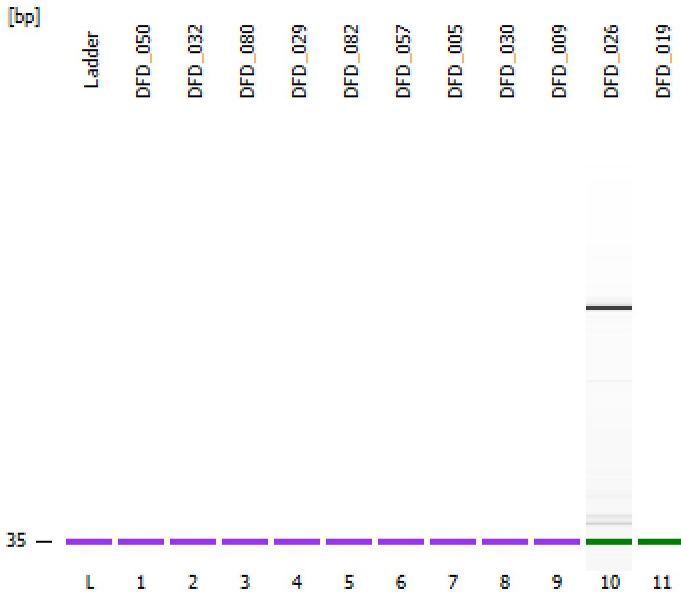


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-01-25_003.xad

Created: 1/25/2024 1:04:18 PM
Modified: 1/25/2024 1:45:13 PM

Electrophoresis File Run Summary



Instrument Information:

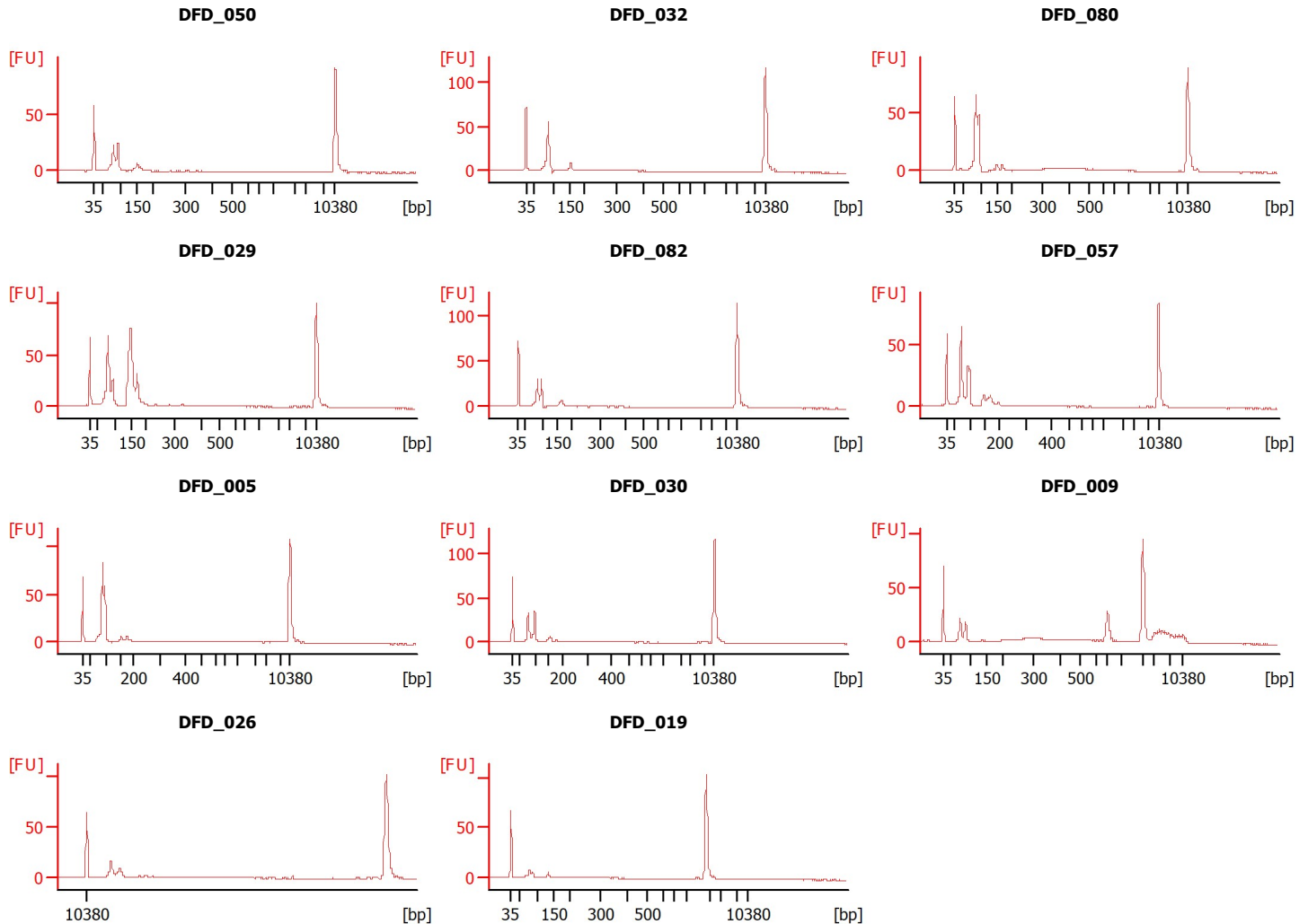
Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

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:\...r1_High Sensitivity DNA Assay_DE34903152_2024-01-25_003.xad

Created: 1/25/2024 1:04:18 PM
 Modified: 1/25/2024 1:45:13 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
DFD_050		<input type="checkbox"/>	✓			
DFD_032		<input type="checkbox"/>	✓			
DFD_080		<input type="checkbox"/>	✓			
DFD_029		<input type="checkbox"/>	✓			
DFD_082		<input type="checkbox"/>	✓			
DFD_057		<input type="checkbox"/>	✓			
DFD_005		<input type="checkbox"/>	✓			
DFD_030		<input type="checkbox"/>	✓			
DFD_009		<input type="checkbox"/>	✓			
DFD_026		<input type="checkbox"/>	✓			
DFD_019		<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-01-25_003.xad

Created: 1/25/2024 1:04:18 PM
 Modified: 1/25/2024 1:45:13 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

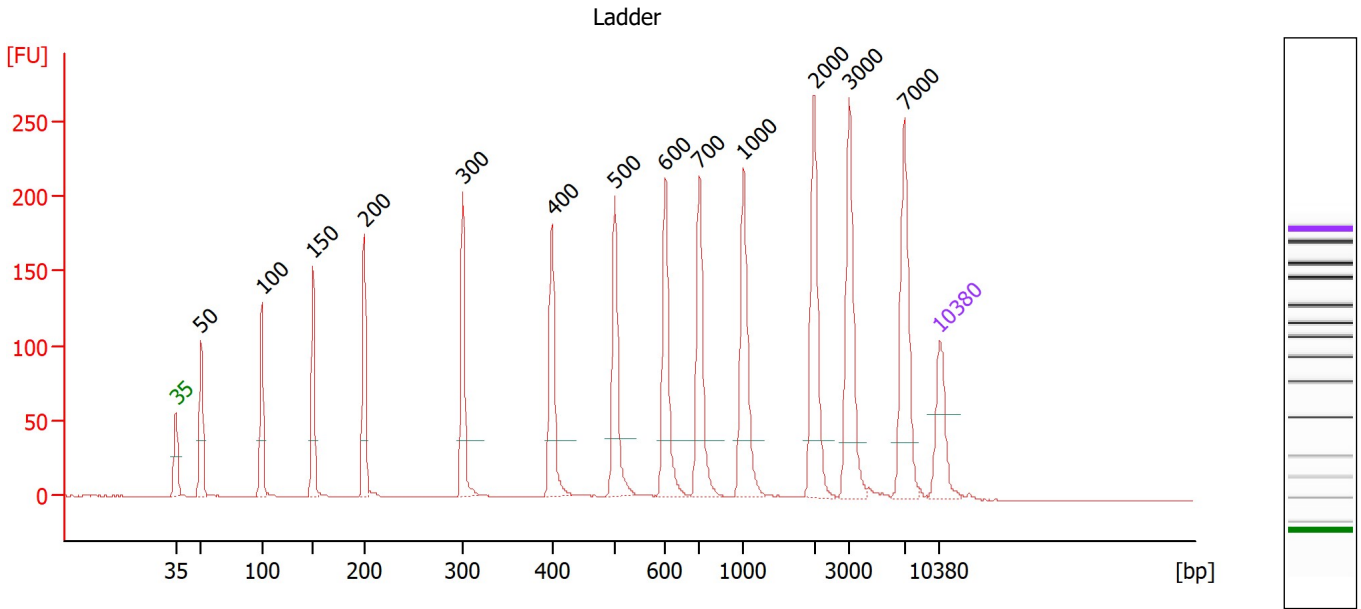
Ladder

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_2024-01-25_003.xad

Created: 1/25/2024 1:04:18 PM
 Modified: 1/25/2024 1:45:13 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

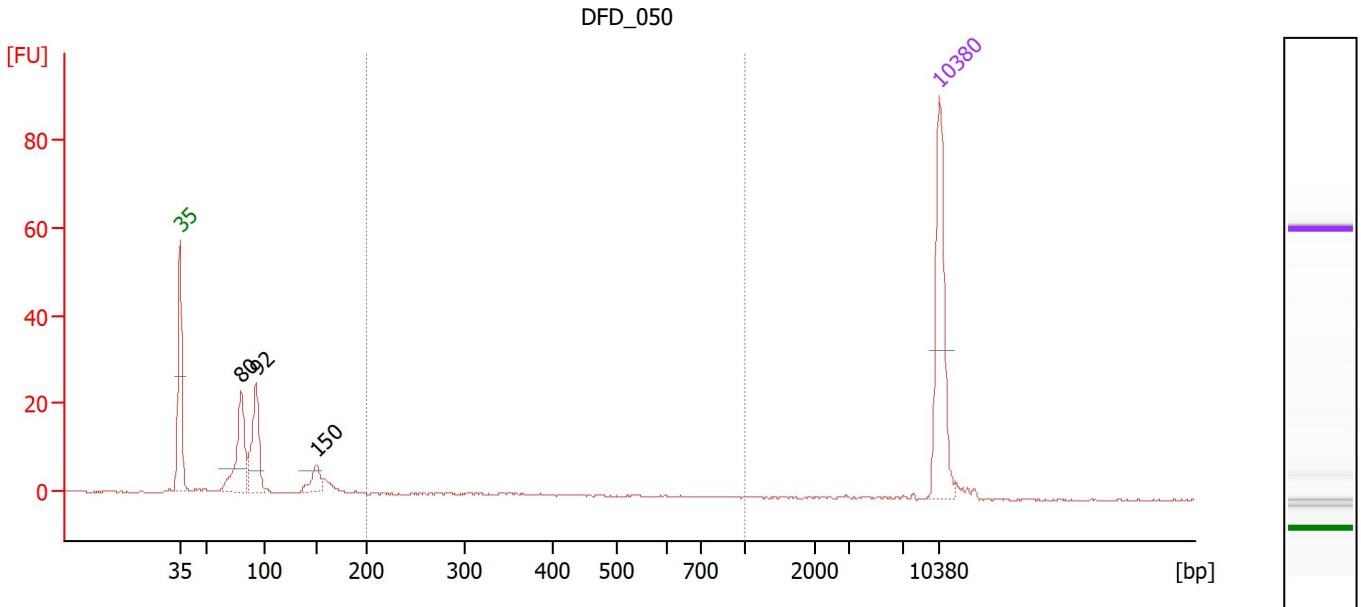
Peak table for Ladder

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:\...r1_High Sensitivity DNA Assay_DE34903152_2024-01-25_003.xad

Created: 1/25/2024 1:04:18 PM
 Modified: 1/25/2024 1:45:13 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : DFD_050

Number of peaks found: 3 Corr. Area 1: 2.7
 Noise: 0.2

Peak table for sample 1 : DFD_050

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	80	84.32	1,606.6	
3	92	77.48	1,270.0	
4	150	21.55	218.0	
5	10,380	75.00	10.9	Upper Marker

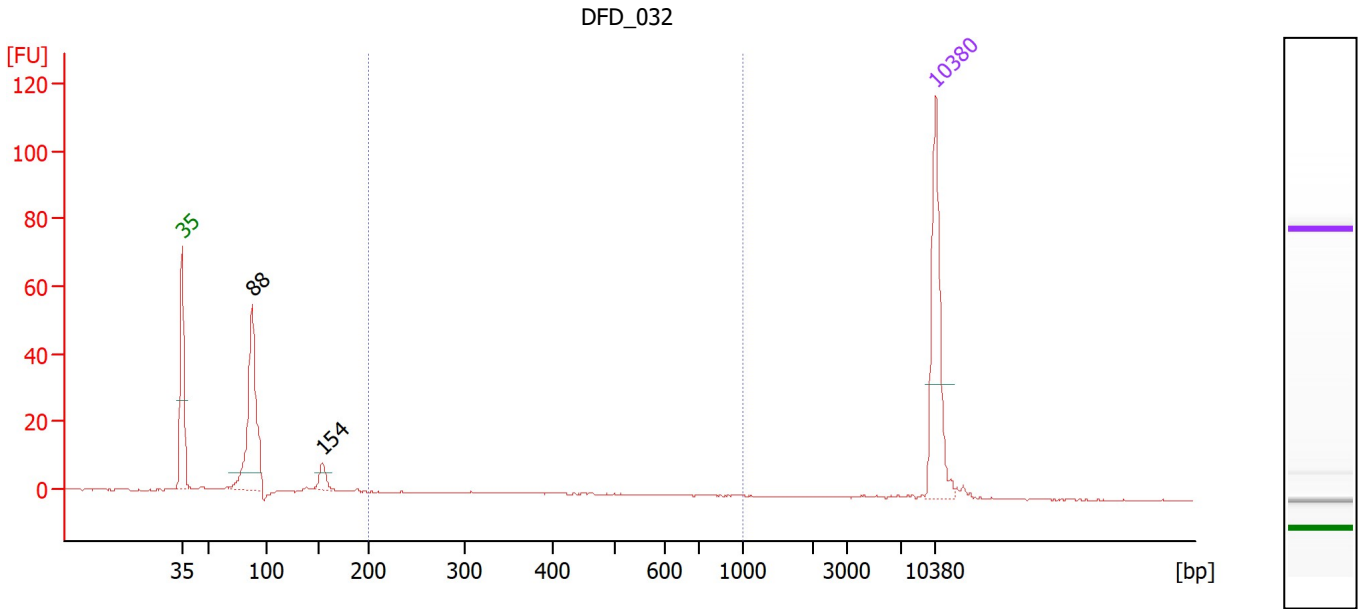
Region table for sample 1 : DFD_050

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	2.7	2	355	25.4	4.06	18.5	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-01-25_003.xad

Created: 1/25/2024 1:04:18 PM
 Modified: 1/25/2024 1:45:13 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : DFD_032

Number of peaks found: 2 Corr. Area 1: 7.6
 Noise: 0.1

Peak table for sample 2 : DFD_032

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	88	159.12	2,755.1	
3	154	14.55	142.7	
4	10,380	75.00	10.9	Upper Marker

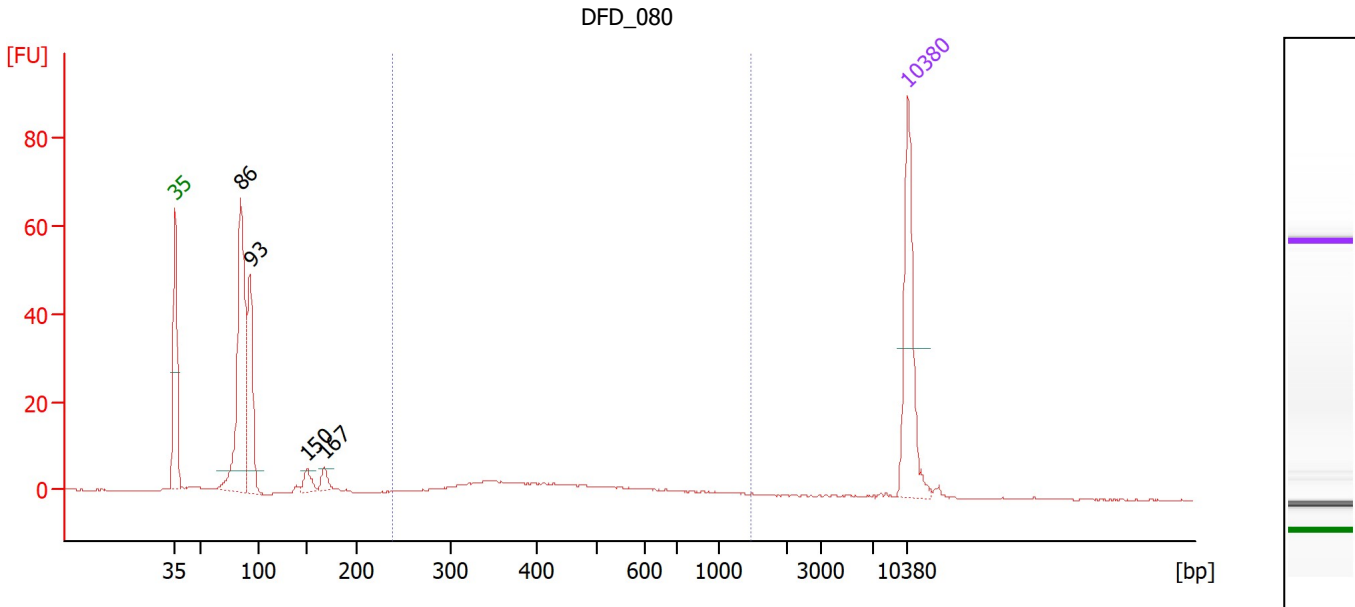
Region table for sample 2 : DFD_032

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	7.6	6	440	38.1	8.67	35.0	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-01-25_003.xad

Created: 1/25/2024 1:04:18 PM
 Modified: 1/25/2024 1:45:13 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : DFD_080

Number of peaks found: 4 Corr. Area 1: 65.6
 Noise: 0.2

Peak table for sample 3 : DFD_080

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	86	227.62	4,032.6	
3	93	114.51	1,858.1	
4	150	14.18	143.4	
5	167	10.95	99.2	
6	10,380	75.00	10.9	Upper Marker

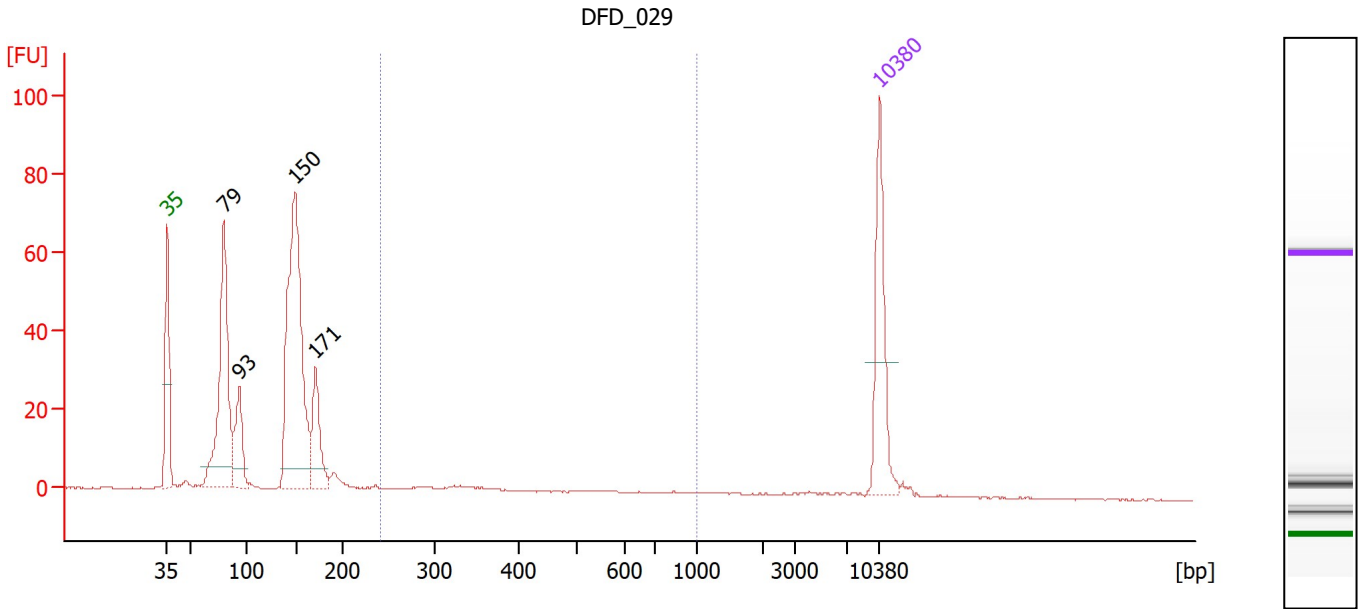
Region table for sample 3 : DFD_080

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
240	1,456	65.6	24	481	41.9	88.08	326.3	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-01-25_003.xad

Created: 1/25/2024 1:04:18 PM
 Modified: 1/25/2024 1:45:13 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : DFD_029

Number of peaks found: 4 Corr. Area 1: 33.3
 Noise: 0.2

Peak table for sample 4 : DFD_029

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	79	244.31	4,683.6	
3	93	72.46	1,183.1	
4	150	363.75	3,683.8	
5	171	71.81	636.1	
6	10,380	75.00	10.9	Upper Marker

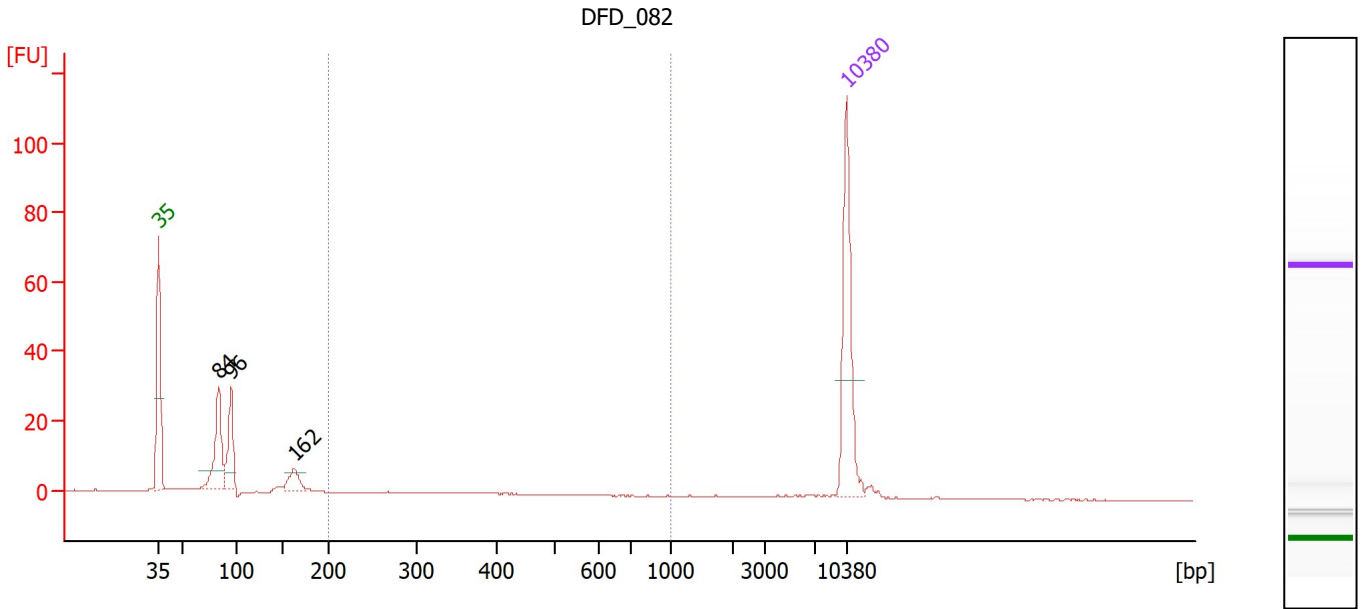
Region table for sample 4 : DFD_029

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
242	1,000	33.3	6	438	39.6	42.50	175.4	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-01-25_003.xad

Created: 1/25/2024 1:04:18 PM
 Modified: 1/25/2024 1:45:13 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : DFD_082

Number of peaks found: 3 Corr. Area 1: 2.1
 Noise: 0.2

Peak table for sample 5 : DFD_082

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	84	74.88	1,354.4	
3	96	56.07	888.9	
4	162	20.52	191.9	
5	10,380	75.00	10.9	Upper Marker

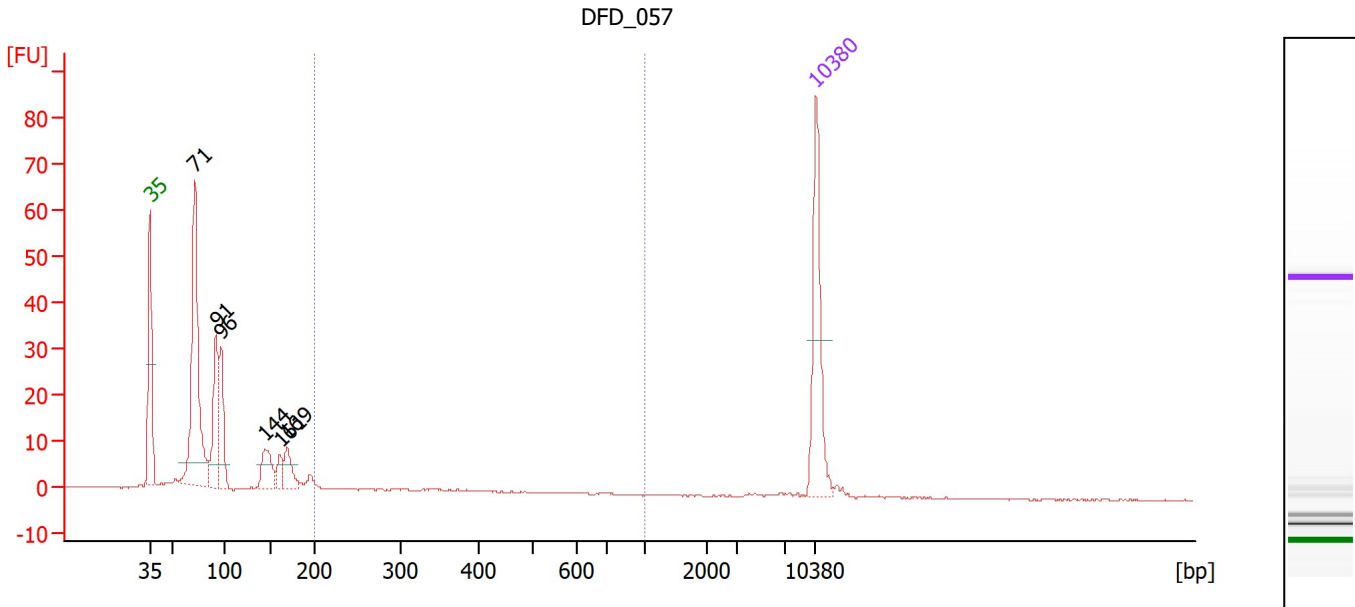
Region table for sample 5 : DFD_082

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	2.1	2	357	13.4	2.59	11.3	■

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-01-25_003.xad

Created: 1/25/2024 1:04:18 PM
 Modified: 1/25/2024 1:45:13 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : DFD_057

Number of peaks found: 6 Corr. Area 1: 7.6
 Noise: 0.1

Peak table for sample 6 : DFD_057

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	71	238.36	5,057.5	
3	91	91.22	1,515.3	
4	96	67.58	1,063.4	
5	144	37.55	394.6	
6	161	16.06	151.2	
7	169	28.41	254.1	
8	10,380	75.00	10.9	Upper Marker

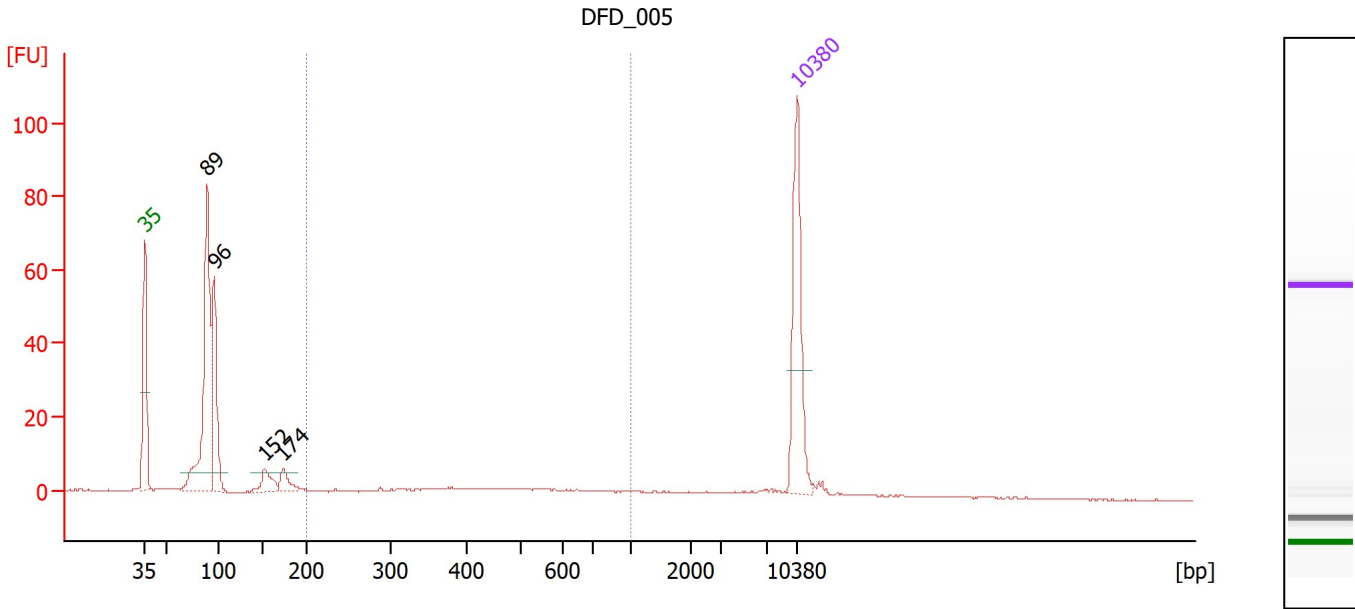
Region table for sample 6 : DFD_057

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	7.6	3	312	26.8	12.68	67.2	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-01-25_003.xad

Created: 1/25/2024 1:04:18 PM
 Modified: 1/25/2024 1:45:13 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : DFD_005

Number of peaks found: 4 Corr. Area 1: 42.5
 Noise: 0.1

Peak table for sample 7 : DFD_005

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	89	213.25	3,615.0	
3	96	107.36	1,692.5	
4	152	21.40	213.0	
5	174	15.91	138.7	
6	10,380	75.00	10.9	Upper Marker

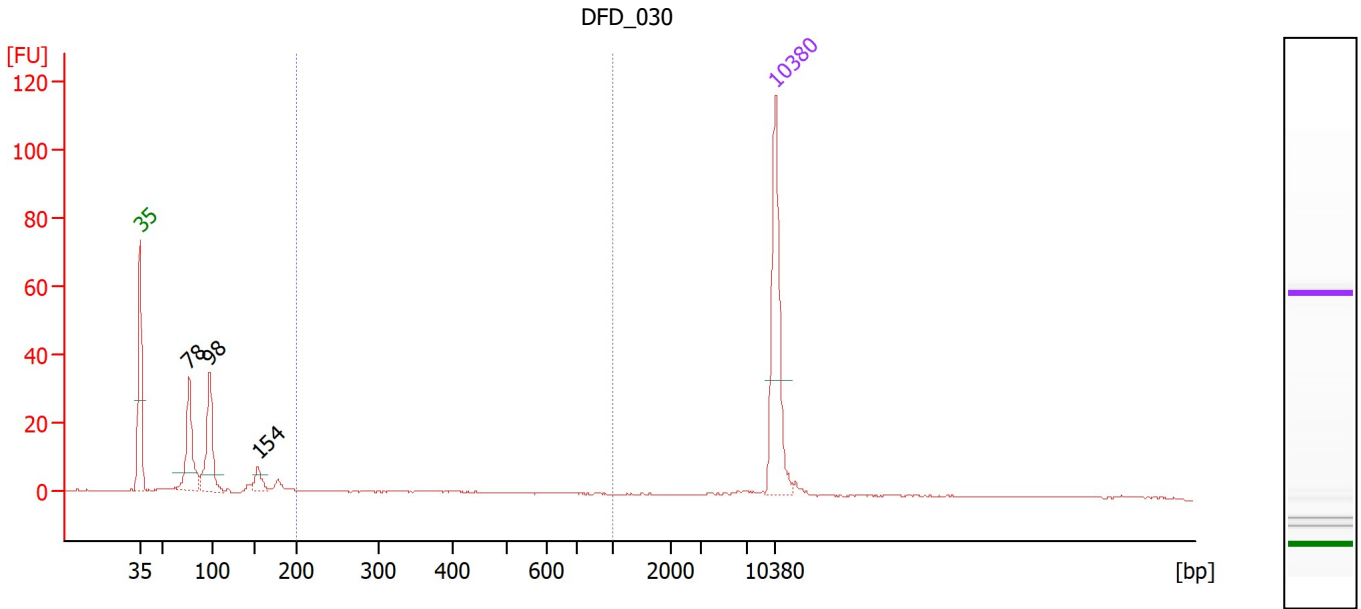
Region table for sample 7 : DFD_005

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	42.5	14	483	36.6	47.43	178.5	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-01-25_003.xad

Created: 1/25/2024 1:04:18 PM
 Modified: 1/25/2024 1:45:13 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : DFD_030

Number of peaks found: 3 Corr. Area 1: 19.3
 Noise: 0.1

Peak table for sample 8 : DFD_030

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	78	78.25	1,526.6	
3	98	77.90	1,206.0	
4	154	14.92	146.9	
5	10,380	75.00	10.9	Upper Marker

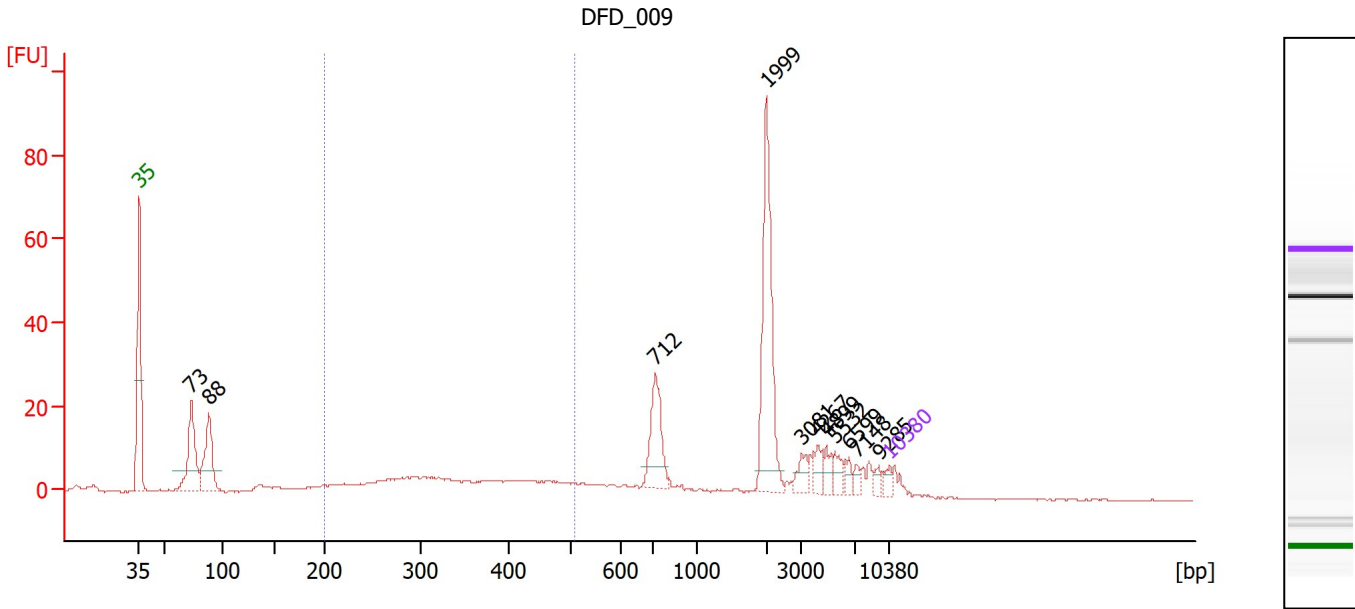
Region table for sample 8 : DFD_030

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	19.3	11	432	40.0	20.88	89.3	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-01-25_003.xad

Created: 1/25/2024 1:04:18 PM
 Modified: 1/25/2024 1:45:13 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : DFD_009

Number of peaks found: 11 Corr. Area 1: 85.7
 Noise: 0.2

Peak table for sample 9 : DFD_009

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	73	1,093.94	22,738.2	
3	88	936.05	16,161.4	
4	712	656.14	1,397.1	
5	1,999	1,307.68	991.1	
6	3,081	143.00	70.3	
7	4,267	141.63	50.3	
8	4,899	109.01	33.7	
9	5,532	112.04	30.7	
10	6,599	71.79	16.5	
11	7,148	65.14	13.8	
12	9,285	64.68	10.6	
13	10,380	75.00	10.9	Upper Marker

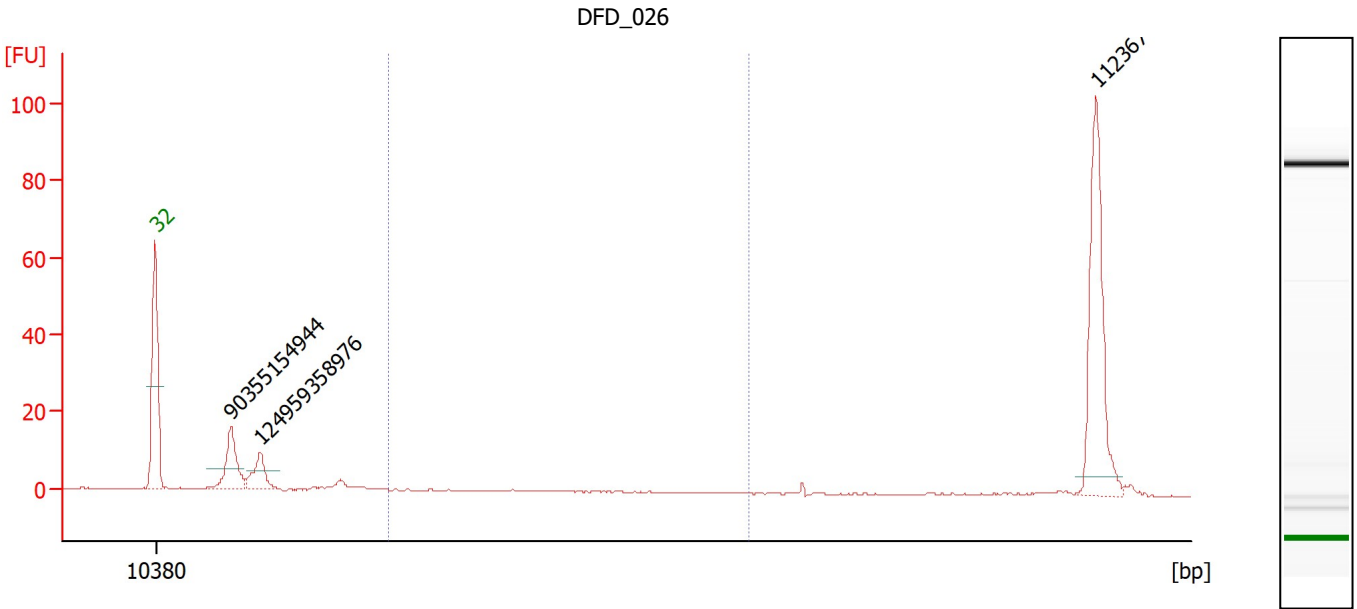
Region table for sample 9 : DFD_009

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	506	85.7	22	347	22.9	1,817.33	8,566.4	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-01-25_003.xad

Created: 1/25/2024 1:04:18 PM
 Modified: 1/25/2024 1:45:13 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : DFD_026

Number of peaks found: 3 Corr. Area 1: 8.7
 Noise: 0.1

Peak table for sample 10 : DFD_026

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	32	125.00	6,012.5	Upper Marker, Lower Marker
2	90,355,154,944	0.00	0.0	
3	124,959,358,976	0.00	0.0	
4	1,123,673,571,328	0.00	0.0	

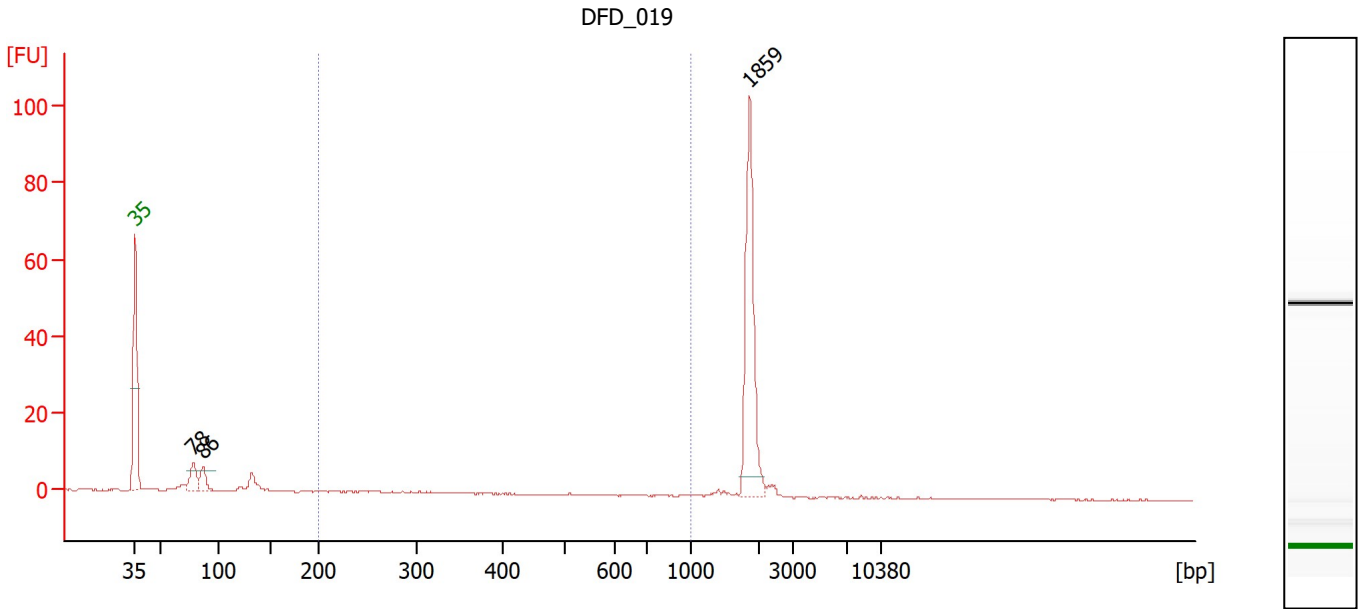
Region table for sample 10 : DFD_026

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
277,487,321,088	708,011,032,576	8.7	5	454,853,099,520	25.2	0.00	0.0	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-01-25_003.xad

Created: 1/25/2024 1:04:18 PM
 Modified: 1/25/2024 1:45:13 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : DFD_019

Number of peaks found: 3 Corr. Area 1: 12.6
 Noise: 0.2

Peak table for sample 11 : DFD_019

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Upper Marker, Lower Marker
2	78	0.00	0.0	
3	86	0.00	0.0	
4	1,859	0.00	0.0	

Region table for sample 11 : DFD_019

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	12.6	8	385	50.4	21.24	104.8	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-01-25_003.xad

Created: 1/25/2024 1:04:18 PM
Modified: 1/25/2024 1:45:13 PM

Gel Image

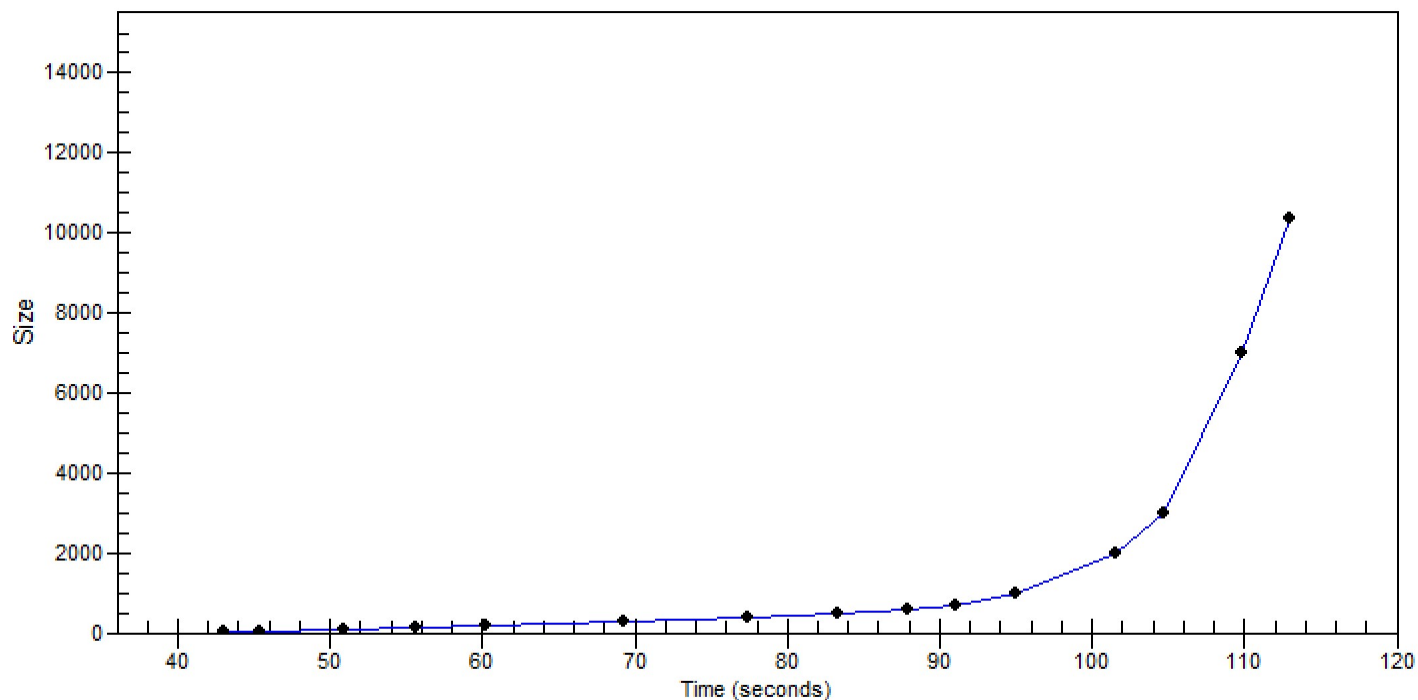


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-01-25_003.xad

Created: 1/25/2024 1:04:18 PM
Modified: 1/25/2024 1:45:13 PM

Curves

Standard Curve



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-01-25_003.xad

Created: 1/25/2024 1:04:18 PM
 Modified: 1/25/2024 1:45:13 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		1/25/2024 1:44:47 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\data\2024-01-25\Bioanalyzer1_High Sensitivity DNA Assay_DE34903152_2024-01-25_003.xad)		Instrument	Run		1/25/2024 1:04:23 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		1/25/2024 1:04:23 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		1/25/2024 1:04:23 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		1/25/2024 1:04:23 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		1/25/2024 1:04:23 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		1/25/2024 1:04:23 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		1/25/2024 1:04:23 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB