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Redundant Group A Streptococcus Signaling Peptides Exhibit Unique Activation Potentials

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Cover photograph (Copyright © 2013, American Society for Microbiology. All Rights Reserved.): *Pseudomonas aeruginosa* is a Gram-negative opportunistic pathogen that can overproduce the exopolysaccharide known as alginate to survive and persist. *Pseudomonas* isolation agar (PIA) supplemented with ammonium metavanadate (PIAAMV) induces alginate overproduction independent of mutations, simulating how *P. aeruginosa* would attempt to survive in hostile environments, such as the lungs of cystic fibrosis patients. PIAAMV represents a platform to characterize envelope stress response networks. In this image, PIA and PIAAMV plates encompassing the PA14 transposon mutant library are shown; such plates were used to identify all the genes required for induction of alginate overproduction. (See related article on page 4020.)