SUPPLEMENTAL INFORMATION

Quantitative analysis of intracellular fluorescent foci in live bacteria

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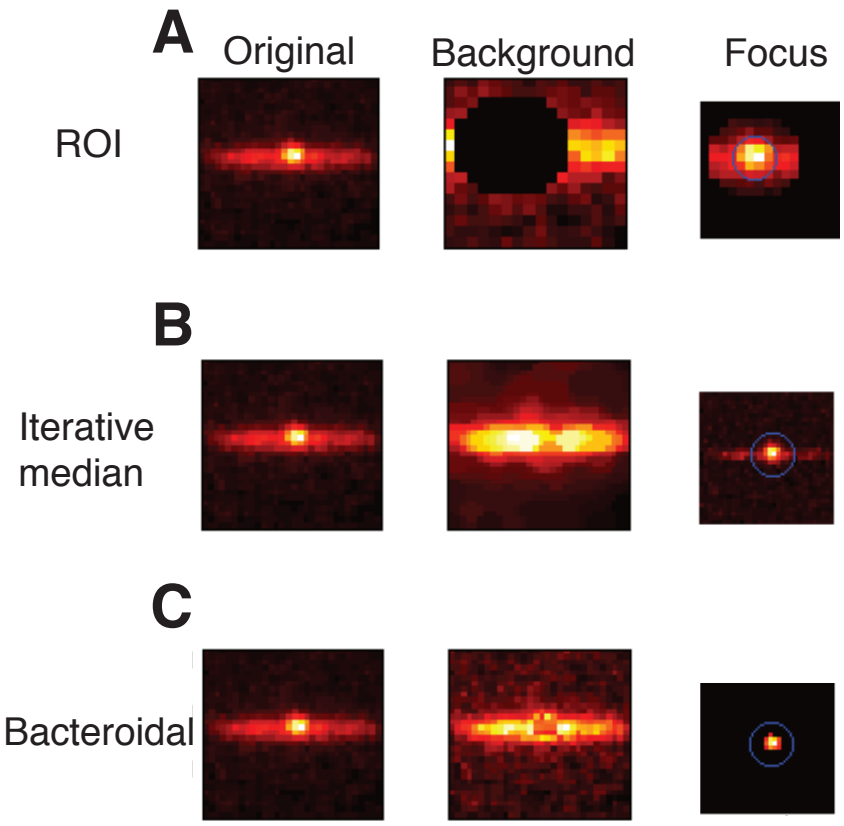
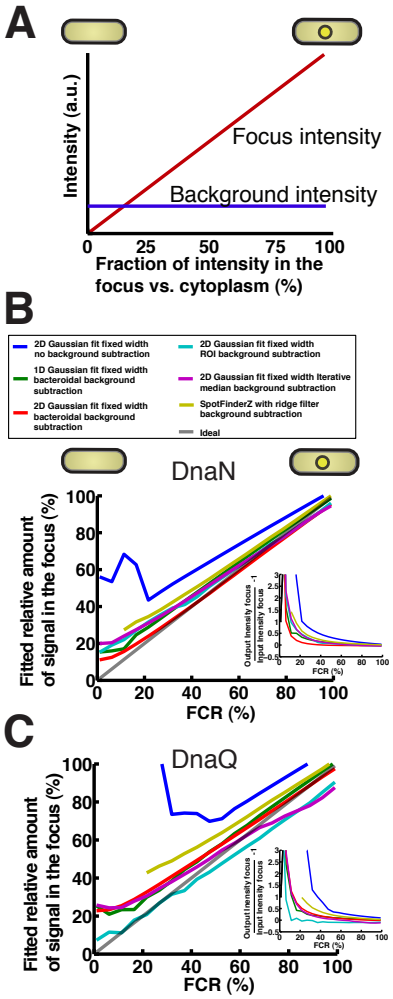
1 SUPPLEMENTARY FIGURES



Supplementary Figure S1: Example results of using the three different background subtraction algorithms on the same image (A) Region of interest algortihm, (B) Iterative median algorithm, and (C) The bacteroidal algorithm.



Supplementary Figure S2: Comparison of the different algorithms for determining the total intensity of a focus using the incremental focus approach. (A) Schematic of approach. (B-C) The ratio of the amount of signal in the focus as estimated utilizing the different algorithms versus the known total cellular signal plotted of for the two different strains DnaN (A) and DnaQ (B) respectively. Here we plot the estimated focus content divided by the known total signal. (inset) The resulting error in terms of the difference between the focus content from the fit and the known focus content divided by the known focus content as function of FCR. We only show the fitted results up and until 100 %. ($n = 42$ cells)