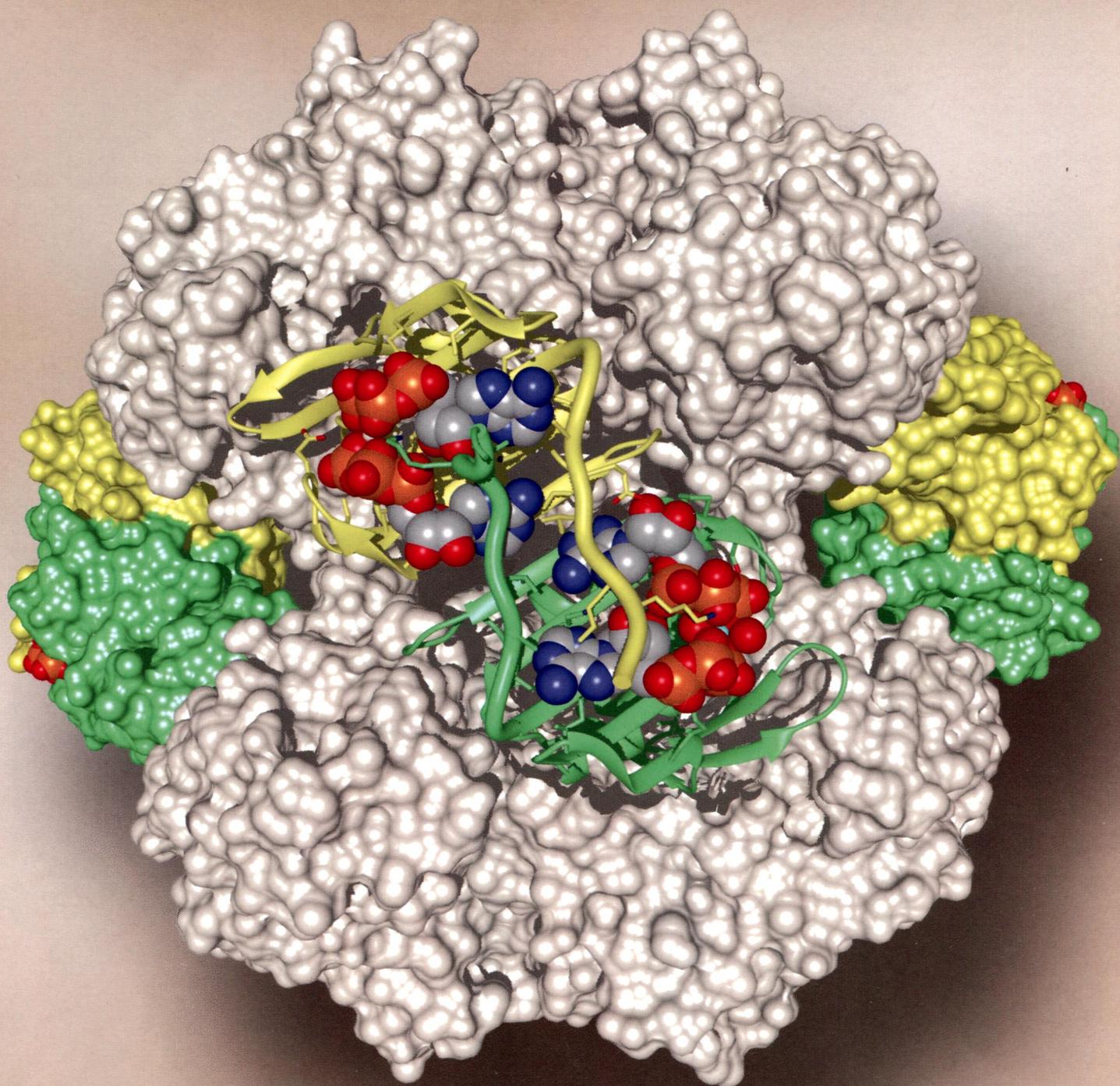


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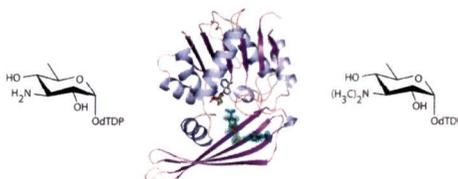
## Rapid Reports

1105 

[dx.doi.org/10.1021/bi500098a](https://doi.org/10.1021/bi500098a)

### Production of a Novel *N*-Monomethylated Dideoxysugar

James B. Thoden and Hazel M. Holden\*



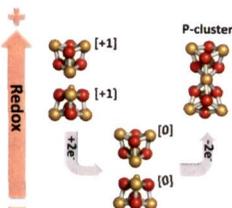
## Accelerated Publications

1108 

[dx.doi.org/10.1021/bi401699u](https://doi.org/10.1021/bi401699u)

### Nonenzymatic Synthesis of the P-Cluster in the Nitrogenase MoFe Protein: Evidence of the Involvement of All-Ferrous [Fe<sub>4</sub>S<sub>4</sub>]<sup>0</sup> Intermediates

Kresimir Rupnik, Chi Chung Lee, Jared A. Wiig, Yilin Hu, Markus W. Ribbe,\* and Brian J. Hales\*

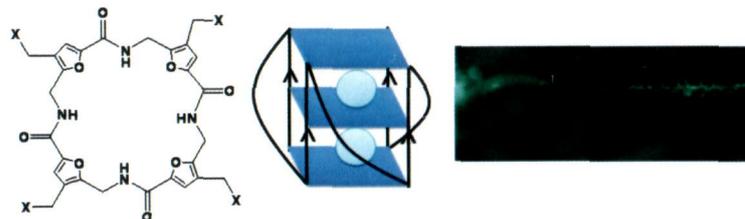


1117 **S**

dx.doi.org/10.1021/bi4009352

Morphological Effects of G-Quadruplex Stabilization Using a Small Molecule in Zebrafish

Tani Agarwal, Mukesh Kumar Lalwani, Santosh Kumar, Saumya Roy, Tushar Kanti Chakraborty,\* Sridhar Sivasubbu,\* and Souvik Maiti\*



1125

dx.doi.org/10.1021/bi401174h

Amino Acid Signature Enables Proteins to Recognize Modified tRNA

Jessica L. Spears, Xingqing Xiao, Carol K. Hall, and Paul F. Agris\*

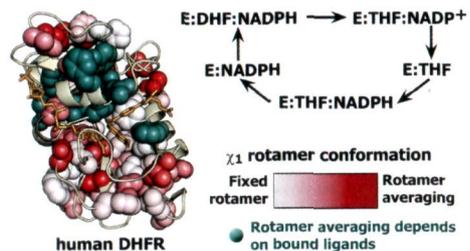


1134 **S**

dx.doi.org/10.1021/bi4015314

Side Chain Conformational Averaging in Human Dihydrofolate Reductase

Lisa M. Tuttle, H. Jane Dyson, and Peter E. Wright\*

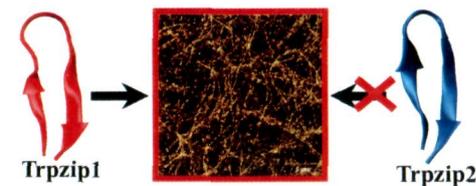


1146 **S**

dx.doi.org/10.1021/bi401568a

Aggregation Gatekeeper and Controlled Assembly of Trpzip  $\beta$ -Hairpins

Beatrice N. Markiewicz, Rolando Oyola, Deguo Du,\* and Feng Gai\*

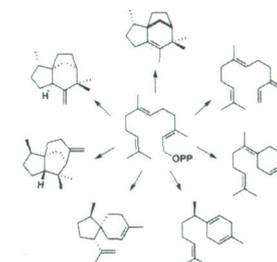


1155

dx.doi.org/10.1021/bi401643u

Reprogramming the Chemodiversity of Terpenoid Cyclization by Remolding the Active Site Contour of *epi*-Isozoaene Synthase

Ruiqiong Li, Wayne K. W. Chou, Julie A. Himmelberger, Kevin M. Litwin, Golda G. Harris, David E. Cane,\* and David W. Christianson\*

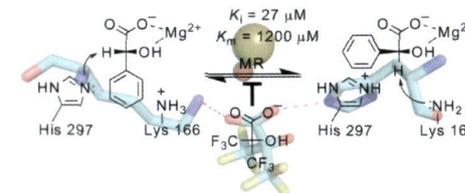


1169

dx.doi.org/10.1021/bi401703h

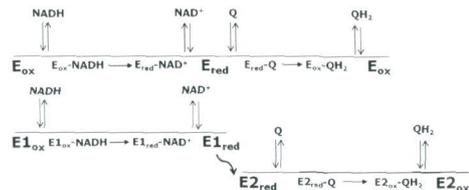
Potent Inhibition of Mandelate Racemase by a Fluorinated Substrate-Product Analogue with a Novel Binding Mode

Mitesh Nagar, Adam D. Lietzan, Martin St. Maurice, and Stephen L. Bearne\*



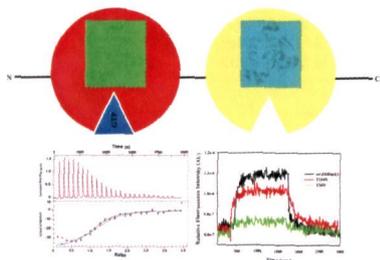
***Mycobacterium tuberculosis* Type II NADH-Menaquinone Oxidoreductase Catalyzes Electron Transfer through a Two-Site Ping-Pong Mechanism and Has Two Quinone-Binding Sites**

Takahiro Yano, Maryam Rahimian, Kawalpreet K. Aneja, Norman M. Schechter, Harvey Rubin,\* and Charles P. Scott



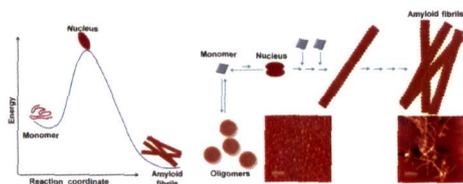
**Insights into the GTP/GDP Cycle of RabX3, a Novel GTPase from *Entamoeba histolytica* with Tandem G-Domains**

Mintu Chandra, Madhumita Mukherjee, Vijay Kumar Srivastava, Yumiko Saito-Nakano, Tomoyoshi Nozaki, and Sunando Datta\*



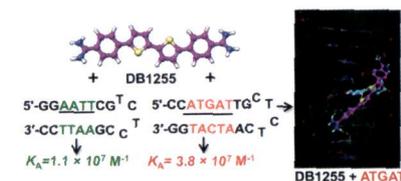
**Amyloid Fibril Formation by the Chain B Subunit of Monellin Occurs by a Nucleation-Dependent Polymerization Mechanism**

A. T. Sabareesan and Jayant B. Udgaonkar\*



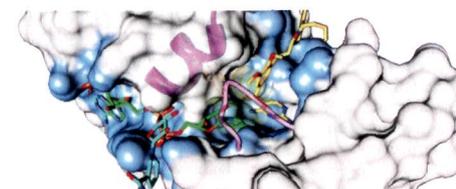
**The Unusual Monomer Recognition of Guanine-Containing Mixed Sequence DNA by a Dithiophene Heterocyclic Diamidine**

Manoj Munde, Arvind Kumar, Paul Peixoto, Sabine Depauw, Mohamed A. Ismail, Abdelbasset A. Farahat, Ananya Paul, Martial V. Say, Marie-Hélène David-Cordonnier,\* David W. Boykin,\* and W. David Wilson\*



**The Structure and Competitive Substrate Inhibition of Dihydrofolate Reductase from *Enterococcus faecalis* Reveal Restrictions to Cofactor Docking**

Christina R. Bourne,\* Nancy Wakeham, Nicole Webb, Baskar Nammalwar, Richard A. Bunce, K. Darrell Berlin, and William W. Barrow



## Additions and Corrections

**Correction to Radioligand Binding to Nanodisc-Reconstituted Membrane Transporters Assessed by the Scintillation Proximity Assay**

Mahmoud L. Nasr and Satinder K. Singh\*