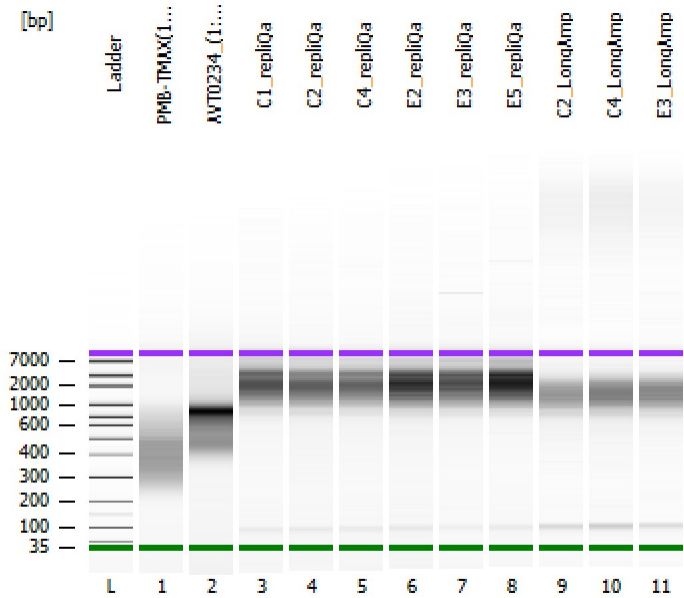


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-09-03_001.xad

Created: 9/3/2024 4:14:21 PM
Modified: 9/3/2024 5:05:37 PM

Electrophoresis File Run Summary



Instrument Information:

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

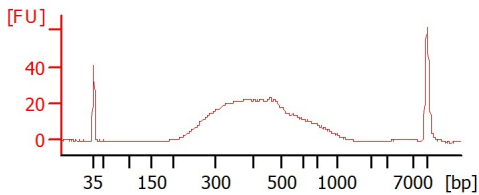
Assay Information:

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

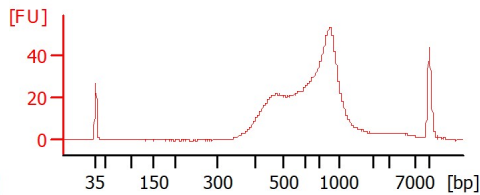
Chip Information:

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

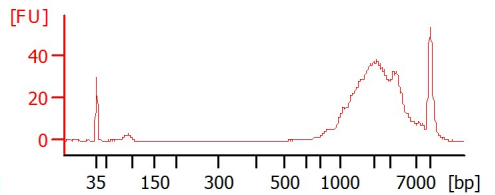
PMB-TMAX(1:2)



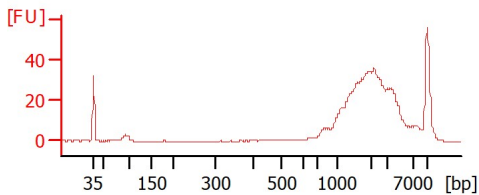
AVT0234 (1:10)



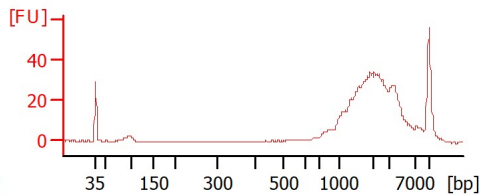
C1_repliQa



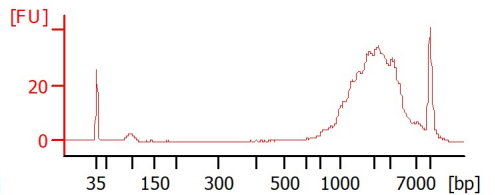
C2_repliQa



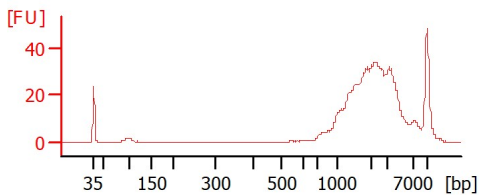
C4_repliQa



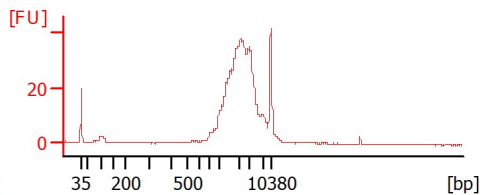
E2_repliQa



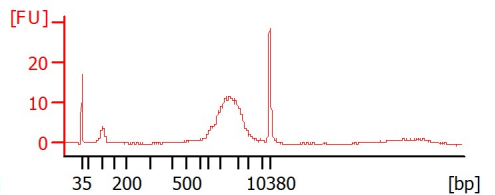
E3_repliQa



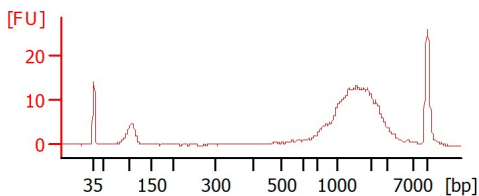
E5_repliQa



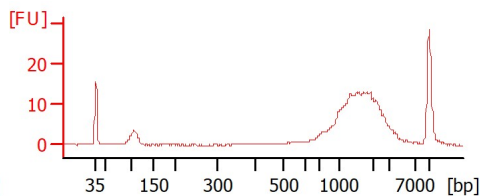
C2_LongAmp



C4_LongAmp



E3_LongAmp



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-09-03_001.xad

Created: 9/3/2024 4:14:21 PM
 Modified: 9/3/2024 5:05:37 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
PMB-TMAX(1:2)		<input type="checkbox"/>		✓		
AVT0234_(1:10)		<input type="checkbox"/>		✓		
C1_repliQa		<input type="checkbox"/>		✓		
C2_repliQa		<input type="checkbox"/>		✓		
C4_repliQa		<input type="checkbox"/>		✓		
E2_repliQa		<input type="checkbox"/>		✓		
E3_repliQa		<input type="checkbox"/>		✓		
E5_repliQa		<input type="checkbox"/>		✓		
C2_LongAmp		<input type="checkbox"/>		✓		
C4_LongAmp		<input type="checkbox"/>		✓		
E3_LongAmp		<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_2024-09-03_001.xad

Created: 9/3/2024 4:14:21 PM
 Modified: 9/3/2024 5:05:37 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

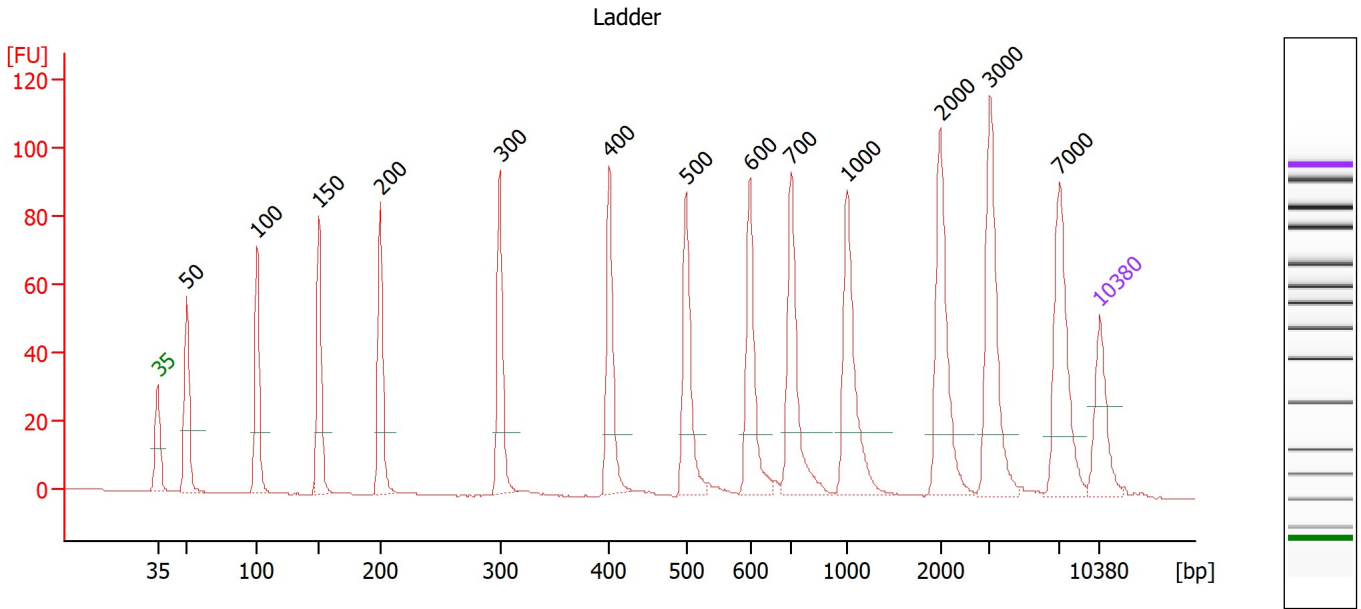
Ladder

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_2024-09-03_001.xad

Created: 9/3/2024 4:14:21 PM
 Modified: 9/3/2024 5:05:37 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.1

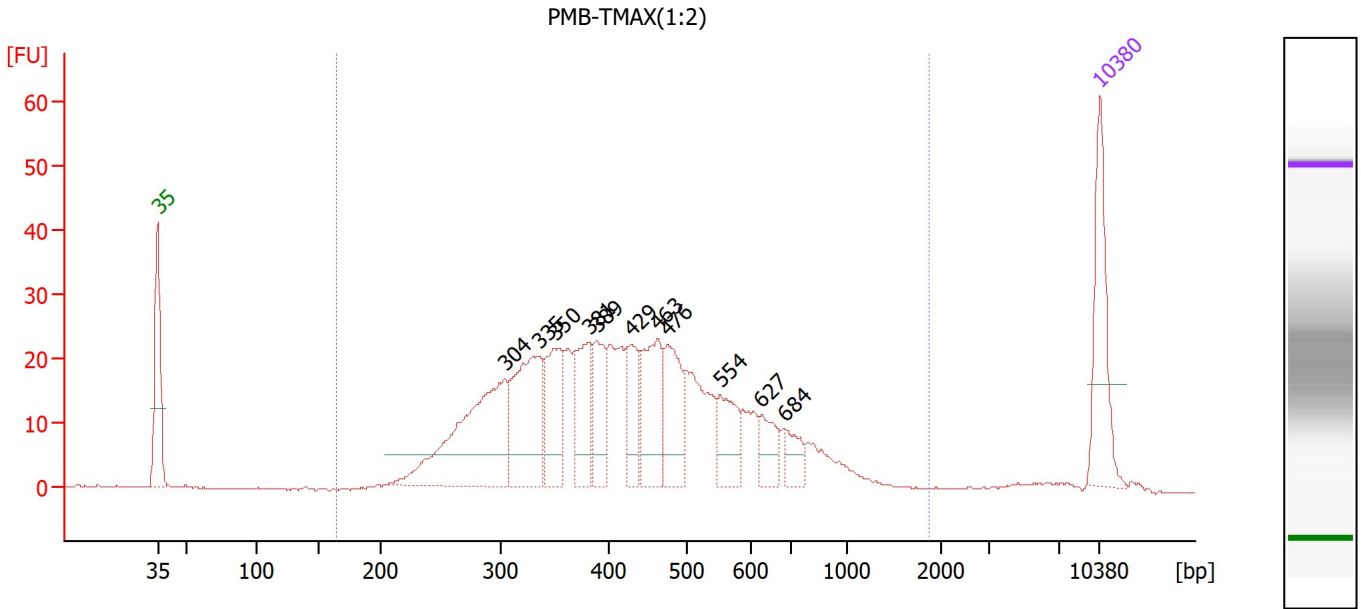
Peak table for Ladder

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_2024-09-03_001.xad

Created: 9/3/2024 4:14:21 PM
 Modified: 9/3/2024 5:05:37 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : PMB-TMAX(1:2)

Number of peaks found: 11 Corr. Area 1: 610.0
 Noise: 0.1

Peak table for sample 1 : PMB-TMAX(1:2)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	304	223.16	1,110.6	
3	335	136.33	616.7	
4	350	82.38	356.8	
5	381	72.82	289.6	
6	389	55.68	217.1	
7	429	52.04	183.7	
8	463	89.32	292.2	
9	476	77.32	246.1	
10	554	51.92	142.0	
11	627	30.88	74.6	
12	684	25.35	56.2	
13	10,380	75.00	10.9	Upper Marker

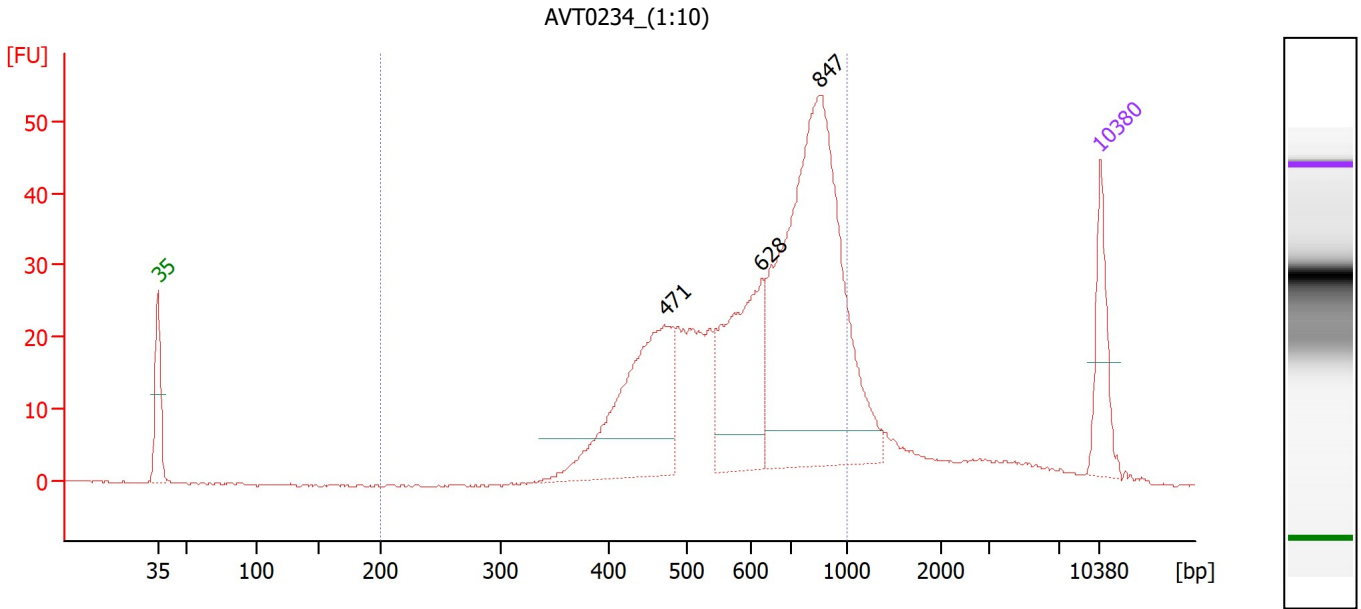
Region table for sample 1 : PMB-TMAX(1:2)

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
164	1,884	610.0	97	457	41.0	1,290.39	5,008.0	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-09-03_001.xad

Created: 9/3/2024 4:14:21 PM
 Modified: 9/3/2024 5:05:37 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : AVT0234 (1:10)

Number of peaks found: 3 Corr. Area 1: 563.5
 Noise: 0.1

Peak table for sample 2 : AVT0234 (1:10)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	471	337.79	1,085.6	
3	628	248.13	598.6	
4	847	719.25	1,286.3	
5	10,380	75.00	10.9	Upper Marker

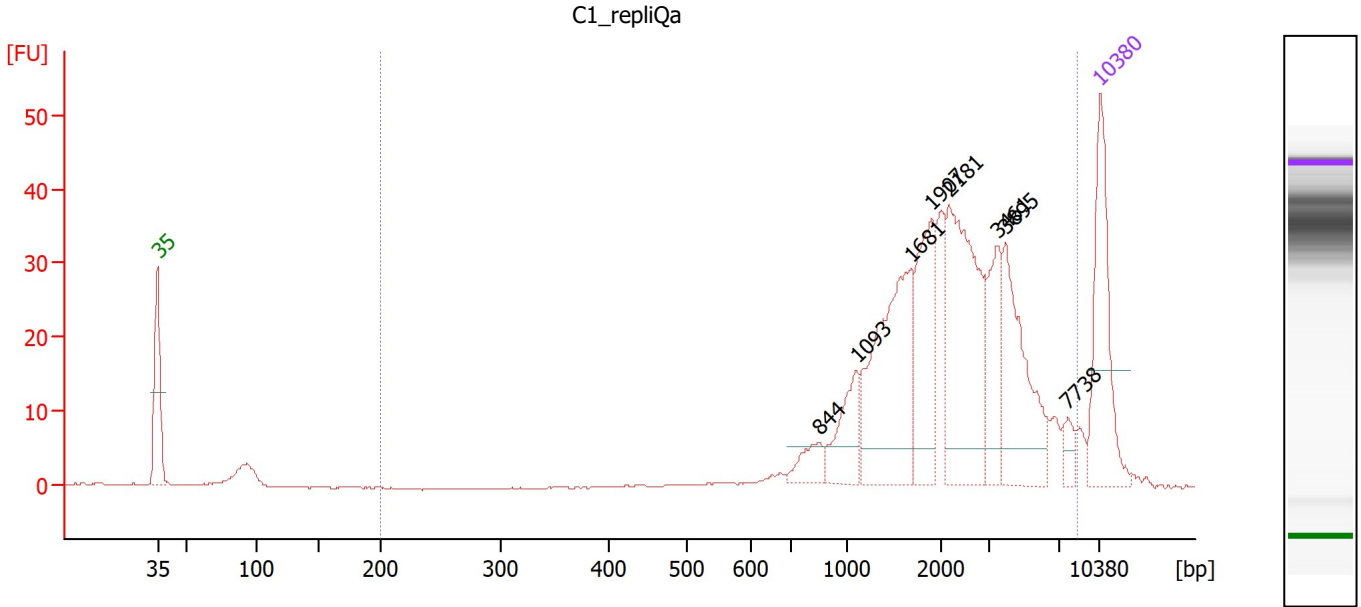
Region table for sample 2 : AVT0234 (1:10)

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	563.5	84	648	26.3	1,612.31	4,142.8	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-09-03_001.xad

Created: 9/3/2024 4:14:21 PM
 Modified: 9/3/2024 5:05:37 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : C1_repliQa

Number of peaks found: 8 Corr. Area 1: 424.2
 Noise: 0.1

Peak table for sample 3 : C1_repliQa

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	844	18.88	33.9	
3	1,093	37.49	52.0	
4	1,681	123.29	111.2	
5	1,907	77.54	61.6	
6	2,181	131.35	91.3	
7	3,461	43.69	19.1	
8	3,895	83.32	32.4	
9	7,738	9.87	1.9	
10	10,380	75.00	10.9	Upper Marker

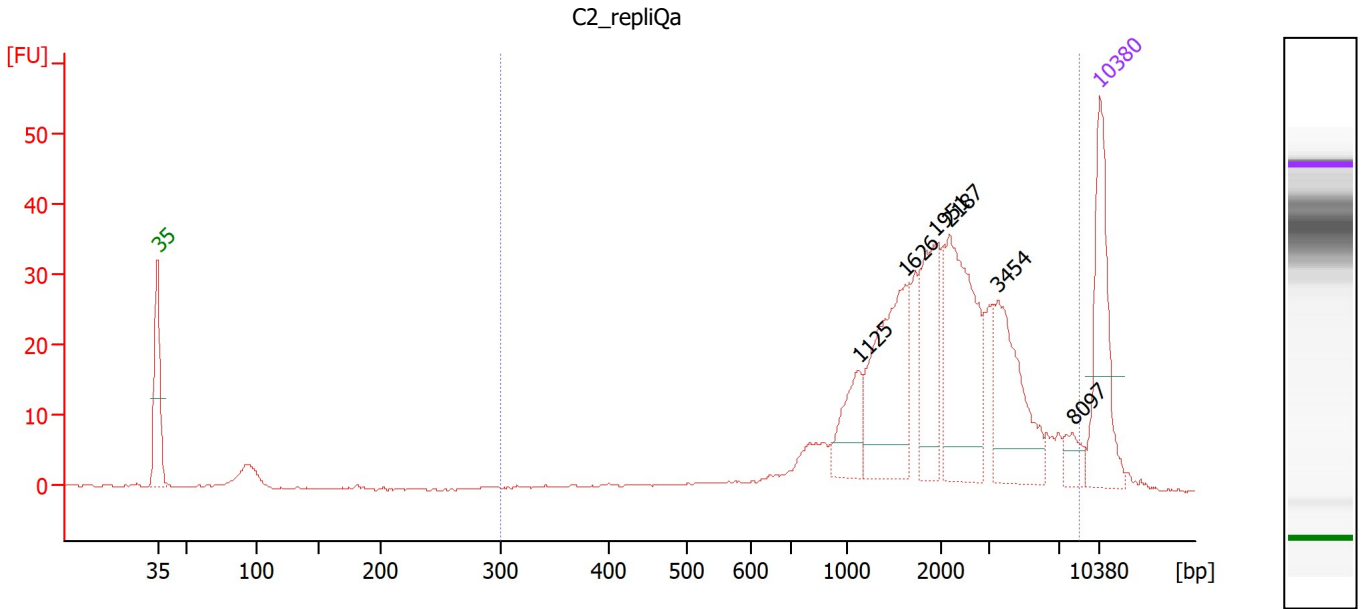
Region table for sample 3 : C1_repliQa

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	8,479	424.2	95	2,598	60.8	624.04	513.5	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-09-03_001.xad

Created: 9/3/2024 4:14:21 PM
 Modified: 9/3/2024 5:05:37 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : C2_repliQa

Number of peaks found: 6 Corr. Area 1: 414.3
 Noise: 0.2

Peak table for sample 4 : C2_repliQa

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	1,125	41.85	56.4	
3	1,626	108.88	101.4	
4	1,951	67.24	52.2	
5	2,187	120.10	83.2	
6	3,454	81.95	36.0	
7	8,097	13.23	2.5	
8	10,380	75.00	10.9	Upper Marker

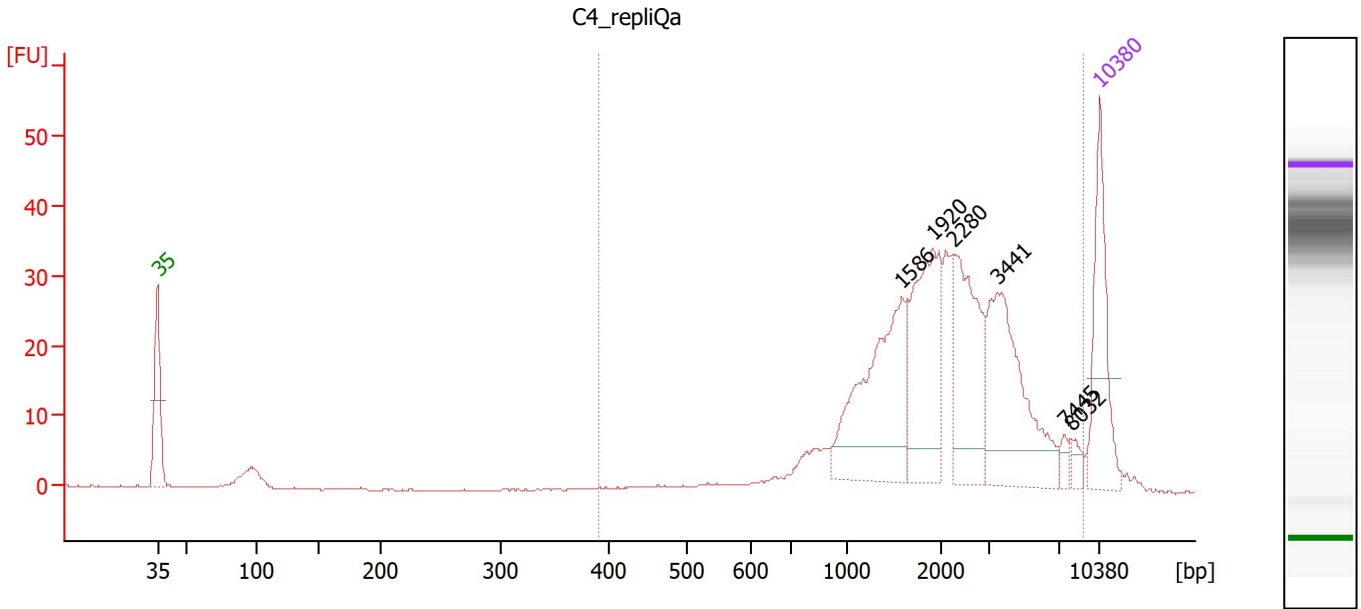
Region table for sample 4 : C2_repliQa

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
301	8,632	414.3	93	2,435	65.0	629.25	607.5	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-09-03_001.xad

Created: 9/3/2024 4:14:21 PM
 Modified: 9/3/2024 5:05:37 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : C4_repliQa

Number of peaks found: 6 Corr. Area 1: 388.7
 Noise: 0.2

Peak table for sample 5 : C4_repliQa

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	1,586	151.35	144.6	
3	1,920	119.28	94.1	
4	2,280	105.31	70.0	
5	3,441	131.29	57.8	
6	7,445	8.45	1.7	
7	8,032	8.67	1.6	
8	10,380	75.00	10.9	Upper Marker

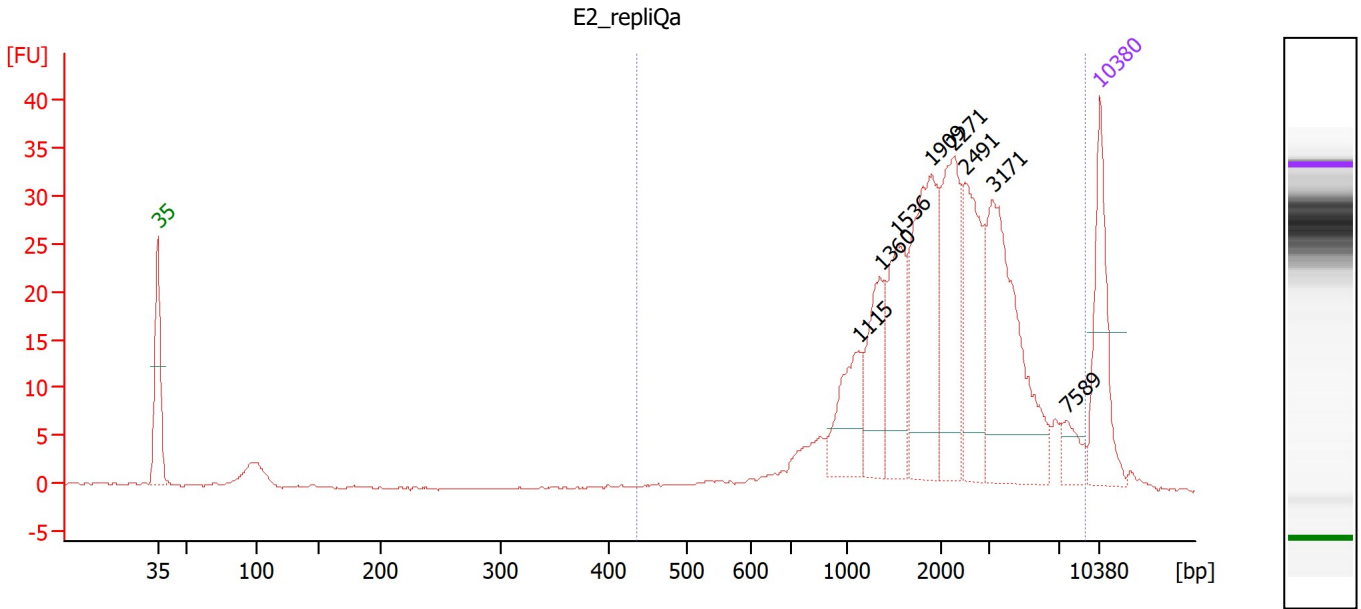
Region table for sample 5 : C4_repliQa

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
391	8,939	388.7	95	2,526	63.5	665.62	578.3	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-09-03_001.xad

Created: 9/3/2024 4:14:21 PM
 Modified: 9/3/2024 5:05:37 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : E2_repliQa

Number of peaks found: 8 Corr. Area 1: 375.4
 Noise: 0.1

Peak table for sample 6 : E2_repliQa

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	1,115	61.05	83.0	
3	1,360	66.82	74.5	
4	1,536	78.49	77.4	
5	1,909	136.89	108.6	
6	2,271	104.33	69.6	
7	2,491	93.22	56.7	
8	3,171	166.24	79.4	
9	7,589	18.25	3.6	
10	10,380	75.00	10.9	Upper Marker

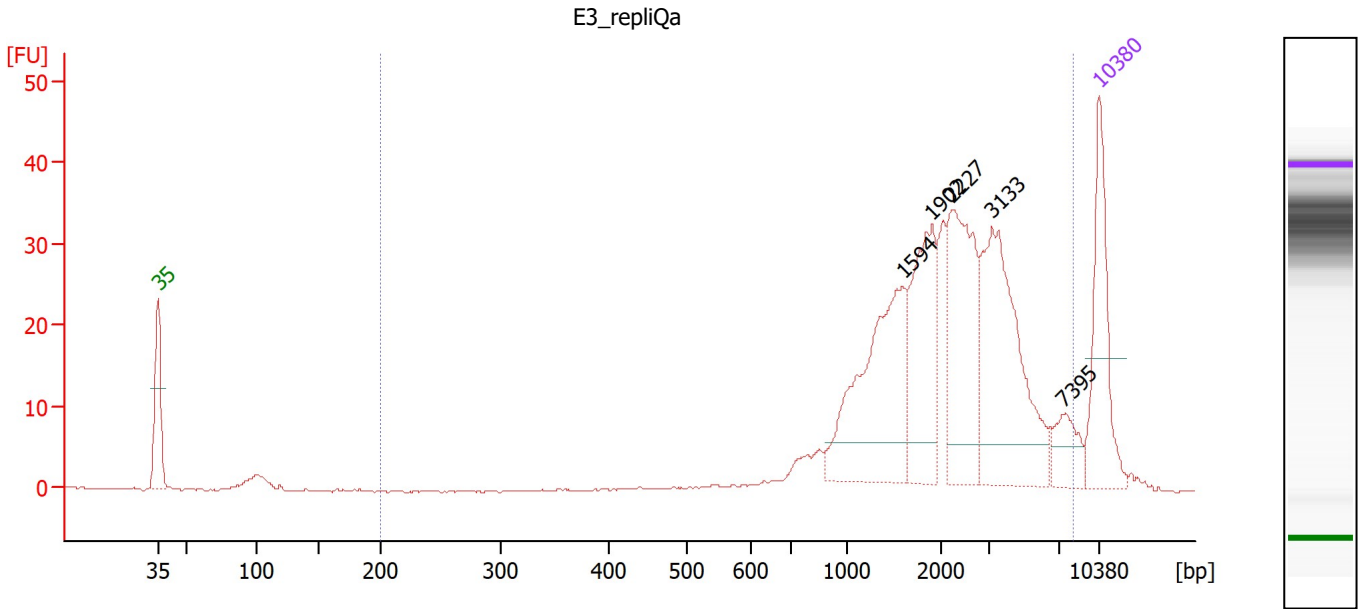
Region table for sample 6 : E2_repliQa

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
435	9,190	375.4	95	2,542	62.7	858.94	721.2	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-09-03_001.xad

Created: 9/3/2024 4:14:21 PM
 Modified: 9/3/2024 5:05:37 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : E3_repliQa

Number of peaks found: 5 Corr. Area 1: 382.8
 Noise: 0.1

Peak table for sample 7 : E3_repliQa

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	1,594	152.52	145.0	
3	1,902	97.84	77.9	
4	2,227	115.80	78.8	
5	3,133	151.89	73.5	
6	7,395	27.16	5.6	
7	10,380	75.00	10.9	Upper Marker

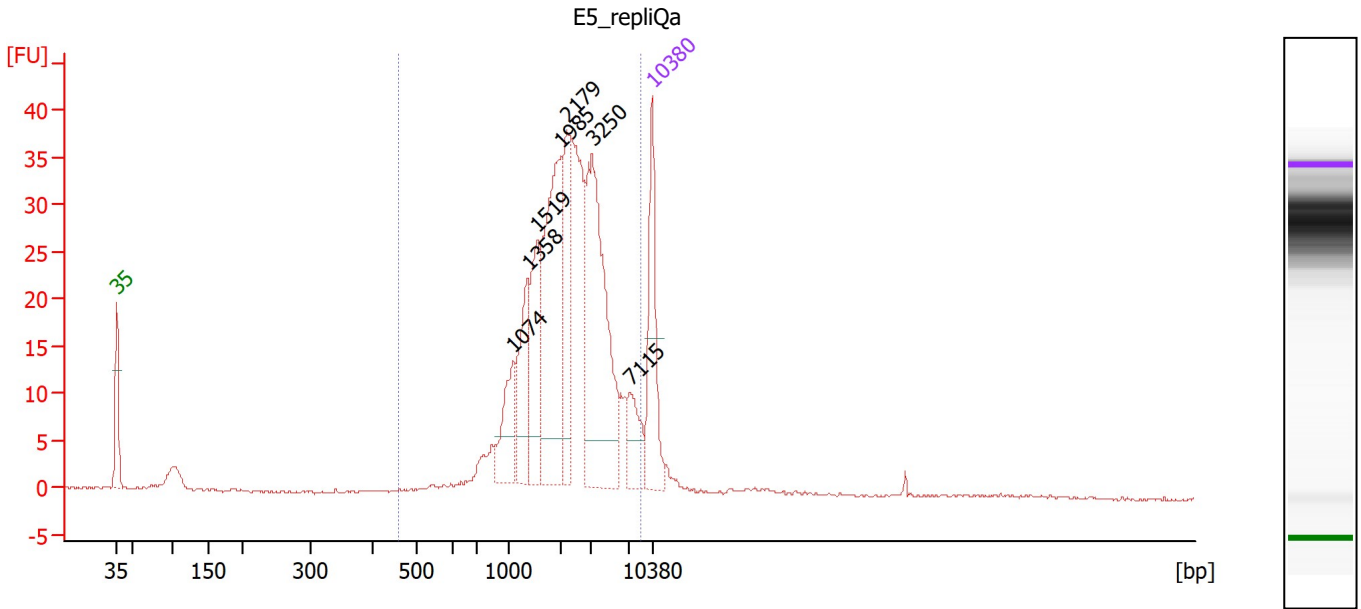
Region table for sample 7 : E3_repliQa

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	8,144	382.8	93	2,539	59.9	667.59	567.8	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-09-03_001.xad

Created: 9/3/2024 4:14:21 PM
 Modified: 9/3/2024 5:05:37 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : E5_repliQa

Number of peaks found: 7 Corr. Area 1: 407.3
 Noise: 0.2

Peak table for sample 8 : E5_repliQa

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	1,074	50.80	71.6	
3	1,358	63.01	70.3	
4	1,519	70.29	70.1	
5	1,985	165.68	126.5	
6	2,179	72.95	50.7	
7	3,250	194.90	90.9	
8	7,115	35.14	7.5	
9	10,380	75.00	10.9	Upper Marker

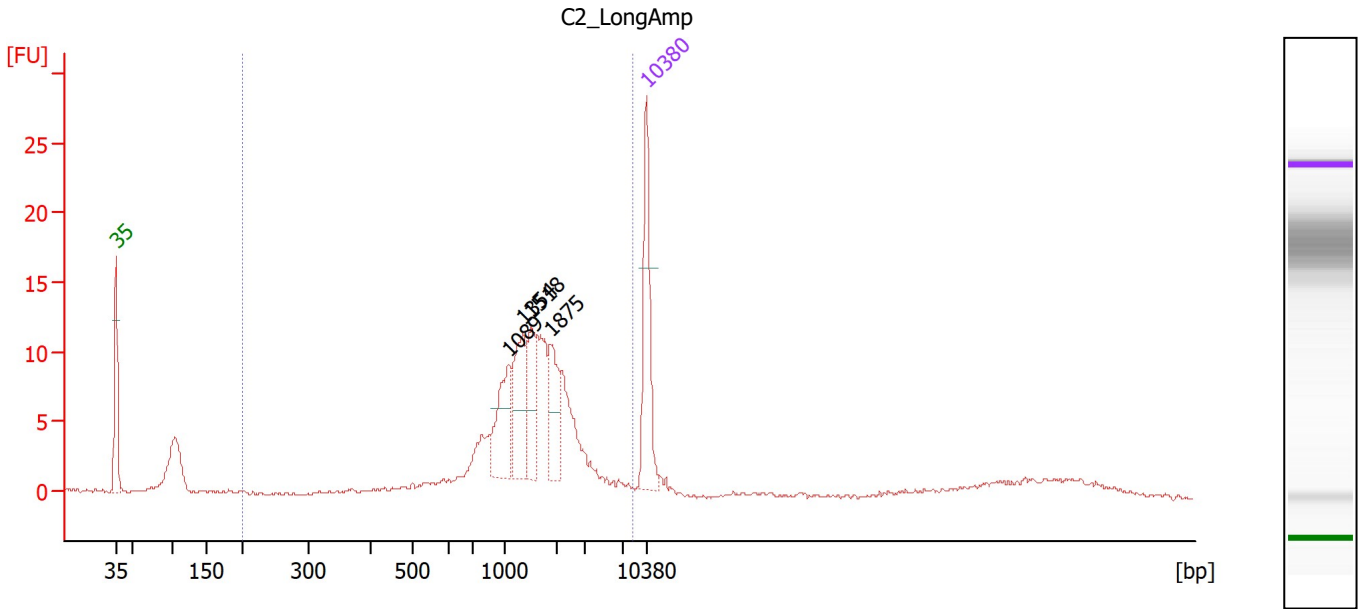
Region table for sample 8 : E5_repliQa

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
456	8,797	407.3	94	2,665	61.0	892.10	701.6	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-09-03_001.xad

Created: 9/3/2024 4:14:21 PM
 Modified: 9/3/2024 5:05:37 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : C2_LongAmp

Number of peaks found: 4 Corr. Area 1: 125.3
 Noise: 0.1

Peak table for sample 9 : C2_LongAmp

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	1,089	57.94	80.6	
3	1,354	59.77	66.9	
4	1,518	41.70	41.6	
5	1,875	43.52	35.2	
6	10,380	75.00	10.9	Upper Marker

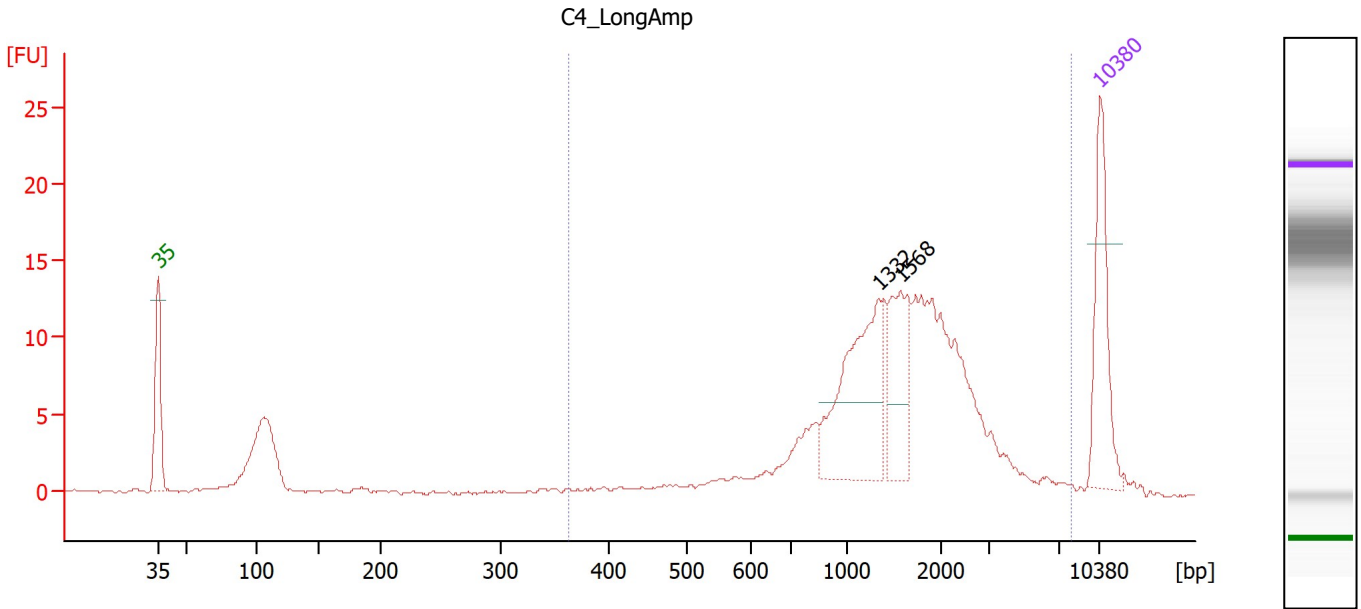
Region table for sample 9 : C2_LongAmp

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	8,478	125.3	80	1,689	60.3	453.87	548.0	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-09-03_001.xad

Created: 9/3/2024 4:14:21 PM
 Modified: 9/3/2024 5:05:37 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : C4_LongAmp

Number of peaks found: 2 Corr. Area 1: 143.5
 Noise: 0.1

Peak table for sample 10 : C4_LongAmp

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	1,332	138.64	157.7	
3	1,568	67.81	65.5	
4	10,380	75.00	10.9	Upper Marker

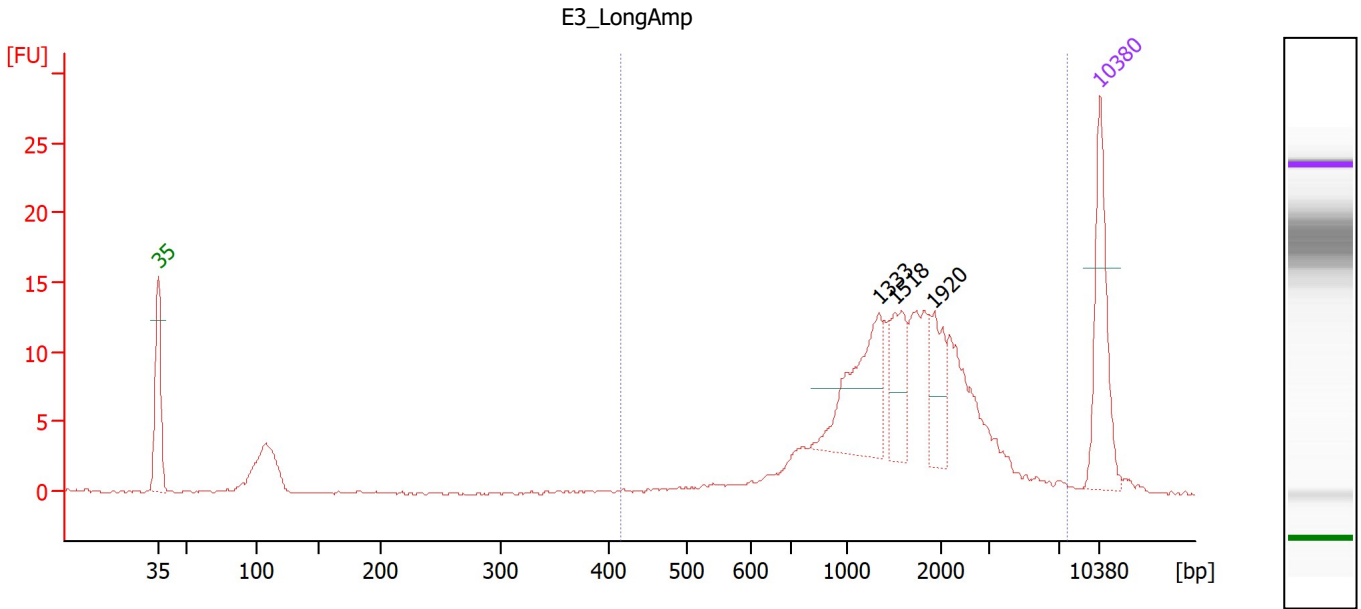
Region table for sample 10 : C4_LongAmp

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
363	7,984	143.5	76	1,718	58.2	553.64	661.1	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-09-03_001.xad

Created: 9/3/2024 4:14:21 PM
 Modified: 9/3/2024 5:05:37 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : E3_LongAmp

Number of peaks found: 3 Corr. Area 1: 142.5
 Noise: 0.1

Peak table for sample 11 : E3_LongAmp

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	1,333	95.43	108.5	
3	1,518	46.62	46.5	
4	1,920	39.85	31.4	
5	10,380	75.00	10.9	Upper Marker

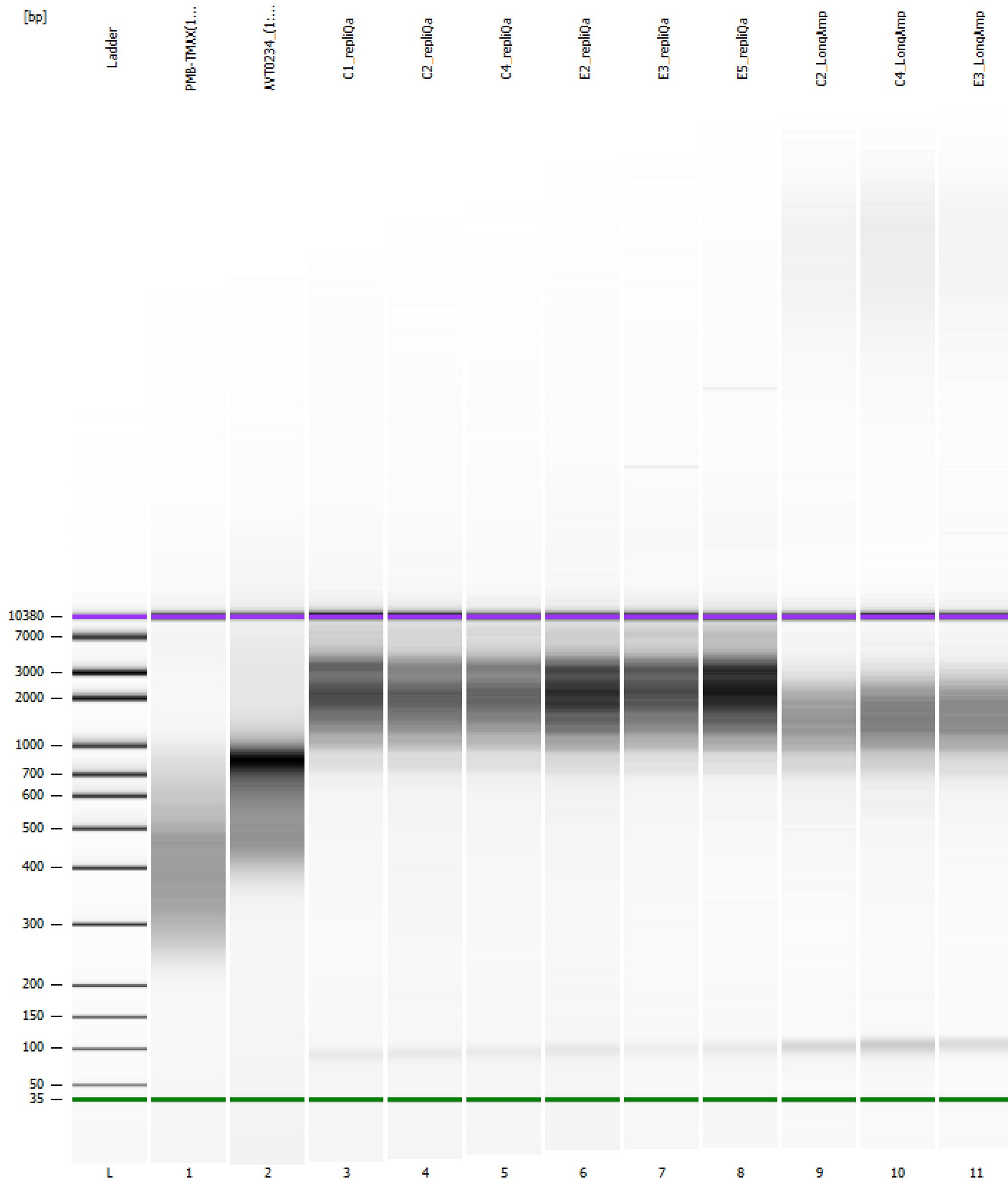
Region table for sample 11 : E3_LongAmp

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
415	7,703	142.5	80	1,776	56.3	513.20	577.8	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-09-03_001.xad

Created: 9/3/2024 4:14:21 PM
Modified: 9/3/2024 5:05:37 PM

Gel Image



Assay Class: High Sensitivity DNA Assay Created: 9/3/2024 4:14:21 PM
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-09-03_001.xad Modified: 9/3/2024 5:05:37 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		9/3/2024 4:55:42 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\2024-09-03\Bioanalyzer1_High Sensitivity DNA Assay_DE34903152_2024-09-03_001.xad)		Instrument	Run		9/3/2024 4:14:27 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		9/3/2024 4:14:27 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		9/3/2024 4:14:27 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		9/3/2024 4:14:27 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		9/3/2024 4:14:27 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		9/3/2024 4:14:27 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		9/3/2024 4:14:27 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB