

Assay Class: High Sensitivity DNA Assay
Data Path: D:\...gh Sensitivity DNA Assay_DE24802235_2011-05-04_17-41-21.xad

Created: 5/4/2011 5:41:21 PM
Modified: 5/5/2011 12:33:59 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

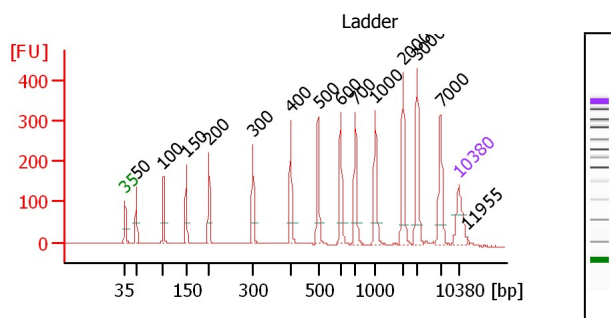
Ladder

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

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Electropherogram Summary



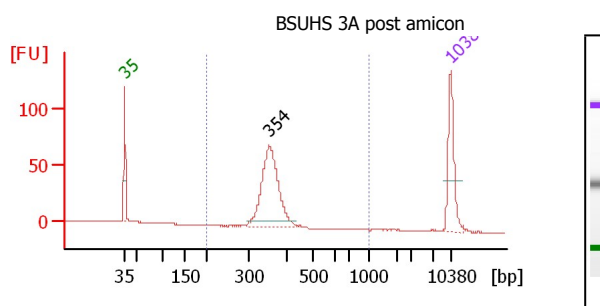
Overall Results for Ladder

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
16	11,955	0.00	0.0	



Overall Results for sample 1 : BSUHS 3A post amicon

Number of peaks found: 1
 Noise: 0.3
 Corr. Area 1: 413.1

Region table for sample 1 : BSUHS 3A post amicon

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	413.1	92	358	6.8	250.26	1,062.8	Blue

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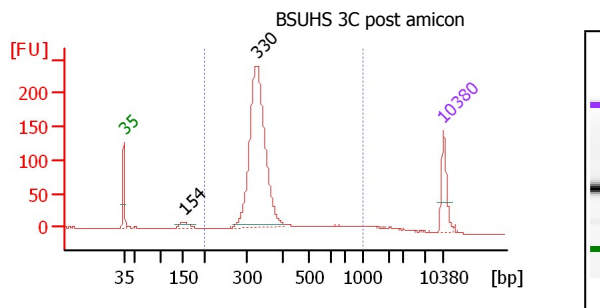
Created: 5/4/2011 5:41:21 PM
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Electropherogram Summary Continued ...

Peak table for sample 1 :

BSUHS 3A post amicon

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	354	254.77	1,091.7	
3	10,380	75.00	10.9	Upper Marker



Overall Results for sample 2 :

BSUHS 3C post amicon

Number of peaks found: 2
 Noise: 0.4
 Corr. Area 1: 1,579.4

Region table for sample 2 :

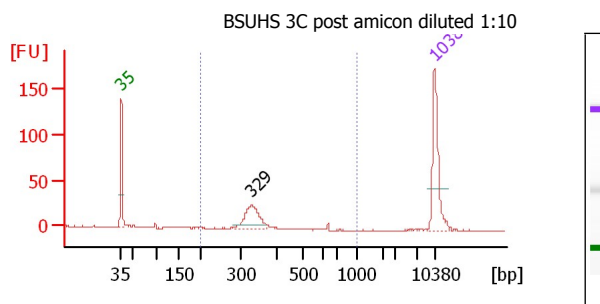
BSUHS 3C post amicon

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	1,579.4	90	367	30.1	1,007.85	4,438.7	Blue

Peak table for sample 2 :

BSUHS 3C post amicon

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	154	33.75	331.0	
3	330	869.64	3,990.6	
4	10,380	75.00	10.9	Upper Marker



Overall Results for sample 3

Number of peaks found: 1
 Noise: 0.3
 Corr. Area 1: 133.9

Region table for sample 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	133.9	90	337	12.5	66.52	301.8	Blue

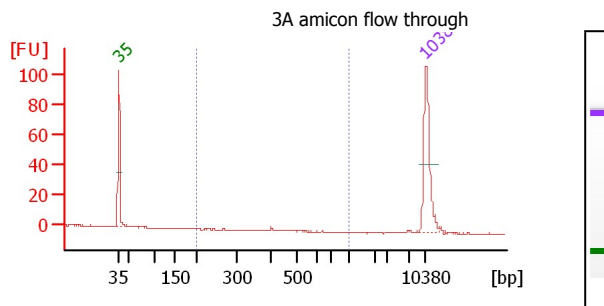
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Electropherogram Summary Continued ...

Peak table for sample 3

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	329	66.44	306.0	
3	10,380	75.00	10.9	Upper Marker



Overall Results for sample 4 : 3A amicon flow through

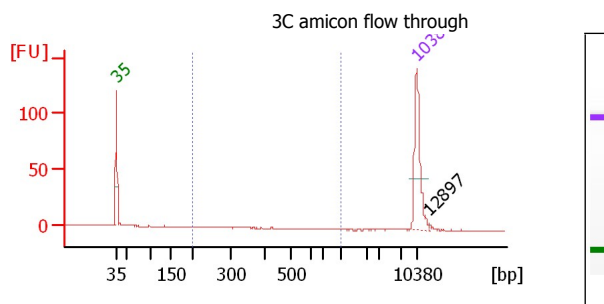
Number of peaks found: 0
 Noise: 0.3
 Corr. Area 1: 0.5

Region table for sample 4 : 3A amicon flow through

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	0.5	4	400	0.3	0.38	1.4	Blue

Peak table for sample 4 : 3A amicon flow through

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



Overall Results for sample 5 : 3C amicon flow through

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

Region table for sample 5 : 3C amicon flow through

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	0.2	1	332	18.4	0.10	0.5	Blue

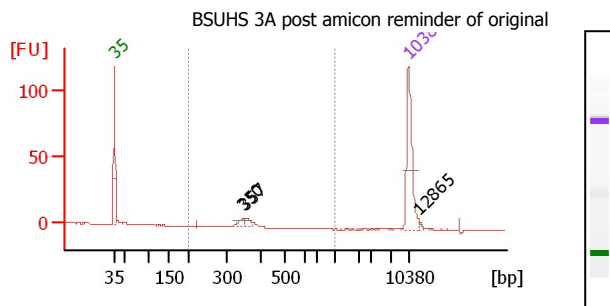
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Electropherogram Summary Continued ...

Peak table for sample 5 : 3C amicon flow through

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	10,380	75.00	10.9	Upper Marker
3	12,897	0.00	0.0	



Overall Results for sample 6 : BSUHS 3A post amicon reminder of original

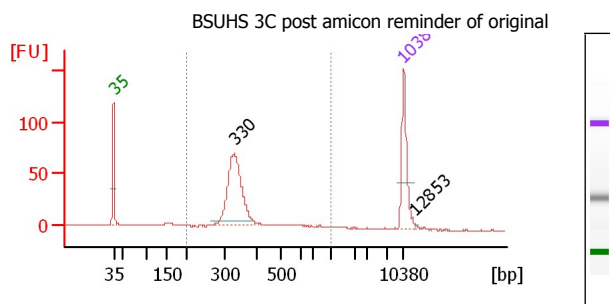
Number of peaks found: 3
 Noise: 0.2
 Corr. Area 1: 26.5

Region table for sample 6 : BSUHS 3A post amicon reminder of original

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	26.5	67	353	7.7	18.23	79.2	Blue

Peak table for sample 6 : BSUHS 3A post amicon reminder of original

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	350	8.95	38.8	
3	357	9.79	41.6	
4	10,380	75.00	10.9	Upper Marker
5	12,865	0.00	0.0	



Overall Results for sample 7 : BSUHS 3C post amicon reminder of original

Number of peaks found: 2
 Noise: 0.2
 Corr. Area 1: 460.7

Region table for sample 7 : BSUHS 3C post amicon reminder of original

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	460.7	89	361	27.4	269.24	1,192.7	Blue

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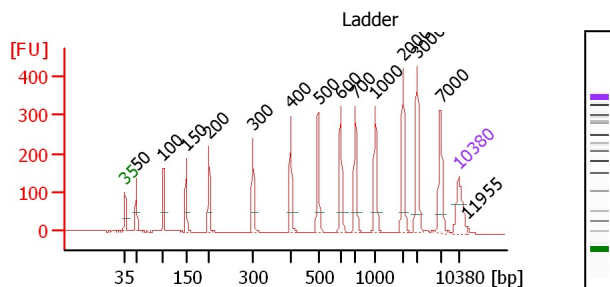
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Electropherogram Summary Continued ...

Peak table for sample 7 :

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	330	227.71	1,045.3	
3	10,380	75.00	10.9	Upper Marker
4	12,853	0.00	0.0	

BSUHS 3C post amicon reminder of original



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
16	11,955	0.00	0.0	