

Heavenly Gardens

email JGossard@aol.com

Web site www.Plantploidy.com

Plant ploidy testing

Cannabis samples

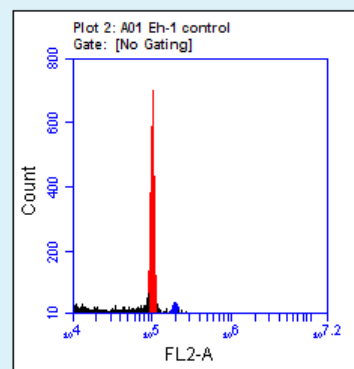
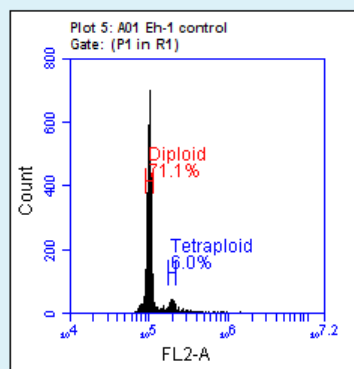
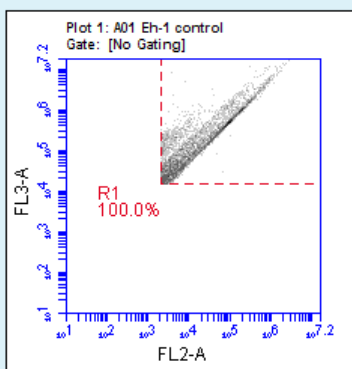
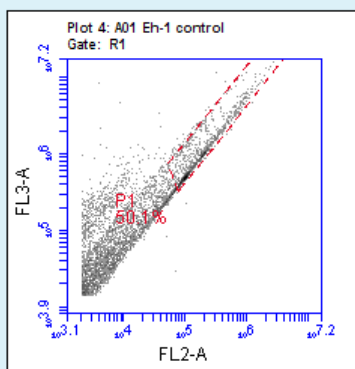
Email

Email

9-02-2022

Controls- CTRL 2x diploid control is Red. Blue is tetraploid.
Hosta is Green. Sample Id is above peak profile.

A1 - Eh-1 control ☒ Show Statistics

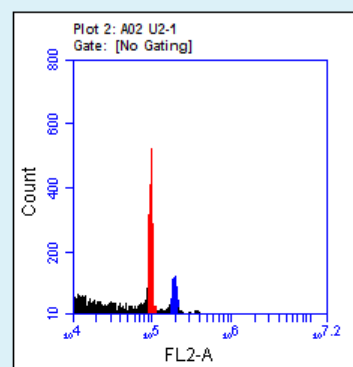
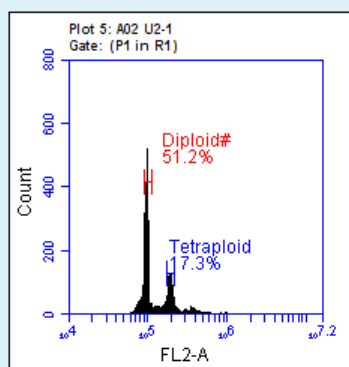
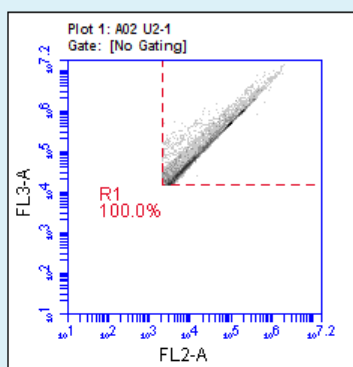
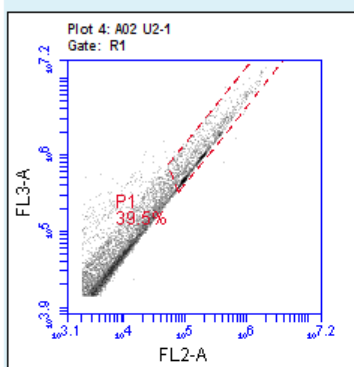


Plot 4: A01 Eh-1 control Gated on R1	Count	Events / μ L	% of This Plot	% of All	Mean FL2-A	Mean FL3-A	CV FL2-A	CV FL3-A	Median FL2-A	Median FL3-A
This Plot	6,528	159	100.00%	100.00%	82,841.92	495,163.15	185.44%	194.11%		
P1	3,269	80	50.08%	50.08%	148,942.45	809,916.19	128.27%	143.80%		

Plot 1: A01 Eh-1 control	Count	Events / μ L	% of This Plot	% of All	Mean FL2-A	Mean FL3-A	CV FL2-A	CV FL3-A	Median FL2-A	Median FL3-A
All	6,528	159	100.00%	100.00%	82,841.92	495,163.15	185.44%	194.11%		
R1	6,528	159	100.00%	100.00%	82,841.92	495,163.15	185.44%	194.11%		

Plot 5: A01 Eh-1 control Gated on (P1 in R1)	Count	Events / μ L	% of This Plot	% of All	Mean FL2-A	CV FL2-A	Median FL2-A
This Plot	3,269	80	100.00%	50.08%	148,942.45	128.27%	
Diploid (89,739.0 / 113,68...)	2,324	57	71.09%	35.60%	100,273.29	5.16%	
Tetraploid (169,225.0 / 2...)	195	5	5.97%	2.99%	192,530.32	6.25%	

Plot 2: A01 Eh-1 control	Count	Events / μ L	% of This Plot	% of All	Mean FL2-A	CV FL2-A	Median FL2-A
All	6,528	159	100.00%	100.00%	82,841.92	185.44%	



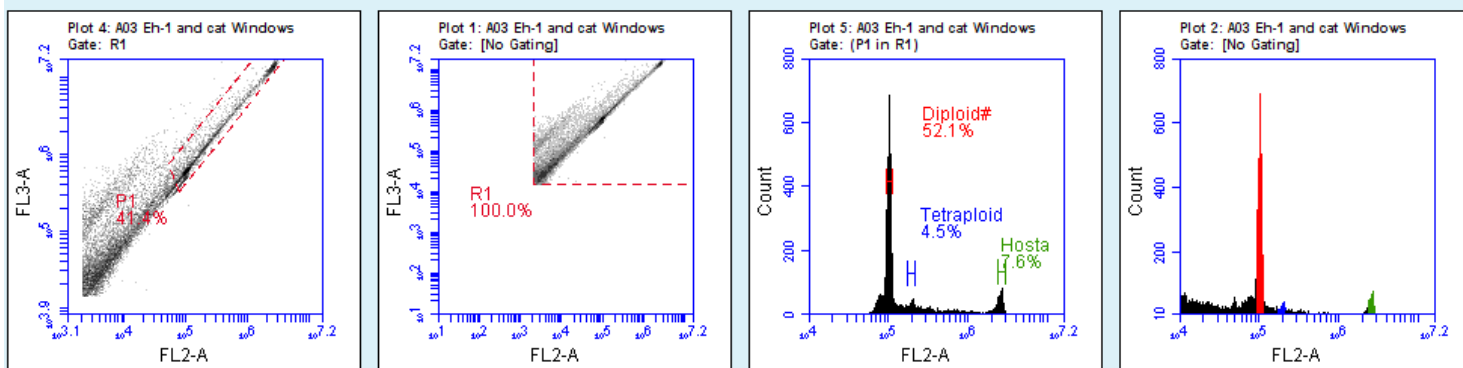
Plot 4: A02 U2-1 Gated on R1	Count	Events / μ L	% of This Plot	% of All	Mean FL2-A	Mean FL3-A	CV FL2-A	CV FL3-A	Median FL2-A	Median FL3-A
This Plot	8,093	184	100.00%	100.00%	76,891.91	448,120.68	210.45%	214.48%		
P1	3,194	73	39.47%	39.47%	171,062.52	966,890.78	123.50%	133.58%		

Plot 1: A02 U2-1	Count	Events / μ L	% of This Plot	% of All	Mean FL2-A	Mean FL3-A	CV FL2-A	CV FL3-A	Median FL2-A	Median FL3-A
All	8,093	184	100.00%	100.00%	76,891.91	448,120.68	210.45%	214.48%		
R1	8,093	184	100.00%	100.00%	76,891.91	448,120.68	210.45%	214.48%		

Plot 5: A02 U2-1 Gated on (P1 in R1)	Count	Events / μ L	% of This Plot	% of All	Mean FL2-A	CV FL2-A	Median FL2-A
This Plot	3,194	73	100.00%	39.47%	171,062.52	123.50%	
Diploid# (87,205.0 ...)	1,636	37	51.22%	20.22%	95,985.73	5.21%	
Tetraploid (169,225.0 ...)	554	13	17.35%	6.85%	191,544.46	5.82%	

Plot 2: A02 U2-1	Count	Events / μ L	% of This Plot	% of All	Mean FL2-A	CV FL2-A	Median FL2-A
All	8,093	184	100.00%	100.00%	76,891.91	210.45%	

A3 - Eh-1 and cat Windows ☒ Show Statistics



Plot 4: A03 Eh-1 and cat Windows Gated on R1	Count	Events / μ L	% of This Plot	% of All	Mean FL2-A	Mean FL3-A	CV FL2-A	CV FL3-A	Median FL2-A	Median FL3-A
This Plot	10,326	191	100.00%	100.00%	191,989.93	1,116,209.19	289.75%	253.61%		
P1	4,273	79	41.38%	41.38%	435,391.50	2,399,645.86	176.97%	165.15%		

Plot 1: A03 Eh-1 and cat Windows	Count	Events / μ L	% of This Plot	% of All	Mean FL2-A	Mean FL3-A	CV FL2-A	CV FL3-A	Median FL2-A	Median FL3-A
All	10,326	191	100.00%	100.00%	191,989.93	1,116,209.19	289.75%	253.61%		
R1	10,326	191	100.00%	100.00%	191,989.93	1,116,209.19	289.75%	253.61%		

Plot 5: A03 Eh-1 and cat Windows Gated on (P1 in R1)	Count	Events / μ L	% of This Plot	% of All	Mean FL2-A	CV FL2-A	Median FL2-A
This Plot	4,273	79	100.00%	41.38%	435,391.50	176.97%	
Diploid# (91,146.0 / 113,687.0)	2,227	41	52.12%	21.57%	101,370.64	5.13%	
Tetraploid (169,225.0 / 214,214.0)	193	4	4.52%	1.87%	193,134.27	6.29%	
Hosta (2,399,666.0 / 3,128,376.0)	323	6	7.56%	3.13%	2,691,717.10	6.17%	

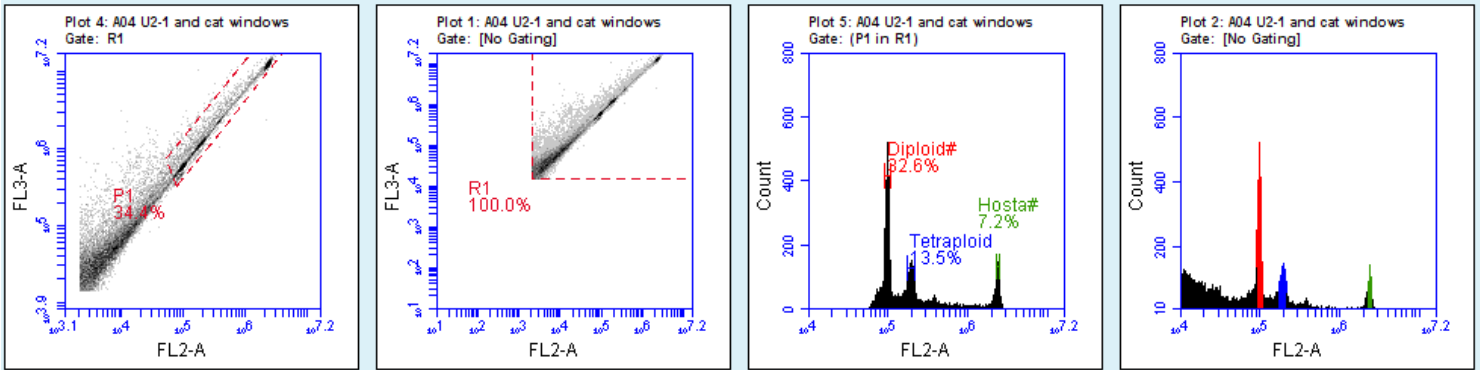
Plot 2: A03 Eh-1 and cat Windows	Count	Events / μ L	% of This Plot	% of All	Mean FL2-A	CV FL2-A	Median FL2-A
All	10,326	191	100.00%	100.00%	191,989.93	289.75%	

Hosta 'Cathedral Windows' genome size of 46.92 Gb (2C DNA content).

Sample calculation = 46.92 Gb Hosta 'Cathedral Windows' genome x
(101,370.64 / 2,691,717.10) = 1.77 Gb (2n DNA content)

Cannabis 'Eh-1' genome size of 1.77 Gb (2C DNA content).

A4 - U2-1 and cat windows ☒ Show Statistics



Plot 4: A04 U2-1 and cat windows Gated on R1	Count	Events / μ L	% of This Plot	% of All	Mean FL2-A	Mean FL3-A	CV FL2-A	CV FL3-A	Median FL2-A	Median FL3-A
This Plot	14,553	177	100.00%	100.00%	178,430.89	1,038,044.48	285.76%	256.59%		
P1	5,006	61	34.40%	34.40%	487,259.45	2,754,512.29	155.08%	142.78%		

Plot 1: A04 U2-1 and cat windows	Count	Events / μ L	% of This Plot	% of All	Mean FL2-A	Mean FL3-A	CV FL2-A	CV FL3-A	Median FL2-A	Median FL3-A
All	14,553	177	100.00%	100.00%	178,430.89	1,038,044.48	285.76%	256.59%		
R1	14,553	177	100.00%	100.00%	178,430.89	1,038,044.48	285.76%	256.59%		

Plot 5: A04 U2-1 and cat windows Gated on (P1 in R1)	Count	Events / μ L	% of This Plot	% of All	Mean FL2-A	CV FL2-A	Median FL2-A
This Plot	5,006	61	100.00%	34.40%	487,259.45	155.08%	
Diploid# (89,739.0 / 108,772.0)	1,631	20	32.58%	11.21%	97,785.34	4.63%	
Tetraploid (169,225.0 / 214,214.0)	678	8	13.54%	4.66%	192,061.61	6.37%	
Hosta# (2,295,916.0 / 2,621,439.0)	359	4	7.17%	2.47%	2,456,426.32	3.52%	

Plot 2: A04 U2-1 and cat windows	Count	Events / μ L	% of This Plot	% of All	Mean FL2-A	CV FL2-A	Median FL2-A
All	14,553	177	100.00%	100.00%	178,430.89	285.76%	

Hosta 'Cathedral Windows' genome size of 46.92 Gb (2C DNA content).

Sample calculation = 46.92 Gb Hosta 'Cathedral Windows' genome \times (97,785.34 / 2,456,426.32) = 1.87 Gb (2n DNA content)

Cannabis 'U2-1' genome size of 1.87 Gb (2C DNA content).

James Gossard

James Gossard, Laboratory Director

1075 Amity Road * Galloway, Ohio 43119 * (614) 419-1781 * (614) 851-1375 Fax