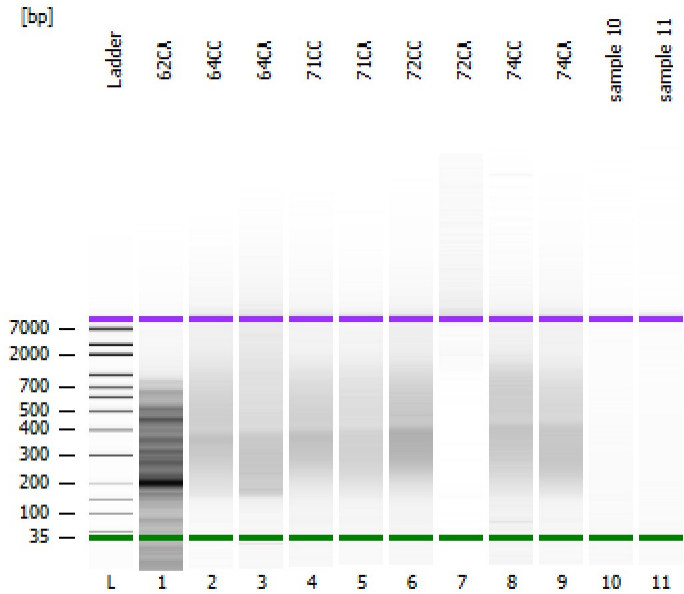


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2023-12-11_001.xad

Created: 12/11/2023 9:49:34 AM
Modified: 12/11/2023 10:33:47 AM

Electrophoresis File Run Summary



Instrument Information:

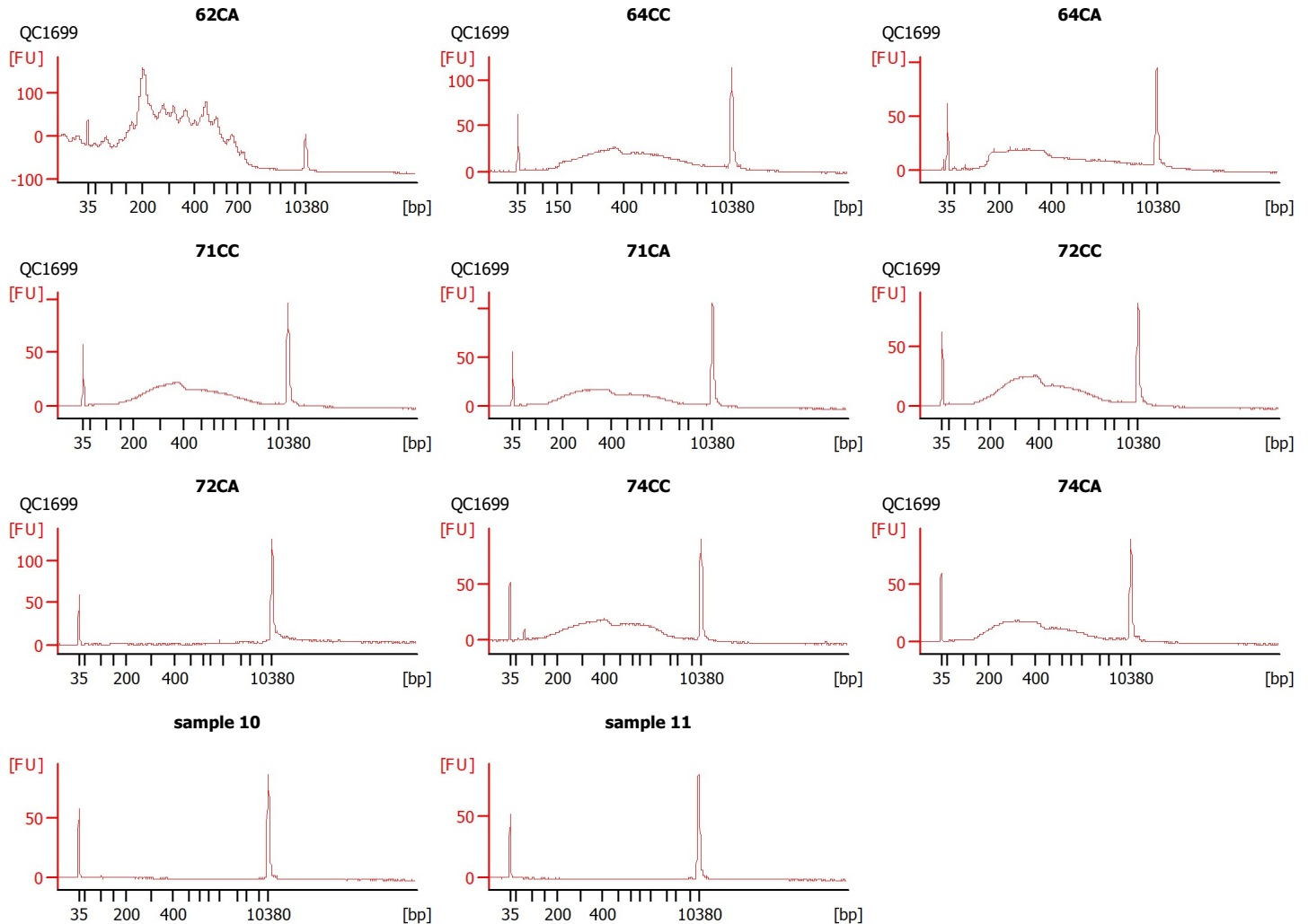
Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

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:



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2023-12-11_001.xad

Created: 12/11/2023 9:49:34 AM
 Modified: 12/11/2023 10:33:47 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
62CA	QC1699	<input type="checkbox"/>		✓		
64CC	QC1699	<input type="checkbox"/>		✓		
64CA	QC1699	<input type="checkbox"/>		✓		
71CC	QC1699	<input type="checkbox"/>		✓		
71CA	QC1699	<input type="checkbox"/>		✓		
72CC	QC1699	<input type="checkbox"/>		✓		
72CA	QC1699	<input type="checkbox"/>		✓		
74CC	QC1699	<input type="checkbox"/>		✓		
74CA	QC1699	<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_2023-12-11_001.xad

Created: 12/11/2023 9:49:34 AM
 Modified: 12/11/2023 10:33:47 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

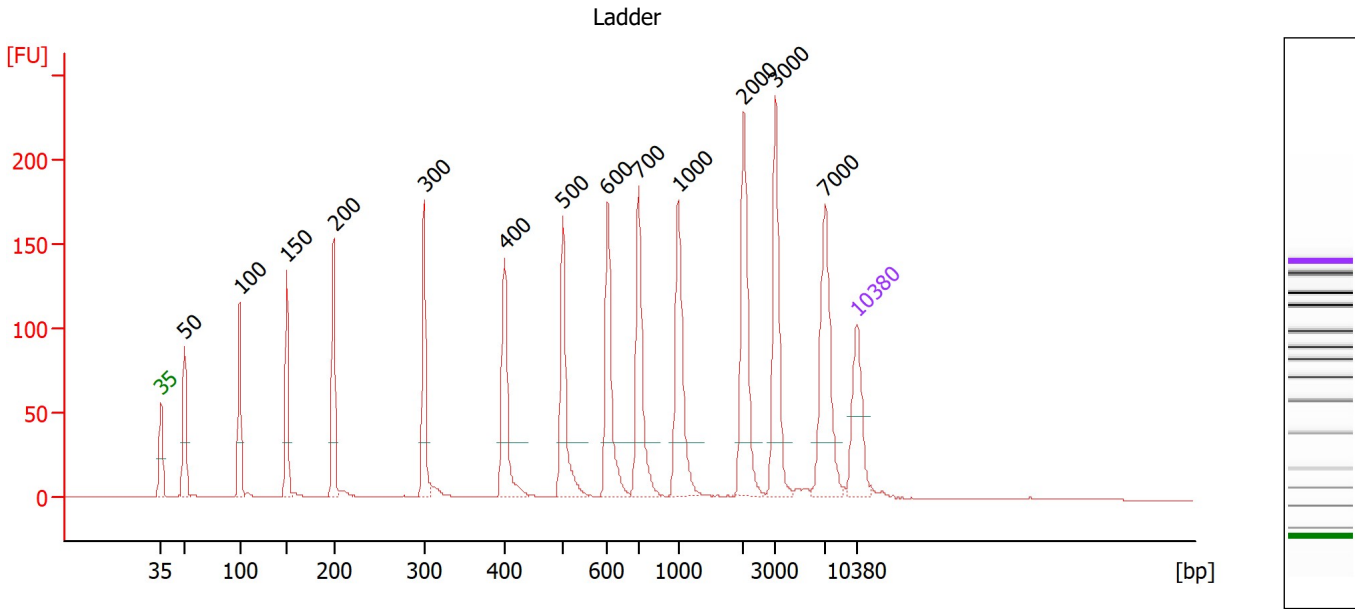
Ladder

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_2023-12-11_001.xad

Created: 12/11/2023 9:49:34 AM
 Modified: 12/11/2023 10:33:47 AM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

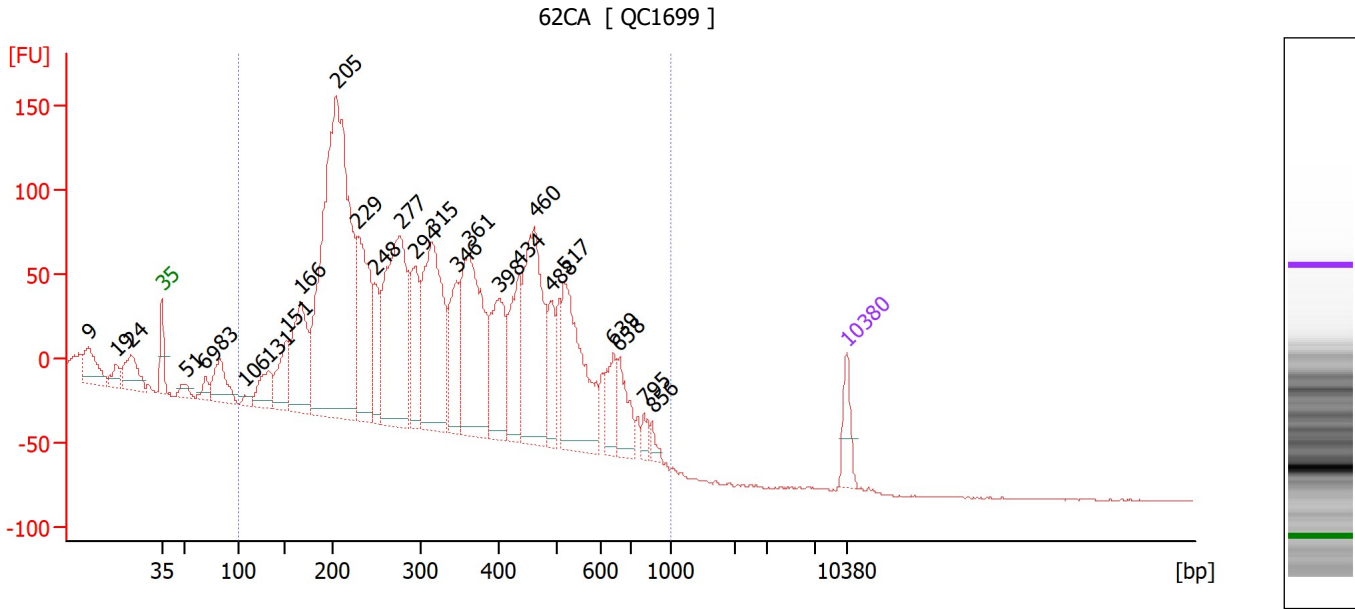
Peak table for Ladder

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_2023-12-11_001.xad

Created: 12/11/2023 9:49:34 AM
 Modified: 12/11/2023 10:33:47 AM

Electropherogram Summary Continued ...



Overall Results for sample 1 : 62CA

Number of peaks found: 27 Corr. Area 1: 3,543.2
 Noise: 0.2

Peak table for sample 1 : 62CA

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	9	0.00	0.0	
2	19	0.00	0.0	
3	24	0.00	0.0	
4	35	125.00	5,411.3	Lower Marker
5	51	44.46	1,313.4	
6	69	51.72	1,138.3	
7	83	185.20	3,400.9	
8	106	26.25	375.7	
9	131	150.85	1,741.8	
10	151	212.68	2,128.4	
11	166	428.57	3,902.5	
12	205	2,053.98	15,208.2	
13	229	535.44	3,538.8	
14	248	171.65	1,046.7	
15	277	798.12	4,361.1	
16	294	284.62	1,466.3	
17	315	662.96	3,189.9	
18	346	241.70	1,056.9	
19	361	626.81	2,633.7	
20	398	308.99	1,175.6	
21	434	272.92	953.8	
22	460	576.19	1,896.6	
23	488	143.81	446.5	
24	517	494.56	1,449.7	
25	639	124.90	296.2	
26	658	127.14	292.7	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2023-12-11_001.xad

Created: 12/11/2023 9:49:34 AM
 Modified: 12/11/2023 10:33:47 AM

Electropherogram Summary Continued ...

... Peak table for sample 1 : 62CA

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	795	33.33	63.5	
28	856	23.80	42.1	
29	10,380	75.00	10.9	Upper Marker

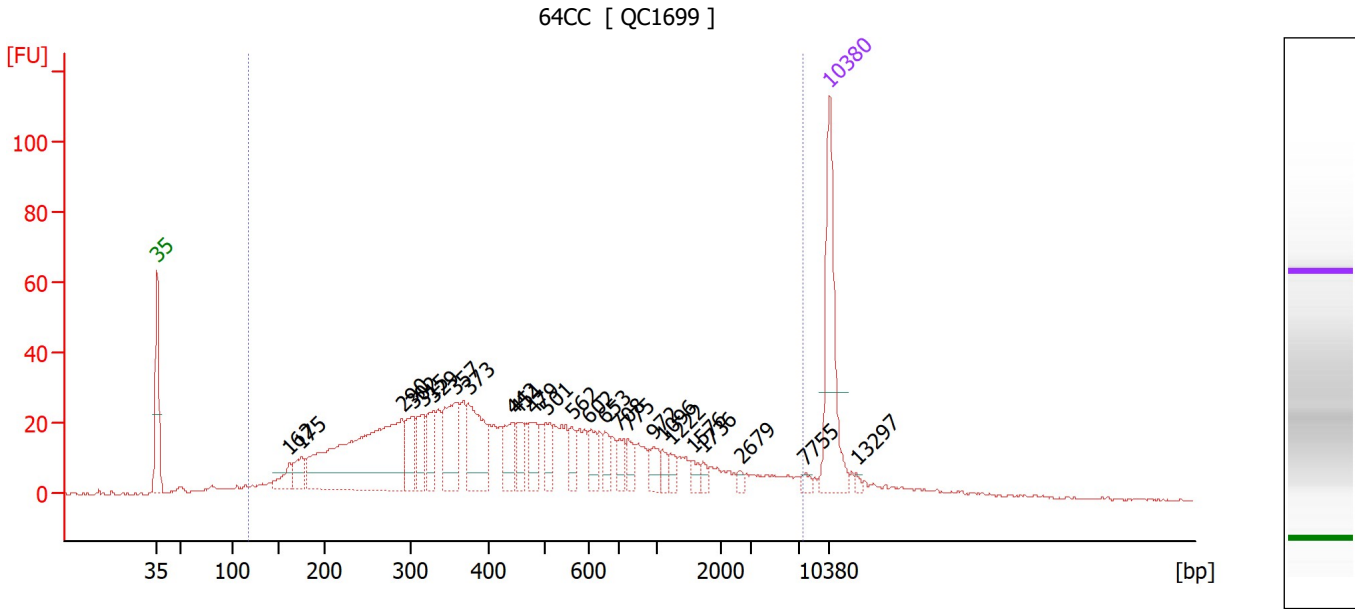
Region table for sample 1 : 62CA

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
99	1,000	3,543.2	99	341	38.5	6,685.25	36,704.1	■

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2023-12-11_001.xad

Created: 12/11/2023 9:49:34 AM
 Modified: 12/11/2023 10:33:47 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 : 64CC

Number of peaks found: 25 Corr. Area 1: 1,069.8
 Noise: 0.4

Peak table for sample 2 : 64CC

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	162	19.29	180.6	
3	175	23.69	205.4	
4	290	237.93	1,244.9	
5	302	33.91	170.1	
6	315	32.25	155.1	
7	329	27.12	125.0	
8	357	57.31	243.3	
9	373	60.98	247.5	
10	442	28.04	96.2	
11	451	22.17	74.5	
12	479	25.33	80.1	
13	501	20.92	63.3	
14	562	13.71	37.0	
15	602	18.17	45.8	
16	653	14.72	34.1	
17	708	12.49	26.7	
18	775	13.78	26.9	
19	972	13.05	20.3	
20	1,096	7.48	10.3	
21	1,222	7.71	9.6	
22	1,576	6.51	6.3	
23	1,736	4.58	4.0	
24	2,679	3.15	1.8	
25	7,755	3.99	0.8	
26	10,380	75.00	10.9	Upper Marker

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2023-12-11_001.xad

Created: 12/11/2023 9:49:34 AM
 Modified: 12/11/2023 10:33:47 AM

Electropherogram Summary Continued ...

... Peak table for sample 2 : 64CC

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	13,297	0.00	0.0	

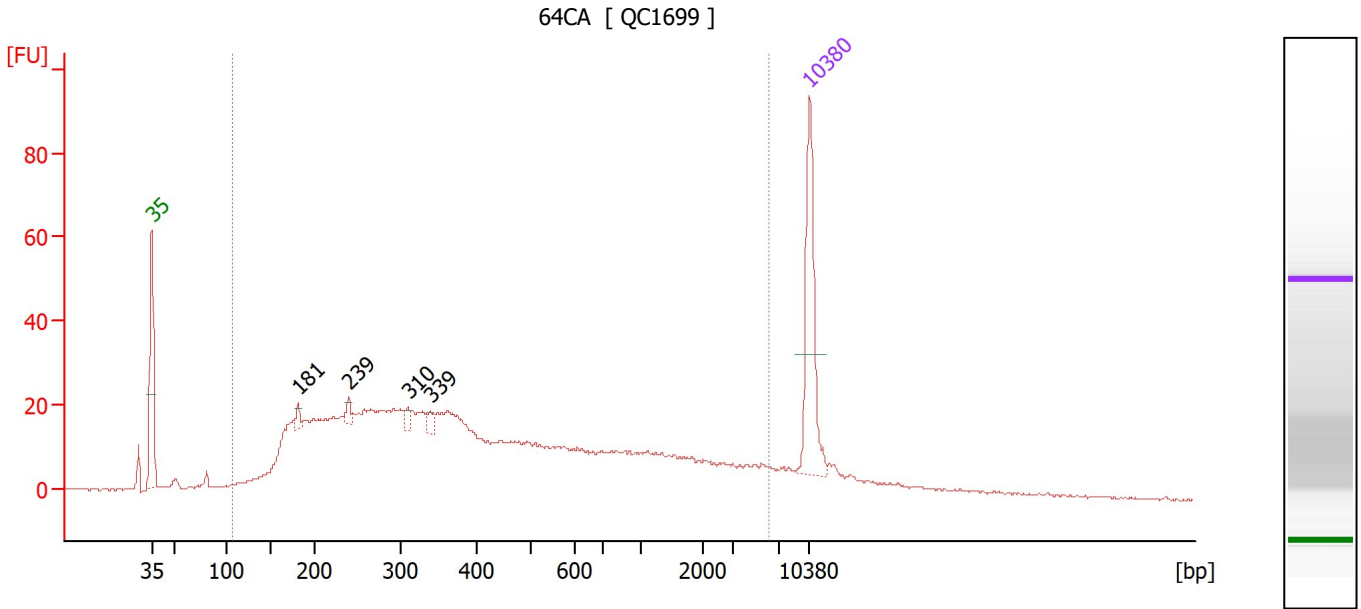
Region table for sample 2 : 64CC

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
116	7,534	1,069.8	93	749	100.0	1,115.14	4,960.0	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2023-12-11_001.xad

Created: 12/11/2023 9:49:34 AM
 Modified: 12/11/2023 10:33:47 AM

Electropherogram Summary Continued ...



Overall Results for sample 3 : 64CA

Number of peaks found: 4 Corr. Area 1: 896.9
 Noise: 0.2

Peak table for sample 3 : 64CA

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	181	7.54	63.2	
3	239	7.04	44.5	
4	310	7.98	39.0	
5	339	7.38	33.0	
6	10,380	75.00	10.9	Upper Marker

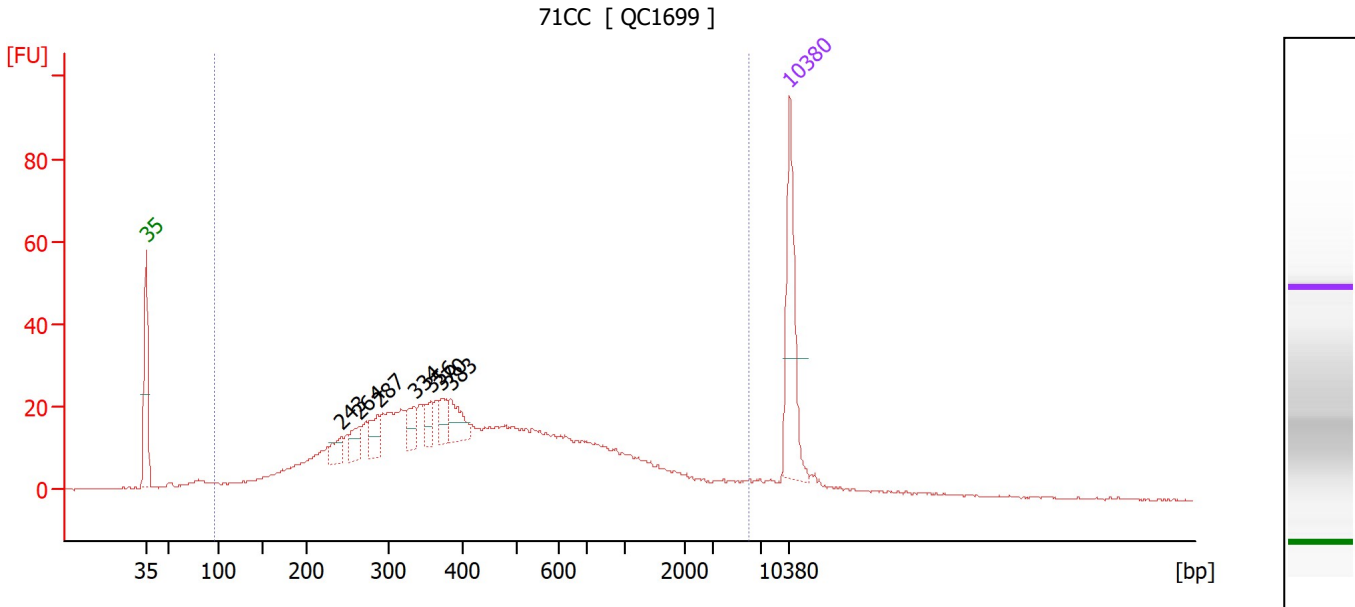
Region table for sample 3 : 64CA

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
107	6,038	896.9	91	703	100.0	1,254.50	6,329.3	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2023-12-11_001.xad

Created: 12/11/2023 9:49:34 AM
 Modified: 12/11/2023 10:33:47 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : 71CC

Number of peaks found: 7 Corr. Area 1: 828.0
 Noise: 0.2

Peak table for sample 4 : 71CC

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	243	18.62	116.3	
3	264	21.48	123.4	
4	287	24.96	131.6	
5	334	22.04	100.0	
6	356	15.27	65.0	
7	370	17.23	70.6	
8	383	28.58	113.2	
9	10,380	75.00	10.9	Upper Marker

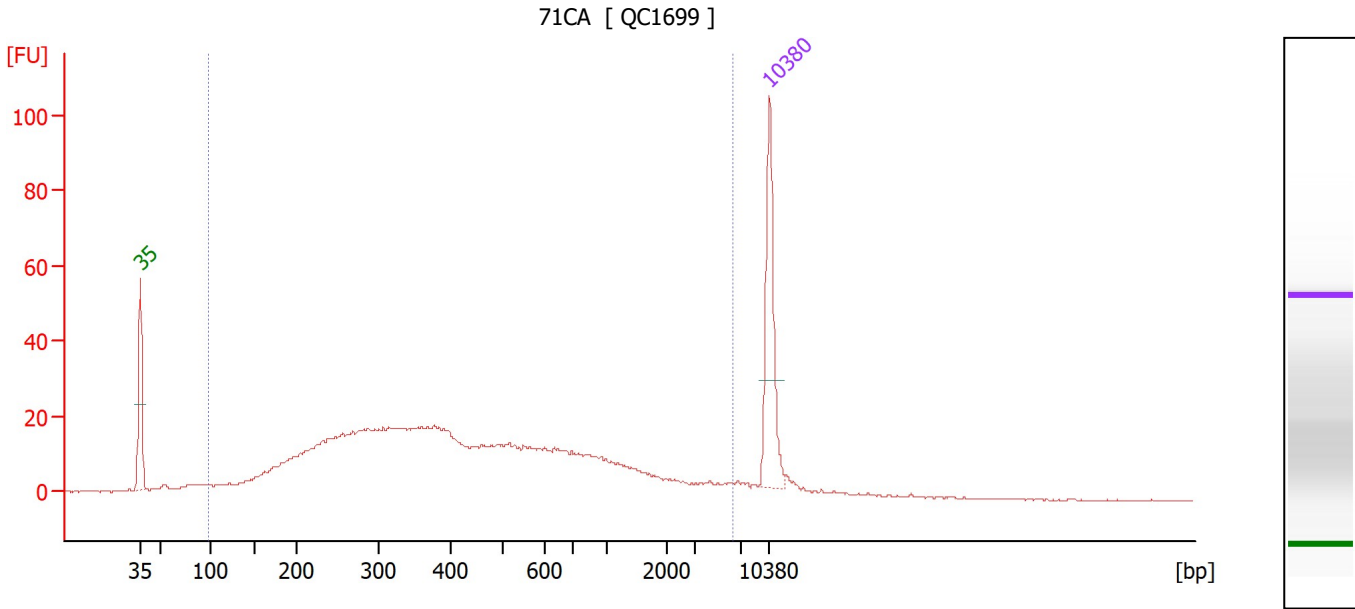
Region table for sample 4 : 71CC

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
96	6,013	828.0	92	621	100.0	1,130.68	5,125.1	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2023-12-11_001.xad

Created: 12/11/2023 9:49:34 AM
 Modified: 12/11/2023 10:33:47 AM

Electropherogram Summary Continued ...



Overall Results for sample 5 : 71CA

Number of peaks found: 0 Corr. Area 1: 758.5
 Noise: 0.2

Peak table for sample 5 : 71CA

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

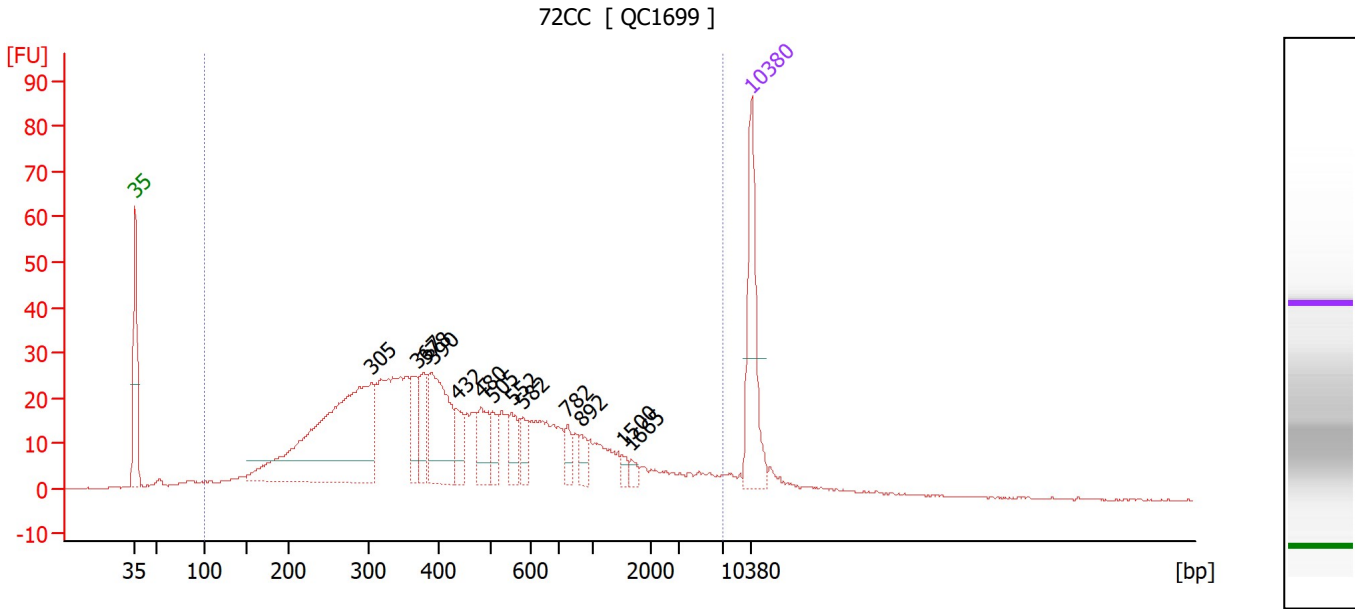
Region table for sample 5 : 71CA

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
97	6,335	758.5	94	629	100.0	941.14	4,487.1	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2023-12-11_001.xad

Created: 12/11/2023 9:49:34 AM
 Modified: 12/11/2023 10:33:47 AM

Electropherogram Summary Continued ...



Overall Results for sample 6 : 72CC

Number of peaks found: 13 Corr. Area 1: 950.5
 Noise: 0.2

Peak table for sample 6 : 72CC

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	305	326.56	1,622.5	
3	367	31.25	129.0	
4	378	40.68	162.9	
5	390	100.49	390.9	
6	432	25.35	89.0	
7	480	33.43	105.5	
8	505	19.29	57.9	
9	552	22.37	61.4	
10	582	20.44	53.3	
11	782	12.79	24.8	
12	892	11.87	20.2	
13	1,500	4.89	4.9	
14	1,665	5.76	5.2	
15	10,380	75.00	10.9	Upper Marker

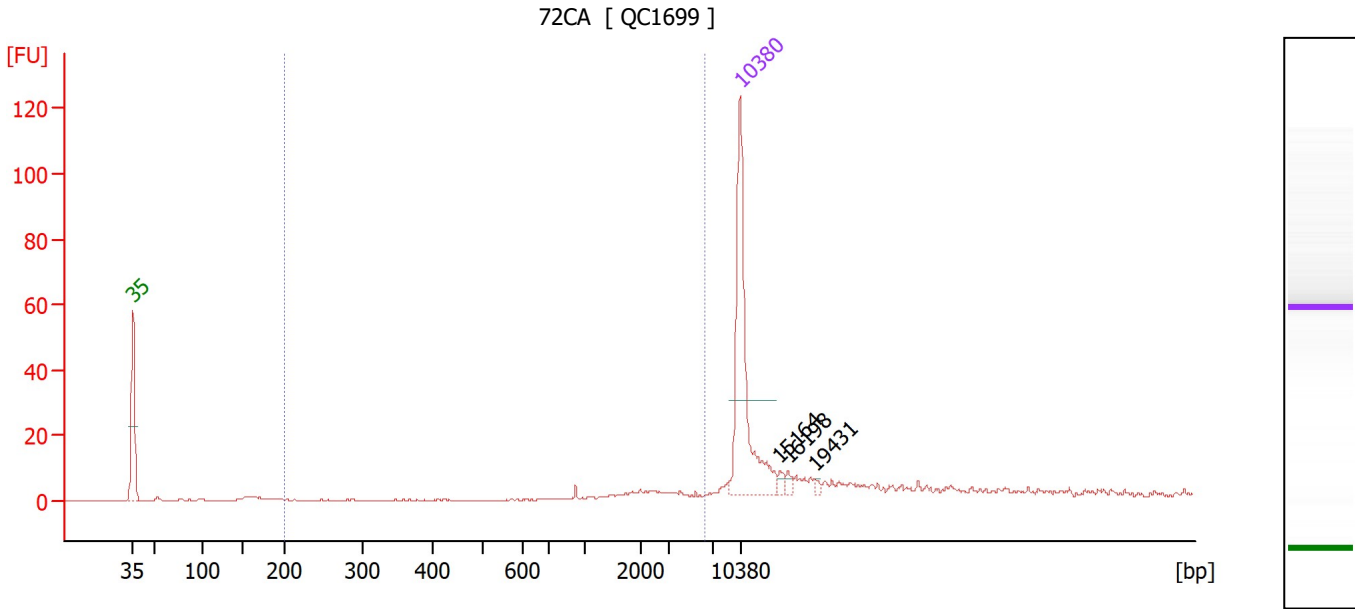
Region table for sample 6 : 72CC

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
100	6,969	950.5	95	660	100.0	1,266.58	5,641.8	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2023-12-11_001.xad

Created: 12/11/2023 9:49:34 AM
 Modified: 12/11/2023 10:33:47 AM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 72CA

Number of peaks found: 3 Corr. Area 1: 11.6
 Noise: 0.2

Peak table for sample 7 : 72CA

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
3	15,164	0.00	0.0	
4	16,198	0.00	0.0	
5	19,431	0.00	0.0	

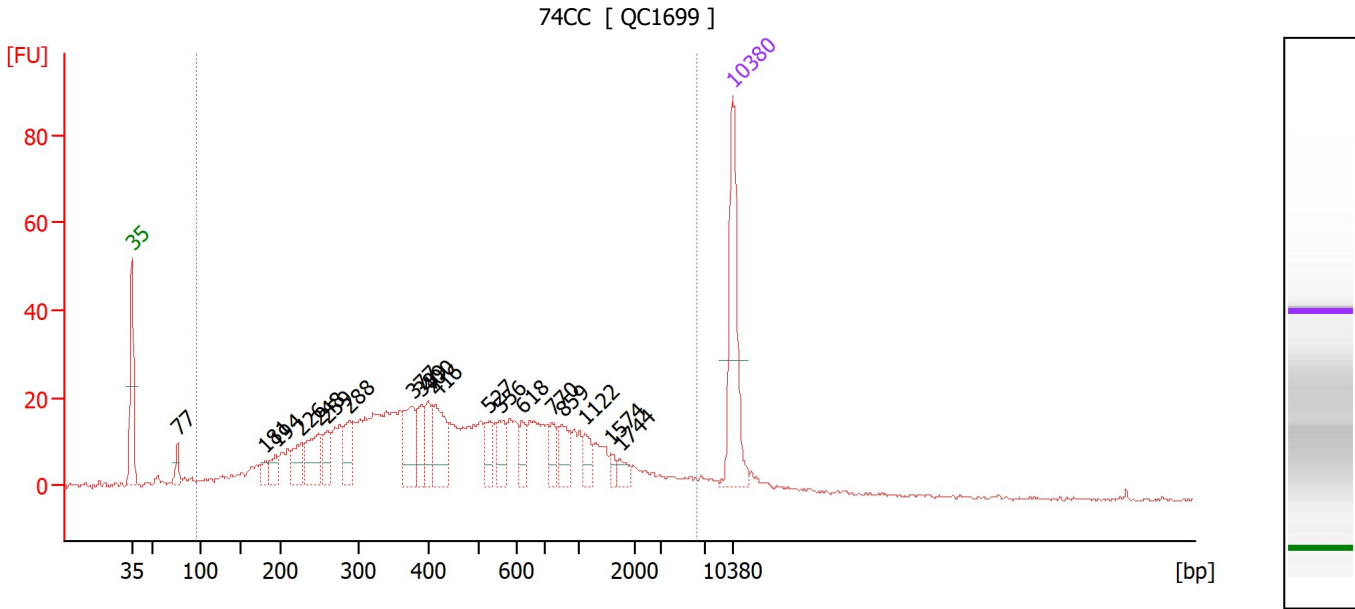
Region table for sample 7 : 72CA

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	6,248	11.6	13	2,556	43.9	7.00	5.1	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2023-12-11_001.xad

Created: 12/11/2023 9:49:34 AM
 Modified: 12/11/2023 10:33:47 AM

Electropherogram Summary Continued ...



Overall Results for sample 8 : 74CC

Number of peaks found: 19 Corr. Area 1: 762.3
 Noise: 0.3

Peak table for sample 8 : 74CC

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	77	13.41	264.6	
3	181	12.82	107.2	
4	194	15.53	121.5	
5	226	29.68	198.7	
6	248	44.03	268.7	
7	259	20.27	118.5	
8	288	29.24	153.8	
9	377	39.90	160.3	
10	389	22.61	88.0	
11	400	26.29	99.5	
12	416	46.47	169.2	
13	527	18.41	53.0	
14	556	21.36	58.2	
15	618	14.22	34.9	
16	770	15.50	30.5	
17	859	20.70	36.5	
18	1,122	12.67	17.1	
19	1,574	5.68	5.5	
20	1,744	7.55	6.6	
21	10,380	75.00	10.9	Upper Marker

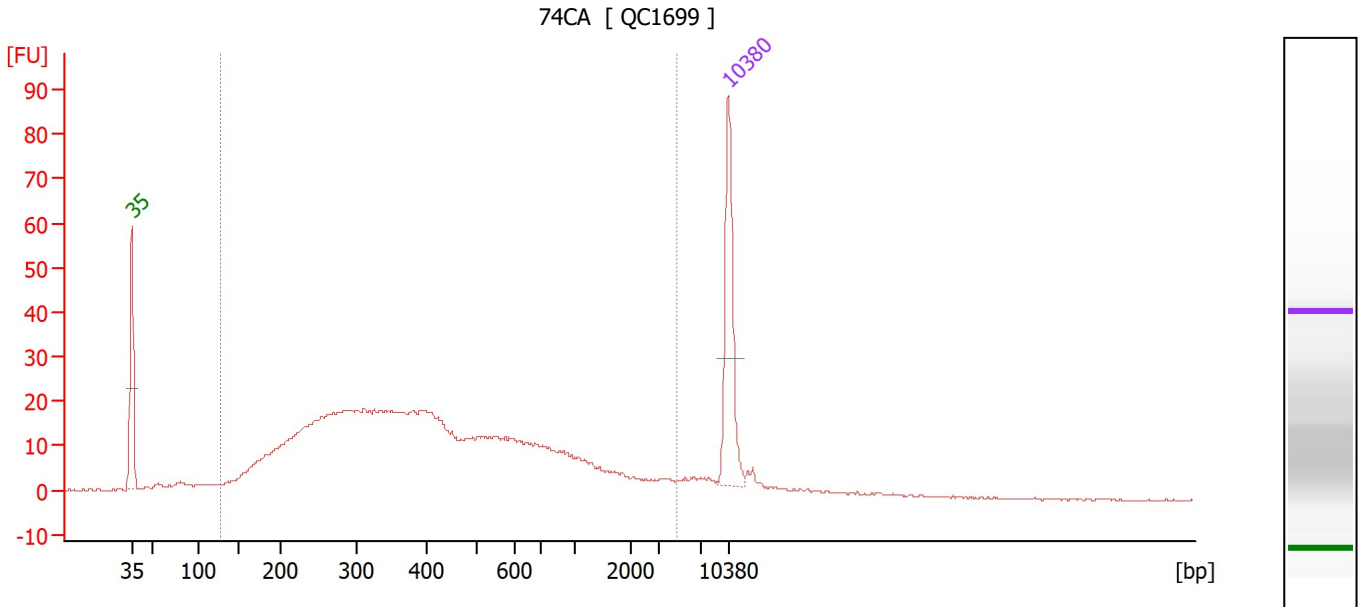
Region table for sample 8 : 74CC

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
97	6,317	762.3	95	670	100.0	976.54	4,203.8	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2023-12-11_001.xad

Created: 12/11/2023 9:49:34 AM
 Modified: 12/11/2023 10:33:47 AM

Electropherogram Summary Continued ...



Overall Results for sample 9 : 74CA

Number of peaks found: 0 Corr. Area 1: 744.0
 Noise: 0.2

Peak table for sample 9 : 74CA

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

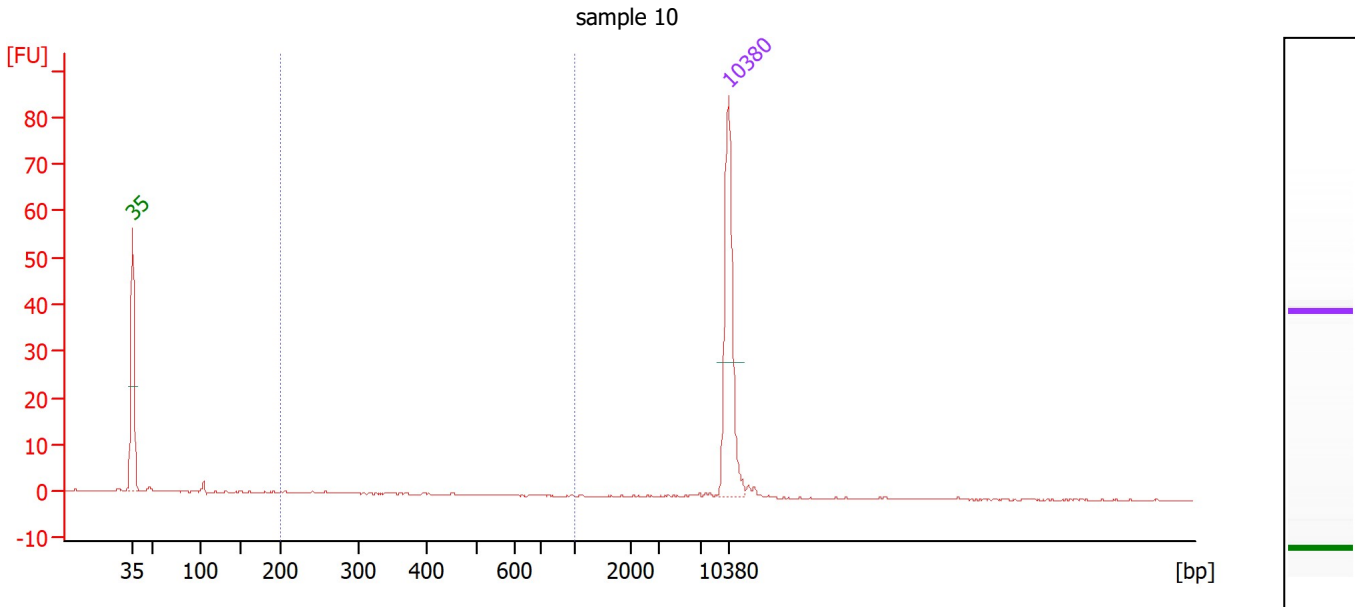
Region table for sample 9 : 74CA

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
126	4,680	744.0	92	554	100.0	1,036.82	4,808.6	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2023-12-11_001.xad

Created: 12/11/2023 9:49:34 AM
 Modified: 12/11/2023 10:33:47 AM

Electropherogram Summary Continued ...



Overall Results for sample 10 : sample 10

Number of peaks found: 0 Corr. Area 1: 0.9
 Noise: 0.1

Peak table for sample 10 : sample 10

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

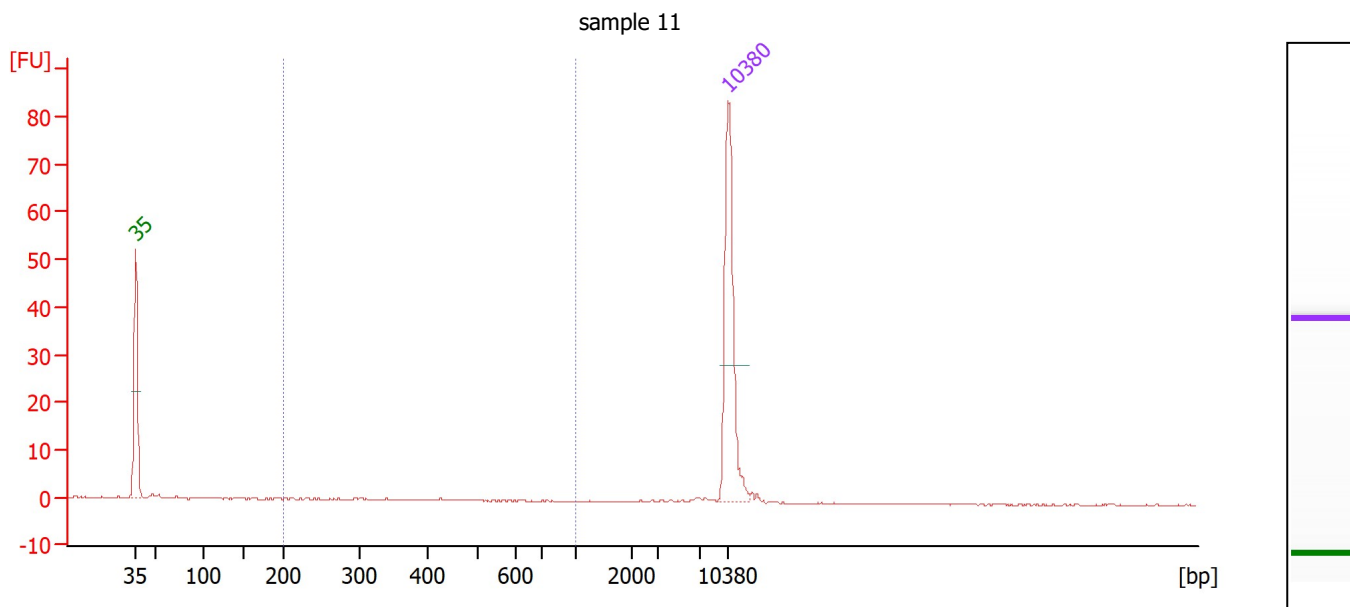
Region table for sample 10 : sample 10

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	0.9	10	322	37.9	1.29	6.9	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2023-12-11_001.xad

Created: 12/11/2023 9:49:34 AM
 Modified: 12/11/2023 10:33:47 AM

Electropherogram Summary Continued ...



Overall Results for sample 11 : sample 11

Number of peaks found: 0 Corr. Area 1: 0.9
 Noise: 0.1

Peak table for sample 11 : sample 11

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

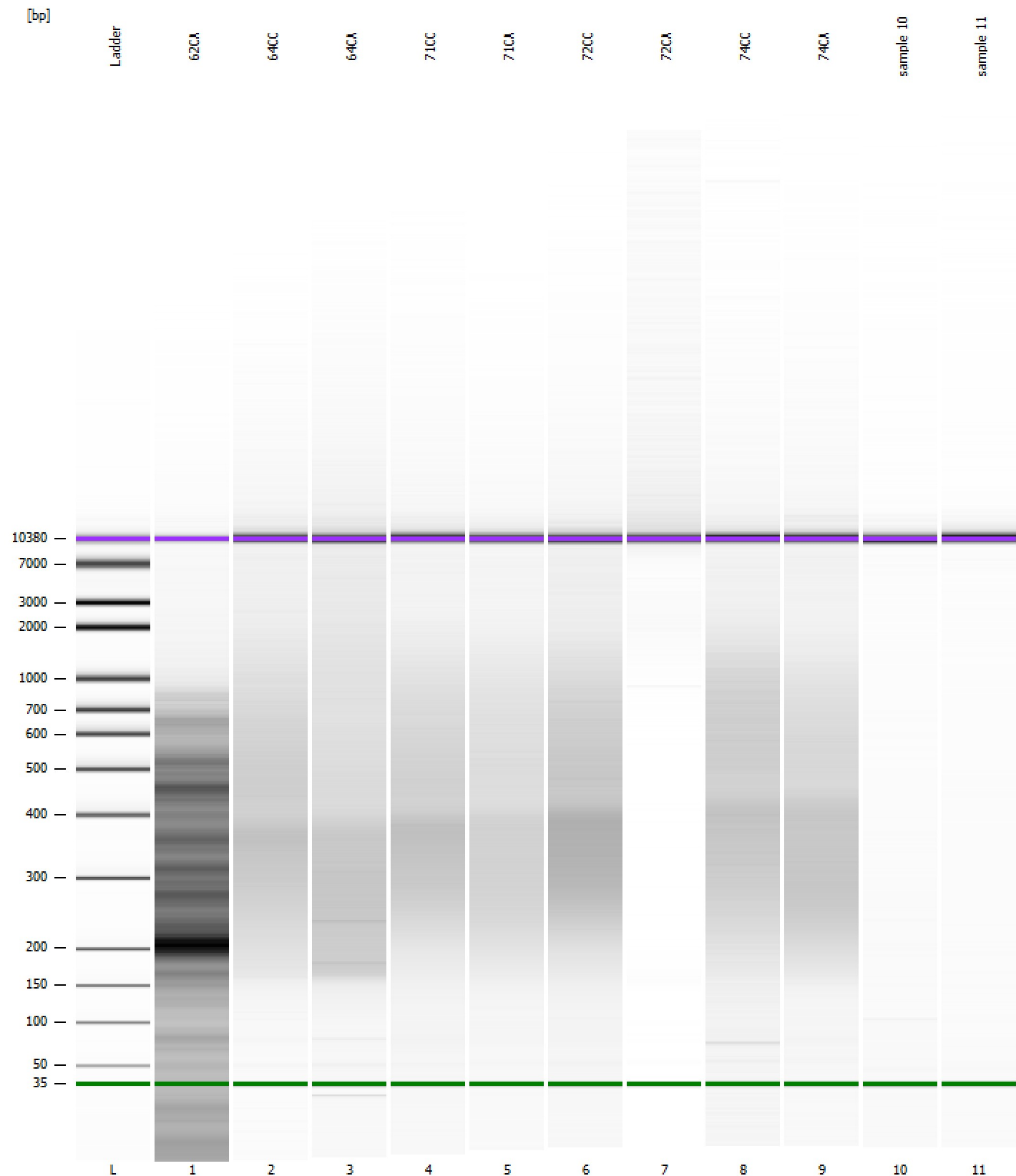
Region table for sample 11 : sample 11

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	0.9	13	363	24.0	1.24	5.6	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2023-12-11_001.xad

Created: 12/11/2023 9:49:34 AM
Modified: 12/11/2023 10:33:47 AM

Gel Image

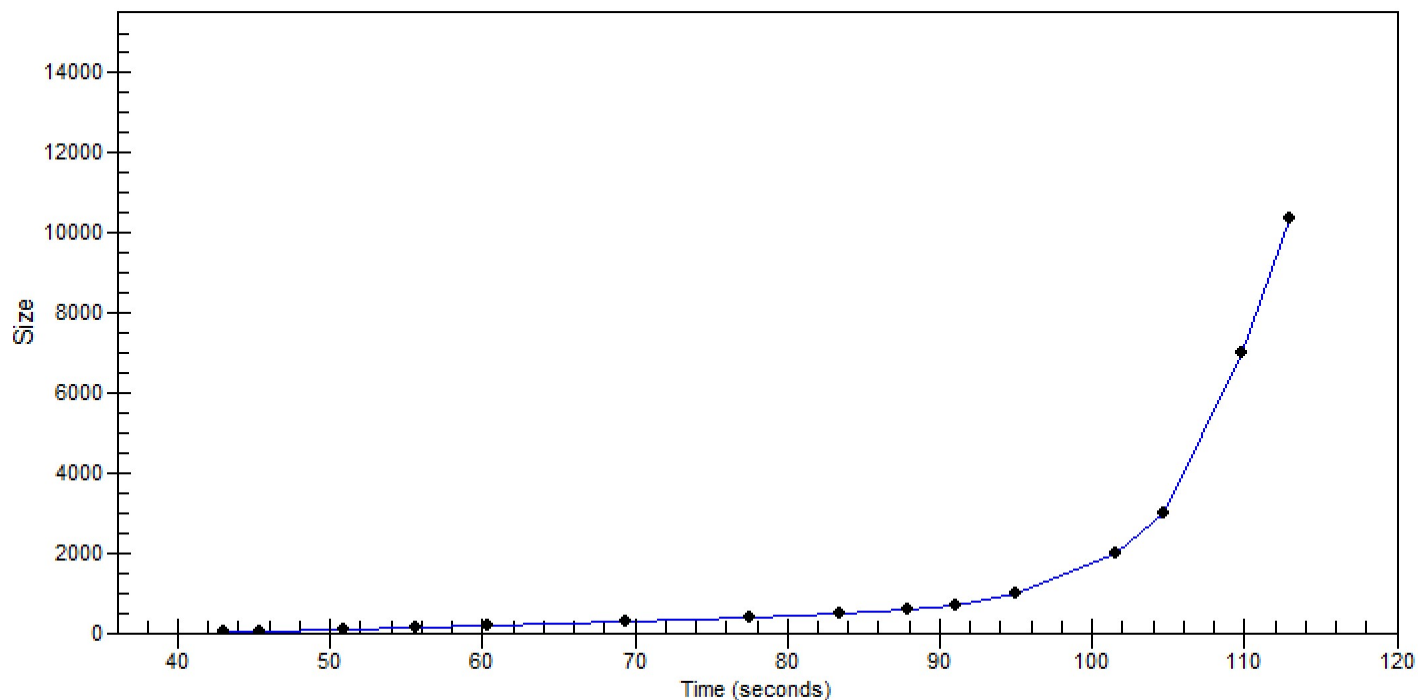


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2023-12-11_001.xad

Created: 12/11/2023 9:49:34 AM
Modified: 12/11/2023 10:33:47 AM

Curves

Standard Curve



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2023-12-11_001.xad

Created: 12/11/2023 9:49:34 AM
 Modified: 12/11/2023 10:33:47 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		12/11/2023 10:30:54 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\2023-12-11\Bioanalyzer1_High Sensitivity DNA Assay_DE34903152_2023-12-11_001.xad)		Instrument	Run		12/11/2023 9:49:41 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		12/11/2023 9:49:41 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		12/11/2023 9:49:41 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		12/11/2023 9:49:41 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		12/11/2023 9:49:41 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		12/11/2023 9:49:41 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		12/11/2023 9:49:41 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB