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Articles selected by Faculty of **1000**: estimating linkage disequilibrium; nematode-induced gene expression in *Arabidopsis*; vertebrate microRNA genes; human antisense transcription; protein arrays from PCR DNA

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Estimating linkage disequilibrium

A selection of evaluations from Faculty of 1000 covering the extent of linkage disequilibrium in the human genome, nematode-induced gene expression in *Arabidopsis*, identification of microRNA genes in human, mouse and pufferfish genomes, antisense transcription in the human genome and generation of protein arrays from PCR DNA.

Chromosome-wide distribution of haplotype blocks and the role of recombination hot spots.

Phillips MS, Lawrence R, Sachidanandam R, Morris AP, Balding DJ, Donaldson MA, Studebaker JF, Ankener WM, Alfisi SV, Kuo FS, *et al. Nat Genet* 2003, **33**:382-387.

For the Faculty of 1000 evaluation of this article please see: <http://genomebiology.com/reports/F1000/gb-2003-4-5-321.asp#Phillips>

Nematode-induced gene expression in *Arabidopsis*

***Arabidopsis* gene expression changes during cyst nematode parasitism revealed by statistical analyses of microarray expression profiles.** Puthoff DP, Nettleton D, Rodermel SR, Baum TJ. *Plant J* 2003, **33**:911-921.

For the Faculty of 1000 evaluation of this article please see: <http://genomebiology.com/reports/F1000/gb-2003-4-5-321.asp#Puthoff>

Vertebrate microRNA genes

Vertebrate microRNA genes. Lim LP, Glasner ME, Yekta S, Burge CB, Bartel DP. *Science* 2003, **299**:1540.

For the Faculty of 1000 evaluation of this article please see: <http://genomebiology.com/reports/F1000/gb-2003-4-5-321.asp#Lim>

Human antisense transcription

Widespread occurrence of antisense transcription in the human genome. Yelin R, Dahary D, Sorek R, Levanon EY, Goldstein O, Shoshan A, Diber A, Biton S, Tamir Y, Khosravi R, *et al.* *Nat Biotechnol* 2003, **21**:379-86.

For the Faculty of 1000 evaluation of this article please see: <http://genomebiology.com/reports/F1000/gb-2003-4-5-321.asp#Yelin>

Protein arrays from PCR DNA

DiscernArray technology: a cell-free method for the generation of protein arrays from PCR DNA. He M, Taussig MJ. *J Immunol Methods* 2003, **274**:265-270.

For the Faculty of 1000 evaluation of this article please see: <http://genomebiology.com/reports/F1000/gb-2003-4-5-321.asp#He>