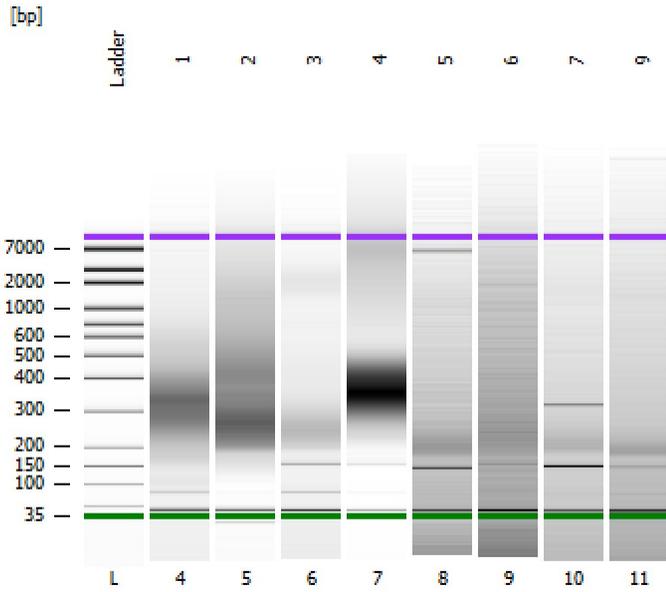


Assay Class: High Sensitivity DNA Assay
Data Path: C:\Users\sbsuser\Desktop\2023-05-04\HiSeq2299_BioA.xad

Created: 5/4/2023 3:23:07 PM
Modified: 5/4/2023 4:12:21 PM

Electrophoresis File Run Summary



Instrument Information:

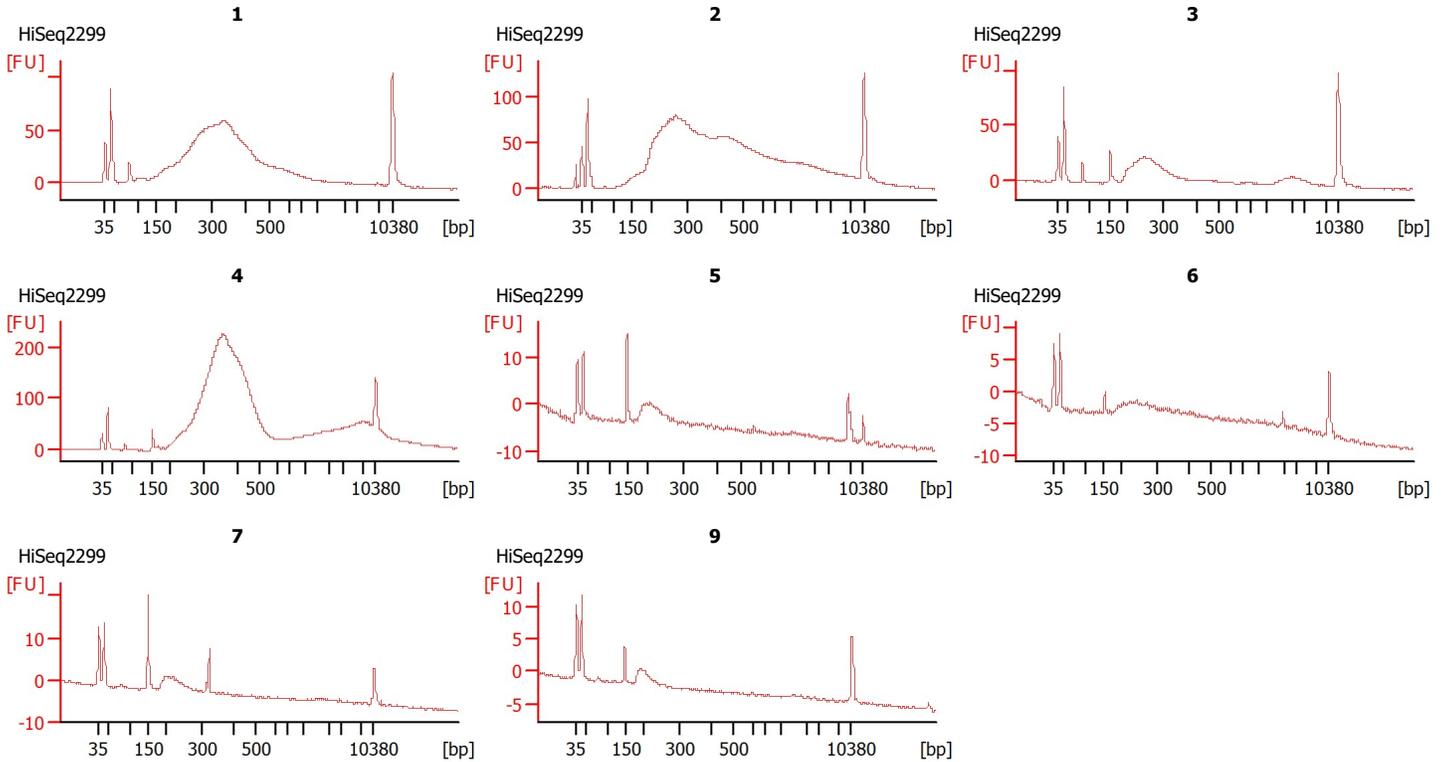
Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

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:\Users\sbsuser\Desktop\2023-05-04\HiSeq2299_BioA.xad

Created: 5/4/2023 3:23:07 PM
 Modified: 5/4/2023 4:12:21 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
1	HiSeq2299	<input type="checkbox"/>		✓		
2	HiSeq2299	<input type="checkbox"/>		✓		
3	HiSeq2299	<input type="checkbox"/>		✓		
4	HiSeq2299	<input type="checkbox"/>		✓		
5	HiSeq2299	<input type="checkbox"/>		✓		
6	HiSeq2299	<input type="checkbox"/>		✓		
7	HiSeq2299	<input type="checkbox"/>		✓		
9	HiSeq2299	<input type="checkbox"/>		✓		
Ladder		<input type="checkbox"/>		✓		

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
Data Path: C:\Users\sbsuser\Desktop\2023-05-04\HiSeq2299_BioA.xad

Created: 5/4/2023 3:23:07 PM
Modified: 5/4/2023 4:12:21 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

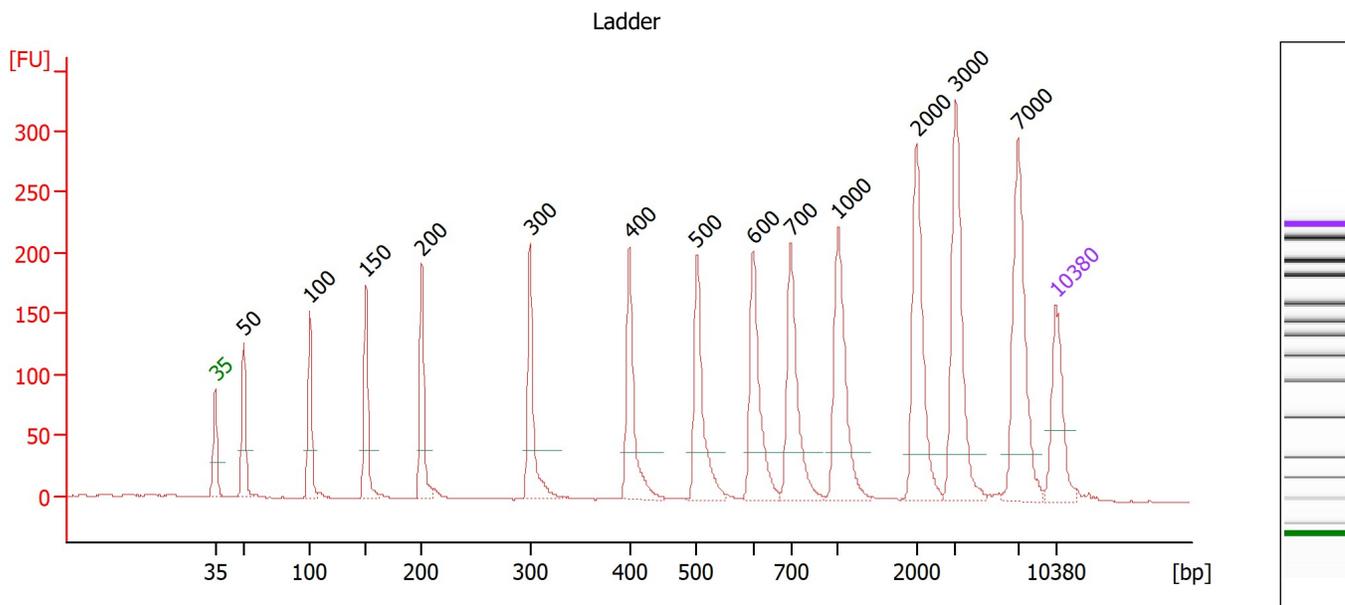
Ladder

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:\Users\sbsuser\Desktop\2023-05-04\HiSeq2299_BioA.xad

Created: 5/4/2023 3:23:07 PM
 Modified: 5/4/2023 4:12:21 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.4

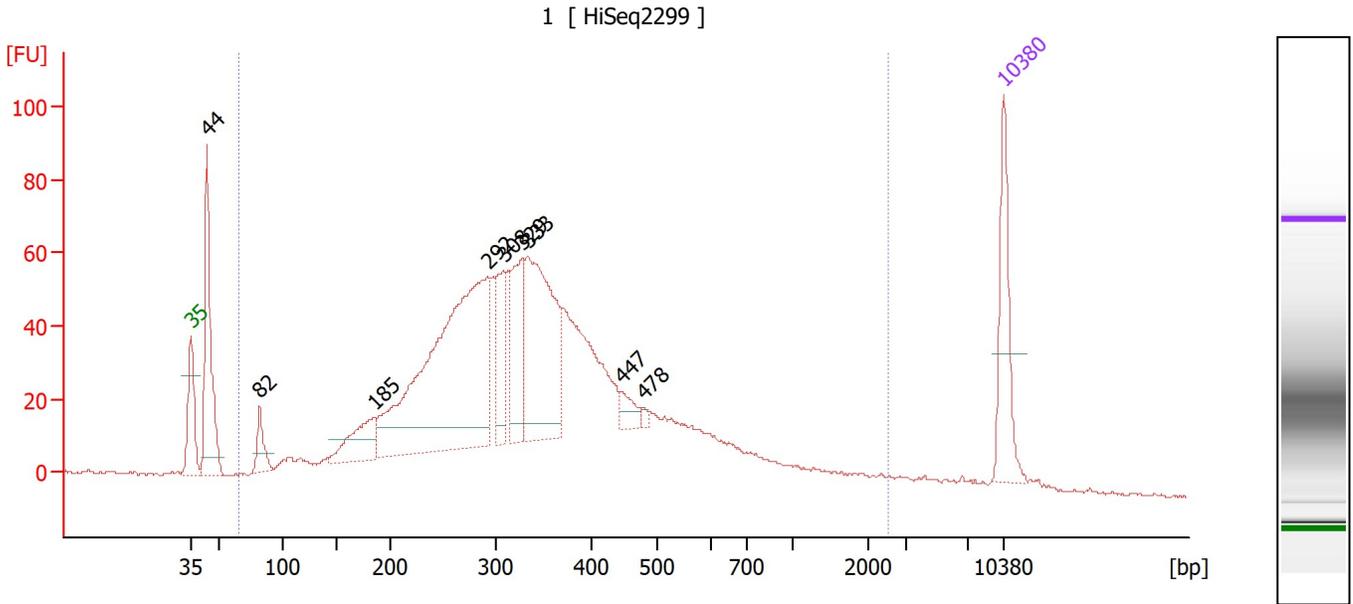
Peak table for Ladder

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:\Users\sbsuser\Desktop\2023-05-04\HiSeq2299_BioA.xad

Created: 5/4/2023 3:23:07 PM
 Modified: 5/4/2023 4:12:21 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : 1

Number of peaks found: 9 Corr. Area 1: 1,802.8
 Noise: 0.5

Peak table for sample 4 : 1

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	44	227.32	7,895.6	
3	82	42.17	778.9	
4	185	79.56	650.8	
5	292	574.47	2,977.7	
6	308	80.42	395.4	
7	329	104.61	482.4	
8	333	266.03	1,208.7	
9	447	22.06	74.9	
10	478	4.45	14.1	
11	10,380	75.00	10.9	Upper Marker

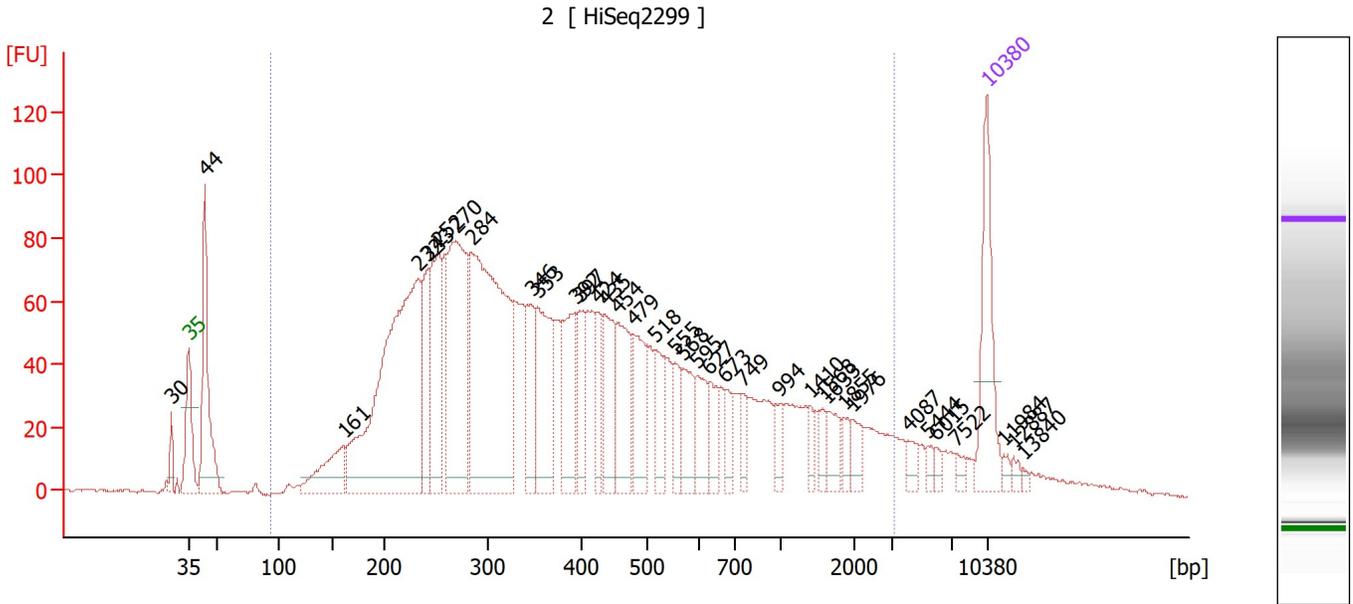
Region table for sample 4 : 1

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
66	2,537	1,802.8	91	387	68.7	2,379.13	13,173.6	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\Users\sbsuser\Desktop\2023-05-04\HiSeq2299_BioA.xad

Created: 5/4/2023 3:23:07 PM
 Modified: 5/4/2023 4:12:21 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : 2

Number of peaks found: 36 Corr. Area 1: 3,023.6
 Noise: 0.4

Peak table for sample 5 : 2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	30	0.00	0.0	
2	35	125.00	5,411.3	Lower Marker
3	44	186.65	6,460.1	
4	161	82.79	778.2	
5	232	505.21	3,294.6	
6	243	75.28	470.0	
7	252	138.17	829.2	
8	270	242.23	1,361.8	
9	284	420.92	2,245.8	
10	346	64.99	284.7	
11	353	118.71	510.1	
12	392	87.01	336.4	
13	397	52.62	200.6	
14	424	41.37	148.0	
15	435	76.22	265.4	
16	454	79.95	266.7	
17	479	72.86	230.4	
18	518	45.27	132.5	
19	555	33.31	91.0	
20	568	43.57	116.1	
21	595	41.16	104.8	
22	627	27.88	67.4	
23	673	23.34	52.6	
24	749	17.82	36.1	
25	994	18.26	27.8	
26	1,410	13.26	14.2	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\Users\sbsuser\Desktop\2023-05-04\HiSeq2299_BioA.xad

Created: 5/4/2023 3:23:07 PM
 Modified: 5/4/2023 4:12:21 PM

Electropherogram Summary Continued ...

... Peak table for sample 5 : 2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	1,568	11.61	11.2	
28	1,633	22.68	21.0	
29	1,855	12.90	10.5	
30	1,976	16.77	12.9	
31	4,087	10.60	3.9	
32	5,444	7.35	2.0	
33	6,015	5.32	1.3	
34	7,522	6.34	1.3	
35	10,380	75.00	10.9	Upper Marker
36	11,984	0.00	0.0	
37	12,887	0.00	0.0	
38	13,840	0.00	0.0	

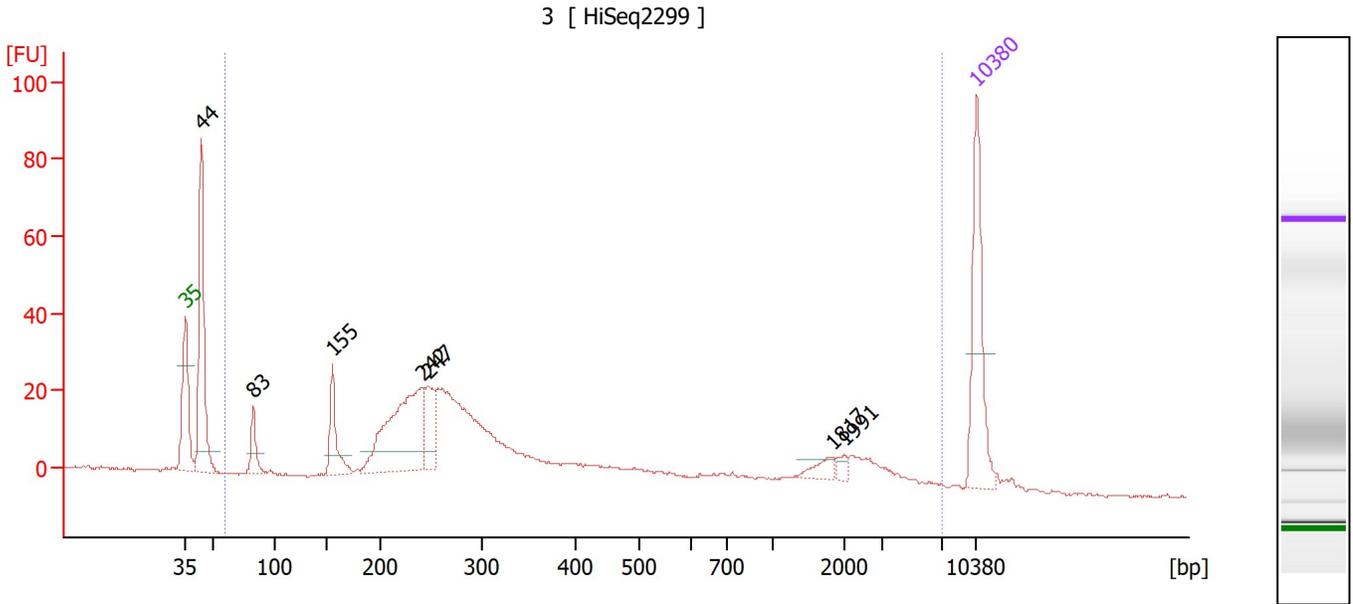
Region table for sample 5 : 2

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
94	3,168	3,023.6	91	543	92.2	2,964.10	14,076.5	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\Users\sbsuser\Desktop\2023-05-04\HiSeq2299_BioA.xad

Created: 5/4/2023 3:23:07 PM
 Modified: 5/4/2023 4:12:21 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : 3

Number of peaks found: 7 Corr. Area 1: 549.8
 Noise: 0.4

Peak table for sample 6 : 3

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	44	190.12	6,569.8	
3	83	33.42	609.9	
4	155	54.04	527.2	
5	242	174.38	1,092.0	
6	247	45.72	280.3	
7	1,817	10.76	9.0	
8	1,991	5.72	4.4	
9	10,380	75.00	10.9	Upper Marker

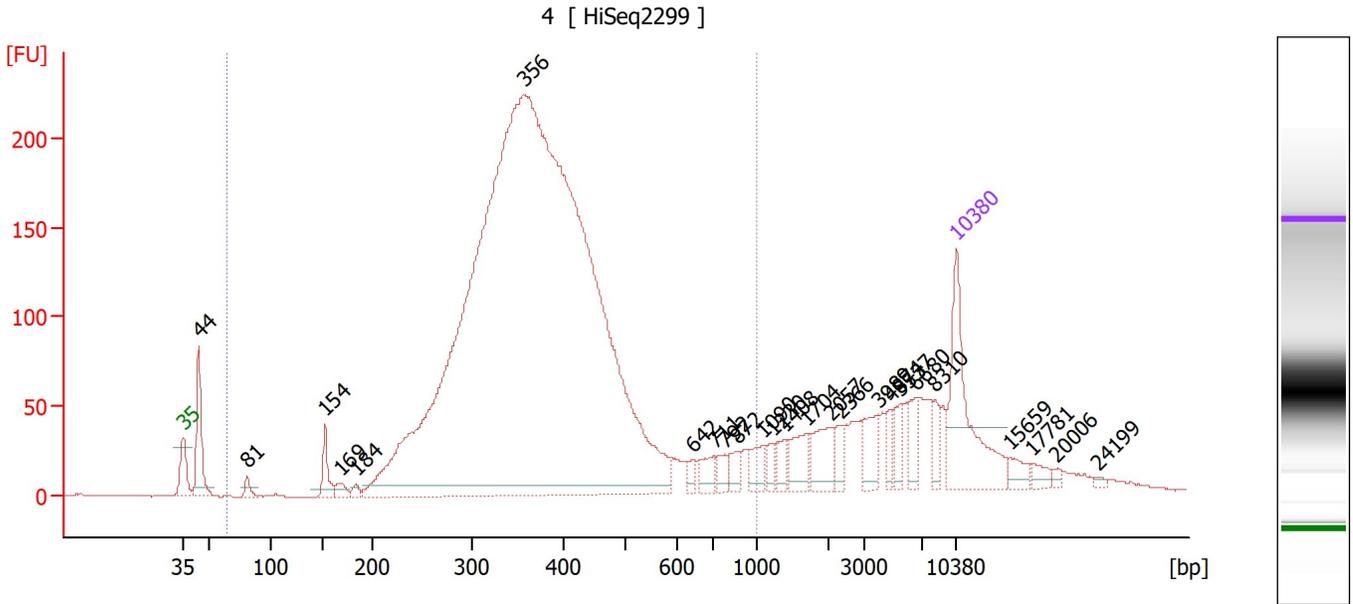
Region table for sample 6 : 3

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
60	7,088	549.8	82	713	100.0	735.44	4,348.1	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\Users\sbsuser\Desktop\2023-05-04\HiSeq2299_BioA.xad

Created: 5/4/2023 3:23:07 PM
 Modified: 5/4/2023 4:12:21 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 4

Number of peaks found: 25 Corr. Area 1: 4,115.8
 Noise: 0.4

Peak table for sample 7 : 4

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	44	71.93	2,473.6	
3	81	9.41	175.4	
4	154	25.70	253.7	
5	169	10.21	91.5	
6	184	5.90	48.7	
7	356	1,986.89	8,460.3	
8	642	7.40	17.5	
9	711	15.31	32.6	
10	792	10.59	20.3	
11	872	10.30	17.9	
12	1,090	15.57	21.7	
13	1,230	8.33	10.3	
14	1,408	11.78	12.7	
15	1,704	21.46	19.1	
16	2,057	25.50	18.8	
17	2,366	10.33	6.6	
18	3,989	22.13	8.4	
19	4,874	10.18	3.2	
20	5,537	13.86	3.8	
21	6,680	16.33	3.7	
22	8,310	10.56	1.9	
23	10,380	75.00	10.9	Upper Marker
24	15,659	0.00	0.0	
25	17,781	0.00	0.0	
26	20,006	0.00	0.0	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\Users\sbsuser\Desktop\2023-05-04\HiSeq2299_BioA.xad

Created: 5/4/2023 3:23:07 PM
Modified: 5/4/2023 4:12:21 PM

Electropherogram Summary Continued ...**... Peak table for sample 7 : 4**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	24,199	0.00	0.0	

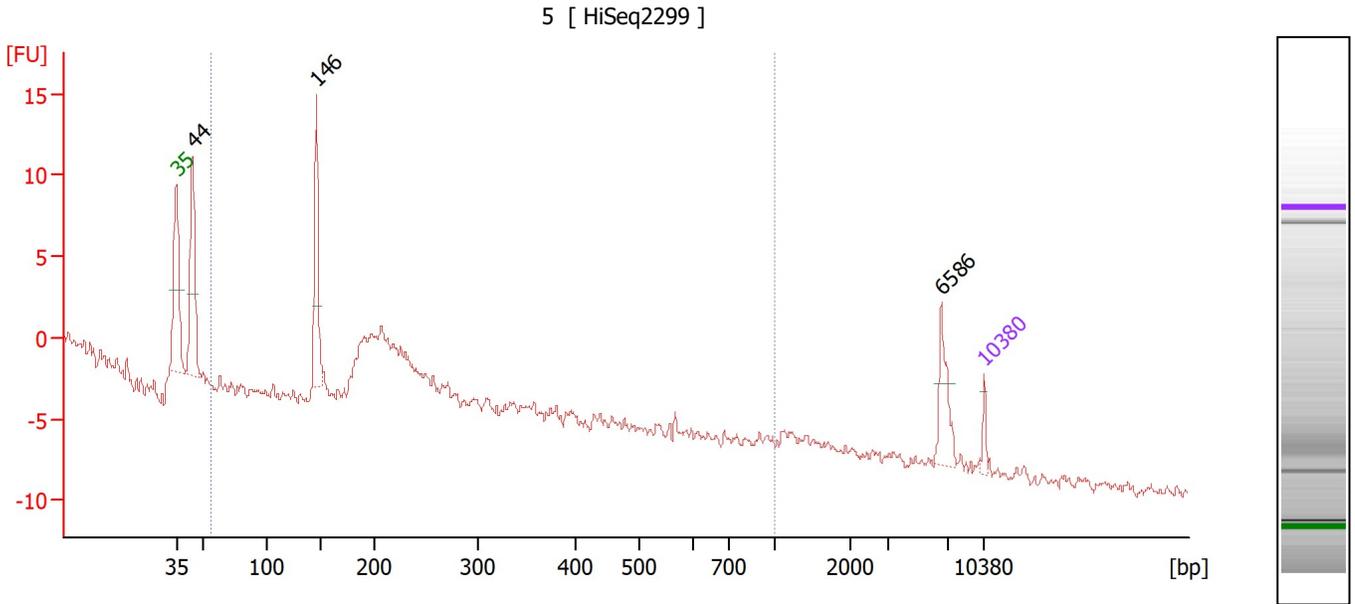
Region table for sample 7 : 4

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
64	1,000	4,115.8	83	386	30.2	2,082.84	9,121.9	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\Users\sbsuser\Desktop\2023-05-04\HiSeq2299_BioA.xad

Created: 5/4/2023 3:23:07 PM
 Modified: 5/4/2023 4:12:21 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : 5

Number of peaks found: 3 Corr. Area 1: 35.4
 Noise: 0.3

Peak table for sample 8 : 5

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	44	1,525.03	52,567.4	
3	146	1,124.65	11,707.1	
4	6,586	373.69	86.0	
5	10,380	75.00	10.9	Upper Marker

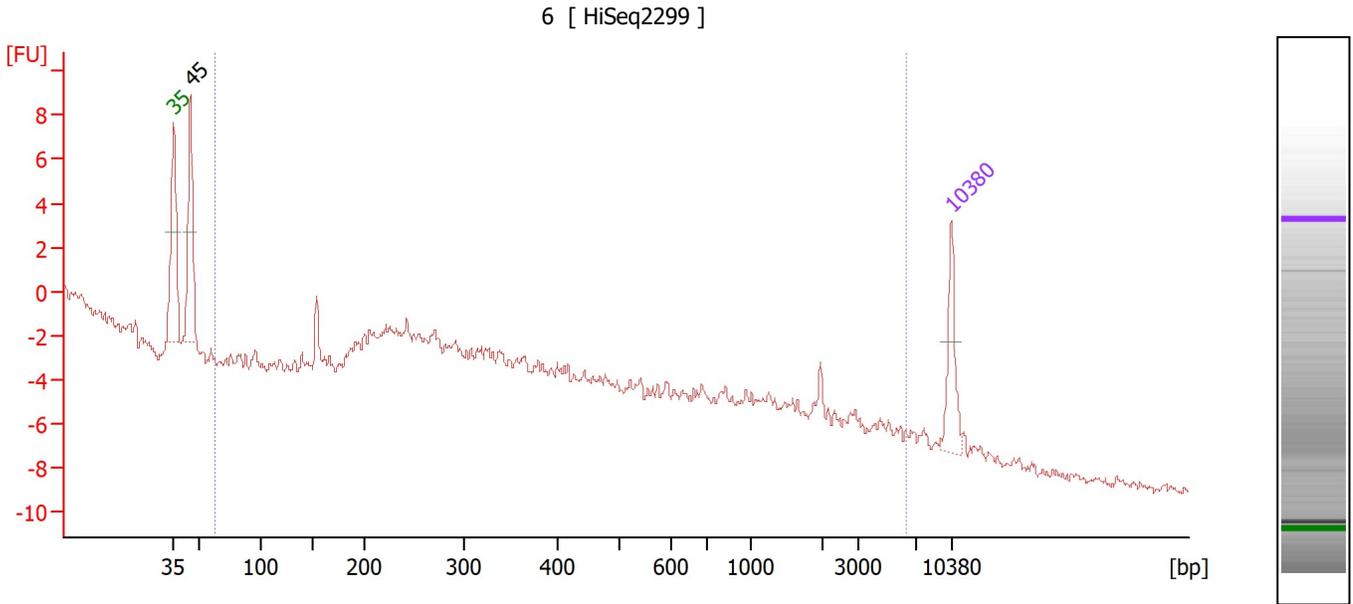
Region table for sample 8 : 5

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
55	1,000	35.4	62	196	25.4	2,917.36	24,122.6	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\Users\sbsuser\Desktop\2023-05-04\HiSeq2299_BioA.xad

Created: 5/4/2023 3:23:07 PM
 Modified: 5/4/2023 4:12:21 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : 6

Number of peaks found: 1 Corr. Area 1: 30.8
 Noise: 0.3

Peak table for sample 9 : 6

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	45	295.25	10,051.7	
3	10,380	75.00	10.9	Upper Marker

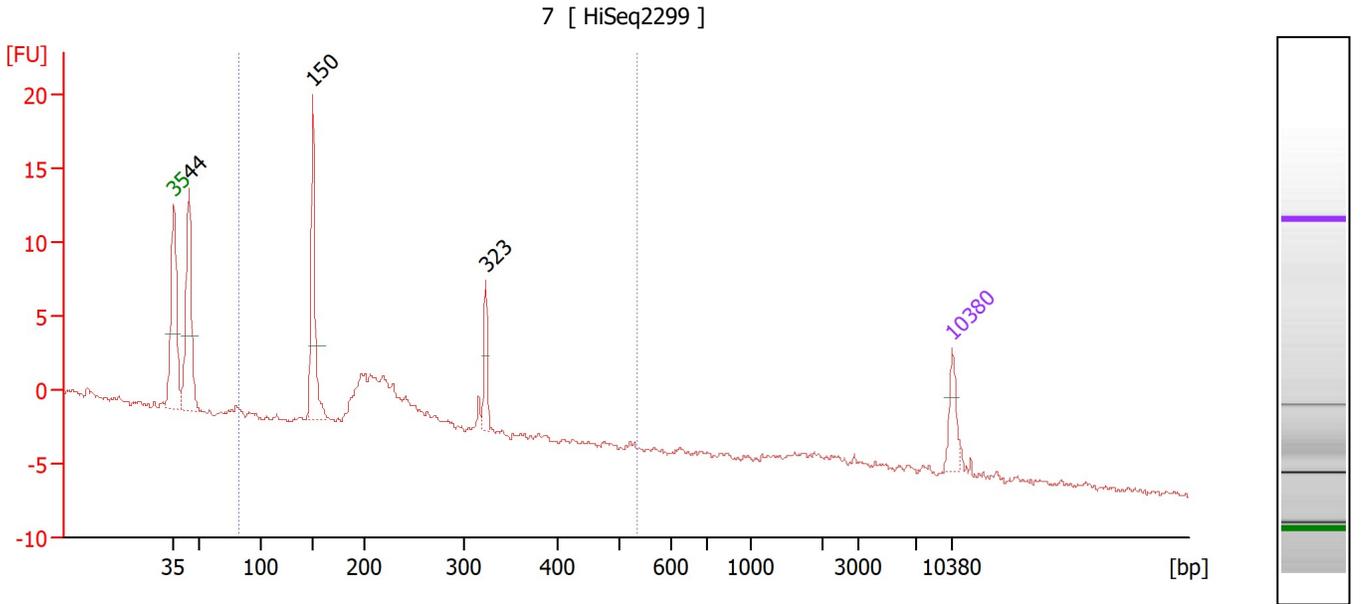
Region table for sample 9 : 6

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
62	6,308	30.8	73	991	100.0	478.66	2,037.7	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\Users\sbsuser\Desktop\2023-05-04\HiSeq2299_BioA.xad

Created: 5/4/2023 3:23:07 PM
 Modified: 5/4/2023 4:12:21 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : 7

Number of peaks found: 3 Corr. Area 1: 48.5
 Noise: 0.2

Peak table for sample 10 : 7

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	44	611.03	21,077.8	
3	150	467.62	4,729.9	
4	323	112.97	530.3	
5	10,380	75.00	10.9	Upper Marker

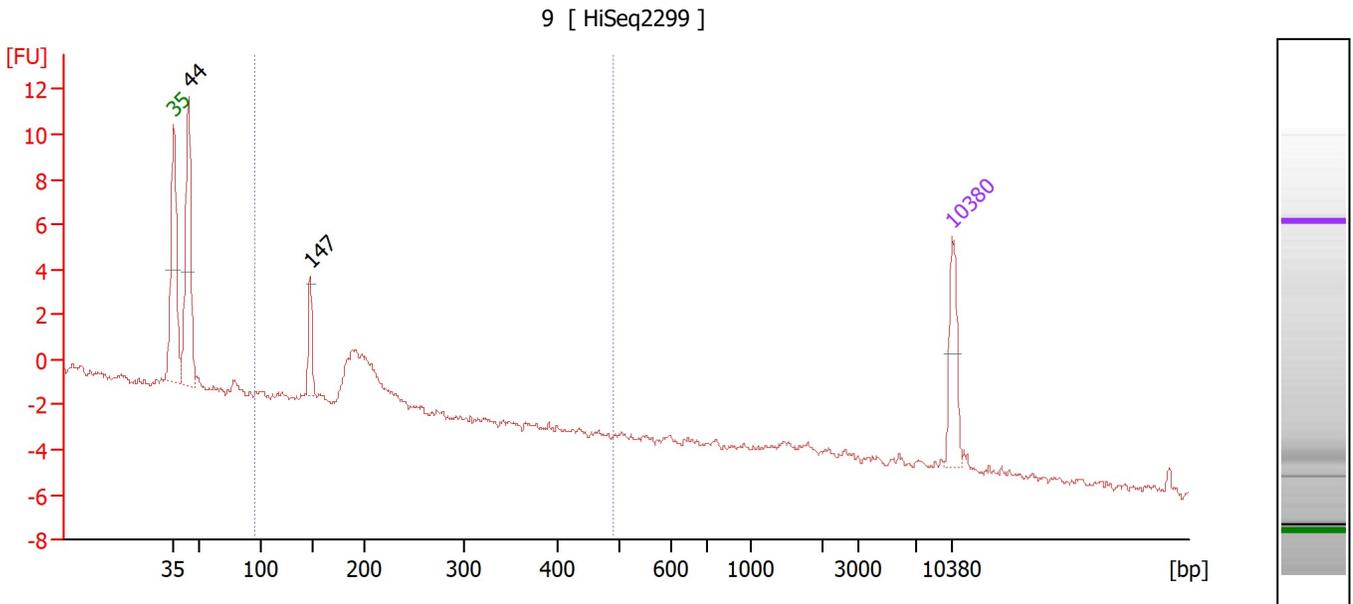
Region table for sample 10 : 7

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
82	534	48.5	67	216	27.1	1,238.59	9,570.4	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\Users\sbsuser\Desktop\2023-05-04\HiSeq2299_BioA.xad

Created: 5/4/2023 3:23:07 PM
 Modified: 5/4/2023 4:12:21 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : 9

Number of peaks found: 2 Corr. Area 1: 11.4
 Noise: 0.2

Peak table for sample 11 : 9

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	44	360.13	12,510.5	
3	147	70.86	729.4	
4	10,380	75.00	10.9	Upper Marker

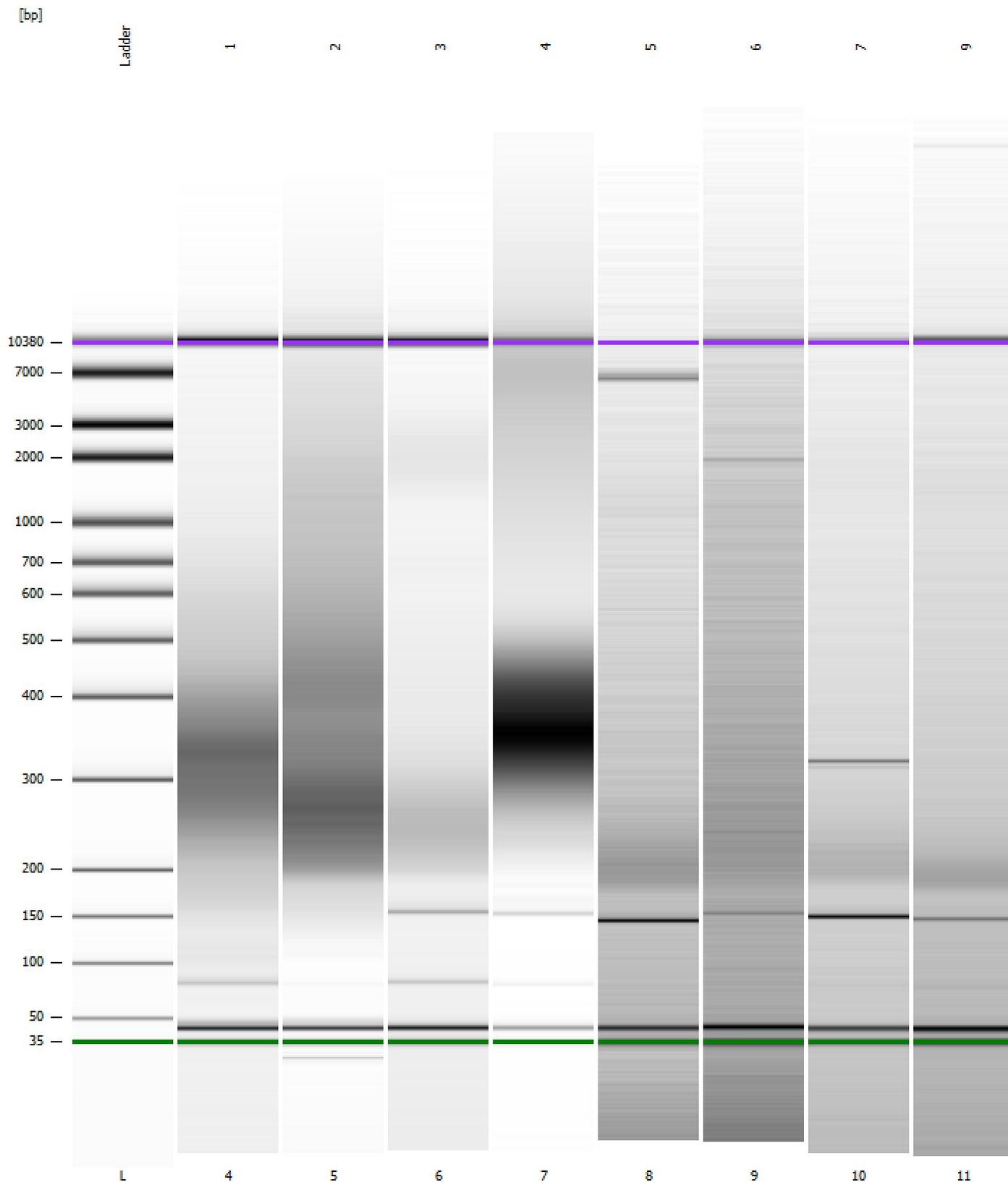
Region table for sample 11 : 9

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
95	491	11.4	42	185	12.9	209.69	1,767.1	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\Users\sbsuser\Desktop\2023-05-04\HiSeq2299_BioA.xad

Created: 5/4/2023 3:23:07 PM
Modified: 5/4/2023 4:12:21 PM

Gel Image



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\Users\sbsuser\Desktop\2023-05-04\HiSeq2299_BioA.xad

Created: 5/4/2023 3:23:07 PM
 Modified: 5/4/2023 4:12:21 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		5/4/2023 4:03:37 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: C:\Users\sbsuser\Desktop\2023-05-04\Bioanalyzer1_High Sensitivity DNA Assay_2023-05-04_003.xad)		Instrument	Run		5/4/2023 3:23:13 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		5/4/2023 3:23:13 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		5/4/2023 3:23:13 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		5/4/2023 3:23:13 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		5/4/2023 3:23:13 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		5/4/2023 3:23:13 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		5/4/2023 3:23:13 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB