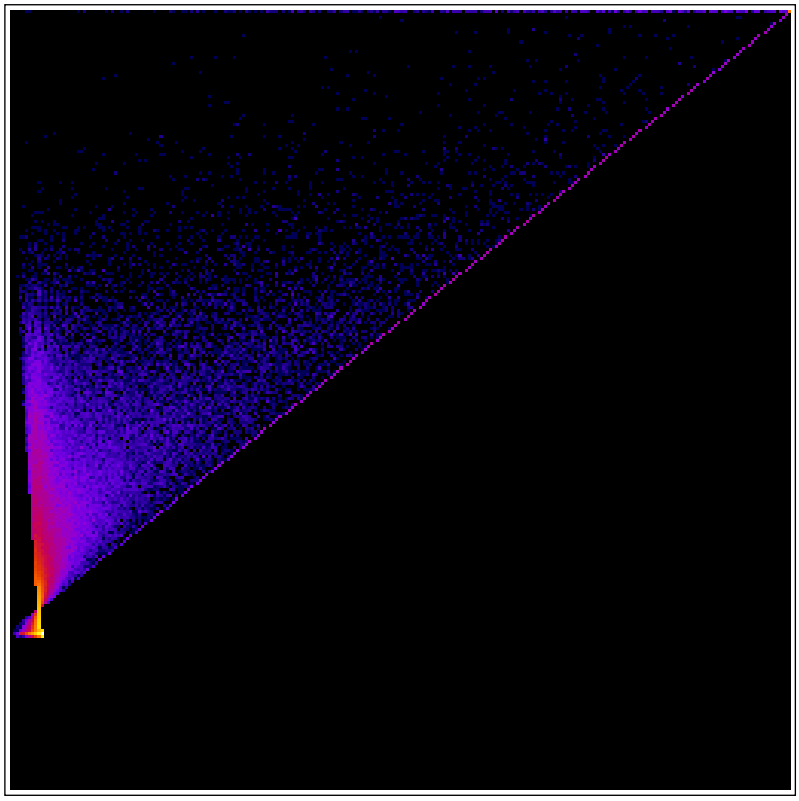
Colocalization_of_red_vs_green.pdf

Li - Ch1

256.0 x 256.0



Channel 2
green.tif

Channel 1
red.tif

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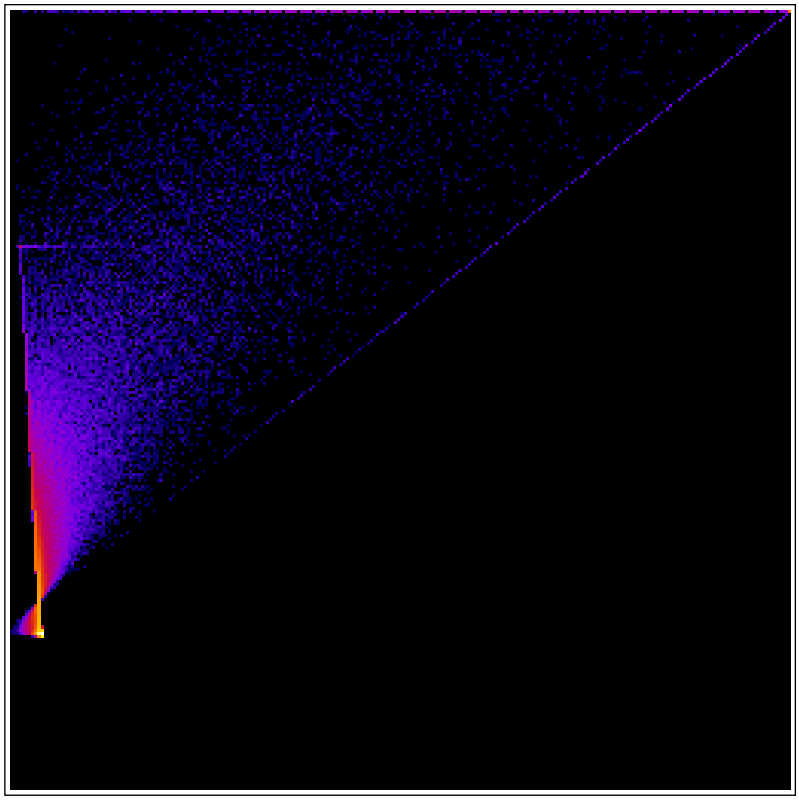
Li - Ch2

256.0 x 256.0

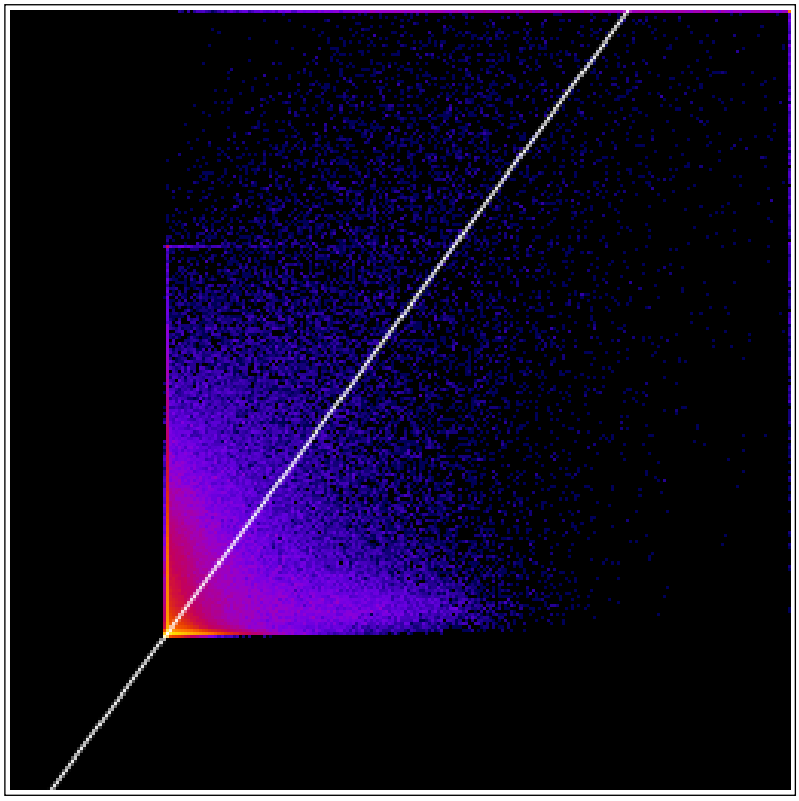


Channel 2
green.tif

Channel 1
red.tif

2D intensity histogram

256.0 x 256.0



Channel 2
green.tif

Channel 1
red.tif

Warning! y-intercept far from zero - The ratio of the y-intercept of the auto threshold regression line to the mean value of Channel 2 is high. This means the y-intercept is far from zero, implying a significant positive or negative zero offset in the image data intensities. Maybe you should use a ROI. Maybe do a background subtraction in both channels. Make sure you didn't clip off the low intensities to zero. This might not affect Pearson's correlation values very much, but might harm other results.

Coloc_Job_Name: Colocalization_of_red.tif_versus_green.tif_1840376798

% zero-zero pixels: 0.00

% saturated ch1 pixels: 0.52

% saturated ch2 pixels: 1.64

Channel 1 Max: 255.000

Channel 2 Max: 255.000

Channel 1 Min: 50.000

Channel 2 Min: 50.000

Channel 1 Mean: 58.930

Channel 2 Mean: 61.475

Channel 1 Integrated (Sum) Intensity: 50841644.000

Channel 2 Integrated (Sum) Intensity: 53037323.000

Mask Type Used: none

Mask ID Used: 1840376798

m (slope): 1.36

b (y-intercept): -18.67
b to y-mean ratio: -0.30
Ch1 Max Threshold: 56.00
Ch2 Max Threshold: 58.00
Threshold regression: Costes
Pearson's R value (no threshold): 0.74
Pearson's R value (below threshold): -0.01
Pearson's R value (above threshold): 0.67
Li's ICQ value: 0.345
Spearman's rank correlation value: 0.54634184
Spearman's correlation t-statistic: 605.8845
t-statistic degrees of freedom: 862750.000
Manders' M1 (Above zero intensity of Ch2): 1.000
Manders' M2 (Above zero intensity of Ch1): 1.000
Manders' tM1 (Above autothreshold of Ch2): 0.297
Manders' tM2 (Above autothreshold of Ch1): 0.322
Kendall's Tau-b rank correlation value: 0.4734
Costes P-Value: 1.00
Costes Shuffled Mean: 0.01
Costes Shuffled Std.D.: 0.01
Ratio of rand. Pearsons >= actual Pearsons value : 0.00