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Articles selected by Faculty of **1000**: *Arabidopsis* transcription activity analysis; yeast mitochondrial proteome; metabolomic survey in *Bacillus subtilis*; *Nanoarchaeum equitans* genome sequence; screen for metastatic behavior in *Drosophila*

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Arabidopsis transcription activity analysis

A selection of evaluations from Faculty of 1000 covering an analysis of transcription activity in *Arabidopsis*, identification of proteins associated with *Saccharomyces cerevisiae* mitochondria, a metabolomic survey in *Bacillus subtilis*, the genome sequence of *Nanoarchaeum equitans* and a screen for metastatic behavior in *Drosophila*.

Empirical analysis of transcriptional activity in the *Arabidopsis* genome. Yamada K, Lim J, Dale JM, Chen H, Shinn P, Palm CJ, Southwick AM, Wu HC, Kim C, Nguyen M, *et al.* *Science* 2003, **302**:842-846.

For the Faculty of 1000 evaluation of this article please see: <http://genomebiology.com/reports/F1000/gb-2003-5-1-305.asp#Yamada>

Yeast mitochondrial proteome

The proteome of *Saccharomyces cerevisiae* mitochondria. Sickmann A, Reinders J, Wagner Y, Joppich C, Zahedi R, Meyer HE, Schonfisch B, Perschil I, Chacinska A, Guiard B, *et al.* *Proc Natl Acad Sci U S A* 2003, Oct 23.

For the Faculty of 1000 evaluation of this article please see: <http://genomebiology.com/reports/F1000/gb-2003-5-1-305.asp#Sickmann>

Metabolomic survey in *Bacillus subtilis*

Quantitative metabolome analysis using capillary electrophoresis mass spectrometry. Soga T, Ohashi Y, Ueno Y, Naraoka H, Tomita M, Nishioka T. *J Proteome Res* 2003, **2**:488-494.

For the Faculty of 1000 evaluation of this article please see: <http://genomebiology.com/reports/F1000/gb-2003-5-1-305.asp#Soga>

Nanoarchaeum equitans genome sequence

The genome of *Nanoarchaeum equitans* : insights into early archaeal evolution and derived parasitism. Waters E, Hohn MJ, Ahel I, Graham DE, Adams MD, Barnstead M, Beeson KY, Bibbs L, Bolanos R, Keller M, *et al.* *Proc Natl Acad Sci U S A* 2003, **100**:12984-12988.

For the Faculty of 1000 evaluation of this article please see: <http://genomebiology.com/reports/F1000/gb-2003-5-1-305.asp#Waters>

Screen for metastatic behavior in *Drosophila*

A genetic screen in *Drosophila* for metastatic behavior. Pagliarini RA, Xu T. *Science* 2003, **302**:1227-1231.

For the Faculty of 1000 evaluation of this article please see: <http://genomebiology.com/reports/F1000/gb-2003-5-1-305.asp#Pagliarini>