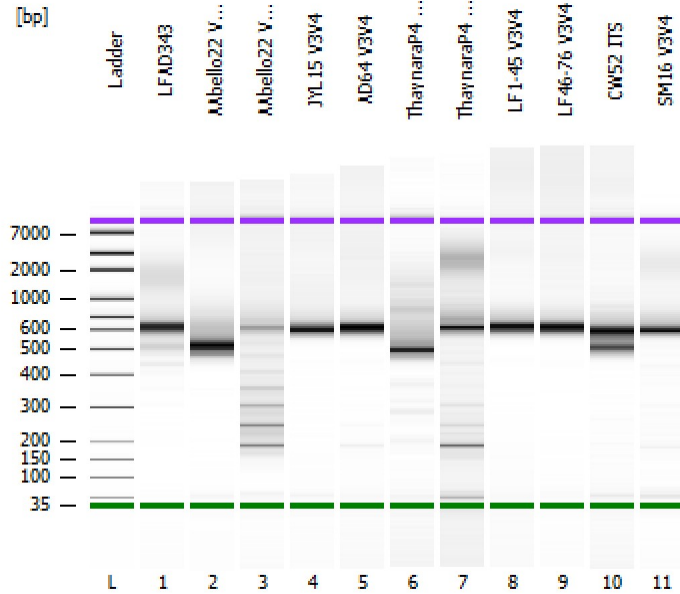


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-11-22_001.xad

Created: 11/22/2024 10:15:50 AM
Modified: 11/22/2024 11:10:54 AM

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

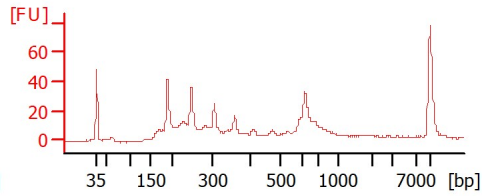
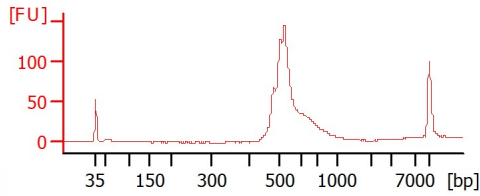
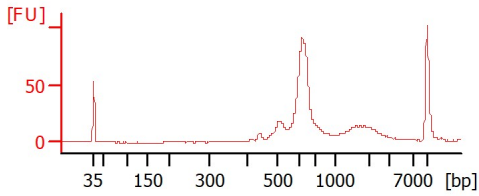
Chip Information:

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

LFAD343

AAbello22 V1V2

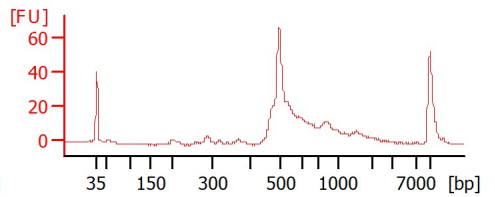
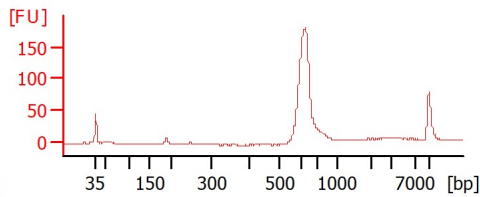
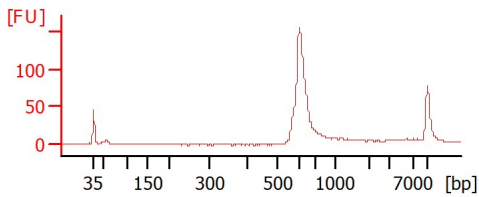
AAbello22 V3V4



JYL15 V3V4

AD64 V3V4

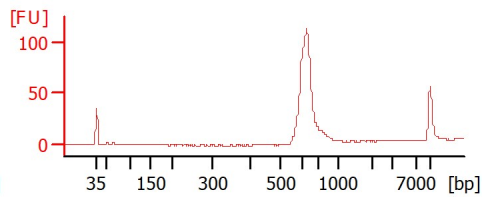
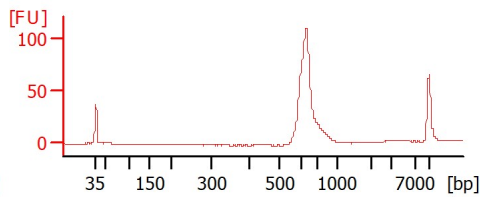
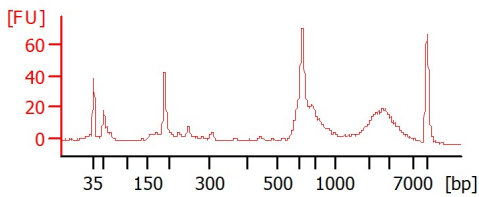
ThaynaraP4 V1V2



ThaynaraP4 V3V4

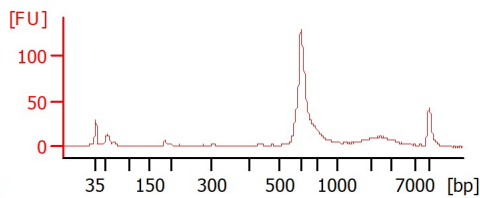
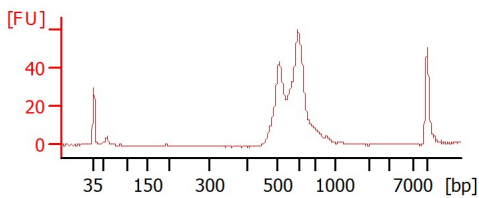
LF1-45 V3V4

LF46-76 V3V4



CW52 ITS

SM16 V3V4



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-11-22_001.xad

Created: 11/22/2024 10:15:50 AM
 Modified: 11/22/2024 11:10:54 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
LFAD343		<input type="checkbox"/>		✓		
AAbello22 V1V2		<input type="checkbox"/>		✓		
AAbello22 V3V4		<input type="checkbox"/>		✓		
JYL15 V3V4		<input type="checkbox"/>		✓		
AD64 V3V4		<input type="checkbox"/>		✓		
ThaynaraP4 V1V2		<input type="checkbox"/>		✓		
ThaynaraP4 V3V4		<input type="checkbox"/>		✓		
LF1-45 V3V4		<input type="checkbox"/>		✓		
LF46-76 V3V4		<input type="checkbox"/>		✓		
CW52 ITS		<input type="checkbox"/>		✓		
SM16 V3V4		<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_2024-11-22_001.xad

Created: 11/22/2024 10:15:50 AM
 Modified: 11/22/2024 11:10:54 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

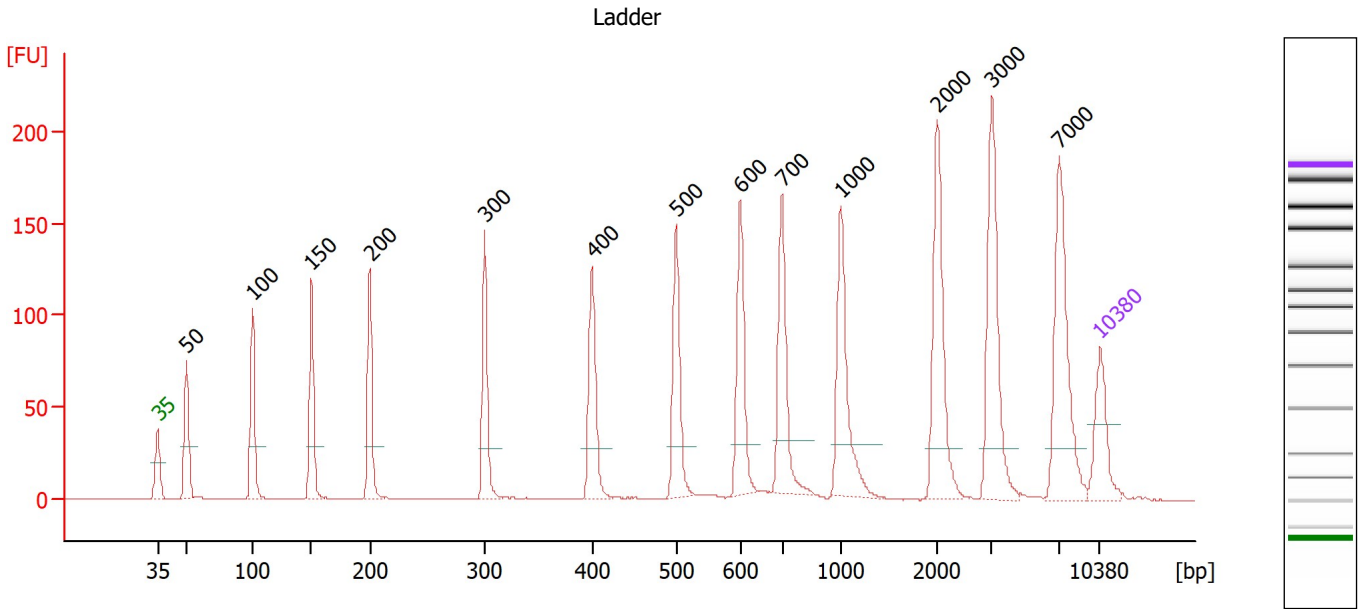
Ladder

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_2024-11-22_001.xad

Created: 11/22/2024 10:15:50 AM
 Modified: 11/22/2024 11:10:54 AM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.1

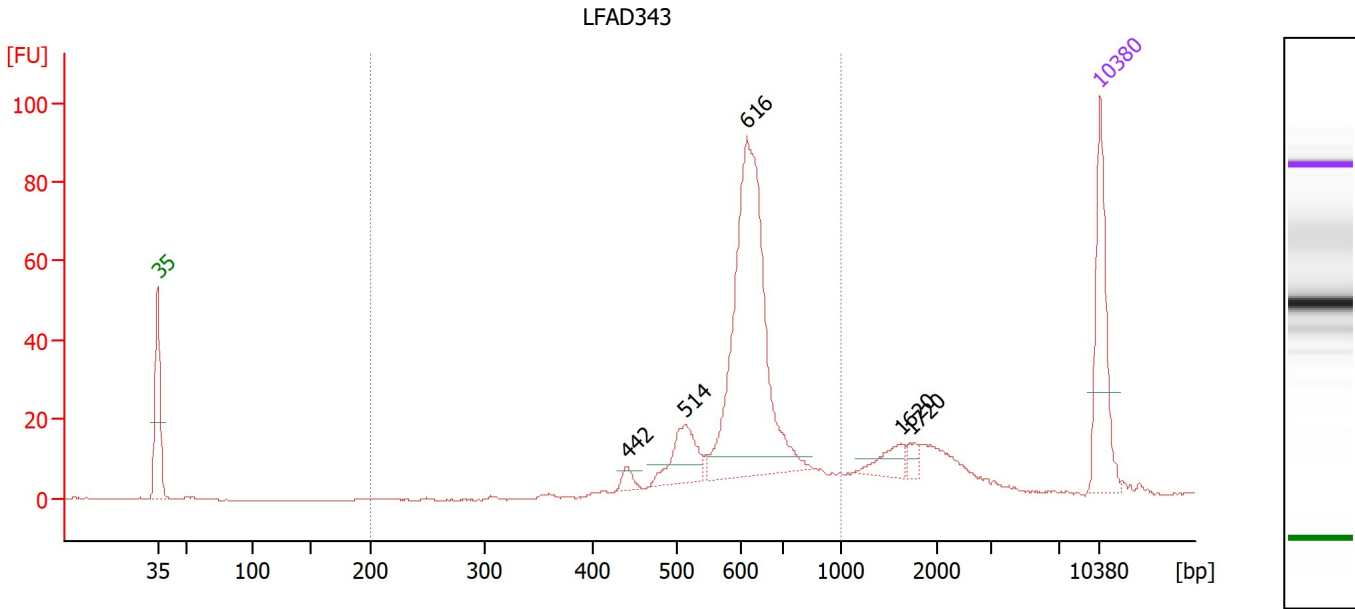
Peak table for Ladder

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_2024-11-22_001.xad

Created: 11/22/2024 10:15:50 AM
 Modified: 11/22/2024 11:10:54 AM

Electropherogram Summary Continued ...



Overall Results for sample 1 : LFAD343

Number of peaks found: 5 Corr. Area 1: 375.9
 Noise: 0.1

Peak table for sample 1 : LFAD343

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	442	9.31	31.9	
3	514	51.53	151.9	
4	616	327.15	804.1	
5	1,620	18.32	17.1	
6	1,720	8.19	7.2	
7	10,380	75.00	10.9	Upper Marker

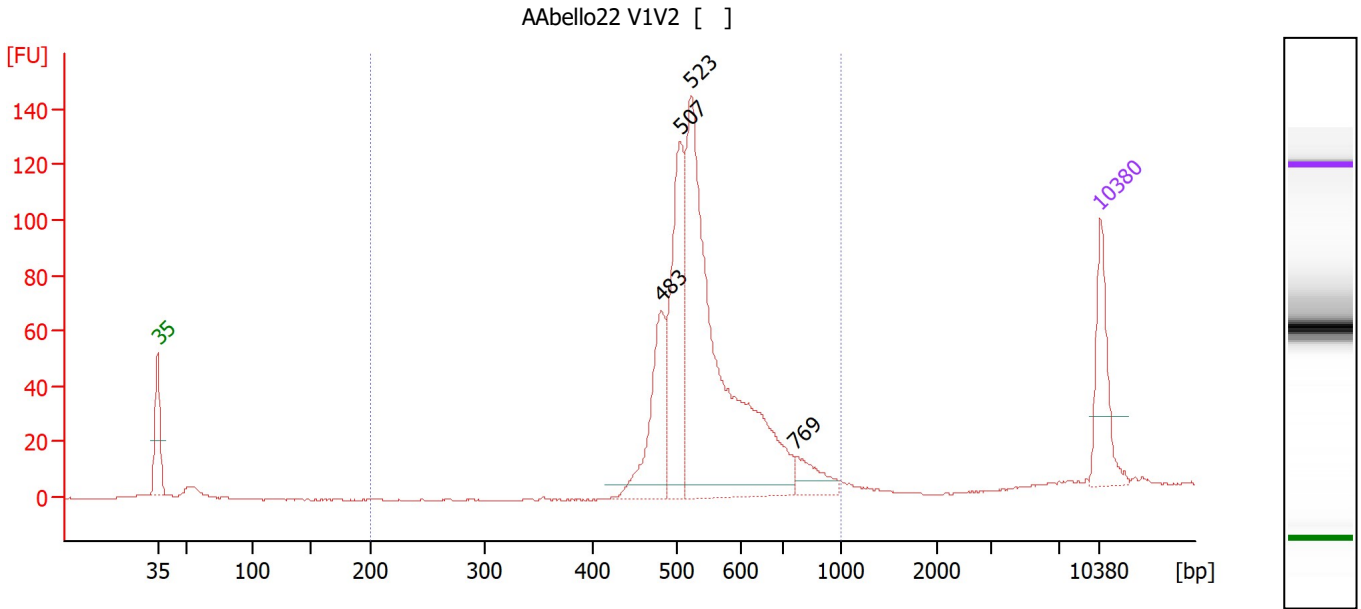
Region table for sample 1 : LFAD343

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	375.9	80	621	14.2	476.52	1,188.2	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-11-22_001.xad

Created: 11/22/2024 10:15:50 AM
 Modified: 11/22/2024 11:10:54 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 : AAbello22 V1V2

Number of peaks found: 4 Corr. Area 1: 723.6
 Noise: 0.2

Peak table for sample 2 : AAbello22 V1V2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	483	143.34	450.0	
3	507	214.90	641.8	
4	523	591.17	1,712.0	
5	769	39.13	77.1	
6	10,380	75.00	10.9	Upper Marker

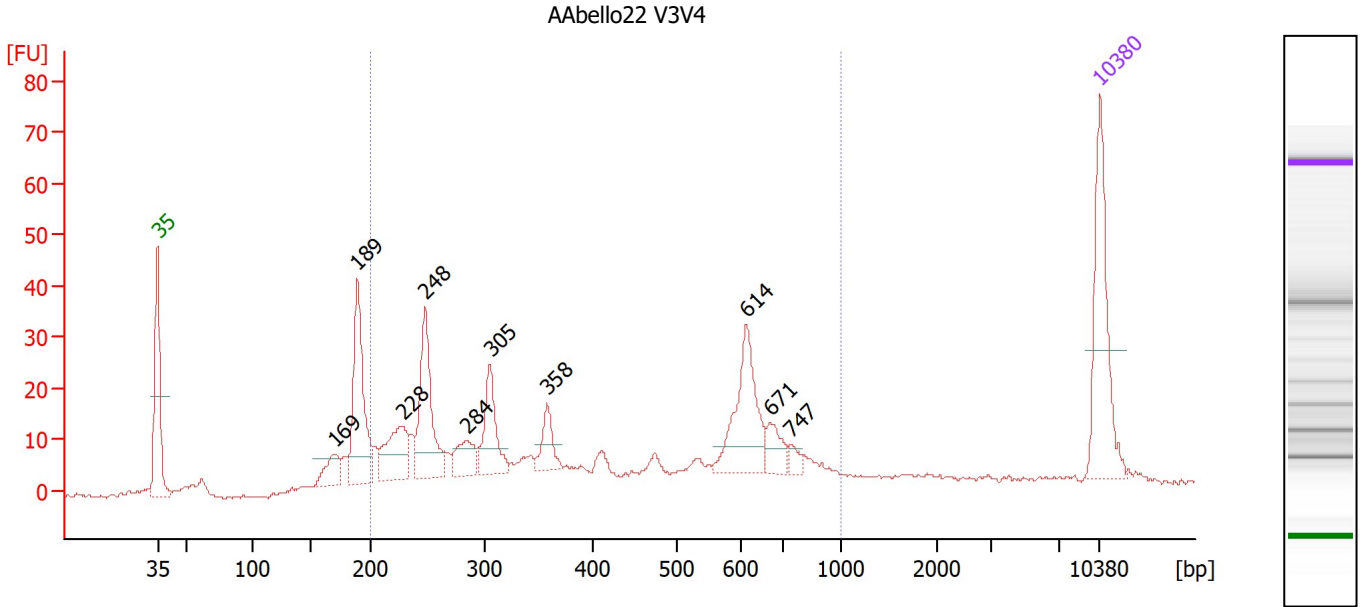
Region table for sample 2 : AAbello22 V1V2

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	723.6	99	552	14.5	879.14	2,464.1	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-11-22_001.xad

Created: 11/22/2024 10:15:50 AM
 Modified: 11/22/2024 11:10:54 AM

Electropherogram Summary Continued ...



Overall Results for sample 3 : AAbello22 V3V4

Number of peaks found: 10 Corr. Area 1: 370.3
 Noise: 0.4

Peak table for sample 3 : AAbello22 V3V4

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	169	27.34	244.9	
3	189	115.54	924.5	
4	228	57.92	385.3	
5	248	94.76	579.4	
6	284	28.33	151.3	
7	305	52.11	259.2	
8	358	24.04	101.7	
9	614	78.78	194.3	
10	671	20.90	47.2	
11	747	7.62	15.5	
12	10,380	75.00	10.9	Upper Marker

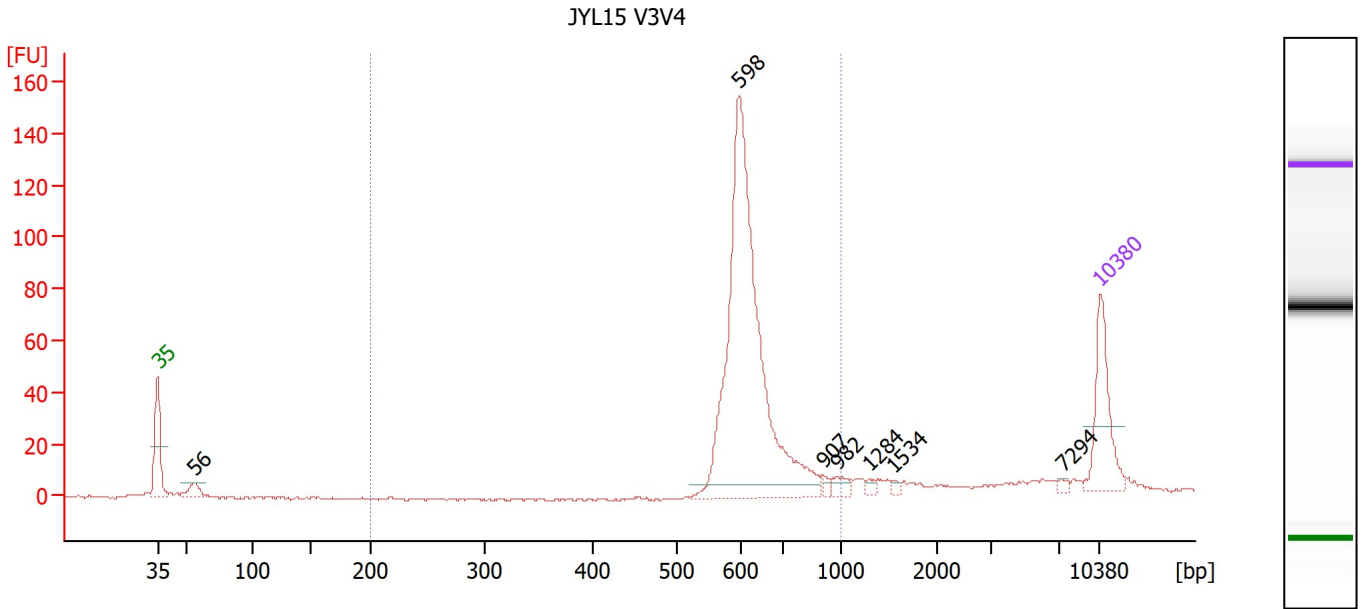
Region table for sample 3 : AAbello22 V3V4

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	370.3	79	434	43.6	604.04	2,748.7	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-11-22_001.xad

Created: 11/22/2024 10:15:50 AM
 Modified: 11/22/2024 11:10:54 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : JYL15 V3V4

Number of peaks found: 7 Corr. Area 1: 435.3
 Noise: 0.4

Peak table for sample 4 : JYL15 V3V4

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	56	22.24	603.6	
3	598	568.88	1,441.3	
4	907	5.66	9.5	
5	982	12.13	18.7	
6	1,284	5.29	6.2	
7	1,534	3.92	3.9	
8	7,294	3.28	0.7	
9	10,380	75.00	10.9	Upper Marker

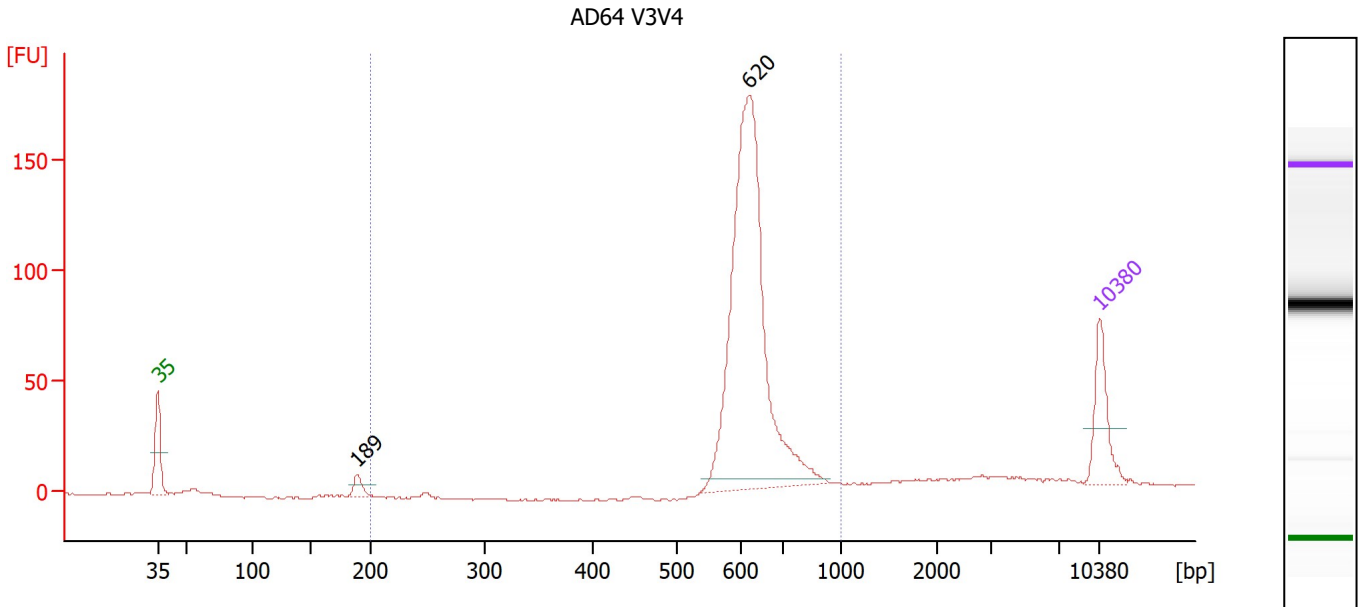
Region table for sample 4 : JYL15 V3V4

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	435.3	88	631	11.3	545.15	1,321.9	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-11-22_001.xad

Created: 11/22/2024 10:15:50 AM
 Modified: 11/22/2024 11:10:54 AM

Electropherogram Summary Continued ...



Overall Results for sample 5 : AD64 V3V4

Number of peaks found: 2 Corr. Area 1: 540.5
 Noise: 0.4

Peak table for sample 5 : AD64 V3V4

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	189	23.83	190.8	
3	620	766.14	1,872.1	
4	10,380	75.00	10.9	Upper Marker

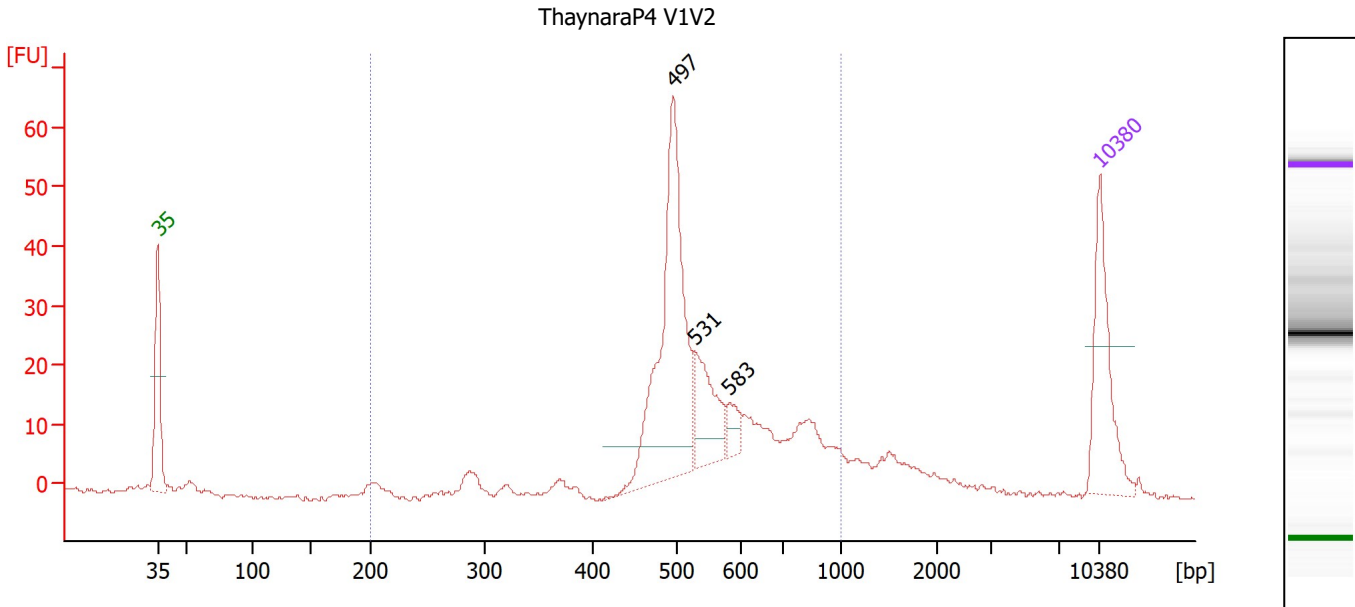
Region table for sample 5 : AD64 V3V4

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	540.5	96	629	8.0	741.67	1,796.1	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-11-22_001.xad

Created: 11/22/2024 10:15:50 AM
 Modified: 11/22/2024 11:10:54 AM

Electropherogram Summary Continued ...



Overall Results for sample 6 : ThaynaraP4 V1V2

Number of peaks found: 3 Corr. Area 1: 306.4
 Noise: 0.4

Peak table for sample 6 : ThaynaraP4 V1V2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	497	256.88	783.1	
3	531	64.65	184.6	
4	583	17.69	46.0	
5	10,380	75.00	10.9	Upper Marker

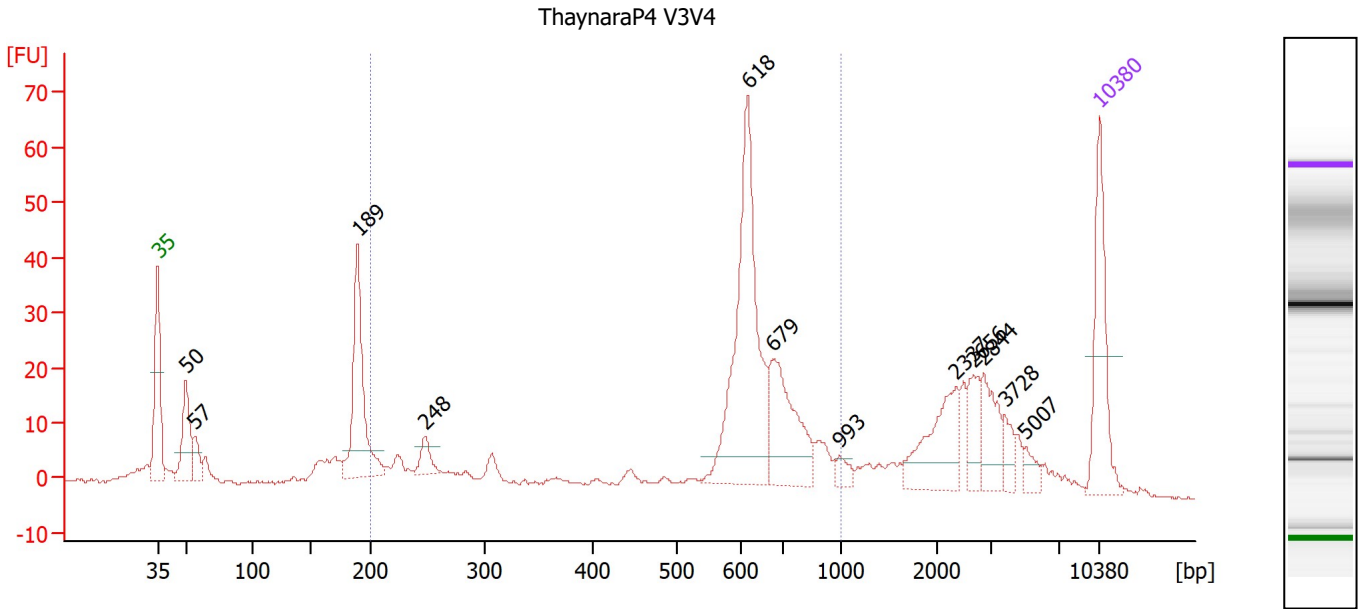
Region table for sample 6 : ThaynaraP4 V1V2

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	306.4	89	577	22.8	530.92	1,482.7	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-11-22_001.xad

Created: 11/22/2024 10:15:50 AM
 Modified: 11/22/2024 11:10:54 AM

Electropherogram Summary Continued ...



Overall Results for sample 7 : ThaynaraP4 V3V4

Number of peaks found: 12 Corr. Area 1: 302.5
 Noise: 0.3

Peak table for sample 7 : ThaynaraP4 V3V4

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	50	74.35	2,256.7	
3	57	23.86	637.3	
4	189	154.71	1,237.4	
5	248	20.52	125.2	
6	618	242.90	595.4	
7	679	104.70	233.8	
8	993	10.11	15.4	
9	2,337	66.29	43.0	
10	2,656	28.04	16.0	
11	2,844	39.31	20.9	
12	3,728	15.97	6.5	
13	5,007	11.22	3.4	
14	10,380	75.00	10.9	Upper Marker

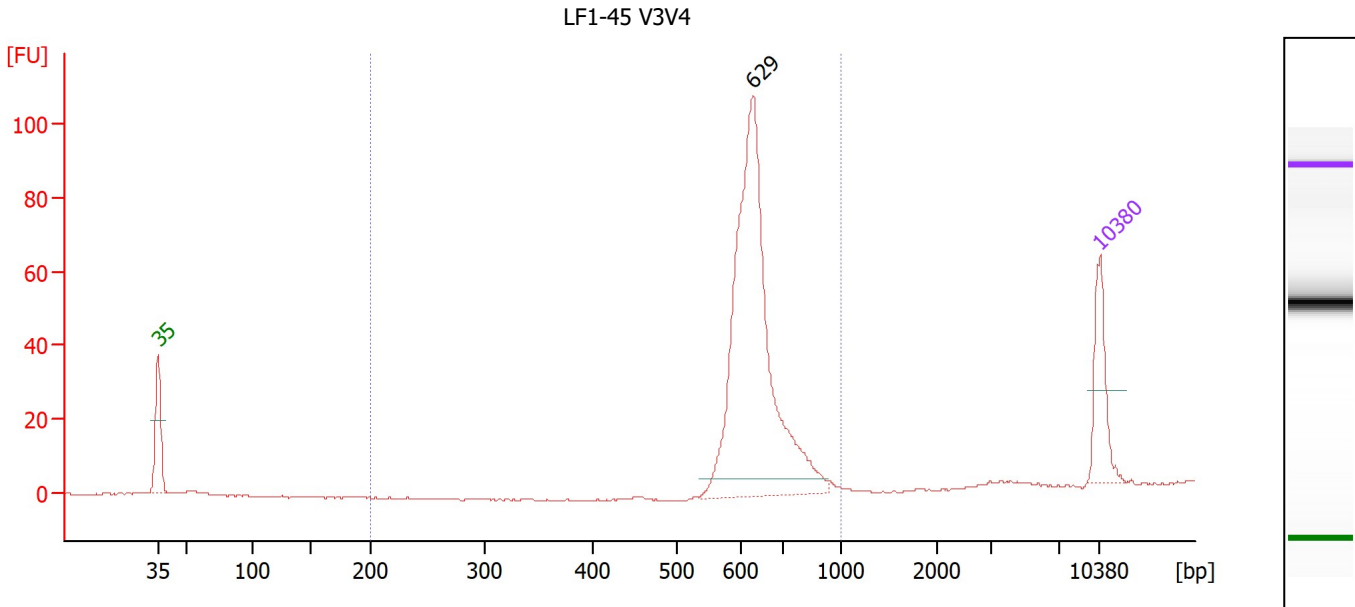
Region table for sample 7 : ThaynaraP4 V3V4

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	302.5	49	591	29.9	577.96	1,888.0	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-11-22_001.xad

Created: 11/22/2024 10:15:50 AM
 Modified: 11/22/2024 11:10:54 AM

Electropherogram Summary Continued ...



Overall Results for sample 8 : LF1-45 V3V4

Number of peaks found: 1 Corr. Area 1: 312.9
 Noise: 0.3

Peak table for sample 8 : LF1-45 V3V4

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	629	668.49	1,609.2	
3	10,380	75.00	10.9	Upper Marker

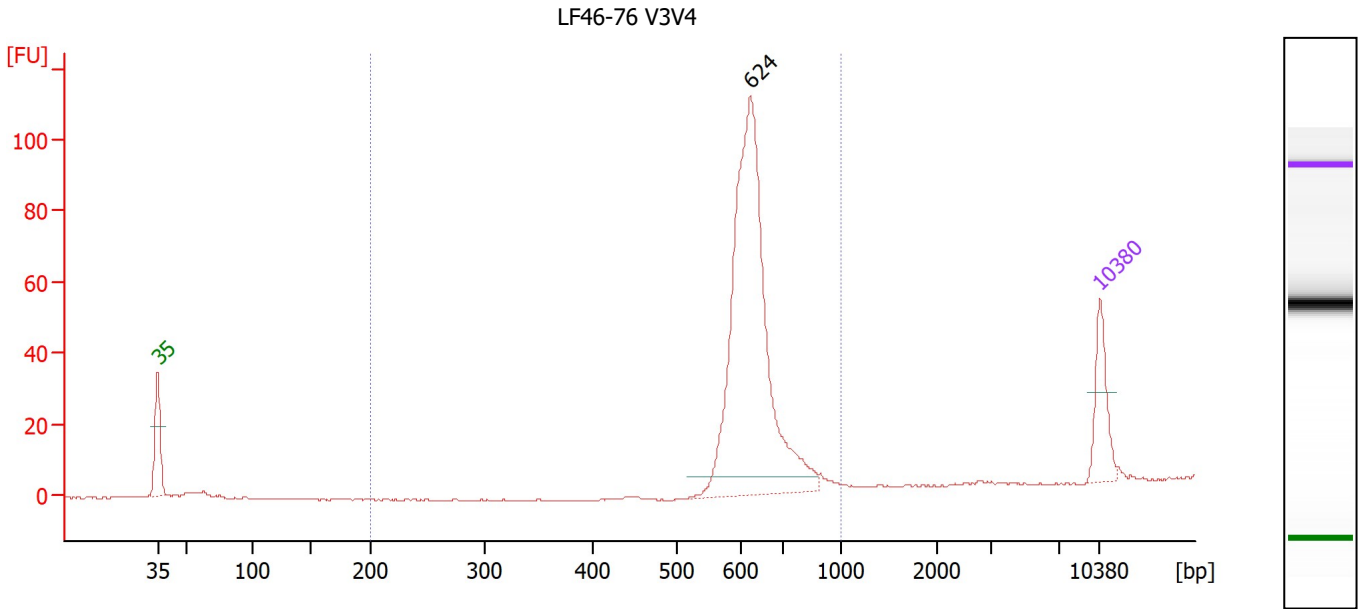
Region table for sample 8 : LF1-45 V3V4

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	312.9	98	640	8.8	606.15	1,445.3	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-11-22_001.xad

Created: 11/22/2024 10:15:50 AM
 Modified: 11/22/2024 11:10:54 AM

Electropherogram Summary Continued ...



Overall Results for sample 9 : LF46-76 V3V4

Number of peaks found: 1 Corr. Area 1: 330.8
 Noise: 0.3

Peak table for sample 9 : LF46-76 V3V4

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	624	812.55	1,971.5	
3	10,380	75.00	10.9	Upper Marker

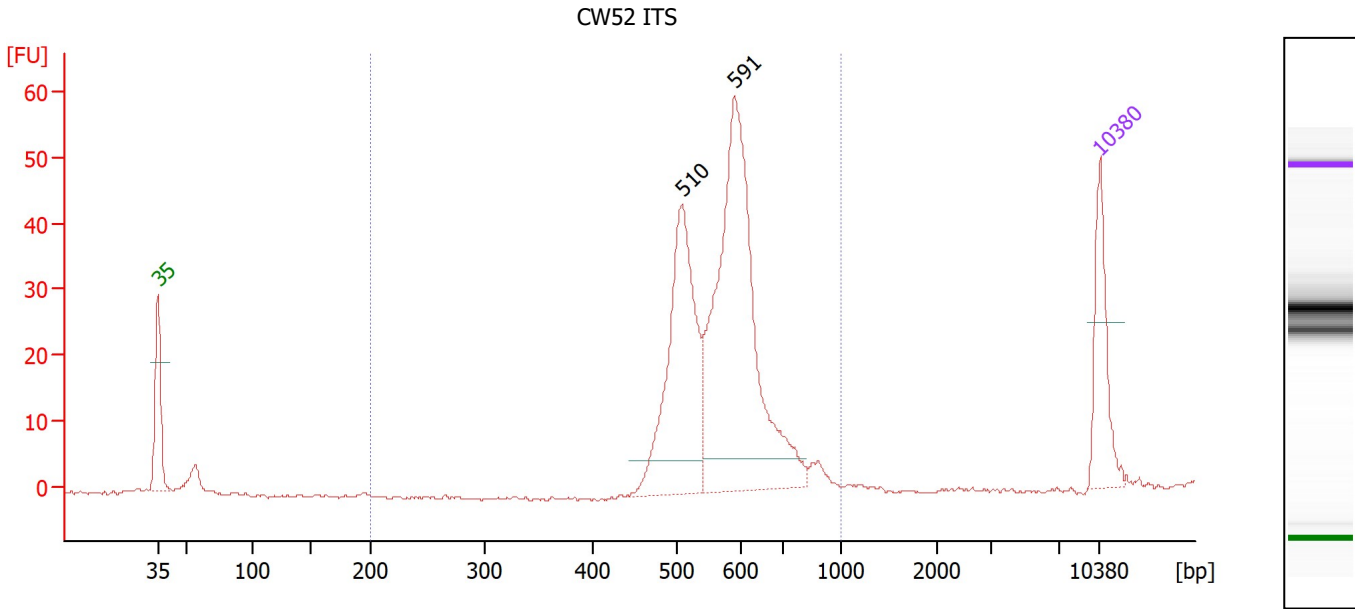
Region table for sample 9 : LF46-76 V3V4

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	330.8	96	633	8.5	762.75	1,835.6	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-11-22_001.xad

Created: 11/22/2024 10:15:50 AM
 Modified: 11/22/2024 11:10:54 AM

Electropherogram Summary Continued ...



Overall Results for sample 10 : CW52 ITS

Number of peaks found: 2 Corr. Area 1: 324.8
 Noise: 0.2

Peak table for sample 10 : CW52 ITS

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	510	298.36	886.5	
3	591	491.42	1,258.8	
4	10,380	75.00	10.9	Upper Marker

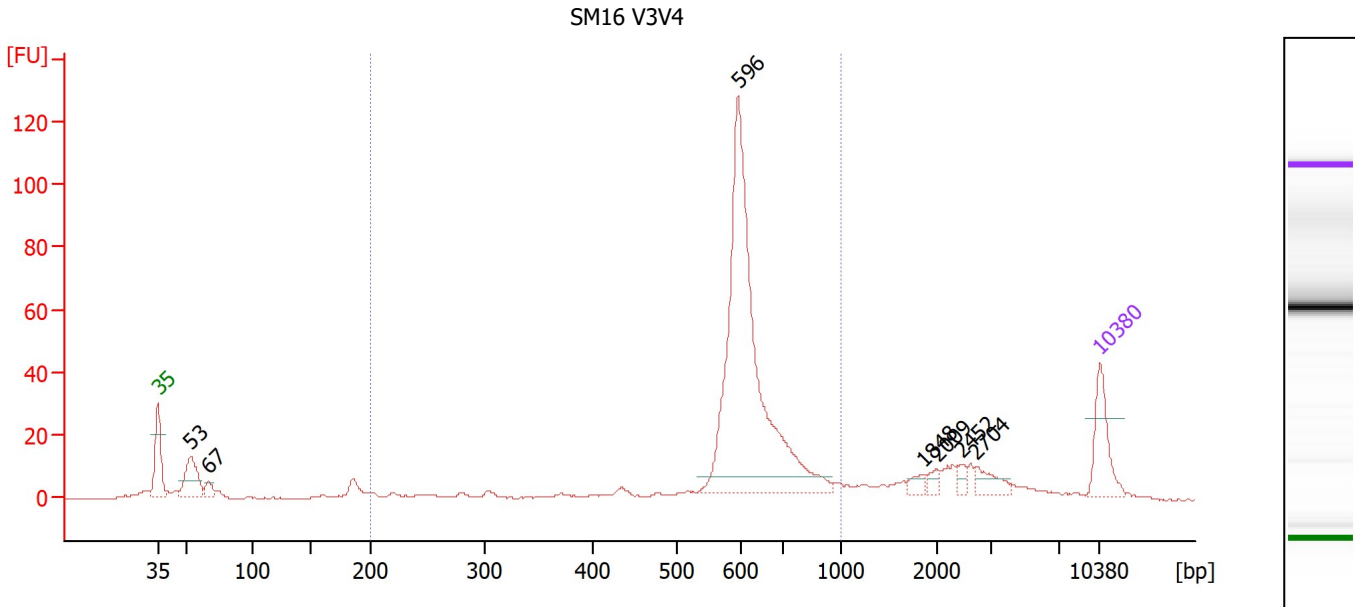
Region table for sample 10 : CW52 ITS

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	324.8	98	577	12.4	767.77	2,048.4	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-11-22_001.xad

Created: 11/22/2024 10:15:50 AM
 Modified: 11/22/2024 11:10:54 AM

Electropherogram Summary Continued ...



Overall Results for sample 11 : SM16 V3V4

Number of peaks found: 7 Corr. Area 1: 376.1
 Noise: 0.3

Peak table for sample 11 : SM16 V3V4

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	53	110.98	3,161.1	
3	67	26.88	611.7	
4	596	803.89	2,043.0	
5	1,848	14.35	11.8	
6	2,009	13.51	10.2	
7	2,452	12.05	7.4	
8	2,704	31.19	17.5	
9	10,380	75.00	10.9	Upper Marker

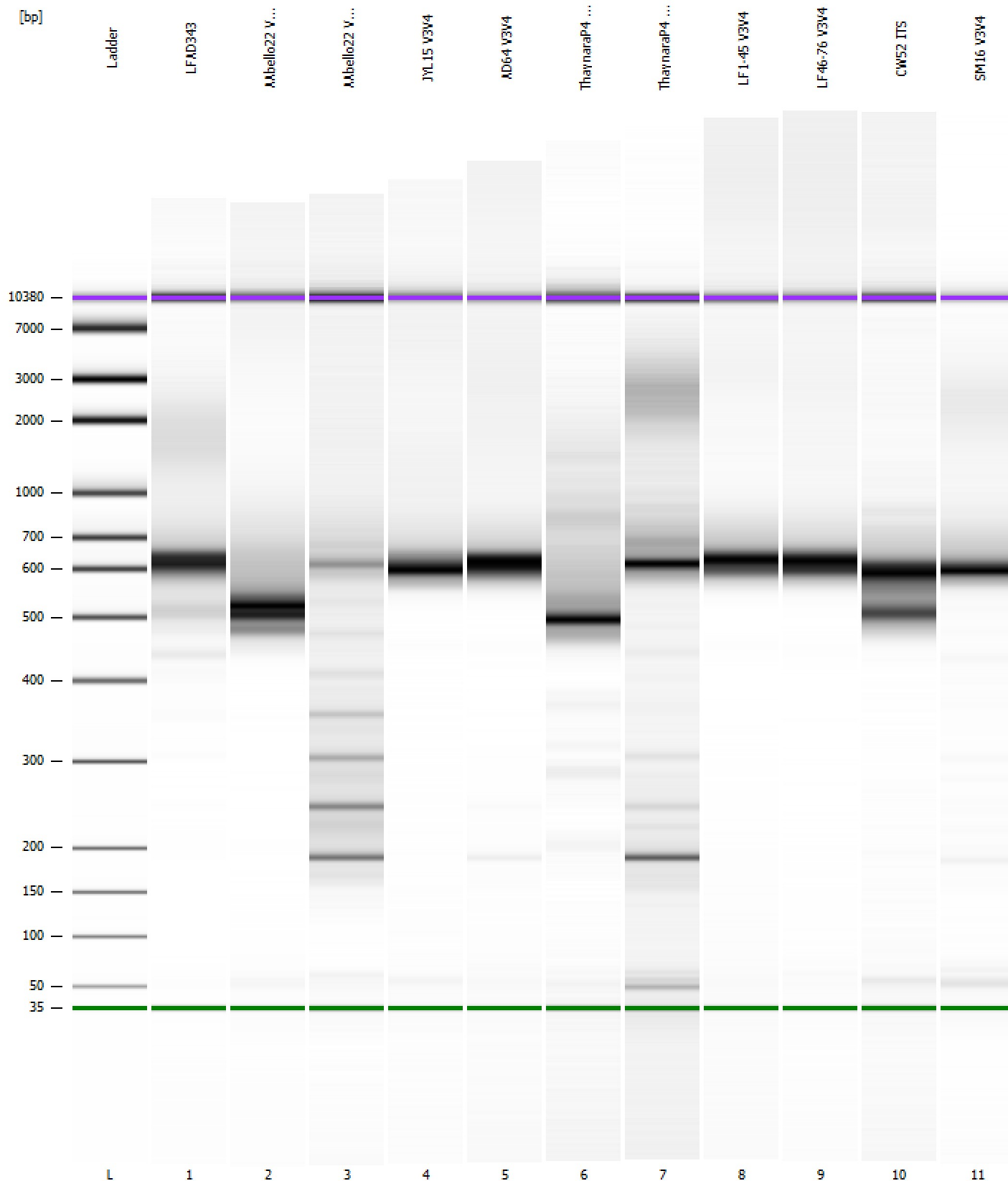
Region table for sample 11 : SM16 V3V4

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	376.1	71	622	16.4	935.13	2,411.4	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-11-22_001.xad

Created: 11/22/2024 10:15:50 AM
 Modified: 11/22/2024 11:10:54 AM

Gel Image



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-11-22_001.xad

Created: 11/22/2024 10:15:50 AM
 Modified: 11/22/2024 11:10:54 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		11/22/2024 10:57:13 AM	(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\2024-11-22\Bioanalyzer1_High Sensitivity DNA Assay_DE34903152_2024-11-22_001.xad)		Instrument	Run		11/22/2024 10:15:58 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		11/22/2024 10:15:58 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		11/22/2024 10:15:58 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		11/22/2024 10:15:58 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		11/22/2024 10:15:58 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		11/22/2024 10:15:58 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		11/22/2024 10:15:57 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB