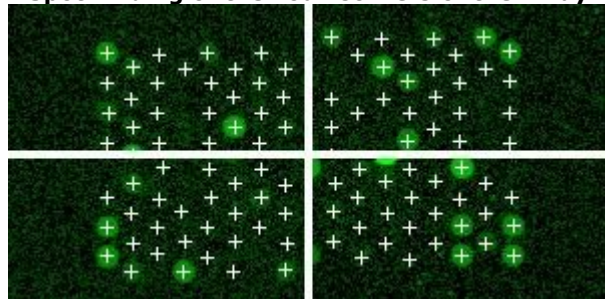


**QC Report - Agilent Technologies : miRNA****QCMetrics InRange (4 of 4)**

Date	Wednesday, April 16, 2008 - 18:04	Grid	US22502705_251911810667_S01_H_grid (from grid_file)
Image	US22502705_251911810667_S01_H [2_3]	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	1156528

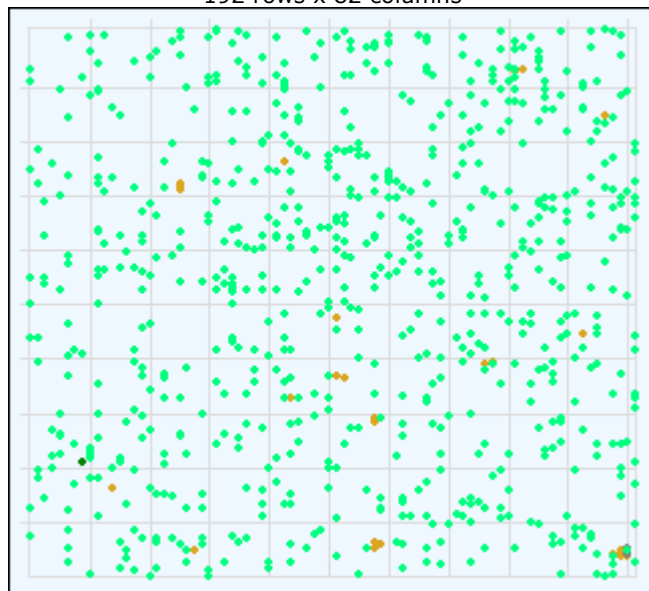
**Spot Finding of the Four Corners of the Array****Evaluate Grid**

Feature	Local Background
Non Uniform	1
Population	718

Non Uniform	1	29
Population	718	2

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

192 rows x 82 columns



# FeatureNonUnif = 1(0.01%)

# Feature Population Outliers = 718(5.23%)

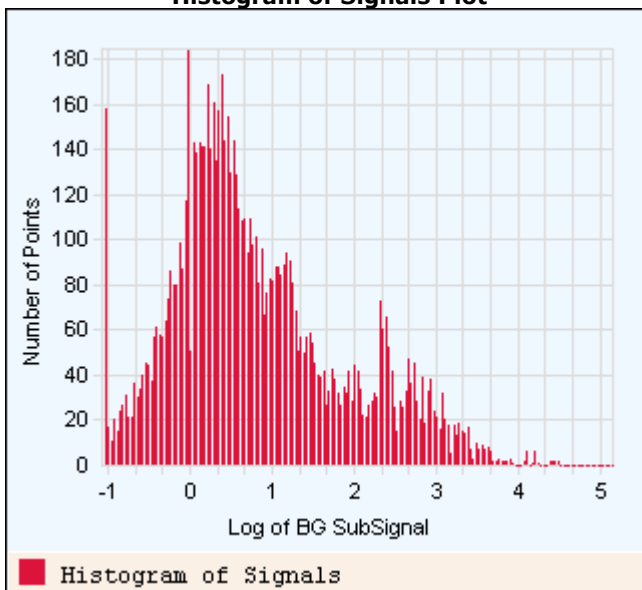
● BG NonUniform      ● BG Population  
 ● Green FeaturePopulation ● Green Feature NonUniform

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

# Saturated Features	0
99% of Sig. Distrib.	1670
50% of Sig. Distrib.	17
1% of Sig. Distrib.	12

**Negative Control Stats**

Average Net Signals	16.59
StdDev Net Signals	2.07
Average BG Sub Signal	0.52
StdDev BG Sub Signal	2.03

**Histogram of Signals Plot**

# Features (NonCtrl) with BGSubSignal &lt; 0: 4605 (Green)

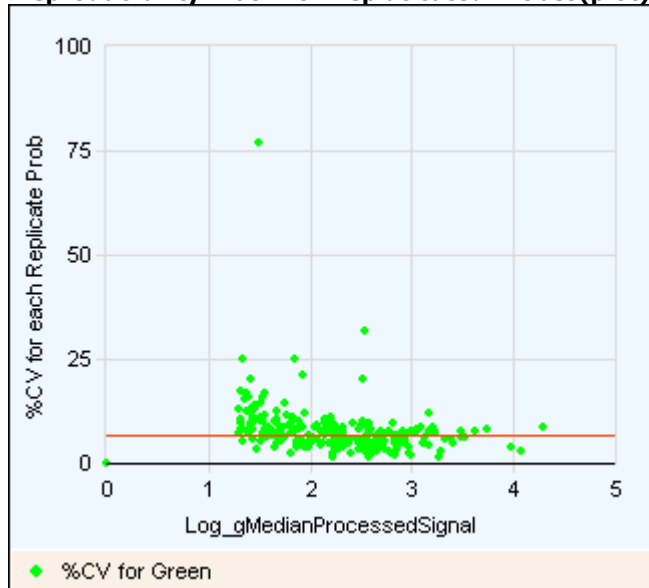
**Foreground Surface Fit**

RMS_Fit	0.71
RMS_Resid	1.99
Avg_Fit	52.08

**Reproducibility: %CV for Replicated Probes**

Median %CV Signal (inliers)  
Non-Control probes

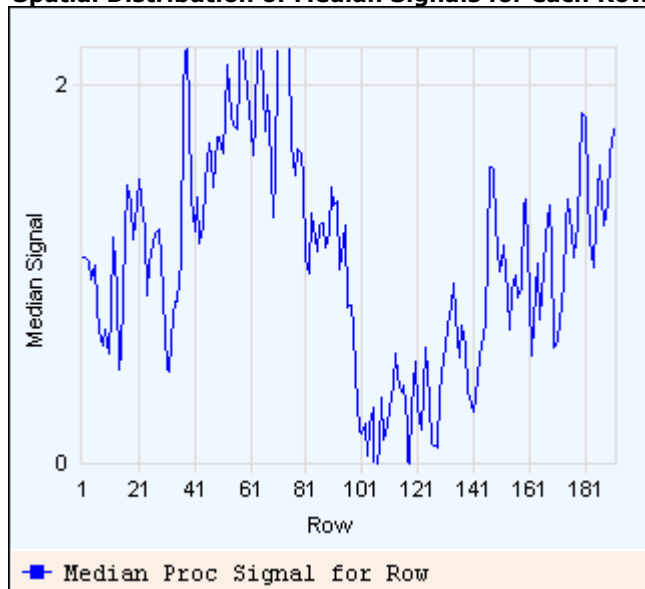
BGSubSignal	6.57
ProcessedSignal	6.57

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

Metric Name                      Value UpLim LowLim IsMandatory

AddErrorEstimateGreen	1.99	NA	NA	False
AnyColorPrcntFeatPopnOL	5.23	NA	NA	False
gNonCtrlMedPrcntCVBGSubS...	6.57	NA	NA	False
gTotalSignal75pctile	5.25	NA	NA	False

◆ In Normal Range    ◆ Evaluate

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