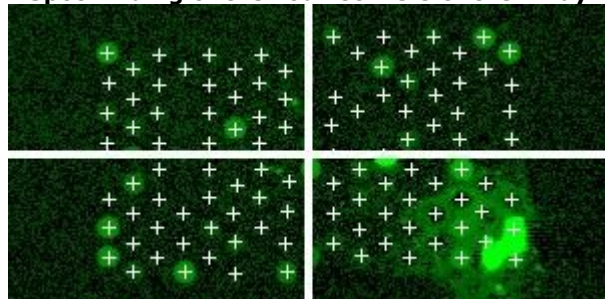


**QC Report - Agilent Technologies : miRNA****QCMetrics InRange (4 of 4)**

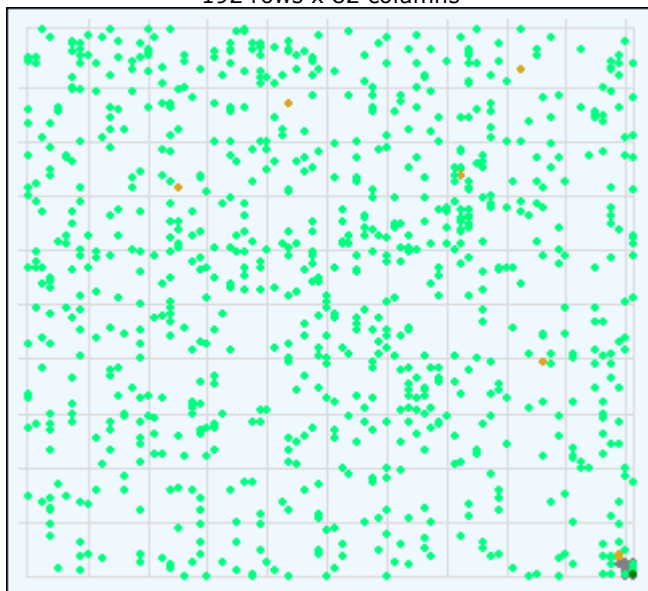
Date	Monday, June 23, 2008 - 15:33	Grid	US22502705_251911811012_S01_H_grid (from grid_file)
Image	US22502705_251911811012_S01_H [2_1]	BG Method	No Background
Protocol	miRNA-v1_95_May07 (Read Only)	Background Detrend	On(FeatNCRRange, LoPass)
User Name	pdandrad	Multiplicative Detrend	False
FE Version	9.5.3.1	Additive Error	2
		Saturation Value	1149366

**Spot Finding of the Four Corners of the Array****Grid Normal****Feature****Local  
Background**

Non Uniform	1	18
Population	827	15

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

192 rows x 82 columns



# FeatureNonUnif = 1(0.01%)

# Feature Population Outliers = 827(6.02%)

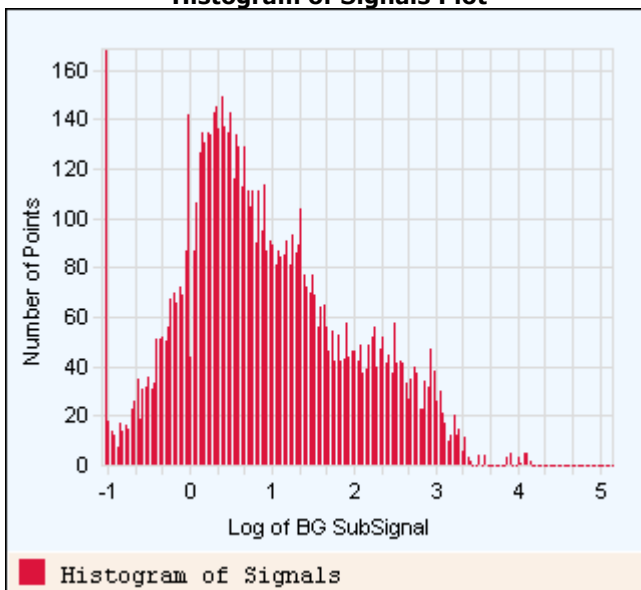
● BG NonUniform    ● BG Population  
● Green FeaturePopulation ● Green Feature NonUniform

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

# Saturated Features	0
99% of Sig. Distrib.	1024
50% of Sig. Distrib.	19
1% of Sig. Distrib.	13

**Negative Control Stats**

Average Net Signals	17.14
StdDev Net Signals	2.02
Average BG Sub Signal	-0.56
StdDev BG Sub Signal	1.92

**Histogram of Signals Plot**

# Features (NonCtrl) with BGSubSignal &lt; 0: 4577 (Green)

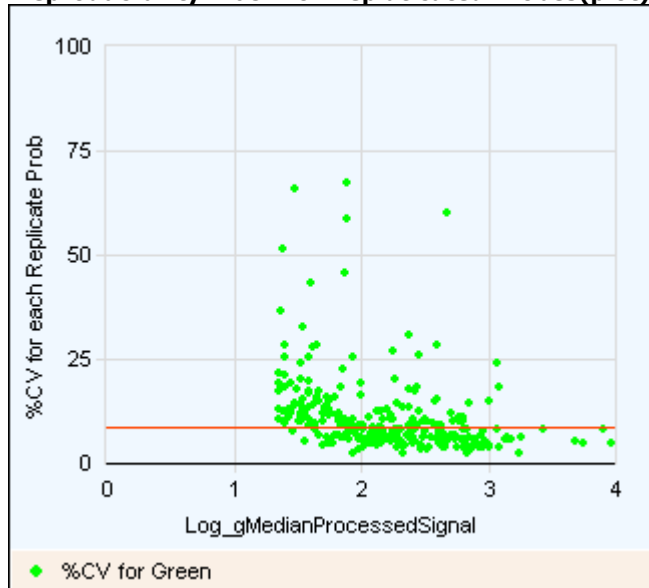
**Foreground Surface Fit**

RMS_Fit	0.86
RMS_Resid	2.19
Avg_Fit	54.14

**Reproducibility: %CV for Replicated Probes**

Median %CV Signal (inliers)  
Non-Control probes

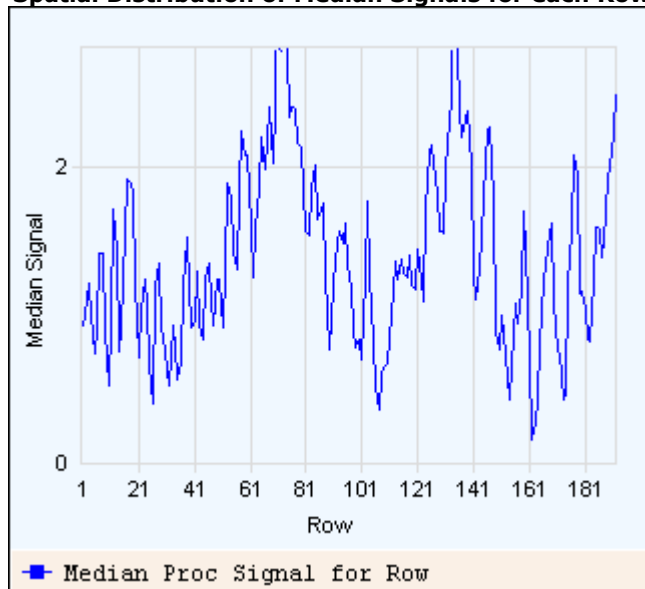
BGSubSignal	8.88
ProcessedSignal	8.88

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

Metric Name      Value UpLim LowLim IsMandatory

AddErrorEstimateGreen	2.19	NA	NA	False
AnyColorPrcntFeatPopnOL	6.02	NA	NA	False
gNonCtrlMedPrcntCVBGSubS...	8.88	NA	NA	False
gTotalSignal75pctile	7.38	NA	NA	False

◆ In Normal Range    ◆ Evaluate

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