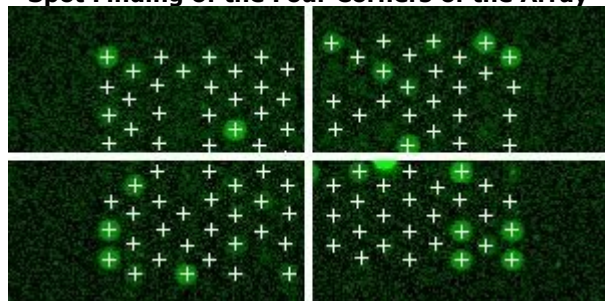


QC Report - Agilent Technologies : miRNA**QCMetrics InRange (4 of 4)**

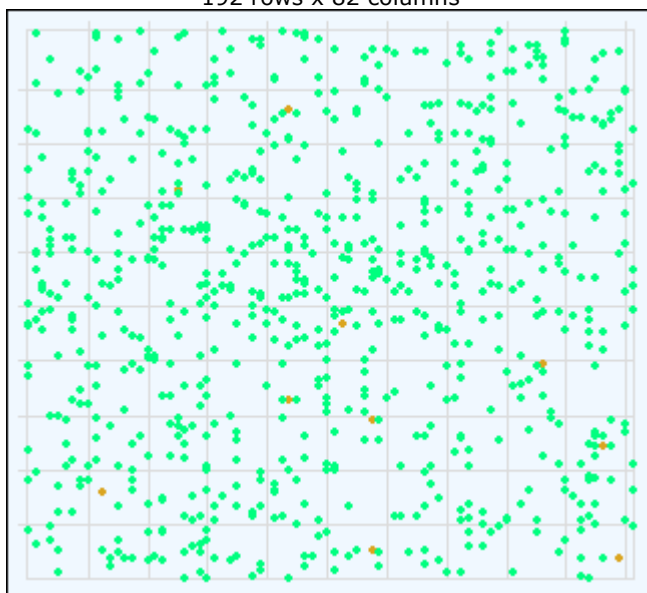
| | | | |
|------------|-------------------------------------|------------------------|--|
| Date | Wednesday, April 16, 2008 - 17:56 | Grid | US22502705_251911810638_S01_H_grid (from grid_file) |
| Image | US22502705_251911810638_S01_H [2_4] | BG Method | No Background |
| Protocol | miRNA-v1_95_May07 (Read Only) | Background Detrend | On(FeatNCRRange, LoPass) |
| User Name | pdandrad | Multiplicative Detrend | False |
| FE Version | 9.5.3.1 | Additive Error | 2 |
| | | Saturation Value | 1169283 |

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

| Feature | Local Background |
|-------------|------------------|
| Non Uniform | 0 |
| Population | 755 |

Spatial Distribution of All Outliers on the Array

192 rows x 82 columns



FeatureNonUnif = 0(0.00%)

Feature Population Outliers = 755(5.50%)

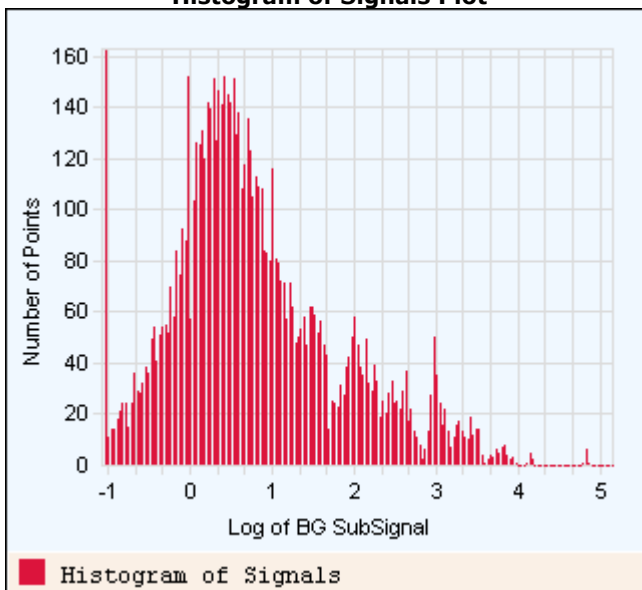
● BG NonUniform ● BG Population
 ● Green FeaturePopulation ● Green Feature NonUniform

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

| | |
|----------------------|------|
| # Saturated Features | 0 |
| 99% of Sig. Distrib. | 1866 |
| 50% of Sig. Distrib. | 18 |
| 1% of Sig. Distrib. | 12 |

Negative Control Stats

| | |
|-----------------------|-------|
| Average Net Signals | 18.13 |
| StdDev Net Signals | 2.41 |
| Average BG Sub Signal | 0.96 |
| StdDev BG Sub Signal | 2.23 |

Histogram of Signals Plot

Features (NonCtrl) with BGSubSignal < 0: 5123 (Green)

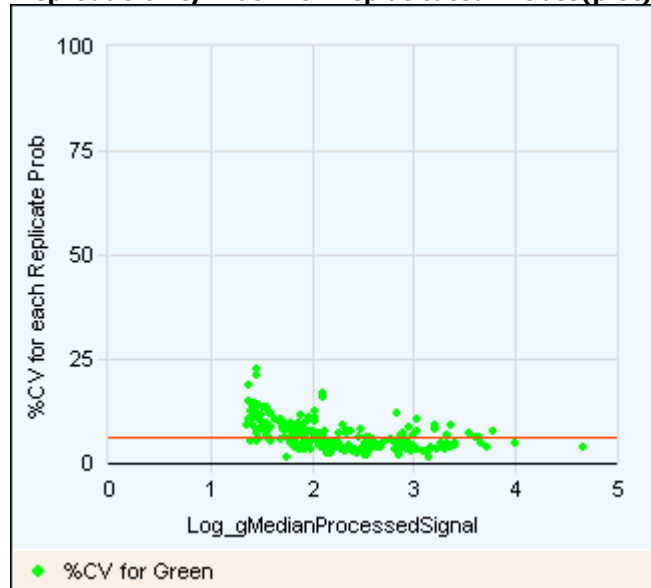
Foreground Surface Fit

| | |
|-----------|-------|
| RMS_Fit | 1.02 |
| RMS_Resid | 2.25 |
| Avg_Fit | 53.44 |

Reproducibility: %CV for Replicated Probes

Median %CV Signal (inliers)
Non-Control probes

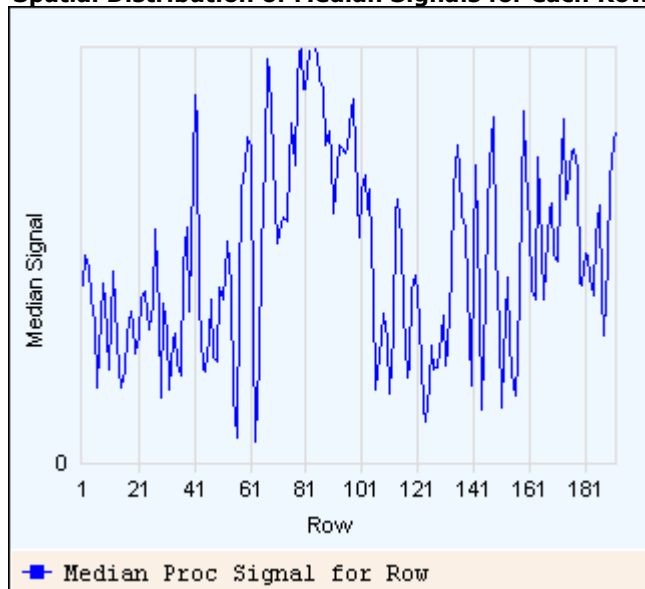
| | |
|-----------------|------|
| BGSubSignal | 6.04 |
| ProcessedSignal | 6.04 |

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

Metric Name Value UpLim LowLim IsMandatory

| | | | | |
|-----------------------------|------|----|----|-------|
| AddErrorEstimateGreen | 2.25 | NA | NA | False |
| AnyColorPrcntFeatPopnOL | 5.50 | NA | NA | False |
| gNonCtrlMedPrcntCVBGSubS... | 6.04 | NA | NA | False |
| gTotalSignal75pctile | 4.16 | NA | NA | False |

◆ In Normal Range ◆ Evaluate

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