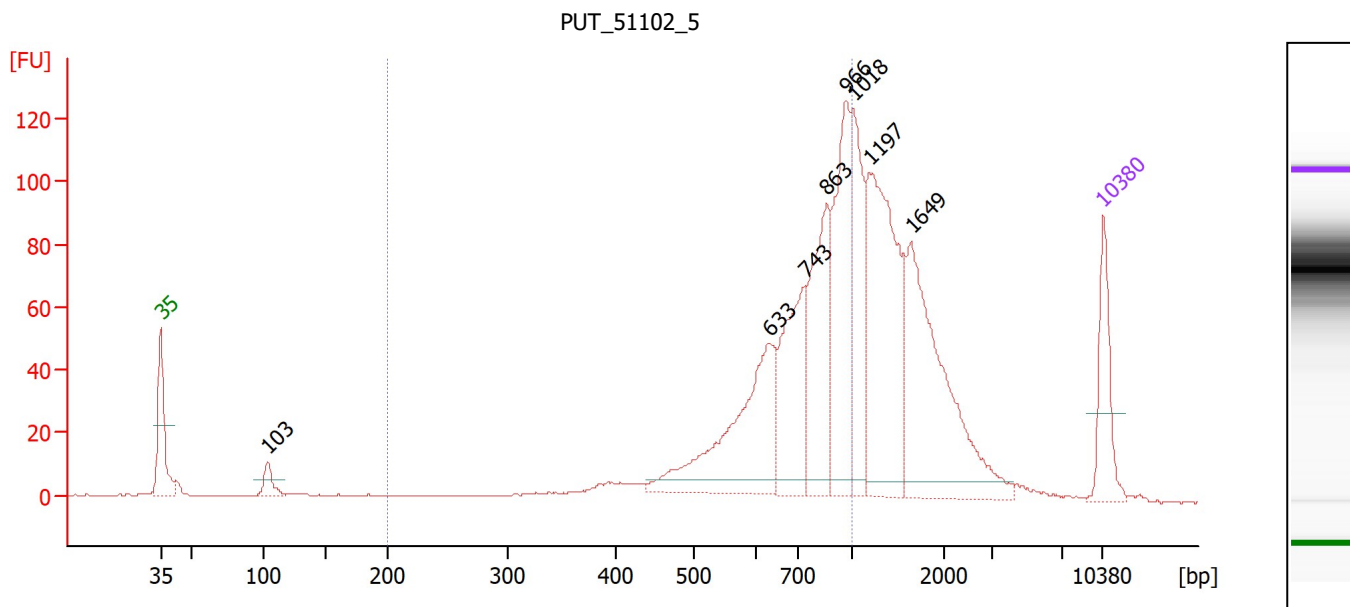
Region table for sample 4 : PUT_47853_4

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	921.8	47	737	22.7	1,299.20	2,917.9	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-04-17_001.xad

Created: 4/17/2025 9:30:42 AM
Modified: 4/17/2025 10:13:24 AM

Electropherogram Summary Continued ...



Overall Results for sample 5 : PUT_51102_5

Number of peaks found: 8 Corr. Area 1: 747.8
Noise: 0.2

Peak table for sample 5 : PUT_51102_5

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	103	32.38	474.4	
3	633	275.05	658.5	
4	743	186.67	380.8	
5	863	198.00	347.6	
6	966	214.17	335.8	
7	1,018	149.52	222.5	
8	1,197	332.06	420.2	
9	1,649	300.47	276.0	
10	10,380	75.00	10.9	Upper Marker

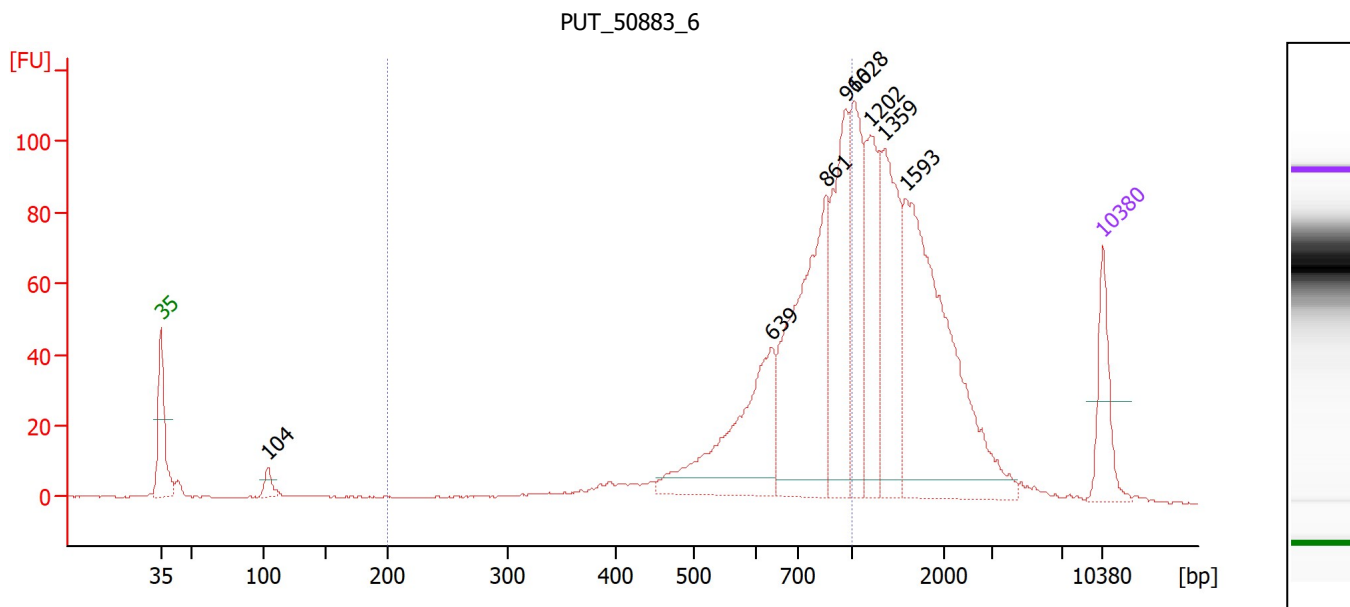
Region table for sample 5 : PUT_51102_5

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	747.8	51	731	23.5	1,014.29	2,317.8	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-04-17_001.xad

Created: 4/17/2025 9:30:42 AM
Modified: 4/17/2025 10:13:24 AM

Electropherogram Summary Continued ...



Overall Results for sample 6 : PUT_50883_6

Number of peaks found: 8 Corr. Area 1: 661.9
Noise: 0.2

Peak table for sample 6 : PUT_50883_6

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	104	24.89	363.4	
3	639	284.71	675.2	
4	861	398.85	701.8	
5	966	233.30	365.9	
6	1,028	184.03	271.1	
7	1,202	166.92	210.4	
8	1,359	210.16	234.4	
9	1,593	470.69	447.6	
10	10,380	75.00	10.9	Upper Marker

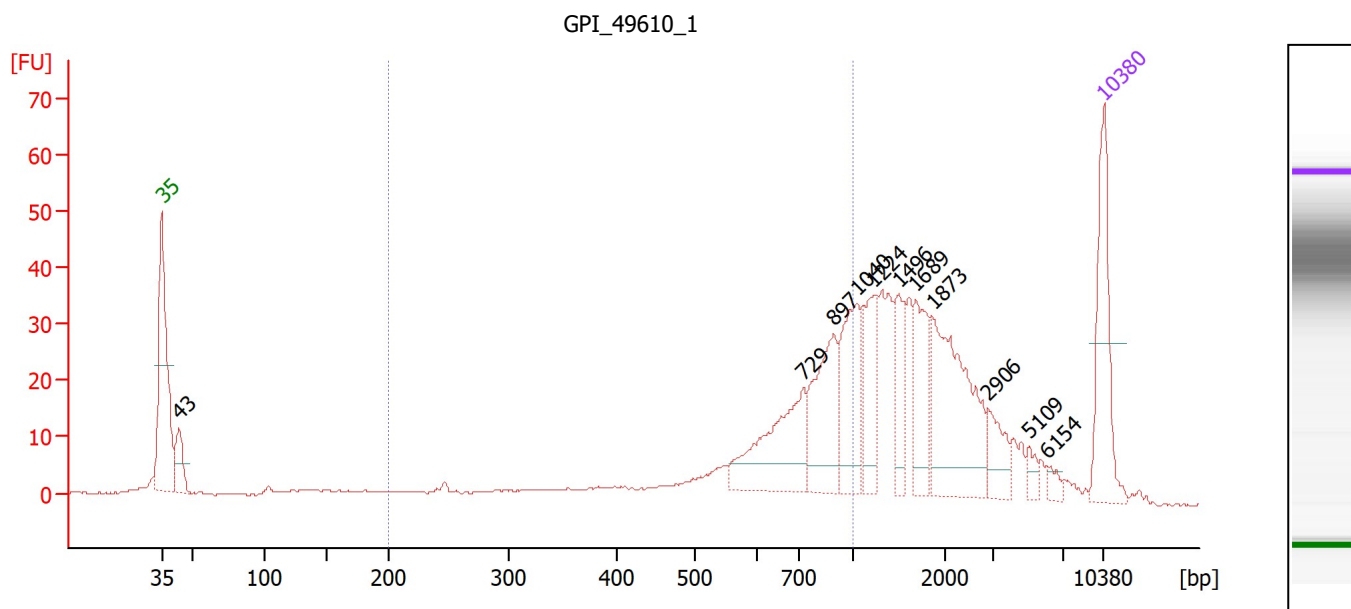
Region table for sample 6 : PUT_50883_6

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	661.9	47	733	23.5	1,098.15	2,505.3	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-04-17_001.xad

Created: 4/17/2025 9:30:42 AM
 Modified: 4/17/2025 10:13:24 AM

Electropherogram Summary Continued ...



Overall Results for sample 7 : GPI_49610_1

Number of peaks found: 11 Corr. Area 1: 221.9
 Noise: 0.2

Peak table for sample 7 : GPI_49610_1

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	43	38.23	1,334.5	
3	729	107.34	223.1	
4	897	86.14	145.6	
5	1,040	74.73	108.8	
6	1,224	50.05	61.9	
7	1,496	36.64	37.1	
8	1,689	51.78	46.5	
9	1,873	123.86	100.2	
10	2,906	27.12	14.1	
11	5,109	9.18	2.7	
12	6,154	6.88	1.7	
13	10,380	75.00	10.9	Upper Marker

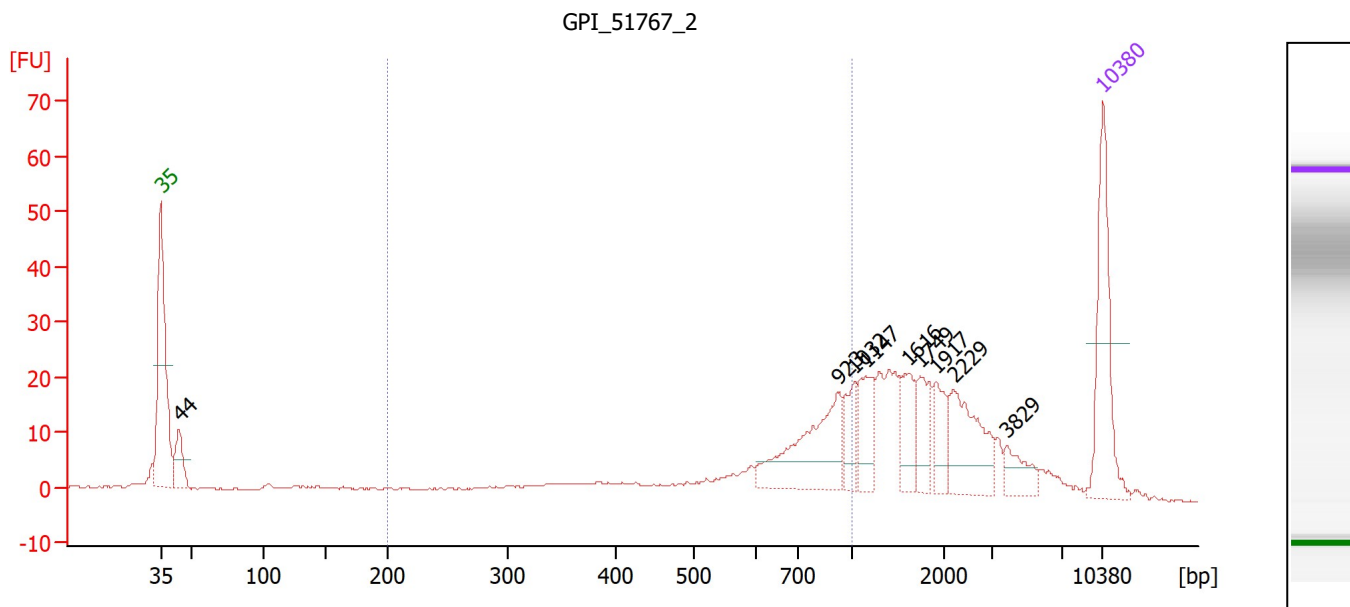
Region table for sample 7 : GPI_49610_1

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	221.9	36	701	28.1	364.08	941.8	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-04-17_001.xad

Created: 4/17/2025 9:30:42 AM
Modified: 4/17/2025 10:13:24 AM

Electropherogram Summary Continued ...



Overall Results for sample 8 : GPI 51767 2

Number of peaks found: 9 Corr. Area 1: 130.6
Noise: 0.2

Peak table for sample 8 : GPI 51767 2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	44	35.88	1,227.1	
3	923	91.84	150.8	
4	1,032	25.23	37.0	
5	1,147	34.62	45.7	
6	1,616	29.45	27.6	
7	1,749	26.22	22.7	
8	1,917	24.86	19.6	
9	2,229	59.10	40.2	
10	3,829	19.51	7.7	
11	10,380	75.00	10.9	Upper Marker

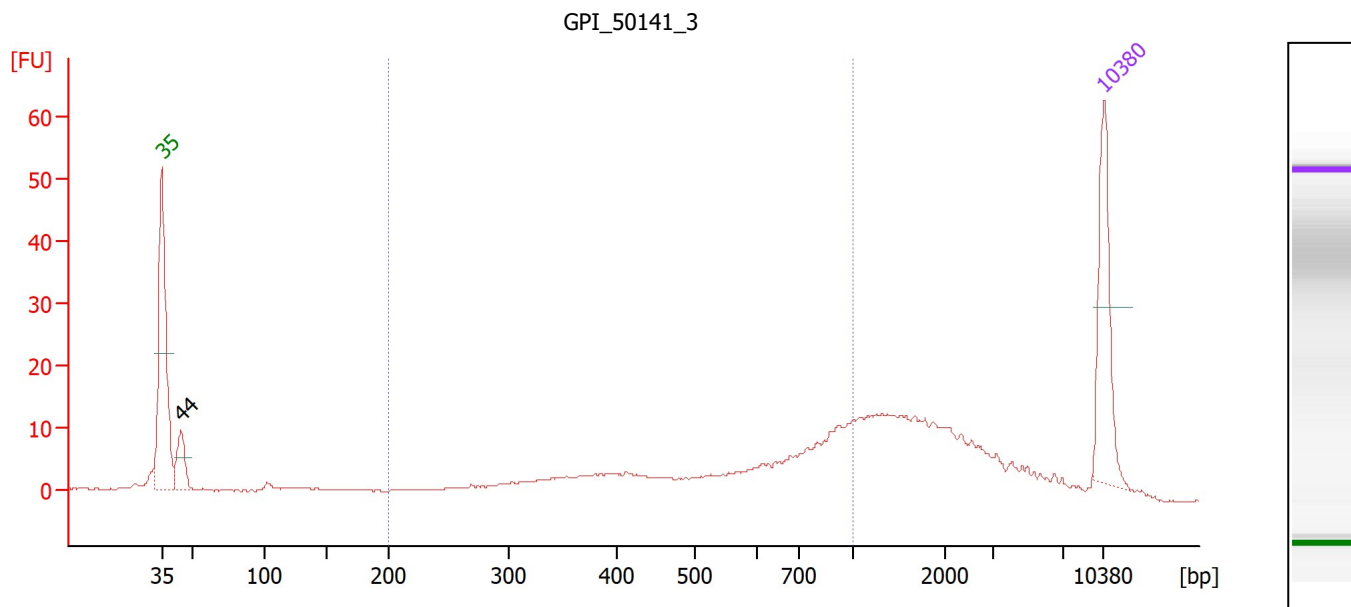
Region table for sample 8 : GPI 51767 2

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	130.6	34	686	30.1	209.82	558.7	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-04-17_001.xad

Created: 4/17/2025 9:30:42 AM
 Modified: 4/17/2025 10:13:24 AM

Electropherogram Summary Continued ...



Overall Results for sample 9 : GPI_50141_3

Number of peaks found: 1 Corr. Area 1: 133.3
 Noise: 0.1

Peak table for sample 9 : GPI_50141_3

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	44	39.55	1,351.0	
3	10,380	75.00	10.9	Upper Marker

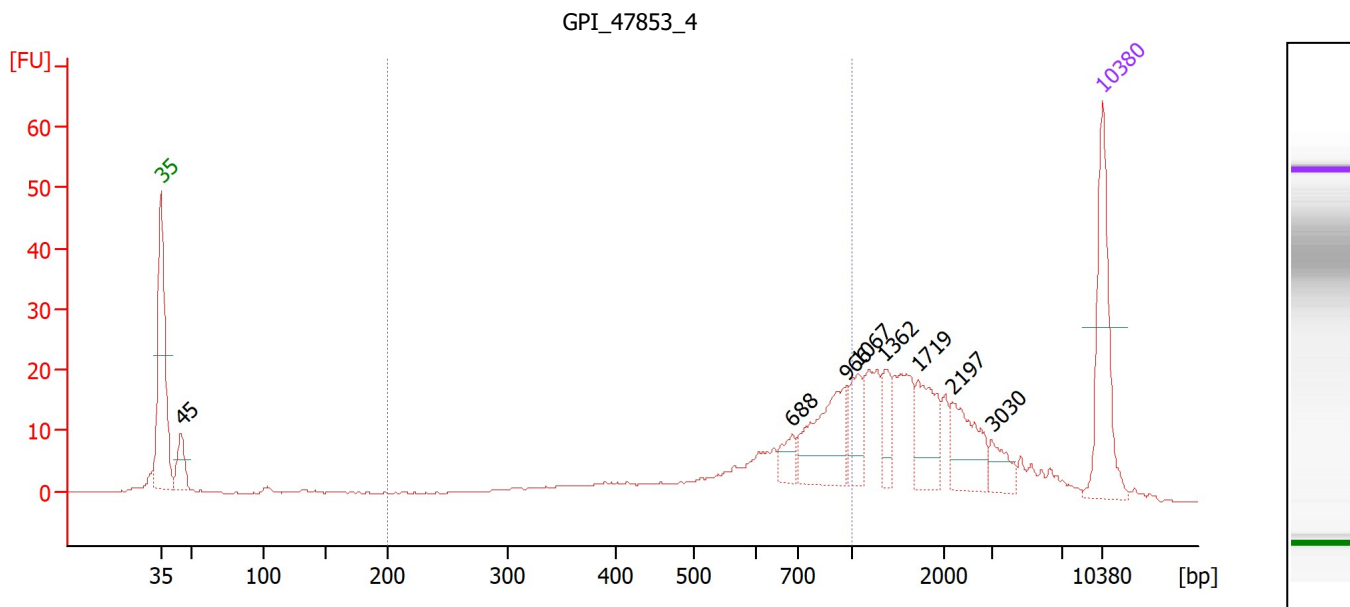
Region table for sample 9 : GPI_50141_3

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	133.3	44	599	36.4	266.85	840.6	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-04-17_001.xad

Created: 4/17/2025 9:30:42 AM
 Modified: 4/17/2025 10:13:24 AM

Electropherogram Summary Continued ...



Overall Results for sample 10 : GPI 47853 4

Number of peaks found: 8 Corr. Area 1: 126.0
 Noise: 0.2

Peak table for sample 10 : GPI 47853 4

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	45	34.87	1,168.5	
3	688	16.99	37.4	
4	966	70.49	110.5	
5	1,067	31.98	45.4	
6	1,362	22.12	24.6	
7	1,719	43.14	38.0	
8	2,197	42.36	29.2	
9	3,030	17.72	8.9	
10	10,380	75.00	10.9	Upper Marker

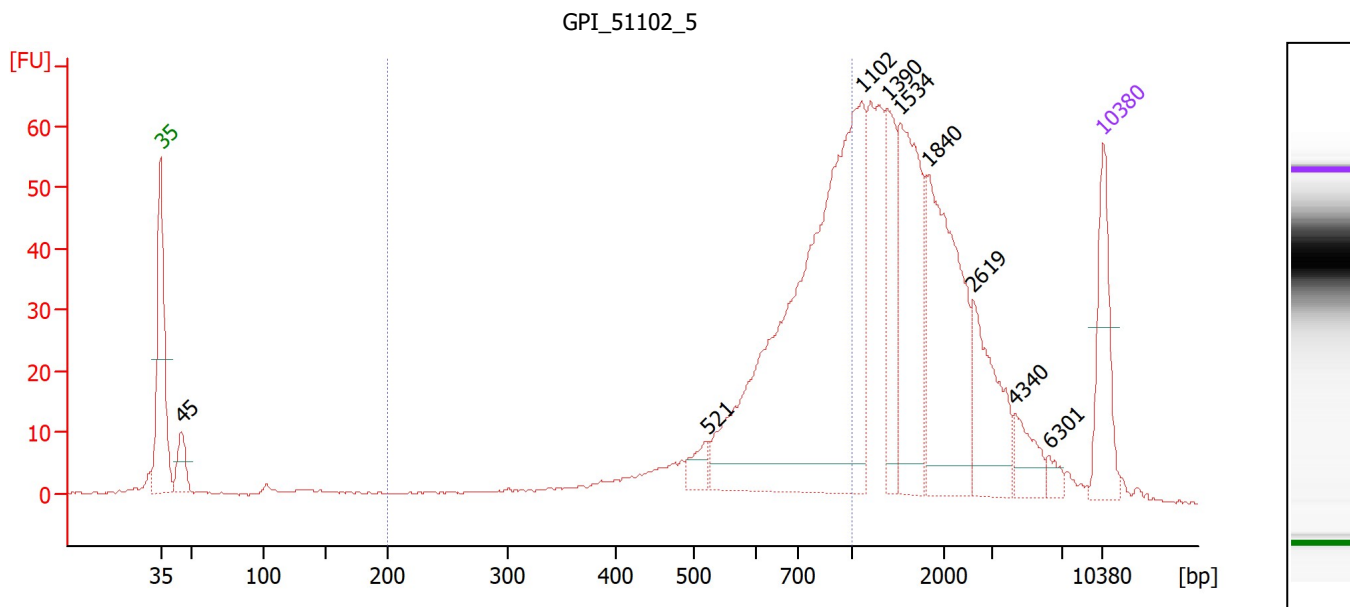
Region table for sample 10 : GPI 47853 4

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	126.0	37	705	26.5	219.69	533.7	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-04-17_001.xad

Created: 4/17/2025 9:30:42 AM
Modified: 4/17/2025 10:13:24 AM

Electropherogram Summary Continued ...



Overall Results for sample 11 : GPI 51102 5

Number of peaks found: 9 Corr. Area 1: 405.2
Noise: 0.2

Peak table for sample 11 : GPI 51102 5

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	45	43.26	1,447.5	
3	521	24.23	70.5	
4	1,102	652.29	896.8	
5	1,390	84.00	91.6	
6	1,534	173.39	171.3	
7	1,840	215.28	177.3	
8	2,619	91.58	53.0	
9	4,340	32.40	11.3	
10	6,301	10.38	2.5	
11	10,380	75.00	10.9	Upper Marker

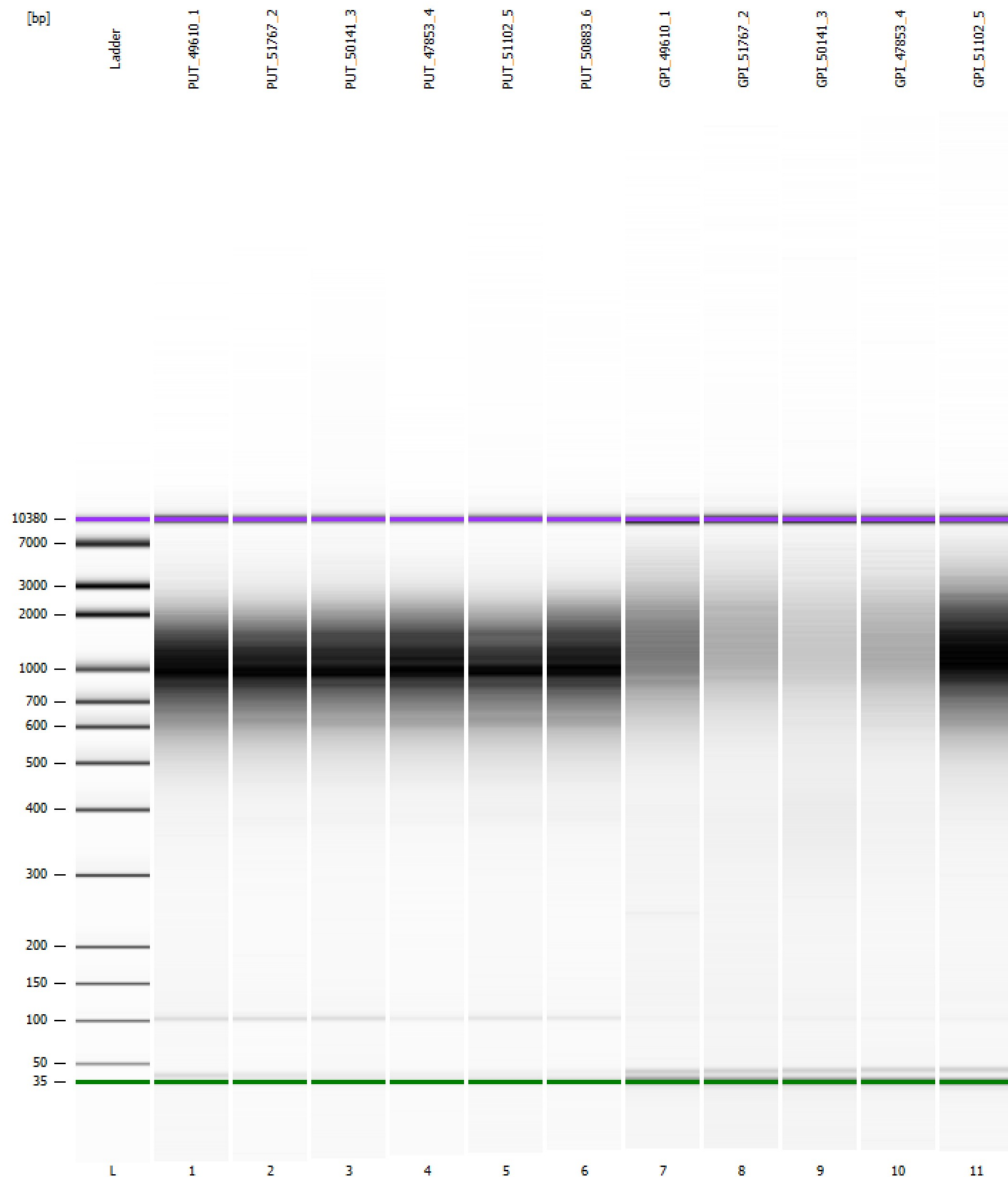
Region table for sample 11 : GPI 51102 5

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	405.2	40	718	24.6	760.12	1,793.5	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-04-17_001.xad

Created: 4/17/2025 9:30:42 AM
 Modified: 4/17/2025 10:13:24 AM

Gel Image



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-04-17_001.xad

Created: 4/17/2025 9:30:42 AM
 Modified: 4/17/2025 10:13:24 AM

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		4/17/2025 10:12:03 AM	(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\2025-04-17\Bioanalyzer1_High Sensitivity DNA Assay_DE34903152_2025-04-17_001.xad)		Instrument	Run		4/17/2025 9:30:50 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		4/17/2025 9:30:50 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		4/17/2025 9:30:50 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		4/17/2025 9:30:50 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		4/17/2025 9:30:50 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		4/17/2025 9:30:50 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		4/17/2025 9:30:50 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB