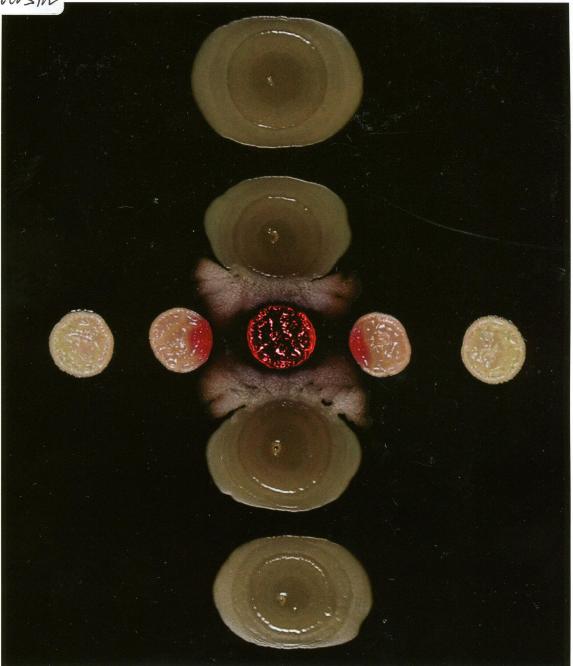
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The EutT Enzyme of Salmonella enterica Is a Unique ATP:Cob(I)alamin Adenosyltransferase Metalloprotein That Requires Ferrous Ions for Maximal Activity

Theodore C. Moore, Paola E. Mera, Jorge C. Escalante-Semerena 903-910

Cover photograph (Copyright © 2014, American Society for Microbiology. All Rights Reserved.): Bacillus subtilis and Streptomyces coelicolor are spore-forming bacteria that synthesize many bioactive metabolites. When cultured together, both organisms show visible changes to development and metabolism from competitive interaction. S. coelicolor (horizontal colonies) induces spreading behavior from proximal B. subtilis (vertical colonies), while distal colonies are unaffected. B. subtilis in turn induces synthesis of undecylprodigiosin by S. coelicolor, visible as a red pigment on nearby colonies. In this issue, Vargas-Bautista et al. use bacterial competition to identify B. subtilis regulatory functions controlling synthesis of bacillaene, a bioactive metabolite that alters streptomycete secondary metabolism. (See related article on page 717.)