



Article of Significant Interest in This Issue

Identifying Broader Functions for the *Escherichia coli* Global Regulatory Protein Lrp

Lrp is a well-known regulator that has been implicated in *Escherichia coli*'s response to starvation conditions. However, a new study by Kroner et al. (e00411-18) utilizing chromatin immunoprecipitation-DNA sequencing and transcriptome sequencing has identified hundreds of novel targets, in addition to evidence suggesting intriguing new mechanisms of regulation. At many targets, Lrp is bound during several conditions but has regulatory effects in only a subset, suggesting a mechanism of poised binding with function potentially mediated through interaction with other regulatory proteins. In addition, the authors find that Lrp shifts between low-specificity and sequence-specific binding as cells transition from logarithmic to stationary growth.