

CONTENTS Vol. 150, No. 6

JB Commentary

Recent reports about enzymes related to the synthesis of prostaglandin (PG) F₂ (PGF_{2 α} and 9 α , 11 β -PGF₂)

K. Watanabe

593

JB Reflections and Perspectives

Kunihiko Suzuki and sphingolipidoses

K. Ohno

597

Regular Papers

Structure of *Thermus thermophilus* homoisocitrate dehydrogenase in complex with a designed inhibitor

E. Nango, T. Yamamoto, T. Kumasaka
and T. Eguchi

607

ZnuABC and ZosA zinc transporters are differently involved in competence development in *Bacillus subtilis*

M. Ogura

615

Biochemical characterization of human dynamin-like protein 1

Y. Zhang, X. Gao and R.M. Garavito

627

Antiviral protection mechanisms mediated by ginbuna crucian carp interferon gamma isoforms 1 and 2 through two distinct interferon gamma-receptors

T. Yabu, H. Toda, Y. Shibasaki,
K. Araki, M. Yamashita, H. Anzai,
N. Mano, Y. Masuhiro, S. Hanazawa,
H. Shiba, T. Moritomo and
T. Nakanishi

635

NDX-1 protein hydrolyzes 8-oxo-7, 8-dihydrodeoxyguanosine-5'-diphosphate to sanitize oxidized nucleotides and prevent oxidative stress in *Caenorhabditis elegans*

U. Sanada, S.-I. Yonekura, M. Kikuchi,
K. Hashiguchi, N. Nakamura, S. Yonei
and Q.-M. Zhang-Akiyama

649

High resolution X-ray crystal structures of L-phenylalanine oxidase (deaminating and decarboxylating) from *Pseudomonas* sp. P-501. Structures of the enzyme-ligand complex and catalytic mechanism

K. Ida, M. Suguro and H. Suzuki

659

Establishment and characterization of hepatocytes from an Immortomouse/SMP30/GNL knockout mouse hybrid lacking vitamin C to study vitamin C transport

A. Amano, S. Handa, T. Aigaki,
K. Shigemoto, N. Maruyama and
A. Ishigami

671

Activation of the I κ B kinase complex by HTLV-1 Tax requires cytosolic factors involved in Tax-induced polyubiquitination

Y. Shibata, Y. Tanaka, J. Gohda and
J.-i. Inoue

679

Posttranscriptional regulation of expression of plasminogen activator inhibitor type-1 by cAMP in HepG2 liver cells

T. Asakura, S. Iwaki, H. Okada,
B.E. Sobel and S. Fujii

687