FIGURE S1.—Effect of neighboring cells on \textit{prIME2-LacZ} expression and spore formation in \textit{IME2} cells. (A) LacZ expression in an \textit{prIME2-LacZ/IME2} strain (SH3824) that was present at the indicated concentrations (12.5% to 100%) in chimeric colonies that also contained either an \textit{ime2}\^\textit{Δ} strain (yellow) or an \textit{IME2} strain (blue) or in a control colony containing only SH3824 (red). Particularly in the 25% chimera, there was significantly higher expression of LacZ in the chimeras containing the \textit{ime2}\^\textit{Δ} strain than the corresponding chimeras containing the \textit{IME2} strain (for 25%, \(P=0.02\); for 12.5%, \(P=0.08\)). (B) Spore formation in \textit{IME2/IME2} + \textit{ime2}\^\textit{Δ}/\textit{ime2}\^\textit{Δ} chimeric colonies. Chimeric colonies inoculated at the indicated percentage of WT cells were examined for the percentage of cells that had formed spores after 5 days (circles) or 8 days (triangles) of incubation. The percentage of \textit{IME2} cells that had sporulated (y-axis) was calculated by dividing the total percentage of sporulation in the colony by the percentage of \textit{IME2} cells among total viable cells in the colony. This latter percentage was determined by suspending cells from each of three colonies, plating each suspension separately, patching approximately 60 of the resulting colonies from each plate to master plates, replica plating the master plates to sporulation medium, incubating for three days, and finally replica plating the sporulation plates to medium containing canavanine. This drug selects from cells that have completed sporulation, hence are \textit{IME2}. 