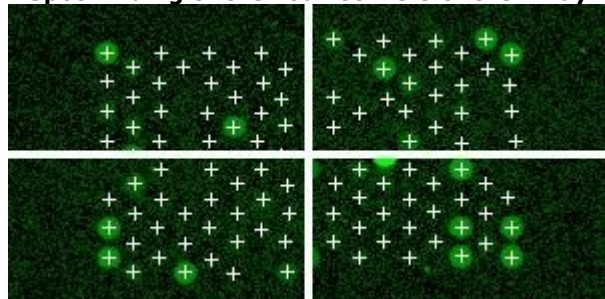


**QC Report - Agilent Technologies : miRNA****QCMetrics InRange (4 of 4)**

Date	Monday, June 23, 2008 - 15:29	Grid	US22502705_251911811008_S01_H_grid (from grid_file)
Image	US22502705_251911811008_S01_H [2_2]	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	1155389

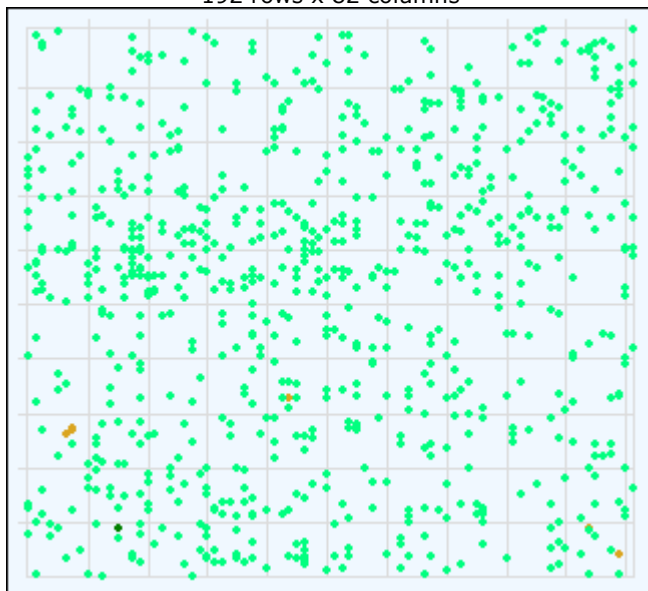
**Spot Finding of the Four Corners of the Array****Evaluate Grid**

Feature	Local Background
Non Uniform	1
Population	765

Non Uniform	1	6
Population	765	0

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

192 rows x 82 columns



# FeatureNonUnif = 1(0.01%)

# Feature Population Outliers = 765(5.57%)

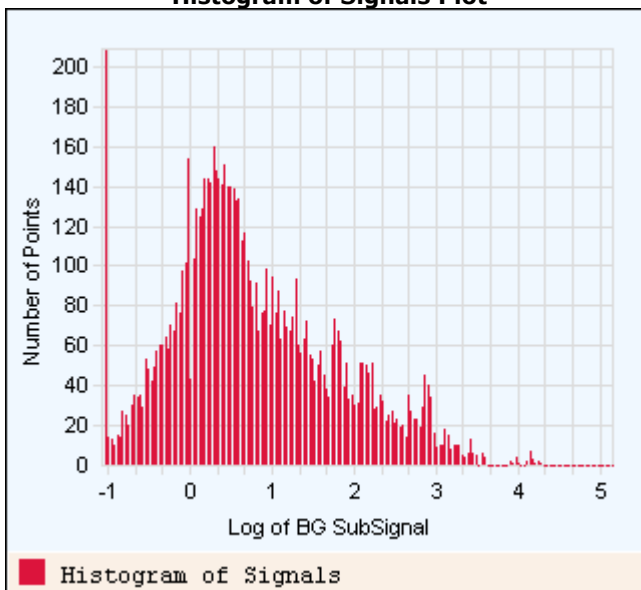
● BG NonUniform      ● BG Population  
 ● Green FeaturePopulation ● Green Feature NonUniform

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

# Saturated Features	0
99% of Sig. Distrib.	1047
50% of Sig. Distrib.	19
1% of Sig. Distrib.	14

**Negative Control Stats**

Average Net Signals	17.79
StdDev Net Signals	2.02
Average BG Sub Signal	-0.40
StdDev BG Sub Signal	1.87

**Histogram of Signals Plot**

# Features (NonCtrl) with BGSubSignal &lt; 0: 4952 (Green)

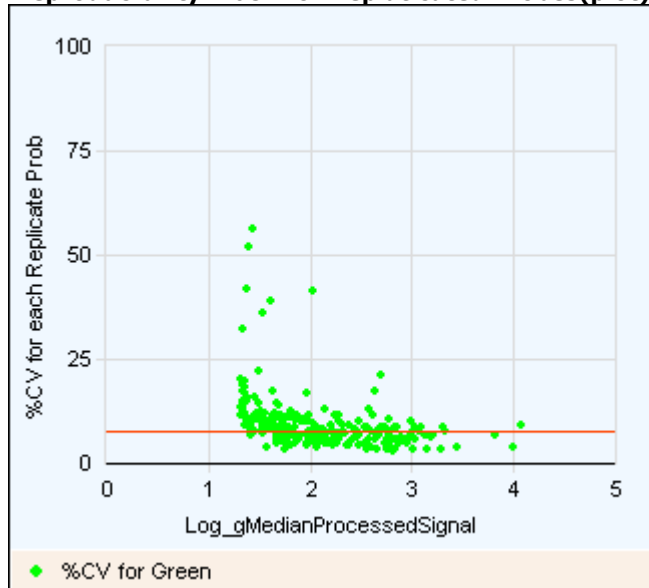
**Foreground Surface Fit**

RMS_Fit	0.59
RMS_Resid	2.04
Avg_Fit	54.07

**Reproducibility: %CV for Replicated Probes**

Median %CV Signal (inliers)  
Non-Control probes

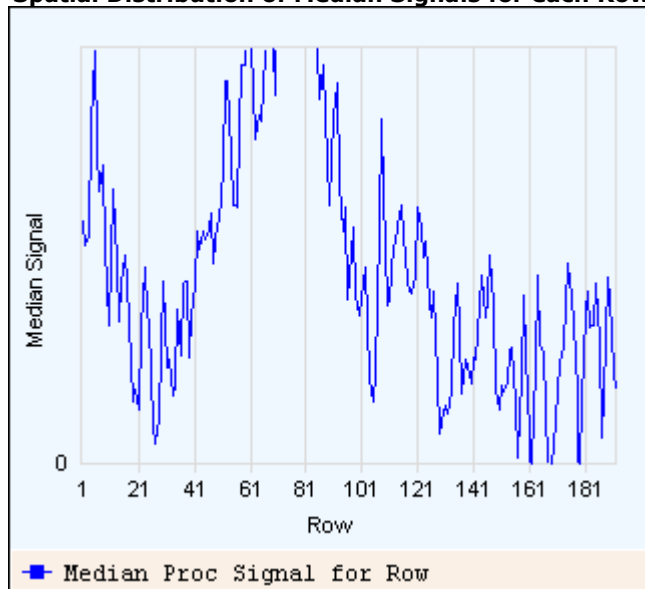
BGSubSignal	7.84
ProcessedSignal	7.84

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

Metric Name Value UpLim LowLim IsMandatory

AddErrorEstimateGreen	2.04	NA	NA	False
AnyColorPrcntFeatPopnOL	5.57	NA	NA	False
gNonCtrlMedPrcntCVBGSubS...	7.84	NA	NA	False
gTotalSignal75pctile	3.30	NA	NA	False

◆ In Normal Range ◆ Evaluate

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