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Articles selected by Faculty of 1000: *Streptomyces* metabolism; diversity of Entamoeba transposons; *Arabidopsis* polymorphism pattern; miRNA effect on plant transcriptome; energy costs of gene duplications

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### Summary

*Streptomyces* metabolism; diversity of Entamoeba transposons; *Arabidopsis* polymorphism pattern; miRNA effect on plant transcriptome; energy costs of gene duplications

## *Streptomyces* metabolism

**Genome-scale analysis of *Streptomyces coelicolor* A3(2) metabolism.** Borodina I, Krabben P, Nielsen J. *Genome Res* 2005, **15**:820-829.

For the Faculty of 1000 evaluation of this article please see: <http://genomebiology.com/reports/F1000/gb-2005-6-7-333.asp#Borodina>

## Diversity of Entamoeba transposons

**Unexpected diversity and differential success of DNA transposons in four species of Entamoeba protozoans.** Pritham EJ, Feschotte C, Wessler SR. *Mol Biol Evol* 2005, May 18.

For the Faculty of 1000 evaluation of this article please see: <http://genomebiology.com/reports/F1000/gb-2005-6-7-333.asp#Pritham>

## *Arabidopsis* polymorphism pattern

**The pattern of polymorphism in *Arabidopsis thaliana*.** Nordborg M, Hu TT, Ishino Y, Jhaveri J, Toomajian C, Zheng H, Bakker E, Calabrese P, Gladstone J, Goyal R, et al. *PLoS Biol* 2005, **3**:e196.

For the Faculty of 1000 evaluation of this article please see: <http://genomebiology.com/reports/F1000/gb-2005-6-7-333.asp#Nordborg>

## miRNA effect on plant transcriptome

**Specific effects of microRNAs on the plant transcriptome.** Schwab R, Palatnik JF, Riester M, Schommer C, Schmid M, Weigel D. *Dev Cell* 2005, **8**:517-527.

For the Faculty of 1000 evaluation of this article please see: <http://genomebiology.com/reports/F1000/gb-2005-6-7-333.asp#Schwab>

## Energy costs of gene duplications

**Energy constraints on the evolution of gene expression.** Wagner A. *Mol Biol Evol* 2005, **22**:1365-1374.

For the Faculty of 1000 evaluation of this article please see: <http://genomebiology.com/reports/F1000/gb-2005-6-7-333.asp#Wagner>