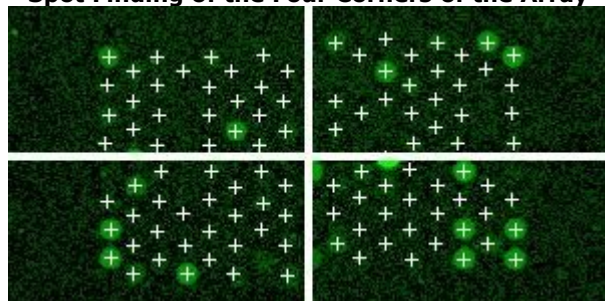


**QC Report - Agilent Technologies : miRNA****QCMetrics InRange (4 of 4)**

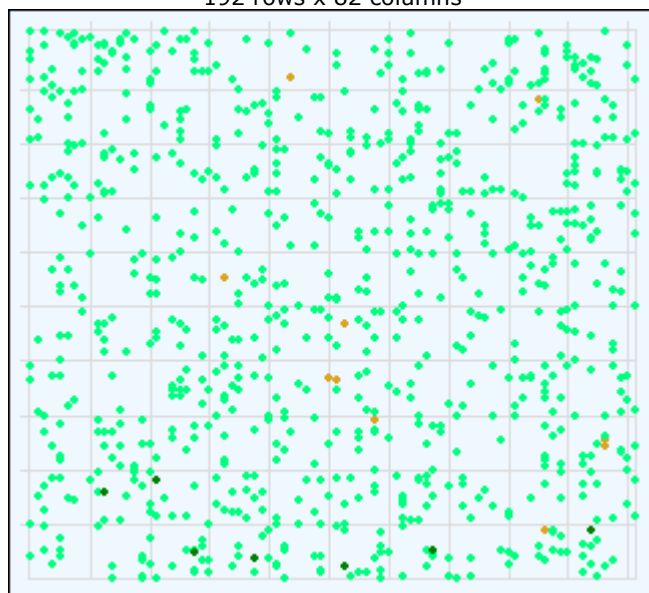
Date	Wednesday, April 16, 2008 - 17:58	Grid	US22502705_251911810641_S01_H_grid (from grid_file)
Image	US22502705_251911810641_S01_H [1_2]	BG Method	No Background
Protocol	miRNA-v1_95_May07 (Read Only)	Background Detrend	On(FeatNCRRange, LoPass)
User Name	pdandrad	Multiplicative Detrend	False
FE Version	9.5.3.1	Additive Error	2
		Saturation Value	1133911

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

Feature	Local Background
Non Uniform	7
Population	809

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

192 rows x 82 columns



# FeatureNonUnif = 7(0.05%)

# Feature Population Outliers = 809(5.89%)

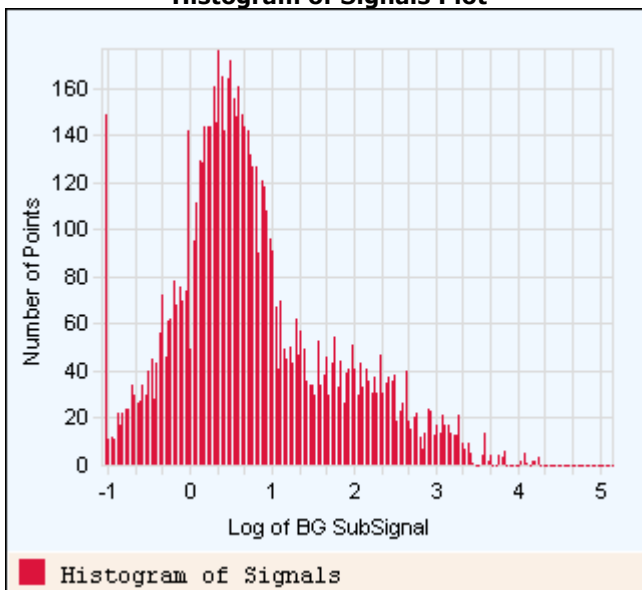
● BG NonUniform      ● BG Population  
 ● Green FeaturePopulation      ● Green Feature NonUniform

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

# Saturated Features	0
99% of Sig. Distrib.	1266
50% of Sig. Distrib.	21
1% of Sig. Distrib.	15

**Negative Control Stats**

Average Net Signals	22.84
StdDev Net Signals	2.36
Average BG Sub Signal	2.62
StdDev BG Sub Signal	2.36

**Histogram of Signals Plot**

# Features (NonCtrl) with BGSubSignal &lt; 0: 5070 (Green)

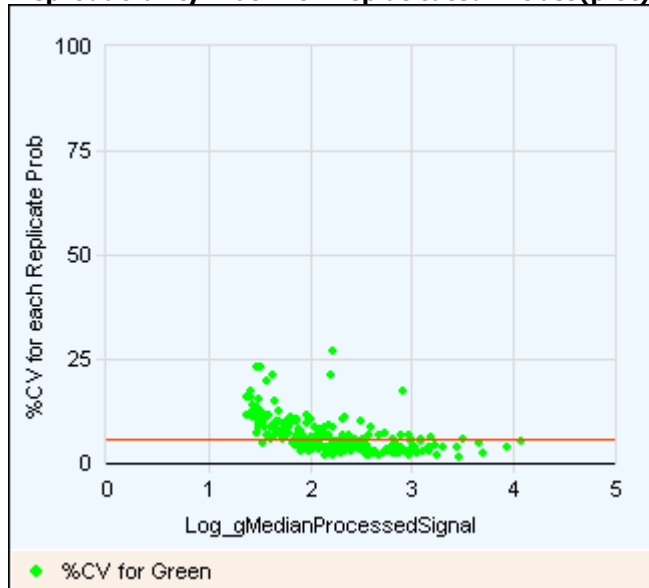
**Foreground Surface Fit**

RMS_Fit	0.72
RMS_Resid	2.39
Avg_Fit	56.22

**Reproducibility: %CV for Replicated Probes**

Median %CV Signal (inliers)  
Non-Control probes

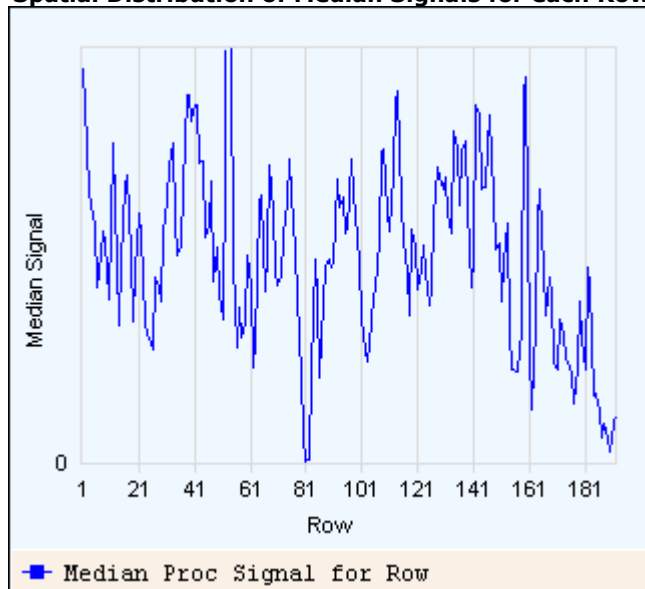
BGSubSignal	5.64
ProcessedSignal	5.64

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

Metric Name      Value UpLim LowLim IsMandatory

AddErrorEstimateGreen	2.39	NA	NA	False
AnyColorPrcntFeatPopnOL	5.89	NA	NA	False
gNonCtrlMedPrcntCVBGSubS...	5.64	NA	NA	False
gTotalSignal75pctile	5.68	NA	NA	False

◆ In Normal Range    ◆ Evaluate

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