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abstract the prediction of cellular function from a genotype is a fundamental goal in biology for metabolism constraint based modelling methods systematize biochemical genetic and genomic

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constraint based modeling is a paradigm in systems biology that contributes to this latter aim by considering physical enzymatic and topological constraints underlying the phenotype in a metabolic network

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developed through extensive classroom use the book is designed to provide students with a solid conceptual framework and an invaluable set of modeling tools and computational approaches detailed lecture slides along with matlabm and mathematicatm workbooks are available for download at cambridge org sb

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this textbook describes how biological knowledge is assembled to reconstruct biochemical reaction networks the formulation of computational models of biological functions and how these models can be used to address key biological questions and

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