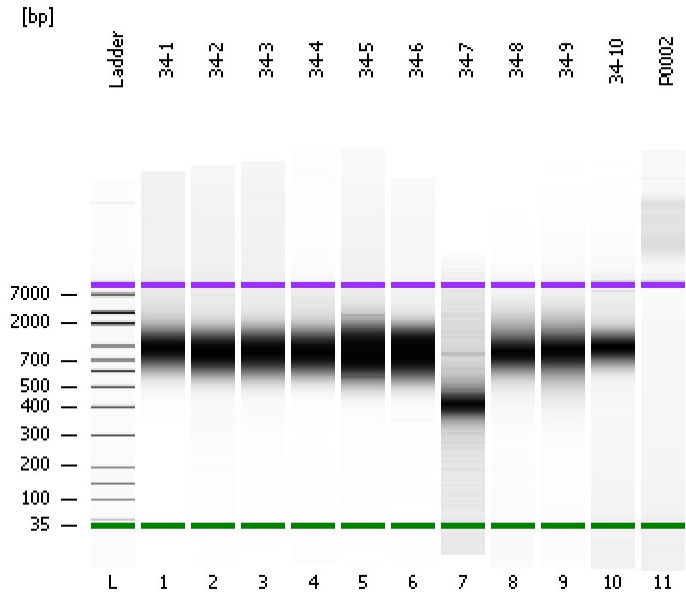


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gh Sensitivity DNA Assay_DE72901979_2010-03-01_16-05-41.xad

Created: 3/1/2010 4:05:41 PM
Modified: 3/1/2010 4:47:13 PM

Electrophoresis File Run Summary



Instrument Information:

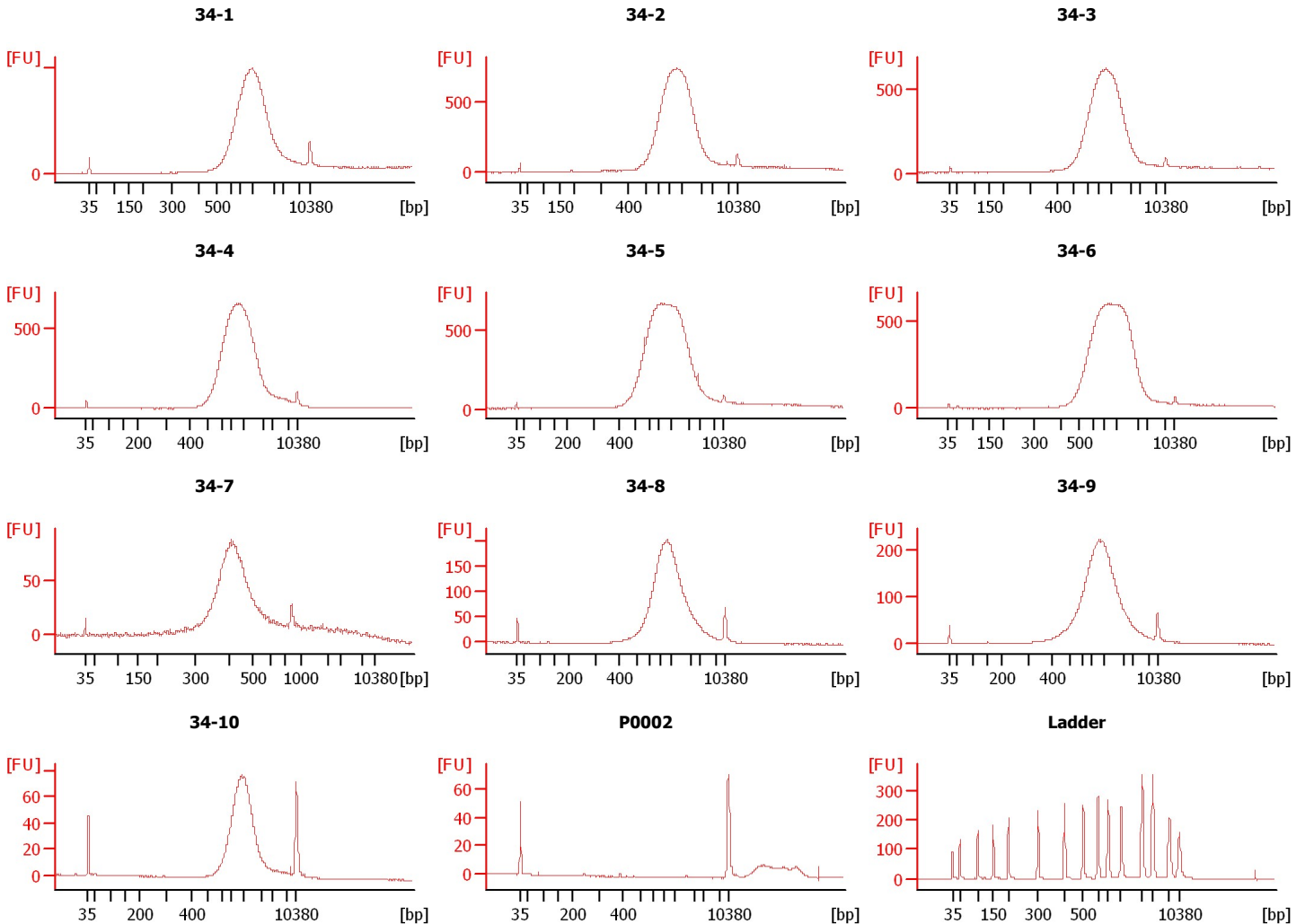
Instrument Name: DE72901979 Firmware: C.01.069
Serial#: DE72901979 Type: G2939A

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: 1.0
Assay Comments: Copyright © 2003-2009 Agilent Technologies

Chip Information:

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



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE72901979_2010-03-01_16-05-41.xad

Created: 3/1/2010 4:05:41 PM
 Modified: 3/1/2010 4:47:13 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status Observations	Result Label	Result Color
34-1		<input type="checkbox"/>	✓		
34-2		<input type="checkbox"/>	✓		
34-3		<input type="checkbox"/>	✓		
34-4		<input type="checkbox"/>	✓		
34-5		<input type="checkbox"/>	✓		
34-6		<input type="checkbox"/>	✓		
34-7		<input type="checkbox"/>	✓		
34-8		<input type="checkbox"/>	✓		
34-9		<input type="checkbox"/>	✓		
34-10		<input type="checkbox"/>	✓		
P0002		<input type="checkbox"/>	✓		

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gh Sensitivity DNA Assay_DE72901979_2010-03-01_16-05-41.xad

Created: 3/1/2010 4:05:41 PM
Modified: 3/1/2010 4:47:13 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

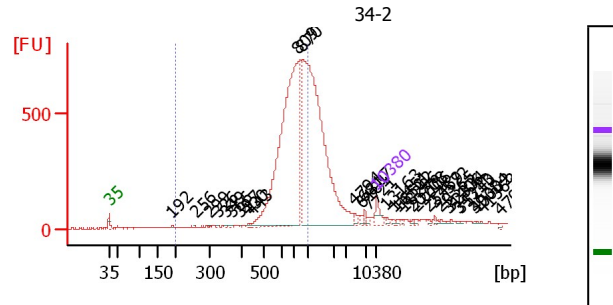
Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE72901979_2010-03-01_16-05-41.xad

Created: 3/1/2010 4:05:41 PM
 Modified: 3/1/2010 4:47:13 PM

Electropherogram Summary Continued ...

Peak table for sample 1 : 34-1

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	930	1,498.21	2,440.7	
3	970	1,618.69	2,528.1	
4	4,317	35.61	12.5	
5	5,688	26.32	7.0	
6	7,087	14.46	3.1	
7	8,733	7.45	1.3	
8	10,380	75.00	10.9	Upper Marker
9	14,039	0.00	0.0	
10	16,418	0.00	0.0	
11	18,735	0.00	0.0	
12	28,005	0.00	0.0	
13	29,591	0.00	0.0	
14	31,176	0.00	0.0	



Overall Results for sample 2 : 34-2

Number of peaks found: 32
 Noise: 2.1
 Corr. Area 1: 6,043.3

Region table for sample 2 : 34-2

From To [bp]	Corr. Area [bp]	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	6,043.3	61	729	19.7	4,001.82	8,776.3

Peak table for sample 2 : 34-2

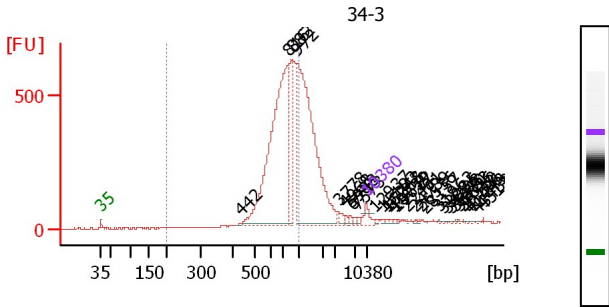
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.2	Lower Marker
2	192	4.01	31.6	
3	256	2.82	16.7	
4	299	4.23	21.4	
5	326	5.84	27.1	
6	349	4.99	21.6	
7	366	7.07	29.3	
8	397	4.29	16.4	
9	430	6.63	23.4	
10	443	10.54	36.0	
11	809	2,671.39	5,004.4	
12	870	3,143.01	5,475.3	
13	4,794	23.14	7.3	
14	6,101	17.69	4.4	
15	6,817	17.89	4.0	
16	7,721	12.25	2.4	
17	10,380	75.00	10.9	Upper Marker
18	13,163	0.00	0.0	
19	15,451	0.00	0.0	
20	16,502	0.00	0.0	
21	18,296	0.00	0.0	
22	20,708	0.00	0.0	
23	22,006	0.00	0.0	
24	25,469	0.00	0.0	

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
25	27,572	0.00	0.0	
26	29,365	0.00	0.0	
27	31,406	0.00	0.0	
28	32,334	0.00	0.0	
29	34,313	0.00	0.0	
30	35,240	0.00	0.0	
31	39,384	0.00	0.0	
32	40,002	0.00	0.0	
33	41,363	0.00	0.0	
34	47,052	0.00	0.0	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE72901979_2010-03-01_16-05-41.xad

Created: 3/1/2010 4:05:41 PM
 Modified: 3/1/2010 4:47:13 PM

Electropherogram Summary Continued ...



Peak table for sample 3 : 34-3

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.2	Lower Marker
2	442	13.25	45.4	
3	816	3,042.80	5,649.1	
4	882	591.17	1,015.9	
5	972	2,711.37	4,227.2	
6	3,778	39.71	15.9	
7	4,968	24.63	7.5	
8	5,988	21.84	5.5	
9	6,753	14.05	3.2	
10	7,573	24.45	4.9	
11	10,380	75.00	10.9	Upper Marker
12	12,937	0.00	0.0	
13	15,183	0.00	0.0	
14	16,243	0.00	0.0	
15	17,366	0.00	0.0	
16	18,739	0.00	0.0	
17	19,612	0.00	0.0	
18	22,481	0.00	0.0	
19	24,789	0.00	0.0	
20	26,536	0.00	0.0	
21	28,157	0.00	0.0	
22	31,962	0.00	0.0	
23	33,085	0.00	0.0	
24	34,208	0.00	0.0	
25	35,830	0.00	0.0	

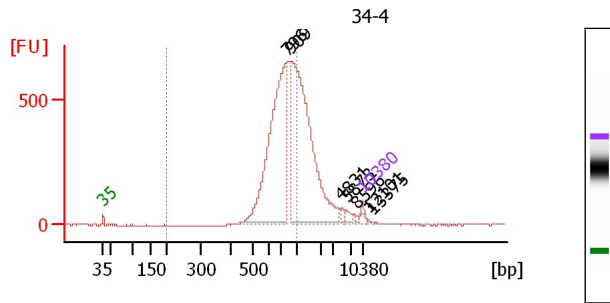
Overall Results for sample 3 : 34-3

Number of peaks found: 30
 Noise: 1.8
 Corr. Area 1: 5,091.9

Region table for sample 3 : 34-3

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	5,091.9	60	732	19.2	4,522.64	9,785.7	Blue

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
26	36,703	0.00	0.0	
27	37,826	0.00	0.0	
28	39,510	0.00	0.0	
29	40,196	0.00	0.0	
30	41,443	0.00	0.0	
31	43,439	0.00	0.0	
32	45,124	0.00	0.0	



Overall Results for sample 4 : 34-4

Number of peaks found: 7
 Noise: 1.2
 Corr. Area 1: 5,259.3

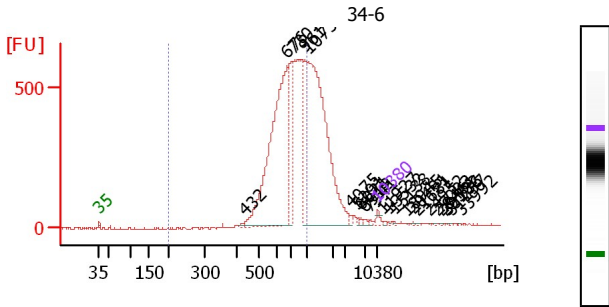
Region table for sample 4 : 34-4

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	5,259.3	61	738	18.6	5,284.54	11,290.7	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE72901979_2010-03-01_16-05-41.xad

Created: 3/1/2010 4:05:41 PM
 Modified: 3/1/2010 4:47:13 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : 34-6

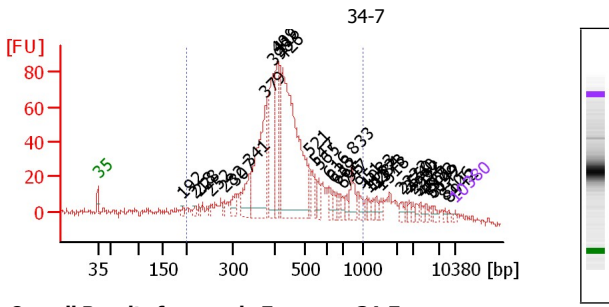
Number of peaks found: 23
 Noise: 1.5
 Corr. Area 1: 6,036.0

Region table for sample 6 : 34-6

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarit y [pmol/l r]	Co lo
200	1,000	6,036.0	61	708	20.1	10,251.7	23,018.4	5

Peak table for sample 6 : 34-6

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.2	Lower Marker
2	432	31.92	112.0	
3	676	5,368.77	12,030.2	
4	730	1,253.08	2,599.8	
5	961	1,056.58	1,666.1	
6	1,073	5,128.81	7,244.8	
7	4,075	45.16	16.8	
8	5,291	35.18	10.1	
9	6,021	27.43	6.9	
10	6,912	36.18	7.9	
11	7,941	28.11	5.4	
12	10,380	75.00	10.9	Upper Marker
13	11,927	0.00	0.0	
14	13,532	0.00	0.0	
15	15,138	0.00	0.0	
16	18,945	0.00	0.0	
17	20,491	0.00	0.0	
18	21,681	0.00	0.0	
19	24,952	0.00	0.0	
20	27,093	0.00	0.0	
21	28,461	0.00	0.0	
22	29,532	0.00	0.0	
23	30,186	0.00	0.0	
24	31,257	0.00	0.0	
25	33,992	0.00	0.0	



Overall Results for sample 7 : 34-7

Number of peaks found: 38
 Noise: 1.2
 Corr. Area 1: 1,381.4

Region table for sample 7 : 34-7

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarit y [pmol/l r]	Co lo
200	1,000	1,381.4	84	458	29.8	48,878.6	179,011.0	0

Peak table for sample 7 : 34-7

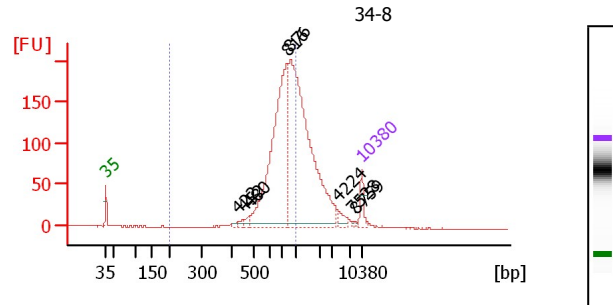
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	192	184.24	1,452.7	
3	218	304.97	2,119.9	
4	228	222.97	1,482.6	
5	252	261.39	1,573.5	
6	282	363.88	1,956.3	
7	307	807.11	3,986.2	
8	341	2,155.41	9,586.4	
9	379	7,175.44	28,682.6	
10	398	4,469.22	17,014.8	
11	409	3,208.89	11,881.3	
12	416	2,487.19	9,051.8	
13	426	14,507.05	51,563.2	
14	521	853.92	2,483.3	
15	547	614.71	1,702.4	
16	565	526.31	1,411.2	
17	616	397.47	977.8	
18	638	452.13	1,073.7	
19	662	379.84	870.0	
20	695	278.29	606.3	
21	747	357.50	724.9	
22	833	1,278.24	2,326.1	
23	951	396.78	631.8	
24	1,083	253.55	354.9	
25	1,152	197.28	259.5	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE72901979_2010-03-01_16-05-41.xad

Created: 3/1/2010 4:05:41 PM
 Modified: 3/1/2010 4:47:13 PM

Electropherogram Summary Continued ...

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
26	1,284	278.99	329.1	
27	1,373	277.64	306.4	
28	1,518	245.19	244.7	
29	2,222	281.46	191.9	
30	2,550	181.80	108.0	
31	2,740	226.38	125.2	
32	2,992	145.87	73.9	
33	3,486	206.56	89.8	
34	4,561	139.92	46.5	
35	4,972	141.88	43.2	
36	5,699	121.59	32.3	
37	6,142	191.37	47.2	
38	8,106	117.86	22.0	
39	8,942	103.32	17.5	
40	10,380	75.00	10.9	Upper Marker



Overall Results for sample 8 : 34-8

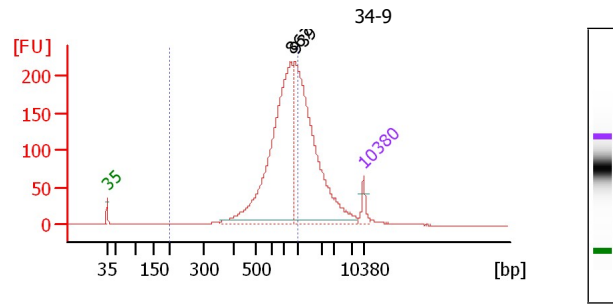
Number of peaks found: 8
 Noise: 0.4
 Corr. Area 1: 1,497.7

Region table for sample 8 : 34-8

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	1,497.7	60	740	19.1	2,187.79	4,691.2	Blue

Peak table for sample 8 : 34-8

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.2	Lower Marker
2	422	12.66	45.4	
3	452	20.71	69.4	
4	480	30.04	94.9	
5	816	1,463.77	2,717.0	
6	876	1,942.23	3,359.7	
7	4,224	54.63	19.6	
8	7,528	6.24	1.3	
9	8,759	5.09	0.9	
10	10,380	75.00	10.9	Upper Marker



Overall Results for sample 9 : 34-9

Number of peaks found: 2
 Noise: 0.2
 Corr. Area 1: 1,889.1

Region table for sample 9 : 34-9

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	1,889.1	60	710	22.4	2,884.85	6,645.0	Blue

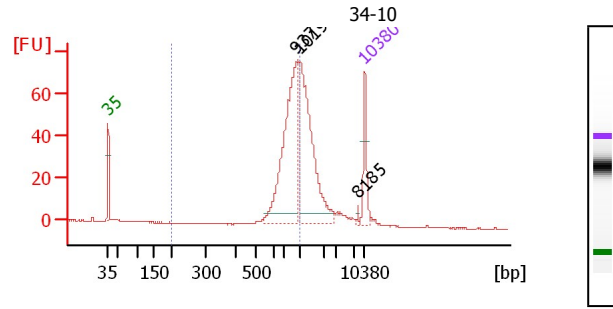
Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE72901979_2010-03-01_16-05-41.xad

Created: 3/1/2010 4:05:41 PM
 Modified: 3/1/2010 4:47:13 PM

Electropherogram Summary Continued ...

Peak table for sample 9 : 34-9

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	867	2,155.36	3,767.9	
3	939	1,968.16	3,176.0	
4	10,380	75.00	10.9	Upper Marker



Overall Results for sample 10 : 34-10

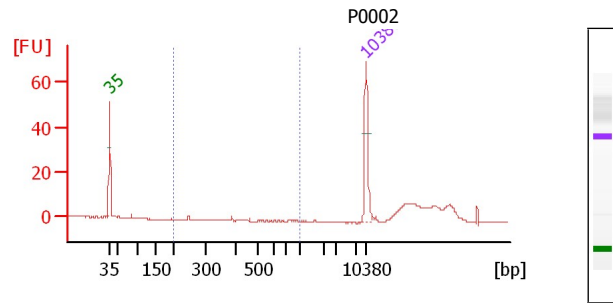
Number of peaks found: 3
 Noise: 0.2
 Corr. Area 1: 370.0

Region table for sample 10 : 34-10

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	370.0	51	803	15.5	575.15	1,114.4	Blue

Peak table for sample 10 : 34-10

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	937	467.87	756.6	
3	1,019	440.32	654.9	
4	8,185	3.48	0.6	
5	10,380	75.00	10.9	Upper Marker



Overall Results for sample 11 : P0002

Number of peaks found: 0
 Noise: 0.1
 Corr. Area 1: 0.4

Region table for sample 11 : P0002

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	0.4	0	329	24.8	0.66	3.4	Blue

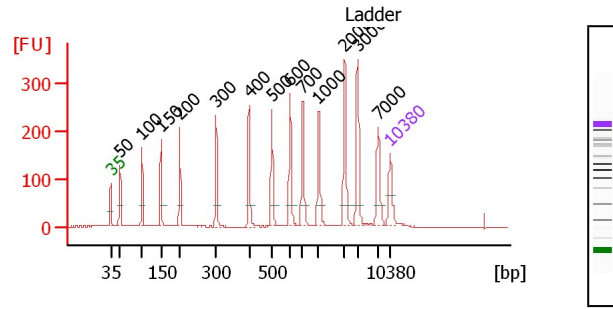
Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE72901979_2010-03-01_16-05-41.xad

Created: 3/1/2010 4:05:41 PM
 Modified: 3/1/2010 4:47:13 PM

Electropherogram Summary Continued ...

Peak table for sample 11 : P0002

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.2	Lower Marker
2	10,380	75.00	10.9	Upper Marker



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

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
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:\...gh Sensitivity DNA Assay_DE72901979_2010-03-01_16-05-41.xad

Created: 3/1/2010 4:05:41 PM
Modified: 3/1/2010 4:47:13 PM

Gel Image

