

Volume 86, No. 6, December 2014

ISSN 0167-4412

PLANT MOLECULAR BIOLOGY



Springer

Self-pollinated almond flowers

Plant Molecular Biology

Volume 86 · Number 6 · December 2014

ORIGINAL PAPERS

DWD HYPERSENSITIVE TO UV-B 1 is negatively involved in UV-B mediated cellular responses in *Arabidopsis*
S.-H. Kim · H. Kim · K.-I. Seo · S.-H. Kim · S. Chung · X. Huang · P. Yang · X.W. Deng · J.-H. Lee 571

Processing of the 5'-UTR and existence of protein factors that regulate translation of tobacco chloroplast *psbN* mRNA
H. Kuroda · M. Sugiura 585

A *Brassica napus* PHT1 phosphate transporter, BnPht1;4, promotes phosphate uptake and affects roots architecture of transgenic *Arabidopsis*

F. Ren · C.-Z. Zhao · C.-S. Liu · K.-L. Huang · Q.-Q. Guo · L.-L. Chang · H. Xiong · X.-B. Li 595

***Arabidopsis* drought-induced protein Di19-3 participates in plant response to drought and high salinity stresses**
L.-X. Qin · Y. Li · D.-D. Li · W.-L. Xu · Y. Zheng · X.-B. Li 609

Overproduction of stromal ferredoxin:NADPH oxidoreductase in H₂O₂-accumulating *Brassica napus* leaf protoplasts

R.K. Tewari · M. Satoh · S. Kado · K. Mishina · M. Anma · K. Enami · M. Hanaoka · M. Watanabe 627

Activation tagging of *ATHB13* in *Arabidopsis thaliana* confers broad-spectrum disease resistance

D. Gao · M. Appiano · R.P. Huibers · X. Chen · A.E.H.M. Loonen · R.G.F. Visser · A.-M.A. Wolters · Y. Bai 641

OsCYCP1;1, a PHO80 homologous protein, negatively regulates phosphate starvation signaling in the roots of rice (*Oryza sativa* L.)

M. Deng · B. Hu · L. Xu · Y. Liu · F. Wang · H. Zhao · X. Wei · J. Wang · K. Yi 655

A *Rosa canina* WUSCHEL-related homeobox gene, *RcWOXI*, is involved in auxin-induced rhizoid formation

B. Gao · C. Wen · L. Fan · Y. Kou · N. Ma · L. Zhao 671

Methylation of the *S_f* locus in almond is associated with S-RNase loss of function

A. Fernández i Martí · T.M. Gradziel · R. Socias i Company 681

Cover illustration Self-compatibility (SC) in almond is an important agronomical trait in order to ensure the crop production. In this study, pistil DNA from genetically diverse almond samples was cloned and sequenced and then analyzed for changes affecting *S_f* variants. Epigenetic changes were detected in the SC cultivars but not in the SI ones. DNA methylation appears to be strongly associated with inactivation of the SC allele in almond. (*Plant Molecular Biology* 86, pp. 681–689)

Further articles can be found at link.springer.com

Indexed/abstracted in Science Citation Index, Science Citation Index Expanded (SciSearch), Journal Citation Reports/Science Edition, PubMed/Medline, SCOPUS, EMBASE, Chemical Abstracts Service (CAS), Google Scholar, EBSCO, CSA, CAB International, Academic OneFile, AGRICOLA, Biological Abstracts, BIOSIS, CAB Abstracts, CSA Environmental Sciences, Current Contents/Agriculture, Biology & Environmental Sciences, Current Contents/Life Sciences, Elsevier Biobase, EMBiology, Food Science and Technology Abstracts, Gale, Global Health, International Bibliography of Book Reviews (IBR), International Bibliography of Periodical Literature (IBZ), OCLC, Referativnyi Zhurnal (VINITI), SCImago, Summon by ProQuest, Vitis - Viticulture and Enology Abstracts

Instructions for Authors for *Plant Mol Biol* are available at www.springer.com/11103