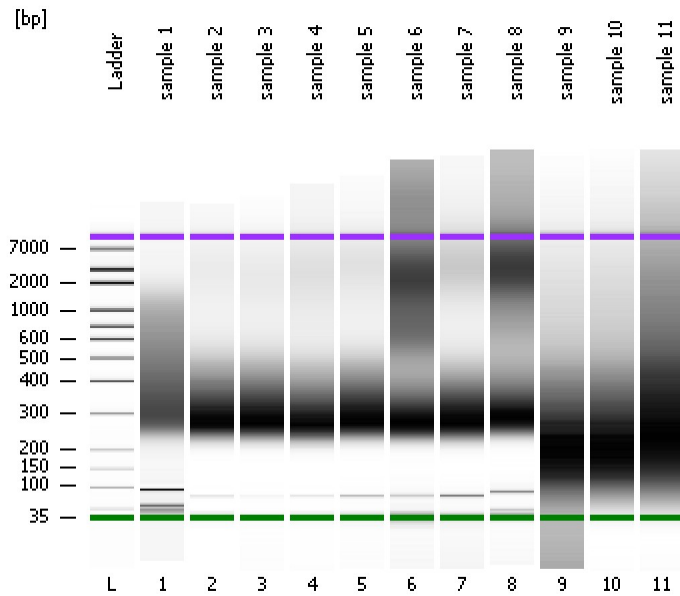


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-14\2014-05-14_001.xad

Created: 5/14/2014 12:16:16 PM
Modified: 5/14/2014 12:59:10 PM

Electrophoresis File Run Summary



Instrument Information:

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

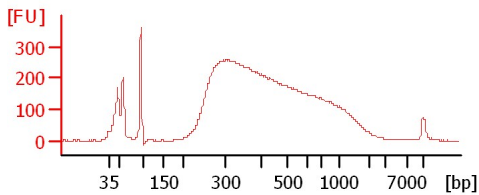
Assay Information:

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

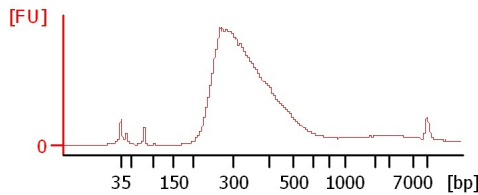
Chip Information:

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

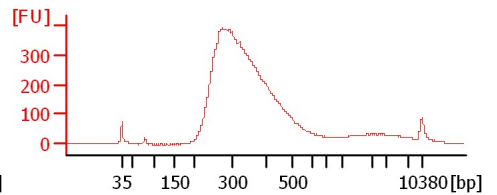
sample 1



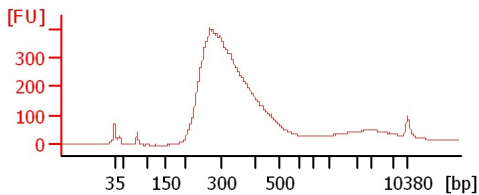
sample 2



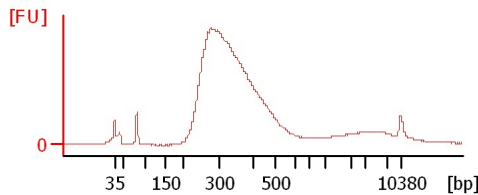
sample 3



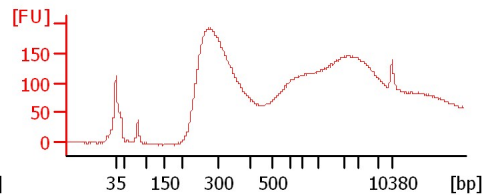
sample 4



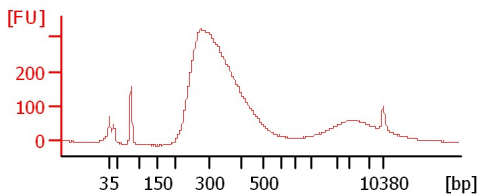
sample 5



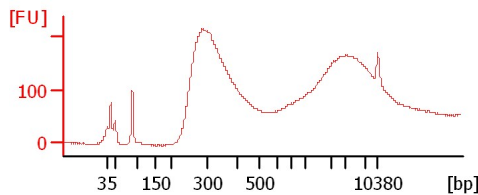
sample 6



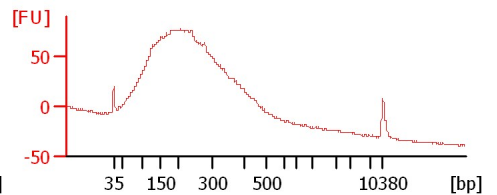
sample 7



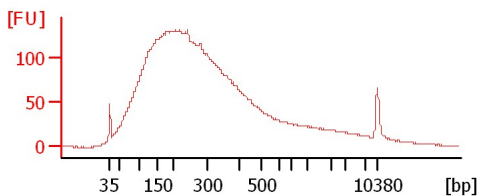
sample 8



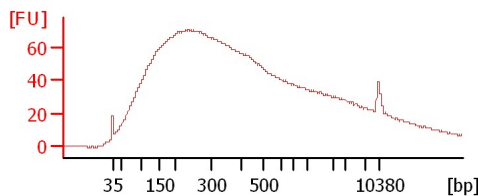
sample 9



sample 10



sample 11



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-14\2014-05-14_001.xad

Created: 5/14/2014 12:16:16 PM
 Modified: 5/14/2014 12:59:10 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:\... bioanalyzer\2100 expert\Data\2014-05-14\2014-05-14_001.xad

Created: 5/14/2014 12:16:16 PM
Modified: 5/14/2014 12:59:10 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/ μ l] : 1950
Uses Standard Area for Ladder Fragments
Lower Marker Concentration [pg/ μ l] : 125
Upper Marker Concentration [pg/ μ l] : 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

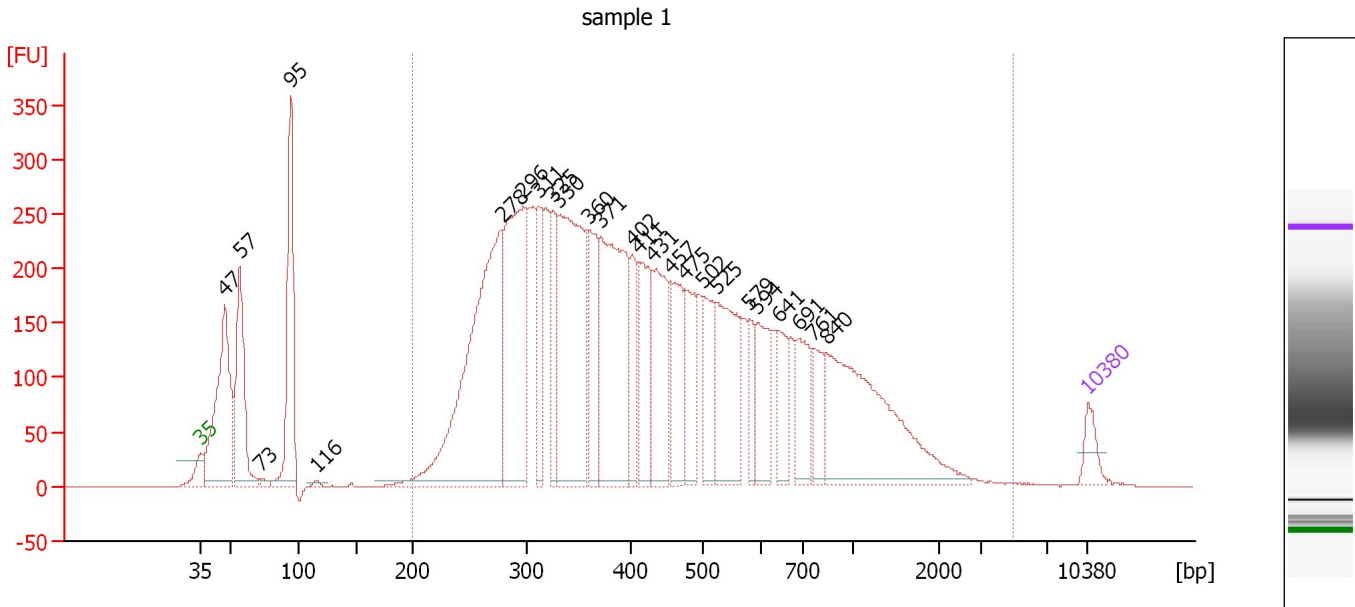
Ladder

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:\... bioanalyzer\2100 expert\Data\2014-05-14\2014-05-14_001.xad

Created: 5/14/2014 12:16:16 PM
 Modified: 5/14/2014 12:59:10 PM

Electropherogram Summary



Overall Results for sample 1 : sample 1

Number of peaks found: 25 Corr. Area 1: 8,884.8
 Noise: 0.3

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	47	1,086.43	34,678.2	
3	57	744.91	19,667.7	
4	73	24.17	501.4	
5	95	888.29	14,170.6	
6	116	18.83	246.4	
7	278	1,915.75	10,453.4	
8	296	1,182.85	6,048.2	
9	311	364.50	1,776.2	
10	325	345.42	1,610.7	
11	330	1,293.96	5,948.6	
12	360	418.53	1,763.3	
13	371	1,077.67	4,400.9	
14	402	240.29	905.1	
15	411	412.20	1,519.0	
16	431	527.72	1,854.4	
17	457	346.54	1,148.6	
18	475	315.78	1,007.4	
19	502	296.89	896.1	
20	525	576.52	1,664.9	
21	579	131.67	344.5	
22	594	296.85	757.8	
23	641	208.97	493.9	
24	691	257.41	564.2	
25	761	179.20	356.9	
26	840	1,021.20	1,842.5	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-14\2014-05-14_001.xad

Created: 5/14/2014 12:16:16 PM
Modified: 5/14/2014 12:59:10 PM

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

Peak	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations
27	10,380	75.00	10.9	Upper Marker

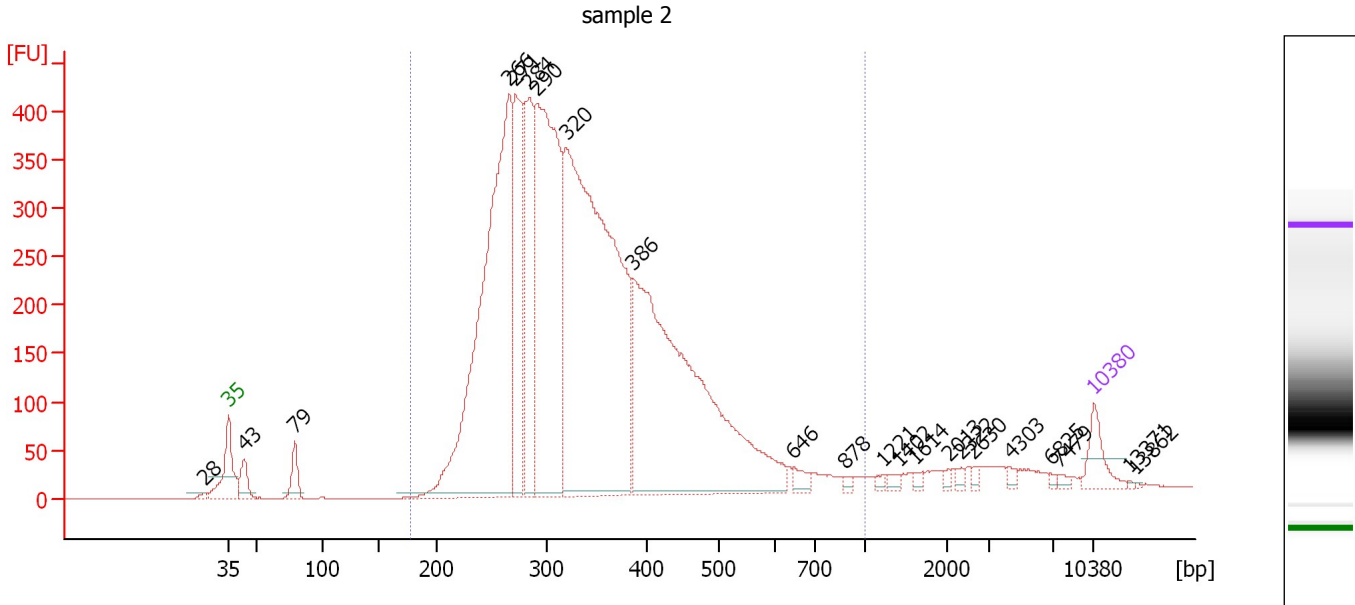
Region table for sample 1 : sample 1

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/ μ l]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
200	4,923	523	50,621.3	12,782.96	8,884.8	86	69.2

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-14\2014-05-14_001.xad

Created: 5/14/2014 12:16:16 PM
 Modified: 5/14/2014 12:59:10 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : sample 2

Number of peaks found: 22 Corr. Area 1: 8,370.4
 Noise: 0.2

Peak table for sample 2 : sample 2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	28	0.00	0.0	
2	35	125.00	5,411.3	Lower Marker
3	43	97.99	3,433.8	
4	79	100.54	1,938.5	
5	266	2,118.37	12,080.5	
6	271	644.19	3,596.0	
7	284	590.82	3,153.7	
8	290	1,563.21	8,165.5	
9	320	2,633.47	12,478.4	
10	386	1,888.25	7,419.3	
11	646	37.83	88.7	
12	878	10.54	18.2	
13	1,221	11.61	14.4	
14	1,402	16.28	17.6	
15	1,614	12.15	11.4	
16	2,013	11.80	8.9	
17	2,322	12.31	8.0	
18	2,630	11.21	6.5	
19	4,303	13.86	4.9	
20	6,825	6.66	1.5	
21	7,479	10.22	2.1	
22	10,380	75.00	10.9	Upper Marker
23	13,371	0.00	0.0	
24	13,862	0.00	0.0	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-14\2014-05-14_001.xad

Created: 5/14/2014 12:16:16 PM
Modified: 5/14/2014 12:59:10 PM

Electropherogram Summary Continued ...

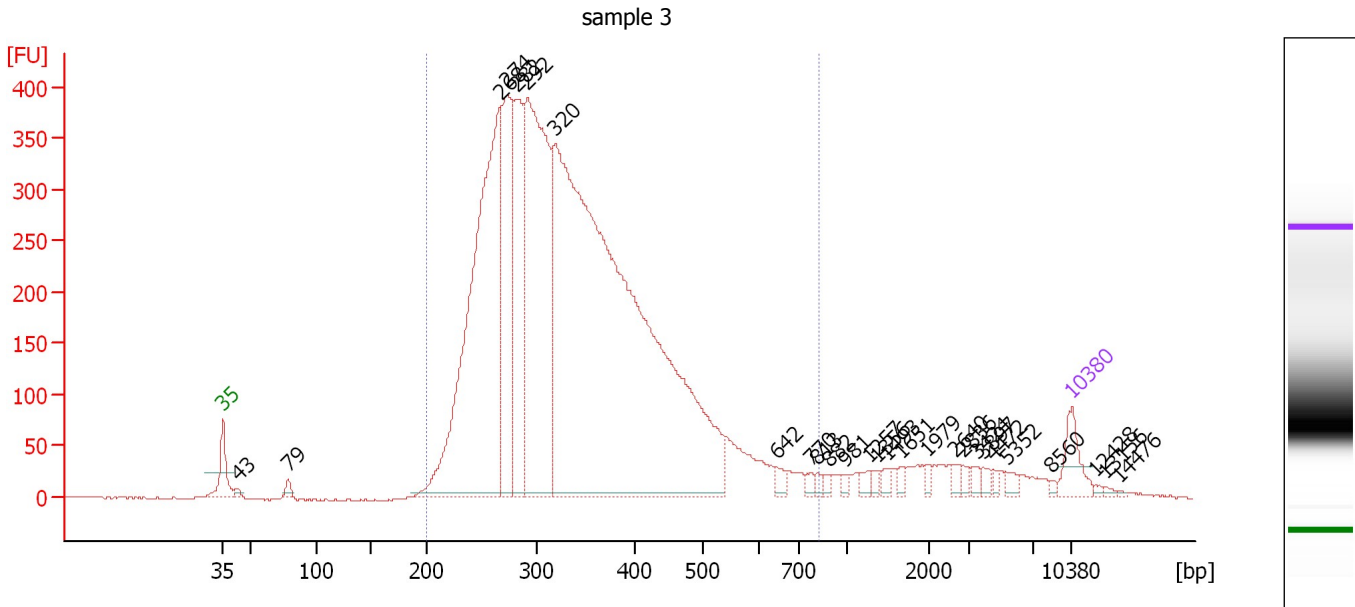
... Region table for sample 2 : sample 2

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/ μ l]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
178	1,000	346	43,994.8	9,207.12	 8,370.4	95	28.8

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-14\2014-05-14_001.xad

Created: 5/14/2014 12:16:16 PM
 Modified: 5/14/2014 12:59:10 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : sample 3

Number of peaks found: 27 Corr. Area 1: 8,091.0
 Noise: 1.0

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	43	16.51	580.2	
3	79	25.80	496.5	
4	268	1,828.35	10,349.8	
5	274	638.37	3,530.1	
6	282	565.86	3,037.3	
7	292	1,361.95	7,066.4	
8	320	4,151.05	19,665.0	
9	642	27.00	63.7	
10	770	16.49	32.5	
11	813	13.96	26.0	
12	882	13.13	22.6	
13	981	14.05	21.7	
14	1,257	18.99	22.9	
15	1,356	12.53	14.0	
16	1,493	17.29	17.5	
17	1,651	15.36	14.1	
18	1,979	13.59	10.4	
19	2,640	15.24	8.7	
20	2,836	16.42	8.8	
21	3,424	14.91	6.6	
22	3,897	15.08	5.9	
23	4,472	10.24	3.5	
24	5,352	17.92	5.1	
25	8,560	7.11	1.3	
26	10,380	75.00	10.9	Upper Marker


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-14\2014-05-14_001.xad

Created: 5/14/2014 12:16:16 PM
Modified: 5/14/2014 12:59:10 PM

Electropherogram Summary Continued ...**... Peak table for sample 3 : sample 3**

Peak	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations
27	12,428	0.00	0.0	
28	13,156	0.00	0.0	
29	14,476	0.00	0.0	

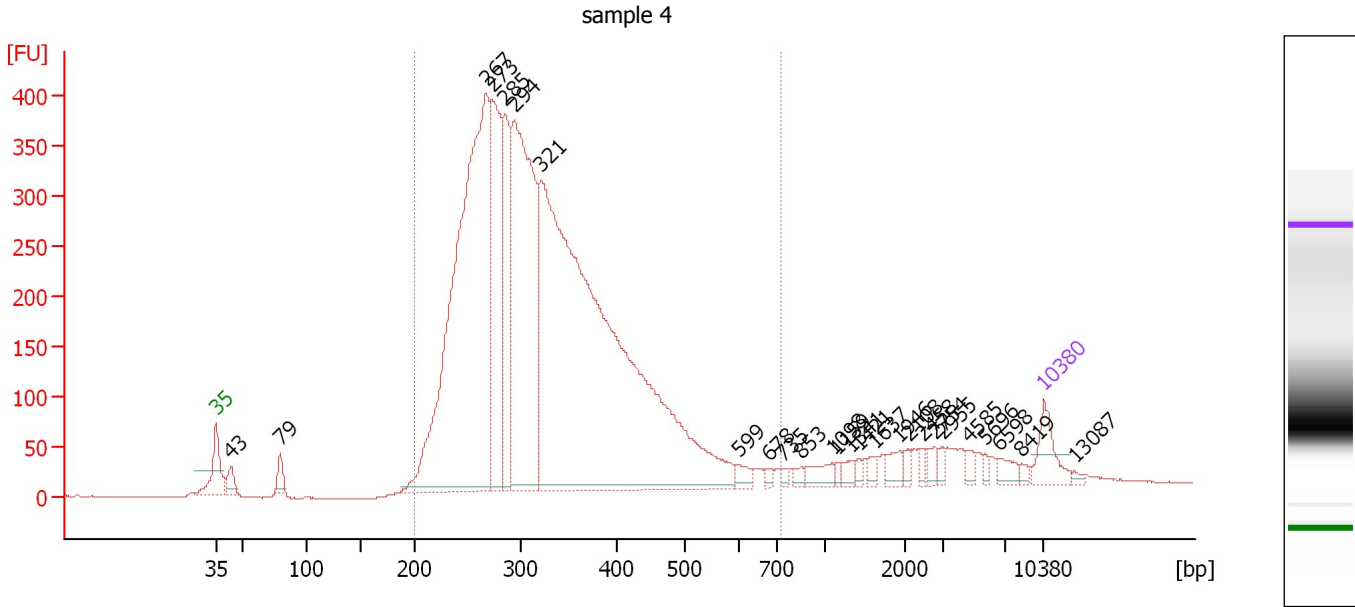
Region table for sample 3 : sample 3

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/ μ l]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
200	825	345	40,112.1	8,404.57	 8,091.0	93	27.3

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-14\2014-05-14_001.xad

Created: 5/14/2014 12:16:16 PM
 Modified: 5/14/2014 12:59:10 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : sample 4

Number of peaks found: 26 Corr. Area 1: 7,391.0
 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	43	57.58	2,027.9	
3	79	56.20	1,075.3	
4	267	2,241.55	12,711.0	
5	273	662.98	3,683.7	
6	285	407.20	2,167.2	
7	294	1,220.62	6,297.3	
8	321	3,337.36	15,737.8	
9	599	31.32	79.3	
10	678	14.08	31.5	
11	735	13.78	28.4	
12	853	16.54	29.4	
13	1,098	43.33	59.8	
14	1,159	11.36	14.8	
15	1,341	22.29	25.2	
16	1,421	13.13	14.0	
17	1,637	16.75	15.5	
18	1,946	32.45	25.3	
19	2,108	18.87	13.6	
20	2,458	16.07	9.9	
21	2,754	24.23	13.3	
22	2,955	14.95	7.7	
23	4,585	18.43	6.1	
24	5,696	12.66	3.4	
25	6,598	28.71	6.6	
26	8,419	11.27	2.0	


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-14\2014-05-14_001.xad

Created: 5/14/2014 12:16:16 PM
Modified: 5/14/2014 12:59:10 PM

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

Peak	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations
27	10,380	75.00	10.9	Upper Marker
28	13,087	0.00	0.0	

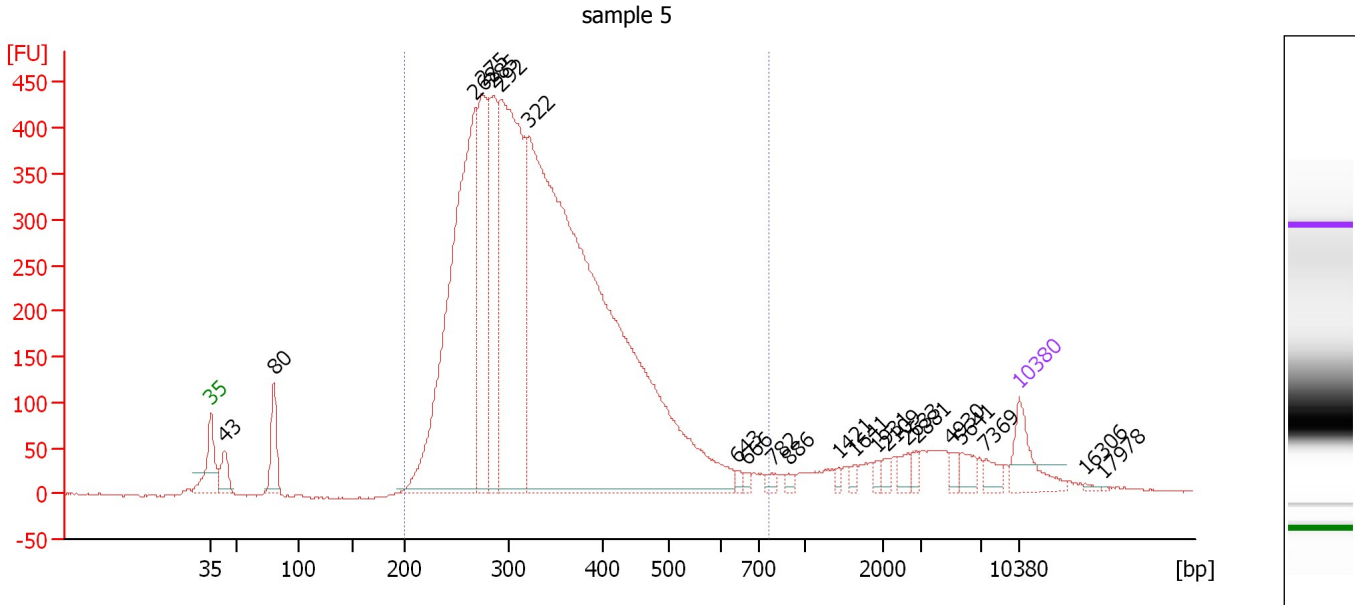
Region table for sample 4 : sample 4

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/ μ l]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
200	718	329	37,774.7	7,640.68	 7,391.0	91	25.3

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-14\2014-05-14_001.xad

Created: 5/14/2014 12:16:16 PM
 Modified: 5/14/2014 12:59:10 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : sample 5

Number of peaks found: 22 Corr. Area 1: 8,715.1
 Noise: 1.1

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	43	73.92	2,628.8	
3	80	126.96	2,419.0	
4	268	1,267.44	7,163.3	
5	275	414.93	2,288.3	
6	285	425.98	2,264.9	
7	292	1,037.54	5,381.3	
8	322	3,079.67	14,493.1	
9	643	9.82	23.1	
10	666	8.44	19.2	
11	782	13.06	25.3	
12	886	9.71	16.6	
13	1,421	7.98	8.5	
14	1,641	11.67	10.8	
15	1,931	10.22	8.0	
16	2,109	13.66	9.8	
17	2,633	21.68	12.5	
18	2,881	16.13	8.5	
19	4,930	15.64	4.8	
20	5,641	27.62	7.4	
21	7,369	23.02	4.7	
22	10,380	75.00	10.9	Upper Marker
23	16,306	0.00	0.0	
24	17,978	0.00	0.0	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-14\2014-05-14_001.xad

Created: 5/14/2014 12:16:16 PM
Modified: 5/14/2014 12:59:10 PM

Electropherogram Summary Continued ...

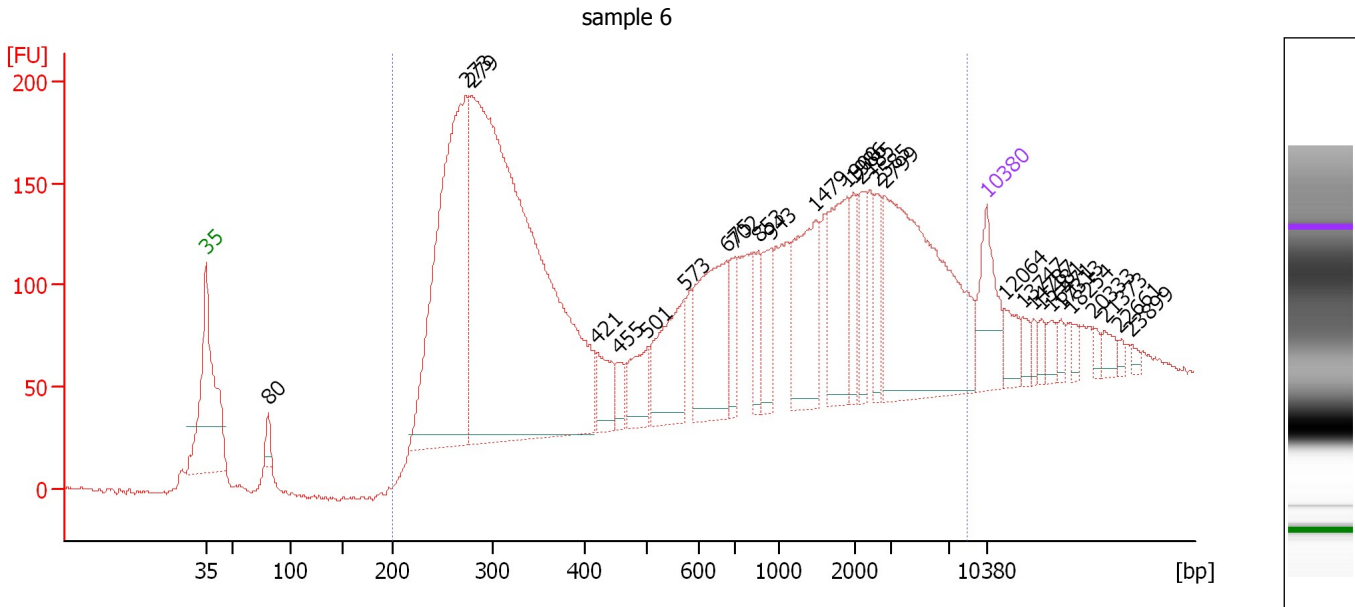
... Region table for sample 5 : sample 5

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
200	762	342	28,296.0	5,939.51	 8,715.1	90	25.1

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-14\2014-05-14_001.xad

Created: 5/14/2014 12:16:16 PM
 Modified: 5/14/2014 12:59:10 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : sample 6

Number of peaks found: 28 Corr. Area 1: 5,126.9
 Noise: 1.3

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	80	27.40	515.9	
3	273	754.92	4,197.4	
4	279	1,585.16	8,612.6	
5	421	59.31	213.2	
6	455	27.57	91.8	
7	501	70.37	212.9	
8	573	135.16	357.4	
9	675	194.24	436.3	
10	702	52.42	113.1	
11	853	43.20	76.7	
12	943	60.52	97.3	
13	1,479	148.47	152.1	
14	1,900	116.49	92.9	
15	1,986	45.48	34.7	
16	2,185	42.62	29.6	
17	2,585	41.25	24.2	
18	2,799	350.19	189.6	
19	10,380	75.00	10.9	Upper Marker
20	12,064	0.00	0.0	
21	13,747	0.00	0.0	
22	14,787	0.00	0.0	
23	15,481	0.00	0.0	
24	16,471	0.00	0.0	
25	17,313	0.00	0.0	
26	18,254	0.00	0.0	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-14\2014-05-14_001.xad

Created: 5/14/2014 12:16:16 PM
Modified: 5/14/2014 12:59:10 PM

Electropherogram Summary Continued ...**... Peak table for sample 6 : sample 6**

Peak	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations
27	20,333	0.00	0.0	
28	21,373	0.00	0.0	
29	22,661	0.00	0.0	
30	23,899	0.00	0.0	

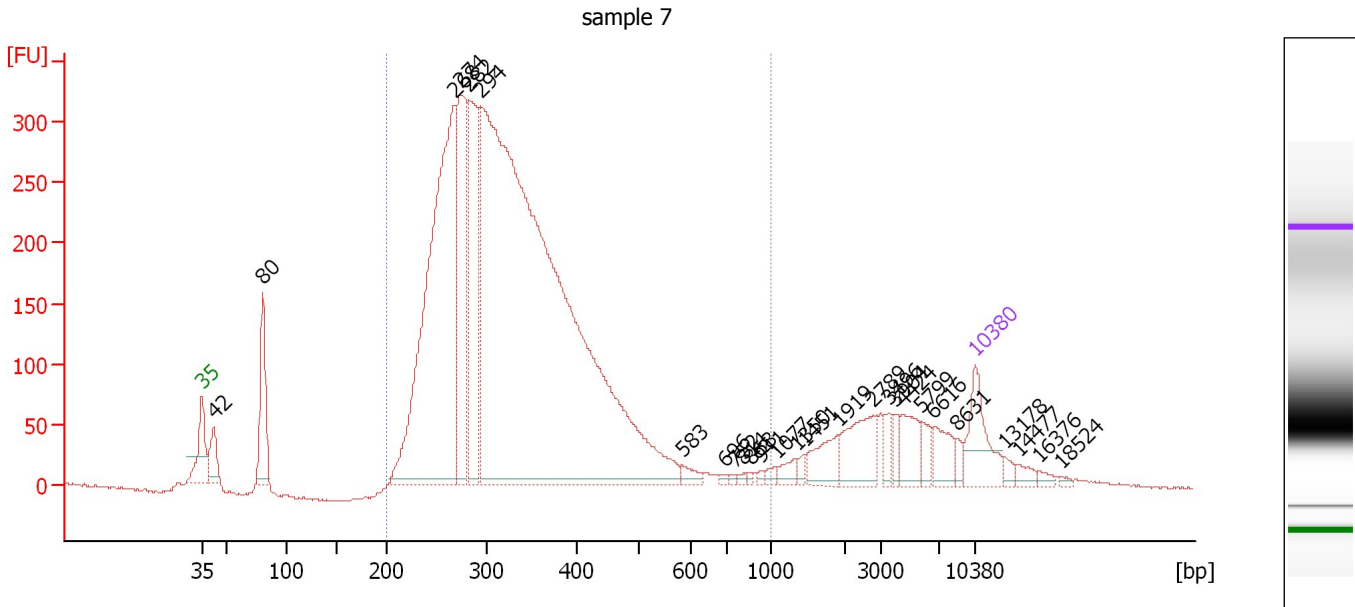
Region table for sample 6 : sample 6

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/ μ l]	Co Corr. for Area	% of Total	Size distribution in CV [%]
200	8,570	1,352	14,222.4	3,964.64	 5,126.9	93	100.0

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-14\2014-05-14_001.xad

Created: 5/14/2014 12:16:16 PM
 Modified: 5/14/2014 12:59:10 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : sample 7

Number of peaks found: 27 Corr. Area 1: 6,064.2
 Noise: 1.0

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	42	76.23	2,750.2	
3	80	175.21	3,317.2	
4	268	1,051.10	5,945.5	
5	274	370.03	2,044.0	
6	282	341.41	1,832.4	
7	294	2,839.89	14,631.7	
8	583	18.97	49.3	
9	696	4.98	10.8	
10	752	4.29	8.6	
11	814	4.70	8.8	
12	868	4.12	7.2	
13	941	5.88	9.5	
14	1,077	9.43	13.3	
15	1,350	18.40	20.7	
16	1,451	9.30	9.7	
17	1,919	50.68	40.0	
18	2,789	81.97	44.5	
19	3,496	22.71	9.8	
20	3,904	18.56	7.2	
21	4,424	48.15	16.5	
22	5,799	23.76	6.2	
23	6,616	41.52	9.5	
24	8,631	13.67	2.4	
25	10,380	75.00	10.9	Upper Marker
26	13,178	0.00	0.0	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-14\2014-05-14_001.xad

Created: 5/14/2014 12:16:16 PM
Modified: 5/14/2014 12:59:10 PM

Electropherogram Summary Continued ...**... Peak table for sample 7 : sample 7**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	14,477	0.00	0.0	
28	16,376	0.00	0.0	
29	18,524	0.00	0.0	

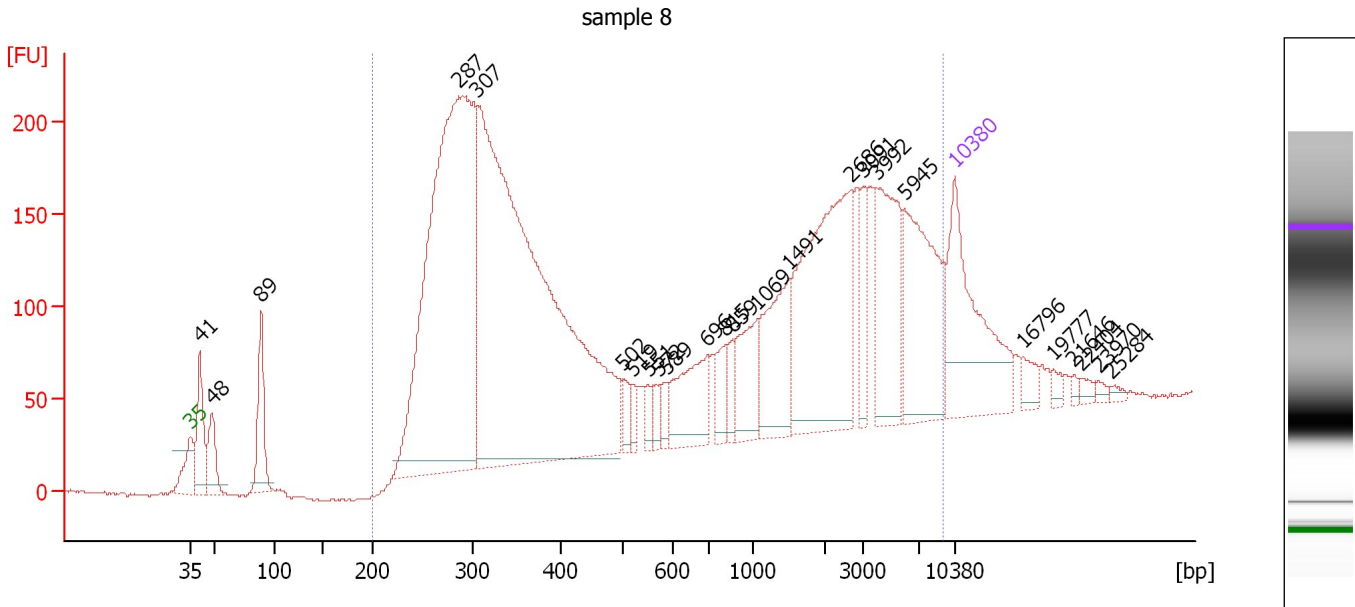
Region table for sample 7 : sample 7

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	336	21,354.0	4,393.35	 6,064.2	85	27.9

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-14\2014-05-14_001.xad

Created: 5/14/2014 12:16:16 PM
 Modified: 5/14/2014 12:59:10 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : sample 8

Number of peaks found: 25 Corr. Area 1: 5,379.6
 Noise: 0.8

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	41	54.53	2,025.6	
3	48	33.97	1,068.1	
4	89	55.22	937.5	
5	287	510.03	2,693.3	
6	307	657.39	3,249.7	
7	502	10.23	30.9	
8	519	8.15	23.8	
9	551	8.07	22.2	
10	572	7.27	19.3	
11	589	9.45	24.3	
12	696	48.56	105.7	
13	815	16.12	30.0	
14	859	11.44	20.2	
15	1,069	35.35	50.1	
16	1,491	52.70	53.6	
17	2,686	135.05	76.2	
18	3,091	20.35	10.0	
19	3,992	65.81	25.0	
20	5,945	81.48	20.8	
21	10,380	75.00	10.9	Upper Marker
22	16,796	0.00	0.0	
23	19,777	0.00	0.0	
24	21,646	0.00	0.0	
25	22,404	0.00	0.0	
26	23,970	0.00	0.0	


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-14\2014-05-14_001.xad

Created: 5/14/2014 12:16:16 PM
Modified: 5/14/2014 12:59:10 PM

Electropherogram Summary Continued ...**... Peak table for sample 8 : sample 8**

Peak	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations
27	25,284	0.00	0.0	

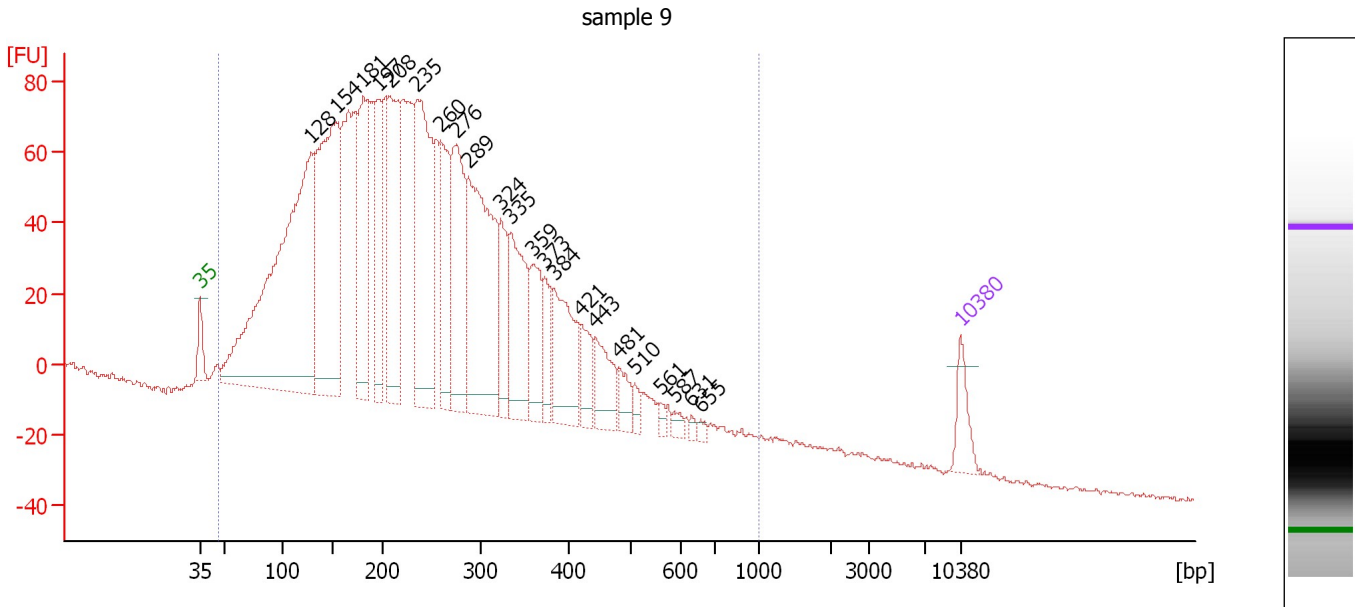
Region table for sample 8 : sample 8

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/ μ l]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
200	9,231	1,699	5,529.5	1,570.28	 5,379.6	93	100.0

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-14\2014-05-14_001.xad

Created: 5/14/2014 12:16:16 PM
 Modified: 5/14/2014 12:59:10 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : sample 9

Number of peaks found: 22 Corr. Area 1: 3,242.9
 Noise: 0.8

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	128	2,075.58	24,531.2	
3	154	1,180.57	11,650.0	
4	181	564.07	4,720.8	
5	197	347.29	2,675.4	
6	208	581.53	4,234.5	
7	235	819.60	5,277.7	
8	260	347.51	2,026.7	
9	276	513.14	2,821.3	
10	289	819.98	4,304.3	
11	324	193.35	905.1	
12	335	374.17	1,691.5	
13	359	226.51	956.6	
14	373	112.76	458.4	
15	384	298.57	1,179.5	
16	421	119.46	430.3	
17	443	164.10	561.1	
18	481	71.37	224.7	
19	510	35.75	106.2	
20	561	20.61	55.7	
21	587	22.80	58.8	
22	631	14.51	34.8	
23	655	13.77	31.8	
24	10,380	75.00	10.9	Upper Marker

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-14\2014-05-14_001.xad

Created: 5/14/2014 12:16:16 PM
Modified: 5/14/2014 12:59:10 PM

Electropherogram Summary Continued ...

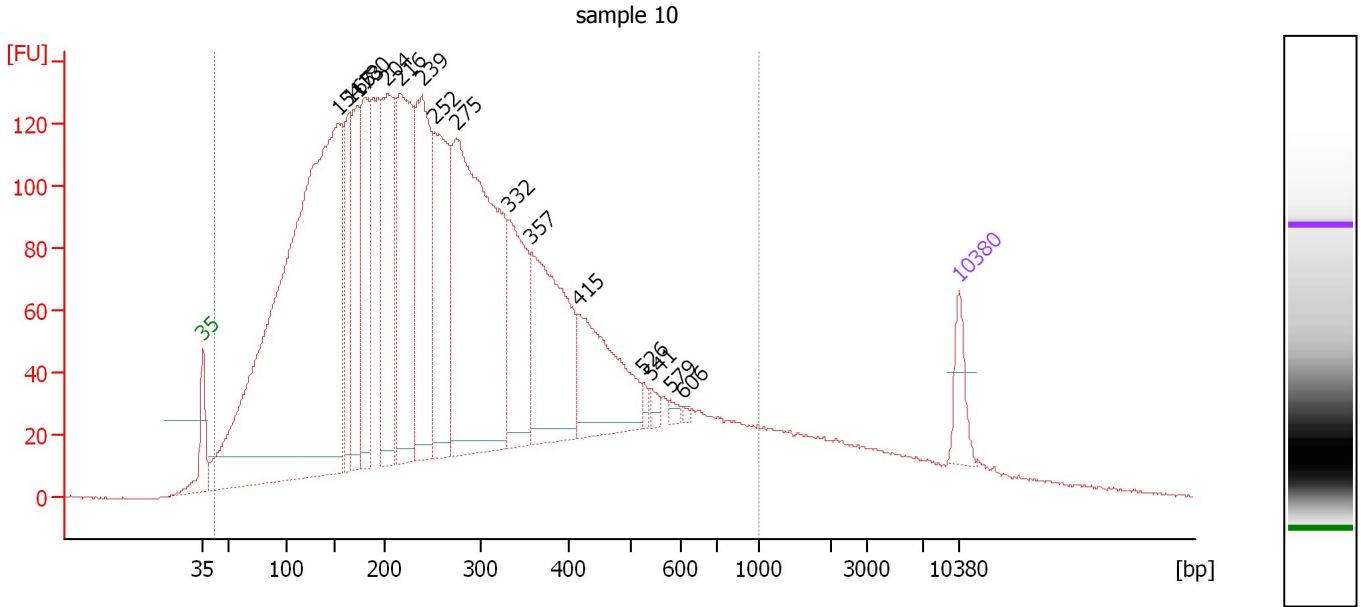
... Region table for sample 9 : sample 9

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
47	1,000	252	95,567.7	11,330.70	 3,242.9	99	48.4

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-14\2014-05-14_001.xad

Created: 5/14/2014 12:16:16 PM
 Modified: 5/14/2014 12:59:10 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : sample 10

Number of peaks found: 16 Corr. Area 1: 5,606.6
 Noise: 0.3

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	154	3,495.07	34,459.0	
3	165	350.75	3,219.8	
4	173	397.57	3,478.3	
5	180	471.11	3,960.5	
6	204	599.32	4,460.8	
7	216	725.57	5,086.1	
8	239	659.90	4,181.3	
9	252	584.03	3,515.6	
10	275	1,502.47	8,287.7	
11	332	403.51	1,841.3	
12	357	612.18	2,598.4	
13	415	403.50	1,473.3	
14	526	19.78	57.0	
15	541	25.80	72.3	
16	579	14.81	38.7	
17	606	7.14	17.8	
18	10,380	75.00	10.9	Upper Marker

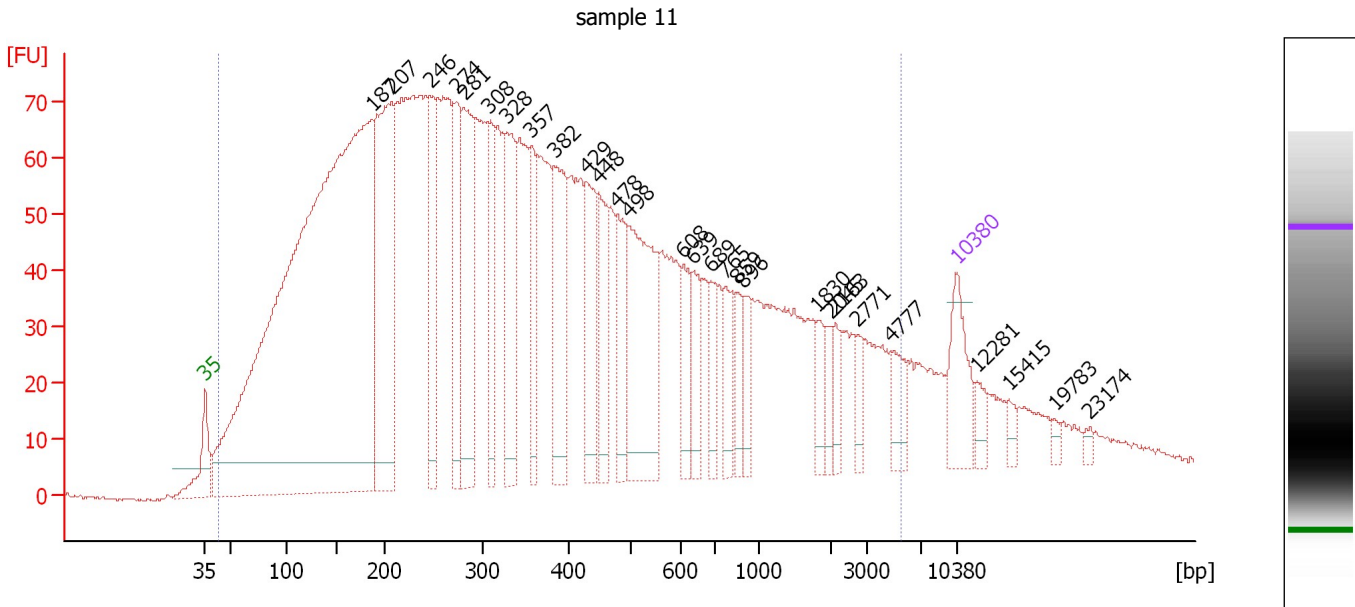
Region table for sample 10 : sample 10

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
41	1,000	280	114,185.0	13,239.81	5,606.6	94	57.9

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-14\2014-05-14_001.xad

Created: 5/14/2014 12:16:16 PM
 Modified: 5/14/2014 12:59:10 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : sample 11

Number of peaks found: 28 Corr. Area 1: 3,914.4
 Noise: 0.3

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	187	2,532.75	20,564.2	
3	207	490.88	3,595.8	
4	246	173.27	1,067.6	
5	274	181.11	1,001.6	
6	281	250.49	1,350.1	
7	308	128.47	632.5	
8	328	190.85	881.8	
9	357	113.94	484.1	
10	382	208.52	826.4	
11	429	146.99	519.2	
12	448	114.03	385.5	
13	478	114.36	362.5	
14	498	290.62	884.0	
15	608	70.69	176.1	
16	639	65.27	154.9	
17	689	45.41	99.9	
18	765	67.74	134.1	
19	859	38.72	68.3	
20	896	43.15	73.0	
21	1,830	31.23	25.9	
22	2,045	23.90	17.7	
23	2,163	28.89	20.2	
24	2,771	23.35	12.8	
25	4,777	45.66	14.5	
26	10,380	75.00	10.9	Upper Marker


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-14\2014-05-14_001.xad

Created: 5/14/2014 12:16:16 PM
Modified: 5/14/2014 12:59:10 PM

Electropherogram Summary Continued ...**... Peak table for sample 11 : sample 11**

Peak	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations
27	12,281	0.00	0.0	
28	15,415	0.00	0.0	
29	19,783	0.00	0.0	
30	23,174	0.00	0.0	

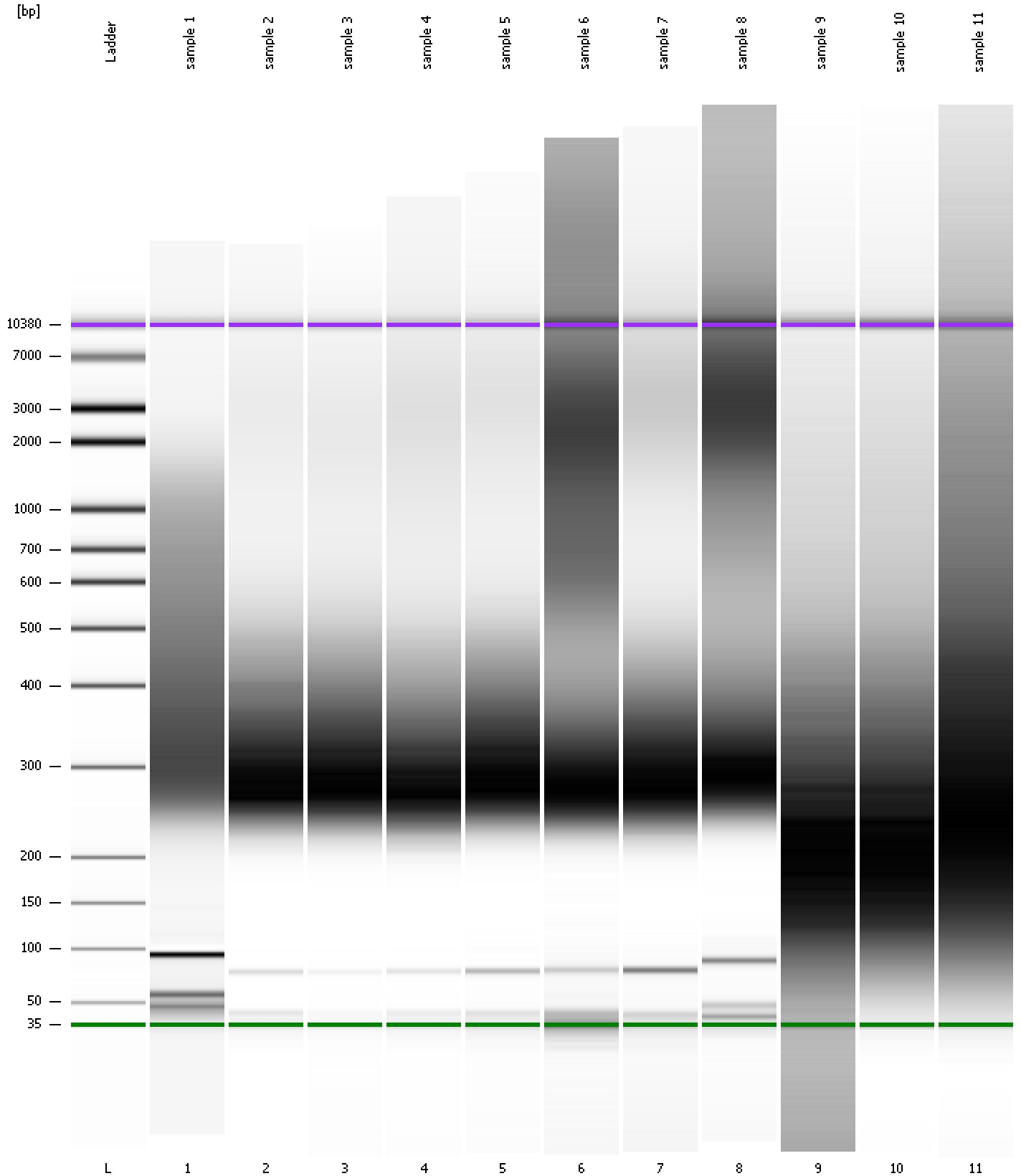
Region table for sample 11 : sample 11

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/ μ l]	Co Corr. for Area	% of Total	Size distribution in CV [%]
44	5,558	575	64,793.4	8,810.80	 3,914.4	95	100.0

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-14\2014-05-14_001.xad

Created: 5/14/2014 12:16:16 PM
Modified: 5/14/2014 12:59:10 PM

Gel Image

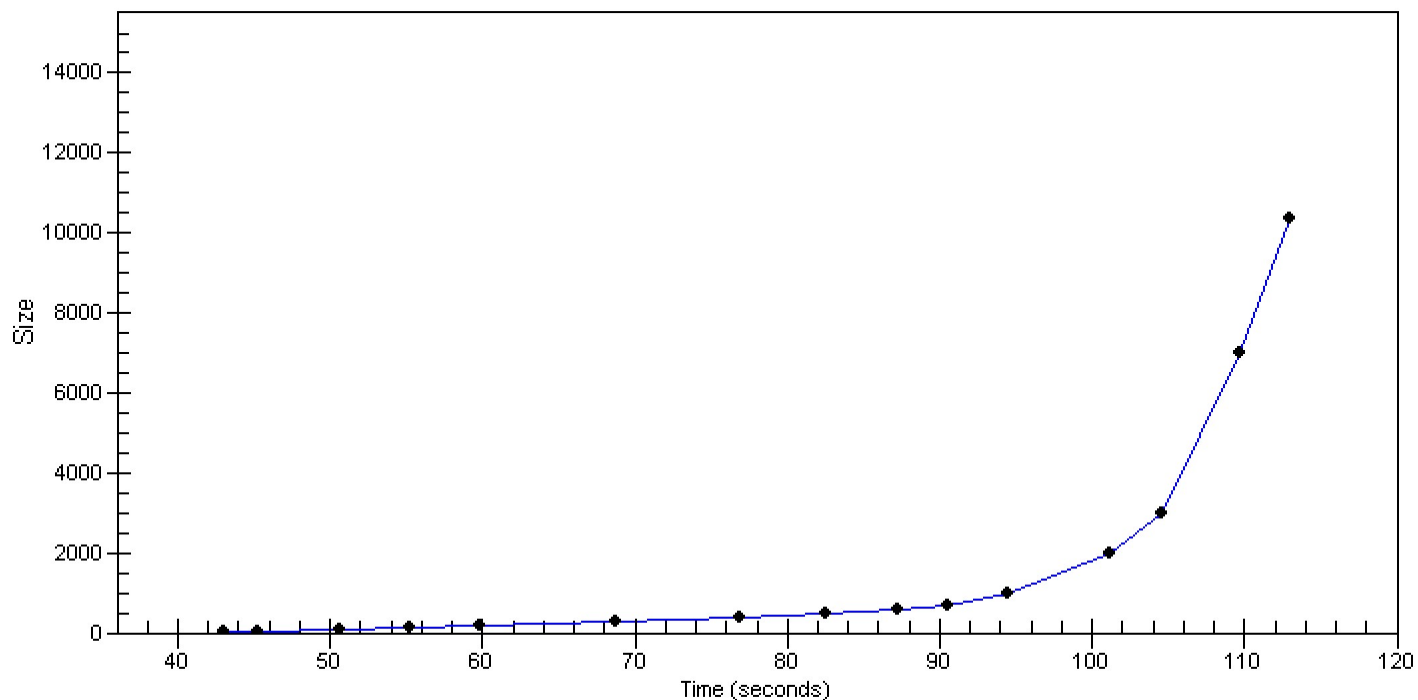


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-14\2014-05-14_001.xad

Created: 5/14/2014 12:16:16 PM
Modified: 5/14/2014 12:59:10 PM

Curves

Standard Curve



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-14\2014-05-14_001.xad

Created: 5/14/2014 12:16:16 PM
 Modified: 5/14/2014 12:59:10 PM

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		5/14/2014 12:57:36 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\Data\2014-05-14\2014-05-14_001.xad)		Instrument	Run		5/14/2014 12:16:22 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		5/14/2014 12:16:22 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		5/14/2014 12:16:22 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		5/14/2014 12:16:22 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		5/14/2014 12:16:21 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		5/14/2014 12:16:21 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		5/14/2014 12:16:21 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1