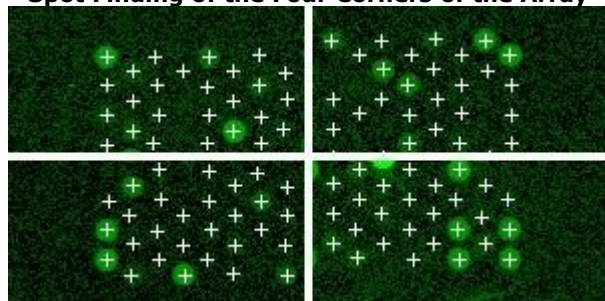


QC Report - Agilent Technologies : miRNA**QCMetrics InRange (4 of 4)**

| | | | |
|------------|-------------------------------------|------------------------|--|
| Date | Monday, June 23, 2008 - 15:35 | Grid | US22502705_251911811014_S01_H_grid (from grid_file) |
| Image | US22502705_251911811014_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 | 1167010 |

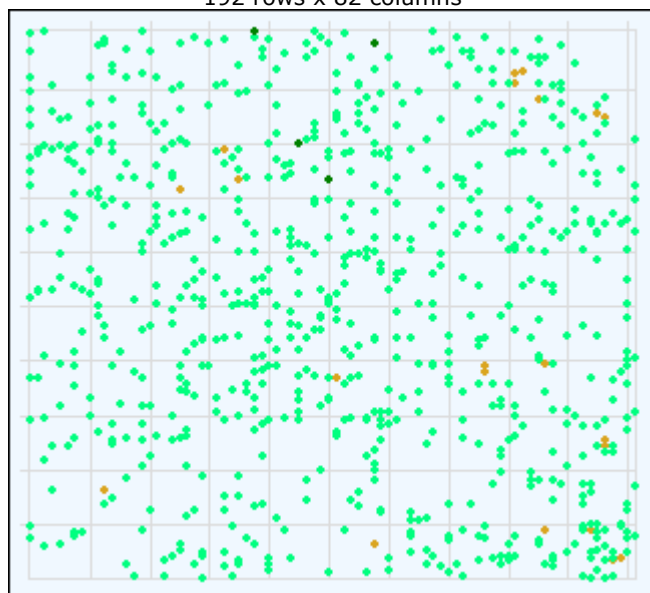
Spot Finding of the Four Corners of the Array**Evaluate Grid**

| Feature | Local Background |
|-------------|------------------|
| Non Uniform | 21 |
| Population | 0 |

| | | |
|-------------|-----|----|
| Non Uniform | 4 | 21 |
| Population | 742 | 0 |

Spatial Distribution of All Outliers on the Array

192 rows x 82 columns



FeatureNonUnif = 4(0.03%)

Feature Population Outliers = 742(5.40%)

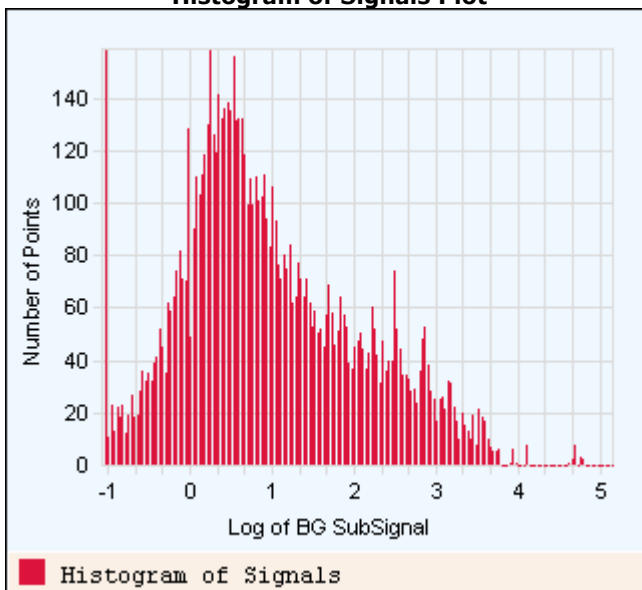
● BG NonUniform ● BG Population
● Green FeaturePopulation ● Green Feature NonUniform

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

| | |
|----------------------|------|
| # Saturated Features | 0 |
| 99% of Sig. Distrib. | 2268 |
| 50% of Sig. Distrib. | 22 |
| 1% of Sig. Distrib. | 15 |

Negative Control Stats

| | |
|-----------------------|-------|
| Average Net Signals | 20.18 |
| StdDev Net Signals | 1.99 |
| Average BG Sub Signal | -0.07 |
| StdDev BG Sub Signal | 2.01 |

Histogram of Signals Plot

Features (NonCtrl) with BGSubSignal < 0: 4612 (Green)

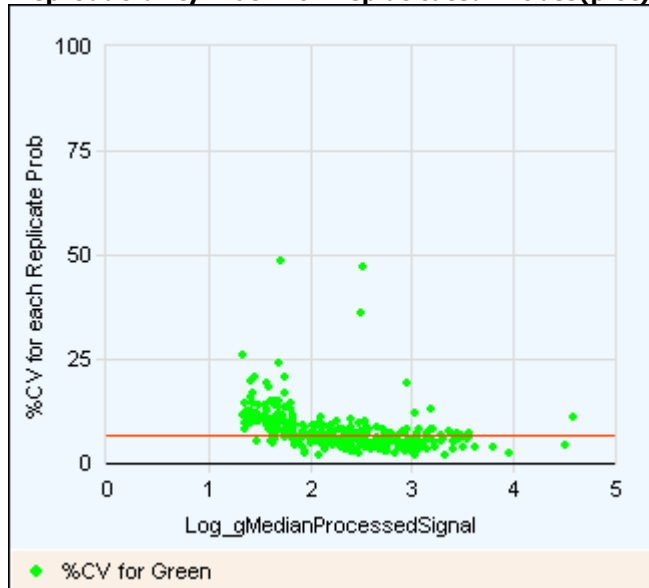
Foreground Surface Fit

| | |
|-----------|-------|
| RMS_Fit | 0.54 |
| RMS_Resid | 2.09 |
| Avg_Fit | 56.69 |

Reproducibility: %CV for Replicated Probes

Median %CV Signal (inliers)
Non-Control probes

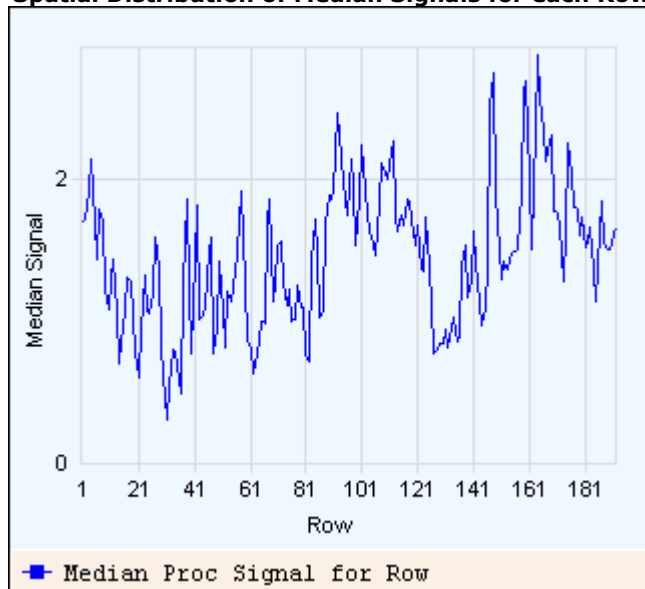
| | |
|-----------------|------|
| BGSubSignal | 6.55 |
| ProcessedSignal | 6.55 |

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

Metric Name Value UpLim LowLim IsMandatory

| | | | | |
|-----------------------------|------|----|----|-------|
| AddErrorEstimateGreen | 2.09 | NA | NA | False |
| AnyColorPrcntFeatPopnOL | 5.40 | NA | NA | False |
| gNonCtrlMedPrcntCVBGSubS... | 6.55 | NA | NA | False |
| gTotalSignal75pctile | 7.43 | NA | NA | False |

◆ In Normal Range ◆ Evaluate

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