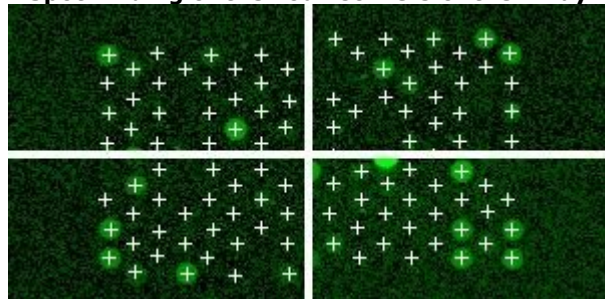


**QC Report - Agilent Technologies : miRNA****QCMetrics InRange (4 of 4)**

Date	Wednesday, April 16, 2008 - 17:58	Grid	US22502705_251911810640_S01_H_grid (from grid_file)
Image	US22502705_251911810640_S01_H [2_1]	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	1162130

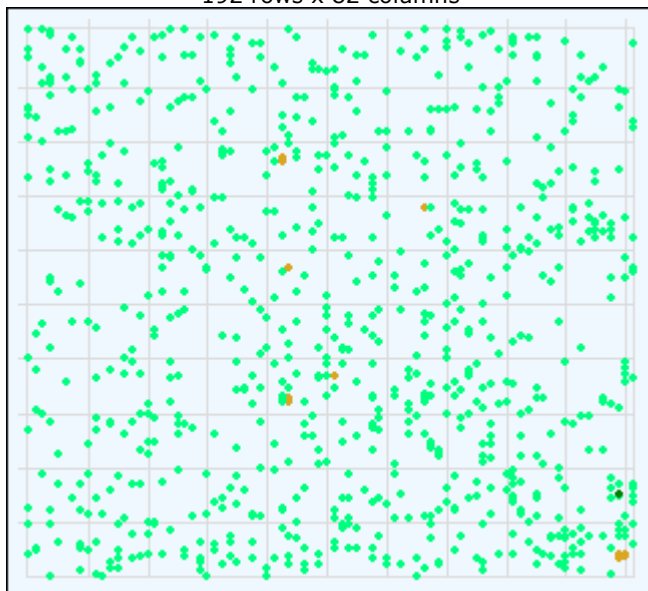
**Spot Finding of the Four Corners of the Array****Evaluate Grid**

Feature	Local Background
---------	------------------

Non Uniform	1	12
Population	813	0

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

192 rows x 82 columns



# FeatureNonUnif = 1(0.01%)

# Feature Population Outliers = 813(5.92%)

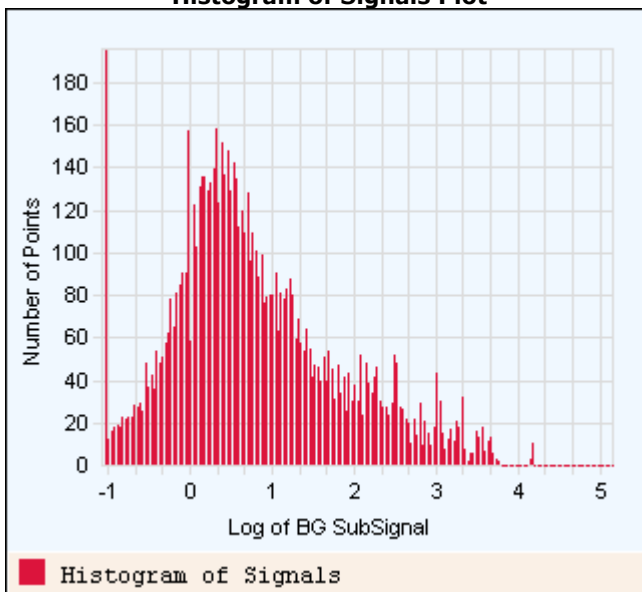
● BG NonUniform      ● BG Population  
 ● Green FeaturePopulation ● Green Feature NonUniform

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

# Saturated Features	0
99% of Sig. Distrib.	1652
50% of Sig. Distrib.	17
1% of Sig. Distrib.	11

**Negative Control Stats**

Average Net Signals	15.94
StdDev Net Signals	2.40
Average BG Sub Signal	-0.02
StdDev BG Sub Signal	2.28

**Histogram of Signals Plot**

# Features (NonCtrl) with BGSubSignal &lt; 0: 5037 (Green)

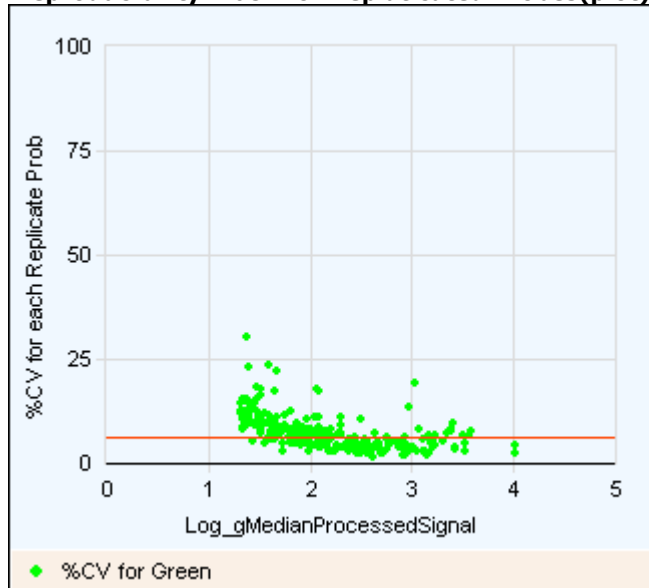
**Foreground Surface Fit**

RMS_Fit	0.90
RMS_Resid	2.06
Avg_Fit	52.13

**Reproducibility: %CV for Replicated Probes**

Median %CV Signal (inliers)  
Non-Control probes

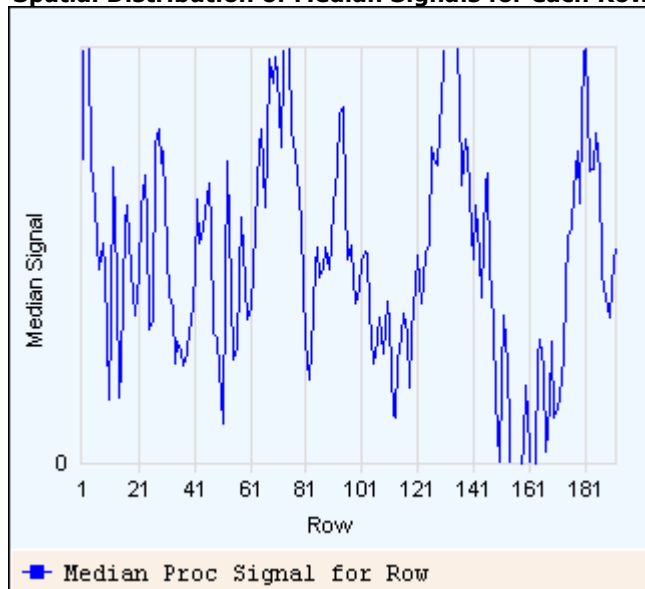
BGSubSignal	6.33
ProcessedSignal	6.33

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

Metric Name      Value UpLim LowLim IsMandatory

AddErrorEstimateGreen	2.06	NA	NA	False
AnyColorPrctFeatPopnOL	5.92	NA	NA	False
gNonCtrlMedPrctCVBGSubS...	6.33	NA	NA	False
gTotalSignal75pctile	3.91	NA	NA	False

◆ In Normal Range    ◆ Evaluate

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