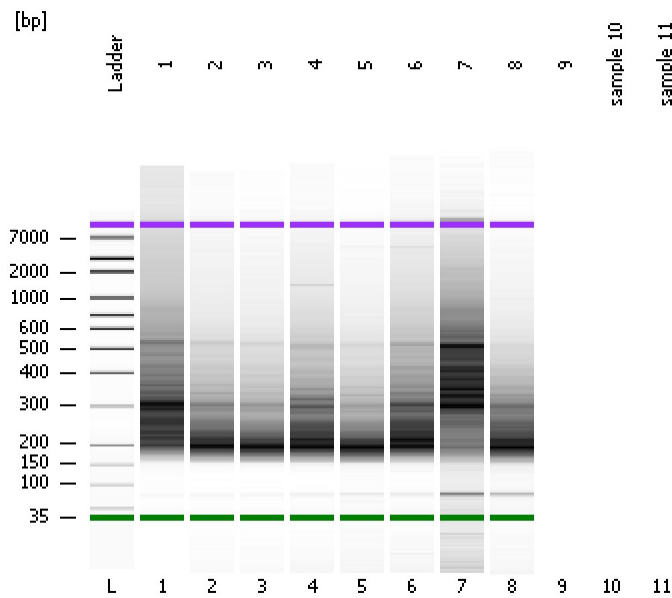


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-12\2015-11-12\_006.xad

Created: 11/12/2015 3:42:23 PM  
Modified: 11/12/2015 4:17:19 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

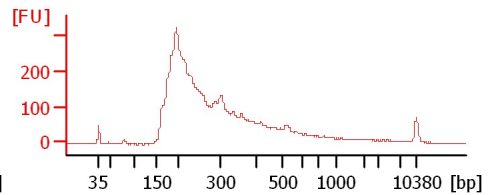
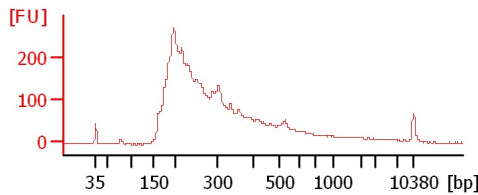
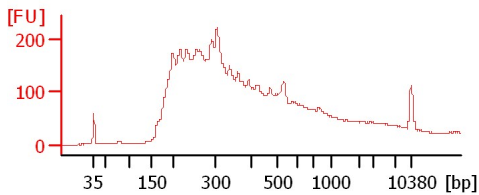
#### Chip Information:

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

1

2

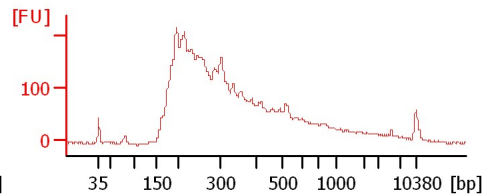
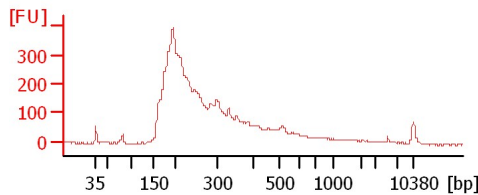
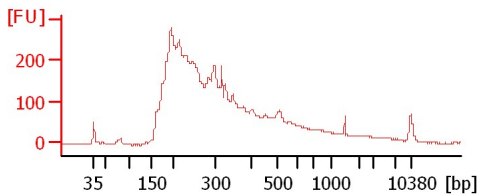
3



4

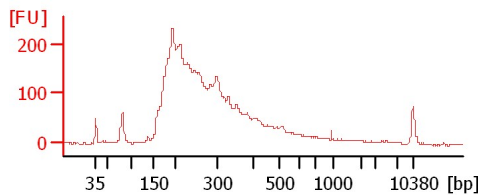
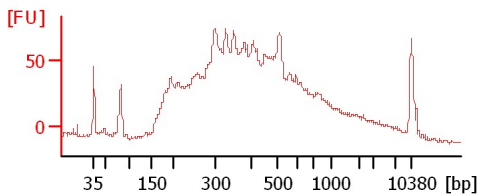
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6



7

8



Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-12\2015-11-12\_006.xad

Created: 11/12/2015 3:42:23 PM  
Modified: 11/12/2015 4:17:19 PM

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

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
1		<input type="checkbox"/>	✓			
2		<input type="checkbox"/>	✓			
3		<input type="checkbox"/>	✓			
4		<input type="checkbox"/>	✓			
5		<input type="checkbox"/>	✓			
6		<input type="checkbox"/>	✓			
7		<input type="checkbox"/>	✓			
8		<input type="checkbox"/>	✓			
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 :**

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-12\2015-11-12\_006.xad

Created: 11/12/2015 3:42:23 PM  
Modified: 11/12/2015 4:17:19 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

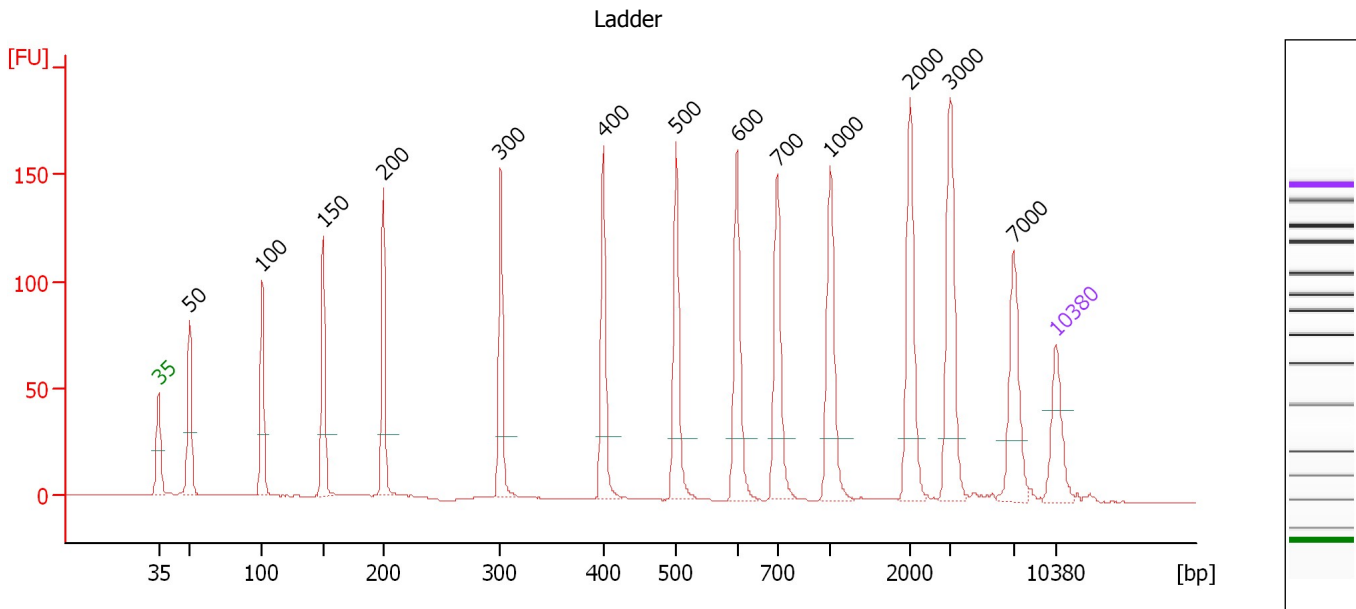
**Ladder**

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: C:\...ents and Settings\Bioanalyzer\2015-11-12\2015-11-12\_006.xad

Created: 11/12/2015 3:42:23 PM  
 Modified: 11/12/2015 4:17:19 PM

**Electropherogram Summary**



**Overall Results for Ladder**

Noise: 0.1

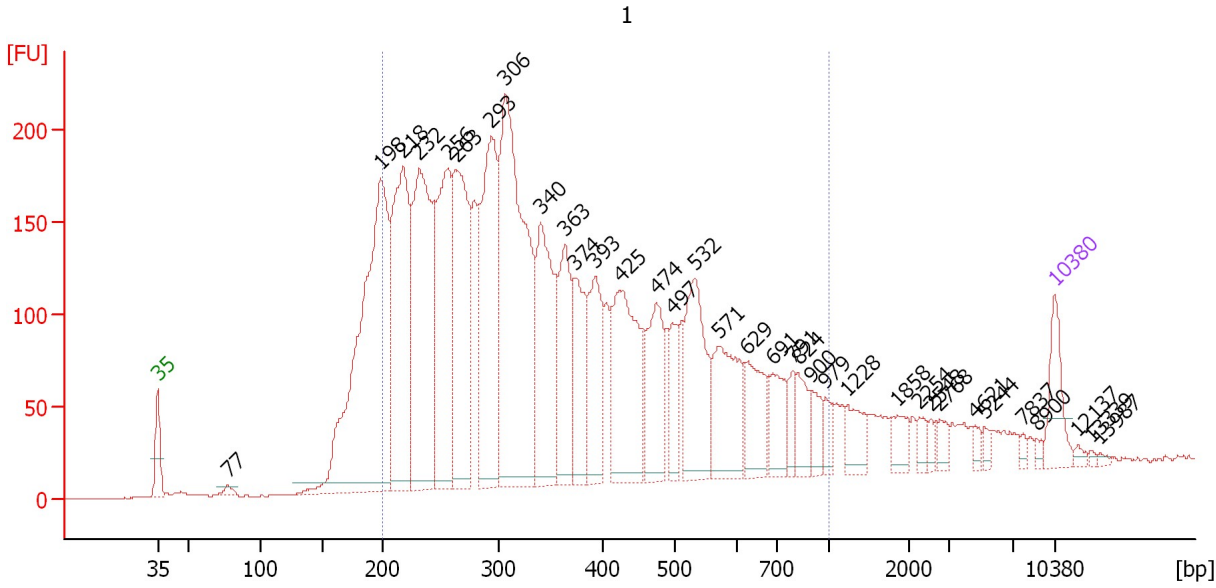
**Peak table for Ladder**

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	45.40
3	100	150.00	2,272.7	Ladder Peak	51.08
4	150	150.00	1,515.2	Ladder Peak	55.84
5	200	150.00	1,136.4	Ladder Peak	60.56
6	300	150.00	757.6	Ladder Peak	69.68
7	400	150.00	568.2	Ladder Peak	77.71
8	500	150.00	454.5	Ladder Peak	83.38
9	600	150.00	378.8	Ladder Peak	88.14
10	700	150.00	324.7	Ladder Peak	91.27
11	1,000	150.00	227.3	Ladder Peak	95.40
12	2,000	150.00	113.6	Ladder Peak	101.66
13	3,000	150.00	75.8	Ladder Peak	104.74
14	7,000	150.00	32.5	Ladder Peak	109.69
15	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-12\2015-11-12\_006.xad

Created: 11/12/2015 3:42:23 PM  
 Modified: 11/12/2015 4:17:19 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : 1**

Number of peaks found: 35                      Corr. Area 1: 5,324.7  
 Noise: 0.2

**Peak table for sample 1 : 1**

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	77	16.11	316.4		48.48
3	198	1,119.39	8,552.1		60.40
4	218	621.26	4,325.1		62.17
5	232	652.35	4,268.6		63.43
6	256	477.75	2,828.7		65.65
7	263	517.36	2,982.2		66.29
8	293	521.63	2,700.5		69.01
9	306	901.63	4,467.6		70.14
10	340	377.07	1,679.4		72.90
11	363	223.06	930.2		74.76
12	374	202.95	822.1		75.62
13	393	205.15	790.4		77.16
14	425	355.42	1,267.8		79.11
15	474	194.81	622.3		81.92
16	497	91.28	278.5		83.19
17	532	256.30	729.7		84.91
18	571	206.96	549.0		86.77
19	629	129.14	311.3		89.03
20	691	95.81	210.2		90.98
21	791	43.21	82.8		92.52
22	824	65.95	121.3		92.97
23	900	47.65	80.3		94.02
24	979	30.30	46.9		95.10
25	1,228	58.52	72.2		96.83

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-12\2015-11-12\_006.xad

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 Modified: 11/12/2015 4:17:19 PM

### Electropherogram Summary Continued ...

#### ... Peak table for sample 1 : 1

Peak	Size [bp]	Conc. [pg/ $\mu$ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	1,858	39.35	32.1		100.77
27	2,254	20.84	14.0		102.44
28	2,548	13.53	8.0		103.35
29	2,768	20.07	11.0		104.03
30	4,621	12.81	4.2		106.75
31	5,244	13.11	3.8		107.52
32	7,837	8.22	1.6		110.51
33	8,900	7.36	1.3		111.55
34	10,380	75.00	10.9	Upper Marker	113.00
35	12,137	0.00	0.0		114.72
36	13,339	0.00	0.0		115.90
37	13,987	0.00	0.0		116.53

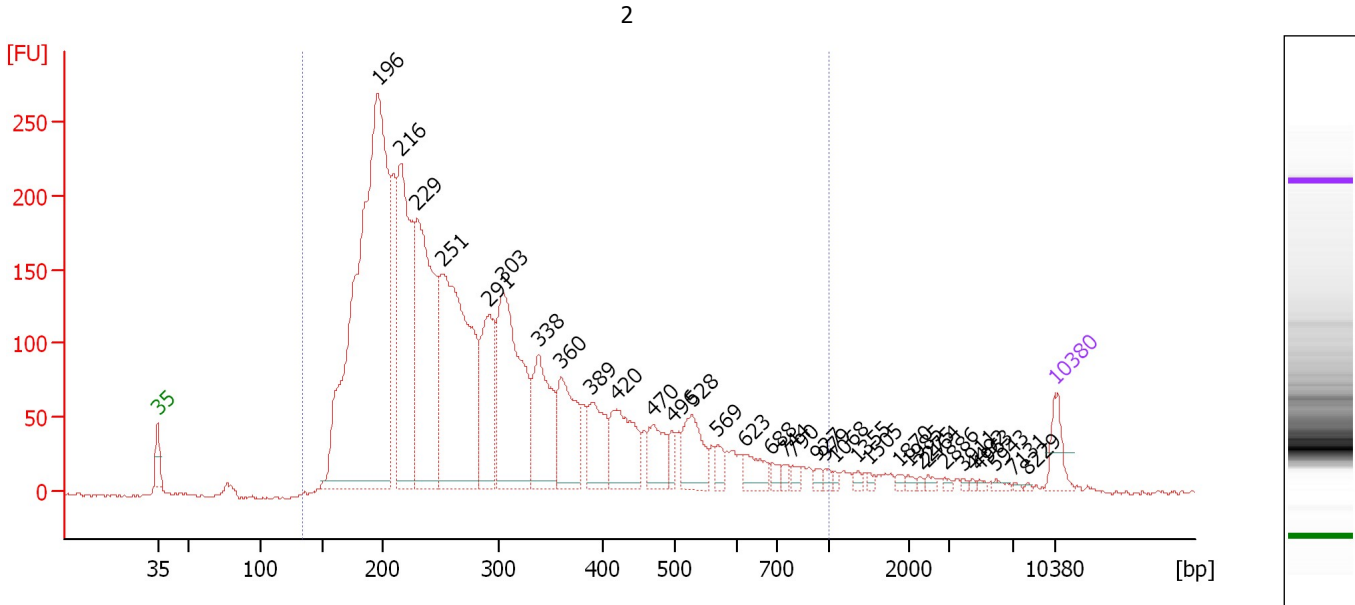
#### Region table for sample 1 : 1

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/ $\mu$ l]	% of Total	Size distribution in CV [%]
200	1,000	381	5,324.7	32,107.8	6,678.64	84	42.1

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-12\2015-11-12\_006.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : 2**

Number of peaks found: 34                      Corr. Area 1: 4,911.9  
 Noise: 1.4

**Peak table for sample 2 : 2**

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	196	2,962.89	22,909.6		60.17
3	216	979.23	6,869.7		62.01
4	229	1,105.66	7,307.4		63.22
5	251	1,332.67	8,048.1		65.20
6	291	427.73	2,225.4		68.87
7	303	836.60	4,177.5		69.95
8	338	399.84	1,792.1		72.73
9	360	333.11	1,402.6		74.48
10	389	215.95	840.2		76.86
11	420	278.78	1,006.1		78.83
12	470	147.85	476.2		81.70
13	496	49.30	150.7		83.13
14	528	184.42	529.3		84.70
15	569	44.99	119.7		86.68
16	623	82.10	199.5		88.87
17	688	26.67	58.7		90.89
18	744	21.13	43.0		91.88
19	790	19.71	37.8		92.51
20	927	15.71	25.7		94.39
21	979	15.90	24.6		95.11
22	1,068	11.49	16.3		95.83
23	1,355	11.96	13.4		97.62
24	1,505	10.09	10.2		98.56
25	1,870	10.82	8.8		100.85

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-12\2015-11-12\_006.xad

Created: 11/12/2015 3:42:23 PM  
 Modified: 11/12/2015 4:17:19 PM

**Electropherogram Summary Continued ...**

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

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	1,985	10.34	7.9		101.57
27	2,275	6.71	4.5		102.51
28	2,464	11.67	7.2		103.09
29	2,886	8.17	4.3		104.39
30	3,911	6.13	2.4		105.87
31	4,492	5.44	1.8		106.59
32	4,963	7.12	2.2		107.17
33	5,943	11.08	2.8		108.38
34	7,131	5.07	1.1		109.82
35	8,229	3.80	0.7		110.89
36	10,380	75.00	10.9	Upper Marker	113.00

**Region table for sample 2 : 2**

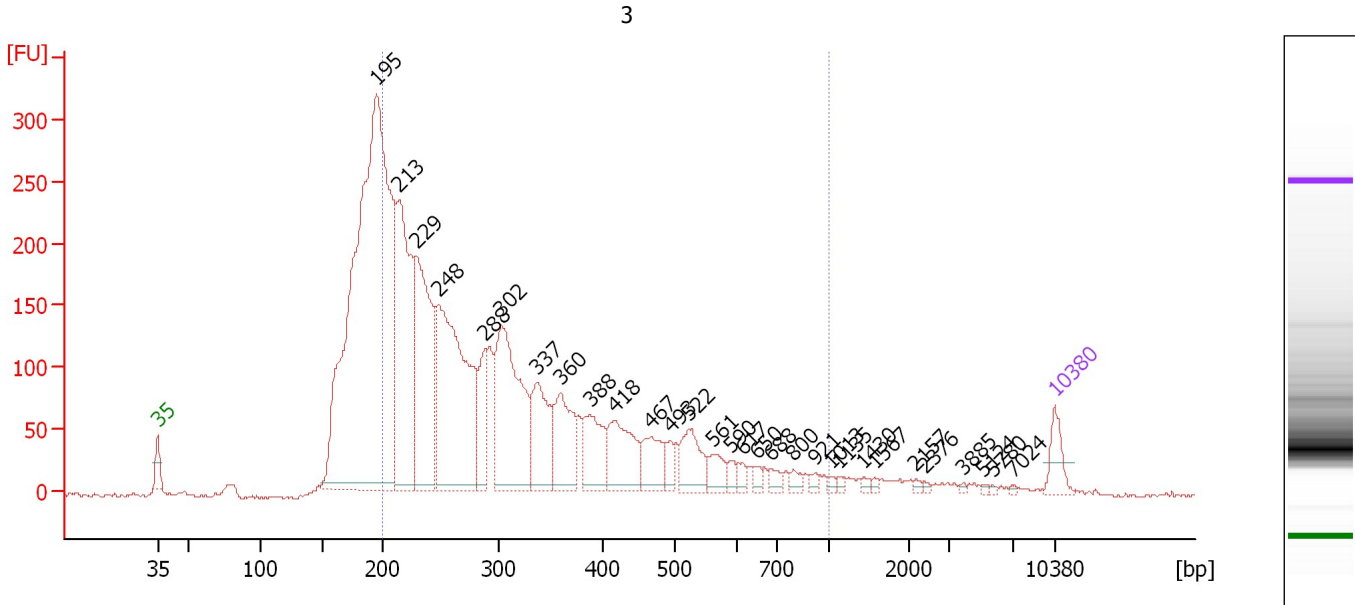
From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
134	1,000	304	4,911.9	62,023.4	10,237.47	97	44.8



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-12\2015-11-12\_006.xad

Created: 11/12/2015 3:42:23 PM  
 Modified: 11/12/2015 4:17:19 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : 3**

Number of peaks found: 30                      Corr. Area 1: 3,837.2  
 Noise: 1.4

**Peak table for sample 3 : 3**

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	195	3,784.01	29,350.3		60.12
3	213	1,057.03	7,502.9		61.78
4	229	885.47	5,851.8		63.23
5	248	1,226.26	7,505.6		64.89
6	288	202.75	1,068.3		68.54
7	302	800.59	4,022.3		69.80
8	337	338.48	1,522.2		72.64
9	360	295.29	1,243.1		74.49
10	388	234.15	914.4		76.74
11	418	279.65	1,013.9		78.72
12	467	154.82	502.1		81.51
13	493	64.58	198.3		83.00
14	522	173.19	502.3		84.44
15	561	76.48	206.5		86.29
16	590	34.30	88.0		87.68
17	617	28.15	69.1		88.68
18	650	23.60	55.0		89.71
19	688	33.31	73.4		90.88
20	800	26.59	50.4		92.64
21	921	17.32	28.5		94.31
22	1,013	13.97	20.9		95.48
23	1,135	11.25	15.0		96.24
24	1,430	11.90	12.6		98.09
25	1,567	9.58	9.3		98.95

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-12\2015-11-12\_006.xad

Created: 11/12/2015 3:42:23 PM  
 Modified: 11/12/2015 4:17:19 PM

### Electropherogram Summary Continued ...

#### ... Peak table for sample 3 : 3

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	2,157	8.93	6.3		102.14
27	2,376	6.79	4.3		102.82
28	3,885	5.66	2.2		105.84
29	5,124	5.15	1.5		107.37
30	5,780	4.29	1.1		108.18
31	7,024	4.73	1.0		109.71
32	10,380	75.00	10.9	Upper Marker	113.00

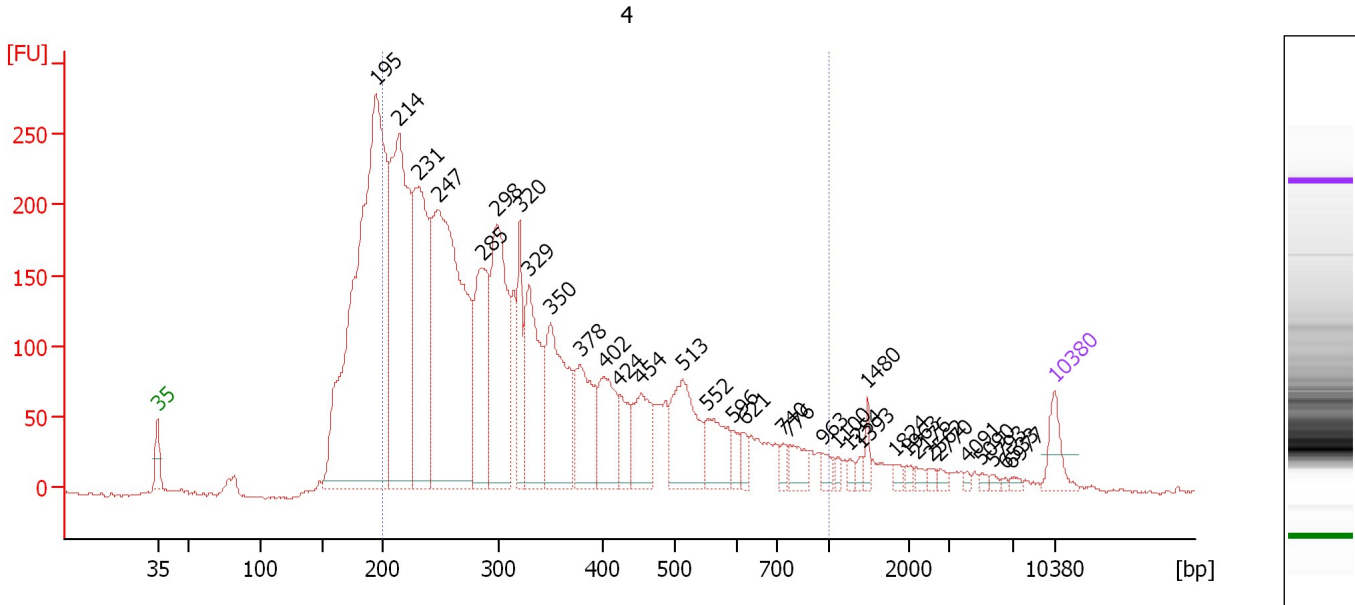
#### Region table for sample 3 : 3

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	328	3,837.2	38,512.1	7,134.43	71	40.8

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-12\2015-11-12\_006.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : 4**

Number of peaks found: 34                      Corr. Area 1: 4,950.2  
 Noise: 0.7

**Peak table for sample 4 : 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	195	2,634.97	20,495.5		60.07
3	214	1,281.24	9,063.8		61.85
4	231	847.33	5,564.0		63.36
5	247	1,651.99	10,121.6		64.87
6	285	504.20	2,681.2		68.30
7	298	702.47	3,572.0		69.49
8	320	210.36	996.3		71.27
9	329	439.32	2,023.0		72.01
10	350	500.11	2,167.8		73.65
11	378	299.95	1,202.2		75.94
12	402	245.78	926.4		77.82
13	424	112.86	403.5		79.05
14	454	211.68	707.1		80.75
15	513	316.84	935.9		83.99
16	552	172.01	471.9		85.87
17	596	48.12	122.4		87.93
18	621	37.78	92.2		88.80
19	740	30.07	61.6		91.82
20	776	71.29	139.1		92.32
21	963	32.91	51.8		94.88
22	1,100	17.83	24.6		96.03
23	1,254	20.98	25.4		96.99
24	1,393	16.74	18.2		97.86
25	1,480	29.36	30.1		98.41

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-12\2015-11-12\_006.xad

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**Electropherogram Summary Continued ...**

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

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	1,824	16.22	13.5		100.56
27	1,963	14.98	11.6		101.42
28	2,176	14.92	10.4		102.20
29	2,562	13.95	8.3		103.39
30	2,770	13.22	7.2		104.03
31	4,091	8.11	3.0		106.09
32	5,090	10.71	3.2		107.33
33	5,793	8.93	2.3		108.20
34	6,533	5.89	1.4		109.11
35	6,977	10.06	2.2		109.66
36	10,380	75.00	10.9	Upper Marker	113.00

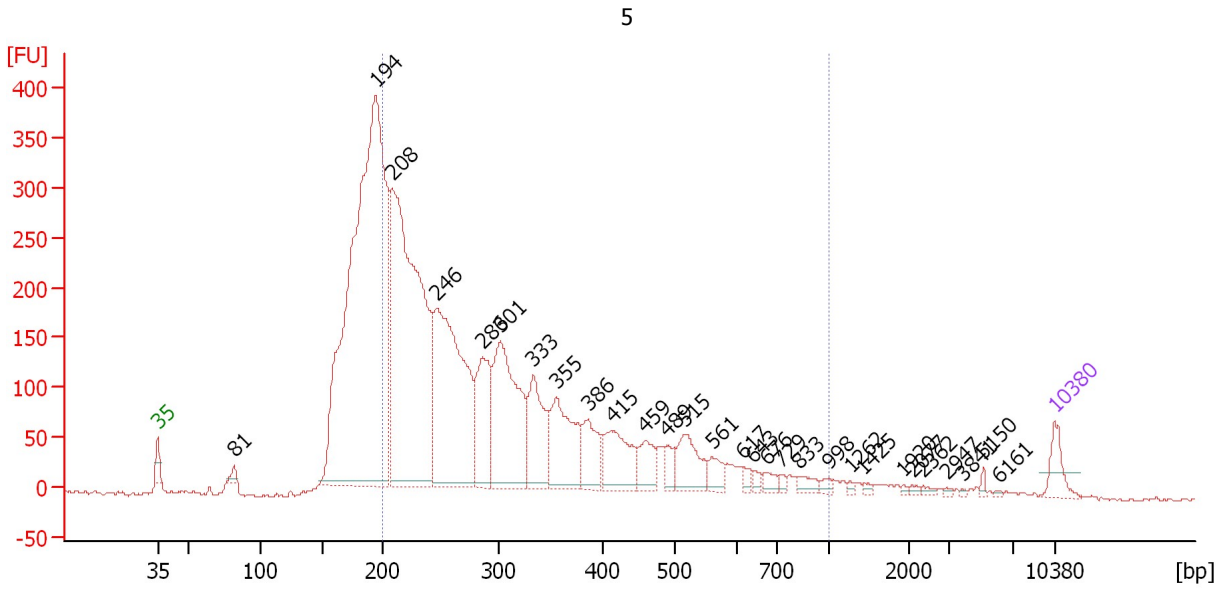
**Region table for sample 4 : 4**

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	347	4,950.2	43,926.2	8,471.11	78	42.2

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-12\2015-11-12\_006.xad

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 Modified: 11/12/2015 4:17:19 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : 5**

Number of peaks found: 29                      Corr. Area 1: 4,500.1  
 Noise: 1.3

**Peak table for sample 5 : 5**

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	81	37.96	706.3		48.97
3	194	3,802.32	29,639.3		60.03
4	208	2,291.02	16,657.9		61.32
5	246	1,322.63	8,131.8		64.79
6	286	405.54	2,152.2		68.35
7	301	775.88	3,907.8		69.74
8	333	350.43	1,596.8		72.29
9	355	389.80	1,663.8		74.09
10	386	191.14	750.1		76.59
11	415	256.53	935.7		78.58
12	459	131.09	432.3		81.08
13	489	72.08	223.4		82.74
14	515	188.65	555.2		84.08
15	561	69.50	187.6		86.30
16	617	26.82	65.9		88.66
17	643	21.73	51.2		89.50
18	676	36.10	80.9		90.51
19	729	15.64	32.5		91.67
20	833	37.84	68.8		93.11
21	998	18.35	27.9		95.37
22	1,262	10.13	12.2		97.04
23	1,425	9.75	10.4		98.06
24	1,920	5.89	4.6		101.16
25	2,077	8.98	6.6		101.90

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-12\2015-11-12\_006.xad

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 Modified: 11/12/2015 4:17:19 PM

**Electropherogram Summary Continued ...**

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

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	2,362	11.33	7.3		102.78
27	2,947	6.38	3.3		104.58
28	3,841	3.86	1.5		105.78
29	5,150	10.39	3.1		107.40
30	6,161	4.57	1.1		108.65
31	10,380	75.00	10.9	Upper Marker	113.00

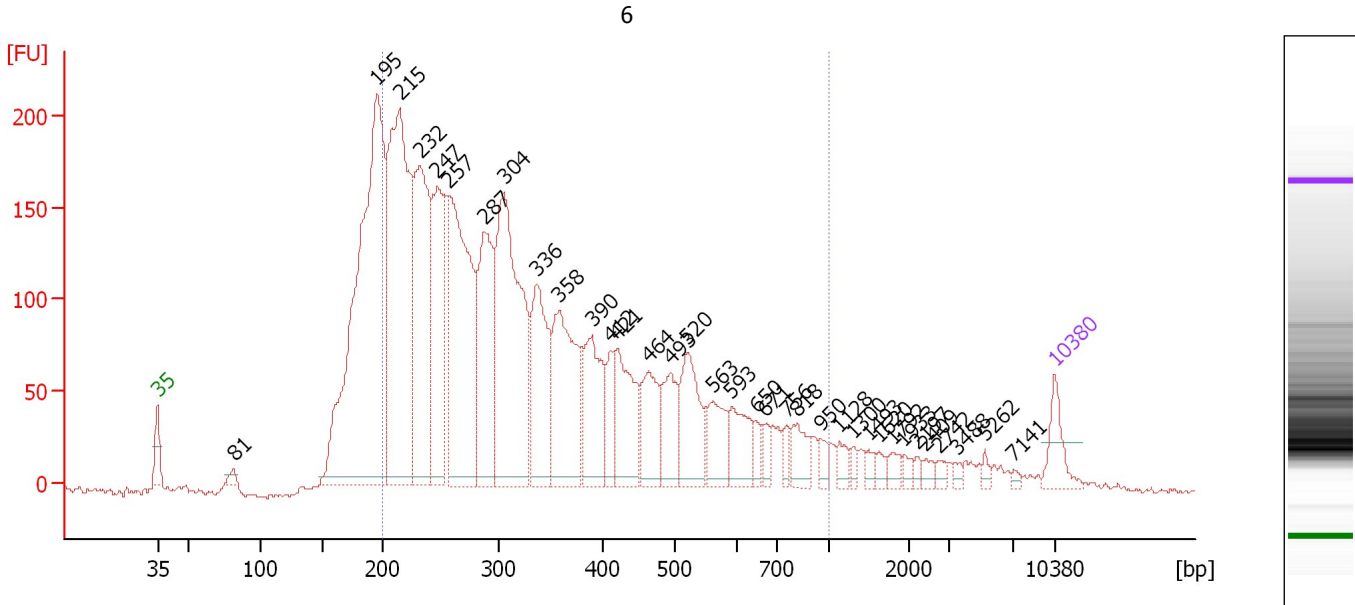
**Region table for sample 5 : 5**

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	326	4,500.1	40,119.2	7,388.03	69	41.4

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-12\2015-11-12\_006.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : 6**

Number of peaks found: 35                      Corr. Area 1: 4,339.9  
 Noise: 1.1

**Peak table for sample 6 : 6**

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	81	25.47	476.1		48.93
3	195	1,858.12	14,404.9		60.13
4	215	1,297.75	9,157.0		61.90
5	232	741.55	4,840.2		63.49
6	247	521.44	3,199.0		64.84
7	257	870.54	5,128.1		65.77
8	287	522.47	2,759.3		68.48
9	304	906.95	4,515.9		70.02
10	336	399.53	1,800.2		72.59
11	358	452.58	1,916.7		74.31
12	390	286.40	1,113.4		76.88
13	412	98.27	361.6		78.37
14	421	268.63	967.2		78.89
15	464	189.90	620.6		81.31
16	493	161.53	496.2		82.99
17	520	237.22	690.7		84.35
18	563	136.53	367.7		86.35
19	593	130.76	334.2		87.80
20	650	39.55	92.1		89.71
21	671	38.41	86.7		90.37
22	756	33.06	66.2		92.05
23	818	83.14	154.1		92.89
24	950	26.44	42.2		94.71
25	1,128	32.90	44.2		96.20

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-12\2015-11-12\_006.xad

Created: 11/12/2015 3:42:23 PM  
 Modified: 11/12/2015 4:17:19 PM

**Electropherogram Summary Continued ...**

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

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	1,300	17.67	20.6		97.27
27	1,493	19.41	19.7		98.49
28	1,620	18.85	17.6		99.28
29	1,792	26.69	22.6		100.35
30	1,933	18.14	14.2		101.24
31	2,197	12.72	8.8		102.27
32	2,409	17.77	11.2		102.92
33	2,742	15.49	8.6		103.95
34	3,488	11.24	4.9		105.35
35	5,262	12.87	3.7		107.54
36	7,141	8.63	1.8		109.83
37	10,380	75.00	10.9	Upper Marker	113.00

**Region table for sample 6 : 6**

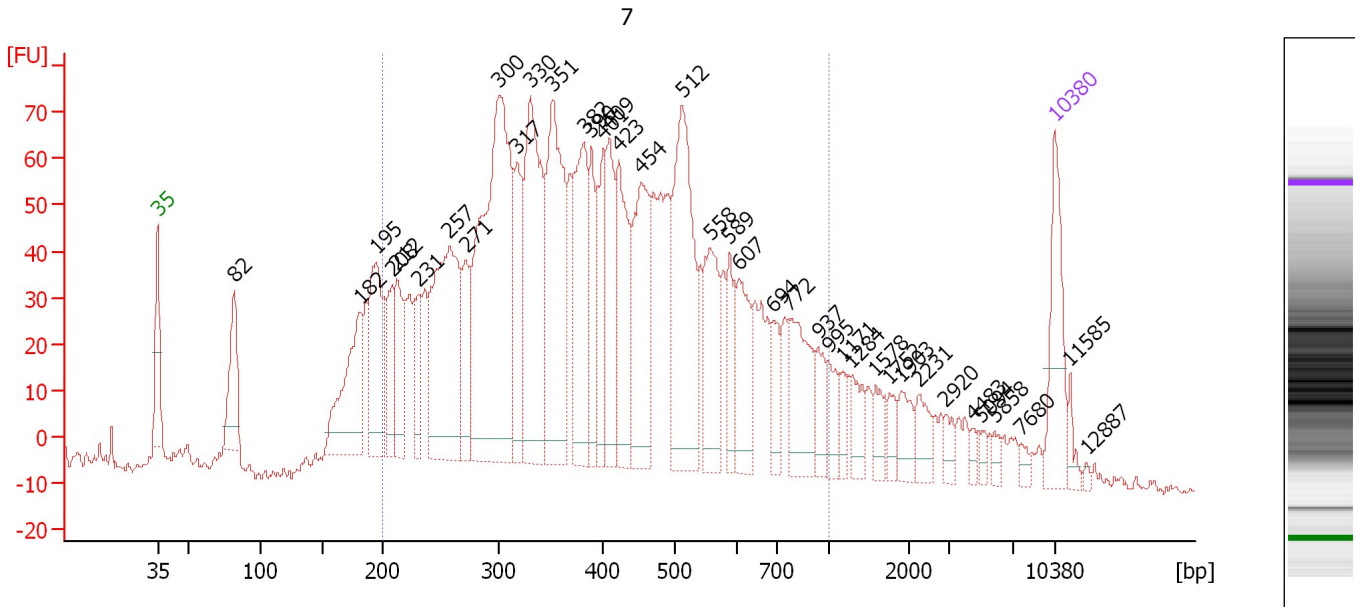
From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	357	4,339.9	40,193.2	7,898.54	80	42.9



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-12\2015-11-12\_006.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : 7**

Number of peaks found: 39                      Corr. Area 1: 2,281.9  
 Noise: 1.1

**Peak table for sample 7 : 7**

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	82	101.27	1,878.4		49.00
3	182	160.91	1,342.3		58.82
4	195	147.95	1,148.7		60.10
5	208	71.91	524.0		61.28
6	212	92.01	657.4		61.66
7	231	61.58	404.4		63.36
8	257	292.01	1,720.6		65.77
9	271	82.89	463.2		67.04
10	300	497.10	2,509.4		69.69
11	317	104.15	497.5		71.06
12	330	270.99	1,243.7		72.10
13	351	257.41	1,110.1		73.80
14	382	156.81	621.1		76.30
15	390	77.49	301.4		76.87
16	401	87.83	331.8		77.76
17	409	103.52	383.1		78.24
18	423	130.82	468.9		78.99
19	454	158.26	528.7		80.74
20	512	233.90	692.1		83.95
21	558	103.11	280.1		86.12
22	589	41.78	107.4		87.64
23	607	80.20	200.3		88.34
24	694	38.40	83.8		91.08
25	772	95.65	187.7		92.26

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-12\2015-11-12\_006.xad

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 Modified: 11/12/2015 4:17:19 PM

**Electropherogram Summary Continued ...**

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

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	937	32.41	52.4		94.53
27	995	26.29	40.0		95.33
28	1,171	18.97	24.5		96.47
29	1,284	30.17	35.6		97.18
30	1,578	22.91	22.0		99.02
31	1,752	16.53	14.3		100.11
32	1,903	26.95	21.5		101.05
33	2,231	24.62	16.7		102.37
34	2,920	13.14	6.8		104.50
35	4,483	7.59	2.6		106.58
36	5,094	8.50	2.5		107.33
37	5,858	9.09	2.4		108.28
38	7,680	7.36	1.5		110.35
39	10,380	75.00	10.9	Upper Marker	113.00
40	11,585	0.00	0.0		114.18
41	12,887	0.00	0.0		115.46

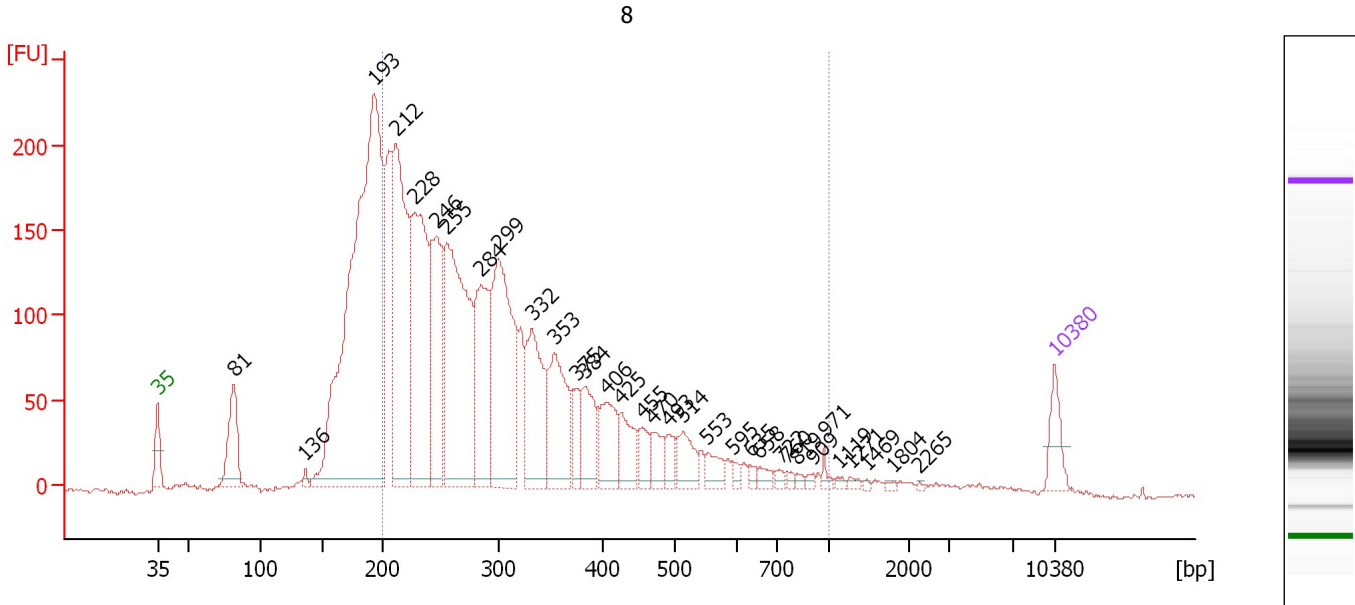
**Region table for sample 7 : 7**

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	428	2,281.9	15,222.6	3,589.96	82	38.2

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-12\2015-11-12\_006.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : 8**

Number of peaks found: 33                      Corr. Area 1: 3,400.3  
 Noise: 1.4

**Peak table for sample 8 : 8**

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	81	248.07	4,624.2		48.95
3	136	15.85	176.4		54.52
4	193	2,446.80	19,199.6		59.90
5	212	893.06	6,393.2		61.62
6	228	836.85	5,565.2		63.10
7	246	494.17	3,042.2		64.76
8	255	935.95	5,561.3		65.57
9	284	442.18	2,357.1		68.24
10	299	699.19	3,544.7		69.57
11	332	362.74	1,655.8		72.24
12	353	339.34	1,455.4		73.95
13	375	93.11	376.6		75.67
14	384	166.73	658.7		76.38
15	406	171.83	641.2		78.05
16	425	116.36	414.5		79.14
17	455	71.76	239.1		80.81
18	470	75.51	243.5		81.67
19	493	53.04	163.2		82.95
20	514	100.82	297.1		84.05
21	553	58.13	159.2		85.90
22	595	17.29	44.0		87.90
23	635	16.41	39.2		89.24
24	658	27.20	62.6		89.95
25	722	17.08	35.9		91.57

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-12\2015-11-12\_006.xad

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 Modified: 11/12/2015 4:17:19 PM

**Electropherogram Summary Continued ...**

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

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	760	11.90	23.7		92.10
27	819	11.39	21.1		92.90
28	909	10.55	17.6		94.14
29	971	18.01	28.1		95.00
30	1,119	8.44	11.4		96.14
31	1,271	10.64	12.7		97.10
32	1,469	5.47	5.6		98.33
33	1,804	5.97	5.0		100.43
34	2,265	3.09	2.1		102.48
35	10,380	75.00	10.9	Upper Marker	113.00

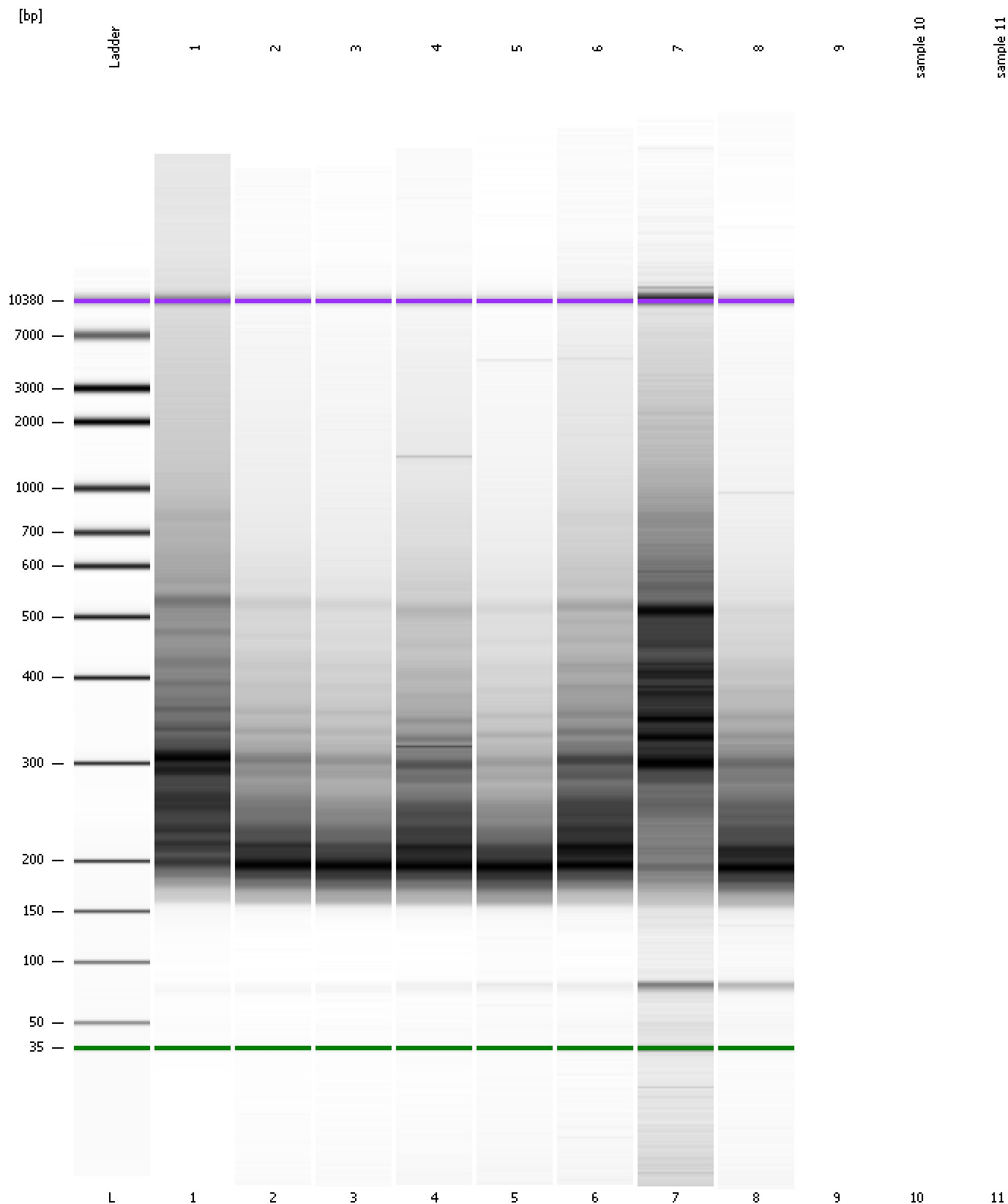
**Region table for sample 8 : 8**

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	321	3,400.3	36,911.4	6,858.17	73	38.5

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-12\2015-11-12\_006.xad

Created: 11/12/2015 3:42:23 PM  
Modified: 11/12/2015 4:17:19 PM

**Gel Image**

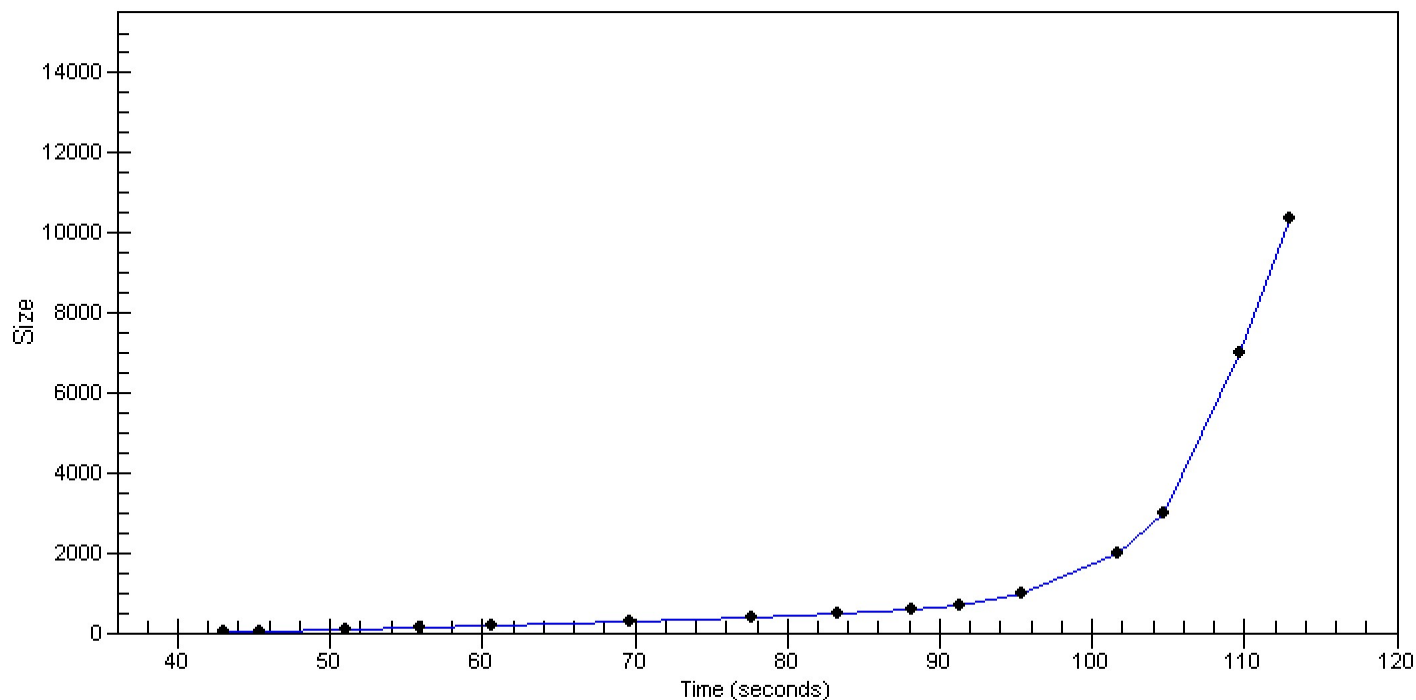


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-12\2015-11-12\_006.xad

Created: 11/12/2015 3:42:23 PM  
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**Curves**

**Standard Curve**



Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-12\2015-11-12\_006.xad

Created: 11/12/2015 3:42:23 PM  
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**Invalid Samples**

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.

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-12\2015-11-12\_006.xad

Created: 11/12/2015 3:42:23 PM  
 Modified: 11/12/2015 4:17:19 PM

**Run Logbook**

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 9)		Instrument	Run		11/12/2015 4:15:00 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2015-11-12\2015-11-12_006.xad)		Instrument	Run		11/12/2015 3:42:23 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		11/12/2015 3:42:23 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		11/12/2015 3:42:23 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		11/12/2015 3:42:23 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		11/12/2015 3:42:23 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		11/12/2015 3:42:23 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		11/12/2015 3:42:23 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1