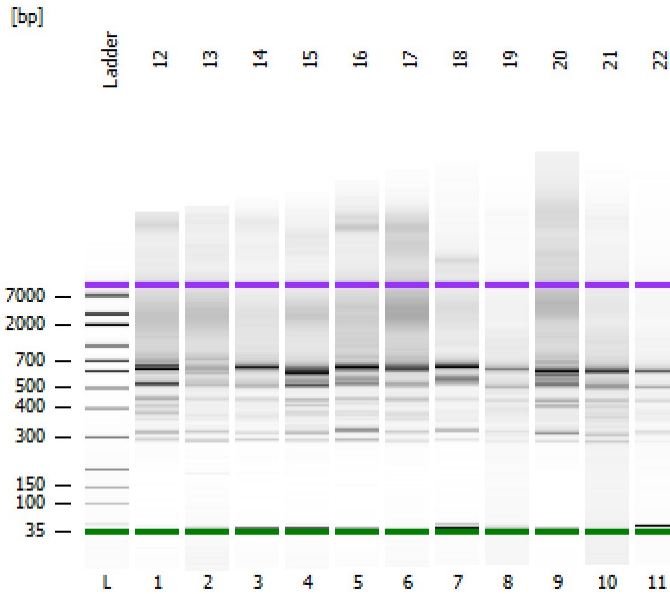


Assay Class: High Sensitivity DNA Assay  
Data Path: Z:\...\Bioanalyzer1\_High Sensitivity DNA Assay\_2020-08-14\_008.xad

Created: 8/14/2020 2:43:45 PM  
Modified: 8/14/2020 3:24:33 PM

Electrophoresis File Run Summary



Instrument Information:

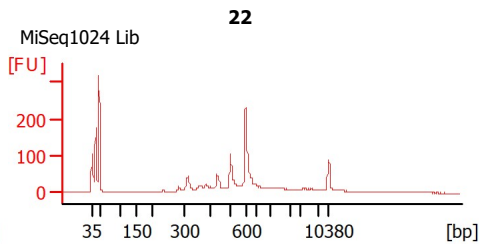
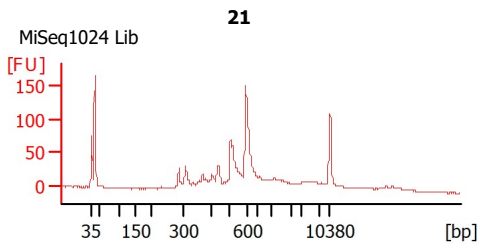
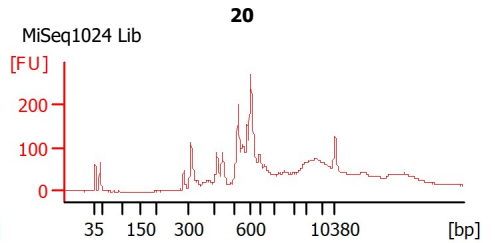
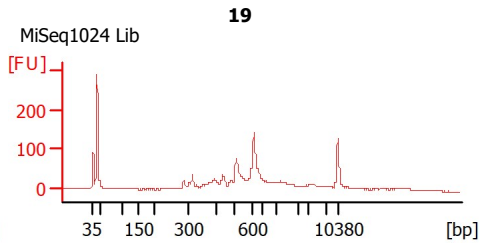
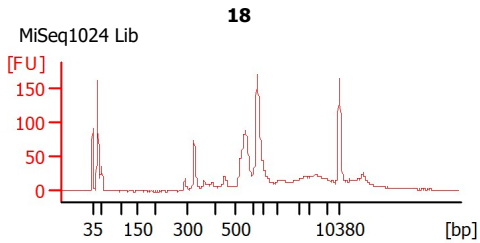
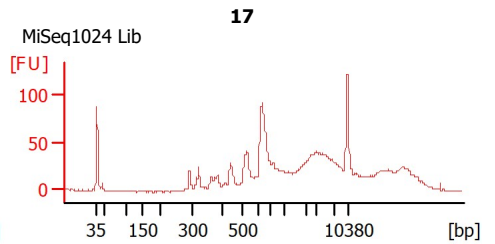
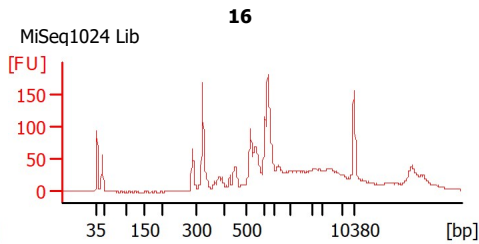
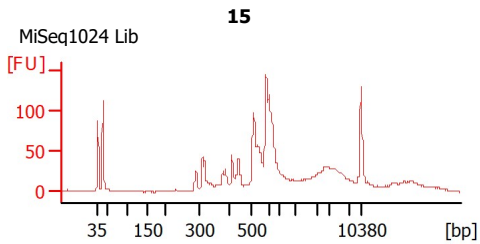
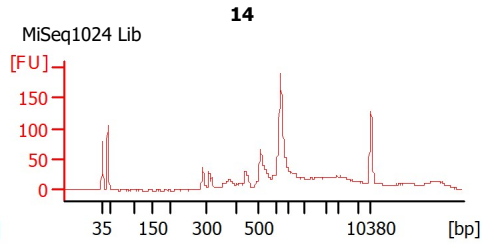
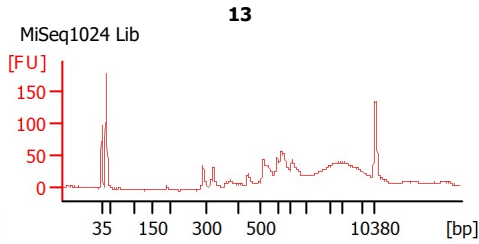
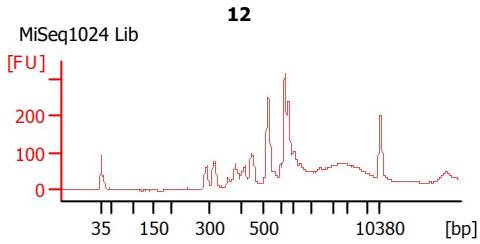
Instrument Name: DE34903152      Firmware: C.01.069  
Serial#: DE34903152      Type: G2938C

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: Z:\...\Bioanalyzer1\_High Sensitivity DNA Assay\_2020-08-14\_008.xad

Created: 8/14/2020 2:43:45 PM  
 Modified: 8/14/2020 3:24:33 PM

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

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
12	MiSeq1024 Lib	<input type="checkbox"/>	✓			
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17	MiSeq1024 Lib	<input type="checkbox"/>	✓			
18	MiSeq1024 Lib	<input type="checkbox"/>	✓			
19	MiSeq1024 Lib	<input type="checkbox"/>	✓			
20	MiSeq1024 Lib	<input type="checkbox"/>	✓			
21	MiSeq1024 Lib	<input type="checkbox"/>	✓			
22	MiSeq1024 Lib	<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay  
 Data Path: Z:\...\Bioanalyzer1\_High Sensitivity DNA Assay\_2020-08-14\_008.xad

Created: 8/14/2020 2:43:45 PM  
 Modified: 8/14/2020 3:24:33 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/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

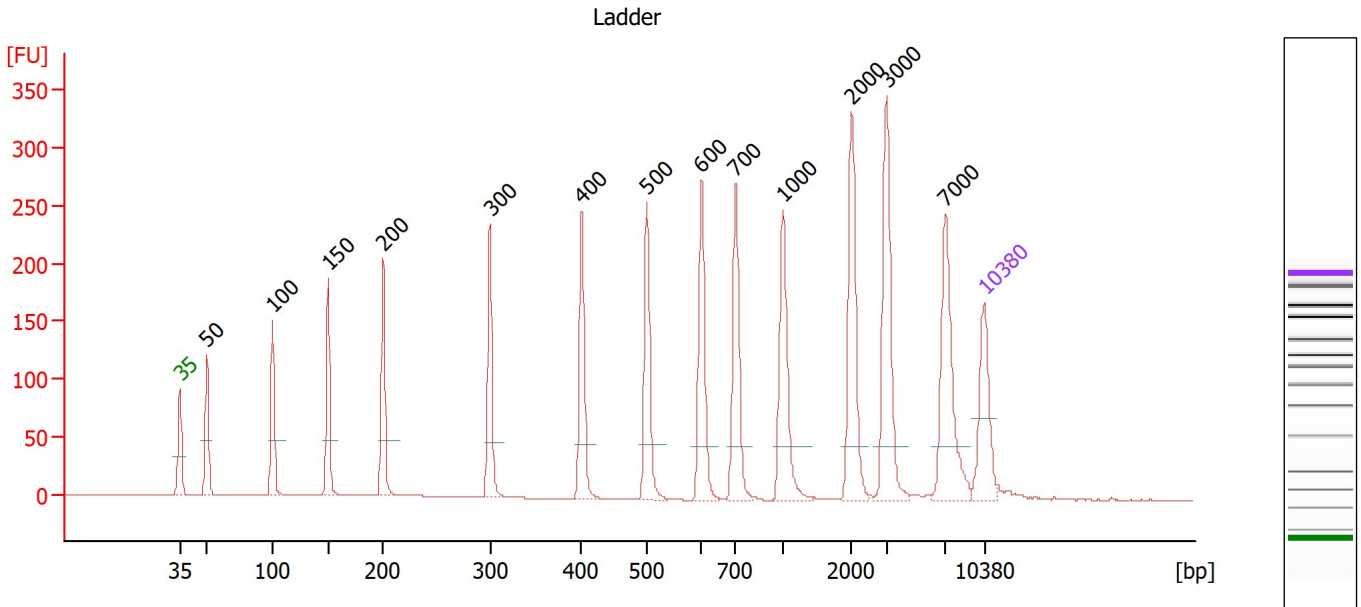
**Ladder**

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: Z:\...\Bioanalyzer1\_High Sensitivity DNA Assay\_2020-08-14\_008.xad

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**Electropherogram Summary**



**Overall Results for Ladder**

Noise: 0.4

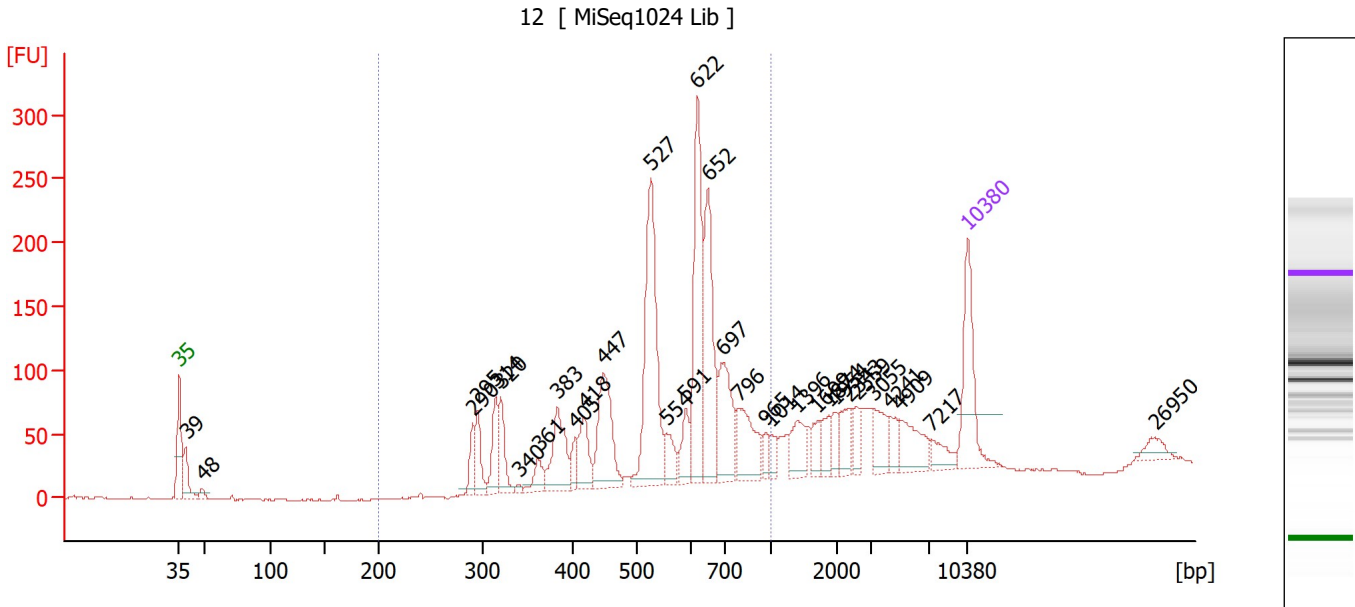
**Peak table for Ladder**

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: Z:\...\Bioanalyzer1\_High Sensitivity DNA Assay\_2020-08-14\_008.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : 12**

Number of peaks found: 32                      Corr. Area 1: 1,688.1  
 Noise: 0.4

**Peak table for sample 1 : 12**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	39	47.09	1,844.9	
3	48	9.80	308.4	
4	290	29.63	154.6	
5	295	38.47	197.6	
6	314	45.79	220.7	
7	320	42.80	202.5	
8	340	3.20	14.3	
9	361	22.46	94.2	
10	383	73.37	290.2	
11	405	19.26	72.1	
12	418	45.91	166.4	
13	447	102.93	348.7	
14	527	210.45	605.6	
15	554	27.55	75.3	
16	591	29.65	76.0	
17	622	164.26	400.1	
18	652	136.36	316.7	
19	697	85.46	185.8	
20	796	66.72	126.9	
21	965	12.38	19.4	
22	1,014	12.55	18.7	
23	1,396	33.99	36.9	
24	1,699	18.52	16.5	
25	1,874	19.71	15.9	
26	1,954	14.15	11.0	

Assay Class: High Sensitivity DNA Assay  
 Data Path: Z:\...\Bioanalyzer1\_High Sensitivity DNA Assay\_2020-08-14\_008.xad

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 Modified: 8/14/2020 3:24:33 PM

**Electropherogram Summary Continued ...**

**... Peak table for sample 1 : 12**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	2,343	27.95	18.1	
28	2,559	19.44	11.5	
29	3,055	30.93	15.3	
30	4,241	17.44	6.2	
31	4,909	41.14	12.7	
32	7,217	18.32	3.8	
33	10,380	75.00	10.9	Upper Marker
34	26,950	0.00	0.0	

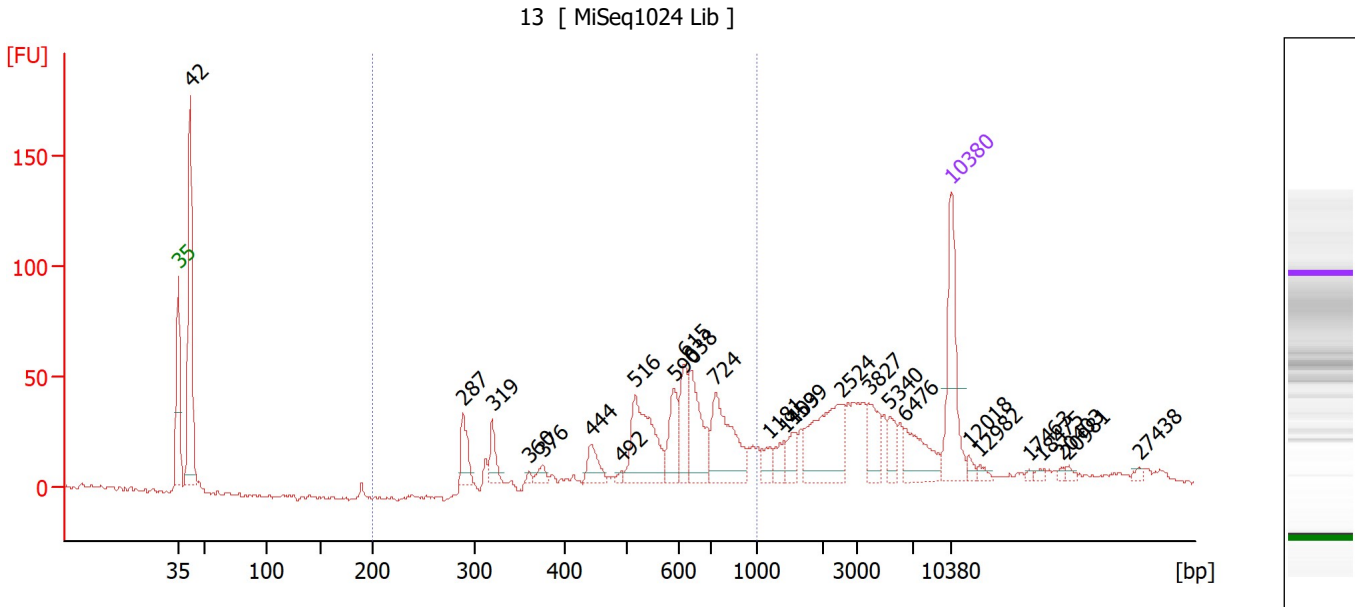
**Region table for sample 1 : 12**

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	1,688.1	72	572	26.1	1,016.61	3,017.0	

Assay Class: High Sensitivity DNA Assay  
 Data Path: Z:\...\Bioanalyzer1\_High Sensitivity DNA Assay\_2020-08-14\_008.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : 13**

Number of peaks found: 26                      Corr. Area 1: 527.8  
 Noise: 1.0

**Peak table for sample 2 : 13**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	42	273.09	9,809.6	
3	287	35.35	186.4	
4	319	25.98	123.5	
5	360	3.74	15.7	
6	376	10.40	41.9	
7	444	25.48	87.0	
8	492	3.19	9.8	
9	516	102.68	301.3	
10	590	42.38	108.8	
11	615	42.58	104.9	
12	638	68.18	162.0	
13	724	88.98	186.3	
14	1,181	14.25	18.3	
15	1,409	15.09	16.2	
16	1,539	16.72	16.5	
17	2,524	80.81	48.5	
18	3,827	30.02	11.9	
19	5,340	17.64	5.0	
20	6,476	41.71	9.8	
21	10,380	75.00	10.9	Upper Marker
22	12,018	0.00	0.0	
23	12,982	0.00	0.0	
24	17,463	0.00	0.0	
25	18,475	0.00	0.0	
26	20,403	0.00	0.0	

Assay Class: High Sensitivity DNA Assay  
 Data Path: Z:\...\Bioanalyzer1\_High Sensitivity DNA Assay\_2020-08-14\_008.xad

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 Modified: 8/14/2020 3:24:33 PM

**Electropherogram Summary Continued ...**

**... Peak table for sample 2 : 13**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	20,981	0.00	0.0	
28	27,438	0.00	0.0	

**Region table for sample 2 : 13**

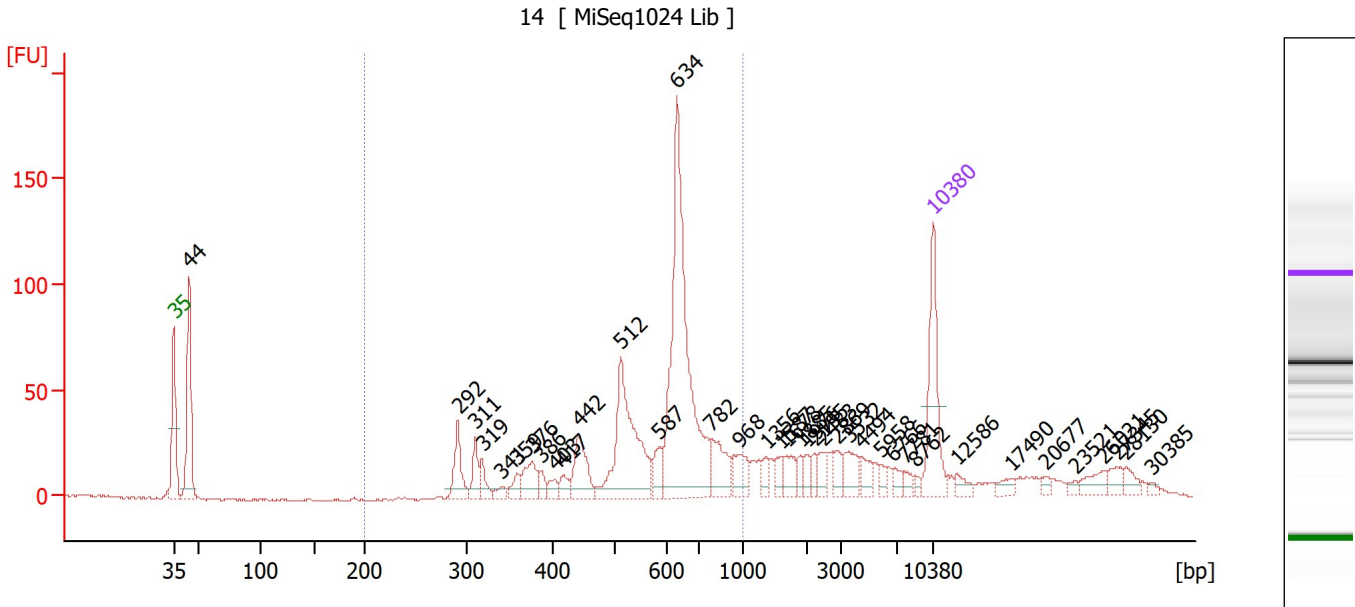
From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	527.8	44	598	27.4	489.25	1,419.6	<span style="background-color: blue; color: blue;">■</span>



Assay Class: High Sensitivity DNA Assay  
 Data Path: Z:\...\Bioanalyzer1\_High Sensitivity DNA Assay\_2020-08-14\_008.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : 14**

Number of peaks found: 38                      Corr. Area 1: 784.3  
 Noise: 0.5

**Peak table for sample 3 : 14**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	44	178.45	6,115.3	
3	292	48.20	250.3	
4	311	28.12	137.1	
5	319	19.87	94.5	
6	341	9.65	42.9	
7	359	14.32	60.4	
8	376	33.29	134.2	
9	386	10.78	42.3	
10	403	11.72	44.1	
11	417	13.63	49.5	
12	442	52.69	180.8	
13	512	166.57	492.9	
14	587	25.42	65.6	
15	634	329.09	786.6	
16	782	47.55	92.1	
17	968	29.33	45.9	
18	1,356	11.67	13.0	
19	1,587	13.65	13.0	
20	1,678	17.36	15.7	
21	1,885	9.51	7.6	
22	1,976	9.66	7.4	
23	2,195	9.73	6.7	
24	2,483	13.80	8.4	
25	2,869	12.44	6.6	
26	3,532	22.13	9.5	

Assay Class: High Sensitivity DNA Assay  
 Data Path: Z:\...\Bioanalyzer1\_High Sensitivity DNA Assay\_2020-08-14\_008.xad

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 Modified: 8/14/2020 3:24:33 PM

**Electropherogram Summary Continued ...**

**... Peak table for sample 3 : 14**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	4,494	13.89	4.7	
28	5,958	6.90	1.8	
29	6,766	9.50	2.1	
30	7,781	7.25	1.4	
31	8,762	4.14	0.7	
32	10,380	75.00	10.9	Upper Marker
33	12,586	0.00	0.0	
34	17,490	0.00	0.0	
35	20,677	0.00	0.0	
36	23,521	0.00	0.0	
37	26,021	0.00	0.0	
38	27,345	0.00	0.0	
39	28,130	0.00	0.0	
40	30,385	0.00	0.0	

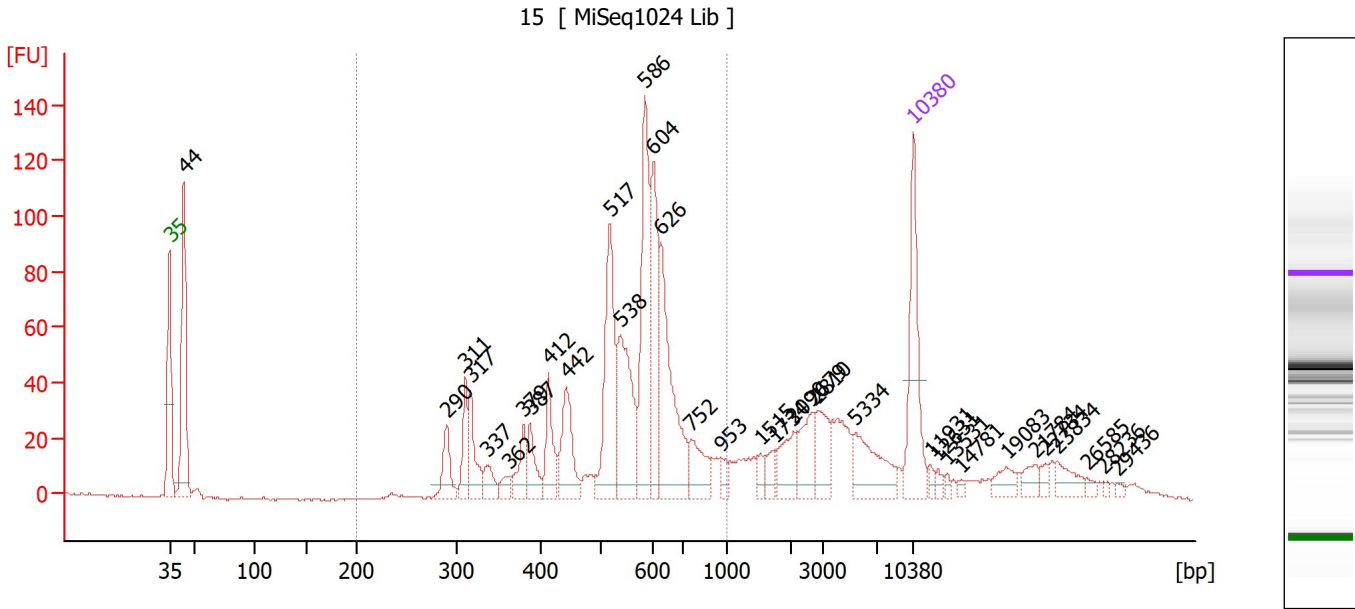
**Region table for sample 3 : 14**

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	784.3	60	586	26.0	780.18	2,271.4	<span style="color: blue;">■</span>

Assay Class: High Sensitivity DNA Assay  
 Data Path: Z:\...\Bioanalyzer1\_High Sensitivity DNA Assay\_2020-08-14\_008.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : 15**

Number of peaks found: 34                      Corr. Area 1: 968.1  
 Noise: 0.4

**Peak table for sample 4 : 15**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	44	187.96	6,509.4	
3	290	37.29	194.6	
4	311	37.78	184.2	
5	317	42.25	201.9	
6	337	19.71	88.7	
7	362	12.19	51.1	
8	379	31.06	124.1	
9	387	30.44	119.3	
10	412	42.65	156.7	
11	442	59.85	205.0	
12	517	121.01	354.8	
13	538	107.49	302.9	
14	586	130.79	338.2	
15	604	96.05	240.8	
16	626	126.97	307.1	
17	752	35.87	72.2	
18	953	9.48	15.1	
19	1,515	8.73	8.7	
20	1,734	13.28	11.6	
21	2,090	28.24	20.5	
22	2,679	32.41	18.3	
23	2,810	30.35	16.4	
24	5,334	48.34	13.7	
25	10,380	75.00	10.9	Upper Marker
26	11,931	0.00	0.0	

Assay Class: High Sensitivity DNA Assay  
 Data Path: Z:\...\Bioanalyzer1\_High Sensitivity DNA Assay\_2020-08-14\_008.xad

Created: 8/14/2020 2:43:45 PM  
 Modified: 8/14/2020 3:24:33 PM

**Electropherogram Summary Continued ...**

**... Peak table for sample 4 : 15**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	12,631	0.00	0.0	
28	13,531	0.00	0.0	
29	14,781	0.00	0.0	
30	19,083	0.00	0.0	
31	21,784	0.00	0.0	
32	22,734	0.00	0.0	
33	23,834	0.00	0.0	
34	26,585	0.00	0.0	
35	28,236	0.00	0.0	
36	29,436	0.00	0.0	

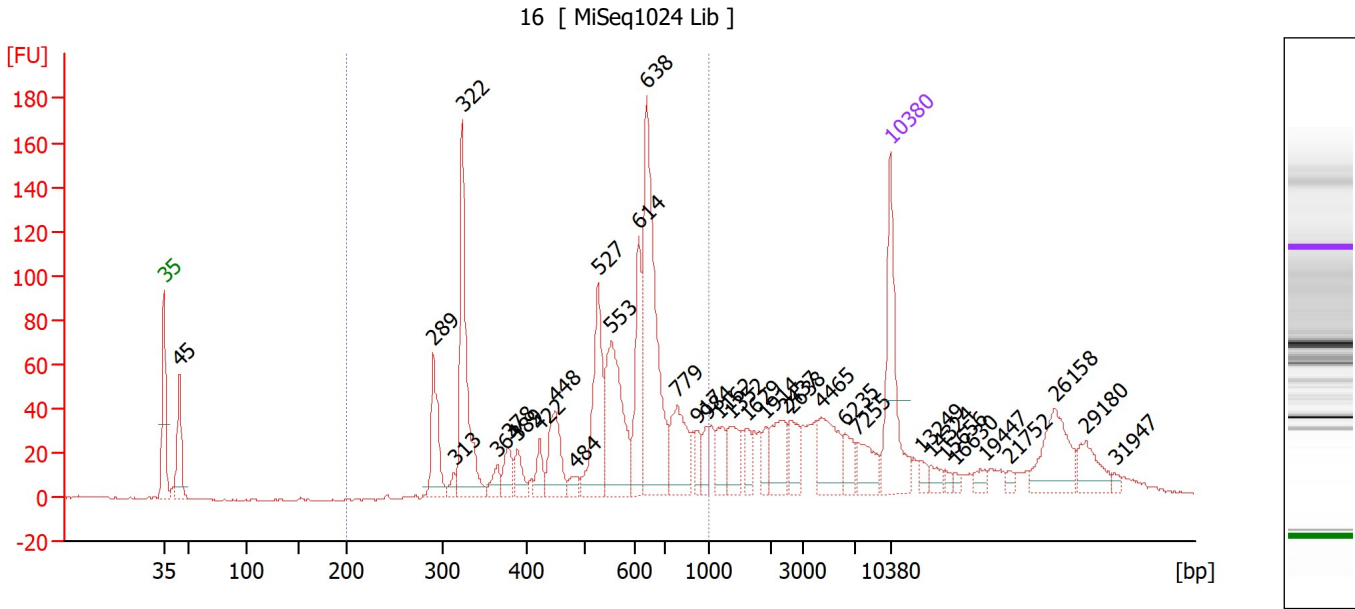
**Region table for sample 4 : 15**

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	968.1	63	549	24.7	932.42	2,847.2	

Assay Class: High Sensitivity DNA Assay  
 Data Path: Z:\...\Bioanalyzer1\_High Sensitivity DNA Assay\_2020-08-14\_008.xad

Created: 8/14/2020 2:43:45 PM  
 Modified: 8/14/2020 3:24:33 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : 16**

Number of peaks found: 35                      Corr. Area 1: 1,174.9  
 Noise: 0.4

**Peak table for sample 5 : 16**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	45	71.18	2,416.8	
3	289	62.73	328.4	
4	313	8.90	43.1	
5	322	143.25	673.1	
6	364	13.75	57.2	
7	378	21.55	86.3	
8	389	18.99	73.9	
9	422	17.25	61.9	
10	448	47.53	160.6	
11	484	9.08	28.4	
12	527	86.28	248.1	
13	553	111.21	304.8	
14	614	61.88	152.7	
15	638	189.91	450.9	
16	779	53.72	104.5	
17	917	13.19	21.8	
18	984	14.34	22.1	
19	1,162	20.93	27.3	
20	1,352	25.07	28.1	
21	1,629	11.59	10.8	
22	1,914	11.22	8.9	
23	2,437	30.97	19.3	
24	2,638	20.89	12.0	
25	4,465	39.93	13.6	
26	6,235	16.78	4.1	

Assay Class: High Sensitivity DNA Assay  
 Data Path: Z:\...\Bioanalyzer1\_High Sensitivity DNA Assay\_2020-08-14\_008.xad

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 Modified: 8/14/2020 3:24:33 PM

**Electropherogram Summary Continued ...**

**... Peak table for sample 5 : 16**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	7,255	24.67	5.2	
28	10,380	75.00	10.9	Upper Marker
29	13,249	0.00	0.0	
30	14,324	0.00	0.0	
31	15,656	0.00	0.0	
32	16,630	0.00	0.0	
33	19,447	0.00	0.0	
34	21,752	0.00	0.0	
35	26,158	0.00	0.0	
36	29,180	0.00	0.0	
37	31,947	0.00	0.0	

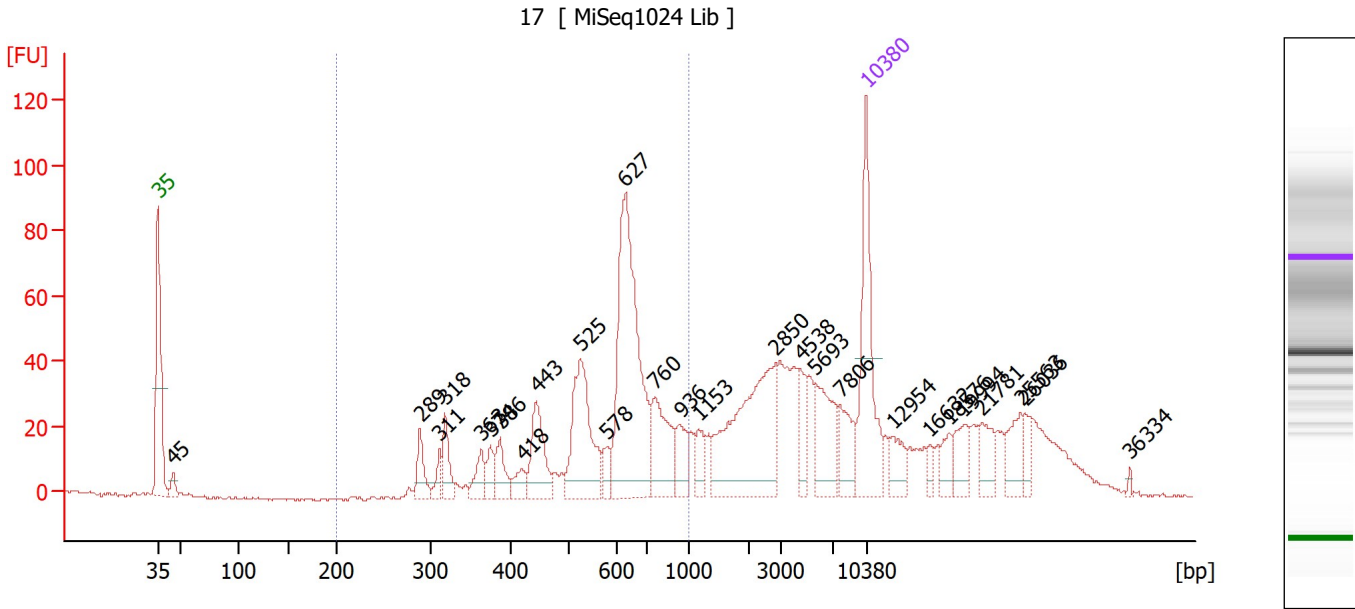
**Region table for sample 5 : 16**

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	1,174.9	60	556	29.9	871.89	2,762.0	

Assay Class: High Sensitivity DNA Assay  
 Data Path: Z:\...\Bioanalyzer1\_High Sensitivity DNA Assay\_2020-08-14\_008.xad

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 Modified: 8/14/2020 3:24:33 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : 17**

Number of peaks found: 27                      Corr. Area 1: 617.8  
 Noise: 0.4

**Peak table for sample 6 : 17**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	45	11.71	395.5	
3	289	22.92	120.3	
4	311	11.45	55.9	
5	318	24.05	114.7	
6	363	17.89	74.7	
7	374	13.69	55.5	
8	386	21.53	84.4	
9	418	13.14	47.6	
10	443	45.75	156.4	
11	525	89.45	258.0	
12	578	12.53	32.8	
13	627	189.06	457.1	
14	760	51.61	102.9	
15	936	21.97	35.6	
16	1,153	13.81	18.1	
17	2,850	115.20	61.2	
18	4,538	19.62	6.6	
19	5,693	42.13	11.2	
20	7,806	26.00	5.0	
21	10,380	75.00	10.9	Upper Marker
22	12,954	0.00	0.0	
23	16,632	0.00	0.0	
24	18,576	0.00	0.0	
25	19,994	0.00	0.0	
26	21,781	0.00	0.0	

Assay Class: High Sensitivity DNA Assay  
 Data Path: Z:\...\Bioanalyzer1\_High Sensitivity DNA Assay\_2020-08-14\_008.xad

Created: 8/14/2020 2:43:45 PM  
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**Electropherogram Summary Continued ...**

**... Peak table for sample 6 : 17**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	25,563	0.00	0.0	
28	26,036	0.00	0.0	
29	36,334	0.00	0.0	

**Region table for sample 6 : 17**

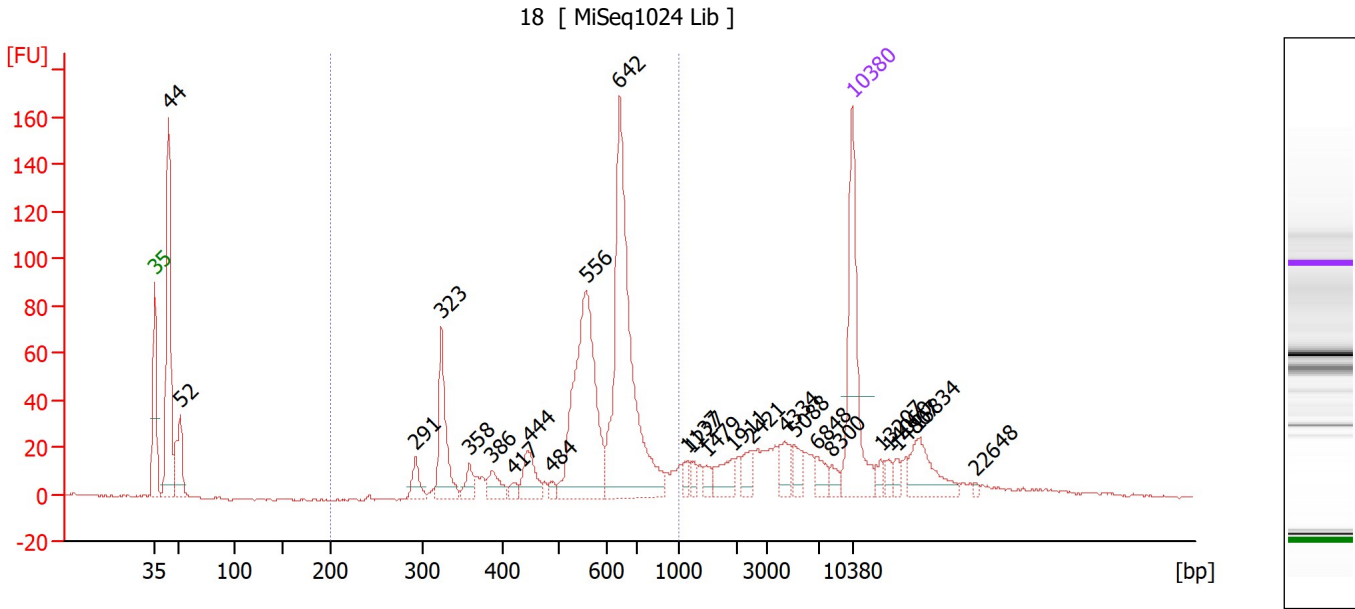
From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	617.8	45	590	27.3	513.46	1,490.6	



Assay Class: High Sensitivity DNA Assay  
 Data Path: Z:\...\Bioanalyzer1\_High Sensitivity DNA Assay\_2020-08-14\_008.xad

Created: 8/14/2020 2:43:45 PM  
 Modified: 8/14/2020 3:24:33 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : 18**

Number of peaks found: 25                      Corr. Area 1: 785.7  
 Noise: 0.5

**Peak table for sample 7 : 18**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	44	184.13	6,342.5	
3	52	54.63	1,587.7	
4	291	16.44	85.5	
5	323	62.77	294.9	
6	358	12.48	52.8	
7	386	15.33	60.2	
8	417	5.26	19.1	
9	444	25.29	86.3	
10	484	4.93	15.4	
11	556	163.41	445.0	
12	642	218.19	515.3	
13	1,137	6.07	8.1	
14	1,227	5.86	7.2	
15	1,479	6.88	7.0	
16	1,911	15.24	12.1	
17	2,421	10.88	6.8	
18	4,334	14.63	5.1	
19	5,088	10.06	3.0	
20	6,848	10.39	2.3	
21	8,300	5.99	1.1	
22	10,380	75.00	10.9	Upper Marker
23	13,207	0.00	0.0	
24	14,060	0.00	0.0	
25	14,807	0.00	0.0	
26	16,834	0.00	0.0	

Assay Class: High Sensitivity DNA Assay  
 Data Path: Z:\...\Bioanalyzer1\_High Sensitivity DNA Assay\_2020-08-14\_008.xad


Created: 8/14/2020 2:43:45 PM  
 Modified: 8/14/2020 3:24:33 PM

**Electropherogram Summary Continued ...**

**... Peak table for sample 7 : 18**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	22,648	0.00	0.0	

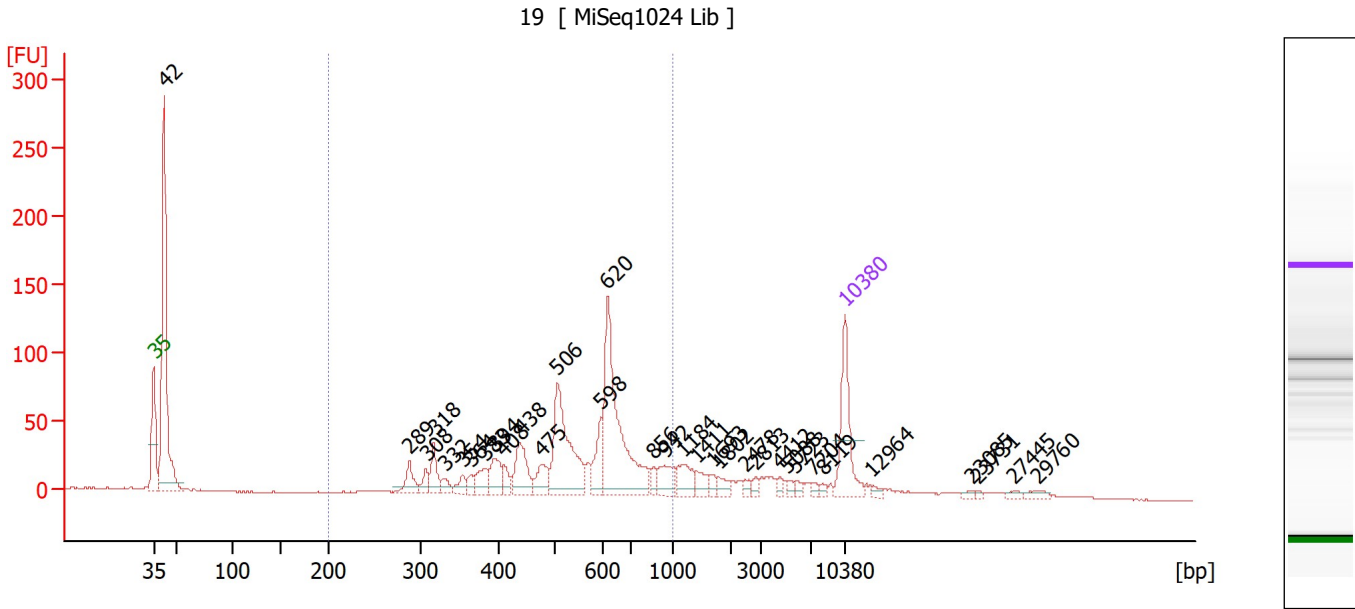
**Region table for sample 7 : 18**

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	785.7	56	575	23.7	518.71	1,516.8	

Assay Class: High Sensitivity DNA Assay  
 Data Path: Z:\...\Bioanalyzer1\_High Sensitivity DNA Assay\_2020-08-14\_008.xad

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 Modified: 8/14/2020 3:24:33 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : 19**

Number of peaks found: 33                      Corr. Area 1: 853.3  
 Noise: 0.6

**Peak table for sample 8 : 19**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	42	481.78	17,390.2	
3	289	33.16	174.1	
4	308	17.47	86.1	
5	318	33.76	161.0	
6	332	14.20	64.8	
7	354	15.90	68.0	
8	364	12.04	50.1	
9	383	29.00	114.8	
10	394	37.55	144.4	
11	408	17.04	63.3	
12	438	58.99	204.3	
13	475	31.24	99.7	
14	506	158.83	475.5	
15	598	37.30	94.6	
16	620	225.00	550.1	
17	856	11.87	21.0	
18	942	31.40	50.5	
19	1,184	29.99	38.4	
20	1,411	17.38	18.7	
21	1,693	7.85	7.0	
22	1,802	11.27	9.5	
23	2,478	7.41	4.5	
24	2,813	5.86	3.2	
25	4,412	6.36	2.2	
26	5,088	6.14	1.8	

Assay Class: High Sensitivity DNA Assay  
 Data Path: Z:\...\Bioanalyzer1\_High Sensitivity DNA Assay\_2020-08-14\_008.xad

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**Electropherogram Summary Continued ...**

**... Peak table for sample 8 : 19**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	5,723	5.90	1.6	
28	7,204	5.31	1.1	
29	8,119	4.30	0.8	
30	10,380	75.00	10.9	Upper Marker
31	12,964	0.00	0.0	
32	23,085	0.00	0.0	
33	23,731	0.00	0.0	
34	27,445	0.00	0.0	
35	29,760	0.00	0.0	

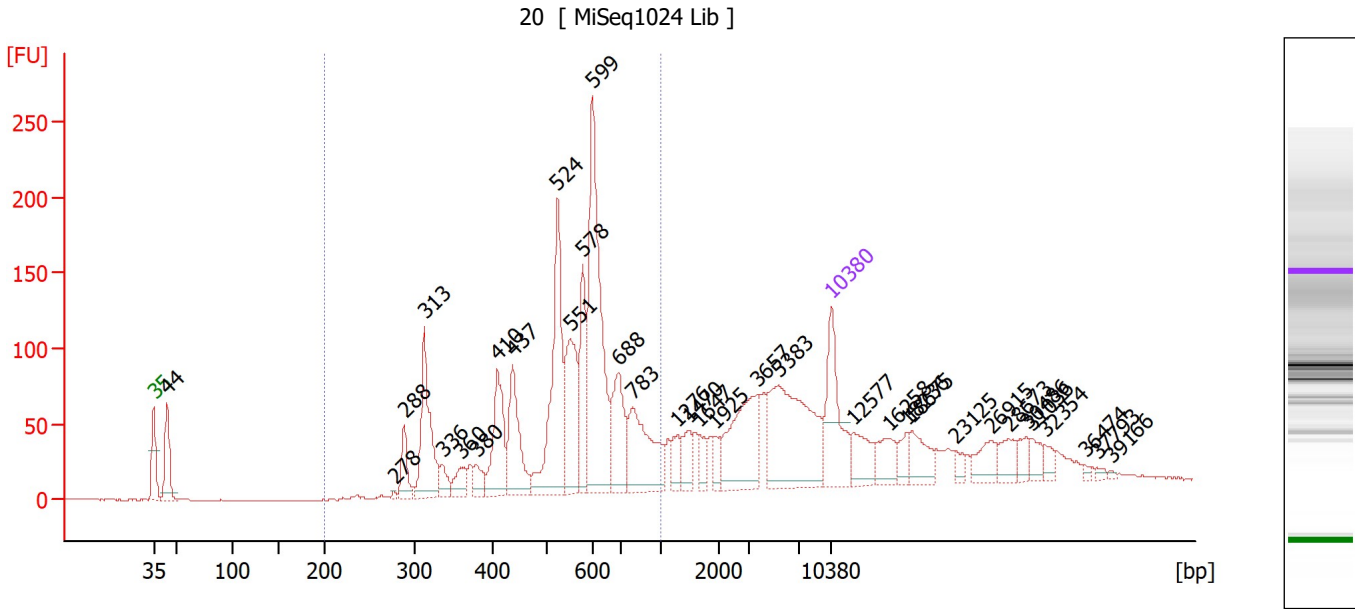
**Region table for sample 8 : 19**

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	853.3	57	554	27.8	742.79	2,281.4	

Assay Class: High Sensitivity DNA Assay  
 Data Path: Z:\...\Bioanalyzer1\_High Sensitivity DNA Assay\_2020-08-14\_008.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 9 : 20**

Number of peaks found: 34                      Corr. Area 1: 1,697.8  
 Noise: 0.3

**Peak table for sample 9 : 20**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	44	76.68	2,646.7	
3	278	2.76	15.0	
4	288	36.62	192.4	
5	313	118.71	575.3	
6	336	19.62	88.5	
7	360	24.60	103.5	
8	380	20.37	81.3	
9	410	85.18	314.7	
10	437	86.98	301.4	
11	524	171.85	497.3	
12	551	103.77	285.2	
13	578	76.11	199.6	
14	599	240.57	609.0	
15	688	79.36	174.7	
16	783	101.20	195.8	
17	1,276	19.21	22.8	
18	1,470	24.28	25.0	
19	1,647	17.08	15.7	
20	1,925	13.26	10.4	
21	3,657	95.45	39.5	
22	5,383	156.83	44.1	
23	10,380	75.00	10.9	Upper Marker
24	12,577	0.00	0.0	
25	16,258	0.00	0.0	
26	18,236	0.00	0.0	

Assay Class: High Sensitivity DNA Assay  
 Data Path: Z:\...\Bioanalyzer1\_High Sensitivity DNA Assay\_2020-08-14\_008.xad

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 Modified: 8/14/2020 3:24:33 PM

**Electropherogram Summary Continued ...**

**... Peak table for sample 9 : 20**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	18,675	0.00	0.0	
28	23,125	0.00	0.0	
29	26,915	0.00	0.0	
30	28,673	0.00	0.0	
31	30,486	0.00	0.0	
32	31,036	0.00	0.0	
33	32,354	0.00	0.0	
34	36,474	0.00	0.0	
35	37,793	0.00	0.0	
36	39,166	0.00	0.0	

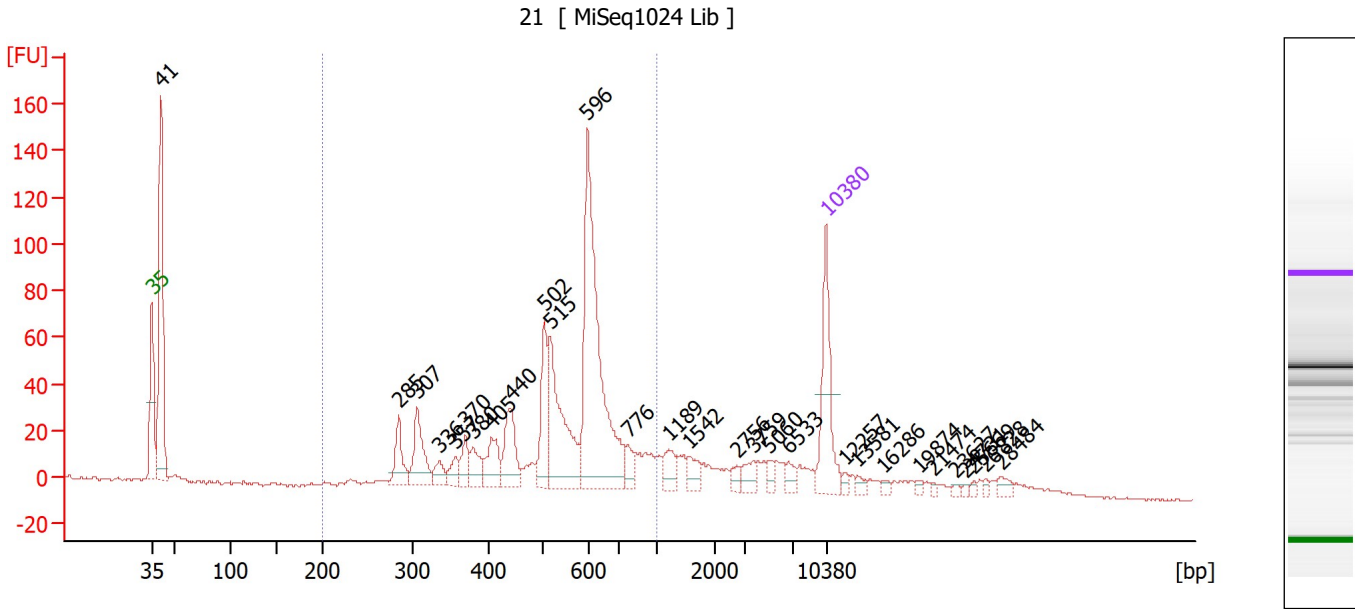
**Region table for sample 9 : 20**

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	1,697.8	57	555	26.2	1,099.97	3,348.8	

Assay Class: High Sensitivity DNA Assay  
 Data Path: Z:\...\Bioanalyzer1\_High Sensitivity DNA Assay\_2020-08-14\_008.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 10 : 21**

Number of peaks found: 29                      Corr. Area 1: 827.1  
 Noise: 0.5

**Peak table for sample 10 : 21**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	41	293.02	10,807.3	
3	285	42.96	228.0	
4	307	63.42	313.3	
5	336	18.15	81.9	
6	357	19.78	84.0	
7	370	24.80	101.6	
8	380	27.59	110.0	
9	405	39.83	148.9	
10	440	58.97	202.9	
11	502	68.34	206.1	
12	515	138.67	407.9	
13	596	289.94	737.0	
14	776	19.26	37.6	
15	1,189	20.71	26.4	
16	1,542	16.25	16.0	
17	2,756	8.32	4.6	
18	3,759	14.22	5.7	
19	5,060	7.23	2.2	
20	6,533	9.85	2.3	
21	10,380	75.00	10.9	Upper Marker
22	12,257	0.00	0.0	
23	13,581	0.00	0.0	
24	16,286	0.00	0.0	
25	19,874	0.00	0.0	
26	21,474	0.00	0.0	

Assay Class: High Sensitivity DNA Assay  
 Data Path: Z:\...\Bioanalyzer1\_High Sensitivity DNA Assay\_2020-08-14\_008.xad

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**Electropherogram Summary Continued ...**

**... Peak table for sample 10 : 21**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	23,627	0.00	0.0	
28	24,731	0.00	0.0	
29	25,669	0.00	0.0	
30	26,828	0.00	0.0	
31	28,484	0.00	0.0	

**Region table for sample 10 : 21**

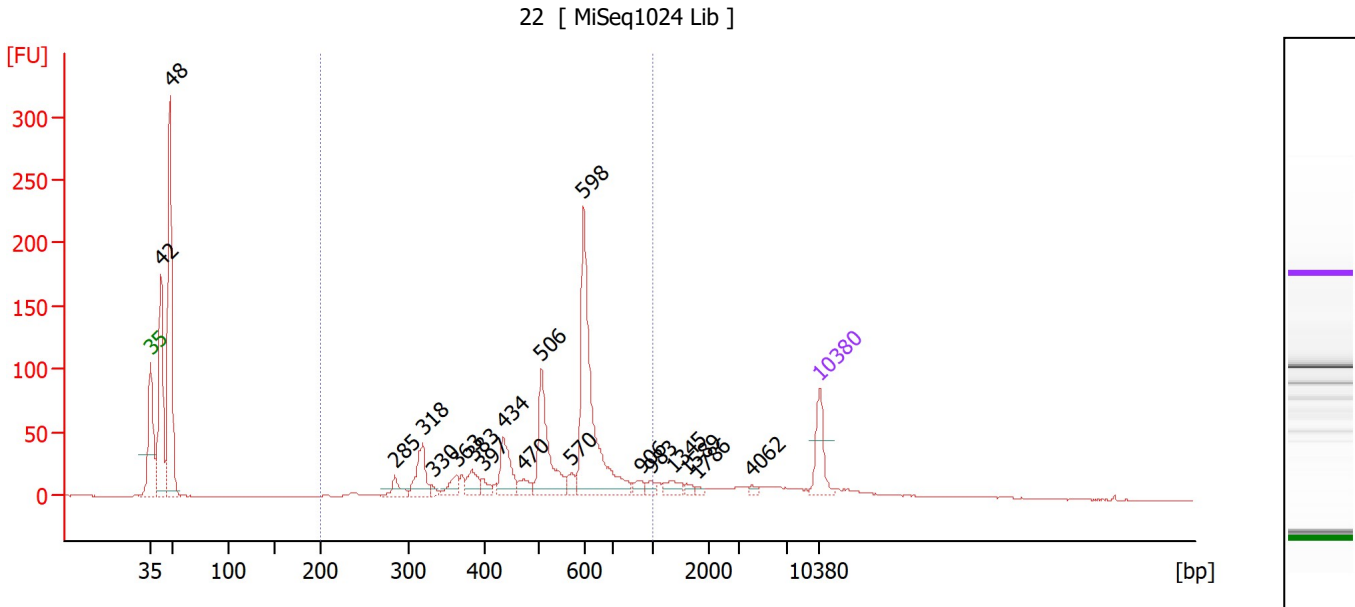
From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	827.1	63	542	27.4	867.26	2,737.8	



Assay Class: High Sensitivity DNA Assay  
 Data Path: Z:\...\Bioanalyzer1\_High Sensitivity DNA Assay\_2020-08-14\_008.xad

Created: 8/14/2020 2:43:45 PM  
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**Electropherogram Summary Continued ...**



**Overall Results for sample 11 : 22**

Number of peaks found: 19                      Corr. Area 1: 865.0  
 Noise: 0.3

**Peak table for sample 11 : 22**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	42	465.79	16,864.1	
3	48	736.00	23,419.2	
4	285	37.99	202.2	
5	318	102.39	487.1	
6	330	13.24	60.7	
7	363	41.39	172.7	
8	383	51.45	203.7	
9	397	23.79	90.7	
10	434	105.24	367.6	
11	470	34.22	110.2	
12	506	221.00	662.3	
13	570	27.43	73.0	
14	598	454.57	1,152.2	
15	906	18.66	31.2	
16	983	15.85	24.4	
17	1,345	27.56	31.0	
18	1,589	9.15	8.7	
19	1,786	7.30	6.2	
20	4,062	8.38	3.1	
21	10,380	75.00	10.9	Upper Marker

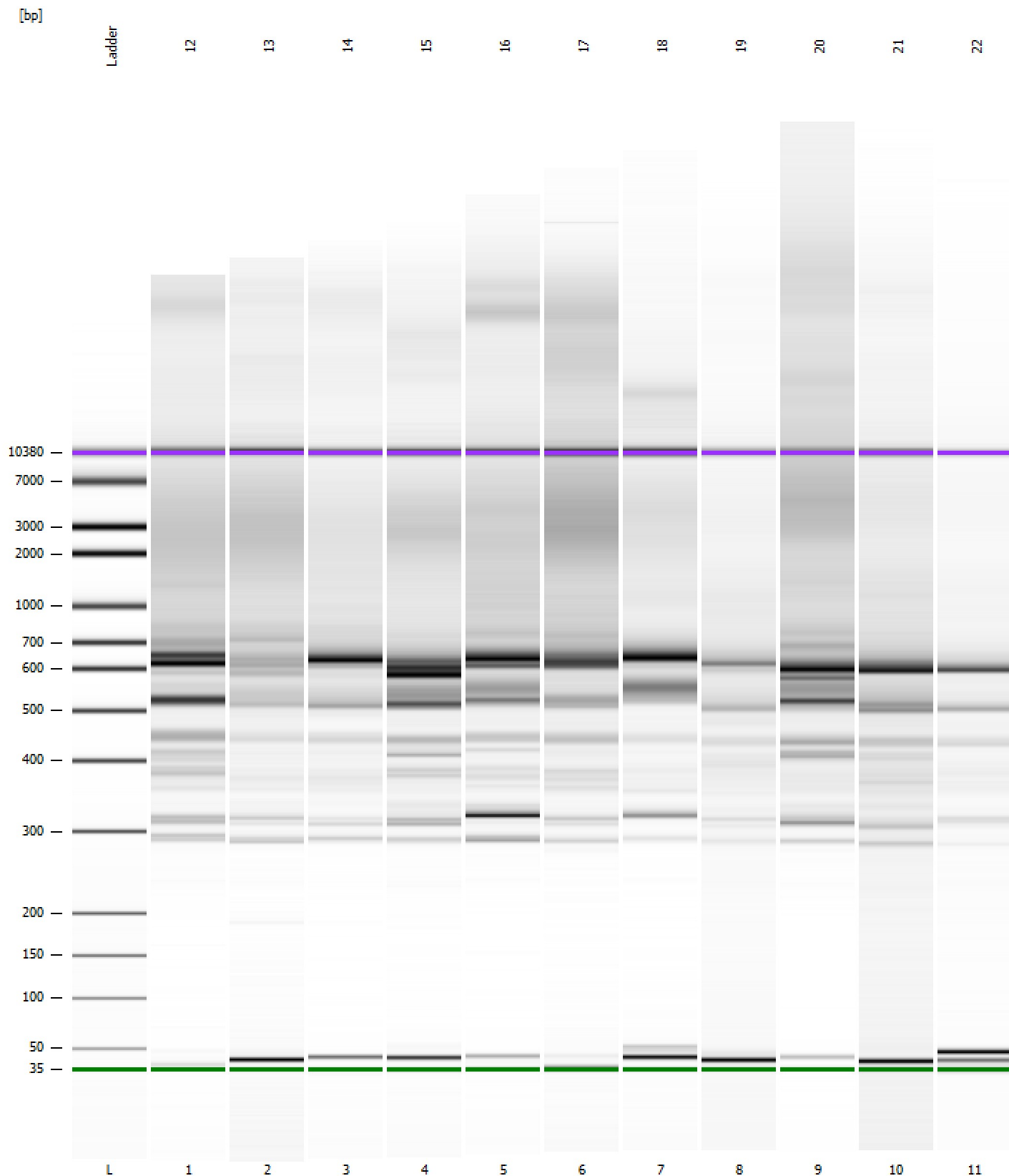
**Region table for sample 11 : 22**

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	865.0	53	535	26.9	1,281.08	4,086.1	Blue

Assay Class: High Sensitivity DNA Assay  
Data Path: Z:\...\Bioanalyzer1\_High Sensitivity DNA Assay\_2020-08-14\_008.xad

Created: 8/14/2020 2:43:45 PM  
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**Gel Image**



Assay Class: High Sensitivity DNA Assay  
 Data Path: Z:\...\Bioanalyzer1\_High Sensitivity DNA Assay\_2020-08-14\_008.xad

Created: 8/14/2020 2:43:45 PM  
 Modified: 8/14/2020 3:24:33 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		8/14/2020 3:24:07 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: Z:\XADs\2020-08-14\Bioanalyze r1_High Sensitivity DNA Assay_2020-08-14_008.xad)		Instrument	Run		8/14/2020 2:43:45 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		8/14/2020 2:43:45 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		8/14/2020 2:43:45 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		8/14/2020 2:43:45 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		8/14/2020 2:43:45 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		8/14/2020 2:43:45 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		8/14/2020 2:43:45 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB