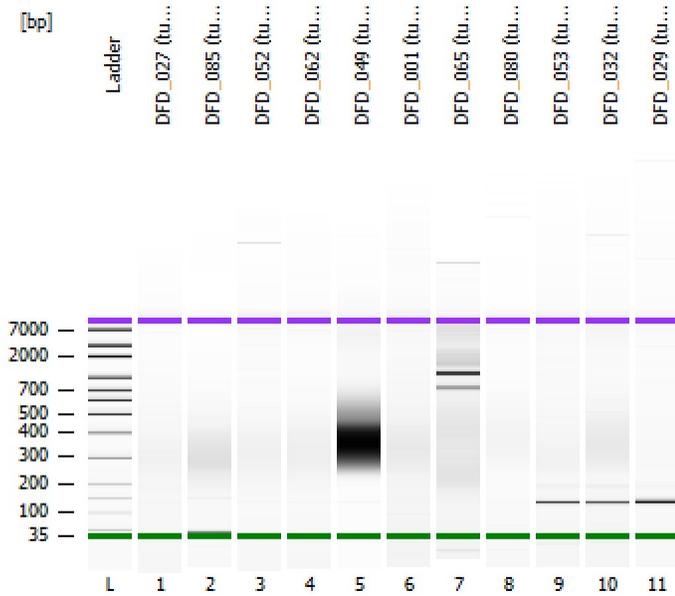


Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-02-15_001.xad

Created: 2/15/2024 11:49:15 AM
 Modified: 2/15/2024 12:32:15 PM

Electrophoresis File Run Summary



Instrument Information:

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

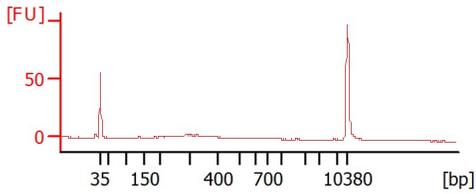
Assay Information:

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

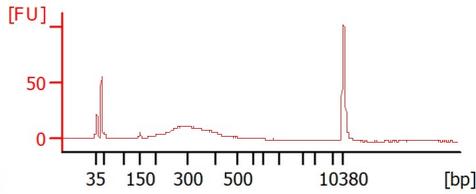
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Chip Lot #:
 Reagent Kit Lot #:
 Chip Comments:

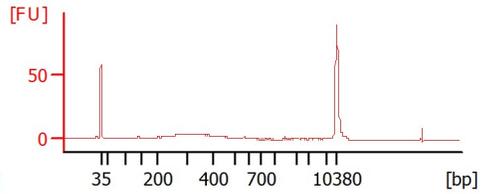
DFD_027 (tube 3)



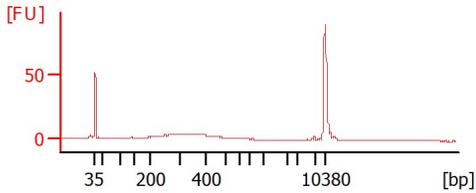
DFD_085 (tube 4)



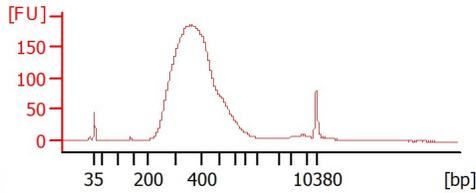
DFD_052 (tube 6)



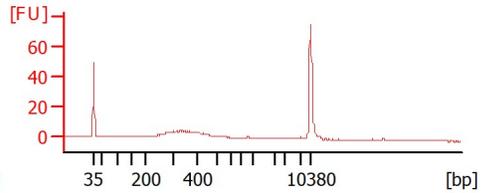
DFD_062 (tube 12)



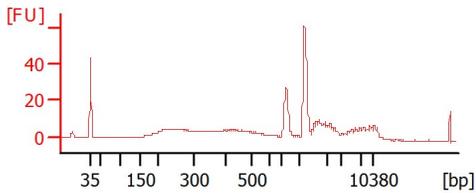
DFD_049 (tube 10)



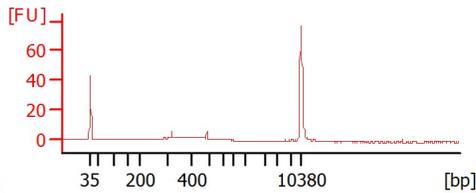
DFD_001 (tube 14)



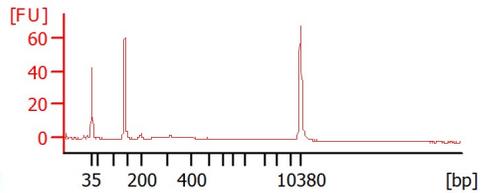
DFD_065 (tube 15)



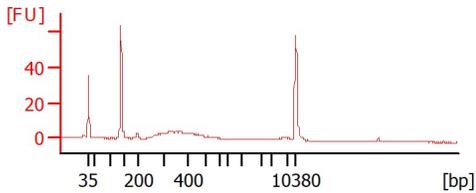
DFD_080 (tube 23)



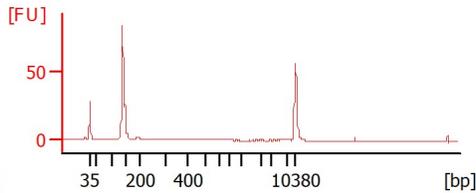
DFD_053 (tube 2)



DFD_032 (tube 22)



DFD_029 (tube 25)



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-02-15_001.xad

Created: 2/15/2024 11:49:15 AM
 Modified: 2/15/2024 12:32:15 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
DFD_027 (tube 3)		<input type="checkbox"/>		✓		
DFD_085 (tube 4)		<input type="checkbox"/>		✓		
DFD_052 (tube 6)		<input type="checkbox"/>		✓		
DFD_062 (tube 12)		<input type="checkbox"/>		✓		
DFD_049 (tube 10)		<input type="checkbox"/>		✓		
DFD_001 (tube 14)		<input type="checkbox"/>		✓		
DFD_065 (tube 15)		<input type="checkbox"/>		✓		
DFD_080 (tube 23)		<input type="checkbox"/>		✓		
DFD_053 (tube 2)		<input type="checkbox"/>		✓		
DFD_032 (tube 22)		<input type="checkbox"/>		✓		
DFD_029 (tube 25)		<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_2024-02-15_001.xad

Created: 2/15/2024 11:49:15 AM
 Modified: 2/15/2024 12:32:15 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

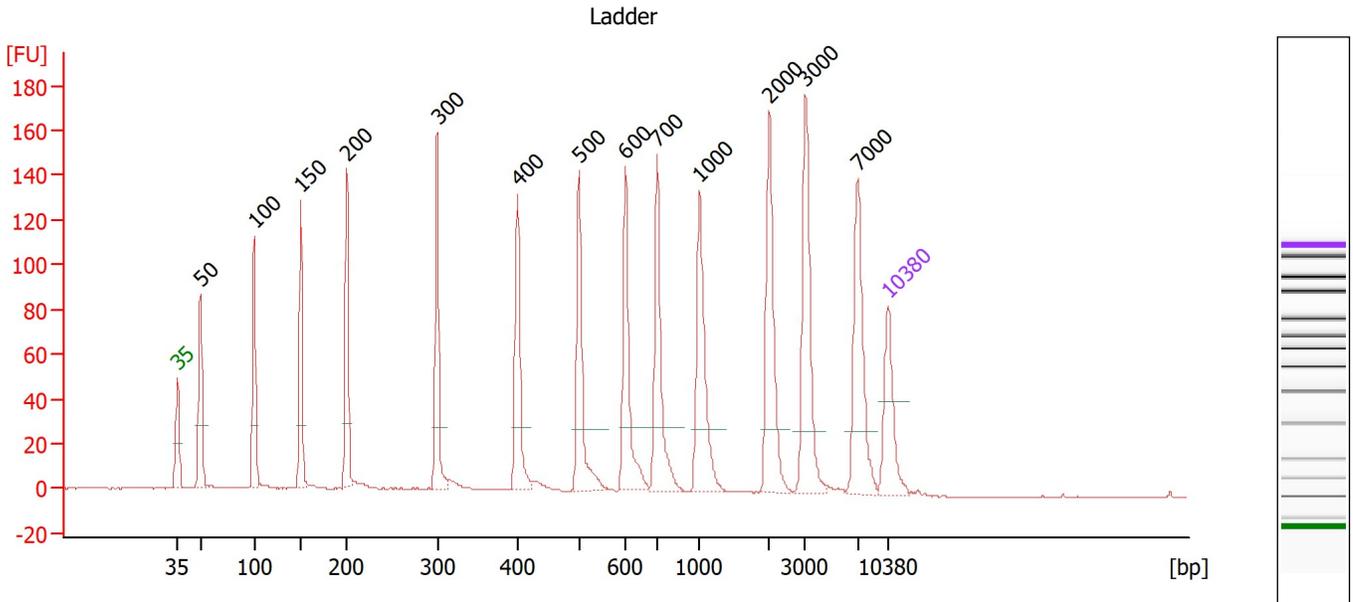
Ladder

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_2024-02-15_001.xad

Created: 2/15/2024 11:49:15 AM
 Modified: 2/15/2024 12:32:15 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.1

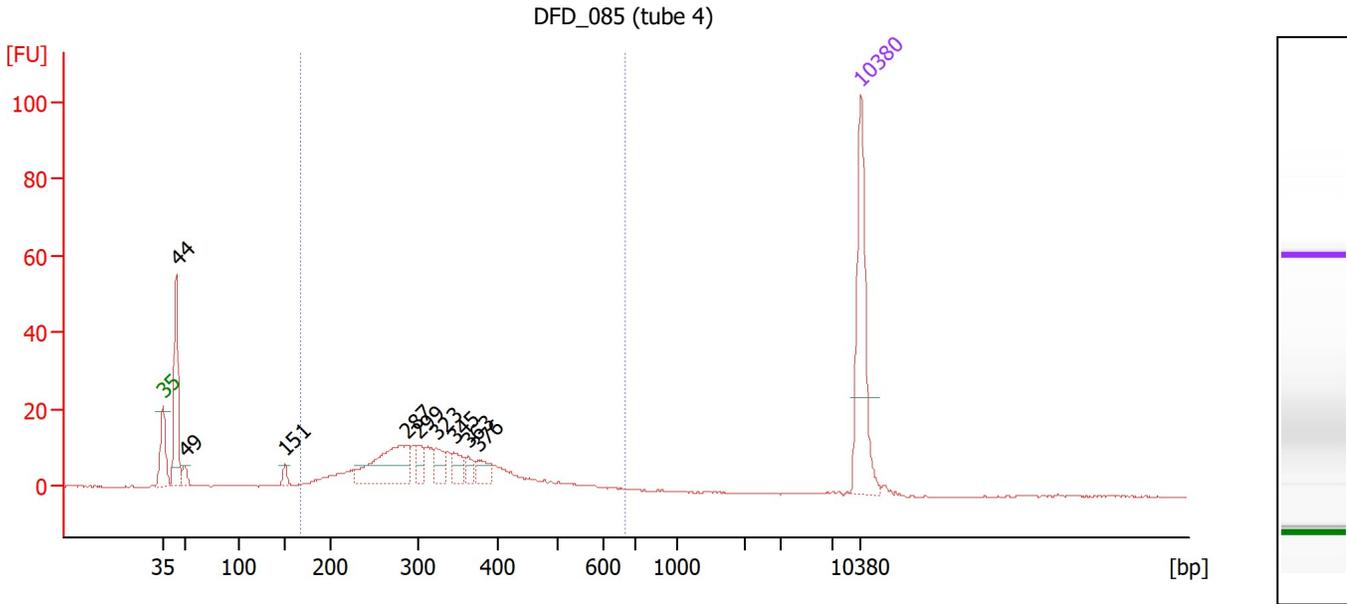
Peak table for Ladder

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_2024-02-15_001.xad

Created: 2/15/2024 11:49:15 AM
 Modified: 2/15/2024 12:32:15 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : DFD_085 (tube 4)

Number of peaks found: 9 Corr. Area 1: 247.8
 Noise: 0.1

Peak table for sample 2 : DFD_085 (tube 4)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	44	95.98	3,329.9	
3	49	10.54	326.7	
4	151	8.00	80.5	
5	287	76.69	404.8	
6	299	13.58	68.8	
7	323	18.24	85.7	
8	345	14.69	64.4	
9	363	7.93	33.1	
10	376	15.05	60.7	
11	10,380	75.00	10.9	Upper Marker

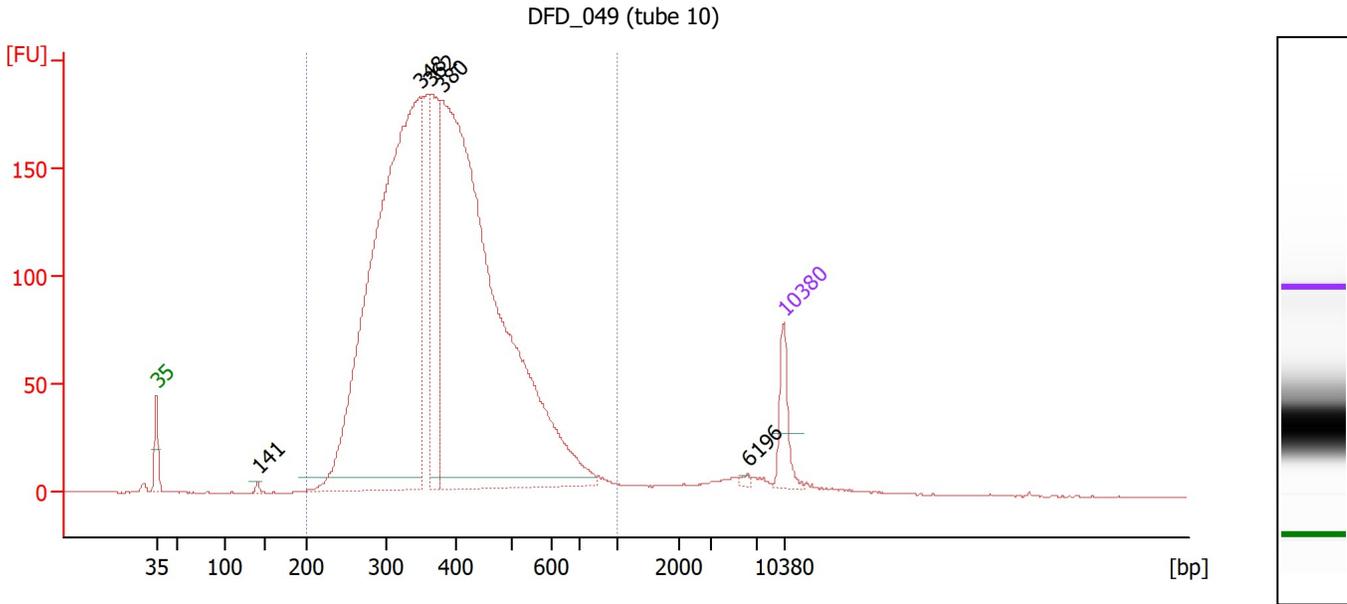
Region table for sample 2 : DFD_085 (tube 4)

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
168	670	247.8	74	330	26.7	312.01	1,570.7	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-02-15_001.xad

Created: 2/15/2024 11:49:15 AM
 Modified: 2/15/2024 12:32:15 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : DFD_049 (tube 10)

Number of peaks found: 5 Corr. Area 1: 3,641.9
 Noise: 0.2

Peak table for sample 5 : DFD_049 (tube 10)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	141	8.93	96.3	
3	348	2,255.47	9,831.2	
4	362	423.57	1,773.6	
5	380	2,499.26	9,968.7	
6	6,196	6.06	1.5	
7	10,380	75.00	10.9	Upper Marker

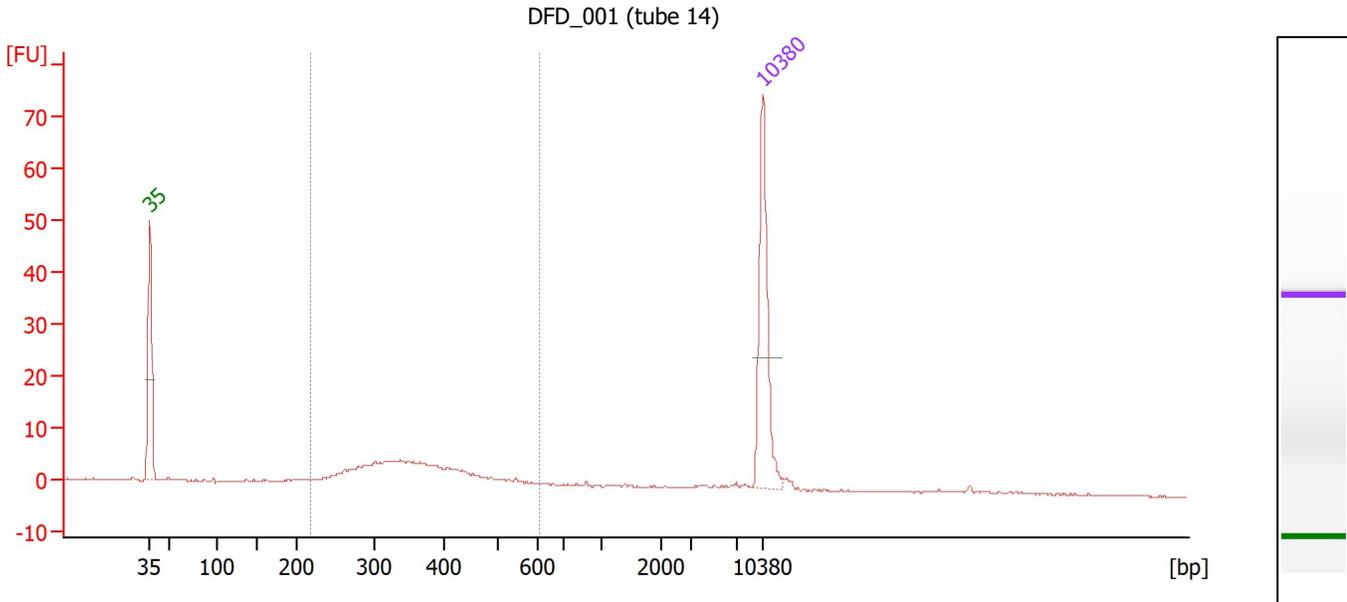
Region table for sample 5 : DFD_049 (tube 10)

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	997	3,641.9	96	391	25.7	5,672.34	23,744.6	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-02-15_001.xad

Created: 2/15/2024 11:49:15 AM
 Modified: 2/15/2024 12:32:15 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : DFD_001 (tube 14)

Number of peaks found: 0 Corr. Area 1: 85.0
 Noise: 0.2

Peak table for sample 6 : DFD_001 (tube 14)

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

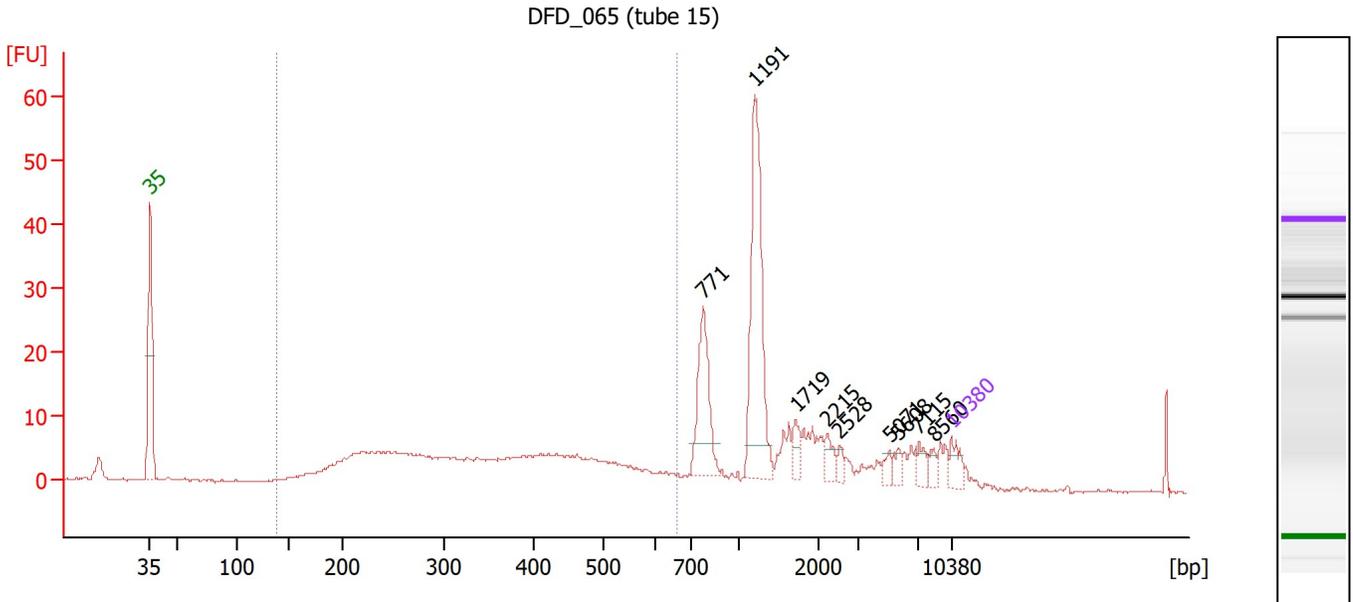
Region table for sample 6 : DFD_001 (tube 14)

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
219	610	85.0	75	364	22.1	134.71	597.6	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-02-15_001.xad

Created: 2/15/2024 11:49:15 AM
 Modified: 2/15/2024 12:32:15 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : DFD_065 (tube 15)

Number of peaks found: 9 Corr. Area 1: 184.6
 Noise: 0.2

Peak table for sample 7 : DFD_065 (tube 15)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	771	453.02	890.0	
3	1,191	850.06	1,081.5	
4	1,719	75.78	66.8	
5	2,215	70.09	47.9	
6	2,528	37.92	22.7	
7	5,071	38.38	11.5	
8	5,608	42.27	11.4	
9	7,115	64.15	13.7	
10	8,560	42.80	7.6	
11	10,380	75.00	10.9	Upper Marker

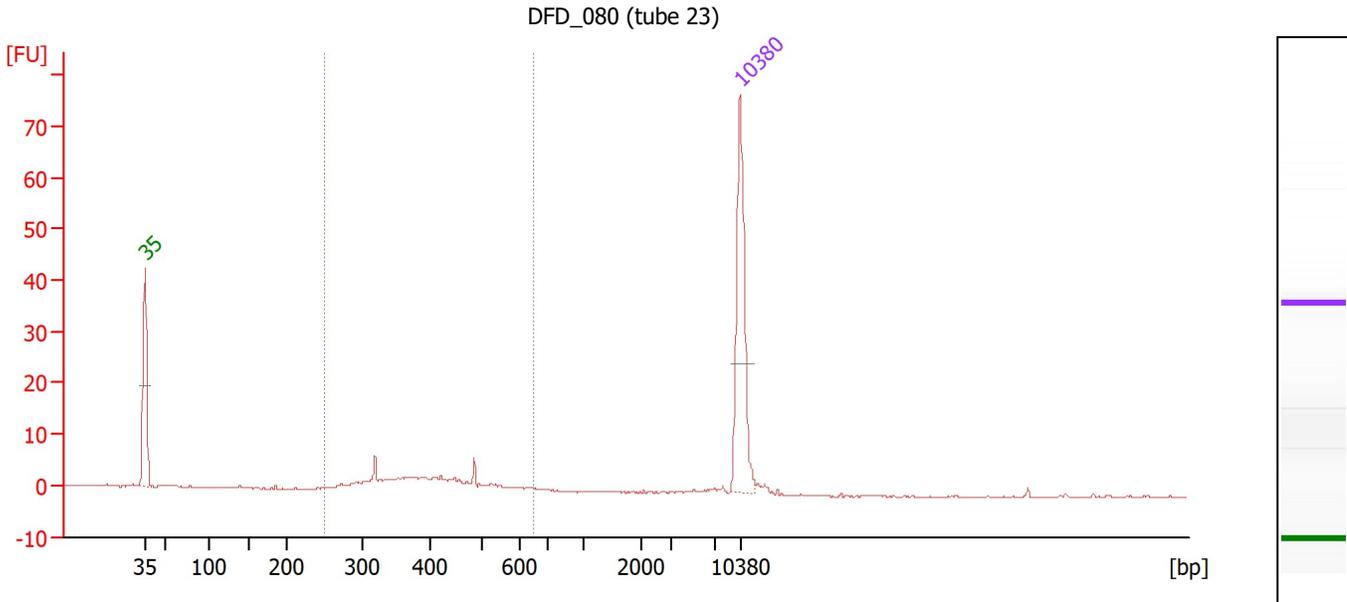
Region table for sample 7 : DFD_065 (tube 15)

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
139	662	184.6	45	358	33.4	2,908.40	14,723.7	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-02-15_001.xad

Created: 2/15/2024 11:49:15 AM
 Modified: 2/15/2024 12:32:15 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : DFD_080 (tube 23)

Number of peaks found: 0 Corr. Area 1: 42.4
 Noise: 0.1

Peak table for sample 8 : DFD_080 (tube 23)

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

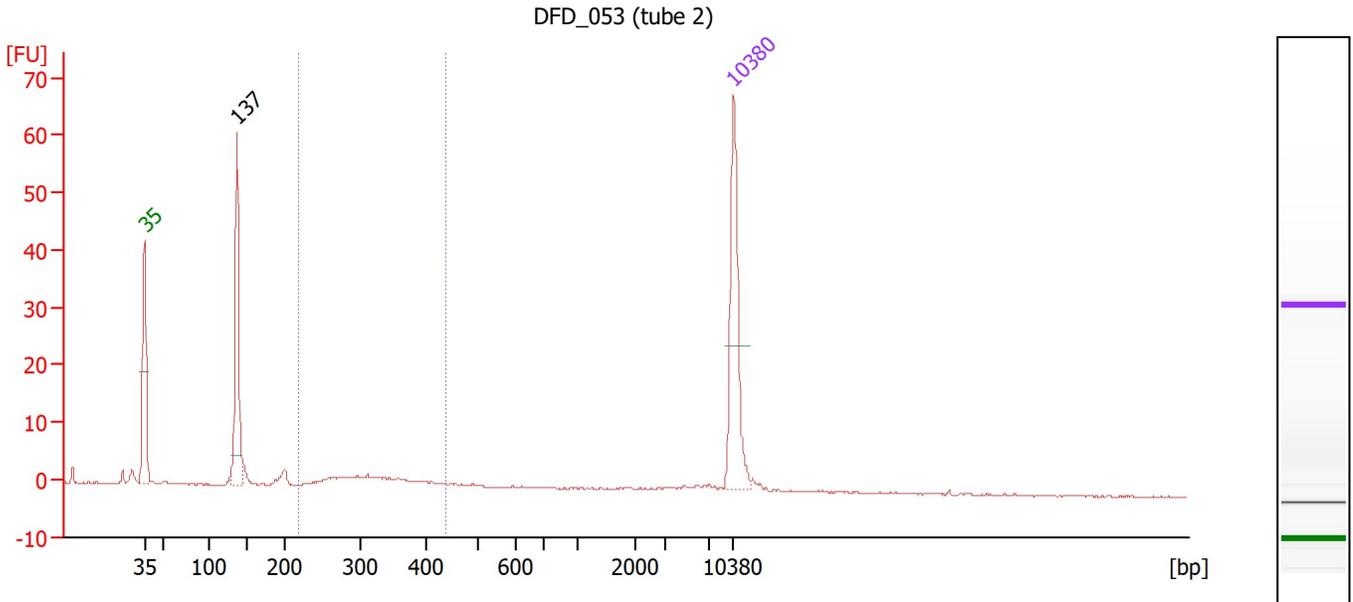
Region table for sample 8 : DFD_080 (tube 23)

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
249	648	42.4	87	402	20.5	66.22	263.6	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-02-15_001.xad

Created: 2/15/2024 11:49:15 AM
 Modified: 2/15/2024 12:32:15 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : DFD_053 (tube 2)

Number of peaks found: 1 Corr. Area 1: 0.7
 Noise: 0.2

Peak table for sample 9 : DFD_053 (tube 2)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	137	126.64	1,396.0	
3	10,380	75.00	10.9	Upper Marker

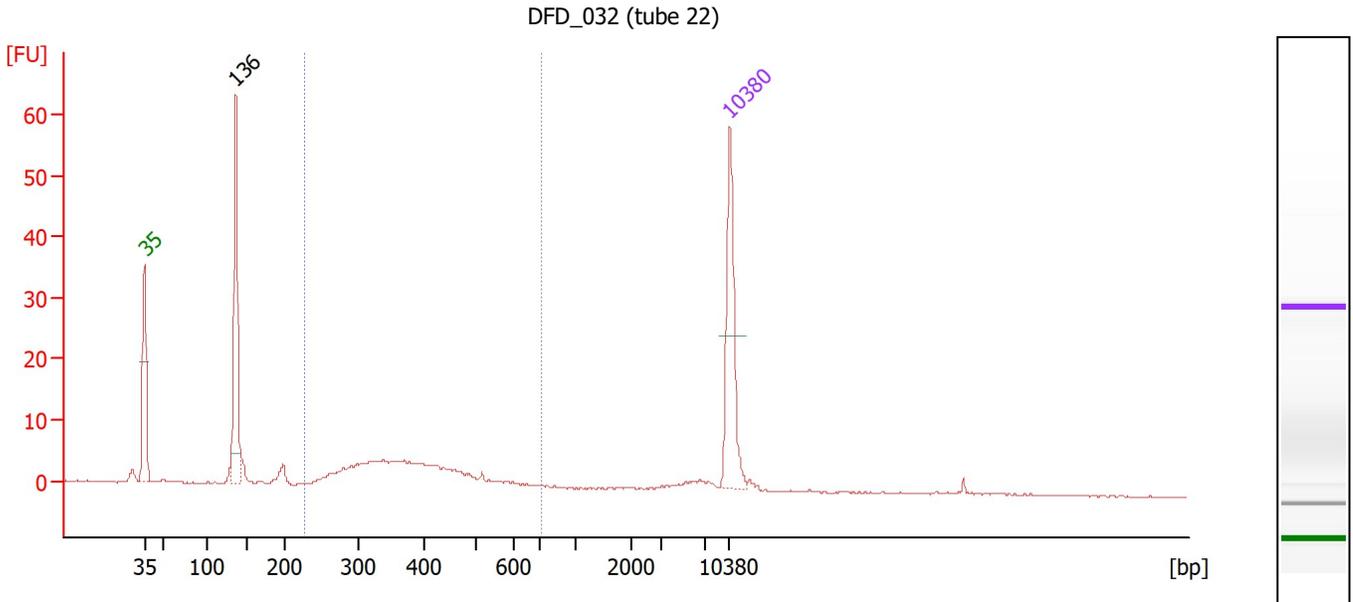
Region table for sample 9 : DFD_053 (tube 2)

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
218	437	0.7	1	309	4.8	1.35	6.6	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-02-15_001.xad

Created: 2/15/2024 11:49:15 AM
 Modified: 2/15/2024 12:32:15 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : DFD_032 (tube 22)

Number of peaks found: 1 Corr. Area 1: 78.5
 Noise: 0.1

Peak table for sample 10 : DFD_032 (tube 22)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	136	159.12	1,769.5	
3	10,380	75.00	10.9	Upper Marker

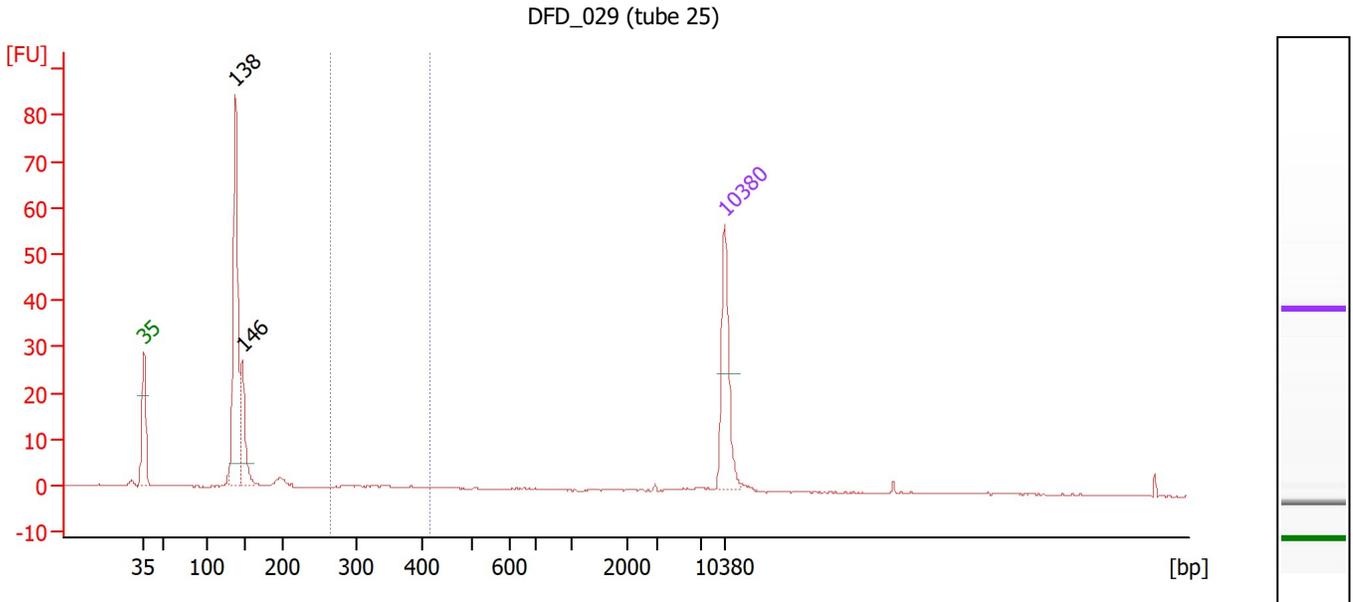
Region table for sample 10 : DFD_032 (tube 22)

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
228	712	78.5	49	384	22.9	168.04	708.6	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-02-15_001.xad

Created: 2/15/2024 11:49:15 AM
 Modified: 2/15/2024 12:32:15 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : DFD_029 (tube 25)

Number of peaks found: 2 Corr. Area 1: 5.7
 Noise: 0.1

Peak table for sample 11 : DFD_029 (tube 25)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	138	263.09	2,892.4	
3	146	82.12	851.3	
4	10,380	75.00	10.9	Upper Marker

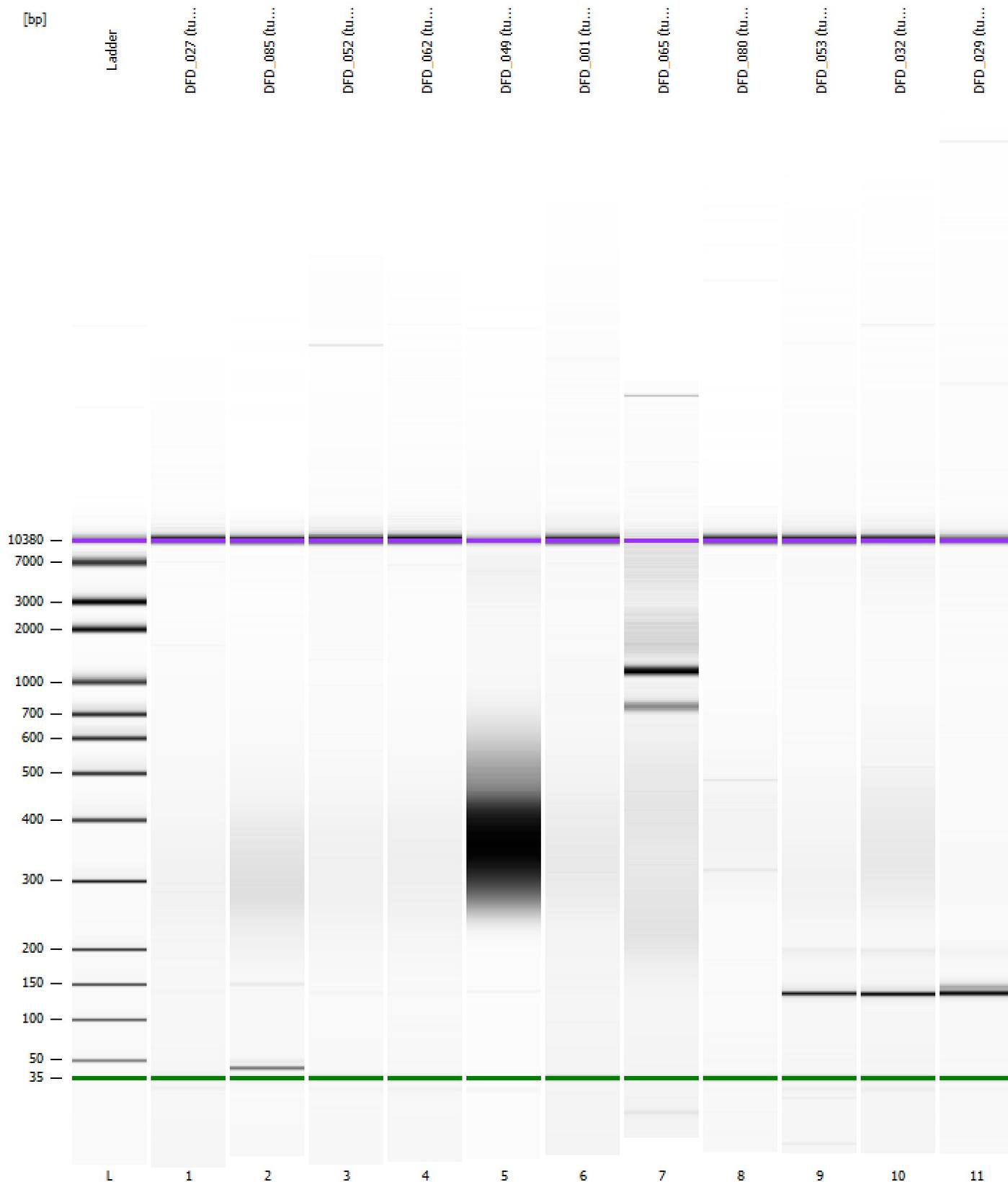
Region table for sample 11 : DFD_029 (tube 25)

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
265	414	5.7	4	335	12.0	13.12	60.4	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-02-15_001.xad

Created: 2/15/2024 11:49:15 AM
Modified: 2/15/2024 12:32:15 PM

Gel Image

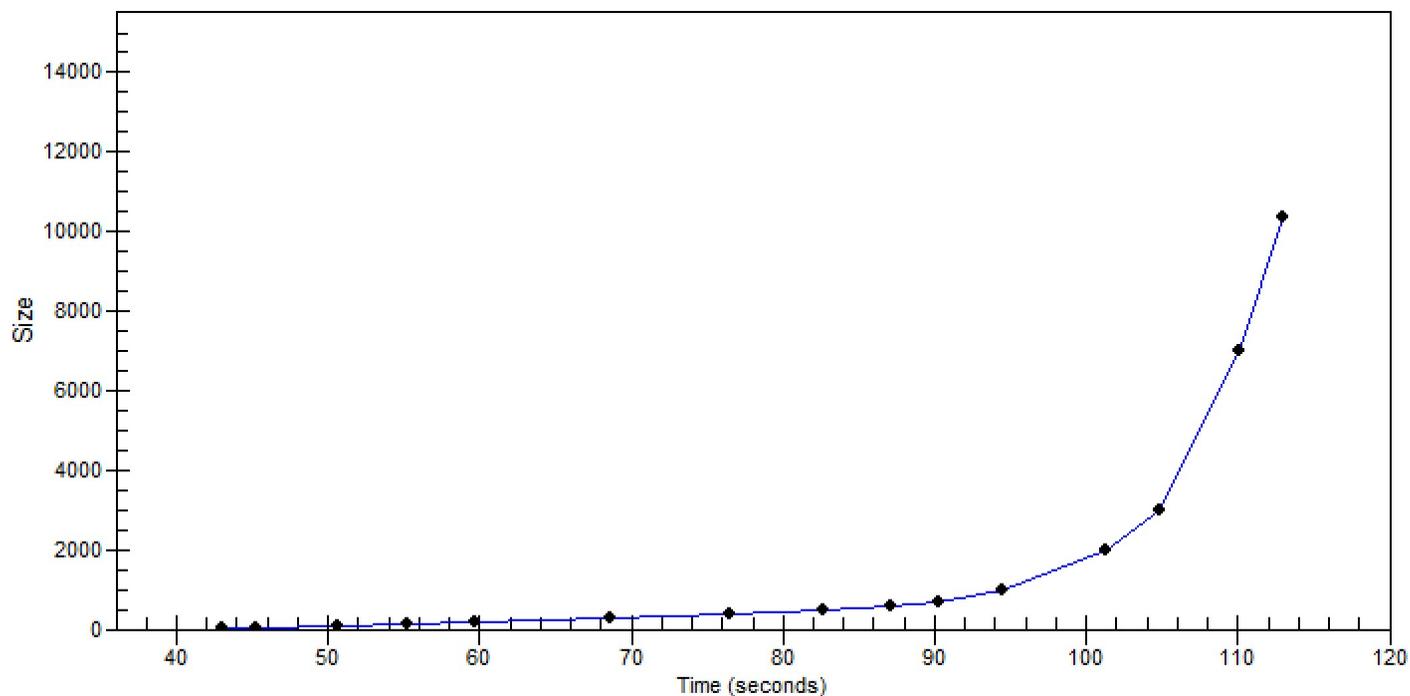


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-02-15_001.xad

Created: 2/15/2024 11:49:15 AM
Modified: 2/15/2024 12:32:15 PM

Curves

Standard Curve



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-02-15_001.xad

Created: 2/15/2024 11:49:15 AM
 Modified: 2/15/2024 12:32:15 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
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Run started on port 1 (File: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\data\2024-02-15\Bioanalyzer1_High Sensitivity DNA Assay_DE34903152_2024-02-15_001.xad)		Instrument	Run		2/15/2024 11:49:28 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		2/15/2024 11:49:28 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		2/15/2024 11:49:28 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		2/15/2024 11:49:28 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		2/15/2024 11:49:28 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		2/15/2024 11:49:28 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		2/15/2024 11:49:28 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB