Assay Class: High Sensitivity DNA Assay
Data Path: D:\...gh Sensitivity DNA Assay_DE24802235_2010-10-05_14-27-52.xad

Created: 10/5/2010 2:27:52 PM
Modified: 10/5/2010 3:44:18 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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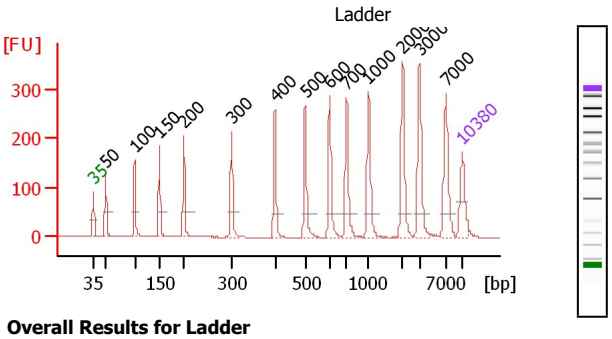
Electropherogram Summary

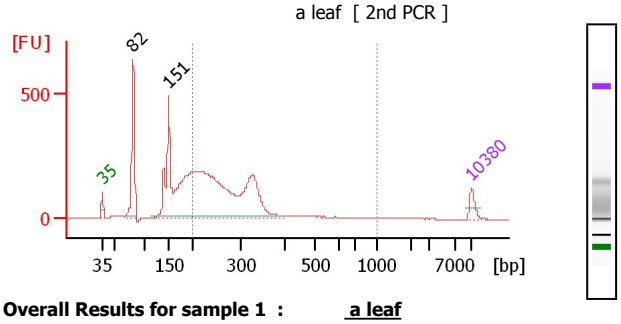


Overall Results for Ladder

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
14		7,000	150.00	32.5	Ladder Peak
15		10,380	75.00	10.9	Upper Marker



Overall Results for sample 1 : a leaf

Number of peaks found: 2
Noise: 0.3
Corr. Area 1: 3,104.6

Region table for sample 1 : a leaf

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	3,104.6	53	292	33.4	2,897.41	16,340.5	

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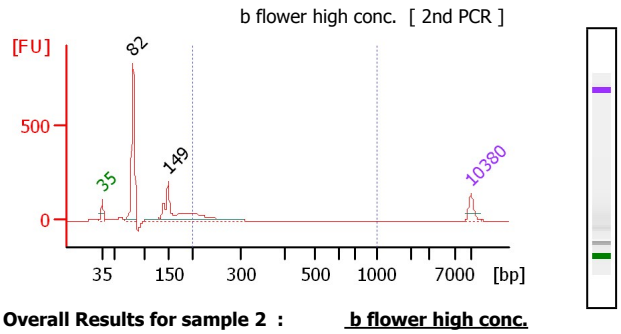
Electropherogram Summary Continued ...

Peak table for sample 1 : a leaf

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	82	940.90	17,419.3	
3	151	5,622.38	56,554.5	
4	10,380	75.00	10.9	Upper Marker



Overall Results for sample 2 : b flower high conc.

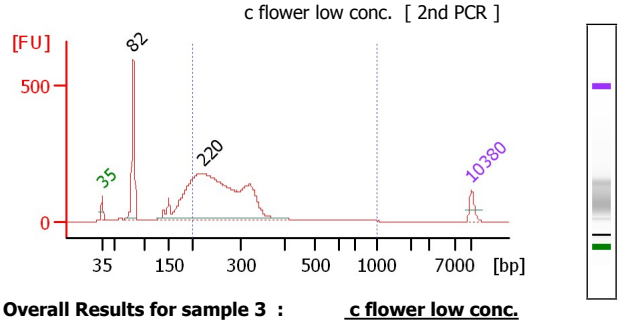
Number of peaks found:	2
Noise:	0.2
Corr. Area 1:	234.3

Region table for sample 2 : b flower high conc.

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	234.3	11	242	21.3	204.97	1,318.1	

Peak table for sample 2 : b flower high conc.

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	82	1,177.37	21,767.4	
3	149	824.62	8,360.3	
4	10,380	75.00	10.9	Upper Marker



Overall Results for sample 3 : c flower low conc.

Number of peaks found:	2
Noise:	0.2
Corr. Area 1:	2,893.0

Region table for sample 3 : c flower low conc.

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	2,893.0	63	289	33.2	3,009.87	17,063.1	

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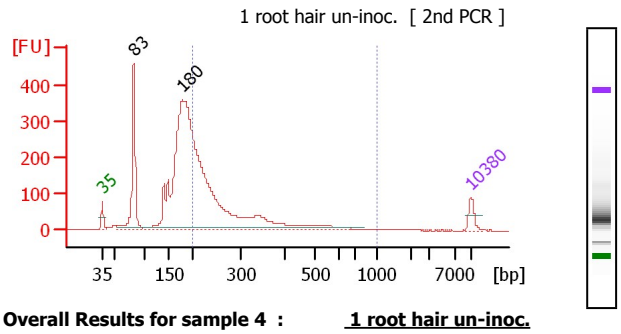
Electropherogram Summary Continued ...

Peak table for sample 3 : c flower low conc.

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	82	928.76	17,161.6	
3	220	3,758.49	25,844.8	
4	10,380	75.00	10.9	Upper Marker



Overall Results for sample 4 : 1 root hair un-inoc.

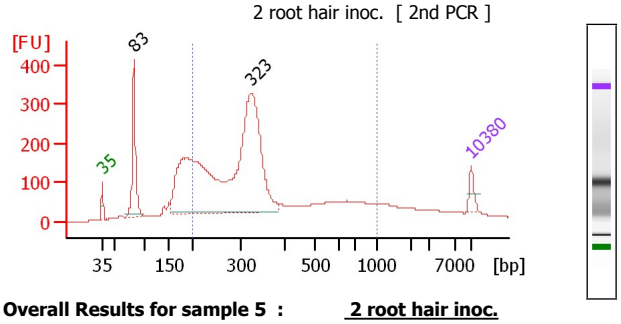
Number of peaks found:	2
Noise:	0.2
Corr. Area 1:	1,967.6

Region table for sample 4 : 1 root hair un-inoc.

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	1,967.6	40	291	39.1	2,412.27	14,239.1	

Peak table for sample 4 : 1 root hair un-inoc.

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	83	993.78	18,208.6	
3	180	5,938.13	50,054.0	
4	10,380	75.00	10.9	Upper Marker



Overall Results for sample 5 : 2 root hair inoc.

Number of peaks found:	2
Noise:	0.2
Corr. Area 1:	4,449.9

Region table for sample 5 : 2 root hair inoc.

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	4,449.9	64	375	43.8	5,030.85	24,380.2	

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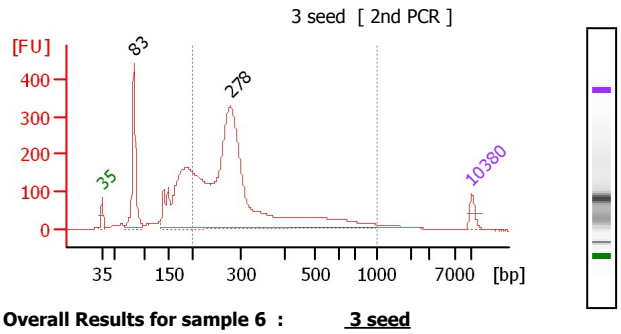
Electropherogram Summary Continued ...

Peak table for sample 5 : 2 root hair inoc.

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	83	823.75	15,036.8	
3	323	3,995.14	18,724.0	
4	10,380	75.00	10.9	Upper Marker



Overall Results for sample 6 : 3 seed

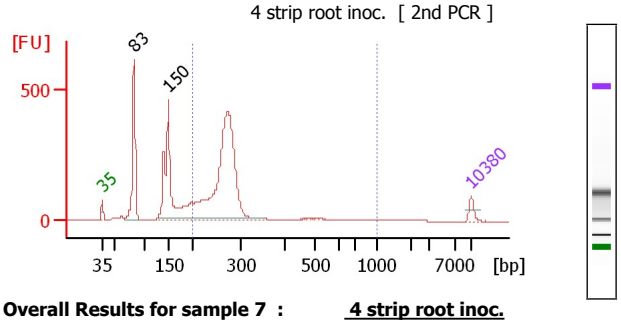
Number of peaks found:	2
Noise:	0.2
Corr. Area 1:	3,669.2

Region table for sample 6 : 3 seed

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	3,669.2	63	330	41.4	4,381.80	23,052.9	

Peak table for sample 6 : 3 seed

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	83	986.13	17,986.6	
3	278	5,686.47	30,961.6	
4	10,380	75.00	10.9	Upper Marker



Overall Results for sample 7 : 4 strip root inoc.

Number of peaks found:	2
Noise:	0.2
Corr. Area 1:	2,635.8

Region table for sample 7 : 4 strip root inoc.

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	2,635.8	55	291	33.3	3,429.02	19,090.7	

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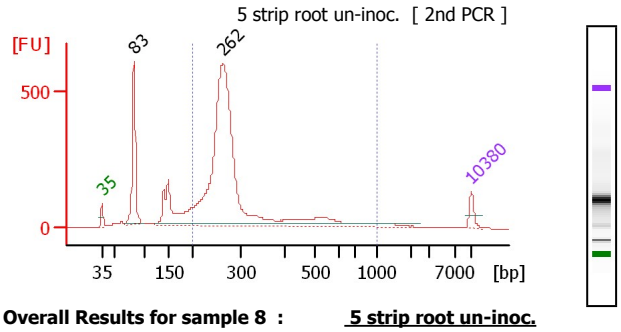
Electropherogram Summary Continued ...

Peak table for sample 7 : 4 strip root inoc.

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	83	1,320.97	24,126.3	
3	150	6,083.75	61,507.8	
4	10,380	75.00	10.9	Upper Marker



Overall Results for sample 8 : 5 strip root un-inoc.

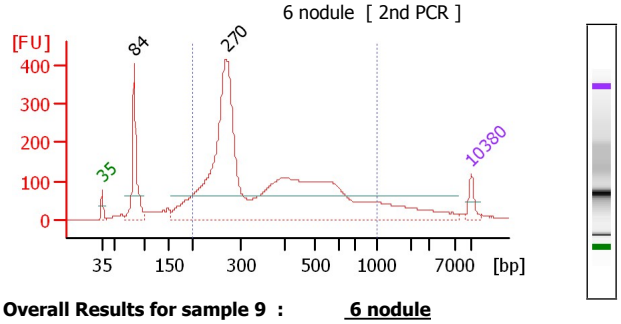
Number of peaks found:	2
Noise:	0.2
Corr. Area 1:	4,526.2

Region table for sample 8 : 5 strip root un-inoc.

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	4,526.2	69	313	40.2	4,426.71	24,037.4	

Peak table for sample 8 : 5 strip root un-inoc.

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	83	1,037.87	18,876.3	
3	262	4,860.88	28,099.3	
4	10,380	75.00	10.9	Upper Marker



Overall Results for sample 9 : 6 nodule

Number of peaks found:	2
Noise:	0.2
Corr. Area 1:	4,922.2

Region table for sample 9 : 6 nodule

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	4,922.2	73	393	42.1	4,551.25	21,394.7	

Peak table for sample 9 : 6 nodule

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	84	818.01	14,836.6	
3	270	6,002.82	33,718.9	
4	10,380	75.00	10.9	Upper Marker

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