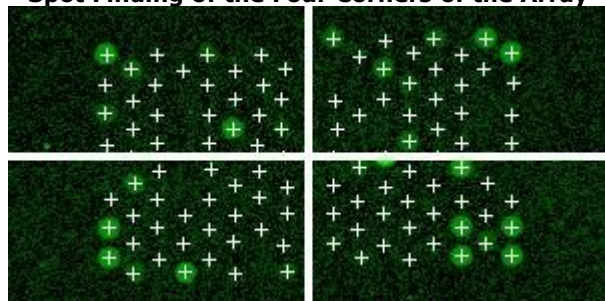


**QC Report - Agilent Technologies : miRNA****QCMetrics InRange (4 of 4)**

Date	Wednesday, April 16, 2008 - 17:52	Grid	US22502705_251911810636_S01_H_grid (from grid_file)
Image	US22502705_251911810636_S01_H [1_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	1150005

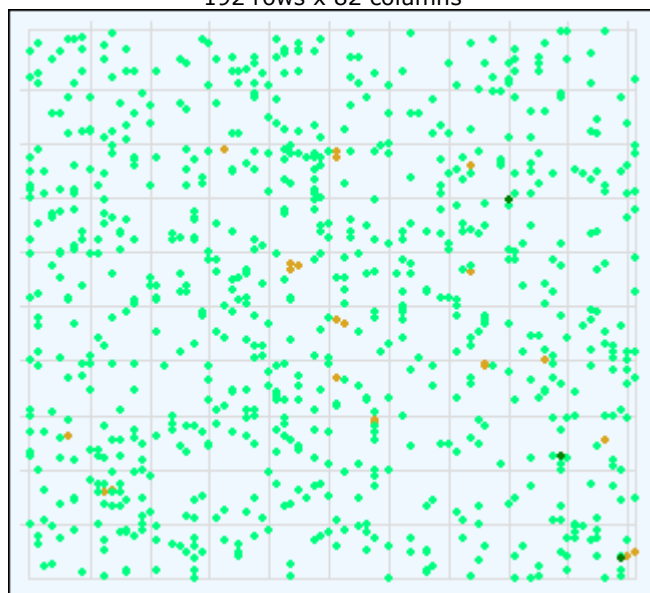
**Spot Finding of the Four Corners of the Array****Evaluate Grid**

Feature	Local Background
Non Uniform	3
Population	755

Non Uniform	3	23
Population	755	0

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

192 rows x 82 columns



# FeatureNonUnif = 3(0.02%)

# Feature Population Outliers = 755(5.50%)

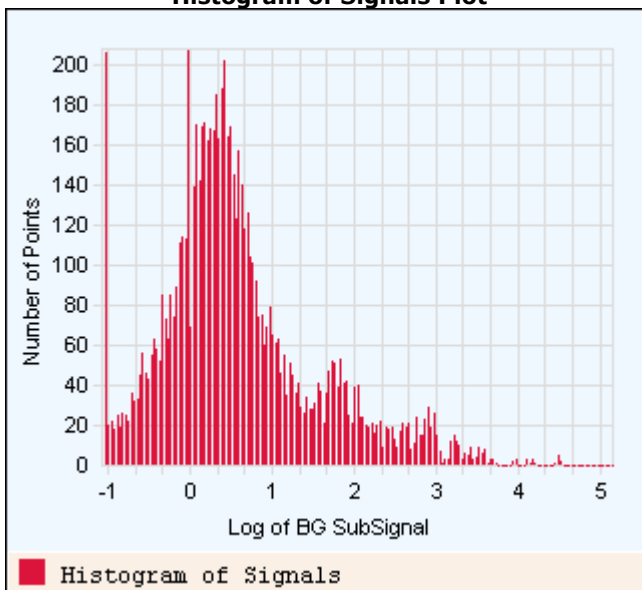
● BG NonUniform      ● BG Population  
 ● Green FeaturePopulation      ● Green Feature NonUniform

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

# Saturated Features	0
99% of Sig. Distrib.	1178
50% of Sig. Distrib.	18
1% of Sig. Distrib.	13

**Negative Control Stats**

Average Net Signals	17.25
StdDev Net Signals	1.87
Average BG Sub Signal	0.39
StdDev BG Sub Signal	1.94

**Histogram of Signals Plot**

# Features (NonCtrl) with BGSubSignal &lt; 0: 5057 (Green)

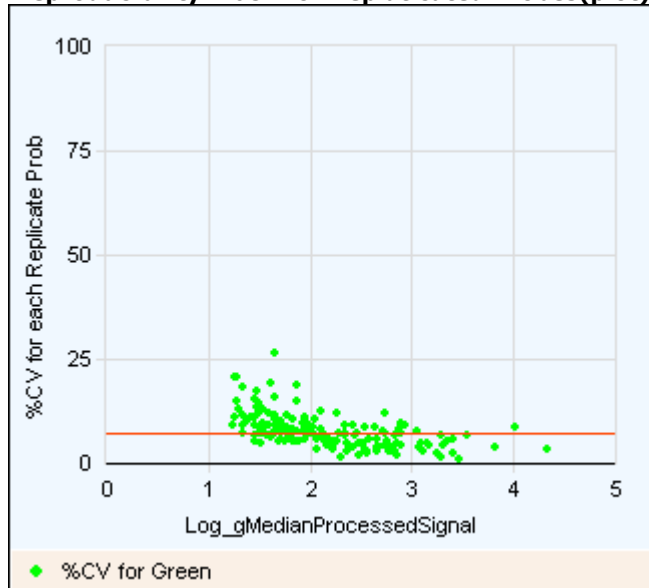
**Foreground Surface Fit**

RMS_Fit	0.66
RMS_Resid	1.73
Avg_Fit	52.89

**Reproducibility: %CV for Replicated Probes**

Median %CV Signal (inliers)  
Non-Control probes

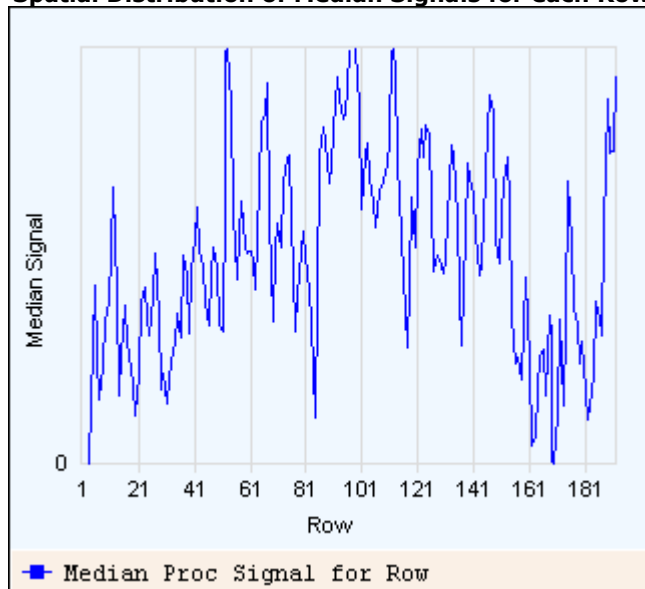
BGSubSignal	7.29
ProcessedSignal	7.29

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

Metric Name      Value UpLim LowLim IsMandatory

AddErrorEstimateGreen	1.73	NA	NA	False
AnyColorPrcntFeatPopnOL	5.50	NA	NA	False
gNonCtrlMedPrcntCVBGSubS...	7.29	NA	NA	False
gTotalSignal75pctile	2.04	NA	NA	False

◆ In Normal Range    ◆ Evaluate

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