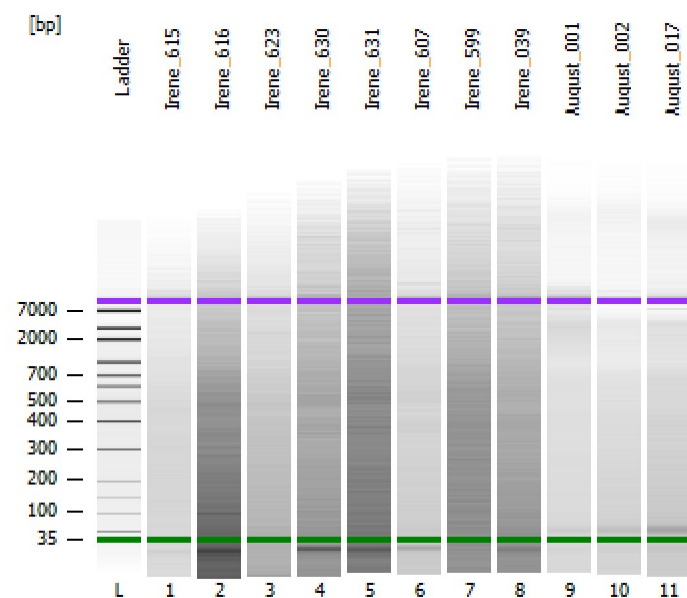


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gh Sensitivity DNA Assay_DE54107205_2025-05-13_13-56-28.xad

Created: 5/13/2025 1:56:27 PM
Modified: 5/13/2025 2:48:52 PM

Electrophoresis File Run Summary



Instrument Information:

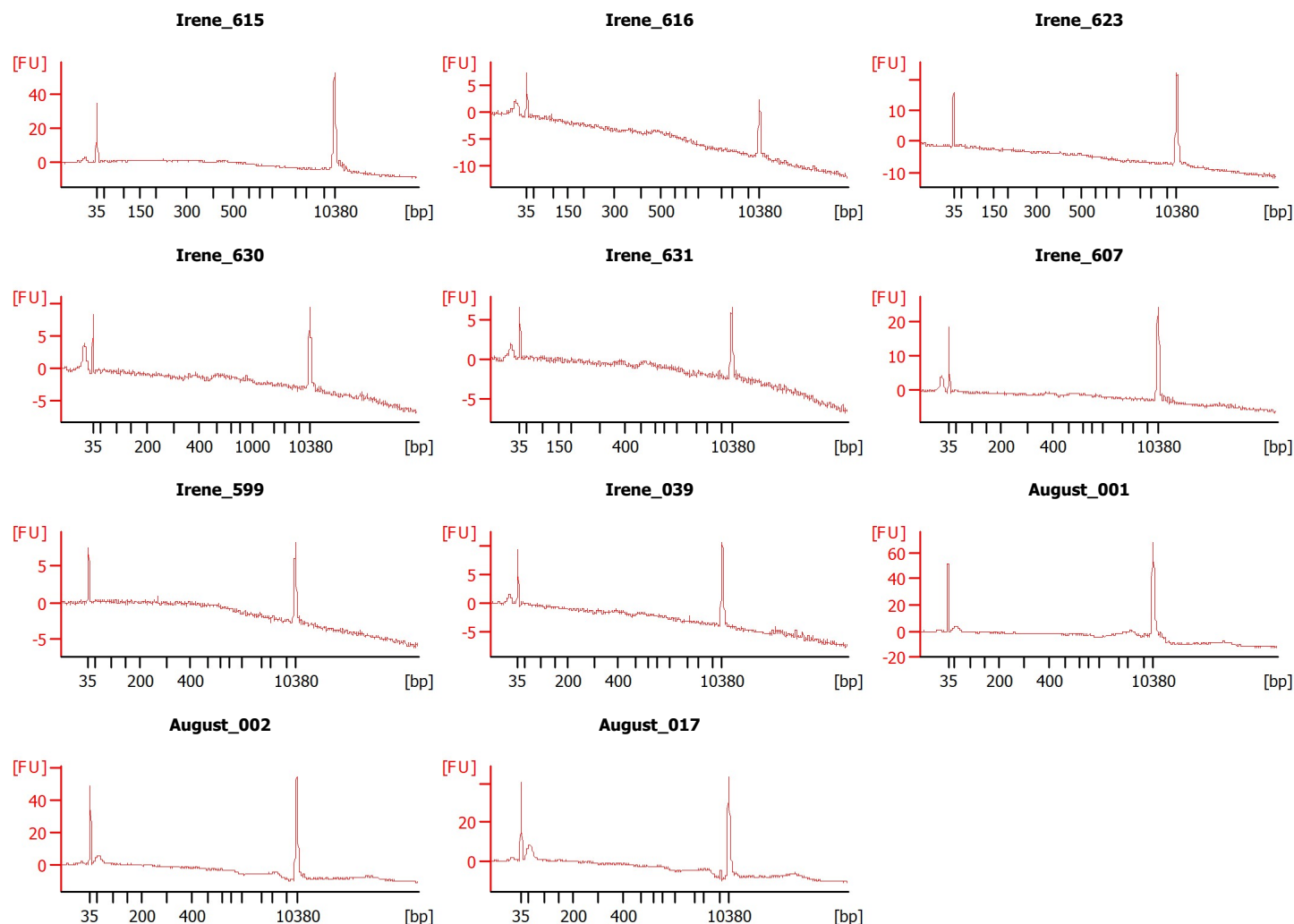
Instrument Name: DE54107205 Firmware: C.01.069
Serial#: DE54107205 Type: G2939A

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:\...gh Sensitivity DNA Assay_DE54107205_2025-05-13_13-56-28.xad

Created: 5/13/2025 1:56:27 PM
Modified: 5/13/2025 2:48:52 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
Irene_615		<input type="checkbox"/>	✓			
Irene_616		<input type="checkbox"/>	✓			
Irene_623		<input type="checkbox"/>	✓			
Irene_630		<input type="checkbox"/>	✓			
Irene_631		<input type="checkbox"/>	✓			
Irene_607		<input type="checkbox"/>	✓			
Irene_599		<input type="checkbox"/>	✓			
Irene_039		<input type="checkbox"/>	✓			
August_001		<input type="checkbox"/>	✓			
August_002		<input type="checkbox"/>	✓			
August_017		<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

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

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gh Sensitivity DNA Assay_DE54107205_2025-05-13_13-56-28.xad

Created: 5/13/2025 1:56:27 PM
Modified: 5/13/2025 2:48:52 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

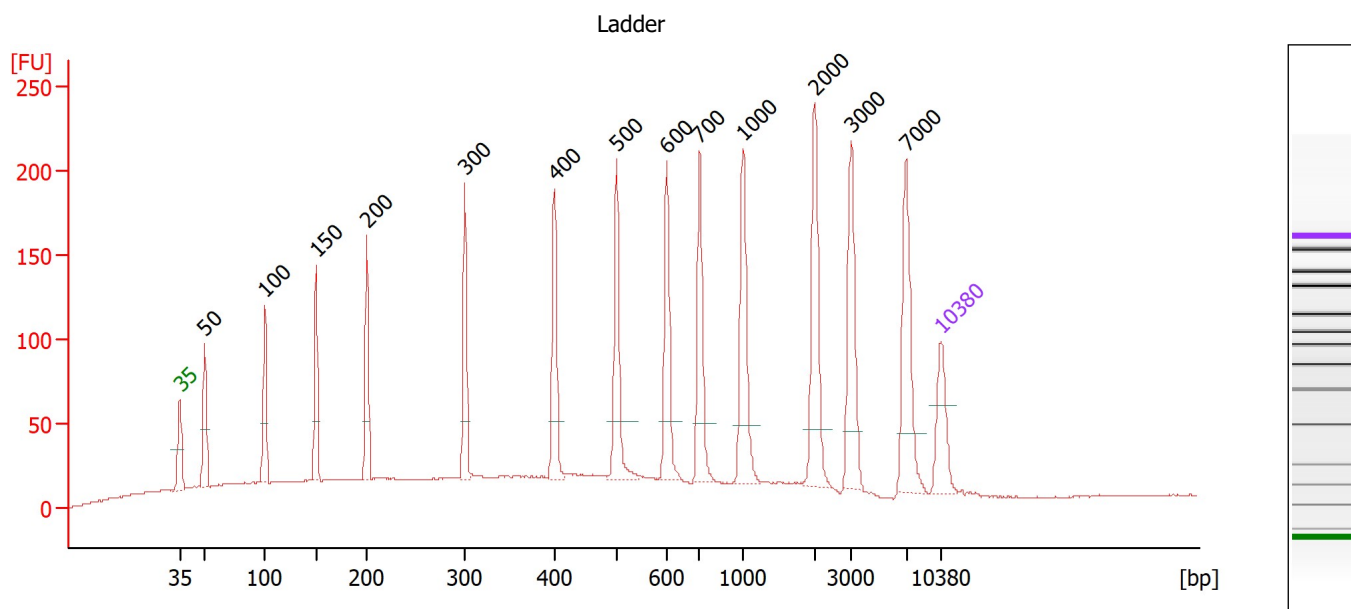
Ladder

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:\...gh Sensitivity DNA Assay_DE54107205_2025-05-13_13-56-28.xad

Created: 5/13/2025 1:56:27 PM
 Modified: 5/13/2025 2:48:52 PM

Electropherogram Summary



Overall Results for Ladder

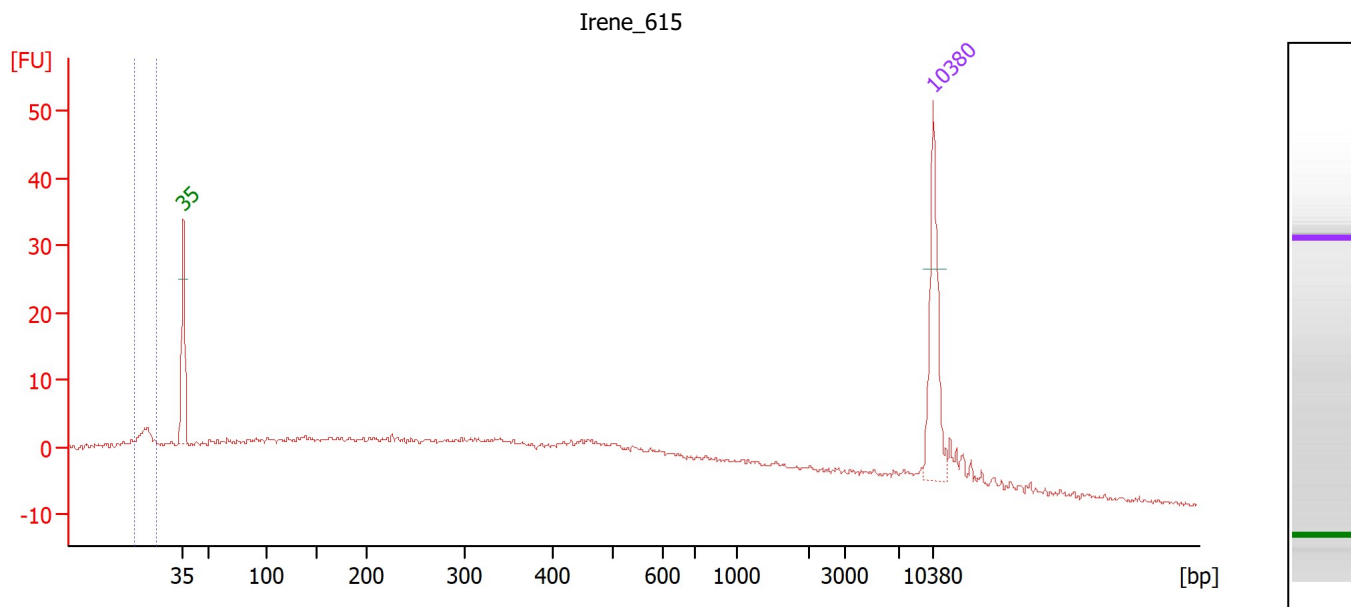
Noise: 0.4

Peak table for Ladder

Peak	Size [bp]	Conc. [pg/μl]	Observations	Molarity [pmol/l]
1	35	125.00	Lower Marker	5,411.3
2	50	150.00	Ladder Peak	4,545.5
3	100	150.00	Ladder Peak	2,272.7
4	150	150.00	Ladder Peak	1,515.2
5	200	150.00	Ladder Peak	1,136.4
6	300	150.00	Ladder Peak	757.6
7	400	150.00	Ladder Peak	568.2
8	500	150.00	Ladder Peak	454.5
9	600	150.00	Ladder Peak	378.8
10	700	150.00	Ladder Peak	324.7
11	1,000	150.00	Ladder Peak	227.3
12	2,000	150.00	Ladder Peak	113.6
13	3,000	150.00	Ladder Peak	75.8
14	7,000	150.00	Ladder Peak	32.5
15	10,380	75.00	Upper Marker	10.9

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE54107205_2025-05-13_13-56-28.xad

Created: 5/13/2025 1:56:27 PM
 Modified: 5/13/2025 2:48:52 PM

Electropherogram Summary Continued ...**Overall Results for sample 1 : Irene_615**

Number of peaks found: 0 Corr. Area 1: 13.5
 Noise: 0.4

Peak table for sample 1 : Irene_615

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

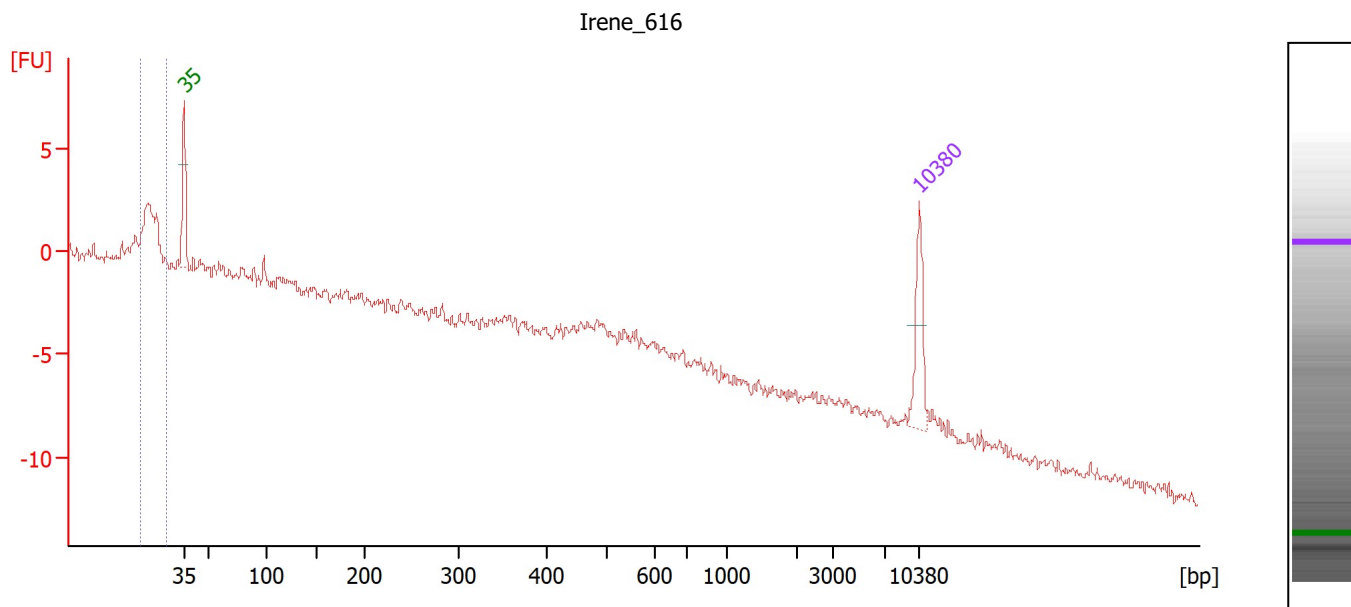
Region table for sample 1 : Irene_615

From [bp]	To [bp]	Corr. Area	Average Size [bp]	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
5	19	13.5	12	4	29.8	62.07	7,808.3	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE54107205_2025-05-13_13-56-28.xad

Created: 5/13/2025 1:56:27 PM
 Modified: 5/13/2025 2:48:52 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : Irene_616

Number of peaks found: 0 Corr. Area 1: 13.4
 Noise: 0.4

Peak table for sample 2 : Irene_616

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

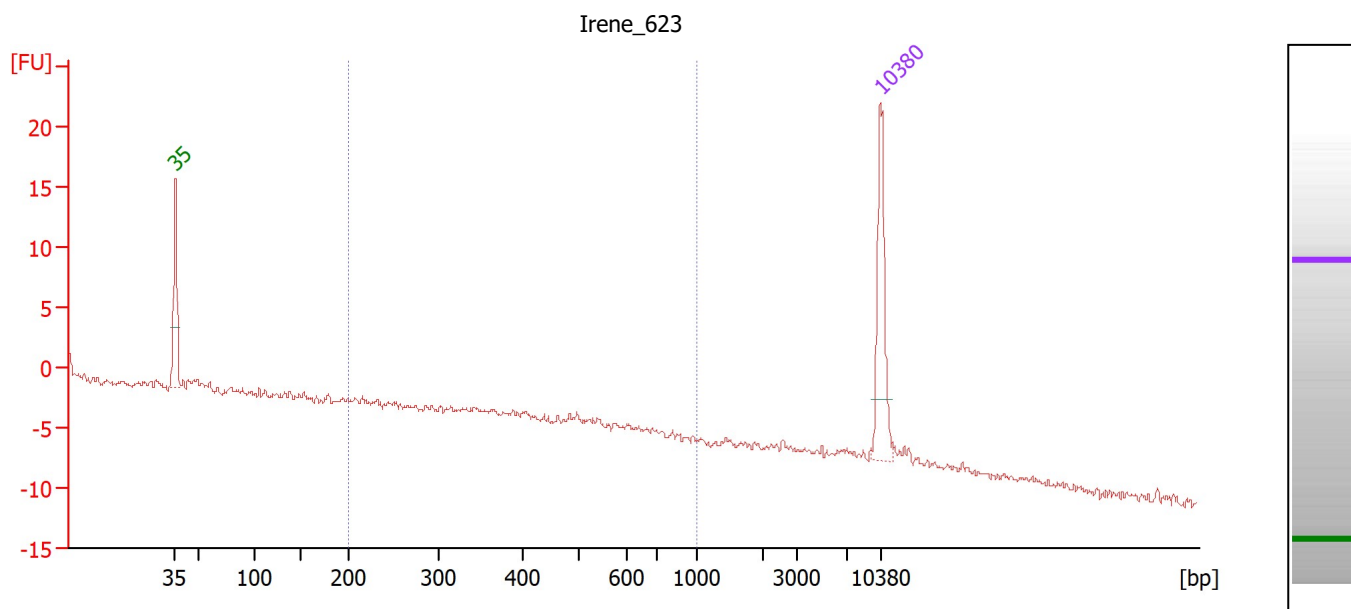
Region table for sample 2 : Irene_616

From [bp]	To [bp]	Corr. Area	Average Size [bp]	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
8	24	13.4	15	12	27.0	348.26	36,349.6	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE54107205_2025-05-13_13-56-28.xad

Created: 5/13/2025 1:56:27 PM
 Modified: 5/13/2025 2:48:52 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : Irene_623

Number of peaks found: 0 Corr. Area 1: 36.5
 Noise: 0.4

Peak table for sample 3 : Irene_623

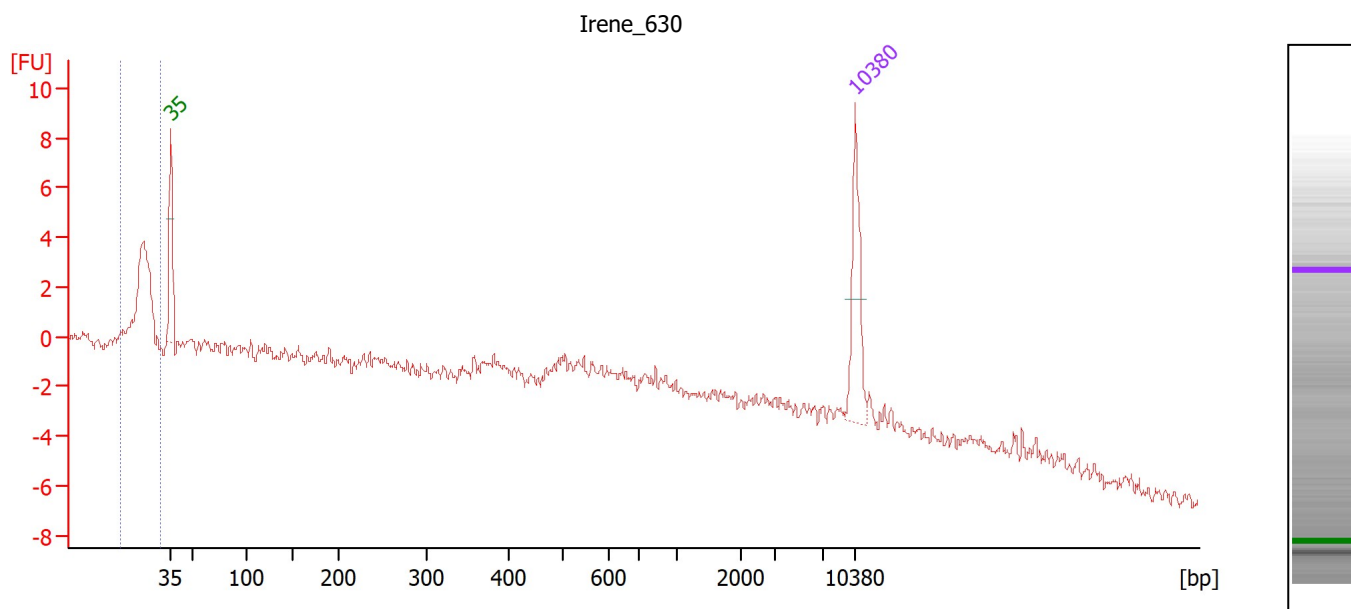
Peak	Size [bp]	Conc. [pg/μl]	Observations	Molarity [pmol/l]
1	35	125.00	Lower Marker	5,411.3
2	10,380	75.00	Upper Marker	10.9

Region table for sample 3 : Irene_623

From [bp]	To [bp]	Corr. Area	Average Size [bp]	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	36.5	469	50	38.0	181.99	722.1	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE54107205_2025-05-13_13-56-28.xad

Created: 5/13/2025 1:56:27 PM
 Modified: 5/13/2025 2:48:52 PM

Electropherogram Summary Continued ...**Overall Results for sample 4 : Irene_630**

Number of peaks found: 0 Corr. Area 1: 16.2
 Noise: 0.3

Peak table for sample 4 : Irene_630

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

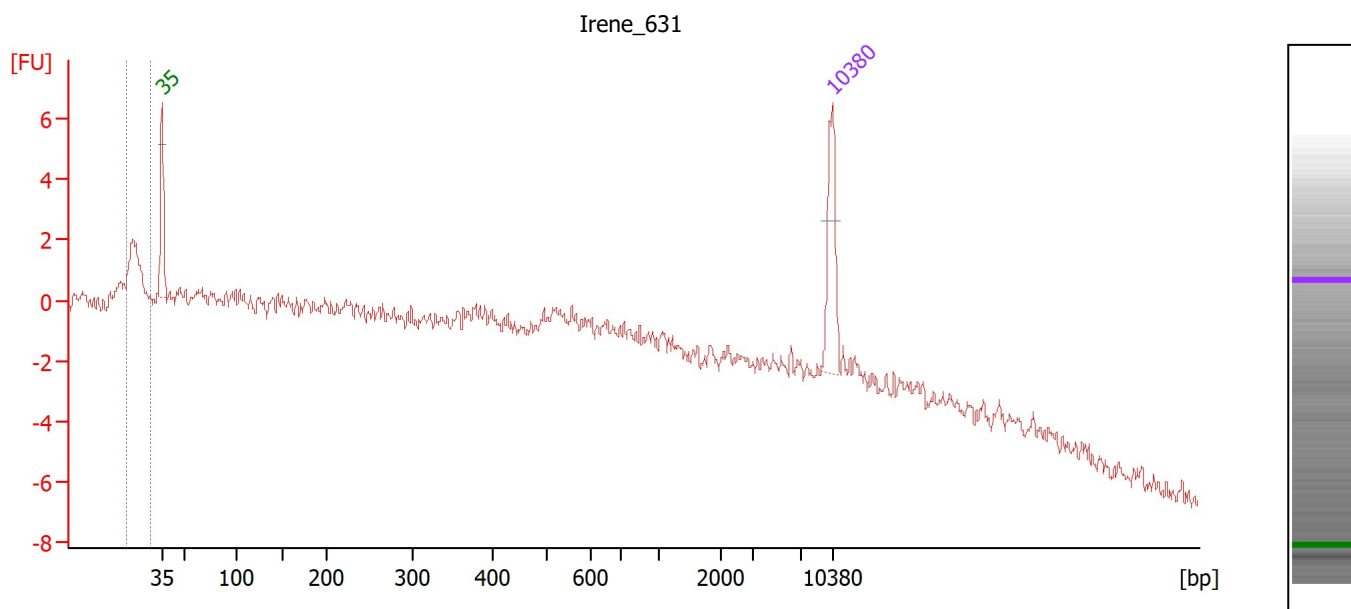
Region table for sample 4 : Irene_630

From [bp]	To [bp]	Corr. Area	Average Size [bp]	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
1	29	16.2	16	13	30.7	313.10	29,586.8	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE54107205_2025-05-13_13-56-28.xad

Created: 5/13/2025 1:56:27 PM
 Modified: 5/13/2025 2:48:52 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : Irene_631

Number of peaks found: 0 Corr. Area 1: 8.0
 Noise: 0.4

Peak table for sample 5 : Irene_631

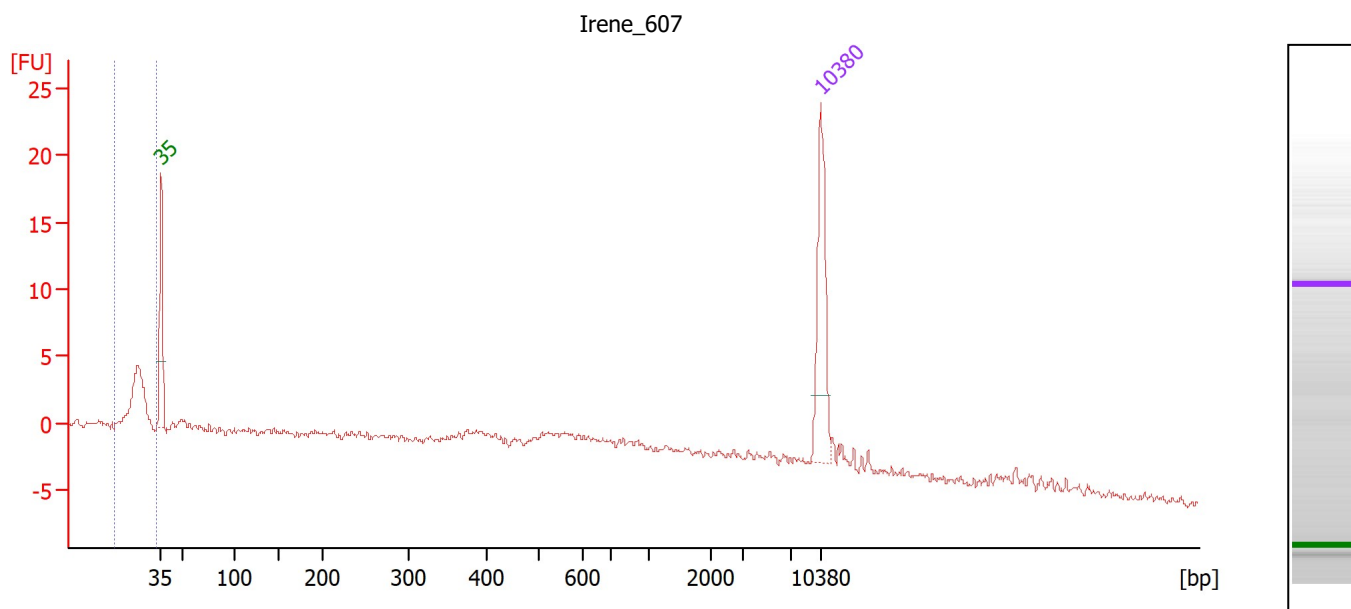
Peak	Size [bp]	Conc. [pg/μl]	Observations	Molarity [pmol/l]
1	35	125.00	Lower Marker	5,411.3
2	10,380	75.00	Upper Marker	10.9

Region table for sample 5 : Irene_631

From [bp]	To [bp]	Corr. Area	Average Size [bp]	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
10	26	8.0	17	4	23.0	211.13	19,062.1	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE54107205_2025-05-13_13-56-28.xad

Created: 5/13/2025 1:56:27 PM
 Modified: 5/13/2025 2:48:52 PM

Electropherogram Summary Continued ...**Overall Results for sample 6 : Irene_607**

Number of peaks found: 0 Corr. Area 1: 14.8
 Noise: 0.3

Peak table for sample 6 : Irene_607

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

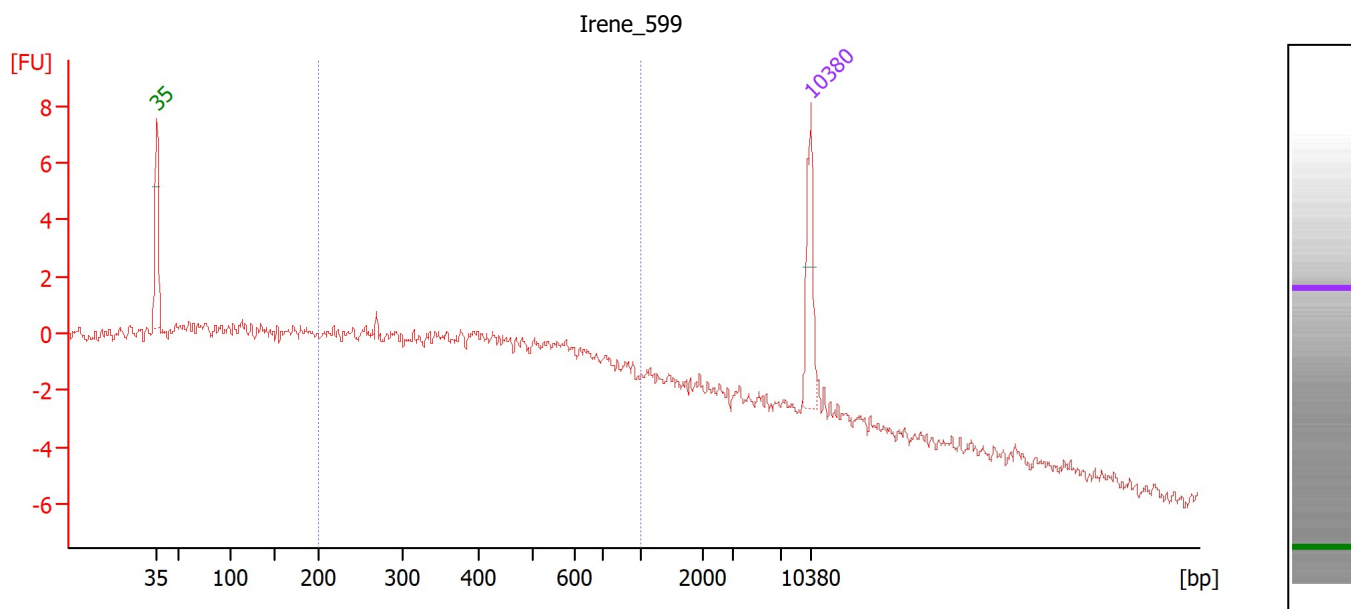
Region table for sample 6 : Irene_607

From [bp]	To [bp]	Corr. Area	Average Size [bp]	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
3	32	14.8	19	15	21.8	120.76	9,830.7	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE54107205_2025-05-13_13-56-28.xad

Created: 5/13/2025 1:56:27 PM
 Modified: 5/13/2025 2:48:52 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : Irene_599

Number of peaks found: 0 Corr. Area 1: 70.3
 Noise: 0.2

Peak table for sample 7 : Irene_599

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

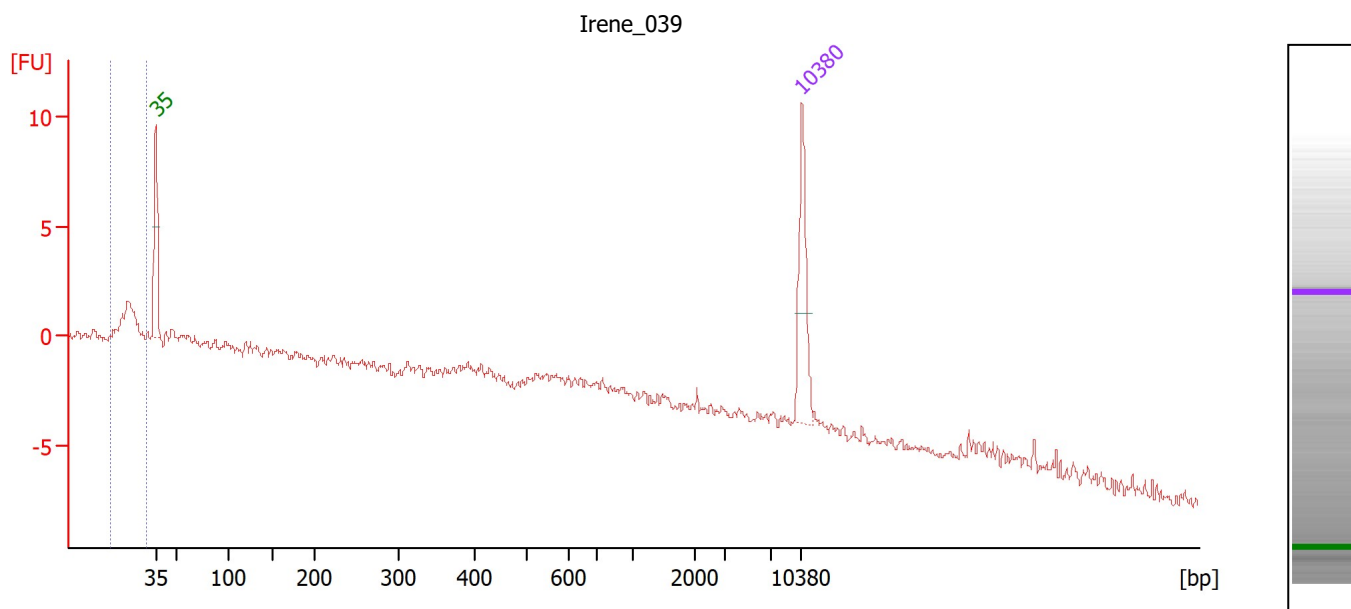
Region table for sample 7 : Irene_599

From [bp]	To [bp]	Corr. Area	Average Size [bp]	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	70.3	462	54	40.1	1,067.54	4,373.2	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE54107205_2025-05-13_13-56-28.xad

Created: 5/13/2025 1:56:27 PM
 Modified: 5/13/2025 2:48:52 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : Irene_039

Number of peaks found: 0 Corr. Area 1: 6.8
 Noise: 0.3

Peak table for sample 8 : Irene_039

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

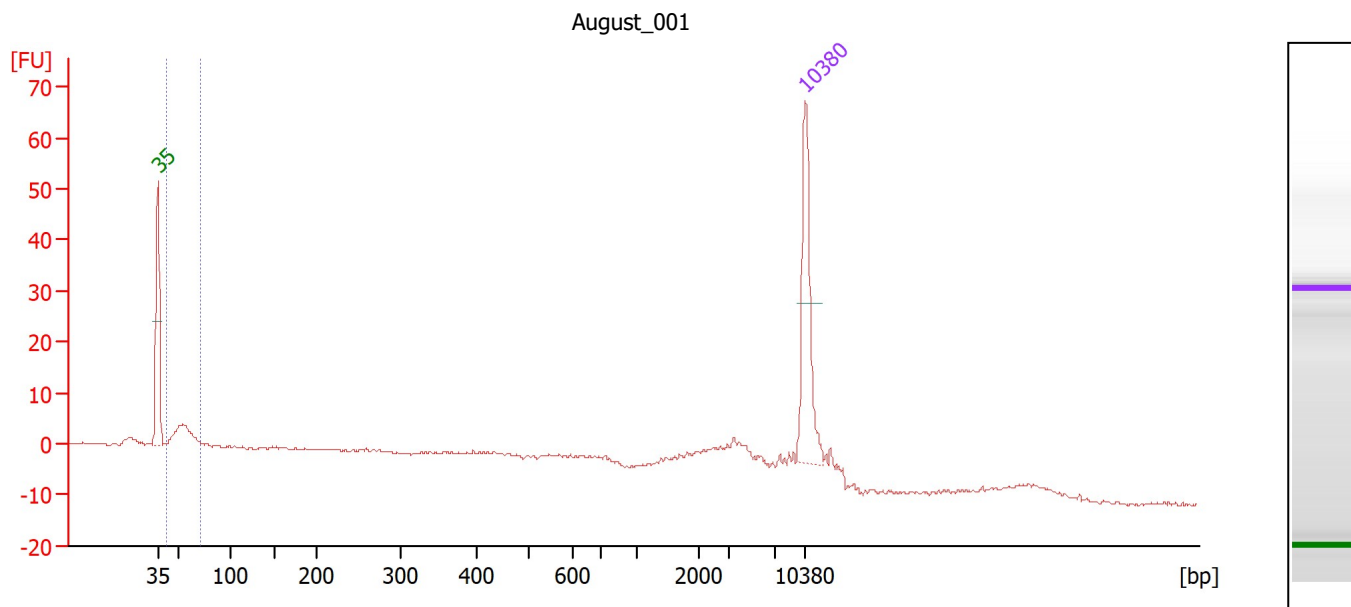
Region table for sample 8 : Irene_039

From [bp]	To [bp]	Corr. Area	Average Size [bp]	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
3	28	6.8	16	8	30.2	114.62	10,837.9	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE54107205_2025-05-13_13-56-28.xad

Created: 5/13/2025 1:56:27 PM
 Modified: 5/13/2025 2:48:52 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : August_001

Number of peaks found: 0 Corr. Area 1: 23.2
 Noise: 0.3

Peak table for sample 9 : August_001

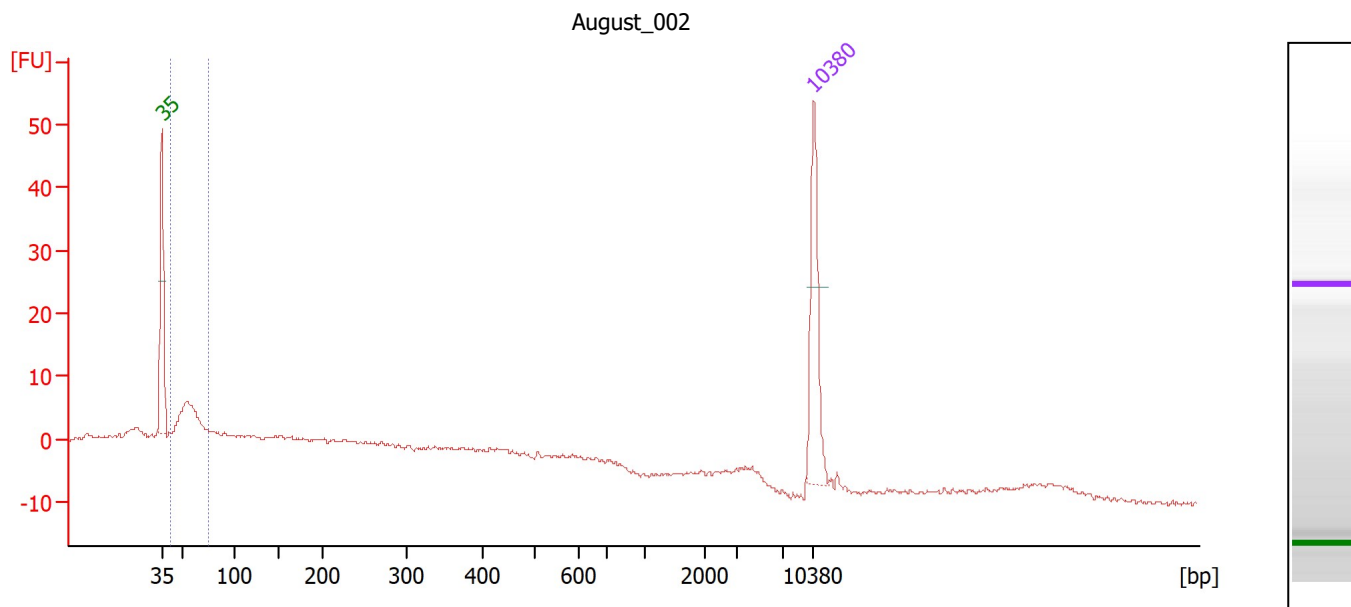
Peak	Size [bp]	Conc. [pg/μl]	Observations	Molarity [pmol/l]
1	35	125.00	Lower Marker	5,411.3
2	10,380	75.00	Upper Marker	10.9

Region table for sample 9 : August_001

From [bp]	To [bp]	Corr. Area	Average Size [bp]	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
42	70	23.2	54	9	13.0	56.22	1,586.2	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE54107205_2025-05-13_13-56-28.xad

Created: 5/13/2025 1:56:27 PM
 Modified: 5/13/2025 2:48:52 PM

Electropherogram Summary Continued ...**Overall Results for sample 10 : August_002**

Number of peaks found: 0 Corr. Area 1: 36.7
 Noise: 0.3

Peak table for sample 10 : August_002

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

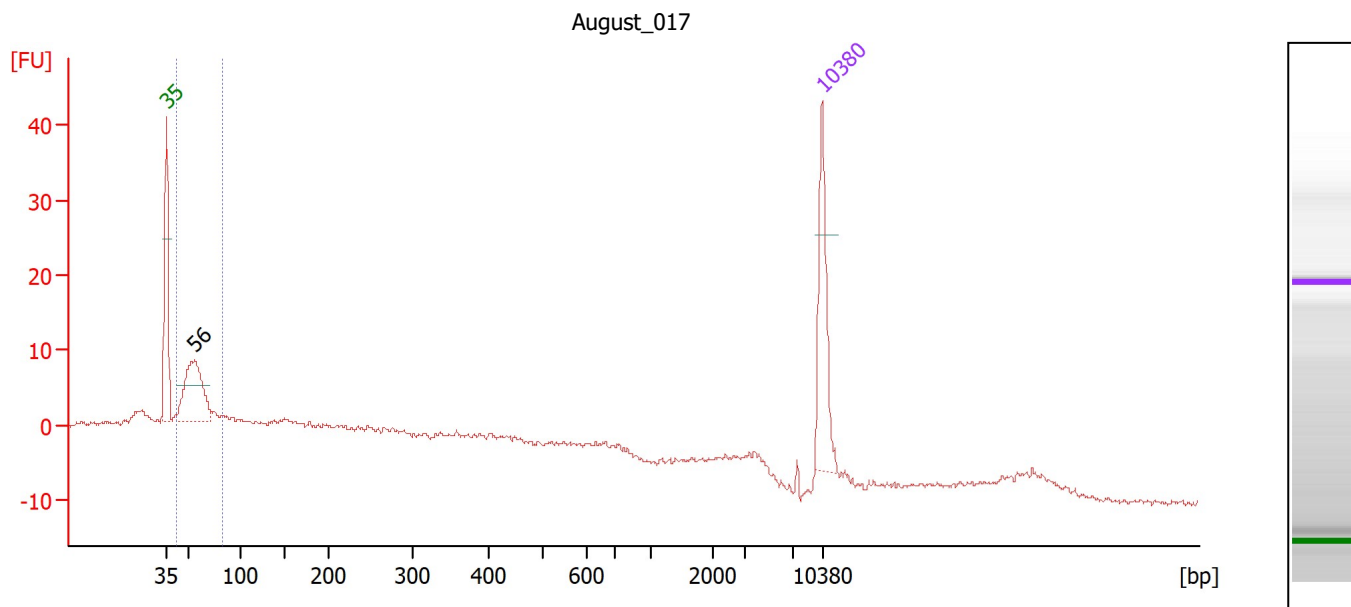
Region table for sample 10 : August_002

From [bp]	To [bp]	Corr. Area	Average Size [bp]	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
41	74	36.7	56	19	14.7	116.25	3,181.3	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE54107205_2025-05-13_13-56-28.xad

Created: 5/13/2025 1:56:27 PM
 Modified: 5/13/2025 2:48:52 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : August_017

Number of peaks found: 1 Corr. Area 1: 54.0
 Noise: 0.4

Peak table for sample 11 : August_017

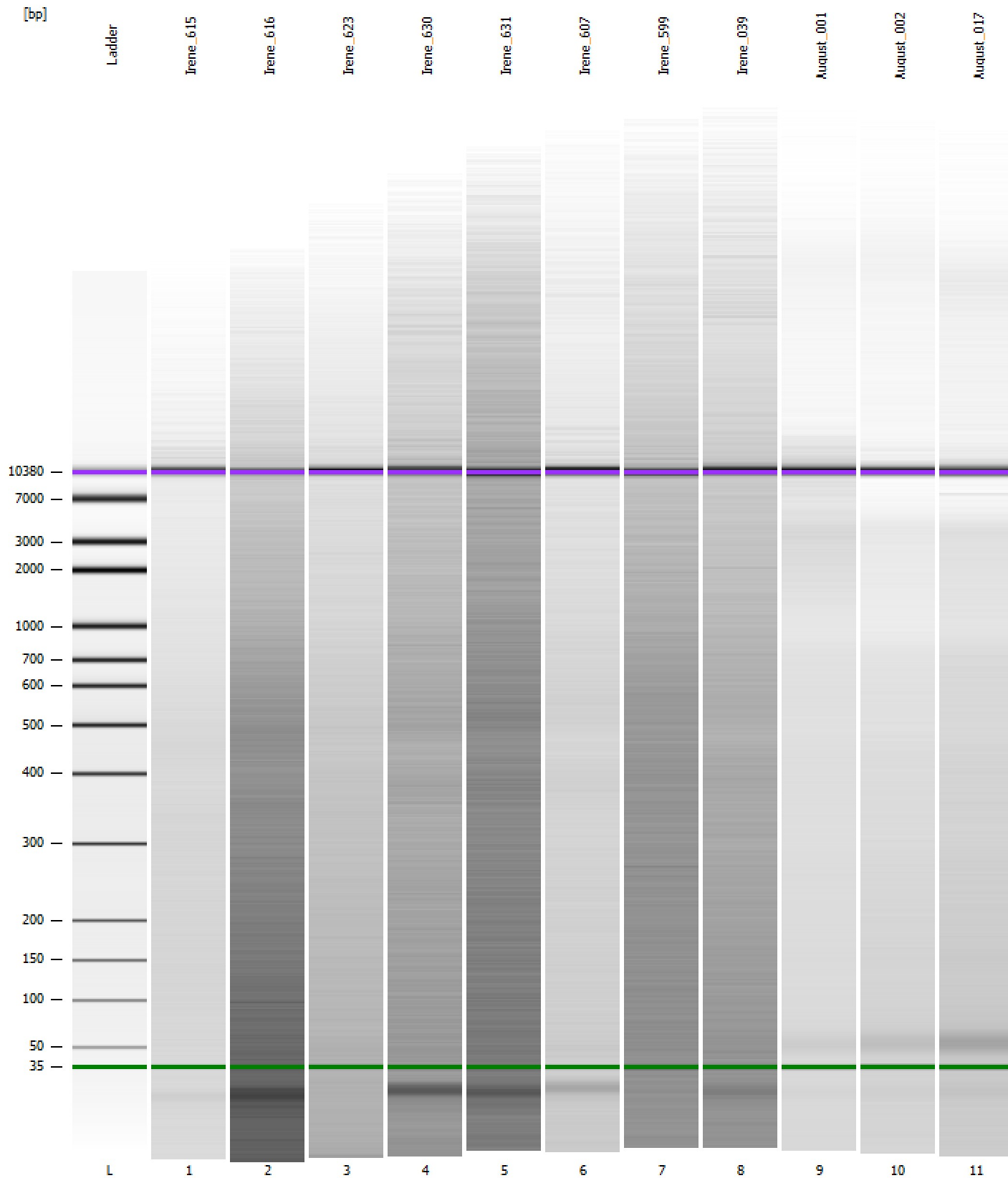
Peak	Size [bp]	Conc. [pg/μl]	Observations	Molarity [pmol/l]
1	35	125.00	Lower Marker	5,411.3
2	56	142.81		3,830.7
3	10,380	75.00	Upper Marker	10.9

Region table for sample 11 : August_017

From [bp]	To [bp]	Corr. Area	Average Size [bp]	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
42	83	54.0	58	22	16.8	205.22	5,433.7	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gh Sensitivity DNA Assay_DE54107205_2025-05-13_13-56-28.xad

Created: 5/13/2025 1:56:27 PM
Modified: 5/13/2025 2:48:52 PM

Gel Image

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gh Sensitivity DNA Assay_DE54107205_2025-05-13_13-56-28.xad

Created: 5/13/2025 1:56:27 PM
Modified: 5/13/2025 2:48:52 PM

Curves

Standard Curve

