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### Summary

A selection of evaluations from Faculty of 1000 covering chromosomal rearrangements and mental retardation, peptide-MHC microarrays, antimicrobial drug discovery, a core set of *Arabidopsis* accessions and comparing mouse development and human tumorigenesis.

## Chromosomal rearrangements and mental retardation

**Genomic imbalances in mental retardation.** Kriek M, White SJ, Bouma MC, Dauwerse HG, Hansson KB, Nijhuis JV, Bakker B, Van Ommen GJ, Den Dunnen JT, Breuning MH. *J Med Genet* 2004, **41**:249-255.

For the Faculty of 1000 evaluation of this article please see: <http://genomebiology.com/reports/F1000/gb-2004-5-5-326.asp#Kriek>

## Peptide-MHC microarrays

**Detection and characterization of cellular immune responses using peptide-MHC microarrays.** Soen Y, Chen DS, Kraft DL, Davis MM, Brown PO. *PLoS Biol* 2003, **1**:E65.

For the Faculty of 1000 evaluation of this article please see: <http://genomebiology.com/reports/F1000/gb-2004-5-5-326.asp#Soen>

# Antimicrobial drug discovery

**Antimicrobial drug discovery through bacteriophage genomics.** Liu J, Dehbi M, Moeck G, Arhin F, Bauda P, Bergeron D, Callejo M, Ferretti V, Ha N, Kwan T, *et al. Nat Biotechnol* 2004, **22**:185-191.

For the Faculty of 1000 evaluation of this article please see: <http://genomebiology.com/reports/F1000/gb-2004-5-5-326.asp#Liu>

# Core set of *Arabidopsis* accessions

**Nested core collections maximizing genetic diversity in *Arabidopsis*.** McKhann HI, Camilleri C, Bérard A, Bataillon T, David JL, Reboud X, Le Corre V, Caloustian C, Gut IG, Brunel D. *Plant J* 2004, **38**:193-202.

For the Faculty of 1000 evaluation of this article please see: <http://genomebiology.com/reports/F1000/gb-2004-5-5-326.asp#McKhann>

# Comparing mouse development and human tumorigenesis

**Conserved mechanisms across development and tumorigenesis revealed by a mouse development perspective of human cancers.** Kho AT, Zhao Q, Cai Z, Butte AJ, Kim JY, Pomeroy SL, Rowitch DH, Kohane IS. *Genes Dev* 2004, **18**:629-640.

For the Faculty of 1000 evaluation of this article please see: <http://genomebiology.com/reports/F1000/gb-2004-5-5-326.asp#Kho>