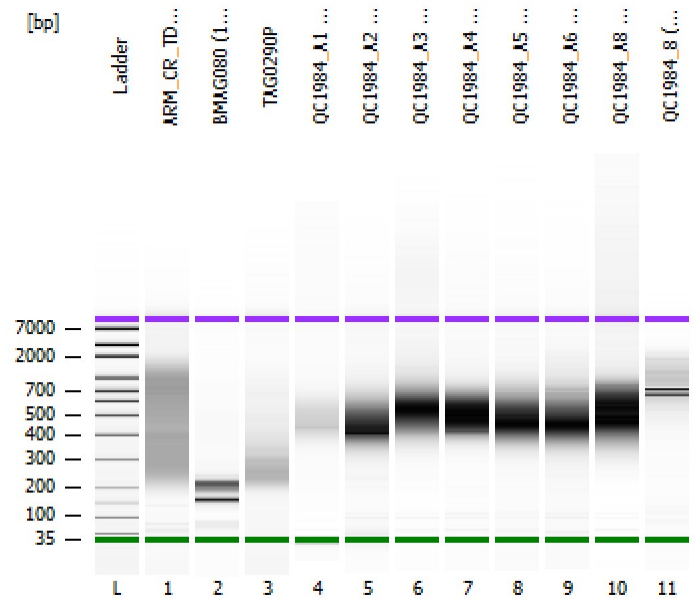
Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-09-30_002.xad

Created: 9/30/2024 4:42:04 PM
Modified: 9/30/2024 5:27:19 PM

Electrophoresis File Run Summary



Instrument Information:

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

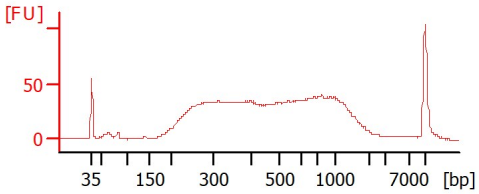
Assay Information:

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

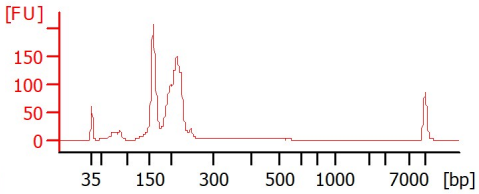
Chip Information:

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

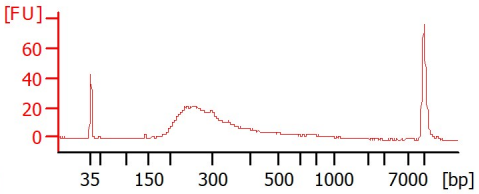
ARM_CR_TDM (1:10)



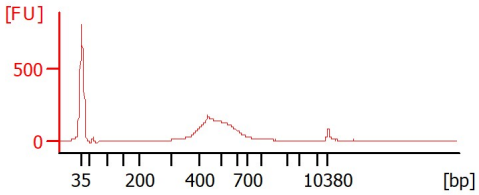
BMAG080 (1:15)



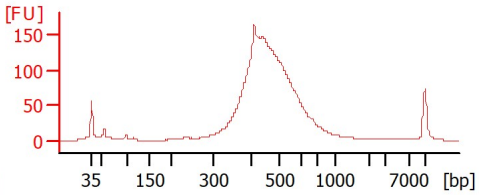
TAG0290P



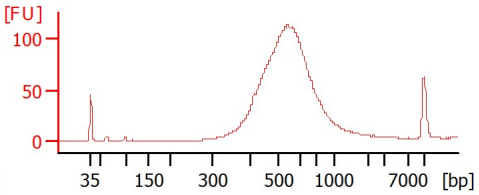
QC1984_A1 (1:20)



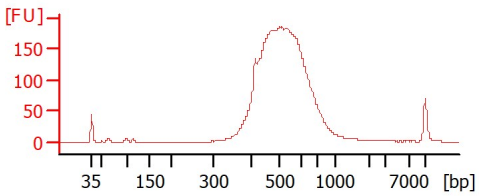
QC1984_A2 (1:10)



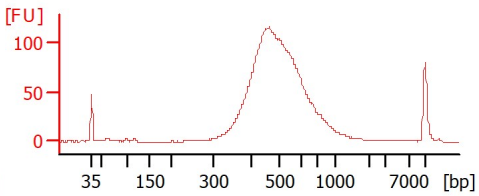
QC1984_A3 (1:15)



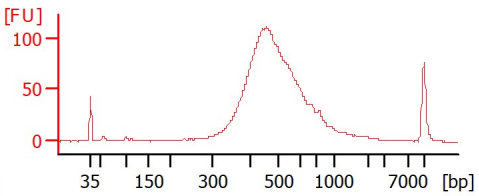
QC1984_A4 (1:15)



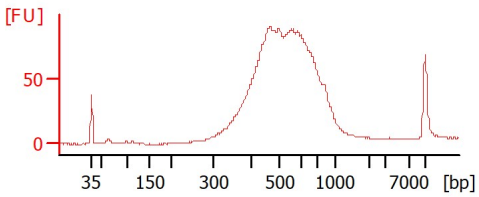
QC1984_A5 (1:15)



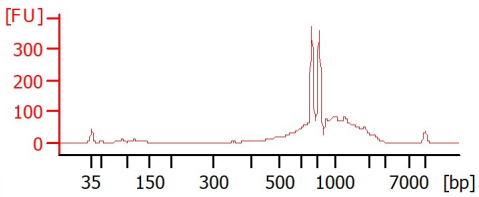
QC1984_A6 (1:10)



QC1984_A8 (1:15)



QC1984_8 (1:2)



Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-09-30_002.xad

Created: 9/30/2024 4:42:04 PM
Modified: 9/30/2024 5:27:19 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Statu s	Observation	Result Label	Result Color
ARM_CR_TDM (1:10)		☐	✔			
BMAG080 (1:15)		☐	✔			
TAG0290P		☐	✔			
QC1984_A1 (1:20)		☐	✔			
QC1984_A2 (1:10)		☐	✔			
QC1984_A3 (1:15)		☐	✔			
QC1984_A4 (1:15)		☐	✔			
QC1984_A5 (1:15)		☐	✔			
QC1984_A6 (1:10)		☐	✔			
QC1984_A8 (1:15)		☐	✔			
QC1984_8 (1:2)		☐	✔			
Ladder		☐	✔			

Chip Lot # **Reagent Kit Lot #**

Chip Comments :

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-09-30_002.xad

Created: 9/30/2024 4:42:04 PM
Modified: 9/30/2024 5:27:19 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

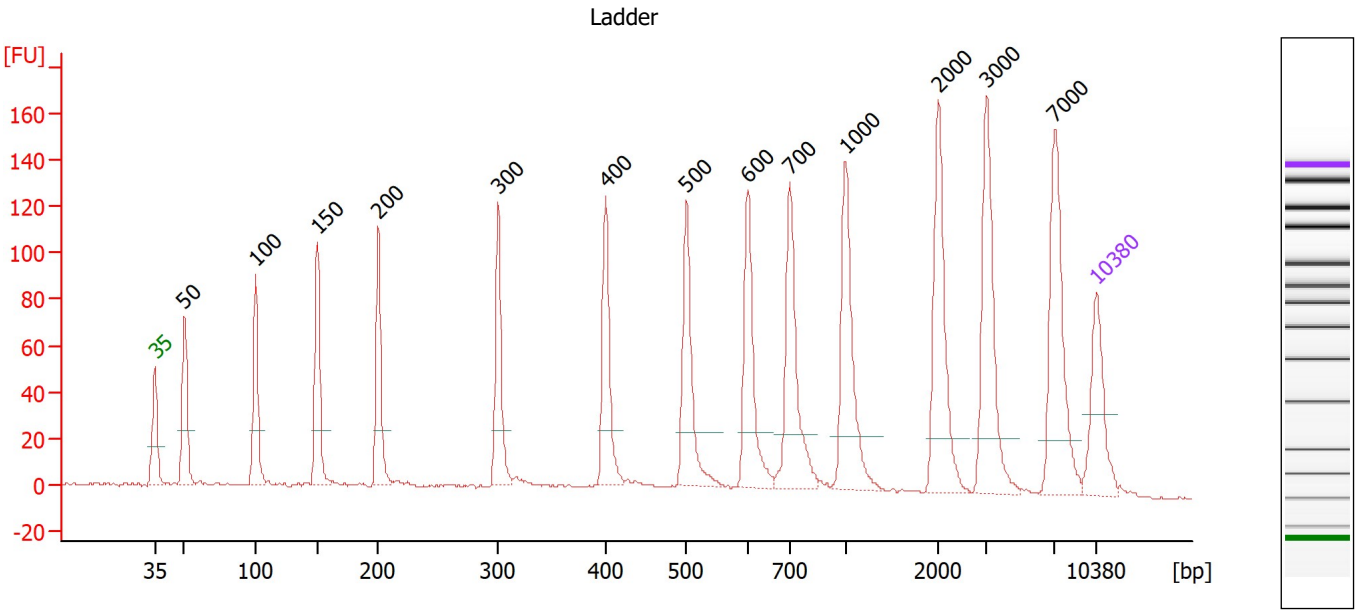
Ladder

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_2024-09-30_002.xad

Created: 9/30/2024 4:42:04 PM
Modified: 9/30/2024 5:27:19 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.3

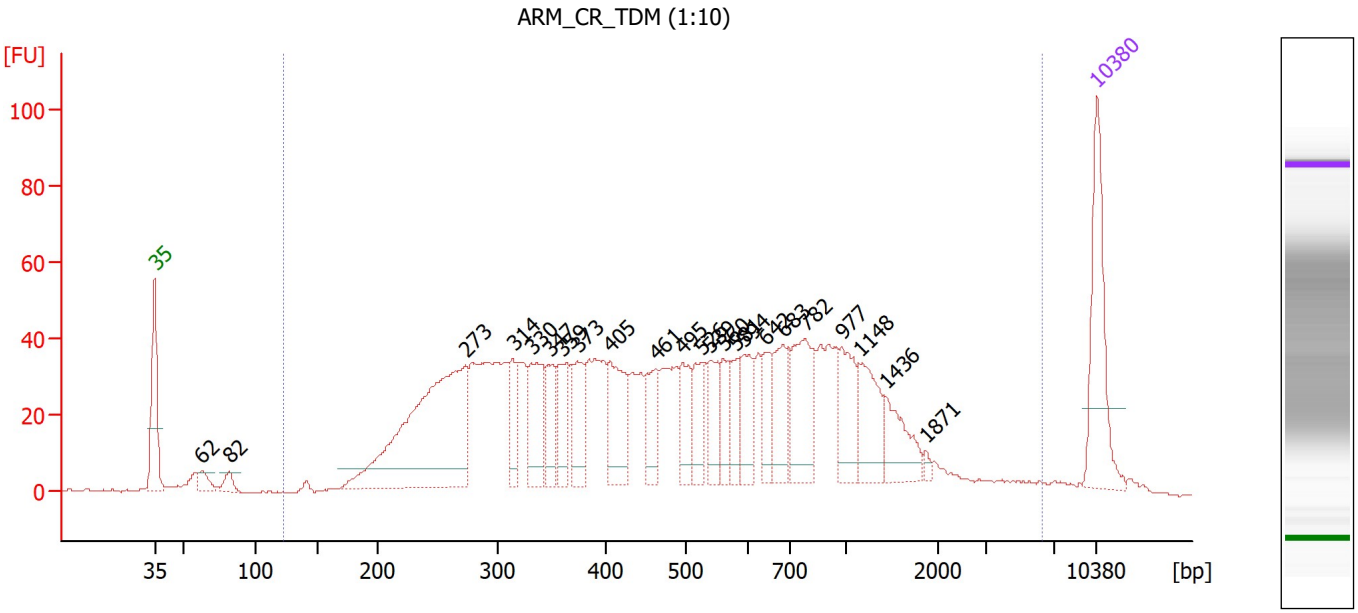
Peak table for Ladder

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_2024-09-30_002.xad

Created: 9/30/2024 4:42:04 PM
Modified: 9/30/2024 5:27:19 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : ARM_CR_TDM (1:10)

Number of peaks found:	23	Corr. Area 1:	1,659.4
Noise:	0.2		

Peak table for sample 1 : ARM_CR_TDM (1:10)

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	62	16.65	404.3	
3	82	13.26	246.2	
4	273	304.73	1,692.8	
5	314	39.72	191.8	
6	330	65.71	301.3	
7	347	38.17	166.6	
8	359	40.10	169.1	
9	373	47.01	190.8	
10	405	65.21	243.7	
11	461	36.75	120.7	
12	495	39.65	121.3	
13	526	36.32	104.6	
14	539	36.41	102.4	
15	560	27.12	73.4	
16	581	28.58	74.6	
17	594	39.14	99.9	
18	642	27.33	64.5	
19	683	47.87	106.2	
20	782	72.52	140.5	
21	977	47.49	73.7	
22	1,148	48.91	64.6	
23	1,436	38.02	40.1	
24	1,871	3.81	3.1	
25	10,380	75.00	10.9	Upper Marker

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-09-30_002.xad

Created: 9/30/2024 4:42:04 PM
Modified: 9/30/2024 5:27:19 PM

Electropherogram Summary Continued ...

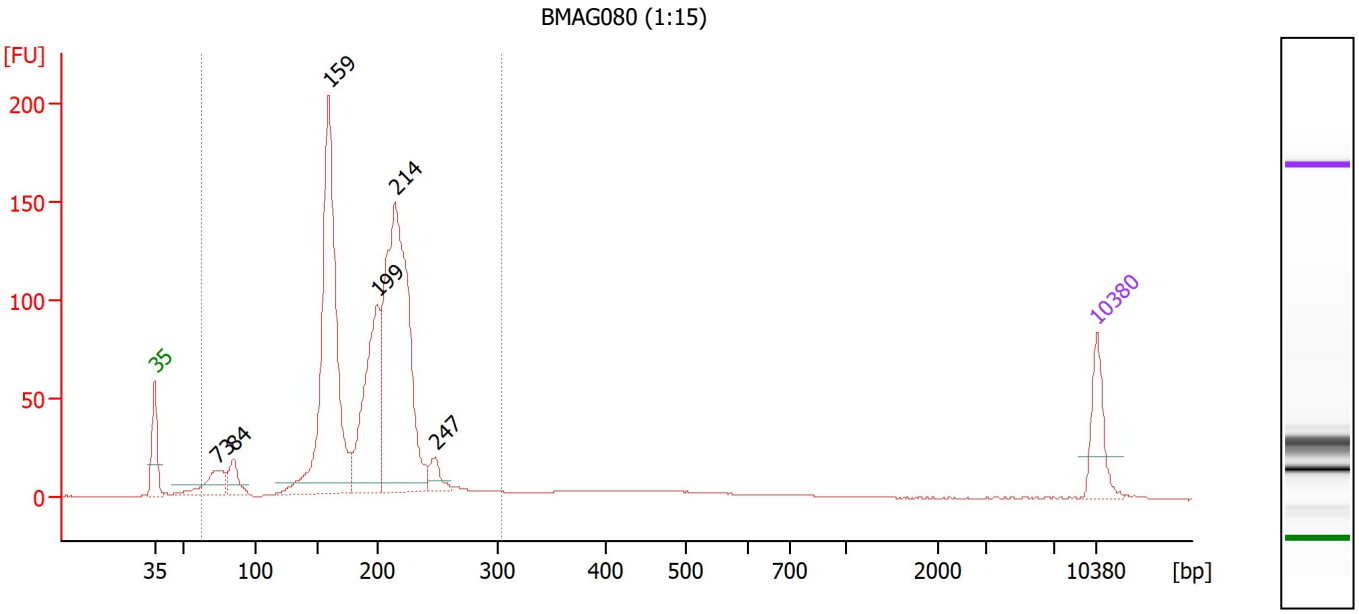
... Region table for sample 1 : ARM_CR_TDM (1:10)

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/µl]	Molarity [pmol/l]	Color
122	6,281	1,659.4	97	659	93.4	1,868.42	7,108.4	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-09-30_002.xad

Created: 9/30/2024 4:42:04 PM
Modified: 9/30/2024 5:27:19 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : BMAG080 (1:15)

Number of peaks found:	6	Corr. Area 1:	1,298.6
Noise:	0.1		

Peak table for sample 2 : BMAG080 (1:15)

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	73	97.48	2,034.7	
3	84	61.52	1,106.3	
4	159	815.82	7,750.1	
5	199	370.56	2,821.6	
6	214	848.10	6,005.8	
7	247	43.81	268.8	
8	10,380	75.00	10.9	Upper Marker

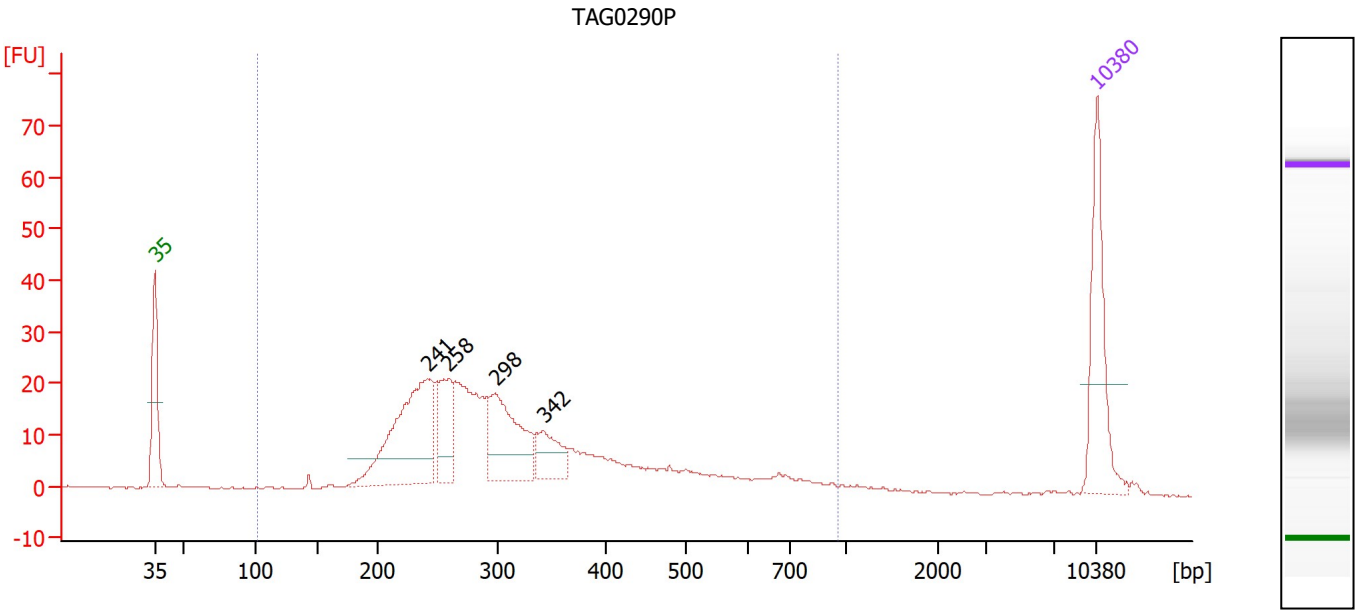
Region table for sample 2 : BMAG080 (1:15)

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/µl]	Molarity [pmol/l]	Color
62	303	1,298.6	91	189	20.9	2,373.72	20,843.6	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-09-30_002.xad

Created: 9/30/2024 4:42:04 PM
Modified: 9/30/2024 5:27:19 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : TAG0290P

Number of peaks found:	4	Corr. Area 1:	438.7
Noise:	0.1		

Peak table for sample 3 : TAG0290P

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	241	187.81	1,182.0	
3	258	67.89	398.0	
4	298	109.81	559.2	
5	342	41.33	182.9	
6	10,380	75.00	10.9	Upper Marker

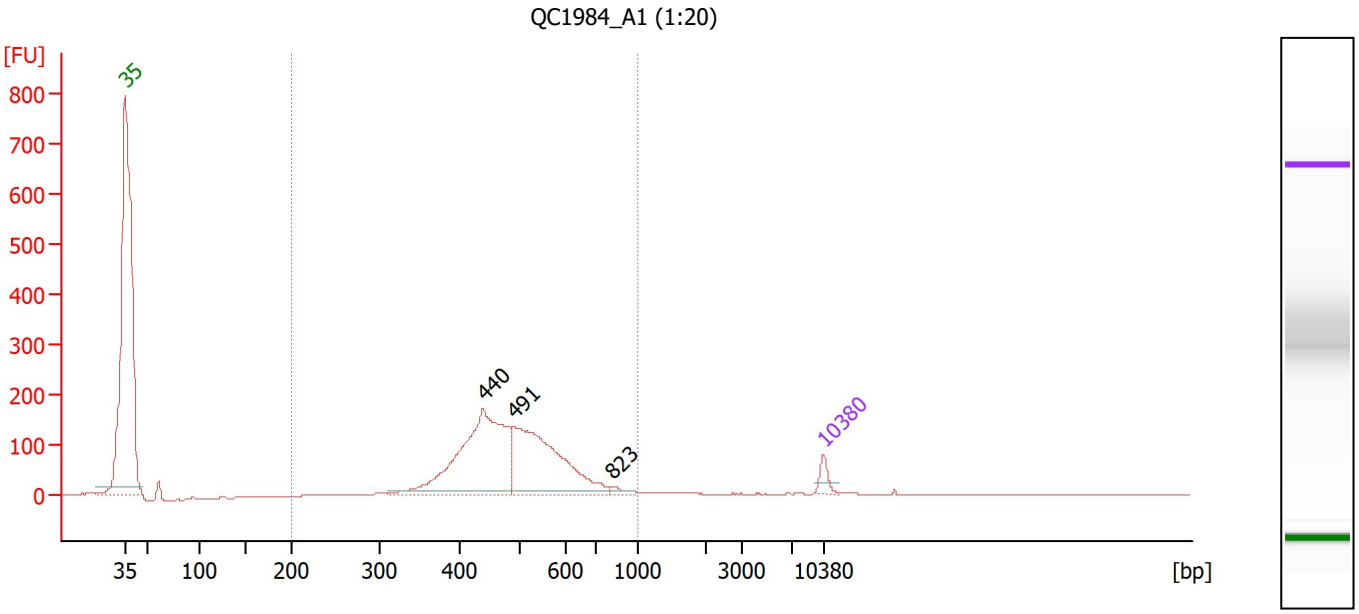
Region table for sample 3 : TAG0290P

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/µl]	Molarity [pmol/l]	Color
102	962	438.7	95	334	39.4	766.34	4,036.8	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-09-30_002.xad

Created: 9/30/2024 4:42:04 PM
Modified: 9/30/2024 5:27:19 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : QC1984_A1 (1:20)

Number of peaks found:	3	Corr. Area 1:	2,111.6
Noise:	0.2		

Peak table for sample 4 : QC1984_A1 (1:20)

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	440	1,818.99	6,262.2	
3	491	1,454.42	4,490.4	
4	823	34.76	64.0	
5	10,380	75.00	10.9	Upper Marker

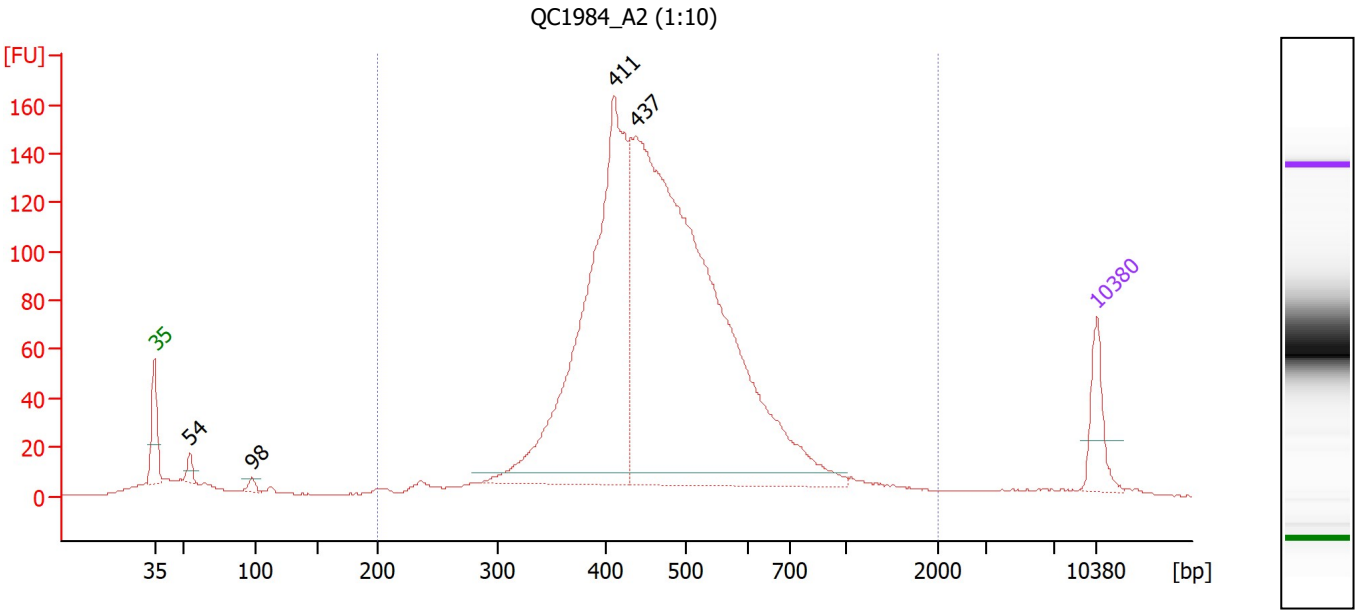
Region table for sample 4 : QC1984_A1 (1:20)

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	2,111.6	97	497	19.2	3,264.67	10,389.6	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-09-30_002.xad

Created: 9/30/2024 4:42:04 PM
Modified: 9/30/2024 5:27:19 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : QC1984_A2 (1:10)

Number of peaks found:	4	Corr. Area 1:	2,160.0
Noise:	0.2		

Peak table for sample 5 : QC1984_A2 (1:10)

Peak		Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	◀	35	125.00	5,411.3	Lower Marker
2		54	27.52	776.2	
3		98	16.07	249.3	
4		411	1,187.34	4,382.0	
5		437	2,095.63	7,273.2	
6	▶	10,380	75.00	10.9	Upper Marker

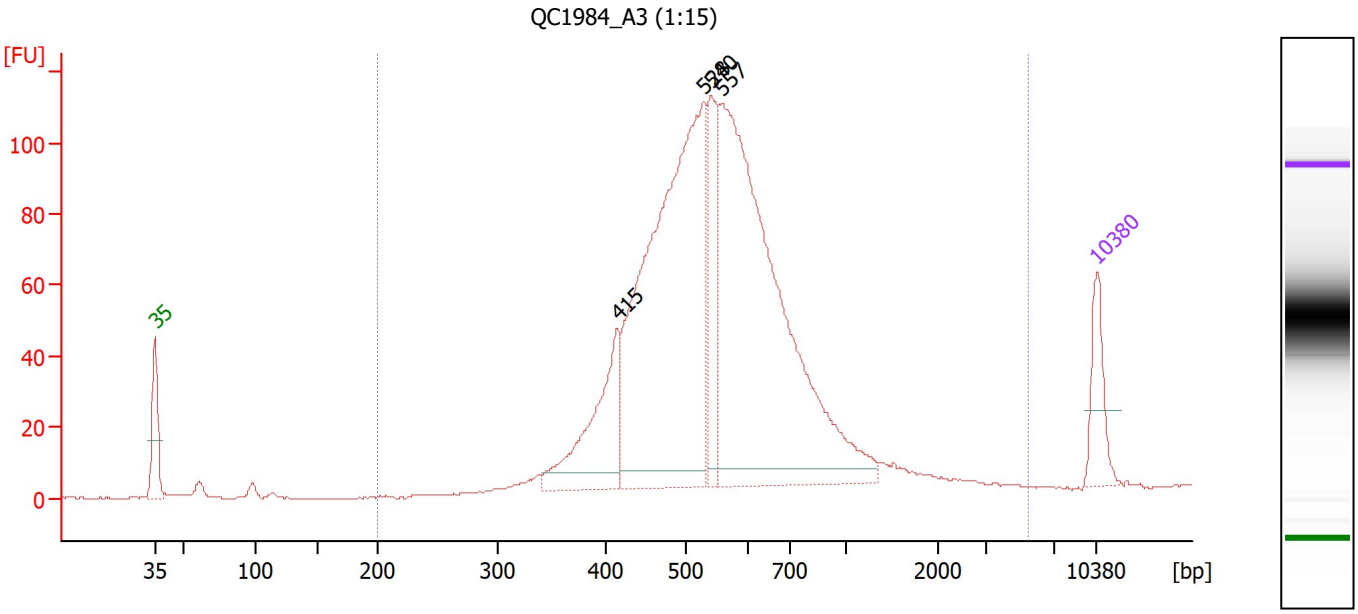
Region table for sample 5 : QC1984_A2 (1:10)

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/µl]	Molarity [pmol/l]	Color
200	1,992	2,160.0	92	492	35.5	3,609.47	12,217.6	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-09-30_002.xad

Created: 9/30/2024 4:42:04 PM
Modified: 9/30/2024 5:27:19 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : QC1984_A3 (1:15)

Number of peaks found:	4	Corr. Area 1:	1,608.0
Noise:	0.3		

Peak table for sample 6 : QC1984_A3 (1:15)

Peak		Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	◀	35	125.00	5,411.3	Lower Marker
2		415	255.52	933.8	
3		528	1,089.81	3,126.9	
4		540	193.45	543.0	
5		557	1,157.47	3,150.9	
6	▶	10,380	75.00	10.9	Upper Marker

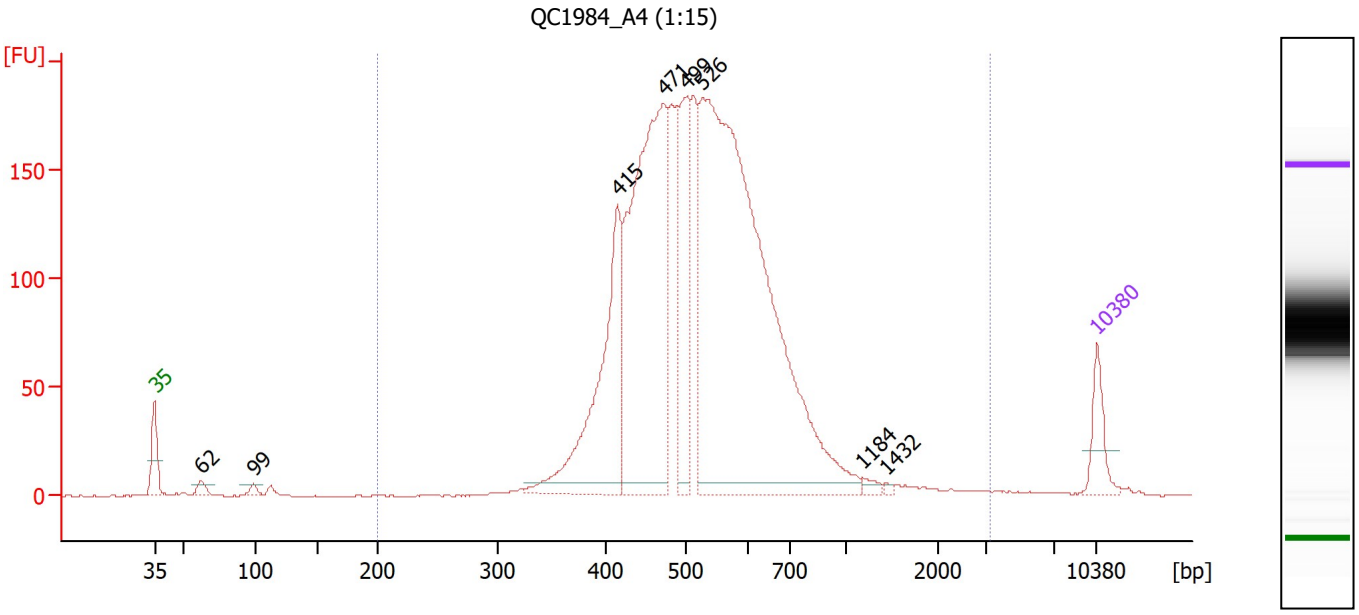
Region table for sample 6 : QC1984_A3 (1:15)

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/µl]	Molarity [pmol/l]	Color
200	5,470	1,608.0	94	643	70.3	3,035.93	8,654.1	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-09-30_002.xad

Created: 9/30/2024 4:42:04 PM
Modified: 9/30/2024 5:27:19 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : QC1984_A4 (1:15)

Number of peaks found:	8	Corr. Area 1:	2,667.3
Noise:	0.3		

Peak table for sample 7 : QC1984_A4 (1:15)

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	62	28.82	706.9	
3	99	18.13	278.6	
4	415	587.38	2,145.0	
5	471	1,139.08	3,661.2	
6	499	351.30	1,067.5	
7	526	2,162.15	6,228.5	
8	1,184	14.68	18.8	
9	1,432	5.54	5.9	
10	10,380	75.00	10.9	Upper Marker

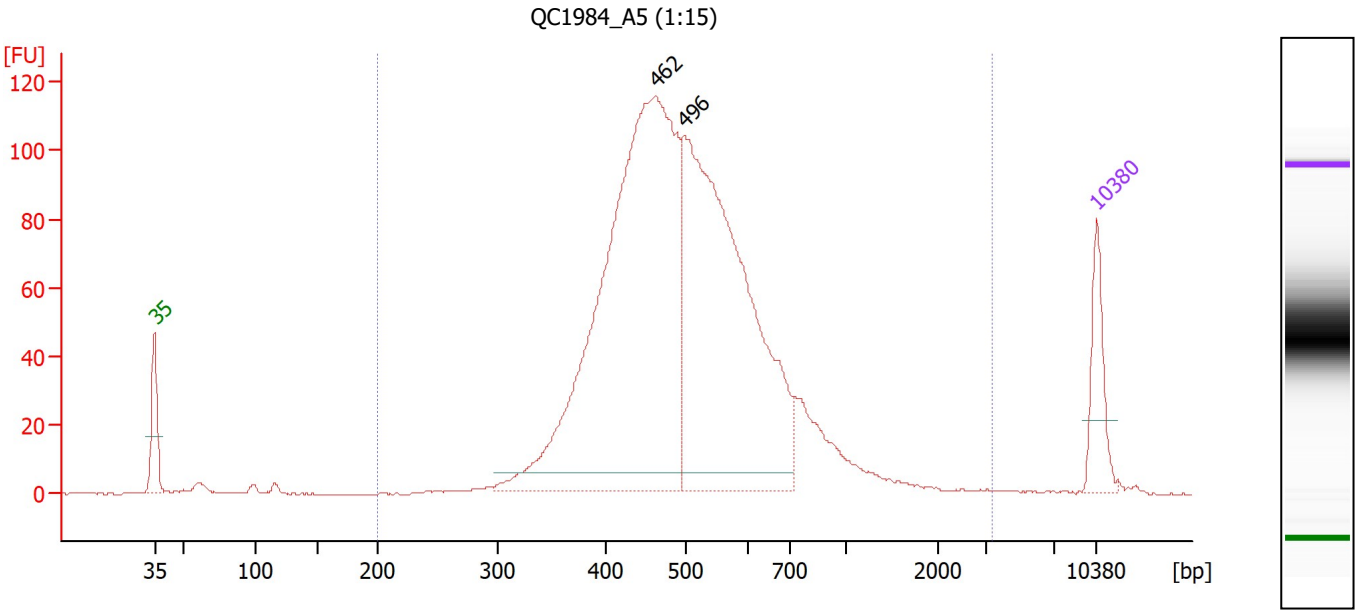
Region table for sample 7 : QC1984_A4 (1:15)

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/µl]	Molarity [pmol/l]	Color
200	3,138	2,667.3	97	556	40.4	4,828.24	14,372.6	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-09-30_002.xad

Created: 9/30/2024 4:42:04 PM
Modified: 9/30/2024 5:27:19 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : QC1984_A5 (1:15)

Number of peaks found:	2	Corr. Area 1:	1,681.3
Noise:	0.2		

Peak table for sample 8 : QC1984_A5 (1:15)

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	462	1,343.72	4,410.3	
3	496	998.31	3,048.2	
4	10,380	75.00	10.9	Upper Marker

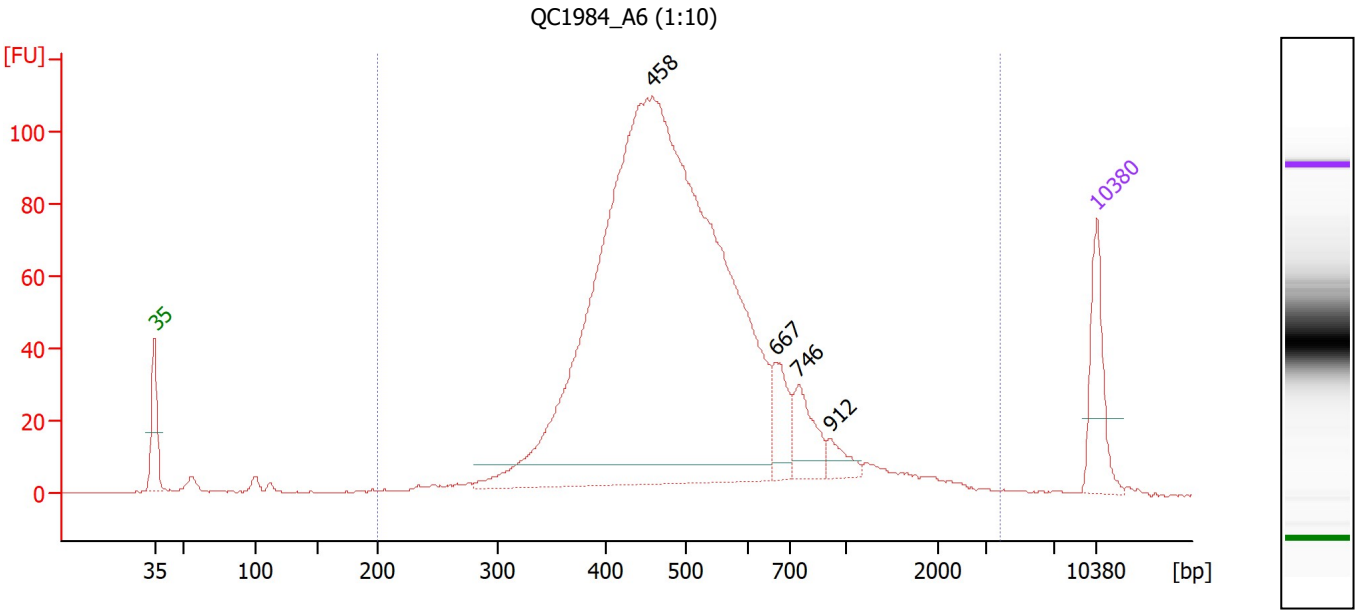
Region table for sample 8 : QC1984_A5 (1:15)

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/µl]	Molarity [pmol/l]	Color
200	3,357	1,681.3	97	541	44.1	2,568.27	8,030.5	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-09-30_002.xad

Created: 9/30/2024 4:42:04 PM
Modified: 9/30/2024 5:27:19 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : QC1984_A6 (1:10)

Number of peaks found:	4	Corr. Area 1:	1,637.4
Noise:	0.2		

Peak table for sample 9 : QC1984_A6 (1:10)

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	458	2,016.85	6,668.1	
3	667	66.93	152.1	
4	746	68.28	138.8	
5	912	24.94	41.5	
6	10,380	75.00	10.9	Upper Marker

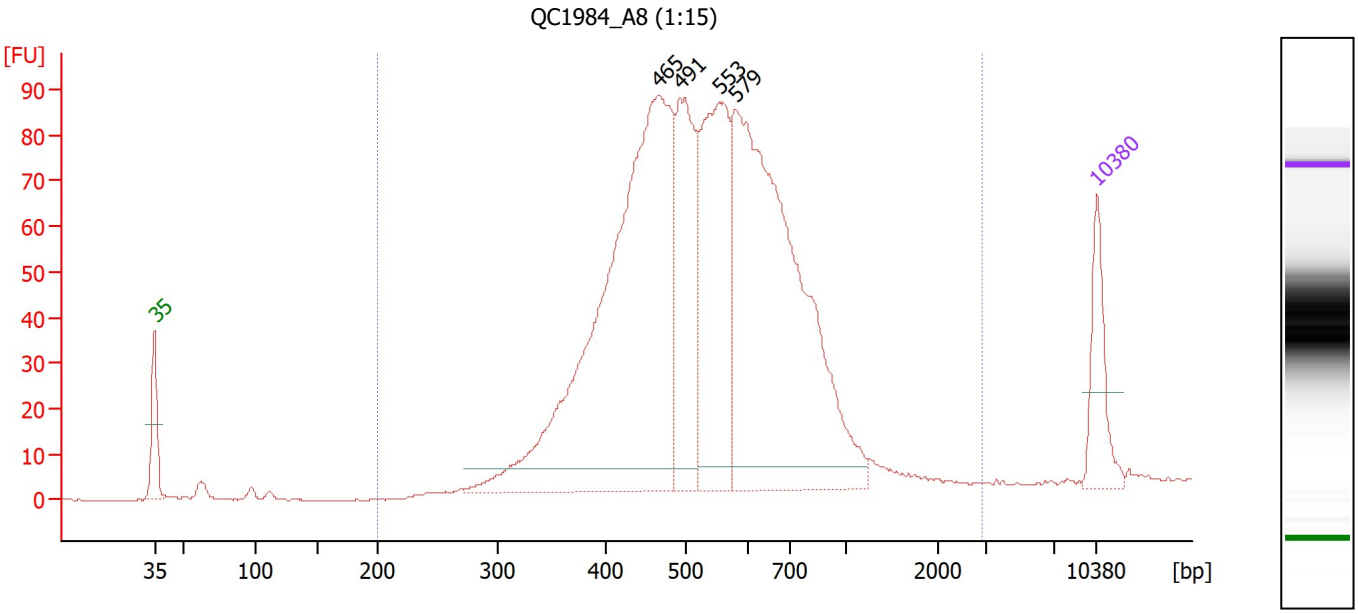
Region table for sample 9 : QC1984_A6 (1:10)

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/µl]	Molarity [pmol/l]	Color
200	3,757	1,637.4	97	552	54.2	2,420.61	7,747.0	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-09-30_002.xad

Created: 9/30/2024 4:42:04 PM
Modified: 9/30/2024 5:27:19 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : QC1984_A8 (1:15)

Number of peaks found:	4	Corr. Area 1:	1,608.5
Noise:	0.2		

Peak table for sample 10 : QC1984_A8 (1:15)

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	465	1,041.55	3,396.5	
3	491	282.44	870.9	
4	553	360.82	987.8	
5	579	827.80	2,166.0	
6	10,380	75.00	10.9	Upper Marker

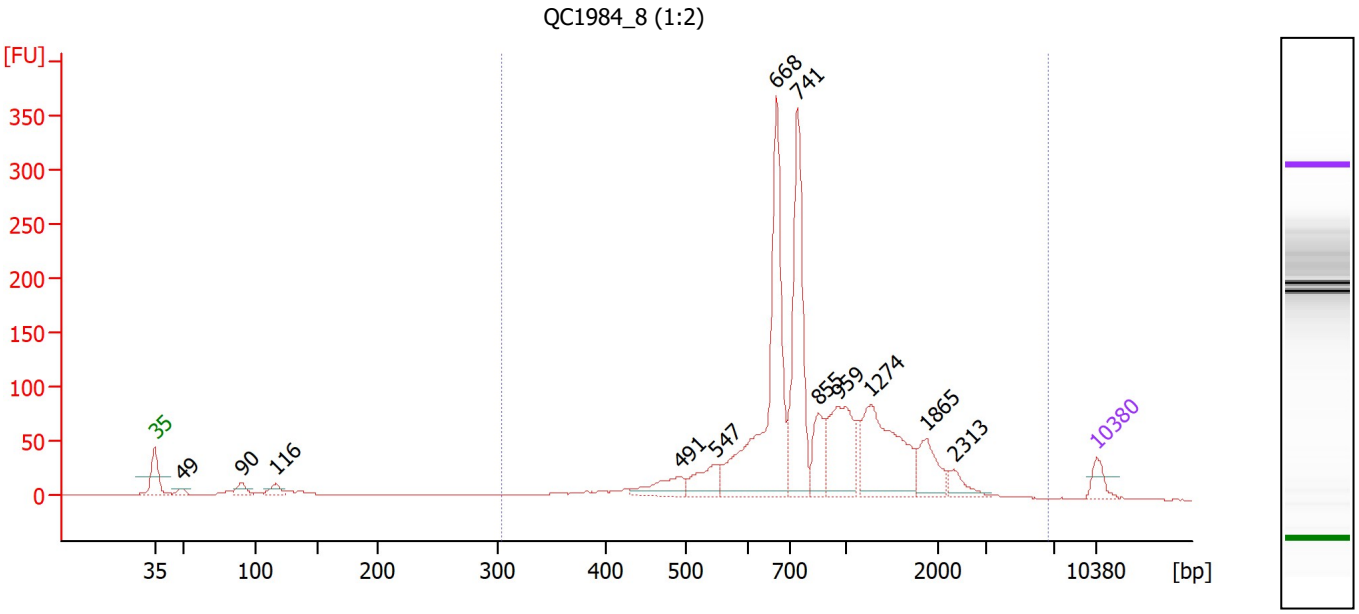
Region table for sample 10 : QC1984_A8 (1:15)

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/µl]	Molarity [pmol/l]	Color
200	2,896	1,608.5	94	581	45.0	2,688.89	8,026.7	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-09-30_002.xad

Created: 9/30/2024 4:42:04 PM
Modified: 9/30/2024 5:27:19 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : QC1984_8 (1:2)

Number of peaks found:	12	Corr. Area 1:	1,647.9
Noise:	0.2		

Peak table for sample 11 : QC1984_8 (1:2)

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	49	47.07	1,469.7	
3	90	82.77	1,393.9	
4	116	76.62	997.7	
5	491	180.21	556.2	
6	547	192.16	532.6	
7	668	1,450.29	3,290.7	
8	741	932.96	1,908.4	
9	855	223.64	396.5	
10	959	485.22	766.4	
11	1,274	667.18	793.7	
12	1,865	207.63	168.6	
13	2,313	85.64	56.1	
14	10,380	75.00	10.9	Upper Marker

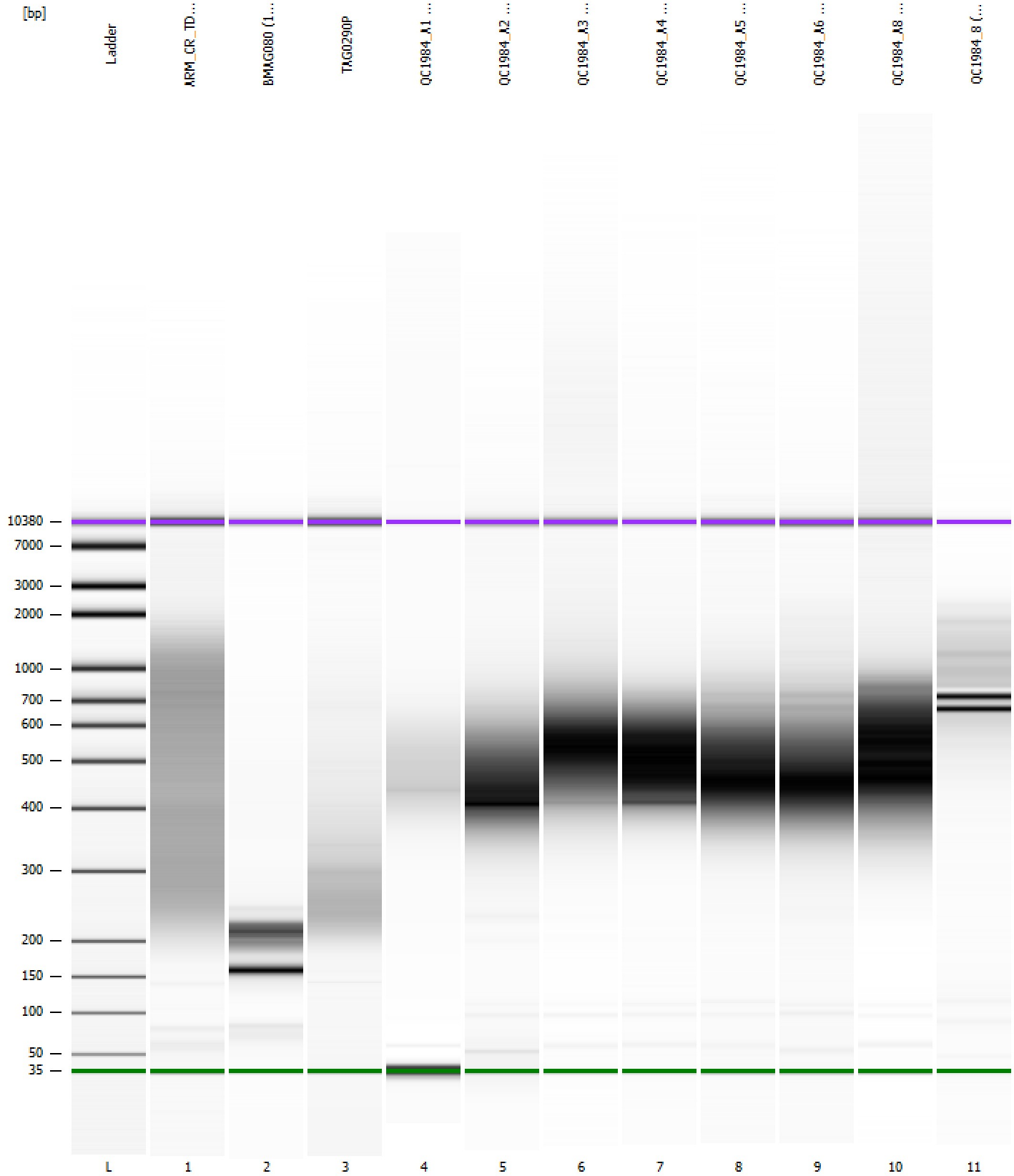
Region table for sample 11 : QC1984_8 (1:2)

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/µl]	Molarity [pmol/l]	Color
304	6,627	1,647.9	93	969	53.5	4,753.56	9,388.1	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-09-30_002.xad

Created: 9/30/2024 4:42:04 PM
Modified: 9/30/2024 5:27:19 PM

Gel Image



Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-09-30_002.xad

Created: 9/30/2024 4:42:04 PM
Modified: 9/30/2024 5:27:19 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		9/30/2024 5:22:33 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNVVOB
Run started on port 1 (File: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\data\2024-09-30\Bioanalyzer1_High Sensitivity DNA Assay_DE34903152_2024-09-30_002.xad)		Instrument	Run		9/30/2024 4:42:09 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNVVOB
Product Number : G2938C		Instrument	Run		9/30/2024 4:42:09 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNVVOB
Name :		Instrument	Run		9/30/2024 4:42:09 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNVVOB
Vendor : Agilent Technologies		Instrument	Run		9/30/2024 4:42:09 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNVVOB
Serial# : DE34903152		Instrument	Run		9/30/2024 4:42:09 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNVVOB
Firmware : C.01.069		Instrument	Run		9/30/2024 4:42:09 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNVVOB
Cartridge : Electrode		Instrument	Run		9/30/2024 4:42:09 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNVVOB