

## The Electronic Plant Gene Register

Plant Gene Register titles for PGR 99–124 to PGR 99–144 appear below. The sequences have been deposited in GenBank and the articles listed online through the World Wide Web.

To cite an electronic Plant Gene Register article as a bibliographic reference, follow the style given below:

Mijnsbrugge KV, Van Doorselaere J, Ardiles-Diaz W, Van Montagu M, Boerjan W (1999) Characterization of a phenylcoumaran benzylic ether reductase gene (accession no. AJ132262) in *Populus trichocarpa* (PGR 99–124). *Plant Physiol* **121**: 311.

To access the Plant Gene Register through the World Wide Web, use the URL:

<http://www.tarweed.com/pgr/>

Plant Gene Register PGR 99–124

### **Characterization of a Phenylcoumaran Benzylic Ether Reductase Gene (Accession No. AJ132262) in *Populus trichocarpa*.**

Kristine Vander Mijnsbrugge, Jan Van Doorselaere, Wilson Ardiles-Diaz, Marc Van Montagu\*, and Wout Boerjan.

Laboratorium voor Genetica, Departement Plantengenetica, Vlaams Interuniversitair Instituut voor Biotechnologie, K.L. Ledeganckstraat 35, Universiteit Gent, B–9000 Gent, Belgium.

\* Corresponding author; e-mail [mamon@gengenp.rug.ac.be](mailto:mamon@gengenp.rug.ac.be); fax 32–9–264–5349.

ches sur les Especies Fruiteres et la Vigne (C.E., A.M., E.D., R.M.), Institut National de la Recherche Agronomique Bordeaux, BP 81, 33883 Villenave d'Ornon cedex, France.

\* Corresponding author; e-mail [rothan@bordeaux.inra.fr](mailto:rothan@bordeaux.inra.fr); fax 33–5–56–84–32–45.

Plant Gene Register PGR 99–125

### **Identification and Characterization of Sequences Encoding a 62-Kilodalton B" Regulatory Subunit of Arabidopsis Protein Phosphatase 2A (Accession No. AF165429).**

John D. Hendershot, III, Cairn A. Esmon, Jennifer E. Lumb, and Sabine J. Rundle\*.

Department of Biology, Western Carolina University, Cullowhee, North Carolina 28723.

\* Corresponding author; e-mail [rundle@wpoff.wcu.edu](mailto:rundle@wpoff.wcu.edu); fax 828–227–7647.

Plant Gene Register PGR 99–127

### **Isolation and Sequence Analysis of a Genomic Clone (Accession No. Y18470) of the Nuclear Export Receptor AtXPO1 (AtCRM1) from Arabidopsis.**

Dorothea Haasen, Gunther Neuhaus, and Thomas Merkle\* University of Freiburg, Institute of Biology II, Cell Biology, Schanzlestrasse 1, D–79104 Freiburg, Germany.

\* Corresponding author; e-mail [merkle@uhura.biologie.uni-freiburg.de](mailto:merkle@uhura.biologie.uni-freiburg.de); fax 49–761–203–2675.

Plant Gene Register PGR 99–126

### **Isolation of a cDNA Encoding a Metallothionein-Like Protein (Accession No. AJ243532) Expressed during Peach Fruit Development.**

Christophe Rothan\*, Christelle Etienne, Annick Moing, Elisabeth Dirlewanger, Philippe Raymond, and Rene Monet.

Unite de Physiologie Vegetale (C.R., P.R.), Unite de Recher-

Plant Gene Register PGR 99–128

### **Nucleotide Sequence of a Wound- and Ripening-Related 1-Aminocyclopropane-1-Carboxylate Synthase Gene (CME-ACS1, Accession No. AB025906) in Melon cv AMS.**

Mitsuaki Yamamoto, Hideaki Asama, Hiroki Nakagawa, Tetsuo Hirabayashi, and Takahide Sato\*.

Faculty of Horticulture, Chiba University, 648 Matsudo, Matsudo, Chiba 271, Japan (M.Y., H.A., H.N., T.S.); Graduate School of Science and Technology, Chiba University (T.S.); and The Japan Horticultural Productivity Institute, 207 Shinbashidai, Kamishiki, Matsudo, Chiba 271, Japan (T.H.).

\* Corresponding author; e-mail [sato@midori.h.chiba-u.ac.jp](mailto:sato@midori.h.chiba-u.ac.jp); fax 81–47–308–8863.

Plant Gene Register PGR 99-129

**Cloning and Characterization of a Bacterial-Induced Peroxidase-Encoding cDNA from Cotton (Accession No. AF155124).**

Komi Assigbetse\*, Gerard Cuny, Catherine Valette, Etienne Delannoy, Estelle Bresson, Aida Jalloul, Jean-Francois Daniel, Jean-Paul Geiger, and Michel Nicole.

Laboratoire Genetrop, Unite de Phytopathologie (K.A., C.V., E.D., E.B., A.J., J.-F.D., J.-P.G., M.N.), and Laboratoire de Parasitologie et d'Entomologie Moleculaire (G.C.), IRD, BP 5045, Montpellier, France.

\* Corresponding author; e-mail assigbet@melusine.mpl.ird.fr; fax 33-4-67-41-62-83.

Plant Gene Register PGR 99-130

**Sequence of an Allene Oxide Synthase cDNA from Arabidopsis (Accession No. AF172727).**

Paul Staswick\*.

Department of Agronomy, University of Nebraska, Lincoln, Nebraska 68583-0915.

\* E-mail pstaswick1@unl.edu; fax 402-472-7904.

Plant Gene Register PGR 99-131

**A Rice cDNA Encoding Phytoene Desaturase (Accession No. AF049356).**

Arulmolee Vigneswaran and Eleanore T. Wurtzel\*.

Department of Biological Sciences, Lehman College, and The Graduate School and University Center, The City University of New York, 250 Bedford Park Boulevard West, Bronx, New York 10468.

\* Corresponding author; e-mail etwlc@cunyvm.cuny.edu; fax 718-960-8236 or -7348.

Plant Gene Register PGR 99-132

**Isolation of the Complete cDNA of the Mre11 Homolog of Arabidopsis (Accession No. AJ243822) Indicates Conservation of DNA Recombination Mechanisms between Plants and Other Eucaryotes.**

Frank Hartung\* and Holger Puchta.

Institut für Pflanzengenetik und Kulturpflanzenforschung, Corrensstrasse 3, D-06466 Gatersleben, Germany.

\* Corresponding author; e-mail hartung@ipk-gatersleben.de; fax 49-39482-5137.

Plant Gene Register PGR 99-133

**Nucleotide Sequence of a cDNA Encoding 10-Formyltetrahydrofolate Synthetase from Arabidopsis (Accession No. AF162279).**

Maryanne Skavdahl, Bradley J.S.C. Olson, John Markwell, and John C. Osterman\*.

Department of Biochemistry (M.S., B.J.S.C.O., J.M.) and School of Biological Sciences (J.C.O.), University of Nebraska, Lincoln, Nebraska 68588.

\* Corresponding author; e-mail josterman@unl.edu; fax 402-472-2083.

Plant Gene Register PGR 99-134

**Characterization of a Gymnosperm-Like Germin-Like Protein (GLP7) Gene from Arabidopsis (Accession No. AF170550).**

Clay Carter and Robert W. Thornburg\*.

Department of Biochemistry, Biophysics and Molecular Biology, Iowa State University, Ames, Iowa 50011.

\* Corresponding author; e-mail thorn@iastate.edu; fax 515-294-0453.

Plant Gene Register PGR 99-135

**Cloning of a Sweet Potato Leaf cDNA (Accession No. AF149424) Encoding Mitogen-Activated Protein Kinase.**

Kin-Ying To<sup>1</sup>, Der-Fen Suen, and Shu-Chen Grace Chen\*  
Institute of Botany, Academia Sinica, Nankang, Taipei, Taiwan 11529, Republic of China.

<sup>1</sup> Present address: Institute of BioAgricultural Sciences, Academia Sinica, Nankang, Taipei, Taiwan 11529, Republic of China.

\* Corresponding author; e-mail boschen@ccvax.sinica.edu.tw; fax 886-2-27827954.

Plant Gene Register PGR 99-136

**A Second Gene Encoding the Plastidic Pyruvate Dehydrogenase  $\beta$ -Subunit in Arabidopsis (Accession No. AF167893).**

Robert H. Behal\* and David J. Oliver.

Department of Botany, Iowa State University, Ames, Iowa 50011.

\* Corresponding author; e-mail bbehal@iastate.edu; fax 515-294-1337.

Plant Gene Register PGR 99-137

**Isolation of cDNA (Accession No. AJ243813) and Genomic Clones (Accession No. AJ243812) of Glutathione Synthetase Containing Plastidic Targeting Sequences from Arabidopsis.**

Mark Skipsey, Christopher J. Andrews, Jane Townson, Ian Jepson, and Robert Edwards\*.

Crop Protection Group, Department of Biological Sciences, University of Durham, Durham DH1 3LE, United Kingdom (C.J.A., R.E.); Zeneca Agrochemicals Ltd., Jealott's Hill Research Station, Bracknell RG42 6ET, United Kingdom (J.T., M.S., I.J.).

\* Corresponding author; e-mail robert.edwards@durham.ac.uk; fax 44-191-374-2417.

Plant Gene Register PGR 99-138

**Cloning of Three MYB-Like Genes from Arabidopsis (Accession Nos. U26933, AF048841, and U26934).**

Song Feng Li, Joshua Heazlewood, and Roger W. Parish\*. Department of Botany, La Trobe University, Bundoora Campus, Melbourne, Victoria, Australia 3083.

\* Corresponding author; e-mail R.Parish@latrobe.edu.au; fax 3-9479-1188.

Plant Gene Register PGR 99-139

**The Isolation of an Arabidopsis cDNA Clone Encoding S-Adenosyl-L-Homocysteine Hydrolase (Accession No. AF059581).**

Lassaad Belbahri, Habib Elleuch, Raimundo Villarroel, Dirk Inze, Daniel Thomas, and Brigitte Thomasset\*.

Laboratoire de Technologie Enzymatique, UPRES A CNRS 6022, Université de Technologie de Compiègne, BP 20529, 60205 Compiègne cedex France (L.B., H.E., D.T., B.T.); Laboratorium voor Genetica affiliated to the Flanders Interuniversity Institute for Biotechnology, K.L. Ledeganckstraat 35, B-9000 Gent, Belgium (R.V.); and Laboratoire Associé de l'Institut National de la Recherche Agronomique (France), Universitéit Gent, KL Ledeganckstraat 35, B-9000 Gent, Belgium (D.I.).

\* Corresponding author; e-mail Brigitte.Thomasset@utc.fr; fax 33-3-44-20-39-10.

Plant Gene Register PGR 99-140

**Subunit V (PsaG) of the Photosystem I Reaction Center (Accession No. AF157017) from Desiccated *Tortula ruralis*.**

Andrew J. Wood\* and R. Joel Duff<sup>1</sup>. Department of Plant Biology, Southern Illinois University, Carbondale, Illinois 62901-6509.

<sup>1</sup> Present address: Department of Biology, University of Akron, Akron, Ohio 44325.

\* Corresponding author; e-mail wood@plant.siu.edu; fax 618-453-3441.

Plant Gene Register PGR 99-141

**Molecular Cloning and Sequence Analysis of the *Chlamydomonas reinhardtii* Nuclear Gene Encoding the Photosystem II Subunit PsbW (Accession No. AF170026).**

Cleo L. Bishop, Amanda J. Cain, Saul Purton, and Jonathan H.A. Nugent\*.

Photosynthesis Research Group, Department of Biology, Darwin Building, University College London, Gower Street, London WC1E 6BT, United Kingdom.

\* Corresponding author; e-mail j.nugent@ucl.ac.uk; fax 44-020-7380-7096.

Plant Gene Register PGR 99-142

**Cloning and Sequencing of Chloroplast Genes for ATP Synthase  $\beta$ - and  $\epsilon$ -Subunits (atpB and atpE) of Alfalfa (Accession No. AF163770).**

Gregory D. Nugent, David M. Stalker, and Trevor W. Stevenson\*.

Department of Applied Biology and Biotechnology, RMIT University, G.P.O. Box 2476V, Melbourne, Australia (G.D.N., T.W.S.); and Calgene, 1920 Fifth Street, Davis, California (D.M.S.).

\* Corresponding author; e-mail trevor@rmit.edu.au; fax 61-3-9662-3421.

Plant Gene Register PGR 99-143

**Nucleotide Sequences of Genomic Clones (Accession Nos. AJ247090, AJ247195, and AJ247196) Encoding a Type 2 Metallothionein-Like Protein from Water Hyacinth.**

Ka Fai Kong and Jimmy S.H. Tsang\*.

Department of Botany, University of Hong Kong, Pokfulam Road, Hong Kong.

\* Corresponding author; e-mail jshtsang@hkucc.hku.hk; fax 852-2858-3477.

Plant Gene Register PGR 99-144

**Cloning and Sequencing of a Glutamine Synthetase cDNA (Accession No. AF169795) from *Juglans nigra*.**

L. Simonson and Paul Twigg\*.

Biology Department, University of Nebraska at Kearney, Kearney, Nebraska 68849.

\* Corresponding author; fax 308-865-8045; e-mail twiggp@unk.edu.