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Articles selected by Faculty of **1000**: detecting metalloproteins; microRNA expression profiles; *Thermotoga* genome plasticity; circadian clock systems biology; new non-coding RNA genes

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Summary

Detecting metalloproteins; microRNA expression profiles; *Thermotoga* genome plasticity; circadian clock systems biology; new non-coding RNA genes

Detecting metalloproteins

A high throughput method for the detection of metalloproteins on a microgram scale. Högbom M, Ericsson UB, Lam R, Bakali H MA, Kuznetsova E, Nordlund P, Zamble DB. *Mol Cell Proteomics* 2005, **4**:827-834.

For the Faculty of 1000 evaluation of this article please see: <http://genomebiology.com/reports/F1000/gb-2005-6-8-340.asp#Hogbom>

microRNA expression profiles

The developmental miRNA profiles of zebrafish as determined by small RNA cloning. Chen PY, Manninga H, Slanchev K, Chien M, Russo JJ, Ju J, Sheridan R, John B, Marks DS, Gaidatzis D, Sander C, Zavolan M, Tuschl T. *Genes Dev* 2005, **19**:1288-1293.

For the Faculty of 1000 evaluation of this article please see: <http://genomebiology.com/reports/F1000/gb-2005-6-8-340.asp#Chen>

Thermotoga genome plasticity

Gene transfer and genome plasticity in *Thermotoga maritima*, a model hyperthermophilic species. Mongodin EF, Hance IR, Deboy RT, Gill SR, Daugherty S, Huber R, Fraser CM, Stetter K, Nelson KE. *J Bacteriol* 2005, **187**:4935-4944.

For the Faculty of 1000 evaluation of this article please see: <http://genomebiology.com/reports/F1000/gb-2005-6-8-340.asp#Mongodin>

Circadian clock systems biology

Extension of a genetic network model by iterative experimentation and mathematical analysis. Locke JCW, Southern MM, Kozma-Bognár L, Hibberd V, Brown PE, Turner MS, Millar AJ. *Mol Syst Biol* 2005, doi: 10.1038/msb4100018.

For the Faculty of 1000 evaluation of this article please see: <http://genomebiology.com/reports/F1000/gb-2005-6-8-340.asp#Locke>

New non-coding RNA genes

Orphan transcripts in *Arabidopsis thaliana*: identification of several hundred previously unrecognized genes. Riaño-Pachón DM, Dreyer I, Mueller-Roeber B. *Plant J* 2005, **43**:205-212.

For the Faculty of 1000 evaluation of this article please see: <http://genomebiology.com/reports/F1000/gb-2005-6-8-340.asp#Riano-Pachon>