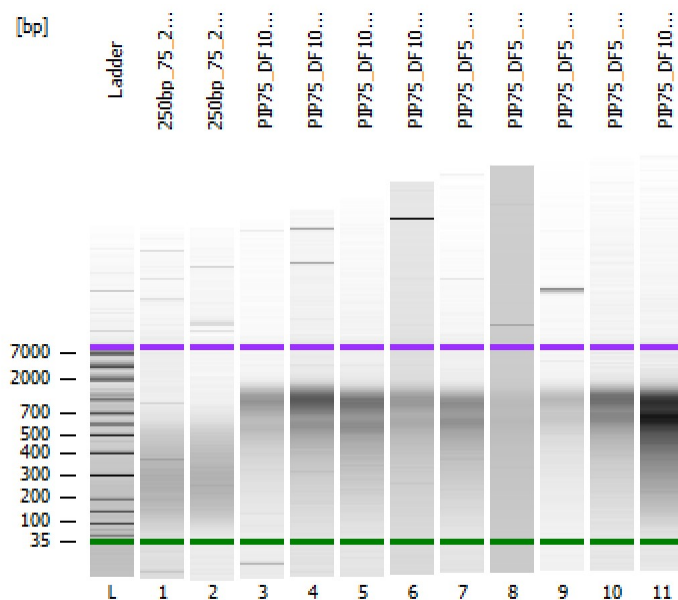


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-09-03_001.xad

Created: 9/3/2025 3:57:38 PM
Modified: 9/4/2025 10:00:32 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

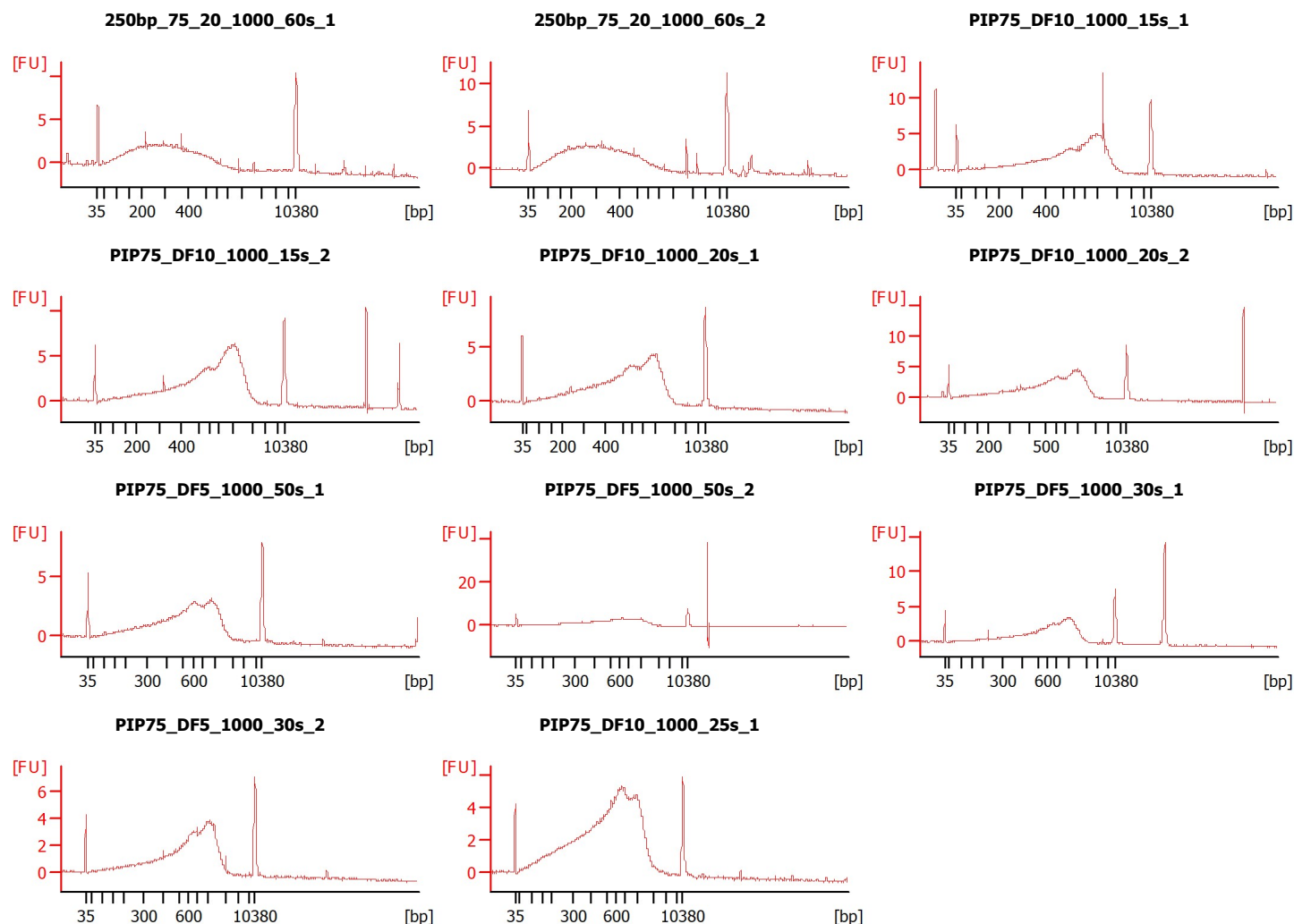
Assay Comments: Copyright © 2003-2010 Agilent Technologies

Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-09-03_001.xad

Created: 9/3/2025 3:57:38 PM
 Modified: 9/4/2025 10:00:32 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
250bp_75_20_1000_60s_1		☐	✓			
250bp_75_20_1000_60s_2		☐	✓			
PIP75_DF10_1000_15s_1		☐	✓			
PIP75_DF10_1000_15s_2		☐	✓			
PIP75_DF10_1000_20s_1		☐	✓			
PIP75_DF10_1000_20s_2		☐	✓			
PIP75_DF5_1000_50s_1		☐	✓			
PIP75_DF5_1000_50s_2		☐	✓			
PIP75_DF5_1000_30s_1		☐	✓			
PIP75_DF5_1000_30s_2		☐	✓			
PIP75_DF10_1000_25s_1		☐	✓			
Ladder		☐	✓			

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-09-03_001.xad

Created: 9/3/2025 3:57:38 PM
 Modified: 9/4/2025 10:00:32 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

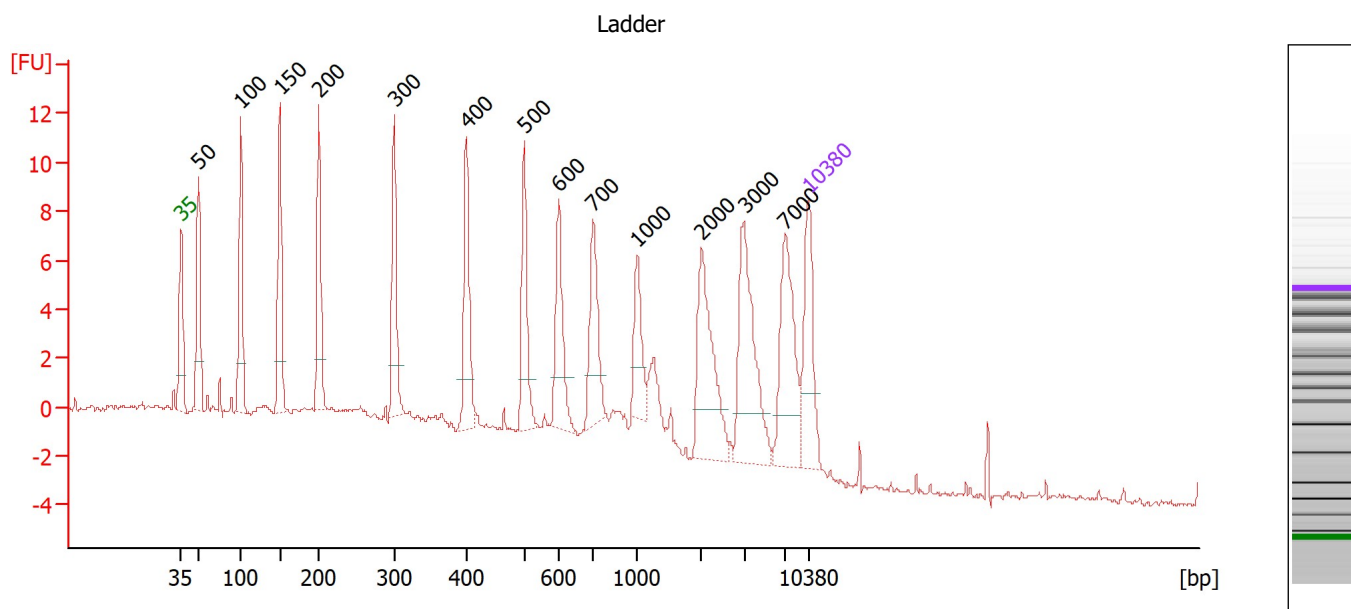
Ladder

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_2025-09-03_001.xad

Created: 9/3/2025 3:57:38 PM
 Modified: 9/4/2025 10:00:32 AM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.1

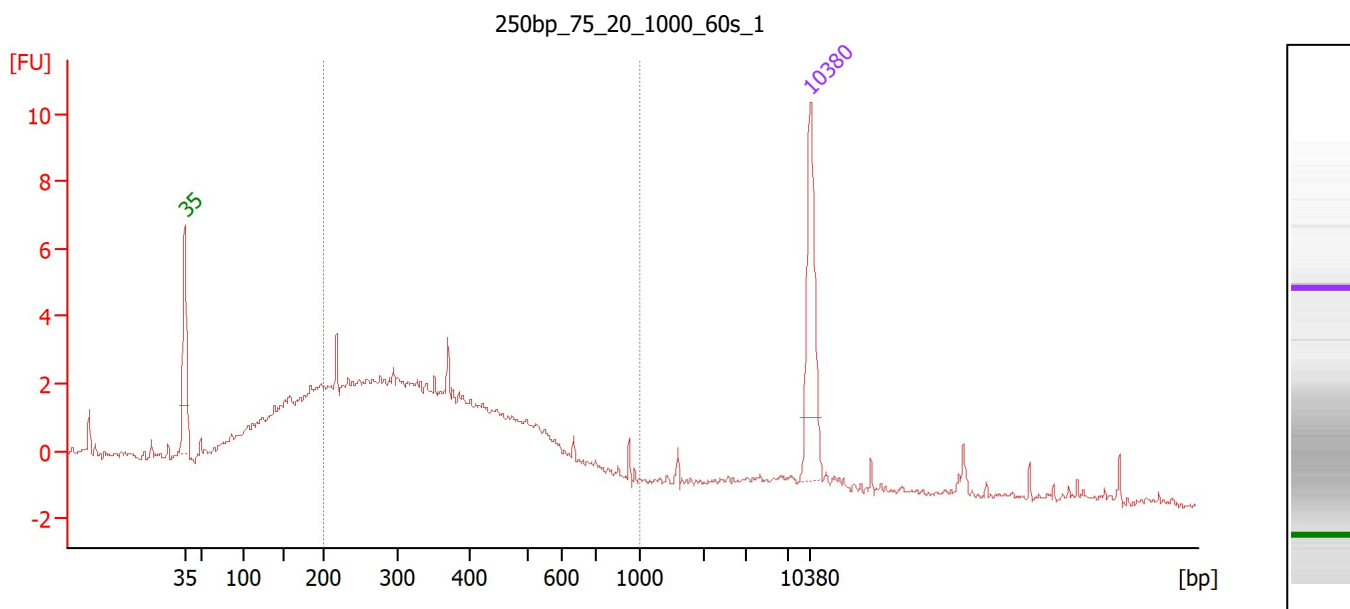
Peak table for Ladder

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_2025-09-03_001.xad

Created: 9/3/2025 3:57:38 PM
 Modified: 9/4/2025 10:00:32 AM

Electropherogram Summary Continued ...



Overall Results for sample 1 : 250bp 75 20 1000 60s 1

Number of peaks found: 0 Corr. Area 1: 75.3
 Noise: 0.1

Peak table for sample 1 : 250bp 75 20 1000 60s 1

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

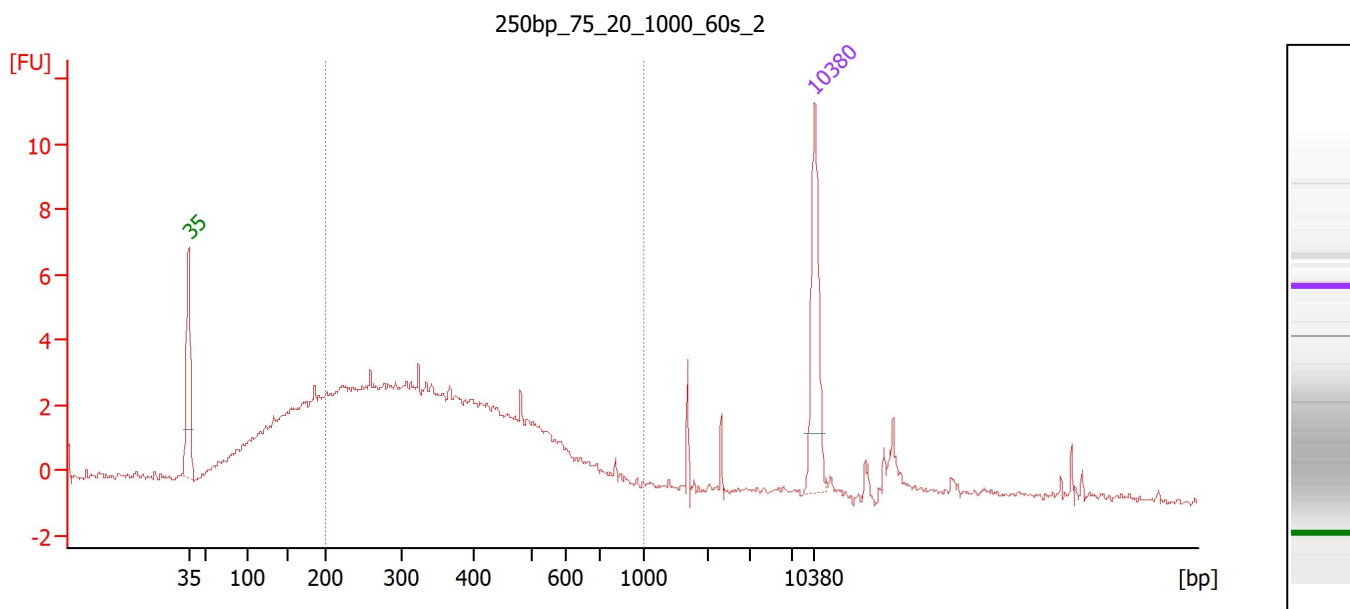
Region table for sample 1 : 250bp 75 20 1000 60s 1

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	75.3	70	365	34.2	874.97	4,165.0	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-09-03_001.xad

Created: 9/3/2025 3:57:38 PM
 Modified: 9/4/2025 10:00:32 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 : 250bp 75 20 1000 60s 2

Number of peaks found: 0 Corr. Area 1: 94.1
 Noise: 0.1

Peak table for sample 2 : 250bp 75 20 1000 60s 2

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

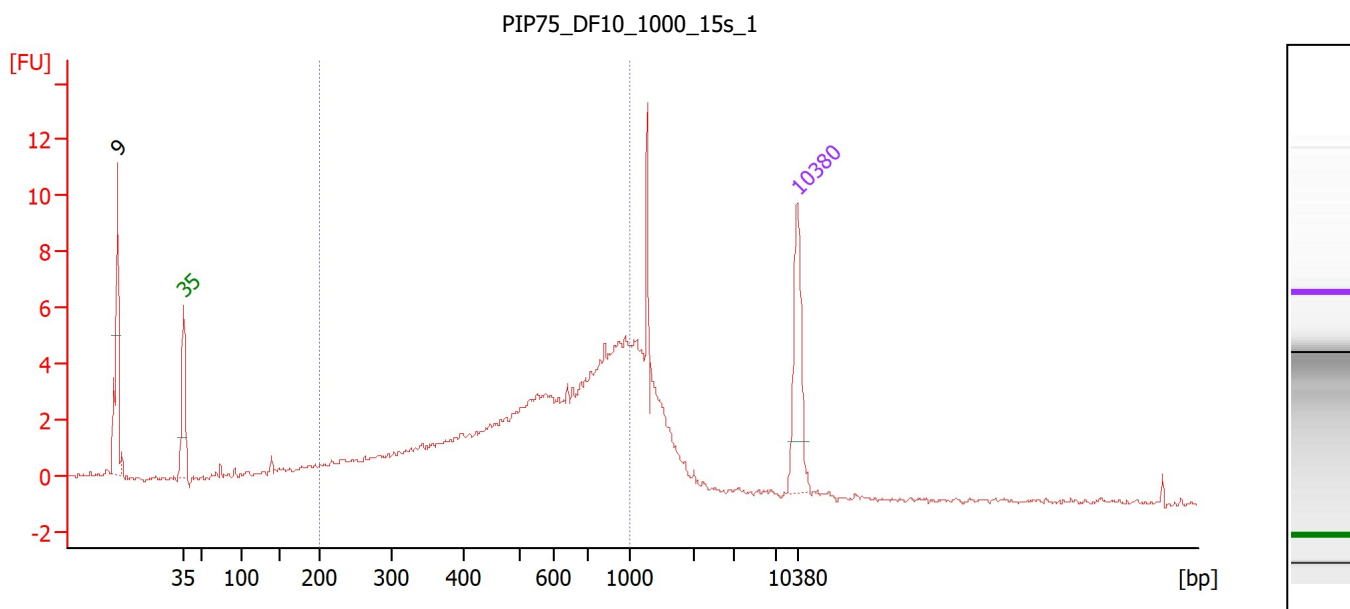
Region table for sample 2 : 250bp 75 20 1000 60s 2

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	94.1	66	379	36.0	1,097.67	5,121.2	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-09-03_001.xad

Created: 9/3/2025 3:57:38 PM
 Modified: 9/4/2025 10:00:32 AM

Electropherogram Summary Continued ...



Overall Results for sample 3 : PIP75_DF10_1000_15s_1

Number of peaks found: 1 Corr. Area 1: 89.5
 Noise: 0.1

Peak table for sample 3 : PIP75_DF10_1000_15s_1

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	9	0.00	0.0	
2	35	125.00	5,411.3	Lower Marker
3	10,380	75.00	10.9	Upper Marker

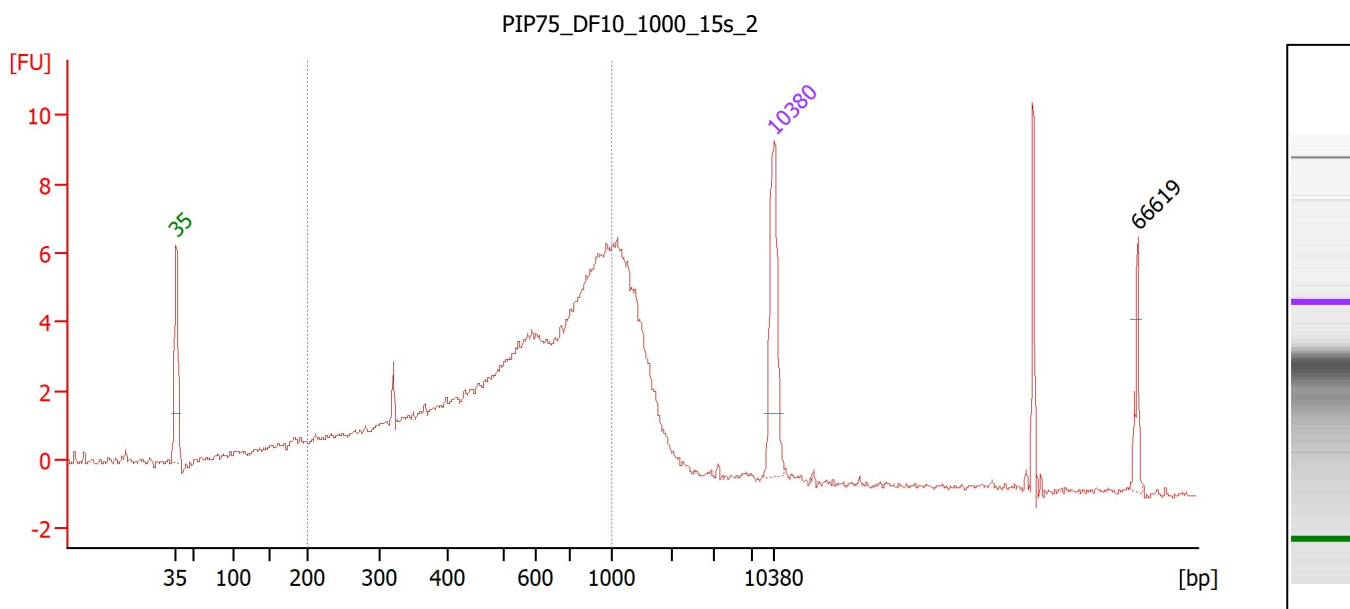
Region table for sample 3 : PIP75_DF10_1000_15s_1

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	89.5	67	585	36.3	1,033.02	3,365.1	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-09-03_001.xad

Created: 9/3/2025 3:57:38 PM
 Modified: 9/4/2025 10:00:32 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : PIP75 DF10 1000 15s 2

Number of peaks found: 1 Corr. Area 1: 109.4
 Noise: 0.1

Peak table for sample 4 : PIP75 DF10 1000 15s 2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	10,380	75.00	10.9	Upper Marker
3	66,619	0.00	0.0	

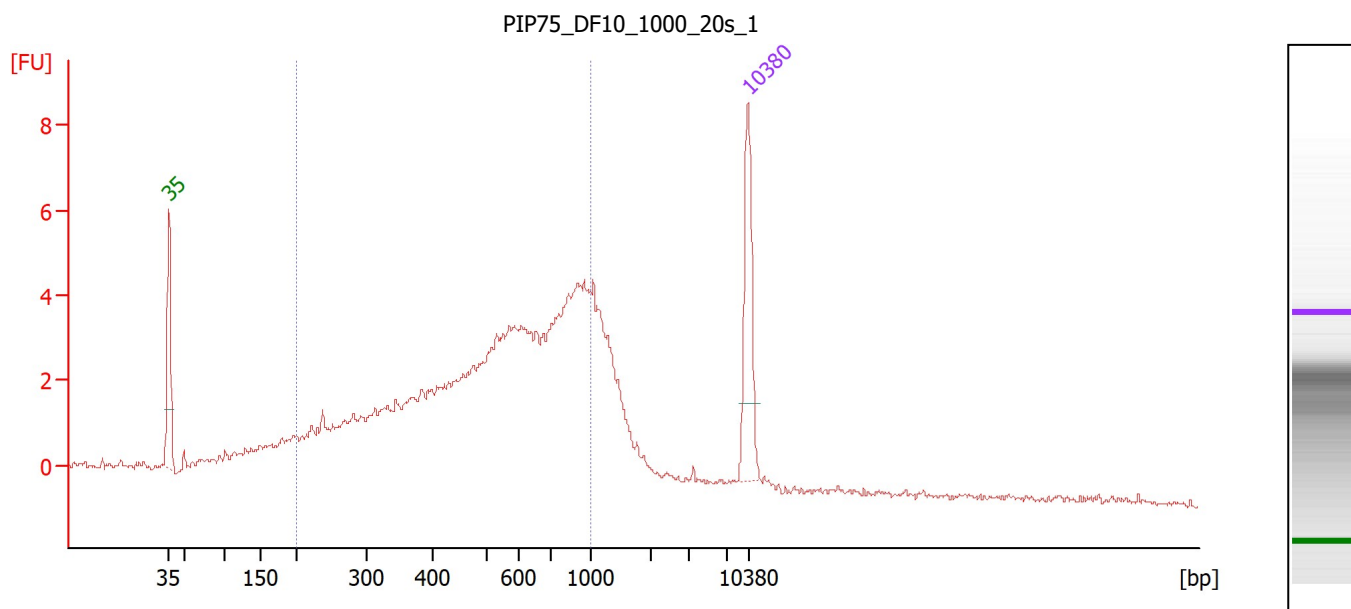
Region table for sample 4 : PIP75 DF10 1000 15s 2

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	109.4	68	584	36.8	1,331.39	4,373.0	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-09-03_001.xad

Created: 9/3/2025 3:57:38 PM
Modified: 9/4/2025 10:00:32 AM

Electropherogram Summary Continued ...



Overall Results for sample 5 : PIP75_DF10_1000_20s_1

Number of peaks found: 0 Corr. Area 1: 95.1
Noise: 0.1

Peak table for sample 5 : PIP75_DF10_1000_20s_1

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

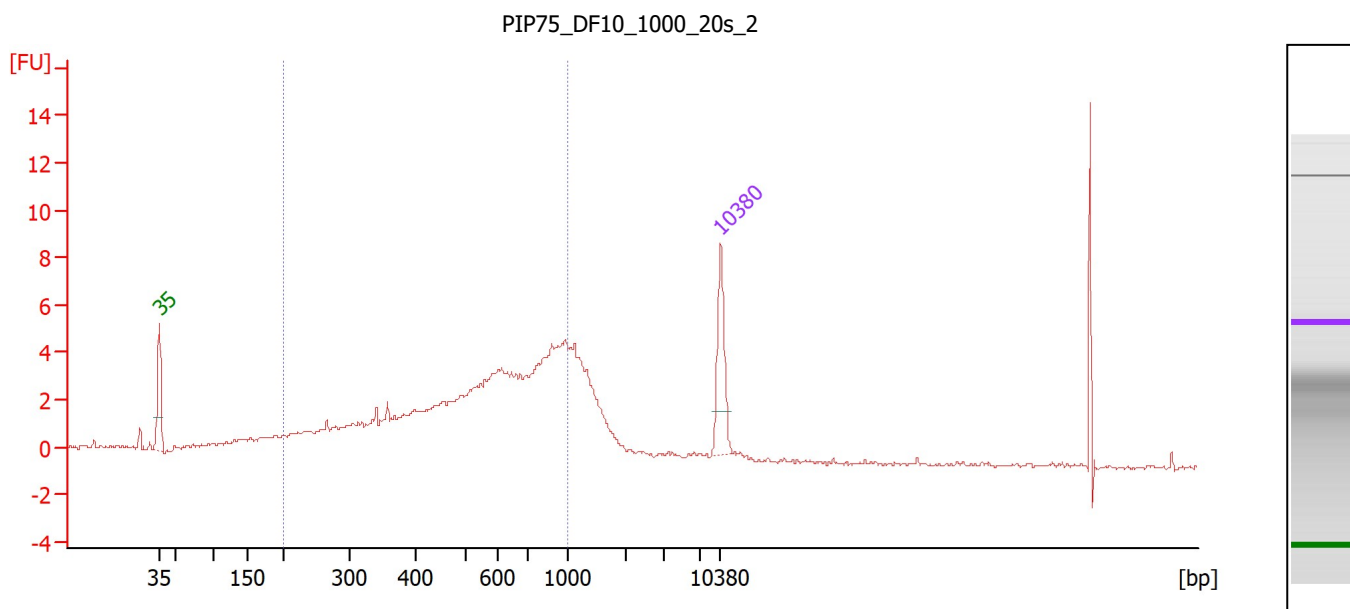
Region table for sample 5 : PIP75_DF10_1000_20s_1

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	95.1	77	557	37.7	1,270.64	4,368.1	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-09-03_001.xad

Created: 9/3/2025 3:57:38 PM
 Modified: 9/4/2025 10:00:32 AM

Electropherogram Summary Continued ...



Overall Results for sample 6 : PIP75_DF10_1000_20s_2

Number of peaks found: 0 Corr. Area 1: 84.2
 Noise: 0.1

Peak table for sample 6 : PIP75_DF10_1000_20s_2

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

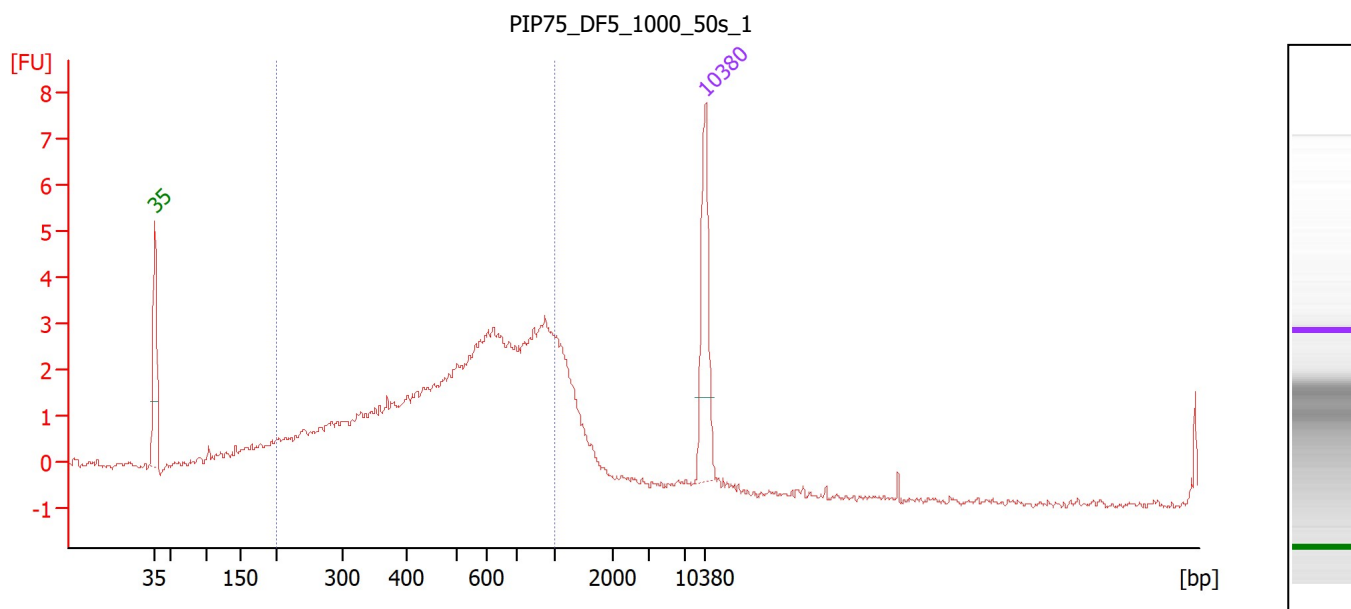
Region table for sample 6 : PIP75_DF10_1000_20s_2

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	84.2	74	574	36.6	1,203.38	3,989.3	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-09-03_001.xad

Created: 9/3/2025 3:57:38 PM
Modified: 9/4/2025 10:00:32 AM

Electropherogram Summary Continued ...



Overall Results for sample 7 : PIP75_DF5_1000_50s_1

Number of peaks found: 0 Corr. Area 1: 66.3
Noise: 0.1

Peak table for sample 7 : PIP75_DF5_1000_50s_1

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

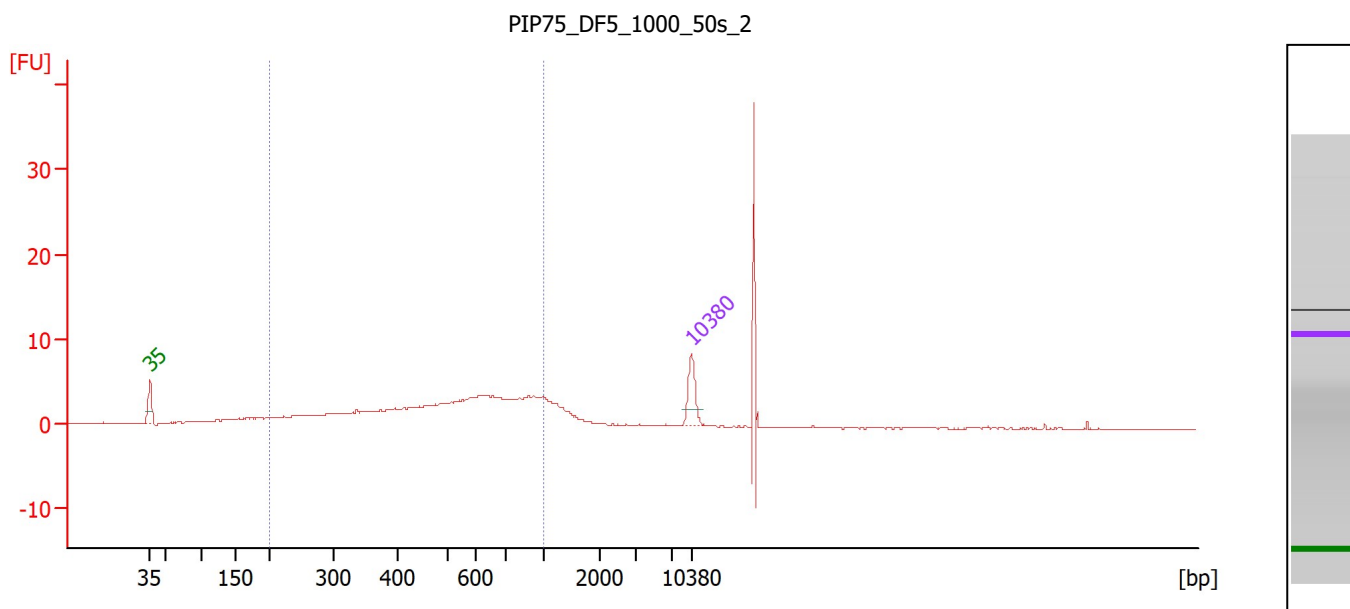
Region table for sample 7 : PIP75_DF5_1000_50s_1

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	66.3	85	561	36.4	951.83	3,202.9	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-09-03_001.xad

Created: 9/3/2025 3:57:38 PM
 Modified: 9/4/2025 10:00:32 AM

Electropherogram Summary Continued ...



Overall Results for sample 8 : PIP75_DF5_1000_50s_2

Number of peaks found: 0 Corr. Area 1: 83.9
 Noise: 0.1

Peak table for sample 8 : PIP75_DF5_1000_50s_2

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

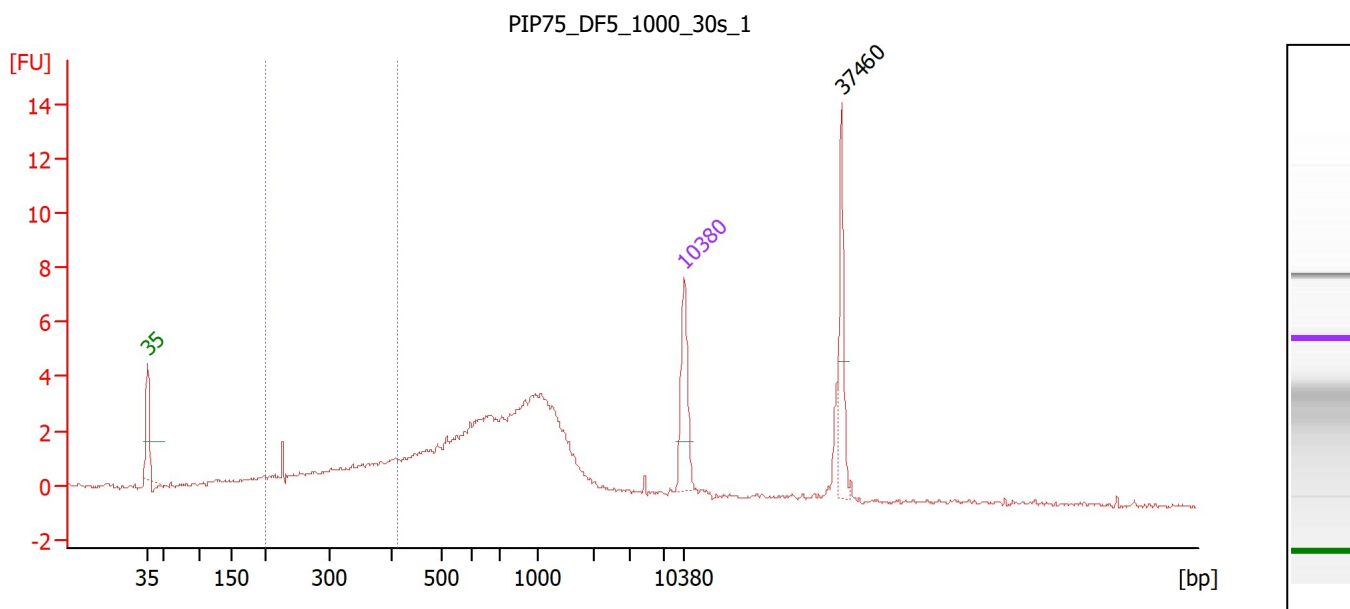
Region table for sample 8 : PIP75_DF5_1000_50s_2

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	83.9	74	547	37.3	1,227.40	4,261.3	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-09-03_001.xad

Created: 9/3/2025 3:57:38 PM
 Modified: 9/4/2025 10:00:32 AM

Electropherogram Summary Continued ...



Overall Results for sample 9 : PIP75_DF5_1000_30s_1

Number of peaks found: 1 Corr. Area 1: 16.4
 Noise: 0.1

Peak table for sample 9 : PIP75_DF5_1000_30s_1

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	10,380	75.00	10.9	Upper Marker
3	37,460	0.00	0.0	

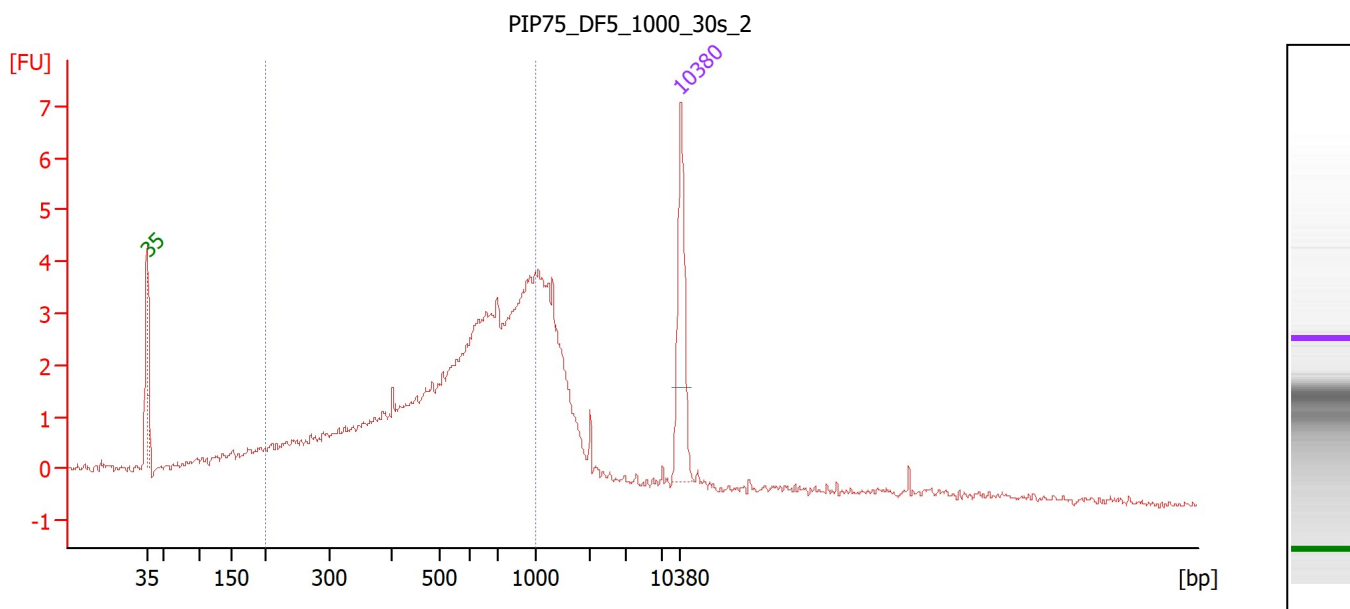
Region table for sample 9 : PIP75_DF5_1000_30s_1

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	412	16.4	18	319	18.8	296.28	1,481.2	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-09-03_001.xad

Created: 9/3/2025 3:57:38 PM
 Modified: 9/4/2025 10:00:32 AM

Electropherogram Summary Continued ...



Overall Results for sample 10 : PIP75_DF5_1000_30s_2

Number of peaks found: 0 Corr. Area 1: 64.2
 Noise: 0.1

Peak table for sample 10 : PIP75_DF5_1000_30s_2

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

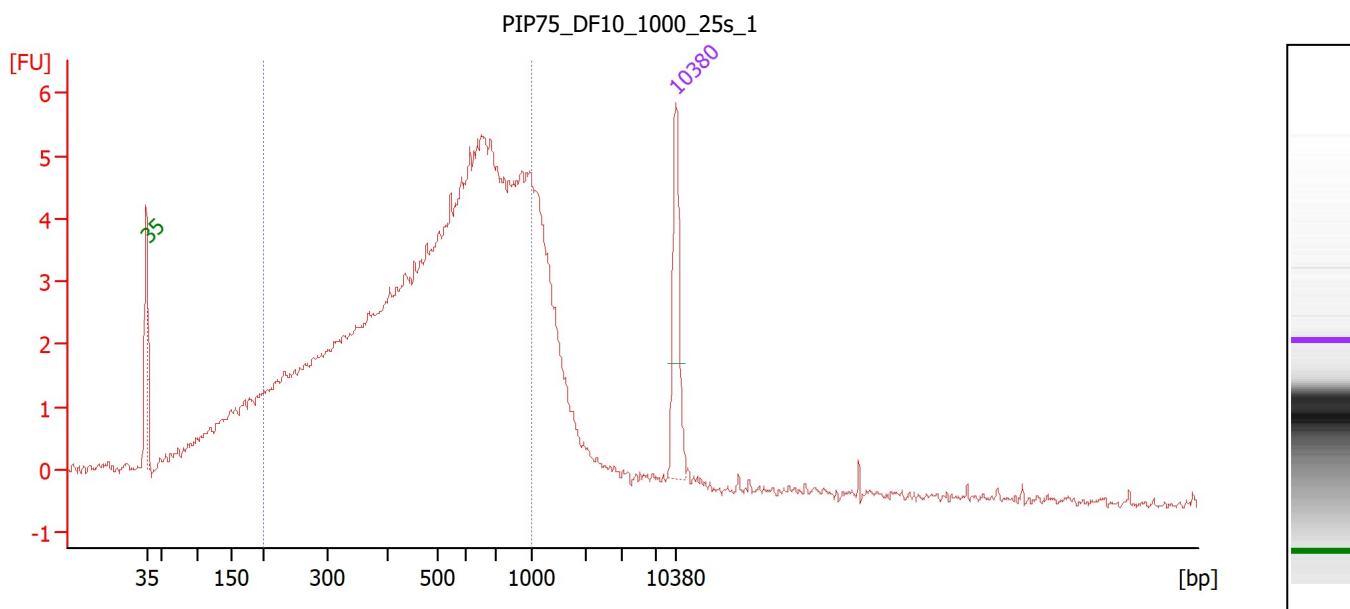
Region table for sample 10 : PIP75_DF5_1000_30s_2

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	64.2	70	589	35.5	1,058.85	3,405.4	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-09-03_001.xad

Created: 9/3/2025 3:57:38 PM
 Modified: 9/4/2025 10:00:32 AM

Electropherogram Summary Continued ...



Overall Results for sample 11 : PIP75_DF10_1000_25s_1

Number of peaks found: 0 Corr. Area 1: 126.8
 Noise: 0.1

Peak table for sample 11 : PIP75_DF10_1000_25s_1

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

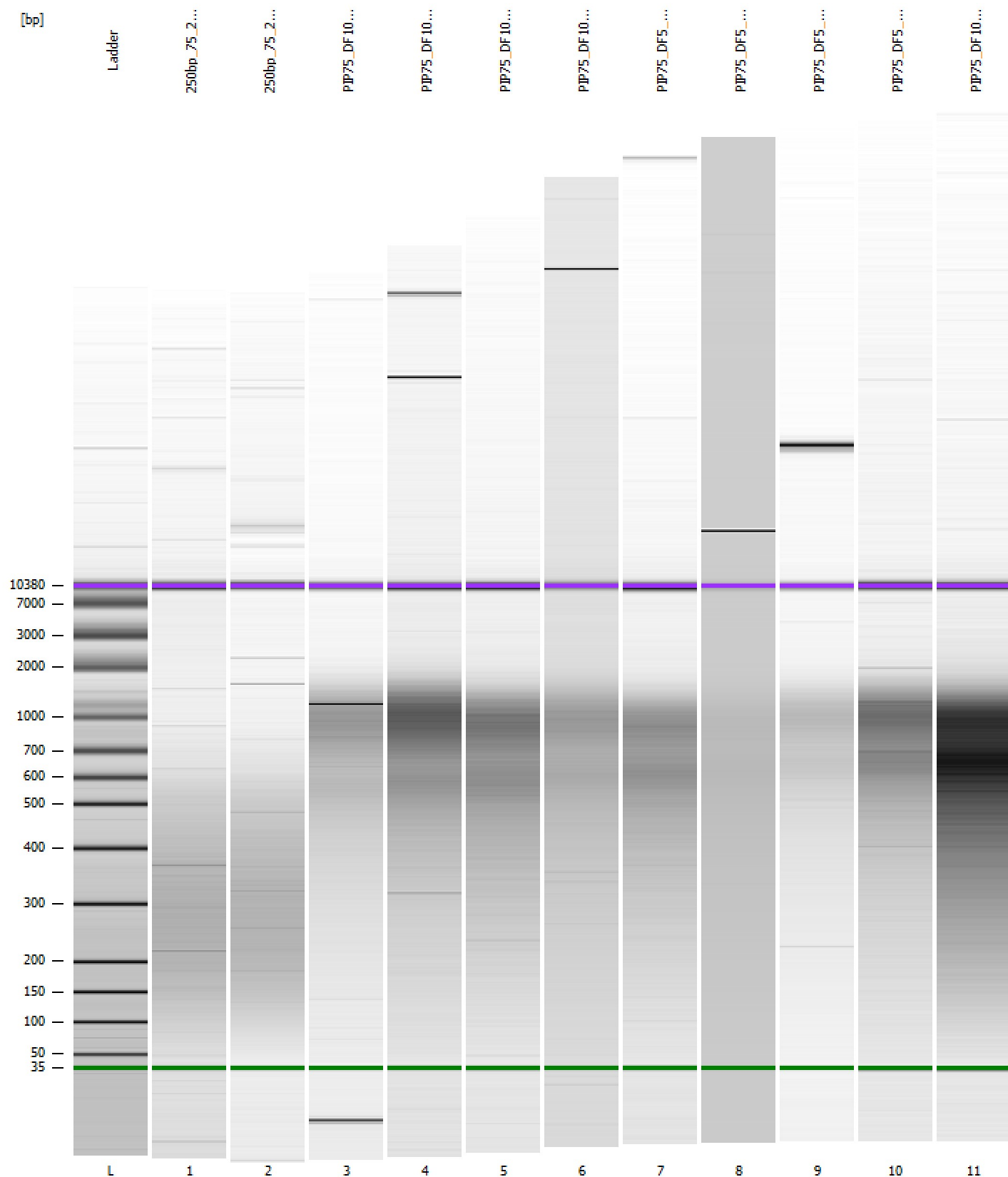
Region table for sample 11 : PIP75_DF10_1000_25s_1

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	126.8	75	540	37.7	2,664.54	9,415.4	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-09-03_001.xad

Created: 9/3/2025 3:57:38 PM
 Modified: 9/4/2025 10:00:32 AM

Gel Image



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-09-03_001.xad

Created: 9/3/2025 3:57:38 PM
 Modified: 9/4/2025 10:00:32 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		9/3/2025 4:38:58 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\2025-09-03\Bioanalyzer1_High Sensitivity DNA Assay_DE34903152_2025-09-03_001.xad)		Instrument	Run		9/3/2025 3:57:45 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		9/3/2025 3:57:45 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		9/3/2025 3:57:45 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		9/3/2025 3:57:45 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		9/3/2025 3:57:45 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		9/3/2025 3:57:45 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		9/3/2025 3:57:45 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB