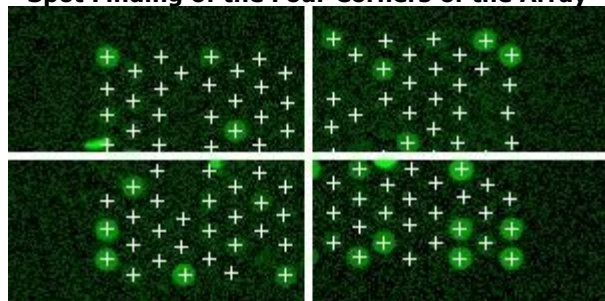


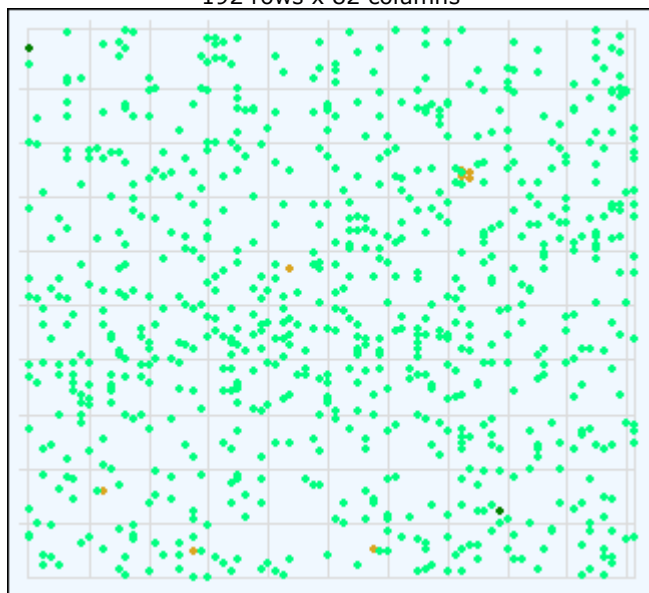
**QC Report - Agilent Technologies : miRNA****QCMetrics InRange (4 of 4)**

Date	Monday, June 23, 2008 - 13:48	Grid	019118_D_I_20080214
Image	US22502705_251911811006_S01_H [2_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	1158044

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

<b>Feature</b>	<b>Local Background</b>
----------------	-------------------------

Non Uniform	2	9
Population	769	0

**Spatial Distribution of All Outliers on the Array**  
 192 rows x 82 columns


# FeatureNonUnif = 2(0.01%)

# Feature Population Outliers = 769(5.60%)

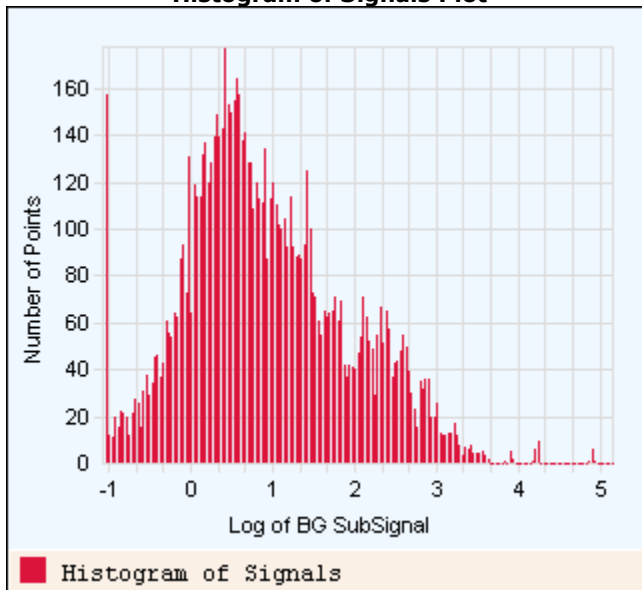
● BG NonUniform      ● BG Population  
 ● Green FeaturePopulation      ● Green Feature NonUniform

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

# Saturated Features	0
99% of Sig. Distrib.	1144
50% of Sig. Distrib.	21
1% of Sig. Distrib.	15

**Negative Control Stats**

Average Net Signals	19.06
StdDev Net Signals	2.10
Average BG Sub Signal	-0.23
StdDev BG Sub Signal	1.92

**Histogram of Signals Plot**

# Features (NonCtrl) with BGSubSignal &lt; 0: 3883 (Green)

**Foreground Surface Fit**

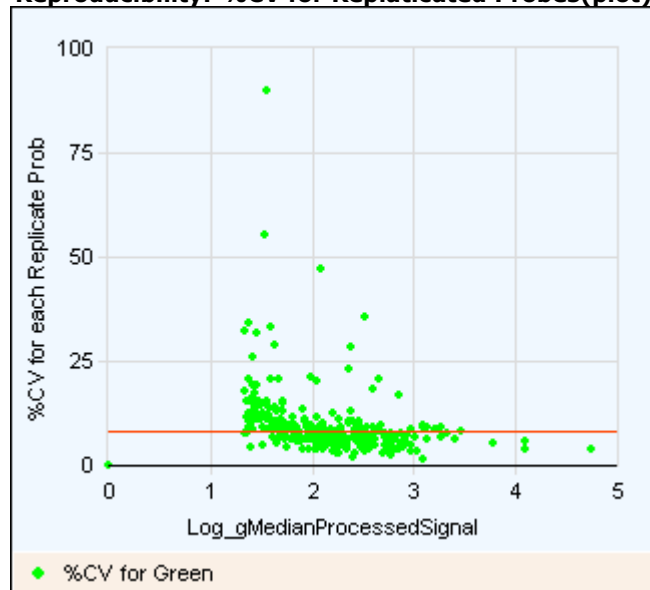
RMS_Fit	0.93
RMS_Resid	2.15
Avg_Fit	55.30

**Reproducibility: %CV for Replicated Probes**

Median %CV Signal (inliers)

Non-Control probes

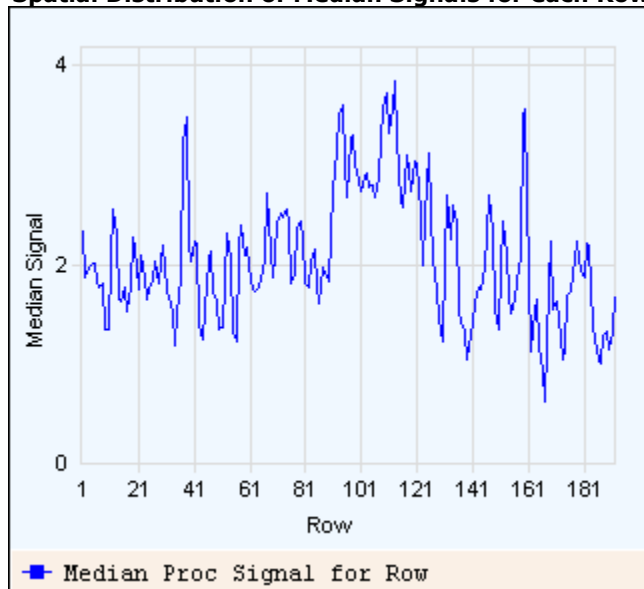
BGSubSignal	8.06
ProcessedSignal	8.06

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

Metric Name Value UpLim LowLim IsMandatory

AddErrorEstimateGreen	2.15	NA	NA	False
AnyColorPrcntFeatPopnOL	5.60	NA	NA	False
gNonCtrlMedPrcntCVBGSubS...	8.06	NA	NA	False
gTotalSignal75pctile	10.42	NA	NA	False

◆ In Normal Range ◆ Evaluate

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