



Figure S4. Expression pattern of *recA*. Nearly all cells in a non-induced culture express *recA*. A subpopulation of ~5.6% cells presents higher levels of GFP fluorescence, indicating that *recA* is expressed at higher rates in these cells. In a LexA(Ind⁻) background, this subpopulation decreases to ~3.5%, but does not disappear completely, suggesting that LexA is not entirely responsible for the heterogeneity of *recA* expression. In the absence of RecA, the activity of the *recA* promoter decreases to 32% but the expression remains heterogeneous.