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Original Articles


Indirect Estimates of Natal Dispersal Distance from Genetic Data in a Stream-Dwelling Fish (Mogurnda adspersa) Ashlie Shigmin, Daniel J. Schmidt, and Jane M. Hughes

Genetic Evidence for Polygyny in the Black-Striped Pufferfish Symphysodon obesus: A Microsatellite-Based Parentage Analysis Ketrin Hübner, Mercedes González-Wanguemert, Onno E. Diekmann, and Ester A. Serrão

Highly Species-Specific Centromeric Repeat DNA Sequences in Lizards: Molecular Cytogenetic Characterization of a Novel Family of Satellite DNA Sequences Isolated from the Water Monitor Lizard (Varanus salvator monacanthus, Platynota) Namped Chaiapsorn, Yoshinori Ume, Sunir Psichasigail, Omjnya Prachungcheew, Sudarat Bacharoon, Saranom Chareumk, Chikyuu Nishida, Yooy Matsuda, Akhibko Kay, and Konnom Sinualvath

A Candidate Gene Analysis of Canine Hypoadrenocorticism in 3 Dog Breeds Andrea D. Short, Alladur Boag, Brian Catchpole, Lorna J. Kennedy, Jonathan Maisey, Simon Rowthell, Eystein Husby, and Bill Ollier

Male Killing Caused by a Sporoplaus Symbiont in the Small Brown Planthopper, Lodeliophes stridulus Sachyo Sanada-Morimura, Masaya Matsumura, and Hiroaki Noda

Phylogeography of Mugwort (Artemisia indica), a Native Pioneer Herb in Japan Yshtiko Shimon, Hiroshi Hayakawa, Shunji Kurokawa, Tomoko Nishida, Hiroaki Iida, and Norihiko Futagami

Landscape Composition Has Limited Impact on Local Genetic Structure in Mountain Clover, Trifolium montanum L. Thomas Hahn, Chris J. Kettle, Jakubry Ghaouai, Ernest I. Hennig, and Andrea R. Plessis

Genetic Architecture of Floral Traits in Iris hexagona and Iris felix Amalinda N. Brotherton, Jessica G. Barb, Evangeline S. Balem, Douglas W. Drury, Steven J. Knapp, and Michael L. Arnold

Brief Communications

The Role of Heritable and Dietary Factors in the Sexual Signal of a Hispaniolan Anole Lizard, Anolis distichus (Alicyn Ng, Audley A. Kelly, Daniel J. MacGuigan, and Richard E. Glor

MHC Class II B Genes in the Endangered Hainan Eld’s Deer (Cervus eldi hainanus) Hongs-Yi Liu, Fei Xue, Qiu-Hong Wai, and Yun-Fa Ge

Computer Note

SSR Pipeline: A Bioinformatic Infrastructure for Identifying Microsatellites From Paired-End Illumina High-Throughput DNA Sequencing Data Mark P. Miller, Brian J. Knaus, Thomas D. Mullins, and Audley A. Kelly

Announcements

The cover.

Wave riders Upper left: Globally distributed, the bottlenose dolphin (Tursiops truncatus) is found in a range of offshore and coastal habitats. Analysis of microsatellites and mtDNA from populations along the eastern United States showed strong habitat heterogeneity, emphasizing the role of habitat and the consequences of its modification in shaping bottlenose dolphin population structure (see pp. 765–784). Photo by Stephen McCulloch. Upper right: For effective management of Bryde’s whales (Balaenoptera edeni brydei, B. e. edeni), a clear understanding of population genetic structure across their range is required. Analysis of mtDNA control region sequences from Indian and Northwest Pacific Ocean samples identifies 2 genetically recognized subspecies: a larger, offshore form, B. e. edeni, and a smaller coastal form, B. e. edeni (see pp. 765–784). Photo by Rubaiyat Mansur. Bottom: Microsatellite and mtDNA analyses from both piscivorous ‘resident’ and mammal-eating ‘transient’ (or Bigg’s) killer whales (Orcinus orca) in the North Pacific revealed significant divergence of the 2 ecotypes. Geographic patterns of genetic differentiation including regions of genetic discontinuity provide evidence of further population structuring within both ecotypes (see pp. 737–754). Photo by David Ellifrit.