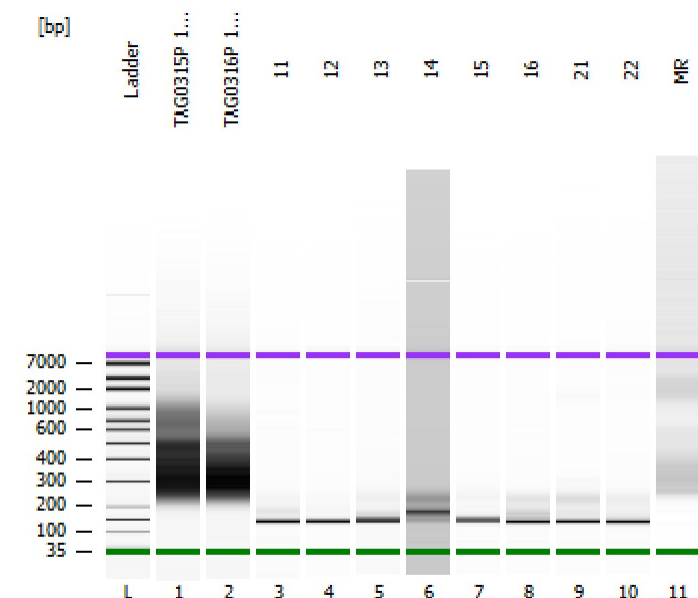


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-09-23_001.xad

Created: 9/23/2025 11:15:47 AM
Modified: 9/23/2025 12:17:42 PM

Electrophoresis File Run Summary



Instrument Information:

Instrument Name: DE34903152
Serial#: DE34903152

Firmware: C.01.069
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

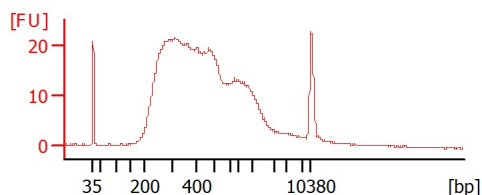
Chip Information:

Chip Lot #:

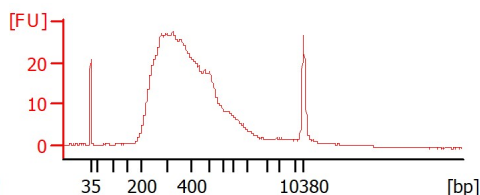
Reagent Kit Lot #:

Chip Comments:

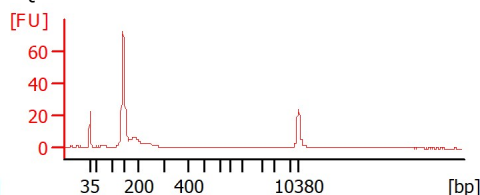
TAG0315P 1X BC (1:2)



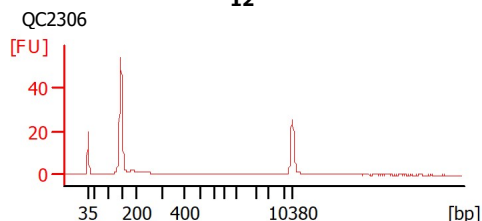
TAG0316P 1X BC (1:2)



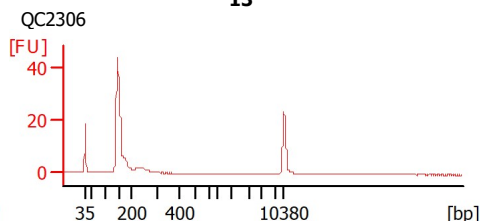
QC2306



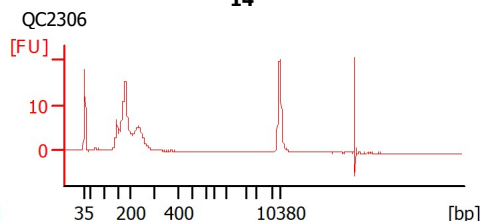
12



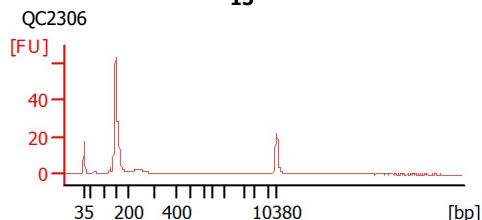
13



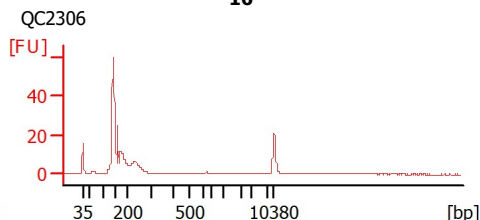
14



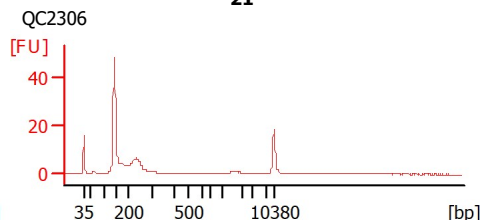
15



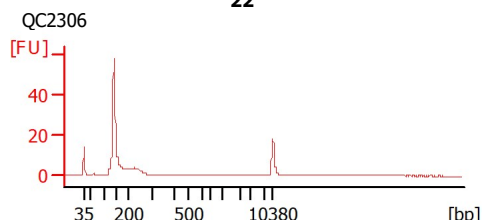
16



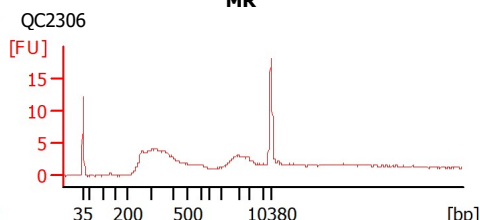
21



22



MR



Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-09-23_001.xad

Created: 9/23/2025 11:15:47 AM
Modified: 9/23/2025 12:17:42 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
TAG0315P 1X BC (1:2)		☐	✓			
TAG0316P 1X BC (1:2)		☐	✓			
11	QC2306	☐	✓			
12	QC2306	☐	✓			
13	QC2306	☐	✓			
14	QC2306	☐	✓			
15	QC2306	☐	✓			
16	QC2306	☐	✓			
21	QC2306	☐	✓			
22	QC2306	☐	✓			
MR	QC2306	☐	✓			
Ladder		☐	✓			

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

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-09-23_001.xad

Created: 9/23/2025 11:15:47 AM
 Modified: 9/23/2025 12:17:42 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

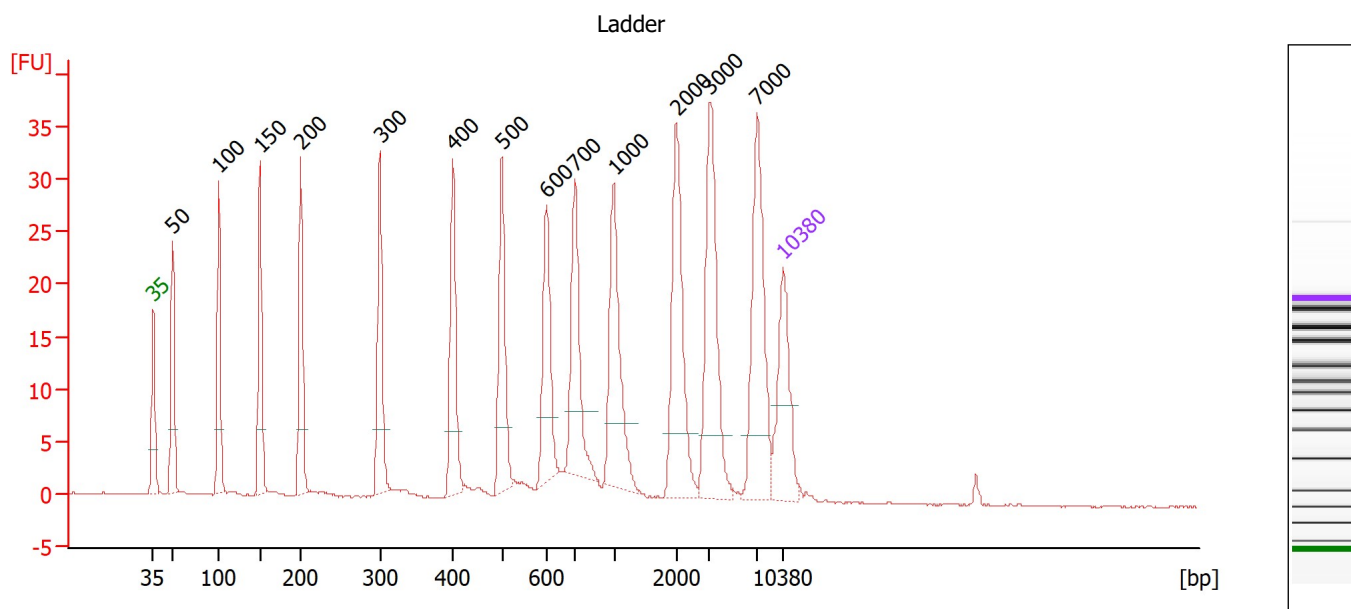
Ladder

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_2025-09-23_001.xad

Created: 9/23/2025 11:15:47 AM
 Modified: 9/23/2025 12:17:42 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.1

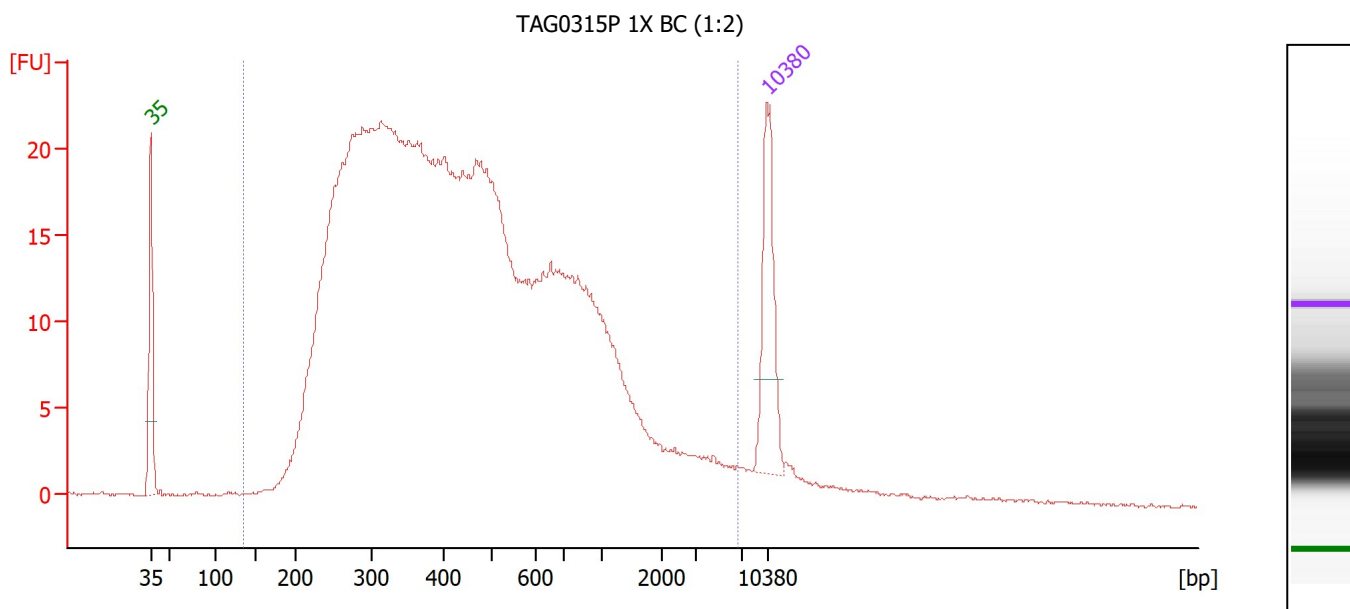
Peak table for Ladder

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_2025-09-23_001.xad

Created: 9/23/2025 11:15:47 AM
 Modified: 9/23/2025 12:17:42 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : TAG0315P 1X BC (1:2)

Number of peaks found: 0 Corr. Area 1: 777.6
 Noise: 0.1

Peak table for sample 1 : TAG0315P 1X BC (1:2)

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

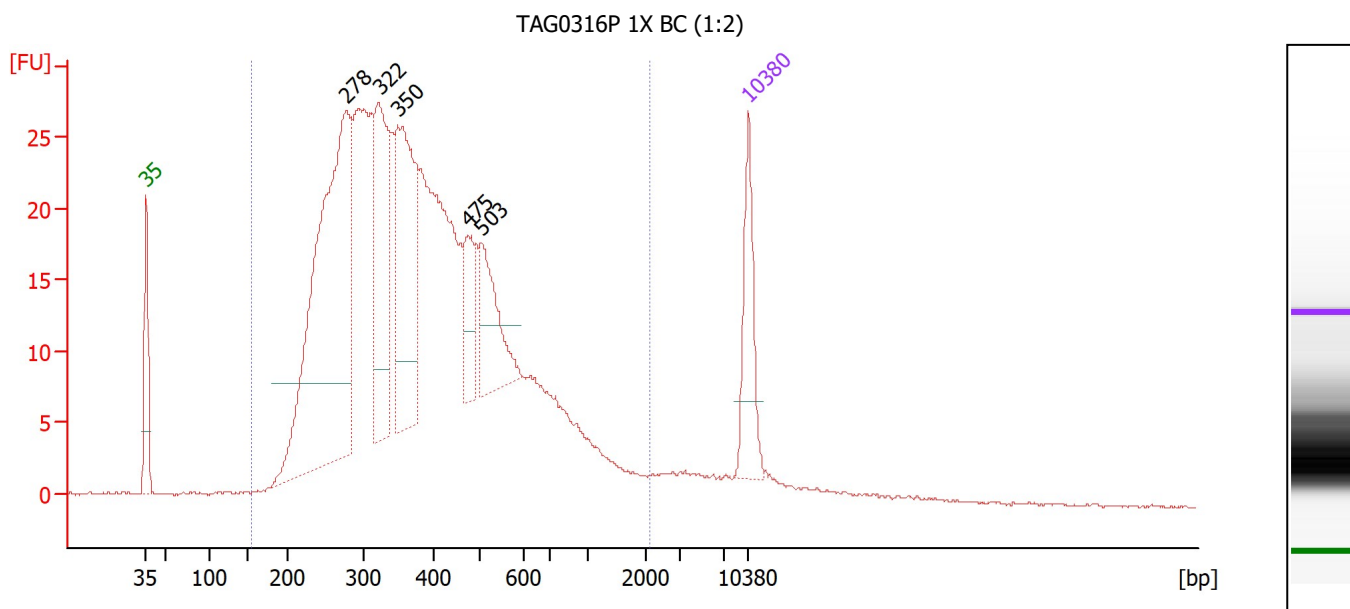
Region table for sample 1 : TAG0315P 1X BC (1:2)

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
136	6,721	777.6	97	612	100.0	3,107.08	12,533.8	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-09-23_001.xad

Created: 9/23/2025 11:15:47 AM
Modified: 9/23/2025 12:17:42 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : TAG0316P 1X BC (1:2)

Number of peaks found: 5 Corr. Area 1: 763.0
Noise: 0.1

Peak table for sample 2 : TAG0316P 1X BC (1:2)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	278	679.23	3,706.6	
3	322	228.99	1,076.2	
4	350	271.98	1,177.9	
5	475	64.03	204.1	
6	503	108.73	327.7	
7	10,380	75.00	10.9	Upper Marker

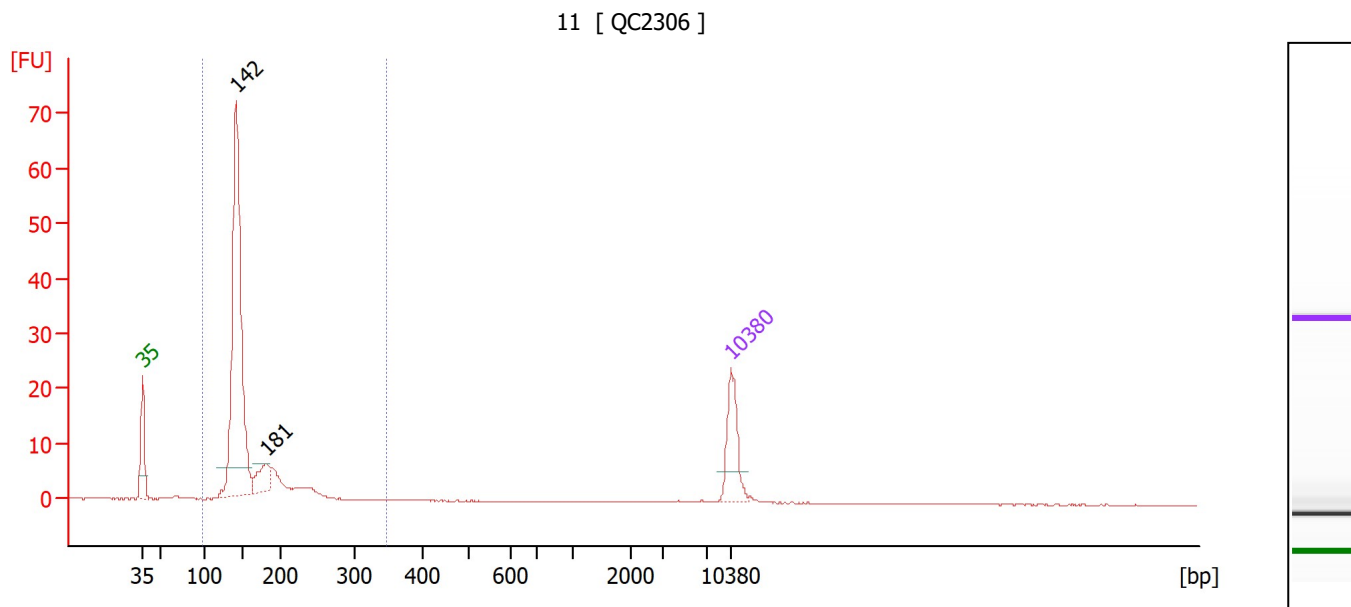
Region table for sample 2 : TAG0316P 1X BC (1:2)

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
155	2,106	763.0	96	428	55.3	3,039.29	13,373.1	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-09-23_001.xad

Created: 9/23/2025 11:15:47 AM
Modified: 9/23/2025 12:17:42 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : 11

Number of peaks found: 2 Corr. Area 1: 192.4
Noise: 0.1

Peak table for sample 3 : 11

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	142	736.69	7,839.2	
3	181	65.91	553.0	
4	10,380	75.00	10.9	Upper Marker

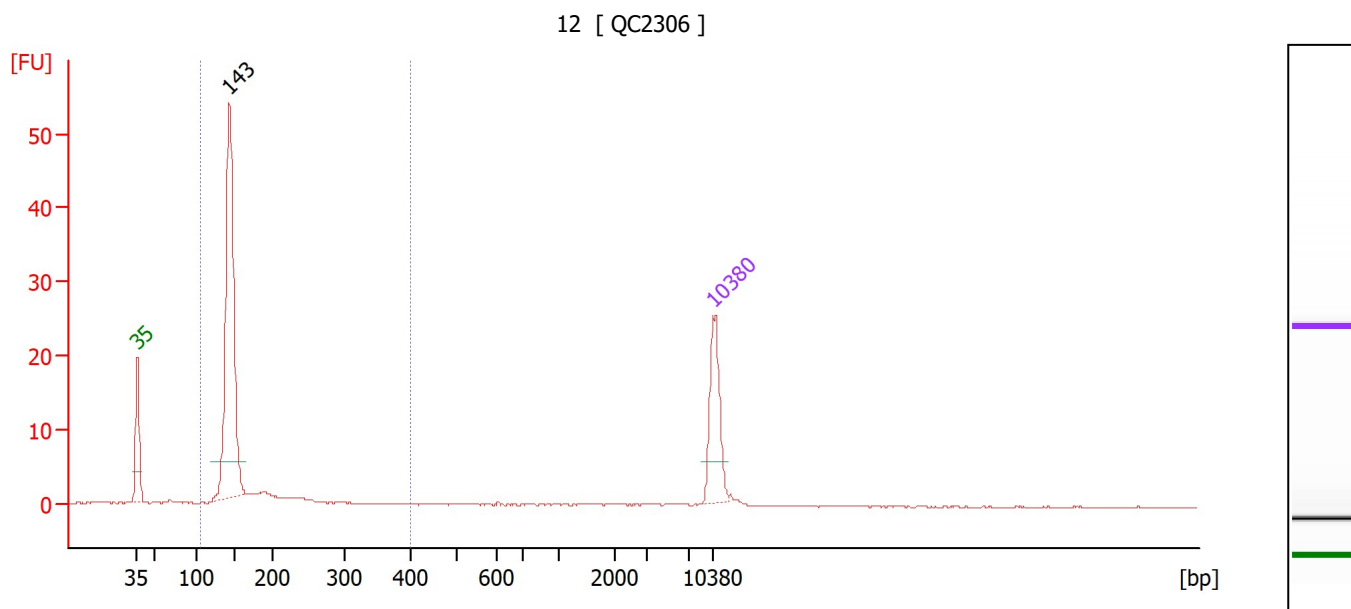
Region table for sample 3 : 11

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
98	346	192.4	97	158	19.0	971.51	9,650.7	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-09-23_001.xad

Created: 9/23/2025 11:15:47 AM
 Modified: 9/23/2025 12:17:42 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : 12

Number of peaks found: 1 Corr. Area 1: 118.8
 Noise: 0.1

Peak table for sample 4 : 12

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	143	497.85	5,275.9	
3	10,380	75.00	10.9	Upper Marker

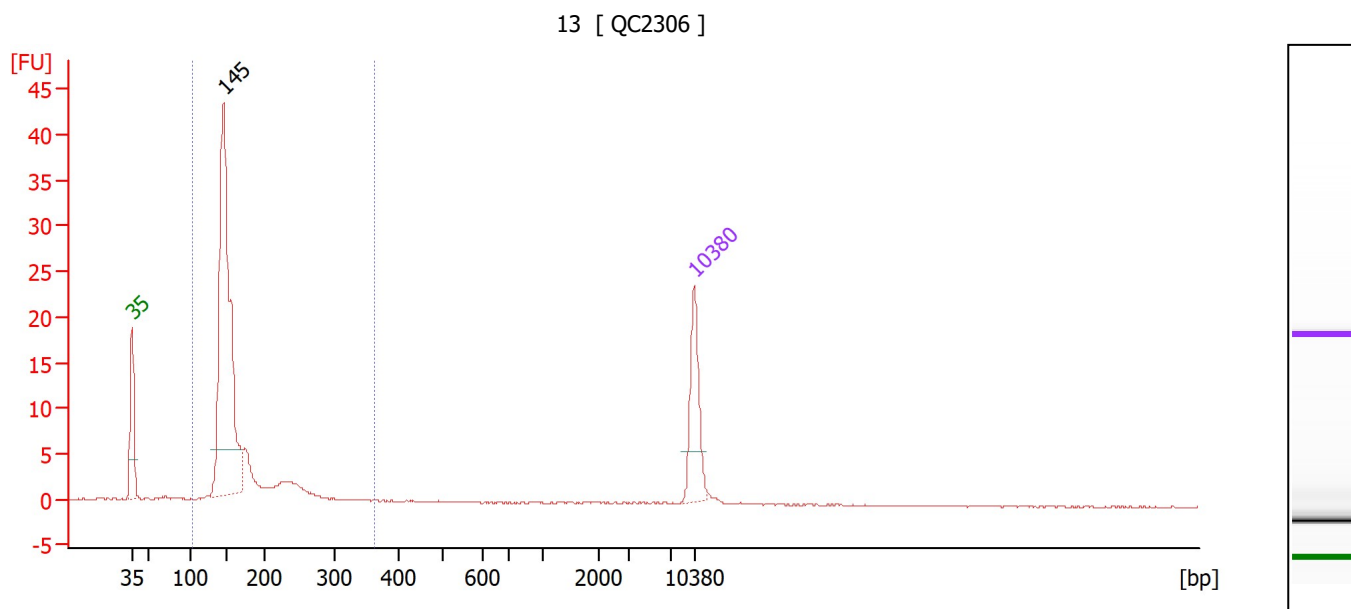
Region table for sample 4 : 12

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
104	398	118.8	97	152	17.5	575.85	5,885.4	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-09-23_001.xad

Created: 9/23/2025 11:15:47 AM
 Modified: 9/23/2025 12:17:42 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : 13

Number of peaks found: 1 Corr. Area 1: 137.7
 Noise: 0.1

Peak table for sample 5 : 13

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	145	624.30	6,511.1	
3	10,380	75.00	10.9	Upper Marker

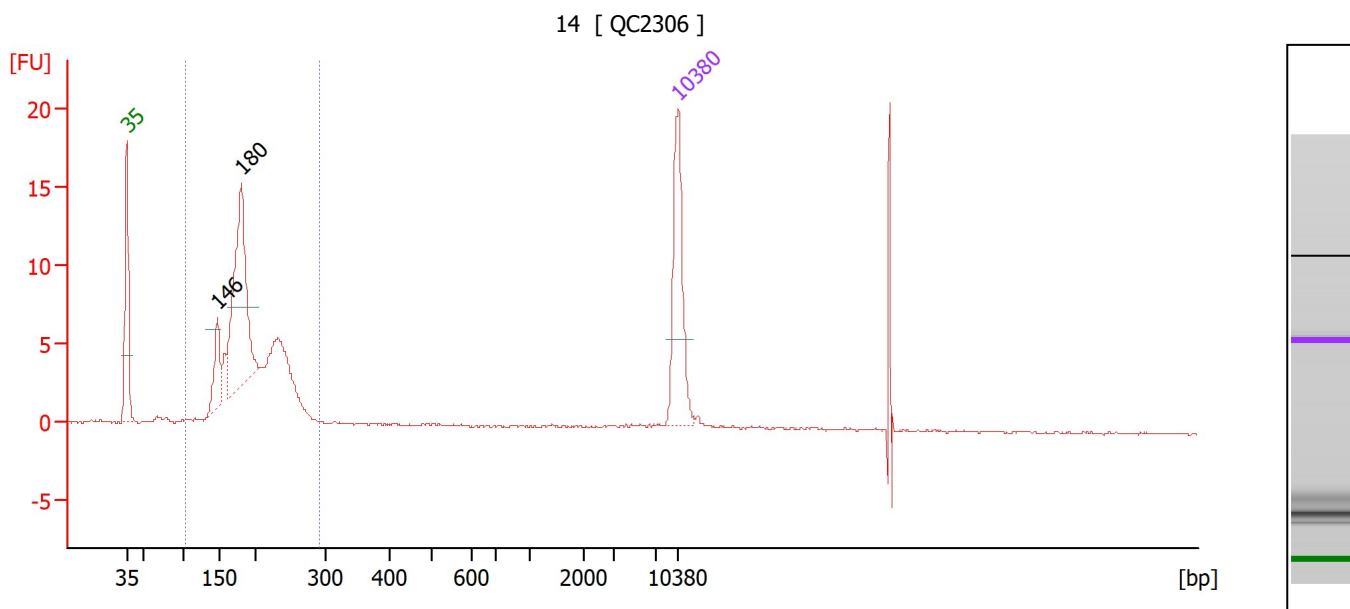
Region table for sample 5 : 13

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
103	363	137.7	97	163	20.5	795.60	7,690.6	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-09-23_001.xad

Created: 9/23/2025 11:15:47 AM
 Modified: 9/23/2025 12:17:42 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : 14

Number of peaks found: 2 Corr. Area 1: 99.9
 Noise: 0.1

Peak table for sample 6 : 14

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	146	52.36	542.6	
3	180	211.92	1,787.9	
4	10,380	75.00	10.9	Upper Marker

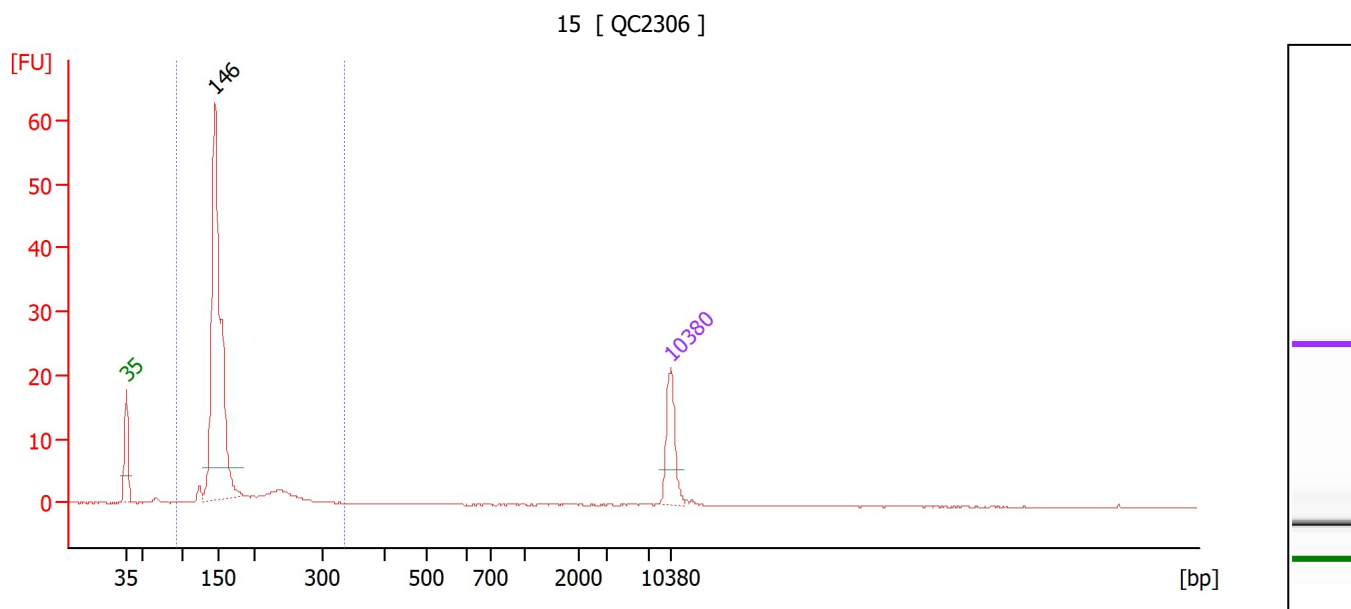
Region table for sample 6 : 14

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
103	294	99.9	85	193	18.0	591.02	4,821.7	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-09-23_001.xad

Created: 9/23/2025 11:15:47 AM
Modified: 9/23/2025 12:17:42 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 15

Number of peaks found: 1 Corr. Area 1: 158.2
Noise: 0.1

Peak table for sample 7 : 15

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	146	818.66	8,521.2	
3	10,380	75.00	10.9	Upper Marker

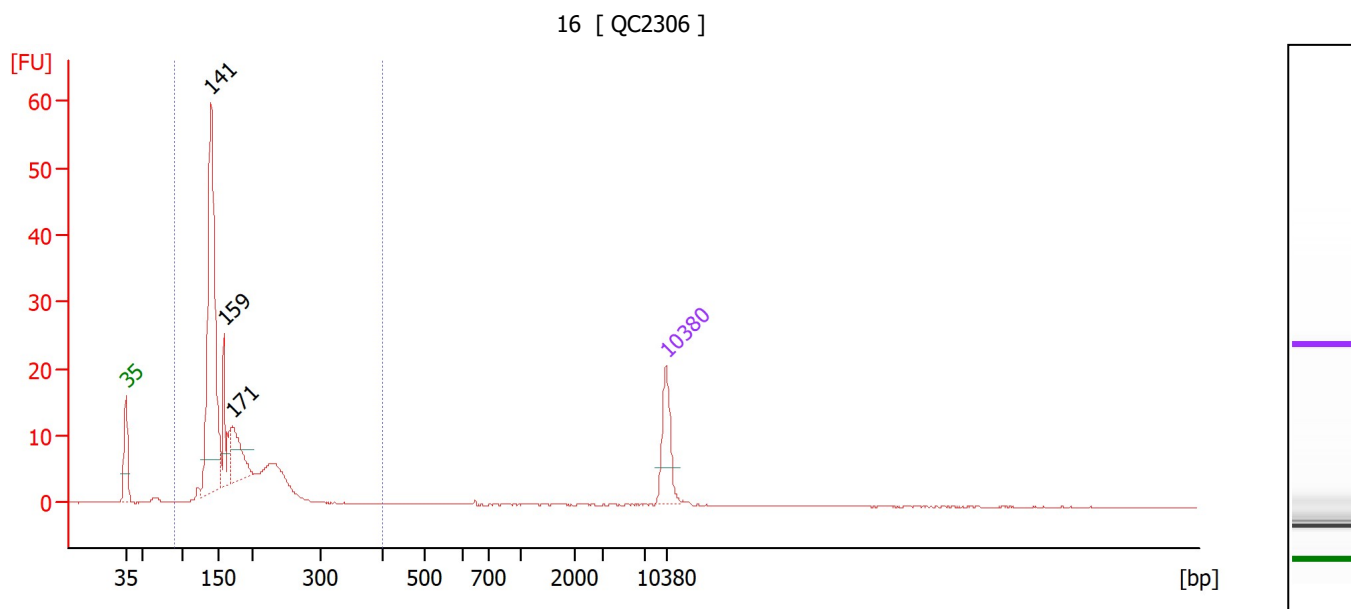
Region table for sample 7 : 15

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
92	334	158.2	95	160	20.7	972.38	9,561.3	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-09-23_001.xad

Created: 9/23/2025 11:15:47 AM
 Modified: 9/23/2025 12:17:42 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : 16

Number of peaks found: 3 Corr. Area 1: 211.2
 Noise: 0.1

Peak table for sample 8 : 16

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	141	704.60	7,557.8	
3	159	122.33	1,168.1	
4	171	137.62	1,221.0	
5	10,380	75.00	10.9	Upper Marker

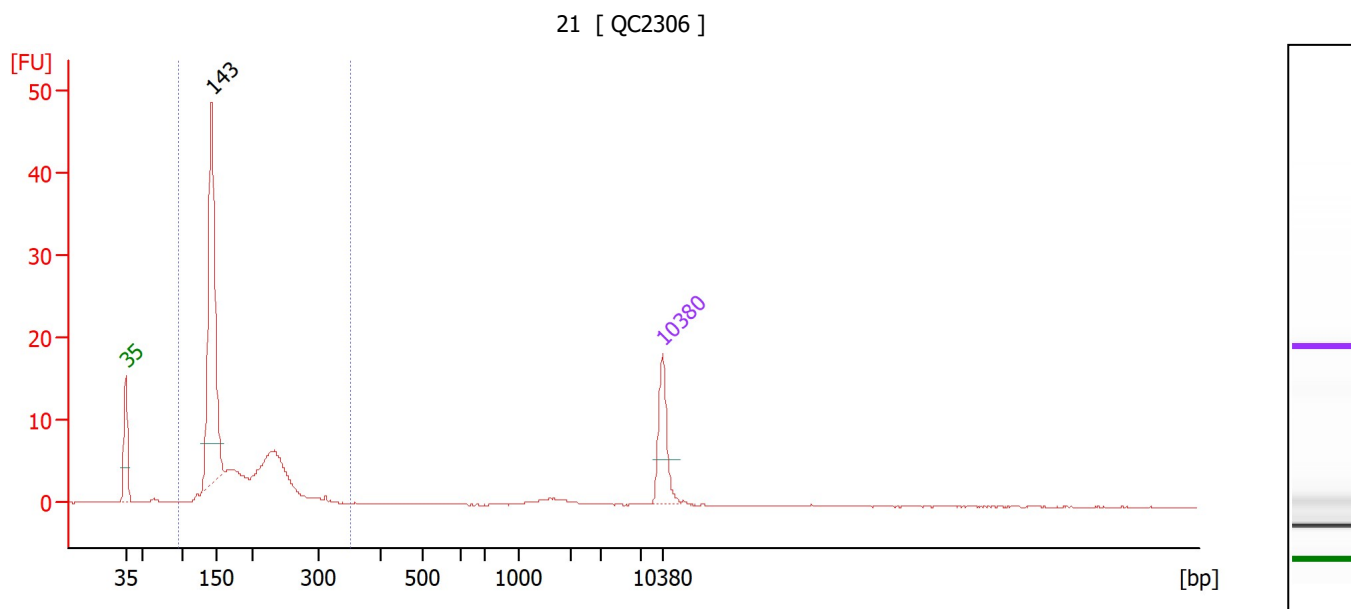
Region table for sample 8 : 16

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
90	399	211.2	96	170	23.6	1,397.07	13,224.4	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-09-23_001.xad

Created: 9/23/2025 11:15:47 AM
Modified: 9/23/2025 12:17:42 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : 21

Number of peaks found: 1 Corr. Area 1: 150.9
Noise: 0.1

Peak table for sample 9 : 21

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	143	603.02	6,395.5	
3	10,380	75.00	10.9	Upper Marker

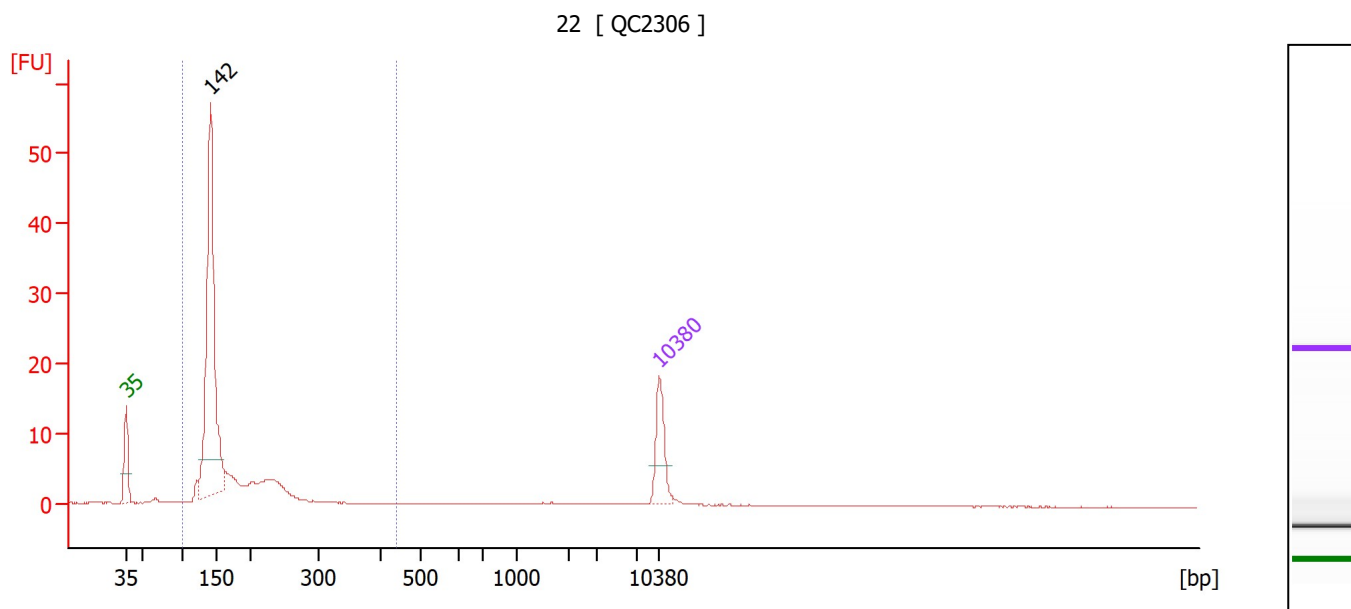
Region table for sample 9 : 21

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
95	351	150.9	95	176	25.6	1,127.25	10,453.9	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-09-23_001.xad

Created: 9/23/2025 11:15:47 AM
 Modified: 9/23/2025 12:17:42 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : 22

Number of peaks found: 1 Corr. Area 1: 156.1
 Noise: 0.1

Peak table for sample 10 : 22

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	142	802.46	8,558.4	
3	10,380	75.00	10.9	Upper Marker

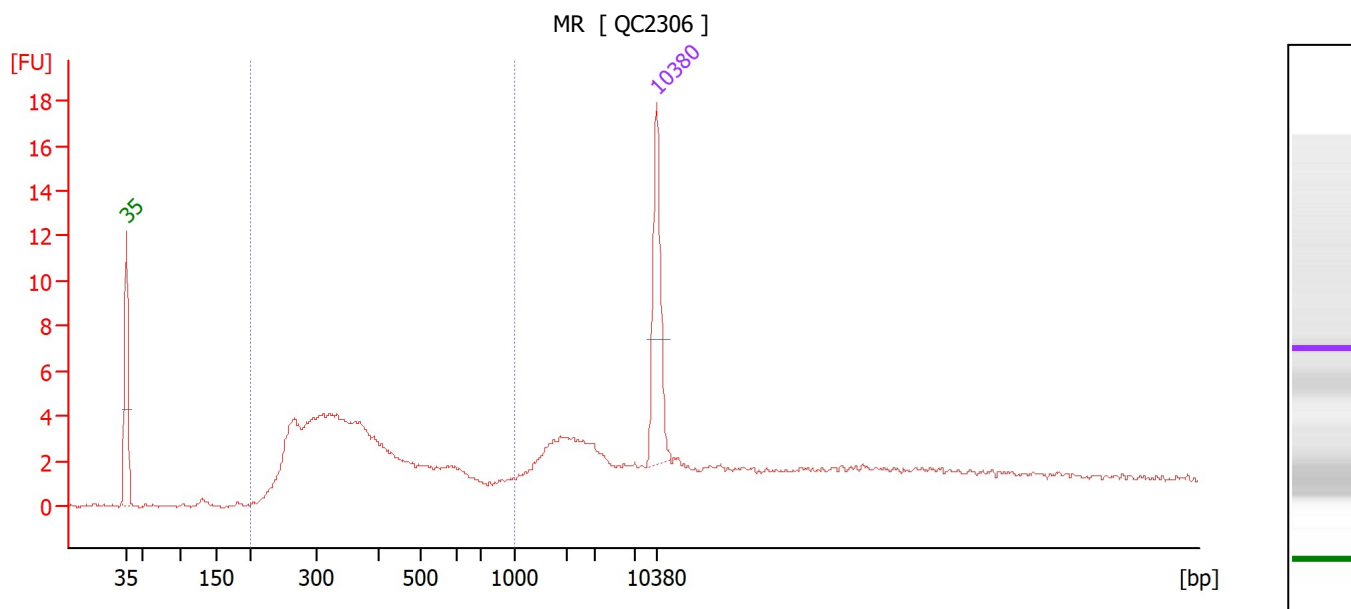
Region table for sample 10 : 22

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
100	442	156.1	95	164	26.1	1,170.60	11,495.8	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-09-23_001.xad

Created: 9/23/2025 11:15:47 AM
Modified: 9/23/2025 12:17:42 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : MR

Number of peaks found: 0
Noise: 0.1
Corr. Area 1: 84.2

Peak table for sample 11 : MR

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

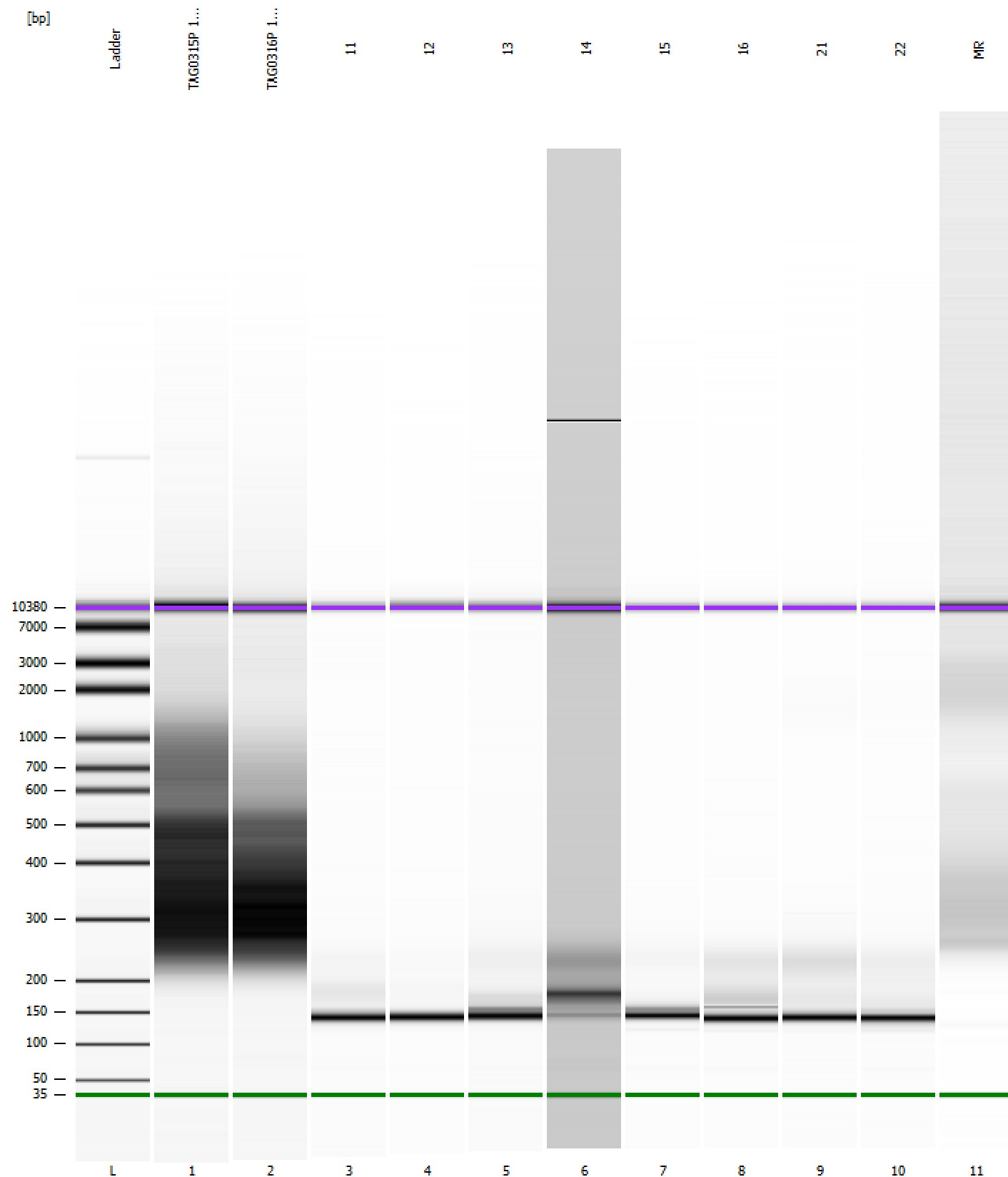
Region table for sample 11 : MR

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	84.2	58	399	36.3	614.85	2,673.9	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-09-23_001.xad

Created: 9/23/2025 11:15:47 AM
 Modified: 9/23/2025 12:17:42 PM

Gel Image



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-09-23_001.xad

Created: 9/23/2025 11:15:47 AM
 Modified: 9/23/2025 12:17:42 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		9/23/2025 11:57:10 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\2025-09-23\Bioanalyzer1_High Sensitivity DNA Assay_DE34903152_2025-09-23_001.xad)		Instrument	Run		9/23/2025 11:15:55 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		9/23/2025 11:15:55 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		9/23/2025 11:15:55 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		9/23/2025 11:15:55 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		9/23/2025 11:15:55 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		9/23/2025 11:15:55 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		9/23/2025 11:15:55 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB