

Publications

- Title: Bottlenecks, population differentiation and apparent selection at microsatellite loci in Australian *Drosophila buzzatii* (vol 102, pg 389, 2009) Author(s): Barker JSF, Frydenberg J, Gonzalez J, et al. Source: HEREDITY Volume: 102 Issue: 6 Pages: 626-626 Published: JUN 2009
- Title: Cloning and sequencing of the breakpoint regions of inversion 5g fixed in *Drosophila buzzatii* Author(s): da Costa OP, Gonzalez J, Ruiz A Source: CHROMOSOMA Volume: 118 Issue: 3 Pages: 349-360 Published: JUN 2009
- Title: Bottlenecks, population differentiation and apparent selection at microsatellite loci in Australian *Drosophila buzzatii* Author(s): Barker JSF, Frydenberg J, Gonzalez J, et al. Source: HEREDITY Volume: 102 Issue: 4 Pages: 389-401 Published: APR 2009
- Title: The Foldback-like element Galileo belongs to the P superfamily of DNA transposons and is widespread within the *Drosophila* genus Author(s): Marzo M, Puig M, Ruiz A Source: PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA Volume: 105 Issue: 8 Pages: 2957-2962 Published: FEB 26 2008
- Title: Evolution of genes and genomes on the *Drosophila* phylogeny Author(s): Clark AG, Eisen MB, Smith DR, et al. Source: NATURE Volume: 450 Issue: 7167 Pages: 203-218 Published: NOV 8 2007
- Title: Protein polymorphism is negatively correlated with conservation of intronic sequences and complexity of expression patterns in *Drosophila melanogaster* Author(s): Petit N, Casillas S, Ruiz A, et al. Source: JOURNAL OF MOLECULAR EVOLUTION Volume: 64 Issue: 5 Pages: 511-518 Published: MAY 2007
- Title: HOM-C evolution in *Drosophila*: is there a need for Hox gene clustering? Author(s): Negre B, Ruiz A Source: TRENDS IN GENETICS Volume: 23 Issue: 2 Pages: 55-59 Published: FEB 2007
- Title: Testing chromosomal phylogenies and inversion breakpoint reuse in *Drosophila* Author(s): Gonzalez J, Casals F, Ruiz A Source: GENETICS Volume: 175 Issue: 1 Pages: 167-177 Published: JAN 2007
- Title: Fast sequence evolution of Hox and Hox-derived genes in the genus *Drosophila* Author(s): Casillas S, Negre B, Barbadilla A, et al. Source: BMC EVOLUTIONARY BIOLOGY Volume: 6 Article Number: 106 Published: DEC 12 2006
- Title: Abundance and chromosomal distribution of six *Drosophila buzzatii* transposons: BuT1, BuT2, BuT3, BuT4, BuT5, and BuT6 Author(s): Casals F, Gonzalez J, Ruiz A Source: CHROMOSOMA Volume: 115 Issue: 5 Pages: 403-412 Published: OCT 2006
- Title: A BAC-based physical map of the *Drosophila buzzatii* genome Author(s): Gonzalez J, Nefedov M, Bosdet I, et al. Source: GENOME RESEARCH Volume: 15 Issue: 6 Pages: 885-+ Published: JUN 2005
- Title: Molecular characterization and chromosomal distribution of Galileo, Kepler and Newton, three foldback transposable elements of the *Drosophila buzzatii* species complex Author(s): Casals F, Caceres M, Manfrin MH, et al. Source: GENETICS Volume: 169 Issue: 4 Pages: 2047-2059 Published: APR 2005
- Title: Conservation of regulatory sequences and gene expression patterns in the disintegrating *Drosophila* Hox gene complex Author(s): Negre B, Casillas S, Suzanne M, et al. Source: GENOME RESEARCH Volume: 15 Issue: 5 Pages: 692-700 Published: MAY 2005
- Title: Duplicative and conservative transpositions of Larval serum protein 1 genes in the genus *Drosophila* Author(s): Gonzalez J, Casals F, Ruiz A Source: GENETICS Volume: 168 Issue: 1 Pages: 253-264 Published: SEP 2004
- Title: Silencing of a gene adjacent to the breakpoint of a widespread *Drosophila* inversion by a transposon-induced antisense RNA Author(s): Puig M, Caceres M, Ruiz A Source: PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA Volume: 101 Issue: 24 Pages: 9013-9018 Published: JUN 15 2004
- Title: A new split of the hox gene complex in *Drosophila*: Relocation and evolution of the gene labial Author(s): Negre B, Ranz JM, Casals F, et al. Source: MOLECULAR BIOLOGY AND EVOLUTION Volume: 20 Issue: 12 Pages: 2042-2054 Published: DEC 2003
- Title: Low occurrence of gene transposition events during the evolution of the genus *Drosophila* Author(s): Ranz JM, Gonzalez J, Casals F, et al. Source: EVOLUTION Volume: 57 Issue: 6 Pages: 1325-1335 Published: JUN 2003

- Title: The Foldback-like transposon Galileo is involved in the generation of two different natural chromosomal inversions of *Drosophila buzzatii* Author(s): Casals F, Caceres M, Ruiz A Source: MOLECULAR BIOLOGY AND EVOLUTION Volume: 20 Issue: 5 Pages: 674-685 Published: MAY 2003
- Title: Chromosomal elements evolve at different rates in the *Drosophila* genome Author(s): Gonzalez J, Ranz JM, Ruiz A Source: GENETICS Volume: 161 Issue: 3 Pages: 1137-1154 Published: JUL 2002
- Title: Molecular characterization of two natural hotspots in the *Drosophila buzzatii* genome induced by transposon insertions Author(s): Caceres M, Puig M, Ruiz A Source: GENOME RESEARCH Volume: 11 Issue: 8 Pages: 1353-1364 Published: AUG 2001
- Title: The *Drosophila serido* speciation puzzle: putting new pieces together Author(s): Ruiz A, Cansian AM, Kuhn GCS, et al. Source: GENETICA Volume: 108 Issue: 3 Pages: 217-227 Published: 2000
- Title: How malleable is the eukaryotic genome? Extreme rate of chromosomal rearrangement in the genus *Drosophila* Author(s): Ranz JM, Casals F, Ruiz A Source: GENOME RESEARCH Volume: 11 Issue: 2 Pages: 230-239 Published: FEB 2001
- Title: Molecular organization of the *Drosophila melanogaster* Adh chromosomal region in *D-repleta* and *D-buzzatii*, two distantly related species of the *Drosophila* subgenus Author(s): Gonzalez J, Betran E, Ashburner M, et al. Source: CHROMOSOME RESEARCH Volume: 8 Issue: 5 Pages: 375-385 Published: 2000
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- Title: Recombination rate predicts inversion size in diptera Author(s): Caceres M, Barbadilla A, Ruiz A Source: GENETICS Volume: 153 Issue: 1 Pages: 251-259 Published: SEP 1999
- Title: Generation of a widespread *Drosophila* inversion by a transposable element Author(s): Caceres M, Ranz JM, Barbadilla A, et al. Source: SCIENCE Volume: 285 Issue: 5426 Pages: 415-418 Published: JUL 16 1999
- Title: Comparative mapping of cosmids and gene clones from a 1.6 Mb chromosomal region of *Drosophila melanogaster* in three species of the distantly related subgenus *Drosophila* Author(s): Ranz JM, Caceres M, Ruiz A Source: CHROMOSOMA Volume: 108 Issue: 1 Pages: 32-43 Published: APR 1999
- Title: Antagonistic pleiotropic effect of second-chromosome inversions on body size and early life-history traits in *Drosophila buzzatii* Author(s): Betran E, Santos M, Ruiz A Source: EVOLUTION Volume: 52 Issue: 1 Pages: 144-154 Published: FEB 1998
- Title: Chromosomal evolution and comparative gene mapping in the *Drosophila repleta* species group Author(s): Ruiz A, Ranz JM, Caceres M, et al. Conference Information: 42nd National Congress of Genetics, SEP 04-07, 1996 CAXAMBU, BRAZIL Source: BRAZILIAN JOURNAL OF GENETICS Volume: 20 Issue: 4 Pages: 553-565 Published: DEC 1997
- Title: On the fertility effects of pericentric inversions Author(s): Navarro A, Ruiz A Source: GENETICS Volume: 147 Issue: 2 Pages: 931-933 Published: OCT 1997
- Title: Inversion length and breakpoint distribution in the *Drosophila buzzatii* species complex: Is inversion length a selected trait? Author(s): Caceres M, Barbadilla A, Ruiz A Source: EVOLUTION Volume: 51 Issue: 4 Pages: 1149-1155 Published: AUG 1997
- Title: Recombination and gene flux caused by gene conversion and crossing over in inversion heterokaryotypes Author(s): Navarro A, Betran E, Barbadilla A, et al. Source: GENETICS Volume: 146 Issue: 2 Pages: 695-709 Published: JUN 1997
- Title: Chromosomal homology and molecular organization of Muller's elements D and E in the *Drosophila repleta* species group Author(s): Ranz JM, Segarra C, Ruiz A Source: GENETICS Volume: 145 Issue: 2 Pages: 281-295 Published: FEB 1997
- Title: The metaphase and polytene chromosomes of *Drosophila seriema* (*repleta* group; *mulleri* subgroup) Author(s): Kuhn GCS, Ruiz A, Alves MAR, et al. Source: BRAZILIAN JOURNAL OF GENETICS Volume: 19 Issue: 2 Pages: 209-216 Published: JUN 1996
- Title: Dynamics of gametic disequilibria between loci linked to chromosome inversions: The recombination

redistributing effect of inversions Author(s): Navarro A, Betran E, Zapata C, et al. Source: GENETICAL RESEARCH Volume: 67 Issue: 1 Pages: 67-76 Published: FEB 1996

- Title: EVOLUTIONARY HISTORY OF DROSOPHILA-BUZZATII .32. LINKAGE DISEQUILIBRIUM BETWEEN ALLOZYMES AND CHROMOSOME INVERSIONS IN 2 COLONIZING POPULATIONS Author(s): BETRAN E, QUEZADADIAZ JE, RUIZ A, et al. Source: HEREDITY Volume: 74 Pages: 188-199 Part: Part 2 Published: FEB 1995

- Title: THE CONTRIBUTION OF QUANTITATIVE TRAIT LOCI AND NEUTRAL MARKER LOCI TO THE GENETIC VARIANCES AND COVARIANCES AMONG QUANTITATIVE TRAITS IN RANDOM MATING POPULATIONS Author(s): RUIZ A, BARBADILLA A Source: GENETICS Volume: 139 Issue: 1 Pages: 445-455 Published: JAN 1995

- Title: MATING PATTERN AND FITNESS-COMPONENT ANALYSIS ASSOCIATED WITH INVERSION POLYMORPHISM IN A NATURAL-POPULATION OF DROSOPHILA-BUZZATII Author(s): BARBADILLA A, RUIZ A, SANTOS M, et al. Source: EVOLUTION Volume: 48 Issue: 3 Pages: 767-780 Published: JUN 1994

- Title: REPRODUCTIVE RELATIONSHIPS AMONG 10 SPECIES OF THE DROSOPHILA-REPLETA GROUP FROM SOUTH-AMERICA AND THE WEST-INDIES Author(s): MARIN I, RUIZ A, PLA C, et al. Source: EVOLUTION Volume: 47 Issue: 5 Pages: 1616-1624 Published: OCT 1993

- Title: EVOLUTIONARY CYTOGENETICS OF THE DROSOPHILA-BUZZATII SPECIES COMPLEX Author(s): RUIZ A, WASSERMAN M Source: HEREDITY Volume: 70 Pages: 582-596 Part: Part 6 Published: JUN 1993

- Title: THE EVOLUTIONARY HISTORY OF DROSOPHILA-BUZZATII .20. POSITIVE PHENOTYPIC COVARIANCE BETWEEN FIELD ADULT FITNESS COMPONENTS AND BODY SIZE Author(s): SANTOS M, RUIZ A, QUEZADADIAZ JE, et al. Source: JOURNAL OF EVOLUTIONARY BIOLOGY Volume: 5 Issue: 3 Pages: 403-422 Published: 1992

- Title: THE ESTIMATION OF GENOTYPIC PROBABILITIES IN AN ADULT-POPULATION BY THE ANALYSIS OF DESCENDANTS Author(s): BARBADILLA A, NAVEIRA H, RUIZ A, et al. Source: GENETICAL RESEARCH Volume: 59 Issue: 2 Pages: 131-137 Published: APR 1992

- Title: THE EVOLUTIONARY HISTORY OF DROSOPHILA-BUZZATII .25. RANDOM MATING IN NATURE Author(s): QUEZADADIAZ JE, SANTOS M, RUIZ A, et al. Source: HEREDITY Volume: 68 Pages: 373-379 Part: Part 4 Published: APR 1992

- Title: THE EVOLUTIONARY HISTORY OF DROSOPHILA-BUZZATII .18. GENETIC VARIANCE FOR BODY SIZE IN A NATURAL-POPULATION OF DROSOPHILA-BUZZATII Author(s): RUIZ A, SANTOS M, BARBADILLA A, et al. Source: GENETICS Volume: 128 Issue: 4 Pages: 739-750 Published: AUG 1991

- Title: THE EVOLUTIONARY HISTORY OF DROSOPHILA-BUZZATII .17. DOUBLE MATING AND SPERM PREDOMINANCE Author(s): BARBADILLA A, QUEZADADIAZ JE, RUIZ A, et al. Source: GENETICS SELECTION EVOLUTION Volume: 23 Issue: 2 Pages: 133-140 Published: 1991

- Title: MATING PROBABILITY, BODY SIZE, AND INVERSION POLYMORPHISM IN A COLONIZING POPULATION OF DROSOPHILA-BUZZATII Author(s): RUIZ A, SANTOS M Conference Information: MEETING ON EVOLUTIONARY BIOLOGY OF TRANSIENT UNSTABLE POPULATIONS, JUL, 1988 BANYOLES, SPAIN Source: EVOLUTIONARY BIOLOGY OF TRANSIENT UNSTABLE POPULATIONS Pages: 96-113 Published: 1989

- Title: DESCRIPTION AND EVOLUTIONARY RELATIONSHIPS OF 2 SPECIES OF THE DROSOPHILA-MULLERI CLUSTER (DIPTERA, DROSOPHILIDAE) Author(s): FONTDEVILA A, WASSERMAN M, PLA C, et al. Source: ANNALS OF THE ENTOMOLOGICAL SOCIETY OF AMERICA Volume: 83 Issue: 3 Pages: 444-452 Published: MAY 1990

- Title: EVOLUTION OF THE MOJAVENSIS CLUSTER OF CACTOPHILIC DROSOPHILA WITH DESCRIPTIONS OF 2 NEW SPECIES Author(s): RUIZ A, HEED WB, WASSERMAN M Source: JOURNAL OF HEREDITY Volume: 81 Issue: 1 Pages: 30-42 Published: JAN-FEB 1990

- Title: THE EVOLUTIONARY HISTORY OF DROSOPHILA-BUZZATII .13. RANDOM DIFFERENTIATION AS A PARTIAL EXPLANATION OF CHROMOSOMAL VARIATION IN A STRUCTURED NATURAL-POPULATION Author(s): SANTOS M, RUIZ A, FONTDEVILA A Source: AMERICAN NATURALIST Volume: 133 Issue: 2 Pages: 183-197 Published: FEB 1989

- Title: THE EVOLUTIONARY HISTORY OF DROSOPHILA-BUZZATII .14. LARGER FLIES MATE MORE OFTEN IN NATURE Author(s): SANTOS M, RUIZ A, BARBADILLA A, et al. Source: HEREDITY Volume: 61 Pages: 255-262 Part: Part 2 Published: OCT 1988

- Title: DROSOPHILA-KOEPFERAE - A NEW MEMBER OF THE DROSOPHILA-SERIDO (DIPTERA,

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- Title: HOST-PLANT SPECIFICITY IN THE CACTOPHILIC DROSOPHILA-MULLERI SPECIES COMPLEX Author(s): RUIZ A, HEED WB Source: JOURNAL OF ANIMAL ECOLOGY Volume: 57 Issue: 1 Pages: 237-249 Published: FEB 1988

- Title: THE EVOLUTIONARY HISTORY OF DROSOPHILA-BUZZATI .10. DIFFERENTIAL RESPONSE IN ENVIRONMENTAL ALCOHOL AMONG 2ND-CHROMOSOME ARRANGEMENTS IN EXPERIMENTAL POPULATIONS OF DROSOPHILA-BUZZATII Author(s): RUIZ A, SANTOS M, FONTDEVILA A Source: GENETICA Volume: 75 Issue: 3 Pages: 219-229 Published: DEC 15 1987

- Title: THE EVOLUTIONARY HISTORY OF DROSOPHILA-BUZZATII .8. EVIDENCE FOR ENDOCYCLIC SELECTION ACTING ON THE INVERSION POLYMORPHISM IN A NATURAL-POPULATION Author(s): RUIZ A, FONTDEVILA A, SANTOS M, et al. Source: EVOLUTION Volume: 40 Issue: 4 Pages: 740-755 Published: JUL 1986

- Title: THE EVOLUTIONARY HISTORY OF DROSOPHILA-BUZZATII .6. ADAPTIVE CHROMOSOMAL CHANGES IN EXPERIMENTAL POPULATIONS WITH NATURAL SUBSTRATES Author(s): RUIZ A, FONTDEVILA A Source: GENETICA Volume: 66 Issue: 1 Pages: 63-71 Published: 1985

- Title: THE EVOLUTIONARY HISTORY OF DROSOPHILA-BUZZATII .5. DIFFERENTIAL SURVIVORSHIP ON OPUNTIA BETWEEN DROSOPHILA-BUZZATII AND DROSOPHILA-SERIDO Author(s): RUIZ A, NAVEIRA H, FONTDEVILA A Source: EXPERIENTIA Volume: 41 Issue: 1 Pages: 129-131 Published: 1985

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