

Contents

81

Cytogenetic analysis on geographically distant parthenogenetic populations of *Tityus trivittatus* Kraepelin, 1898 (Scorpiones, Buthidae): karyotype, constitutive heterochromatin and rDNA localization

Renzo Sebastián Adilardi, Andrés Alejandro Ojanguren Affilastro, Dardo Andrea Martí, Liliana María Mola

93

Karyotypes of six spider species belonging to the families Gnaphosidae, Salticidae, Thomisidae, and

Zodariidae (Araneae) from Turkey

Zübeyde Kumbıçak, Emel Ekiz, Serdar Çiçekli

103

Comparative cytogenetics of *Physalaemus albifrons* and *Physalaemus cuvieri* species groups (Anura, Leptodactylidae)

Stenio Eder Vittorazzi, Yeda Rumi Serra Douglas Quinderé, Shirlei Maria Recco-Pimentel, Cristian Tomatis, Diego Baldo, Janaina Reis Ferreira Lima, Juan Martín Ferro, Jucivaldo Dias Lima, Luciana Bolsoni Lourenço

125

Cytotaxonomy of two species of genus *Chrysolaena* H. Robinson, 1988 (Vernonieae, Asteraceae) from Northeast Paraguay

Gisela M. Via Do Pico, Massimiliano Dematteis

139

Genomic organization of repetitive DNAs and its implications for male karyotype and the neo-Y chromosome differentiation in *Erythrinus erythrinus* (Characiformes, Erythrinidae)

Cassia Fernanda Yano, Luiz Antonio Carlos Bertollo, Wagner Franco Molina, Thomas Liehr, Marcelo de Bello Cioffi

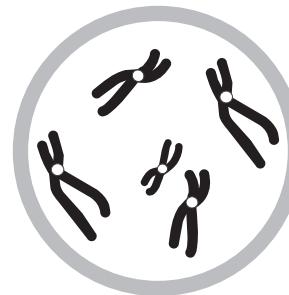
153

Similarities and differences among the chromosomes of the wild guinea pig *Cavia tschudii* and the domestic guinea pig

Cavia porcellus (Rodentia, Caviidae)

Laura I. Walker, Miguel A. Soto, Ángel E. Spotorno

COMPARATIVE CYTOGENETICS ◆ 8(2), 2014

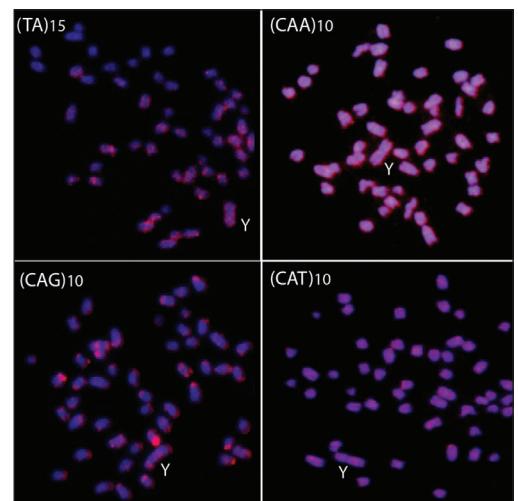


ISSN 1993-078X (online) ISSN 1993-0771 (print)

A peer-reviewed open-access journal

COMPARATIVE Cytogenetics

International Journal of Plant & Animal Cytogenetic, Karyosystematics, and Molecular Systematics



PENSOFT

8(2)◆2014

www.pensoft.net/journals/compcytogen



COMPARATIVE
Cytogenetics

A peer-reviewed open-access journal
International Journal of Plant & Animal Cytogenetics,
Karyosystematics, and Molecular Systematics

Editors-in-Chief:

Prof. Dr. Valentina G. Kuznetsova
Zoological Institute, St. Petersburg
valentina_kuznetsova@yahoo.com

Dr. Ilya A. Gavrilov-Zimin
Zoological Institute, St. Petersburg
coccids@gmail.com

Managing Editor: Dr. Lyubomir Penev

Language Editors: Robert B. Angus

Editorial Board:

Robert B. Angus (University of London, r.angus@rhul.ac.uk), **Irina Yu. Baklushinskaya** (Koltzov Institute of Developmental Biology RAS, Moscow, irina.bakl@gmail.com), **Alicja Boron** (University of Warmia and Mazury, Olsztyn, alibo@uwm.edu.pl), **Nina Sh. Bulatova** (Institute of Ecology and Evolution, Moscow, ninbul@mail.ru), **Julio R. Daviña** (Universidad Nacional de Misiones, Posadas, juliodavina@gmail.com), **Grazyna Furgala-Selezniew** (University of Warmia and Mazury, Olsztyn, grazska@uwm.edu.pl), **Natalia V. Golub** (Zoological Institute, St. Petersburg, psocid@zin.ru), **Vladimir E. Gokhman** (Moscow State University, gokhman@bg.msu.ru), **Veronika V. Golygina** (Institute of Cytology and Genetics, Novosibirsk, nika@bionet.nsc.ru), **Ekatерина Горнунг** (University of Rome "Sapienza", ekaterina.gornung@gmail.com), **Snejana Grozeva** (Institute of Biodiversity and Ecosystem Research, Sofia, sgrozeva@yahoo.com), **Vladimir A. Lukhtanov** (St. Petersburg State University, lukhtanov@mail.ru), **Anna Maryanska-Nadachowska** (Institute of Systematics and Evolution of Animals, Krakow, maryanska@isez.pan.krakow.pl), **Seppo Nokkala** (University of Turku, seppo.nokkala@utu.fi), **Andrey Polyakov** (Institute of Cytology and Genetics SB RAS, Novosibirsk, polyakov@bionet.nsc.ru), **Petr Rab** (Institute of Animal Physiology and Genetics, Libechov, rab@iapg.cas.cz), **Nazar Shapoval** (Russian Academy of Sciences, St. Petersburg, nazaret@bk.ru), **Joan Vallès** (Universitat de Barcelona, joanvalles@ub.edu), **Jan Zima** (Institute of Vertebrate Biology, Brno, jzima@brno.cas.cz)

International Advisory Board:

Ekaterina D. Badaeva (Institute of Molecular Biology, Moscow, _badaeva@mail.ru), **Katsuhiko Kondo** (Hiroshima University, Hiroshima, kkondo@hiroshima-u.ac.jp), **Iya I. Kiknadze** (Institute of Cytology and Genetics, Novosibirsk, kiknadze@bionet.nsc.ru), **Frantisek Marec** (Institute of Entomology, Ceske Budejovice, marec@entu.cas.cz), **Jon Martin** (University of Melbourne, Melbourne, j.martin@unimelb.edu.au), **Paraskeva Michailova** (Institute of Zoology, Sofia, michailova@zoology.bas.bg), **Benjamin B. Normark** (University of Massachusetts, Amherst, bnmark@ent.umass.edu), **Walther Traut** (University of Luebeck, Luebeck, traut@molbio.uni-luebeck.de), **Ludmila V. Vysotskaya** (Novosibirsk State University, Novosibirsk, vysot@fen.nsu.ru)

All correspondence with reference to editorial matters should be addressed to: Dr. Ilya Gavrilov-Zimin by e-mail: coccids@gmail.com with subject "Comparative Cytogenetics" or to the address: Zoological Institute, Russian Academy of Sciences, Universitetskaya nab. 1, St. Petersburg 199034, Russia.

Creative Commons Attribution License. This is an open access journal distributed under the terms of the Creative Commons Attribution License 3.0 CC-BY, which permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited.

Subscription for 2011:

The printed version: institutional subscription - € 145.00; individual subscription - € 70.00;
subscribers from Russia - € 120.00.

PENSOFT Publishers

Prof. Georgi Zlatarski 12, 1700 Sofia, Bulgaria
Tel. +359-2-8704281
Fax: +359-2-8704282
e-mail: info@pensoft.net
<http://www.pensoft.net/journals/compcytogen>