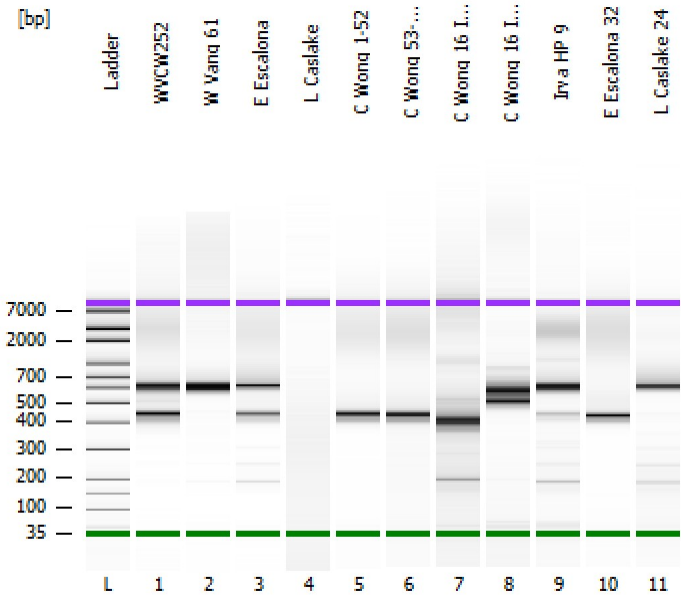


Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-08-29_001.xad

Created: 8/29/2024 11:23:31 AM
 Modified: 8/29/2024 12:04:56 PM

Electrophoresis File Run Summary



Instrument Information:

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

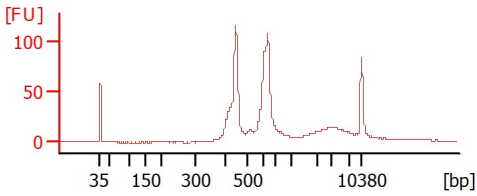
Assay Information:

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

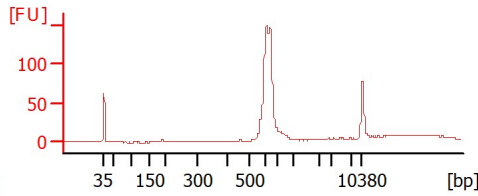
Chip Information:

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

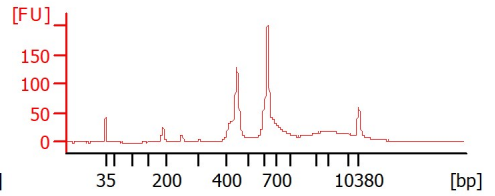
WVCW252



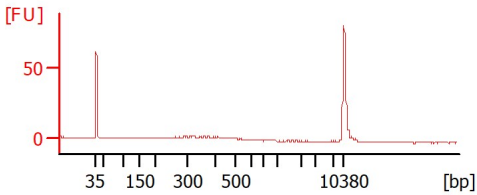
W Vang 61



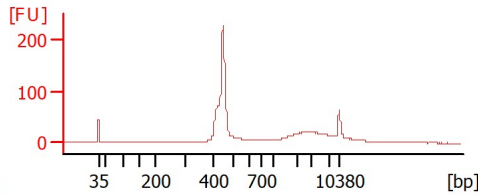
E Escalona



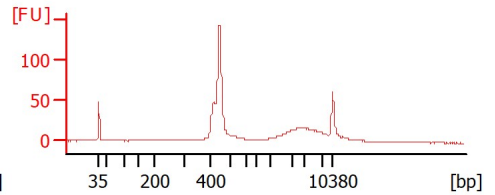
L Caslake



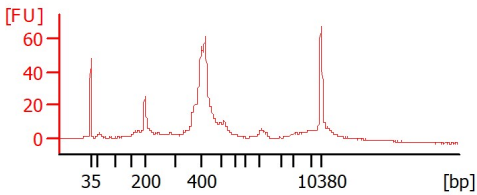
C Wong 1-52



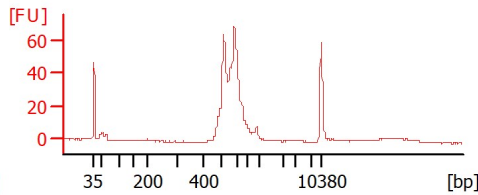
C Wong 53-103



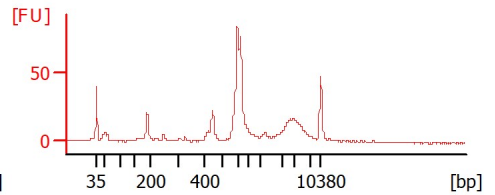
C Wong 16 ITS1



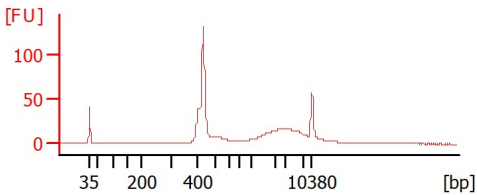
C Wong 16 ITS 5.8s



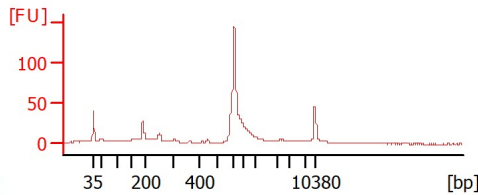
Irva HP 9



E Escalona 32



L Caslake 24



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-08-29_001.xad

Created: 8/29/2024 11:23:31 AM
 Modified: 8/29/2024 12:04:56 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
WVCW252		<input type="checkbox"/>	✓			
W Vang 61		<input type="checkbox"/>	✓			
E Escalona		<input type="checkbox"/>	✓			
L Caslake		<input type="checkbox"/>	✓			
C Wong 1-52		<input type="checkbox"/>	✓			
C Wong 53-103		<input type="checkbox"/>	✓			
C Wong 16 ITS1		<input type="checkbox"/>	✓			
C Wong 16 ITS 5.8s		<input type="checkbox"/>	✓			
Irva HP 9		<input type="checkbox"/>	✓			
E Escalona 32		<input type="checkbox"/>	✓			
L Caslake 24		<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_2024-08-29_001.xad

Created: 8/29/2024 11:23:31 AM
 Modified: 8/29/2024 12:04:56 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

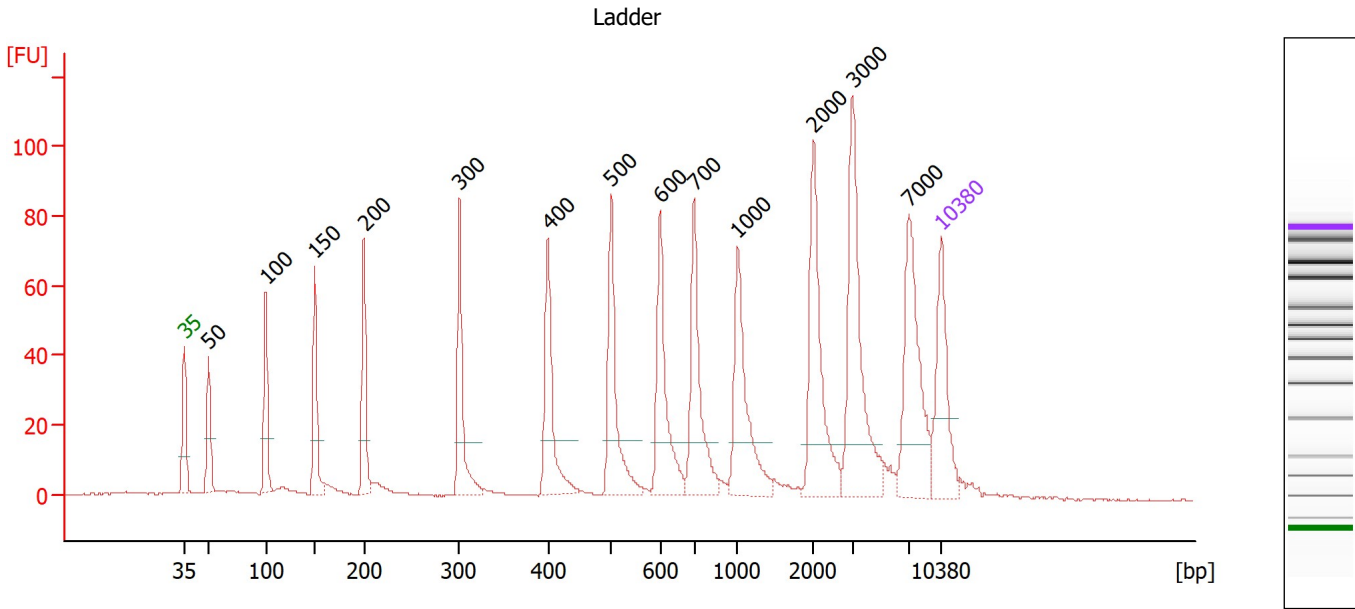
Ladder

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_2024-08-29_001.xad

Created: 8/29/2024 11:23:31 AM
 Modified: 8/29/2024 12:04:56 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

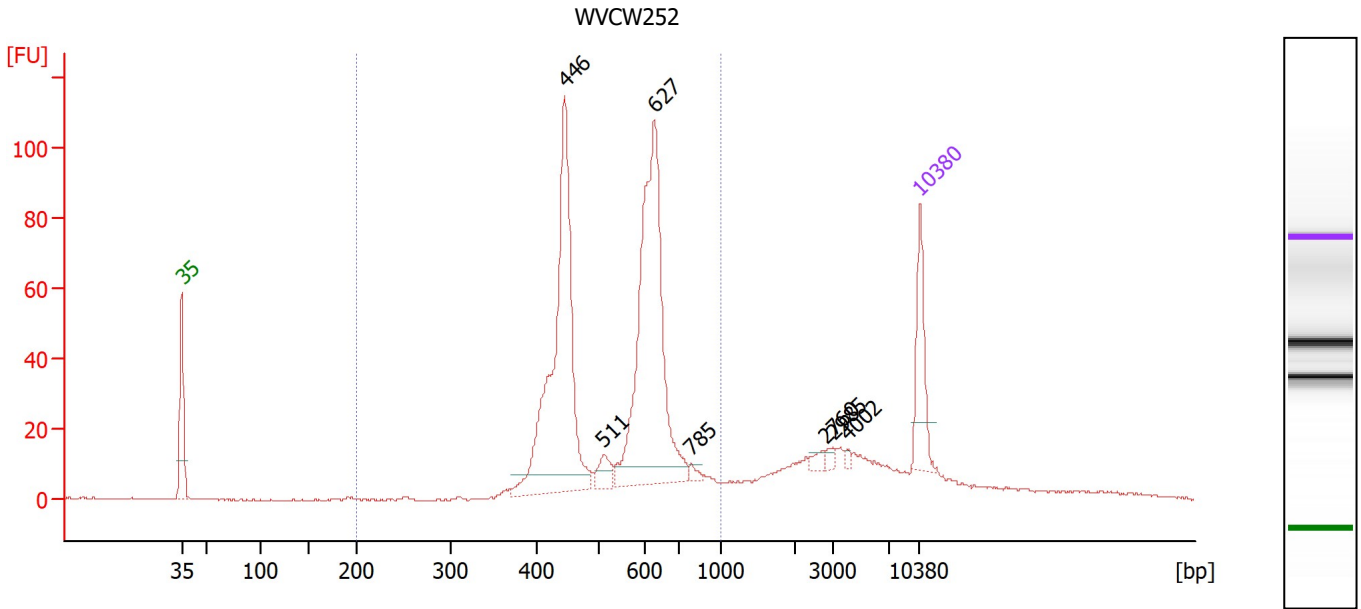
Peak table for Ladder

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_2024-08-29_001.xad

Created: 8/29/2024 11:23:31 AM
 Modified: 8/29/2024 12:04:56 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : WVCW252

Number of peaks found: 7 Corr. Area 1: 669.4
 Noise: 0.3

Peak table for sample 1 : WVCW252

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	446	514.54	1,749.9	
3	511	29.23	86.7	
4	627	502.54	1,213.9	
5	785	8.00	15.4	
6	2,760	9.49	5.2	
7	2,985	6.78	3.4	
8	4,002	4.63	1.8	
9	10,380	75.00	10.9	Upper Marker

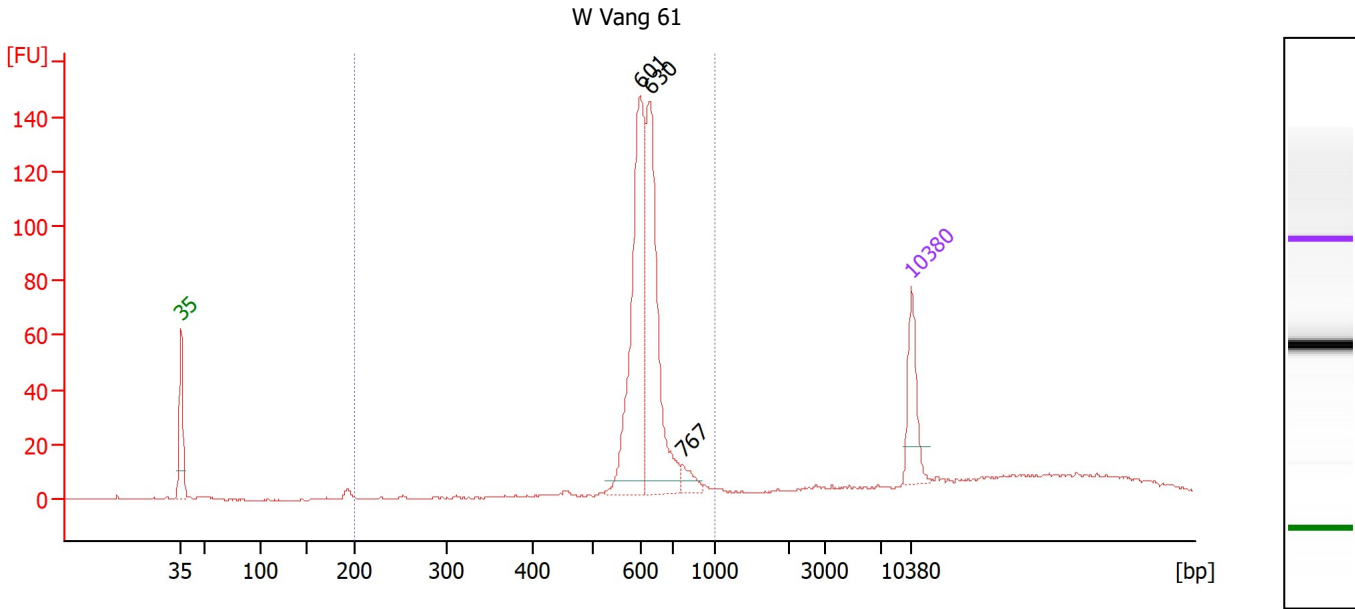
Region table for sample 1 : WVCW252

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	669.4	76	548	20.6	1,199.55	3,511.4	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-08-29_001.xad

Created: 8/29/2024 11:23:31 AM
 Modified: 8/29/2024 12:04:56 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : W Vang 61

Number of peaks found: 3 Corr. Area 1: 483.4
 Noise: 0.3

Peak table for sample 2 : W Vang 61

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	601	395.82	998.4	
3	630	347.86	836.8	
4	767	25.74	50.8	
5	10,380	75.00	10.9	Upper Marker

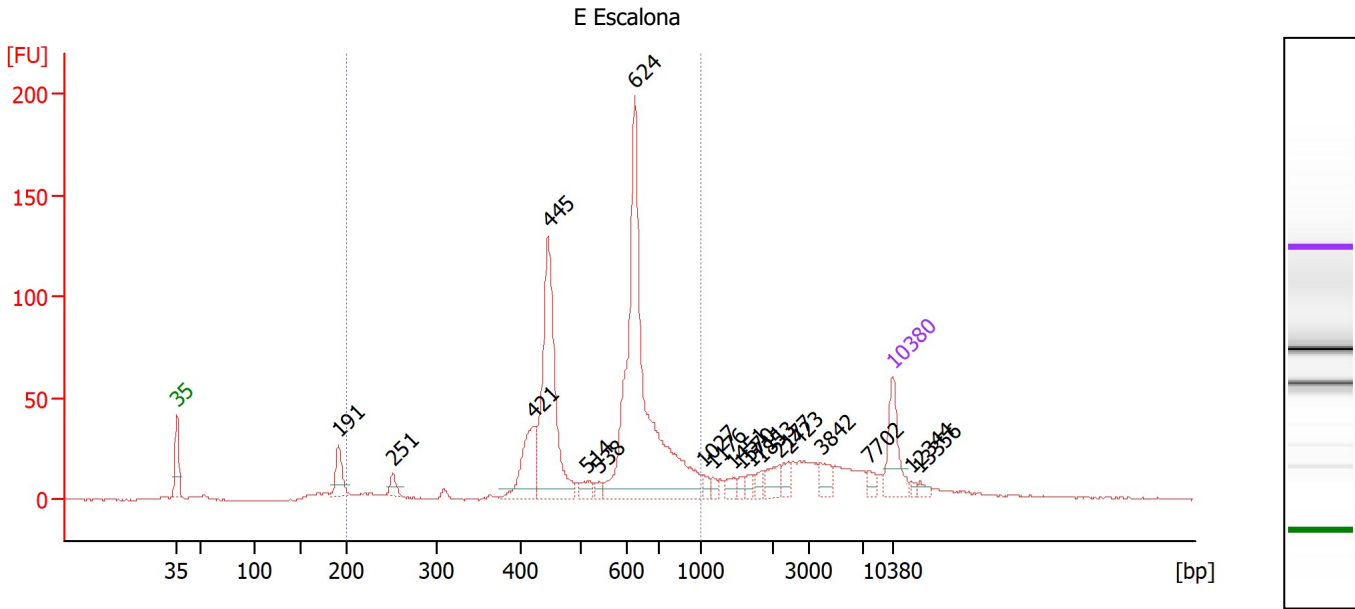
Region table for sample 2 : W Vang 61

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	483.4	82	626	9.0	778.91	1,899.8	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-08-29_001.xad

Created: 8/29/2024 11:23:31 AM
 Modified: 8/29/2024 12:04:56 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : E Escalona

Number of peaks found: 19 Corr. Area 1: 806.0
 Noise: 0.2

Peak table for sample 3 : E Escalona

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	191	67.45	535.5	
3	251	25.44	153.7	
4	421	125.83	453.0	
5	445	399.89	1,362.0	
6	514	25.05	73.9	
7	538	13.25	37.3	
8	624	701.24	1,701.6	
9	1,027	13.50	19.9	
10	1,176	9.61	12.4	
11	1,451	15.16	15.8	
12	1,570	9.61	9.3	
13	1,711	12.62	11.2	
14	1,853	13.31	10.9	
15	2,177	29.40	20.5	
16	2,423	18.60	11.6	
17	3,842	24.64	9.7	
18	7,702	13.32	2.6	
19	10,380	75.00	10.9	Upper Marker
20	12,344	0.00	0.0	
21	13,356	0.00	0.0	

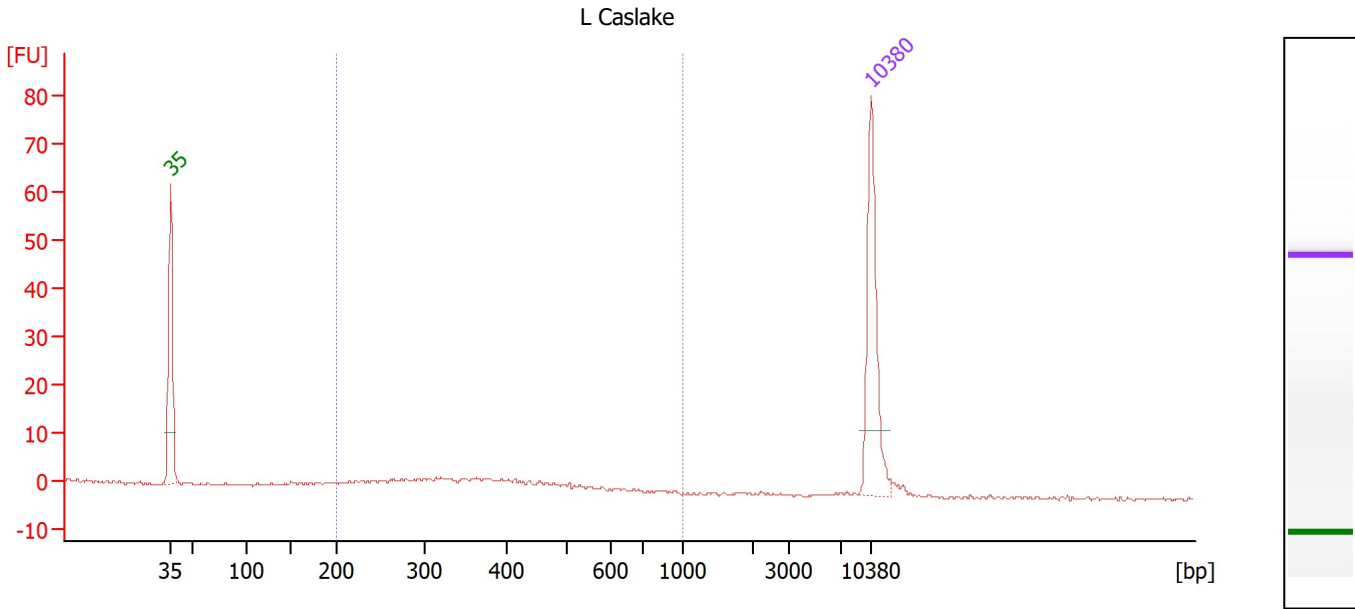
Region table for sample 3 : E Escalona

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	806.0	71	566	25.3	1,346.38	4,036.3	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-08-29_001.xad

Created: 8/29/2024 11:23:31 AM
 Modified: 8/29/2024 12:04:56 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : L Caslake

Number of peaks found: 0 Corr. Area 1: 35.7
 Noise: 0.2

Peak table for sample 4 : L Caslake

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

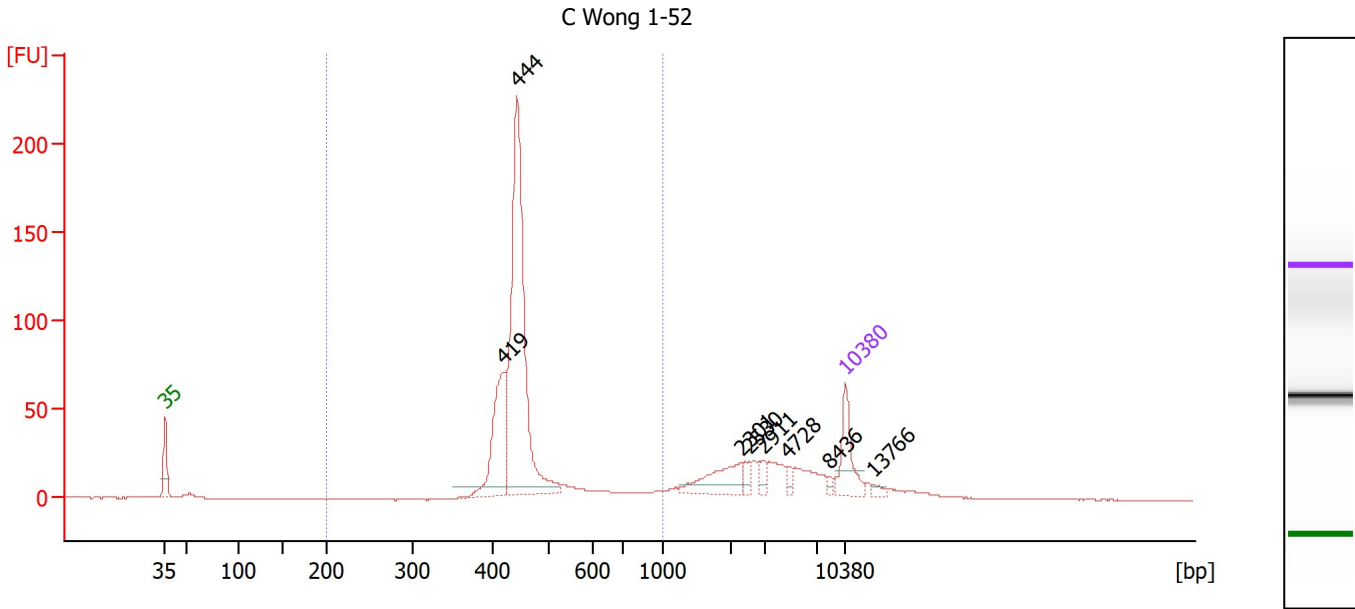
Region table for sample 4 : L Caslake

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	35.7	89	354	22.6	52.97	244.0	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-08-29_001.xad

Created: 8/29/2024 11:23:31 AM
 Modified: 8/29/2024 12:04:56 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : C Wong 1-52

Number of peaks found: 8 Corr. Area 1: 639.4
 Noise: 0.2

Peak table for sample 5 : C Wong 1-52

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	419	212.64	769.1	
3	444	685.62	2,338.9	
4	2,301	79.20	52.1	
5	2,530	19.04	11.4	
6	2,911	18.08	9.4	
7	4,728	13.37	4.3	
8	8,436	7.70	1.4	
9	10,380	75.00	10.9	Upper Marker
10	13,766	0.00	0.0	

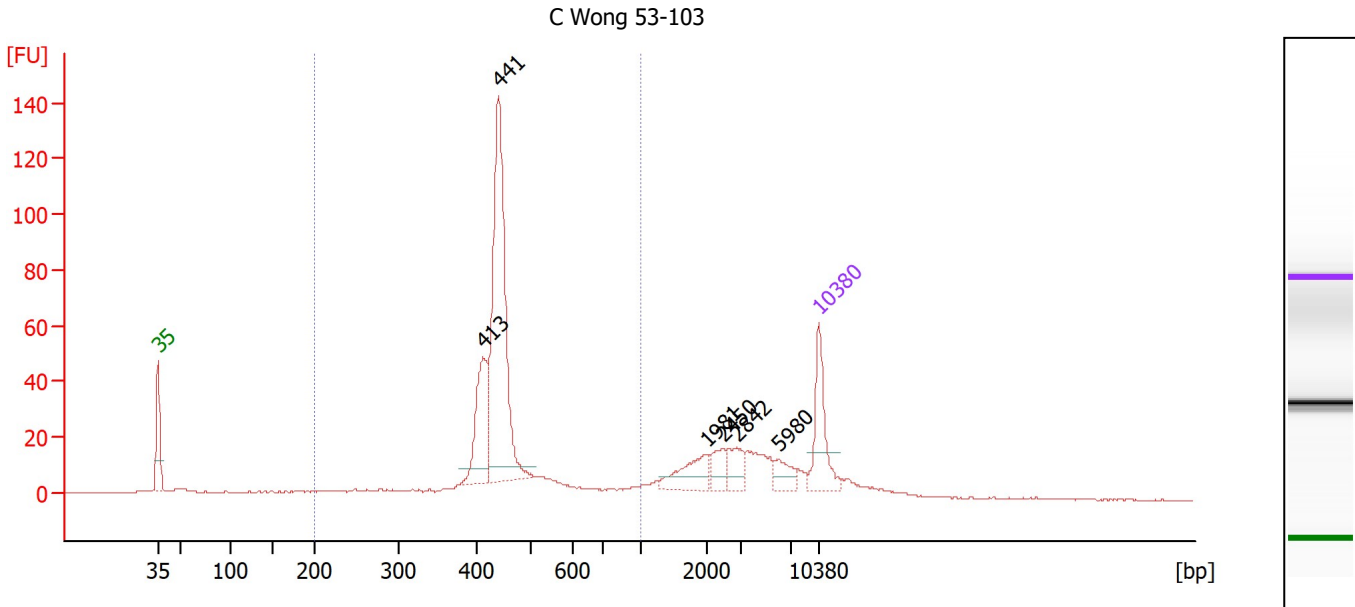
Region table for sample 5 : C Wong 1-52

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	639.4	67	462	18.0	1,013.32	3,405.4	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-08-29_001.xad

Created: 8/29/2024 11:23:31 AM
 Modified: 8/29/2024 12:04:56 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : C Wong 53-103

Number of peaks found: 6 Corr. Area 1: 467.2
 Noise: 0.3

Peak table for sample 6 : C Wong 53-103

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	413	132.23	485.1	
3	441	436.01	1,498.3	
4	1,981	51.58	39.4	
5	2,450	28.12	17.4	
6	2,842	32.14	17.1	
7	5,980	27.66	7.0	
8	10,380	75.00	10.9	Upper Marker

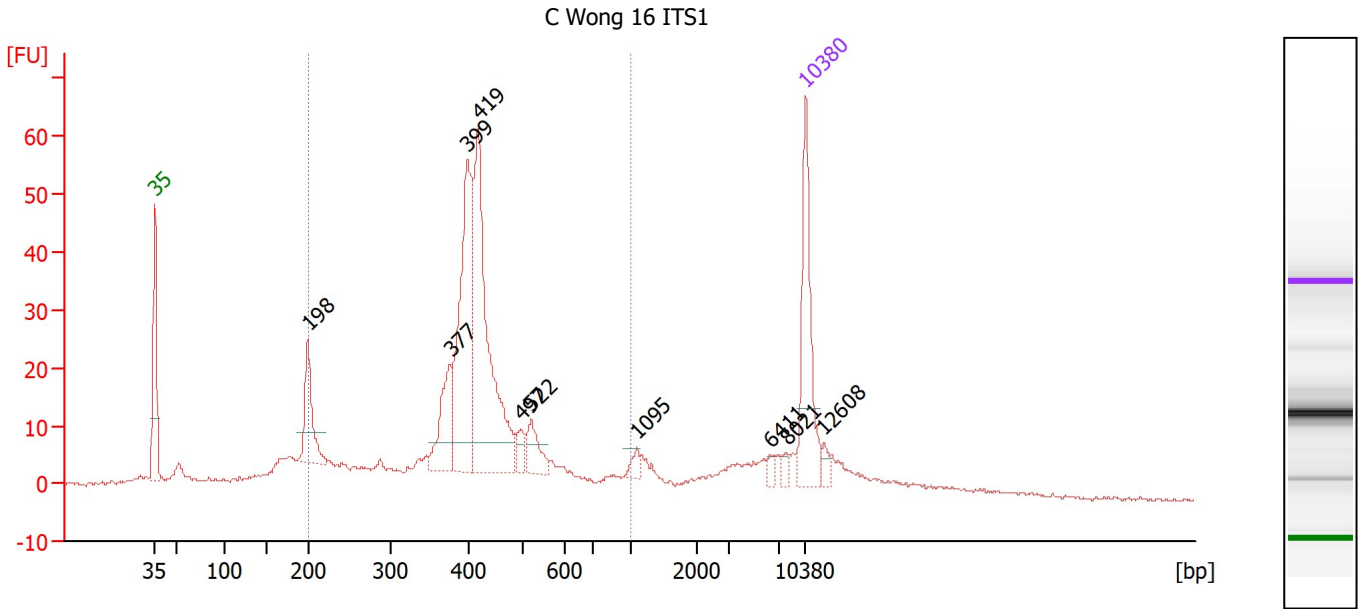
Region table for sample 6 : C Wong 53-103

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	467.2	64	451	21.0	799.48	2,823.0	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-08-29_001.xad

Created: 8/29/2024 11:23:31 AM
 Modified: 8/29/2024 12:04:56 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : C Wong 16 ITS1

Number of peaks found: 10 Corr. Area 1: 460.4
 Noise: 0.3

Peak table for sample 7 : C Wong 16 ITS1

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	198	63.48	486.7	
3	377	57.46	231.1	
4	399	180.61	685.7	
5	419	217.71	786.9	
6	497	14.38	43.8	
7	522	25.85	75.0	
8	1,095	7.84	10.8	
9	6,411	4.63	1.1	
10	8,021	5.51	1.0	
11	10,380	75.00	10.9	Upper Marker
12	12,608	0.00	0.0	

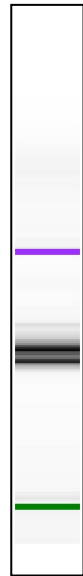
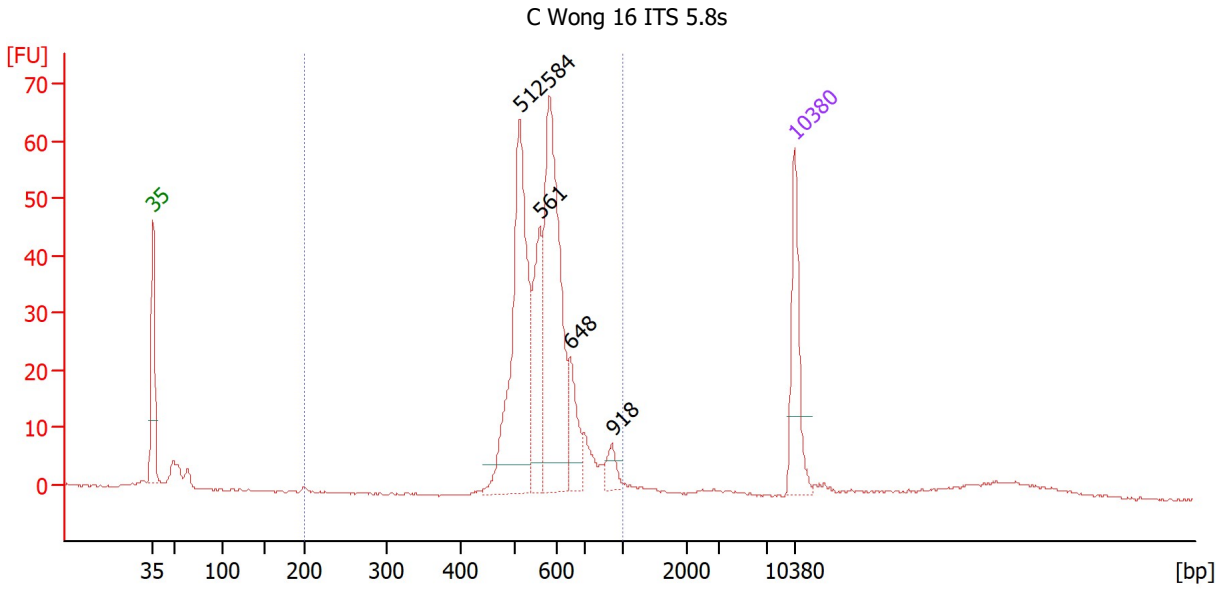
Region table for sample 7 : C Wong 16 ITS1

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	460.4	68	418	27.9	795.14	3,207.9	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-08-29_001.xad

Created: 8/29/2024 11:23:31 AM
 Modified: 8/29/2024 12:04:56 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : C Wong 16 ITS 5.8s

Number of peaks found: 5 Corr. Area 1: 403.8
 Noise: 0.2

Peak table for sample 8 : C Wong 16 ITS 5.8s

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	512	310.83	920.6	
3	561	114.29	308.8	
4	584	289.95	752.0	
5	648	52.56	123.0	
6	918	18.41	30.4	
7	10,380	75.00	10.9	Upper Marker

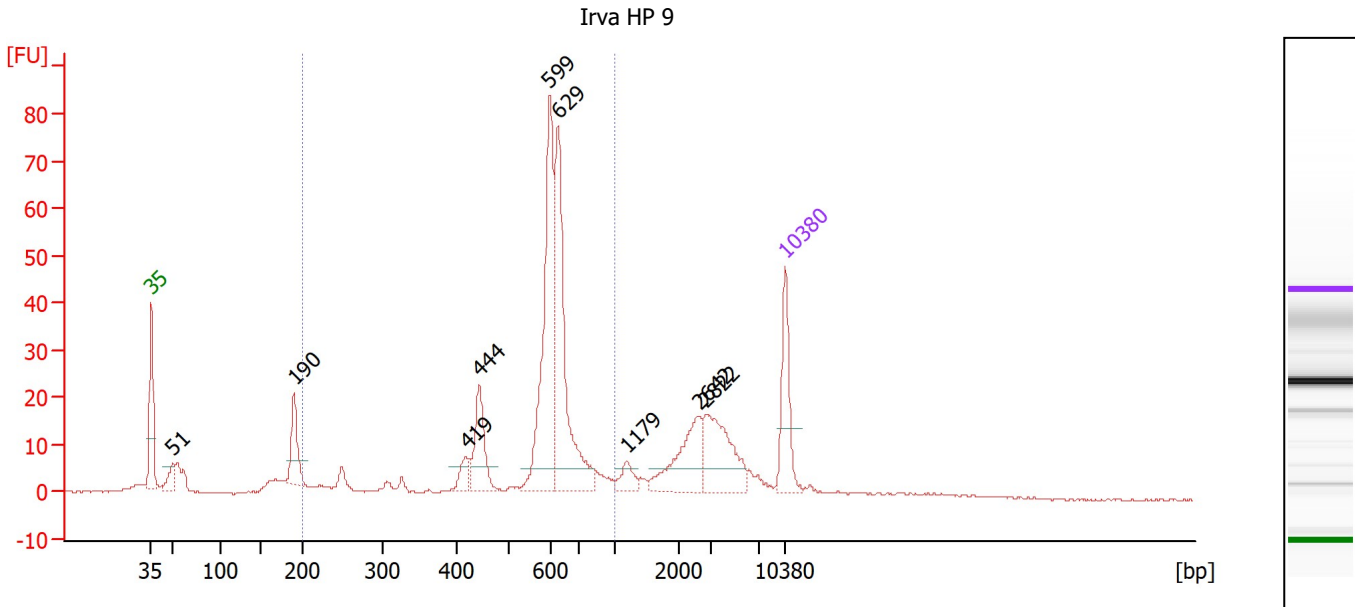
Region table for sample 8 : C Wong 16 ITS 5.8s

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	403.8	88	580	14.8	810.77	2,161.0	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-08-29_001.xad

Created: 8/29/2024 11:23:31 AM
 Modified: 8/29/2024 12:04:56 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : Irva HP 9

Number of peaks found: 9 Corr. Area 1: 331.4
 Noise: 0.2

Peak table for sample 9 : Irva HP 9

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	51	36.31	1,082.6	
3	190	82.18	655.2	
4	419	26.01	94.1	
5	444	86.84	296.6	
6	599	286.24	723.5	
7	629	276.76	666.6	
8	1,179	22.83	29.4	
9	2,642	89.82	51.5	
10	2,822	105.66	56.7	
11	10,380	75.00	10.9	Upper Marker

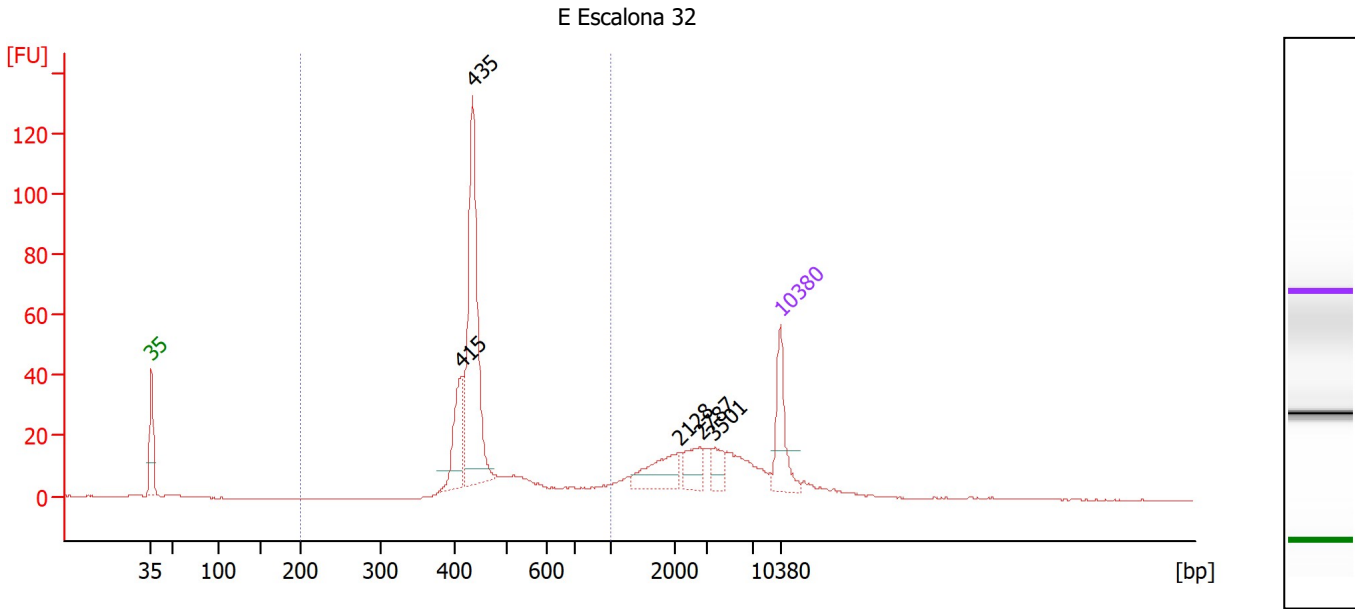
Region table for sample 9 : Irva HP 9

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	331.4	59	578	22.4	850.79	2,531.9	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-08-29_001.xad

Created: 8/29/2024 11:23:31 AM
 Modified: 8/29/2024 12:04:56 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : E Escalona 32

Number of peaks found: 5 Corr. Area 1: 337.2
 Noise: 0.2

Peak table for sample 10 : E Escalona 32

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	415	107.51	392.5	
3	435	376.67	1,311.3	
4	2,128	65.53	46.7	
5	2,787	44.87	24.4	
6	3,501	27.61	11.9	
7	10,380	75.00	10.9	Upper Marker

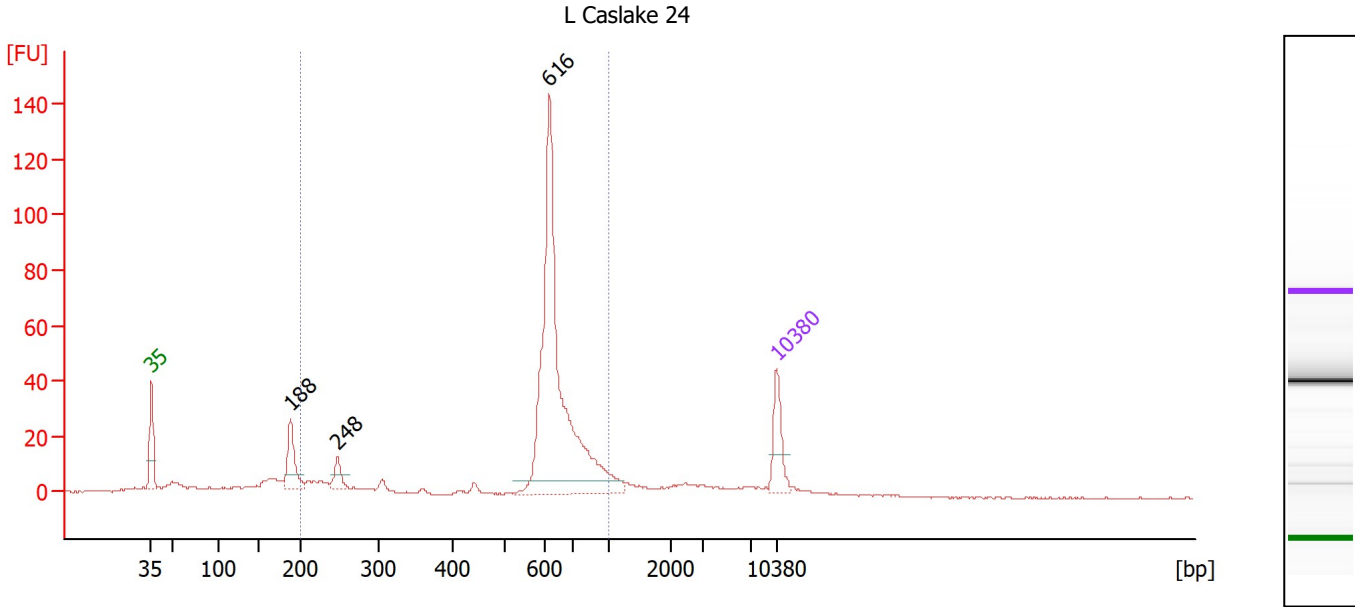
Region table for sample 10 : E Escalona 32

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	337.2	59	473	22.6	683.65	2,278.7	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-08-29_001.xad

Created: 8/29/2024 11:23:31 AM
 Modified: 8/29/2024 12:04:56 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : L Caslake 24

Number of peaks found: 3 Corr. Area 1: 402.7
 Noise: 0.3

Peak table for sample 11 : L Caslake 24

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	188	118.91	956.1	
3	248	43.73	267.6	
4	616	836.38	2,056.1	
5	10,380	75.00	10.9	Upper Marker

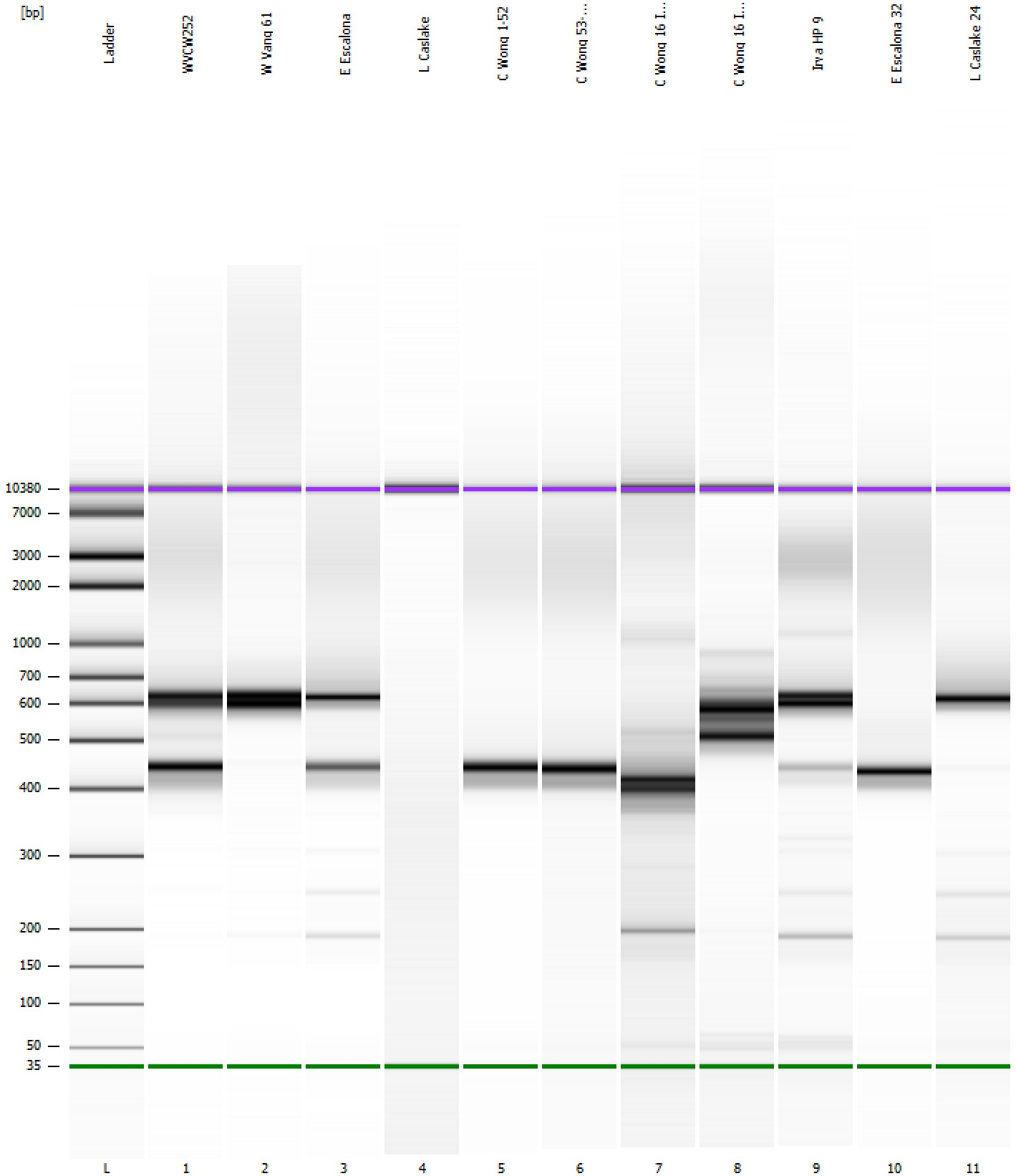
Region table for sample 11 : L Caslake 24

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	402.7	69	611	25.4	1,015.57	3,068.8	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-08-29_001.xad

Created: 8/29/2024 11:23:31 AM
Modified: 8/29/2024 12:04:56 PM

Gel Image



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-08-29_001.xad

Created: 8/29/2024 11:23:31 AM
 Modified: 8/29/2024 12:04:56 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		8/29/2024 12:04:51 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\2024-08-29\Bioanalyzer1_High Sensitivity DNA Assay_DE34903152_2024-08-29_001.xad)		Instrument	Run		8/29/2024 11:23:37 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		8/29/2024 11:23:37 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		8/29/2024 11:23:37 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		8/29/2024 11:23:37 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		8/29/2024 11:23:37 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		8/29/2024 11:23:37 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		8/29/2024 11:23:37 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB