

INTRODUCTION**PREFACE**

Ita Gruić Sovulj
Marko Močibob
Nenad Ban

Croat. Chem. Acta **2016**, 89(2), 145

IVANA WEYGAND-ĐURAŠEVIĆ – Curriculum Vitae

Marko Močibob

Croat. Chem. Acta **2016**, 89(2), 147–148

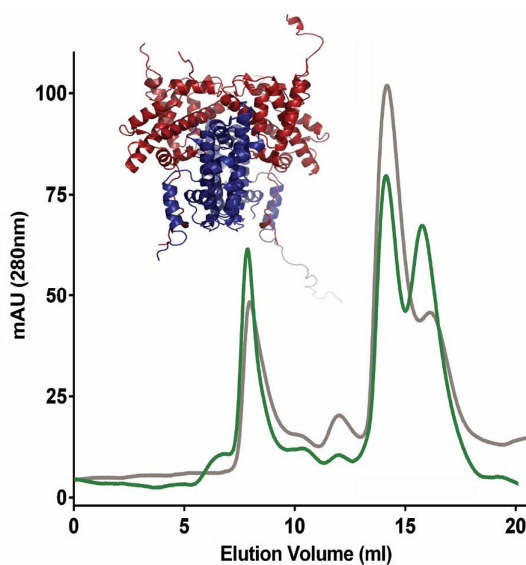
IVANA WEYGAND-ĐURAŠEVIĆ – List of Publications

Croat. Chem. Acta **2016**, 89(2), 149–152

ORIGINAL SCIENTIFIC ARTICLES**Simplified Method for Rapid Purification of Soluble Histones**

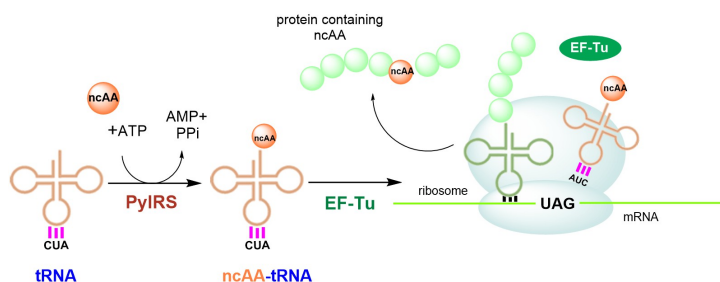
Nives Ivić, Bernhard Groschup, Silvija Bilokapić,
Mario Halić

Croat. Chem. Acta **2016**, 89(2), 153–162
DOI: 10.5562/cca2806



Pyrrolysyl-tRNA Synthetase, an Aminoacyl-tRNA Synthetase for Genetic Code Expansion

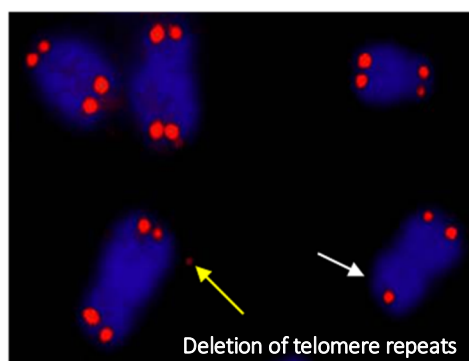
Ana Crnković, Tateki Suzuki, Dieter Söll, Noah M. Reynolds



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DOI: 10.5562/cca2825

Extrachromosomal DNA in Genome (in)Stability – Role of Telomeres

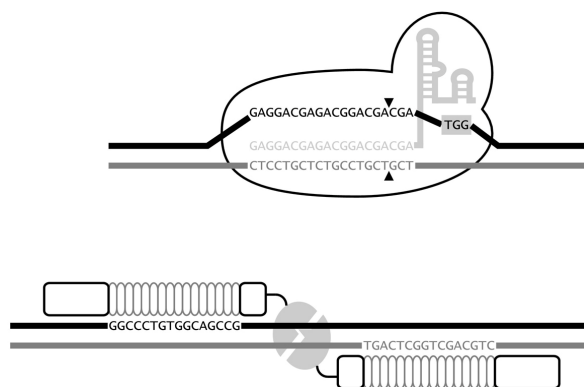
Lucia Nanić, Sanda Ravlić, Ivica Rubelj



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DOI: 10.5562/cca2841

Genome Editing Tools for Functional Analysis of *HNF1A* and *IL6ST* Genes

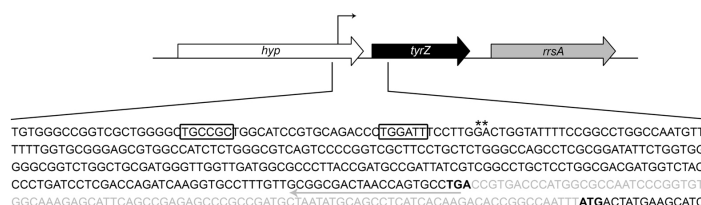
Paula Dobrinić, Vanja Tadić, Luka Bočkor, Dora Markulin, Mihaela Tremški, Vlatka Zoldoš, Aleksandar Vojta



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DOI: 10.5562/cca2859

A Tyrosine-Dependent Riboswitch Controls the Expression of a Tyrosyl-tRNA Synthetase from *Acidithiobacillus ferrooxidans*

Paula Bustamante, Oriana Salazar, Héctor Garcías-Papayani, Pamela Alamos, Omar Orellana

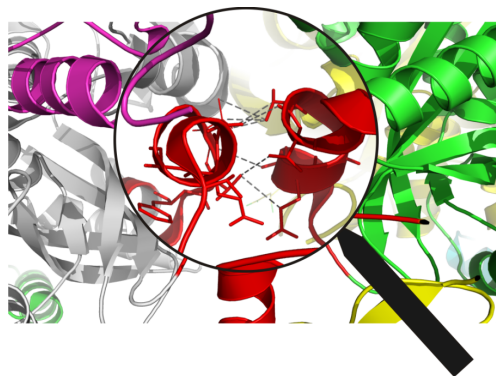


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DOI: 10.5562/cca2832

Can Crystal Symmetry and Packing Influence the Active Site Conformation of Homohexameric Purine Nucleoside Phosphorylases?

Marija Luić, Zoran Štefanić

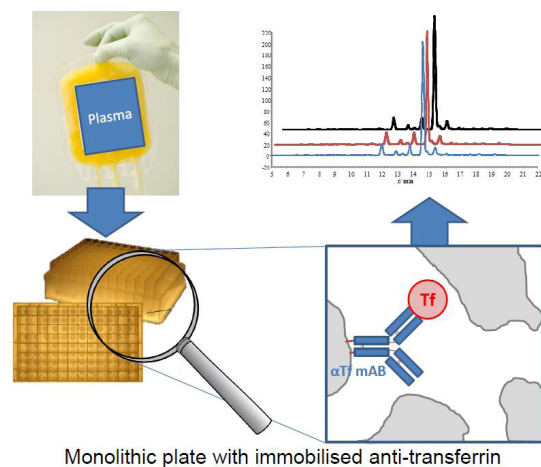
Croat. Chem. Acta **2016**, *89*(2), 197–202
DOI: 10.5562/cca2872



Chromatographic Monoliths for High-Throughput Immunoaffinity Isolation of Transferrin from Human Plasma

Irena Trbojević-Akmačić, Blaž Nemeč, Urška Vidic, Suzana Malić, Karmela Miklič, Urh Černigoj, Jana Vidič, Nika Lendero Krajnc, Aleš Štrancar, Gordan Lauc, Tihana Lenac Roviš, Maja Pučić-Baković

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Monolithic plate with immobilised anti-transferrin

Non-linear Optimization of Parameters in Hill Kinetics

Željko Jeričević

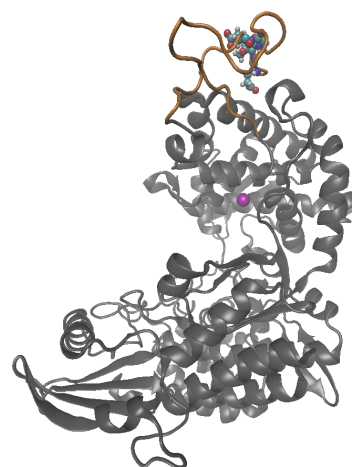
$$\sum_{i=1}^N \delta_i^2 = \sum_{i=1}^N \left(v_i - \frac{V_{\max} S_i^n}{K_d + S_i^n} \right)^2 \stackrel{S^n=X}{\Rightarrow} \sum_{i=1}^N \delta_i^2 = \sum_{i=1}^N \left(v_i - \frac{V_{\max} X_i}{K_d + X_i} \right)^2$$

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DOI: 10.5562/cca2863

Human DPP III – Keap1 Interactions: a Combined Experimental and Computational Study

Mario Gundić, Antonija Tomić, Rebecca C. Wade, Mihaela Matovina, Zrinka Karačić, Saša Kazazić, Sanja Tomić

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DOI: 10.5562/cca2916



Structure and Stability of FlgD from the Pathogenic 26695 Strain of *Helicobacter pylori*

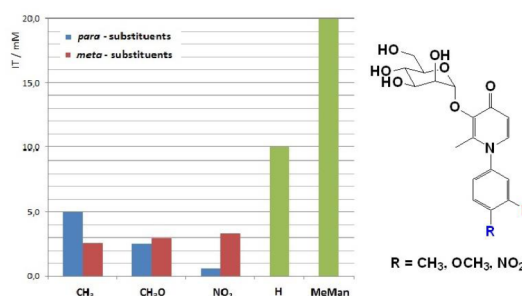
Ivana Kekez, Laura Cendron, Mario Stojanović, Giuseppe Zanotti, Dubravka Matković-Čalogović



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Comparison of Inhibitory Activities of *meta* and *para* Substituted *N*-aryl 3-Hydroxypyridin-4-one Mannosides Towards Type 1 Fimbriated *E. coli*

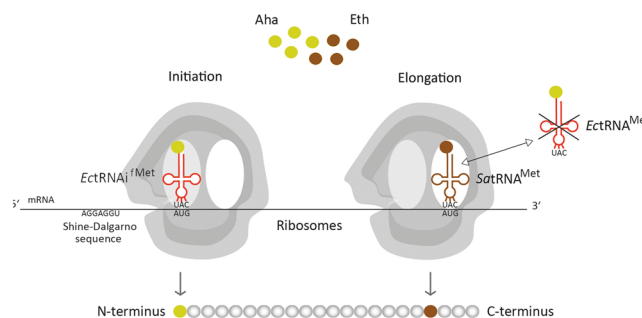
Vesna Petrović Peroković, Rosana Ribić, Željka Car, Srđanka Tomić



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Towards Reassignment of the Methionine Codon AUG to Two Different Noncanonical Amino Acids in Bacterial Translation

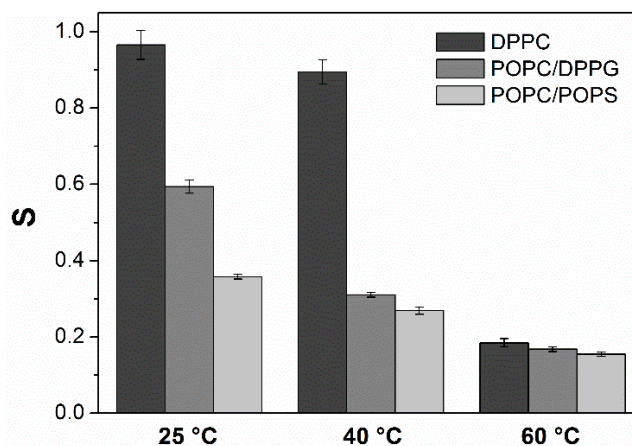
Alessandro De Simone, Carlos G. Acevedo-Rocha, Michael Georg Hoesl, Nediljko Budisa



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DOI: 10.5562/cca2915

Interaction of α -Synuclein with Negatively Charged Lipid Membranes Monitored by Surface Plasmon Resonance

Katja Pirc, Vesna Hodnik, Nataša Poklar Ulrih, Gregor Anderluh



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REVIEWS

**Seryl-tRNA Synthetases in
Translation and Beyond**

Marko Močibob, Jasmina Rokov-Plavec,
Vlatka Godinić-Mikulčić, Ita Gruić-Sovulj

Croat. Chem. Acta **2016**, *89*(2), 261–276
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