

```
#####
#
# GP3xCLI
# GenePix Processing Program by CSIRO Livestock Industries
# Bioinformatics Group
#
# Enquiries: Tony.Reverter-Gomez@csiro.au
# Copyright (c) 2003 CSIRO-LI
#
#####
```

GPR Input: F50.gpr
 Processed on: Thu Apr 17 13:19:49 EST 2003

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

Total No. of Spots -----> 19200
 Spots with Flag = -50 -----> 14430
 Spots with Flag = -100 -----> 234
 Red dye with Background >= Foreground ---> 11844
 Green dye with Background >= Foreground ---> 13539

Median to Mean Correlation Analysis:

Corr	DATA LEFT			
	RED Raw	RED Log2	GREEN Raw	GREEN Log2
> 0.00	19200	19200	19200	19200
> 0.20	19193	19200	19070	19200
> 0.40	18769	19200	18136	19200
> 0.60	17784	19200	16592	19200
> 0.80	15802	19058	13912	18841
> 0.85	14901	18748	12789	18329
> 0.90	13205	18070	11269	17367

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

Total No. of Valid Spots -----> 4442
 Percentage of Valid Spots -----> 23.1
 Total No. of Genes -----> 2264
 Mean No. Repetitions -----> 2 for 2086 Genes
 Min. No. Repetitions -----> 1 for 166 Genes
 Max. No. Repetitions -----> 16 for 1 Genes

	Log(R/G)	vs	0.5*Log(R*G)
N	4442		4442
Mean	0.013		11.166
Std	0.944		1.862
Min	-8.464		4.232
Max	10.351		15.962
Correlation		-0.198	

Log(R/G) across Intensity Values	Intensity	Spots	% <0	% >0
(0 , 4)		0	0.0	0.0
(4 , 8)		212	31.1	68.9
(8 , 12)		2735	56.7	43.3
(12 , 16)		1495	55.1	44.9

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

