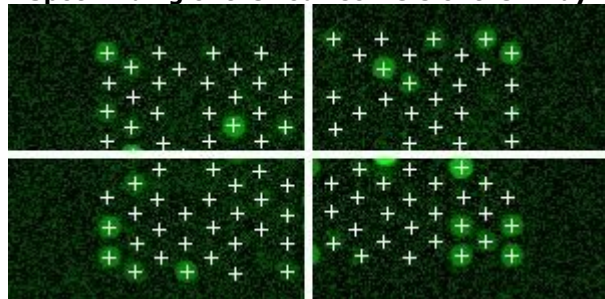


**QC Report - Agilent Technologies : miRNA****QCMetrics InRange (4 of 4)**

Date	Wednesday, April 16, 2008 - 18:10	Grid	US22502705_251911810671_S01_H_grid (from grid_file)
Image	US22502705_251911810671_S01_H [1_4]	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	1172851

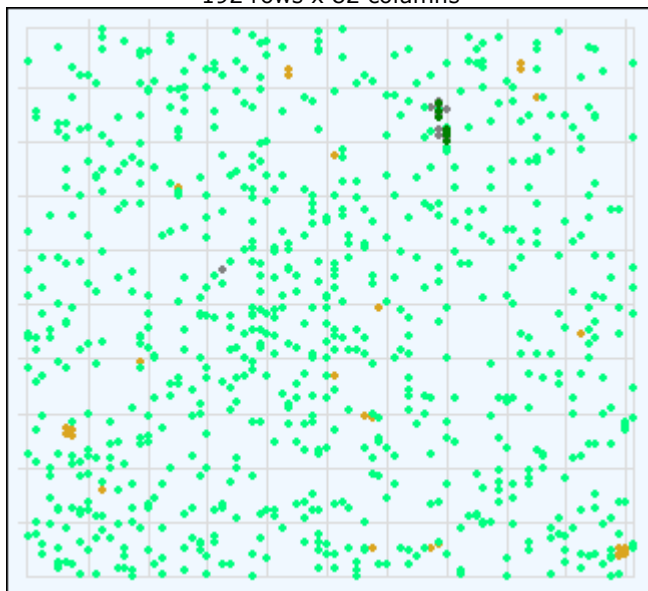
**Spot Finding of the Four Corners of the Array****Evaluate Grid**

Feature	Local Background
Non Uniform	41
Population	12

Non Uniform	7	41
Population	740	12

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

192 rows x 82 columns



# FeatureNonUnif = 7(0.05%)

# Feature Population Outliers = 740(5.39%)

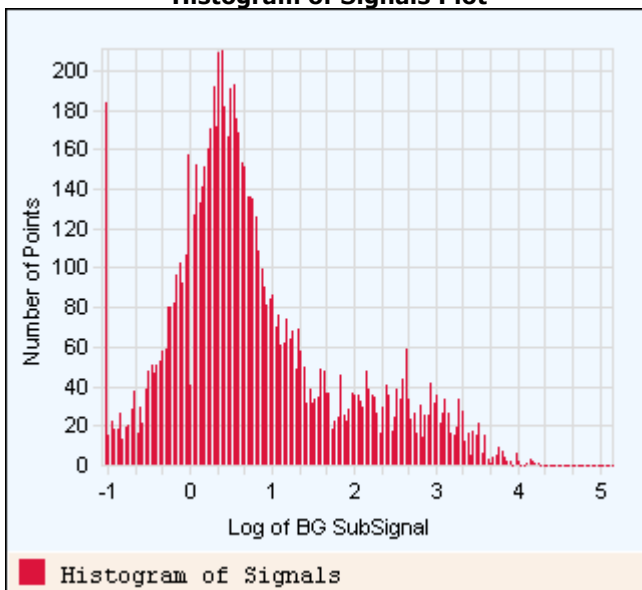
● BG NonUniform      ● BG Population  
 ● Green FeaturePopulation ● Green Feature NonUniform

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

# Saturated Features	0
99% of Sig. Distrib.	2121
50% of Sig. Distrib.	18
1% of Sig. Distrib.	12

**Negative Control Stats**

Average Net Signals	17.92
StdDev Net Signals	2.27
Average BG Sub Signal	1.17
StdDev BG Sub Signal	2.12

**Histogram of Signals Plot**

# Features (NonCtrl) with BGSubSignal &lt; 0: 4202 (Green)

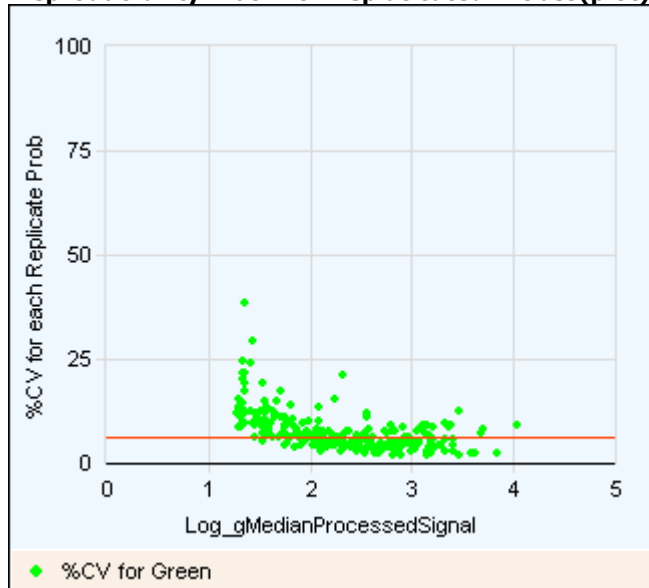
**Foreground Surface Fit**

RMS_Fit	1.33
RMS_Resid	1.91
Avg_Fit	52.97

**Reproducibility: %CV for Replicated Probes**

Median %CV Signal (inliers)  
Non-Control probes

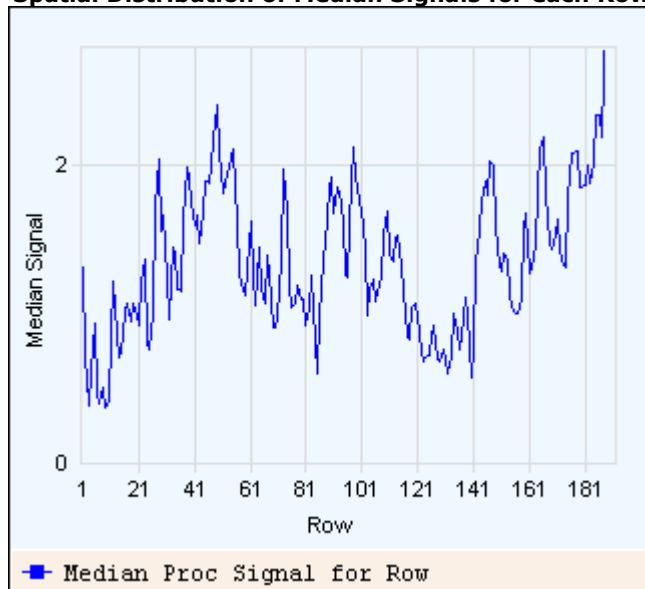
BGSubSignal	6.17
ProcessedSignal	6.17

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

Metric Name      Value UpLim LowLim IsMandatory

AddErrorEstimateGreen	1.91	NA	NA	False
AnyColorPrcntFeatPopnOL	5.39	NA	NA	False
gNonCtrlMedPrcntCVBGSubS...	6.17	NA	NA	False
gTotalSignal75pctile	5.43	NA	NA	False

◆ In Normal Range    ◆ Evaluate

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