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Articles selected by Faculty *of 1000*: human and chimp methylation patterns; activity-based protein profiling; transcriptional activator targets identified by FRET; onion ESTs; gene organization and mutation rates

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## Human and chimp methylation patterns

A selection of evaluations from Faculty of 1000 covering human and chimp methylation patterns, activity-based protein profiling, transcriptional activator targets identified by FRET, a set of onion ESTs and gene organization and mutation rates.

**Differences in DNA methylation patterns between humans and chimpanzees.** Enard W, Fassbender A, ... , Pääbo S, Olek A. *Curr Biol* 2004, **14**:R148-R149.

For the Faculty of 1000 evaluation of this article please see: <http://genomebiology.com/reports/F1000/gb-2004-5-4-320.asp#Enard>

## Activity-based protein profiling

**Mapping enzyme active sites in complex proteomes.** Adam GC, Burbaum J, Kozarich JW, Patricelli MP, Cravatt BF. *J Am Chem Soc* 2004, **126**:1363-1368.

For the Faculty of 1000 evaluation of this article please see: <http://genomebiology.com/reports/F1000/gb-2004-5-4-320.asp#Adam>

## Transcriptional activator targets identified by FRET

**In vivo target of a transcriptional activator revealed by fluorescence resonance energy transfer.** Bhaumik SR, Raha T, Aiello DP, Green MR. *Genes Dev* 2004, **18**:333-343.

For the Faculty of 1000 evaluation of this article please see: <http://genomebiology.com/reports/F1000/gb-2004-5-4-320.asp#Bhaumik>

# Onion ESTs

**A unique set of 11,008 onion expressed sequence tags reveals expressed sequence and genomic differences between the monocot orders Asparagales and Poales.** Kuhl JC, Cheung F, Yuan Q, Martin W, Zewdie Y, McCallum J, Catanach A, Rutherford P, Sink KC, Jenderek M, *et al.* *Plant Cell* 2004, **16**:114-125.

For the Faculty of 1000 evaluation of this article please see: <http://genomebiology.com/reports/F1000/gb-2004-5-4-320.asp#Kuhl>

# Gene organization and mutation rates

**Functional bias and spatial organization of genes in mutational hot and cold regions in the human genome.** Chuang JH, Li H. *PLoS Biol* 2004, **2**:E29.

For the Faculty of 1000 evaluation of this article please see: <http://genomebiology.com/reports/F1000/gb-2004-5-4-320.asp#Chuang>