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### Summary

Profiling honeybee brains; phylogenetic analysis in legumes; marine and freshwater bacterioplankton transcriptomes; RNA secondary structure prediction; unraveling the tissue origin of cancer samples

## Profiling honeybee brains

**Behavior and the limits of genomic plasticity: power and replicability in microarray analysis of honeybee brains.** Cash AC, Whitfield CW, Ismail N, Robinson GE. *Genes Brain Behav* 2005, **4**:267-271.

For the Faculty of 1000 evaluation of this article please see: <http://genomebiology.com/reports/F1000/gb-2005-6-9-345.asp#Cash>

## Phylogenetic analysis in legumes

**Placing paleopolyploidy in relation to taxon divergence: a phylogenetic analysis in legumes using 39 gene families.** Pfeil BE, Schlueter JA, Shoemaker RC, Doyle JJ. *Syst Biol* 2005, **54**:441-454.

For the Faculty of 1000 evaluation of this article please see: <http://genomebiology.com/reports/F1000/gb-2005-6-9-345.asp#Pfeil>

## Marine and freshwater bacterioplankton transcriptomes

**Analysis of microbial gene transcripts in environmental samples.** Poretsky RS, Bano N, Buchan A, Leclair G, Kleikemper J, Pickering M, Pate WM, Moran MA, Hollibaugh JT. *Appl Environ Microbiol* 2005, **71**:4121-4126.

For the Faculty of 1000 evaluation of this article please see: <http://genomebiology.com/reports/F1000/gb-2005-6-9-345.asp#Poretsky>

## RNA secondary structure prediction

**RNA secondary structure prediction by centroids in a Boltzmann weighted ensemble.** Ding Y, Chan CY, Lawrence CE. *RNA* 2005, **11**:1157-1166.

For the Faculty of 1000 evaluation of this article please see: <http://genomebiology.com/reports/F1000/gb-2005-6-9-345.asp#Ding>

## Unraveling the tissue origin of cancer samples

**Interpreting expression profiles of cancers by genome-wide survey of breadth of expression in normal tissues.** Ge X, Yamamoto S, Tsutsumi S, Midorikawa Y, Ihara S, Wang SM, Aburatani H. *Genomics* 2005, **86**:127-141.

For the Faculty of 1000 evaluation of this article please see: <http://genomebiology.com/reports/F1000/gb-2005-6-9-345.asp#Ge>