

Assay Class: High Sensitivity DNA Assay
Data Path: D:\...gh Sensitivity DNA Assay_DE24802235_2011-10-18_18-43-01.xad

Created: 10/18/2011 6:43:01 PM
Modified: 10/18/2011 7:09:11 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

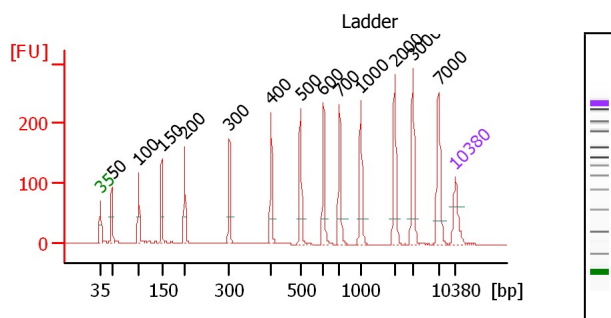
Ladder

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

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Electropherogram Summary



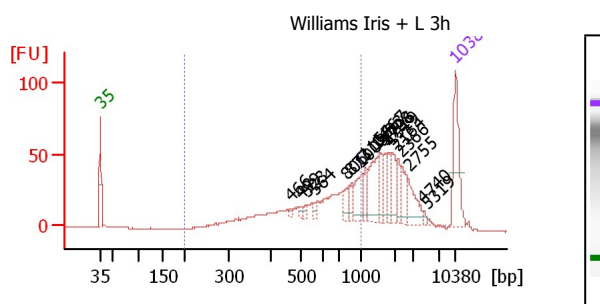
Overall Results for Ladder

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

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



Overall Results for sample 1 : Williams Iris + L 3h

Number of peaks found: 18
 Noise: 0.2
 Corr. Area 1: 512.1

Region table for sample 1 : Williams Iris + L 3h

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	512.1	49	602	32.9	431.27	1,285.6	Blue

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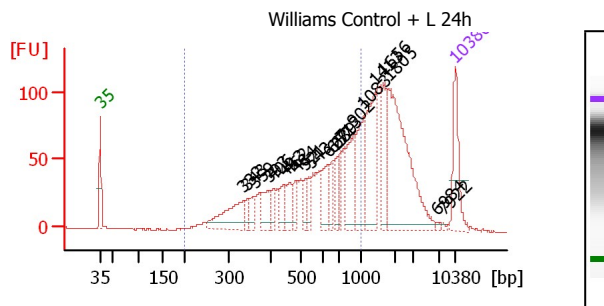
Created: 10/18/2011 6:43:01 PM
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Electropherogram Summary Continued ...

Peak table for sample 1 :

Williams Iris + L 3h

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	466	4.30	14.0	
3	499	5.89	17.9	
4	523	7.51	21.7	
5	564	9.57	25.7	
6	806	16.55	31.1	
7	873	20.78	36.0	
8	1,009	45.85	68.8	
9	1,154	19.12	25.1	
10	1,483	61.17	62.5	
11	1,567	30.06	29.1	
12	1,728	21.24	18.6	
13	1,796	26.04	22.0	
14	1,919	32.65	25.8	
15	2,164	19.27	13.5	
16	2,366	31.57	20.2	
17	2,755	36.38	20.0	
18	4,740	3.84	1.2	
19	5,319	1.92	0.5	
20	10,380	75.00	10.9	Upper Marker



Overall Results for sample 2 : Williams Control + L 24h

Number of peaks found: 21
 Noise: 0.2
 Corr. Area 1: 1,243.1

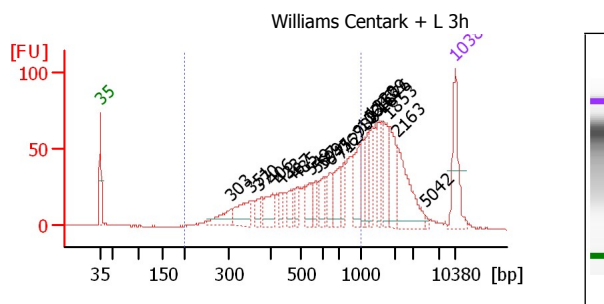
Region table for sample 2 : Williams Control + L 24h

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	1,243.1	55	577	34.7	935.35	2,954.5	Blue

Peak table for sample 2 :

Williams Control + L 24h

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	332	113.07	516.5	
3	343	18.19	80.3	
4	359	31.04	130.8	
5	393	47.04	181.3	
6	406	27.50	102.7	
7	443	41.36	141.4	
8	462	43.49	142.5	
9	484	25.69	80.4	
10	521	29.70	86.4	
11	543	29.91	83.4	
12	627	63.59	153.6	
13	657	37.98	87.5	
14	689	33.77	74.3	
15	713	30.80	65.4	
16	902	88.88	149.3	
17	1,083	94.72	132.5	
18	1,413	127.69	137.0	
19	1,656	59.76	54.7	
20	1,805	293.18	246.1	
21	6,984	4.04	0.9	
22	7,922	2.27	0.4	
23	10,380	75.00	10.9	Upper Marker



Overall Results for sample 3 : Williams Centark + L 3h

Number of peaks found: 22
 Noise: 0.3
 Corr. Area 1: 868.5

Region table for sample 3 : Williams Centark + L 3h

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	868.5	57	578	34.6	732.63	2,301.9	Blue

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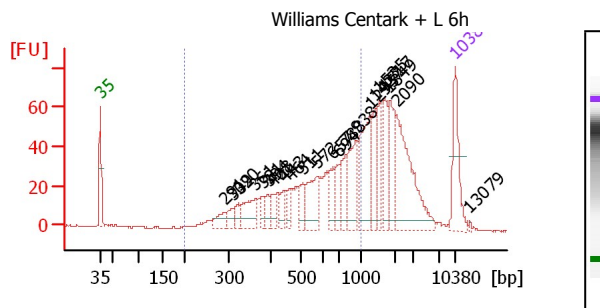
Created: 10/18/2011 6:43:01 PM
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Electropherogram Summary Continued ...

Peak table for sample 3 :

Williams Centark + L 3h

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	303	47.76	238.7	
3	351	62.79	271.2	
4	370	22.54	92.3	
5	406	47.04	175.5	
6	433	20.20	70.6	
7	467	28.12	91.2	
8	485	25.43	79.4	
9	549	44.13	121.8	
10	567	22.01	58.8	
11	599	37.28	94.2	
12	645	30.08	70.6	
13	712	57.72	122.8	
14	767	27.08	53.5	
15	988	63.82	97.9	
16	1,064	29.69	42.3	
17	1,233	47.20	58.0	
18	1,330	34.63	39.5	
19	1,539	43.12	42.5	
20	1,676	58.72	53.1	
21	1,853	57.31	46.9	
22	2,163	97.48	68.3	
23	5,042	3.79	1.1	
24	10,380	75.00	10.9	Upper Marker



Overall Results for sample 4 : Williams Centark + L 6h

Number of peaks found: 22
 Noise: 0.3
 Corr. Area 1: 736.7

Region table for sample 4 : Williams Centark + L 6h

From To [bp]	Area [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	736.7	53	580	34.7	754.71	2,374.7	Blue

Peak table for sample 4 :

Williams Centark + L 6h

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	291	30.13	157.0	
3	309	21.09	103.6	
4	320	20.42	96.7	
5	361	66.03	277.2	
6	381	19.98	79.4	
7	394	24.24	93.3	
8	408	23.32	86.6	
9	443	30.09	103.0	
10	464	19.62	64.1	
11	511	36.41	108.0	
12	572	74.88	198.3	
13	657	41.99	96.8	
14	694	37.33	81.5	
15	788	45.31	87.2	
16	938	85.93	138.8	
17	1,295	111.49	130.5	
18	1,427	53.24	56.5	
19	1,535	40.82	40.3	
20	1,717	48.81	43.1	
21	1,849	67.03	54.9	
22	2,090	159.83	115.9	
23	10,380	75.00	10.9	Upper Marker
24	13,079	0.00	0.0	