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Articles selected by Faculty *of 1000*: microarrays to study antibiotic resistance; identifying SUMO substrate proteins; parallel SNP genotyping; intron origin and evolution; variation in CpG-island methylation in humans

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Summary

A selection of evaluations from Faculty of 1000 covering microarrays to study antibiotic resistance, identifying SUMO substrate proteins, parallel SNP genotyping, intron origin and evolution and variation in CpG-island methylation in humans.

Microarrays to study antibiotic resistance

Aminoglycoside microarrays to study antibiotic resistance. Disney MD, Magnet S, Blanchard JS, Seeberger PH. *Angew Chem Int Ed Engl* 2004, **43**:1591-1594.

For the Faculty of 1000 evaluation of this article please see: <http://genomebiology.com/reports/F1000/gb-2004-5-5-325.asp#Disney>

Identifying SUMO substrate proteins

Broad-spectrum identification of cellular SUMO substrate proteins. Zhao Y, Kwon SW, Anselmo A, Kaur K, White MA. *J Biol Chem* 2004, Mar 11.

For the Faculty of 1000 evaluation of this article please see: <http://genomebiology.com/reports/F1000/gb-2004-5-5-325.asp#Zhao>

Parallel SNP genotyping

Parallel genotyping of over 10,000 SNPs using a one-primer assay on a high-density oligonucleotide array. Matsuzaki H, Loi H, Dong S, Tsai YY, Fang J, Law J, Di X, Liu WM, Yang G, Liu G, *et al. Genome Res* 2004, **14**:414-425.

For the Faculty of 1000 evaluation of this article please see: <http://genomebiology.com/reports/F1000/gb-2004-5-5-325.asp#Matsuzaki>

Intron origin and evolution

Exon junction sequences as cryptic splice sites; implications for intron origin. Sadusky T, Newman AJ, Dibb NJ. *Curr Biol* 2004, **14**:505-509.

For the Faculty of 1000 evaluation of this article please see: <http://genomebiology.com/reports/F1000/gb-2004-5-5-325.asp#Sadusky>

Variation in CpG-island methylation in humans

A comprehensive analysis of allelic methylation status of CpG islands on human chromosome 21q. Yamada Y, Watanabe H, Miura F, Soejima H, Uchiyama M, Iwasaka T, Mukai T, Sakaki Y, Ito T. *Genome Res* 2004, **14**:247-266.

For the Faculty of 1000 evaluation of this article please see: <http://genomebiology.com/reports/F1000/gb-2004-5-5-325.asp#Yamada>