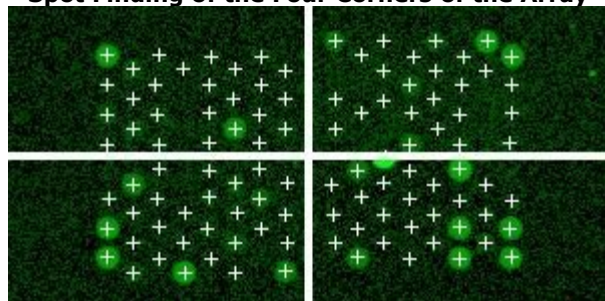


**QC Report - Agilent Technologies : miRNA****QCMetrics InRange (4 of 4)**

|            |                                     |                        |                          |
|------------|-------------------------------------|------------------------|--------------------------|
| Date       | Monday, June 23, 2008 - 13:51       | Grid                   | 019118_D_I_20080214      |
| Image      | US22502705_251911811010_S01_H [1_3] | 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       | 1155867                  |

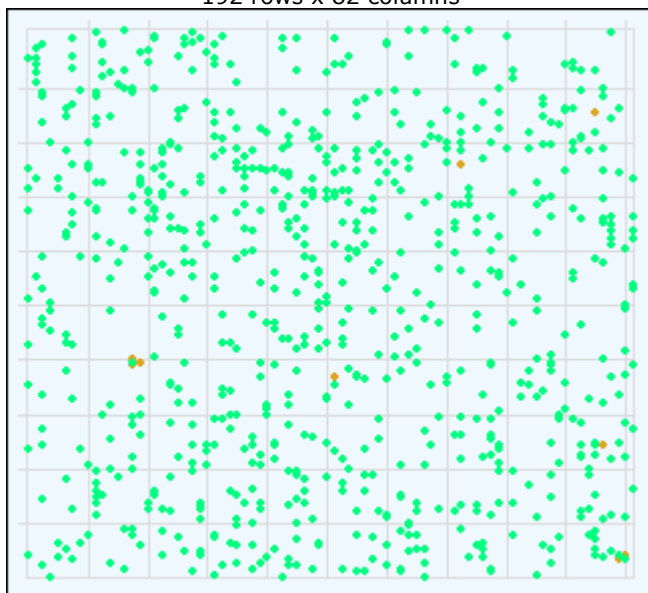
**Spot Finding of the Four Corners of the Array****Grid Normal**

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

|             |     |    |
|-------------|-----|----|
| Non Uniform | 0   | 12 |
| Population  | 769 | 0  |

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

192 rows x 82 columns



# FeatureNonUnif = 0(0.00%)

# Feature Population Outliers = 769(5.60%)

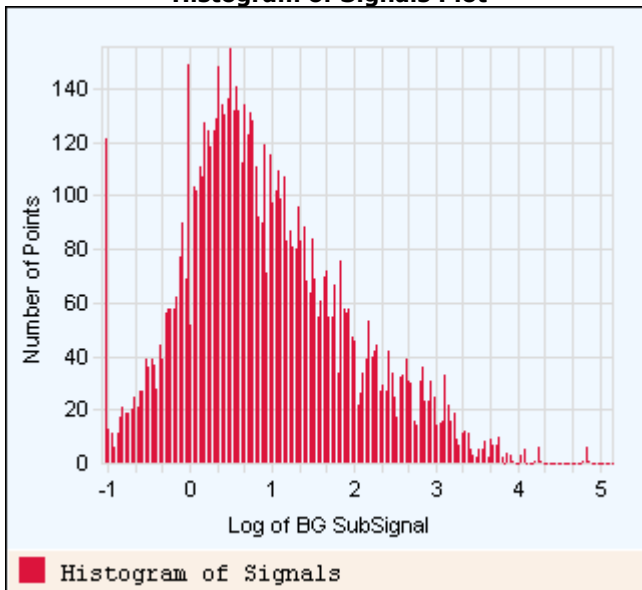
● BG NonUniform      ● BG Population  
 ● Green FeaturePopulation ● Green Feature NonUniform

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

|                      |      |
|----------------------|------|
| # Saturated Features | 0    |
| 99% of Sig. Distrib. | 1550 |
| 50% of Sig. Distrib. | 21   |
| 1% of Sig. Distrib.  | 14   |

**Negative Control Stats**

|                       |       |
|-----------------------|-------|
| Average Net Signals   | 19.43 |
| StdDev Net Signals    | 2.29  |
| Average BG Sub Signal | -0.49 |
| StdDev BG Sub Signal  | 2.07  |

**Histogram of Signals Plot**

# Features (NonCtrl) with BGSubSignal &lt; 0: 4702 (Green)

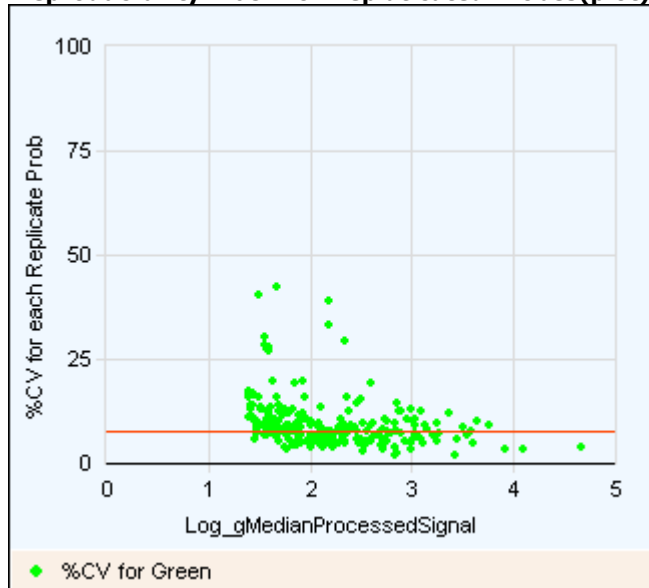
**Foreground Surface Fit**

|           |       |
|-----------|-------|
| RMS_Fit   | 1.12  |
| RMS_Resid | 2.45  |
| Avg_Fit   | 56.50 |

**Reproducibility: %CV for Replicated Probes**

Median %CV Signal (inliers)  
Non-Control probes

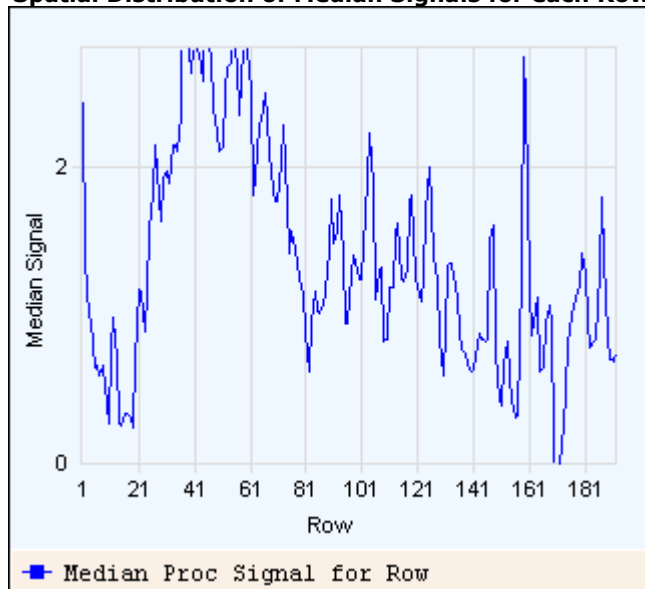
|                 |      |
|-----------------|------|
| BGSubSignal     | 7.92 |
| ProcessedSignal | 7.92 |

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

Metric Name      Value UpLim LowLim IsMandatory

|                             |      |    |    |       |
|-----------------------------|------|----|----|-------|
| AddErrorEstimateGreen       | 2.45 | NA | NA | False |
| AnyColorPrcntFeatPopnOL     | 5.60 | NA | NA | False |
| gNonCtrlMedPrcntCVBGSubS... | 7.92 | NA | NA | False |
| gTotalSignal75pctile        | 7.39 | NA | NA | False |

◆ In Normal Range    ◆ Evaluate

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