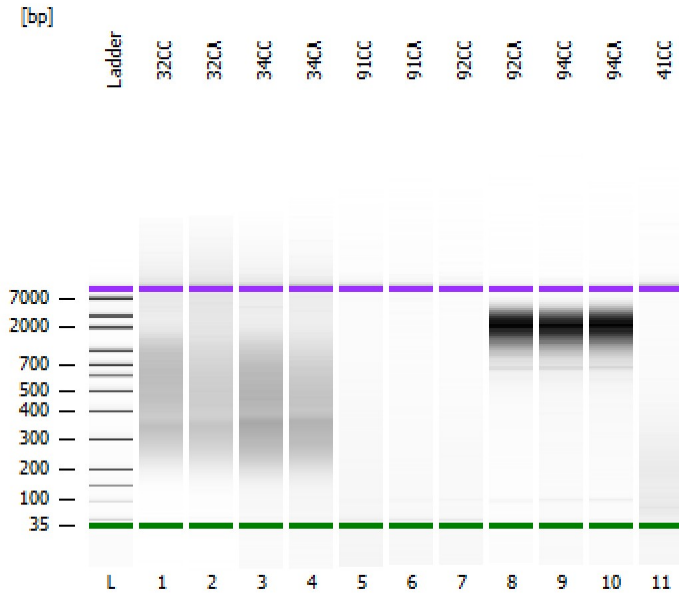


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-01-03_002.xad

Created: 1/3/2024 5:23:39 PM
Modified: 1/3/2024 6:11:03 PM

Electrophoresis File Run Summary



Instrument Information:

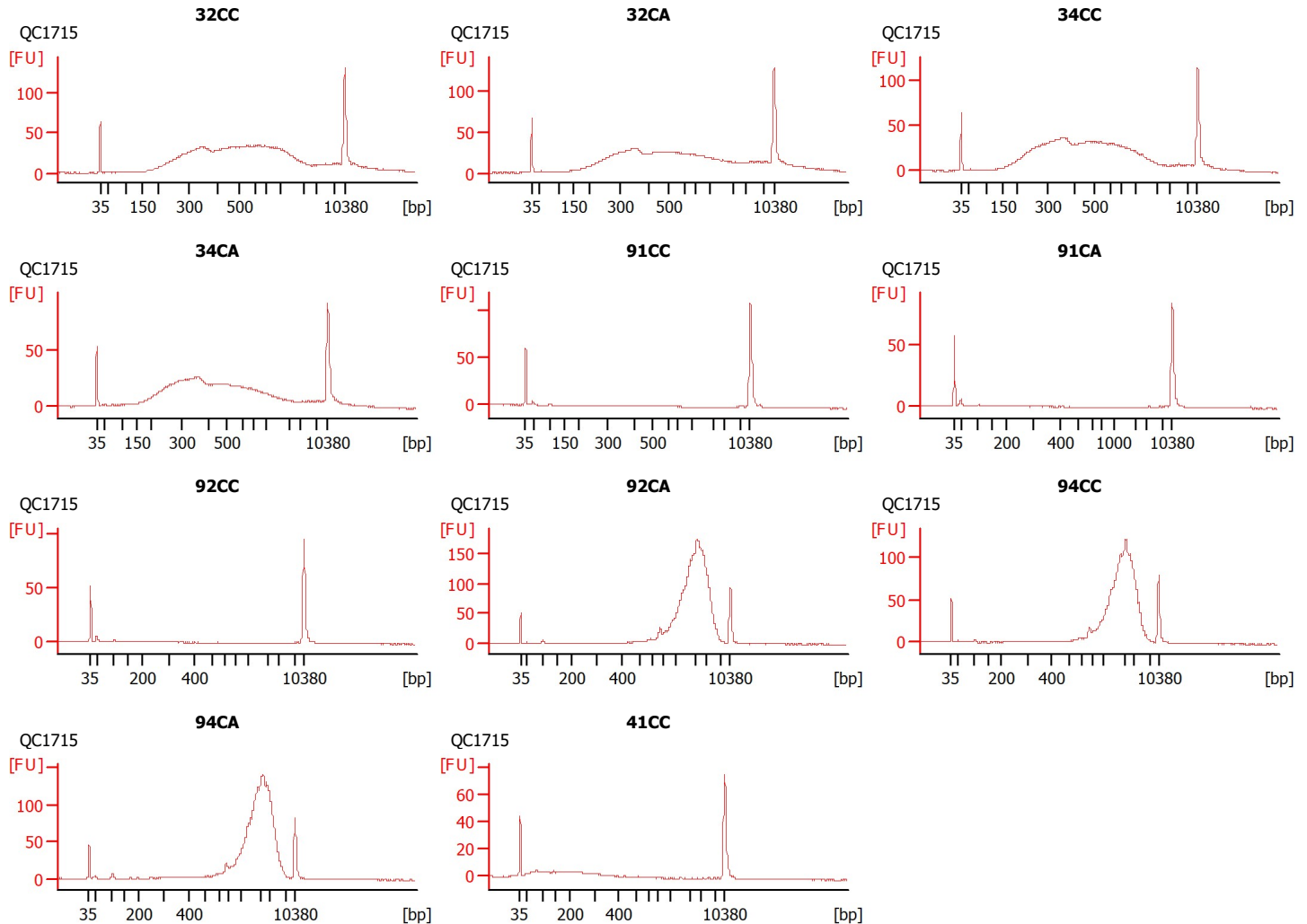
Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

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_2024-01-03_002.xad

Created: 1/3/2024 5:23:39 PM
 Modified: 1/3/2024 6:11:03 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
32CC	QC1715	<input type="checkbox"/>		✓		
32CA	QC1715	<input type="checkbox"/>		✓		
34CC	QC1715	<input type="checkbox"/>		✓		
34CA	QC1715	<input type="checkbox"/>		✓		
91CC	QC1715	<input type="checkbox"/>		✓		
91CA	QC1715	<input type="checkbox"/>		✓		
92CC	QC1715	<input type="checkbox"/>		✓		
92CA	QC1715	<input type="checkbox"/>		✓		
94CC	QC1715	<input type="checkbox"/>		✓		
94CA	QC1715	<input type="checkbox"/>		✓		
41CC	QC1715	<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_2024-01-03_002.xad

Created: 1/3/2024 5:23:39 PM
Modified: 1/3/2024 6:11:03 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

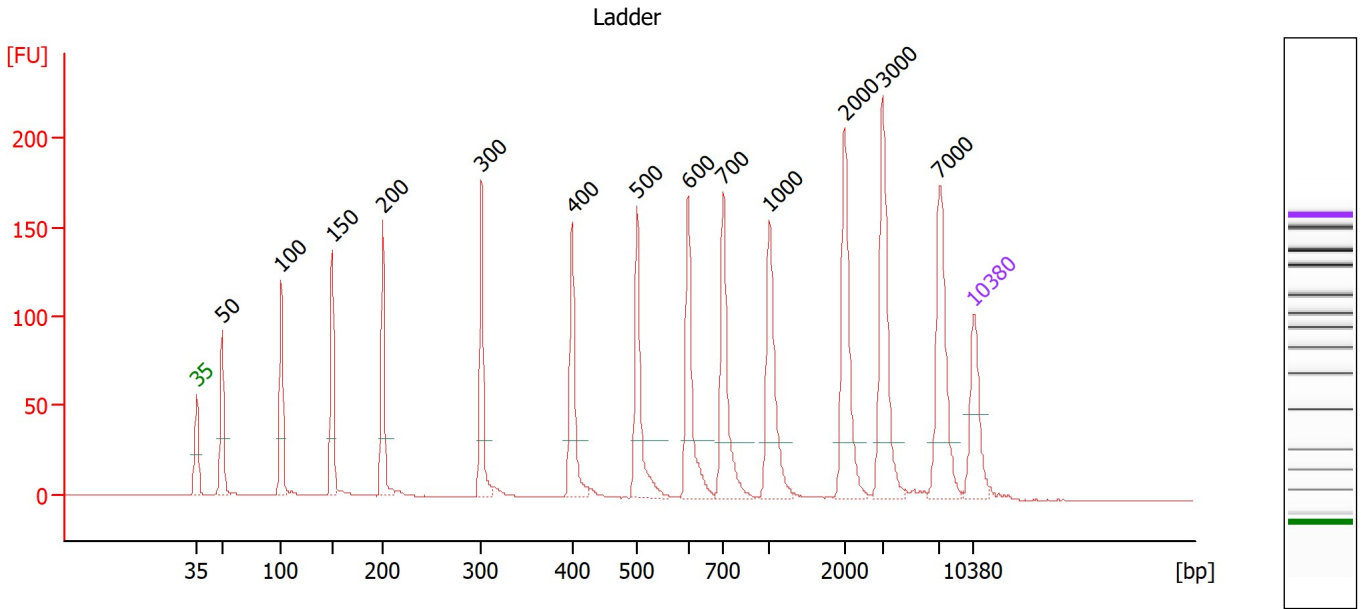
Ladder

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_2024-01-03_002.xad

Created: 1/3/2024 5:23:39 PM
 Modified: 1/3/2024 6:11:03 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.1

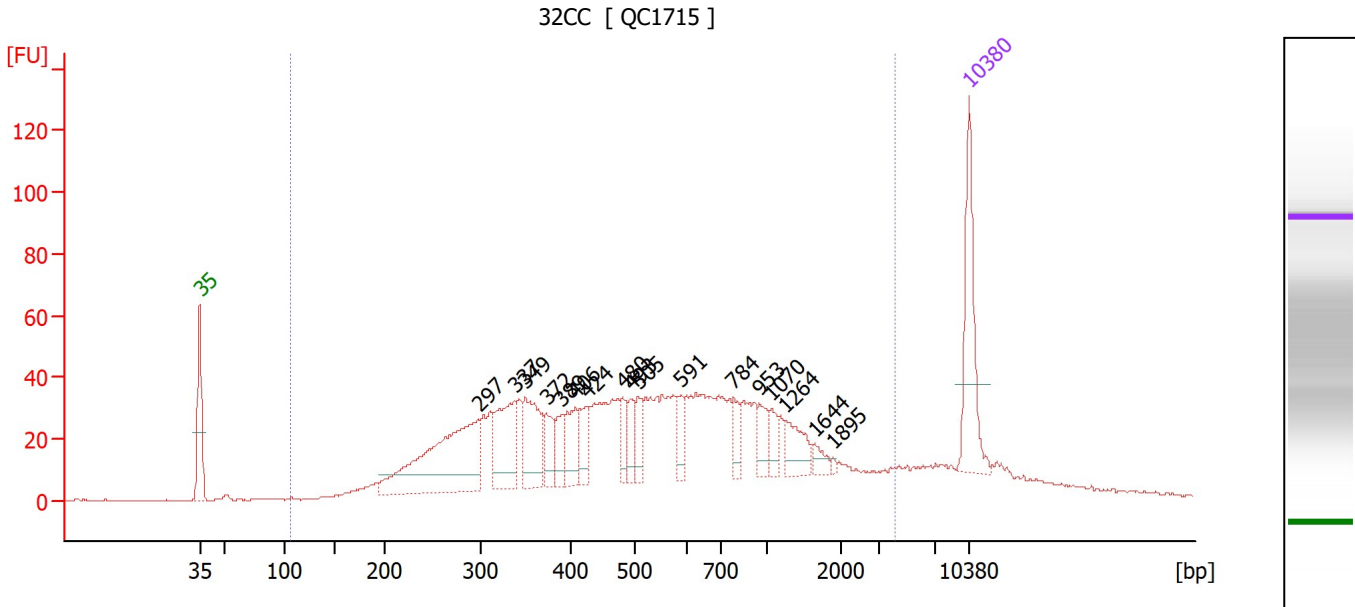
Peak table for Ladder

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_2024-01-03_002.xad

Created: 1/3/2024 5:23:39 PM
 Modified: 1/3/2024 6:11:03 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : 32CC

Number of peaks found: 17 Corr. Area 1: 1,385.5
 Noise: 0.2

Peak table for sample 1 : 32CC

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	297	221.65	1,132.1	
3	337	89.32	401.1	
4	349	79.03	342.8	
5	372	32.91	134.1	
6	389	26.81	104.6	
7	406	43.86	163.5	
8	424	31.57	112.9	
9	480	22.39	70.7	
10	493	25.28	77.6	
11	505	25.21	75.6	
12	591	20.88	53.6	
13	784	18.07	34.9	
14	953	22.35	35.5	
15	1,070	16.97	24.0	
16	1,264	31.04	37.2	
17	1,644	9.79	9.0	
18	1,895	2.26	1.8	
19	10,380	75.00	10.9	Upper Marker

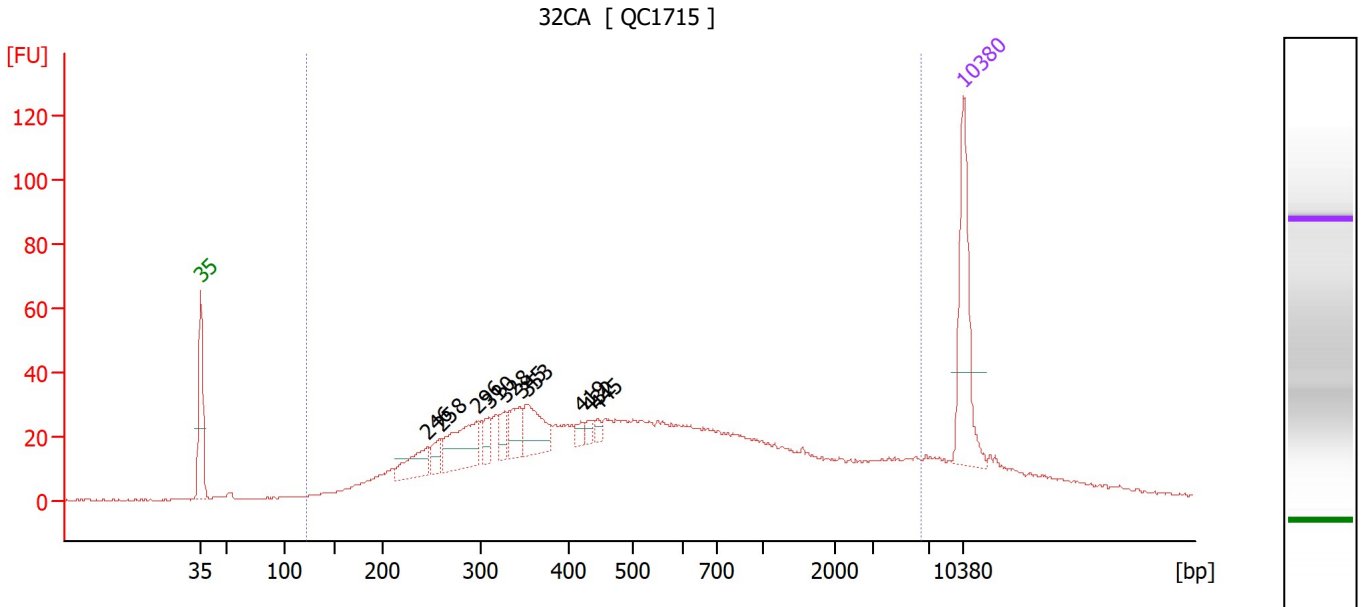
Region table for sample 1 : 32CC

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
107	4,206	1,385.5	94	682	83.4	1,488.39	5,432.8	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-01-03_002.xad

Created: 1/3/2024 5:23:39 PM
 Modified: 1/3/2024 6:11:03 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : 32CA

Number of peaks found: 10 Corr. Area 1: 1,192.0
 Noise: 0.3

Peak table for sample 2 : 32CA

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	246	37.86	233.4	
3	258	17.97	105.3	
4	296	65.49	334.7	
5	310	15.25	74.5	
6	328	16.67	77.0	
7	345	27.64	121.5	
8	353	45.84	197.0	
9	419	8.63	31.2	
10	432	6.66	23.4	
11	445	5.84	19.9	
12	10,380	75.00	10.9	Upper Marker

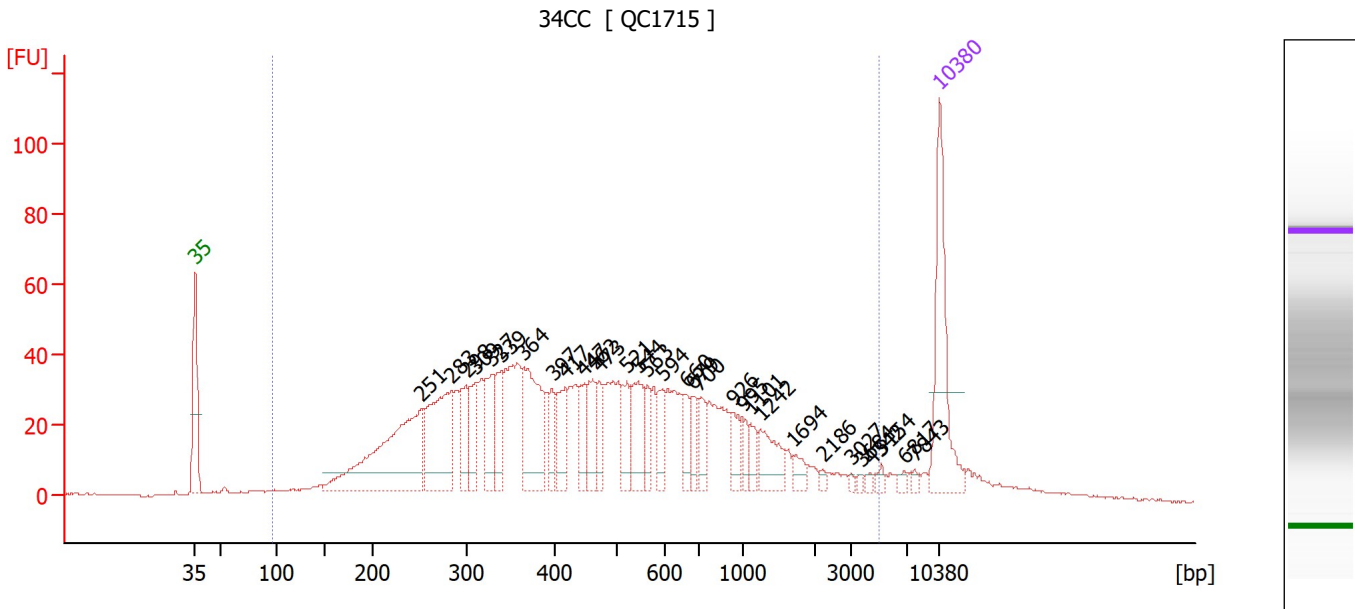
Region table for sample 2 : 32CA

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
123	6,400	1,192.0	91	857	100.0	1,210.21	4,725.8	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-01-03_002.xad

Created: 1/3/2024 5:23:39 PM
 Modified: 1/3/2024 6:11:03 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : 34CC

Number of peaks found: 31 Corr. Area 1: 1,528.8
 Noise: 0.3

Peak table for sample 3 : 34CC

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	251	192.76	1,164.9	
3	283	116.75	625.3	
4	298	37.66	191.4	
5	309	35.43	173.7	
6	327	46.18	213.7	
7	339	39.33	176.0	
8	364	90.62	376.9	
9	397	23.53	89.8	
10	417	34.20	124.2	
11	447	25.94	87.9	
12	462	33.84	111.1	
13	473	24.11	77.3	
14	521	27.73	80.7	
15	544	43.62	121.6	
16	563	20.60	55.4	
17	594	20.69	52.8	
18	660	18.27	41.9	
19	679	19.27	43.0	
20	700	21.61	46.8	
21	926	18.36	30.0	
22	995	11.19	17.0	
23	1,101	12.43	17.1	
24	1,242	31.47	38.4	
25	1,694	9.13	8.2	
26	2,186	2.97	2.1	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-01-03_002.xad

Created: 1/3/2024 5:23:39 PM
 Modified: 1/3/2024 6:11:03 PM

Electropherogram Summary Continued ...

... Peak table for sample 3 : 34CC

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	3,027	2.15	1.1	
28	3,684	2.34	1.0	
29	4,342	2.46	0.9	
30	5,154	3.72	1.1	
31	6,817	3.28	0.7	
32	7,843	2.65	0.5	
33	▶ 10,380	75.00	10.9	Upper Marker

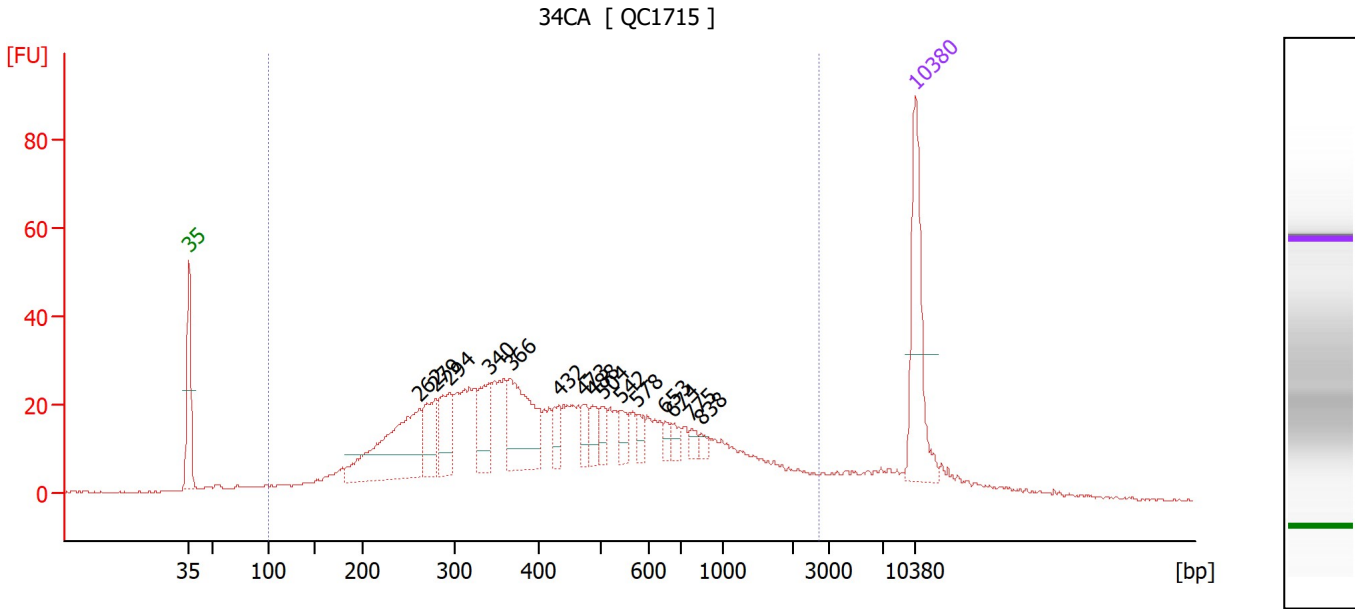
Region table for sample 3 : 34CC

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
97	5,014	1,528.8	95	627	97.6	1,557.93	6,489.6	■

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-01-03_002.xad

Created: 1/3/2024 5:23:39 PM
 Modified: 1/3/2024 6:11:03 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : 34CA

Number of peaks found: 15 Corr. Area 1: 968.9
 Noise: 0.3

Peak table for sample 4 : 34CA

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	262	144.67	837.0	
3	279	48.49	263.7	
4	294	49.38	254.7	
5	340	46.50	207.4	
6	366	93.16	386.1	
7	432	17.15	60.2	
8	473	15.49	49.6	
9	488	16.78	52.1	
10	504	13.33	40.1	
11	542	15.43	43.2	
12	578	9.08	23.8	
13	653	7.81	18.1	
14	674	9.01	20.3	
15	775	6.71	13.1	
16	838	4.97	9.0	
17	10,380	75.00	10.9	Upper Marker

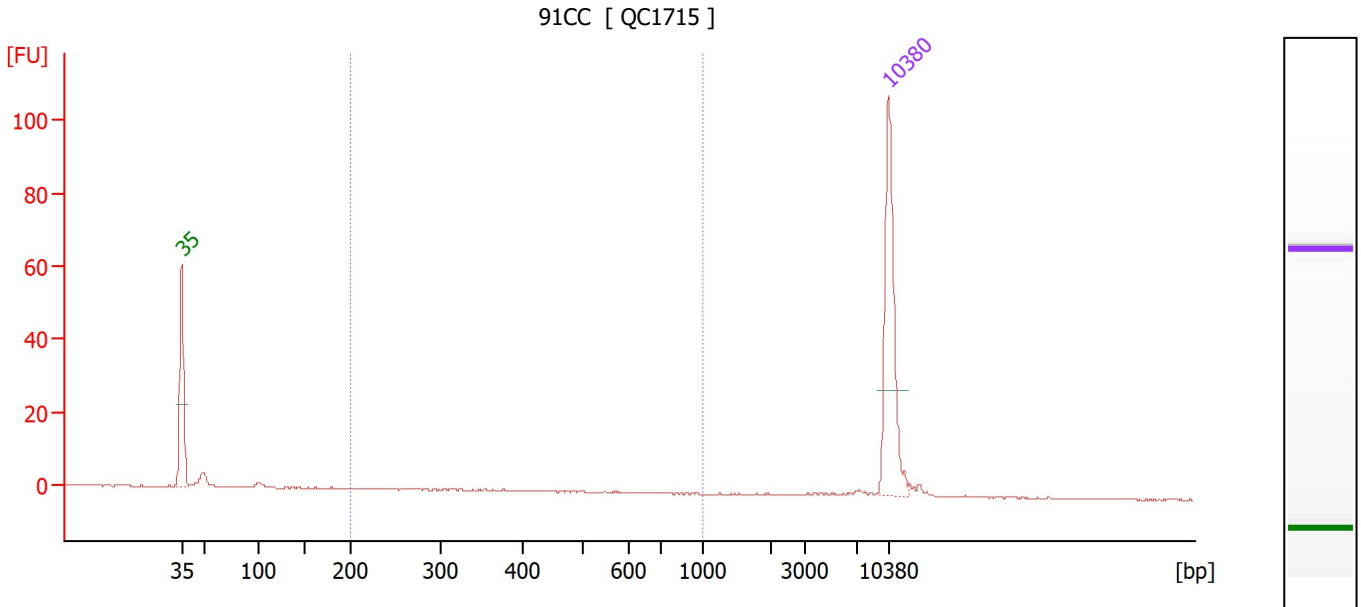
Region table for sample 4 : 34CA

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
102	2,738	968.9	91	541	76.4	1,227.65	5,389.9	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-01-03_002.xad

Created: 1/3/2024 5:23:39 PM
 Modified: 1/3/2024 6:11:03 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : 91CC

Number of peaks found: 0 Corr. Area 1: 9.5
 Noise: 0.2

Peak table for sample 5 : 91CC

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

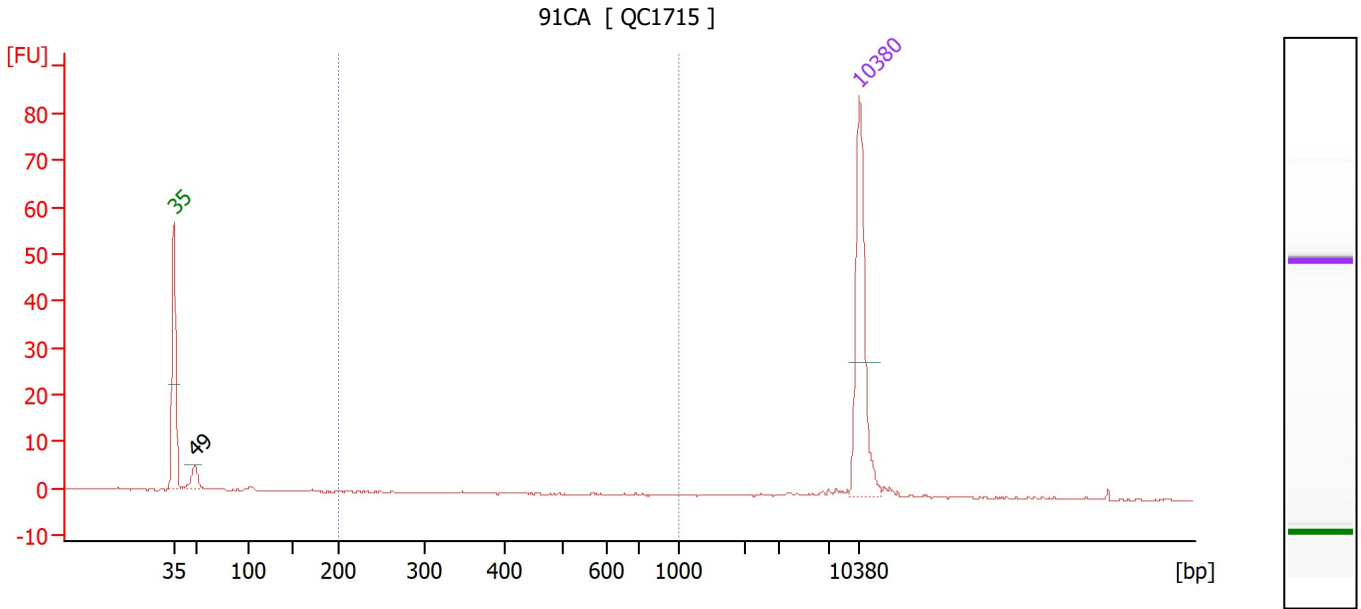
Region table for sample 5 : 91CC

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	9.5	22	405	37.0	10.82	48.0	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-01-03_002.xad

Created: 1/3/2024 5:23:39 PM
 Modified: 1/3/2024 6:11:03 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : 91CA

Number of peaks found: 1 Corr. Area 1: 1.8
 Noise: 0.1

Peak table for sample 6 : 91CA

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	49	16.14	497.3	
3	10,380	75.00	10.9	Upper Marker

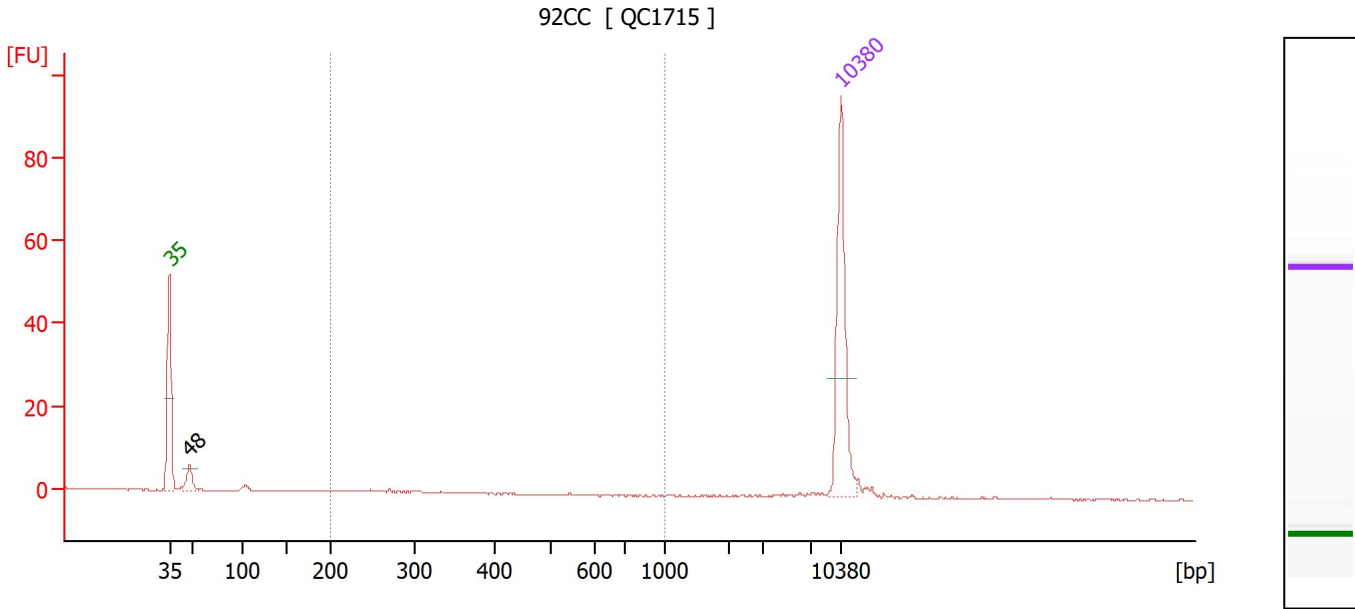
Region table for sample 6 : 91CA

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	1.8	6	487	43.6	2.42	9.8	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-01-03_002.xad

Created: 1/3/2024 5:23:39 PM
 Modified: 1/3/2024 6:11:03 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 92CC

Number of peaks found: 1 Corr. Area 1: 5.7
 Noise: 0.2

Peak table for sample 7 : 92CC

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	48	17.21	539.1	
3	10,380	75.00	10.9	Upper Marker

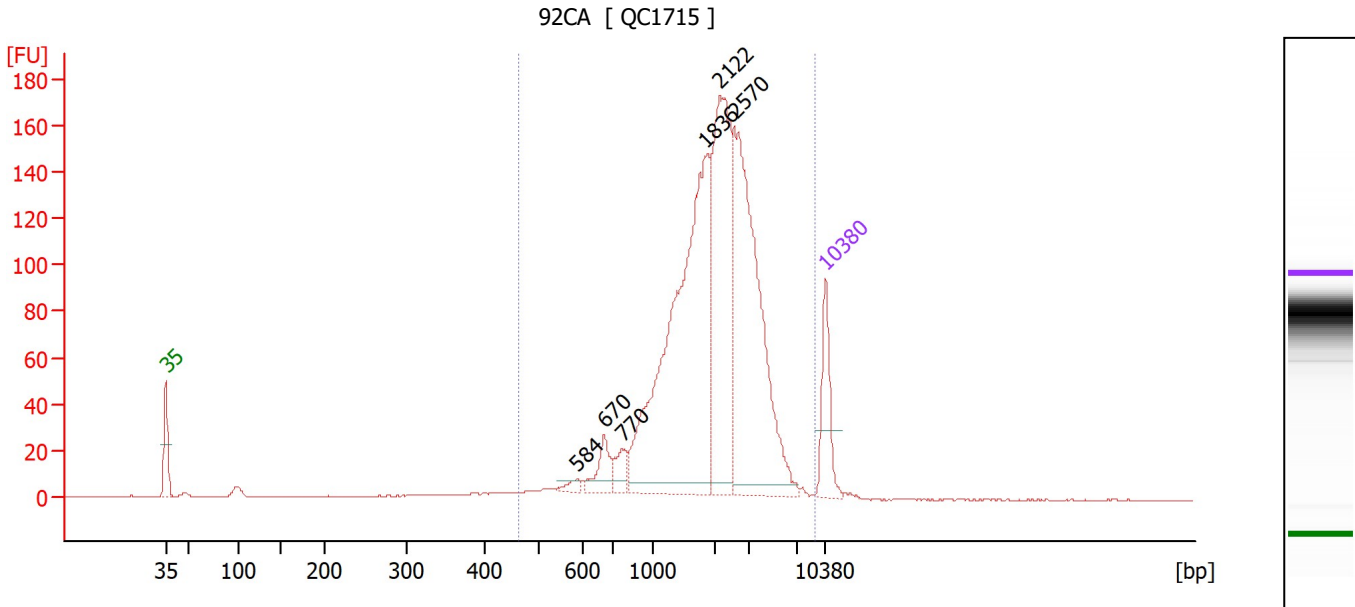
Region table for sample 7 : 92CC

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	5.7	18	283	22.4	8.65	48.3	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-01-03_002.xad

Created: 1/3/2024 5:23:39 PM
 Modified: 1/3/2024 6:11:03 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : 92CA

Number of peaks found: 6 Corr. Area 1: 1,645.3
 Noise: 0.1

Peak table for sample 8 : 92CA

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	584	11.90	30.9	
3	670	48.99	110.8	
4	770	34.17	67.2	
5	1,836	637.34	526.0	
6	2,122	339.03	242.1	
7	2,570	460.71	271.7	
8	10,380	75.00	10.9	Upper Marker

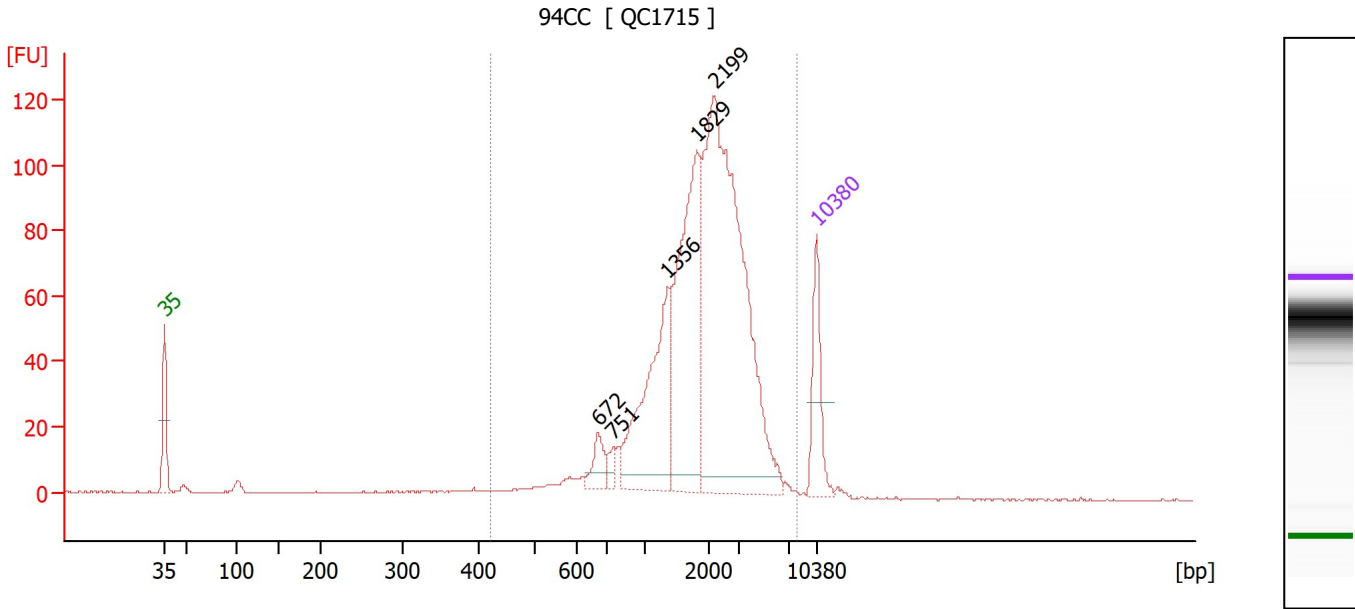
Region table for sample 8 : 92CA

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
462	9,000	1,645.3	96	2,226	52.1	1,677.28	1,549.9	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-01-03_002.xad

Created: 1/3/2024 5:23:39 PM
 Modified: 1/3/2024 6:11:03 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : 94CC

Number of peaks found: 5 Corr. Area 1: 1,113.6
 Noise: 0.2

Peak table for sample 9 : 94CC

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	672	35.59	80.3	
3	751	15.01	30.3	
4	1,356	214.05	239.2	
5	1,829	306.55	253.9	
6	2,199	617.08	425.2	
7	10,380	75.00	10.9	Upper Marker

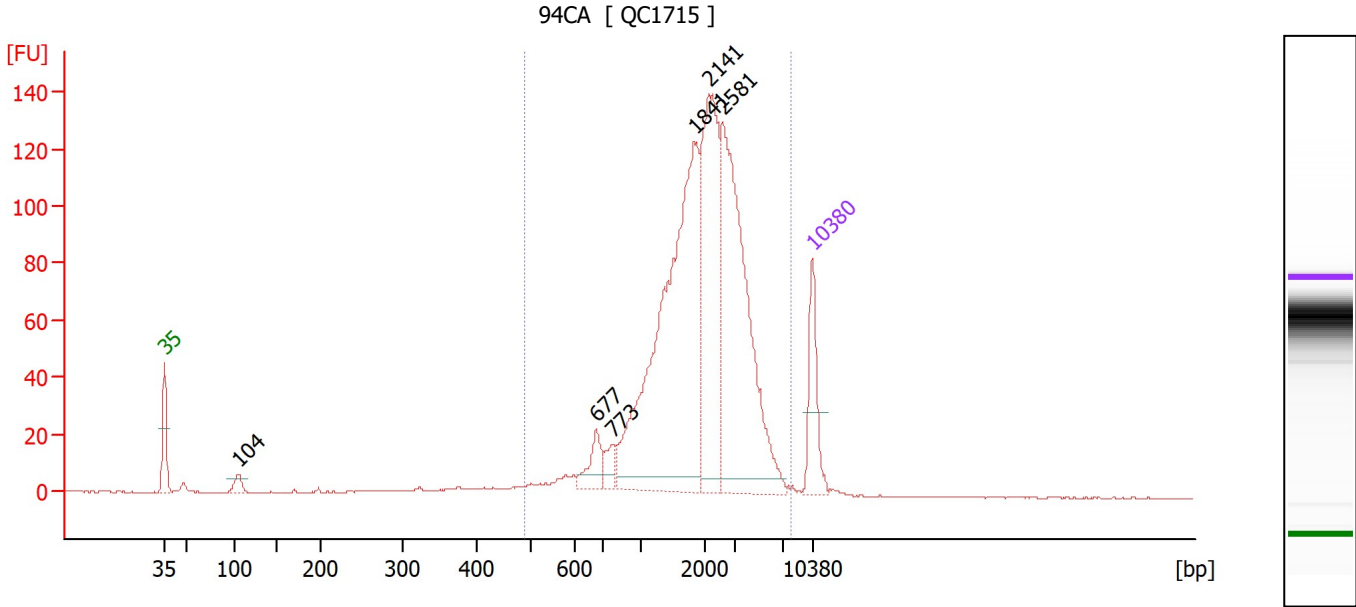
Region table for sample 9 : 94CC

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
421	7,948	1,113.6	96	2,134	51.1	1,317.16	1,268.1	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-01-03_002.xad

Created: 1/3/2024 5:23:39 PM
 Modified: 1/3/2024 6:11:03 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : 94CA

Number of peaks found: 6 Corr. Area 1: 1,321.8
 Noise: 0.2

Peak table for sample 10 : 94CA

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	104	24.07	352.3	
3	677	45.88	102.7	
4	773	27.33	53.6	
5	1,841	595.80	490.3	
6	2,141	294.37	208.3	
7	2,581	428.19	251.4	
8	10,380	75.00	10.9	Upper Marker

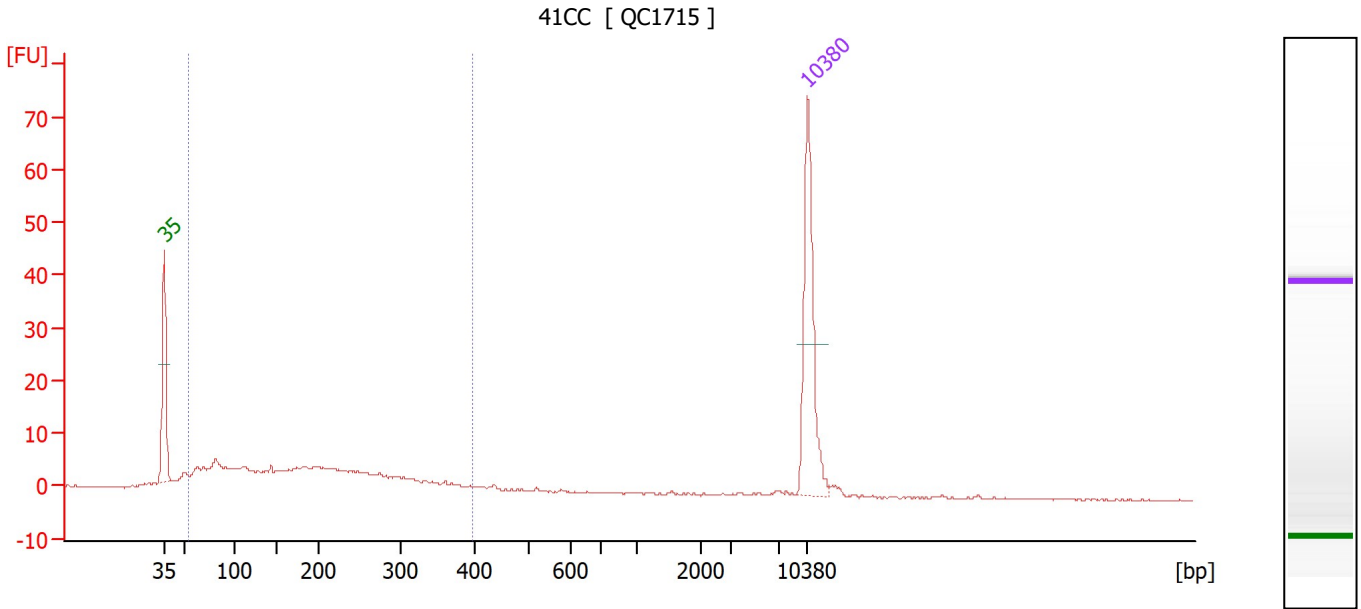
Region table for sample 10 : 94CA

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/µl]	Molarity [pmol/l]	Color
488	7,794	1,321.8	96	2,222	51.5	1,511.52	1,389.7	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-01-03_002.xad

Created: 1/3/2024 5:23:39 PM
 Modified: 1/3/2024 6:11:03 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : 41CC

Number of peaks found: 0 Corr. Area 1: 149.6
 Noise: 0.2

Peak table for sample 11 : 41CC

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

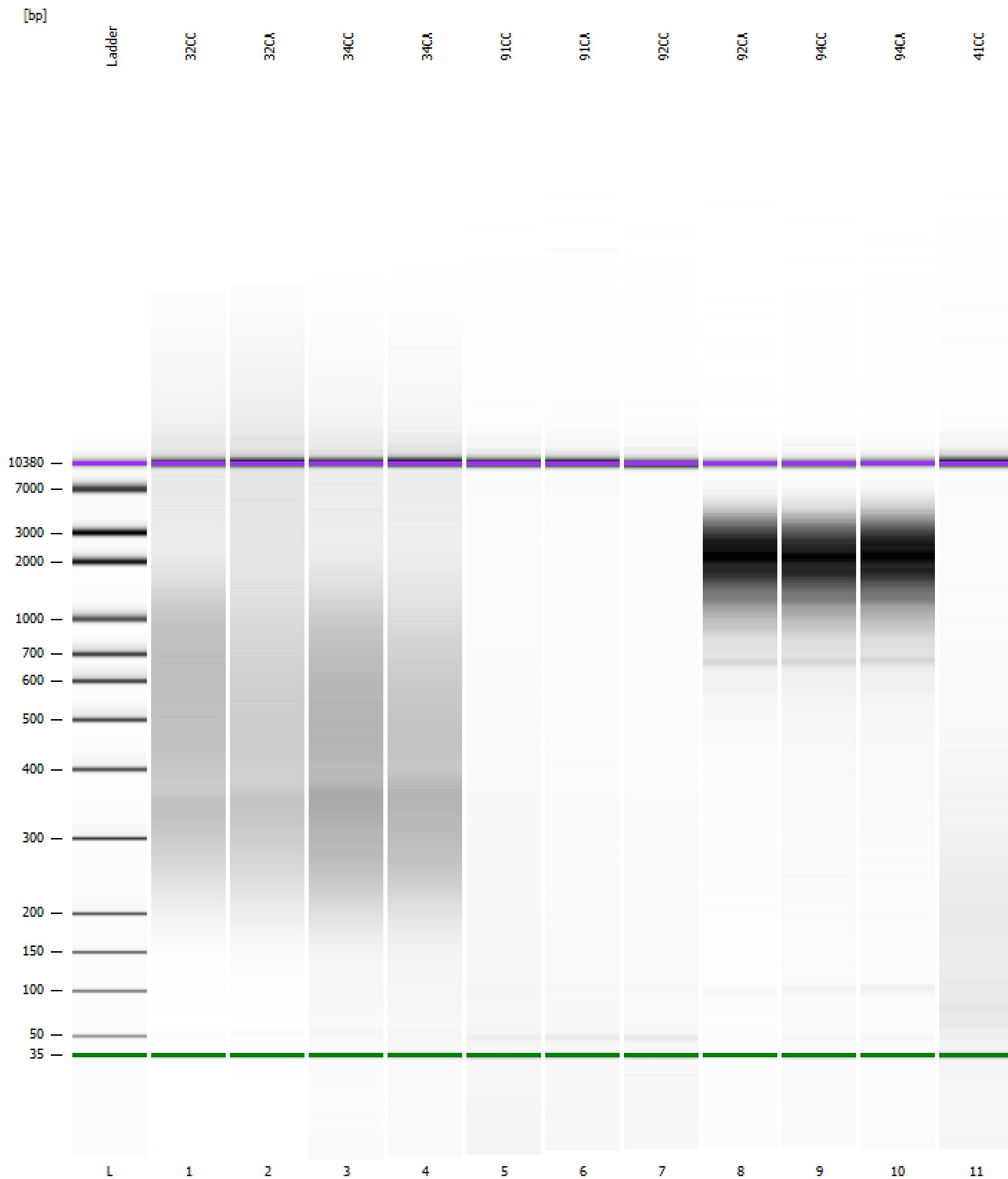
Region table for sample 11 : 41CC

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
53	398	149.6	88	191	46.3	277.46	3,115.3	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-01-03_002.xad

Created: 1/3/2024 5:23:39 PM
Modified: 1/3/2024 6:11:03 PM

Gel Image

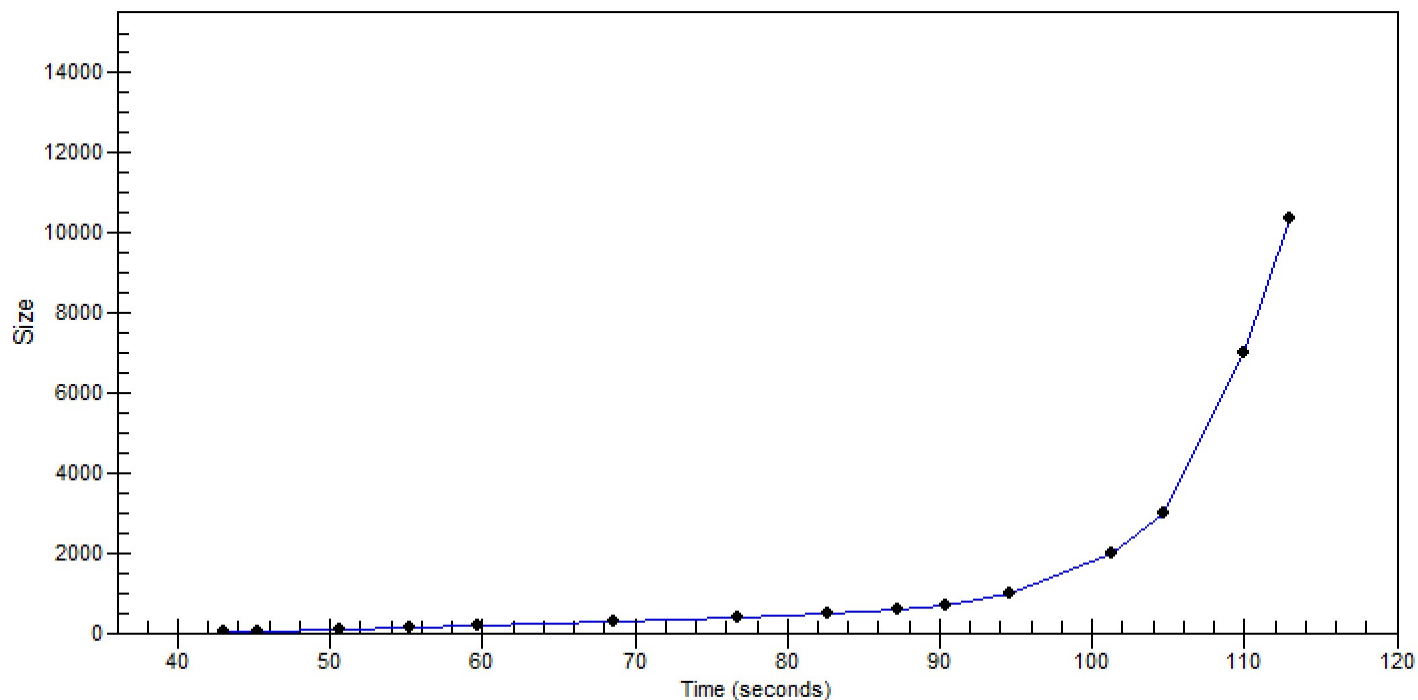


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-01-03_002.xad

Created: 1/3/2024 5:23:39 PM
Modified: 1/3/2024 6:11:03 PM

Curves

Standard Curve



Assay Class: High Sensitivity DNA Assay Created: 1/3/2024 5:23:39 PM
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-01-03_002.xad Modified: 1/3/2024 6:11:03 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		1/3/2024 6:04:05 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\2024-01-03\Bioanalyzer1_High Sensitivity DNA Assay_DE34903152_2024-01-03_002.xad)		Instrument	Run		1/3/2024 5:23:44 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		1/3/2024 5:23:44 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		1/3/2024 5:23:44 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		1/3/2024 5:23:44 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		1/3/2024 5:23:44 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		1/3/2024 5:23:44 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		1/3/2024 5:23:44 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB