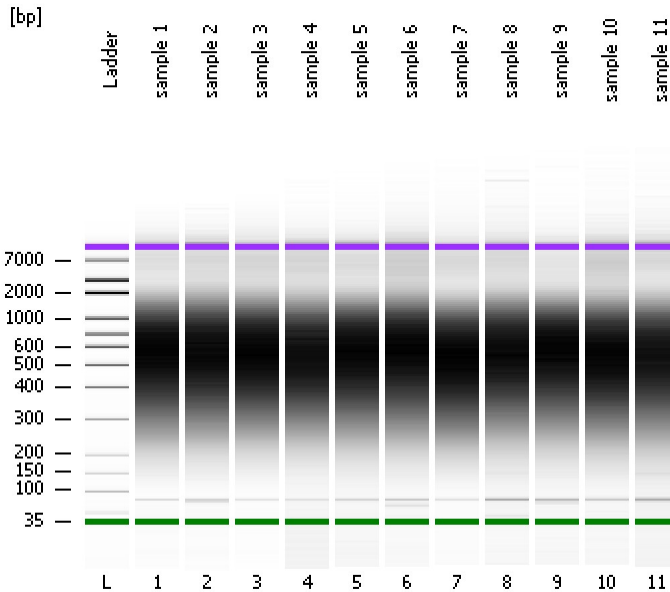


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2014-12-01\2014-12-01_001.xad

Created: 12/1/2014 10:09:00 AM
Modified: 12/1/2014 11:21:18 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

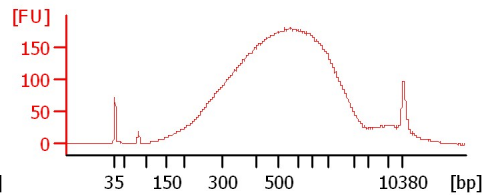
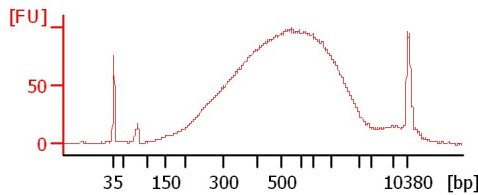
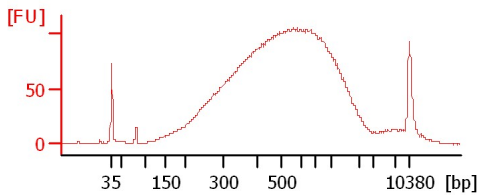
Chip Information:

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

sample 1

sample 2

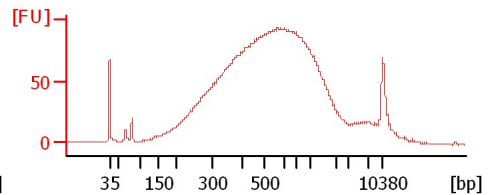
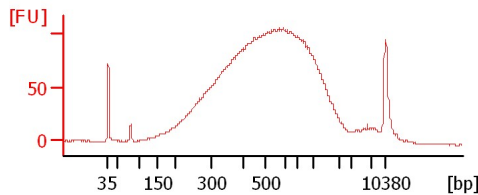
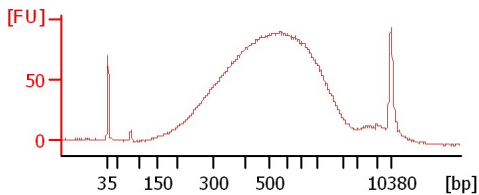
sample 3



sample 4

sample 5

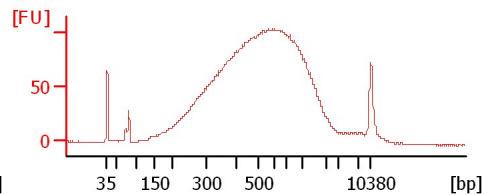
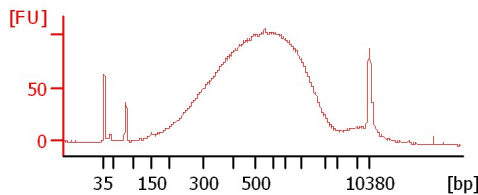
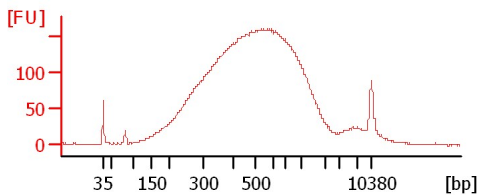
sample 6



sample 7

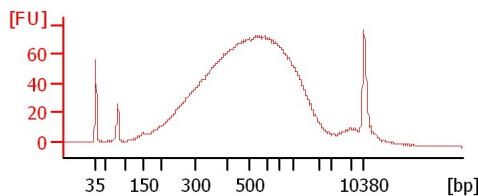
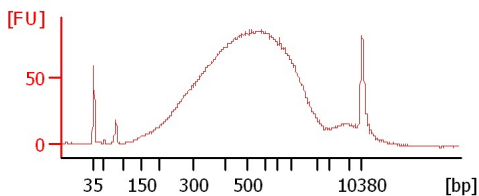
sample 8

sample 9



sample 10

sample 11



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-12-01\2014-12-01_001.xad

Created: 12/1/2014 10:09:00 AM
 Modified: 12/1/2014 11:21:18 AM

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\2014-12-01\2014-12-01_001.xad

Created: 12/1/2014 10:09:00 AM
Modified: 12/1/2014 11:21:18 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

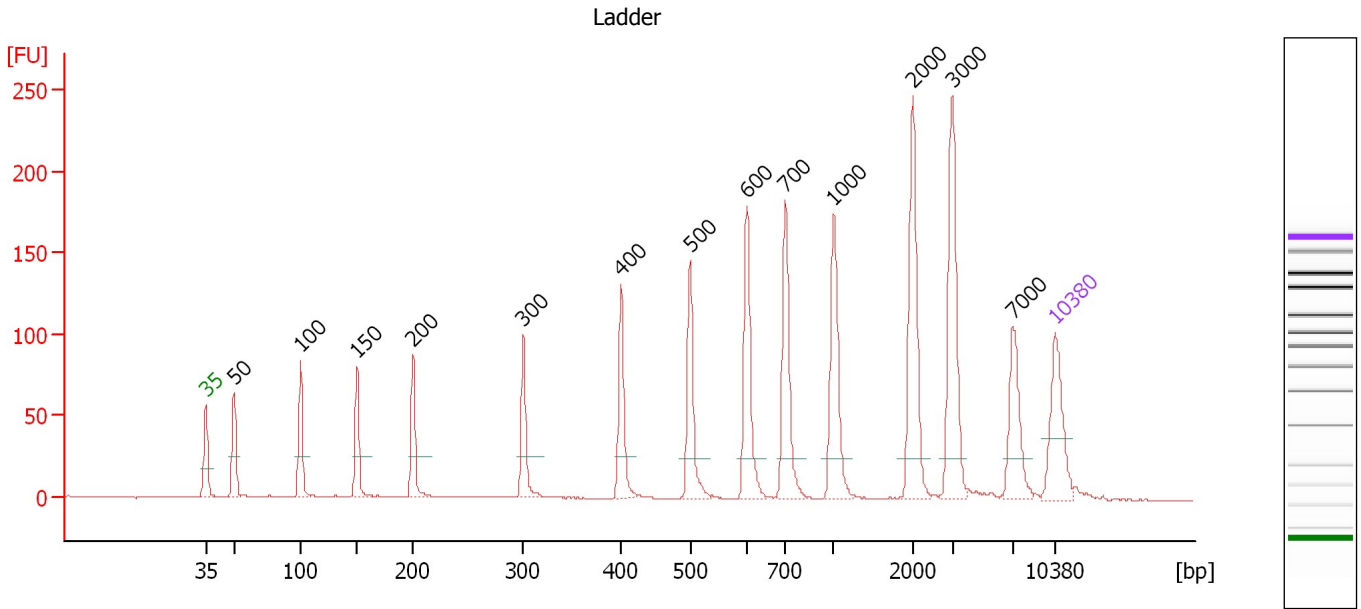
Ladder

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\2014-12-01\2014-12-01_001.xad

Created: 12/1/2014 10:09:00 AM
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Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

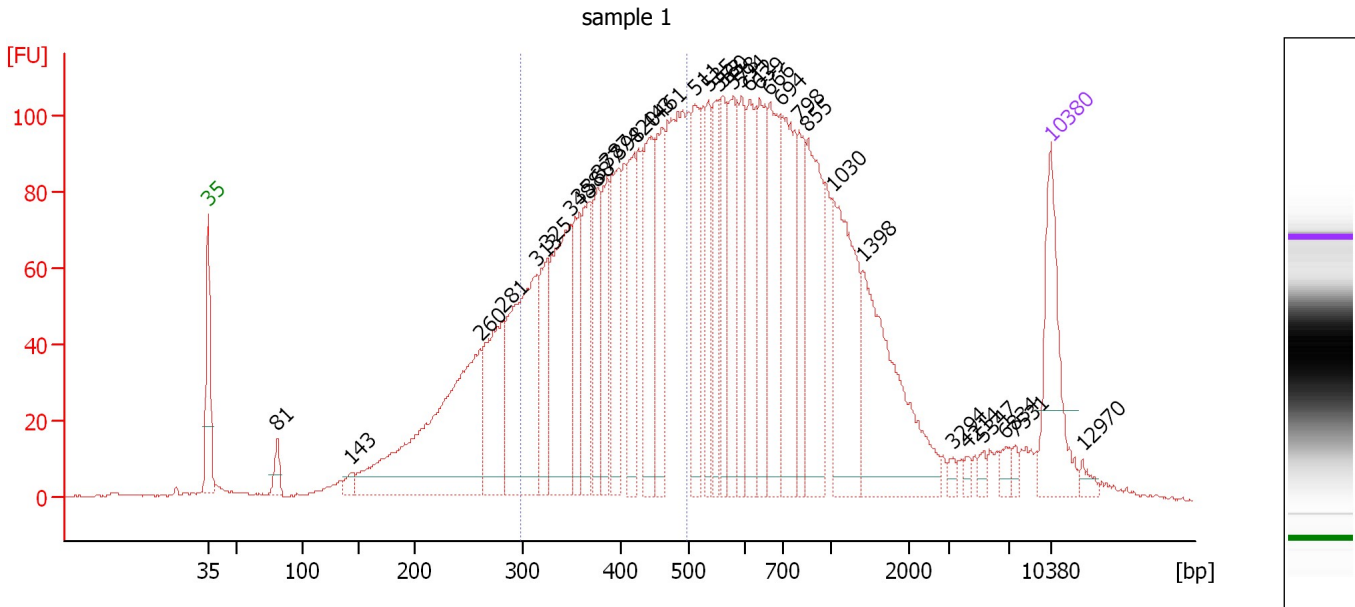
Peak table for Ladder

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	50	150.00	4,545.5	Ladder Peak
3	100	150.00	2,272.7	Ladder Peak
4	150	150.00	1,515.2	Ladder Peak
5	200	150.00	1,136.4	Ladder Peak
6	300	150.00	757.6	Ladder Peak
7	400	150.00	568.2	Ladder Peak
8	500	150.00	454.5	Ladder Peak
9	600	150.00	378.8	Ladder Peak
10	700	150.00	324.7	Ladder Peak
11	1,000	150.00	227.3	Ladder Peak
12	2,000	150.00	113.6	Ladder Peak
13	3,000	150.00	75.8	Ladder Peak
14	7,000	150.00	32.5	Ladder Peak
15	10,380	75.00	10.9	Upper Marker

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-12-01\2014-12-01_001.xad

Created: 12/1/2014 10:09:00 AM
 Modified: 12/1/2014 11:21:18 AM

Electropherogram Summary Continued ...



Overall Results for sample 1 : sample 1

Number of peaks found: 35 Corr. Area 1: 1,495.8
 Noise: 0.2

Peak table for sample 1 : sample 1

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	81	20.73	388.5	
3	143	11.81	125.1	
4	260	336.73	1,961.1	
5	281	131.78	710.3	
6	313	211.32	1,021.8	
7	325	73.88	344.5	
8	348	175.06	762.0	
9	358	74.10	313.6	
10	368	84.36	347.4	
11	377	63.59	255.4	
12	387	73.23	286.9	
13	398	97.31	370.2	
14	420	80.68	290.9	
15	443	117.17	400.8	
16	461	93.96	308.9	
17	511	100.66	298.3	
18	535	63.60	180.2	
19	553	67.26	184.4	
20	560	62.18	168.1	
21	578	88.16	231.0	
22	594	67.60	172.4	
23	612	84.42	208.8	
24	639	89.11	211.3	
25	666	101.10	230.1	
26	694	132.30	288.9	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-12-01\2014-12-01_001.xad


Created: 12/1/2014 10:09:00 AM
 Modified: 12/1/2014 11:21:18 AM

Electropherogram Summary Continued ...

... Peak table for sample 1 : sample 1

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
27	798	66.18	125.6	
28	855	123.17	218.3	
29	1,030	136.69	201.1	
30	1,398	158.48	171.8	
31	3,294	5.14	2.4	
32	4,214	4.77	1.7	
33	5,347	5.52	1.6	
34	6,834	7.69	1.7	
35	7,531	4.76	1.0	
36	10,380	75.00	10.9	Upper Marker
37	12,970	0.00	0.0	

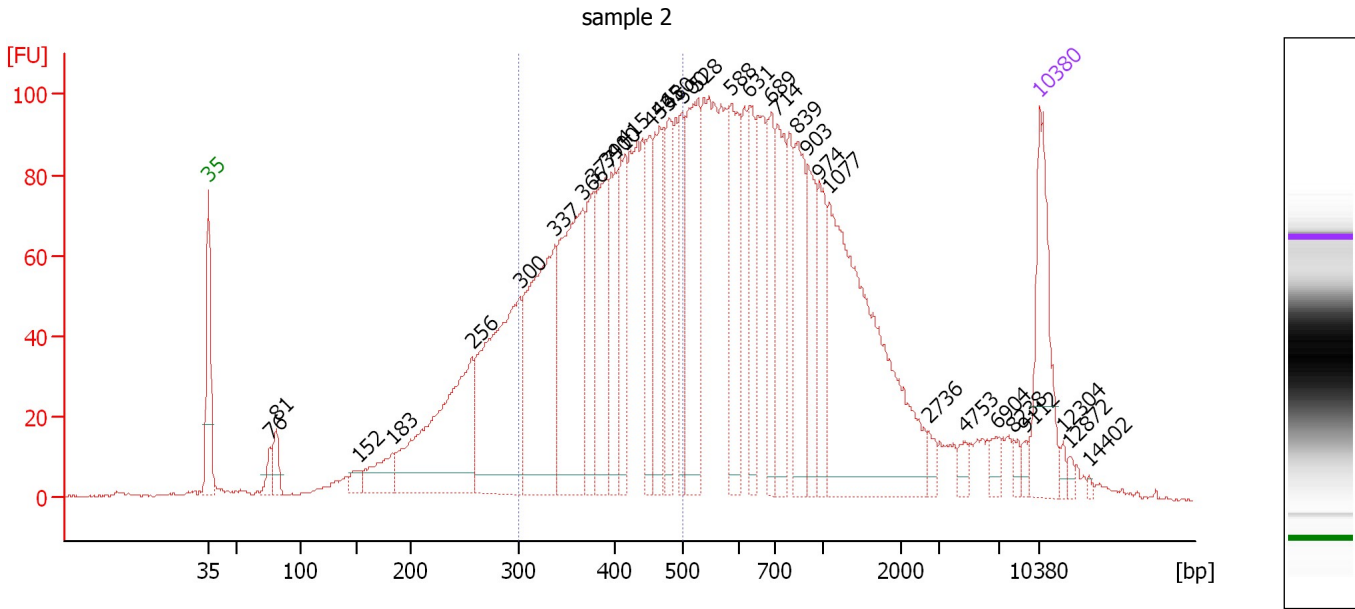
Region table for sample 1 : sample 1

From [bp]	Average Size [bp]	To [bp]	Corr. Area	% of Total	Size distribution in CV [%]	Conc. [pg/µl]	Molarity [pmol/l]	Color
298	399	498	1,495.8	37	14.2	1,411.31	5,489.1	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-12-01\2014-12-01_001.xad

Created: 12/1/2014 10:09:00 AM
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Electropherogram Summary Continued ...



Overall Results for sample 2 : sample 2

Number of peaks found: 33 Corr. Area 1: 1,396.7
 Noise: 0.5

Peak table for sample 2 : sample 2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	76	18.30	363.9	
3	81	25.20	473.0	
4	152	14.55	145.1	
5	183	41.84	347.1	
6	256	228.94	1,355.4	
7	300	252.23	1,272.2	
8	337	224.03	1,006.5	
9	366	213.15	881.7	
10	377	72.01	289.0	
11	391	112.42	435.8	
12	400	79.04	299.0	
13	415	81.23	296.7	
14	453	60.92	203.9	
15	465	84.86	276.2	
16	480	71.87	226.6	
17	500	62.43	189.4	
18	528	141.18	405.1	
19	588	102.50	264.0	
20	631	63.15	151.7	
21	689	57.81	127.2	
22	714	87.17	184.9	
23	839	83.29	150.5	
24	903	59.65	100.1	
25	974	48.53	75.5	
26	1,077	293.06	412.3	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-12-01\2014-12-01_001.xad


Created: 12/1/2014 10:09:00 AM
 Modified: 12/1/2014 11:21:18 AM

Electropherogram Summary Continued ...

... Peak table for sample 2 : sample 2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	2,736	8.50	4.7	
28	4,753	8.20	2.6	
29	6,904	8.29	1.8	
30	8,238	5.85	1.1	
31	9,112	5.69	0.9	
32	10,380	75.00	10.9	Upper Marker
33	12,304	0.00	0.0	
34	12,872	0.00	0.0	
35	14,402	0.00	0.0	

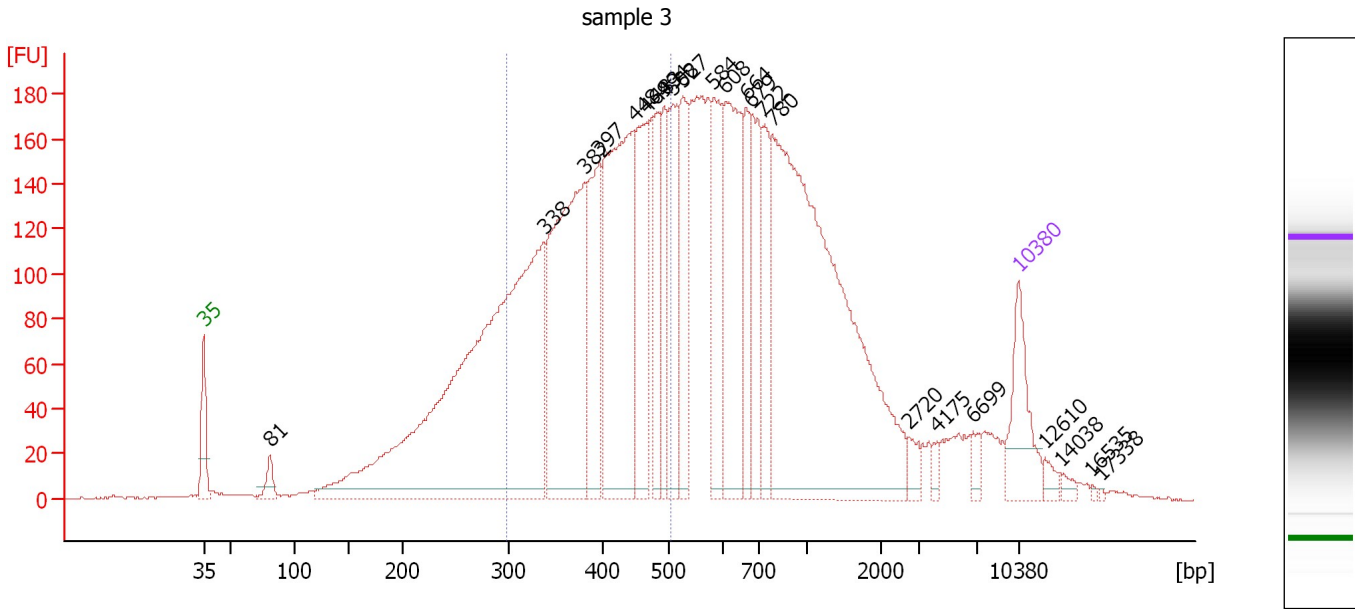
Region table for sample 2 : sample 2

From [bp]	Average Size [bp]	To [bp]	Corr. Area	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
300	402	502	1,396.7	37	14.1	1,321.81	5,107.1	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-12-01\2014-12-01_001.xad

Created: 12/1/2014 10:09:00 AM
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Electropherogram Summary Continued ...



Overall Results for sample 3 : sample 3

Number of peaks found: 23 Corr. Area 1: 2,606.9
 Noise: 0.5

Peak table for sample 3 : sample 3


Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	81	31.14	583.0	
3	338	1,073.32	4,814.5	
4	382	474.55	1,884.0	
5	397	174.51	666.0	
6	448	438.22	1,481.0	
7	469	173.51	561.1	
8	483	95.80	300.5	
9	494	96.03	294.3	
10	508	153.81	458.9	
11	527	129.93	373.3	
12	584	139.05	360.9	
13	608	248.74	620.0	
14	664	82.41	187.9	
15	679	124.43	277.7	
16	722	101.97	214.0	
17	780	861.00	1,671.9	
18	2,720	15.62	8.7	
19	4,175	8.15	3.0	
20	6,699	12.98	2.9	
21	10,380	75.00	10.9	Upper Marker
22	12,610	0.00	0.0	
23	14,038	0.00	0.0	
24	16,535	0.00	0.0	
25	17,338	0.00	0.0	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2014-12-01\2014-12-01_001.xad

Created: 12/1/2014 10:09:00 AM
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Electropherogram Summary Continued ...

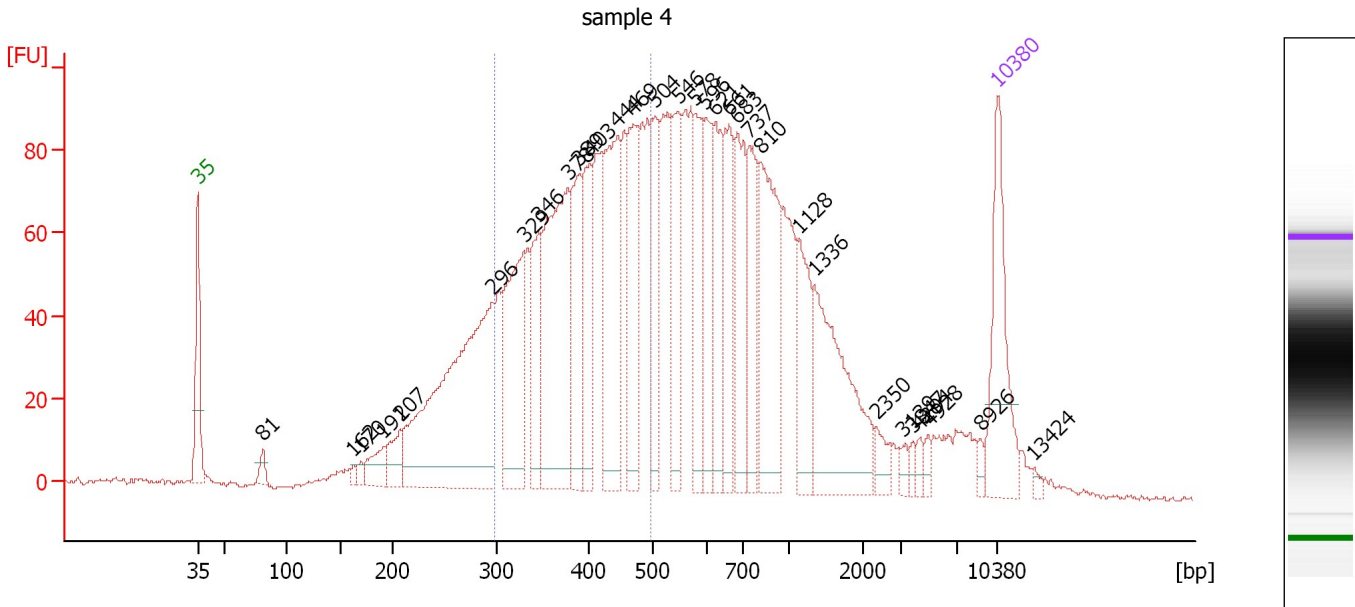
... Region table for sample 3 : sample 3

From [bp]	Average Size [bp]	To [bp]	Corr. Area	% of Total	Size distribution in CV [%]	Conc. [pg/ μ l]	Molarity [pmol/l]	Color
299	403	506	2,606.9	38	14.4	2,027.88	7,818.6	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-12-01\2014-12-01_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 4 : sample 4

Number of peaks found: 31 Corr. Area 1: 1,296.9
 Noise: 0.6

Peak table for sample 4 : sample 4

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	81	12.31	231.2	
3	162	5.93	55.3	
4	170	6.82	60.7	
5	191	28.74	228.3	
6	207	30.17	220.8	
7	296	339.01	1,736.6	
8	329	143.73	661.0	
9	346	77.78	340.9	
10	378	208.85	837.9	
11	389	91.31	355.4	
12	403	79.97	300.8	
13	444	144.28	492.3	
14	469	103.87	335.8	
15	504	76.32	229.4	
16	546	81.20	225.5	
17	578	68.87	180.4	
18	596	62.48	158.8	
19	621	72.51	176.9	
20	661	72.18	165.5	
21	683	81.24	180.2	
22	737	70.37	144.7	
23	810	128.98	241.2	
24	1,128	56.28	75.6	
25	1,336	126.95	144.0	
26	2,350	11.90	7.7	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-12-01\2014-12-01_001.xad


Created: 12/1/2014 10:09:00 AM
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Electropherogram Summary Continued ...

... Peak table for sample 4 : sample 4

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	3,139	5.61	2.7	
28	3,847	4.78	1.9	
29	4,294	5.53	2.0	
30	4,928	5.32	1.6	
31	8,926	4.84	0.8	
32	10,380	75.00	10.9	Upper Marker
33	13,424	0.00	0.0	

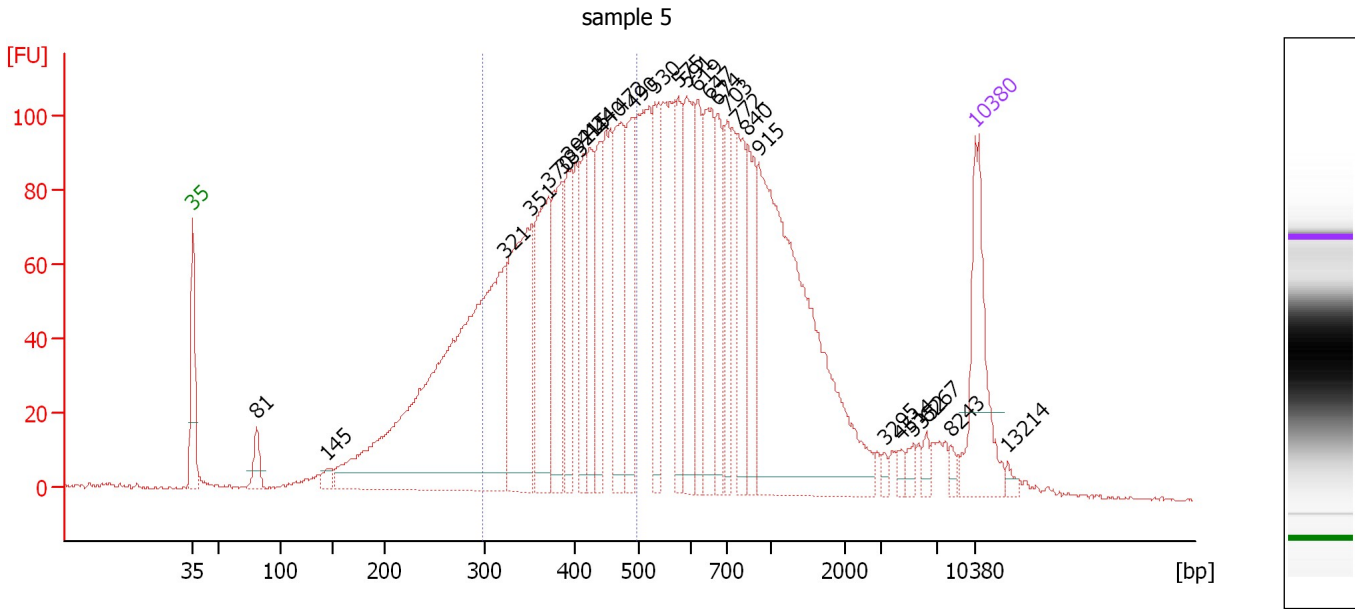
Region table for sample 4 : sample 4

From [bp]	Average Size [bp]	To [bp]	Corr. Area	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
299	399	497	1,296.9	38	13.9	1,181.21	4,592.0	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-12-01\2014-12-01_001.xad

Created: 12/1/2014 10:09:00 AM
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Electropherogram Summary Continued ...



Overall Results for sample 5 : sample 5

Number of peaks found: 28 Corr. Area 1: 1,484.7
 Noise: 0.4

Peak table for sample 5 : sample 5

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	81	24.69	462.2	
3	145	11.93	124.6	
4	321	566.33	2,669.4	
5	351	185.45	800.3	
6	370	127.39	521.5	
7	385	98.04	385.9	
8	392	70.34	271.8	
9	415	58.17	212.5	
10	424	72.70	259.7	
11	440	63.86	219.9	
12	472	98.87	317.3	
13	490	79.89	247.2	
14	530	74.38	212.5	
15	575	57.19	150.7	
16	591	98.79	253.2	
17	619	58.74	143.9	
18	647	95.36	223.2	
19	674	61.19	137.5	
20	703	52.36	112.8	
21	772	70.51	138.5	
22	840	61.21	110.5	
23	915	367.94	609.5	
24	3,295	3.97	1.8	
25	4,514	4.69	1.6	
26	5,352	6.72	1.9	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-12-01\2014-12-01_001.xad


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Electropherogram Summary Continued ...

... Peak table for sample 5 : sample 5

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	6,267	6.91	1.7	
28	8,243	4.92	0.9	
29	10,380	75.00	10.9	Upper Marker
30	13,214	0.00	0.0	

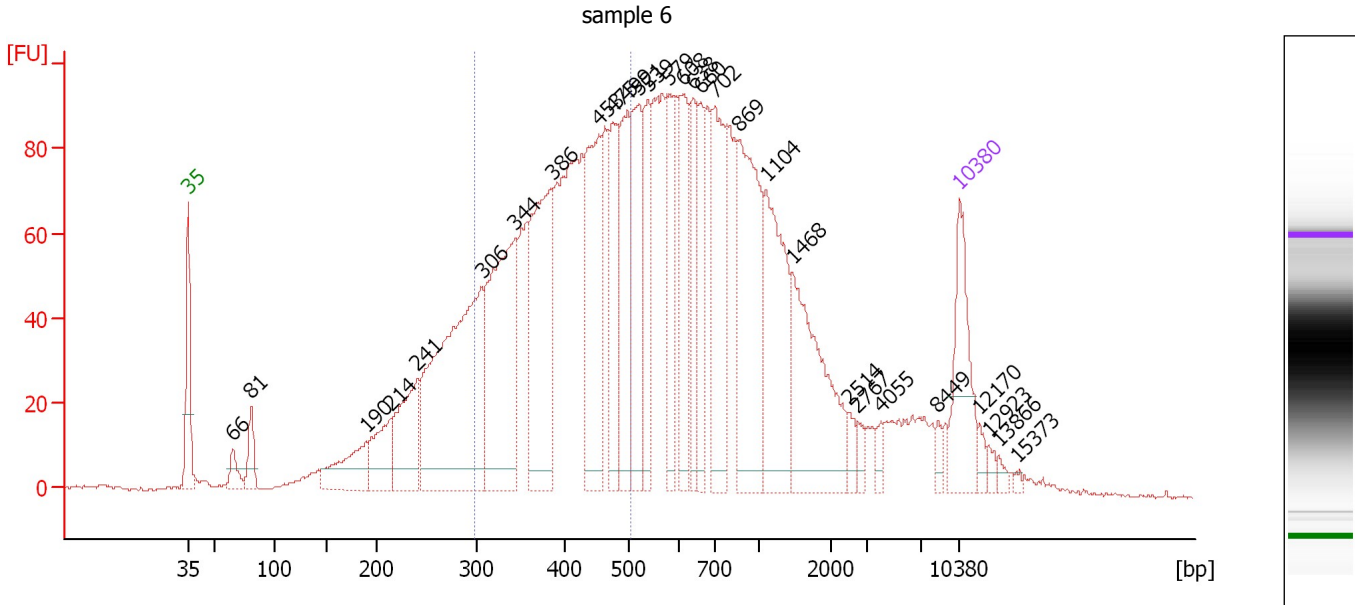
Region table for sample 5 : sample 5

From [bp]	Average Size [bp]	To [bp]	Corr. Area	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
296	398	498	1,484.7	38	14.3	1,227.98	4,787.6	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-12-01\2014-12-01_001.xad

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 Modified: 12/1/2014 11:21:18 AM

Electropherogram Summary Continued ...



Overall Results for sample 6 : sample 6

Number of peaks found: 29 Corr. Area 1: 1,318.2
 Noise: 0.4

Peak table for sample 6 : sample 6

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	66	26.80	617.2	
3	81	38.60	724.2	
4	190	81.09	647.1	
5	214	68.22	482.6	
6	241	115.31	725.6	
7	306	399.99	1,981.9	
8	344	278.08	1,225.9	
9	386	231.82	910.4	
10	453	180.44	603.2	
11	475	116.88	372.5	
12	499	117.23	355.7	
13	521	133.77	389.2	
14	539	91.25	256.4	
15	579	82.68	216.2	
16	608	95.84	239.0	
17	638	74.09	175.9	
18	660	68.33	156.9	
19	702	142.67	307.8	
20	869	198.69	346.3	
21	1,104	151.49	207.9	
22	1,468	159.71	164.8	
23	2,514	12.04	7.3	
24	2,767	9.49	5.2	
25	4,055	8.70	3.3	
26	8,449	7.73	1.4	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-12-01\2014-12-01_001.xad


Created: 12/1/2014 10:09:00 AM
 Modified: 12/1/2014 11:21:18 AM

Electropherogram Summary Continued ...

... Peak table for sample 6 : sample 6

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	10,380	75.00	10.9	Upper Marker
28	12,170	0.00	0.0	
29	12,923	0.00	0.0	
30	13,866	0.00	0.0	
31	15,373	0.00	0.0	

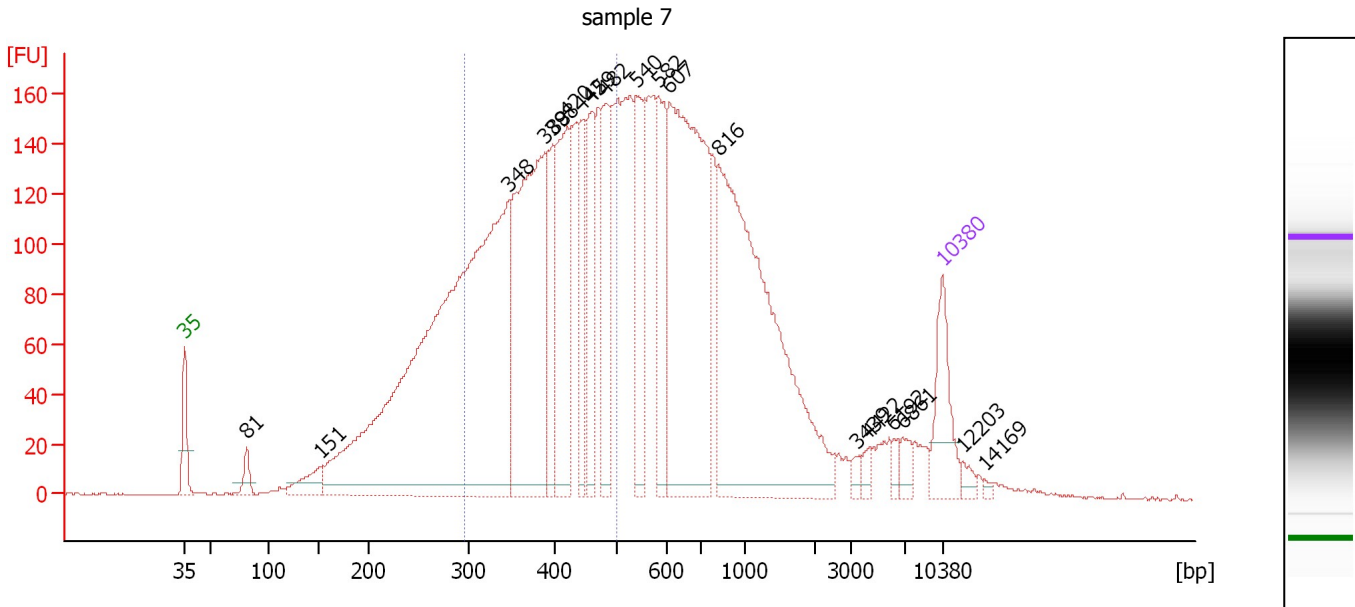
Region table for sample 6 : sample 6

From [bp]	Average Size [bp]	To [bp]	Corr. Area	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
297	403	507	1,318.2	37	14.7	1,536.80	5,933.7	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-12-01\2014-12-01_001.xad

Created: 12/1/2014 10:09:00 AM
 Modified: 12/1/2014 11:21:18 AM

Electropherogram Summary Continued ...



Overall Results for sample 7 : sample 7

Number of peaks found: 19 Corr. Area 1: 2,409.5
 Noise: 0.4

Peak table for sample 7 : sample 7

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	81	32.65	608.7	
3	151	54.80	550.3	
4	348	1,358.25	5,913.7	
5	388	524.93	2,047.6	
6	398	113.27	431.6	
7	420	229.37	827.3	
8	442	117.37	402.5	
9	459	143.06	472.0	
10	482	161.34	507.4	
11	540	160.50	450.5	
12	582	149.58	389.6	
13	607	562.41	1,403.5	
14	816	690.52	1,282.3	
15	3,439	9.68	4.3	
16	4,422	10.46	3.6	
17	6,192	10.87	2.7	
18	6,861	16.55	3.7	
19	10,380	75.00	10.9	Upper Marker
20	12,203	0.00	0.0	
21	14,169	0.00	0.0	

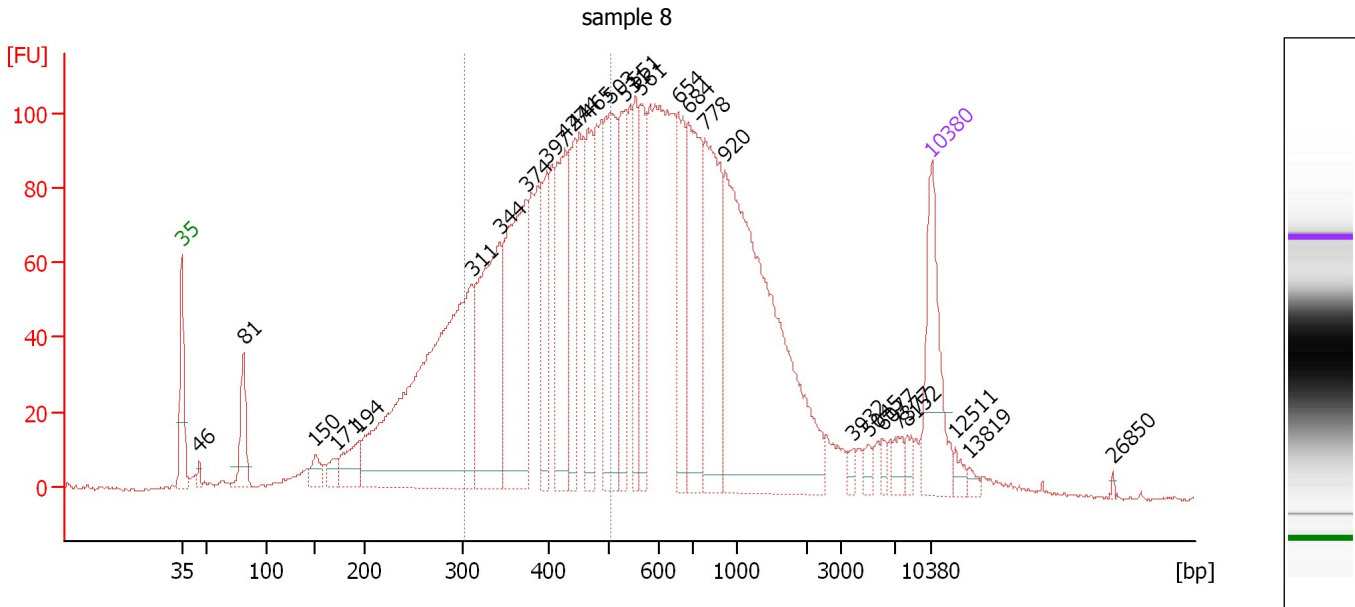
Region table for sample 7 : sample 7

From [bp]	Average Size [bp]	To [bp]	Corr. Area	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
296	397	500	2,409.5	39	14.5	2,239.03	8,768.8	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-12-01\2014-12-01_001.xad

Created: 12/1/2014 10:09:00 AM
 Modified: 12/1/2014 11:21:18 AM

Electropherogram Summary Continued ...



Overall Results for sample 8 : sample 8

Number of peaks found: 28 Corr. Area 1: 1,419.2
 Noise: 0.5

Peak table for sample 8 : sample 8

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	46	7.54	250.5	
3	81	58.23	1,084.7	
4	150	19.86	200.5	
5	171	17.66	156.9	
6	194	40.33	315.4	
7	311	486.48	2,371.0	
8	344	209.99	925.8	
9	374	217.10	879.5	
10	397	79.31	302.3	
11	427	133.56	473.7	
12	444	84.64	288.9	
13	465	97.09	316.4	
14	503	147.75	444.9	
15	531	95.33	272.2	
16	551	68.71	189.0	
17	561	71.86	193.9	
18	654	90.08	208.6	
19	684	146.83	325.2	
20	778	156.67	305.1	
21	920	397.10	654.0	
22	3,932	5.73	2.2	
23	5,045	7.34	2.2	
24	6,077	5.99	1.5	
25	7,377	10.96	2.3	
26	8,152	8.05	1.5	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-12-01\2014-12-01_001.xad

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Electropherogram Summary Continued ...

... Peak table for sample 8 : sample 8

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	10,380	75.00	10.9	Upper Marker
28	12,511	0.00	0.0	
29	13,819	0.00	0.0	
30	26,850	0.00	0.0	

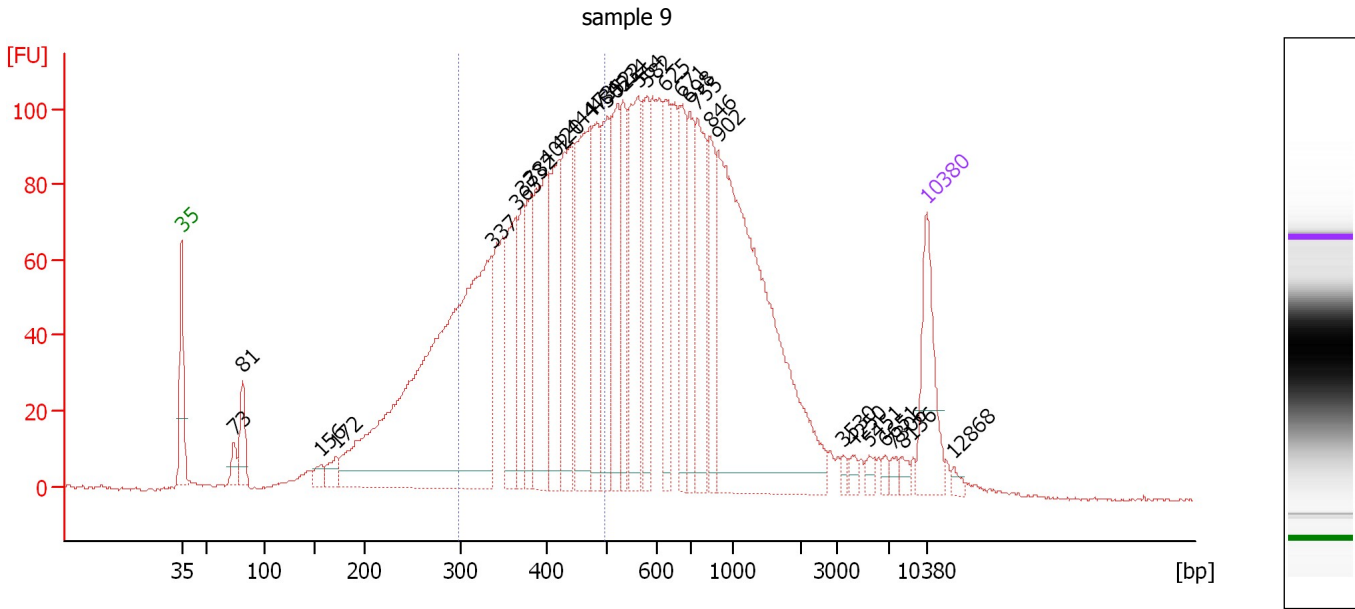
Region table for sample 8 : sample 8

From [bp]	Average Size [bp]	To [bp]	Corr. Area	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
302	403	501	1,419.2	36	14.0	1,331.41	5,128.4	■

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-12-01\2014-12-01_001.xad

Created: 12/1/2014 10:09:00 AM
 Modified: 12/1/2014 11:21:18 AM

Electropherogram Summary Continued ...



Overall Results for sample 9 : sample 9

Number of peaks found: 31 Corr. Area 1: 1,375.1
 Noise: 0.4

Peak table for sample 9 : sample 9

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	73	23.00	474.1	
3	81	54.29	1,018.1	
4	156	15.03	145.5	
5	172	24.46	215.2	
6	337	810.01	3,642.1	
7	365	131.25	544.8	
8	373	77.11	313.1	
9	382	84.59	335.1	
10	402	183.91	693.8	
11	420	134.26	484.1	
12	444	157.92	538.8	
13	473	215.42	689.7	
14	484	110.00	344.5	
15	502	123.36	372.5	
16	522	116.07	336.9	
17	534	88.38	250.9	
18	564	164.03	440.9	
19	582	90.39	235.4	
20	625	106.49	258.1	
21	671	86.50	195.3	
22	698	84.91	184.3	
23	755	125.01	250.7	
24	846	77.89	139.5	
25	902	550.21	924.2	
26	3,530	5.28	2.3	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-12-01\2014-12-01_001.xad


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Electropherogram Summary Continued ...

... Peak table for sample 9 : sample 9

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	4,250	6.44	2.3	
28	5,451	8.31	2.3	
29	6,651	6.39	1.5	
30	7,306	6.65	1.4	
31	8,136	7.28	1.4	
32	10,380	75.00	10.9	Upper Marker
33	12,868	0.00	0.0	

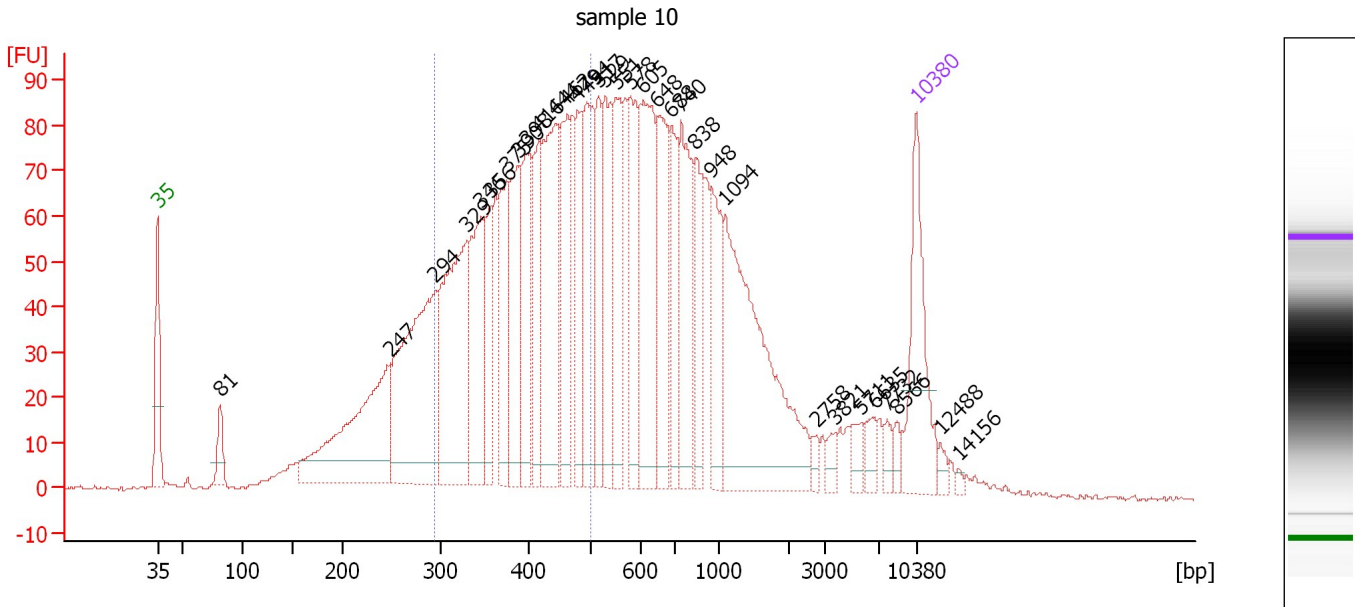
Region table for sample 9 : sample 9

From [bp]	Average Size [bp]	To [bp]	Corr. Area	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
298	398	496	1,375.1	36	14.1	1,653.94	6,441.7	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-12-01\2014-12-01_001.xad

Created: 12/1/2014 10:09:00 AM
 Modified: 12/1/2014 11:21:18 AM

Electropherogram Summary Continued ...



Overall Results for sample 10 : sample 10

Number of peaks found: 33 Corr. Area 1: 1,265.5
 Noise: 0.4

Peak table for sample 10 : sample 10

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	81	29.17	545.3	
3	247	202.89	1,242.7	
4	294	245.77	1,267.1	
5	329	195.17	899.4	
6	346	118.07	517.5	
7	356	55.10	234.7	
8	375	88.37	357.0	
9	390	89.84	349.5	
10	398	88.07	335.6	
11	416	79.70	290.1	
12	444	158.46	541.0	
13	462	93.08	305.0	
14	479	74.11	234.3	
15	494	104.29	319.6	
16	517	63.35	185.7	
17	529	86.30	247.4	
18	551	84.12	231.3	
19	578	85.02	222.9	
20	605	136.87	342.6	
21	648	99.63	232.9	
22	688	56.37	124.1	
23	740	106.15	217.4	
24	838	50.67	91.6	
25	948	64.62	103.3	
26	1,094	219.39	303.9	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-12-01\2014-12-01_001.xad


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 Modified: 12/1/2014 11:21:18 AM

Electropherogram Summary Continued ...

... Peak table for sample 10 : sample 10

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	2,758	6.78	3.7	
28	3,821	8.71	3.5	
29	5,711	12.42	3.3	
30	6,635	11.08	2.5	
31	7,732	8.64	1.7	
32	8,566	7.21	1.3	
33	10,380	75.00	10.9	Upper Marker
34	12,488	0.00	0.0	
35	14,156	0.00	0.0	

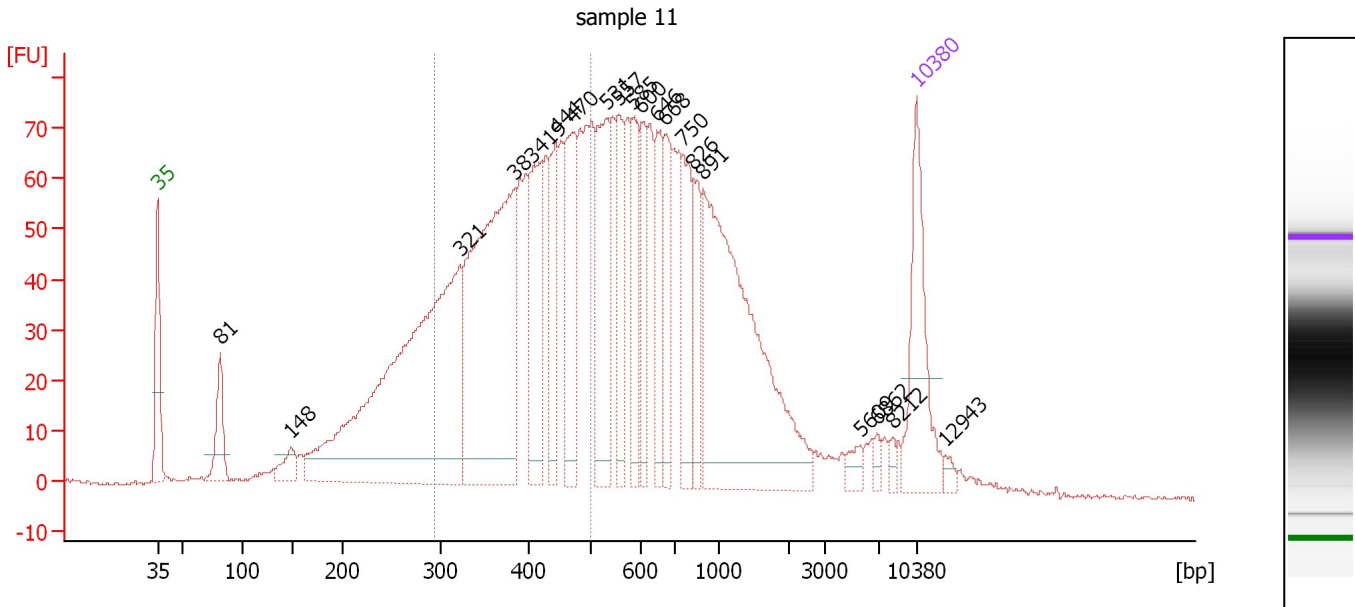
Region table for sample 10 : sample 10

From [bp]	Average Size [bp]	To [bp]	Corr. Area	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
293	397	500	1,265.5	39	14.7	1,278.77	5,012.4	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-12-01\2014-12-01_001.xad

Created: 12/1/2014 10:09:00 AM
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Electropherogram Summary Continued ...



Overall Results for sample 11 : sample 11

Number of peaks found: 20 Corr. Area 1: 1,053.9
 Noise: 0.4

Peak table for sample 11 : sample 11

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	81	53.45	995.9	
3	148	22.38	229.0	
4	321	499.48	2,356.6	
5	383	347.24	1,372.1	
6	419	94.99	343.2	
7	444	68.16	232.4	
8	470	100.15	322.7	
9	531	109.64	312.9	
10	557	61.92	168.5	
11	585	59.10	153.2	
12	600	49.62	125.3	
13	646	63.31	148.5	
14	668	55.40	125.6	
15	750	69.70	140.7	
16	826	42.05	77.1	
17	891	308.45	524.5	
18	5,609	9.74	2.6	
19	6,862	5.02	1.1	
20	8,212	5.29	1.0	
21	10,380	75.00	10.9	Upper Marker
22	12,943	0.00	0.0	

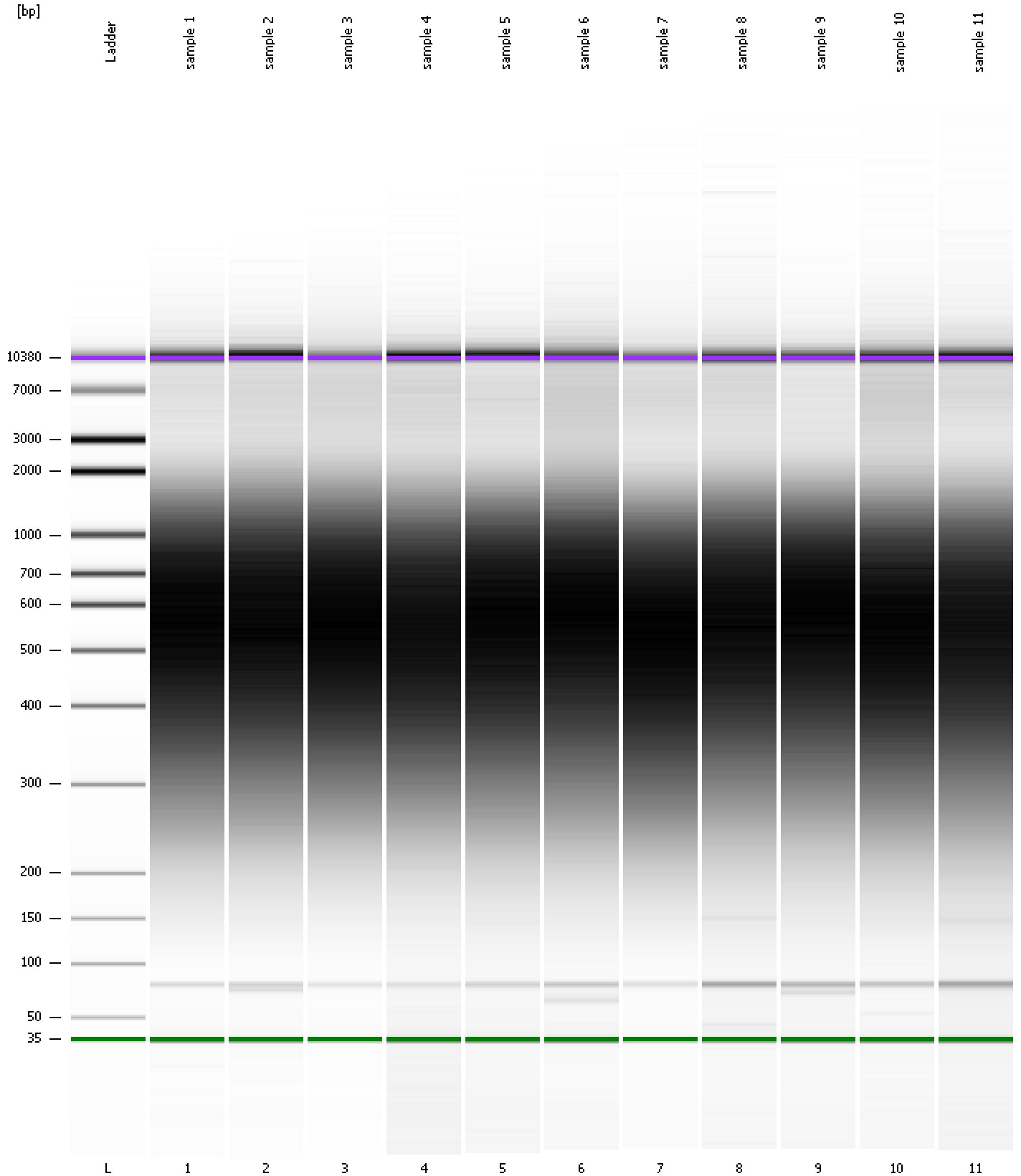
Region table for sample 11 : sample 11

From [bp]	Average Size [bp]	To [bp]	Corr. Area	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
294	398	499	1,053.9	39	14.6	1,110.14	4,342.9	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2014-12-01\2014-12-01_001.xad

Created: 12/1/2014 10:09:00 AM
Modified: 12/1/2014 11:21:18 AM

Gel Image

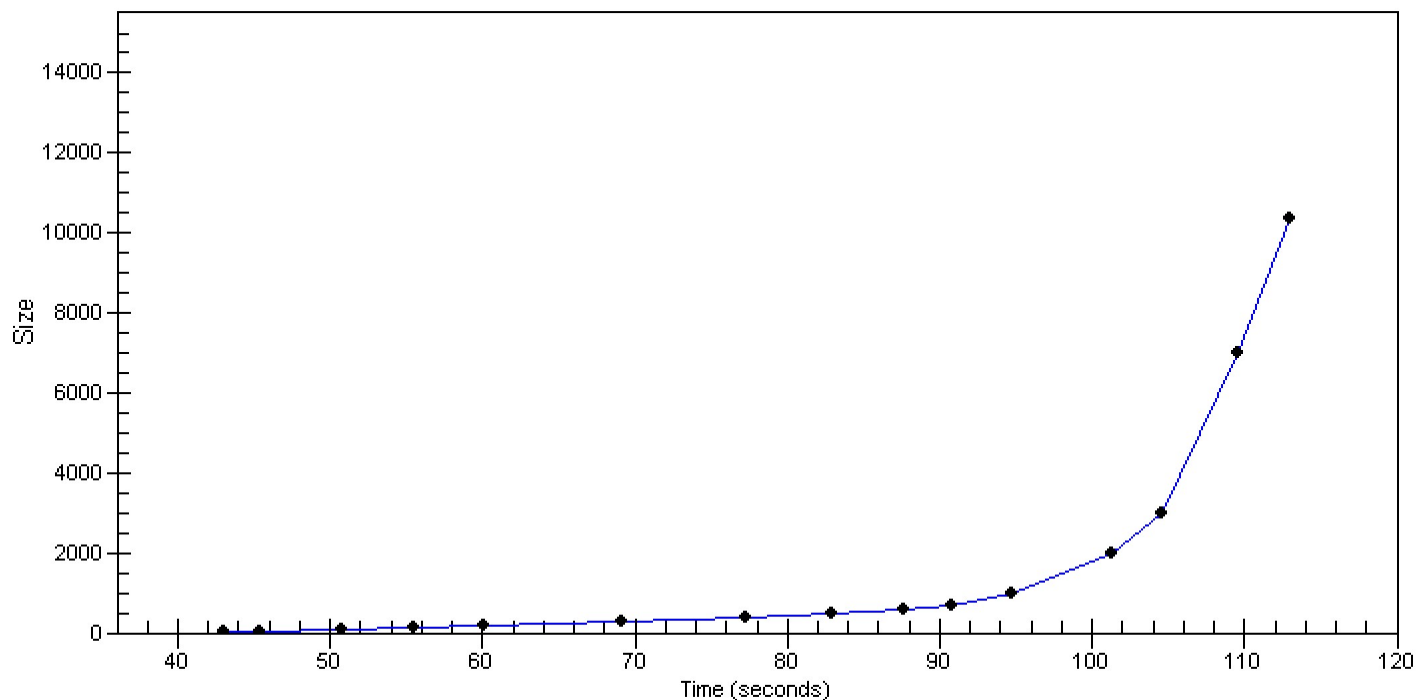


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2014-12-01\2014-12-01_001.xad

Created: 12/1/2014 10:09:00 AM
Modified: 12/1/2014 11:21:18 AM

Curves

Standard Curve



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-12-01\2014-12-01_001.xad

Created: 12/1/2014 10:09:00 AM
 Modified: 12/1/2014 11:21:18 AM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 12)		Instrument	Run		12/1/2014 10:50:17 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2014-12-01\2014-12-01_001.xad)		Instrument	Run		12/1/2014 10:09:05 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		12/1/2014 10:09:05 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		12/1/2014 10:09:05 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		12/1/2014 10:09:05 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		12/1/2014 10:09:05 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		12/1/2014 10:09:05 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		12/1/2014 10:09:05 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1