

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-02\2014-06-02_002.xad

Created: 6/2/2014 11:24:09 AM
Modified: 6/2/2014 11:56:29 AM

Electrophoresis File Run Summary

Instrument Information:

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

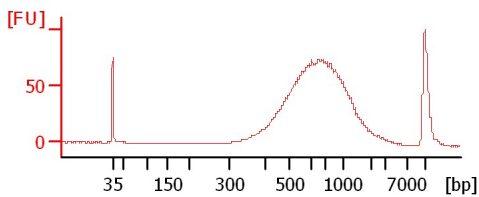
Assay Information:

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

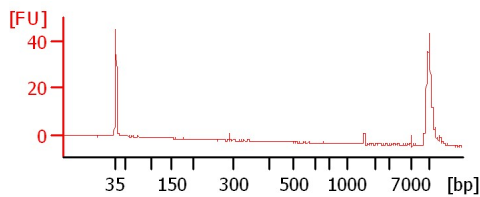
Chip Information:

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

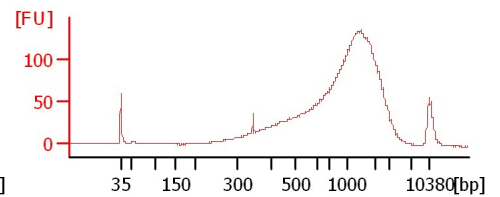
Fusarium 3 Mix Cleaned



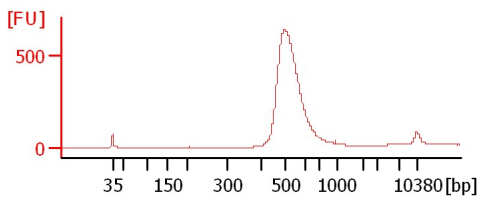
David 48 1:4



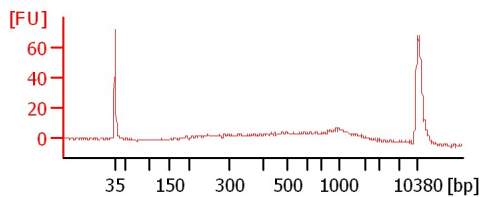
Corn 104 1:4



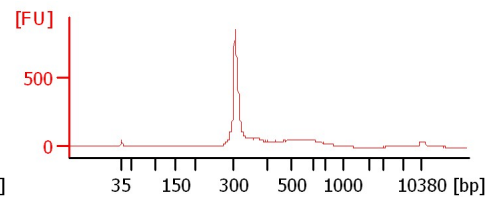
799F COM 1:4



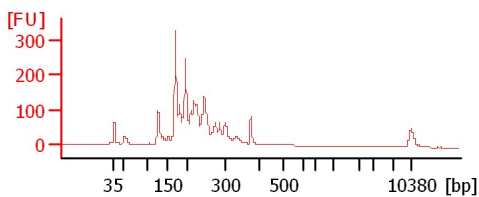
1ELib1 1:4



BGV4 1:20



BHITS 1:5



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Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
Fusarium 3 Mix Cleaned		<input type="checkbox"/>	✓			
David 48 1:4		<input type="checkbox"/>	✓			
Corn 104 1:4		<input type="checkbox"/>	✓			
799F COM 1:4		<input type="checkbox"/>	✓			
1ELib1 1:4		<input type="checkbox"/>	✓			
BGV4 1:20		<input type="checkbox"/>	✓			
BHITS 1:5		<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

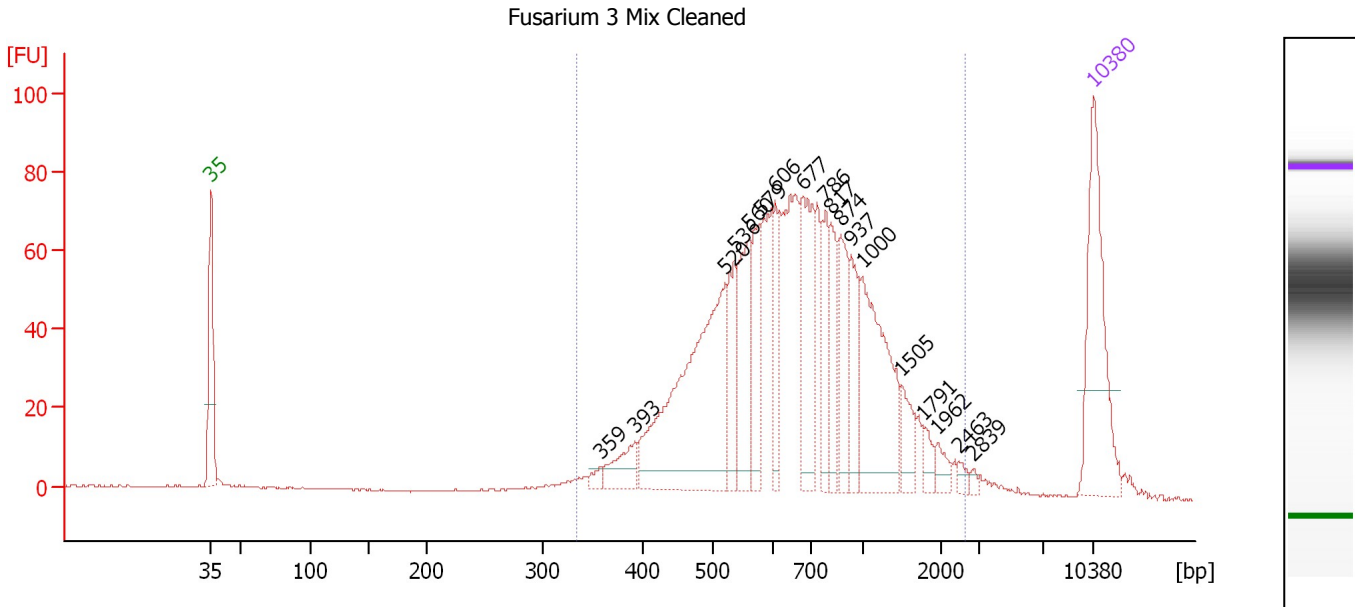
Ladder

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 sample 1 : Fusarium 3 Mix Cleaned

Number of peaks found: 18 Corr. Area 1: 1,406.5
 Noise: 0.2

Peak table for sample 1 : Fusarium 3 Mix Cleaned

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	359	5.96	25.2	
3	393	24.81	95.7	
4	520	206.30	601.0	
5	536	42.06	118.8	
6	560	63.60	172.0	
7	579	42.24	110.5	
8	606	33.82	84.5	
9	677	74.94	167.8	
10	786	36.12	69.6	
11	817	33.95	62.9	
12	874	41.58	72.1	
13	937	34.59	55.9	
14	1,000	97.76	148.1	
15	1,505	18.99	19.1	
16	1,791	8.22	7.0	
17	1,962	8.21	6.3	
18	2,463	3.65	2.2	
19	2,839	2.20	1.2	
20	10,380	75.00	10.9	Upper Marker

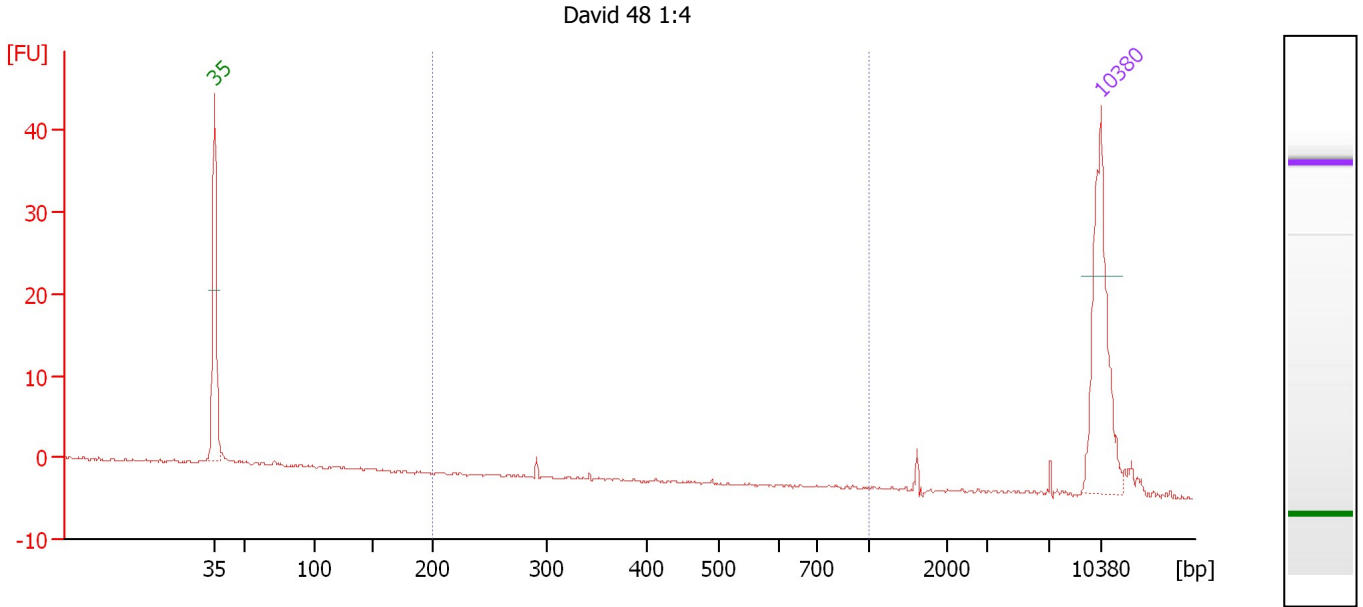
Region table for sample 1 : Fusarium 3 Mix Cleaned

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
334	2,608	774	2,434.1	1,017.91	1,406.5	97	48.5

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Electropherogram Summary Continued ...



Overall Results for sample 2 : David 48 1:4

Number of peaks found: 0 Corr. Area 1: 0.6
 Noise: 0.2

Peak table for sample 2 : David 48 1:4

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	10,380	75.00	10.9	Upper Marker

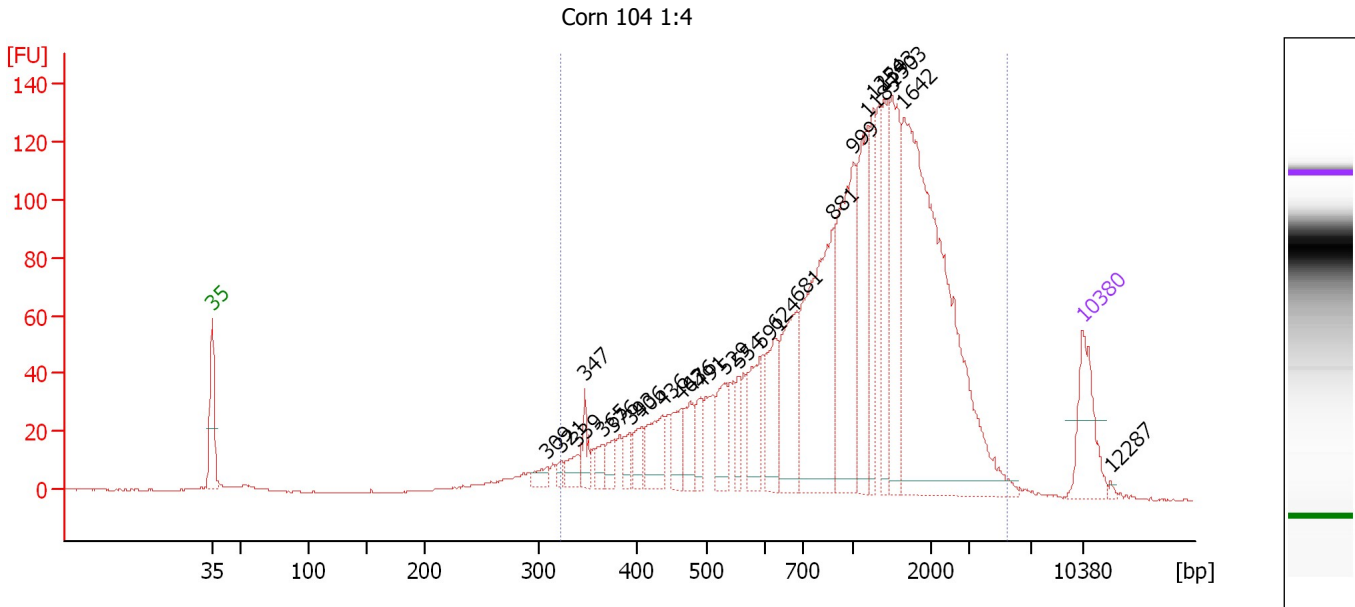
Region table for sample 2 : David 48 1:4

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
200	1,000	300	7.4	1.44	0.6	5	9.9

Assay Class: High Sensitivity DNA Assay
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Electropherogram Summary Continued ...



Overall Results for sample 3 : Corn 104 1:4

Number of peaks found: 25 Corr. Area 1: 2,311.3
 Noise: 0.2

Peak table for sample 3 : Corn 104 1:4

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	309	18.94	92.8	
3	321	10.58	49.9	
4	339	30.86	138.0	
5	347	30.32	132.4	
6	365	22.32	92.7	
7	376	25.49	102.8	
8	393	22.50	86.7	
9	406	33.93	126.6	
10	436	70.45	244.8	
11	463	46.95	153.8	
12	476	47.93	152.7	
13	491	34.56	106.6	
14	529	60.24	172.5	
15	554	34.00	93.1	
16	591	77.78	199.5	
17	624	79.99	194.4	
18	681	141.52	314.8	
19	881	285.91	491.8	
20	999	227.26	344.6	
21	1,185	137.96	176.4	
22	1,254	86.44	104.4	
23	1,393	101.08	110.0	
24	1,503	142.77	143.9	
25	1,642	611.07	564.0	
26	10,380	75.00	10.9	Upper Marker


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Electropherogram Summary Continued ...**... Peak table for sample 3 : Corn 104 1:4**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	12,287	0.00	0.0	

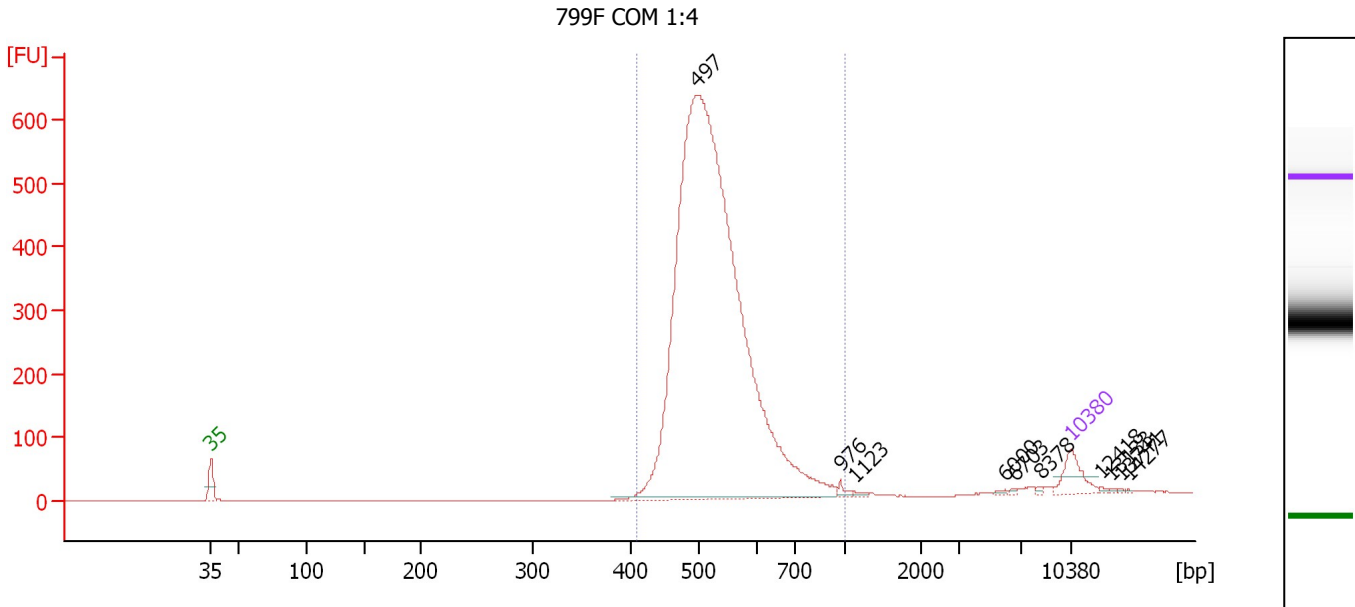
Region table for sample 3 : Corn 104 1:4

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
322	5,367	1,246	5,200.1	2,719.44	 2,311.3	95	62.0

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 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-02\2014-06-02_002.xad

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Electropherogram Summary Continued ...



Overall Results for sample 4 : 799F COM 1:4

Number of peaks found: 10 Corr. Area 1: 4,619.9
 Noise: 0.2

Peak table for sample 4 : 799F COM 1:4

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	497	4,477.96	13,663.8	
3	976	14.12	21.9	
4	1,123	7.41	10.0	
5	6,000	5.19	1.3	
6	6,703	4.43	1.0	
7	8,378	4.26	0.8	
8	10,380	75.00	10.9	Upper Marker
9	12,418	0.00	0.0	
10	13,133	0.00	0.0	
11	13,741	0.00	0.0	
12	14,277	0.00	0.0	

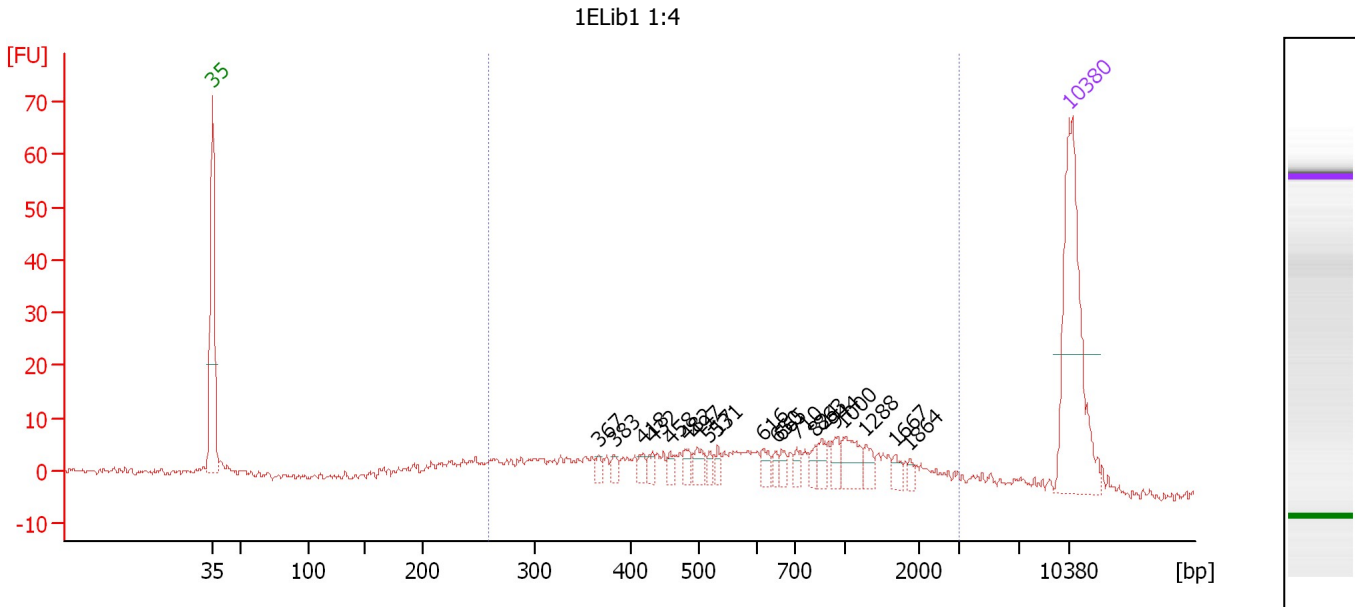
Region table for sample 4 : 799F COM 1:4

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
409	1,000	530	12,250.6	4,214.09	4,619.9	98	13.0

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Electropherogram Summary Continued ...



Overall Results for sample 5 : 1ELib1 1:4

Number of peaks found: 20 Corr. Area 1: 250.8
 Noise: 0.7

Peak table for sample 5 : 1ELib1 1:4

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	367	4.15	17.1	
3	383	4.58	18.1	
4	418	4.85	17.6	
5	432	4.88	17.1	
6	458	4.90	16.2	
7	482	5.88	18.5	
8	497	8.61	26.2	
9	517	4.04	11.8	
10	531	4.25	12.1	
11	616	6.40	15.7	
12	650	3.86	9.0	
13	665	4.90	11.2	
14	710	4.14	8.8	
15	824	5.76	10.6	
16	863	7.00	12.3	
17	944	6.35	10.2	
18	1,000	14.70	22.3	
19	1,288	6.20	7.3	
20	1,667	4.05	3.7	
21	1,864	2.32	1.9	
22	10,380	75.00	10.9	Upper Marker

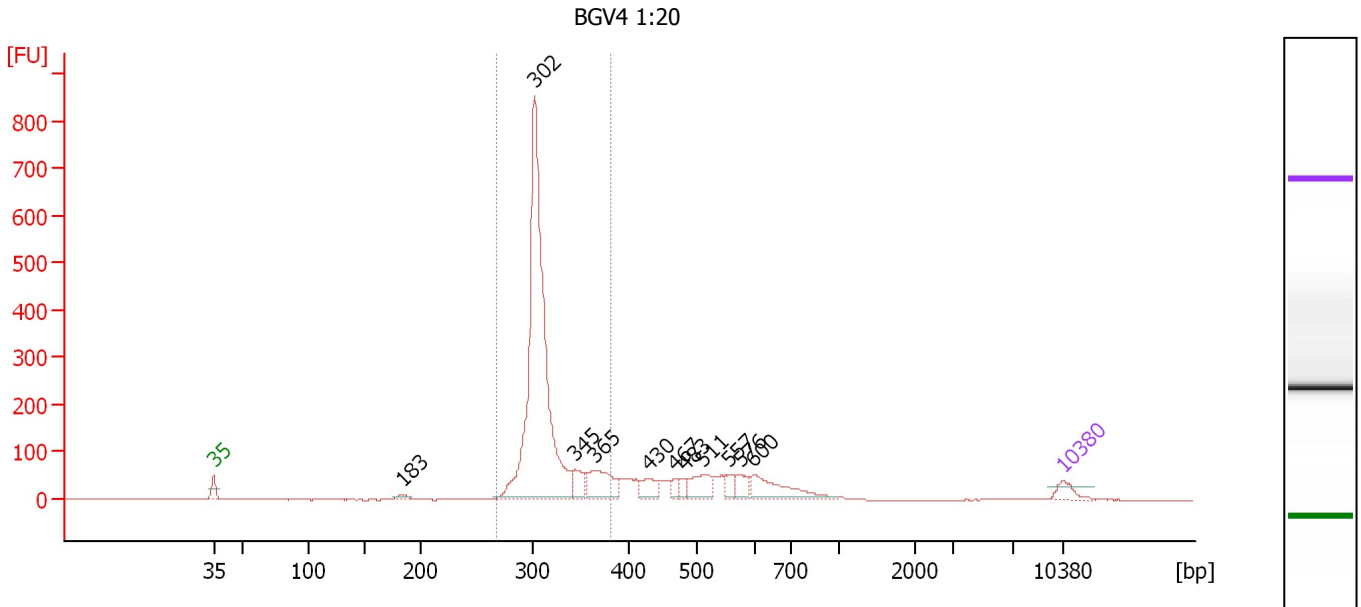
Region table for sample 5 : 1ELib1 1:4

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
259	3,096	820	700.4	237.18	250.8	81	69.9

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Electropherogram Summary Continued ...



Overall Results for sample 6 : BGV4 1:20

Number of peaks found: 11 Corr. Area 1: 2,120.8
 Noise: 0.5

Peak table for sample 6 : BGV4 1:20

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	183	26.98	223.4	
3	302	3,571.66	17,897.4	
4	345	162.13	711.8	
5	365	357.97	1,485.6	
6	430	142.78	503.3	
7	467	55.41	179.9	
8	483	73.42	230.3	
9	511	214.68	636.0	
10	557	77.05	209.6	
11	576	107.83	283.9	
12	600	308.94	780.6	
13	10,380	75.00	10.9	Upper Marker

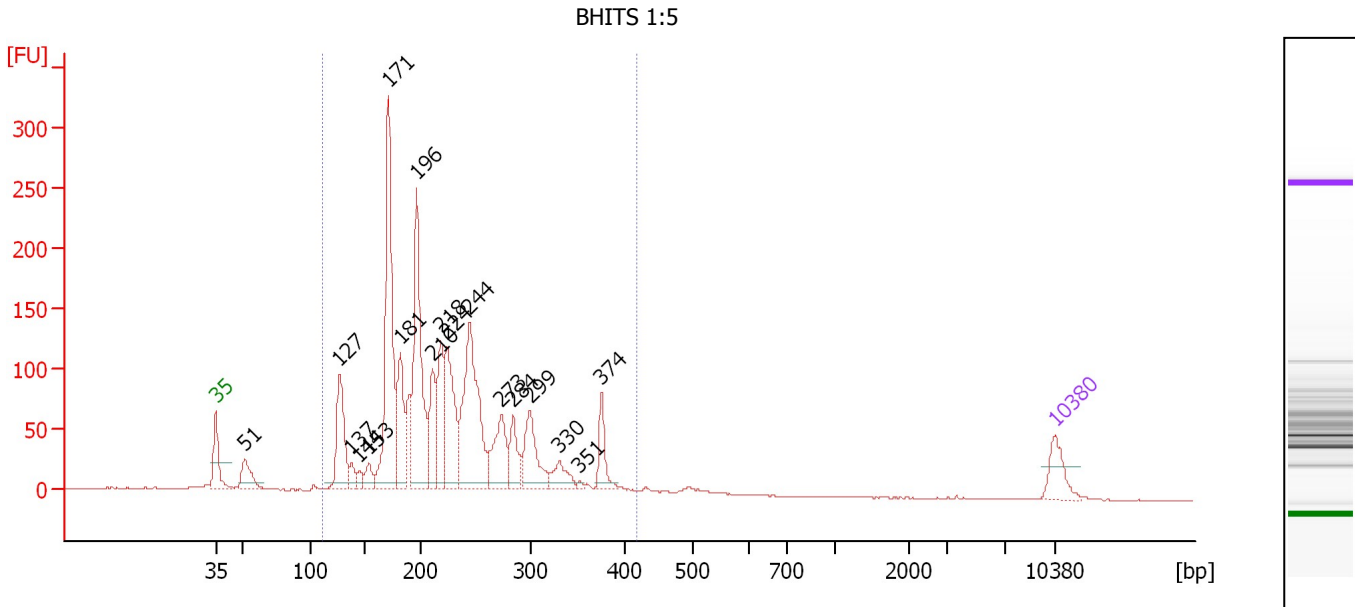
Region table for sample 6 : BGV4 1:20

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
269	382	314	19,551.0	4,038.37	2,120.8	69	7.0

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Electropherogram Summary Continued ...



Overall Results for sample 7 : BHITS 1:5

Number of peaks found: 18 Corr. Area 1: 2,346.5
 Noise: 0.3

Peak table for sample 7 : BHITS 1:5

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	51	115.20	3,430.3	
3	127	305.31	3,650.8	
4	137	43.44	479.6	
5	144	32.48	340.8	
6	153	57.50	569.4	
7	171	784.23	6,960.7	
8	181	249.75	2,088.0	
9	196	612.88	4,736.5	
10	210	190.36	1,372.8	
11	218	252.75	1,757.5	
12	224	345.70	2,341.1	
13	244	591.93	3,672.8	
14	273	213.79	1,186.9	
15	284	123.00	655.9	
16	299	205.57	1,040.9	
17	330	81.98	376.4	
18	351	9.27	40.0	
19	374	100.53	406.9	
20	10,380	75.00	10.9	Upper Marker

Region table for sample 7 : BHITS 1:5

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
112	417	225	33,988.0	4,592.99	2,346.4	94	26.7

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Gel Image

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Invalid Samples

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.