

ISSN 1550-9087

VOLUME 7 NUMBER 1
FEBRUARY 2011

Industrial Biotechnology



The journal of biobased industries

Marketing & communicating
biotechnology innovation

ORIGINAL RESEARCH

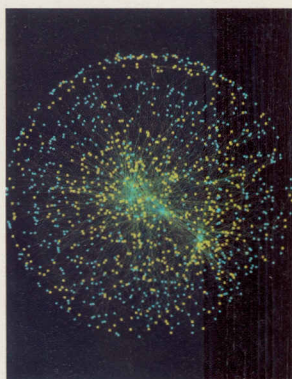
Constraint-based model development
for thermophilic hydrogen production

Mary Ann Liebert, Inc.  publishers

Industrial Biotechnology

VOLUME 7 NUMBER 1 • FEBRUARY 2011

contents



Metabolic network model

Image of the *Thermotoga neapolitana* metabolic network model generated with the biological network visualization program Cytoscape

See MUNRO et al, p. 63

DEPARTMENTS

- 1** News... Science & business developments
- 13** Calendar... Industry events

Feature Commentary

17 ROUNDTABLE

MEET THE EDITORS: Views on industrial biotechnology

Alessandra Albertini, Katrina Cornish, and Wei Liao

20 Marketing and communicating innovation in industrial biotechnology

Hamid Ghanadani and Michael Long

31 Patent law developments in 2010: Retrospective and future directions

John B. Pegram

35 Are whole new categories of biotechnology unpatentable?

Marc T. Morley and Jeffrey J. Tung

38 Biofuel patent trends as of early 2011

Sandra P. Thompson

Industrial Biotechnology

VOLUME 7 NUMBER 1 • FEBRUARY 2011

contents

Industry Report

- 41** BBSRC support for bioenergy and industrial biotechnology: Recommendations to encourage UK science and technology for the energy and chemicals industries

Biotechnology and Biological Sciences Research Council (UK)

Peer Review

53 METHODS

Simultaneous optimization of biomass and protease biosynthesis by a local isolated *Pseudomonas* sp.—Selection of main medium components and operating conditions

María Victoria Agüero, Catalina Elena Kotlar, and Sara Inés Roura

63 ORIGINAL RESEARCH

Comparative constraint-based model development for thermophilic hydrogen production

Sarah A. Munro, Stephen H. Zinder, and Larry P. Walker