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Articles selected by Faculty of **1000**: *Xenopus* embryo gene expression patterns; detecting SNPs; *Arabidopsis* circadian clock mutations; *Deinococcus* radiation resistant genes; *Mycobacterium* drug resistance

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Summary

A selection of evaluations from Faculty of 1000 covering gene expression patterns in the *Xenopus* embryo; detecting SNPs; circadian clock mutations in *Arabidopsis*; radiation resistant genes in *Deinococcus*; *Mycobacterium* drug resistance.

Xenopus embryo gene expression patterns

Refinement of gene expression patterns in the early *Xenopus* embryo. Wardle FC, Smith JC. *Development* 2004, **131**:468-496.

For the Faculty of 1000 evaluation of this article please see: <http://genomebiology.com/reports/F1000/gb-2004-5-11-355.asp#Wardle>

Detecting SNPs

Single-nucleotide-specific PNA-peptide ligation on synthetic and PCR DNA templates. Ficht S, Mattes A, Seitz O. *J Am Chem Soc* 2004, **126**:9970-9981.

For the Faculty of 1000 evaluation of this article please see: <http://genomebiology.com/reports/F1000/gb-2004-5-11-355.asp#Ficht>

Arabidopsis circadian clock mutations

Large-scale screening of *Arabidopsis* circadian clock mutants by a high-throughput real-time bioluminescence monitoring system. Onai K, Okamoto K, Nishimoto H, Morioka C, Hirano M, Kamiike N, Ishiura M. *Plant J* 2004, **40**:1-11.

For the Faculty of 1000 evaluation of this article please see: <http://genomebiology.com/reports/F1000/gb-2004-5-11-355.asp#Onai>

Deinococcus radiation resistant genes

Preserving genome integrity: the DdrA protein of *Deinococcus radiodurans* R1. Harris DR, Tanaka M, Saveliev SV, Jolivet E, Earl AM, Cox MM, Battista JR. *Plos Biol* 2004, **2**:E304.

For the Faculty of 1000 evaluation of this article please see: <http://genomebiology.com/reports/F1000/gb-2004-5-11-355.asp#Harris>

Mycobacterium drug resistance

Silent nucleotide polymorphisms and a phylogeny for *Mycobacterium tuberculosis*. Baker L, Brown T, Maiden MC, Drobniowski F. *Emerging Infectious Diseases* 2004, **10**:1568-1577.

For the Faculty of 1000 evaluation of this article please see: <http://genomebiology.com/reports/F1000/gb-2004-5-11-355.asp#Baker>