

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-30\2015-04-30\_004.xad

Created: 4/30/2015 12:15:33 PM  
Modified: 4/30/2015 1:08:07 PM

**Electrophoresis File Run Summary**

Instrument Information:

Instrument Name: DE13701086                      Firmware: C.01.069  
Serial#: DE13701086                              Type: G2938B

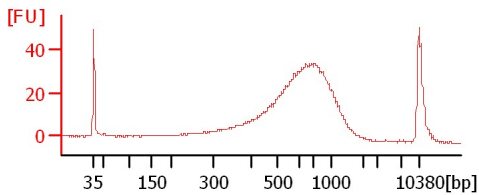
Assay Information:

Assay Origin Path: C:\Program Files\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

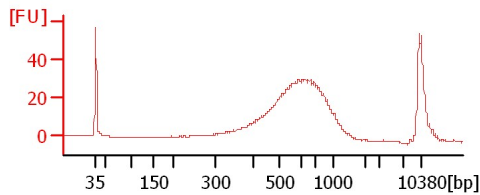
Chip Information:

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

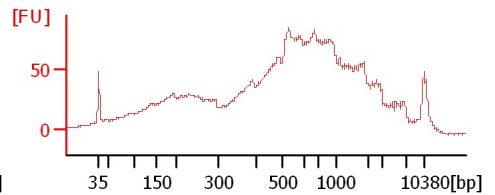
**Bob70 1st sonication**



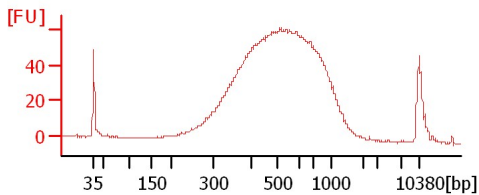
**CBS130339 1st sonication**



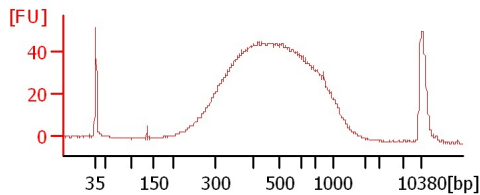
**NRRL54795 1st sonication**



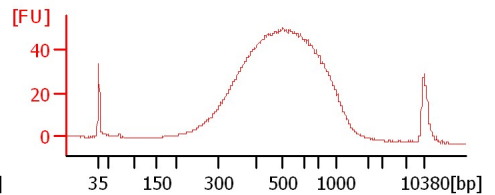
**Bob70 2nd sonication**



**CBS130339 2nd sonication**



**NRRL54795 2nd sonication**



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

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
Bob70 1st sonication		<input type="checkbox"/>	✓			
CBS130339 1st sonication		<input type="checkbox"/>	✓			
NRRL54795 1st sonication		<input type="checkbox"/>	✓			
Bob70 2nd sonication		<input type="checkbox"/>	✓			
CBS130339 2nd sonication		<input type="checkbox"/>	✓			
NRRL54795 2nd sonication		<input type="checkbox"/>	✓			
sample 7		<input type="checkbox"/>				
sample 8		<input type="checkbox"/>				
sample 9		<input type="checkbox"/>				
sample 10		<input type="checkbox"/>				
sample 11		<input type="checkbox"/>				
Ladder		<input type="checkbox"/>	✓			

**Chip Lot #**

**Reagent Kit Lot #**

**Chip Comments :**

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**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

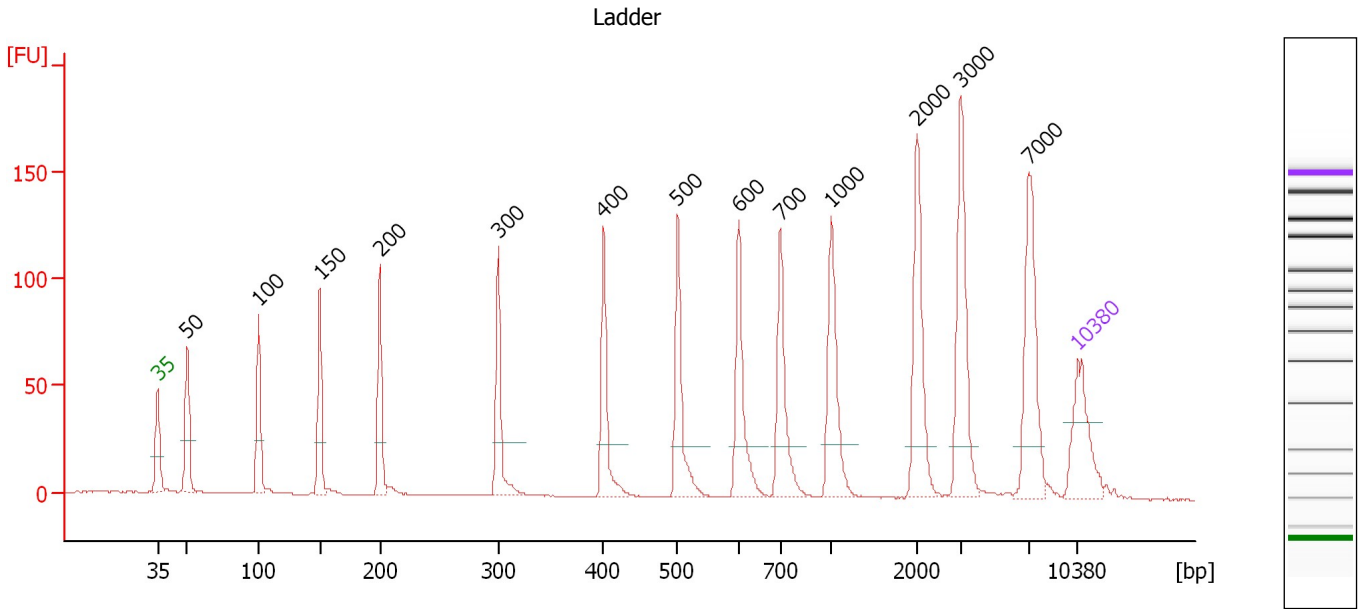
**Ladder**

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

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**Electropherogram Summary**



**Overall Results for Ladder**

Noise: 0.1

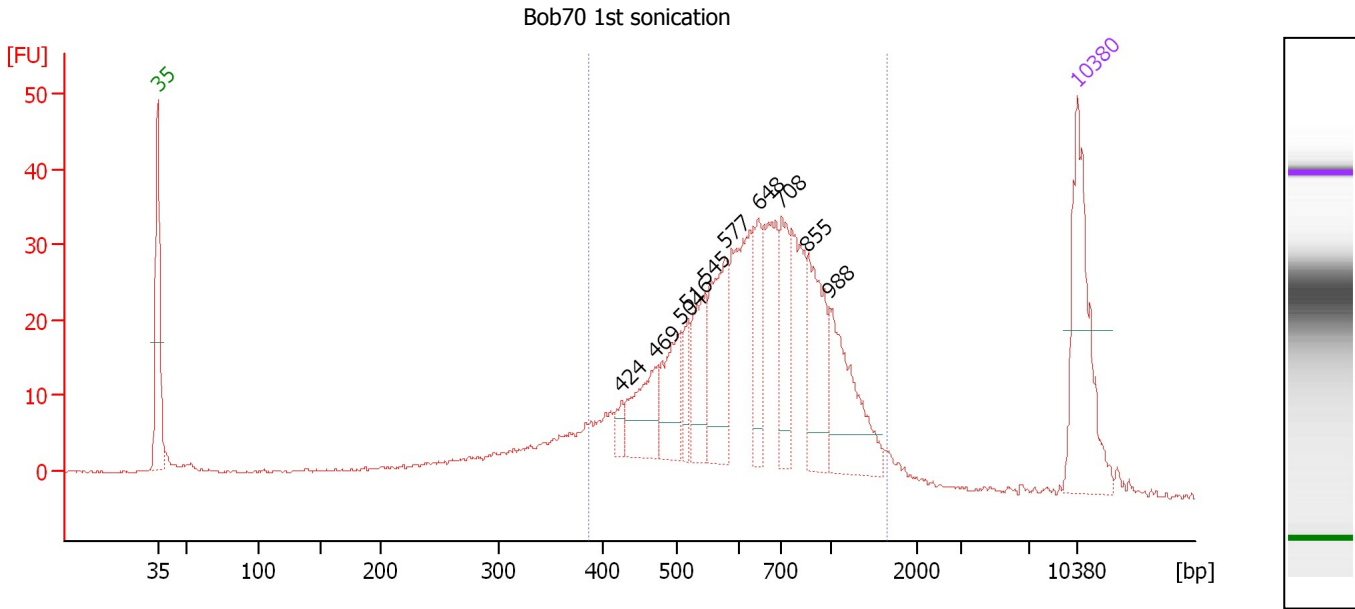
**Peak table for Ladder**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	50	150.00	4,545.5	Ladder Peak	45.25
3	100	150.00	2,272.7	Ladder Peak	50.71
4	150	150.00	1,515.2	Ladder Peak	55.35
5	200	150.00	1,136.4	Ladder Peak	59.90
6	300	150.00	757.6	Ladder Peak	68.92
7	400	150.00	568.2	Ladder Peak	76.94
8	500	150.00	454.5	Ladder Peak	82.58
9	600	150.00	378.8	Ladder Peak	87.22
10	700	150.00	324.7	Ladder Peak	90.37
11	1,000	150.00	227.3	Ladder Peak	94.25
12	2,000	150.00	113.6	Ladder Peak	100.78
13	3,000	150.00	75.8	Ladder Peak	104.12
14	7,000	150.00	32.5	Ladder Peak	109.30
15	10,380	75.00	10.9	Upper Marker	113.00

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**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : Bob70 1st sonication**

Number of peaks found: 10                      Corr. Area 1: 581.4  
 Noise: 0.2

**Peak table for sample 1 : Bob70 1st sonication**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	424	10.03	35.9		78.27
3	469	46.96	151.6		80.85
4	504	45.55	137.0		82.75
5	516	19.40	56.9		83.34
6	545	47.59	132.4		84.65
7	577	68.20	179.1		86.14
8	648	37.61	88.0		88.72
9	708	44.87	96.0		90.48
10	855	64.49	114.2		92.38
11	988	68.40	104.9		94.10
12	10,380	75.00	10.9	Upper Marker	113.00

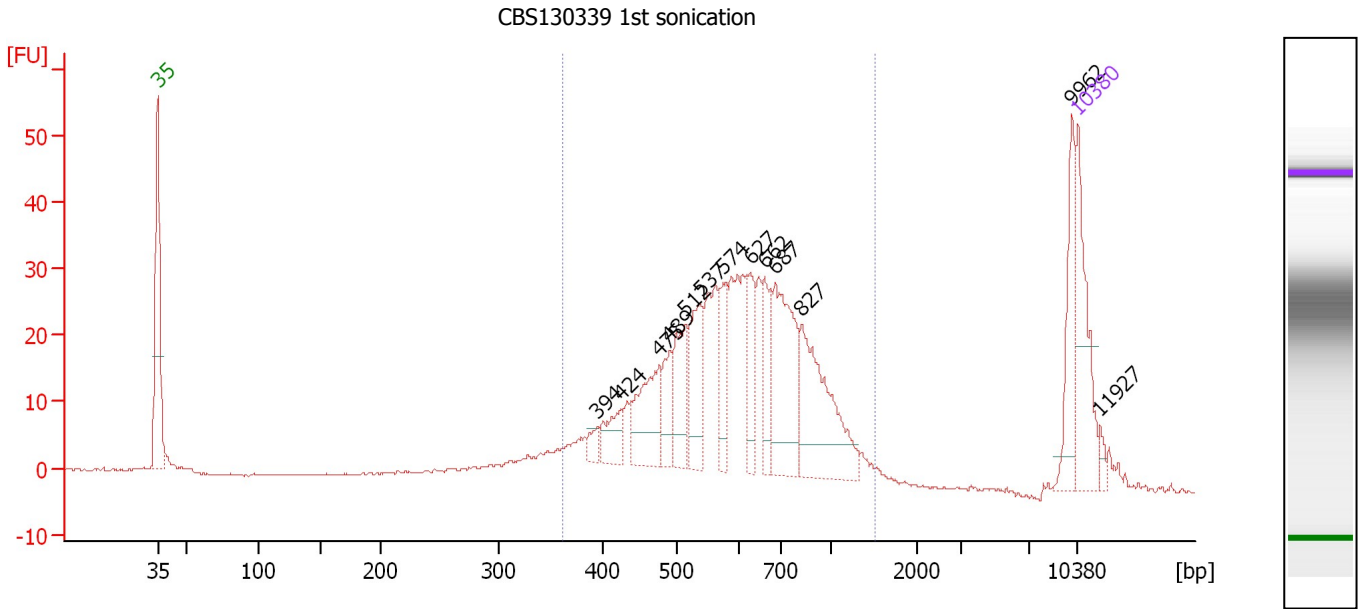
**Region table for sample 1 : Bob70 1st sonication**

From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Color
387	704	1,649	581.4	1,937.3	81	34.9	795.04	Blue

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**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : CBS130339 1st sonication**

Number of peaks found: 13                      Corr. Area 1: 514.9  
 Noise: 0.2

**Peak table for sample 2 : CBS130339 1st sonication**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	394	13.89	53.4		76.47
3	424	34.57	123.5		78.30
4	475	78.50	250.3		81.18
5	489	38.10	118.1		81.95
6	512	65.40	193.4		83.14
7	537	71.51	201.8		84.29
8	574	41.68	110.0		86.02
9	627	45.80	110.6		88.08
10	662	50.49	115.5		89.18
11	687	129.23	285.1		89.96
12	827	135.58	248.4		92.01
13	9,962	57.26	8.7		112.54
14	10,380	75.00	10.9	Upper Marker	113.00
15	11,927	0.00	0.0		114.69

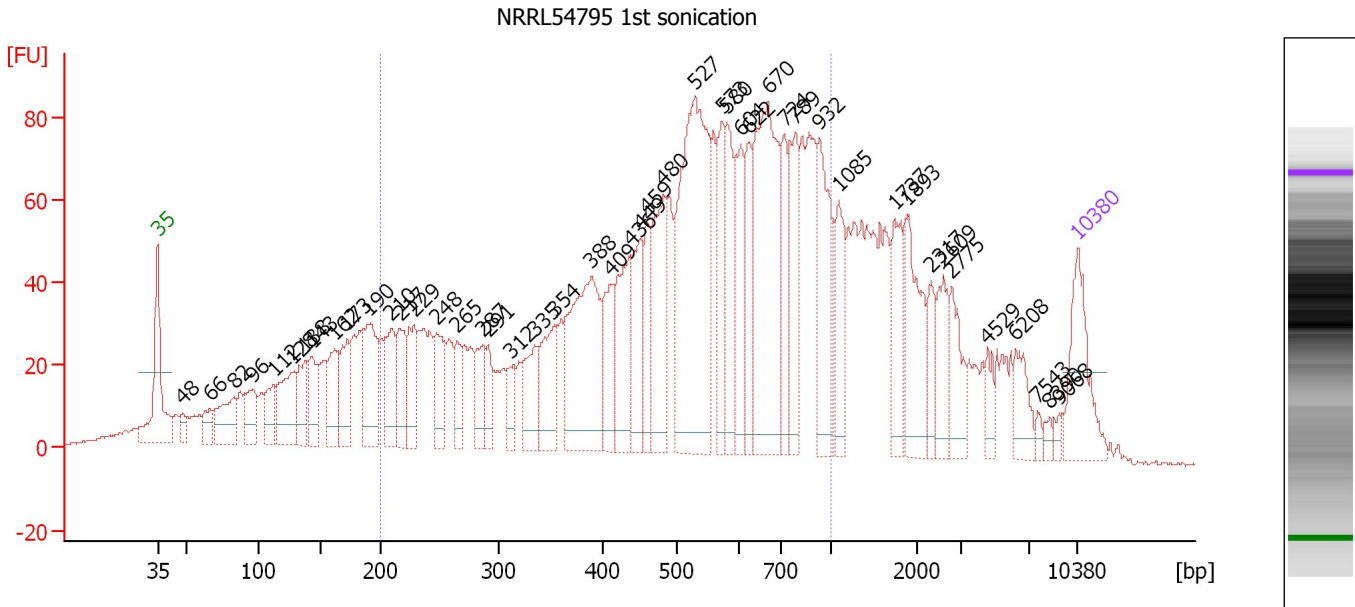
**Region table for sample 2 : CBS130339 1st sonication**

From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Color
361	637	1,519	514.9	2,821.0	85	30.5	1,074.92	Blue

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**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : NRRL54795 1st sonication**

Number of peaks found: 47                      Corr. Area 1: 2,153.3  
 Noise: 0.2

**Peak table for sample 3 : NRRL54795 1st sonication**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	48	20.85	663.2		44.90
3	66	31.37	721.9		46.98
4	82	77.18	1,419.3		48.79
5	96	55.62	882.0		50.22
6	112	48.61	656.3		51.84
7	128	95.87	1,133.3		53.32
8	138	67.69	742.4		54.25
9	143	60.20	637.3		54.71
10	162	72.68	678.4		56.47
11	173	71.60	627.1		57.44
12	190	109.61	872.8		59.02
13	210	76.07	549.6		60.78
14	217	68.12	475.9		61.43
15	229	70.66	468.1		62.49
16	248	67.42	411.5		64.25
17	265	44.70	255.9		65.73
18	287	49.53	261.2		67.77
19	291	34.68	180.4		68.14
20	312	31.19	151.6		69.85
21	335	61.80	279.8		71.70
22	354	84.58	362.3		73.23
23	388	217.36	848.0		76.01
24	409	70.52	261.3		77.44
25	436	105.41	366.3		78.97

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**Electropherogram Summary Continued ...**

**... Peak table for sample 3 : NRRL54795 1st sonication**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	449	78.32	264.2		79.71
27	459	61.06	201.5		80.27
28	480	125.27	395.1		81.47
29	527	369.22	1,061.3		83.83
30	573	76.98	203.6		85.96
31	580	85.99	224.7		86.29
32	604	74.34	186.4		87.35
33	622	70.17	171.0		87.91
34	670	266.03	601.3		89.44
35	724	71.23	149.0		90.69
36	789	95.05	182.6		91.52
37	932	120.20	195.4		93.37
38	1,085	66.52	92.9		94.81
39	1,737	59.46	51.9		99.06
40	1,893	86.39	69.2		100.08
41	2,317	28.56	18.7		101.84
42	2,609	42.94	24.9		102.81
43	2,775	46.06	25.1		103.37
44	4,529	18.39	6.2		106.10
45	6,208	34.27	8.4		108.28
46	7,543	6.26	1.3		109.90
47	8,390	6.46	1.2		110.82
48	9,068	6.58	1.1		111.56
49	10,380	75.00	10.9	Upper Marker	113.00

**Region table for sample 3 : NRRL54795 1st sonication**

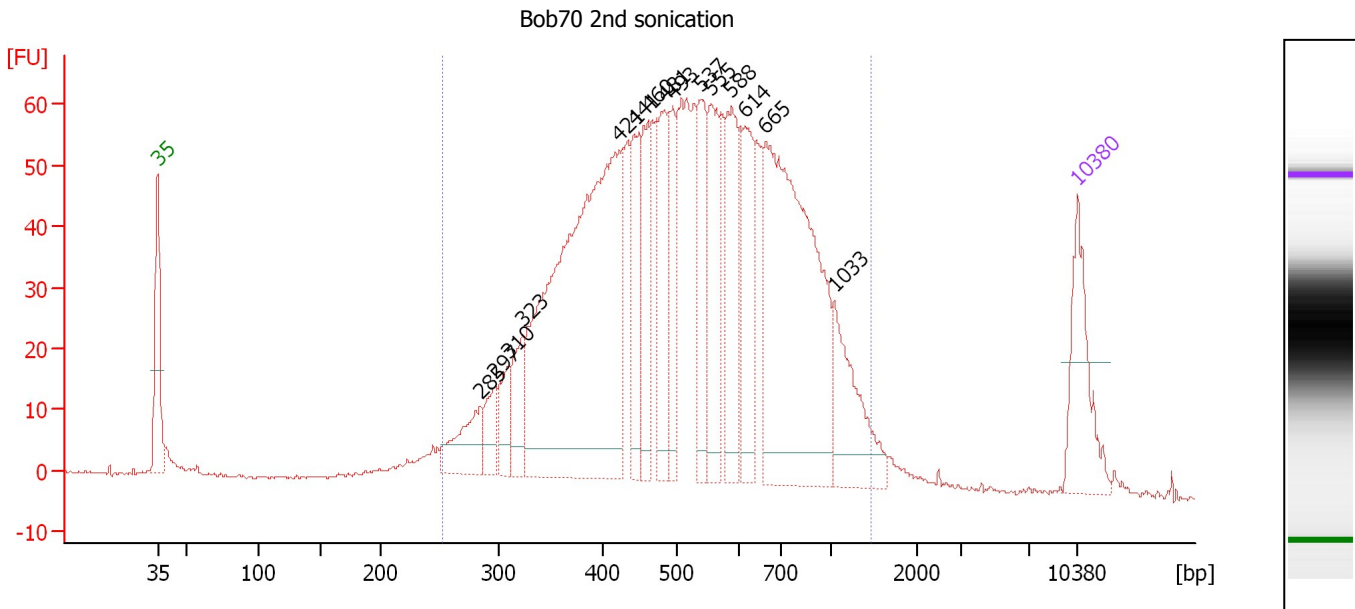
From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Color
200	527	1,000	2,153.3	11,494.4	64	37.1	3,142.68	<span style="color: blue;">■</span>



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**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : Bob70 2nd sonication**

Number of peaks found: 15                      Corr. Area 1: 1,681.4  
 Noise: 0.3

**Peak table for sample 4 : Bob70 2nd sonication**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	285	68.89	366.0		67.58
3	297	38.32	195.7		68.62
4	310	40.15	196.4		69.70
5	323	57.26	268.5		70.77
6	421	651.71	2,343.8		78.14
7	441	85.08	292.1		79.27
8	460	91.59	301.4		80.35
9	481	111.55	351.2		81.52
10	493	76.19	234.2		82.18
11	537	95.79	270.3		84.29
12	555	108.02	294.9		85.13
13	588	126.46	325.6		86.68
14	614	100.48	247.9		87.66
15	665	430.72	981.8		89.26
16	1,033	97.28	142.6		94.47
17	10,380	75.00	10.9	Upper Marker	113.00

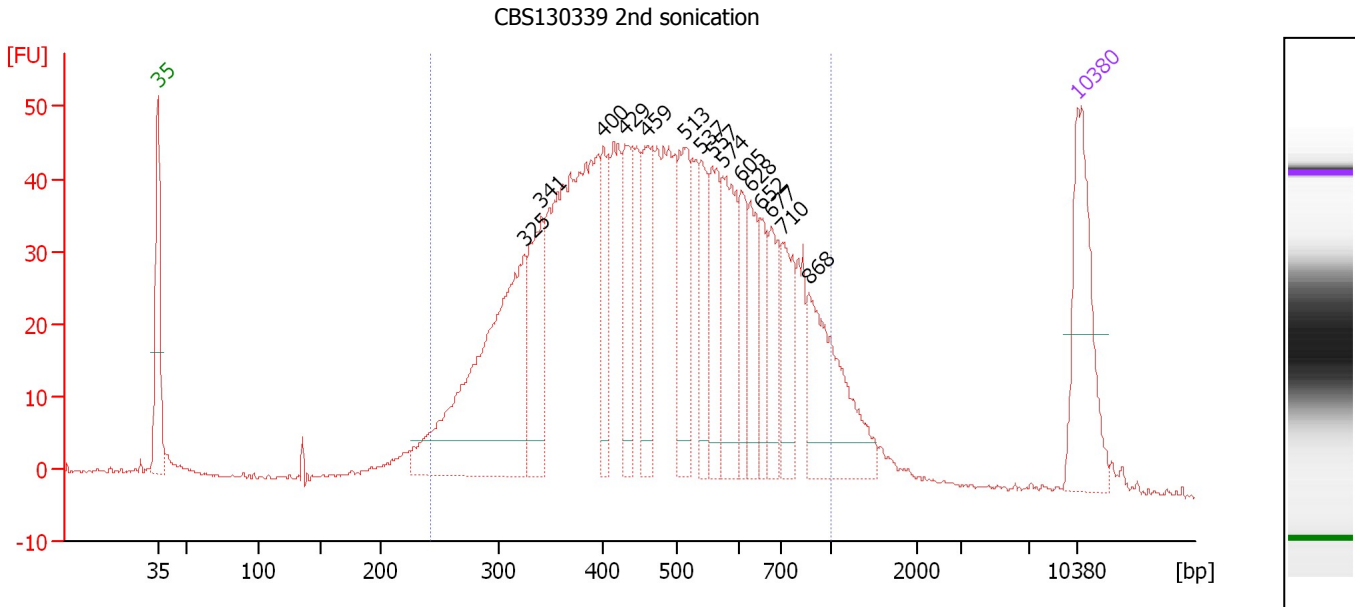
**Region table for sample 4 : Bob70 2nd sonication**

From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Color
254	558	1,470	1,681.4	8,651.5	95	38.1	2,709.04	Blue

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**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : CBS130339 2nd sonication**

Number of peaks found: 15      Corr. Area 1: 1,349.5  
 Noise: 0.2

**Peak table for sample 5 : CBS130339 2nd sonication**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	325	278.21	1,298.4		70.90
3	341	89.22	396.2		72.22
4	400	56.09	212.7		76.91
5	429	67.14	237.2		78.57
6	459	69.07	227.9		80.27
7	513	78.29	231.4		83.16
8	537	47.14	133.0		84.30
9	557	60.01	163.4		85.20
10	574	75.33	198.9		86.00
11	605	36.20	90.7		87.38
12	628	46.71	112.8		88.09
13	652	30.50	70.9		88.85
14	677	42.73	95.6		89.65
15	710	46.02	98.2		90.50
16	868	101.23	176.8		92.54
17	10,380	75.00	10.9	Upper Marker	113.00

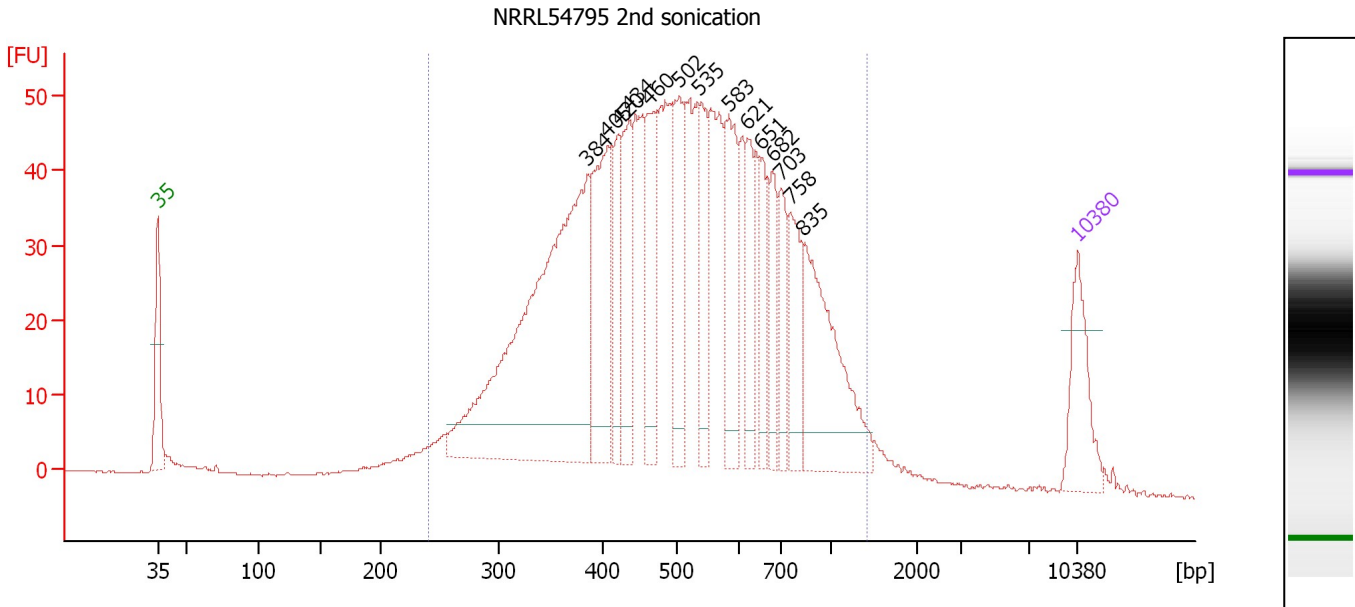
**Region table for sample 5 : CBS130339 2nd sonication**

From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Color
243	492	1,000	1,349.5	6,314.0	93	32.5	1,788.23	Blue

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**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : NRRL54795 2nd sonication**

Number of peaks found: 14                      Corr. Area 1: 1,381.3  
 Noise: 0.2

**Peak table for sample 6 : NRRL54795 2nd sonication**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	384	705.11	2,781.0		75.67
3	405	214.87	803.3		77.24
4	420	86.97	314.0		78.05
5	434	117.02	408.5		78.86
6	460	119.77	394.4		80.33
7	502	134.39	405.8		82.66
8	535	112.33	318.4		84.18
9	583	140.37	365.0		86.42
10	621	76.16	185.7		87.89
11	651	66.27	154.1		88.84
12	682	63.32	140.8		89.79
13	703	68.56	147.8		90.41
14	758	88.06	176.0		91.13
15	835	224.13	406.5		92.12
16	10,380	75.00	10.9	Upper Marker	113.00

**Region table for sample 6 : NRRL54795 2nd sonication**

From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Color
241	538	1,425	1,381.3	11,080.0	95	37.3	3,358.16	Blue

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**Gel Image**

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**Invalid Samples**

Sample 7 has not been run, no results available.

Sample 8 has not been run, no results available.

Sample 9 has not been run, no results available.

Sample 10 has not been run, no results available.

Sample 11 has not been run, no results available.