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Articles selected by Faculty of **1000**: p53 gene silencing; duplications in the *Arabidopsis* genome; RNA interference and disease protection; arraying environmental gene diversity; predicting RNA folding patterns.

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## The Author(s)

### Summary

A selection of evaluations from Faculty of 1000 covering p53 gene silencing, *Arabidopsis* genome duplications, RNA interference and disease protection, environmental gene diversity and predicting RNA folding patterns.

## p53 gene silencing

**An epi-allelic series of p53 hypomorphs created by stable RNAi produces distinct tumor phenotypes *in vivo***. Hemann MT, Fridman JS, Zilfou JT, Hernando E, Paddison PJ, Cordon-Cardo C, Hannon GJ, Lowe SW. *Nat Genet* 2003, doi:10.1038/ng1091

For the Faculty of 1000 evaluation of this article please see: <http://genomebiology.com/reports/F1000/gb-2003-4-3-312.asp#Hemann>

## Duplications in the *Arabidopsis* genome

**A recent polyploidy superimposed on older large-scale duplications in the *Arabidopsis* genome.** Blanc G, Hokamp K, Wolfe KH. *Genome Res* 2003, **13**:137-144.

For the Faculty of 1000 evaluation of this article please see: <http://genomebiology.com/reports/F1000/gb-2003-4-3-312.asp#Blanc>

## RNA interference and disease protection

**RNA interference targeting Fas protects mice from fulminant hepatitis.** Song E, Lee SK, Wang J, Ince N, Ouyang N, Min J, Chen J, Shankar P, Lieberman J. *Nat Med* 2003, doi:10.1038/nm828

For the Faculty of 1000 evaluation of this article please see: <http://genomebiology.com/reports/F1000/gb-2003-4-3-312.asp#Song>

## Arraying environmental gene diversity

**Oligonucleotide microarray for the study of functional gene diversity in the nitrogen cycle in the environment.** Taroncher-Oldenburg G, Griner EM, Francis CA, Ward BB. *Appl Environ Microbiol* 2003, **69**:1159-1171.

For the Faculty of 1000 evaluation of this article please see: <http://genomebiology.com/reports/F1000/gb-2003-4-3-312.asp#Taroncher>

## Predicting RNA folding patterns

**Discovering well-ordered folding patterns in nucleotide sequences.** Le SY, Chen JH, Konings D, Maizel JV. *Bioinformatics* 2003 **19**:354-361.

For the Faculty of 1000 evaluation of this article please see: <http://genomebiology.com/reports/F1000/gb-2003-4-3-312.asp#Le>