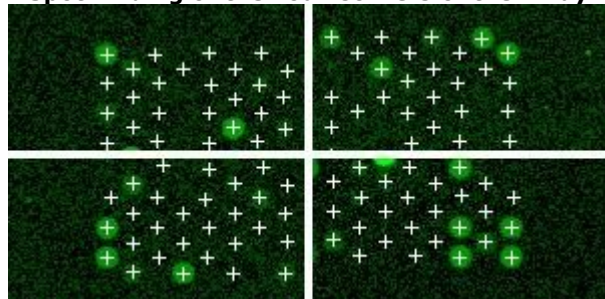


**QC Report - Agilent Technologies : miRNA****QCMetrics InRange (4 of 4)**

Date	Wednesday, April 16, 2008 - 18:10	Grid	US22502705_251911810670_S01_H_grid (from grid_file)
Image	US22502705_251911810670_S01_H [2_1]	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	1163350

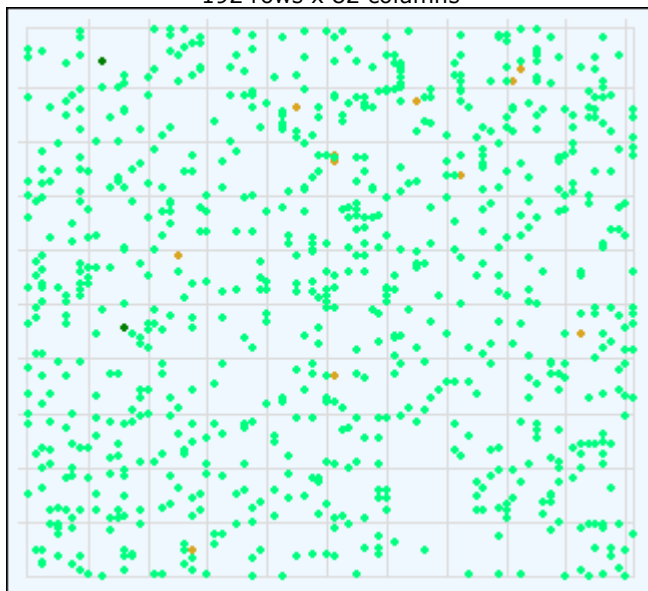
**Spot Finding of the Four Corners of the Array****Evaluate Grid**

Feature	Local Background
Non Uniform	2
Population	783

Non Uniform	2	11
Population	783	0

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

192 rows x 82 columns



# FeatureNonUnif = 2(0.01%)

# Feature Population Outliers = 783(5.70%)

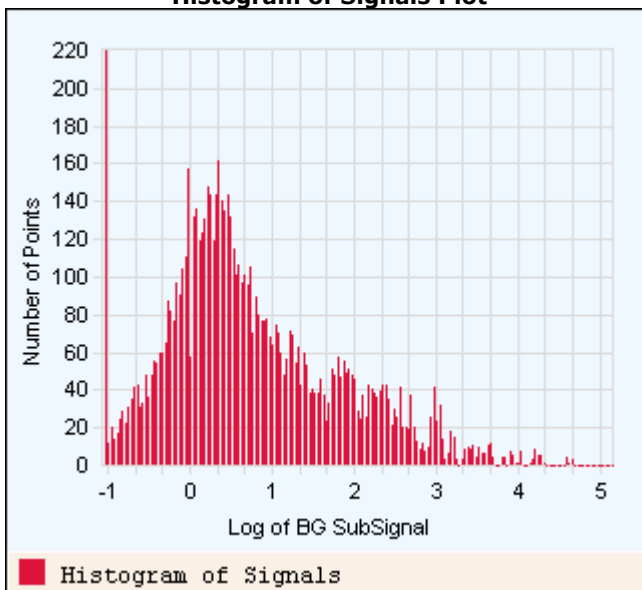
● BG NonUniform      ● BG Population  
 ● Green FeaturePopulation      ● Green Feature NonUniform

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

# Saturated Features	0
99% of Sig. Distrib.	1960
50% of Sig. Distrib.	15
1% of Sig. Distrib.	10

**Negative Control Stats**

Average Net Signals	13.74
StdDev Net Signals	1.82
Average BG Sub Signal	-0.33
StdDev BG Sub Signal	1.79

**Histogram of Signals Plot**

# Features (NonCtrl) with BGSubSignal &lt; 0: 5177 (Green)

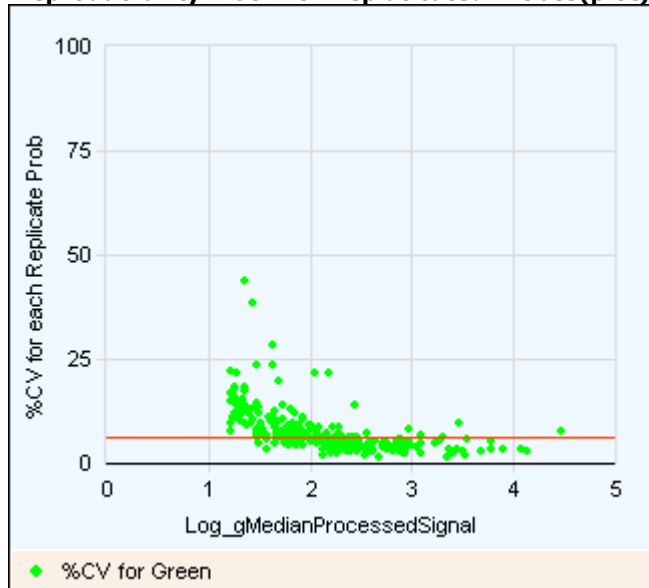
**Foreground Surface Fit**

RMS_Fit	0.75
RMS_Resid	1.64
Avg_Fit	50.14

**Reproducibility: %CV for Replicated Probes**

Median %CV Signal (inliers)  
Non-Control probes

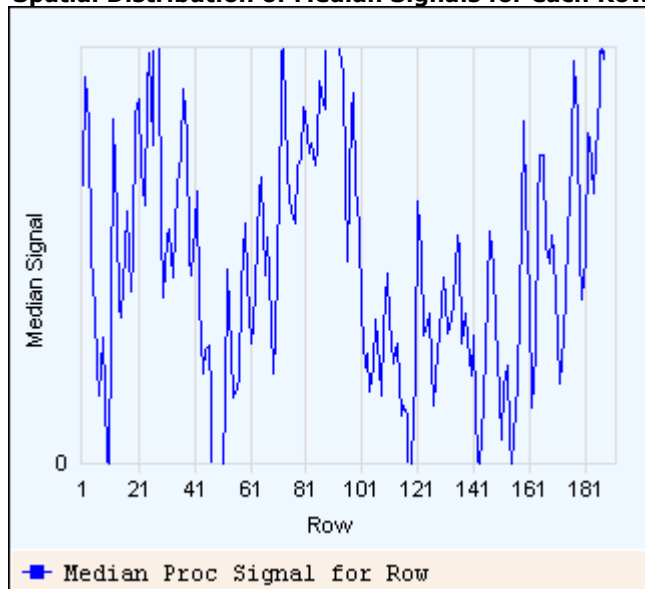
BGSubSignal	6.25
ProcessedSignal	6.25

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

Metric Name      Value UpLim LowLim IsMandatory

AddErrorEstimateGreen	1.64	NA	NA	False
AnyColorPrctFeatPopnOL	5.70	NA	NA	False
gNonCtrlMedPrctCVBGSubS...	6.25	NA	NA	False
gTotalSignal75pctile	3.17	NA	NA	False

◆ In Normal Range    ◆ Evaluate

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