

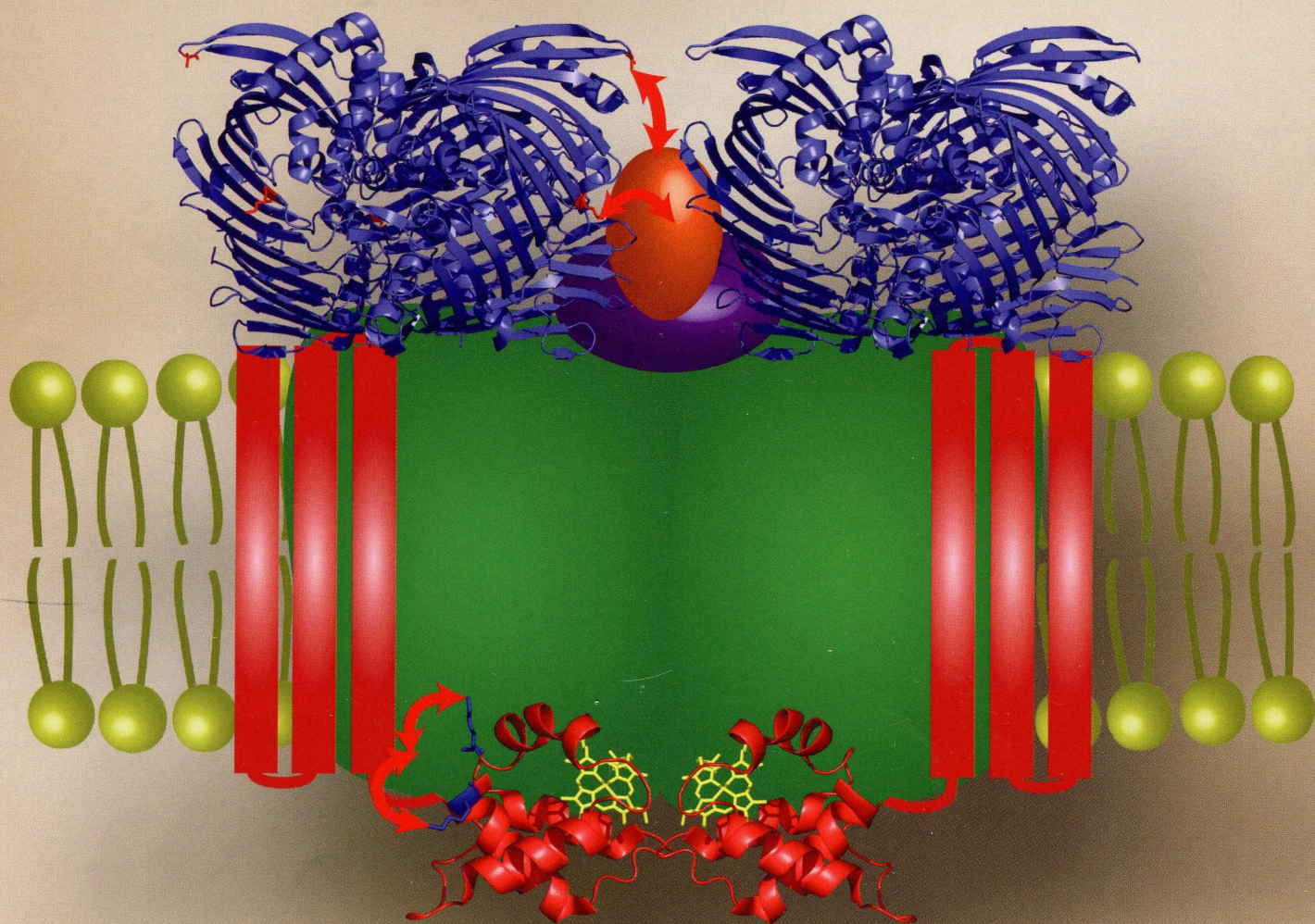
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ON THE COVER: The photosynthetic apparatus of the anoxygenic photosynthetic green sulfur bacterium *Chlorobaculum tepidum* includes the reaction center core (RCC) complex and the FMO antenna protein. The RCC complex is an FeS-type (type I) reaction center, which is composed of a homodimeric core structure formed by two PscA proteins, PscB Fe-S protein, a cytochrome c_{551} (PscC) protein, and a PscD protein. A structural model of the FMO/RCC complex is proposed on the basis of chemical cross-linking results.

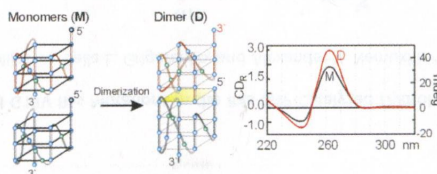
Articles

7013 **S**

DOI: 10.1021/bi500773c

Formation of Highly Ordered Multimers in G-Quadruplexes

Petra Tóthová, Petra Kraččíková, and Viktor Víglašky*

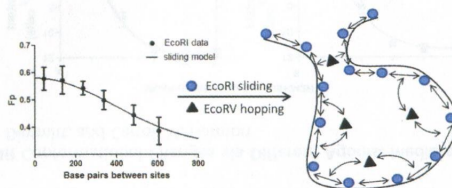


7028 **S**

DOI: 10.1021/bi501110r

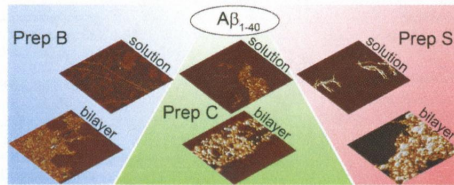
Distinct Facilitated Diffusion Mechanisms by *E. coli* Type II Restriction Endonucleases

Adam J. Pollak, Aaron T. Chin, and Norbert O. Reich*



Preparation Protocols of $A\beta(1-40)$ Promote the Formation of Polymorphic Aggregates and Altered Interactions with Lipid Bilayers

Elizabeth A. Yates and Justin Legleiter*



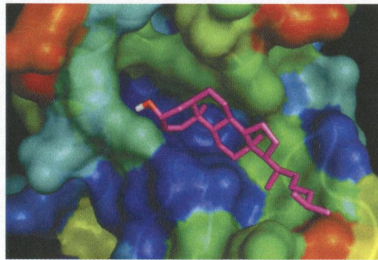
7051



DOI: 10.1021/bi500918m

Structural and Functional Assessment of Perilipin 2 Lipid Binding Domain(s)

Charles P. Najt, Joel S. Lwande, Avery L. McIntosh, Subramanian Senthivanayagam, Shipra Gupta, Leslie A. Kuhn, and Barbara P. Atshaves*



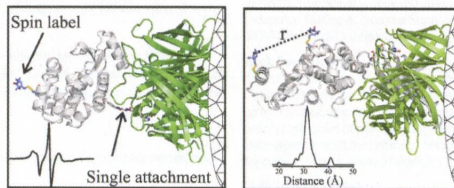
7067



DOI: 10.1021/bi5011128

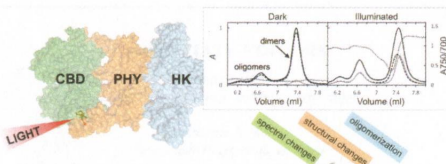
Stationary-Phase EPR for Exploring Protein Structure, Conformation, and Dynamics in Spin-Labeled Proteins

Carlos J. López, Mark R. Fleissner, Evan K. Brooks, and Wayne L. Hubbell*



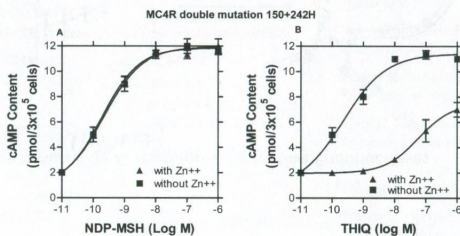
Connection between Absorption Properties and Conformational Changes in *Deinococcus radiodurans* Phytochrome

Heikki Takala, Heli Lehtivuori, Henrik Hammarén, Vesa P. Hytönen, and Janne A. Ihalainen*



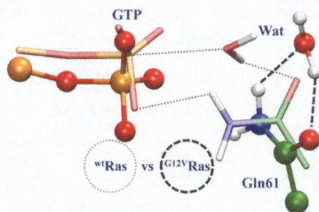
Structural Insight into the MC4R Conformational Changes via Different Agonist-Mediated Receptor Signaling

Yingkui Yang,* Min Chen, Reed Dimmitt, and Carroll M. Harmon



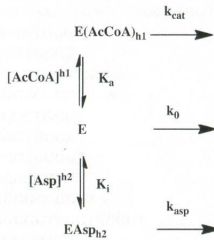
Modeling the Role of G12V and G13V Ras Mutations in the Ras-GAP-Catalyzed Hydrolysis Reaction of Guanosine Triphosphate

Maria G. Khrenova, Vladimir A. Mironov, Bella L. Grigorenko, and Alexander V. Nemukhin*



Mechanisms of Inhibition of *Rhizobium etli* Pyruvate Carboxylase by L-Aspartate

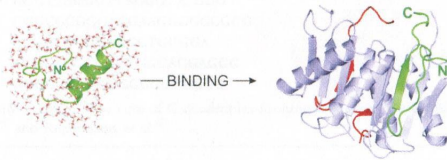
Chaiyos Sirithanakorn, Abdussalam Adina-Zada, John C. Wallace, Sarawut Jitrapakdee,* and Paul V. Attwood*

7107 **5**

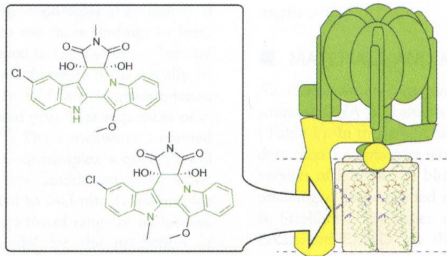
DOI: 10.1021/bi500574z

DYNLL2 Dynein Light Chain Binds to an Extended Linear Motif of Myosin 5a Tail That Has Structural Plasticity

Andrea Bodor, László Radnai, Csaba Hetényi, Péter Rapali, András Láng, Katalin E. Kövér, András Perczel, Weixiao Y. Wahlgren, Gergely Katona, and László Nyitrai*

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DOI: 10.1021/bi501078j

Mutations in the Proteolipid Subunits of the Vacuolar H⁺-ATPase Provide Resistance to Indolotryptoline Natural Products
Fang-Yuan Chang, Shigehiro A. Kawashima, and Sean F. Brady*

Trm4 and Nsun2 RNA:m⁵C Methyltransferases Form Metabolite-Dependent, Covalent Adducts with Previously Methylated RNA

Haley J. Moon and Kent L. Redman*

