

Author Index

- Allainguillaume, J. *see* Wilkinson, M. J.
Aluka, P. *see* Marshall, A. H.
Alvarez, G. *see* Rolán-Alvarez, E.
Amigues, Y. *see* Pépin, L.
Anderson, W. W. *see* McCarthy, E. M.
Araneda, C. *see* Gallardo, M. H.
Asmussen, M. A. *see* McCarthy, E. M.
- Backeljau, T. *see* Van Dongen, S.
Bahrman, N. *see* Plomion, C.
Bancroft, D. R., Pemberton, J. M., King, P., Extensive protein and microsatellite variability in an isolated, cyclic ungulate population 326
Bandi, C. *see* Baruffi, L.
Barrett, S. C. H. *see* Fenster, C. B.
Baruffi, L., Damiani, G., Guglielmino, C. R., Bandi, C., Malacrida, A. R., Gasperi, G., Polymorphism within and between populations of *Ceratitis capitata*: comparison between RAPD and multilocus enzyme electrophoresis data 425
Bennett, M. D. *see* Wilkinson, M. J.
Bennett, S. T. *see* Wilkinson, M. J.
Bensaid, A. *see* Pépin, L.
Bergmann, F. *see* Krutovskii, K. V.
Berlocher, S. H., Population structure of *Rhagoletis mendax*, the blueberry maggot 542
Berthier, J.-L. *see* Pépin, L.
Betrán, E., Quezada-Díaz, J. E., Ruiz, A., Santos, M., Fontdevila, A., The evolutionary history of *Drosophila buzzatii*. XXXII. Linkage disequilibrium between allozymes and chromosome inversions in two colonizing populations 188
Bijlsma, R. *see* Kappe, A. L.
Bilger, I. *see* Machon, N.
Binelli, G. *see* Sari-Gorla, M.
Bonhomme, F. *see* Jollivet, D.
Brakefield, P. M. *see* Holloway, G. J.
Burnet, B. *see* Muhammad-Ali, A.-Z. K.
Byrne, T. G. *see* Tourjee, K. R.
- Cabrero, J. *see* López-León, M. D.
Cabrero, J. *see* Pardo, M. C.
Camacho, J. P. M. *see* López-León, M. D.
Camacho, J. P. M. *see* Pardo, M. C.
Capy, P. *see* Das, A.
Carrière, Y., Roitberg, B. D., Evolution of host-selection behaviour in insect herbivores: genetic variation and covariation in host acceptance within and between populations of *Choristoneura rosaceana* (Family: Tortricidae), the obliquebanded leaf-roller 357
- Ceccarelli, M., Minelli, S., Maggini, F., Cionini, P. G., Genome size variation in *Vicia faba* 180
Cermeño, M.-C. *see* Hsám, S. L. K.
Chakraborty, R. *see* Jin, L.
Cionini, P. G. *see* Ceccarelli, M.
Clarke, J. *see* Mithen, R.
Clough, A. *see* Donald, T. M.
Clulow, S. A. *see* Wilkinson, M. J.
Conner, J. *see* Via, S.
Cornuet, J.-M. *see* Oldroyd, B. P.
Crill, W. D. *see* Huey, R. B.
Crouch, J. H., Lewis, B. G., Lydiate, D. J., Mithen, R., Genetic diversity of wild, weedy and cultivated forms of *Brassica rapa* 491
Crozier, R. H. *see* Oldroyd, B. P.
- Dahlgaard, J., Krebs, R. A., Loeschke, V., Heat-shock tolerance and inbreeding in *Drosophila buzzatii* 157
Damiani, G. *see* Baruffi, L.
Das, A., Mohanty, S., Capy, P., David, J. R., Mating propensity of Indian *Drosophila melanogaster* populations with *D. simulans*: a nonadaptive latitudinal cline 562
David, J. R. *see* Das, A.
Dawson, I. K., Simons, A. J., Waugh, R., Powell, W., Diversity and genetic differentiation among subpopulations of *Gliricidia sepium* revealed by PCR-based assays 10
de Jong, J. H. *see* Jacobsen, E.
de Jong, T. J. *see* Wesselingh, R. A.
de la Rúa, P. *see* Galián, J.
Dean, C. *see* Mithen, R.
Desbruyères, D. *see* Jollivet, D.
di Giusto, F. *see* Michaud, H.
Díez, M. *see* Santos, J. L.
Diggle, P. K. *see* Fenster, C. B.
Donald, T. M., Leach, C. R., Clough, A., Timmis, J. N., Ribosomal RNA genes and the B chromosome of *Brachycome dichromosomatica* 556
Duggins, C. F., Jr., Karlin, A. A., Mousseau, T. A., Relyea, K. G., Analysis of a hybrid zone in *Fundulus majalis* in a northeastern Florida ecotone 117
Durel, C.-E. *see* Plomion, C.
- Ebbert, M. A., Variable effects of crowding on *Drosophila* hosts of male-lethal and non-male-lethal spiroplasmas in laboratory populations 227
Evans, G. M. *see* Stammers, M.

- Fedorov, V. B., Fredriksson, R., Fredga, K., Genetic differentiation among populations of *Myopus schisticolor* (the wood lemming) — isozyme variation 267
- Fenster, C. B., Diggle, P. K., Barrett, S. C. H., Ritland, K., The genetics of floral development differentiating two species of *Mimulus* (Scrophulariaceae) 258
- Fielder, D. R. *see* Lavery, S.
- Finkeldy, R., Homogeneity of pollen allele frequencies of single seed trees in *Picea abies* (L.) Karst, plantations 451
- Fontdevila, A. *see* Betrán, E.
- Ford-Lloyd, B. V. *see* Virk, P. S.
- Forster, J. W. *see* Stammers, M.
- Fredga, K. *see* Fedorov, V. B.
- Fredriksson, R. *see* Fedorov, V. B.
- Friebe, B. *see* Hsam, S. L. K.
- Galián, J., Serrano, J., de la Rúa, P., Petitpierre, E., Juan, C., Localization and activity of rDNA genes in tiger beetles (Coleoptera: Cicindelinae) 524
- Gallardo, M. H., Köhler, N., Araneda, C., Bottleneck effects in local populations of fossorial *Ctenomys* (Rodentia, Ctenomyidae) affected by vulcanism 638
- Gallego, A. *see* Jiménez, M. M.
- Gasperi, G. *see* Baruffi, L.
- Gilchrist, G. W. *see* Huey, R. B.
- González-Tizón, A. *see* Martínez-Lage, A.
- Gotoh, T., Oku, H., Moriya, K., Odawara, M., Nucleus–cytoplasm interactions causing reproductive incompatibility between two populations of *Tetranychus quercivorus* Ehara et Gotoh (Acarı: Tetranychidae) 405
- Gregorius, H.-R., Ziehe, M., Detecting independence in viability selection on two traits 70
- Gross, R., Nilsson, J., Application of heteroduplex analysis for detecting variation within the growth hormone 2 gene in *Salmo trutta* L. (brown trout) 286
- Guglielmino, C. R. *see* Baruffi, L.
- Harding, J. *see* Tourjee, K. R.
- Harding, K. *see* Wilkinson, M. J.
- Harris, D. J., Jones, J. S., Genotype-specific habitat selection and thermal ecology in *Nucella lapillus* (L.) (the dogwhelk) 311
- Harris, J. *see* Stammers, M.
- Hayward, M. D. *see* Stammers, M.
- Hebert, P. D. N. *see* Simon, J.-C.
- Henry, J.-P. *see* Machon, N.
- Hewitt, G. M. *see* Pardo, M. C.
- Holloway, G. J., Brakefield, P. M., Artificial selection of reaction norms of wing pattern elements in *Bicyclus anynana* 91
- Hsam, S. L. K. *see* Lutz, J.
- Hsam, S. L. K., Cermeño, M.-C., Friebe, B., Zeller, F. J., Transfer of Amigo wheat powdery mildew resistance gene *Pm17* from T1AL·1RS to the T1BL·1RS wheat-rye translocated chromosome 497
- Huey, R. B., Wakefield, T., Crill, W. D., Gilchrist, G. W., Within- and between-generation effects of temperature on early fecundity of *Drosophila melanogaster* 216
- Humphreys, M. O., Multitrait response to selection in *Lolium perenne* L. (perennial ryegrass) populations 510
- Jackson, M. T. *see* Virk, P. S.
- Jacobsen, E., de Jong, J. H., Kamstra, S. A., van den Berg, P. M. M., Ramanna, M. S., Genomic *in situ* hybridization (GISH) and RFLP analysis for the identification of alien chromosomes in the backcross progeny of potato (+) tomato fusion hybrids 250
- Jiménez, M. M. *see* Santos, J. L.
- Jiménez, M. M., Romera, F., Gallego, A., Puertas, M. J., Genetic control of the rate of transmission of rye B chromosomes. II. 0B × 2B crosses 518
- Jin, L., Chakraborty, R., Population structure, stepwise mutations, heterozygote deficiency and their implications in DNA forensics 274
- Jollivet, D., Desbruyères, D., Bonhomme, F., Moraga, D., Genetic differentiation of deep-sea hydrothermal vent alvinellid populations (Annelida: Polychaeta) along the East Pacific Rise 376
- Jones, J. S. *see* Harris, D. J.
- Juan, C. *see* Galián, J.
- Kalai *see* Warren, J.
- Kamstra, S. A. *see* Jacobsen, E.
- Kappe, A. L., van de Zande, L., Vedder, E. J., Bijlsma, R., van Delden, W., Genetic variation in *Phoca vitulina* (the harbour seal) revealed by DNA fingerprinting and RAPDs 647
- Karlin, A. A. *see* Duggins, C. F., Jr.
- King, P. *see* Bancroft, D. R.
- Köhler, N. *see* Gallardo, M. H.
- Krebs, R. A. *see* Dahlgård, J.
- Krutovskii, K. V., Bergmann, F., Introgressive hybridization and phylogenetic relationships between Norway, *Picea abies* (L.) Karst, and Siberian, *P. obovata* Ledeb., spruce species studied by isozyme loci 464
- Lavery, S., Moritz, C., Fielder, D. R., Changing patterns of population structure and gene flow at different spatial scales in *Birgus latro* (the coconut crab) 531
- Le Brun, N. *see* Moulia, C.
- Leach, C. R. *see* Donald, T. M.
- Lefranc, M. *see* Machon, N.
- Lépingle, A. *see* Pépin, L.
- Levin, D. A., Effect of inbreeding on autogamy in *Phlox* 108
- Lewis, B. G. *see* Crouch, J. H.
- Li, T. X. *see* Michaud, H.
- Limpert, E. *see* Lutz, J.
- Lister, C. *see* Mithen, R.
- Loeschke, V. *see* Tomiuk, J.
- Loeschke, V. *see* Dahlgård, J.

- Long, A. D., Singh, R. S., Molecules versus morphology: the detection of selection acting on morphological characters along a cline in *Drosophila melanogaster* 569
- López-León, M. D. *see* Pardo, M. C.
- López-León, M. D., Cabrero, J., Camacho, J. P. M., Changes in DNA methylation during development in the B chromosome NOR of the grasshopper *Eyprepocnemis plorans* 296
- Loubes, C. *see* Moulia, C.
- Lu, M.-Z., Szmidt, A. E., Wang, X.-R., Inheritance of RAPD fragments in haploid and diploid tissues of *Pinus sylvestris* (L.) 582
- Lumaret, R. *see* Michaud, H.
- Lutz, J., Hsam, S. L. K., Limpert, E., Zeller, F. J., Chromosomal location of powdery mildew resistance genes in *Triticum aestivum* L. (common wheat). 2. Genes *Pm2* and *Pm19* from *Aegilops squarrosa* L. 152
- Lydiate, D. J. *see* Crouch, J. H.
- McCarthy, E. M., Asmussen, M. A., Anderson, W. W., A theoretical assessment of recombinational speciation 502
- Machon, N., Lefranc, M., Bilger, I., Henry, J.-P., Isoenzymes as an aid to clarify the taxonomy of French elms 39
- Maggini, F. *see* Ceccarelli, M.
- Malacrida, A. R. *see* Baruffi, L.
- Marin, R. *see* Moulia, C.
- Marshall, A. H., Michaelson-Yeates, T. P. T., Aluka, P., Meredith, M., Reproductive characters of interspecific hybrids between *Trifolium repens* L. and *T. nigrescens* Viv. 136
- Martínez-Lage, A., González-Tizón, A., Méndez, J., Chromosomal markers in three species of the genus *Mytilus* (Mollusca: Bivalvia) 369
- Méndez, J. *see* Martínez-Lage, A.
- Mendlinger, S., Zohary, D., The extent and structure of genetic variation in species of the Sitopsis group of *Aegilops* 616
- Meredith, M. *see* Marshall, A. H.
- Michaelson-Yeates, T. P. T. *see* Marshall, A. H.
- Michaud, H., Toumi, L., Lumaret, R., Li, T. X., Romane, F., di Giusto, F., Effect of geographical discontinuity on genetic variation in *Quercus ilex* L. (holm oak). Evidence from enzyme polymorphism 590
- Minelli, S. *see* Ceccarelli, M.
- Misir, S. *see* Warren, J.
- Mithen, R. *see* Crouch, J. H.
- Mithen, R., Clarke, J., Lister, C., Dean, C., Genetics of aliphatic glucosinolates. III. Side chain structure of aliphatic glucosinolates in *Arabidopsis thaliana* 210
- Mohanty, S. *see* Das, A.
- Moraga, D. *see* Jollivet, D.
- Moritz, C. *see* Lavery, S.
- Moriya, K. *see* Gotoh, T.
- Moulia, C., Le Brun, N., Loubes, C., Marin, R., Renaud, F., Hybrid vigour against parasites in interspecific crosses between two mice species 48
- Mousseau, T. A. *see* Duggins, C. F., Jr.
- Muhammad-Ali, A.-Z. K., Burnet, B., Ethanol tolerance and variation at the alcohol dehydrogenase (*Adh*) locus of *Drosophila mauritiana* 438
- Nesbitt, K. A., Potts, B. M., Vaillancourt, R. E., West, A. K., Reid, J. B., Partitioning and distribution of RAPD variation in a forest tree species, *Eucalyptus globulus* (Myrtaceae) 628
- Newbury, H. J. *see* Virk, P. S.
- Nilsson, J. *see* Gross, R.
- Odawara, M. *see* Gotoh, T.
- Oku, H. *see* Gotoh, T.
- Oldroyd, B. P., Cornuet, J.-M., Rowe, D., Rinderer, T. E., Crozier, R. H., Racial admixture of *Apis mellifera* in Tasmania, Australia: similarities and differences with natural hybrid zones in Europe 315
- O'Malley, D. M. *see* Plomion, C.
- Pamilo, P. *see* Seppä, P.
- Pardo, M. C., López-León, M. D., Hewitt, G. M., Camacho, J. P. M., Female fitness is increased by frequent mating in grasshoppers 654
- Pardo, M. C., López-León, M. D., Viseras, E., Cabrero, J., Camacho, J. P. M., Miotic instability of B chromosomes during embryo development in *Locusta migratoria* 164
- Pemberton, J. M. *see* Bancroft, D. R.
- Pé, M. E. *see* Sari-Gorla, M.
- Pépin, L., Amigues, Y., Lépingle, A., Berthier, J.-L., Bensaid, A., Vaiman, D., Sequence conservation of microsatellites between *Bos taurus* (cattle), *Capra hircus* (goat) and related species. Examples of use in parentage testing and phylogeny analysis 53
- Petitpierre, E. *see* Galián, J.
- Plomion, C., Bahrami, N., Durel, C.-E., O'Malley, D. M., Genomic mapping in *Pinus pinaster* (maritime pine) using RAPD and protein markers 661
- Potts, B. M. *see* Nesbitt, K. A.
- Powell, W. *see* Dawson, I. K.
- Puertas, M. J. *see* Jiménez, M. M.
- Qiao, C.-L., Raymond, M., The same esterase B1 haplotype is amplified in insecticide-resistant mosquitoes of the *Culex pipiens* complex from the Americas and China 339
- Quezada-Díaz, J. E. *see* Betrán, E.
- Radwan, J., Male morph determination in two species of acarid mites 669
- Ramanna, M. S. *see* Jacobsen, E.
- Raymond, M. *see* Qiao, C.-L.
- Reid, J. B. *see* Nesbitt, K. A.
- Relyea, K. G. *see* Duggins, C. F., Jr.
- Renaud, F. *see* Moulia, C.
- Riffel, M., Storch, V., Schreiber, A., Allozyme variability of brown trout (*Salmo trutta* L.) populations across the Rhenanian–Danubian watershed in southwest Germany 241

- Rinderer, T. E. *see* Oldroyd, B. P.
- Ritland, K. *see* Fenster, C. B.
- Roff, D. A., The estimation of genetic correlations from phenotypic correlations: a test of Cheverud's conjecture 481
- Roitberg, B. D. *see* Carrière, Y.
- Rolán-Alvarez, E., Zapata, C., Alvarez, G., Distinct genetic subdivision in sympatric and sibling species of the genus *Littorina* (Gastropoda: Littorinidae) 1
- Romane, F. *see* Michaud, H.
- Romera, F. *see* Jiménez, M. M.
- Rowe, D. *see* Oldroyd, B. P.
- Ruiz, A. *see* Betrán, E.
- Santos, J. L., Jiménez, M. M., Díez, M., Synaptic patterns of rye B chromosomes. IV. The B isochromosomes 100
- Santos, M. *see* Betrán, E.
- Sari-Gorla, M., Binelli, G., Pé, M. E., Villa, M., Detection of genetic factors controlling pollen-style interaction in maize 62
- Schappert, P. J., Shore, J. S., Cyanogenesis in *Turnera ulmifolia* L. (Turneraceae). I. Phenotypic distribution and genetic variation for cyanogenesis on Jamaica 392
- Schreiber, A. *see* Riffel, M.
- Seppä, P., Pamilo, P., Gene flow and population viscosity in *Myrmica* ants 200
- Serrano, J. *see* Galián, J.
- Shapcott, A., The spatial genetic structure in natural populations of the Australian temperate rainforest tree *Atherosperma moschatum* (Labill.) (Monimiaceae) 28
- Shore, J. S. *see* Schappert, P. J.
- Simon, J.-C., Hebert, P. D. N., Patterns of genetic variation among Canadian populations of the bird cherry-oat aphid, *Rhopalosiphum padi* L. (Homoptera: Aphididae) 346
- Simons, A. J. *see* Dawson, I. K.
- Singh, R. S. *see* Long, A. D.
- Stammers, M., Harris, J., Evans, G. M., Hayward, M. D., Forster, J. W., Use of random PCR (RAPD) technology to analyse phylogenetic relationships in the *Lolium/Festuca* complex 19
- Storch, V. *see* Riffel, M.
- Szmidt, A. E. *see* Lu, M.-Z.
- Timmis, J. N. *see* Donald, T. M.
- Tomiuk, J., Loeschke, V., Genetic identity combining mutation and drift 607
- Toumi, L. *see* Michaud, H.
- Tourjee, K. R., Harding, J., Byrne, T. G., Complex segregation analysis of *Gerbera* flower colour 303
- Vaillancourt, R. E. *see* Nesbitt, K. A.
- Vaiman, D. *see* Pépin, L.
- van de Zande, L. *see* Kappe, A. L.
- van Delden, W. *see* Kappe, A. L.
- van den Berg, P. M. M.M. *see* Jacobsen, E.
- Van Dongen, S., Backeljau, T., One- and two-sample tests for single-locus inbreeding coefficients using the bootstrap 129
- Van Dongen, S., How should we bootstrap allozyme data? 445
- Vedder, E. J. *see* Kappe, A. L.
- Via, S., Conner, J., Evolution in heterogenous environments: genetic variability within and across different grains in *Tribolium castaneum* 80
- Villa, M. *see* Sari-Gorla, M.
- Virk, P. S., Ford-Lloyd, B. V., Jackson, M. T., Newbury, H. J., Use of RAPD for the study of diversity within plant germplasm collections 170
- Viseras, E. *see* Pardo, M. C.
- Wakefield, T. *see* Huey, R. B.
- Wang, X.-R. *see* Lu, M.-Z.
- Warren, J., Misir, S., Kalai, Isozyme markers for self-compatibility and yield in *Theobroma cacao* (cacao) 354
- Waugh, R. *see* Dawson, I. K.
- Wesselingh, R. A., de Jong, T. J., Bidirectional selection on threshold size for flowering in *Cynoglossum officianale* (hound's-tongue) 415
- West, A. K. *see* Nesbitt, K. A.
- Wilkinson, M. J., Bennett, S. T., Clulow, S. A., Allainguillaume, J., Harding, K., Bennett, M. D., Evidence for somatic translocation during potato dihaploid induction 146
- Zapata, C. *see* Rolán-Alvarez, E.
- Zeller, F. J. *see* Hsam, S. L. K.
- Zeller, F. J. *see* Lutz, J.
- Ziehe, M. *see* Gregorius, H.-R.
- Zohary, D. *see* Mendlinger, S.