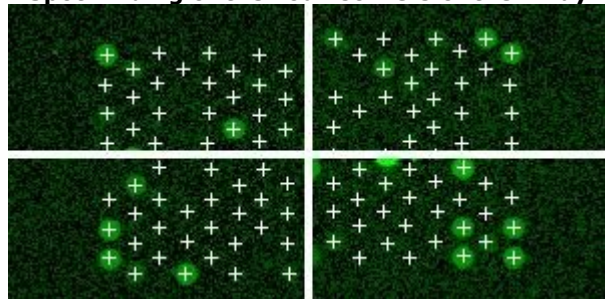


**QC Report - Agilent Technologies : miRNA****QCMetrics InRange (4 of 4)**

Date	Wednesday, April 16, 2008 - 18:01	Grid	US22502705_251911810642_S01_H_grid (from grid_file)
Image	US22502705_251911810642_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	1155102

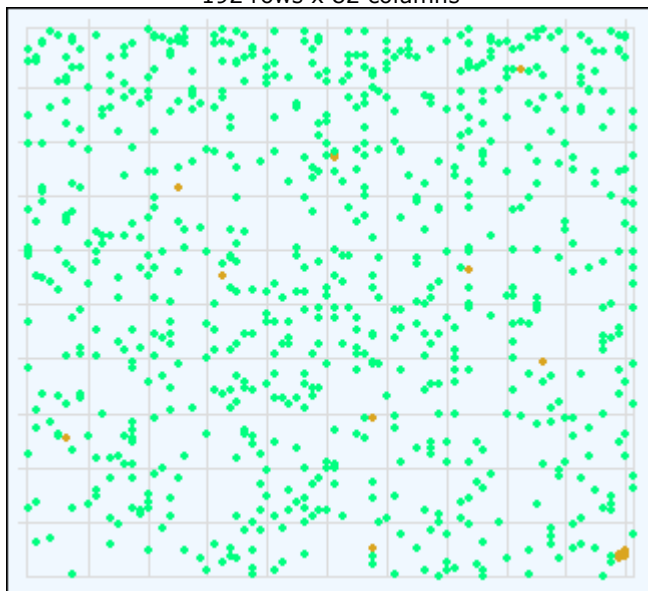
**Spot Finding of the Four Corners of the Array****Evaluate Grid**

Feature	Local Background
Non Uniform	0
Population	742

Non Uniform	0	16
Population	742	0

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

192 rows x 82 columns



# FeatureNonUnif = 0(0.00%)

# Feature Population Outliers = 742(5.40%)

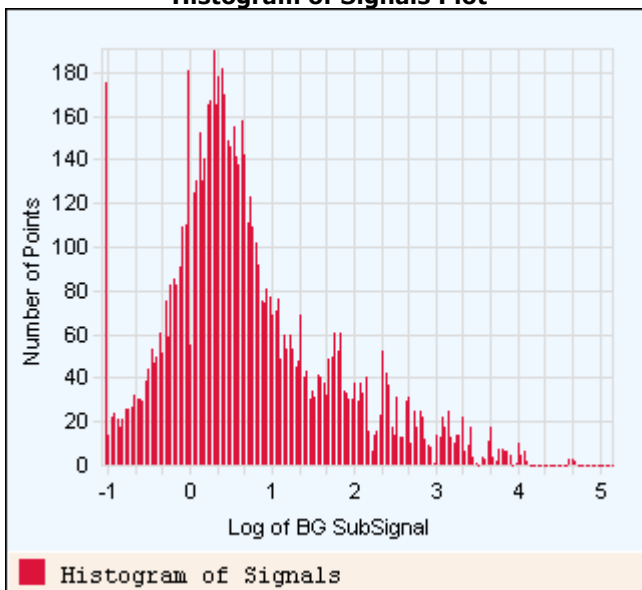
● BG NonUniform      ● BG Population  
 ● Green FeaturePopulation      ● Green Feature NonUniform

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

# Saturated Features	0
99% of Sig. Distrib.	1870
50% of Sig. Distrib.	19
1% of Sig. Distrib.	13

**Negative Control Stats**

Average Net Signals	18.36
StdDev Net Signals	2.16
Average BG Sub Signal	0.41
StdDev BG Sub Signal	2.16

**Histogram of Signals Plot**

# Features (NonCtrl) with BGSubSignal &lt; 0: 4899 (Green)

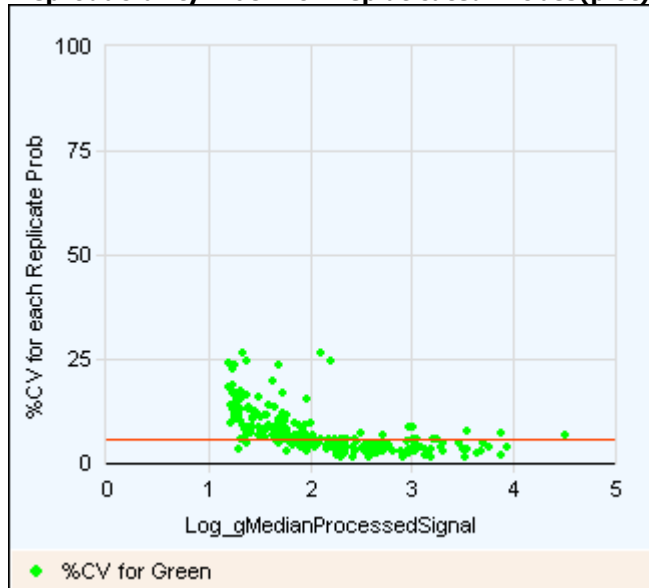
**Foreground Surface Fit**

RMS_Fit	0.75
RMS_Resid	1.61
Avg_Fit	54.09

**Reproducibility: %CV for Replicated Probes**

Median %CV Signal (inliers)  
Non-Control probes

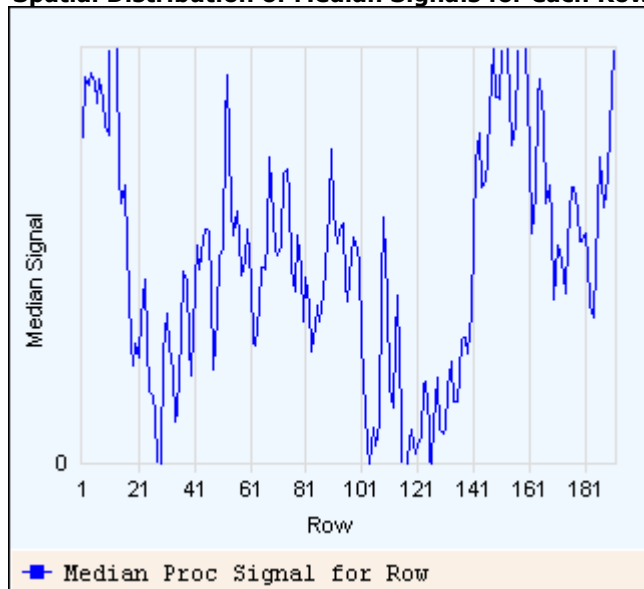
BGSubSignal	5.86
ProcessedSignal	5.86

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

Metric Name      Value UpLim LowLim IsMandatory

AddErrorEstimateGreen	1.61	NA	NA	False
AnyColorPrcntFeatPopnOL	5.40	NA	NA	False
gNonCtrlMedPrcntCVBGSubS...	5.86	NA	NA	False
gTotalSignal75pctile	2.70	NA	NA	False

◆ In Normal Range    ◆ Evaluate

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