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Articles selected by Faculty of **1000** Biology: bacterial chromosome segregation; a protein structure initiative; subcellular plant protein localization; transcriptional reprogramming of atrophic muscle; sex-determined recombination levels.

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#### Summary

A selection of evaluations from Faculty of 1000 Biology covering bacterial chromosome segregation; a protein structure initiative; subcellular plant protein localization; transcriptional reprogramming of atrophic muscle; sex-determined recombination levels.

## Bacterial chromosome segregation

**Dancing around the divisome: asymmetric chromosome segregation in *Escherichia coli*** . Wang X, Possoz C, Sherratt DJ. *Genes Dev* 2005, **19**:2367-2377.

For the Faculty of 1000 Biology evaluation of this article please see: <http://genomebiology.com/reports/F1000/gb-2005-6-11-357.asp#Wang>

## Protein structure initiative

**New York-Structural GenomiX Research Consortium (NYSGXRC): a large scale center for the Protein Structure Initiative.** Bonanno JB, Almo SC, Bresnick A, Chance MR, Fiser A, Swaminathan S, Jiang J, Studier FW, Shapiro L, Lima CD, *et al.* *J Struct Funct Genomics* 2005, **6**:225-232.

For the Faculty of 1000 Biology evaluation of this article please see: <http://genomebiology.com/reports/F1000/gb-2005-6-11-357.asp#Bonanno>

## Subcellular plant protein localization

**Combining experimental and predicted datasets for determination of the subcellular location of proteins in *Arabidopsis*** . Heazlewood JL, Tonti-Filippini J, Verboom RE, Millar AH. *Plant Physiol* 2005, **139**:598-609.

For the Faculty of 1000 Biology evaluation of this article please see: <http://genomebiology.com/reports/F1000/gb-2005-6-11-357.asp#Heazlewood>

## Transcriptional reprogramming of atrophic muscle

**Transcriptional reprogramming during reloading of atrophied rat soleus muscle.** Flück M, Schmutz S, Wittwer M, Hoppeler H, Desplanches D. *Am J Physiol Regul Integr Comp Physiol* 2005, **289**:R4-R14.

For the Faculty of 1000 Biology evaluation of this article please see: <http://genomebiology.com/reports/F1000/gb-2005-6-11-357.asp#Fluck>

## Sex-determined recombination levels

**Sex, not genotype, determines recombination levels in mice.** Lynn A, Schrumpp S, Cherry J, Hassold T, Hunt P. *Am J Hum Genet* 2005, **77**:670-675.

For the Faculty of 1000 Biology evaluation of this article please see: <http://genomebiology.com/reports/F1000/gb-2005-6-11-357.asp#Lynn>