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Articles selected by Faculty *of* **1000**: predicting worm 3' ends; mapping cohesins; pentatricopeptide review; environmental genomics of the rumen; new flatworm transposons

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Predicting worm 3' ends

A selection of evaluations from Faculty *of* **1000** covering the prediction of worm 3' ends; the mapping of cohesins; a pentatricopeptide review; environmental genomics of the rumen; new flatworm transposons.

A probabilistic model of 3' end formation in *Caenorhabditis elegans* . Hajarnavis A, Korf I, Durbin R. *Nucleic Acids Res* 2004, **32:**3392-3399.

For the Faculty of 1000 evaluation of this article please see: http://genomebiology.com/reports/F1000/gb-2004-5-10-350.asp#Hajarnavis

Mapping cohesins

Genome-wide mapping of the cohesin complex in the yeast *Saccharomyces cerevisiae* . Glynn EF, Megee PC, Yu HG, Mistrot C, Unal E, Koshland DE, DeRisi JL, Gerton JL. *PLoS Biol* 2004, **2:**E259.

For the Faculty of 1000 evaluation of this article please see: http://genomebiology.com/reports/F1000/gb-2004-5-10-350.asp#Glynn

Pentatricopeptide review

Genome-wide analysis of *Arabidopsis* pentatricopeptide repeat proteins reveals their essential role in organelle biogenesis. Lurin C, Andrés C, Aubourg S, Bellaoui M, Bitton F, Bruyère C, Caboche M, Debast C, Gualberto J, Hoffmann B, *et al*. *Plant Cell* 2004, **16:**2089-2103.

For the Faculty of 1000 evaluation of this article please see: http://genomebiology.com/reports/F1000/gb-2004-5-10-350.asp#Lurin

Environmental genomics of the rumen

Suppressive subtractive hybridization as a tool for identifying genetic diversity in an environmental metagenome: the rumen as a model. Galbraith EA, Antonopoulos DA, White BA. *Environ Microbiol* 2004, **6:**928-937.

For the Faculty of 1000 evaluation of this article please see: http://genomebiology.com/reports/F1000/gb-2004-5-10-350.asp#Galbraith

New flatworm transposons

Merlin, a new superfamily of DNA transposons identified in diverse animal genomes and related to bacterial IS1016 insertion sequences. Feschotte C. *Mol Biol Evol* 2004, **21:**1769-1780.

For the Faculty of 1000 evaluation of this article please see: http://genomebiology.com/reports/F1000/gb-2004-5-10-350.asp#Feschotte