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Summary

Angiosperm relationships; chemoreceptor diversity; antibiotic-resistance genes; horizontal transfer in yeasts; centriole proteome

Angiosperm relationships

Identifying the basal angiosperm node in chloroplast genome phylogenies: sampling one's way out of the Felsenstein zone. Leebens-Mack J, Raubeson LA, Cui L, Kuehl JV, Fourcade MH, Chumley TW, Boore JL, Jansen RK, Depamphilis CW. *Mol Biol Evol* 2005, June 8.

For the Faculty of 1000 evaluation of this article please see: <http://genomebiology.com/reports/F1000/gb-2005-6-8-339.asp#Leebens-Mack>

Chemoreceptor diversity

High genetic diversity in the chemoreceptor superfamily of *Caenorhabditis elegans*. Stewart MK, Clark NL, Merrihew G, Galloway EM, Thomas JH. *Genetics* 2005, **169**:1985-1996.

For the Faculty of 1000 evaluation of this article please see: <http://genomebiology.com/reports/F1000/gb-2005-6-8-339.asp#Stewart>

Antibiotic-resistance genes

Microarray-based detection of 90 antibiotic resistance genes of gram-positive bacteria. Perreten V, Vorlet-Fawer L, Slickers P, Ehrlich R, Kuhnert P, Frey J. *J Clin Microbiol* 2005, **43**:2291-302.

For the Faculty of 1000 evaluation of this article please see: <http://genomebiology.com/reports/F1000/gb-2005-6-8-339.asp#Perreten>

Horizontal transfer in yeasts

Contribution of horizontal gene transfer to the evolution of *Saccharomyces cerevisiae* . Hall C, Brachat S, Dietrich FS. *Eukaryot Cell* 2005, **4**:1102-1115.

For the Faculty of 1000 evaluation of this article please see: <http://genomebiology.com/reports/F1000/gb-2005-6-8-339.asp#Hall>

Centriole proteome

Proteomic analysis of isolated chlamydomonas centrioles reveals orthologs of ciliary-disease genes. Keller LC, Romijn EP, Zamora I, Yates JR, Marshall WF. *Curr Biol* 2005, **15**:1090-1098.

For the Faculty of 1000 evaluation of this article please see: <http://genomebiology.com/reports/F1000/gb-2005-6-8-339.asp#Keller>