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Articles selected by Faculty *of 1000*: culturing novel soil bacteria; profiling biofilm formation; regulatory role for miRNA:miRNA duplexes; synthesis of combinatorial libraries; phylogenetic analysis of coelomata

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### Summary

A selection of evaluations from Faculty of 1000 culturing novel soil bacteria, profiling biofilm formation, a regulatory role for miRNA:miRNA duplexes, synthesis of combinatorial libraries and a phylogenetic analysis of coelomata

## Culturing novel soil bacteria

**Laboratory cultivation of widespread and previously uncultured soil bacteria.** Joseph SJ, Hugenholtz P, Sangwan P, Osborne CA, Janssen PH. *Appl Environ Microbiol* 2003, **69**:7210-7215.

For the Faculty of 1000 evaluation of this article please see: <http://genomebiology.com/reports/F1000/gb-2004-5-3-317.asp#Joseph>

## Profiling biofilm formation

**Global impact of mature biofilm lifestyle on *Escherichia coli* K-12 gene expression.** Beloin C, Valle J, Latour-Lambert P, Faure P, Kzreminski M, Balestrino D, Haagensen JA, Molin S, Prensier G, Arbeille B, Ghigo JM. *Mol Microbiol* 2004, **51**:659-674.

For the Faculty of 1000 evaluation of this article please see: <http://genomebiology.com/reports/F1000/gb-2004-5-3-317.asp#Beloin>

## Regulatory role for miRNA:miRNA duplexes

**Complementary miRNA pairs suggest a regulatory role for miRNA:miRNA duplexes.** Lai EC, Wiel C, Rubin GM. *RNA* 2004, **10**:171-175.

For the Faculty of 1000 evaluation of this article please see: <http://genomebiology.com/reports/F1000/gb-2004-5-3-317.asp#Lai>

## Synthesis of combinatorial libraries

**2D and 3D spatially addressed arrays for high-throughput automated synthesis of combinatorial libraries.** Patek M, Safar P, Smrcina M, Wegrzyniak E, Bjergarde K, Weichsel A, Strop P. *J Comb Chem* 2004, **6**:43-49.

For the Faculty of 1000 evaluation of this article please see: <http://genomebiology.com/reports/F1000/gb-2004-5-3-317.asp#Patek>

## Phylogenetic analysis of coelomata

**Coelomata and not ecdysozoa: evidence from genome-wide phylogenetic analysis.** Wolf YI, Rogozin IB, Koonin EV. *Genome Res* 2004, **14**:29-36.

For the Faculty of 1000 evaluation of this article please see: <http://genomebiology.com/reports/F1000/gb-2004-5-3-317.asp#Wolf>