

Author index

- Abbott, R.J. *see* Gribel, R.
- Ahuja, M.R., Genetic nature of a nontumour mutant isolated from tumour-prone amphidiploid *Nicotiana glauca-langs-dorffii* (GGLL): a critical assessment, 335
- Alvarez, G., Zapata, C., Measuring selective effects of modifier gene polymorphisms on the *Bare* locus of *Drosophila subobscura*, 404
- Aman, R.A. *see* Arctander, P.
- Andriamanga, M. *see* Rognon, X.
- Antonovics, J. *see* Levy, F.
- Apostol, B.L., Black, W.C., IV, Reiter, P., Miller, B.R., Population genetics with RAPD-PCR markers: the breeding structure of *Aedes aegypti* in Puerto Rico, 325
- Apostolidis, A., Karakousis, Y., Triantaphyllidis, C., Genetic divergence and phylogenetic relationships among *Salmo trutta* L. (brown trout) populations from Greece and other European countries, 551
- Arctander, P., Kat, P.W., Aman, R.A., Siegismund, H.R., Extreme genetic differences among populations of *Gazella granti*, Grant's gazelle, in Kenya, 465
- Asmussen, M.A., Basten, C.J., Constraints and normalized measures for cytonuclear disequilibria, 207
- Bahrman, N. *see* de Vienne, D.
- Bandi, C. *see* Comincini, S.
- Basten, C.J. *see* Asmussen, M.A.
- Beckert, M. *see* de Vienne, D.
- Belhassen, E. *see* Cuellar, T.
- Bella, J.L. *see* Cuellar, T.
- Black, W.C., IV *see* Apostol, B.L.
- Bonhomme, J. *see* Simon, J.-C.
- Borsa, P., Coustau, C., Single-stranded DNA conformation polymorphism at the *Rdl* locus in *Hypothenemus hampei* (Coleoptera: Scolytidae), 124
- Borsa, P., Kjellberg, F., Experimental evidence for pseudoarhenotoky in *Hypothenemus hampei* (Coleoptera: Scolytidae), 130
- Boynton, J.E. *see* Levy, F.
- Bradford, M.J. *see* Roff, D.A.
- Brookfield, J.F.Y., Genetic evidence for repression of somatic P element movements in *Drosophila melanogaster* consistent with a role for the KP element, 384
- Brooks, R.J., Tobias, A.M., Lawrence, M.J., The population genetics of the self-incompatibility polymorphism in *Papaver rhoeas*. XI. The effects of limited pollen and seed dispersal, overlapping generations and variation in plant size on the variance of S-allele frequencies in populations at equilibrium, 367
- Burnet, B. *see* Ruiz-Dubreuil, G.
- Burstin, J. *see* de Vienne, D.
- Cabrero, J. *see* Herrera, J.A.; López-León, M.D.
- Camacho, J.P.M. *see* Herrera, J.A.; López-León, M.D.
- Capel, J. *see* Rodríguez Iñigo, E.
- Cariou, M.-L. *see* Da Lage, J.-L.
- Carrel, E. *see* Simon, J.-C.
- Case, A.L., Lacev, E.P., Hopkins, R.G., Parental effects in *Plantago lanceolata* L. II. Manipulation of grandparental temperature and parental flowering time, 287
- Ceccarelli, M. *see* Minelli, S.
- Chapman, T.W., Stewart, S.C., Extremely high levels of inbreeding in a natural population of the free-living wasp *Ancistrocerus antilope* (Hymenoptera: Vespidae: Eumeninae), 65
- Cionini, P.G. *see* Minelli, S.
- Clancy, D. *see* Hoffmann, A.A.
- Clemeno, T.P. *see* Virk, P.S.
- Coluccia, E. *see* Deiana, A.M.
- Comincini, S., Sironi, M., Bandi, C., Giunta, C., Rubini, M., Fontana, F., RAPD analysis of systematic relationships among the Cervidae, 215
- Confalonieri, V. *see* Matrajt, M.
- Connolly, K. *see* Ruiz-Dubreuil, G.
- Cook, L.M., Gao, G., Test of association of morphological variation with heterozygosity in the snail *Cepaea nemoralis*, 118
- Coustau, C. *see* Borza, P.
- Couvet, D., Ronfort, J., Relationship between inbreeding depression and selfing: the case of intrafamily selection, 561
- Crawford, T.J. *see* Oxford, G.S.
- Cronin, J.T., Strong, D.R., Genetics of oviposition success of a thelytokous fairyfly parasitoid, *Anagrus delicatus*, 43
- Crosetti, D. *see* Rossi, A.R.
- Cuellar, T., Belhassen, E., Fernández-Calvín, B., Orellana, J., Bella, J.L., Chromosomal differentiation in *Helianthus annuus* var. *macrocarpus*: heterochromatin characterization and rDNA location, 586
- Da Lage, J.-L., Klarenberg, A., Cariou, M.-L., Variation in sex-, stage- and tissue-specific expression of the amylase genes in *Drosophila ananassae*, 9
- D'Adamo, P. *see* Malacrida, A.R.
- Damerval, C. *see* de Vienne, D.
- Day, T.H. *see* Gilburn, A.S.
- de Vienne, D., Burstin, J., Gerber, S., Leonardi, A., Le Guilloux, M., Murigneux, A., Beckert, M., Bahrman, N., Damerval, C., Zivy, M., Two-dimensional electrophoresis of proteins

- as a source of monogenic and codominant markers for population genetics and mapping the expressed genome, 166
- Dedryver, C.A. *see* Simon, J.-C.
- Deiana, A.M., Coluccia, E., Milia, A., Salvadori, S., Supernumerary chromosomes in *Nephrops norvegicus* L. (Crustacea, Decapoda), 92
- Delph, L.F. *see* Havens, K.
- Deng, H.-W., Environmental and genetic control of sexual reproduction in *Daphnia*, 449
- Diniz-Filho, J.A.F. *see* Pignata, M.I.B.
- Doerge, R.W., Rebaã, A., Significance thresholds for QTL interval mapping tests, 459
- Duncan, J. *see* Hoffmann, A.A.
- Excoffier, L. *see* Slatkin, M.
- Fernández-Calvín, B. *see* Cuellar, T.; Rodríguez Iñigo, E.
- Filippucci, M.-G. *see* Michaux, J.R.
- Fons, R. *see* Michaux, J.R.
- Fontana, F. *see* Comincini, S.
- Fontdevila, A. *see* Marín, I.
- Ford-Lloyd, B.V. *see* Jones, G.H.; Virk, P.S.
- Furness, P. *see* Ruiz-Dubreuil, G.
- Gao, G. *see* Cook, L.M.
- García de la Vega, C. *see* Rodríguez Iñigo, E.
- Gasperi, G. *see* Malacrida, A.R.
- Gerber, S. *see* de Vienne, D.
- Gilburn, A.S., Day, T.H., The evolution of female choice when the preference and the preferred trait are linked to the same inversion system, 19
- Gillespie, R.G. *see* Oxford, G.S.
- Gillham, N.W. *see* Levy, F.
- Gittenberger, E. *see* van Batenburg, F.H.D.
- Giunta, C. *see* Comincini, S.
- Gliddon, C.J. *see* Raybould, A.F.
- Gornung, E. *see* Rossi, A.R.
- Goudet, J. *see* Raybould, A.F.
- Gray, A.J. *see* Raybould, A.F.
- Gribel, R., Abbott, R.J., Genetics of cytosolic phosphogulcose isomerase (PGI) variation in the Amazonian tree *Pseudobombax munguba* (Bombacaceae), 531
- Gu, X., Zera, A.J., Quantitative genetics of juvenile hormone esterase, juvenile hormone binding and general esterase activity in the cricket *Gryllus assimilis*, 136
- Guglielmino, C.R. *see* Malacrida, A.R.
- Guyomard, R. *see* Rognon, X.
- Havens, K., Delph, L.F., Differential seed maturation uncouples fertilization and siring success in *Oenothera organensis* (Onagraceae), 623
- Hebert, P.D.N. *see* Simon, J.-C.
- Herrera, J.A., López-León, M.D., Cabrero, J., Shaw, M.W., Camacho, J.P.M., Evidence for B chromosome drive suppression in the grasshopper *Eyprepocnemis plorans*, 633
- Hewitt, G.M. *see* Juan, C.
- Hoffmann, A.A., Clancy, D., Duncan, J., Naturally-occurring *Wolbachia* infection in *Drosophila simulans* that does not cause cytoplasmic incompatibility, 1
- Holtsford, T.P., Variation in inbreeding depression among families and populations of *Clarkia tembloriensis* (Onagraceae), 83
- Hopkins, R.G. *see* Case, A.L.
- Jackson, M.T. *see* Virk, P.S.
- James, S.H. *see* Waycott, M.
- Johannesen, J., Loeschke, V., A hierarchical analysis of genetic structure and variability in patchily distributed coexisting *Chiastocheta* species (Diptera: Anthomyiidae), 437
- Jones, G.H., Khazanehdari, K.A., Ford-Lloyd, B.V., Meiosis in the leek (*Allium porrum* L.) revisited. II. Metaphase I observations, 186
- Juan, C., Oromi, P., Hewitt, G.M., Phylogeny of the genus *Hegeter* (Tenebrionidae, Coleoptera) and its colonization of the Canary Islands deduced from Cytochrome Oxidase I mitochondrial DNA sequences, 392
- Kambhampati, S., Luykx, P., Nalepa, C.A., Evidence for sibling species in *Cryptocercus punctulatus*, the wood roach, from variation in mitochondrial DNA and karyotype, 485
- Karakousis, Y. *see* Apostolidis, A.
- Kat, P.W. *see* Arctander, P.
- Keese, M.C., Feeding responses of hybrids and the inheritance of host-use traits in leaf feeding beetles (Coleoptera: Chrysomelidae), 36
- Khazanehdari, K.A. *see* Jones, G.H.
- Kjellberg, F. *see* Borsig, P.
- Klarenberg, A. *see* Da Lage, J.-L.
- Kohn, J.R. *see* Richman, A.D.
- Lacey, E.P. *see* Case, A.L.
- Lamnissou, K., Loukas, M., Zouros, E., Incompatibilities between Y chromosome and autosomes are responsible for male hybrid sterility in crosses between *Drosophila virilis* and *Drosophila texana*, 603
- Larsson, K., Genetic and environmental effects on the timing of wing moult in the barnacle goose, 100
- Lawrence, M.J. *see* Brooks, R.J.
- Lawrence, M.J., Number of incompatibility alleles in clover and other species, 610
- Le Gallic, J.-F. *see* Simon, J.-C.
- Le Guilloux, M. *see* de Vienne, D.
- Leonardi, A. *see* de Vienne, D.
- Levy, F., Antonovics, J., Boynton, J.E., Gillham, N.W., A population genetic analysis of chloroplast DNA in *Phacelia*, 143
- Libois, R.M. *see* Michaux, J.R.
- Loeschke, V. *see* Johannesen, J.

- López-León, M.D. *see* Herrera, J.A.
- López-León, M.D., Cabrero, J., Camacho, J.P.M., Negatively assorted gamete fertilization for supernumerary heterochromatin in two grasshopper species, 651
- Loukas, M. *see* Lamnissou, K.
- Lu, M.-Z. *see* Szmidt, A.E.
- Luykx, P. *see* Kambhampati, S.
- McAndrew, B. *see* Rognon, X.
- Malacrida, A.R., Guglielmino, C.R., D'Adamo, P., Torti, C., Marinoni, F., Gasperi, G., Allozyme divergence and phylogenetic relationships among species of tephritid flies, 592
- Marín, I., Fontdevila, A., Evolutionary conservation and molecular characteristics of repetitive sequences of *Drosophila koepfnerae*, 355
- Marinoni, F. *see* Malacrida, A.R.
- Matagne, R.F. *see* Michaux, J.R.
- Matrajt, M., Confalonieri, V., Vilardi, J., Parallel adaptive patterns of allozyme and inversion polymorphisms on an ecological gradient, 346
- Matsumura, M., Genetic analysis of a threshold trait: density-dependent wing dimorphism in *Sogatella furcifera* (Horváth) (Hemiptera: Delphacidae), the whitebacked planthopper, 229
- Matthee, C.A., Robinson, T.J., Mitochondrial DNA differentiation among geographical populations of *Pronolagus rupensis*, Smith's red rock rabbit (Mammalia: Lagomorpha), 514
- Messier, S., Mitton, J.B., Heterozygosity at the malate dehydrogenase locus and developmental homeostasis in *Apis mellifera*, 616
- Michaux, J.R., Filippucci, M.-G., Libois, R.M., Fons, R., Matagne, R.F., Biogeography and taxonomy of *Apodemus sylvaticus* (the woodmouse) in the Tyrrhenian region: enzymatic variations and mitochondrial DNA restriction pattern analysis, 267
- Milia, A. *see* Deiana, A.M.
- Miller, B.R. *see* Apostol, B.L.
- Minelli, S., Moscariello, P., Ceccarelli, M., Cionini, P.G., Nucleotype and phenotype in *Vicia faba*, 524
- Mitton, J.B. *see* Messier, S.
- Mogg, R.J. *see* Raybould, A.F.
- Moscariello, P. *see* Minelli, S.
- Muranty, H., Power of tests for quantitative trait loci detection using full-sib families in different schemes, 156
- Murigneux, A. *see* de Vienne, D.
- Nalepa, C.A. *see* Kambhampati, S.
- Newbury, H.J. *see* Virk, P.S.
- Ohara, M., Takeda, H., Ohno, Y., Shimamoto, Y., Variations in the breeding system and the population genetic structure of *Trillium kamtschaticum* (Liliaceae), 476
- Ohno, Y. *see* Ohara, M.
- Orellana, J. *see* Cuellar, T.
- Oromi, P. *see* Juan, C.
- Oxford, G.S., Crawford, T.J., Pernyes, K., Why are capitulum morphs associated with other characters in natural populations of *Senecio vulgaris* (groundsel)?, 192
- Oxford, G.S., Gillespie, R.G., Genetics of a colour polymorphism in *Theridion grallator* (Araneae: Theridiidae), the Hawaiian happy-face spider, from Greater Maui, 238
- Oxford, G.S., Gillespie, R.G., Quantum shifts in the genetic control of a colour polymorphism in *Theridion grallator* (Araneae: Theridiidae), the Hawaiian happy-face spider, 249
- Oxford, G.S., Gillespie, R.G., The effects of genetic background on the island-specific control of a colour polymorphism in *Theridion grallator* (Araneae: Theridiidae), the Hawaiian happy-face spider, 257
- Pernyes, K. *see* Oxford, G.S.
- Piepho, H.-P., Comparing cultivar means in multilocation trials when the covariance structure is not circular, 198
- Pigliucci, M., Schlichting, C.D., Reaction norms of *Arabidopsis*. IV. Relationships between plasticity and fitness, 427
- Pignata, M.I.B., Diniz-Filho, J.A.F., Phylogenetic autocorrelation and evolutionary constraints in worker body size of some neotropical stingless bees (Hymenoptera: Apidae), 222
- Pijls, J.W.A.M., van Steenbergen, H.J., van Alphen, J.J.M., Asexuality cured: the relations and differences between sexual and asexual *Apoanagyrus diversicornis*, 506
- Pooni, H.S. *see* Virk, P.S.
- Raybould, A.F., Goudet, J., Mogg, R.J., Gliddon, C.J., Gray, A.J., Genetic structure of a linear population of *Beta vulgaris* ssp. *maritima* (sea beet) revealed by isozyme and RFLP analysis, 111
- Rebaă, A. *see* Doerge, R.W.
- Reiter, P. *see* Apostol, B.L.
- Richman, A.D., Uyenoyama, M.K., Kohn, J.R., S-allele diversity in a natural population of *Physalis crassifolia* (Solanaceae) (ground cherry) assessed by RT-PCR, 497
- Robinson, T.J. *see* Matthee, C.A.
- Rodríguez Íñigo, E., Fernández-Calvín, B., Capel, J., García de la Vega, C., Equilocality and heterogeneity of constitutive heterochromatin: *in situ* localization of two families of highly repetitive DNA in *Dociostaurus genei* (Orthoptera), 70
- Roff, D.A., Bradford, M.J., Quantitative genetics of the trade-off between fecundity and wing dimorphism in the cricket *Allobunus socius*, 178
- Rognon, X., Andriamanga, M., McAndrew, B., Guyomard, R., Allozyme variation in natural and cultured populations in two tilapia species: *Oreochromis niloticus* and *Tilapia zillii*, 640
- Ronfort, J. *see* Couvet, D.
- Rossi, A.R., Crosetti, D., Gorung, E., Sola, L., Cytogenetic

- analysis of global populations of *Mugil cephalus* (striped mullet) by different staining techniques and fluorescent *in situ* hybridization, 77
- Rubini, M. *see* Comincini, S.
- Ruiz-Dubreuil, G., Burnet, B., Connolly, K., Furness, P., Larval foraging behaviour and competition in *Drosophila melanogaster*, 55
- Salvadori, S. *see* Deiana, A.M.
- Schllichting, C.D. *see* Pigliucci, M.
- Shaw, M.W. *see* Herrera, J.A.
- Shimamoto, Y. *see* Ohara, M.
- Siegismund, H.R. *see* Arctander, P.
- Simon, J.-C., Carrel, E., Hebert, P.D.N., Dedryver, C.A., Bonhomme, J., Le Gallic, J.-F., Genetic diversity and mode of reproduction in French populations of the aphid *Rhopalosiphum padi* L., 305
- Sironi, M. *see* Comincini, S.
- Slatkin, M., Excoffier, L., Testing for linkage disequilibrium in genotypic data using the Expectation-Maximization algorithm, 377
- Sola, L. *see* Rossi, A.R.
- Spaak, P., Temporal changes in the genetic structure of the *Daphnia* species complex in Tjeukemeer, with evidence for backcrossing, 539
- Spruell, P., Thorgaard, G.H., SINE sequences detect DNA fingerprints in salmonid fishes, 317
- Stewart, S.C. *see* Chapman, T.W.
- Strong, D.R. *see* Cronin, J.T.
- Szmidt, A.E., Wang, X.-R., Lu, M.-Z., Empirical assessment of allozyme and RAPD variation in *Pinus sylvestris* (L.) using haploid tissue analysis, 412
- Takeda, H. *see* Ohara, M.
- Thomas, B.J. *see* Thomas, H.M.
- Thomas, H.M., Thomas, B.J., Meiosis of triploid *Lolium*. III. Synaptonemal complex formation in the two inverse autoallotriploids of *L. temulentum* and *L. multiflorum*, TTM and TMM, 28
- Thorgaard, G.H. *see* Spruell, P.
- Tobias, A.M. *see* Brooks, R.J.
- Torti, C. *see* Malacrida, A.R.
- Triantaphyllidis, C. *see* Apostolidis, A.
- Uyenoyama, M.K. *see* Richman, A.D.
- van Alphen, J.J.M. *see* Pijls, J.W.A.M.
- van Batenburg, F.H.D., Gittenberger, E., Ease of fixation of a change in coiling: composer experiments on chirality in snails, 278
- van Steenbergen, H.J. *see* Pijls, J.W.A.M.
- Vilardi, J. *see* Matrajt, M.
- Virk, P.S., Ford-Lloyd, B.V., Jackson, M.T., Pooni, H.S., Clemeno, T.P., Newbury, H.J., Predicting quantitative variation within rice germplasm using molecular markers, 296
- Walker, D.I. *see* Waycott, M.
- Wang, J., Inbreeding coefficient and effective size for an X-linked locus in nonrandom mating populations, 569
- Wang, X.-R. *see* Szmidt, A.E.
- Waycott, M., Walker, D.I., James, S.H., Genetic uniformity in *Amphibolis antarctica*, a dioecious seagrass, 578
- Zapata, C. *see* Alvarez, G.
- Zera, A.J. *see* Gu, X.
- Zivy, M. *see* de Vienne, D.
- Zouros, E. *see* Lamnissou, K.