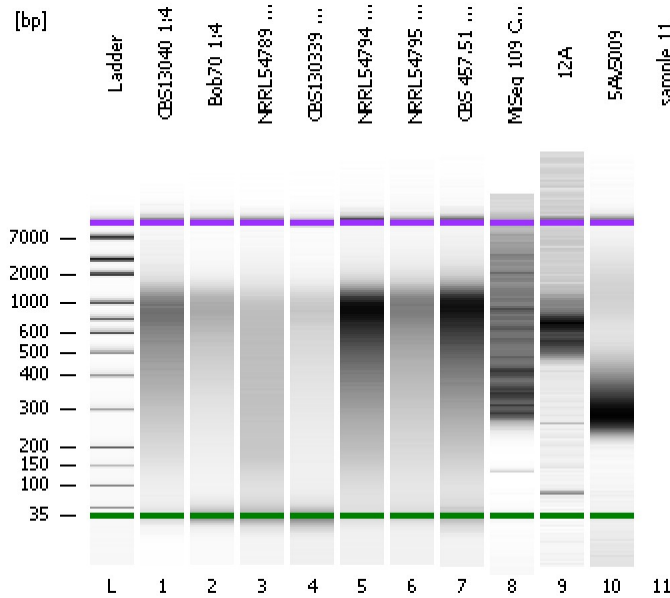


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-22\2015-04-22\_001.xad

Created: 4/22/2015 8:23:22 AM  
Modified: 4/22/2015 9:03:47 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

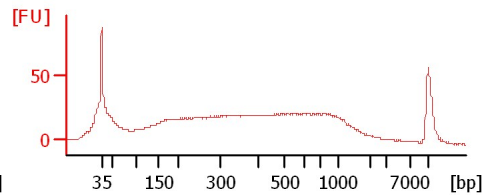
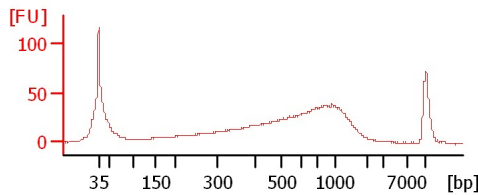
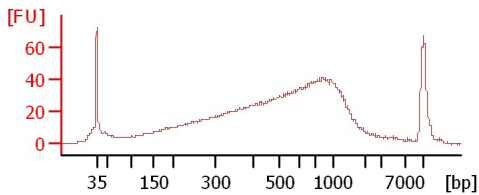
Chip Information:

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

**CBS13040 1:4**

**Bob70 1:4**

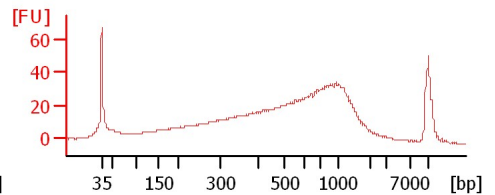
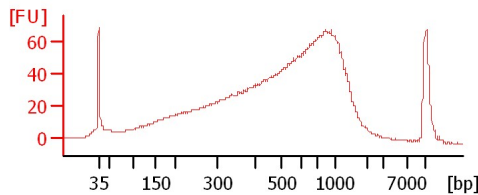
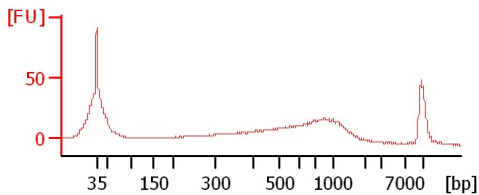
**NRRL54789 1:4**



**CBS130339 1:4**

**NRRL54794 1:4**

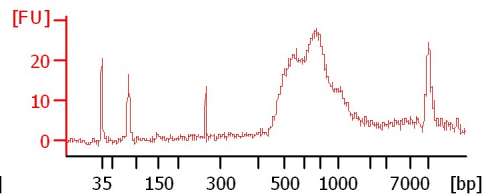
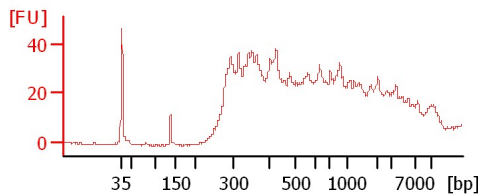
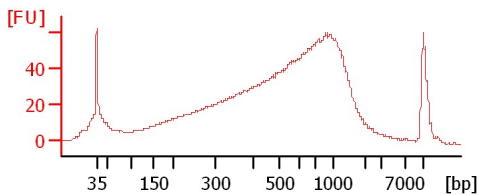
**NRRL54795 1:4**



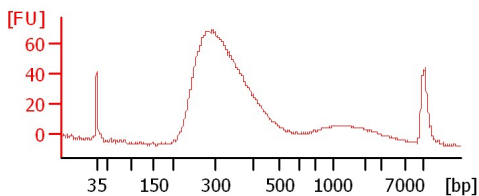
**CBS 457.51 1:4**

**MiSeq 109 Coffey\_X6 1:20**

**12A**



**5AVS009**



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-22\2015-04-22\_001.xad

Created: 4/22/2015 8:23:22 AM  
 Modified: 4/22/2015 9:03:47 AM

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

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
CBS13040 1:4		<input type="checkbox"/>	✓			
Bob70 1:4		<input type="checkbox"/>	✓			
NRRL54789 1:4		<input type="checkbox"/>	✓			
CBS130339 1:4		<input type="checkbox"/>	✓			
NRRL54794 1:4		<input type="checkbox"/>	✓			
NRRL54795 1:4		<input type="checkbox"/>	✓			
CBS 457.51 1:4		<input type="checkbox"/>	✓			
MiSeq 109 Coffey_X6 1:20		<input type="checkbox"/>	✓			
12A		<input type="checkbox"/>	✓			
5AVS009		<input type="checkbox"/>	✓			
sample 11		<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

**Chip Lot #**

**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-22\2015-04-22\_001.xad

Created: 4/22/2015 8:23:22 AM  
Modified: 4/22/2015 9:03:47 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

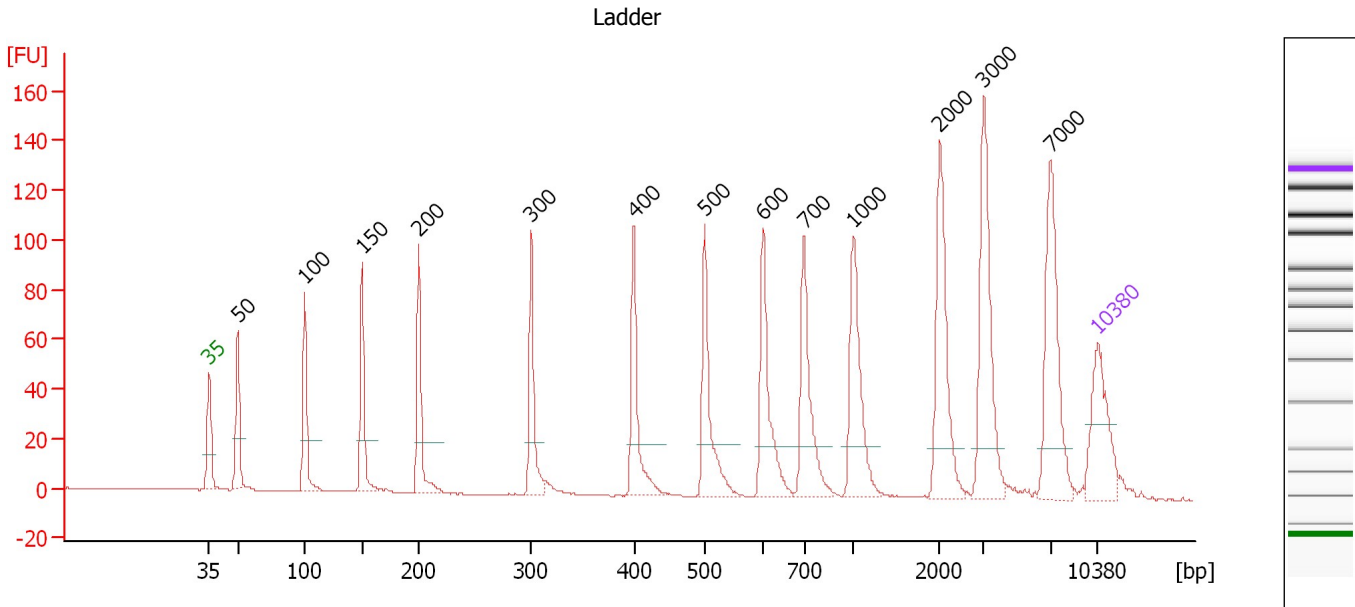
**Ladder**

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:\...ents and Settings\Bioanalyzer\2015-04-22\2015-04-22\_001.xad

Created: 4/22/2015 8:23:22 AM  
 Modified: 4/22/2015 9:03:47 AM

**Electropherogram Summary**



**Overall Results for Ladder**

Noise: 0.2

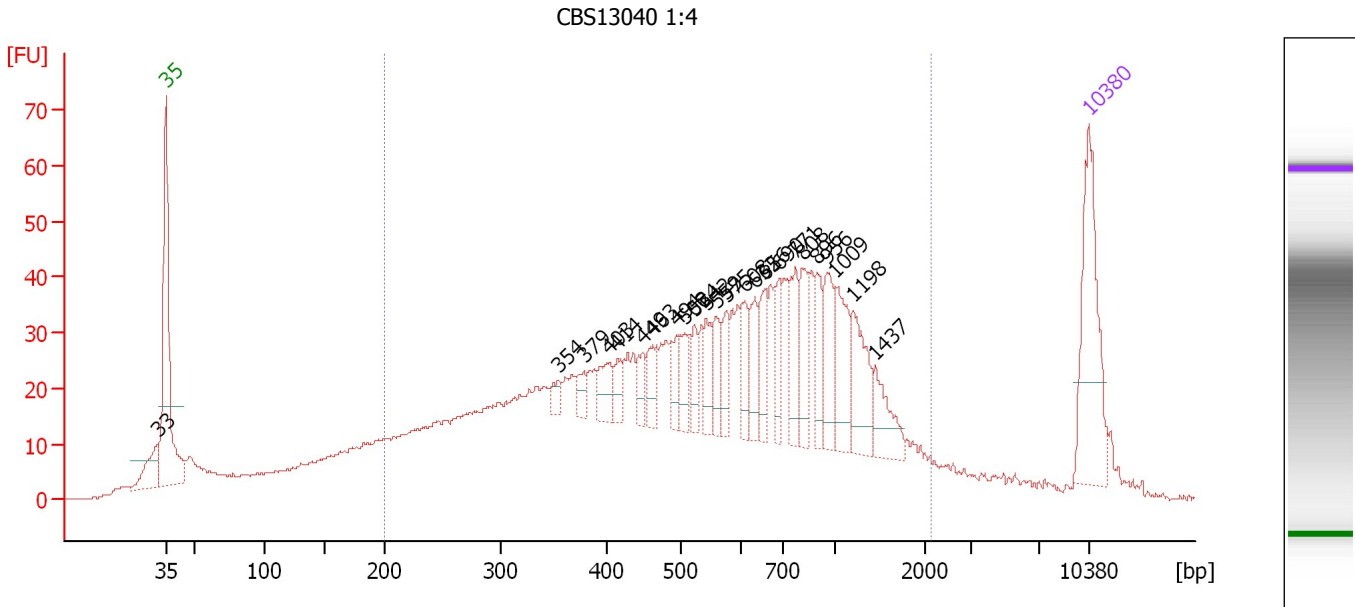
**Peak table for Ladder**

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	45.23
3	100	150.00	2,272.7	Ladder Peak	50.52
4	150	150.00	1,515.2	Ladder Peak	55.06
5	200	150.00	1,136.4	Ladder Peak	59.51
6	300	150.00	757.6	Ladder Peak	68.38
7	400	150.00	568.2	Ladder Peak	76.45
8	500	150.00	454.5	Ladder Peak	82.03
9	600	150.00	378.8	Ladder Peak	86.61
10	700	150.00	324.7	Ladder Peak	89.85
11	1,000	150.00	227.3	Ladder Peak	93.76
12	2,000	150.00	113.6	Ladder Peak	100.56
13	3,000	150.00	75.8	Ladder Peak	104.01
14	7,000	150.00	32.5	Ladder Peak	109.26
15	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-22\2015-04-22\_001.xad

Created: 4/22/2015 8:23:22 AM  
 Modified: 4/22/2015 9:03:47 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : CBS13040 1:4**

Number of peaks found: 24                      Corr. Area 1: 1,305.9  
 Noise: 0.1

**Peak table for sample 1 : CBS13040 1:4**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	33	0.00	0.0		42.36
2	35	125.00	5,411.3	Lower Marker	43.00
3	354	9.72	41.6		72.76
4	379	11.56	46.2		74.72
5	403	23.20	87.2		76.61
6	414	15.19	55.5		77.25
7	449	16.08	54.3		79.18
8	463	21.08	69.0		79.95
9	494	17.85	54.7		81.70
10	508	23.62	70.5		82.39
11	524	16.62	48.1		83.12
12	542	22.88	63.9		83.97
13	559	19.28	52.2		84.74
14	575	22.39	59.0		85.47
15	608	21.19	52.8		86.88
16	632	24.51	58.8		87.65
17	656	26.51	61.2		88.43
18	690	23.55	51.7		89.54
19	771	36.51	71.7		90.78
20	808	31.48	59.1		91.25
21	896	25.69	43.4		92.41
22	956	33.14	52.5		93.18
23	1,009	38.84	58.3		93.82
24	1,198	41.61	52.6		95.10
25	1,437	26.95	28.4		96.73


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-22\2015-04-22\_001.xad

Created: 4/22/2015 8:23:22 AM  
Modified: 4/22/2015 9:03:47 AM

**Electropherogram Summary Continued ...****... Peak table for sample 1 : CBS13040 1:4**

Peak	Size [bp]	Conc. [pg/ $\mu$ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	10,380	75.00	10.9	Upper Marker	113.00

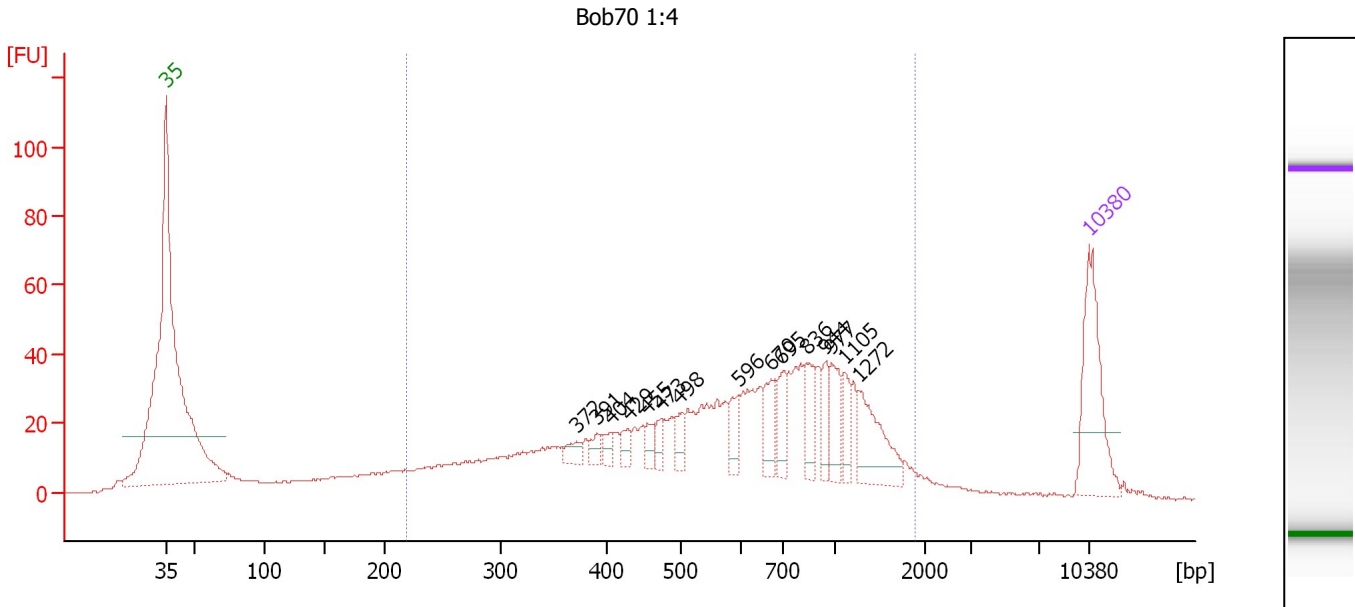
**Region table for sample 1 : CBS13040 1:4**

From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	% of Total	Size distribution in CV [%]	Conc. [pg/ $\mu$ l]	Color
200	650	2,139	1,305.9	5,850.6	81	57.8	1,704.84	

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-22\2015-04-22\_001.xad

Created: 4/22/2015 8:23:22 AM  
 Modified: 4/22/2015 9:03:47 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : Bob70 1:4**

Number of peaks found: 15                      Corr. Area 1: 1,021.7  
 Noise: 0.2

**Peak table for sample 2 : Bob70 1:4**

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	372	12.70	51.7		74.19
3	391	11.27	43.7		75.72
4	404	10.69	40.1		76.69
5	429	12.71	44.9		78.09
6	455	12.57	41.8		79.53
7	473	12.85	41.2		80.50
8	498	15.62	47.5		81.94
9	596	21.75	55.3		86.41
10	670	26.80	60.7		88.86
11	695	23.28	50.7		89.70
12	836	30.16	54.6		91.62
13	944	21.17	34.0		93.03
14	977	30.45	47.2		93.46
15	1,105	18.39	25.2		94.47
16	1,272	53.80	64.1		95.61
17	10,380	75.00	10.9	Upper Marker	113.00

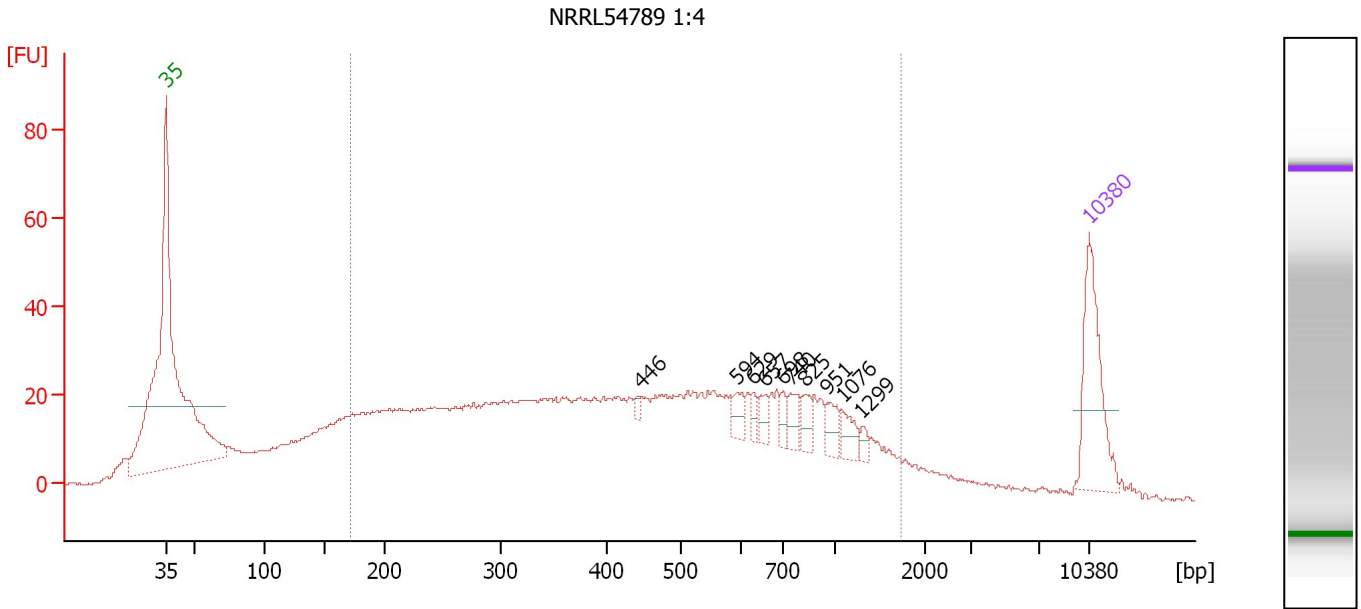
**Region table for sample 2 : Bob70 1:4**

From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Color
220	688	1,885	1,021.7	3,286.9	85	52.3	1,056.91	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-22\2015-04-22\_001.xad

Created: 4/22/2015 8:23:22 AM  
 Modified: 4/22/2015 9:03:47 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : NRRL54789 1:4**

Number of peaks found: 10                      Corr. Area 1: 1,130.6  
 Noise: 0.2

**Peak table for sample 3 : NRRL54789 1:4**

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	446	5.33	18.1		79.02
3	594	16.21	41.3		86.36
4	629	9.36	22.5		87.56
5	657	13.17	30.4		88.45
6	698	10.66	23.1		89.79
7	740	17.11	35.1		90.36
8	825	14.28	26.2		91.48
9	951	16.83	26.8		93.12
10	1,076	15.82	22.3		94.28
11	1,299	6.49	7.6		95.79
12	10,380	75.00	10.9	Upper Marker	113.00

**Region table for sample 3 : NRRL54789 1:4**

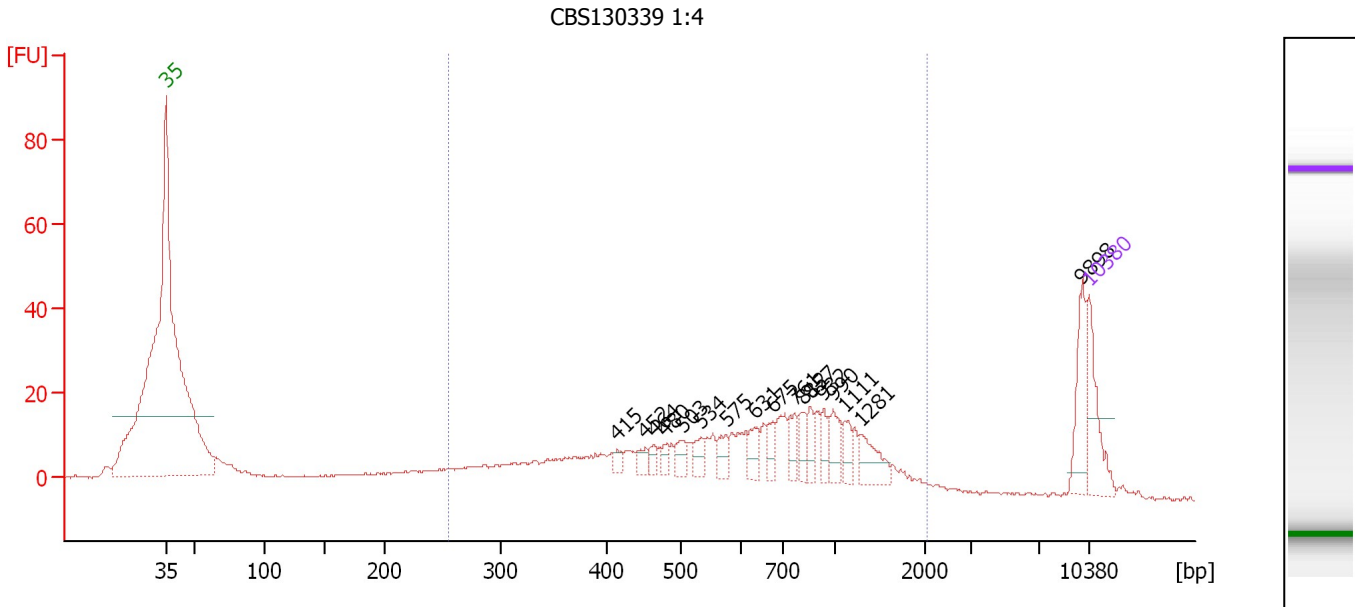
From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Color
171	520	1,738	1,130.6	7,162.2	80	60.0	1,641.53	Blue



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-22\2015-04-22\_001.xad

Created: 4/22/2015 8:23:22 AM  
 Modified: 4/22/2015 9:03:47 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : CBS130339 1:4**

Number of peaks found: 17      Corr. Area 1: 453.1  
 Noise: 0.3

**Peak table for sample 4 : CBS130339 1:4**

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	415	11.59	42.3		77.27
3	452	17.40	58.3		79.36
4	464	16.43	53.6		80.02
5	480	15.10	47.7		80.91
6	503	26.67	80.4		82.16
7	534	23.80	67.6		83.58
8	575	23.51	61.9		85.49
9	631	32.05	76.9		87.62
10	675	26.34	59.1		89.04
11	761	29.28	58.3		90.64
12	812	27.75	51.8		91.31
13	857	26.09	46.1		91.89
14	932	24.45	39.8		92.87
15	990	36.52	55.9		93.62
16	1,111	27.42	37.4		94.51
17	1,281	46.35	54.8		95.67
18	9,898	70.95	10.9		112.47
19	10,380	75.00	10.9	Upper Marker	113.00

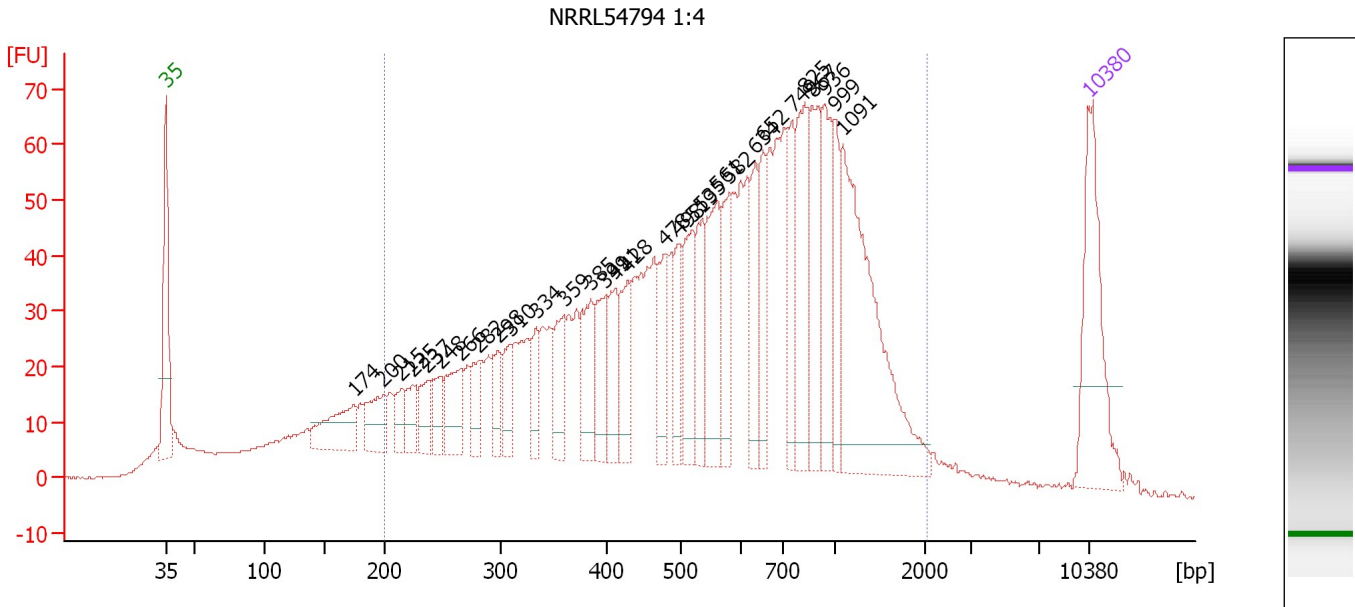
**Region table for sample 4 : CBS130339 1:4**

From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Color
256	716	2,044	453.1	3,311.2	77	51.2	1,147.10	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-22\2015-04-22\_001.xad

Created: 4/22/2015 8:23:22 AM  
 Modified: 4/22/2015 9:03:47 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : NRRL54794 1:4**

Number of peaks found: 30                      Corr. Area 1: 1,943.7  
 Noise: 0.2

**Peak table for sample 5 : NRRL54794 1:4**

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	174	55.21	479.9		57.23
3	200	38.87	294.8		59.49
4	215	18.47	130.1		60.85
5	225	24.00	161.4		61.76
6	237	23.73	151.7		62.80
7	248	22.36	136.5		63.80
8	266	43.57	248.4		65.34
9	282	26.63	143.3		66.74
10	298	25.20	128.0		68.24
11	310	24.36	119.0		69.19
12	334	22.97	104.3		71.09
13	359	36.54	154.0		73.17
14	385	45.68	179.9		75.21
15	399	40.86	155.3		76.35
16	411	42.28	155.8		77.07
17	428	39.19	138.7		78.02
18	478	39.51	125.3		80.79
19	498	31.53	95.9		81.92
20	519	54.22	158.2		82.92
21	535	43.06	121.9		83.64
22	561	67.26	181.7		84.82
23	582	42.02	109.5		85.77
24	634	42.84	102.3		87.72
25	652	38.91	90.4		88.31

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-22\2015-04-22\_001.xad

Created: 4/22/2015 8:23:22 AM  
 Modified: 4/22/2015 9:03:47 AM

### Electropherogram Summary Continued ...

#### ... Peak table for sample 5 : NRRL54794 1:4

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	749	41.89	84.8		90.48
27	825	73.78	135.5		91.48
28	867	63.15	110.4		92.02
29	936	56.93	92.1		92.93
30	999	38.68	58.7		93.74
31	1,091	171.45	238.0		94.38
32	10,380	75.00	10.9	Upper Marker	113.00

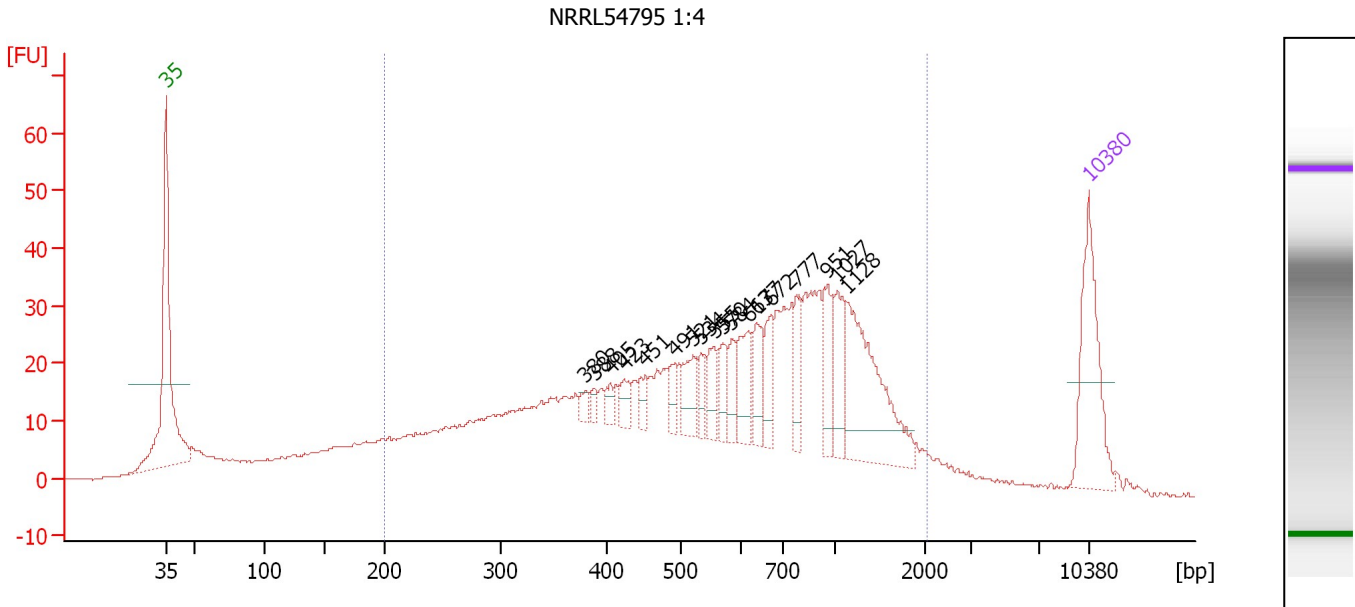
#### Region table for sample 5 : NRRL54794 1:4

From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Color
200	653	2,065	1,943.7	6,925.9	85	54.6	2,064.01	

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-22\2015-04-22\_001.xad

Created: 4/22/2015 8:23:22 AM  
 Modified: 4/22/2015 9:03:47 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : NRRL54795 1:4**

Number of peaks found: 18                      Corr. Area 1: 999.7  
 Noise: 0.2

**Peak table for sample 6 : NRRL54795 1:4**

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	380	8.47	33.8		74.84
3	388	7.42	29.0		75.48
4	405	10.19	38.1		76.75
5	423	15.12	54.1		77.75
6	451	13.57	45.6		79.30
7	491	16.62	51.3		81.53
8	521	32.60	94.9		82.98
9	534	16.26	46.2		83.57
10	555	24.79	67.6		84.57
11	570	21.86	58.1		85.25
12	584	19.82	51.4		85.89
13	617	37.47	92.0		87.17
14	637	29.54	70.3		87.80
15	672	28.02	63.2		88.94
16	777	28.35	55.3		90.85
17	951	33.68	53.6		93.12
18	1,027	39.24	57.9		93.94
19	1,128	114.94	154.5		94.62
20	10,380	75.00	10.9	Upper Marker	113.00

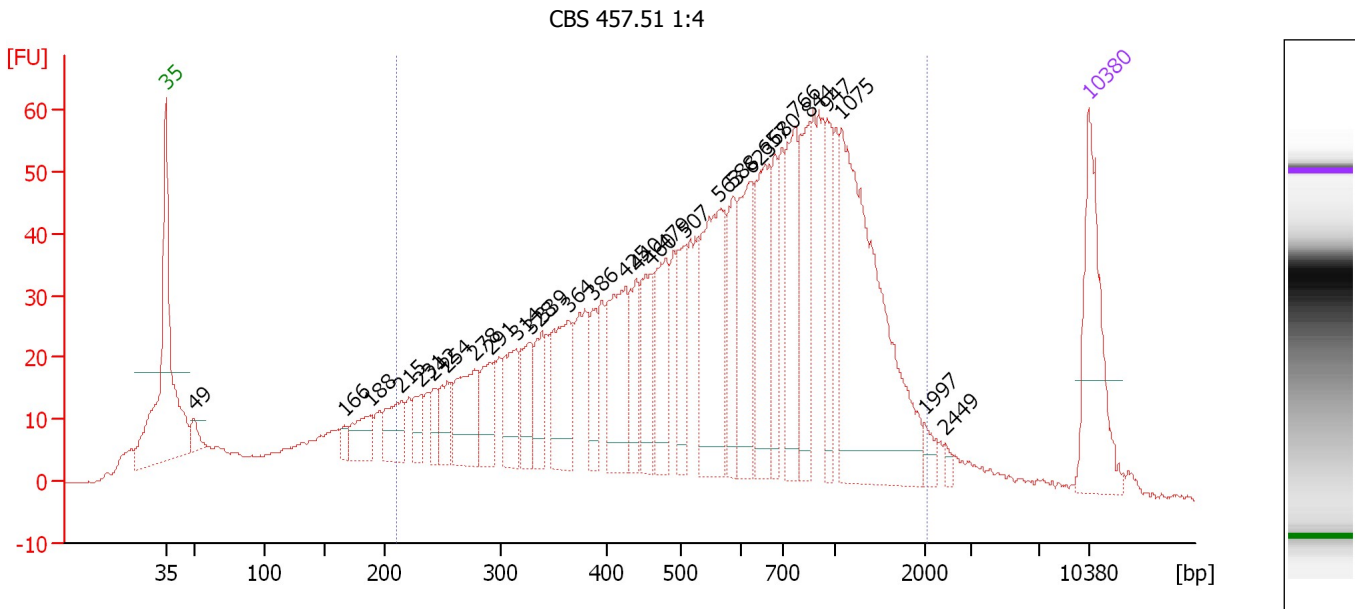
**Region table for sample 6 : NRRL54795 1:4**

From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Color
200	683	2,044	999.7	5,189.7	84	56.9	1,568.66	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-22\2015-04-22\_001.xad

Created: 4/22/2015 8:23:22 AM  
 Modified: 4/22/2015 9:03:47 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : CBS 457.51 1:4**

Number of peaks found: 30                      Corr. Area 1: 1,695.0  
 Noise: 0.2

**Peak table for sample 7 : CBS 457.51 1:4**

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	49	16.09	494.5		45.12
3	166	10.88	99.0		56.52
4	188	34.73	279.7		58.46
5	215	39.75	279.9		60.86
6	231	20.68	135.5		62.29
7	242	21.13	132.5		63.21
8	254	26.00	155.0		64.32
9	278	64.92	354.3		66.39
10	291	42.02	218.7		67.59
11	314	46.70	225.1		69.53
12	328	41.00	189.4		70.64
13	339	36.78	164.4		71.52
14	364	74.07	308.7		73.50
15	386	29.85	117.1		75.35
16	425	82.93	295.7		77.84
17	440	37.43	129.0		78.67
18	460	53.26	175.3		79.82
19	479	63.30	200.1		80.88
20	507	45.69	136.5		82.36
21	563	122.68	330.4		84.90
22	588	48.75	125.7		86.05
23	623	73.90	179.9		87.34
24	657	76.47	176.4		88.45
25	680	42.93	95.7		89.19

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-22\2015-04-22\_001.xad


Created: 4/22/2015 8:23:22 AM  
 Modified: 4/22/2015 9:03:47 AM

**Electropherogram Summary Continued ...**

**... Peak table for sample 7 : CBS 457.51 1:4**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	766	78.45	155.1		90.71
27	844	56.84	102.0		91.73
28	947	48.30	77.3		93.07
29	1,075	233.12	328.6		94.27
30	1,997	9.13	6.9		100.54
31	2,449	3.48	2.2		102.11
32	10,380	75.00	10.9	Upper Marker	113.00

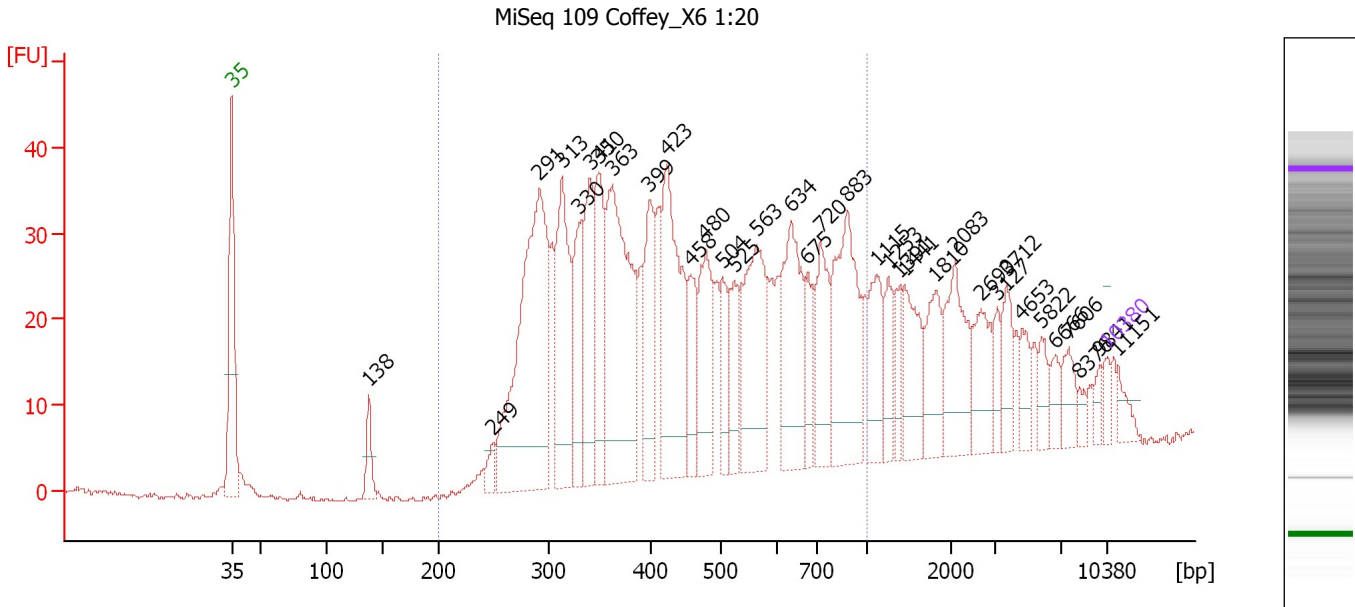
**Region table for sample 7 : CBS 457.51 1:4**

From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Color
211	683	2,061	1,695.0	6,866.7	85	55.8	2,125.29	

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-22\2015-04-22\_001.xad

Created: 4/22/2015 8:23:22 AM  
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**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : MiSeq 109 Coffey X6 1:20**

Number of peaks found: 35                      Corr. Area 1: 923.9  
 Noise: 0.3

**Peak table for sample 8 : MiSeq 109 Coffey X6 1:20**

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	138	280.18	3,079.5		53.96
3	249	138.02	838.6		63.89
4	291	3,002.03	15,619.9		67.60
5	313	1,295.35	6,280.0		69.39
6	330	699.58	3,212.4		70.80
7	341	872.27	3,875.0		71.69
8	350	837.14	3,629.0		72.37
9	363	2,023.65	8,453.0		73.44
10	399	712.20	2,703.2		76.38
11	423	1,420.03	5,083.5		77.74
12	458	424.13	1,402.1		79.71
13	480	710.41	2,243.9		80.90
14	504	348.49	1,047.5		82.22
15	525	377.18	1,089.5		83.16
16	563	1,110.31	2,989.5		84.91
17	634	1,010.14	2,413.3		87.72
18	675	264.80	594.4		89.04
19	720	597.10	1,256.8		90.11
20	883	1,112.79	1,908.4		92.24
21	1,115	426.48	579.4		94.54
22	1,253	252.93	305.8		95.48
23	1,391	175.84	191.6		96.42
24	1,441	427.01	449.0		96.76
25	1,810	375.27	314.1		99.27

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-22\2015-04-22\_001.xad

Created: 4/22/2015 8:23:22 AM  
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**Electropherogram Summary Continued ...**

**... Peak table for sample 8 : MiSeq 109 Coffey X6 1:20**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	2,083	574.28	417.7		100.85
27	2,690	358.10	201.7		102.94
28	3,127	129.57	62.8		104.18
29	3,712	245.71	100.3		104.94
30	4,653	167.46	54.5		106.18
31	5,822	136.16	35.4		107.71
32	6,666	122.15	27.8		108.82
33	7,606	170.00	33.9		109.93
34	8,376	55.93	10.1		110.78
35	9,841	68.92	10.6		112.40
36	10,380	75.00	10.9	Upper Marker	113.00
37	11,151	0.00	0.0		113.85

**Region table for sample 8 : MiSeq 109 Coffey X6 1:20**

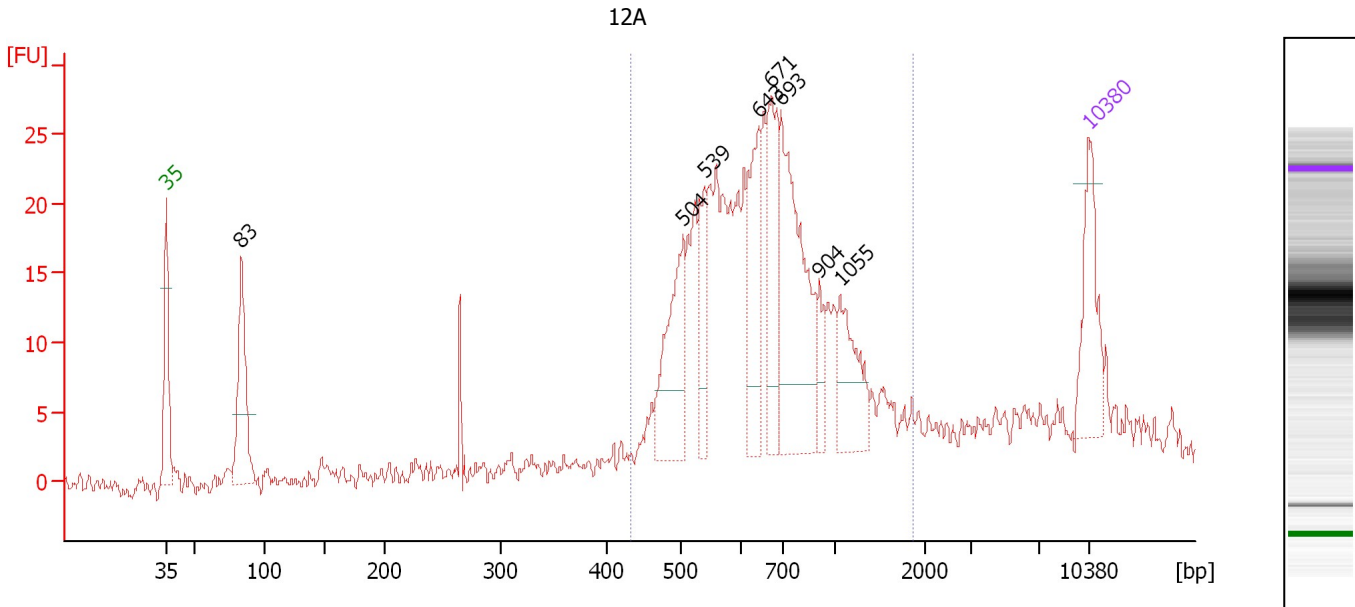
From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Color
200	480	1,000	923.9	65,706.7	76	37.3	17,595.27	<span style="color: blue;">■</span>



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-22\2015-04-22\_001.xad

Created: 4/22/2015 8:23:22 AM  
 Modified: 4/22/2015 9:03:47 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 9 : 12A**

Number of peaks found: 8                      Corr. Area 1: 310.9  
 Noise: 0.7

**Peak table for sample 9 : 12A**

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	83	151.99	2,775.7		48.72
3	504	134.91	405.3		82.23
4	539	65.26	183.5		83.81
5	643	109.64	258.5		87.99
6	671	107.88	243.5		88.92
7	693	232.57	508.5		89.62
8	904	29.38	49.3		92.50
9	1,055	78.05	112.1		94.13
10	10,380	75.00	10.9	Upper Marker	113.00

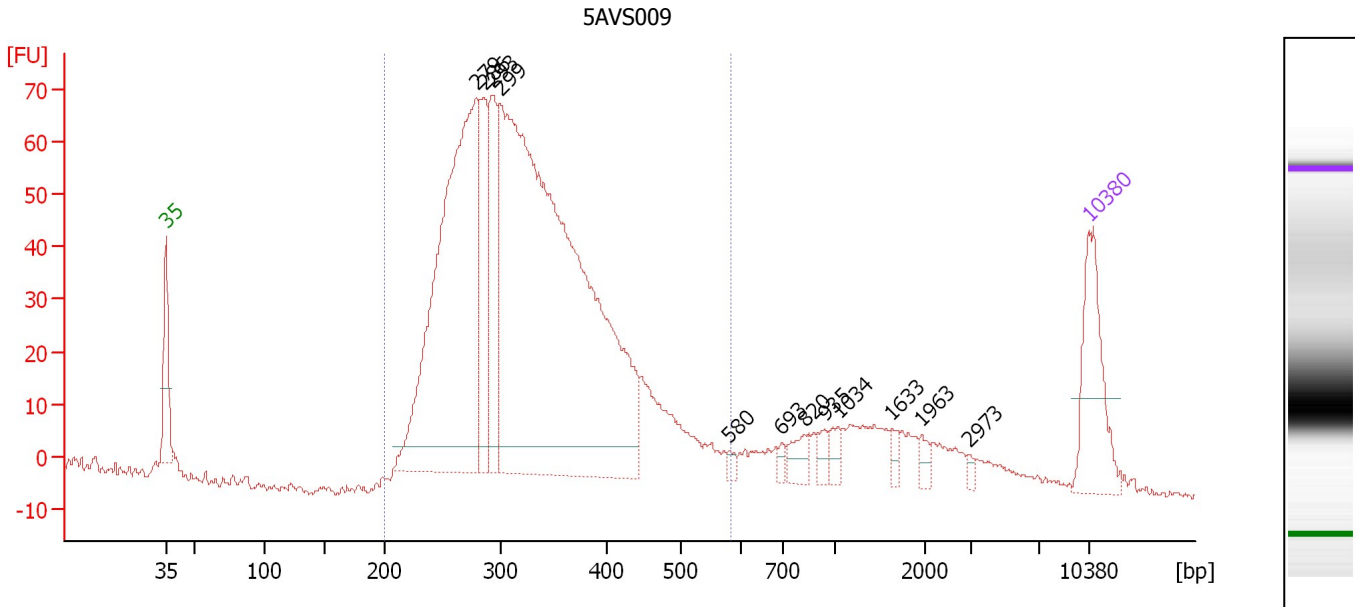
**Region table for sample 9 : 12A**

From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Color
431	722	1,864	310.9	3,058.4	83	36.0	1,308.14	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-22\2015-04-22\_001.xad

Created: 4/22/2015 8:23:22 AM  
 Modified: 4/22/2015 9:03:47 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 10 : 5AVS009**

Number of peaks found: 12      Corr. Area 1: 1,326.2  
 Noise: 0.5

**Peak table for sample 10 : 5AVS009**

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	279	604.95	3,280.5		66.55
3	286	111.60	590.7		67.16
4	293	117.86	609.2		67.77
5	299	1,110.99	5,621.0		68.33
6	580	6.20	16.2		85.70
7	693	6.53	14.3		89.64
8	820	18.98	35.1		91.41
9	935	11.04	17.9		92.91
10	1,034	11.77	17.2		93.99
11	1,633	8.32	7.7		98.06
12	1,963	8.51	6.6		100.31
13	2,973	3.88	2.0		103.92
14	10,380	75.00	10.9	Upper Marker	113.00

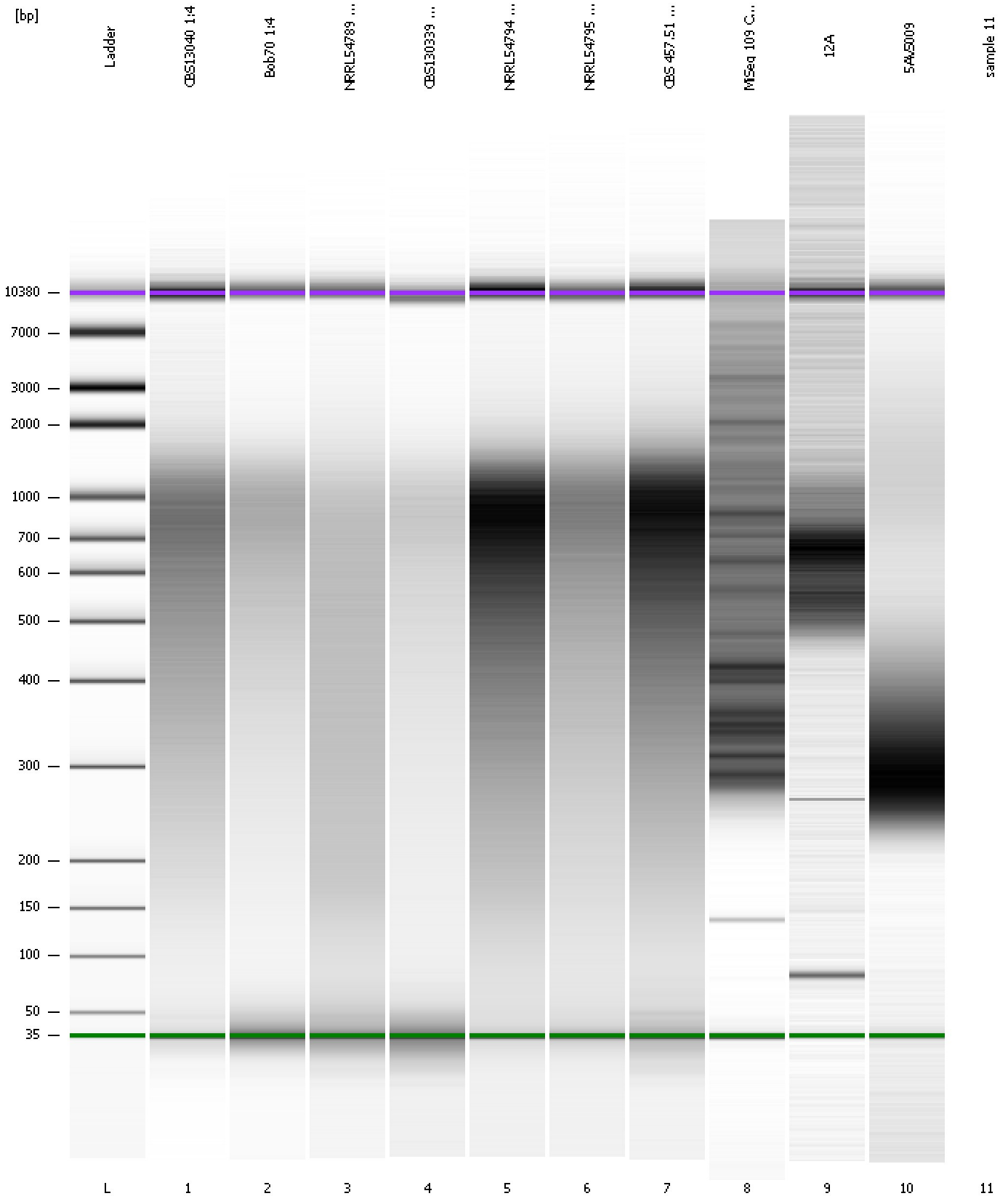
**Region table for sample 10 : 5AVS009**

From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Color
200	331	584	1,326.2	9,765.4	86	21.3	2,017.16	Blue

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-22\2015-04-22\_001.xad

Created: 4/22/2015 8:23:22 AM  
Modified: 4/22/2015 9:03:47 AM

**Gel Image**



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Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-22\2015-04-22\_001.xad

Created: 4/22/2015 8:23:22 AM  
Modified: 4/22/2015 9:03:47 AM

**Invalid Samples**

Sample 11 has not been run, no results available.

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-22\2015-04-22\_001.xad

Created: 4/22/2015 8:23:22 AM  
 Modified: 4/22/2015 9:03:47 AM

**Run Logbook**

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 11)		Instrument	Run		4/22/2015 9:01:48 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2015-04-22\2015-04-22_001.xad)		Instrument	Run		4/22/2015 8:23:28 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		4/22/2015 8:23:28 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		4/22/2015 8:23:28 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		4/22/2015 8:23:28 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		4/22/2015 8:23:27 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		4/22/2015 8:23:27 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		4/22/2015 8:23:27 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1