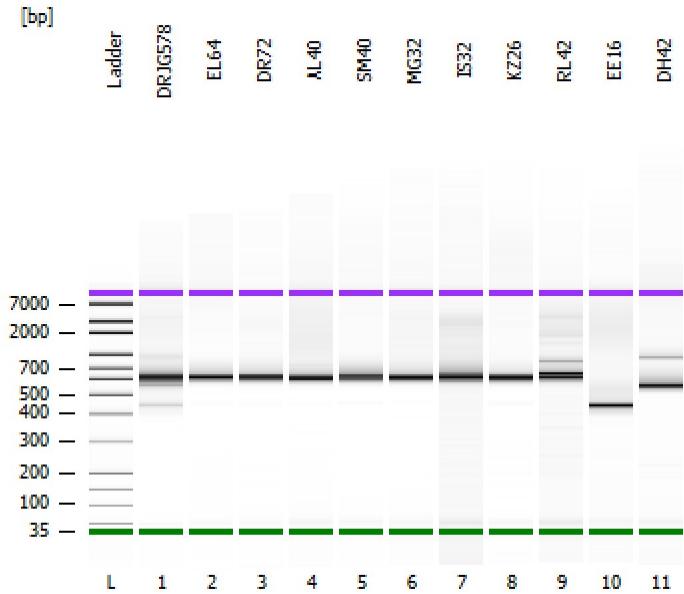


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2023-11-15_001.xad

Created: 11/15/2023 2:01:27 PM
Modified: 11/15/2023 2:52:36 PM

Electrophoresis File Run Summary



Instrument Information:

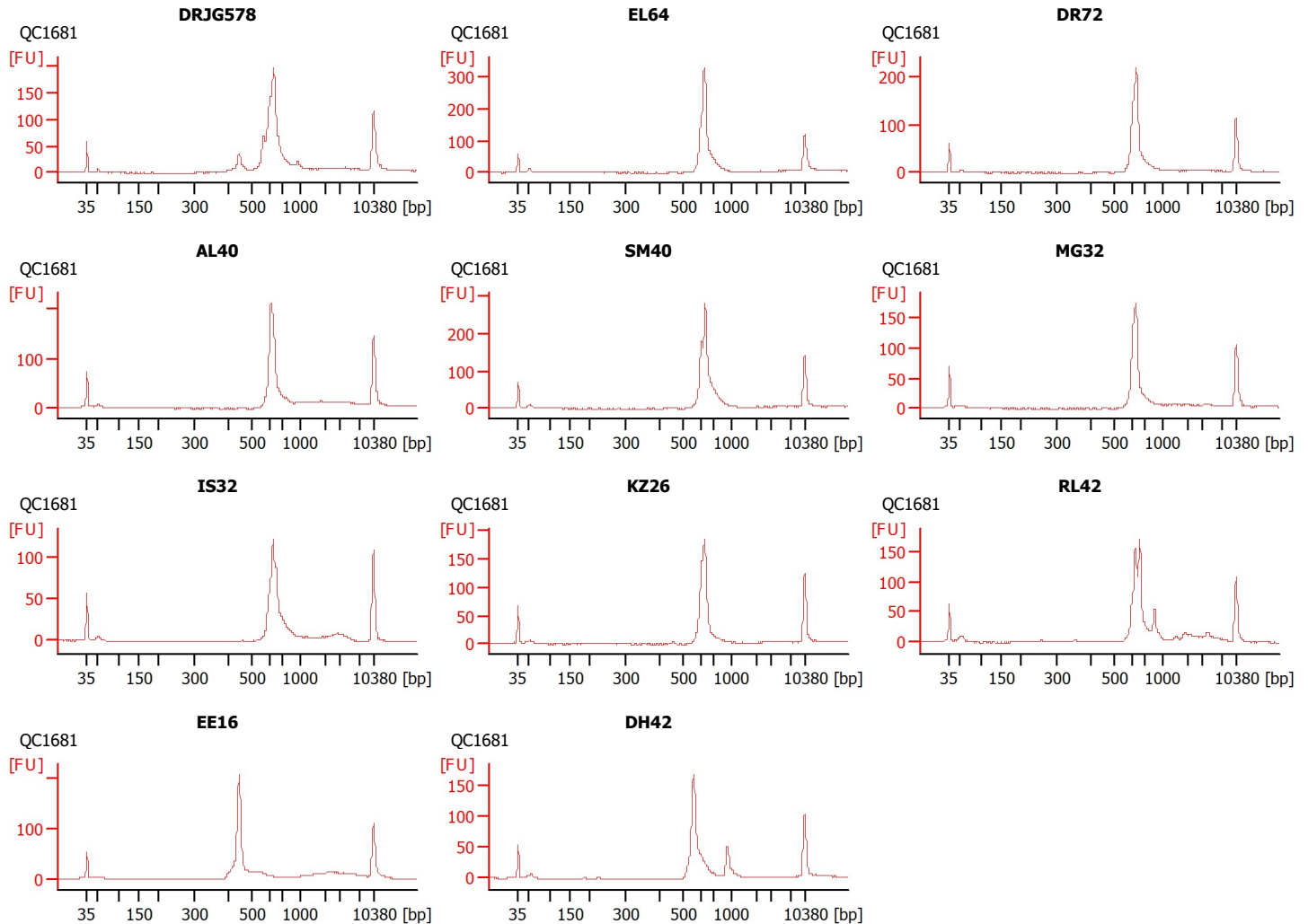
Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

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:



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2023-11-15_001.xad

Created: 11/15/2023 2:01:27 PM
 Modified: 11/15/2023 2:52:36 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
DRJG578	QC1681	<input type="checkbox"/>	✓			
EL64	QC1681	<input type="checkbox"/>	✓			
DR72	QC1681	<input type="checkbox"/>	✓			
AL40	QC1681	<input type="checkbox"/>	✓			
SM40	QC1681	<input type="checkbox"/>	✓			
MG32	QC1681	<input type="checkbox"/>	✓			
IS32	QC1681	<input type="checkbox"/>	✓			
KZ26	QC1681	<input type="checkbox"/>	✓			
RL42	QC1681	<input type="checkbox"/>	✓			
EE16	QC1681	<input type="checkbox"/>	✓			
DH42	QC1681	<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_2023-11-15_001.xad

Created: 11/15/2023 2:01:27 PM
 Modified: 11/15/2023 2:52:36 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

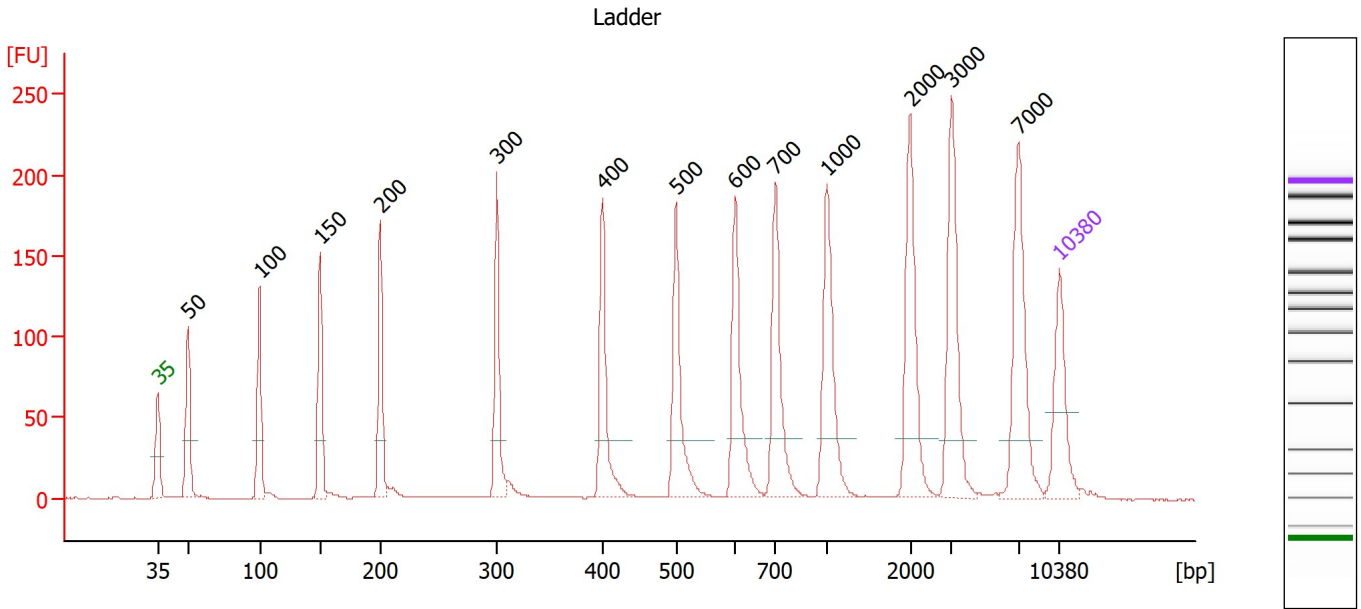
Ladder

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_2023-11-15_001.xad

Created: 11/15/2023 2:01:27 PM
 Modified: 11/15/2023 2:52:36 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

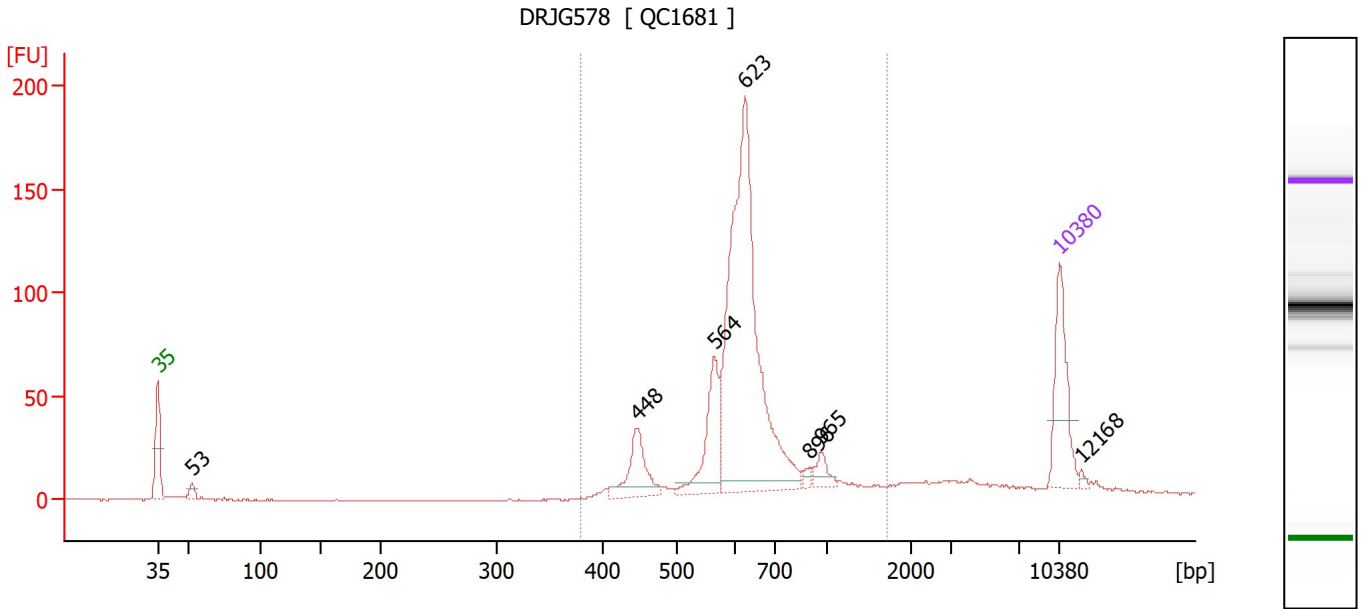
Peak table for Ladder

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_2023-11-15_001.xad

Created: 11/15/2023 2:01:27 PM
 Modified: 11/15/2023 2:52:36 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : DRJG578

Number of peaks found: 7 Corr. Area 1: 789.8
 Noise: 0.2

Peak table for sample 1 : DRJG578

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	53	13.80	395.5	
3	448	67.28	227.8	
4	564	88.99	239.1	
5	623	484.66	1,179.4	
6	896	6.01	10.2	
7	965	16.45	25.8	
8	10,380	75.00	10.9	Upper Marker
9	12,168	0.00	0.0	

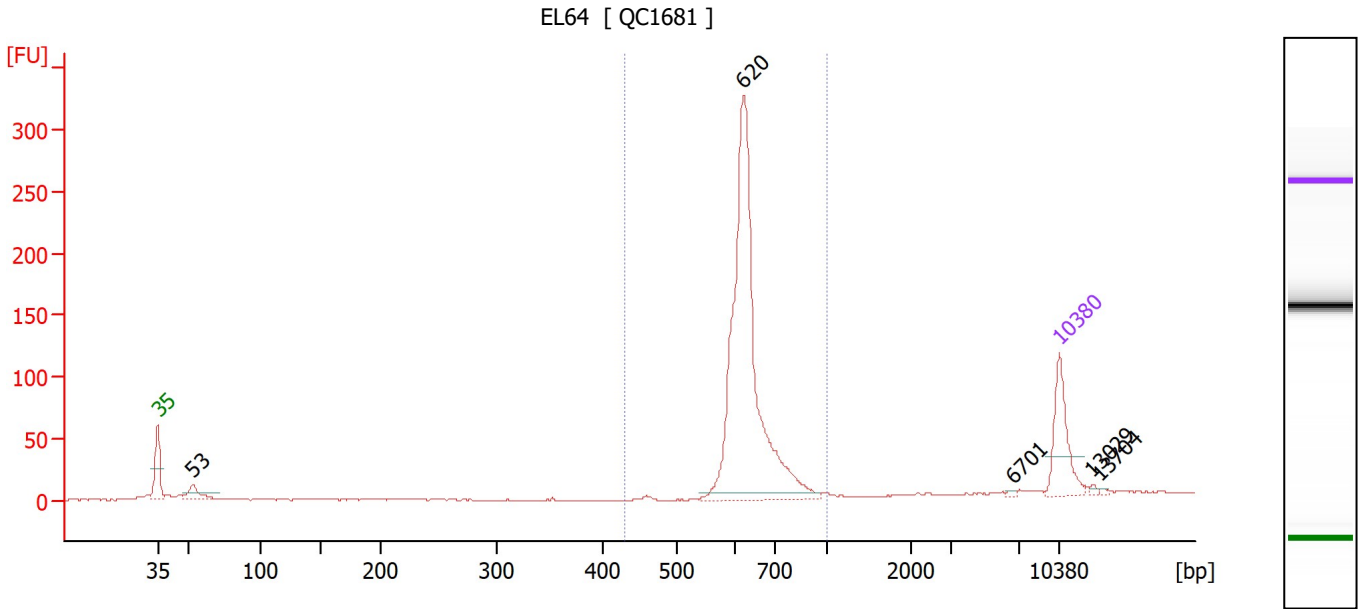
Region table for sample 1 : DRJG578

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
378	1,726	789.8	86	651	27.7	747.64	1,849.4	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2023-11-15_001.xad

Created: 11/15/2023 2:01:27 PM
 Modified: 11/15/2023 2:52:36 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : EL64

Number of peaks found: 5 Corr. Area 1: 705.9
 Noise: 0.4

Peak table for sample 2 : EL64

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	53	38.96	1,116.8	
3	620	606.35	1,480.7	
4	6,701	2.39	0.5	
5	10,380	75.00	10.9	Upper Marker
6	13,029	0.00	0.0	
7	13,704	0.00	0.0	

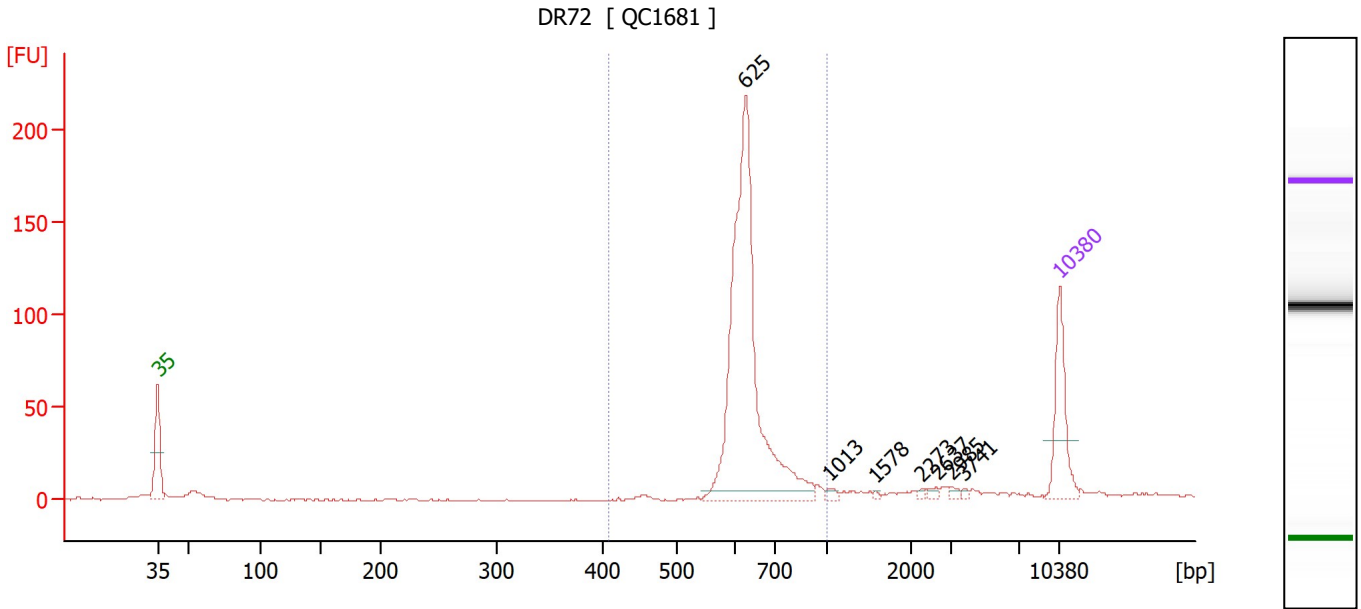
Region table for sample 2 : EL64

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
429	1,000	705.9	89	636	8.6	585.68	1,403.6	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2023-11-15_001.xad

Created: 11/15/2023 2:01:27 PM
 Modified: 11/15/2023 2:52:36 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : DR72

Number of peaks found: 7 Corr. Area 1: 514.8
 Noise: 0.4

Peak table for sample 3 : DR72

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	625	524.95	1,273.1	
3	1,013	5.87	8.8	
4	1,578	2.41	2.3	
5	2,273	3.05	2.0	
6	2,637	4.62	2.7	
7	2,985	4.61	2.3	
8	3,741	2.95	1.2	
9	10,380	75.00	10.9	Upper Marker

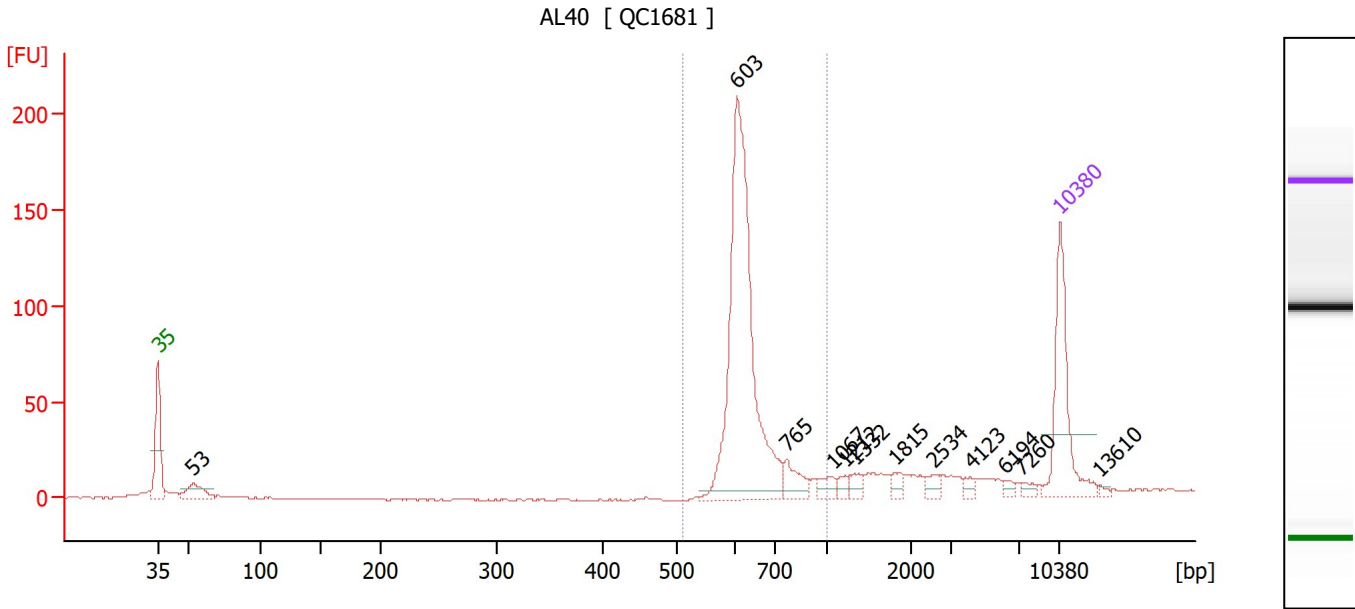
Region table for sample 3 : DR72

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
409	1,000	514.8	80	641	11.0	525.25	1,254.7	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2023-11-15_001.xad

Created: 11/15/2023 2:01:27 PM
 Modified: 11/15/2023 2:52:36 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : AL40

Number of peaks found: 12 Corr. Area 1: 492.6
 Noise: 0.3

Peak table for sample 4 : AL40

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	53	28.35	806.9	
3	603	327.58	823.3	
4	765	22.76	45.1	
5	1,067	11.48	16.3	
6	1,212	6.54	8.2	
7	1,332	9.08	10.3	
8	1,815	6.98	5.8	
9	2,534	8.06	4.8	
10	4,123	4.57	1.7	
11	6,194	3.76	0.9	
12	7,260	4.54	0.9	
13	10,380	75.00	10.9	Upper Marker
14	13,610	0.00	0.0	

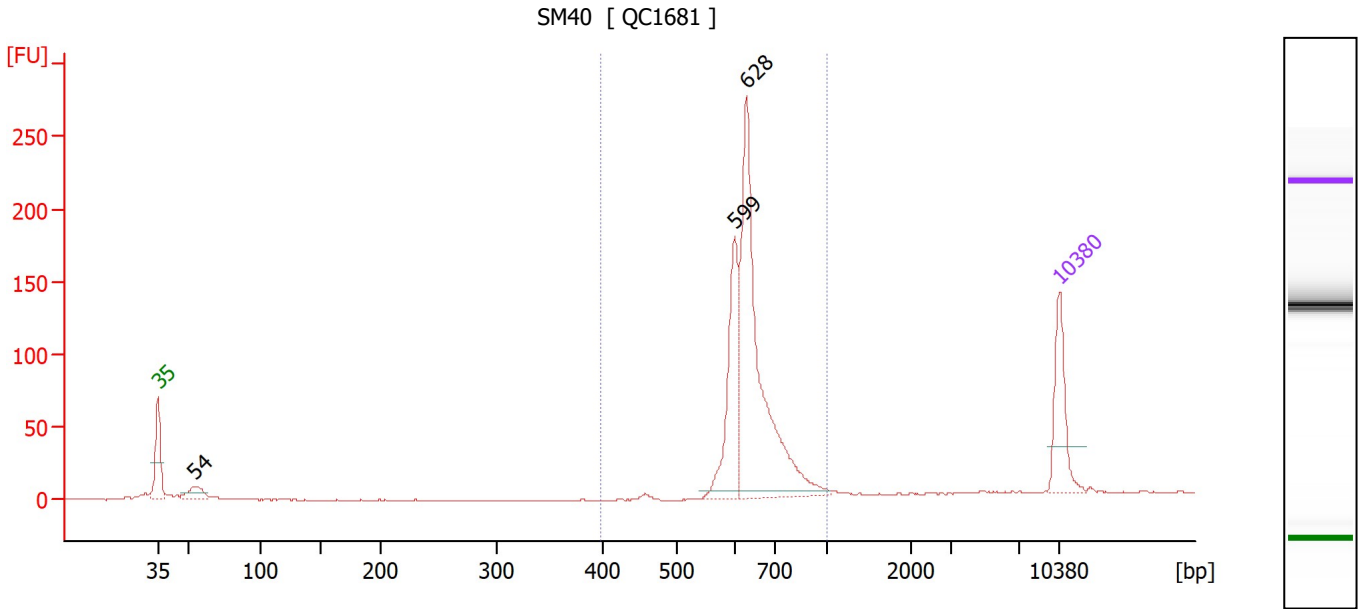
Region table for sample 4 : AL40

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
512	1,000	492.6	69	641	11.8	346.64	829.1	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2023-11-15_001.xad

Created: 11/15/2023 2:01:27 PM
 Modified: 11/15/2023 2:52:36 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : SM40

Number of peaks found: 3 Corr. Area 1: 704.6
 Noise: 0.4

Peak table for sample 5 : SM40

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	54	38.32	1,075.5	
3	599	172.32	435.7	
4	628	433.88	1,046.7	
5	10,380	75.00	10.9	Upper Marker

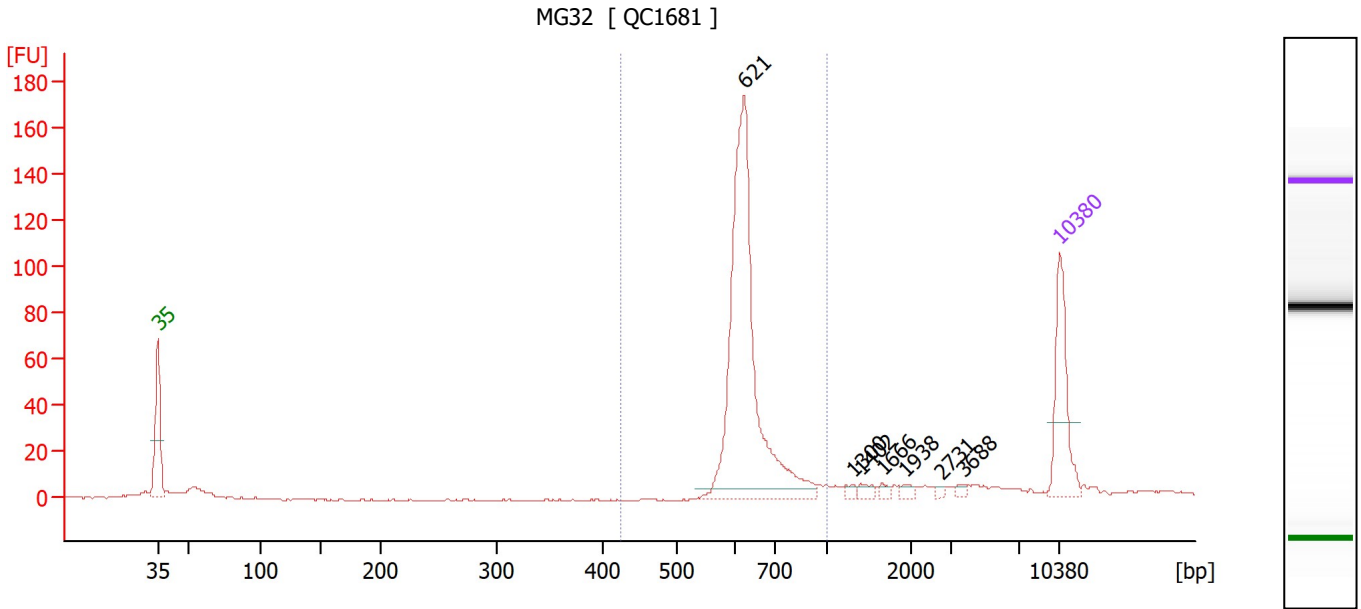
Region table for sample 5 : SM40

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
399	1,000	704.6	77	648	11.4	620.78	1,467.2	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2023-11-15_001.xad

Created: 11/15/2023 2:01:27 PM
 Modified: 11/15/2023 2:52:36 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : MG32

Number of peaks found: 7 Corr. Area 1: 401.6
 Noise: 0.3

Peak table for sample 6 : MG32

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	621	427.27	1,041.8	
3	1,300	4.83	5.6	
4	1,402	7.39	8.0	
5	1,666	4.50	4.1	
6	1,938	5.44	4.3	
7	2,731	2.99	1.7	
8	3,688	4.20	1.7	
9	10,380	75.00	10.9	Upper Marker

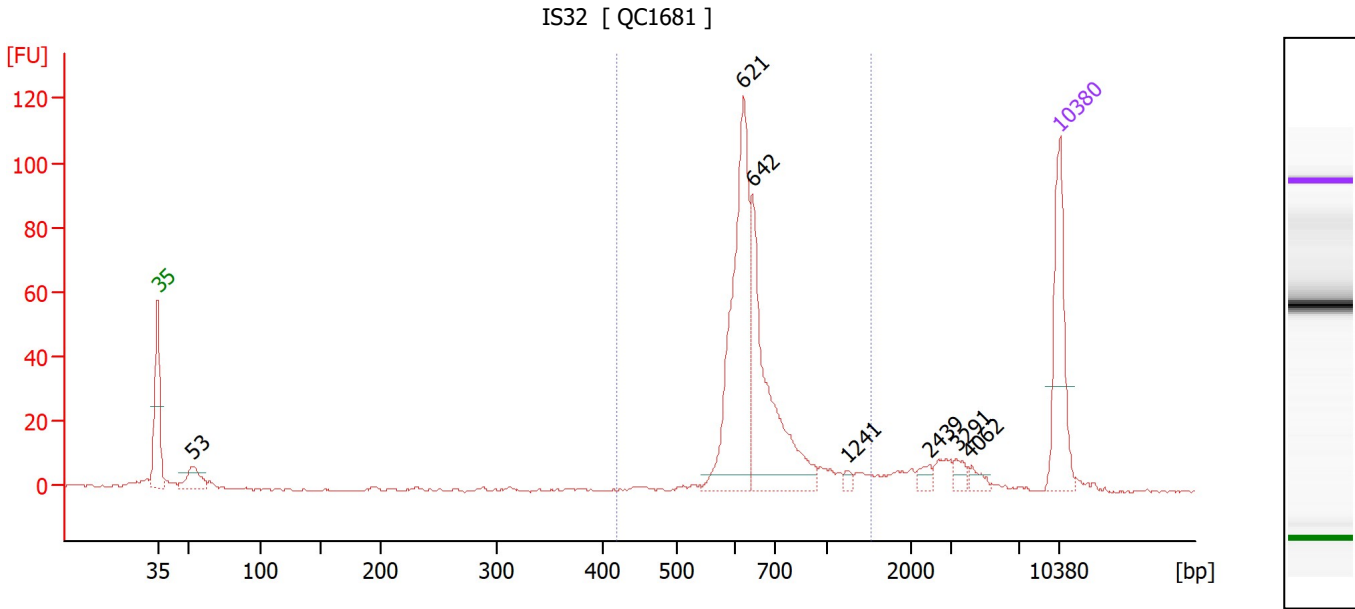
Region table for sample 6 : MG32

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
424	1,000	401.6	74	639	10.9	421.86	1,009.5	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2023-11-15_001.xad

Created: 11/15/2023 2:01:27 PM
 Modified: 11/15/2023 2:52:36 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : IS32

Number of peaks found: 7 Corr. Area 1: 398.3
 Noise: 0.3

Peak table for sample 7 : IS32

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	53	31.54	900.0	
3	621	216.82	529.2	
4	642	173.82	410.0	
5	1,241	4.28	5.2	
6	2,439	7.74	4.8	
7	3,291	8.52	3.9	
8	4,062	7.40	2.8	
9	10,380	75.00	10.9	Upper Marker

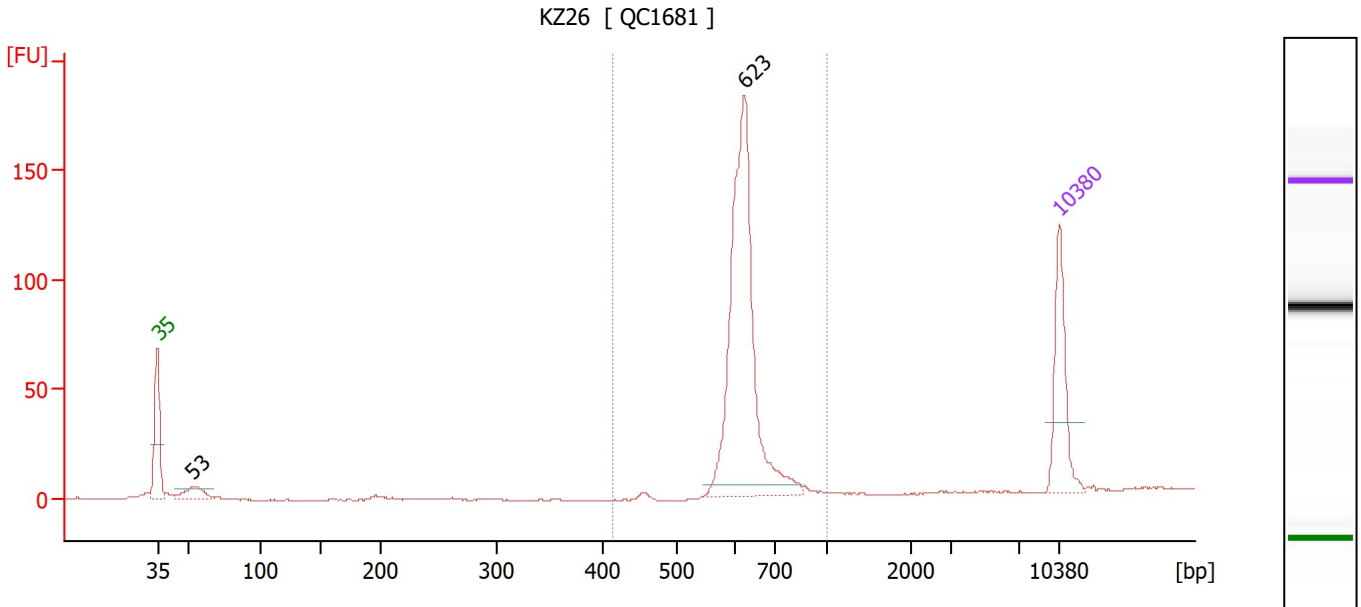
Region table for sample 7 : IS32

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
418	1,541	398.3	72	691	25.0	435.79	1,000.5	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2023-11-15_001.xad

Created: 11/15/2023 2:01:27 PM
 Modified: 11/15/2023 2:52:36 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : KZ26

Number of peaks found: 2 Corr. Area 1: 426.0
 Noise: 0.2

Peak table for sample 8 : KZ26

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	53	33.84	967.7	
3	623	382.58	931.1	
4	10,380	75.00	10.9	Upper Marker

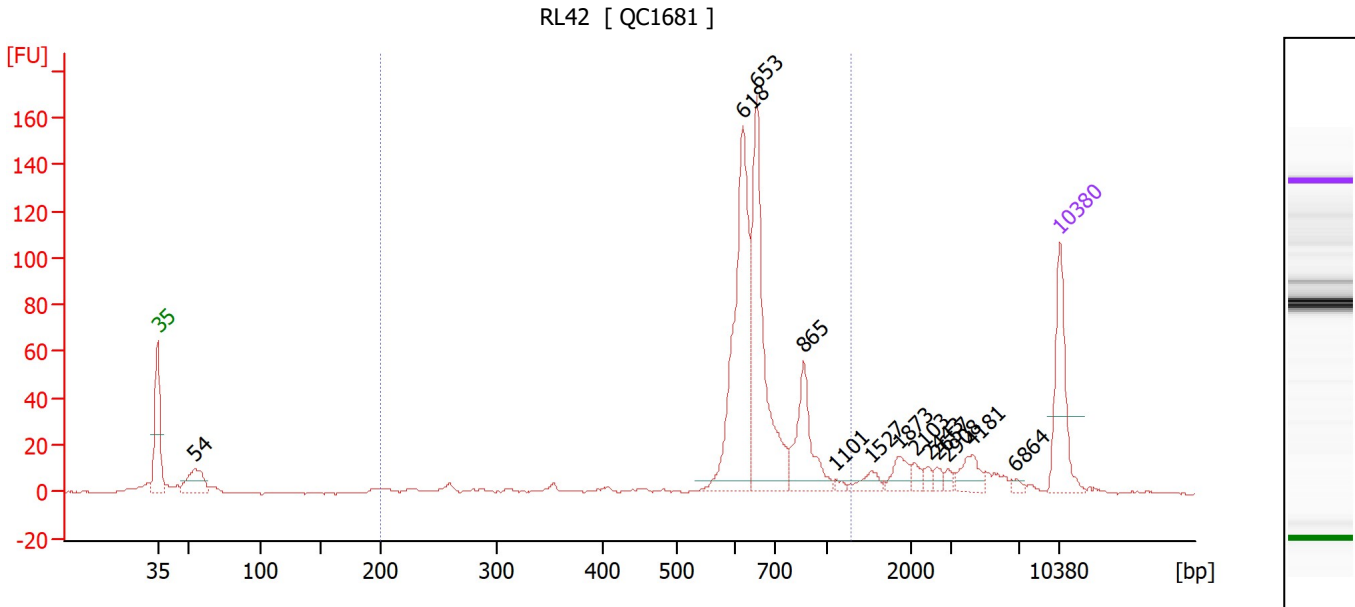
Region table for sample 8 : KZ26

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
414	1,000	426.0	71	630	9.9	408.19	989.9	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2023-11-15_001.xad

Created: 11/15/2023 2:01:27 PM
 Modified: 11/15/2023 2:52:36 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : RL42

Number of peaks found: 13 Corr. Area 1: 587.1
 Noise: 0.4

Peak table for sample 9 : RL42

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	54	57.36	1,616.6	
3	618	265.31	650.6	
4	653	235.57	546.7	
5	865	87.69	153.6	
6	1,101	4.63	6.4	
7	1,527	14.84	14.7	
8	1,873	20.49	16.6	
9	2,103	9.31	6.7	
10	2,443	6.68	4.1	
11	2,657	7.23	4.1	
12	2,908	5.79	3.0	
13	4,181	22.86	8.3	
14	6,864	4.10	0.9	
15	10,380	75.00	10.9	Upper Marker

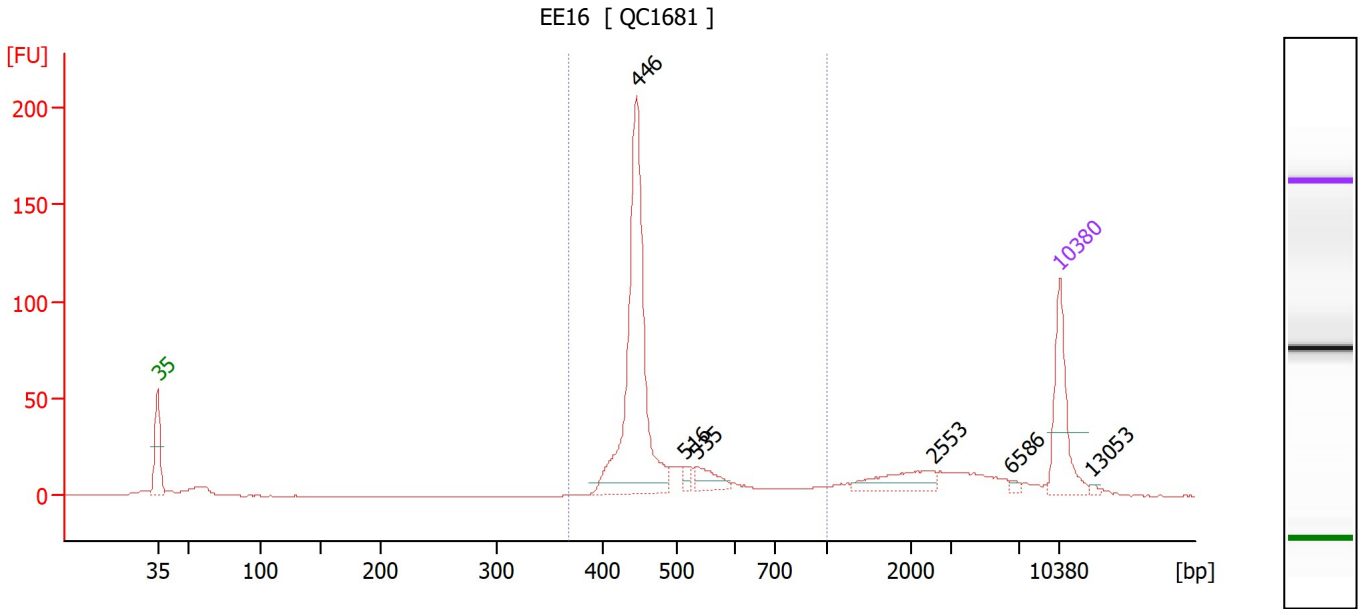
Region table for sample 9 : RL42

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/µl]	Molarity [pmol/l]	Color
200	1,298	587.1	72	661	22.1	696.14	1,765.6	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2023-11-15_001.xad

Created: 11/15/2023 2:01:27 PM
 Modified: 11/15/2023 2:52:36 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : EE16

Number of peaks found: 6 Corr. Area 1: 486.9
 Noise: 0.2

Peak table for sample 10 : EE16

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	446	371.42	1,260.5	
3	516	11.08	32.5	
4	535	28.14	79.7	
5	2,553	38.85	23.1	
6	6,586	3.97	0.9	
7	10,380	75.00	10.9	Upper Marker
8	13,053	0.00	0.0	

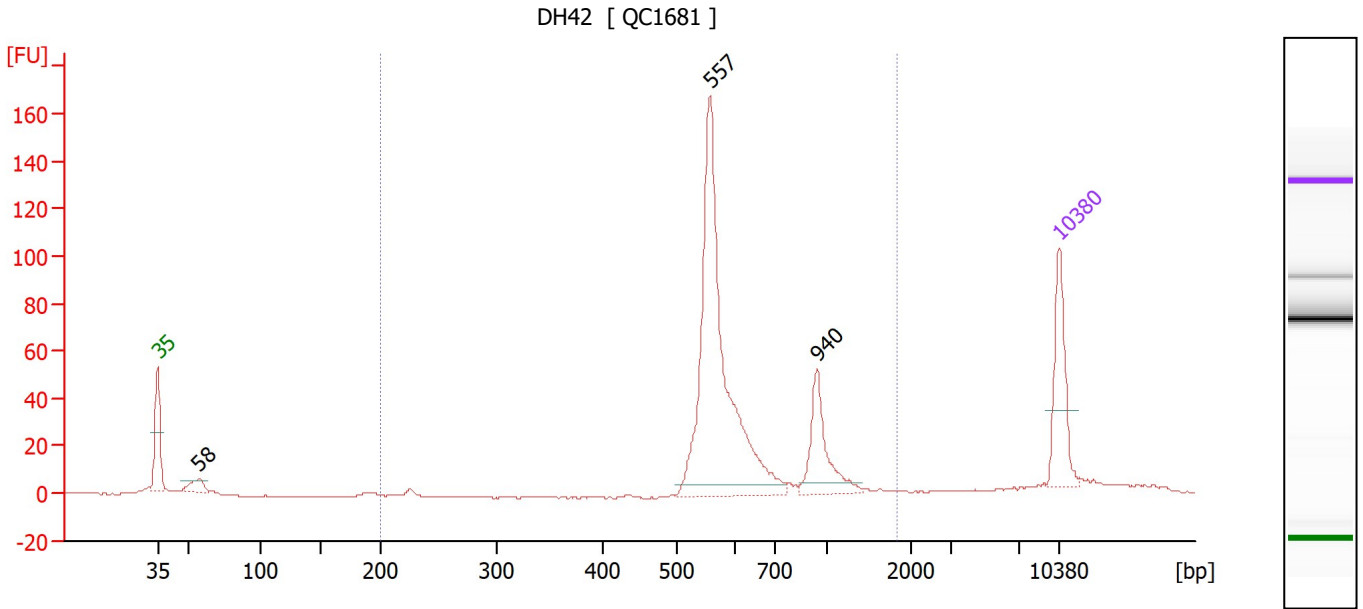
Region table for sample 10 : EE16

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
368	1,000	486.9	66	487	20.5	505.10	1,627.5	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2023-11-15_001.xad

Created: 11/15/2023 2:01:27 PM
 Modified: 11/15/2023 2:52:36 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : DH42

Number of peaks found: 3 Corr. Area 1: 473.1
 Noise: 0.3

Peak table for sample 11 : DH42

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	58	27.44	719.8	
3	557	457.37	1,243.3	
4	940	81.95	132.0	
5	10,380	75.00	10.9	Upper Marker

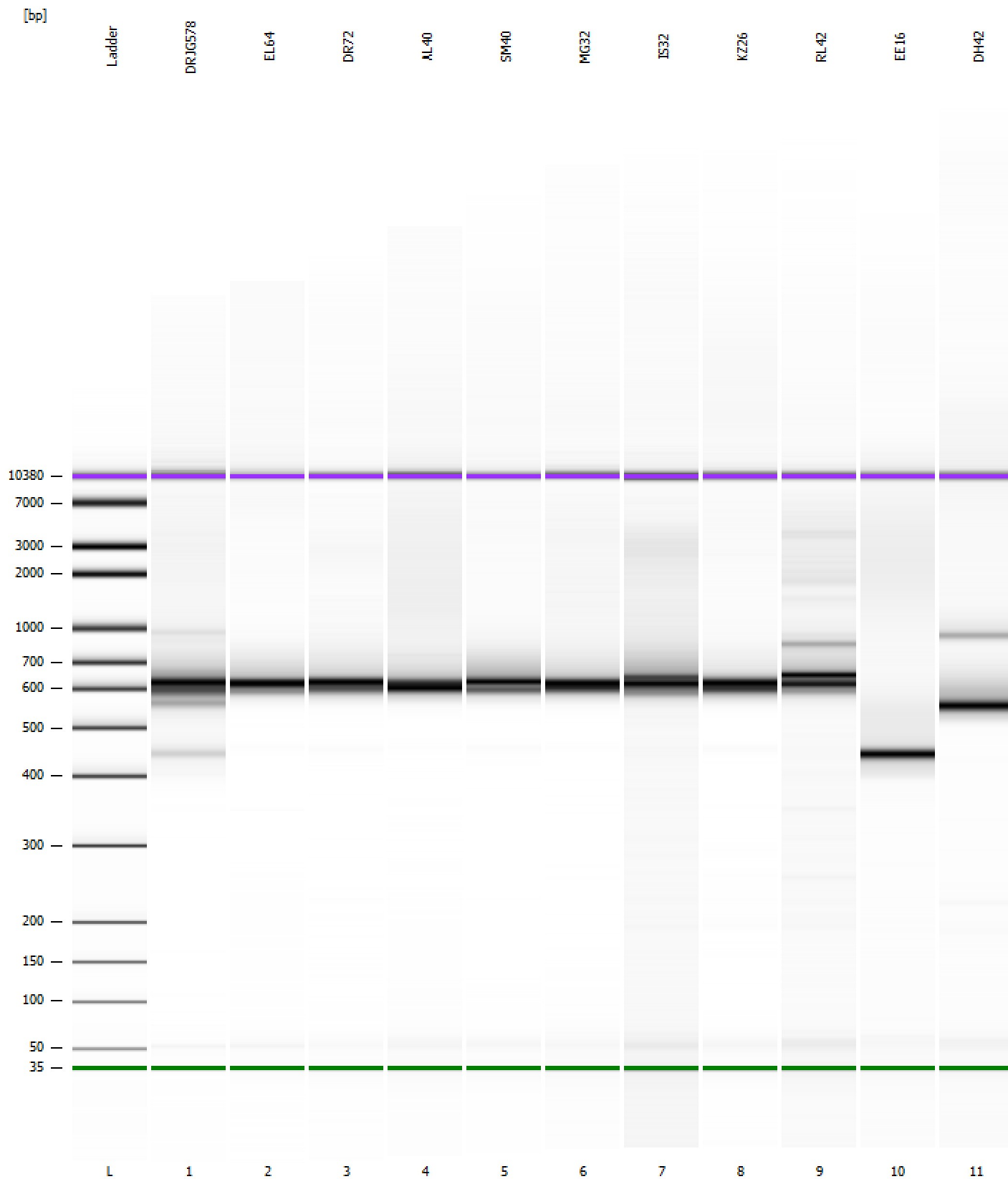
Region table for sample 11 : DH42

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,844	473.1	80	672	32.1	549.38	1,349.7	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2023-11-15_001.xad

Created: 11/15/2023 2:01:27 PM
Modified: 11/15/2023 2:52:36 PM

Gel Image

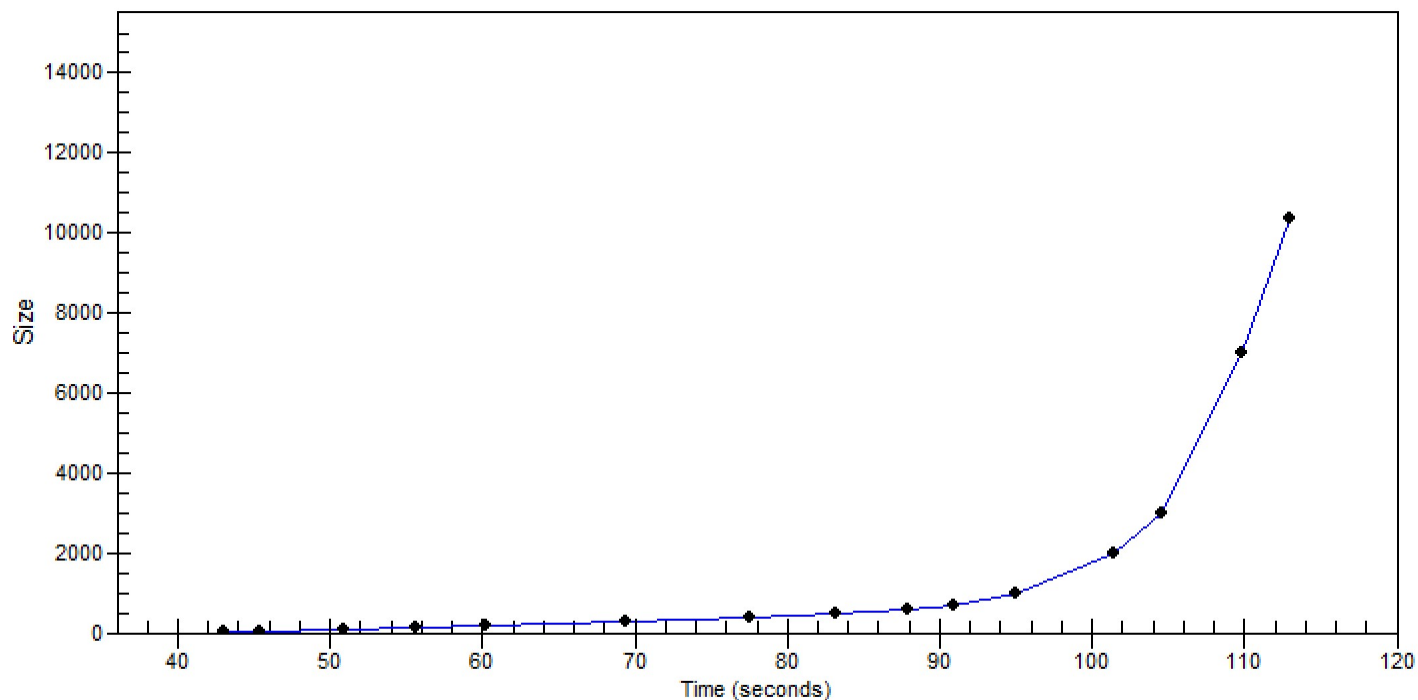


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2023-11-15_001.xad

Created: 11/15/2023 2:01:27 PM
Modified: 11/15/2023 2:52:36 PM

Curves

Standard Curve



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2023-11-15_001.xad

Created: 11/15/2023 2:01:27 PM
 Modified: 11/15/2023 2:52:36 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		11/15/2023 2:42:45 PM	(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\2023-11-15\Bioanalyzer1_High Sensitivity DNA Assay_DE34903152_2023-11-15_001.xad)		Instrument	Run		11/15/2023 2:01:33 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		11/15/2023 2:01:33 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		11/15/2023 2:01:33 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		11/15/2023 2:01:33 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		11/15/2023 2:01:33 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		11/15/2023 2:01:33 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		11/15/2023 2:01:33 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB