

journal of HEREDITY

An international journal of
genomic and evolutionary diversity

Volume 98 | Number 2

March/April 2007

Symposium Issue: 2006 Annual Meeting, American Genetic Association Edited by Loren Rieseberg

University of British Columbia, Vancouver, BC,
Canada. July 21–24, 2006

Genetics of Speciation

Loren H. Rieseberg

The Wilhelmine E. Key 2006 Invitational Lecture: Speciation in *Drosophila*: From Phenotypes to Molecules

H. Allen Orr, J. P. Masly, and Nitin Phadnis

Localization and Characterization of X Chromosome Inversion Breakpoints Separating *Drosophila mojavensis* and *Drosophila arizonae*

Elizabeth T. Cirulli and Mohamed A. F. Noor

Searching the Genomes of Inbred Mouse Strains for Incompatibilities That Reproductively Isolate Their Wild Relatives

Bret A. Payseur and Michael Place

Comparative Genetics of Potential Prezygotic and Postzygotic Isolating Barriers in a Lycopersicon Species Cross

Leonie C. Moyle

Evolution of Duplicate Gene Expression in Polyploid and Hybrid Plants

Keith L. Adams

Genetic Architecture of Leaf Ecophysiological Traits in *Helianthus*

Larry C. Brouillette, David M. Rosenthal,
Loren H. Rieseberg, Christian Lexer,
Russell L. Malmberg, and Lisa A. Donovan

Brief Communications

Evolution and Differentiation of *MSHR* Gene in Different Species

Xiang-Long Li, Gui-Ru Zheng, Rong-Yan Zhou, and
Lan-Hui Li

165

101 Genetic Interaction between 2 TILLERING Genes, Reduced Culm Number 1 (*rcn1*) and TILLERING Dwarf Gene *d3*, in Rice

Naoko Yasuno, Yuta Yasui, Itsuro Takamura, and
Kiyooki Kato

169

103 Genomic Variation in Parthenogenetic Lizard *Darevskia armeniaca*: Evidence from DNA Fingerprinting Data

D. N. Malysheva, Olga N. Tokarskaya,
Varos G. Petrosyan, Felix D. Danielyan,
Iliya S. Darevsky, and Alexei P. Ryskov

173

111 Introgression of *Alectoris chukar* Genes into a Spanish Wild *Alectoris rufa* Population

M. Teresa Tejedor, Luis V. Monteagudo,
Selma Mautner, Eleftherios Hadjisterkotis, and
M. Victoria Arruga

179

123 Spontaneous Hybridization between Maize and Teosinte

Norman C. Ellstrand, Lauren C. Garner,
Subray Hegde, Roberto Guadagnuolo, and
Lesley Blancas

183

136 Meiotic Restitution in Wheat Polyhaploids (Amphihaploids): A Potent Evolutionary Force

Prem P. Jauhar

188

142 Announcements

194

Articles

Mitochondrial DNA Diversity and Population Structure among Southern Right Whales (*Eubalaena australis*)

Nathalie J. Patenaude, Vicky A. Portway,
Cathy M. Schaeff, John L. Bannister, Peter B. Best,
Roger S. Payne, Vicky J. Rowntree, Mariana Rivarola,
and C. Scott Baker

Population Growth Confounds Phylogeographic Inference in Namaqua Sandgrouse

Wayne Delport, Timothy M. Crowe, Penn Lloyd,
and Paulette Bloomer

Announcement

2007 Annual Meeting, American Genetic Association, July 11–13, 2007. "Mechanisms of Genome Evolution." Wilhelmine E. Key Lecturer: Sally Otto

147

The 2007 meeting of the American Genetic Association will
be hosted by 2007 President-elect Michael Lynch on the
campus of Indiana University, Bloomington, Indiana. For
more information, please visit: <http://www.theaga.org/agsymposium/index.html>

158