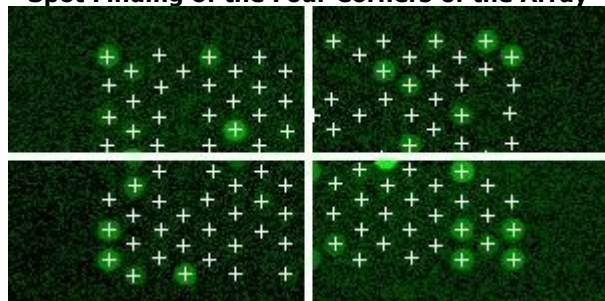


**QC Report - Agilent Technologies : miRNA****QCMetrics InRange (4 of 4)**

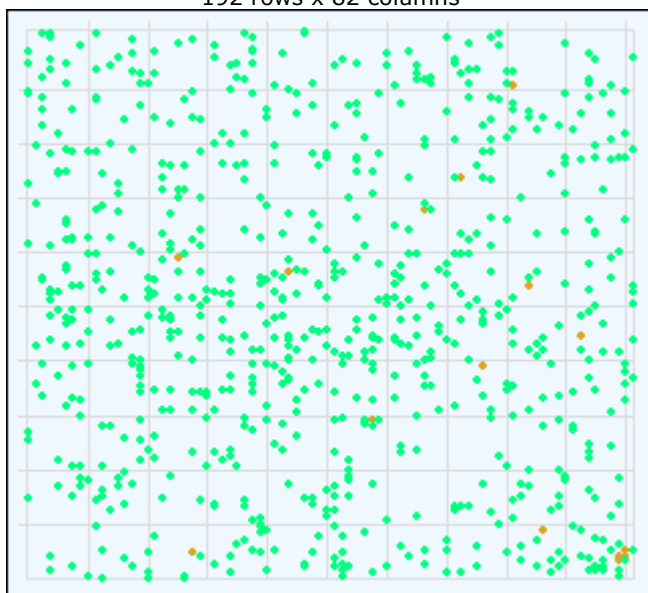
Date	Wednesday, April 16, 2008 - 18:03	Grid	US22502705_251911810666_S01_H_grid (from grid_file)
Image	US22502705_251911810666_S01_H [1_4]	BG Method	No Background
Protocol	miRNA-v1_95_May07 (Read Only)	Background Detrend	On(FeatNCRRange, LoPass)
User Name	pdandrad	Multiplicative Detrend	False
FE Version	9.5.3.1	Additive Error	2
		Saturation Value	1169598

**Spot Finding of the Four Corners of the Array****Grid Normal**

Feature	Local Background
Non Uniform	0
Population	732

**Spatial Distribution of All Outliers on the Array**

192 rows x 82 columns



# FeatureNonUnif = 0(0.00%)

# Feature Population Outliers = 732(5.33%)

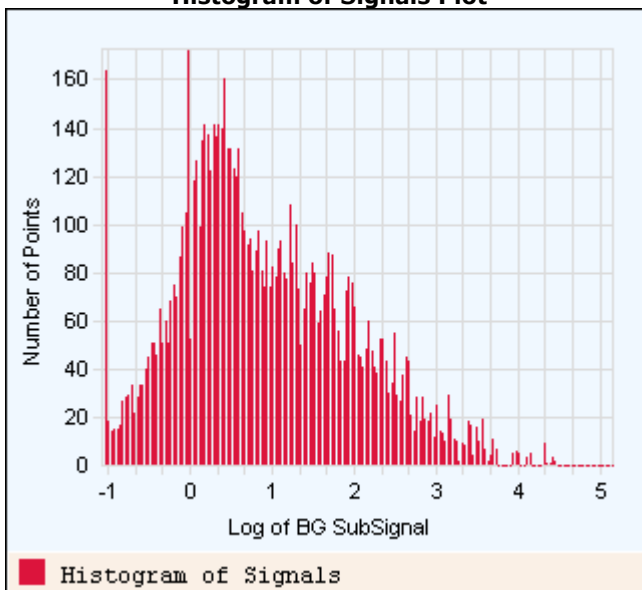
● BG NonUniform      ● BG Population  
 ● Green FeaturePopulation ● Green Feature NonUniform

**Net Signal Statistics****Non-Control probes:**

# Saturated Features	0
99% of Sig. Distrib.	1973
50% of Sig. Distrib.	17
1% of Sig. Distrib.	11

**Negative Control Stats**

Average Net Signals	16.29
StdDev Net Signals	1.99
Average BG Sub Signal	0.58
StdDev BG Sub Signal	1.84

**Histogram of Signals Plot**

# Features (NonCtrl) with BGSubSignal &lt; 0: 4369 (Green)

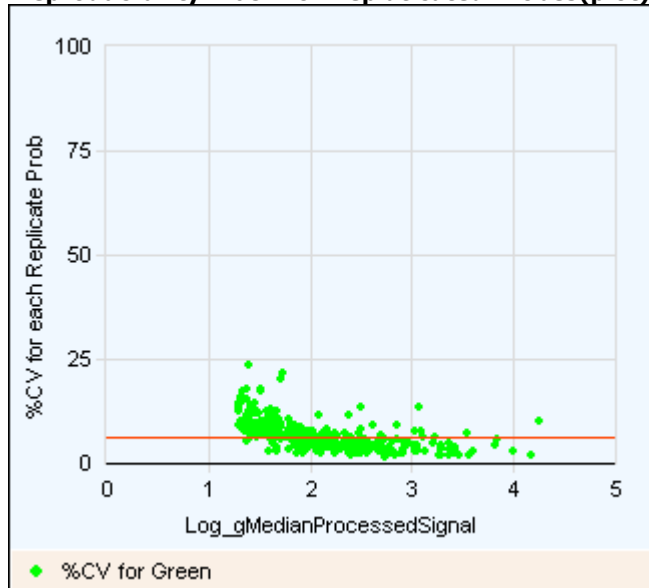
**Foreground Surface Fit**

RMS_Fit	0.82
RMS_Resid	1.96
Avg_Fit	51.73

**Reproducibility: %CV for Replicated Probes**

Median %CV Signal (inliers)  
Non-Control probes

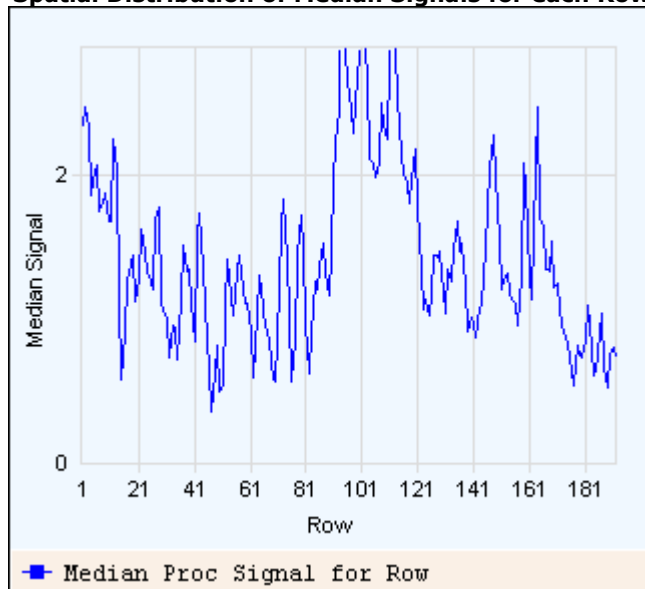
BGSubSignal	6.03
ProcessedSignal	6.03

**Reproducibility: %CV for Replated Probes(plot)****Evaluation Metrics for miRNA\_QCM\_Apr07**

Metric Name      Value UpLim LowLim IsMandatory

AddErrorEstimateGreen	1.96	NA	NA	False
AnyColorPrcntFeatPopnOL	5.33	NA	NA	False
gNonCtrlMedPrcntCVBGSubS...	6.03	NA	NA	False
gTotalSignal75pctile	8.59	NA	NA	False

◆ In Normal Range    ◆ Evaluate

**Spatial Distribution of Median Signals for each Row****Spatial Distribution of Median Signals for each Column**