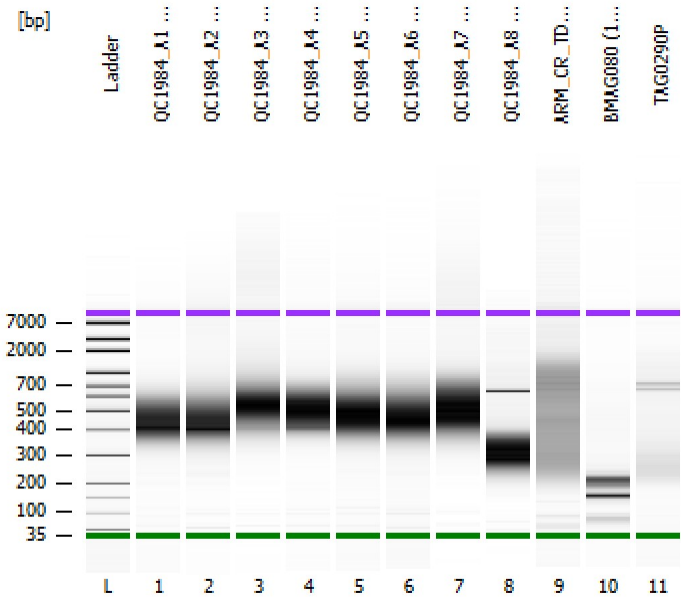


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...r1\_High Sensitivity DNA Assay\_DE34903152\_2024-10-01\_001.xad

Created: 10/1/2024 10:42:48 AM  
Modified: 10/1/2024 11:38:57 AM

Electrophoresis File Run Summary



Instrument Information:

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

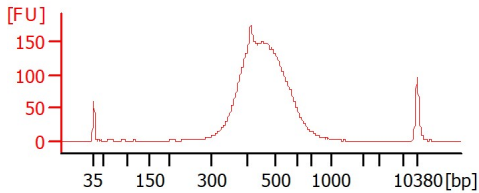
Assay Information:

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

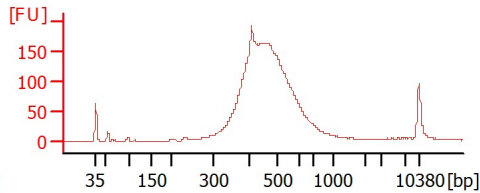
Chip Information:

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

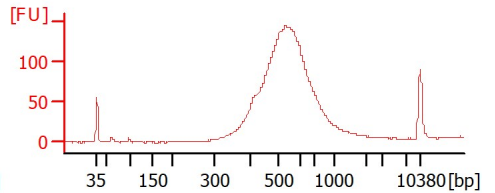
QC1984\_A1 (1:20)



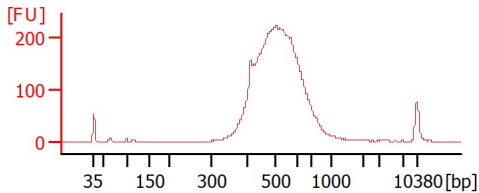
QC1984\_A2 (1:10)



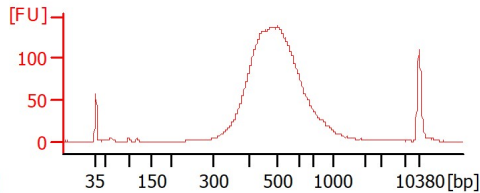
QC1984\_A3 (1:15)



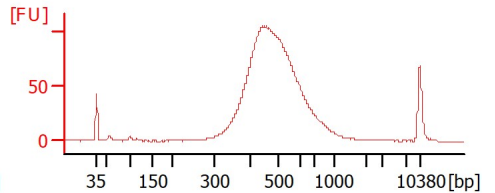
QC1984\_A4 (1:15)



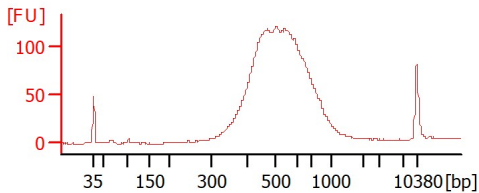
QC1984\_A5 (1:15)



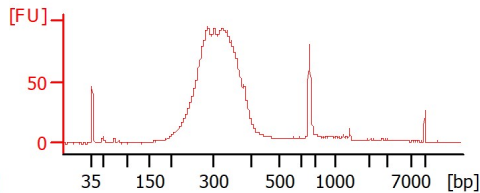
QC1984\_A6 (1:10)



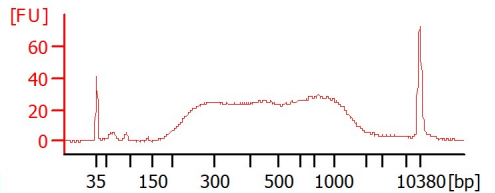
QC1984\_A7 (1:15)



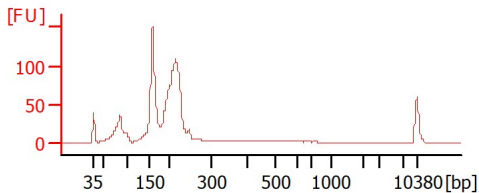
QC1984\_A8 (1:15)



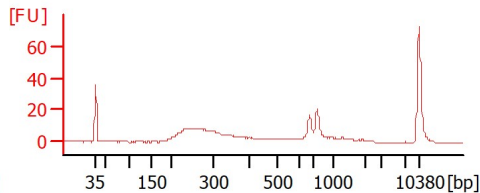
ARM\_CR\_TDM (1:10)



BMAG080 (1:15)



TAG0290P



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...r1\_High Sensitivity DNA Assay\_DE34903152\_2024-10-01\_001.xad

Created: 10/1/2024 10:42:48 AM  
 Modified: 10/1/2024 11:38:57 AM

**Electrophoresis File Run Summary (Chip Summary)**

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
QC1984_A1 (1:20)		<input type="checkbox"/>		✓		
QC1984_A2 (1:10)		<input type="checkbox"/>		✓		
QC1984_A3 (1:15)		<input type="checkbox"/>		✓		
QC1984_A4 (1:15)		<input type="checkbox"/>		✓		
QC1984_A5 (1:15)		<input type="checkbox"/>		✓		
QC1984_A6 (1:10)		<input type="checkbox"/>		✓		
QC1984_A7 (1:15)		<input type="checkbox"/>		✓		
QC1984_A8 (1:15)		<input type="checkbox"/>		✓		
ARM_CR_TDM (1:10)		<input type="checkbox"/>		✓		
BMAG080 (1:15)		<input type="checkbox"/>		✓		
TAG0290P		<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\_2024-10-01\_001.xad

Created: 10/1/2024 10:42:48 AM  
 Modified: 10/1/2024 11:38:57 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

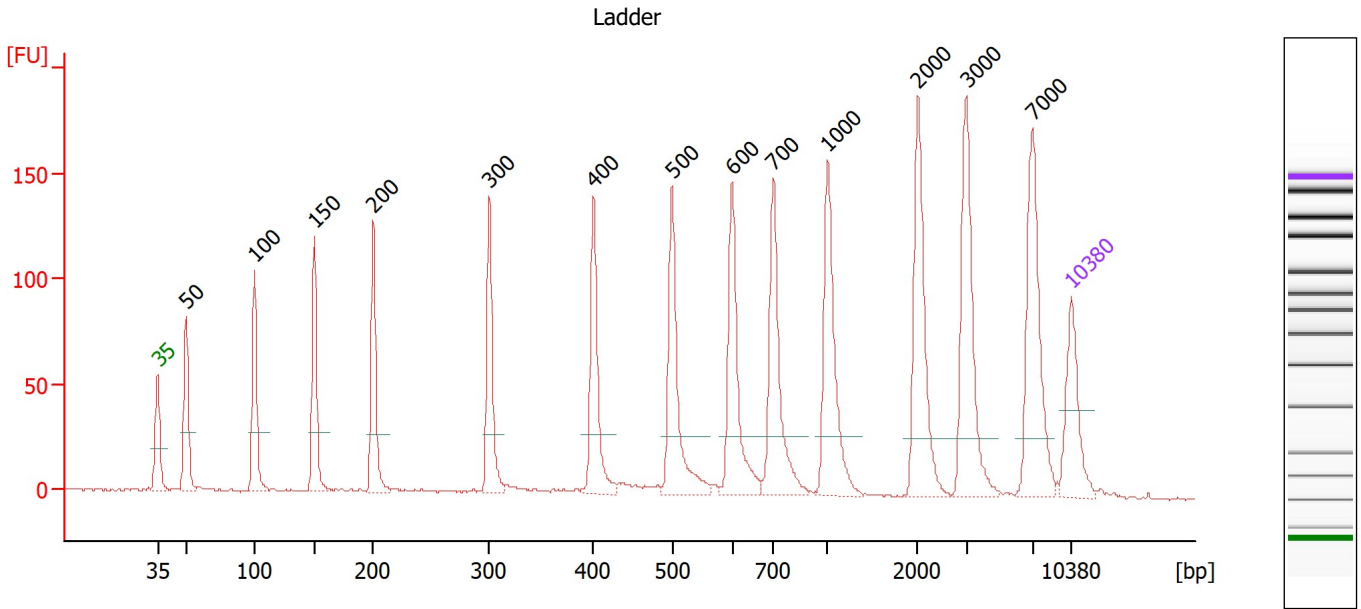
**Ladder**

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\_2024-10-01\_001.xad

Created: 10/1/2024 10:42:48 AM  
 Modified: 10/1/2024 11:38:57 AM

**Electropherogram Summary**



**Overall Results for Ladder**

Noise: 0.5

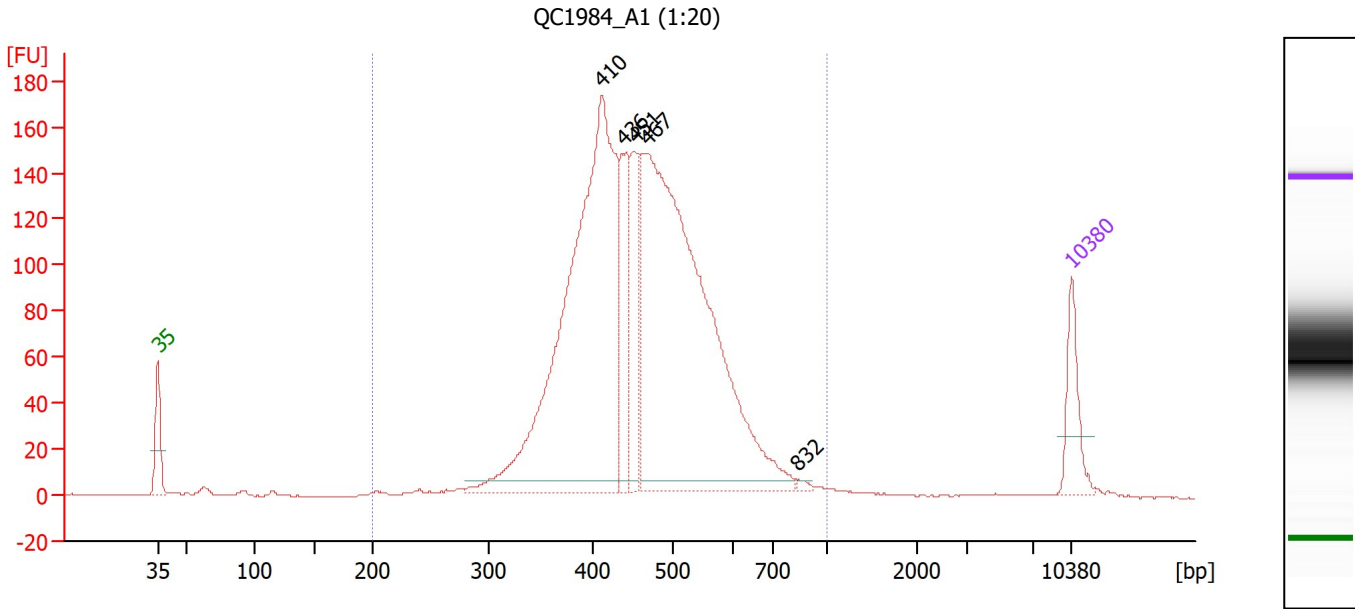
**Peak table for Ladder**

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\_2024-10-01\_001.xad

Created: 10/1/2024 10:42:48 AM  
 Modified: 10/1/2024 11:38:57 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : QC1984 A1 (1:20)**

Number of peaks found: 5                      Corr. Area 1: 2,348.3  
 Noise: 0.3

**Peak table for sample 1 : QC1984 A1 (1:20)**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	410	1,230.92	4,552.6	
3	436	186.81	648.6	
4	451	173.31	582.1	
5	467	1,332.47	4,318.6	
6	832	6.34	11.6	
7	10,380	75.00	10.9	Upper Marker

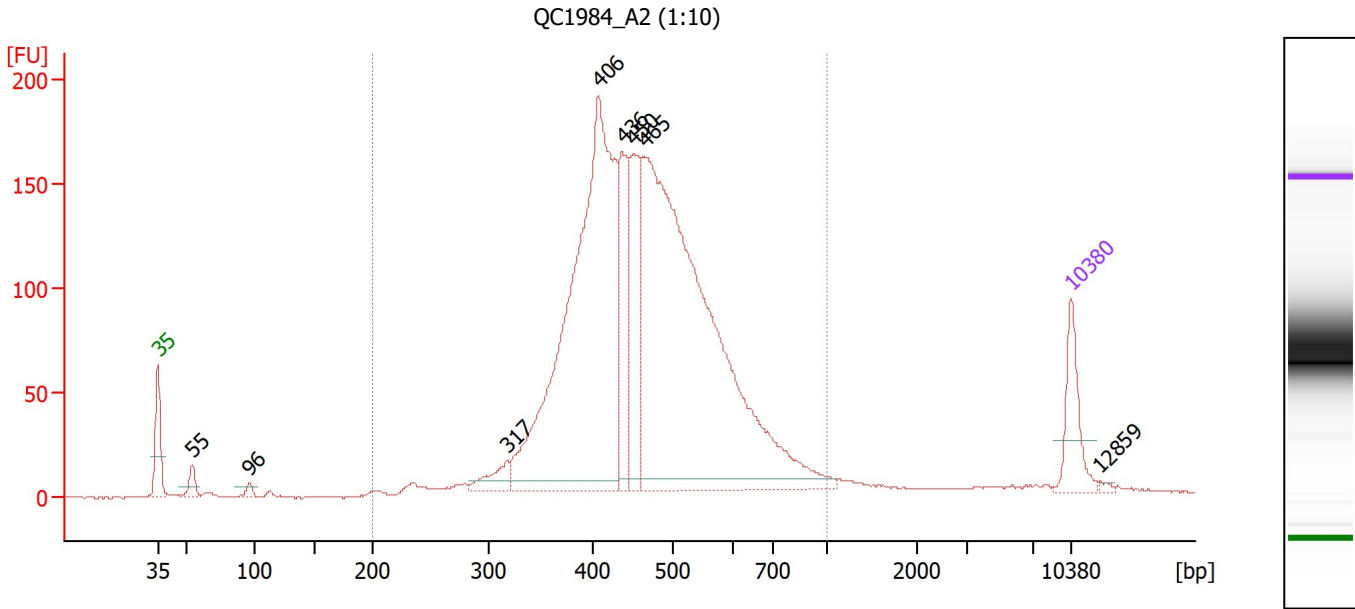
**Region table for sample 1 : QC1984 A1 (1:20)**

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	2,348.3	97	465	19.7	3,066.26	10,478.5	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...r1\_High Sensitivity DNA Assay\_DE34903152\_2024-10-01\_001.xad

Created: 10/1/2024 10:42:48 AM  
 Modified: 10/1/2024 11:38:57 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : QC1984 A2 (1:10)**

Number of peaks found: 8                      Corr. Area 1: 2,641.4  
 Noise: 0.3

**Peak table for sample 2 : QC1984 A2 (1:10)**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	55	32.52	900.2	
3	96	14.71	232.4	
4	317	45.44	217.1	
5	406	1,118.71	4,173.3	
6	436	197.60	686.0	
7	450	207.90	699.5	
8	465	1,398.31	4,556.1	
9	10,380	75.00	10.9	Upper Marker
10	12,859	0.00	0.0	

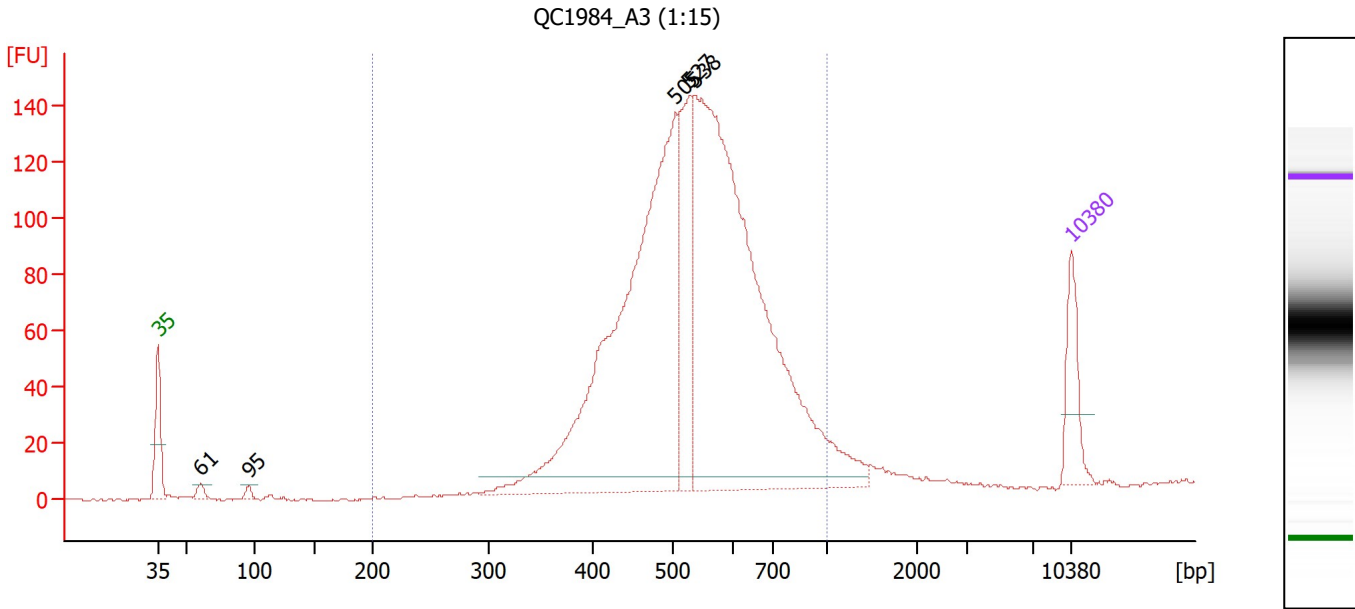
**Region table for sample 2 : QC1984 A2 (1:10)**

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	2,641.4	93	472	22.8	3,147.80	10,779.7	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...r1\_High Sensitivity DNA Assay\_DE34903152\_2024-10-01\_001.xad

Created: 10/1/2024 10:42:48 AM  
 Modified: 10/1/2024 11:38:57 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : QC1984 A3 (1:15)**

Number of peaks found: 5                      Corr. Area 1: 1,929.1  
 Noise: 0.3

**Peak table for sample 3 : QC1984 A3 (1:15)**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	61	17.00	422.9	
3	95	11.69	185.7	
4	505	1,134.06	3,401.1	
5	527	217.92	626.1	
6	538	1,341.96	3,780.7	
7	10,380	75.00	10.9	Upper Marker

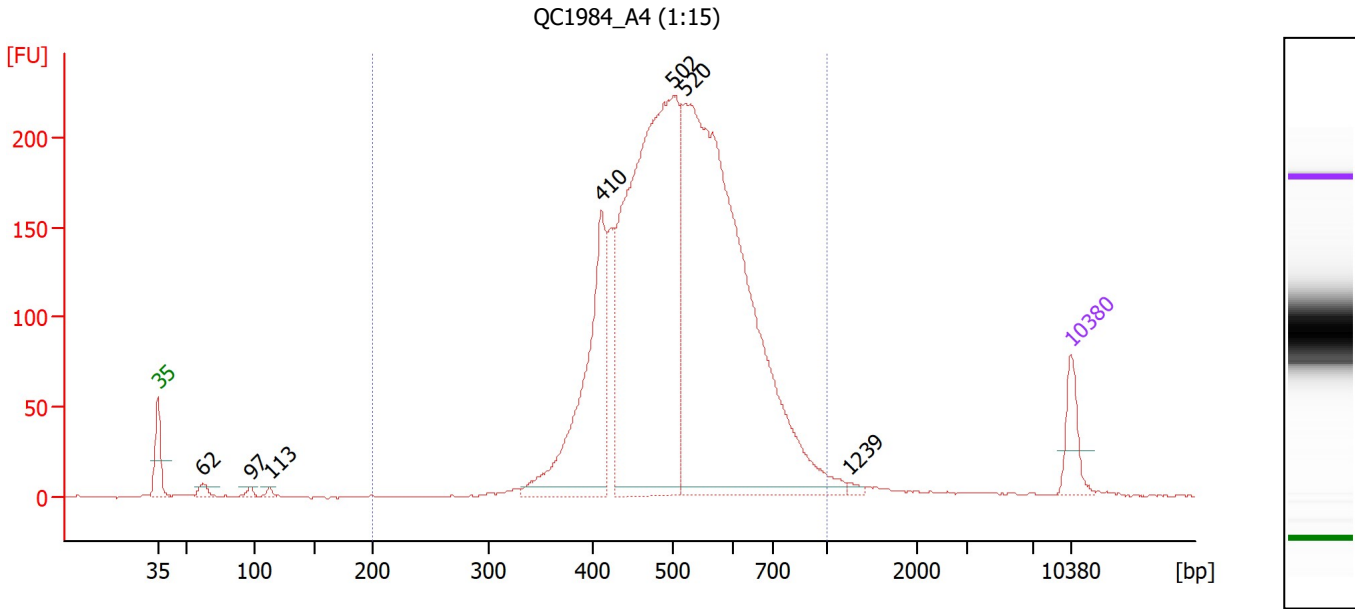
**Region table for sample 3 : QC1984 A3 (1:15)**

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	1,929.1	90	548	22.0	2,723.58	8,001.8	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...r1\_High Sensitivity DNA Assay\_DE34903152\_2024-10-01\_001.xad

Created: 10/1/2024 10:42:48 AM  
 Modified: 10/1/2024 11:38:57 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : QC1984 A4 (1:15)**

Number of peaks found: 7                      Corr. Area 1: 3,131.4  
 Noise: 0.4

**Peak table for sample 4 : 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	26.12	639.8	
3	97	14.97	234.0	
4	113	10.81	145.4	
5	410	601.16	2,221.2	
6	502	1,750.99	5,287.6	
7	520	2,161.48	6,301.2	
8	1,239	9.85	12.0	
9	10,380	75.00	10.9	Upper Marker

**Region table for sample 4 : QC1984 A4 (1:15)**

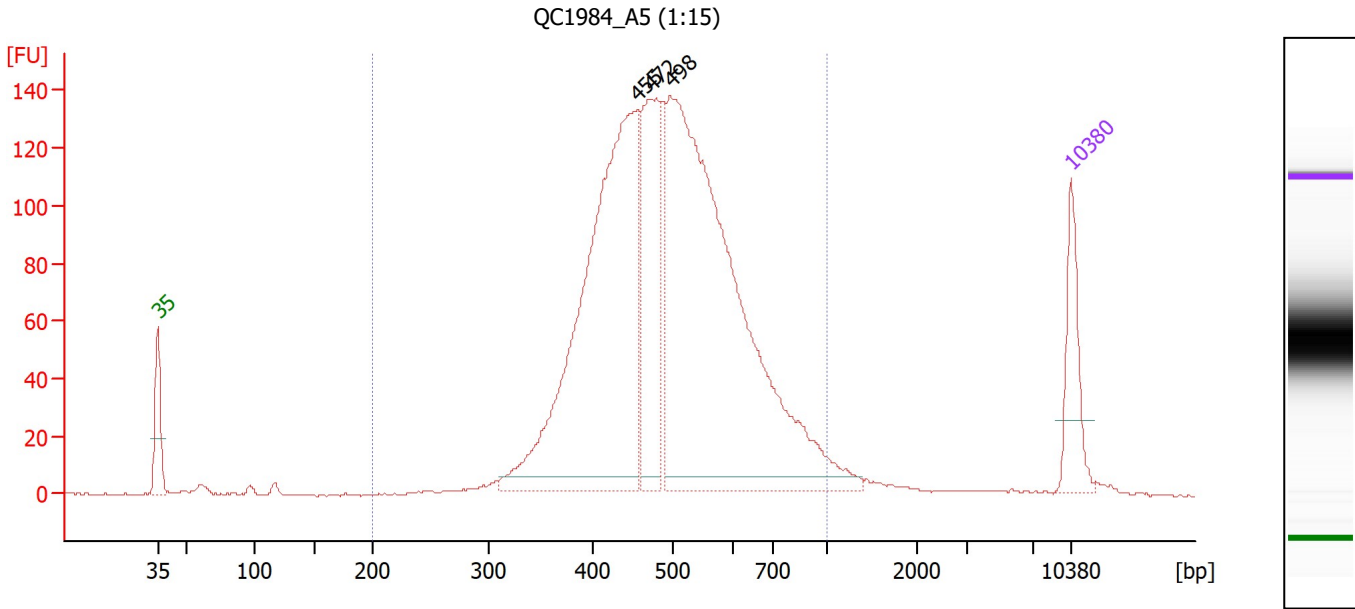
From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	3,131.4	96	523	19.8	4,633.58	14,045.1	Blue



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...r1\_High Sensitivity DNA Assay\_DE34903152\_2024-10-01\_001.xad

Created: 10/1/2024 10:42:48 AM  
 Modified: 10/1/2024 11:38:57 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : QC1984 A5 (1:15)**

Number of peaks found: 3                      Corr. Area 1: 2,138.6  
 Noise: 0.4

**Peak table for sample 5 : QC1984 A5 (1:15)**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	455	832.12	2,770.5	
3	472	264.11	847.9	
4	498	1,082.78	3,293.2	
5	10,380	75.00	10.9	Upper Marker

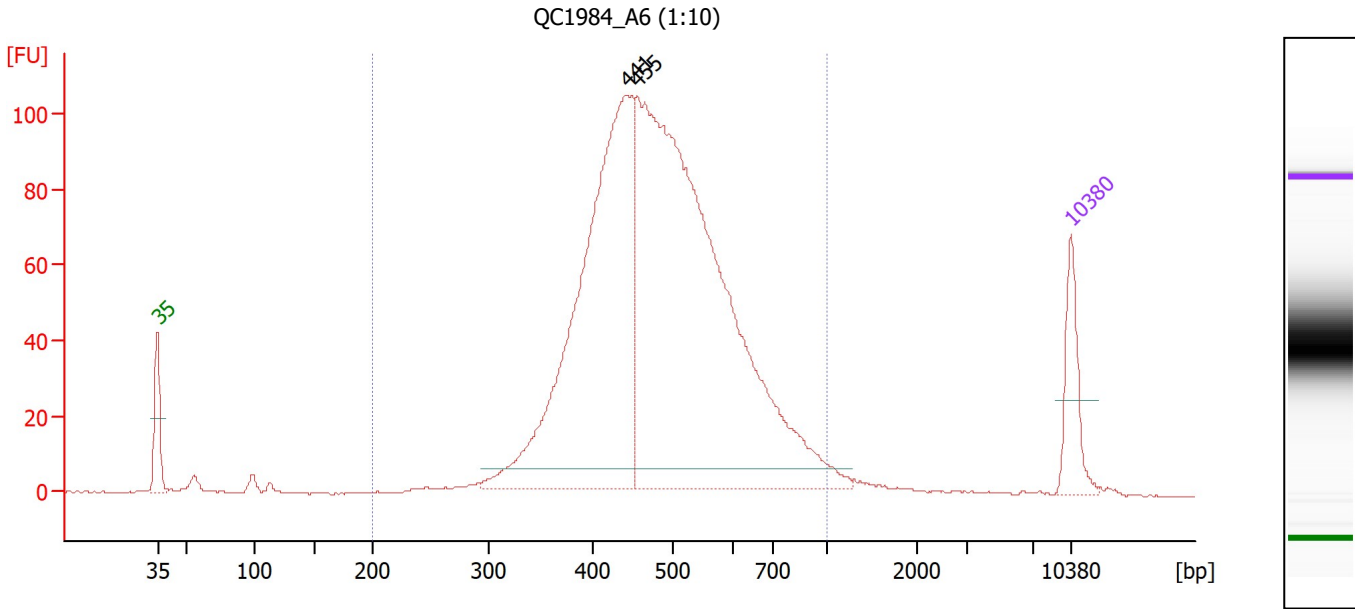
**Region table for sample 5 : QC1984 A5 (1:15)**

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	2,138.6	95	507	22.6	2,279.13	7,239.5	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...r1\_High Sensitivity DNA Assay\_DE34903152\_2024-10-01\_001.xad

Created: 10/1/2024 10:42:48 AM  
 Modified: 10/1/2024 11:38:57 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : QC1984 A6 (1:10)**

Number of peaks found: 2                      Corr. Area 1: 1,557.7  
 Noise: 0.2

**Peak table for sample 6 : QC1984 A6 (1:10)**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	441	979.73	3,366.2	
3	455	1,536.12	5,110.0	
4	10,380	75.00	10.9	Upper Marker

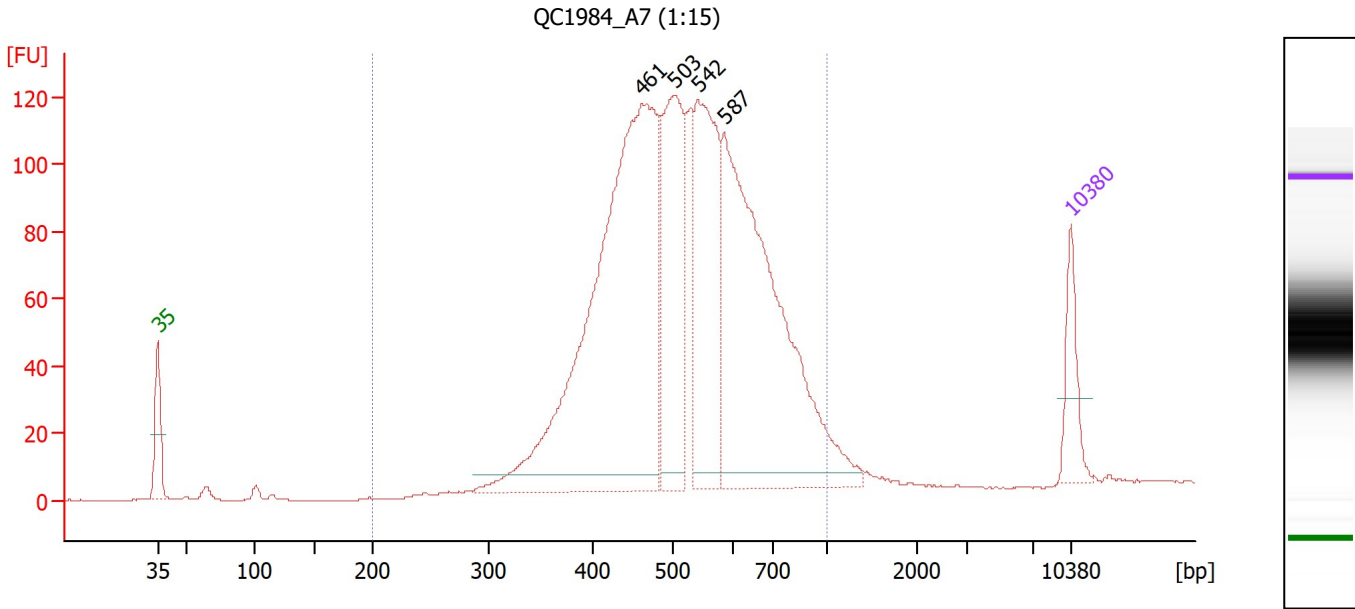
**Region table for sample 6 : QC1984 A6 (1:10)**

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	1,557.7	96	495	22.7	2,545.41	8,277.0	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...r1\_High Sensitivity DNA Assay\_DE34903152\_2024-10-01\_001.xad

Created: 10/1/2024 10:42:48 AM  
 Modified: 10/1/2024 11:38:57 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : QC1984 A7 (1:15)**

Number of peaks found: 4                      Corr. Area 1: 2,027.6  
 Noise: 0.3

**Peak table for sample 7 : QC1984 A7 (1:15)**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	461	1,311.74	4,310.2	
3	503	410.33	1,234.8	
4	542	425.67	1,188.9	
5	587	895.51	2,312.8	
6	10,380	75.00	10.9	Upper Marker

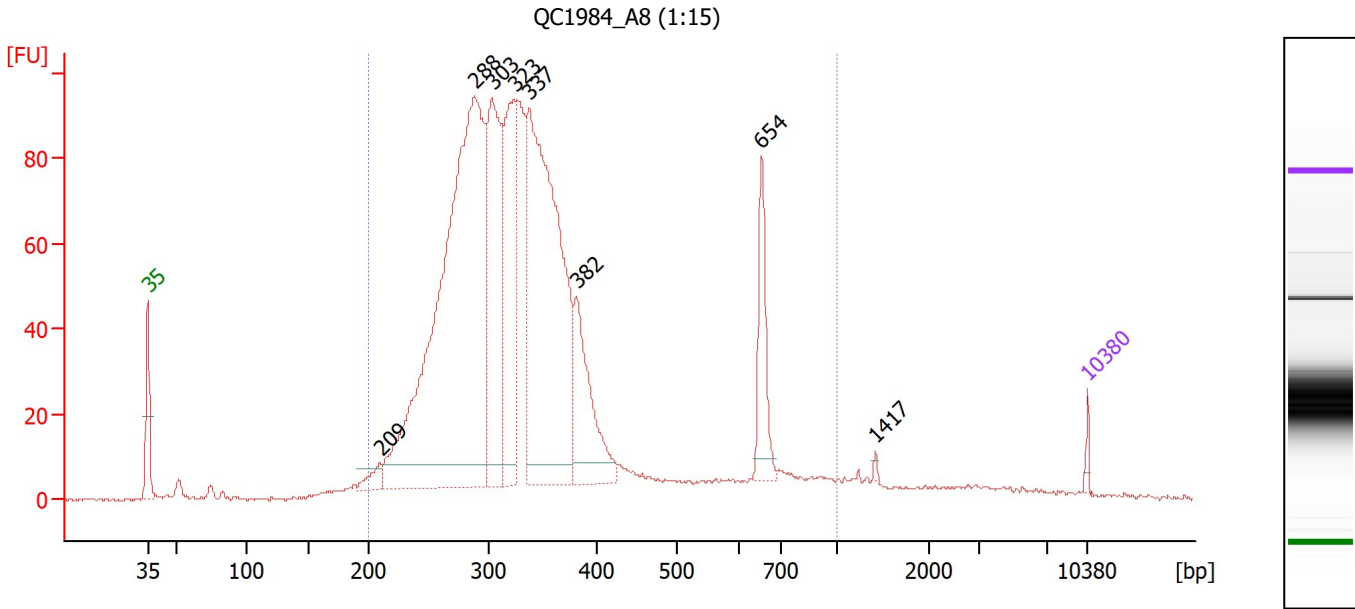
**Region table for sample 7 : QC1984 A7 (1:15)**

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	2,027.6	91	535	24.2	3,355.41	10,233.0	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...r1\_High Sensitivity DNA Assay\_DE34903152\_2024-10-01\_001.xad

Created: 10/1/2024 10:42:48 AM  
 Modified: 10/1/2024 11:38:57 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : QC1984 A8 (1:15)**

Number of peaks found: 8                      Corr. Area 1: 1,868.9  
 Noise: 0.4

**Peak table for sample 8 : QC1984 A8 (1:15)**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	209	317.36	2,301.5	
3	288	13,403.60	70,497.7	
4	303	3,806.33	19,024.8	
5	323	3,035.60	14,218.3	
6	337	8,015.53	35,997.3	
7	382	1,972.64	7,833.6	
8	654	1,096.31	2,539.1	
9	1,417	34.30	36.7	
10	10,380	75.00	10.9	Upper Marker

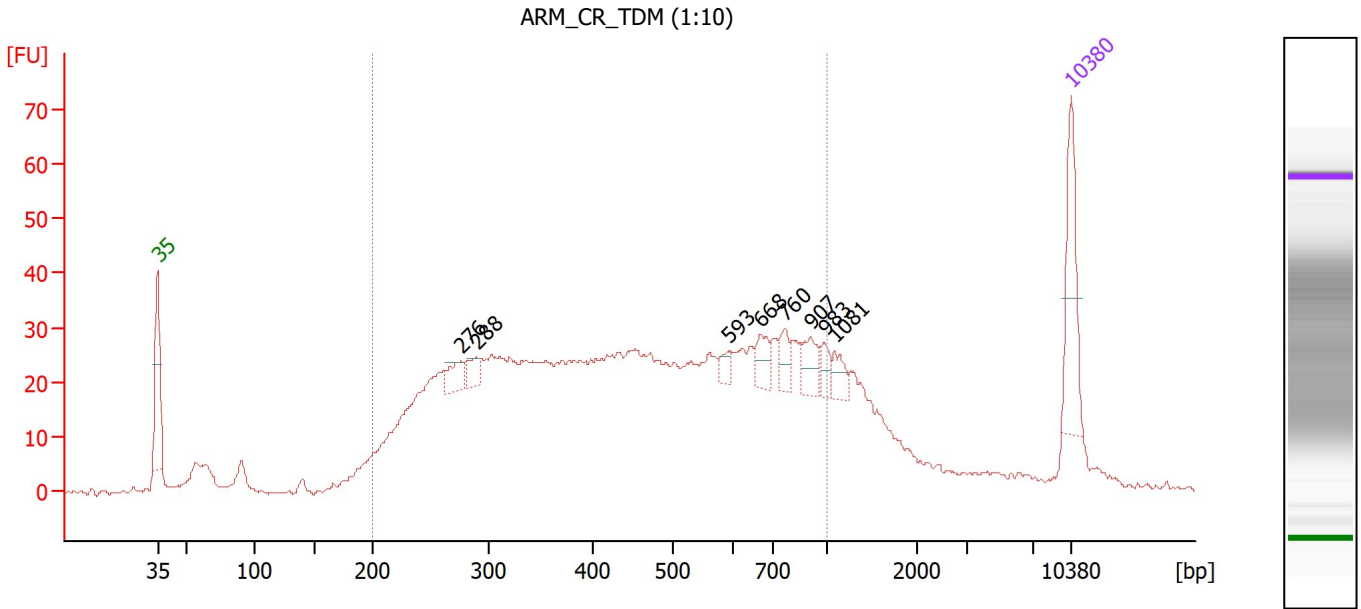
**Region table for sample 8 : QC1984 A8 (1:15)**

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	1,868.9	94	350	33.6	38,135.39	182,027.7	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...r1\_High Sensitivity DNA Assay\_DE34903152\_2024-10-01\_001.xad

Created: 10/1/2024 10:42:48 AM  
 Modified: 10/1/2024 11:38:57 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 9 : ARM\_CR\_TDM (1:10)**

Number of peaks found: 8                      Corr. Area 1: 1,010.6  
 Noise: 0.5

**Peak table for sample 9 : 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	276	29.43	161.5	
3	288	20.47	107.5	
4	593	11.38	29.1	
5	668	26.04	59.1	
6	760	21.80	43.4	
7	907	28.61	47.8	
8	983	15.67	24.2	
9	1,081	18.95	26.6	
10	10,380	75.00	10.9	Upper Marker

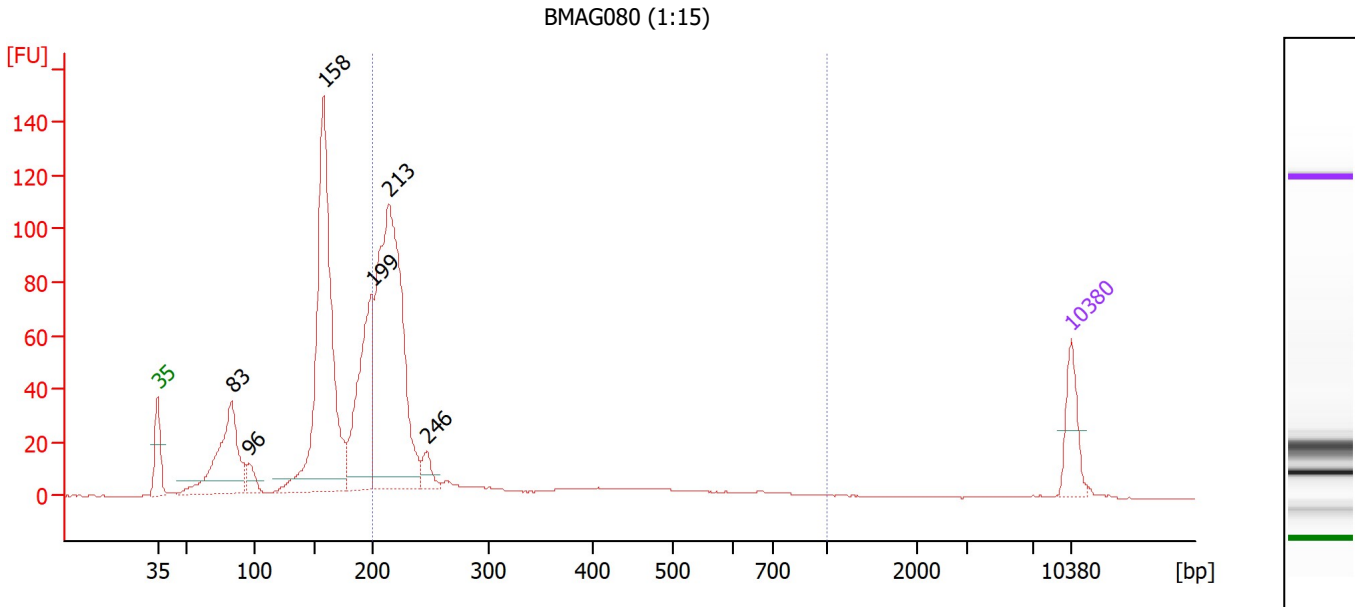
**Region table for sample 9 : ARM\_CR\_TDM (1:10)**

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	1,010.6	78	478	41.0	2,476.83	9,855.9	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...r1\_High Sensitivity DNA Assay\_DE34903152\_2024-10-01\_001.xad

Created: 10/1/2024 10:42:48 AM  
 Modified: 10/1/2024 11:38:57 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 10 : BMAG080 (1:15)**

Number of peaks found: 6                      Corr. Area 1: 509.0  
 Noise: 0.1

**Peak table for sample 10 : BMAG080 (1:15)**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	83	362.79	6,595.7	
3	96	43.68	687.7	
4	158	906.09	8,707.7	
5	199	396.88	3,023.4	
6	213	956.86	6,791.2	
7	246	43.63	268.6	
8	10,380	75.00	10.9	Upper Marker

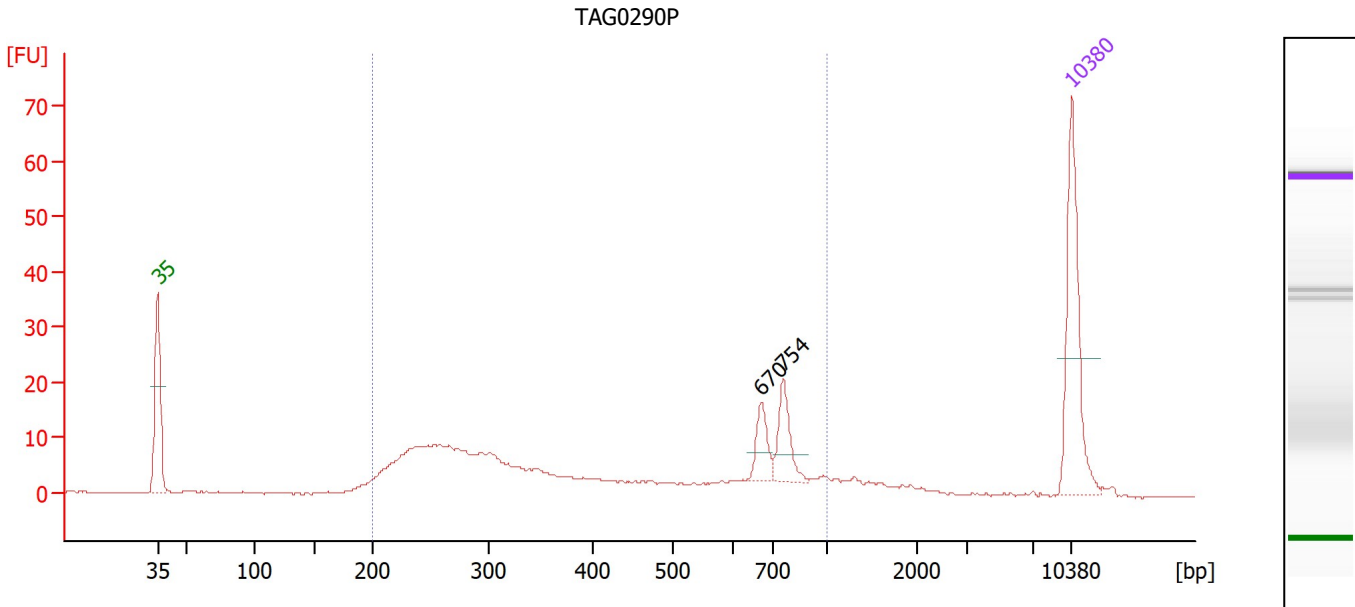
**Region table for sample 10 : BMAG080 (1:15)**

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	509.0	44	273	46.2	1,312.23	8,399.3	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...r1\_High Sensitivity DNA Assay\_DE34903152\_2024-10-01\_001.xad

Created: 10/1/2024 10:42:48 AM  
 Modified: 10/1/2024 11:38:57 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 11 : TAG0290P**

Number of peaks found: 2                      Corr. Area 1: 221.5  
 Noise: 0.2

**Peak table for sample 11 : TAG0290P**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	670	24.33	55.0	
3	754	32.29	64.9	
4	10,380	75.00	10.9	Upper Marker

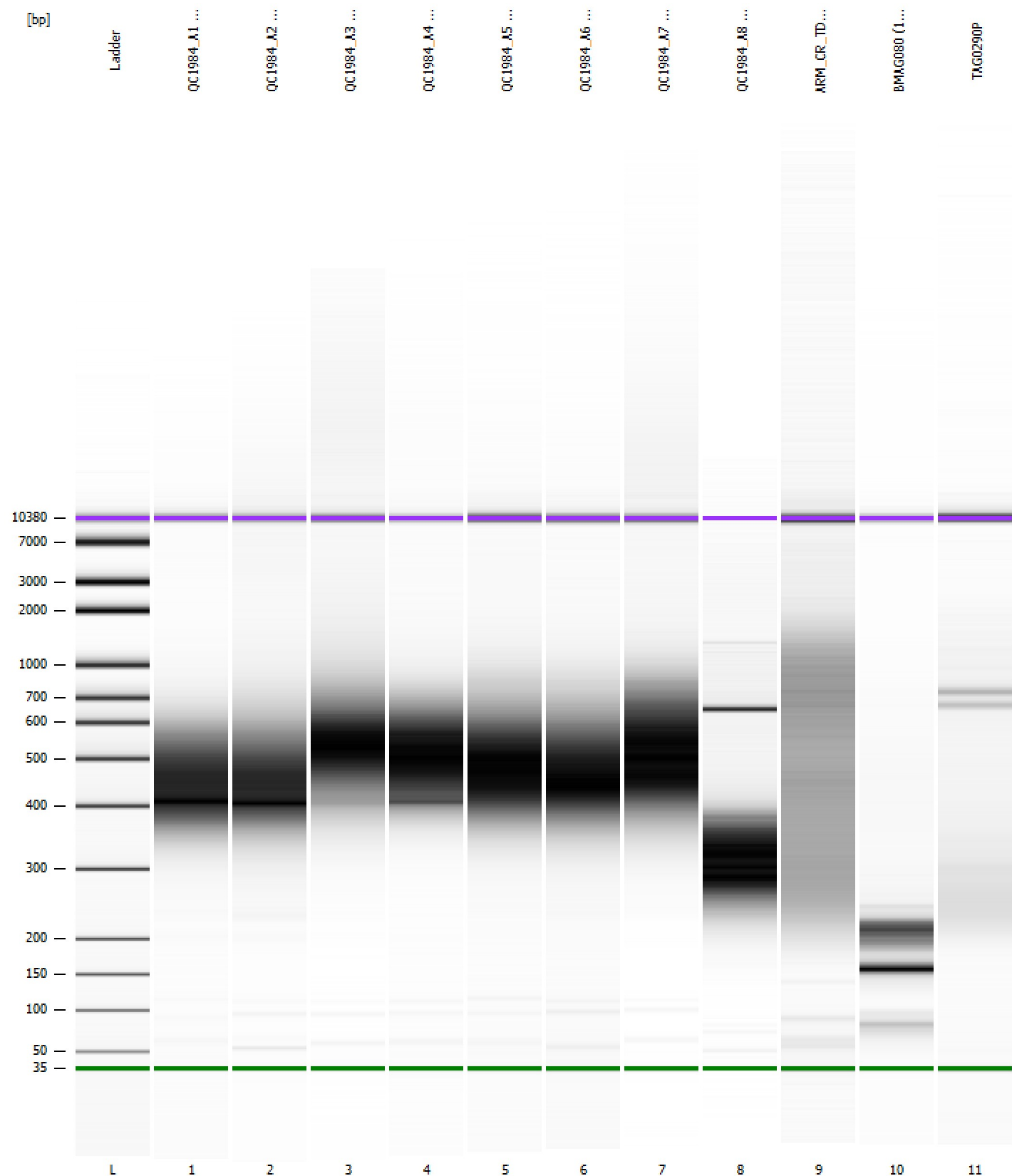
**Region table for sample 11 : TAG0290P**

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	221.5	86	451	47.4	410.23	1,840.5	Blue

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...r1\_High Sensitivity DNA Assay\_DE34903152\_2024-10-01\_001.xad

Created: 10/1/2024 10:42:48 AM  
Modified: 10/1/2024 11:38:57 AM

Gel Image





Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...r1\_High Sensitivity DNA Assay\_DE34903152\_2024-10-01\_001.xad

Created: 10/1/2024 10:42:48 AM  
 Modified: 10/1/2024 11:38:57 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		10/1/2024 11:24:09 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\2024-10-01\Bioanalyzer1_High Sensitivity DNA Assay_DE34903152_2024-10-01_001.xad)		Instrument	Run		10/1/2024 10:42:53 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		10/1/2024 10:42:53 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		10/1/2024 10:42:53 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		10/1/2024 10:42:53 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		10/1/2024 10:42:53 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		10/1/2024 10:42:53 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		10/1/2024 10:42:53 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB