

Assay Class: High Sensitivity DNA Assay
Data Path: D:\...gh Sensitivity DNA Assay_DE24802235_2010-10-05_13-21-22.xad

Created: 10/5/2010 1:21:22 PM
Modified: 10/5/2010 3:58:29 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

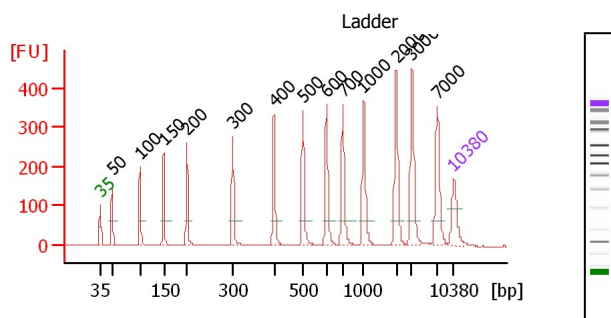
Ladder

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



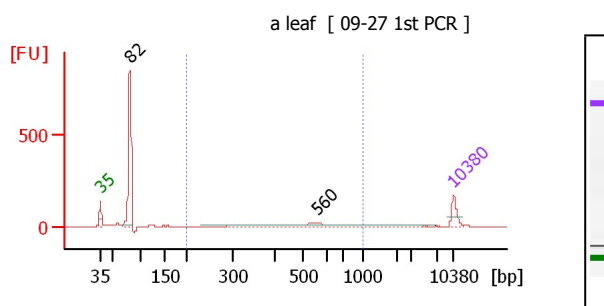
Overall Results for Ladder

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 : a leaf

Number of peaks found: 2
 Noise: 0.2
 Corr. Area 1: 450.2

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	450.2	23	506	35.1	286.76	1,023.9	Blue

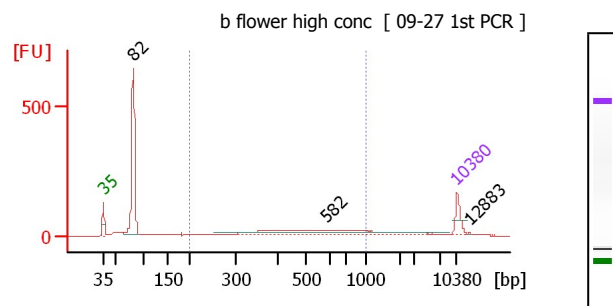
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Electropherogram Summary Continued ...

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	1,067.66	19,837.5	
3	560	188.45	509.9	
4	10,380	75.00	10.9	Upper Marker



Overall Results for sample 2 : b flower high conc

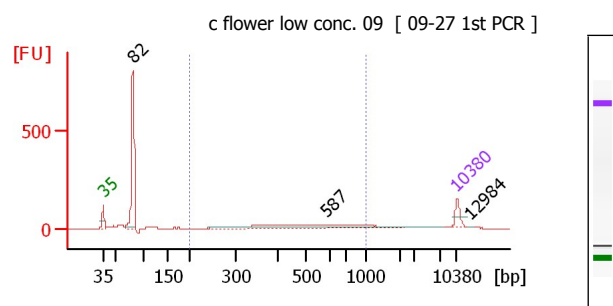
Number of peaks found: 3
 Noise: 0.2
 Corr. Area 1: 774.5

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	774.5	34	504	37.0	532.36	1,956.1	Blue

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	958.94	17,632.2	
3	582	327.78	853.0	
4	10,380	75.00	10.9	Upper Marker
5	12,883	0.00	0.0	



Overall Results for sample 3 : c flower low conc. 09

Number of peaks found: 3
 Noise: 0.2
 Corr. Area 1: 612.2

Region table for sample 3 : c flower low conc. 09

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	612.2	28	513	35.3	427.96	1,516.9	Blue

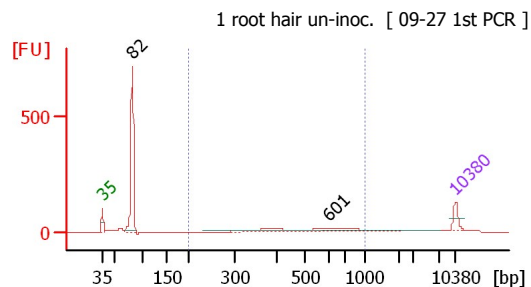
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Electropherogram Summary Continued ...

Peak table for sample 3 : c flower low conc. 09

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	82	1,126.16	20,759.0	
3	587	272.59	703.3	
4	10,380	75.00	10.9	Upper Marker
5	12,984	0.00	0.0	



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

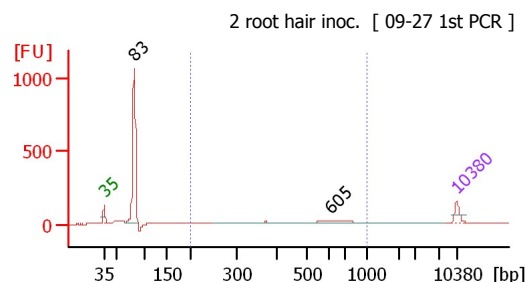
Number of peaks found: 2
 Noise: 0.2
 Corr. Area 1: 399.5

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	399.5	24	527	34.6	334.90	1,145.0	Blue

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	82	1,152.08	21,215.6	
3	601	222.66	561.6	
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: 485.8

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	485.8	21	517	35.4	353.14	1,239.8	Blue

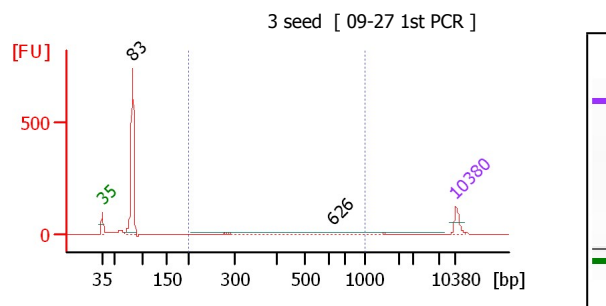
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Electropherogram Summary Continued ...

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	1,550.29	28,372.7	
3	605	224.73	562.9	
4	10,380	75.00	10.9	Upper Marker



Overall Results for sample 6 : 3 seed

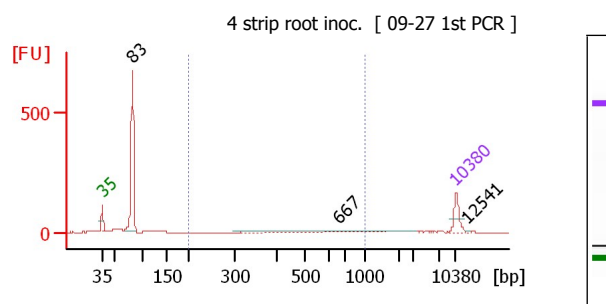
Number of peaks found: 2
 Noise: 0.1
 Corr. Area 1: 292.6

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	292.6	19	502	37.7	269.76	1,003.3	Blue

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	1,303.43	23,872.5	
3	626	171.77	415.7	
4	10,380	75.00	10.9	Upper Marker



Overall Results for sample 7 : 4 strip root inoc.

Number of peaks found: 3
 Noise: 0.2
 Corr. Area 1: 146.5

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	146.5	12	541	33.7	92.73	308.0	Blue

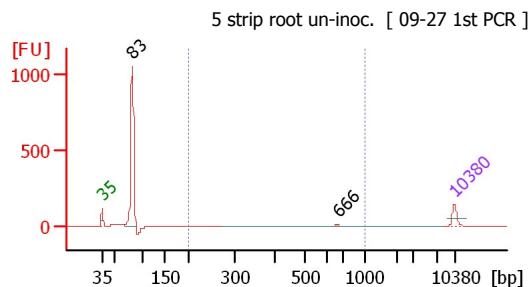
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Electropherogram Summary Continued ...

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	809.25	14,812.8	
3	667	46.58	105.7	
4	10,380	75.00	10.9	Upper Marker
5	12,541	0.00	0.0	



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

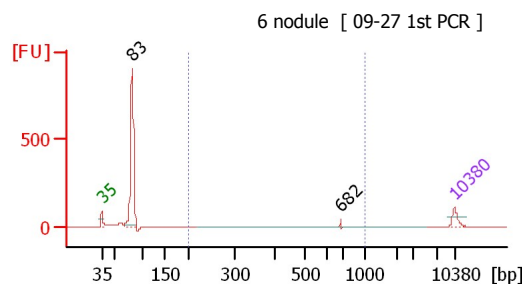
Number of peaks found: 2
 Noise: 0.2
 Corr. Area 1: 308.2

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	308.2	15	547	33.6	213.54	702.9	Blue

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	1,515.07	27,611.2	
3	666	135.37	308.0	
4	10,380	75.00	10.9	Upper Marker



Overall Results for sample 9 : 6 nodule

Number of peaks found: 2
 Noise: 0.1
 Corr. Area 1: 204.0

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	204.0	12	504	37.6	181.83	672.9	Blue

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	83	1,661.41	30,348.2	
3	682	86.53	192.3	
4	10,380	75.00	10.9	Upper Marker

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Gel Image