

MOLECULAR ECOLOGY

VOLUME 20, NUMBER 6, MARCH 2011

ISSN 0962-1083

MOLECULAR

ECOLOGY

VOLUME 20, NUMBER 6, MARCH 2011, pp. 1077-1316

WILEY-BLACKWELL

VOLUME 20
NUMBER 6
MARCH
2011

MOLECULAR ECOLOGY

NEWS AND VIEWS

Perspectives

- 1077 Pollen and seed dispersal inferred from seedling genotypes: the Bayesian revolution has passed here too
E. K. Klein & S. Oddou-Muratorio
- 1080 Grandfathering in a new era of parentage analysis
K. B. Mobley

OPINION

- 1083 G'_{ST} and D do not replace F_{ST}
M. C. Whitlock

ORIGINAL ARTICLES

Population and Conservation Genetics

- 1092 Why replication is important in landscape genetics: American black bear in the Rocky Mountains
R. A. Short Bull, S. A. Cushman, R. Mace, T. Chilton, K. C. Kendall, E. L. Landguth, M. K. Schwartz, K. McKelvey, F. W. Allendorf & G. Luikart
- 1108 Genealogical lineage sorting leads to significant, but incorrect Bayesian multilocus inference of population structure
P. Orozco-TerWengel, J. Corander & C. Schlötterer
- 1122 Significant genetic boundaries and spatial dynamics of giant pandas occupying fragmented habitat across southwest China
L. Zhu, S. Zhang, X. Gu & F. Wei
- 1133 Broad-scale latitudinal patterns of genetic diversity among native European and introduced house sparrow (*Passer domesticus*) populations
A. W. Schrey, M. Grispo, M. Awad, M. B. Cook, E. D. McCoy, H. R. Mushinsky, T. Albayrak, S. Bensch, T. Burke, L. K. Butler, R. Dor, H. B. Fokidis, H. Jensen, T. Imboma, M. M. Kessler-Rios, A. Marzal, I. R. K. Stewart, H. Westerdahl, D. F. Westneat, P. Zehindjiev & L. B. Martin

Ecological Genomics

- 1144 Transcriptional plasticity of a soil arthropod across different ecological conditions
T. E. de Boer, A. Birlutiu, Z. Bochdanovits, M. J. T. N. Timmermans, T. M. H. Dijkstra, N. M. Van Straalen, B. Ylstra & D. Roelofs

Molecular Adaptation

- 1155 Circadian clocks and adaptation in Arabidopsis
S. Yerushalmi, E. Yakir & R. M. Green

Speciation and Hybridization

- 1166 Spatio-temporal changes in the genetic structure of the *Passerina* bunting hybrid zone
M. D. Carling & B. Zuckerberg
- 1176 Bayesian analysis of hybridization and introgression between the endangered european mink (*Mustela lutreola*) and the polecat (*Mustela putorius*)
M. T. Cabria, J. R. Michaux, B. J. Gómez-Moliner, D. Skumatov, T. Maran, P. Fournier, J. López de Luzuriaga & R. Zardoya
- 1191 Reticulate evolution of the *Daphnia pulex* complex as revealed by nuclear markers
R. Vergilino, S. Markova, M. Ventura, M. Manca & F. Dufresne

Phylogeography

- 1208 Population structure of mycobionts and photobionts of the widespread lichen *Cetraria aculeata*
F. Fernández-Mendoza, S. Domaschke, M. A. García, P. Jordan, M. P. Martín & C. Printzen
- 1233 Pleistocene origin and population history of a neoendemic alpine butterfly
S. D. Schoville, M. Stuckey & G. K. Roderick

Kinship, Parentage and Behaviour

- 1248 Estimating seed and pollen movement in a monoecious plant: a hierarchical Bayesian approach integrating genetic and ecological data
E. V. Moran & J. S. Clark
- 1263 Who are the missing parents? Grandparentage analysis identifies multiple sources of gene flow into a wild population
M. R. Christie, M. L. Marine & M. S. Blouin
- 1277 How much can parentage analyses tell us about precapture dispersal?
P. M. Waser & J. D. Hadfield

Ecological Interactions

- 1289 Spatial patterns of plant diversity below-ground as revealed by DNA barcoding
P. R. Kesanakurti, A. J. Fazekas, K. S. Burgess, D. M. Percy, S. G. Newmaster, S. W. Graham, S. C. H. Barrett, M. Hajibabaei & B. C. Husband
- 1303 Mycorrhizal specificity in the fully mycoheterotrophic *Hexalectris* Raf. (Orchidaceae: Epidendroideae)
A. H. Kennedy, D. L. Taylor & L. E. Watson

Information on this journal can be accessed at <http://wileyonlinelibrary.com/journal/mec>

The journal is covered by AGRICOLA, Chemical Abstracts, Current Awareness Biological Sciences and Current Contents.

This journal is available at Wiley Online Library. Visit <http://wileyonlinelibrary.com> to search the articles and register for table of contents e-mail alerts.



WILEY-BLACKWELL

Published by
Wiley-Blackwell

