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#
# GP3xCLI
# GenePix Processing Program by CSIRO Livestock Industries
# Bioinformatics Group
#
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#
#####
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GPR Input: F16.gpr
 Processed on: Thu Apr 17 13:18:30 EST 2003

===== IMAGE QUALITY =====

Total No. of Spots -----> 19200
 Spots with Flag = -50 -----> 6674
 Spots with Flag = -100 -----> 13
 Red dye with Background >= Foreground ---> 1439
 Green dye with Background >= Foreground ---> 1302

Median to Mean Correlation Analysis:

Corr	DATA LEFT			
	RED Raw	RED Log2	GREEN Raw	GREEN Log2
> 0.00	19200	19200	19200	19200
> 0.20	19198	19200	19198	19200
> 0.40	19187	19200	19192	19200
> 0.60	19111	19200	19129	19200
> 0.80	18107	19196	18694	19195
> 0.85	15937	19192	18220	19191
> 0.90	10967	19153	16711	19171

===== VALID SPOTS* =====

Total No. of Valid Spots -----> 12493
 Percentage of Valid Spots -----> 65.1
 Total No. of Genes -----> 6333
 Mean No. Repetitions -----> 2 for 5639 Genes
 Min. No. Repetitions -----> 1 for 659 Genes
 Max. No. Repetitions -----> 24 for 6 Genes

	Log(R/G)	vs	0.5*Log(R*G)
N	12493		12493
Mean	0.038		8.706
Std	0.764		1.960
Min	-8.290		3.085
Max	4.154		15.591
Correlation		0.220	

Log(R/G) across Intensity Values	Intensity	Spots	% <0	% >0
(0 , 4)		9	88.9	11.1
(4 , 8)		5394	52.3	47.7
(8 , 12)		6149	26.4	73.6
(12 , 16)		941	24.7	75.3

*NB: Valid Spot defined as spots with Background < Foreground for both Red and Green channels and with a Quality Flag of 0.

