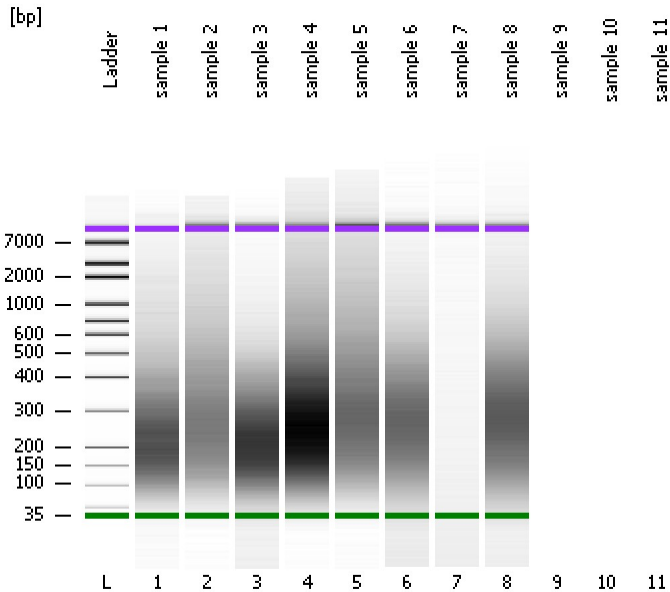


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-04-09\2014-04-09\_004.xad

Created: 4/9/2014 3:30:23 PM  
Modified: 4/9/2014 4:04:31 PM

**Electrophoresis File Run Summary**



Instrument Information:

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

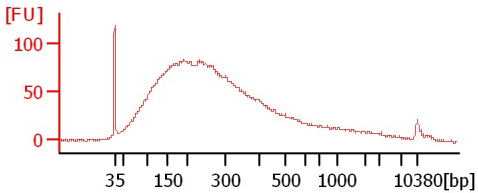
Assay Information:

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

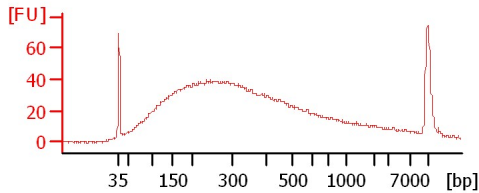
Chip Information:

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

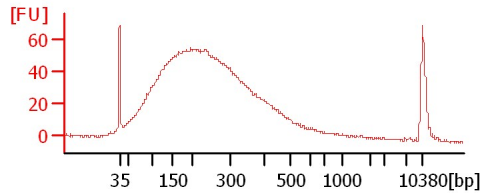
sample 1



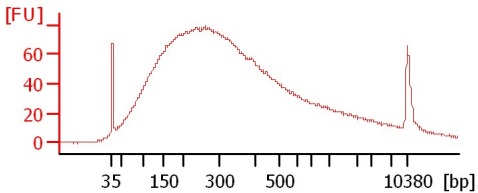
sample 2



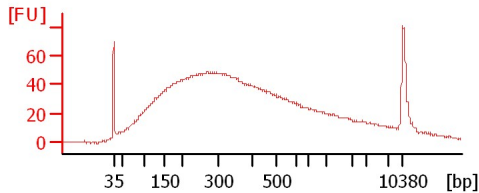
sample 3



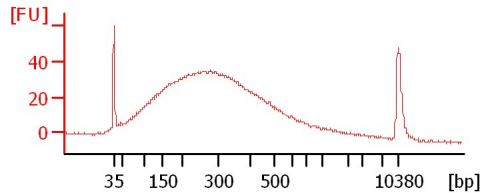
sample 4



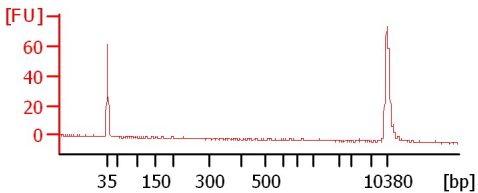
sample 5



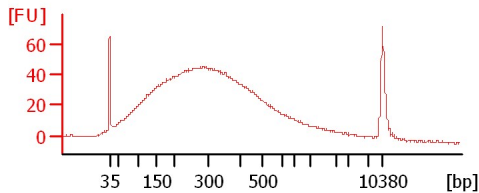
sample 6



sample 7



sample 8



Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-04-09\2014-04-09\_004.xad

Created: 4/9/2014 3:30:23 PM  
Modified: 4/9/2014 4:04:31 PM

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

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

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-04-09\2014-04-09\_004.xad

Created: 4/9/2014 3:30:23 PM  
Modified: 4/9/2014 4:04:31 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

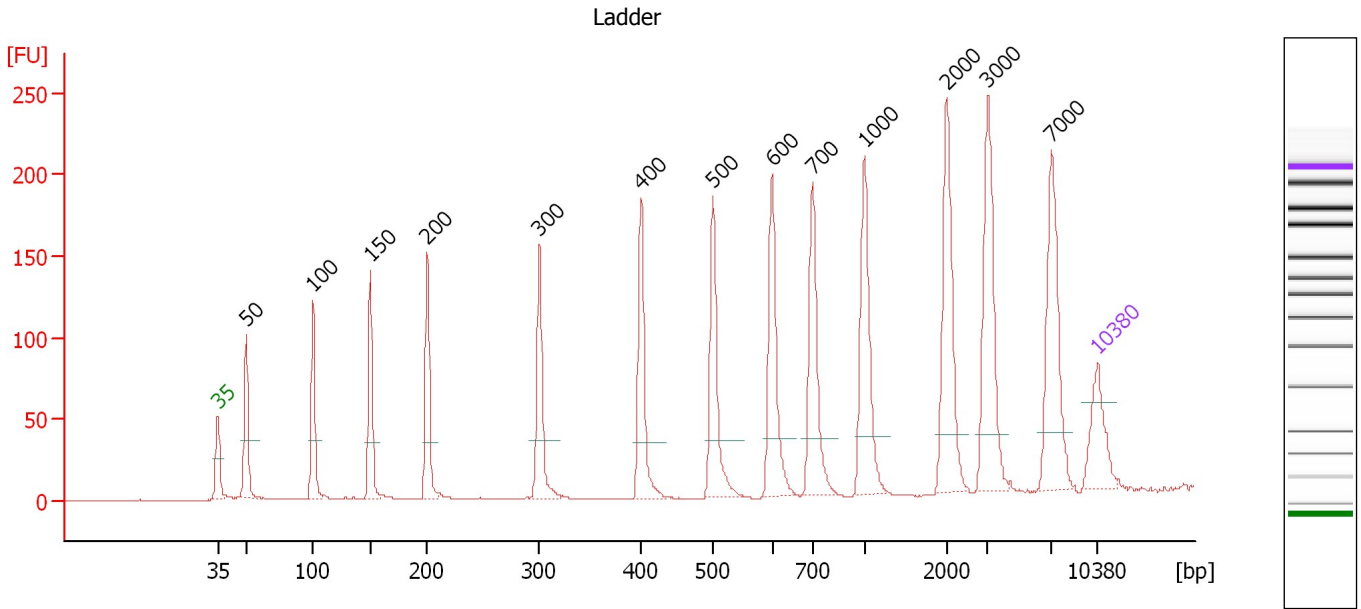
**Ladder**

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\2014-04-09\2014-04-09\_004.xad

Created: 4/9/2014 3:30:23 PM  
 Modified: 4/9/2014 4:04:31 PM

**Electropherogram Summary**



**Overall Results for Ladder**

Noise: 0.3

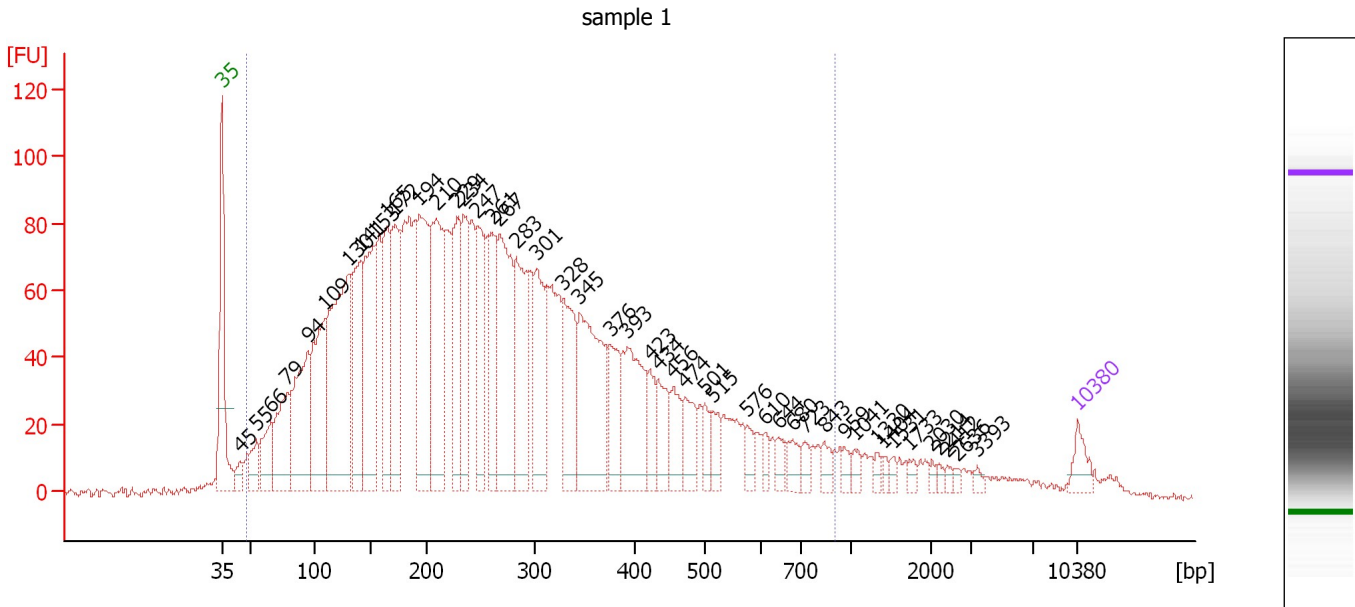
**Peak table for Ladder**

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	45.25	50	150.00	4,545.5	Ladder Peak
3	50.59	100	150.00	2,272.7	Ladder Peak
4	55.13	150	150.00	1,515.2	Ladder Peak
5	59.67	200	150.00	1,136.4	Ladder Peak
6	68.58	300	150.00	757.6	Ladder Peak
7	76.68	400	150.00	568.2	Ladder Peak
8	82.41	500	150.00	454.5	Ladder Peak
9	87.08	600	150.00	378.8	Ladder Peak
10	90.30	700	150.00	324.7	Ladder Peak
11	94.46	1,000	150.00	227.3	Ladder Peak
12	100.95	2,000	150.00	113.6	Ladder Peak
13	104.26	3,000	150.00	75.8	Ladder Peak
14	109.31	7,000	150.00	32.5	Ladder Peak
15	113.00	10,380	75.00	10.9	Upper Marker

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-04-09\2014-04-09\_004.xad

Created: 4/9/2014 3:30:23 PM  
 Modified: 4/9/2014 4:04:31 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : sample 1**

Number of peaks found: 47                      Corr. Area 1: 3,711.0  
 Noise: 1.1

**Peak table for sample 1 : sample 1**

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	44.48	45	97.66	3,296.1	
3	45.83	55	166.27	4,540.4	
4	46.97	66	321.40	7,368.0	
5	48.32	79	557.83	10,734.2	
6	49.98	94	846.35	13,607.2	
7	51.37	109	848.24	11,835.4	
8	53.34	130	1,602.78	18,650.6	
9	54.30	141	725.63	7,809.9	
10	55.39	153	973.96	9,658.6	
11	56.48	165	611.01	5,617.7	
12	57.17	172	724.32	6,362.7	
13	59.14	194	965.70	7,538.3	
14	60.53	210	1,013.80	7,326.7	
15	62.23	229	588.90	3,900.7	
16	62.71	234	555.20	3,592.9	
17	63.85	247	548.32	3,365.5	
18	65.07	261	519.55	3,021.1	
19	65.68	267	912.97	5,172.8	
20	67.07	283	656.99	3,516.4	
21	68.64	301	552.43	2,782.8	
22	70.87	328	499.71	2,306.7	
23	72.22	345	885.28	3,888.9	
24	74.71	376	271.19	1,094.0	
25	76.15	393	578.81	2,229.5	

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-04-09\2014-04-09\_004.xad

Created: 4/9/2014 3:30:23 PM  
 Modified: 4/9/2014 4:04:31 PM

**Electropherogram Summary Continued ...**

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

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
26	77.98	423	156.37	560.7	
27	78.63	434	210.00	733.1	
28	79.90	456	192.24	638.6	
29	80.90	474	187.91	601.2	
30	82.47	501	92.42	279.4	
31	83.12	515	126.84	373.0	
32	85.96	576	74.83	196.8	
33	87.40	610	54.14	134.5	
34	88.49	644	64.37	151.5	
35	89.67	680	80.76	179.9	
36	90.63	723	54.75	114.7	
37	92.28	843	60.44	108.7	
38	93.90	959	44.34	70.0	
39	94.73	1,041	43.83	63.8	
40	96.60	1,330	25.54	29.1	
41	97.08	1,404	23.26	25.1	
42	97.91	1,531	24.07	23.8	
43	99.22	1,733	28.95	25.3	
44	101.05	2,030	17.57	13.1	
45	101.66	2,214	18.32	12.5	
46	102.31	2,412	16.96	10.7	
47	103.06	2,636	13.91	8.0	
48	104.76	3,393	20.50	9.2	
49	113.00	10,380	75.00	10.9	Upper Marker

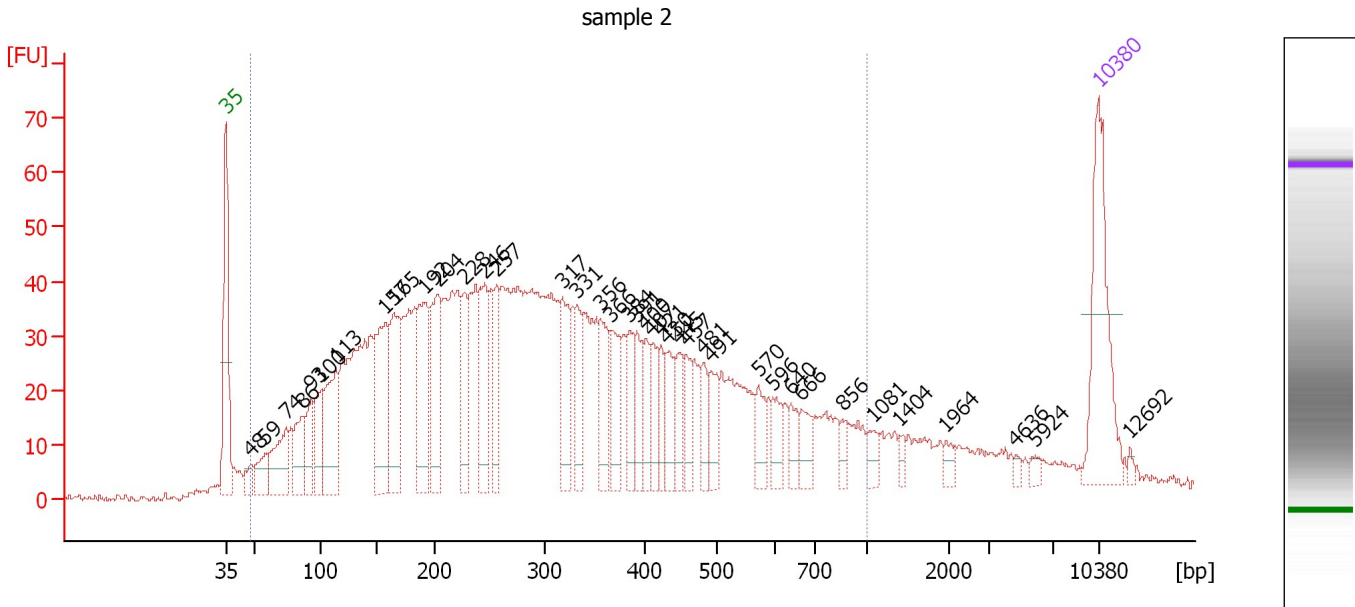
**Region table for sample 1 : sample 1**

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/µl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
48	909	279	187,109.0	22,270.20	3,711.0	94	54.4

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-04-09\2014-04-09\_004.xad

Created: 4/9/2014 3:30:23 PM  
 Modified: 4/9/2014 4:04:31 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : sample 2**

Number of peaks found: 39                      Corr. Area 1: 1,894.4  
 Noise: 0.8

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


Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	44.97	48	14.28	449.4	
3	46.17	59	28.64	740.7	
4	47.83	74	57.96	1,183.6	
5	49.08	86	43.96	776.3	
6	49.85	93	41.45	675.3	
7	50.62	100	41.38	625.5	
8	51.81	113	84.71	1,131.5	
9	55.79	157	106.71	1,028.1	
10	56.48	165	87.25	802.1	
11	58.92	192	89.26	705.6	
12	59.99	204	84.06	625.8	
13	62.13	228	47.92	319.1	
14	63.75	246	65.25	402.2	
15	64.74	257	45.82	270.3	
16	70.00	317	55.90	266.8	
17	71.11	331	33.96	155.3	
18	73.08	356	36.22	154.4	
19	73.94	366	39.61	163.9	
20	75.39	384	28.08	110.8	
21	75.99	391	24.96	96.6	
22	76.67	400	23.70	89.8	
23	77.10	407	24.67	91.8	
24	77.91	421	21.99	79.0	
25	78.43	430	29.30	103.1	

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-04-09\2014-04-09\_004.xad

Created: 4/9/2014 3:30:23 PM  
 Modified: 4/9/2014 4:04:31 PM

**Electropherogram Summary Continued ...**

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

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
26	79.28	445	25.47	86.7	
27	79.93	457	21.73	72.1	
28	81.34	481	21.06	66.3	
29	81.89	491	26.38	81.4	
30	85.70	570	21.30	56.6	
31	86.90	596	18.12	46.0	
32	88.35	640	15.63	37.0	
33	89.21	666	18.44	41.9	
34	92.46	856	9.00	15.9	
35	94.99	1,081	10.42	14.6	
36	97.08	1,404	5.05	5.4	
37	100.72	1,964	6.16	4.8	
38	106.33	4,636	2.81	0.9	
39	107.95	5,924	3.93	1.0	
40	 113.00	10,380	75.00	10.9	Upper Marker
41	115.52	12,692	0.00	0.0	

**Region table for sample 2 : sample 2**

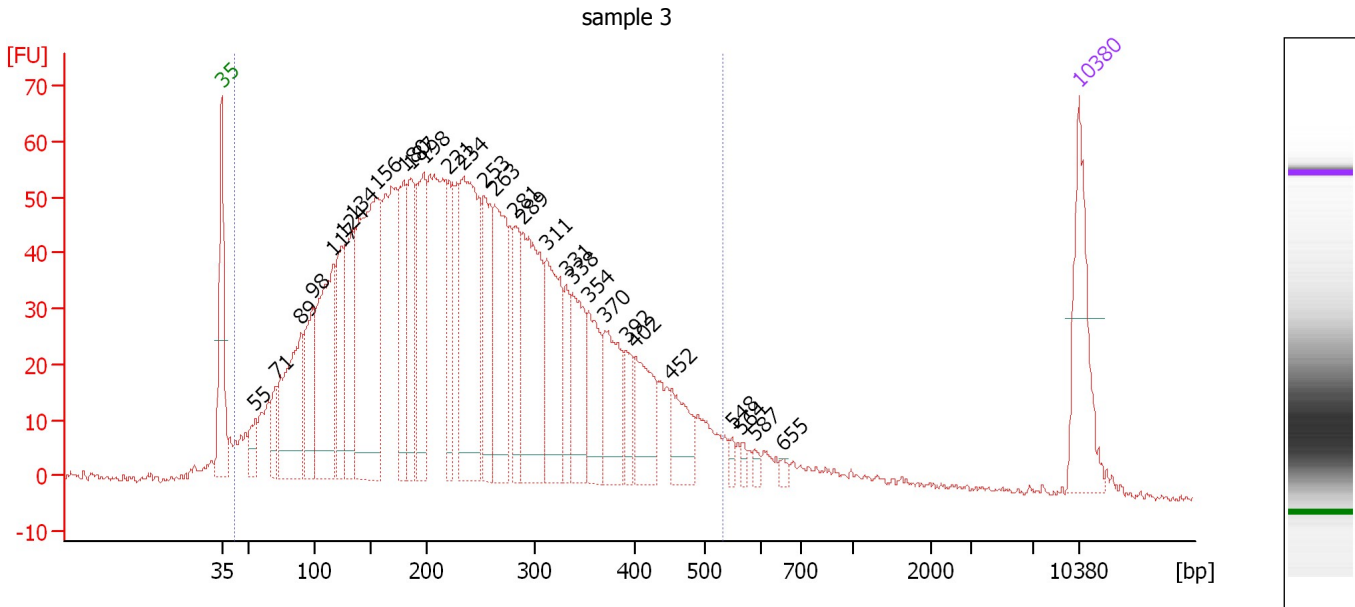
From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. for Area	% of Total	Size distribution in CV [%]
48	1,000	322	19,689.4	2,577.12	 1,894.4	94	55.1



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-04-09\2014-04-09\_004.xad

Created: 4/9/2014 3:30:23 PM  
 Modified: 4/9/2014 4:04:31 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : sample 3**

Number of peaks found: 29      Corr. Area 1: 2,281.5  
 Noise: 0.7

**Peak table for sample 3 : sample 3**

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	45.74	55	29.78	826.0	
3	47.44	71	36.18	777.6	
4	49.44	89	177.53	3,014.3	
5	50.40	98	102.72	1,585.1	
6	52.10	117	207.24	2,693.7	
7	52.79	124	109.88	1,340.1	
8	53.67	134	126.96	1,437.4	
9	55.67	156	326.26	3,171.0	
10	57.89	180	125.90	1,057.7	
11	58.50	187	96.92	785.0	
12	59.50	198	134.51	1,028.8	
13	61.50	221	81.65	561.0	
14	62.72	234	245.14	1,585.9	
15	64.42	253	113.57	679.4	
16	65.29	263	146.51	844.0	
17	66.90	281	64.20	346.0	
18	67.64	289	175.94	921.0	
19	69.51	311	130.73	635.9	
20	71.12	331	40.19	183.8	
21	71.64	338	79.75	357.7	
22	72.99	354	68.32	292.1	
23	74.26	370	80.10	328.0	
24	76.00	392	29.15	112.8	
25	76.78	402	68.05	256.7	

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-04-09\2014-04-09\_004.xad

Created: 4/9/2014 3:30:23 PM  
 Modified: 4/9/2014 4:04:31 PM

### Electropherogram Summary Continued ...

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

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
26	79.65	452	49.16	164.8	
27	84.66	548	6.95	19.2	
28	85.40	564	6.09	16.4	
29	86.49	587	6.13	15.8	
30	88.84	655	5.07	11.7	
31	113.00	10,380	75.00	10.9	Upper Marker

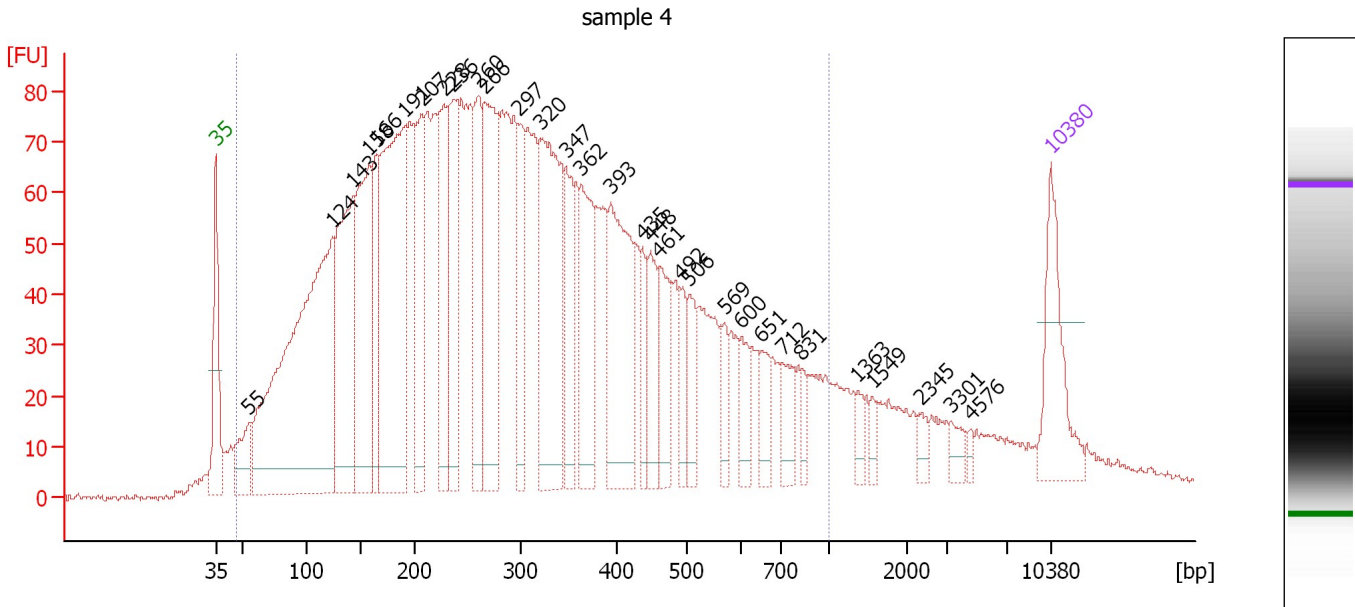
#### Region table for sample 3 : sample 3

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. for Area	% of Total	Size distribution in CV [%]
42	533	241	33,228.6	3,687.08	2,281.5	95	44.0

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-04-09\2014-04-09\_004.xad

Created: 4/9/2014 3:30:23 PM  
 Modified: 4/9/2014 4:04:31 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : sample 4**

Number of peaks found: 31                      Corr. Area 1: 3,786.2  
 Noise: 0.8

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

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	45.77	55	65.76	1,815.1	
3	52.79	124	732.48	8,937.1	
4	54.49	143	274.58	2,911.6	
5	55.83	158	262.05	2,518.3	
6	56.54	166	118.83	1,087.7	
7	58.87	191	409.15	3,243.3	
8	60.25	207	157.20	1,153.3	
9	62.13	228	153.11	1,019.3	
10	62.89	236	168.13	1,078.8	
11	65.04	260	135.74	790.4	
12	65.53	266	226.78	1,293.0	
13	68.34	297	83.88	427.4	
14	70.18	320	272.38	1,290.9	
15	72.37	347	93.76	409.7	
16	73.62	362	132.92	556.1	
17	76.12	393	186.22	717.8	
18	78.72	435	41.33	143.8	
19	79.43	448	61.05	206.5	
20	80.19	461	70.63	232.0	
21	81.93	492	32.93	101.5	
22	82.69	506	45.44	136.0	
23	85.64	569	27.66	73.6	
24	87.07	600	31.91	80.6	
25	88.73	651	29.62	68.9	

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-04-09\2014-04-09\_004.xad


Created: 4/9/2014 3:30:23 PM  
 Modified: 4/9/2014 4:04:31 PM

### Electropherogram Summary Continued ...

#### ... Peak table for sample 4 : sample 4

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/ $\mu$ l]	Molarity [pmol/l]	Observations
26	90.47	712	35.91	76.4	
27	92.13	831	15.28	27.8	
28	96.82	1,363	12.66	14.1	
29	98.03	1,549	9.31	9.1	
30	102.09	2,345	10.87	7.0	
31	104.64	3,301	13.02	6.0	
32	106.25	4,576	4.99	1.7	
33	113.00	10,380	75.00	10.9	Upper Marker

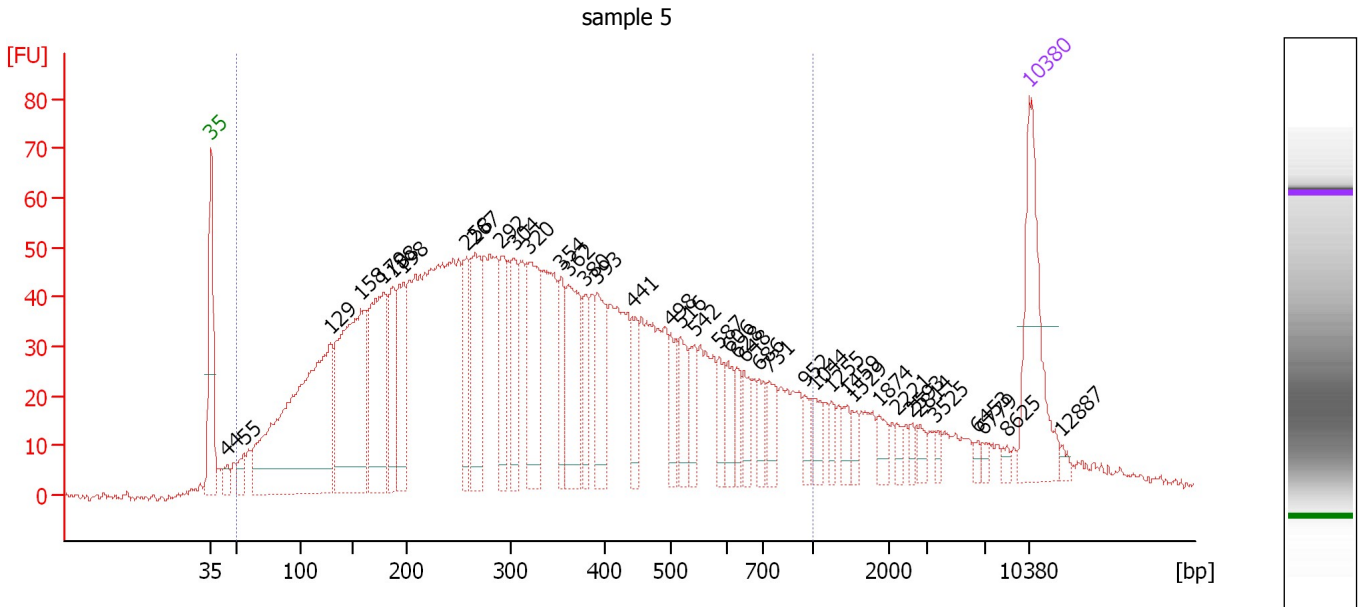
#### Region table for sample 4 : sample 4

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/ $\mu$ l]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
46	1,000	316	41,653.6	5,341.26	 3,786.2	93	55.7

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-04-09\2014-04-09\_004.xad

Created: 4/9/2014 3:30:23 PM  
 Modified: 4/9/2014 4:04:31 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : sample 5**

Number of peaks found: 40                      Corr. Area 1: 2,421.8  
 Noise: 0.7

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

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	44.37	44	12.85	441.1	
3	45.83	55	17.15	468.7	
4	53.22	129	365.46	4,294.4	
5	55.82	158	237.51	2,283.5	
6	57.74	179	151.67	1,285.9	
7	58.61	188	62.40	502.2	
8	59.47	198	74.05	567.2	
9	64.86	258	55.29	324.4	
10	65.63	267	86.13	488.9	
11	67.87	292	47.49	246.4	
12	68.92	304	56.13	279.6	
13	70.24	320	88.83	419.9	
14	72.93	354	36.56	156.6	
15	73.62	362	79.34	331.9	
16	75.03	380	32.03	127.9	
17	76.08	393	54.06	208.7	
18	79.05	441	26.02	89.3	
19	82.29	498	26.98	82.1	
20	83.16	516	28.46	83.6	
21	84.39	542	25.20	70.4	
22	86.49	587	18.76	48.4	
23	87.26	606	19.91	49.8	
24	87.99	628	14.75	35.6	
25	88.63	648	18.31	42.8	

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-04-09\2014-04-09\_004.xad

Created: 4/9/2014 3:30:23 PM  
 Modified: 4/9/2014 4:04:31 PM

**Electropherogram Summary Continued ...**

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

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
26	89.86	686	16.48	36.4	
27	90.73	731	20.60	42.7	
28	93.79	952	11.96	19.0	
29	94.75	1,044	13.13	19.1	
30	96.12	1,255	8.25	10.0	
31	97.44	1,459	10.42	10.8	
32	97.90	1,529	7.57	7.5	
33	100.13	1,874	11.26	9.1	
34	101.68	2,221	5.20	3.5	
35	102.92	2,593	5.05	3.0	
36	103.65	2,814	6.84	3.7	
37	104.92	3,525	4.44	1.9	
38	108.62	6,453	3.70	0.9	
39	109.03	6,779	3.57	0.8	
40	111.08	8,625	3.55	0.6	
41	113.00	10,380	75.00	10.9	Upper Marker
42	115.74	12,887	0.00	0.0	

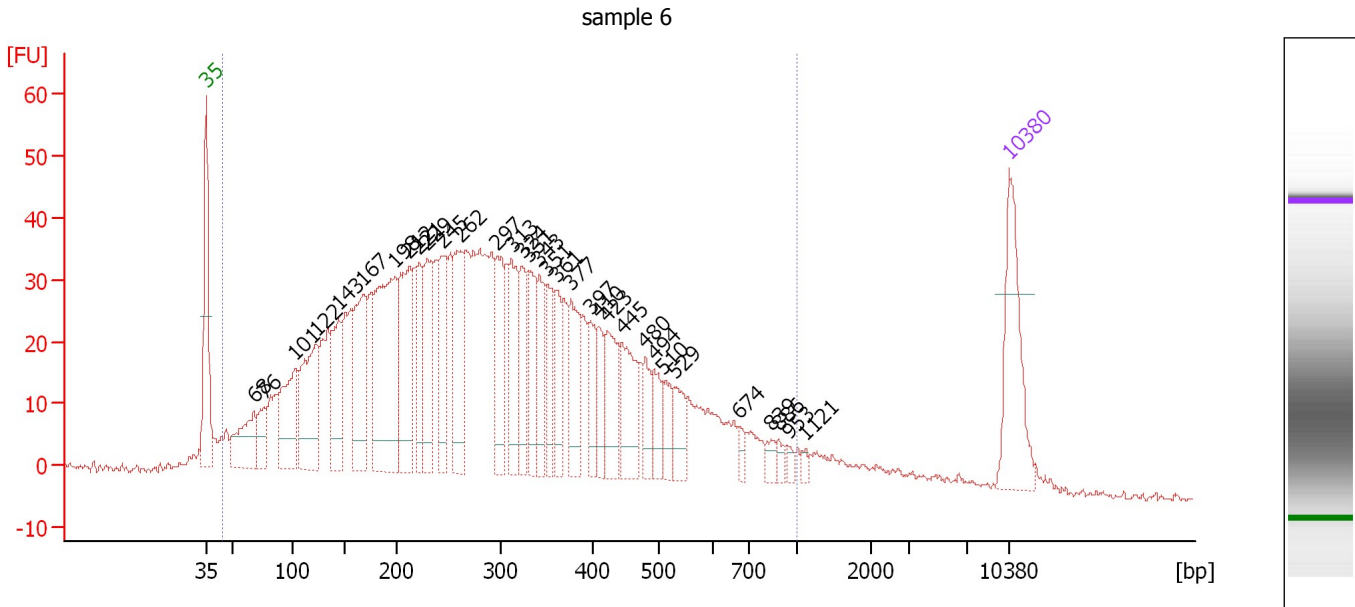
**Region table for sample 5 : sample 5**

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. for Area	% of Total	Size distribution in CV [%]
50	1,000	342	20,374.3	2,822.75	2,421.8	90	54.5

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-04-09\2014-04-09\_004.xad

Created: 4/9/2014 3:30:23 PM  
 Modified: 4/9/2014 4:04:31 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : sample 6**

Number of peaks found: 33                      Corr. Area 1: 1,699.8  
 Noise: 0.6

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

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	47.14	68	78.12	1,749.4	
3	48.07	76	37.77	749.4	
4	50.72	101	110.61	1,653.7	
5	52.58	122	130.86	1,627.5	
6	54.53	143	87.28	922.7	
7	56.71	167	123.16	1,114.8	
8	59.45	198	221.33	1,697.2	
9	60.71	212	130.74	936.0	
10	61.55	221	63.64	436.3	
11	62.29	229	87.93	580.8	
12	63.68	245	77.08	476.6	
13	65.17	262	89.81	519.9	
14	68.33	297	75.72	386.0	
15	69.63	313	74.99	363.0	
16	70.52	324	49.37	231.0	
17	71.07	331	62.02	284.1	
18	72.05	343	54.83	242.3	
19	72.70	351	45.55	196.7	
20	73.49	361	40.00	168.1	
21	74.79	377	68.24	274.5	
22	76.47	397	35.57	135.7	
23	77.26	410	29.32	108.3	
24	78.00	423	59.68	213.8	
25	79.25	445	63.61	216.6	

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-04-09\2014-04-09\_004.xad

Created: 4/9/2014 3:30:23 PM  
 Modified: 4/9/2014 4:04:31 PM

**Electropherogram Summary Continued ...**

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

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
26	81.25	480	29.48	93.1	
27	82.09	494	28.32	86.8	
28	82.88	510	24.03	71.4	
29	83.76	529	30.39	87.0	
30	89.48	674	8.41	18.9	
31	92.22	839	9.76	17.6	
32	92.87	886	7.35	12.6	
33	93.80	953	4.80	7.6	
34	95.24	1,121	4.48	6.1	
35	▶ 113.00	10,380	75.00	10.9	Upper Marker

**Region table for sample 6 : sample 6**

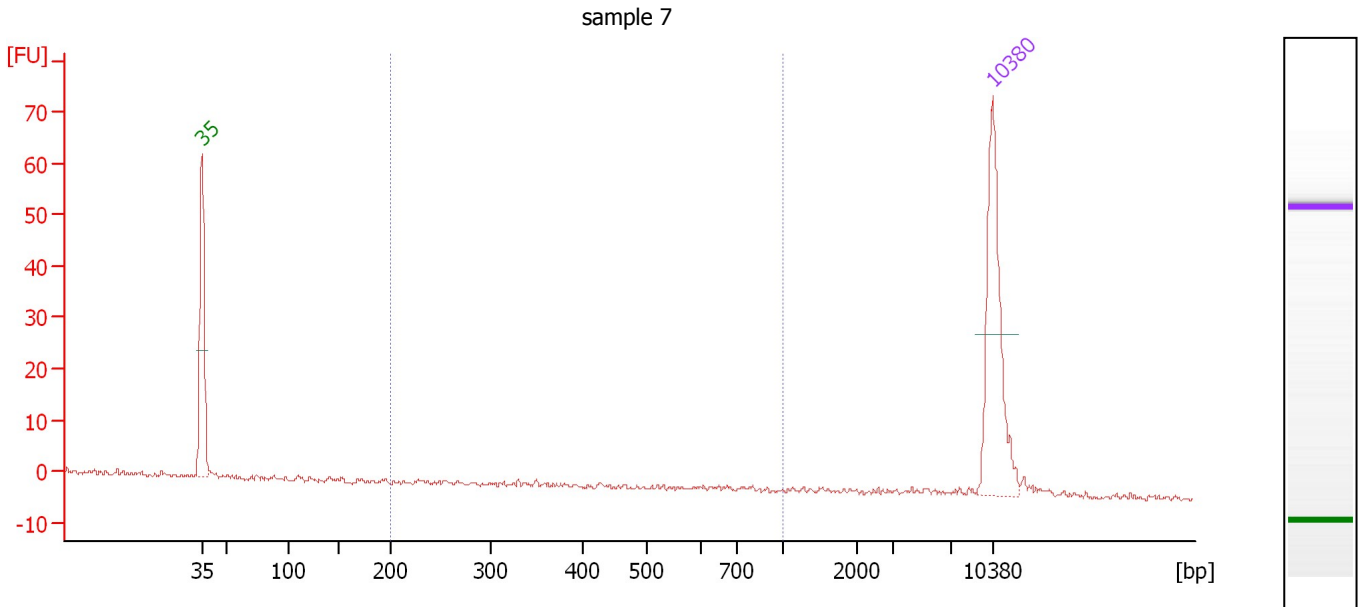
From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
45	1,000	311	24,240.8	3,130.16	■ 1,699.8	95	52.4



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-04-09\2014-04-09\_004.xad

Created: 4/9/2014 3:30:23 PM  
 Modified: 4/9/2014 4:04:31 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : sample 7**

Number of peaks found: 0                      Corr. Area 1: 0.6  
 Noise: 0.4

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

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	113.00	10,380	75.00	10.9	Upper Marker

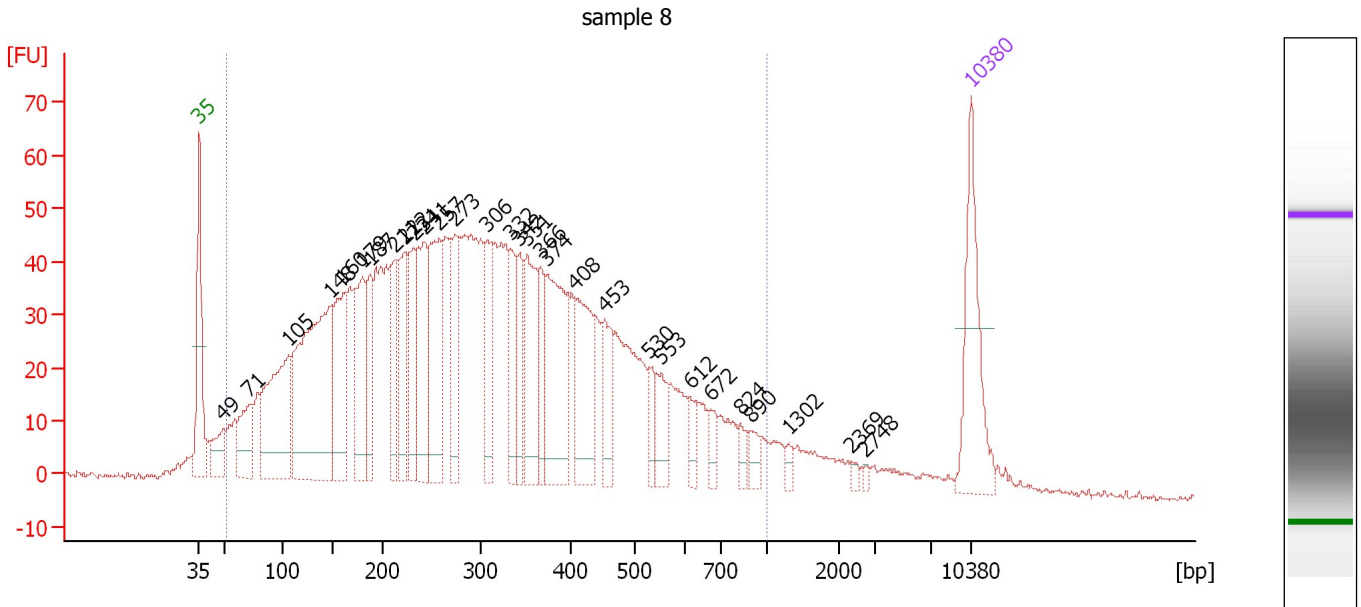
**Region table for sample 7 : sample 7**

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	526	2.2	0.63	0.6	7	35.0

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-04-09\2014-04-09\_004.xad

Created: 4/9/2014 3:30:23 PM  
 Modified: 4/9/2014 4:04:31 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : sample 8**

Number of peaks found: 30                      Corr. Area 1: 2,238.4  
 Noise: 0.6

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

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	45.13	49	41.62	1,281.9	
3	47.54	71	61.11	1,295.4	
4	51.07	105	181.49	2,612.0	
5	54.99	148	307.71	3,141.5	
6	56.05	160	112.63	1,065.7	
7	57.79	179	104.61	884.0	
8	58.52	187	62.11	502.5	
9	60.69	211	67.20	481.5	
10	61.66	222	81.64	556.4	
11	62.43	231	72.32	474.3	
12	63.35	241	105.39	661.7	
13	64.75	257	121.84	718.2	
14	66.20	273	69.11	383.1	
15	69.10	306	58.54	289.4	
16	71.18	332	52.86	241.2	
17	72.01	342	47.13	208.6	
18	72.68	351	89.43	386.5	
19	73.94	366	41.87	173.3	
20	74.57	374	130.22	527.7	
21	77.13	408	87.37	324.6	
22	79.74	453	47.29	158.1	
23	83.80	530	18.79	53.7	
24	84.86	553	31.49	86.3	
25	87.48	612	13.74	34.0	

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-04-09\2014-04-09\_004.xad

Created: 4/9/2014 3:30:23 PM  
 Modified: 4/9/2014 4:04:31 PM

### Electropherogram Summary Continued ...

#### ... Peak table for sample 8 : sample 8

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
26	89.41	672	15.58	35.1	
27	92.02	824	10.21	18.8	
28	92.94	890	11.90	20.3	
29	96.42	1,302	5.92	6.9	
30	102.17	2,369	3.64	2.3	
31	103.43	2,748	2.52	1.4	
32	113.00	10,380	75.00	10.9	Upper Marker

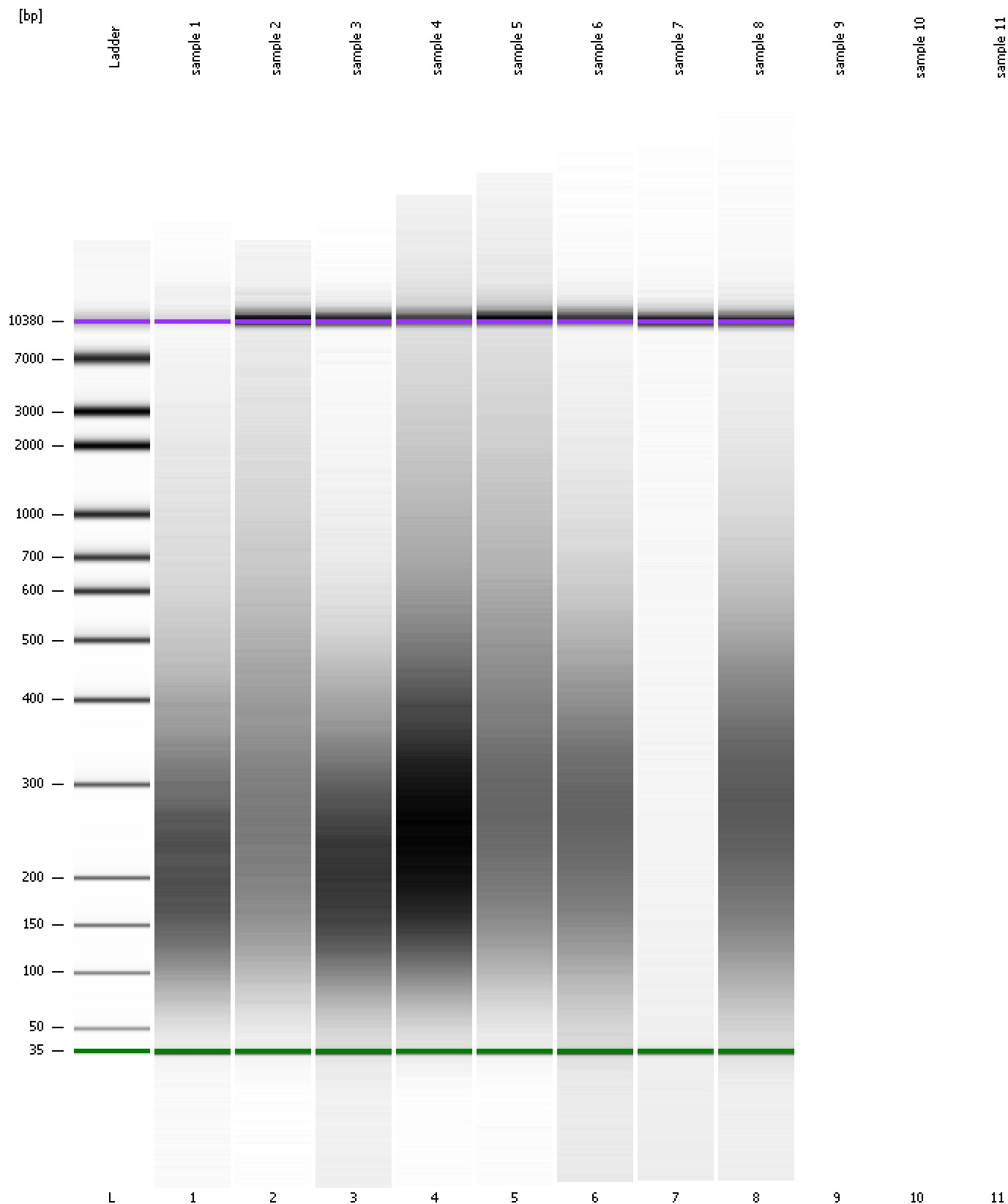
#### Region table for sample 8 : sample 8

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
52	1,000	321	23,345.0	3,106.45	2,238.4	93	52.9

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-04-09\2014-04-09\_004.xad

Created: 4/9/2014 3:30:23 PM  
Modified: 4/9/2014 4:04:31 PM

**Gel Image**



Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-04-09\2014-04-09\_004.xad

Created: 4/9/2014 3:30:23 PM  
Modified: 4/9/2014 4:04:31 PM

**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 Created: 4/9/2014 3:30:23 PM  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-04-09\2014-04-09\_004.xad Modified: 4/9/2014 4:04:31 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		4/9/2014 4:03:07 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2014-04-09\2014-04-09_004.xad)		Instrument	Run		4/9/2014 3:30:29 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		4/9/2014 3:30:29 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		4/9/2014 3:30:29 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		4/9/2014 3:30:29 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		4/9/2014 3:30:29 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		4/9/2014 3:30:29 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		4/9/2014 3:30:29 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1