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Articles selected by Faculty *of* **1000**: proteomics of PH domains; machine-learning prediction of RNA-binding proteins; coated vesicle proteomics; classifying protein domain combinations; amino acid usage within proteomes

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Summary

A selection of evaluations from Faculty *of* **1000** covering the proteomics of PH domains; machine-learning prediction of RNA-binding proteins; coated vesicle proteomics; classifying protien domain combinations; amino acid usage within proteomes.

Proteomics of PH domains

Genome-Wide Analysis of Membrane Targeting by S. cerevisiae Pleckstrin Homology Domains. Yu JW, Mendrola JM, Audhya A, Singh S, Keleti D, DeWald DB, Murray D, Emr SD, Lemmon MA. *Mol Cell* 2004, **13:**677-688.

For the Faculty of 1000 evaluation of this article please see: http://genomebiology.com/reports/F1000/gb-2004-5-4-321.asp#Yu

Machine-learning prediction of RNA-binding proteins

Prediction of RNA-binding proteins from primary sequence by a support vector machine approach. Han LY, Cai CZ, Lo SL, Chung MC, Chen YZ. *RNA* 2004, **10:**355-368.

For the Faculty of 1000 evaluation of this article please see: http://genomebiology.com/reports/F1000/gb-2004-5-4-321.asp#Han

Coated vesicle proteomics

Tandem MS analysis of brain clathrin-coated vesicles reveals their critical involvement in synaptic vesicle recycling. Blondeau F, Ritter B, Allaire PD, Wasiak S, Girard M, Hussain NK, Angers A, Legendre-Guillemin V, Roy L, Boismenu D, Kearney RE, Bell AW, Bergeron JJ, McPherson PS. *Proc Natl Acad Sci USA* 2004, March 8.

For the Faculty of 1000 evaluation of this article please see: http://genomebiology.com/reports/F1000/gb-2004-5-4-321.asp#Blondeau

Classifying protein domain combinations

Supra-domains: Evolutionary Units Larger than Single Protein Domains. Vogel C, Berzuini C, ... , Gough J, Teichmann SA. *J Mol Biol* 2004, **336:**809-823.

For the Faculty of 1000 evaluation of this article please see: http://genomebiology.com/reports/F1000/gb-2004-5-4-321.asp#Vogel

Amino acid usage within proteomes

Intimate evolution of proteins. Proteome atomic content correlates with genome base composition. Baudouin-Cornu P, Schuerer K, Marlière P, Thomas D *J Biol Chem* 2004, **279:**5421-5428.

For the Faculty of 1000 evaluation of this article please see: http://genomebiology.com/reports/F1000/gb-2004-5-4-321.asp#Baudouin-Cornu