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Summary

A selection of evaluations from Faculty of 1000 covering the complete genome sequence of *Neurospora crassa*, a genome-wide screen for human c-Myc target genes, a prokaryote genome annotation database, an analysis of marine eukaryote diversity and regulation of transcription by a pseudogene.

Neurospora crassa genome sequence

The genome sequence of the filamentous fungus *Neurospora crassa*. Galagan JE, Calvo SE, Borkovich KA, Selker EU, Read ND, Jaffe D, FitzHugh W, Ma LJ, Smirnov S, Purcell S, *et al.* *Nature* 2003, **422**:859-868.

For the Faculty of 1000 evaluation of this article please see: <http://genomebiology.com/reports/F1000/gb-2003-4-6-326.asp#Galagan>

Human c-Myc target genes

Genomic targets of the human c-Myc protein. Fernandez PC, Frank SR, Wang L, Schroeder M, Liu S, Greene J, Cocito A, Amati B. *Genes Dev* 2003, **17**:1115-1129.

For the Faculty of 1000 evaluation of this article please see: <http://genomebiology.com/reports/F1000/gb-2003-4-6-326.asp#Fernandez>

Prokaryote genome annotation database

GenDB--an open source genome annotation system for prokaryote genomes. Meyer F, Goesmann A, McHardy AC, Bartels D, Bekel T, Clausen J, Kalinowski J, Linke B, Rupp O, Giegerich R, Pühler A. *Nucleic Acids Res* 2003, **31**:2187-2195.

For the Faculty of 1000 evaluation of this article please see: <http://genomebiology.com/reports/F1000/gb-2003-4-6-326.asp#Meyer>

Diversity of marine eukaryotes

Novel eukaryotic lineages inferred from small-subunit rRNA analyses of oxygen-depleted marine environments. Stoeck T, Epstein S. *Appl Environ Microbiol* 2003, **69**:2657-2663.

For the Faculty of 1000 evaluation of this article please see: <http://genomebiology.com/reports/F1000/gb-2003-4-6-326.asp#Stoeck>

Transcriptional regulation by a pseudogene

An expressed pseudogene regulates the messenger-RNA stability of its homologous coding gene. Hirotsune S, Yoshida N, Chen A, Garrett L, Sugiyama F, Takahashi S, Yagami K, Wynshaw-Boris A, Yoshiki A. *Nature* 2003, **423**:91-96.

For the Faculty of 1000 evaluation of this article please see: <http://genomebiology.com/reports/F1000/gb-2003-4-6-326.asp#Hirotsune>