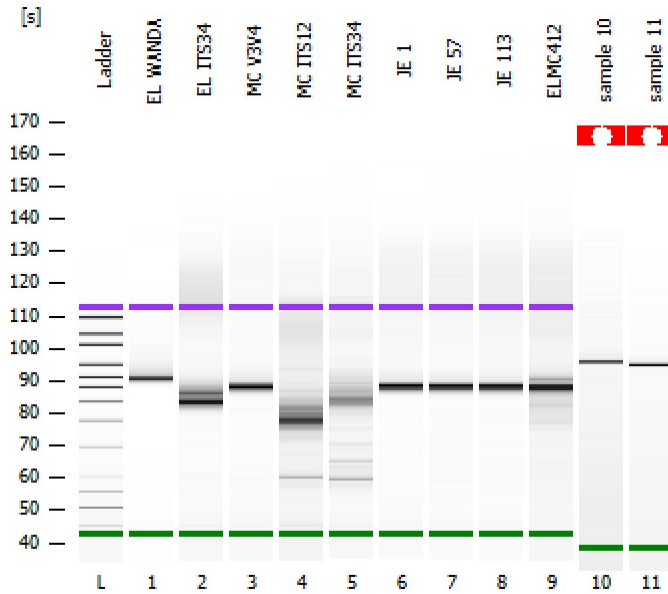


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-04-17_002.xad

Created: 4/17/2024 9:17:18 AM
Modified: 4/17/2024 10:10:29 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

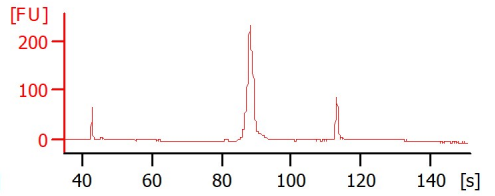
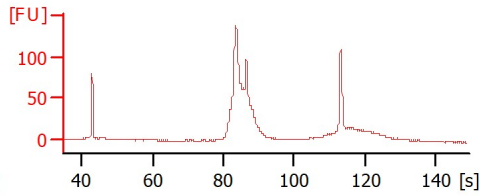
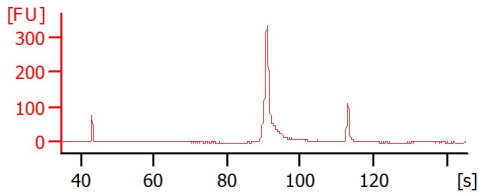
Chip Information:

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

EL WANDA

EL ITS34

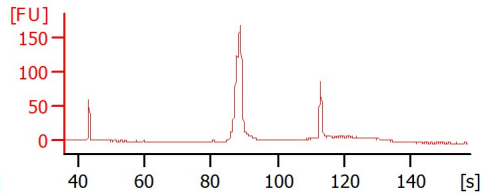
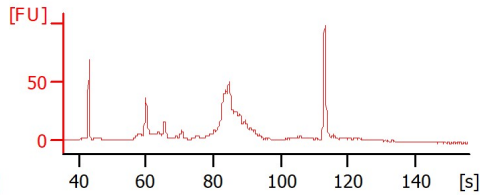
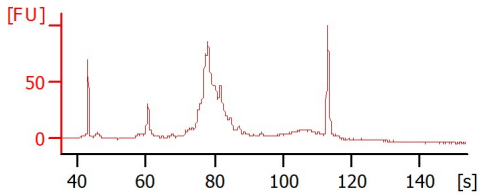
MC V3V4



MC ITS12

MC ITS34

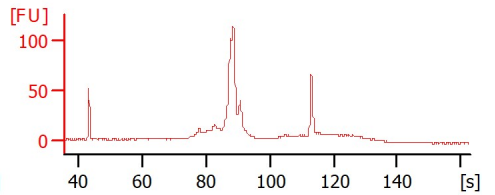
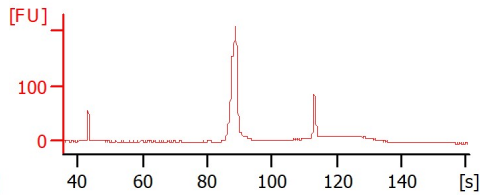
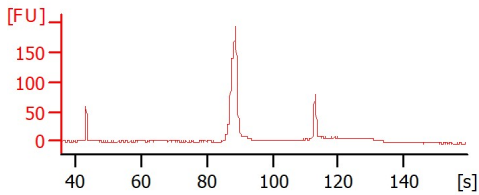
JE 1



JE 57

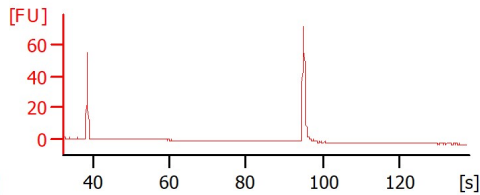
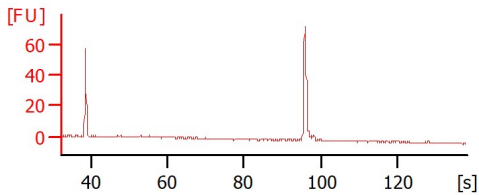
JE 113

ELMC412



sample 10

sample 11



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-04-17_002.xad

Created: 4/17/2024 9:17:18 AM
 Modified: 4/17/2024 10:10:29 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
EL WANDA		<input type="checkbox"/>	✓			
EL ITS34		<input type="checkbox"/>	✓			
MC V3V4		<input type="checkbox"/>	✓			
MC ITS12		<input type="checkbox"/>	✓			
MC ITS34		<input type="checkbox"/>	✓			
JE 1		<input type="checkbox"/>	✓			
JE 57		<input type="checkbox"/>	✓			
JE 113		<input type="checkbox"/>	✓			
ELMC412		<input type="checkbox"/>	✓			
sample 10		<input type="checkbox"/>	✓			
sample 11		<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_2024-04-17_002.xad

Created: 4/17/2024 9:17:18 AM
 Modified: 4/17/2024 10:10:29 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

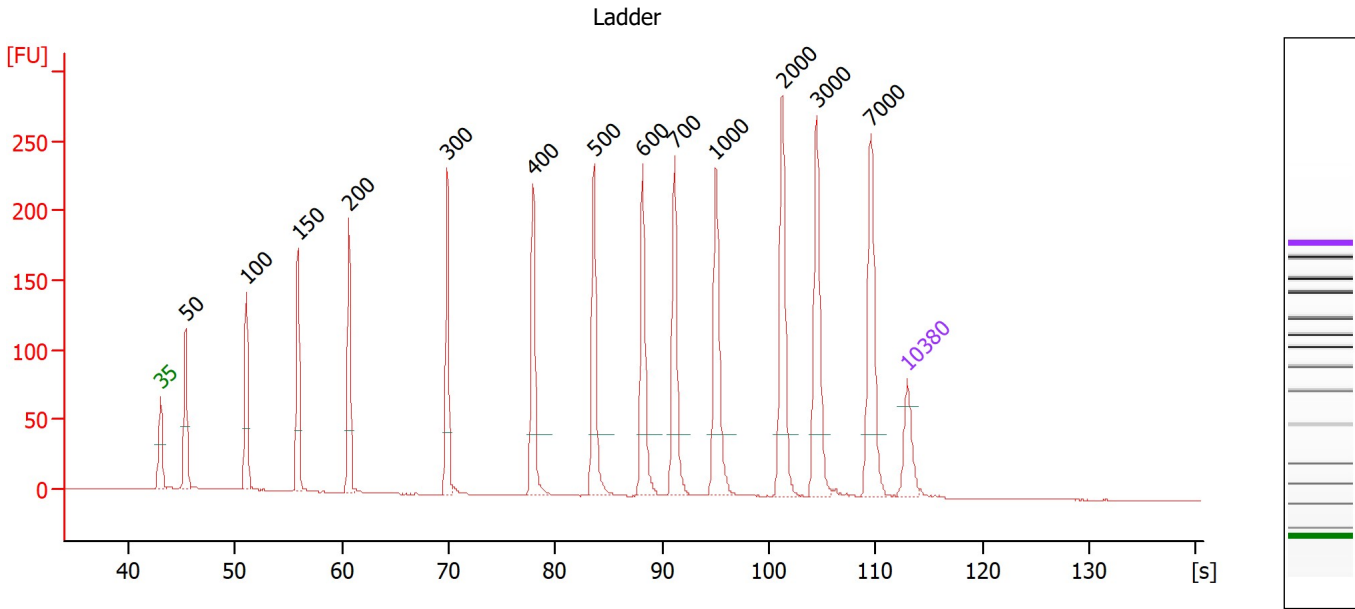
Ladder

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_2024-04-17_002.xad

Created: 4/17/2024 9:17:18 AM
 Modified: 4/17/2024 10:10:29 AM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

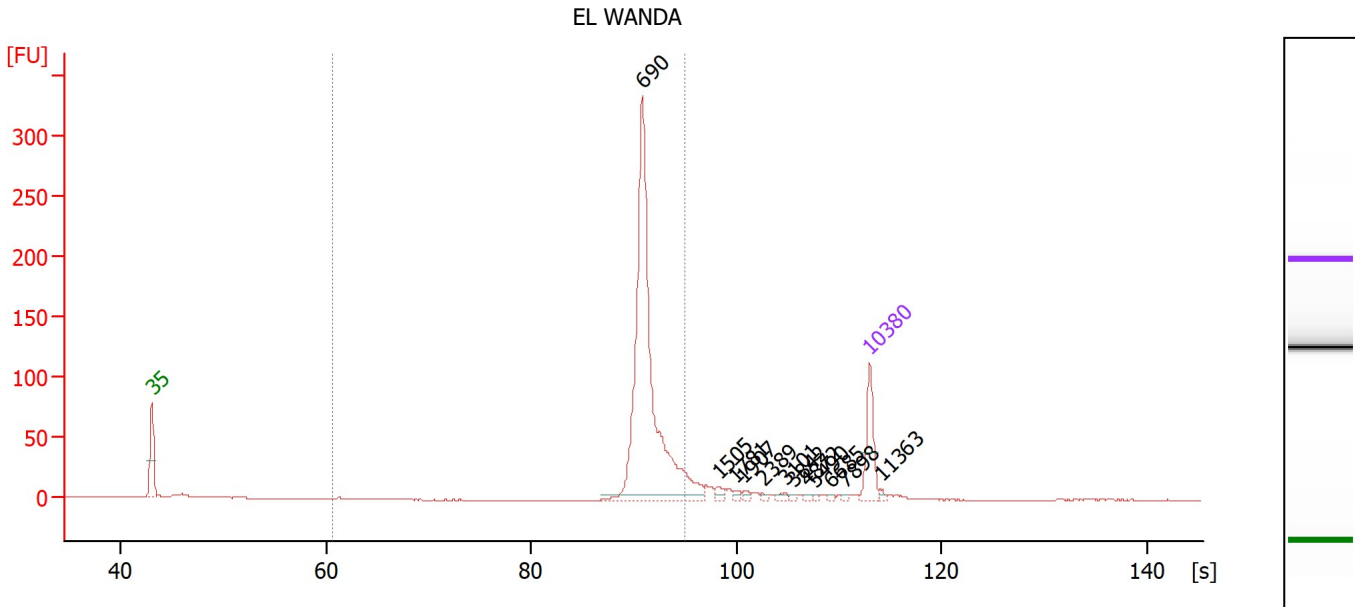
Peak table for Ladder

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_2024-04-17_002.xad

Created: 4/17/2024 9:17:18 AM
 Modified: 4/17/2024 10:10:29 AM

Electropherogram Summary Continued ...



Overall Results for sample 1 : EL WANDA

Number of peaks found: 12 Corr. Area 1: 603.2
 Noise: 0.2

Peak table for sample 1 : EL WANDA

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	690	821.64	1,805.0	
3	1,505	11.00	11.1	
4	1,781	5.57	4.7	
5	1,907	6.39	5.1	
6	2,389	4.24	2.7	
7	3,101	6.72	3.3	
8	3,842	3.47	1.4	
9	4,872	4.33	1.3	
10	5,490	3.00	0.8	
11	6,685	3.72	0.8	
12	7,898	3.63	0.7	
13	10,380	75.00	10.9	Upper Marker
14	11,363	0.00	0.0	

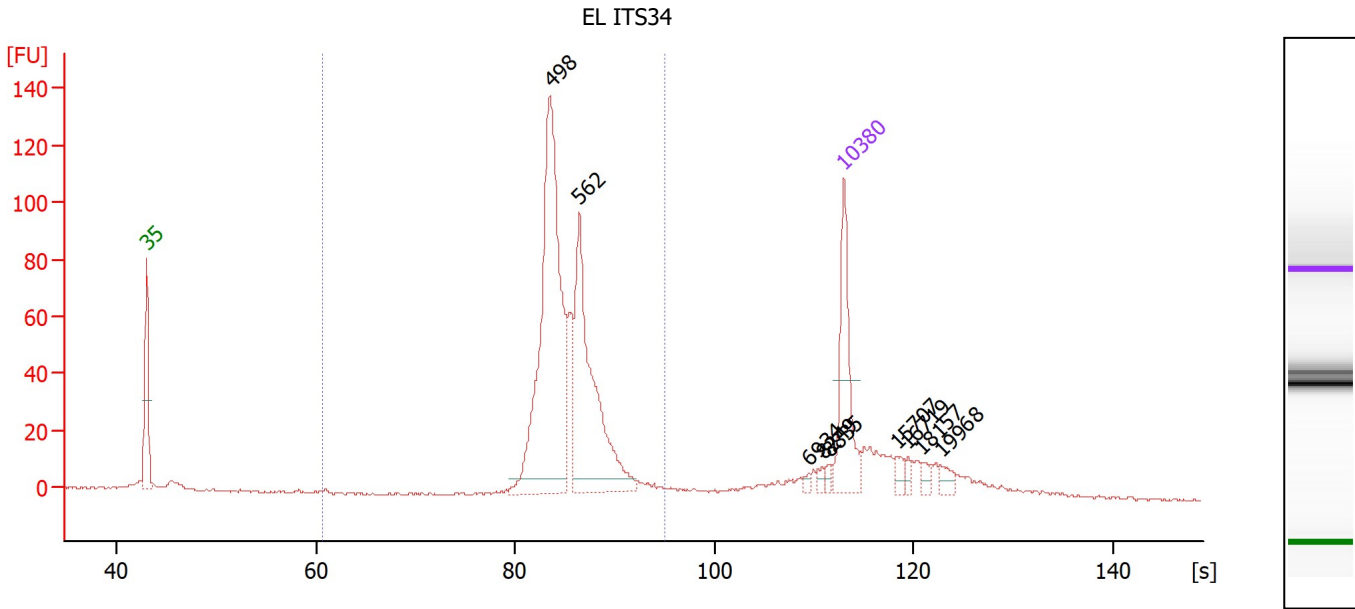
Region table for sample 1 : EL WANDA

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	603.2	81	726	10.9	748.10	1,575.0	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-04-17_002.xad

Created: 4/17/2024 9:17:18 AM
 Modified: 4/17/2024 10:10:29 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 : EL ITS34

Number of peaks found: 9 Corr. Area 1: 661.3
 Noise: 0.4

Peak table for sample 2 : EL ITS34

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	498	372.92	1,134.5	
3	562	215.33	580.2	
4	6,934	3.16	0.7	
5	8,249	4.74	0.9	
6	8,835	4.41	0.8	
7	10,380	75.00	10.9	Upper Marker
8	15,707	0.00	0.0	
9	16,719	0.00	0.0	
10	18,157	0.00	0.0	
11	19,968	0.00	0.0	

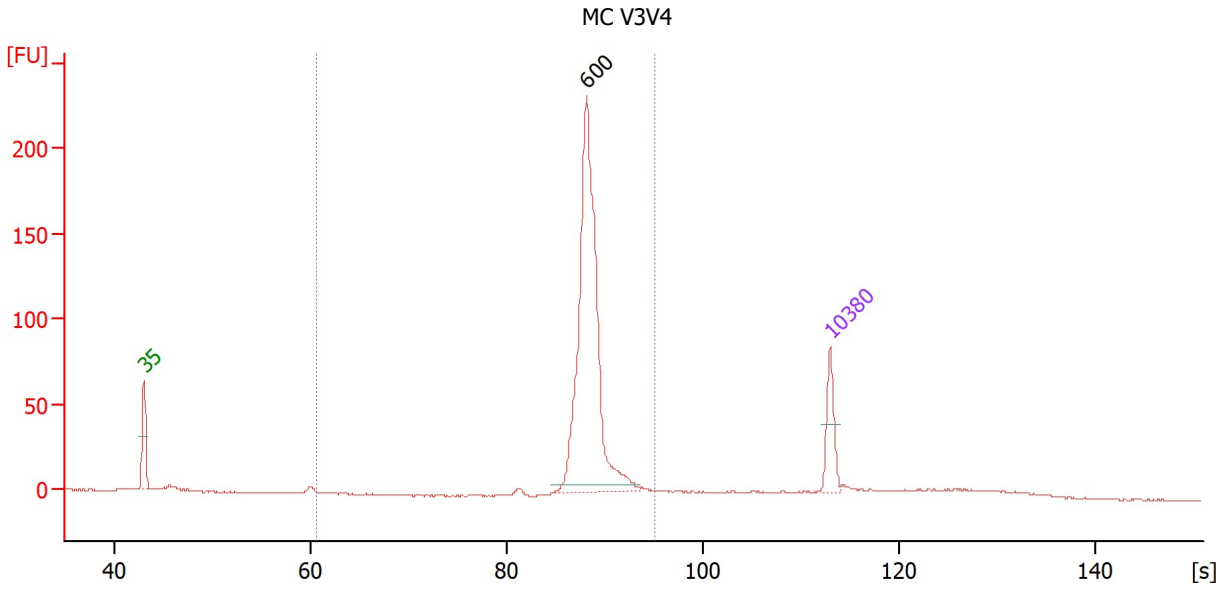
Region table for sample 2 : EL ITS34

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	661.3	75	542	12.7	635.23	1,805.7	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-04-17_002.xad

Created: 4/17/2024 9:17:18 AM
 Modified: 4/17/2024 10:10:29 AM

Electropherogram Summary Continued ...



Overall Results for sample 3 : MC V3V4

Number of peaks found: 1 Corr. Area 1: 568.2
 Noise: 0.3

Peak table for sample 3 : MC V3V4

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	600	807.76	2,040.0	
3	10,380	75.00	10.9	Upper Marker

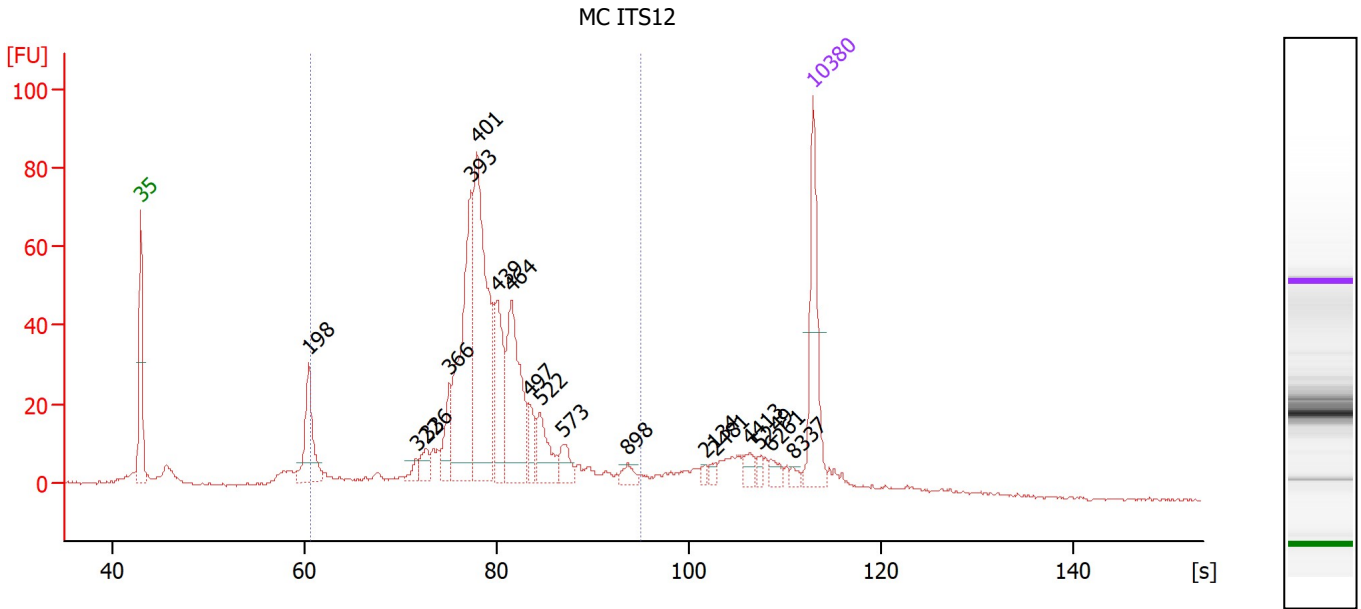
Region table for sample 3 : MC V3V4

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	568.2	78	618	9.5	855.19	2,113.6	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-04-17_002.xad

Created: 4/17/2024 9:17:18 AM
 Modified: 4/17/2024 10:10:29 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : MC ITS12

Number of peaks found: 18 Corr. Area 1: 707.8
 Noise: 0.4

Peak table for sample 4 : MC ITS12

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	198	79.18	605.0	
3	322	9.63	45.2	
4	336	15.85	71.5	
5	366	33.25	137.8	
6	393	173.95	670.1	
7	401	230.83	871.5	
8	439	78.60	271.5	
9	464	127.49	416.1	
10	497	21.85	66.7	
11	522	41.22	119.7	
12	573	18.76	49.6	
13	898	9.38	15.8	
14	2,134	3.76	2.7	
15	2,481	4.84	3.0	
16	4,413	9.71	3.3	
17	5,249	5.27	1.5	
18	6,261	8.32	2.0	
19	8,337	4.35	0.8	
20	10,380	75.00	10.9	Upper Marker

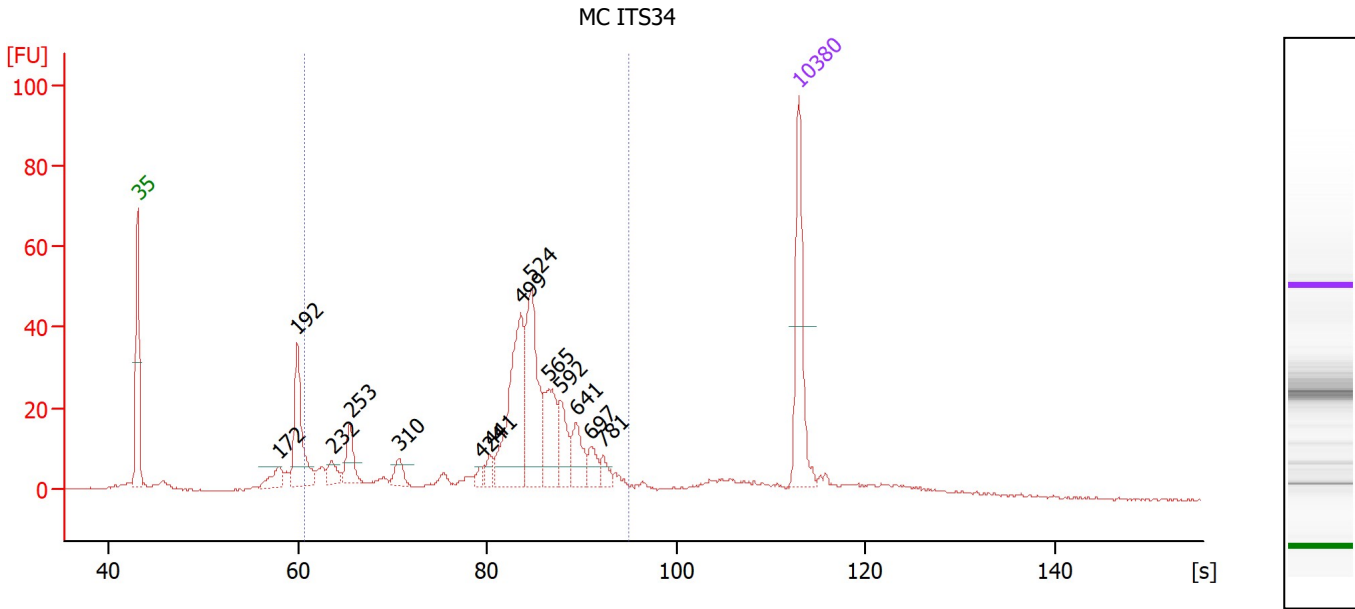
Region table for sample 4 : MC ITS12

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	707.8	76	437	25.9	991.13	3,742.4	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-04-17_002.xad

Created: 4/17/2024 9:17:18 AM
 Modified: 4/17/2024 10:10:29 AM

Electropherogram Summary Continued ...



Overall Results for sample 5 : MC ITS34

Number of peaks found: 14 Corr. Area 1: 451.4
 Noise: 0.3

Peak table for sample 5 : MC ITS34

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	172	24.35	214.3	
3	192	98.47	775.7	
4	232	18.74	122.6	
5	253	33.48	200.9	
6	310	15.89	77.7	
7	424	6.75	24.1	
8	441	11.03	37.9	
9	499	132.25	401.4	
10	524	113.08	327.1	
11	565	55.89	149.9	
12	592	33.30	85.2	
13	641	29.32	69.3	
14	697	16.90	36.7	
15	781	10.91	21.2	
16	10,380	75.00	10.9	Upper Marker

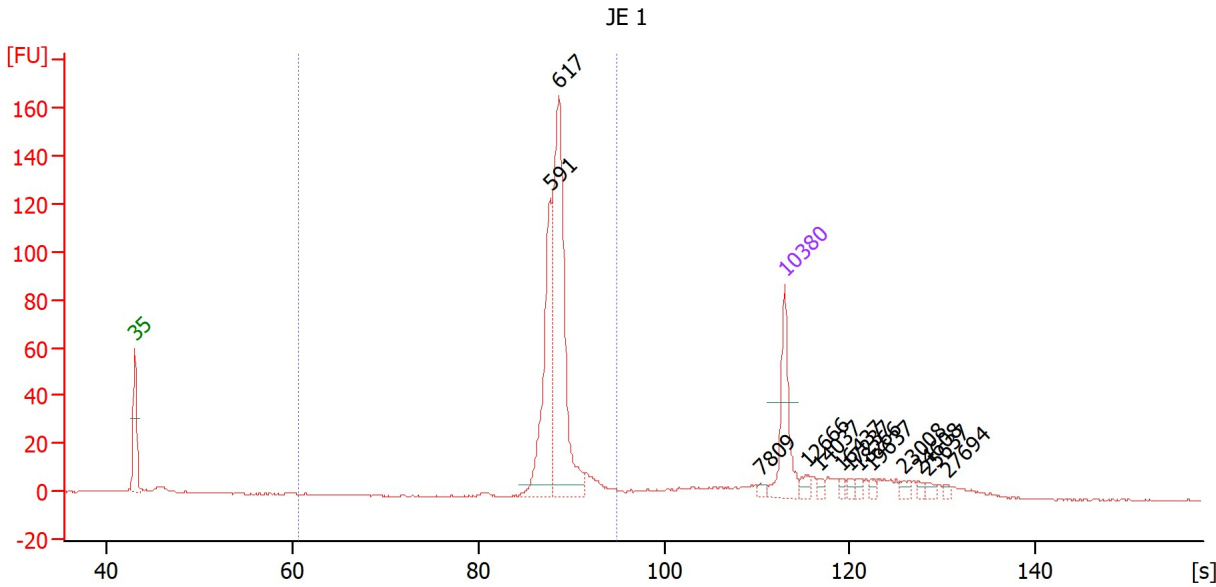
Region table for sample 5 : MC ITS34

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	451.4	73	501	29.3	651.23	2,363.3	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-04-17_002.xad

Created: 4/17/2024 9:17:18 AM
 Modified: 4/17/2024 10:10:29 AM

Electropherogram Summary Continued ...



Overall Results for sample 6 : JE 1

Number of peaks found: 13 Corr. Area 1: 421.2
 Noise: 0.3

Peak table for sample 6 : JE 1

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	591	184.10	472.0	
3	617	312.92	768.1	
4	7,809	5.41	1.1	
5	10,380	75.00	10.9	Upper Marker
6	12,666	0.00	0.0	
7	14,037	0.00	0.0	
8	16,437	0.00	0.0	
9	17,237	0.00	0.0	
10	18,266	0.00	0.0	
11	19,637	0.00	0.0	
12	23,008	0.00	0.0	
13	24,608	0.00	0.0	
14	25,637	0.00	0.0	
15	27,694	0.00	0.0	

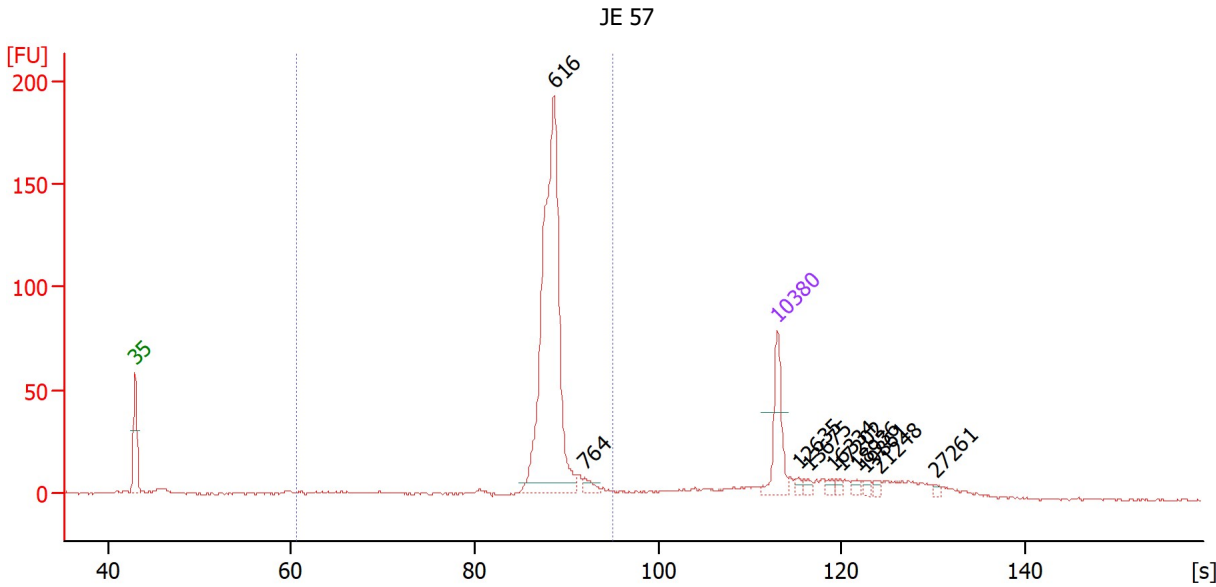
Region table for sample 6 : JE 1

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	421.2	70	619	9.4	523.04	1,290.4	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-04-17_002.xad

Created: 4/17/2024 9:17:18 AM
 Modified: 4/17/2024 10:10:29 AM

Electropherogram Summary Continued ...



Overall Results for sample 7 : JE 57

Number of peaks found: 10 Corr. Area 1: 504.9
 Noise: 0.5

Peak table for sample 7 : JE 57

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	616	612.52	1,507.7	
3	764	12.75	25.3	
4	10,380	75.00	10.9	Upper Marker
5	12,635	0.00	0.0	
6	13,675	0.00	0.0	
7	16,334	0.00	0.0	
8	17,202	0.00	0.0	
9	18,936	0.00	0.0	
10	19,861	0.00	0.0	
11	21,248	0.00	0.0	
12	27,261	0.00	0.0	

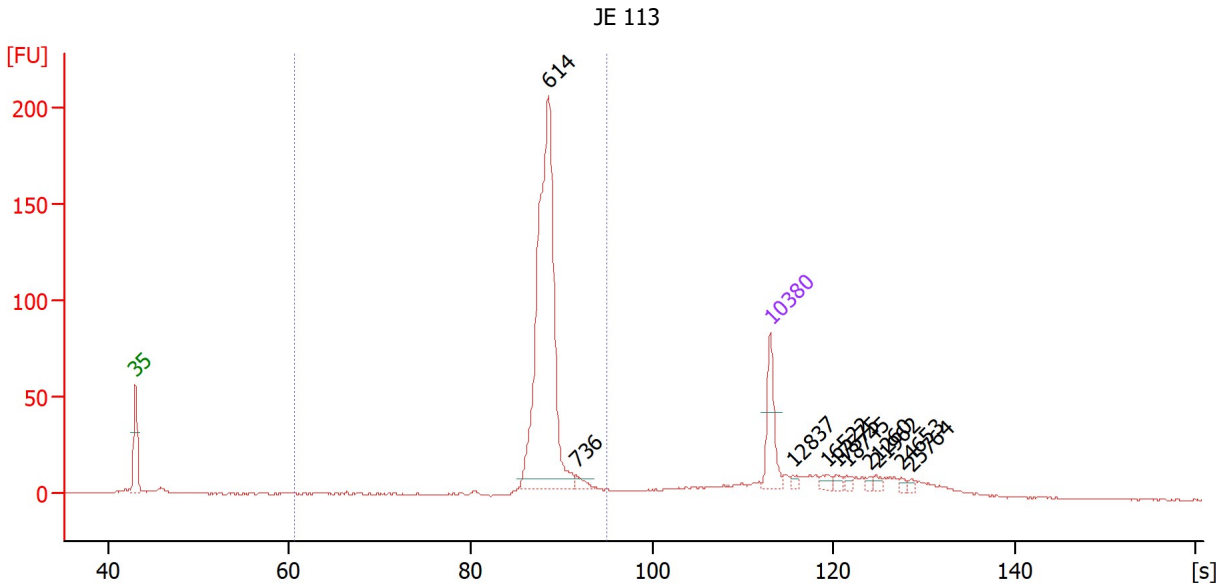
Region table for sample 7 : JE 57

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	504.9	71	602	14.0	727.01	1,925.1	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-04-17_002.xad

Created: 4/17/2024 9:17:18 AM
 Modified: 4/17/2024 10:10:29 AM

Electropherogram Summary Continued ...



Overall Results for sample 8 : JE 113

Number of peaks found: 10 Corr. Area 1: 531.3
 Noise: 0.4

Peak table for sample 8 : JE 113

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	614	704.15	1,738.1	
3	736	13.01	26.8	
4	10,380	75.00	10.9	Upper Marker
5	12,837	0.00	0.0	
6	16,522	0.00	0.0	
7	17,575	0.00	0.0	
8	18,745	0.00	0.0	
9	21,260	0.00	0.0	
10	21,962	0.00	0.0	
11	24,653	0.00	0.0	
12	25,764	0.00	0.0	

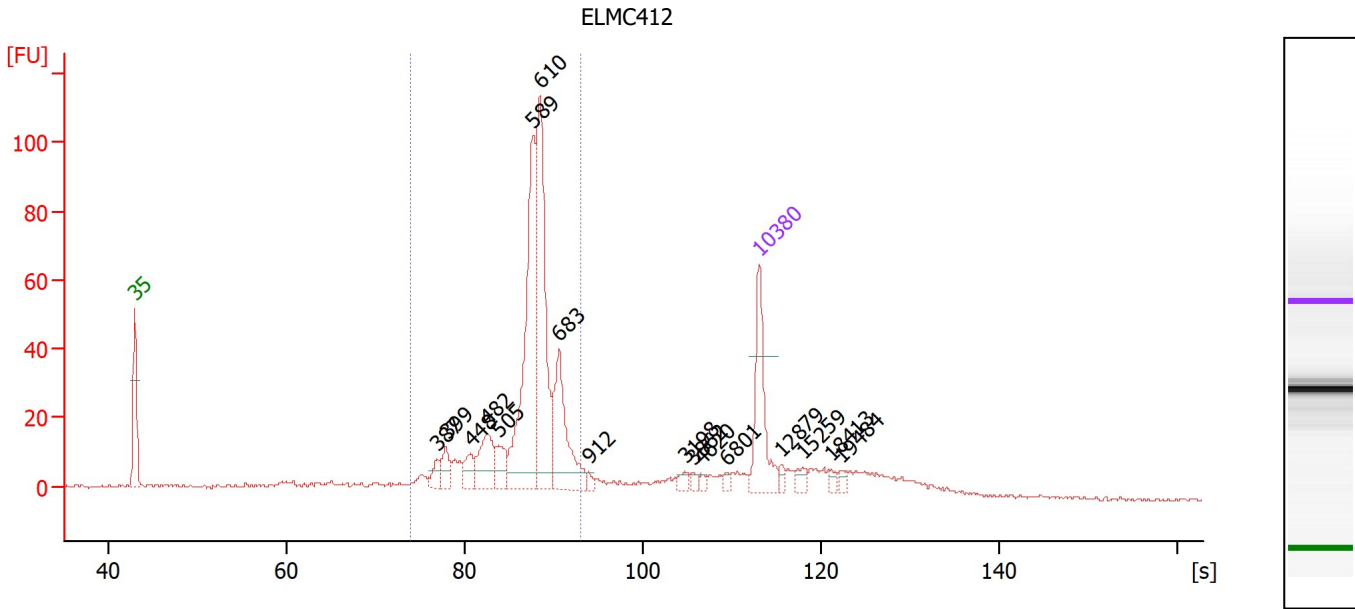
Region table for sample 8 : JE 113

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	531.3	67	609	12.1	815.98	2,096.7	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-04-17_002.xad

Created: 4/17/2024 9:17:18 AM
 Modified: 4/17/2024 10:10:29 AM

Electropherogram Summary Continued ...



Overall Results for sample 9 : ELMC412

Number of peaks found: 17 Corr. Area 1: 496.9
 Noise: 0.4

Peak table for sample 9 : ELMC412

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	387	14.76	57.8	
3	399	23.41	88.8	
4	448	21.72	73.5	
5	482	53.22	167.3	
6	505	28.41	85.2	
7	589	228.01	586.3	
8	610	209.59	520.7	
9	683	107.95	239.5	
10	912	4.86	8.1	
11	3,198	7.33	3.5	
12	3,862	4.40	1.7	
13	4,620	4.69	1.5	
14	6,801	4.74	1.1	
15	10,380	75.00	10.9	Upper Marker
16	12,879	0.00	0.0	
17	15,259	0.00	0.0	
18	18,413	0.00	0.0	
19	19,484	0.00	0.0	

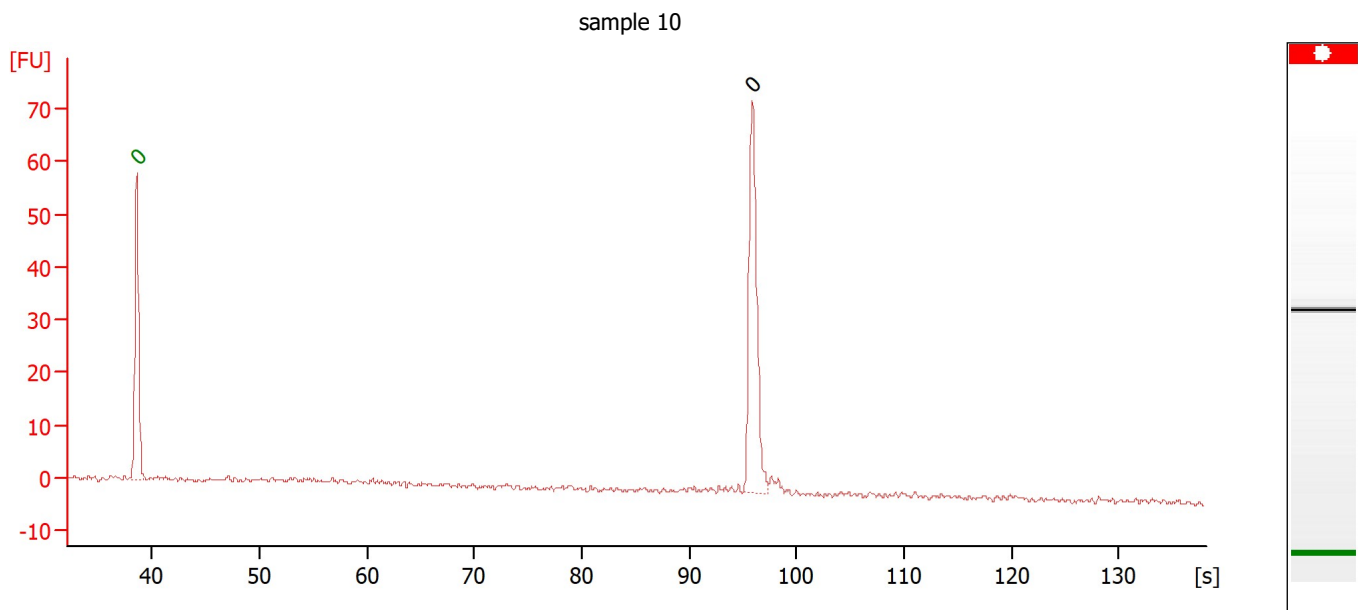
Region table for sample 9 : ELMC412

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
350	849	496.9	70	579	15.2	745.70	2,025.1	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-04-17_002.xad

Created: 4/17/2024 9:17:18 AM
 Modified: 4/17/2024 10:10:29 AM

Electropherogram Summary Continued ...



Overall Results for sample 10 : sample 10

Number of peaks found: 1 Noise: 0.5

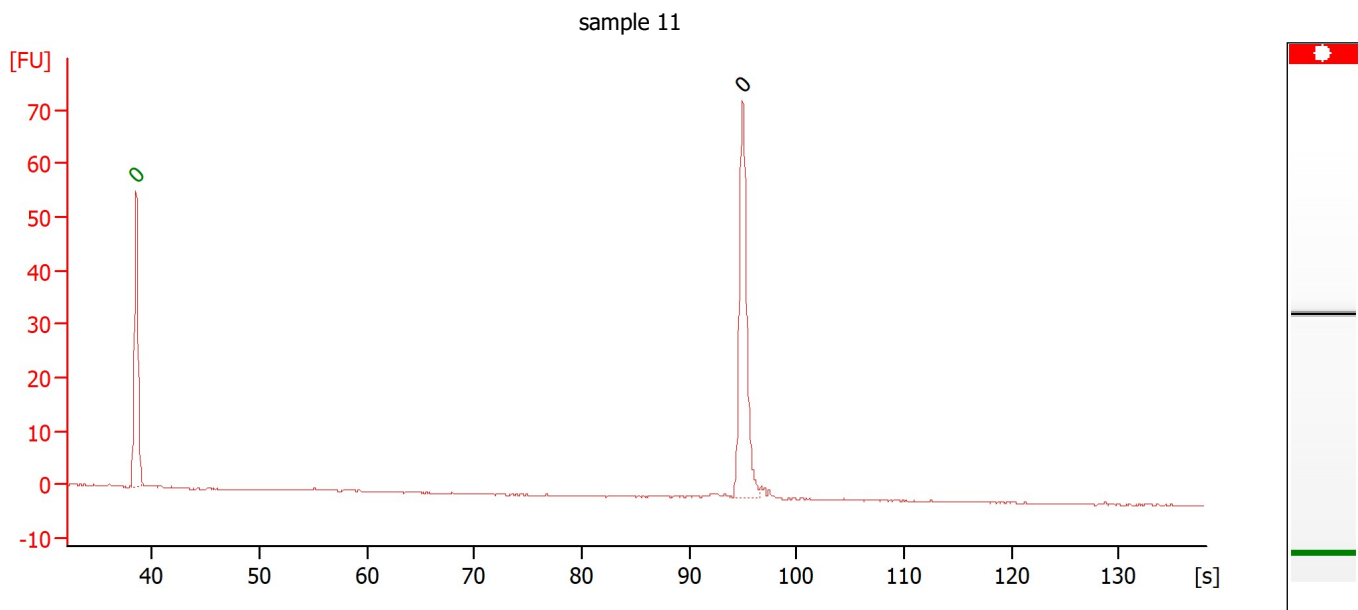
Peak table for sample 10 : sample 10

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	0	0.00	0.0	Lower Marker
2	0	0.00	0.0	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-04-17_002.xad

Created: 4/17/2024 9:17:18 AM
 Modified: 4/17/2024 10:10:29 AM

Electropherogram Summary Continued ...



Overall Results for sample 11 : sample 11

Number of peaks found: 1 Noise: 0.1

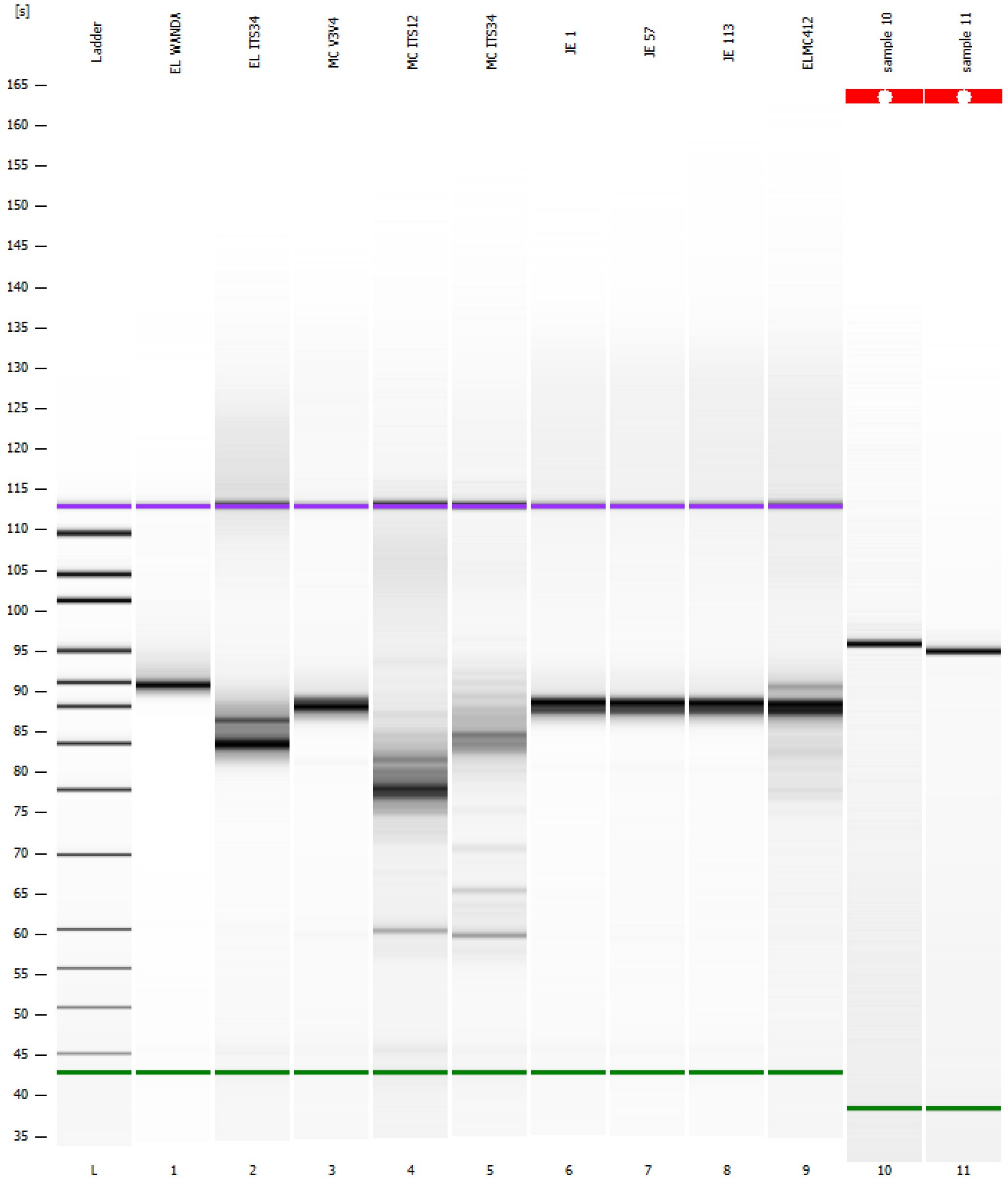
Peak table for sample 11 : sample 11

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	0	0.00	0.0	Lower Marker
2	0	0.00	0.0	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-04-17_002.xad

Created: 4/17/2024 9:17:18 AM
Modified: 4/17/2024 10:10:29 AM

Gel Image



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-04-17_002.xad

Created: 4/17/2024 9:17:18 AM
 Modified: 4/17/2024 10:10:29 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		4/17/2024 9:58:33 AM	(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\2024-04-17\Bioanalyzer1_High Sensitivity DNA Assay_DE34903152_2024-04-17_002.xad)		Instrument	Run		4/17/2024 9:17:18 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		4/17/2024 9:17:18 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		4/17/2024 9:17:18 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		4/17/2024 9:17:18 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		4/17/2024 9:17:18 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		4/17/2024 9:17:18 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		4/17/2024 9:17:18 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB