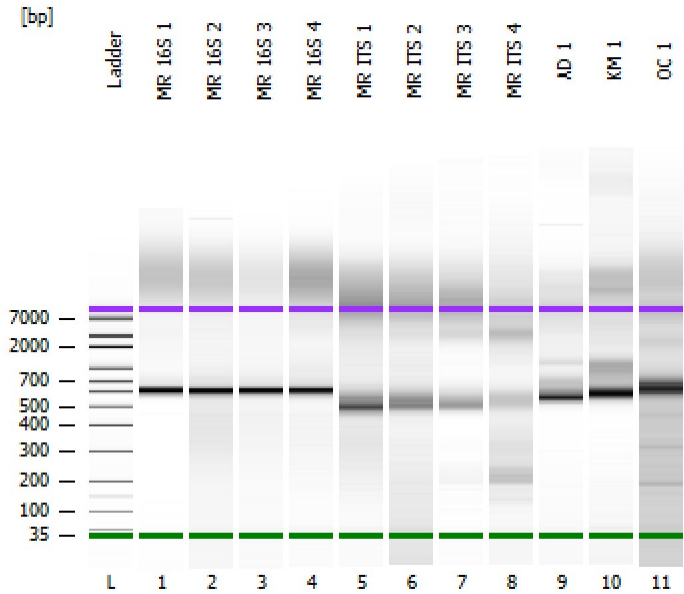


Assay Class: High Sensitivity DNA Assay  
Data Path: Z:\...\Bioanalyzer1\_High Sensitivity DNA Assay\_2020-10-21\_001.xad

Created: 10/21/2020 12:18:40 PM  
Modified: 10/21/2020 1:01:23 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

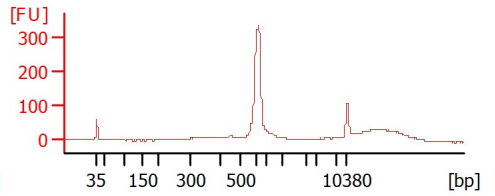
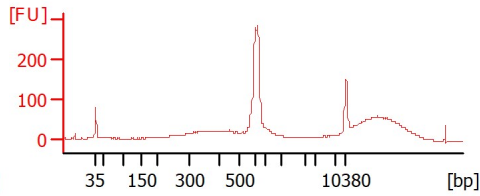
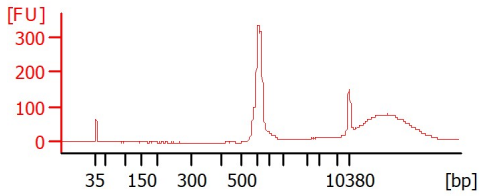
Chip Information:

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

**MR 16S 1**

**MR 16S 2**

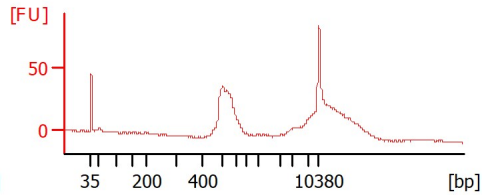
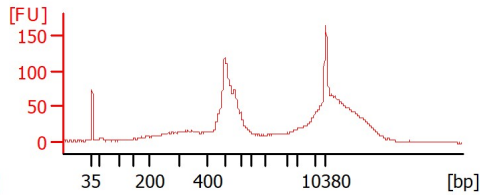
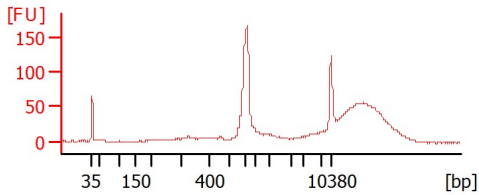
**MR 16S 3**



**MR 16S 4**

**MR ITS 1**

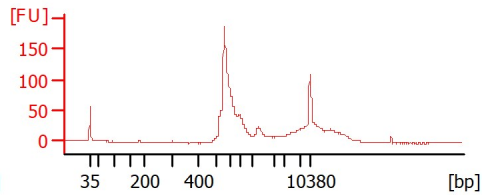
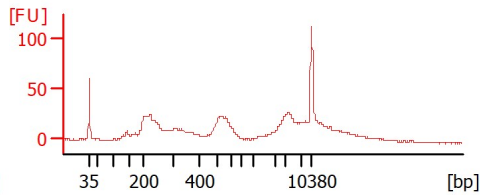
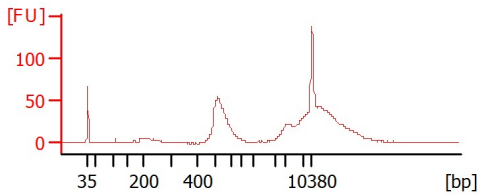
**MR ITS 2**



**MR ITS 3**

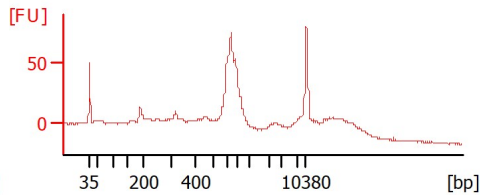
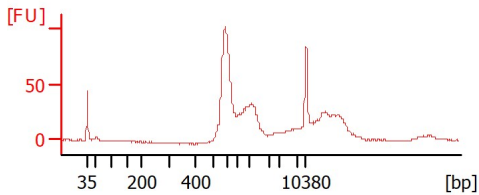
**MR ITS 4**

**AD 1**



**KM 1**

**OC 1**



Assay Class: High Sensitivity DNA Assay  
 Data Path: Z:\...\Bioanalyzer1\_High Sensitivity DNA Assay\_2020-10-21\_001.xad

Created: 10/21/2020 12:18:40 PM  
 Modified: 10/21/2020 1:01:23 PM

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

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
MR 16S 1		<input type="checkbox"/>	✓			
MR 16S 2		<input type="checkbox"/>	✓			
MR 16S 3		<input type="checkbox"/>	✓			
MR 16S 4		<input type="checkbox"/>	✓			
MR ITS 1		<input type="checkbox"/>	✓			
MR ITS 2		<input type="checkbox"/>	✓			
MR ITS 3		<input type="checkbox"/>	✓			
MR ITS 4		<input type="checkbox"/>	✓			
AD 1		<input type="checkbox"/>	✓			
KM 1		<input type="checkbox"/>	✓			
OC 1		<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\_2020-10-21\_001.xad

Created: 10/21/2020 12:18:40 PM  
 Modified: 10/21/2020 1:01:23 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

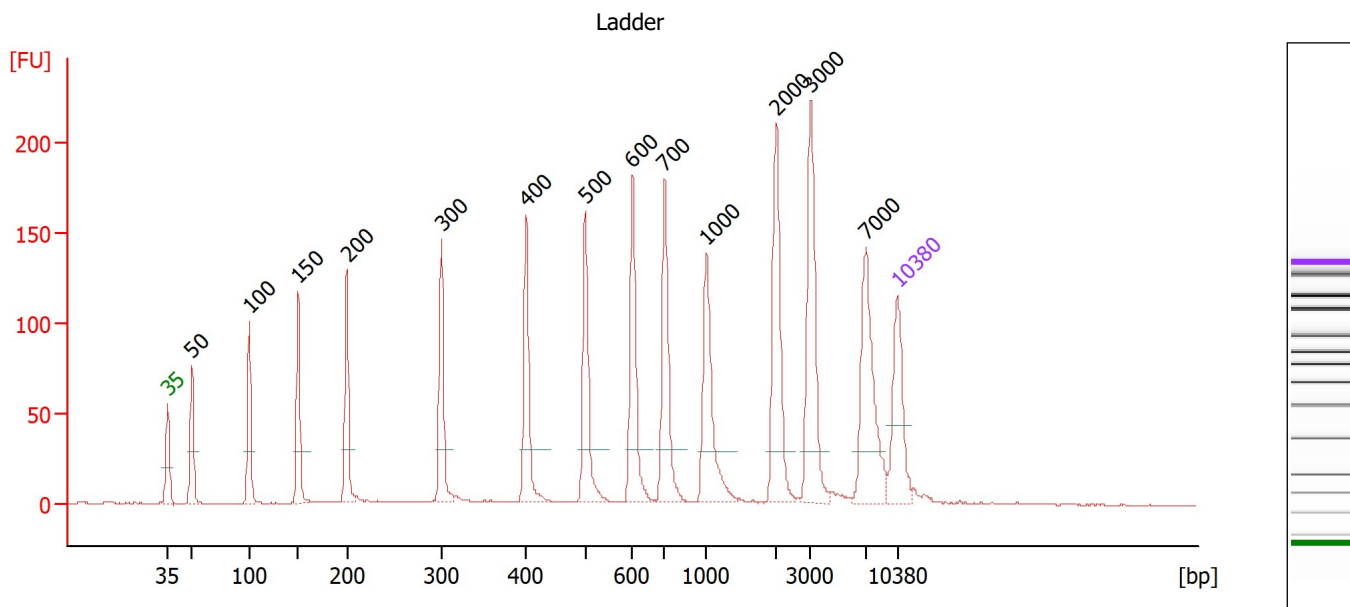
**Ladder**

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\_2020-10-21\_001.xad

Created: 10/21/2020 12:18:40 PM  
 Modified: 10/21/2020 1:01:23 PM

**Electropherogram Summary**



**Overall Results for Ladder**

Noise: 0.2

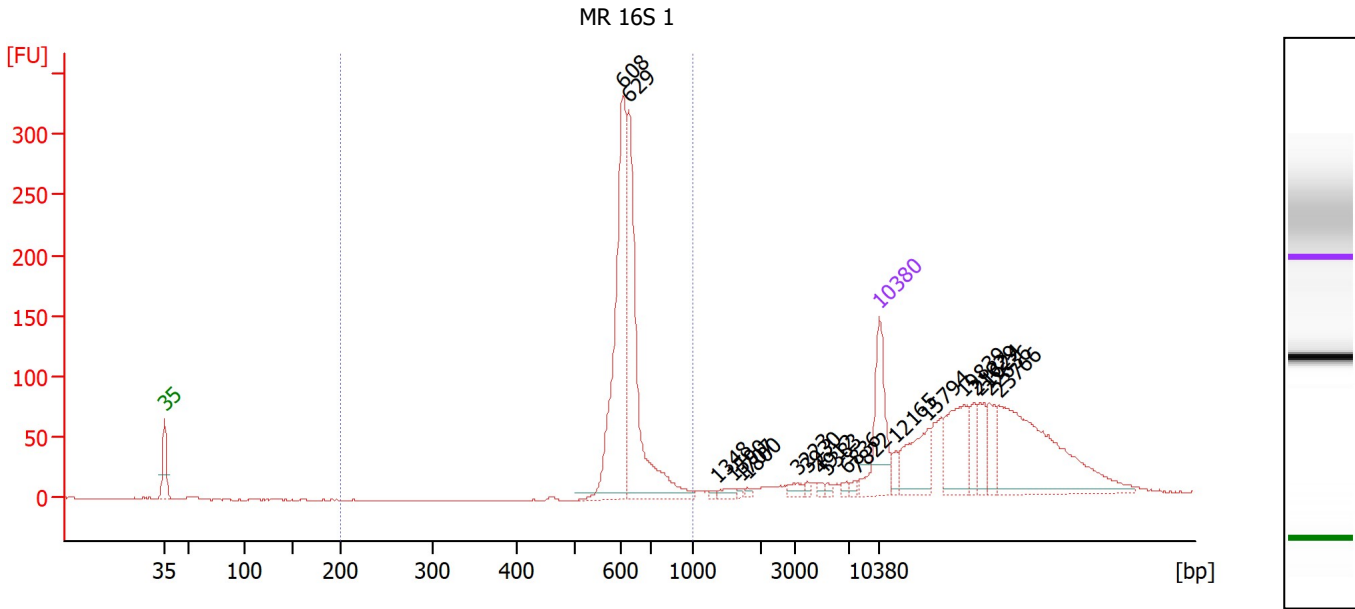
**Peak table for Ladder**

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\_2020-10-21\_001.xad

Created: 10/21/2020 12:18:40 PM  
 Modified: 10/21/2020 1:01:23 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : MR 16S 1**

Number of peaks found: 19      Corr. Area 1: 867.7  
 Noise: 0.3

**Peak table for sample 1 : MR 16S 1**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	608	282.86	704.6	
3	629	246.58	594.3	
4	1,348	2.26	2.5	
5	1,590	6.51	6.2	
6	1,707	2.48	2.2	
7	1,800	3.43	2.9	
8	3,223	7.99	3.8	
9	3,930	3.51	1.4	
10	4,912	3.42	1.1	
11	5,383	4.10	1.2	
12	6,836	4.35	1.0	
13	7,822	4.11	0.8	
14	10,380	75.00	10.9	Upper Marker
15	12,165	0.00	0.0	
16	15,794	0.00	0.0	
17	19,839	0.00	0.0	
18	21,029	0.00	0.0	
19	21,624	0.00	0.0	
20	22,636	0.00	0.0	
21	23,766	0.00	0.0	

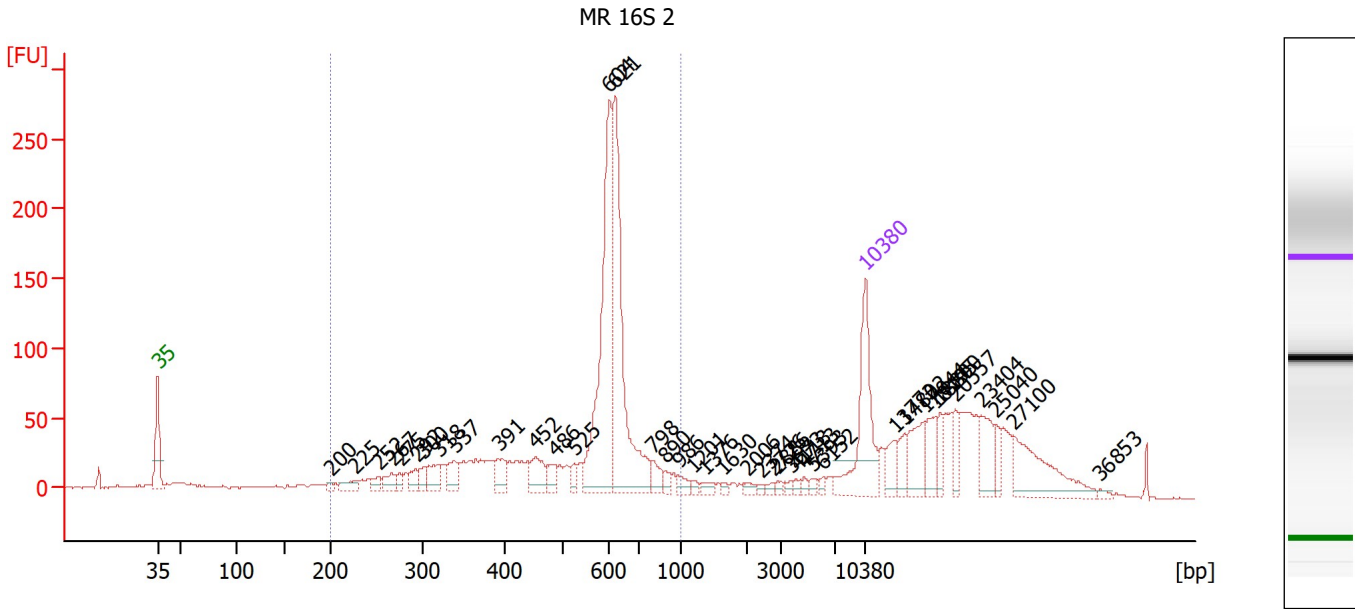
**Region table for sample 1 : MR 16S 1**

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	867.7	46	629	8.8	506.72	1,228.2	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: Z:\...\Bioanalyzer1\_High Sensitivity DNA Assay\_2020-10-21\_001.xad

Created: 10/21/2020 12:18:40 PM  
 Modified: 10/21/2020 1:01:23 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : MR 16S 2**

Number of peaks found: 40                      Corr. Area 1: 1,369.5  
 Noise: 0.8

**Peak table for sample 2 : MR 16S 2**


Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	200	5.05	38.3	
3	225	12.81	86.4	
4	252	9.01	54.3	
5	267	14.74	83.7	
6	275	8.11	44.7	
7	292	11.96	62.0	
8	300	11.04	55.8	
9	318	22.63	107.9	
10	337	19.35	86.9	
11	391	21.39	83.0	
12	452	25.94	86.9	
13	486	13.97	43.6	
14	525	9.54	27.6	
15	604	200.74	503.8	
16	621	194.20	473.8	
17	798	12.41	23.6	
18	890	6.03	10.3	
19	986	7.14	11.0	
20	1,201	3.35	4.2	
21	1,376	5.52	6.1	
22	1,630	3.14	2.9	
23	2,006	4.06	3.1	
24	2,374	2.34	1.5	
25	2,726	3.12	1.7	
26	2,886	3.32	1.7	

Assay Class: High Sensitivity DNA Assay  
 Data Path: Z:\...\Bioanalyzer1\_High Sensitivity DNA Assay\_2020-10-21\_001.xad

Created: 10/21/2020 12:18:40 PM  
 Modified: 10/21/2020 1:01:23 PM

**Electropherogram Summary Continued ...**

**... Peak table for sample 2 : MR 16S 2**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	3,673	2.84	1.2	
28	4,113	2.93	1.1	
29	4,713	3.58	1.1	
30	5,393	3.86	1.1	
31	6,152	3.58	0.9	
32	 10,380	75.00	10.9	Upper Marker
33	13,772	0.00	0.0	
34	14,802	0.00	0.0	
35	17,044	0.00	0.0	
36	18,195	0.00	0.0	
37	18,800	0.00	0.0	
38	20,557	0.00	0.0	
39	23,404	0.00	0.0	
40	25,040	0.00	0.0	
41	27,100	0.00	0.0	
42	36,853	0.00	0.0	

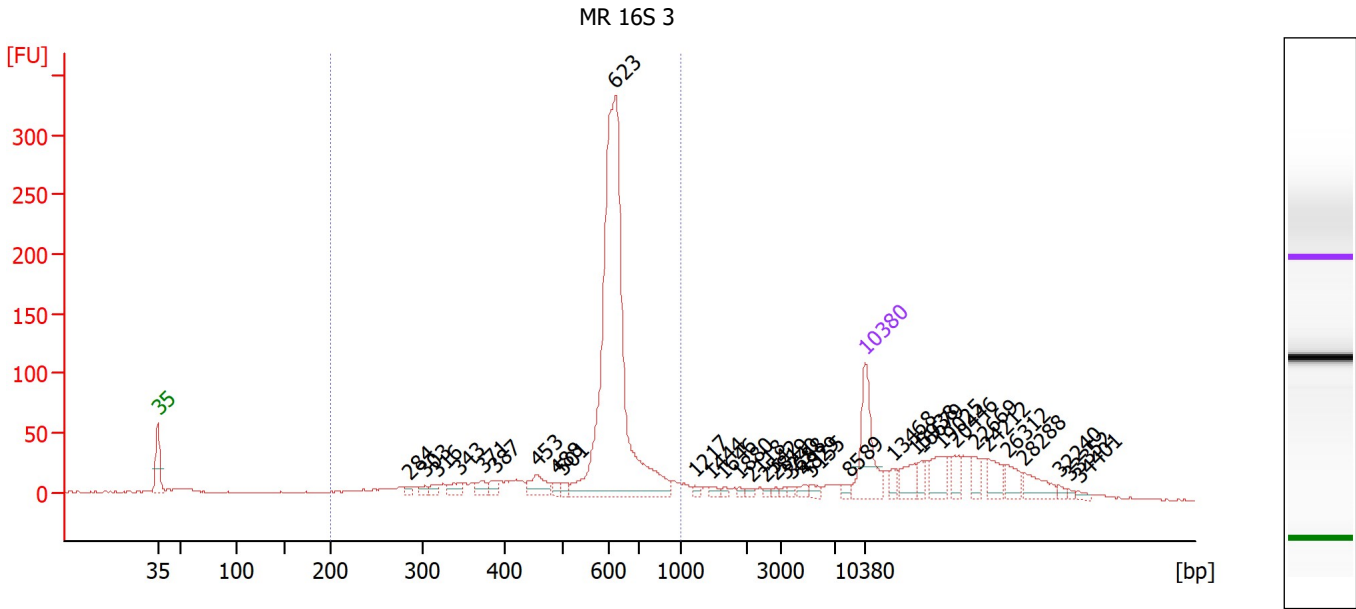
**Region table for sample 2 : MR 16S 2**

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	1,369.5	59	543	27.0	748.47	2,434.5	

Assay Class: High Sensitivity DNA Assay  
 Data Path: Z:\...\Bioanalyzer1\_High Sensitivity DNA Assay\_2020-10-21\_001.xad

Created: 10/21/2020 12:18:40 PM  
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Electropherogram Summary Continued ...



Overall Results for sample 3 : **MR 16S 3**

Number of peaks found: 34                      Corr. Area 1: 1,177.8  
 Noise: 0.6

Peak table for sample 3 : **MR 16S 3**

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	284	7.59	40.4	
3	303	8.26	41.3	
4	316	10.60	50.8	
5	343	17.28	76.3	
6	371	17.27	70.4	
7	387	11.54	45.2	
8	453	32.78	109.6	
9	488	8.02	24.9	
10	501	8.29	25.1	
11	623	679.30	1,651.8	
12	1,217	4.96	6.2	
13	1,444	5.63	5.9	
14	1,646	3.68	3.4	
15	1,880	3.18	2.6	
16	2,118	4.36	3.1	
17	2,542	3.16	1.9	
18	2,819	3.42	1.8	
19	3,240	3.92	1.8	
20	3,688	3.94	1.6	
21	4,829	6.55	2.1	
22	5,155	7.16	2.1	
23	8,589	5.89	1.0	
24	10,380	75.00	10.9	Upper Marker
25	13,468	0.00	0.0	
26	15,938	0.00	0.0	



Assay Class: High Sensitivity DNA Assay  
 Data Path: Z:\...\Bioanalyzer1\_High Sensitivity DNA Assay\_2020-10-21\_001.xad

Created: 10/21/2020 12:18:40 PM  
 Modified: 10/21/2020 1:01:23 PM

**Electropherogram Summary Continued ...**

**... Peak table for sample 3 : MR 16S 3**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	16,679	0.00	0.0	
28	19,025	0.00	0.0	
29	20,446	0.00	0.0	
30	22,669	0.00	0.0	
31	24,212	0.00	0.0	
32	26,312	0.00	0.0	
33	28,288	0.00	0.0	
34	32,240	0.00	0.0	
35	33,352	0.00	0.0	
36	34,401	0.00	0.0	

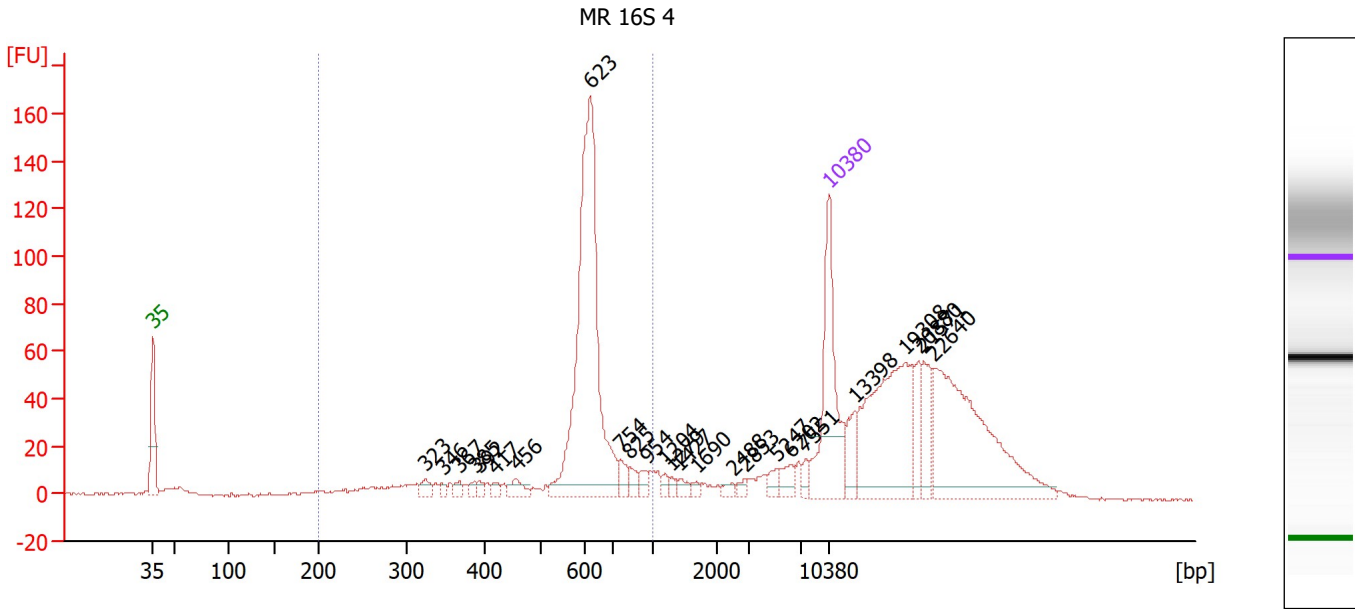
**Region table for sample 3 : MR 16S 3**

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	1,177.8	66	583	21.3	908.57	2,620.2	

Assay Class: High Sensitivity DNA Assay  
 Data Path: Z:\...\Bioanalyzer1\_High Sensitivity DNA Assay\_2020-10-21\_001.xad

Created: 10/21/2020 12:18:40 PM  
 Modified: 10/21/2020 1:01:23 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : MR 16S 4**

Number of peaks found: 25                      Corr. Area 1: 606.1  
 Noise: 0.6

**Peak table for sample 4 : MR 16S 4**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	323	7.69	36.0	
3	346	3.47	15.2	
4	367	4.74	19.6	
5	385	3.96	15.6	
6	392	3.81	14.7	
7	417	4.16	15.1	
8	456	9.55	31.8	
9	623	261.11	635.1	
10	754	9.12	18.3	
11	825	7.06	13.0	
12	954	5.90	9.4	
13	1,204	3.81	4.8	
14	1,279	3.00	3.6	
15	1,427	4.57	4.9	
16	1,690	2.90	2.6	
17	2,488	3.64	2.2	
18	2,853	3.48	1.8	
19	5,247	6.25	1.8	
20	6,202	9.18	2.2	
21	7,551	4.87	1.0	
22	10,380	75.00	10.9	Upper Marker
23	13,398	0.00	0.0	
24	19,308	0.00	0.0	
25	20,880	0.00	0.0	
26	21,571	0.00	0.0	

Assay Class: High Sensitivity DNA Assay  
 Data Path: Z:\...\Bioanalyzer1\_High Sensitivity DNA Assay\_2020-10-21\_001.xad

Created: 10/21/2020 12:18:40 PM  
 Modified: 10/21/2020 1:01:23 PM

**Electropherogram Summary Continued ...**

**... Peak table for sample 4 : MR 16S 4**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	22,640	0.00	0.0	

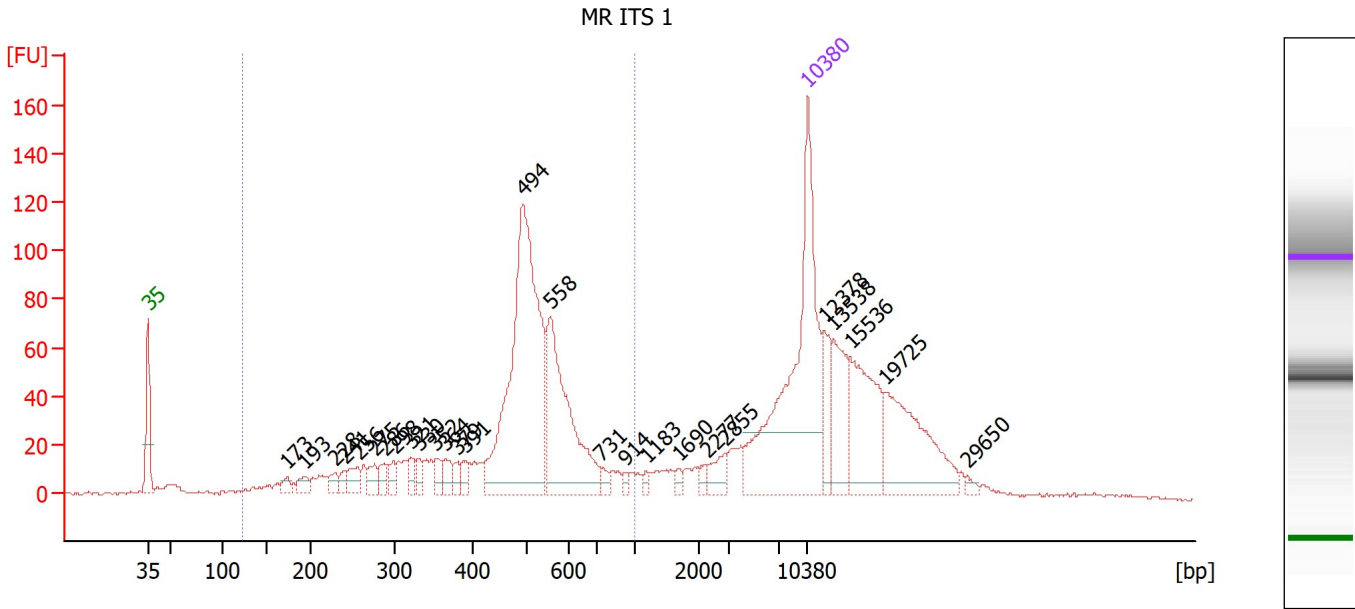
**Region table for sample 4 : MR 16S 4**

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	606.1	43	591	22.4	370.58	1,066.1	

Assay Class: High Sensitivity DNA Assay  
 Data Path: Z:\...\Bioanalyzer1\_High Sensitivity DNA Assay\_2020-10-21\_001.xad

Created: 10/21/2020 12:18:40 PM  
 Modified: 10/21/2020 1:01:23 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : MR ITS 1**

Number of peaks found: 27                      Corr. Area 1: 1,123.2  
 Noise: 0.7

**Peak table for sample 5 : MR ITS 1**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	173	3.89	34.0	
3	193	5.09	39.9	
4	228	4.21	28.0	
5	241	3.43	21.5	
6	256	7.16	42.4	
7	275	5.70	31.4	
8	286	4.93	26.1	
9	298	4.51	22.9	
10	321	4.21	19.9	
11	330	4.05	18.6	
12	352	4.48	19.3	
13	364	5.55	23.1	
14	379	3.28	13.1	
15	391	4.34	16.9	
16	494	125.80	385.8	
17	558	58.30	158.3	
18	731	2.58	5.4	
19	914	1.56	2.6	
20	1,183	1.47	1.9	
21	1,690	1.64	1.5	
22	2,277	2.14	1.4	
23	2,855	5.65	3.0	
24	10,380	75.00	10.9	Upper Marker
25	12,378	0.00	0.0	
26	13,538	0.00	0.0	

Assay Class: High Sensitivity DNA Assay  
 Data Path: Z:\...\Bioanalyzer1\_High Sensitivity DNA Assay\_2020-10-21\_001.xad

Created: 10/21/2020 12:18:40 PM  
 Modified: 10/21/2020 1:01:23 PM

**Electropherogram Summary Continued ...**

**... Peak table for sample 5 : MR ITS 1**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	15,536	0.00	0.0	
28	19,725	0.00	0.0	
29	29,650	0.00	0.0	

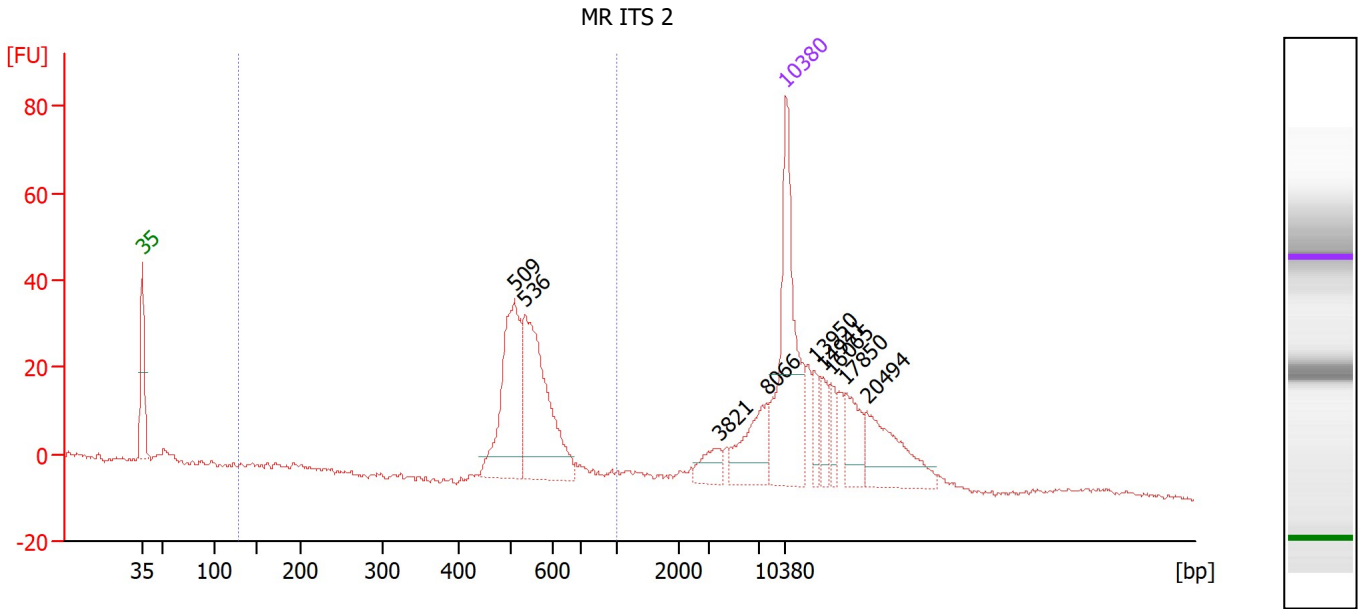
**Region table for sample 5 : MR ITS 1**

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
124	1,000	1,123.2	61	478	30.2	306.71	1,190.4	

Assay Class: High Sensitivity DNA Assay  
 Data Path: Z:\...\Bioanalyzer1\_High Sensitivity DNA Assay\_2020-10-21\_001.xad

Created: 10/21/2020 12:18:40 PM  
 Modified: 10/21/2020 1:01:23 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : MR ITS 2**

Number of peaks found: 9                      Corr. Area 1: 236.1  
 Noise: 0.5

**Peak table for sample 6 : MR ITS 2**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	509	84.06	250.3	
3	536	98.97	279.8	
4	3,821	10.77	4.3	
5	8,066	27.68	5.2	
6	10,380	75.00	10.9	Upper Marker
7	13,950	0.00	0.0	
8	14,941	0.00	0.0	
9	16,065	0.00	0.0	
10	17,850	0.00	0.0	
11	20,494	0.00	0.0	

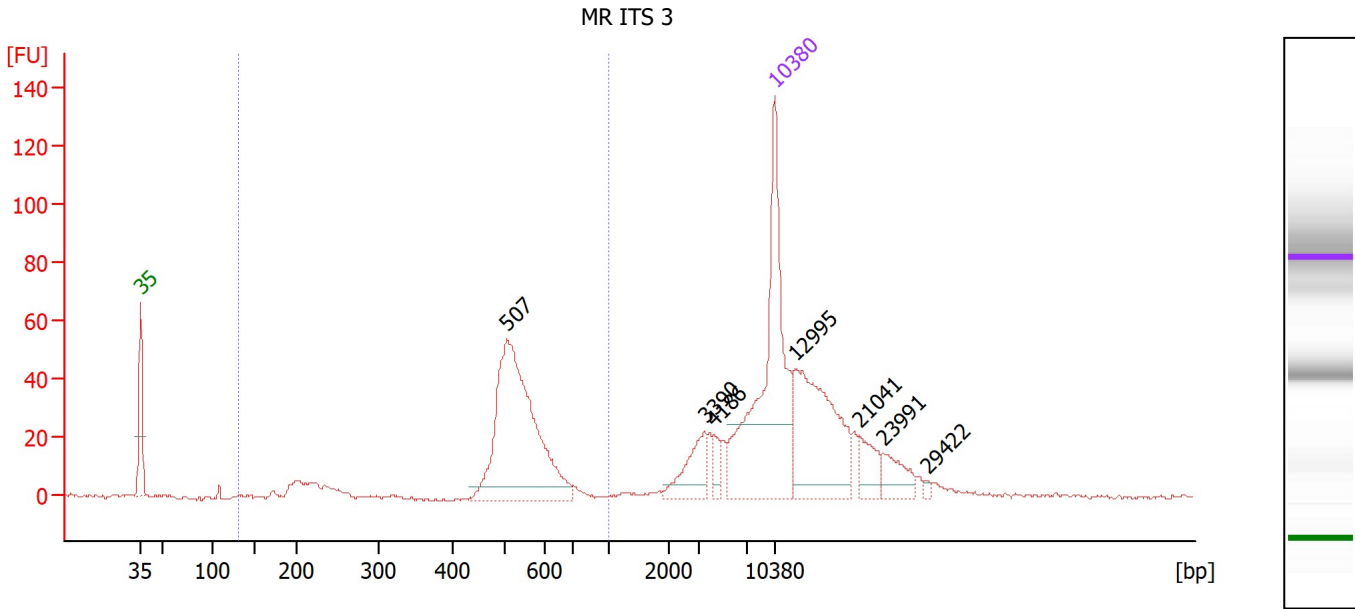
**Region table for sample 6 : MR ITS 2**

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
129	1,000	236.1	47	544	10.9	170.91	482.4	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: Z:\...\Bioanalyzer1\_High Sensitivity DNA Assay\_2020-10-21\_001.xad

Created: 10/21/2020 12:18:40 PM  
 Modified: 10/21/2020 1:01:23 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : MR ITS 3**

Number of peaks found: 7                      Corr. Area 1: 333.2  
 Noise: 0.6

**Peak table for sample 7 : MR ITS 3**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	507	111.59	333.3	
3	3,390	14.85	6.6	
4	4,186	4.58	1.7	
5	10,380	75.00	10.9	Upper Marker
6	12,995	0.00	0.0	
7	21,041	0.00	0.0	
8	23,991	0.00	0.0	
9	29,422	0.00	0.0	

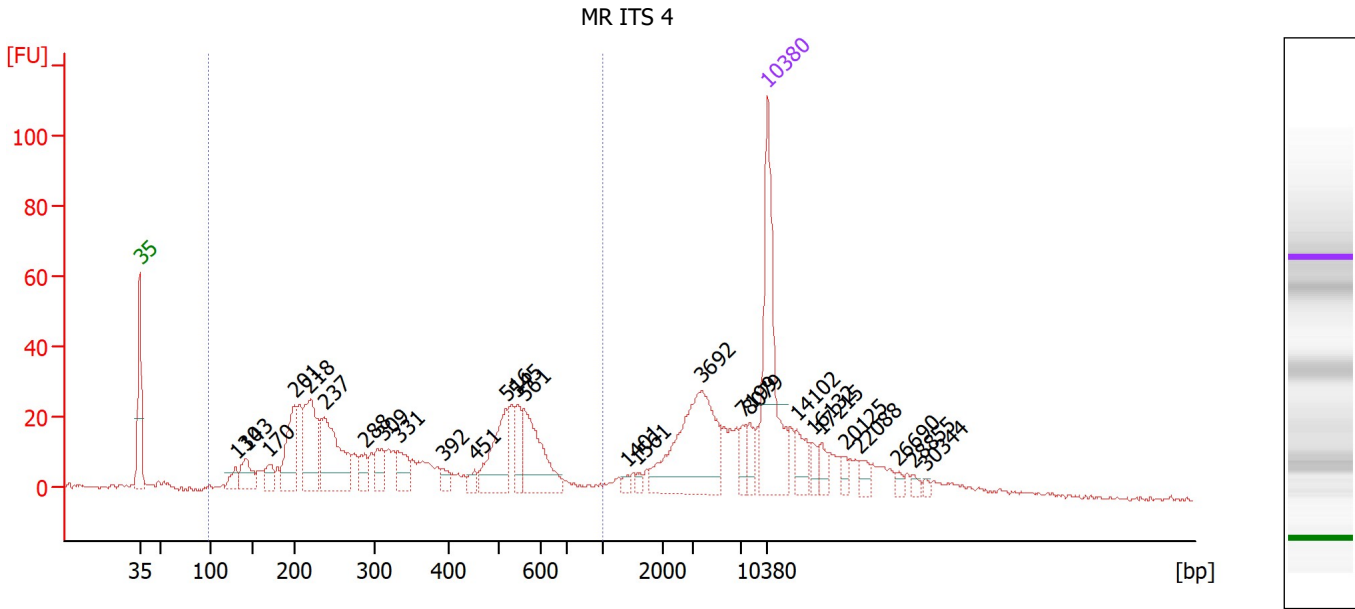
**Region table for sample 7 : MR ITS 3**

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
132	1,000	333.2	46	512	20.9	120.07	414.9	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: Z:\...\Bioanalyzer1\_High Sensitivity DNA Assay\_2020-10-21\_001.xad

Created: 10/21/2020 12:18:40 PM  
 Modified: 10/21/2020 1:01:23 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : MR ITS 4**

Number of peaks found: 27                      Corr. Area 1: 574.2  
 Noise: 0.5

**Peak table for sample 8 : MR ITS 4**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	130	12.17	141.3	
3	143	24.64	260.9	
4	170	14.09	125.2	
5	201	49.90	376.0	
6	218	61.03	423.9	
7	237	72.45	462.8	
8	288	13.07	68.8	
9	309	16.96	83.2	
10	331	19.57	89.5	
11	392	6.89	26.7	
12	451	5.83	19.6	
13	516	43.14	126.8	
14	545	16.38	45.6	
15	561	51.83	140.1	
16	1,401	2.96	3.2	
17	1,561	2.96	2.9	
18	3,692	83.25	34.2	
19	7,199	8.21	1.7	
20	8,079	8.63	1.6	
21	10,380	75.00	10.9	Upper Marker
22	14,102	0.00	0.0	
23	16,132	0.00	0.0	
24	17,215	0.00	0.0	
25	20,125	0.00	0.0	
26	22,088	0.00	0.0	



Assay Class: High Sensitivity DNA Assay  
 Data Path: Z:\...\Bioanalyzer1\_High Sensitivity DNA Assay\_2020-10-21\_001.xad

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**Electropherogram Summary Continued ...**

**... Peak table for sample 8 : MR ITS 4**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	26,690	0.00	0.0	
28	28,855	0.00	0.0	
29	30,344	0.00	0.0	

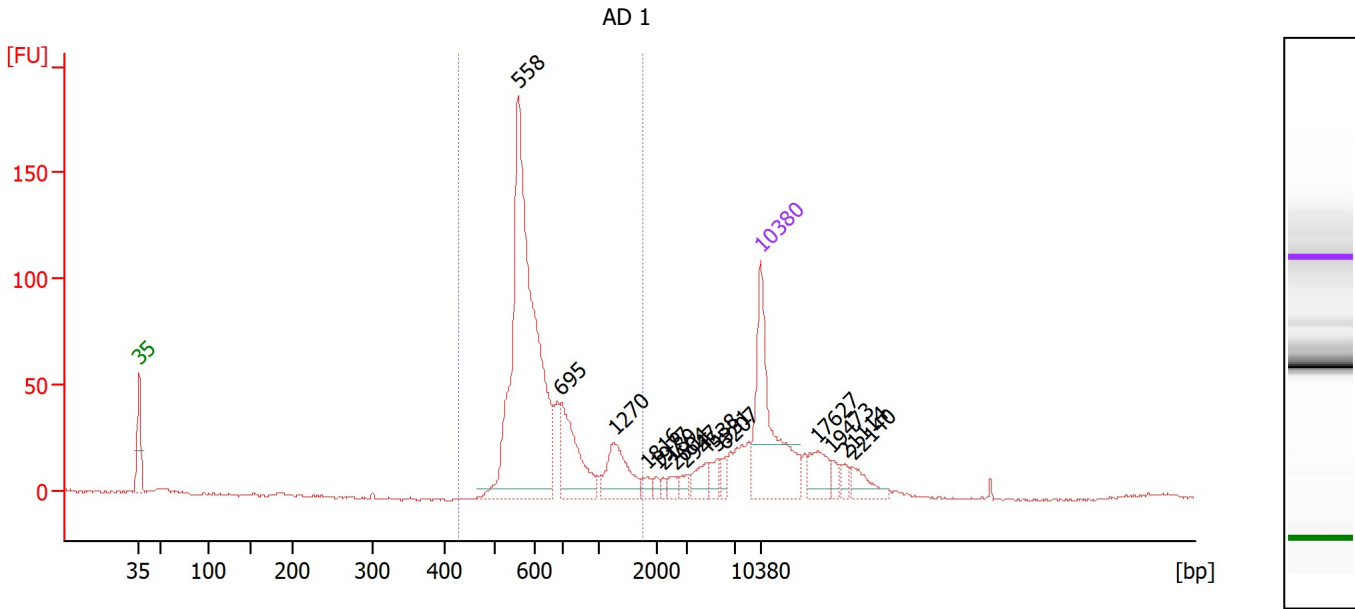
**Region table for sample 8 : MR ITS 4**

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
98	1,000	574.2	61	366	44.2	522.64	2,918.6	■

Assay Class: High Sensitivity DNA Assay  
 Data Path: Z:\...\Bioanalyzer1\_High Sensitivity DNA Assay\_2020-10-21\_001.xad

Created: 10/21/2020 12:18:40 PM  
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**Electropherogram Summary Continued ...**



**Overall Results for sample 9 : AD 1**

Number of peaks found: 15      Corr. Area 1: 766.2  
 Noise: 0.5

**Peak table for sample 9 : AD 1**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	558	290.58	788.5	
3	695	54.51	118.8	
4	1,270	31.84	38.0	
5	1,816	5.26	4.4	
6	1,977	2.82	2.2	
7	2,189	2.82	2.0	
8	2,604	4.76	2.8	
9	2,947	4.56	2.3	
10	4,538	11.03	3.7	
11	5,531	6.93	1.9	
12	6,207	5.42	1.3	
13	10,380	75.00	10.9	Upper Marker
14	17,627	0.00	0.0	
15	19,473	0.00	0.0	
16	21,114	0.00	0.0	
17	22,140	0.00	0.0	

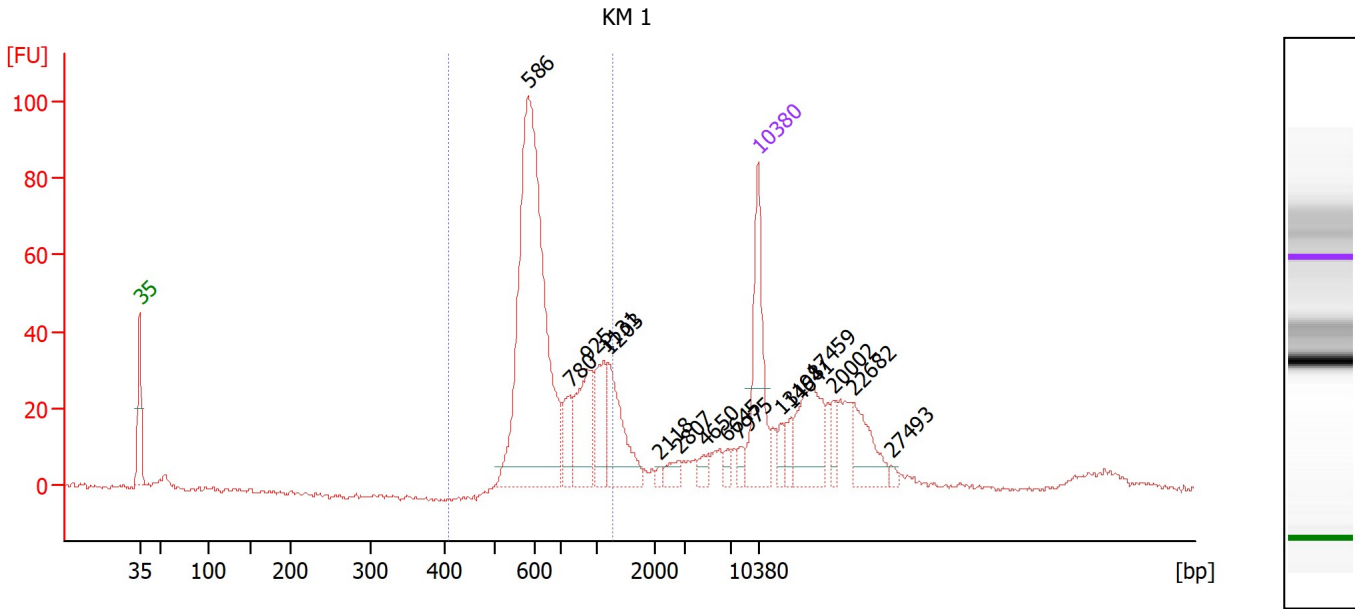
**Region table for sample 9 : AD 1**

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
428	1,746	766.2	74	688	35.1	372.43	894.1	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: Z:\...\Bioanalyzer1\_High Sensitivity DNA Assay\_2020-10-21\_001.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 10 : KM 1**

Number of peaks found: 16                      Corr. Area 1: 532.6  
 Noise: 0.7

**Peak table for sample 10 : KM 1**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	586	401.03	1,036.8	
3	780	31.10	60.4	
4	925	64.26	105.2	
5	1,131	45.86	61.4	
6	1,203	62.94	79.3	
7	2,118	3.36	2.4	
8	2,807	9.81	5.3	
9	4,650	7.46	2.4	
10	6,645	6.39	1.5	
11	7,975	6.54	1.2	
12	10,380	75.00	10.9	Upper Marker
13	13,198	0.00	0.0	
14	14,641	0.00	0.0	
15	17,459	0.00	0.0	
16	20,002	0.00	0.0	
17	22,682	0.00	0.0	
18	27,493	0.00	0.0	

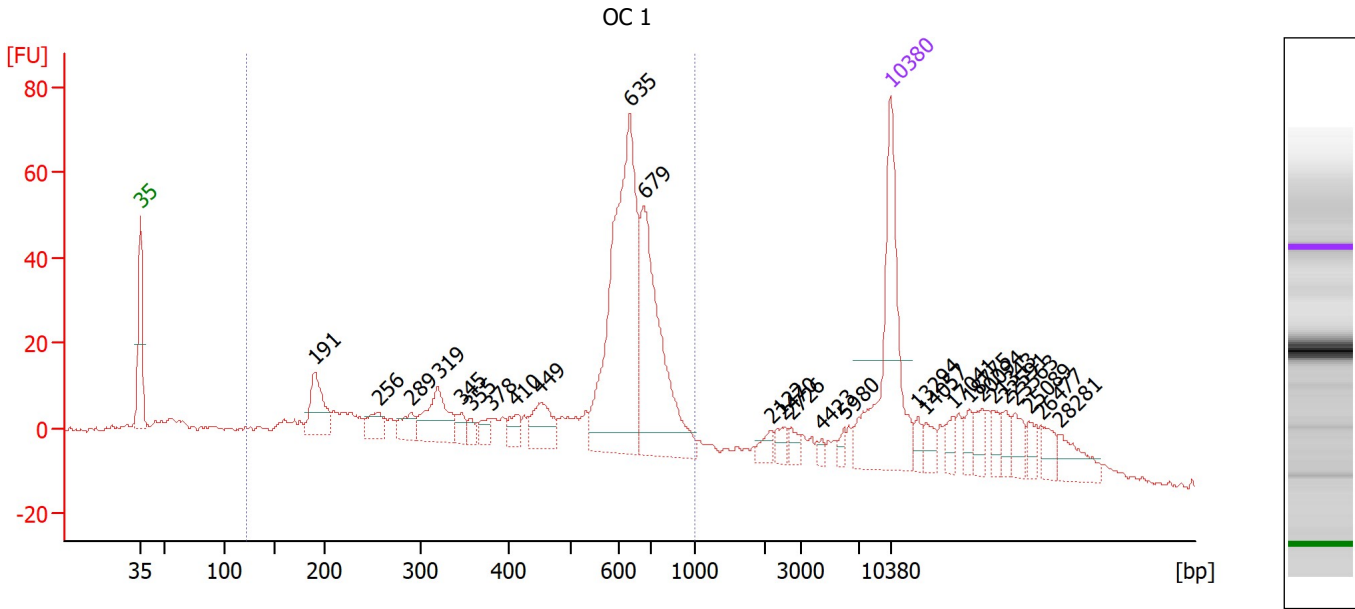
**Region table for sample 10 : KM 1**

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
411	1,281	532.6	60	718	27.0	566.05	1,278.9	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: Z:\...\Bioanalyzer1\_High Sensitivity DNA Assay\_2020-10-21\_001.xad

Created: 10/21/2020 12:18:40 PM  
 Modified: 10/21/2020 1:01:23 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 11 : OC 1**

Number of peaks found: 27                      Corr. Area 1: 694.2  
 Noise: 0.6

**Peak table for sample 11 : OC 1**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	191	34.18	271.5	
3	256	13.22	78.3	
4	289	12.35	64.9	
5	319	34.88	165.8	
6	345	7.74	33.9	
7	355	5.21	22.2	
8	378	7.31	29.3	
9	410	9.34	34.5	
10	449	23.18	78.2	
11	635	171.31	408.8	
12	679	108.42	242.1	
13	2,122	5.40	3.9	
14	2,470	5.60	3.4	
15	2,726	4.46	2.5	
16	4,423	2.70	0.9	
17	5,980	3.40	0.9	
18	10,380	75.00	10.9	Upper Marker
19	13,294	0.00	0.0	
20	14,057	0.00	0.0	
21	17,041	0.00	0.0	
22	18,775	0.00	0.0	
23	20,094	0.00	0.0	
24	21,343	0.00	0.0	
25	22,591	0.00	0.0	
26	23,563	0.00	0.0	

Assay Class: High Sensitivity DNA Assay  
 Data Path: Z:\...\Bioanalyzer1\_High Sensitivity DNA Assay\_2020-10-21\_001.xad

Created: 10/21/2020 12:18:40 PM  
 Modified: 10/21/2020 1:01:23 PM

**Electropherogram Summary Continued ...**

**... Peak table for sample 11 : OC 1**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	25,089	0.00	0.0	
28	26,477	0.00	0.0	
29	28,281	0.00	0.0	

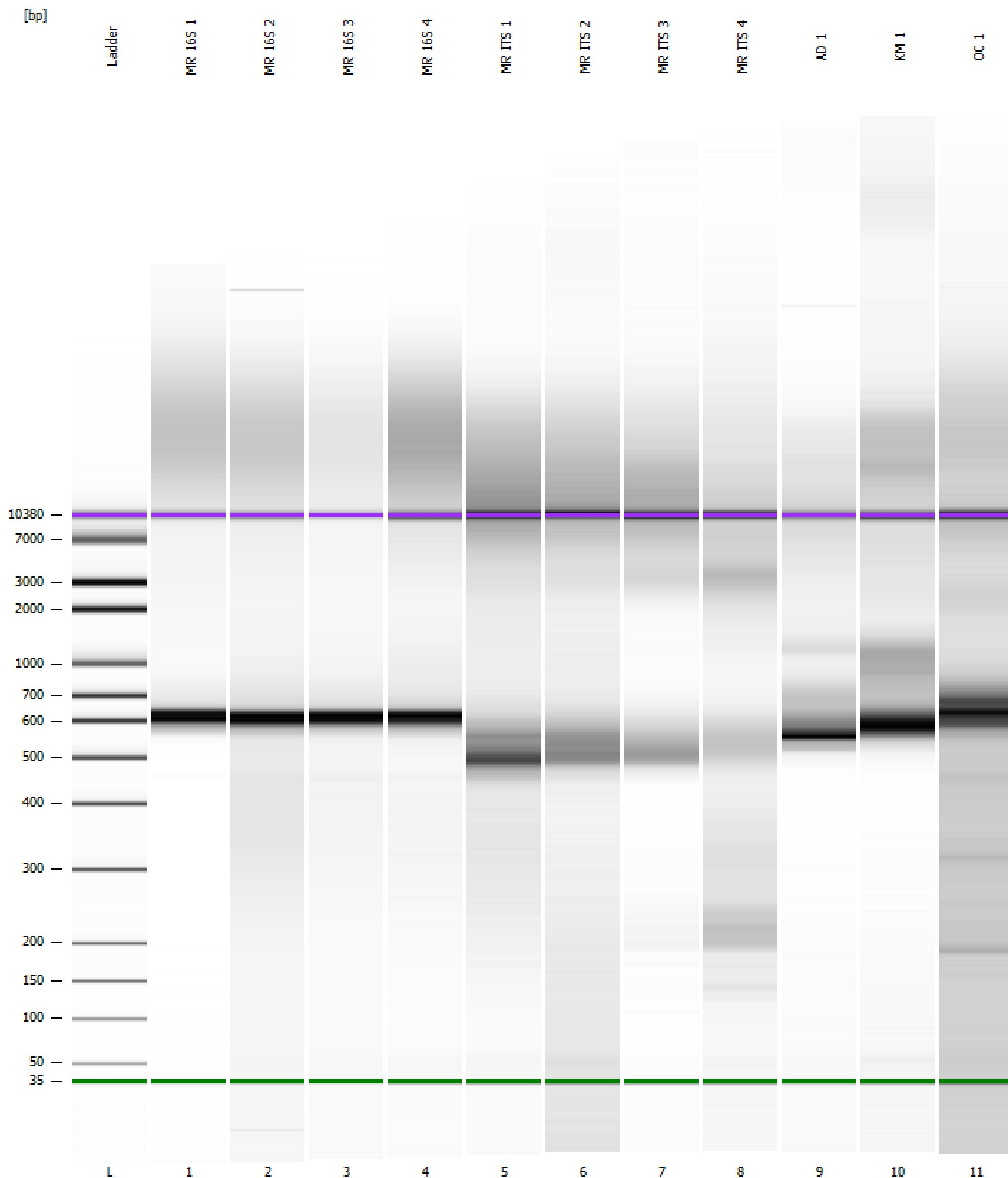
**Region table for sample 11 : OC 1**

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
122	1,000	694.2	69	529	36.2	581.03	2,329.6	

Assay Class: High Sensitivity DNA Assay  
Data Path: Z:\...\Bioanalyzer1\_High Sensitivity DNA Assay\_2020-10-21\_001.xad

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Modified: 10/21/2020 1:01:23 PM

Gel Image



Assay Class: High Sensitivity DNA Assay  
 Data Path: Z:\...\Bioanalyzer1\_High Sensitivity DNA Assay\_2020-10-21\_001.xad

Created: 10/21/2020 12:18:40 PM  
 Modified: 10/21/2020 1:01:23 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		10/21/2020 1:00:02 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: Z:\XADs\2020-10-21\Bioanalyzer1_High Sensitivity DNA Assay_2020-10-21_001.xad)		Instrument	Run		10/21/2020 12:18:46 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		10/21/2020 12:18:46 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		10/21/2020 12:18:46 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		10/21/2020 12:18:46 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		10/21/2020 12:18:46 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		10/21/2020 12:18:46 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		10/21/2020 12:18:46 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB