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## Profiling flowers

A selection of evaluations from Faculty of 1000 covering the profiling of flowers; targeted transgenesis in *Drosophila*; the aging and oxidation in plants; membrane protein localization in *E. coli*; immune responses to siRNAs.

**Genome-wide analysis of spatial gene expression in *Arabidopsis* flowers.** Wellmer F, Riechmann JL, Alves-Ferreira M, Meyerowitz EM. *Plant Cell* 2004, April 20.

For the Faculty of 1000 evaluation of this article please see: <http://genomebiology.com/reports/F1000/gb-2004-5-7-335.asp#Wellmer>

## Targeted transgenesis in *Drosophila*

**Construction of transgenic *Drosophila* by using the site-specific integrase from phage {phi}C31.** Groth AC, Fish M, Nusse R, Calos MP. *Genetics* 2004, **166**:1775-1782.

For the Faculty of 1000 evaluation of this article please see: <http://genomebiology.com/reports/F1000/gb-2004-5-7-335.asp#Groth>

## Aging and oxidation in plants

**Progression and specificity of protein oxidation in the life cycle of *Arabidopsis thaliana*.** Johansson E, Olsson O, Nyström T. *J Biol Chem* 2004, **279**:22204-22208.

For the Faculty of 1000 evaluation of this article please see: <http://genomebiology.com/reports/F1000/gb-2004-5-7-335.asp#Johansson>

# Membrane protein localization in *E. coli*

**Proteomic screening and identification of differentially distributed membrane proteins in *Escherichia coli***. Lai EM, Nair U, Phadke ND, Maddock JR. *Mol Microbiol* 2004, **52**:1029-1044.

For the Faculty of 1000 evaluation of this article please see: <http://genomebiology.com/reports/F1000/gb-2004-5-7-335.asp#Lai>

# Immune response to siRNAs

**Small interfering RNAs mediate sequence-independent gene suppression and induce immune activation by signaling through toll-like receptor 3.** Karikó K, Bhuyan P, Capodici J, Weissman D. *J Immunol* 2004, **172**:6545-6549.

For the Faculty of 1000 evaluation of this article please see: <http://genomebiology.com/reports/F1000/gb-2004-5-7-335.asp#Kariko>