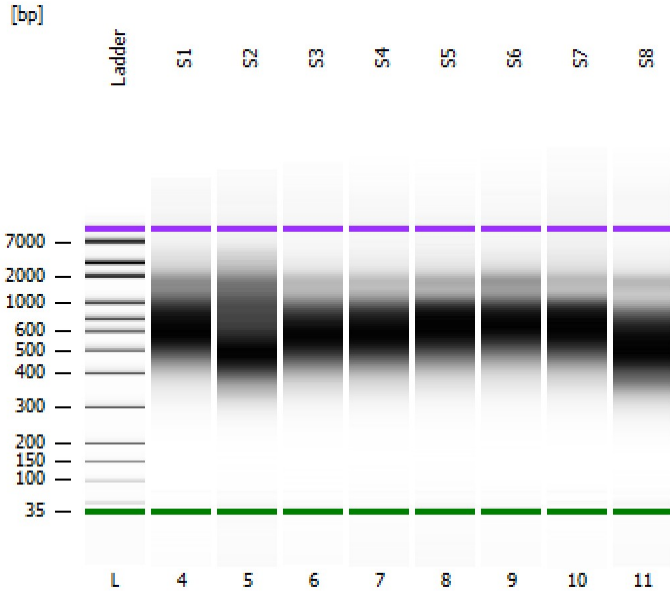


Assay Class: High Sensitivity DNA Assay
Data Path: C:\Users\sbsuser\Desktop\2023-05-04\QC1466_BioA.xad

Created: 5/4/2023 4:06:15 PM
Modified: 5/4/2023 5:11:33 PM

Electrophoresis File Run Summary



Instrument Information:

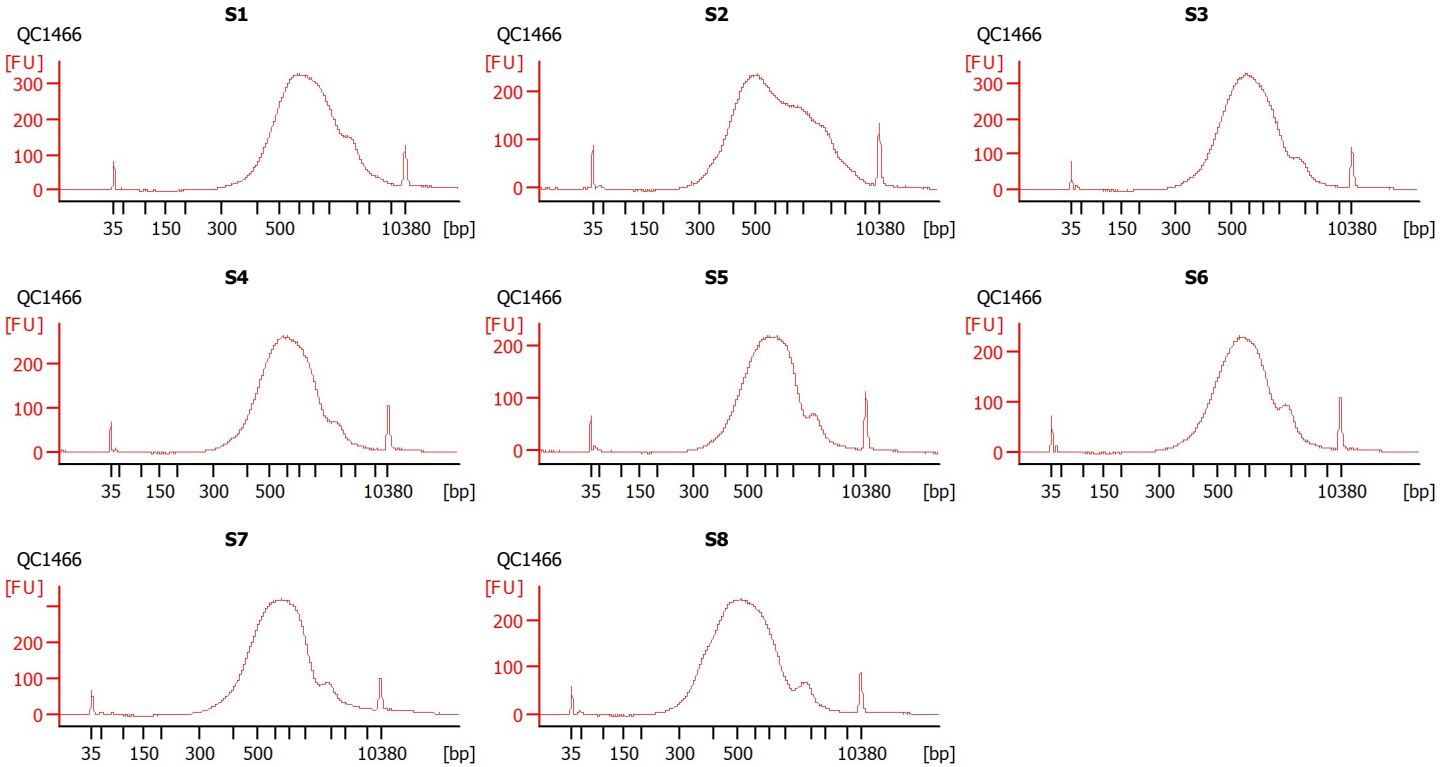
Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

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\QC1466_BioA.xad

Created: 5/4/2023 4:06:15 PM
 Modified: 5/4/2023 5:11:33 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
S1	QC1466	<input type="checkbox"/>		✓		
S2	QC1466	<input type="checkbox"/>		✓		
S3	QC1466	<input type="checkbox"/>		✓		
S4	QC1466	<input type="checkbox"/>		✓		
S5	QC1466	<input type="checkbox"/>		✓		
S6	QC1466	<input type="checkbox"/>		✓		
S7	QC1466	<input type="checkbox"/>		✓		
S8	QC1466	<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\QC1466_BioA.xad

Created: 5/4/2023 4:06:15 PM
Modified: 5/4/2023 5:11:33 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/ μ l] : 1950
Uses Standard Area for Ladder Fragments
Lower Marker Concentration [pg/ μ l] : 125
Upper Marker Concentration [pg/ μ l] : 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

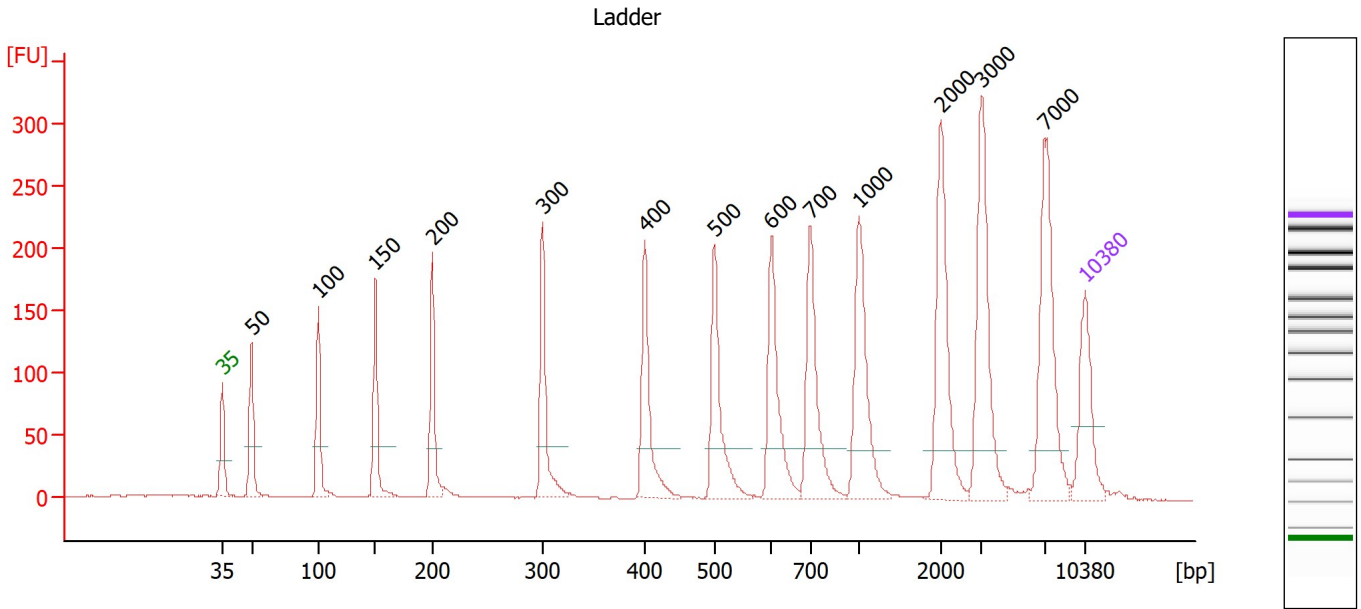
Ladder

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\QC1466_BioA.xad

Created: 5/4/2023 4:06:15 PM
 Modified: 5/4/2023 5:11:33 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.3

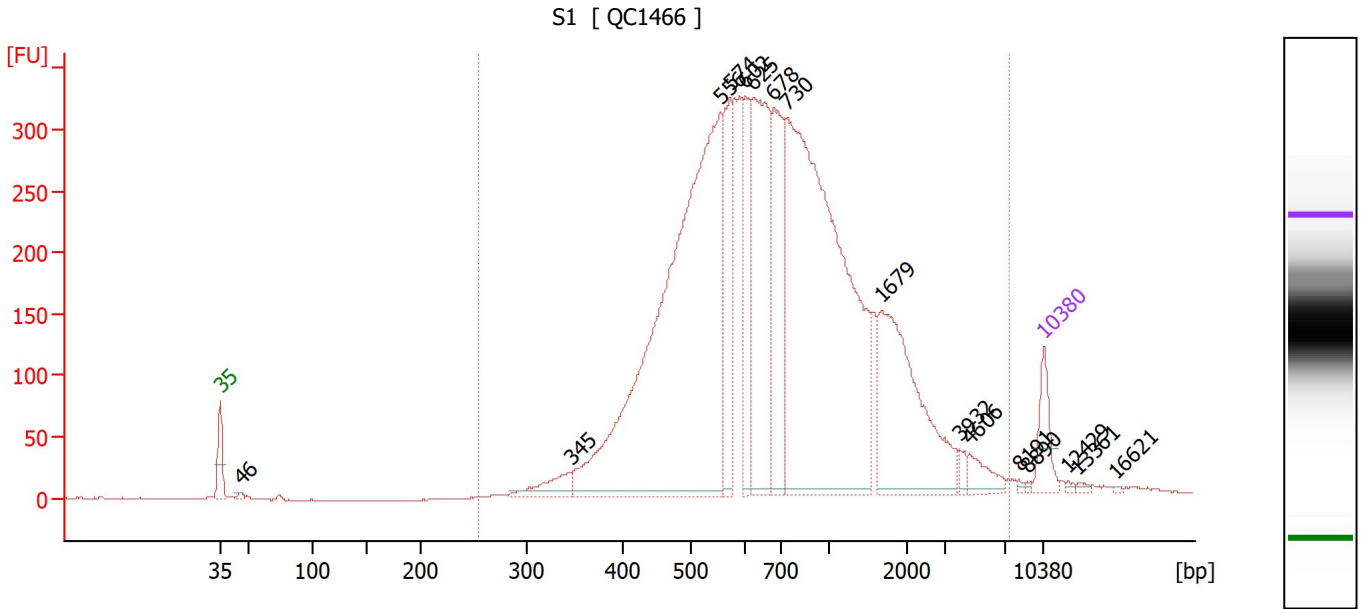
Peak table for Ladder

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:\Users\sbsuser\Desktop\2023-05-04\QC1466_BioA.xad

Created: 5/4/2023 4:06:15 PM
 Modified: 5/4/2023 5:11:33 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : S1

Number of peaks found: 16 Corr. Area 1: 6,786.5
 Noise: 0.4

Peak table for sample 4 : S1

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	46	11.91	391.1	
3	345	85.43	375.2	
4	556	1,974.21	5,375.9	
5	574	277.92	733.6	
6	602	257.23	647.3	
7	625	554.18	1,343.3	
8	678	351.81	786.0	
9	730	1,712.38	3,552.9	
10	1,679	480.14	433.2	
11	3,932	18.50	7.1	
12	4,606	48.98	16.1	
13	8,191	4.49	0.8	
14	8,890	3.76	0.6	
15	10,380	75.00	10.9	Upper Marker
16	12,429	0.00	0.0	
17	13,361	0.00	0.0	
18	16,621	0.00	0.0	

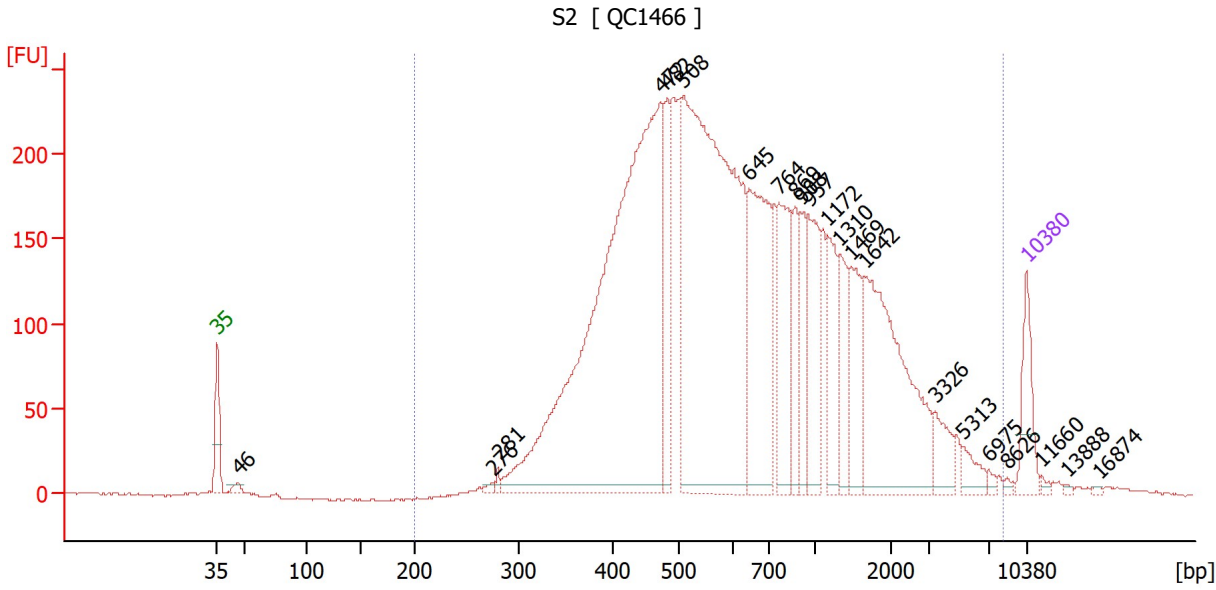
Region table for sample 4 : S1

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
255	7,258	6,786.5	99	933	83.0	6,098.14	14,235.1	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\Users\sbsuser\Desktop\2023-05-04\QC1466_BioA.xad

Created: 5/4/2023 4:06:15 PM
 Modified: 5/4/2023 5:11:33 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : S2

Number of peaks found: 22 Corr. Area 1: 6,122.4
 Noise: 0.6

Peak table for sample 5 : S2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	46	13.43	439.2	
3	276	7.70	42.3	
4	281	10.35	55.9	
5	472	1,717.74	5,519.2	
6	482	161.31	506.9	
7	508	1,361.59	4,060.9	
8	645	368.90	866.9	
9	764	202.54	401.7	
10	869	97.58	170.1	
11	908	87.94	146.8	
12	957	152.96	242.1	
13	1,172	121.84	157.6	
14	1,310	95.92	110.9	
15	1,469	130.51	134.6	
16	1,642	391.15	360.9	
17	3,326	54.12	24.7	
18	5,313	29.72	8.5	
19	6,975	6.89	1.5	
20	8,626	4.33	0.8	
21	10,380	75.00	10.9	Upper Marker
22	11,660	0.00	0.0	
23	13,888	0.00	0.0	
24	16,874	0.00	0.0	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\Users\sbsuser\Desktop\2023-05-04\QC1466_BioA.xad

Created: 5/4/2023 4:06:15 PM
Modified: 5/4/2023 5:11:33 PM

Electropherogram Summary Continued ...

... Region table for sample 5 :

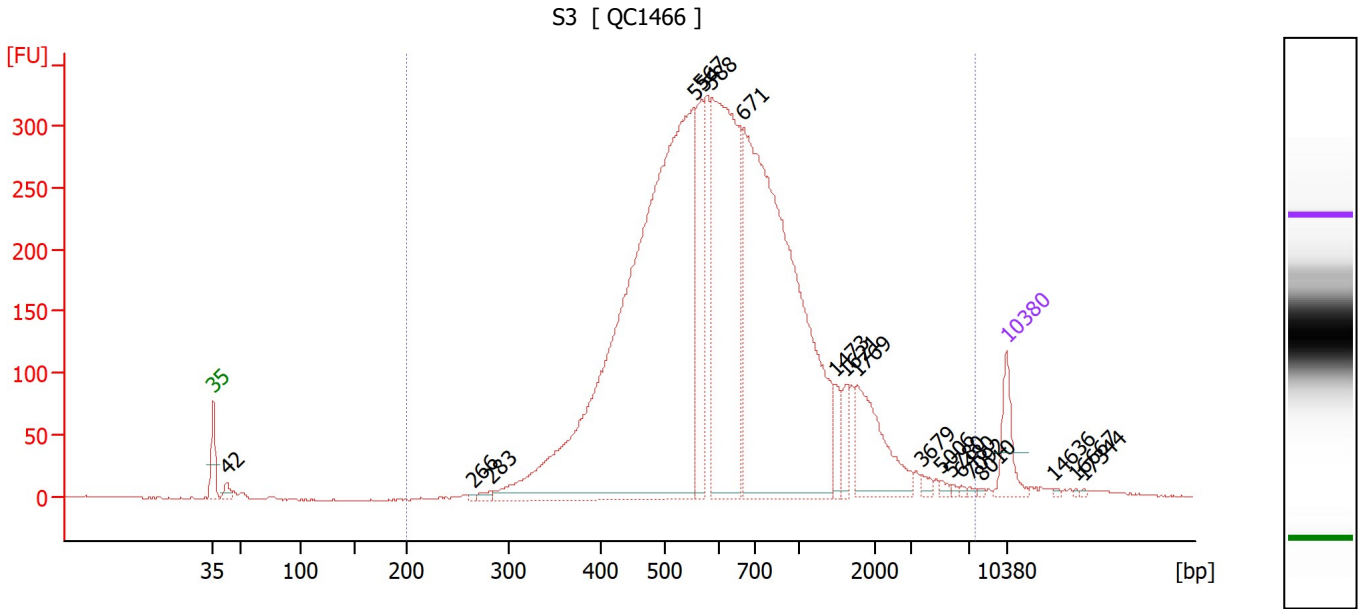
S2

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	8,242	6,122.4	99	925	98.0	5,407.93	14,345.5	■

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\Users\sbsuser\Desktop\2023-05-04\QC1466_BioA.xad

Created: 5/4/2023 4:06:15 PM
 Modified: 5/4/2023 5:11:33 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : S3

Number of peaks found: 19 Corr. Area 1: 6,407.8
 Noise: 0.5

Peak table for sample 6 : S3

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	42	25.76	920.3	
3	266	5.06	28.8	
4	283	15.04	80.4	
5	554	2,468.35	6,750.5	
6	567	279.03	745.3	
7	588	921.63	2,376.6	
8	671	1,687.65	3,810.0	
9	1,473	51.17	52.6	
10	1,621	49.69	46.4	
11	1,769	207.36	177.6	
12	3,679	13.71	5.6	
13	5,006	8.04	2.4	
14	5,780	4.70	1.2	
15	6,480	4.81	1.1	
16	7,092	4.04	0.9	
17	8,010	3.37	0.6	
18	10,380	75.00	10.9	Upper Marker
19	14,636	0.00	0.0	
20	16,667	0.00	0.0	
21	17,344	0.00	0.0	

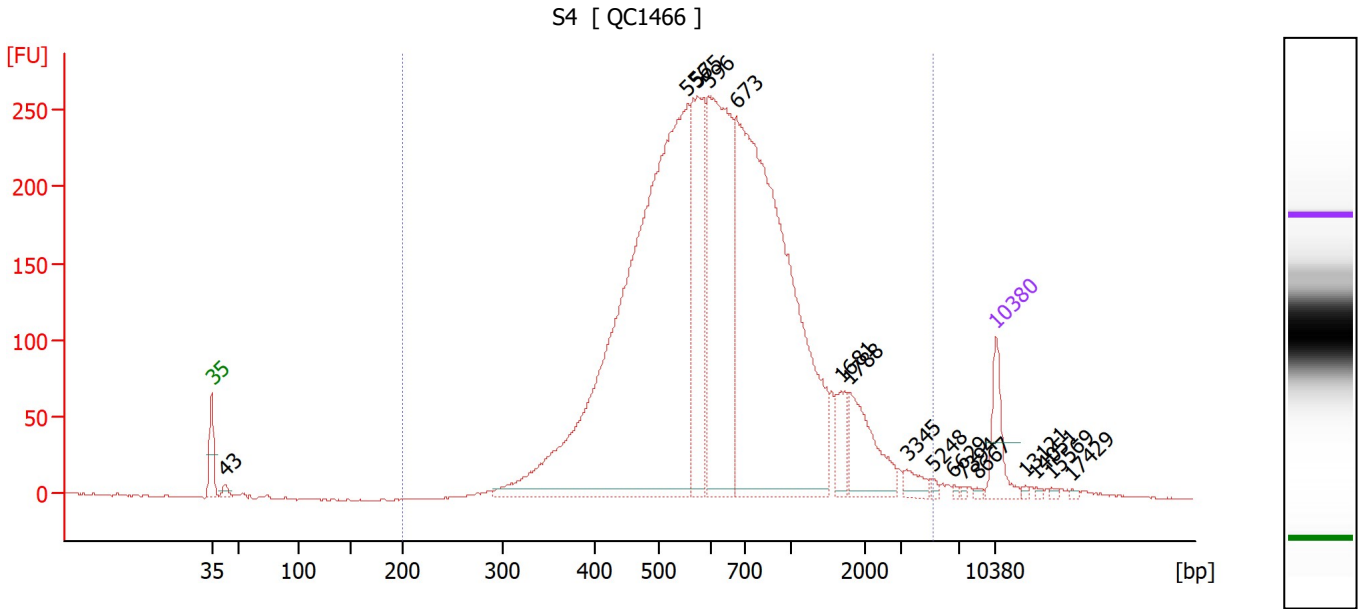
Region table for sample 6 : S3

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	7,440	6,407.8	99	787	79.0	5,990.55	15,410.3	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\Users\sbsuser\Desktop\2023-05-04\QC1466_BioA.xad

Created: 5/4/2023 4:06:15 PM
 Modified: 5/4/2023 5:11:33 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : S4

Number of peaks found: 16 Corr. Area 1: 5,093.4
 Noise: 0.5

Peak table for sample 7 : S4

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	43	21.56	768.7	
3	556	2,086.17	5,685.1	
4	575	421.39	1,111.3	
5	596	719.72	1,829.3	
6	673	1,604.56	3,614.0	
7	1,681	63.17	57.0	
8	1,788	153.62	130.2	
9	3,345	27.48	12.4	
10	5,248	6.80	2.0	
11	6,629	3.63	0.8	
12	7,394	3.37	0.7	
13	8,667	3.81	0.7	
14	10,380	75.00	10.9	Upper Marker
15	13,121	0.00	0.0	
16	14,051	0.00	0.0	
17	15,569	0.00	0.0	
18	17,429	0.00	0.0	

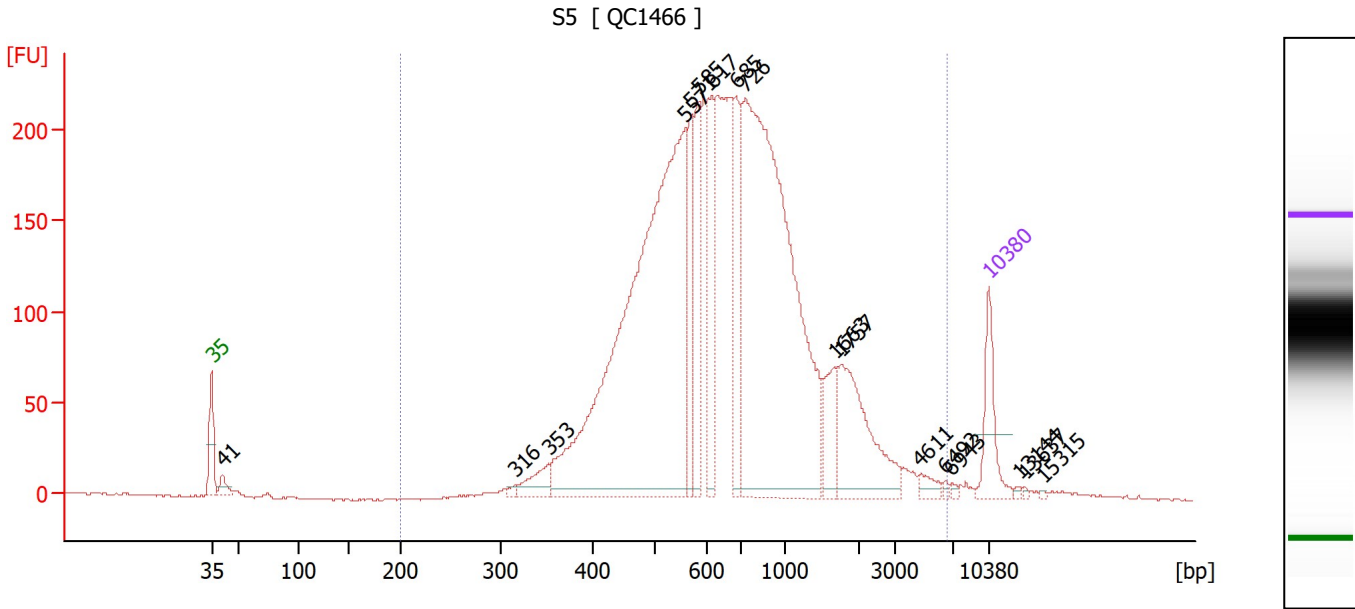
Region table for sample 7 : S4

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	5,212	5,093.4	98	775	67.1	5,212.57	13,221.5	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\Users\sbsuser\Desktop\2023-05-04\QC1466_BioA.xad

Created: 5/4/2023 4:06:15 PM
 Modified: 5/4/2023 5:11:33 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : S5

Number of peaks found: 17 Corr. Area 1: 4,286.8
 Noise: 0.4

Peak table for sample 8 : S5

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	41	29.09	1,065.9	
3	316	7.64	36.7	
4	353	50.04	214.7	
5	557	1,350.07	3,670.3	
6	571	142.52	378.3	
7	585	177.72	460.0	
8	617	167.61	411.9	
9	685	157.14	347.6	
10	726	1,181.00	2,465.2	
11	1,663	73.59	67.0	
12	1,757	194.20	167.5	
13	4,611	17.11	5.6	
14	6,492	4.63	1.1	
15	6,943	3.89	0.8	
16	10,380	75.00	10.9	Upper Marker
17	13,144	0.00	0.0	
18	13,637	0.00	0.0	
19	15,315	0.00	0.0	

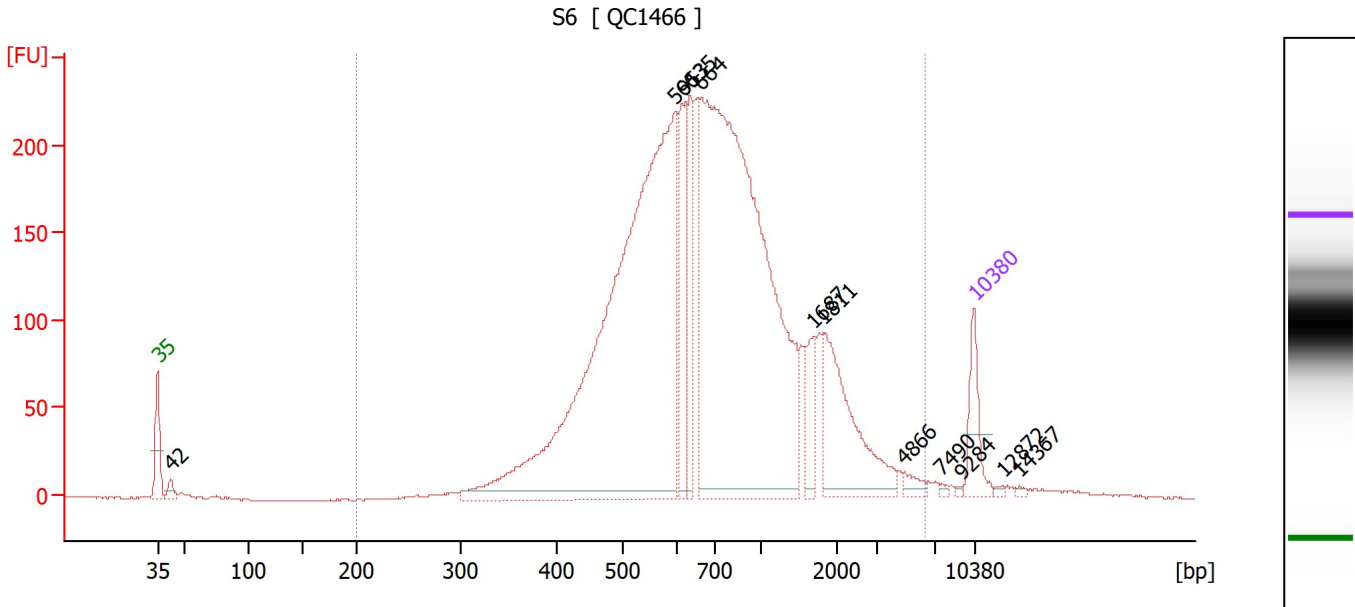
Region table for sample 8 : S5

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	6,637	4,286.8	98	850	77.1	4,067.79	9,789.4	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\Users\sbsuser\Desktop\2023-05-04\QC1466_BioA.xad

Created: 5/4/2023 4:06:15 PM
 Modified: 5/4/2023 5:11:33 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : S6

Number of peaks found: 12 Corr. Area 1: 4,213.1
 Noise: 0.4

Peak table for sample 9 : S6

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	42	27.90	1,005.6	
3	595	1,822.75	4,645.3	
4	613	186.47	460.6	
5	635	175.98	419.9	
6	664	1,796.23	4,098.1	
7	1,687	71.83	64.5	
8	1,811	256.41	214.6	
9	4,866	18.59	5.8	
10	7,490	4.48	0.9	
11	9,284	3.04	0.5	
12	10,380	75.00	10.9	Upper Marker
13	12,872	0.00	0.0	
14	14,367	0.00	0.0	

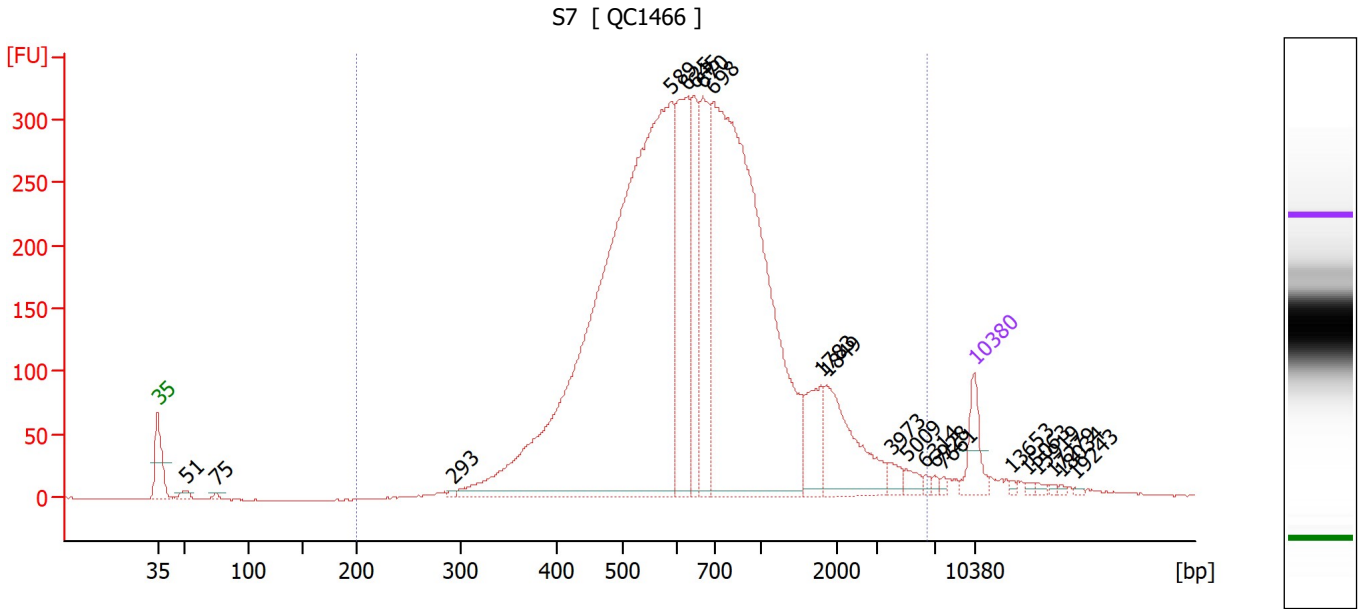
Region table for sample 9 : S6

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	6,286	4,213.1	98	904	74.3	4,597.08	10,604.4	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\Users\sbsuser\Desktop\2023-05-04\QC1466_BioA.xad

Created: 5/4/2023 4:06:15 PM
 Modified: 5/4/2023 5:11:33 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : S7

Number of peaks found: 21 Corr. Area 1: 6,041.1
 Noise: 0.5

Peak table for sample 10 : S7

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	51	24.31	727.3	
3	75	9.88	200.6	
4	293	7.92	40.9	
5	589	2,736.42	7,042.9	
6	625	503.65	1,220.4	
7	645	270.95	636.0	
8	670	360.26	814.3	
9	698	1,951.67	4,235.2	
10	1,783	126.23	107.3	
11	1,849	233.58	191.4	
12	3,973	26.18	10.0	
13	5,009	23.62	7.1	
14	6,314	8.32	2.0	
15	6,928	7.93	1.7	
16	7,661	6.81	1.3	
17	10,380	75.00	10.9	Upper Marker
18	13,653	0.00	0.0	
19	15,063	0.00	0.0	
20	15,919	0.00	0.0	
21	17,279	0.00	0.0	
22	18,034	0.00	0.0	
23	19,243	0.00	0.0	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\Users\sbsuser\Desktop\2023-05-04\QC1466_BioA.xad

Created: 5/4/2023 4:06:15 PM
Modified: 5/4/2023 5:11:33 PM

Electropherogram Summary Continued ...

... Region table for sample 10 :

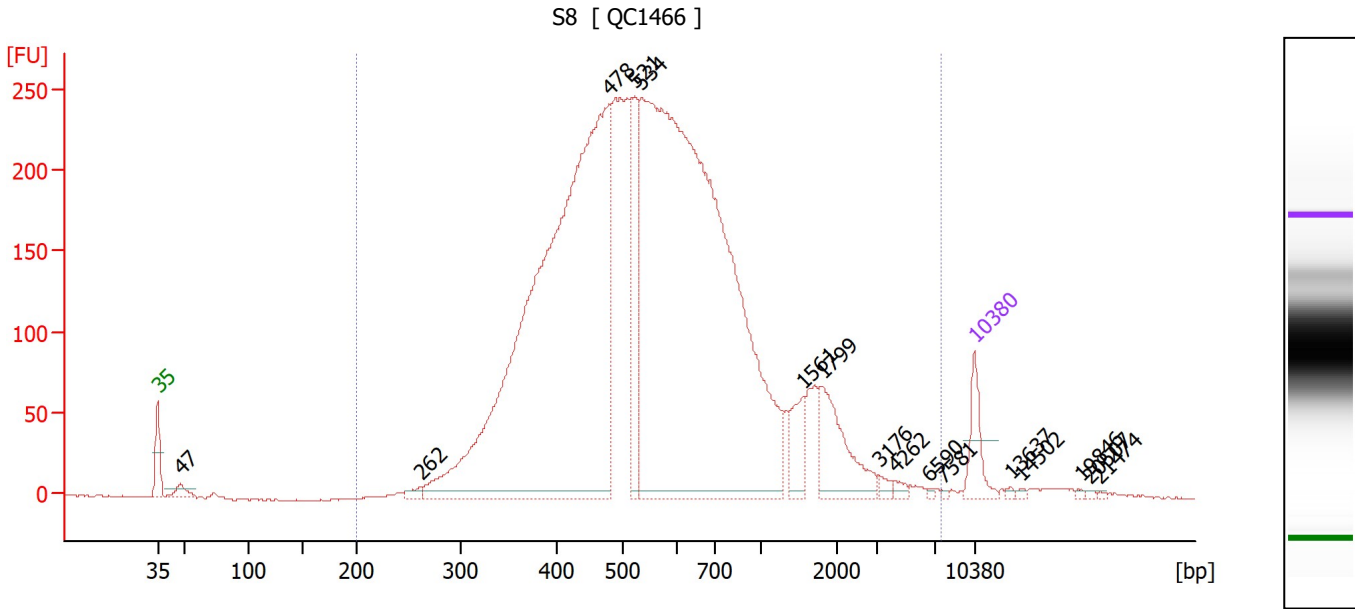
S7

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	6,455	6,041.1	98	843	79.6	6,372.35	15,532.2	■

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\Users\sbsuser\Desktop\2023-05-04\QC1466_BioA.xad

Created: 5/4/2023 4:06:15 PM
 Modified: 5/4/2023 5:11:33 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : S8

Number of peaks found: 16 Corr. Area 1: 5,550.4
 Noise: 0.5

Peak table for sample 11 : S8

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	47	37.32	1,191.0	
3	262	20.13	116.5	
4	478	2,768.98	8,784.1	
5	521	257.96	750.6	
6	534	3,105.84	8,819.8	
7	1,561	77.91	75.6	
8	1,799	184.86	155.7	
9	3,176	14.36	6.9	
10	4,262	12.58	4.5	
11	6,590	3.94	0.9	
12	7,581	3.25	0.7	
13	10,380	75.00	10.9	Upper Marker
14	13,637	0.00	0.0	
15	14,502	0.00	0.0	
16	19,846	0.00	0.0	
17	20,507	0.00	0.0	
18	21,474	0.00	0.0	

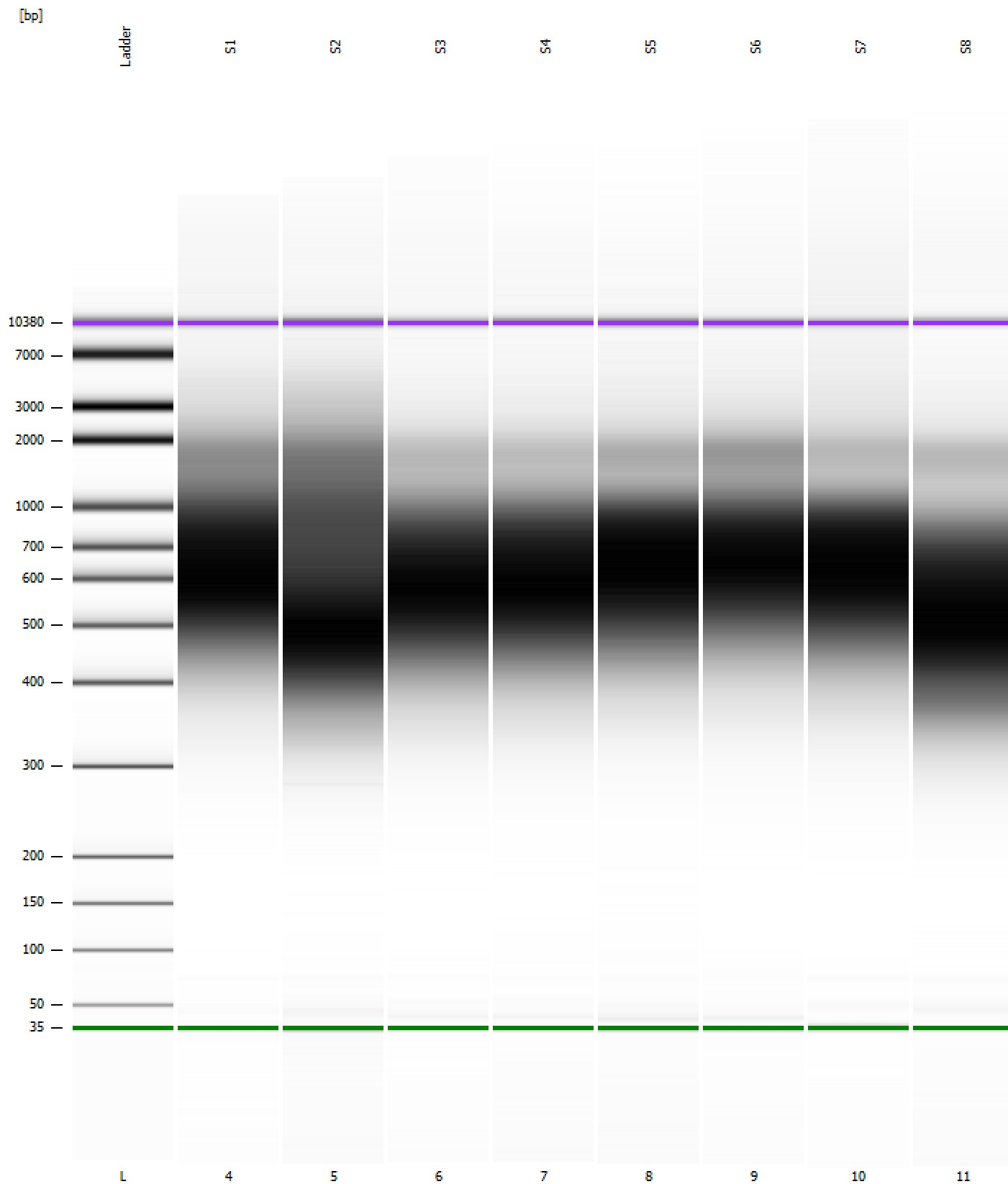
Region table for sample 11 : S8

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	7,499	5,550.4	99	691	82.6	7,046.43	20,645.0	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\Users\sbsuser\Desktop\2023-05-04\QC1466_BioA.xad

Created: 5/4/2023 4:06:15 PM
Modified: 5/4/2023 5:11:33 PM

Gel Image



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\Users\sbsuser\Desktop\2023-05-04\QC1466_BioA.xad

Created: 5/4/2023 4:06:15 PM
 Modified: 5/4/2023 5:11:33 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 4:46:42 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_004.xad)		Instrument	Run		5/4/2023 4:06:20 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		5/4/2023 4:06:20 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		5/4/2023 4:06:20 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		5/4/2023 4:06:20 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		5/4/2023 4:06:20 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		5/4/2023 4:06:20 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		5/4/2023 4:06:20 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB