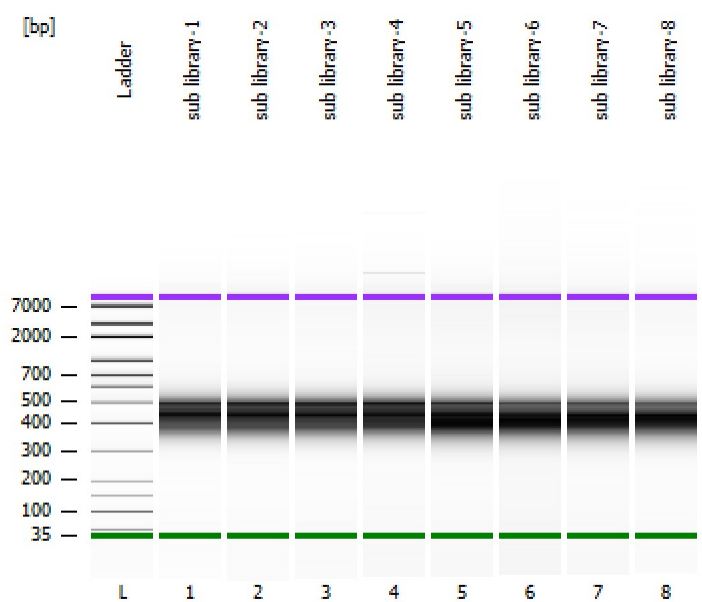


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...alyzer\2100 expert\data\2024-10-29\CUSTOM0092 Libraries.xad

Created: 10/29/2024 9:09:09 AM  
Modified: 10/29/2024 9:51:25 AM

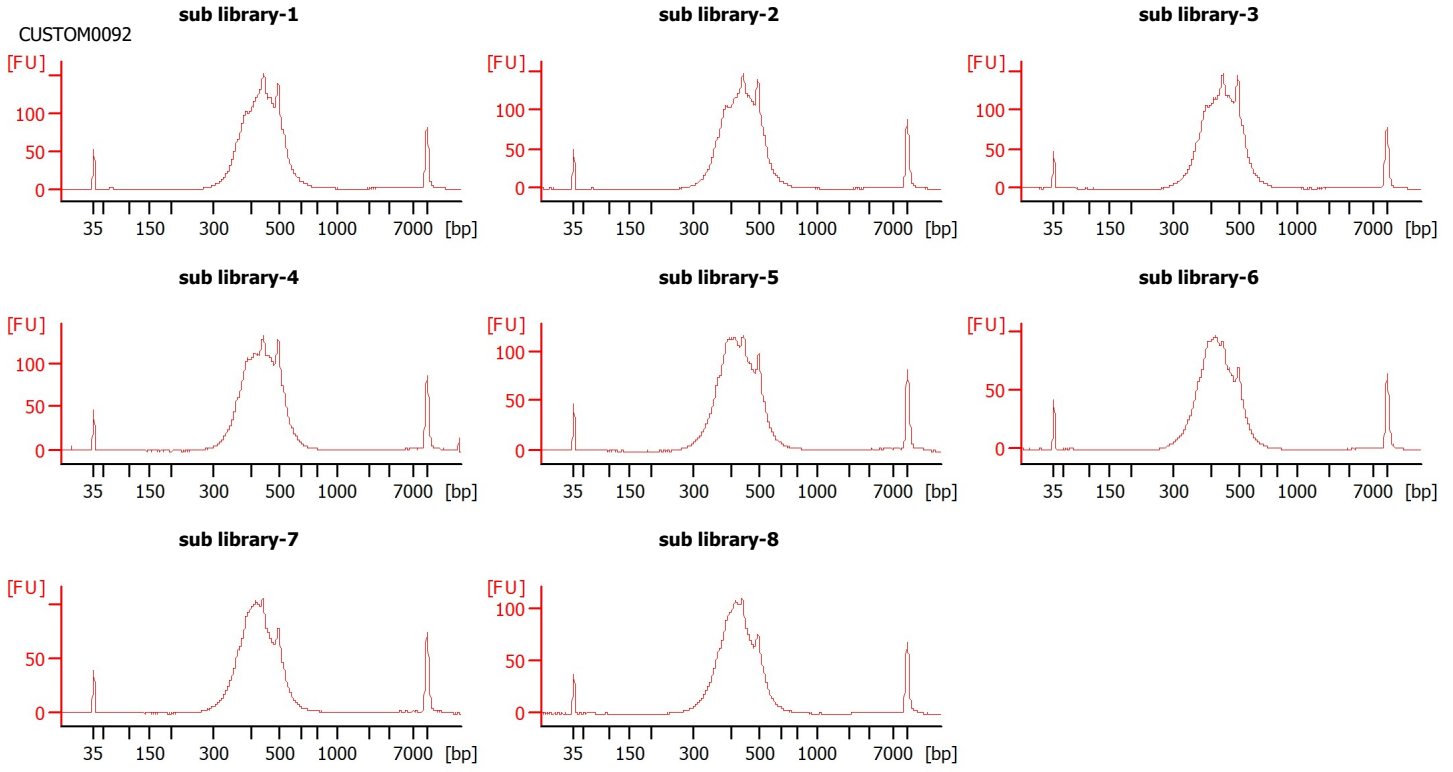
Electrophoresis File Run Summary



**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:



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...alyzer\2100 expert\data\2024-10-29\CUSTOM0092 Libraries.xad

Created: 10/29/2024 9:09:09 AM  
 Modified: 10/29/2024 9:51:25 AM

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

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
sub library-1	CUSTOM0092	<input type="checkbox"/>	✓			
sub library-2		<input type="checkbox"/>	✓			
sub library-3		<input type="checkbox"/>	✓			
sub library-4		<input type="checkbox"/>	✓			
sub library-5		<input type="checkbox"/>	✓			
sub library-6		<input type="checkbox"/>	✓			
sub library-7		<input type="checkbox"/>	✓			
sub library-8		<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

**Chip Lot #**

**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...alyzer\2100 expert\data\2024-10-29\CUSTOM0092 Libraries.xad

Created: 10/29/2024 9:09:09 AM  
 Modified: 10/29/2024 9:51:25 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

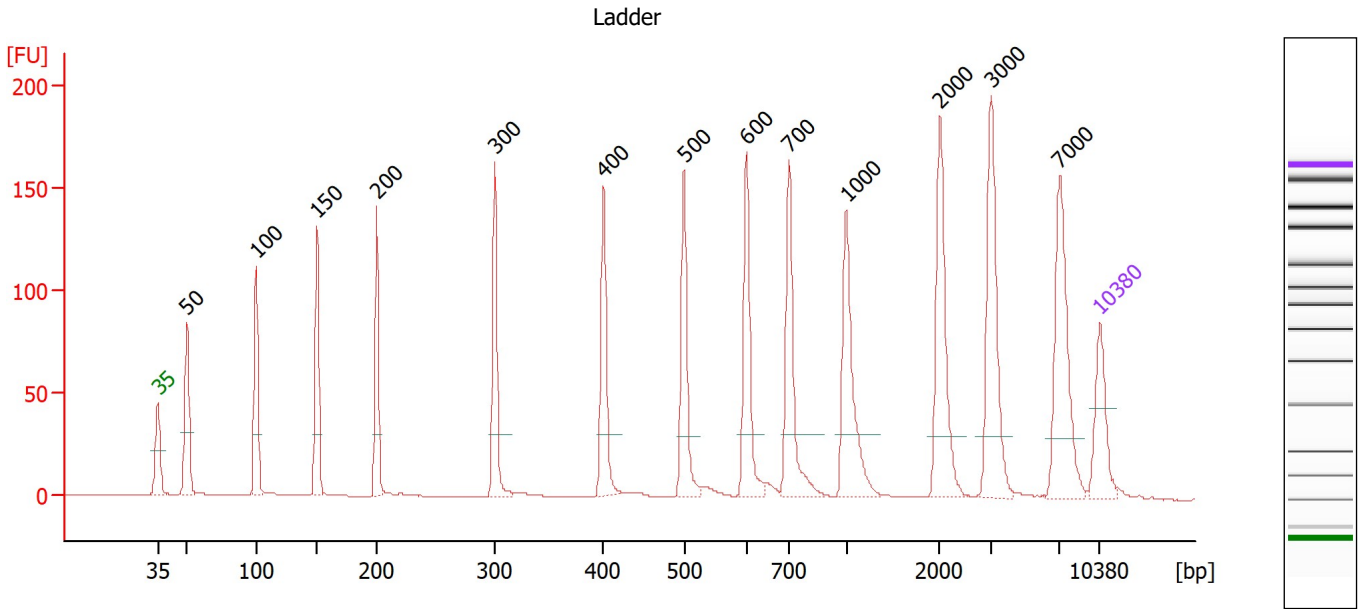
**Ladder**

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:\...alyzer\2100 expert\data\2024-10-29\CUSTOM0092 Libraries.xad

Created: 10/29/2024 9:09:09 AM  
 Modified: 10/29/2024 9:51:25 AM

**Electropherogram Summary**



**Overall Results for Ladder**

Noise: 0.1

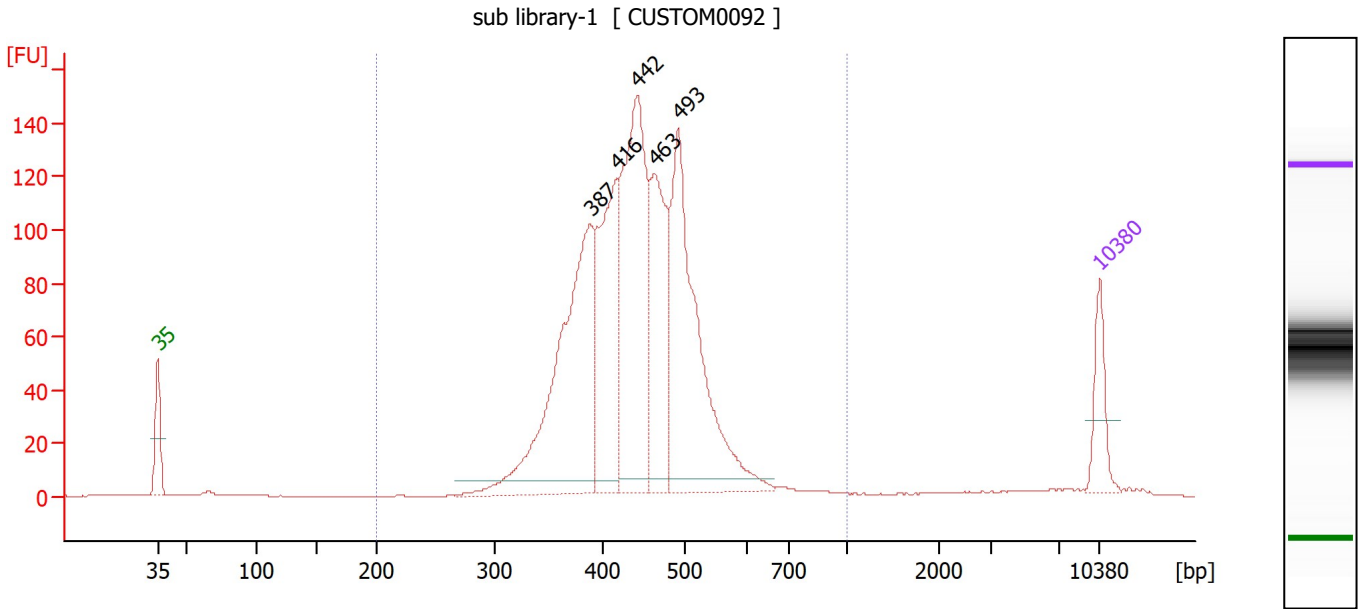
**Peak table for Ladder**

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:\...alyzer\2100 expert\data\2024-10-29\CUSTOM0092 Libraries.xad

Created: 10/29/2024 9:09:09 AM  
 Modified: 10/29/2024 9:51:25 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : sub library-1**

Number of peaks found: 5                      Corr. Area 1: 1,712.2  
 Noise: 0.1

**Peak table for sample 1 : sub library-1**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	387	707.39	2,766.3	
3	416	389.21	1,417.4	
4	442	643.54	2,203.9	
5	463	339.03	1,109.4	
6	493	638.65	1,963.9	
7	10,380	75.00	10.9	Upper Marker

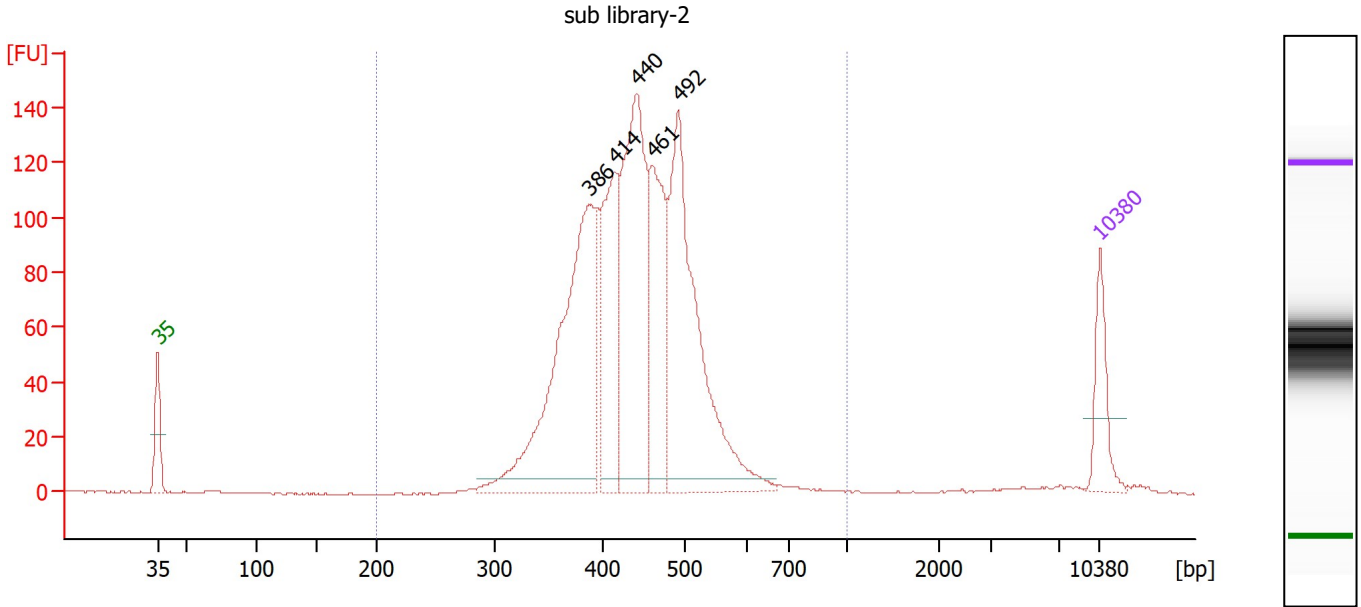
**Region table for sample 1 : sub library-1**

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	1,712.2	95	444	16.7	2,897.68	10,215.5	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...alyzer\2100 expert\data\2024-10-29\CUSTOM0092 Libraries.xad

Created: 10/29/2024 9:09:09 AM  
 Modified: 10/29/2024 9:51:25 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : sub library-2**

Number of peaks found: 5                      Corr. Area 1: 1,682.2  
 Noise: 0.3

**Peak table for sample 2 : sub library-2**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	386	665.64	2,611.4	
3	414	285.88	1,046.0	
4	440	500.99	1,724.8	
5	461	272.03	893.9	
6	492	579.11	1,783.0	
7	10,380	75.00	10.9	Upper Marker

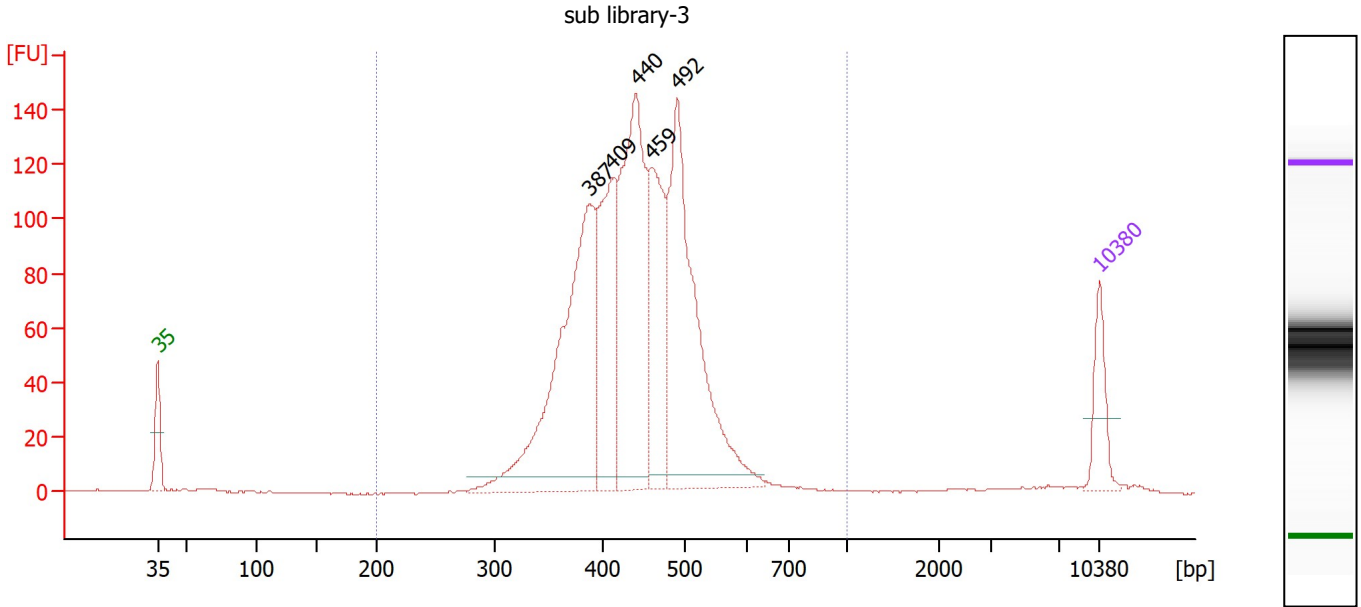
**Region table for sample 2 : sub library-2**

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	1,682.2	97	442	15.9	2,431.01	8,576.0	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...alyzer\2100 expert\data\2024-10-29\CUSTOM0092 Libraries.xad

Created: 10/29/2024 9:09:09 AM  
 Modified: 10/29/2024 9:51:25 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : sub library-3**

Number of peaks found: 5                      Corr. Area 1: 1,667.9  
 Noise: 0.2

**Peak table for sample 3 : sub library-3**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	387	711.98	2,785.7	
3	409	348.76	1,290.7	
4	440	580.05	1,996.0	
5	459	279.11	920.9	
6	492	670.11	2,064.4	
7	10,380	75.00	10.9	Upper Marker

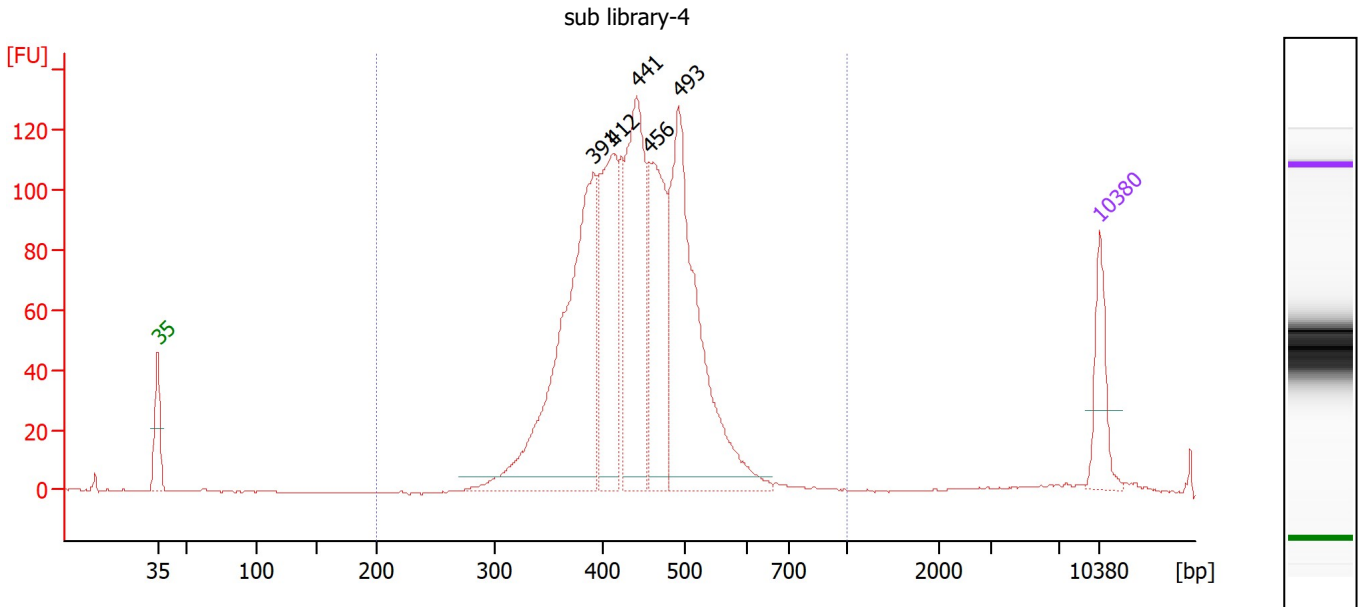
**Region table for sample 3 : sub library-3**

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	1,667.9	97	442	15.7	2,712.29	9,548.5	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...alyzer\2100 expert\data\2024-10-29\CUSTOM0092 Libraries.xad

Created: 10/29/2024 9:09:09 AM  
 Modified: 10/29/2024 9:51:25 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : sub library-4**

Number of peaks found: 5                      Corr. Area 1: 1,575.1  
 Noise: 0.3

**Peak table for sample 4 : sub library-4**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	391	638.16	2,473.9	
3	412	328.38	1,206.6	
4	441	396.48	1,360.8	
5	456	286.82	952.1	
6	493	560.24	1,723.2	
7	10,380	75.00	10.9	Upper Marker

**Region table for sample 4 : sub library-4**

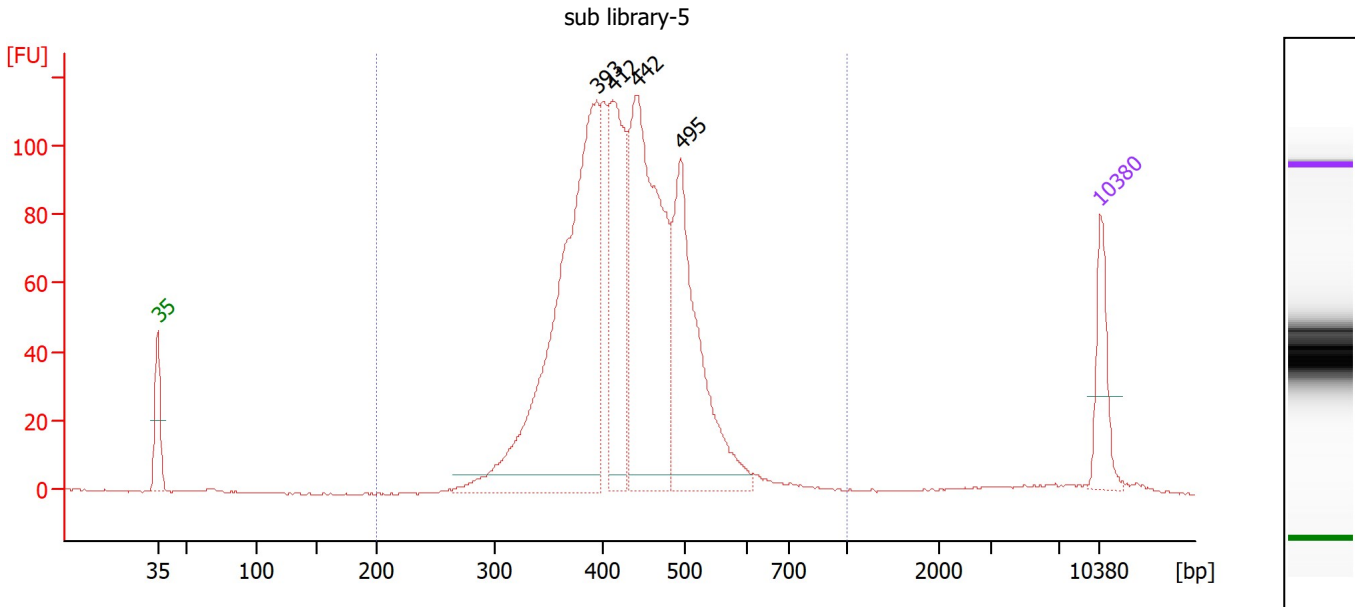
From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	1,575.1	96	443	16.5	2,379.77	8,393.5	Blue



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...alyzer\2100 expert\data\2024-10-29\CUSTOM0092 Libraries.xad

Created: 10/29/2024 9:09:09 AM  
 Modified: 10/29/2024 9:51:25 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : sub library-5**

Number of peaks found: 4                      Corr. Area 1: 1,479.3  
 Noise: 0.2

**Peak table for sample 5 : sub library-5**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	393	878.04	3,383.3	
3	412	322.64	1,187.2	
4	442	607.13	2,082.4	
5	495	427.32	1,306.9	
6	10,380	75.00	10.9	Upper Marker

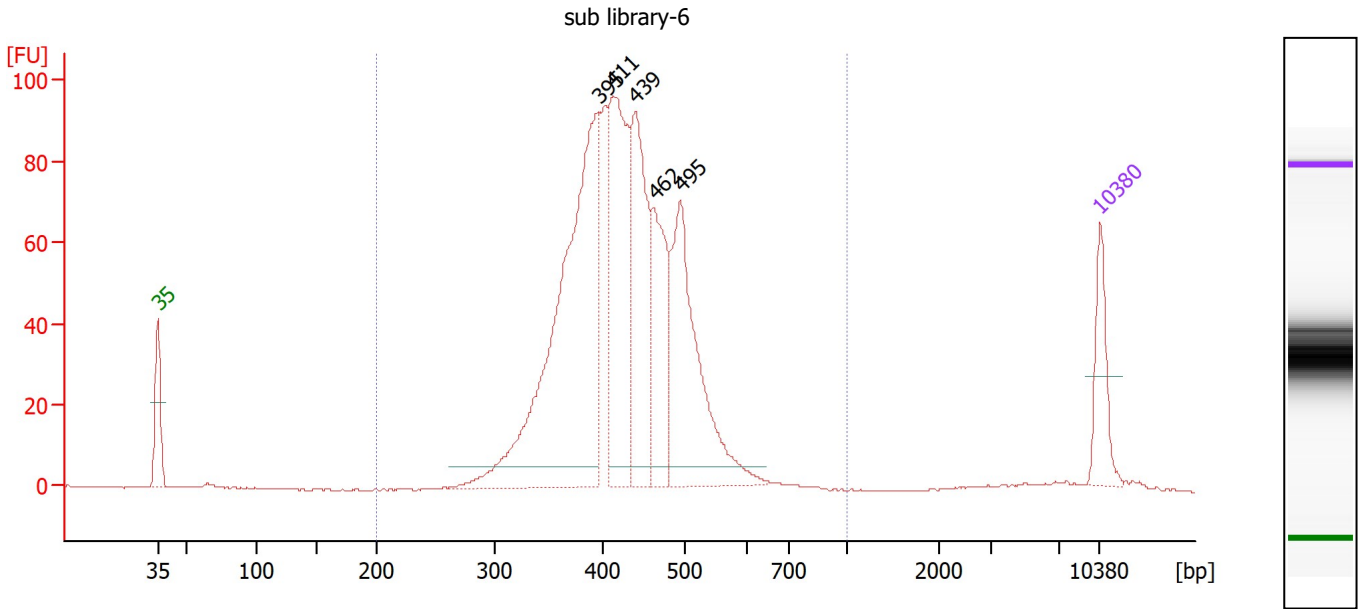
**Region table for sample 5 : sub library-5**

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	1,479.3	97	432	16.8	2,475.04	8,946.3	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...alyzer\2100 expert\data\2024-10-29\CUSTOM0092 Libraries.xad

Created: 10/29/2024 9:09:09 AM  
 Modified: 10/29/2024 9:51:25 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : sub library-6**

Number of peaks found: 5                      Corr. Area 1: 1,165.5  
 Noise: 0.2

**Peak table for sample 6 : sub library-6**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	395	808.40	3,098.9	
3	411	377.70	1,391.4	
4	439	302.85	1,044.7	
5	462	205.95	674.7	
6	495	384.36	1,176.3	
7	10,380	75.00	10.9	Upper Marker

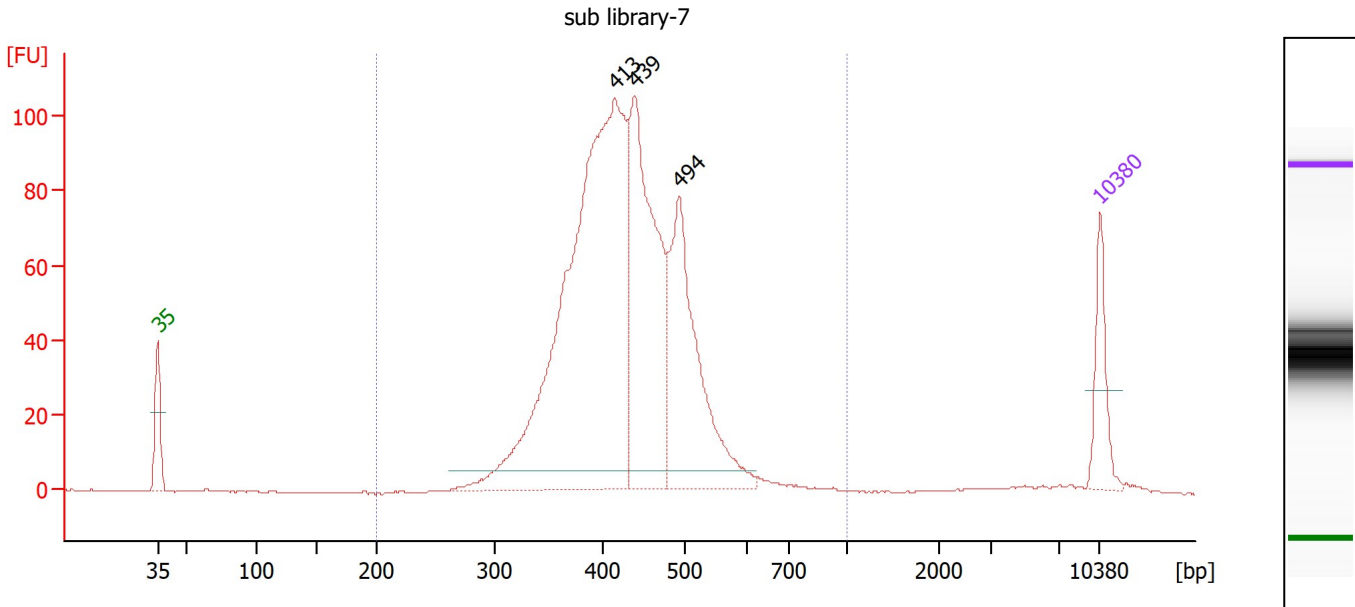
**Region table for sample 6 : sub library-6**

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	1,165.5	96	429	16.1	2,379.07	8,639.4	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...alyzer\2100 expert\data\2024-10-29\CUSTOM0092 Libraries.xad

Created: 10/29/2024 9:09:09 AM  
 Modified: 10/29/2024 9:51:25 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : sub library-7**

Number of peaks found: 3                      Corr. Area 1: 1,233.2  
 Noise: 0.2

**Peak table for sample 7 : sub library-7**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	413	1,232.70	4,519.0	
3	439	536.99	1,853.9	
4	494	424.05	1,301.1	
5	10,380	75.00	10.9	Upper Marker

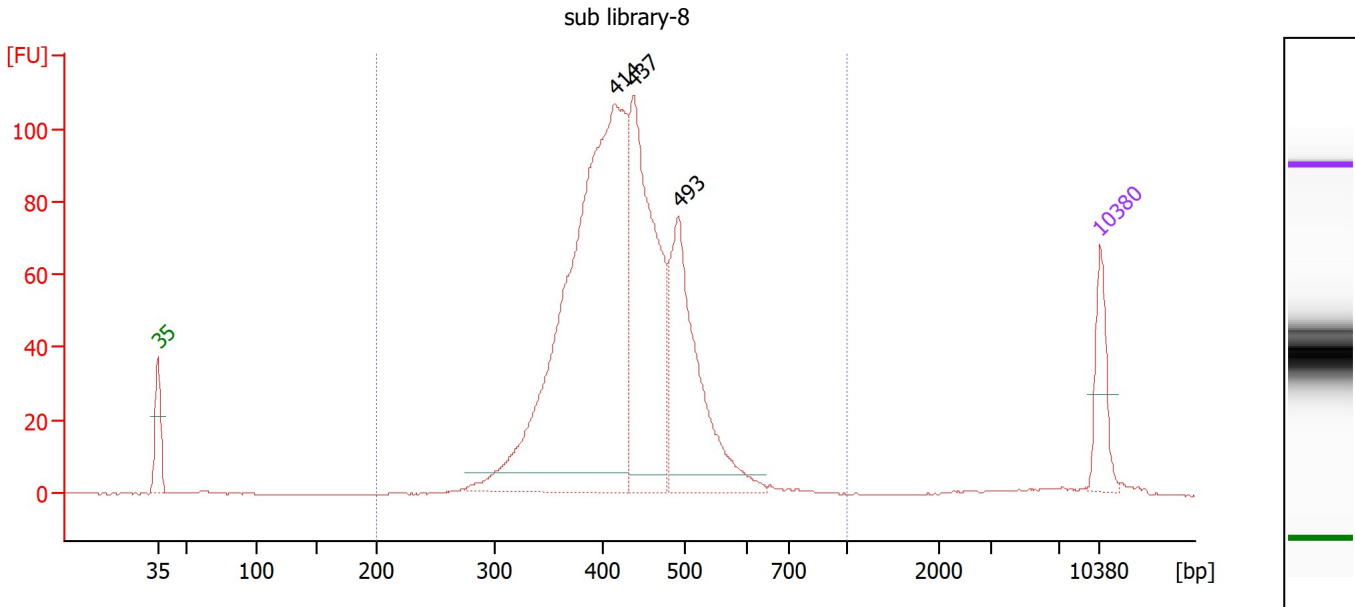
**Region table for sample 7 : sub library-7**

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	1,233.2	97	432	16.7	2,323.61	8,393.6	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...alyzer\2100 expert\data\2024-10-29\CUSTOM0092 Libraries.xad

Created: 10/29/2024 9:09:09 AM  
 Modified: 10/29/2024 9:51:25 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : sub library-8**

Number of peaks found: 3                      Corr. Area 1: 1,240.2  
 Noise: 0.2

**Peak table for sample 8 : sub library-8**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	414	1,300.43	4,764.0	
3	437	564.33	1,958.6	
4	493	426.31	1,310.1	
5	10,380	75.00	10.9	Upper Marker

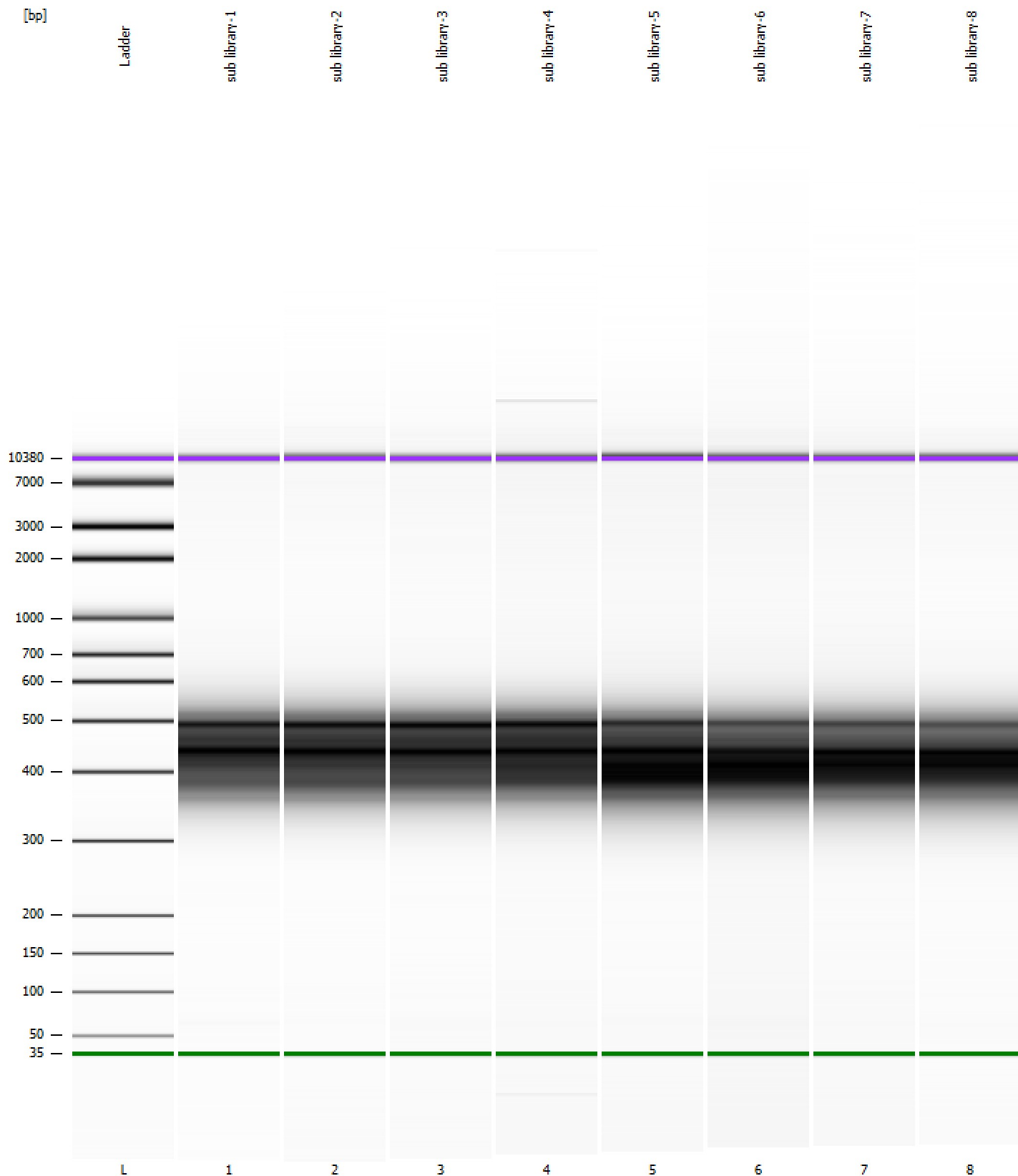
**Region table for sample 8 : sub library-8**

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	1,240.2	97	430	16.1	2,443.92	8,875.6	Blue

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...alyzer\2100 expert\data\2024-10-29\CUSTOM0092 Libraries.xad

Created: 10/29/2024 9:09:09 AM  
Modified: 10/29/2024 9:51:25 AM

Gel Image



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...alyzer\2100 expert\data\2024-10-29\CUSTOM0092 Libraries.xad

Created: 10/29/2024 9:09:09 AM  
 Modified: 10/29/2024 9:51:25 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		10/29/2024 9:50:27 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\2024-10-29\Bioanalyzer1_High Sensitivity DNA Assay_DE34903152_2024-10-29_001.xad)		Instrument	Run		10/29/2024 9:09:15 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		10/29/2024 9:09:15 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		10/29/2024 9:09:15 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		10/29/2024 9:09:15 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		10/29/2024 9:09:15 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		10/29/2024 9:09:15 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		10/29/2024 9:09:15 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB