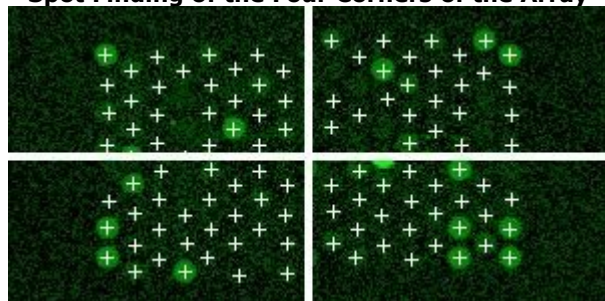


QC Report - Agilent Technologies : miRNA**QCMetrics InRange (4 of 4)**

| | | | |
|------------|-------------------------------------|------------------------|--|
| Date | Monday, June 23, 2008 - 15:29 | Grid | US22502705_251911811007_S01_H_grid (from grid_file) |
| Image | US22502705_251911811007_S01_H [1_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 | 1191947 |

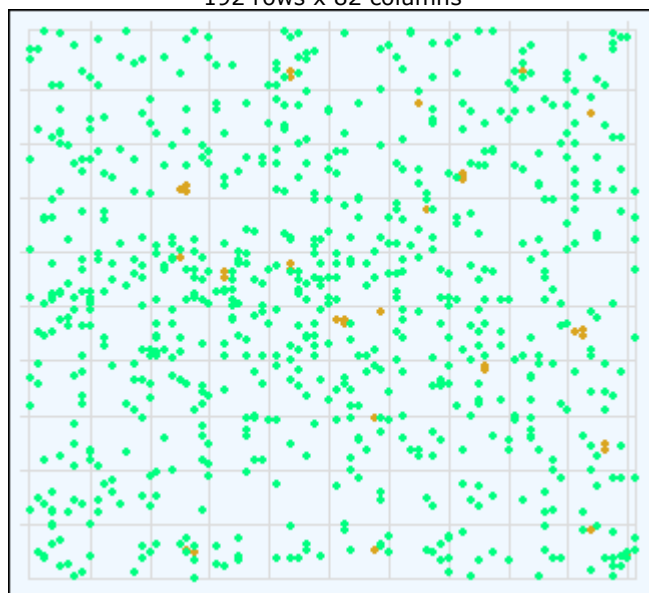
Spot Finding of the Four Corners of the Array**Grid Normal**

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

| | | |
|-------------|-----|----|
| Non Uniform | 0 | 34 |
| Population | 723 | 0 |

Spatial Distribution of All Outliers on the Array

192 rows x 82 columns



FeatureNonUnif = 0(0.00%)

Feature Population Outliers = 723(5.26%)

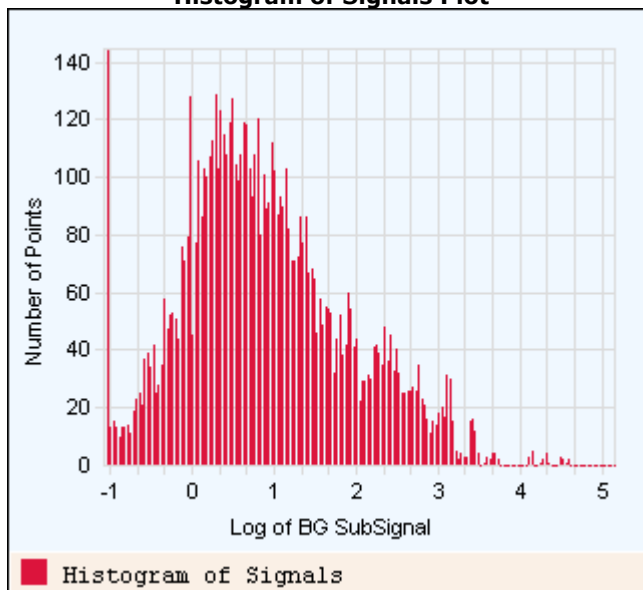
● BG NonUniform ● BG Population
 ● Green FeaturePopulation ● Green Feature NonUniform

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

| | |
|----------------------|------|
| # Saturated Features | 0 |
| 99% of Sig. Distrib. | 1117 |
| 50% of Sig. Distrib. | 21 |
| 1% of Sig. Distrib. | 15 |

Negative Control Stats

| | |
|-----------------------|-------|
| Average Net Signals | 20.53 |
| StdDev Net Signals | 2.24 |
| Average BG Sub Signal | 0.37 |
| StdDev BG Sub Signal | 2.15 |

Histogram of Signals Plot

Features (NonCtrl) with BGSubSignal < 0: 5546 (Green)

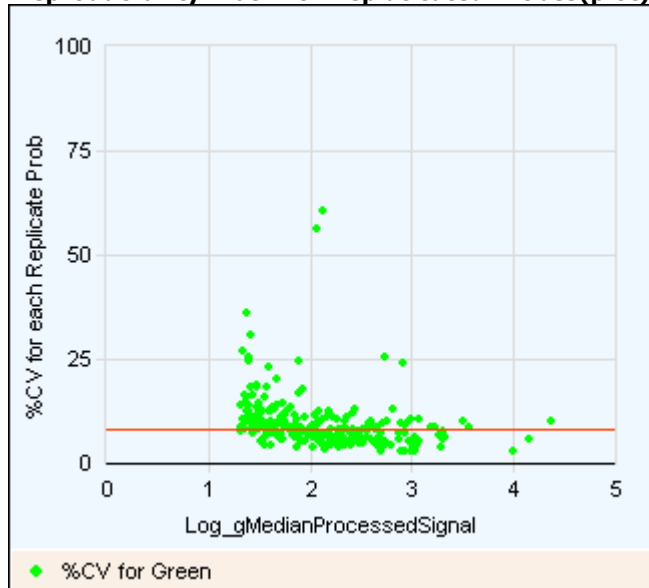
Foreground Surface Fit

| | |
|-----------|-------|
| RMS_Fit | 0.73 |
| RMS_Resid | 2.05 |
| Avg_Fit | 56.43 |

Reproducibility: %CV for Replicated Probes

Median %CV Signal (inliers)
Non-Control probes

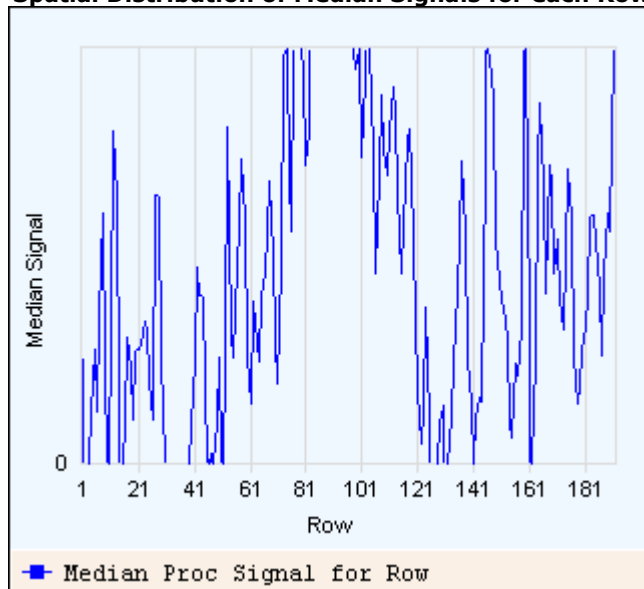
| | |
|-----------------|------|
| BGSubSignal | 8.13 |
| ProcessedSignal | 8.13 |

Reproducibility: %CV for Replated Probes(plot)**Evaluation Metrics for miRNA_QCM_Apr07**

Metric Name Value UpLim LowLim IsMandatory

| | | | | |
|----------------------------|------|----|----|-------|
| AddErrorEstimateGreen | 2.05 | NA | NA | False |
| AnyColorPrctFeatPopnOL | 5.26 | NA | NA | False |
| gNonCtrlMedPrctCVBGSubS... | 8.13 | NA | NA | False |
| gTotalSignal75pctile | 5.83 | NA | NA | False |

◆ In Normal Range ◆ Evaluate

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