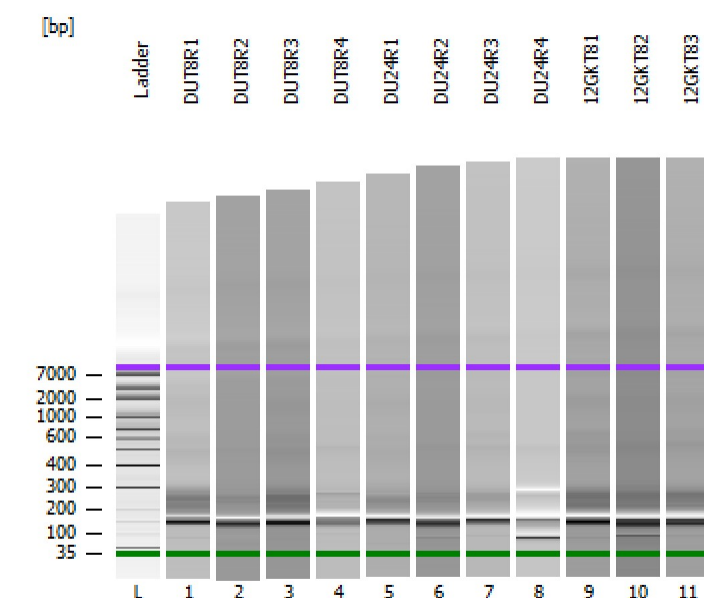


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-10-14_002.xad

Created: 10/14/2025 11:35:45 AM
Modified: 10/14/2025 12:29:38 PM

Electrophoresis File Run Summary



Instrument Information:

Instrument Name: DE34903152
Serial#: DE34903152

Firmware: C.01.069
Type: G2938C

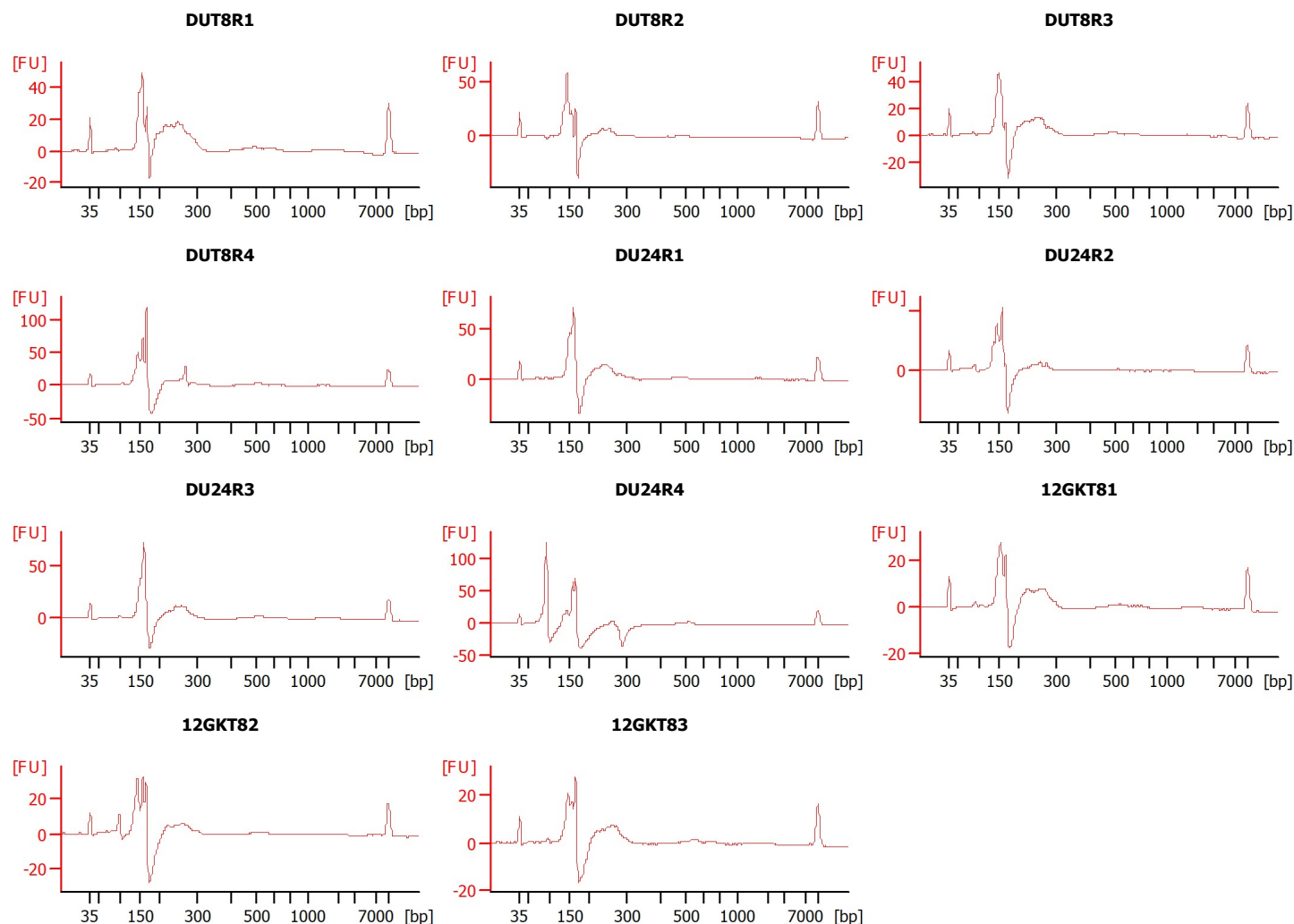
Assay Information:

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_2025-10-14_002.xad

Created: 10/14/2025 11:35:45 AM
 Modified: 10/14/2025 12:29:38 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
DUT8R1		☐	✓			
DUT8R2		☐	✓			
DUT8R3		☐	✓			
DUT8R4		☐	✓			
DU24R1		☐	✓			
DU24R2		☐	✓			
DU24R3		☐	✓			
DU24R4		☐	✓			
12GKT81		☐	✓			
12GKT82		☐	✓			
12GKT83		☐	✓			
Ladder		☐	✓			

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-10-14_002.xad

Created: 10/14/2025 11:35:45 AM
 Modified: 10/14/2025 12:29:38 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

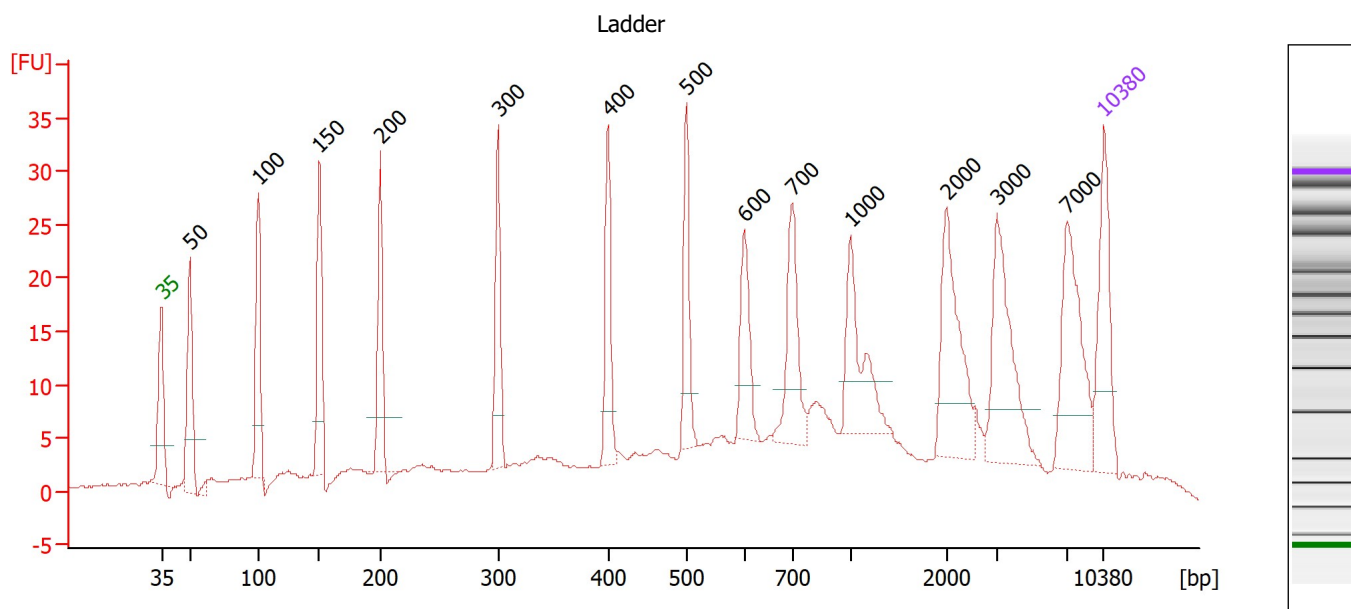
Ladder

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_2025-10-14_002.xad

Created: 10/14/2025 11:35:45 AM
Modified: 10/14/2025 12:29:38 PM

Electropherogram Summary



Overall Results for Ladder

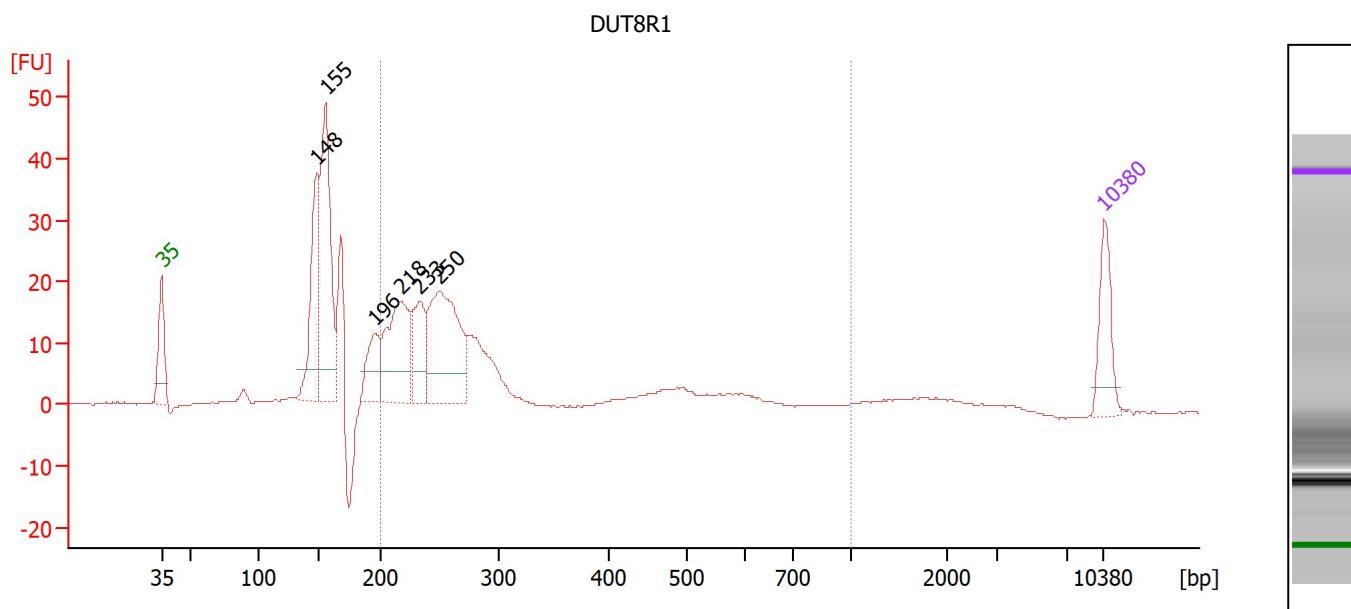
Noise: 0.1

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_2025-10-14_002.xad

Created: 10/14/2025 11:35:45 AM
 Modified: 10/14/2025 12:29:38 PM

Electropherogram Summary Continued ...**Overall Results for sample 1 : DUT8R1**

Number of peaks found: 6 Corr. Area 1: 221.6
 Noise: 0.2

Peak table for sample 1 : DUT8R1

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	148	227.74	2,332.6	
3	155	350.08	3,415.8	
4	196	87.50	677.3	
5	218	220.29	1,532.3	
6	233	114.37	743.1	
7	250	307.47	1,862.7	
8	10,380	75.00	10.9	Upper Marker

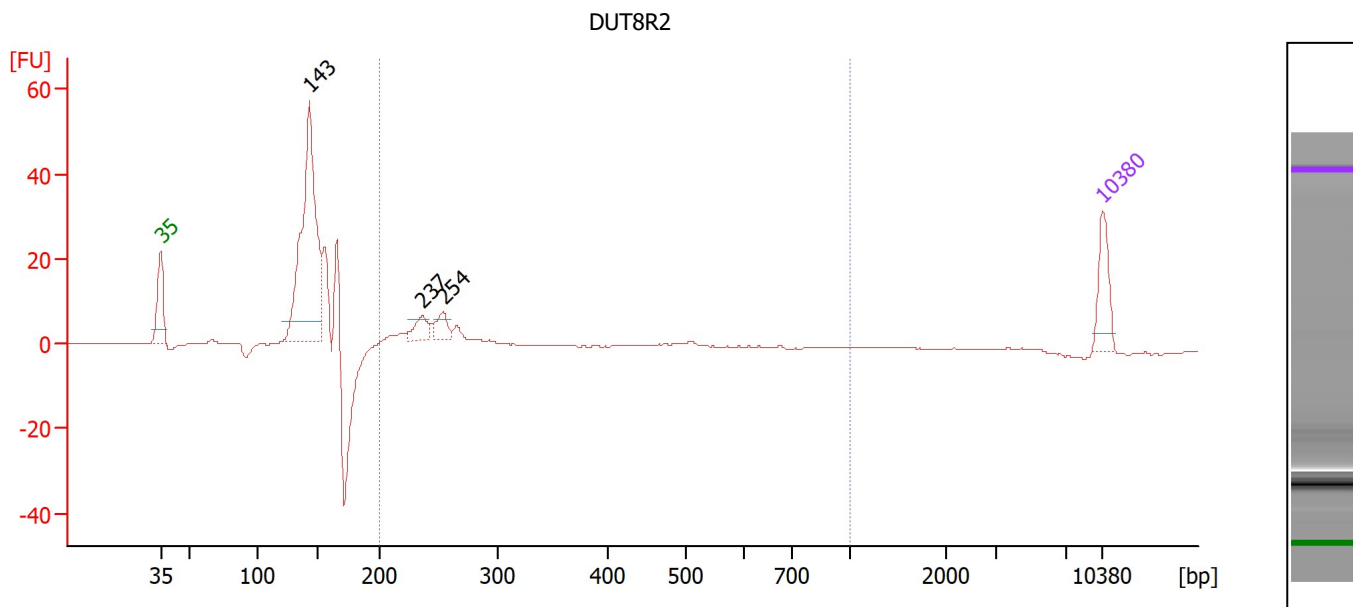
Region table for sample 1 : DUT8R1

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	221.6	54	317	45.1	1,026.87	5,757.8	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-10-14_002.xad

Created: 10/14/2025 11:35:45 AM
 Modified: 10/14/2025 12:29:38 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : DUT8R2

Number of peaks found: 3 Corr. Area 1: 54.3
 Noise: 0.1

Peak table for sample 2 : DUT8R2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	143	662.97	7,029.4	
3	237	50.53	323.5	
4	254	43.27	258.2	
5	10,380	75.00	10.9	Upper Marker

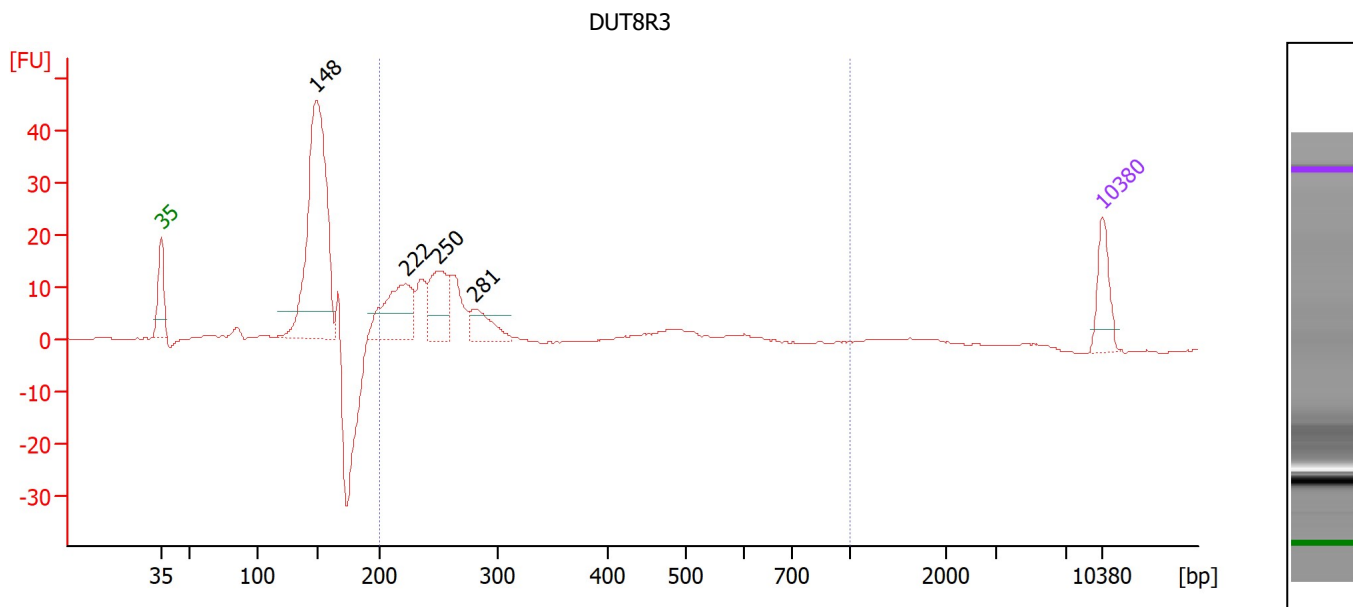
Region table for sample 2 : DUT8R2

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	54.3	27	316	44.6	281.00	1,571.4	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-10-14_002.xad

Created: 10/14/2025 11:35:45 AM
 Modified: 10/14/2025 12:29:38 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : DUT8R3

Number of peaks found: 4 Corr. Area 1: 154.6
 Noise: 0.1

Peak table for sample 3 : DUT8R3

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	148	796.40	8,138.9	
3	222	227.35	1,550.8	
4	250	168.58	1,022.2	
5	281	91.59	494.1	
6	10,380	75.00	10.9	Upper Marker

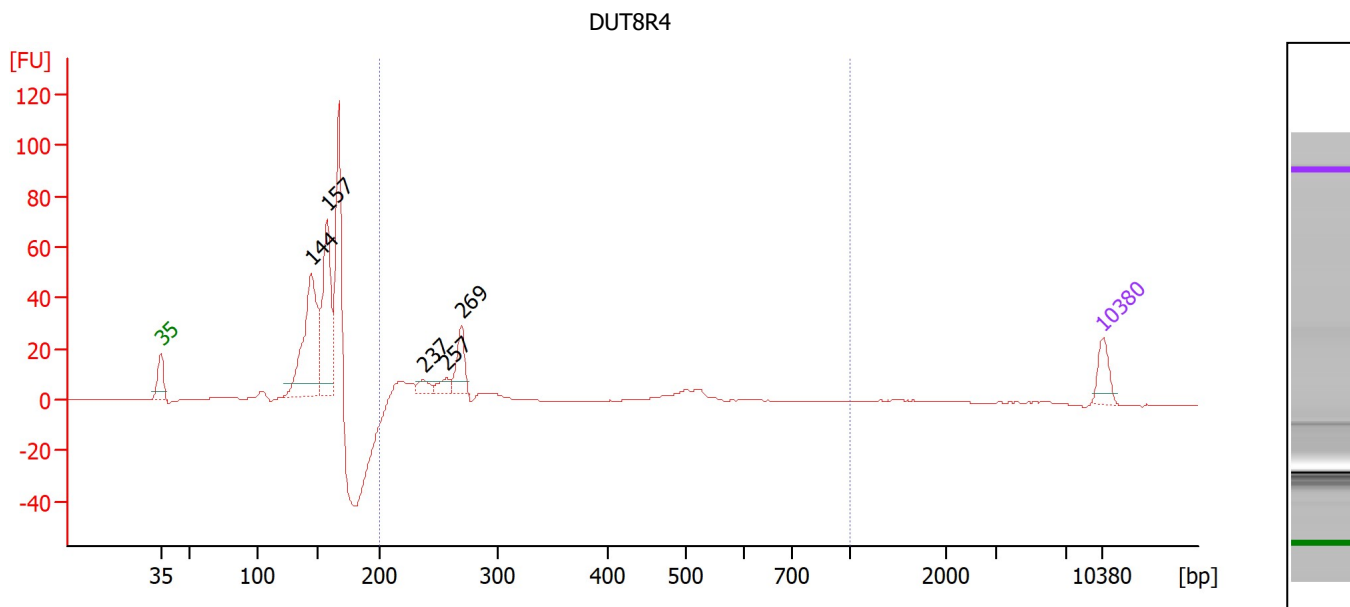
Region table for sample 3 : DUT8R3

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	154.6	49	331	46.4	884.91	4,865.3	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-10-14_002.xad

Created: 10/14/2025 11:35:45 AM
 Modified: 10/14/2025 12:29:38 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : DUT8R4

Number of peaks found: 5 Corr. Area 1: 120.0
 Noise: 0.1

Peak table for sample 4 : DUT8R4

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	144	651.23	6,840.5	
3	157	530.76	5,109.9	
4	237	50.43	322.4	
5	257	52.27	308.0	
6	269	147.71	831.2	
7	10,380	75.00	10.9	Upper Marker

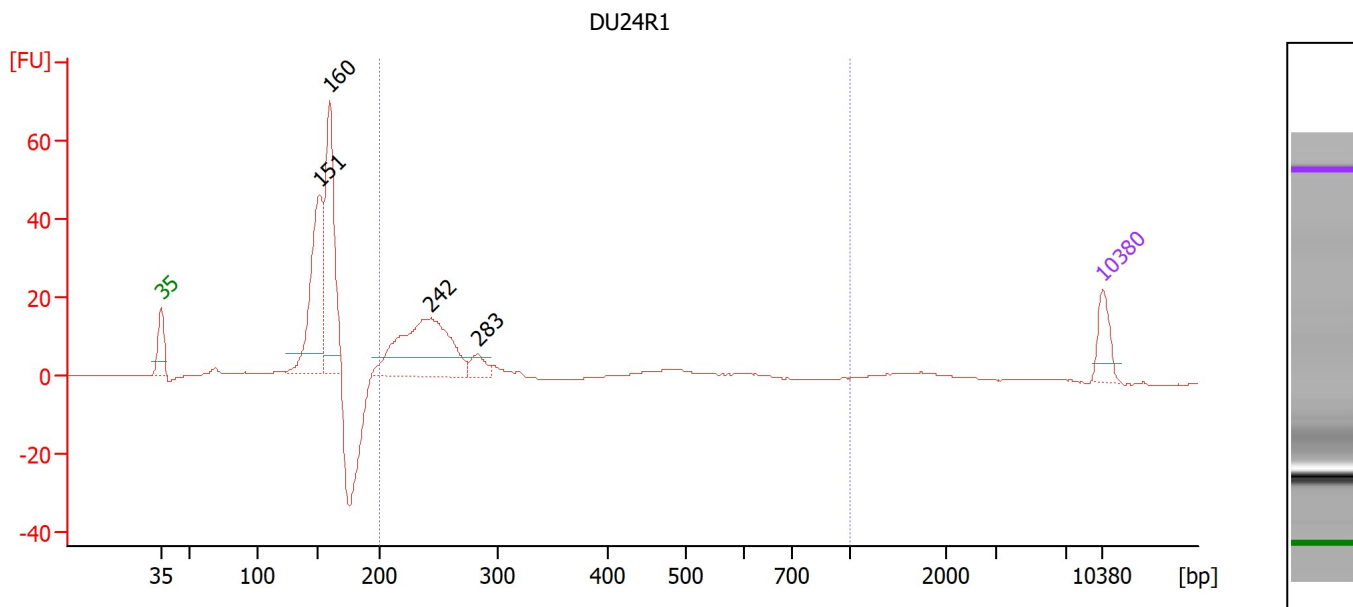
Region table for sample 4 : DUT8R4

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	120.0	29	348	44.2	707.55	3,694.8	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-10-14_002.xad

Created: 10/14/2025 11:35:45 AM
 Modified: 10/14/2025 12:29:38 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : DU24R1

Number of peaks found: 4 Corr. Area 1: 144.5
 Noise: 0.1

Peak table for sample 5 : DU24R1

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	151	512.90	5,138.7	
3	160	597.21	5,659.6	
4	242	590.71	3,699.7	
5	283	63.37	339.2	
6	10,380	75.00	10.9	Upper Marker

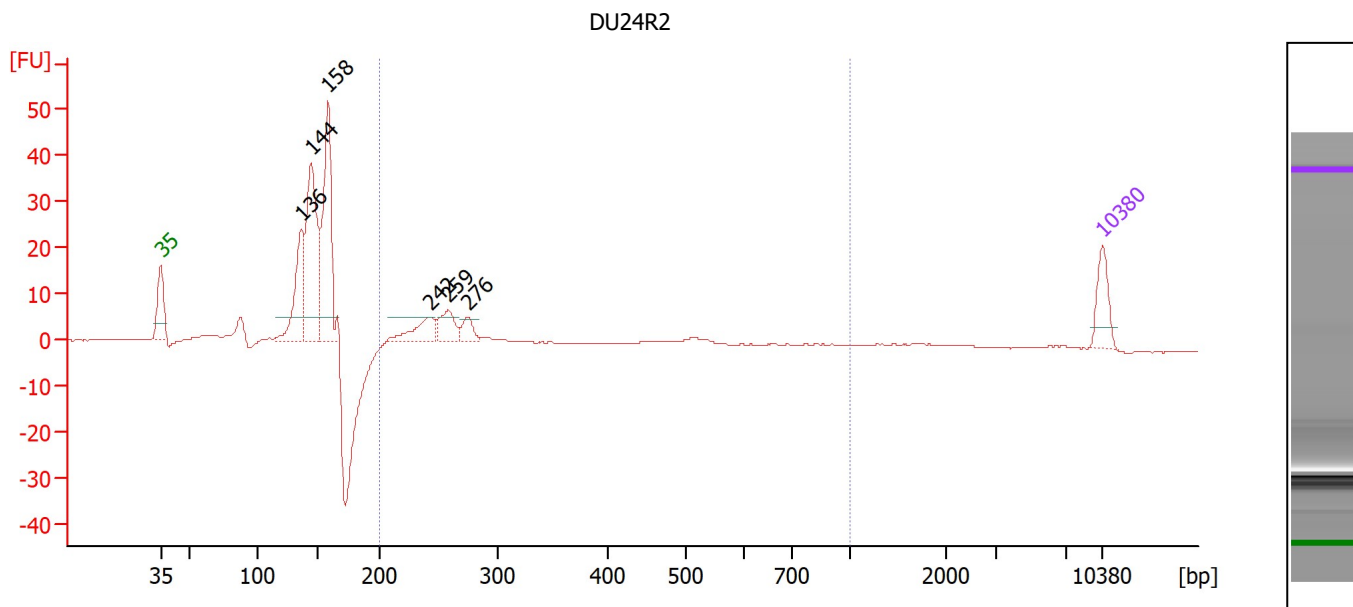
Region table for sample 5 : DU24R1

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	144.5	41	326	46.5	899.44	5,002.2	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-10-14_002.xad

Created: 10/14/2025 11:35:45 AM
 Modified: 10/14/2025 12:29:38 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : DU24R2

Number of peaks found: 6 Corr. Area 1: 52.1
 Noise: 0.1

Peak table for sample 6 : DU24R2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	136	214.45	2,388.6	
3	144	457.63	4,813.5	
4	158	453.10	4,354.1	
5	242	91.11	570.4	
6	259	83.65	489.8	
7	276	45.51	250.3	
8	10,380	75.00	10.9	Upper Marker

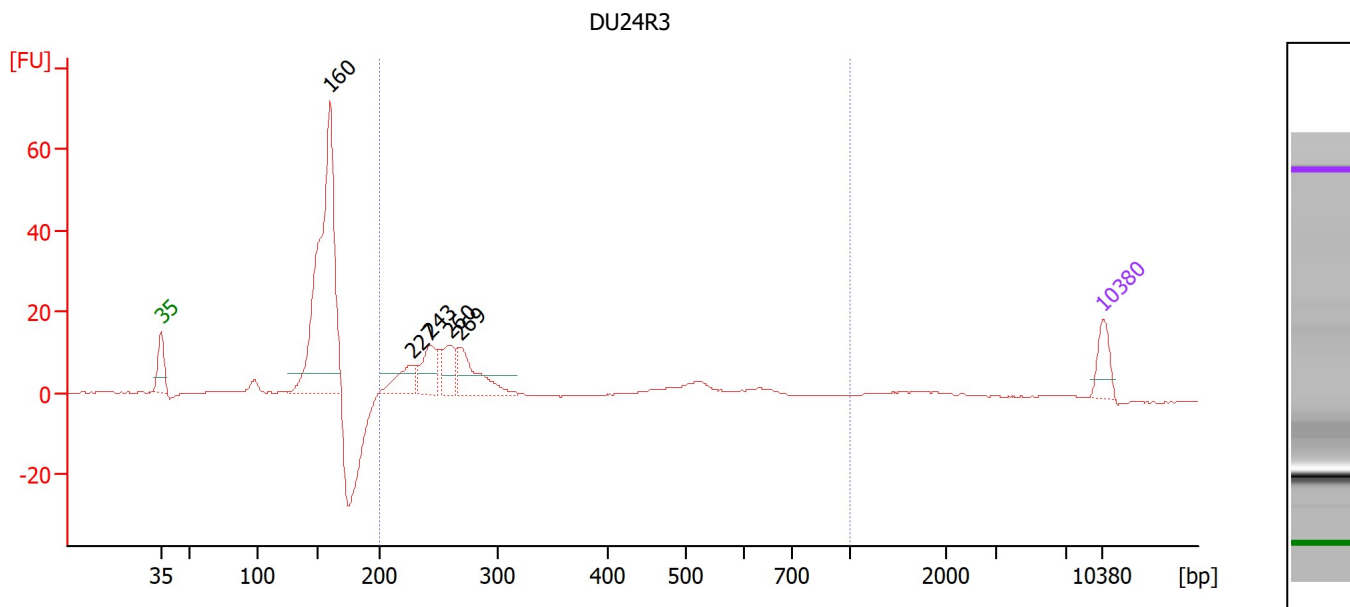
Region table for sample 6 : DU24R2

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	52.1	25	338	45.7	364.33	1,938.0	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-10-14_002.xad

Created: 10/14/2025 11:35:45 AM
Modified: 10/14/2025 12:29:38 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : DU24R3

Number of peaks found: 5 Corr. Area 1: 121.2
Noise: 0.1

Peak table for sample 7 : DU24R3

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	160	1,261.20	11,960.3	
3	227	137.06	913.7	
4	243	162.01	1,008.8	
5	260	134.80	784.8	
6	269	217.93	1,228.9	
7	10,380	75.00	10.9	Upper Marker

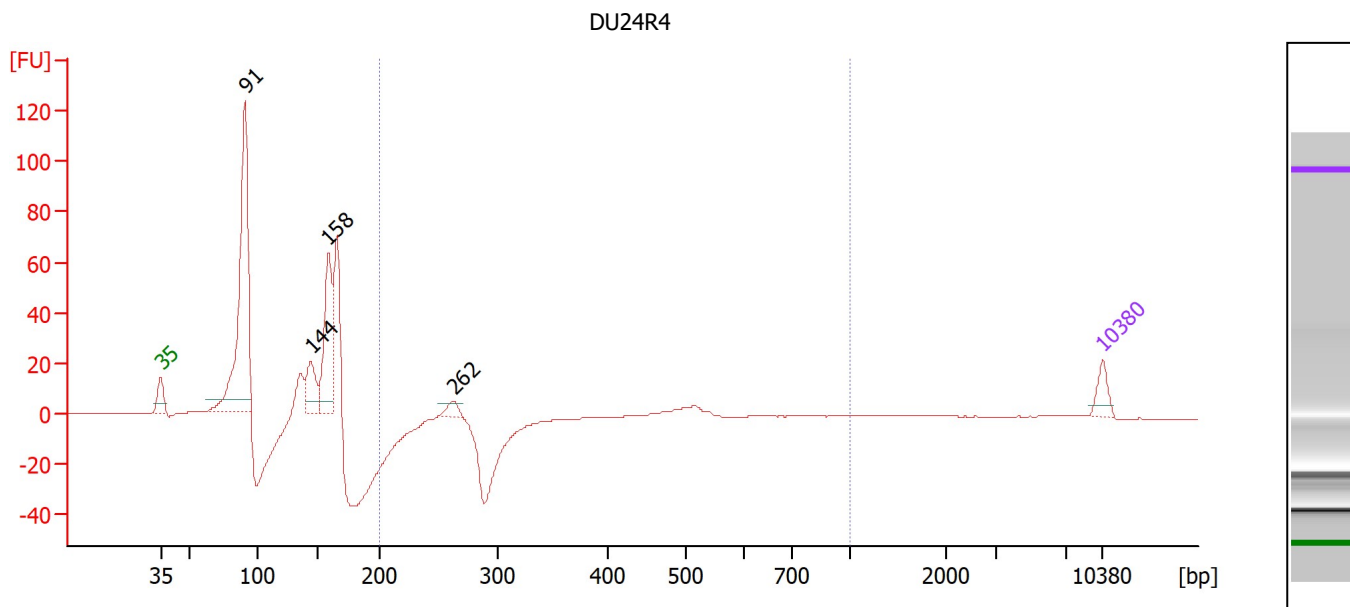
Region table for sample 7 : DU24R3

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	121.2	41	348	45.4	924.94	4,876.4	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-10-14_002.xad

Created: 10/14/2025 11:35:45 AM
Modified: 10/14/2025 12:29:38 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : DU24R4

Number of peaks found: 4 Corr. Area 1: 19.6
Noise: 0.1

Peak table for sample 8 : DU24R4

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	91	1,496.40	24,917.1	
3	144	234.59	2,471.5	
4	158	580.07	5,573.8	
5	262	60.16	347.4	
6	10,380	75.00	10.9	Upper Marker

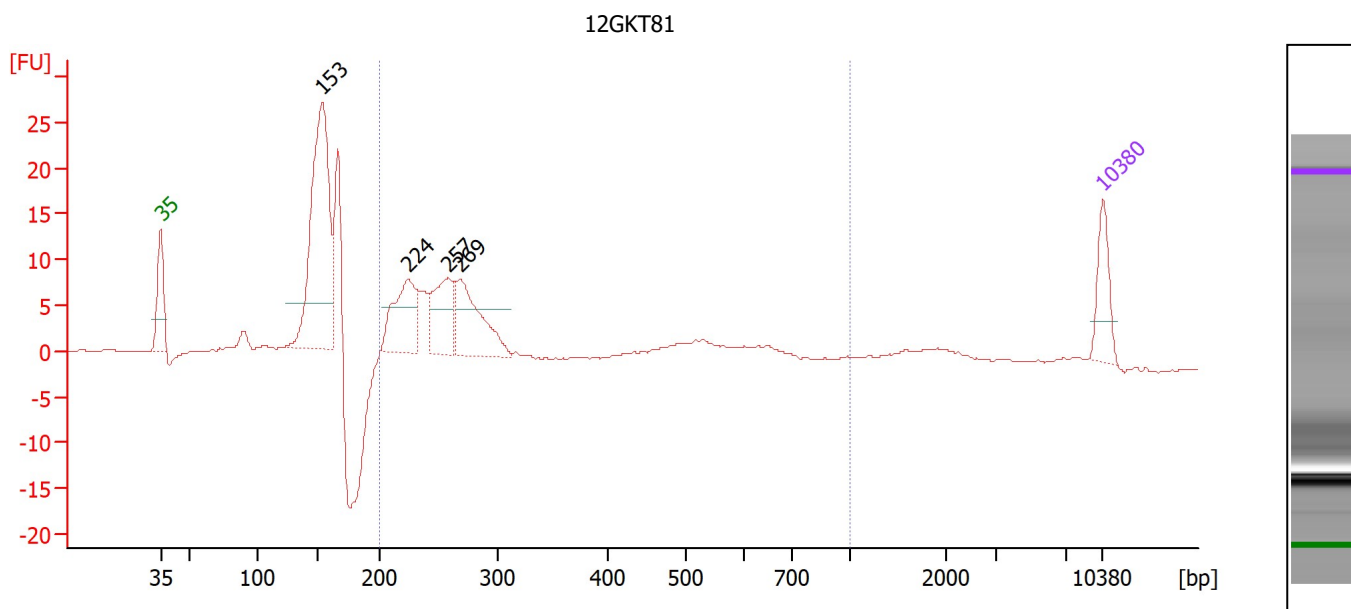
Region table for sample 8 : DU24R4

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	19.6	6	453	32.8	137.36	551.0	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-10-14_002.xad

Created: 10/14/2025 11:35:45 AM
 Modified: 10/14/2025 12:29:38 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : 12GKT81

Number of peaks found: 4 Corr. Area 1: 96.1
 Noise: 0.1

Peak table for sample 9 : 12GKT81

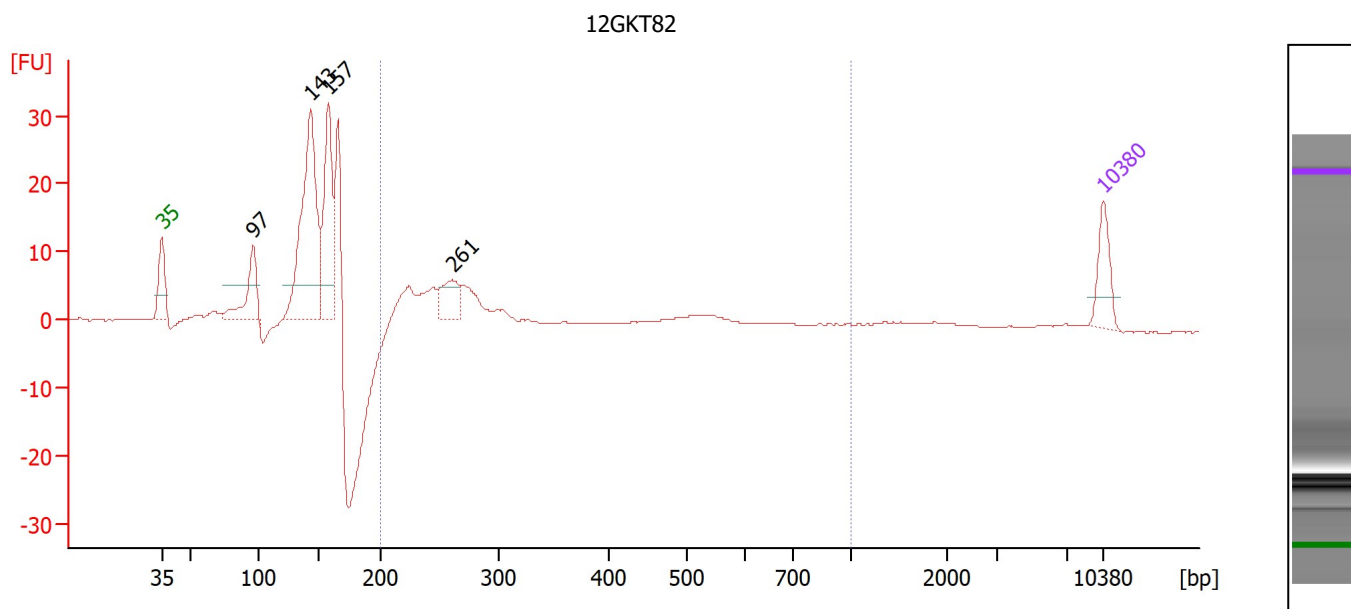
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	153	646.21	6,384.9	
3	224	198.84	1,344.8	
4	257	160.89	947.0	
5	269	203.51	1,148.3	
6	10,380	75.00	10.9	Upper Marker

Region table for sample 9 : 12GKT81

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	96.1	47	337	46.3	841.32	4,562.3	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-10-14_002.xad

Created: 10/14/2025 11:35:45 AM
 Modified: 10/14/2025 12:29:38 PM

Electropherogram Summary Continued ...**Overall Results for sample 10 : 12GKT82**

Number of peaks found: 4 Corr. Area 1: 59.0
 Noise: 0.1

Peak table for sample 10 : 12GKT82

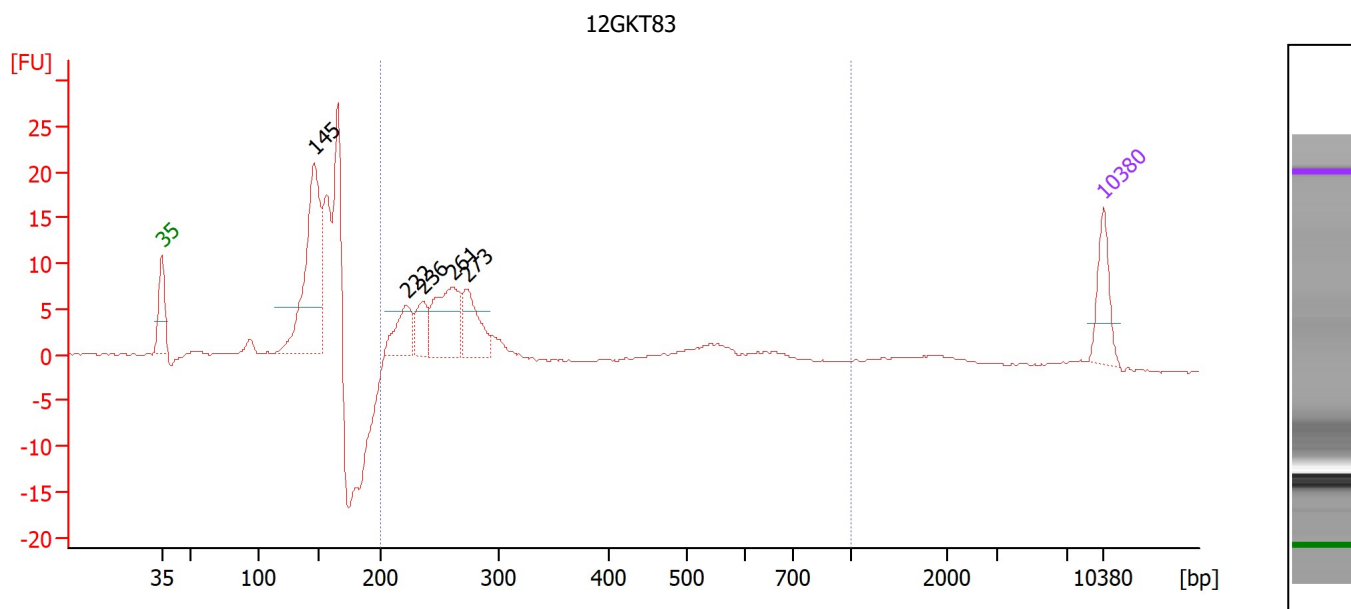
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	97	158.09	2,481.0	
3	143	582.16	6,170.2	
4	157	323.84	3,126.9	
5	261	97.56	565.6	
6	10,380	75.00	10.9	Upper Marker

Region table for sample 10 : 12GKT82

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	59.0	30	332	44.6	486.69	2,617.3	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-10-14_002.xad

Created: 10/14/2025 11:35:45 AM
 Modified: 10/14/2025 12:29:38 PM

Electropherogram Summary Continued ...**Overall Results for sample 11 : 12GKT83**

Number of peaks found: 5 Corr. Area 1: 78.3
 Noise: 0.1

Peak table for sample 11 : 12GKT83

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	145	431.32	4,494.0	
3	222	101.90	695.8	
4	236	72.37	463.6	
5	261	186.90	1,083.5	
6	273	116.47	645.5	
7	10,380	75.00	10.9	Upper Marker

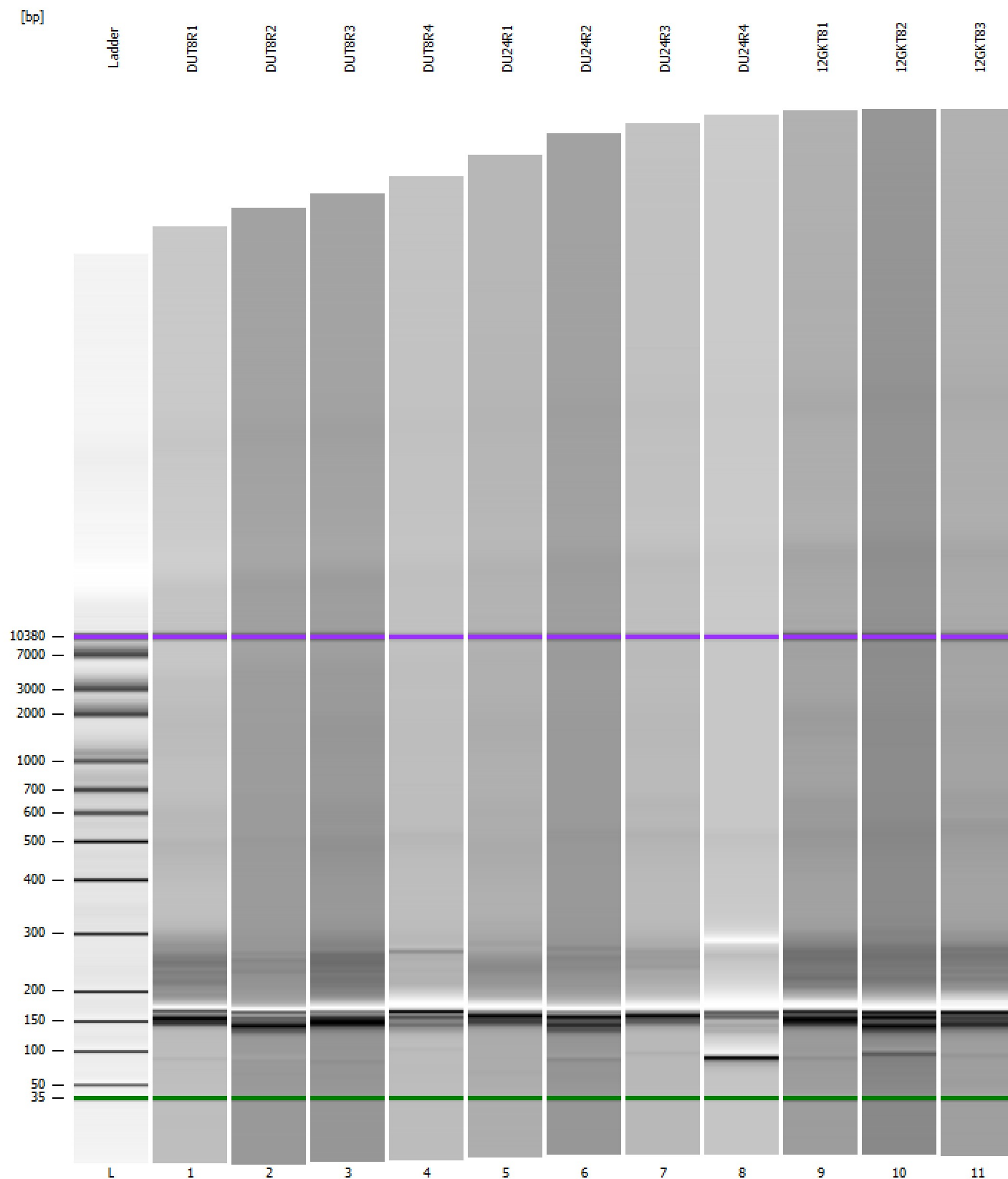
Region table for sample 11 : 12GKT83

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	78.3	44	341	46.2	696.89	3,733.5	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-10-14_002.xad

Created: 10/14/2025 11:35:45 AM
 Modified: 10/14/2025 12:29:38 PM

Gel Image



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-10-14_002.xad

Created: 10/14/2025 11:35:45 AM
 Modified: 10/14/2025 12:29:38 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		10/14/2025 12:16:07 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\2025-10-14\Bioanalyzer1_High Sensitivity DNA Assay_DE34903152_2025-10-14_002.xad)		Instrument	Run		10/14/2025 11:35:45 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		10/14/2025 11:35:45 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		10/14/2025 11:35:45 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		10/14/2025 11:35:45 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		10/14/2025 11:35:45 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		10/14/2025 11:35:45 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		10/14/2025 11:35:45 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB