

REFERENCE LIST:

2004 (117)

- Adamse P. and Nap J.P. 2004. Wageningen Arabidopsis thaliana Database (WAtDB): a novel resource for plant genome research, Book of abstracts of: Springschool Bioinformatics, Data Triple I: information, integration, interpretation., Wageningen, The Netherlands
- Aharoni A., Dixit S., Jetter R., Thoenes E., van Arkel G. and Pereira A. 2004. The SHINE clade of AP2 domain transcription factors activates wax biosynthesis, alters cuticle properties, and confers drought tolerance when overexpressed in Arabidopsis. *Plant Cell* 16: 2463-2480.
- Aida M., Beis D., Heidstra R., Willemsen V., Blilou I., Galinha C., Nussaume L., Noh Y.S., Amasino R. and Scheres B. 2004. The PLETHORA genes mediate patterning of the Arabidopsis root stem cell niche. *Cell* 119: 109.
- Bai Y., Van der Hulst R., Huang C.C., Wei L., Stam P. and Lindhout P. 2004. Mapping OI-4, a gene conferring resistance to *Oidium neolycopersici* and originating from *Lycopersicon peruvianum* LA2172, requires multi-allelic, single-locus markers. *Theoretical And Applied Genetics* 109: 1215-1223.
- Bai Y.L., Feng X.H., Van der Hulst R. and Lindhout P. 2004. A set of simple PCR markers converted from sequence specific RFLP markers on tomato chromosomes 9 to 12. *Molecular Breeding* 13: 281-287.
- Bai Y. 2004. The genetics and mechanisms of resistance to tomato powdery mildew (*Oidium neolycopersici*) in *Lycopersicon* species, Wageningen University.
- Bakker E., Achenbach U., Bakker J., Van Vliet J., Peleman J., Segers B., Van der Heijden S., Van der Linde P., Graveland R., Hutten R., Van Eck H., Coppoolse E., Van der Vossen E., Bakker J. and Goverse A. 2004. A high-resolution map of the H1 locus harbouring resistance to the potato cyst nematode *Globodera rostochiensis*. *Theoretical And Applied Genetics* 109: 146-152.
- Bakker E.H., Rouppe van der Voort J.N.A.M., Van Eck H.J., Hutten R.C.B., Bakker J. and Goverse A. 2004. Molecular markers for resistance to cyst nematodes in potato. In: Cook R.C. and Hunt D.J. (eds), *Nematology Monographs and Perspectives: Proceedings of the Fourth International Congress of Nematology, Tenerife, Spain 8-13 June 2002*. Brill, Leiden. pp. 211-217.
- Bakker E.H., Van Vliet J., Overmars H.A., Smant G., Sandbrink H., Van der Vossen E.A.G., Bakker J. and Goverse A. 2004. R gene homologues in potato confer resistance to distinct pathogens: a virus and a nematode. In: Cook R.C. and Hunt D.J. (eds), *Nematology Monographs and Perspectives: Proceedings of the Fourth International Congress of Nematology Tenerife, Spain. 8-13 June 2002*. Brill, Leiden. pp. 359-365.
- Bino R.J., Hall R.D., Fiehn O., Kopka J., Saito K., Draper J., Nikolau B.J., Mendes P., Roessner-Tunali U., Beale M.H., Trethewey R.N., Lange B.M., Wurtele E.S. and Sumner L.W. 2004. Potential of metabolomics as a functional genomics tool. *Trends In Plant Science* 9: 418-425.
- Bohman S., Staal J., Thomma B., Wang M.L. and Dixelius C. 2004. Characterisation of an Arabidopsis-*Leptosphaeria maculans* pathosystem: resistance partially requires camalexin biosynthesis and is independent of salicylic acid, ethylene and jasmonic acid signalling. *Plant Journal* 37: 9-20.

- Celis C., Scurrah M., Cowgill S., Chumbiauca S., Green J., Franco J., Main G., Kiezebrink D., Visser R.G.F. and Atkinson H.J. 2004. Environmental biosafety and transgenic potato in a centre of diversity for this crop. *Nature* 432: 222-225.
- Chang S.B. 2004. Cytogenetic and molecular studies on tomato chromosomes using diploid tomato and tomato monosomic additions in tetraploid potato, Wageningen University.
- Clerkx E.J.M., El-Lithy M.E., Vierling E., Ruys G.J., Blankestijn-De Vries H., Groot S.P.C., Vreugdenhil D. and Koornneef M. 2004. Analysis of natural allelic variation of *Arabidopsis* seed germination and seed longevity traits between the accessions *Landsberg erecta* and *Shakdara*, using a new recombinant inbred line population. *Plant Physiology* 135: 432-443.
- Clerkx E.J.M., Blankestijn-De Vries H., Ruys G.J., Groot S.P.C. and Koornneef M. 2004. Genetic differences in seed longevity of various *Arabidopsis* mutants. *Physiologia Plantarum* 121: 448-461.
- De Folter S., Busscher J., Colombo L., Losa A. and Angenent G.C. 2004. Transcript profiling of transcription factor genes during silique development in *Arabidopsis*. *Plant Molecular Biology* 56: 351-366.
- De Jong C.F., Laxalt A.M., Bargmann B.O.R., De Wit P.J.G.M., Joosten M.H.A.J. and Munnik T. 2004. Phosphatidic acid accumulation is an early response in the Cf-4/Avr4 interaction. *Plant Journal* 39: 1-12.
- De Kock M.J.D., Iskander H.M., Brandwagt B.F., Lauge R., De Wit P.J.G.M. and Lindhout P. 2004. Recognition of *Cladosporium fulvum* Ecp2 elicitor by non-host *Nicotiana* spp. is mediated by a single dominant gene that is not homologous to known Cf-genes. *Molecular Plant Pathology* 5: 397-408.
- De Kock M.J.D. 2004. Recognition of the *Cladosporium fulvum* Ecp2 elicitor in tomato and non-host plants, Wageningen University.
- De Maagd R.A. 2004. Biotechnology meets ecology. In: Nap J.P., et al. (eds), *Genomics for Biosafety in Plant Biotechnology*, IOS Press, Amsterdam, The Netherlands. pp. 117-131.
- De Smet L., Pukin A.V., Stork G.A., De Vos C.H.R., Visser G.M., Zuilhof H. and Sudholter E.J.R. 2004. Syntheses of alkenylated carbohydrate derivatives toward the preparation of monolayers on silicon surfaces. *Carbohydrate Research* 339: 2599-2605.
- De Vos M., van Oosten V.R., van Pelt J.A., van Loon L.C., Dicke M. and Pieterse C.M.J. 2004. Herbivore-induced resistance: differential effectiveness against a set of microbial pathogens in *Arabidopsis thaliana*. In: Tikhonovich I., et al. (eds), *Biology of Plant-Microbe Interactions*, The International Society for Molecular Plant-Microbe Interactions, St. Paul. pp. 40-43.
- De Wit P.J.G.M., Brandwagt B.F., Van den Burg H.A., Gabriëls S.H.E.J., Van der Hoorn R.A.L., De Jong C.F., Van t Klooster J.W., De Kock M.J.D., Kruijt M., Luderer R., Munnik T., Stulemeijer I.J.E., Thomma B.P.H.J., Vervoort J.J.M., Westerink N. and Joosten M.H.A.J. 2004. Molecular basis of plant response to microbial invasion. In: Tikhonovich I., et al. (eds), *Proceedings of the 11th International Congress on Molecular Plant-Microbe Interactions*, St.-Petersburg, Russia. 18-26 July 2003. Intern. Soc. for Molecular Plant-Microbe Interactions, St. Paul, Minnesota, USA. pp. 203-207.

- Dekkers B.J.W., Schuurmans J. and Smeekens S.C.M. 2004. Glucose delays seed germination in *Arabidopsis thaliana*. *Planta* 218: 579-588.
- Deppmann C.D., Acharya A., Rishi V., Wobbes B., Smeekens S., Taparowsky E.J. and Vinson C. 2004. Dimerization specificity of all 67 B-ZIP motifs in *Arabidopsis thaliana*: a comparison to *Homo sapiens* B-ZIP motifs. *Nucleic Acids Research* 32: 3435-3445.
- Dong W.B., Latijnhouwers M., Jiang R.H.Y., Meijer H.J.G. and Govers F. 2004. Downstream targets of the *Phytophthora infestans* G alpha subunit PiGPA1 revealed by cDNA-AFLP. *Molecular Plant Pathology* 5: 483-494.
- El-Assal S.E.D., Alonso-Blanc C., Hanhart C.J. and Koornneef M. 2004. Pleiotropic effects of the *Arabidopsis* cryptochrome 2 allelic variation underlie fruit trait-related QTL. *Plant Biology* 6: 370-374.
- El-Lithy M.E., Clerckx E.J.M., Ruys G.J., Koornneef M. and Vreugdenhil D. 2004. Quantitative trait locus analysis of growth-related traits in a new *Arabidopsis* recombinant. *Plant Physiology* 135: 444-458.
- Elzinga N. 2004. Translational control of the *Arabidopsis* bZIP transcription factor gene ATB2 by a conserved uORF, Utrecht University, Utrecht, The Netherlands.
- Eriksson E.M., Bovy A., Manning K., Harrison L., Andrews J., De Silva J., Tucker G.A. and Seymour G.B. 2004. Effect of the Colorless non-ripening mutation on cell wall biochemistry and gene expression during tomato fruit development and ripening. *Plant Physiology* 136: 4184-4197.
- Ferrario S., Busscher J., Franken J., Gerats T., Vandenbussche M., Angenent G.C. and Immink R.G.H. 2004. Ectopic expression of the petunia MADS box gene UNSHAVEN accelerates flowering and confers leaf-like characteristics to floral organs in a dominant-negative manner. *Plant Cell* 16: 1490-1505.
- Ferrario S., Immink R.G. and Angenent G.C. 2004. Conservation and diversity in flower land. *Current Opinion in Plant Biology* 7: 84-91.
- Ferrario S. 2004. Functional characterisation of MADS box transcription factors in *Petunia hybrida*, Radboud University, Nijmegen.
- Fiers M., Hause G., Boutilier K., Casamitjana-Martinez E., Weijers D., Offringa R., van der Geest L., Campagne M.V. and Liu C.M. 2004. Mis-expression of the CLV3/ESR-like gene CLE19 in *Arabidopsis* leads to a consumption of root meristem. *Gene* 327: 37-49.
- Fiers M.W.E.J., Kleter G.A., Nijland H., Peijnenburg A.A.C.M., Nap J.P. and Van Ham R.C.H.J. 2004. Allermatch (TM), a webtool for the prediction of potential allergenicity according to current FAO/WHO Codex alimentarius guidelines. *Bmc Bioinformatics* 5.
- Fitzgerald A., Van Kan J.A.L. and Plummer K.M. 2004. Simultaneous silencing of multiple genes in the apple scab fungus, *Venturia inaequalis*, by expression of RNA with chimeric inverted repeats. *Fungal Genetics and Biology* 41: 963-971.
- Gabriëls S.H.E.J., Takken F.L.W., De Jong C.F., Hooiveld R., Wachowski L.K., Witsenboer H., De Wit P.J.G.M. and Joosten M.H.A.J. 2004. Identification of genes involved in the resistance response of tomato against the leaf mold pathogen *Cladosporium fulvum*. In: Tikhonovich I., et al. (eds), *Proceedings of the 11th International Congress on Molecular Plant-Microbe Interactions*, St.-

- Peterburg, St.-Peterburg, Russia. 18-26 July 2003. Int. Soc. for Molecular Plant-Microbe Interactions, St. Paul, Minnesota, USA. pp. 212-215.
- Govers F. and Latijnhouwers M. 2004 Late blight. In: Goodman R.M. (ed), Encyclopedia of Plant and Crop Science, Marcel Dekker Inc., New York. pp. 1-5.
- Goverse A., Karczmarek A., Pierzgalska M., Overmars H.A., Sobczak M., Filipecki M., Bakker J. and Helder J. 2004. Syncytium development: the results of a sophisticated manipulation of plant cells by cyst nematodes. In: Cook R.C. and Hunt D.J. (eds), Nematology Monographs and Perspectives: Proceedings of the Fourth International Congress of Nematology Tenerife, Spain. 8-13 June 2002. Brill, Leiden. pp. 329-333.
- Gremmen B. 2004 Intrinsic value and plant genomics. In: De Tavernier J. and Aerts S. (eds), Science, Ethics and Society, EURSAFE 5, Leuven. pp. 145-148.
- Heidstra R., Welch D. and Scheres B. 2004. Mosaic analyses using marked activation and deletion clones dissect Arabidopsis SCARECROW action in asymmetric cell division. *Genes & Development* 18: 1964-1969.
- Henderson J.T., Li H.C., Rider S.D., Mordhorst A.P., Romero-Severson J., Cheng J.C., Robey J., Sung Z.R., de Vries S.C. and Ogas J. 2004. PICKLE acts throughout the plant to repress expression of embryonic traits and may play a role in gibberellin-dependent responses. *Plant Physiology* 134: 995-1005.
- Hilson P., Allemeersch J., Altmann T., Aubourg S., Avon A., Beynon J., Bhalerao R.P., Bitton F., Caboche M., Cannoot B., Chardakov V., Cognet-Holliger C., Colot V., Crowe M., Darimont C., Durinck S., Eickhoff H., de Longevialle A.F., Farmer E.E., Grant M., Kuiper M.T.R., Lehrach H., Leon C., Leyva A., Lundeborg J., Lurin C., Moreau Y., Nietfeld W., Paz-Ares J., Reymond P., Rouze P., Sandberg G., Segura M.D., Serizet C., Tabrett A., Taconnat L., Thareau V., Van Hummelen P., Vercruyssen S., Vuylsteke M., Weingartner M., Weisbeek P.J., Wirta V., Wittink F.R.A., Zabeau M. and Small I. 2004. Versatile gene-specific sequence tags for Arabidopsis functional genomics: Transcript profiling and reverse genetics applications. *Genome Research* 14: 2176-2189.
- Hogeveen H. and Michalopoulos T. 2004 Do patent-style intellectual property rights on transgenic crops harm the environment. In: Wesseler J. (ed), Environmental Economic Costs and Benefits of Transgenic Crops, Kluwer Academic Publishers, Dordrecht
- Huang S.W., Vleeshouwers V., Werij J.S., Hutten R.C.B., Van Eck H.J., Visser R.G.F. and Jacobsen E. 2004. The R3 resistance to *Phytophthora infestans* in potato is conferred by two closely linked R genes with distinct specificities. *Molecular Plant-Microbe Interactions* 17: 428-435.
- Jansen R.C. and Nap J.P. 2004. Regulating gene expression: surprises still in store. *Trends In Genetics* 20: 223-225.
- Jenkins H., Hardy N., Beckmann M., Draper J., Smith A.R., Taylor J., Fiehn O., Goodacre R., Bino R.J., Hall R., Kopka J., Lane G.A., Lange B.M., Liu J.R., Mendes P., Nikolau B.J., Oliver S.G., Paton N.W., Rhee S., Roessner-Tunali U., Saito K., Smedsgaard J., Sumner L.W., Wang T., Walsh S., Wurtele E.S. and Kell D.B. 2004. A proposed framework for the description of plant metabolomics experiments and their results. *Nature Biotechnology* 22: 1601-1606.
- Ji Q., Oomen R.J.F., Vincken J.P., Bolam D.N., Gilbert H.J., Suurs L.C.J.M. and Visser R.G.F. 2004. Reduction of starch granule size by expression of an engineered tandem starch-binding domain in potato plants. *Plant Biotechnology Journal* 2: 251-260.

- Karczmarek A., Overmars H., Helder J. and Goverse A. 2004. Feeding cell development by cyst and root-knot nematodes involves a similar early, local and transient activation of a specific auxin-inducible promoter element. *Molecular Plant Pathology* 5: 343-346.
- Kars I. and Van Kan J.A.L. 2004 Extracellular enzymes and metabolites involved in pathogenesis of Botrytis. In: Elad Y., et al. (eds), *Botrytis: Biology, Pathology and Control* Kluwer Academic Publishers, The Netherlands. pp. 99-118.
- Koornneef M., Alonso-Blanco C. and Vreugdenhil D. 2004. Naturally occurring genetic variation in *Arabidopsis thaliana*. *Annual Review Of Plant Biology* 55: 141-172.
- Kruijt M., Brandwat B.F. and De Wit P.J.G.M. 2004. Rearrangements in the Cf-9 disease resistance gene cluster of wild tomato have resulted in three genes that mediate Avr9 responsiveness. *Genetics* 168: 1655-1663.
- Kruijt M. 2004. Molecular evolution of *Cladosporium fulvum* disease resistance genes in wild tomato, Wageningen University.
- Kruijt M., Brandwagt B.F. and De Wit P.J.G.M. 2004. De moleculaire evolutie van Cf-resistentiegenen in tomaat tegen *Cladosporium fulvum*, pp. 101 *Gewasbescherming*, Vol. 35(2).
- Kunst B.H., Schots A. and Visser A.J.W.G. 2004. Design of a confocal microfluidic particle sorter using fluorescent photon burst detection. *Review Of Scientific Instruments* 75: 2892-2898.
- Latijnhouwers M., Ligterink W., Vleeshouwers V.G.A.A., Van West P. and Govers F. 2004. A G alpha subunit controls zoospore motility and virulence in the potato late blight pathogen *Phytophthora infestans*. *Molecular Microbiology* 51: 925-936.
- Lievens B., Hanssen I.R.M., Vanachter A.C.R.C., Cammue B.P.A. and Thomma B.P.H.J. 2004. Root and foot rot on tomato caused by *Phytophthora infestans* detected in Belgium. *Plant Disease* 88: 86-86.
- Lucker J., Schwab W., Franssen M.C.R., Van der Plas L.H.W., Bouwmeester H.J. and Verhoeven H.A. 2004. Metabolic engineering of monoterpene biosynthesis: two-step production of (+)-trans-isopiperitenol by tobacco. *Plant Journal* 39: 135-145.
- Lucker J., Schwab W., Van Hautum B., Blaas J., Van der Plas L.H.W., Bouwmeester H.J. and Verhoeven H.A. 2004. Increased and altered fragrance of tobacco plants after metabolic engineering using three monoterpene synthases from lemon. *Plant Physiology* 134: 510-519.
- Matusova R., Van Mourik T. and Bouwmeester H.J. 2004. Changes in the sensitivity of parasitic weed seeds to germination stimulants. *Seed Science Research* 14: 335-344.
- Menke F.L.H., van Pelt J.A., Pieterse C.M.J. and Klessig D.F. 2004. Silencing of the mitogen-activated protein kinase MPK6 compromises disease resistance in *Arabidopsis*. *Plant Cell* 16: 897-907.
- Mercke P., Kappers I.F., Verstappen F.W.A., Vorst O., Dicke M. and Bouwmeester H.J. 2004. Combined transcript and metabolite analysis reveals genes involved in spider mite induced volatile formation in cucumber plants. *Plant Physiology* 135: 2012-2024.
- Nap J.P., Atanassov A. and Stiekema W.J. 2004. *Genomics for Biosafety in Plant Biotechnology*. IOS Press, Amsterdam, The Netherlands.

- Nickstadt A., Thomma B., Feussner I., Kangasjarvi J., Zeier J., Loeffler C., Scheel D. and Berger S. 2004. The jasmonate-insensitive mutant *jin1* shows increased resistance to biotrophic as well as necrotrophic pathogens. *Molecular Plant Pathology* 5: 425-434.
- Oomen R., Dao-Thi B., Tzitzikas E.N., Bakx E.J., Schols H.A., Visser R.G.F. and Vincken J.P. 2004. Overexpression of two different potato UDP-Glc 4-epimerases can increase the galactose content of potato tuber cell walls. *Plant Science* 166: 1097-1104.
- Oomen R., Tzitzikas E.N., Bakx E.J., Straatman-Engelen I., Bush M.S., McCann M.C., Schols H.A., Visser R.G.F. and Vincken J.P. 2004. Modulation of the cellulose content of tuber cell walls by antisense expression of different potato (*Solanum tuberosum* L.) *CesA* clones. *Phytochemistry* 65: 535-546.
- Orzaez Calatayud D.V. and Granell A. 2004 Programmed cell death in plant senescence. In: Gray J. (ed), *Programmed cell death in plants*, Blackwell Publishing: Ohio, USA. pp. 155-193.
- Peeters T., Van de Wetering H., Fiers M.W.E.J., Nap J.P. and Van Wijk J.J. 2004 Case Study: Visualization of annotated DNA sequences. In: Deussen O., et al. (eds), *Proc. VisSym 2004*, Eurographics Press. pp. 109-114.
- Pellny T.K., Ghannoum O., Conroy J.P., Schluepmann H., Smeekens S., Andralojc J., Krause K.P., Goddijn O. and Paul M.J. 2004. Genetic modification of photosynthesis with *E. coli* genes for trehalose synthesis. *Plant Biotechnology Journal* 2: 71-82.
- Pieterse C.M.J., Bakker P.A.H.M., Verhagen B.W.M. and Van Loon L.C. 2004 Signaling during rhizobacteria-induced systemic resistance in *Arabidopsis*. In: Tikhonovich I., et al. (eds), *Biology of Plant-Microbe Interactions*, The International Society for Molecular Plant-Microbe Interactions, St. Paul, MN, USA. pp. 192-195.
- Pieterse C.M.J., van Pelt J.A., Van Wees S.C.M., Ton J., Verhagen B.W.M., Léon-Kloosterziel K., Hase S., De Vos M., van Oosten V.R., Pozo M.J., Spoel S., Van der Ent S., Koornneef A. and Van Loon L.C. 2004. Rhizobacteria-induced systemic resistance and pathway cross talk to fine-tune defense, *Proceedings of 2nd Brazilian Meeting on Induced Resistance in Plants*, University of Lavras, Lavras, Brazil. 9 - 11 November 2004. pp. 44-58.
- Pieterse C.M. and Van Loon L. 2004. NPR1: the spider in the web of induced resistance signaling pathways. *Current Opinion in Plant Biology* 7: 456-464.
- Pozo M.J., Van Loon L.C. and Pieterse C.M.J. 2004. Jasmonates - Signals in plant-microbe interactions. *Journal Of Plant Growth Regulation* 23: 211-222.
- Qin L., Kudla U., Roze E.H.A., Goverse A., Popeijus H., Nieuwland J., Overmars H., Jones J.T., Schots A., Smant G., Bakker J. and Helder J. 2004. Plant degradation: A nematode expansin acting on plants. *Nature* 427: 30-30.
- Ritsema T., Verhaar A., Vijn I. and Smeekens S. 2004. Fructosyltransferase mutants specify a function for the beta-fructosidase motif of the sucrose-binding box in specifying the fructan type synthesized. *Plant Molecular Biology* 54: 853-863.
- Roze E.H.A., Jupovicz J., Goverse A., Helder J., Bakker J. and Smant G. 2004. Het wonder van de wortelknobbelaaltjes: de unieke moleculaire interacties tussen een obligate parasiet en haar waardplanten, pp. 281-283 *Gewasbescherming*, Vol. 35.

- Russinova E., Borst J.W., Kwaaitaal M., Cano-Delgado A., Yin Y.H., Chory J. and de Vries S.C. 2004. Heterodimerization and endocytosis of Arabidopsis brassinosteroid receptors BRI1 and AtSERK3 (BAK1). *Plant Cell* 16: 3216-3229.
- Samuelian S., Kleine M., Ruyter-Spira C.P., Klein-Lankhorst R.M. and Jung C. 2004. Cloning and functional analyses of a gene from sugar beet up-regulated upon cyst nematode infection. *Plant Molecular Biology* 54: 147-156.
- Scheres B., van den Toorn H. and Heidstra R. 2004. Root genomics: towards digital in situ hybridization. *Genome Biology* 5: 227.
- Schijlen E.G.W., De Vos C.H.R., Van Tunen A.J. and Bovy A.G. 2004. Modification of flavonoid biosynthesis in crop plants. *Phytochemistry* 65: 2631-2648.
- Schluepmann H., van Dijken A., Aghdasi M., Wobbes B., Paul M. and Smeekens S. 2004. Trehalose mediated growth inhibition of Arabidopsis seedlings is due to trehalose-6-phosphate accumulation. *Plant Physiology* 135: 879-890.
- Schouten A., Van den Berg G., Edel-Hermann V., Steinberg C., Gautheron N., Alabouvette C., De Vos C.H., Lemanceau P. and Raaijmakers J.M. 2004. Defense responses of *Fusarium oxysporum* to 2,4-diacetylphloroglucinol, a broad-spectrum antibiotic produced by *Pseudomonas fluorescens*. *Molecular Plant-Microbe Interactions* 17: 1201-1211.
- Senchou V., Weide R., Carrasco A., Bouyssou H., Pont-Lezica R., Govers F. and Canut H. 2004. High affinity recognition of a *Phytophthora* protein by Arabidopsis via an RGD motif. *Cellular And Molecular Life Sciences* 61: 502-509.
- Sergeeva L.I., Vonk J., Keurentjes J.J.B., van der Plas L.H.W., Koornneef M. and Vreugdenhil D. 2004. Histochemical analysis reveals organ-specific quantitative trait loci for enzyme activities in Arabidopsis. *Plant Physiology* 134: 237-245.
- Shchennikova A.V., Shulga O.A., Immink R., Skryabin K.G. and Angenent G.C. 2004. Identification and characterization of four chrysanthemum MADS-box genes, belonging to the APETALA1/FRUITFULL and SEPALLATA3 subfamilies. *Plant Physiology* 134: 1632-1641.
- Smant G., Davis E.L., Hussey R.S., Baum T.J., Rosso M.N., Bakker J. and Helder J. 2004. On the evolution of parasitism genes. In: Cook R.C. and Hunt D.J. (eds), *Nematology Monographs and Perspectives: Proceedings of the Fourth International Congress of Nematology, Tenerife, Spain 8-13 June 2002*. Brill, Leiden. pp. 573-579.
- Staats M., Van Baarlen P. and Van Kan J.A.L. 2004. *Fylogenie van het geslacht Botrytis*, pp. 99-100 *Gewasbescherming*, Vol. 35(2).
- Stiekema W.J. and Nap J.P. 2004. Bioinformatics for biosafety: predicting the potential allergenicity of GM food. In: Nap J.P., et al. (eds), *Genomics for Biosafety in Plant Biotechnology*, IOS Press, Amsterdam, The Netherlands. pp. 98-114.
- Stulemeijer I.J.E. 2004. Characterisation of the signal transduction pathway resulting in the hypersensitive response in planta, pp. 223 *Gewasbescherming*, Vol. 35(4).
- Ten Have A., Dekkers E., Kay J., Philip L.H. and Van Kan J.A.L. 2004. An aspartic proteinase gene family in the filamentous fungus *Botrytis cinerea* contains members with novel features. *Microbiology-Sgm* 150: 2475-2489.

- Trindade L.M., Horvath B.M., Van Berloo R. and Visser R.G.F. 2004. Analysis of genes differentially expressed during potato tuber life cycle and isolation of their promoter regions. *Plant Science* 166: 423-433.
- Van Baarlen P., Staats M. and Van Kan J.A.L. 2004. Induction of programmed cell death in lily by the fungal pathogen *Botrytis elliptica*. *Molecular Plant Pathology* 5: 559-574.
- Van Baarlen P., Legendre L. and Van Kan J.A.L. 2004 Plant defence compounds against *Botrytis* infection. In: Elad Y., et al. (eds), *Botrytis: Biology, Pathology and Control*, Kluwer, Academic Publishers, the Netherlands. pp. 143-161.
- Van Damme M., Andel A., Huibers R.P., Weisbeek P.J. and Van den Ackerveken G. 2004 Genetic analysis of disease susceptibility in the *Arabidopsis thaliana*-*Peronospora parasitica* interaction. In: Tikhonovich I., et al. (eds), *Biology of Plant-Microbe Interactions*, International Society for Molecular Plant-Microbe Interactions, St. Paul, MN, USA. pp. 170-173.
- Van den Burg H.A., Spronk C., Boeren S., Kennedy M.A., Vissers J.P.C., Vuister G.W., De Wit P.J.G.M. and Vervoort J. 2004. Binding of the AVR4 elicitor of *Cladosporium fulvum* to chitotriose units is facilitated by positive allosteric protein-protein interactions - The chitin-binding site of AVR4 represents a novel binding site on the folding scaffold shared between the invertebrate and the plant chitin-binding domain. *Journal Of Biological Chemistry* 279: 16786-16796.
- Van der Hoorn R.A.L. and Jones J.D. 2004. The plant proteolytic machinery and its role in defence. *Current Opinion in Plant Biology* 7: 400-407.
- Van der Hoorn R.A.L., Leeuwenburgh M.A., Bogyo M., Joosten M. and Peck S.C. 2004. Activity profiling of papain-like cysteine proteases in plants. *Plant Physiology* 135: 1170-1178.
- Van der Lee T., Testa A., Robold A., Van 't Klooster J. and Govers F. 2004. High-density genetic linkage maps of *Phytophthora infestans* reveal trisomic progeny and chromosomal rearrangements. *Genetics* 167: 1643-1661.
- Van der Lee T. 2004. Genetische analyse van *Phytophthora infestans*, pp. 214-216 *Gewasbescherming*.
- Van Dijken A.J.H., Schluepmann H. and Smeekens S.C.M. 2004. *Arabidopsis* trehalose-6-phosphate synthase 1 is essential for normal vegetative growth and transition to flowering. *Plant Physiology* 135: 969-977.
- Van Doorn J., Pham K.T.K., Paffen A.M.G., Van den Boogaart P. and Van Kan J.A.L. 2004. Verspreiding van vuur: aantonen voor je het ziet!, pp. 20-21 *BloembollenVisie*.
- Van Loon L.C. and Bakker P.A.H.M. 2004 Signalling in rhizobacteria-plant interactions. In: De Kroon J. and Visser E.J.W. (eds), *Ecological Studies*, Springer Verlag, Berlin, Germany. pp. 287-330.
- Van Loon L.C. and Bakker P.A.H.M. 2004 Increased plant fitness by rhizobacteria. In: Sandermann H. (ed), *Ecological Studies*, Springer Verlag, Berlin, Germany. pp. 177-205.
- Van Oosten V.R., De Vos M., van Pelt J.A., van Loon L.C., van Poecke R.M.P., Dicke M. and Pieterse C.M.J. 2004 Signal signature of *Arabidopsis* induced upon pathogen and insect attack. In: Tikhonovich I., et al. (eds), *Biology of Plant-Microbe Interactions*, The International Society for Molecular Plant-Microbe Interactions, St. Paul, MN, USA. pp. 199-202.

- Van Tuinen A., De Vos C.H., Hall R.D., Van der Plas L.H.W., Bowler C. and Bino R.J. 2004 Use of metabolomics for identification of tomato genotypes with enhanced nutritional value derived from natural light-hyperresponsive mutants. In: Jaiwal P.K. (ed), *Plant genetic Engineering VII; Improving the nutritional and therapeutic qualities of plants*. pp. 340-356.
- Van West P. and Vleeshouwers V.G.A.A. 2004 The *Phytophthora infestans* – potato interaction. In: Talbot N. (ed), *Plant-Pathogen Interactions*, Blackwell Scientific Publishers. pp. 219-242.
- Verhagen B.W.M., Glazebrook J., Zhu T., Chang H.S., van Loon L.C. and Pieterse C.M.J. 2004. The transcriptome of rhizobacteria-induced systemic resistance in *Arabidopsis*. *Molecular Plant-Microbe Interactions* 17: 895-908.
- Verhagen B.W.M. 2004. Transcriptomics and knockout mutant analysis of rhizobacteria-mediated induced systemic resistance in *Arabidopsis*, Utrecht University, Utrecht, The Netherlands.
- Visser A.J.W.G., Kunst B.H., Keller H. and Schots A. 2004. Towards sorting of biolibraries using single-molecule fluorescence detection techniques. *Current Pharmaceutical Biotechnology* 5: 173-179.
- Vreugdenhil D., Aarts M.G.M., Koornneef M., Nelissen H. and Ernst W.H.O. 2004. Natural variation and QTL analysis for cationic mineral content in seeds of *Arabidopsis thaliana*. *Plant Cell And Environment* 27: 828-839.
- Westerink N., Brandwagt B.F., De Wit P.J.G.M. and Joosten M. 2004. *Cladosporium fulvum* circumvents the second functional resistance gene homologue at the Cf-4 locus (Hcr9-4E) by secretion of a stable avr4E isoform. *Molecular Microbiology* 54: 533-545.
- Westerink N., Joosten M.H.A.J. and De Wit P.J.G.M. 2004 Fungal (a)virulence factors at the crossroads of disease susceptibility and resistance. In: Punja Z.K. (ed), *Fungal disease resistance in plants: biochemistry, molecular biology, and genetic engineering*, The Haworth Press, Inc, Binghamton, NY. pp. 93-137.
- Weyens G., Ritsema T., Van Dun K., Meyer D., Lommel M., Lathouwers J., Rosquin I., Denys P., Tossens A., Nijss M., Turk S., Gerrits N., Bink S., Walraven B., Lefebvre M. and Smeekens S. 2004. Production of tailor-made fructans in sugar beet by expression of onion fructosyltransferase genes. *Plant Biotechnology Journal* 2: 321-327.
- Wiese A., Elzinga N., Wobbes B. and Smeekens S. 2004. A conserved upstream open sucrose-induced repression reading frame mediates of translation. *Plant Cell* 16: 1717-1729.
- Wobbes B. 2004. Control of plant Carbohydrate partitioning by the *Arabidopsis thaliana* ATB2 bZIP transcription factor gene, Utrecht University, Utrecht.
- Wulff B.B.H., Kruijt M., Collins P.L., Thomas C.M., Ludwig A.A., De Wit P.J.G.M. and Jones J.D.G. 2004. Gene shuffling-generated and natural variants of the tomato resistance gene Cf-9 exhibit different auto-necrosis-inducing activities in *Nicotiana* species. *Plant Journal* 40: 942-956.