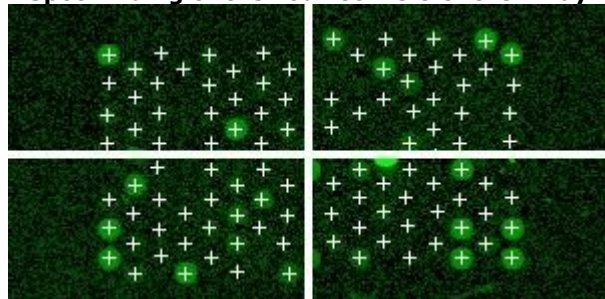


**QC Report - Agilent Technologies : miRNA****QCMetrics InRange (4 of 4)**

Date	Monday, June 23, 2008 - 15:33	Grid	US22502705_251911811013_S01_H_grid (from grid_file)
Image	US22502705_251911811013_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	1154836

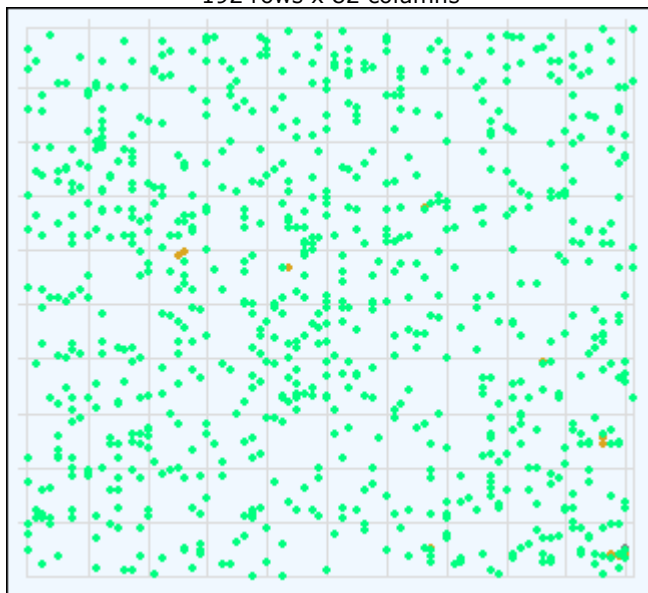
**Spot Finding of the Four Corners of the Array****Evaluate Grid**

Feature	Local Background
Non Uniform	0
Population	802

Non Uniform	0	11
Population	802	1

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

192 rows x 82 columns



# FeatureNonUnif = 0(0.00%)

# Feature Population Outliers = 802(5.84%)

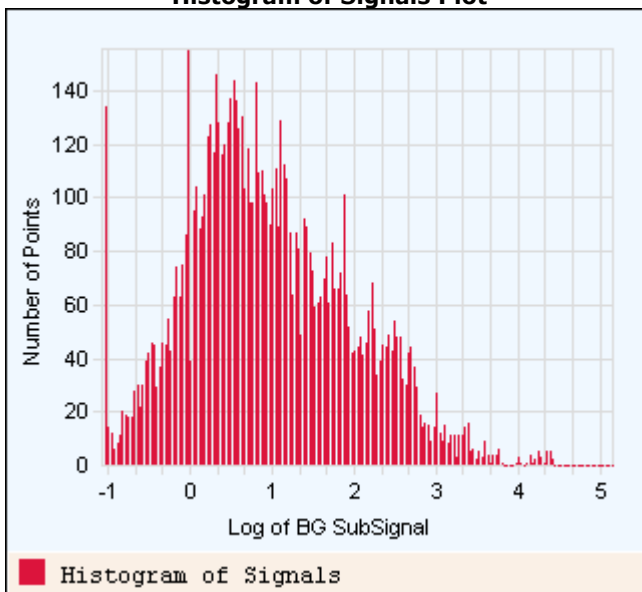
● BG NonUniform      ● BG Population  
 ● Green FeaturePopulation ● Green Feature NonUniform

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

# Saturated Features	0
99% of Sig. Distrib.	1498
50% of Sig. Distrib.	22
1% of Sig. Distrib.	15

**Negative Control Stats**

Average Net Signals	19.06
StdDev Net Signals	2.15
Average BG Sub Signal	-0.86
StdDev BG Sub Signal	2.11

**Histogram of Signals Plot**

# Features (NonCtrl) with BGSubSignal &lt; 0: 4579 (Green)

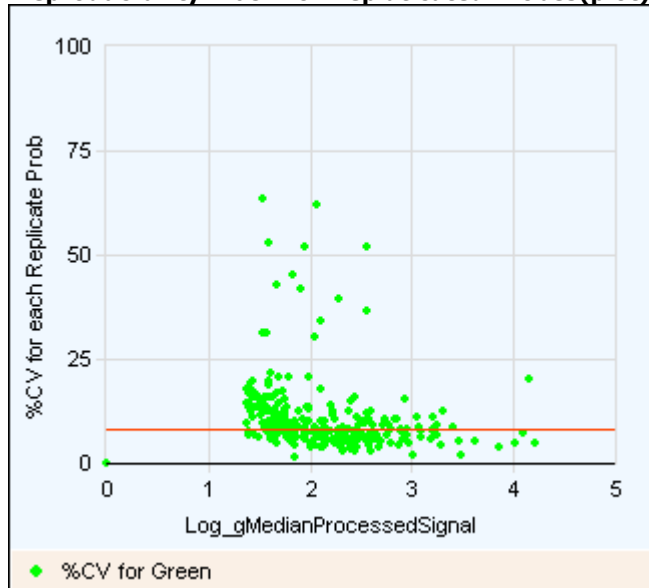
**Foreground Surface Fit**

RMS_Fit	0.94
RMS_Resid	2.36
Avg_Fit	55.91

**Reproducibility: %CV for Replicated Probes**

Median %CV Signal (inliers)  
Non-Control probes

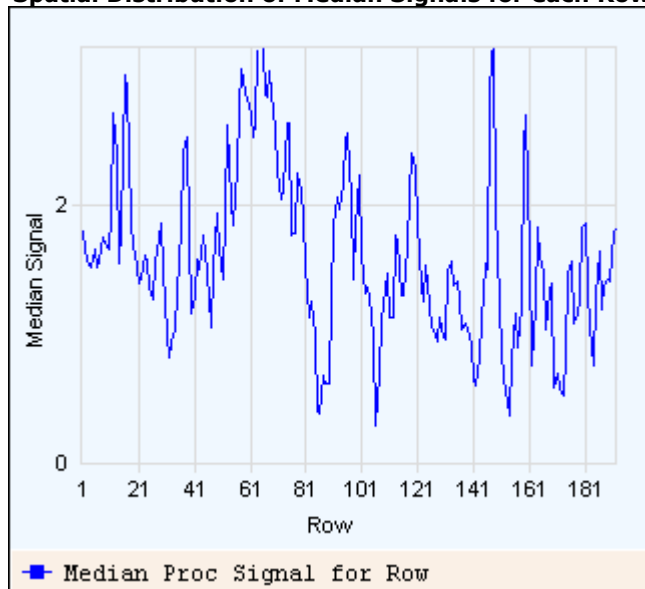
BGSubSignal	8.18
ProcessedSignal	8.18

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

Metric Name Value UpLim LowLim IsMandatory

AddErrorEstimateGreen	2.36	NA	NA	False
AnyColorPrcntFeatPopnOL	5.84	NA	NA	False
gNonCtrlMedPrcntCVBGSubS...	8.18	NA	NA	False
gTotalSignal75pctile	8.50	NA	NA	False

◆ In Normal Range ◆ Evaluate

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