

Cambridge University Press

978-0-521-54936-3 - Genes in Ecology: The 33rd Symposium of the British Ecological Society University of East Anglia

Edited by R. J. Berry, T. J. Crawford and G. M. Hewitt

Index

[More information](#)

## AUTHOR INDEX

Figures in *italics* refer to pages where full references appear.

- Abrahamson, W.G. 229, 248  
 Abrams, P. 81, 82, 83, 141, 151, 162  
 Abugov, R. 94, 118  
 Adams, M. 499, 502  
 Agatsuma, T. 261, 275  
 Aguadé, M. 297, 310  
 Ahlquist, J.E. 124, 125, 130, 131, 137, 233, 246, 253  
 Alberts, B. 399, 403  
 Albon, S.D. 119, 388  
 Alexander, H.M. 267, 272, 273, 275  
 Alfí, O.S. 487, 490  
 Al-Hiyaly, S.A. 363, 363  
 Allard, R.W. 277, 435, 437, 445  
 Allen, J.A. 346, 349  
 Allen, T.F. 123, 136  
 Allendorf F.W. 318, 330, 411, 428, 443, 445  
 Allison, A.C. 146, 162, 189, 364  
 Alstad, D.N. 321, 330, 331  
 Altwegg, M. 251  
 Aly, R. 175, 187  
 Amasino, R.M. 188  
 Amato, G.D. 198, 227  
 Amos, B. 252  
 Anamthawat-Jonsson, K. 465, 465  
 Andersen, N.M. 321, 327, 331  
 Anderson, D.G. 311  
 Anderson, J.B. 257, 278  
 Anderson, P.M. 322, 325, 331  
 Anderson, P.R. 311  
 Anderson, R.M. 55, 83, 134, 136, 139, 142, 143, 145, 146, 147, 148, 162, 165, 176, 187, 190, 263, 275, 277, 346, 350, 428, 436, 448  
 Anderson, W.W. 67, 83, 84, 87, 88, 118, 119, 316, 331, 332  
 Andersson, M. 148, 162  
 Andrewartha, H.C. 62, 83, 296, 308  
 Anon 273, 275  
 Antonovics, J. 110, 113, 114, 118, 119, 120, 267, 272, 275, 346, 349, 349, 433, 445  
 Aoyagi, Y. 226  
 Aquadro, C.F. 303, 307, 308, 311  
 Arber, W. 170, 187  
 Arca, P. 191  
 Arking, R. 120  
 Armour, J.A.L. 235, 248, 250  
 Arnheim, N. 236, 248  
 Arnold, M.L. 233, 238, 244, 248  
 Arnold, R.L. 233, 248  
 Arnold, S.J. 367, 369, 375, 378, 381, 382, 387, 390, 409, 427  
 Arntzen, J.W. 233, 243, 248  
 Arrighi, F.E. 487, 490  
 Arthur, M. 191  
 Arthur, W. 47, 51, 350  
 Asami, T. 361, 363  
 Ashburner, M. 454, 455  
 Atkinson, W.D. 284, 308, 312, 340, 349, 360, 363  
 Ausubel, F.M. 190, 483  
 Avise, J.C. 233, 242, 246, 248, 251  
 Ayala, F.J. 59, 74, 76, 85, 260, 279, 286, 309, 372, 390, 445, 445, 494, 499  
 Ayers, J.E. 277  
 Baker, C.S. 242, 248  
 Baker, J.P. 495, 499  
 Baker, J.R. 3, 7, 27  
 Baker, R.J. 233, 244, 248  
 Bakkeren, G. 188  
 Balazs, I. 233, 248  
 Ball, E. 248  
 Ballick, M. 250  
 Ballou, J.D. 406, 407, 408, 411, 428, 429, 430  
 Band, S.R. 403  
 Bandel, K. 52  
 Banks, R.G. 428  
 Baquero, F. 462  
 Baranton, G. 253  
 Barbet, A. 249  
 Barbier, E.B. 419, 428  
 Bar-Joseph, M. 277  
 Barker, J.S.F. 428  
 Barnes, P.T. 202, 223, 226  
 Barnosky, C.W. 331  
 Barrett, J. 265, 275  
 Barrett, J.A. 346, 349  
 Barrowclough, G.F. 411, 412, 429  
 Bartholomew, G.A. 365, 382, 384, 387  
 Bartlein, P.J. 331  
 Barton, N.H. 217, 223, 325, 331, 442, 445  
 Basson, M. 418, 428  
 Bateson, M.M. 253

Cambridge University Press

978-0-521-54936-3 - Genes in Ecology: The 33rd Symposium of the British Ecological Society University of East Anglia

Edited by R. J. Berry, T. J. Crawford and G. M. Hewitt

Index

[More information](#)

504

*Author Index*

- Battaglia, F.C. 226  
 Battley, E.H. 207, 223  
 Baverstock, P.R. 499, 502  
 Bayne, B.L. 443, 448  
 Beaumont 288, 435  
 Beck, K. 145, 162  
 Becker, A. 252  
 Becker, M.M. 277  
 Beddington, J.F. 428  
 Begon, M. 342, 344, 347, 349, 350, 351, 360  
 Behling, P.J. 331  
 Bell, G. 89, 118  
 Bell, J.C. 278  
 Bell, K.A. 224  
 Bella, J.L. 488, 490, 491, 493  
 Bellows, T.S. 60, 83, 286, 308, 354, 364  
 Bennett, A.F. 367, 371, 375, 378, 382, 387, 388, 389, 390  
 Bennett, J.H. 32, 51  
 Bennett, M.D. 465  
 Berenbaum, M.R. 155, 162  
 Bermingham, T. 248  
 Berry, A. 298  
 Berry, J. 307, 321, 386, 388  
 Berry, R.J. 40, 51, 431, 432, 433, 436, 437, 441, 442, 443, 445, 446, 447  
 Berryman, A.A. 74, 83  
 Berta, P. 253  
 Berthold, P. 321, 327, 331  
 Bertram, J. 179, 187  
 Berven, K.A. 113, 118  
 Bevan, J.A. 276  
 Beverley, S.M. 257, 275  
 Bevins, C.D. 428  
 Bewley, G.C. 226, 310  
 Bhakdi, S. 186, 187  
 Bickle, T. 172, 187  
 Bijlsma, R. 201, 223  
 Bingham, B. 225  
 Birch, L.C. 281, 282, 296, 308, 309, 434, 446  
 Birdsell, J.B. 22, 26  
 Birkhead, T.R. 240, 248, 252  
 Birsner, U. 252  
 Bjorkman, O. 386, 388  
 Black, J.M. 430  
 Bland, M.M. 308  
 Blau, W.S. 331  
 Block, B.A. 370, 387, 388  
 Bloom, S.E. 491, 493  
 Blower, S.M. 227  
 Blythe, S.P. 60, 62, 65, 83, 84, 86, 336, 350  
 Boag, P.T. 121, 249, 253  
 Bodmer, W.F. 442, 446  
 Boggs, C.L. 373, 388  
 Bohman, K. 178, 188  
 Bonds, D.R. 226  
 Bonner, W.N. 446  
 Bonsall, R.F. 191  
 Border, P.M. 460, 462  
 Boussy, I.A. 494, 497, 499  
 Bouvet, J. 236, 253  
 Bowers, R.G. 347, 349, 350  
 Boyce, M.S. 66, 83  
 Boycott, A.E. 13, 26  
 Bradley, R.D. 248  
 Bradshaw, A.D. 20–21, 26, 158, 163, 321, 331, 363, 363, 432, 433, 439, 440, 443, 445, 446  
 Brannigan, J.A. 190  
 Brasier, C.M. 256, 275  
 Braun, V. 191  
 Bray, D. 403  
 Braylan, R.C. 253  
 Breden, F. 320, 333  
 Breedlove, D.E. 388  
 Bremermann, H.J. 189, 364  
 Brett, R.A. 412, 413, 416, 428  
 Briggs, D. 21, 26, 114, 118  
 Briggs, G.E. 194, 224  
 Brindley, P.J. 269, 275  
 Briot, A. 119  
 Briscoe, D.A. 411, 428  
 Britschgi, T.B. 249  
 Bromfield, E.S.P. 178, 188  
 Bronson, C.R. 269, 277  
 Brooke, M.L. 148, 163  
 Brookes, C.P. 494, 495, 499, 502  
 Brookfield, J.F.Y. 242, 248, 249  
 Brooks, D.B. 123, 136  
 Brooks, D.R. 150, 163, 166  
 Brooks, L.D. 310  
 Browder, L.E. 267, 275  
 Brown, A.H.D. 276  
 Brown, J.H. 132, 136  
 Brown, S.J. 165  
 Brown, W.M. 251  
 Brubaker, L. 331  
 Brubaker, L.B. 332  
 Brubaker, R.R. 176, 188  
 Brues, A.M. 433, 446  
 Bruford, M.W. 231, 235, 249  
 Brugger, K. 430  
 Bruns, T.D. 233, 249  
 Brussard, P.F. 388  
 Bryant, E.H. 441, 446  
 Bryga, H. 121, 319, 321, 333  
 Buchanan-Wollaston, V. 186, 188  
 Buck, S.A. 120  
 Buckland, R.A. 490  
 Buckner, C.M. 248  
 Bull, A.T. 175, 188  
 Bulmer, M.G. 217, 224, 287, 309  
 Bumpus, H.C. 437, 446

Cambridge University Press

978-0-521-54936-3 - Genes in Ecology: The 33rd Symposium of the British Ecological Society University of East Anglia

Edited by R. J. Berry, T. J. Crawford and G. M. Hewitt

Index

[More information](#)*Author Index*

505

- Burdon, J.J. 260, 265, 266, 275, 276  
 Bürger, R. 218, 224  
 Burgess, J.C. 428  
 Burggren, W.W. 382, 386, 388  
 Burke, T. 124, 136, 233, 235, 240, 241, 248, 249, 250  
 Burlando, B. 128, 136  
 Burns, J.A. 194, 195, 196, 205, 214, 222, 225  
 Burns, J.M. 368, 390  
 Burton, R.S. 196, 198, 207, 224  
 Bush, G.L. 362, 364  
 Butlin, R.K. 488, 490, 493  
 Bygott, J.D. 429
- Cain, A.J. 15, 18, 19, 20, 22, 23, 25, 26, 35, 36, 38, 40, 47, 50, 51, 433, 437, 446  
 Cairns, E. 249, 250  
 Cairns, S.J. 429  
 Calambokidis, J. 248  
 Callaghan, A. 252  
 Calow, P. 72, 85, 86, 95, 97, 98, 99, 103, 121, 422, 446  
 Calvo, J.M. 188  
 Cameron, R.A.D. 80, 83  
 Campbell, F.S. 276  
 Cangelosi, G.A. 186, 188  
 Cann, R.L. 137  
 Cannon, F. 188  
 Capel, B. 250  
 Cardoso, H. 493  
 Carey, C. 333, 390  
 Carpenter, S.R. 332  
 Carr, S.M. 137  
 Carroll, C.R. 164  
 Carroll, J.B. 407, 411, 428  
 Carter, G.S. 18, 26  
 Carter, P.A. 198, 224, 227, 373, 388, 392  
 Carter, R.E. 249, 471, 472, 474  
 Carvalho, G.R. 235, 242, 249  
 Case, T.J. 82, 86  
 Cassin, R.C. 227, 392  
 Castañera, P. 499, 502  
 Castillo-Chávez, C. 141, 151, 163  
 Caswell, H. 72, 83  
 Caten, C.E. 267, 269, 276, 278  
 Caughley, G. 418, 428  
 Cavalier-Smith, T. 401, 403  
 Cavalli-Sforza, L.L. 189, 364  
 Cavener, D.R. 198, 224  
 Cavers, P.B. 343, 350  
 Chakraborty, T. 462  
 Chambers, A.E. 250  
 Chambers, G.K. 306, 307, 309, 311  
 Chao, L. 173, 188, 189  
 Chappell, M.A. 374, 388, 391  
 Charlesworth, B. 52, 67, 72, 83, 87, 89, 94, 95, 110, 115, 118, 119, 121, 316, 331, 336, 350, 400, 403, 442, 445  
 Charlesworth, P. 312  
 Charnov, E.L. 92, 103, 105, 119  
 Chase, T.E. 256, 276  
 Chen, Y. 227  
 Chenevert, J. 462  
 Cherrett, J.M. 433, 446  
 Chesson, P.L. 338, 341, 350  
 Chew, F.C. 155, 163  
 Chiang, H.C. 281, 309  
 Chigusa, S.I. 226  
 Christianson, F.B. 287, 288, 309, 346, 350  
 Cirocco, W.C. 120  
 Clare, G.K. 398, 403  
 Clare, M.J. 120  
 Clark, A.G. 195, 199, 201, 202, 203, 217, 220, 222, 224, 375, 376, 389  
 Clark, C.W. 418, 428  
 Clark, D.J. 226  
 Clark, M.S. 252  
 Clarke, B.C. 25, 36, 40, 51, 67, 83, 189, 288, 309, 316, 331, 336, 342, 350, 355, 359, 364, 435, 437, 441, 447  
 Clarke, D.D. 265, 266, 269, 276, 277  
 Clausen, J. 439, 442, 447  
 Clay, K. 257, 261, 272, 276, 277  
 Clay, T. 436, 448  
 Clayton, R.P. 490  
 Clegg, M.T. 198, 224  
 Clifford, B.C. 267, 269, 276  
 Clothier, R.B. 267, 269, 276  
 Clutton-Brock, T.H. 108, 119, 377, 388, 410, 428  
 Coffey, M.D. 277  
 Cole, L.C. 88, 119  
 Cole, S.T. 189  
 Coleman, A.W. 233, 242, 249  
 Collignon, J. 250  
 Collins, H.M. 41, 48, 53  
 Comins, H.N. 286, 289, 309  
 Connell, J.H. 45, 51, 434, 447  
 Conway, D.J. 260, 276  
 Conway Morris, S. 402, 403  
 Conway, W.G. 426, 427, 428, 429  
 Cook, L.M. 13, 26, 80, 81, 83  
 Cooke, F. 252  
 Cooper, R. 288, 309  
 Corey, C.A. 53  
 Cossart, P. 462  
 Cotgreave, P. 133  
 Coulson, R.M.R. 245, 249  
 Courtney, S.P. 377, 388  
 Courvalin, P. 191  
 Cousins, S.H. 48, 51  
 Cox, D.R. 251  
 Crampton, J.M. 486, 486

Cambridge University Press

978-0-521-54936-3 - Genes in Ecology: The 33rd Symposium of the British Ecological Society University of East Anglia

Edited by R. J. Berry, T. J. Crawford and G. M. Hewitt

Index

[More information](#)

506

*Author Index*

- Crandall, R.C. 401, 404  
 Crawford, D.L. 370, 388  
 Crec, A. 249  
 Crosby, J.L. 40, 51  
 Crothers, J.H. 437, 446  
 Crow, J.F. 41, 42, 51, 218, 224, 226, 334, 350  
 Crutchfield, J.P. 85  
 Crute, I.R. 265, 269, 276  
 Cui, X. 248  
 Curiale, R.M. 460, 462  
 Curnow, R.N. 95, 121  
 Currie, D.J. 49, 51  
 Curtis, C.F. 249  
 Curtsinger, J.W. 226, 228  
 Cushing, E.J. 331
- Dahlbeck, D. 189, 190  
 Dallas, J.F. 235, 249  
 Damuth, J. 132, 136  
 Darden, T. 310  
 Darji, N. 278  
 Darlington, C. 435  
 Darwin, C.R. 365, 388, 431, 433, 434, 435, 436, 445, 447  
 Datta, N. 180, 189  
 Daugherty, C.H. 246, 249  
 David, J.R. 306, 309  
 Davidson, J. 62, 83  
 Davies, J.B. 499  
 Davies, N.B. 148, 163, 240, 241, 249  
 Davis, B.D. 176, 188  
 Davis, M.B. 294, 318, 322, 324, 331  
 Davis, S.K. 248  
 Davis, W.P. 253  
 Davy, A.J. 483, 483  
 Dawkins, R. 25, 26, 34, 35, 51, 271, 276  
 Day, P.R. 144, 163, 265, 276  
 De Boer, L.E.M. 408, 428  
 De Fries, J.C. 433, 447  
 De Jong, G. 285, 309  
 De la Iglesia, F.A. 214, 215, 216, 225  
 De Nooij, M.P. 266, 268, 269, 276  
 De Vries, H. 434  
 De Wit, P.J.G.M. 191  
 Dean, A.M. 187, 188, 197, 207, 224, 225, 389  
 Decker, M.D. 252  
 Deese, S.F. 308  
 Deevey, E.S. 88, 107, 119  
 Deevey, G.B. 398, 403  
 DeJong, G. 198, 224  
 Delatour, C. 268, 278  
 Dempster, J.P. 338, 350  
 Den Boer, P.J. 295, 309  
 Den Hollander, J. 494, 499  
 Dénarié, J. 189
- Denker 303  
 Denniston 411  
 Denno, R. 156, 160, 163  
 Denno, R.F. 321, 331  
 Derencsenyi, A. 490  
 Dethier, V.G. 156, 163  
 Dewitt, C.W. 279  
 Diehl, S.R. 362, 364  
 Diekmann, O. 72, 84  
 Diem, K. 210, 224  
 Dillistone, F.W. 8, 26  
 DiMichelle, L. 227  
 Dingle, H. 321, 327, 331, 333  
 Dinooor, A. 265, 276  
 Dion, P. 184, 190  
 Ditta, G.S. 190  
 Diver, C. 13, 14, 26, 27  
 Dixon, M.T. 237, 246, 250  
 Dobson, A.P. 142, 163, 417, 418, 425, 428  
 Dobson, C. 269, 275  
 Dobzhansky, T. 6, 12, 19, 20, 21, 22, 26, 27, 296, 309, 376, 388  
 Dodge, D.E. 252  
 Dodson, J. 331  
 Dolf, G. 249  
 Donnell, G.N. 490  
 Donohue, K. 392  
 Doolittle, W.F. 257, 279  
 Double, M. 250  
 Douglas-Hamilton, I. 418, 419, 428  
 Dowling, T.E. 251  
 Downing, J.R. 253  
 Dowson, C.G. 190  
 Doyle, D. 206, 227  
 Doyle, J.J. 253  
 Drenth, W. 309  
 Droge, D.L. 239, 250  
 Dublin, H. 428  
 Dulbecco, R. 188  
 Durand, M.W. 404  
 Dürre, P. 187  
 Dürrenberger, F. 188  
 Dworetzky, B. 331  
 Dykhuisen, D.E. 207, 368, 388, 389  
 Dykhuisen, D.E. 187, 188, 197, 224, 225  
 Dytham, C. 25
- Eanes, W.F. 201, 215, 224, 225  
 Easteal, S. 494, 497, 499  
 Easterby, J.S. 198, 225, 368, 388  
 Ebert, D. 395, 396, 403  
 Economou, A. 250  
 Edgar, B.A. 404  
 Edmunds, G.F.Jr. 321, 330, 331  
 Edmundsen, K.B. 253  
 Edstrom, S. 226  
 Edwards, A. 226

Cambridge University Press

978-0-521-54936-3 - Genes in Ecology: The 33rd Symposium of the British Ecological Society University of East Anglia

Edited by R. J. Berry, T. J. Crawford and G. M. Hewitt

Index

[More information](#)*Author Index*

507

- Edwards, K. 311, 312, 351, 364  
 Edwards, S.V. 251  
 Efstratiadis, A. 486  
 Egeland, J.A. 52  
 Ehrlich, P.R. 149, 150, 152, 153, 376, 388  
 Eisen, H.N. 188  
 Ekman, L. 226  
 Elder, J.F.Jr. 253  
 Eldridge, R. 52  
 Elens, A. 310  
 Elliot, P.O. 309  
 Ellis, P. 409, 429  
 Ellner, S.P. 62, 63, 64, 83, 84, 85  
 Elton, C.S. 3, 4, 4-5, 6, 7, 9, 10, 12, 15, 27, 47, 434, 447  
 Eltringham, S.K. 418, 428  
 Elwood, H. 277  
 Emigh, T.H. 266, 228  
 Endler, J.A. 115, 121, 315, 319, 320, 321, 322, 324, 325, 326, 327, 331, 332, 333, 369, 380, 388, 435, 436, 437, 447, 448  
 Ennos, R.A. 144, 258, 259, 260, 261, 267, 268, 270, 276, 346  
 Epplen, J.T. 252  
 Erlich, H.A. 250, 252, 455, 455, 459  
 Eshed, N. 265, 276, 279  
 Eudey, A.E. 429  
 Evans, H.J. 490  
 Ewald, P.W. 176, 188, 323, 332  
 Ewens, W.J. 315, 332, 372, 388
- Fagerström, T. 151, 163  
 Falconer, D.S. 411, 428, 437  
 Falkow, S. 176, 179, 188, 190  
 Faloona, F.A. 236, 251  
 Farmer, J.D. 85  
 Farrara 265, 276  
 Farrell, B. 152, 154, 163, 165  
 Faucher, C. 189  
 Feder, M.E. 367, 370, 375, 385, 387, 388  
 Feil, R. 390  
 Feldman, M.W. 198, 224, 327, 334, 372, 388  
 Felsenstein, J. 74, 76, 83  
 Fenner, F. 267, 269, 277, 360, 364  
 Ferguson, A. 235, 253  
 Ferro-Luzzi Ames, G. 186, 188  
 Feuer, G. 214, 215, 216, 225  
 Feytmans, E. 310  
 Field, K.G. 249  
 Finlay, B.B. 176, 188  
 Fisher, R.A. 5, 9, 10, 11, 12, 13, 14, 17, 18, 19, 21, 23, 24, 27, 31, 32, 33, 34, 35, 36, 37, 40, 41, 43, 50, 51, 104, 119, 238, 249, 431, 434, 435, 447  
 Flesness, N.R. 406, 428  
 Flook, P.K. 486
- Flor, H.H. 265, 277  
 Foose, T.J. 406, 428, 429  
 Ford, E.B. 3, 5, 10, 11, 12, 13, 14, 15, 17, 18, 19, 21, 23, 27, 36, 37, 38, 43, 49, 51, 87, 119, 432, 437, 447  
 Ford, H.D. 27  
 Förster, H. 257, 277  
 Fort, P. 252  
 Fortin, J.A. 249  
 Foster, J.W. 253  
 Frank, S.A. 106, 119  
 Frankham, R. 428  
 Frenzel-Beyme, R. 189, 364  
 Freriksen, A. 225  
 Frischauf, A.M. 253  
 Fritsch, E.F. 474  
 Fritz, R.S. 154, 155, 160, 163  
 Froman, B.E. 392  
 Frost, B.W. 403  
 Fry, J. 157, 163  
 Fry, W.E. 278, 279  
 Fukui, H. 119  
 Fuller, M.F. 227  
 Fulmer, S.L. 85  
 Funaki, K. 491, 493  
 Furner, I.J. 185, 188  
 Futuyama, D.J. 149, 150, 151, 152, 154, 155, 156, 157, 158, 160, 163, 164, 165, 321, 332, 436  
 Fuzukawa, K. 225
- Gabriel, W. 101, 119, 121, 217, 226  
 Galc, J.S. 39, 44, 51  
 Gale, K.R. 486, 486  
 Gall, J.C. 487, 490  
 Gallant, A.R. 83, 84, 85  
 Gallun, R.L. 151, 164  
 Gans, C. 370, 388  
 Garcia de la Vega, C. 490  
 Gardes, M. 233, 234, 249  
 Gardner, A.D. 27  
 Garfinkel, D.J. 188  
 Garland, T. 378, 382, 385, 389, 390  
 Garlick, P.J. 226  
 Garstang, S. 26  
 Gatehouse, C.M. 53  
 Gause, G.F. 175, 188  
 Gebhardt, M.D. 398, 403  
 Geer, B.W. 198, 213, 225, 306, 309  
 Gelfand, D.H. 250, 252, 455, 459  
 Geltmeyer, Y. 278  
 George, M. 137  
 Geraedts, J.P. 488, 490  
 Gerhold, D. 189  
 Geritz, S.A.H. 85  
 Ghiselin, M.T. 124, 136  
 Gibbs, H.L. 233, 241, 249

Cambridge University Press

978-0-521-54936-3 - Genes in Ecology: The 33rd Symposium of the British Ecological Society University of East Anglia

Edited by R. J. Berry, T. J. Crawford and G. M. Hewitt

Index

[More information](#)

508

*Author Index*

- Gibbs, J.N. 256, 275  
 Gibson, J.B. 311  
 Gicquel-Sanzey, B. 462  
 Gielly, L. 253  
 Gierenzer, G. 52  
 Giescl, J.T. 87, 119  
 Gilbert, D.A. 233, 242, 249, 252  
 Gill, D.E. 272, 277  
 Gillespie, J.H. 70, 83, 144, 164  
 Gilpin, M.E. 86, 123, 136, 286, 294, 296, 309, 311, 324, 326, 327, 332, 429  
 Ginsberg, H.S. 188  
 Ginzburg, L.R. 364  
 Giovannoni, S.J. 233, 246, 249  
 Gleaves, T. 432, 447  
 Godfray, H.C.J. 60, 62, 74, 83, 148, 164, 335, 336, 338, 350, 359, 360, 655  
 Goeffroy, C. 462  
 Goff, L.J. 233, 242, 245, 249  
 Gold, J.R. 401, 403  
 Gold, S. 189  
 Goldberg, A.L. 212, 225  
 Gonzalez, D. 257, 279  
 Goodfellow, P.N. 250, 253  
 Goodpasture, C. 491, 493  
 Goodwin, S.B. 277  
 Gordon, D. 172  
 Gordon, M.P. 183, 188, 190  
 Gorham, J. 249  
 Gosalvez, J. 488, 490, 493  
 Gosden, J.R. 487, 490  
 Gottlieb, L.D. 385, 389, 390, 392  
 Gould, F. 141, 151, 157, 163, 164  
 Gould, S.J. 123, 137, 177, 188, 367, 380, 383, 387, 389  
 Goulden, C.E. 404  
 Gourley, R.S. 121  
 Gowaty, P.A. 239, 250  
 Grant, M.C. 318, 333  
 Grant, P.R. 82, 84, 377, 389  
 Grassberger, P. 62, 84  
 Gray, J. 8  
 Gray, L. 187  
 Green, P. 321, 333  
 Greene, H.W. 380, 389  
 Greenhalgh, J.F.D. 226  
 Greenwood, B.M. 276  
 Greenwood, J.J.D. 137  
 Greer, C.E. 236, 250  
 Greig, J.C. 408, 428  
 Grenfell, B. 86  
 Griffith, F. 177, 188  
 Griffiths, B. 253  
 Griffiths, R. 233, 239, 250  
 Grime, J.P. 401, 403  
 Grinnell, J. 346, 350  
 Gromko, M.H. 108, 119  
 Grundmann, A.W. 279  
 Gubbay, J. 233, 239, 250  
 Guetter, P.J. 331  
 Guinness, F.E. 119, 388  
 Gulick, J.T. 21, 22  
 Gulmon, S. 386, 390  
 Gunn, P. 248  
 Gurney, W.S.C. 78, 84, 85, 86  
 Gustaffson, L. 108, 119  
 Gyllensten, U.B. 137  
 Habe, S. 261, 275  
 Hadrys, H. 238, 250  
 Hagedoorn, A.C. 33, 51  
 Hagedoorn, A.L. 33, 51  
 Hagelberg, E. 236, 243, 250  
 Haigh, J. 301, 311  
 Hairston, N.G. 321, 332, 380, 389  
 Haldane, J.B.S. 9, 12, 14, 23, 24, 27, 70, 84, 145, 164, 194, 224, 432, 442, 447  
 Hall, H.G. 486, 486  
 Hall, P. 110, 120  
 Hall-Martin, A. 419, 428  
 Hamid, A.H. 267, 277  
 Hamilton, M.J. 248  
 Hamilton, W.D. 145, 164, 166, 189, 364  
 Hamshere, M. 362, 364  
 Hanaoka, T. 225  
 Hanby, J.P. 429  
 Handel, S.N. 278  
 Hanotte, O. 235, 241, 248, 249, 250  
 Hanski, I. 123, 136, 284, 296, 309, 326, 327, 332, 340, 350  
 Harding, J. 445  
 Hardisson, C. 191  
 Hardwick, K. 443, 446  
 Hardy, A. 7  
 Hare, J.D. 155, 164  
 Harnett, W. 233, 245, 250  
 Harpending, H. 253  
 Harper, E. 402  
 Harper, J.L. 434, 447  
 Harris, H. 441, 447  
 Harris, J.I. 211, 225  
 Harris, R.B. 411, 412, 413, 428  
 Harrison, G.A. 36, 51  
 Harrison, R.G. 233, 244, 250  
 Harrison, S.P. 331  
 Harry, I.B. 265, 277  
 Hartl, D.L. 197, 206, 207, 211, 224, 225, 368, 375, 376, 384, 388, 389  
 Hartnoll, R.G. 398, 403  
 Hartwell, L.H. 399, 403  
 Harvay, P.H. 123, 129, 132, 136, 137, 333, 380, 385, 389, 430  
 Haskins, C.P. 319, 332  
 Haskins, E.F. 332

Cambridge University Press

978-0-521-54936-3 - Genes in Ecology: The 33rd Symposium of the British Ecological Society University of East Anglia

Edited by R. J. Berry, T. J. Crawford and G. M. Hewitt

Index

[More information](#)*Author Index*

509

- Hassell, M.P. 57, 58, 60, 67, 75, 83, 84,  
148, 164, 286, 289, 309, 338, 346, 350,  
351
- Hatchwell, B.J. 249
- Haughn, G.W. 188
- Hawkes, K. 253
- Hawkins, J.R. 253
- Hawthorn, W.R. 343, 350
- Hay, J. 249
- Hayashi, K. 237, 250
- Haydock, J. 252
- Hayes, J.P. 391
- Heather, W.A. 267, 269, 278
- Hebert, P.D.N. 161, 164
- Heckel, D. 70, 84, 119
- Hedgecock, D. 385, 389
- Hedges, R. 250
- Heed, W.B. 281, 309
- Hegmann, J.P. 331
- Heinrich, R. 194, 225, 368, 389
- Heinstra, P.W.H. 198, 225, 306, 308, 309
- Helinski, D.R. 190
- Helm-Bychowski, K.M. 137, 233, 250
- Hemmer, H. 430
- Henco, K. 252
- Hengeveld, R. 434, 447
- Henikoff, S. 185, 188
- Henry, L.L. 404
- Herbst, J. 152, 166
- Herbst, L. 429
- Heslop-Harrison, J.S. 465
- Heuvelman, C.J. 462
- Hewitt, G.M. 245, 250, 325, 331, 488, 490,  
493, 493
- Hewitt, R.E. 332
- Hewston, N. 430
- Hey, J. 215, 225
- Hickey, D.A. 198, 225
- Hiesey, W.M. 439, 442, 447
- Higgins, R.C. 385, 389
- Higuchi, R.G. 236, 250, 252, 137
- Hilbish, T.J. 198, 226
- Hill, N. 249
- Hill, R.R. 277
- Hill, W.G. 202, 225
- Hillen, W. 252
- Hillis, D.M. 123, 136, 231, 237, 245, 246,  
247, 250
- Hochberg, M.E. 346, 350
- Hodge, M.J.S. 31, 32, 33, 51, 52
- Hodgkinson, D.E. 349
- Hodson, A.C. 281, 309
- Hoelzel, A.R. 231, 250
- Hoffmann, A.A. 196, 213, 225, 306, 309
- Hoffmann, R.J. 370, 389
- Hogan, D. 252
- Hohn, B. 183, 186, 188
- Holland, I.B. 187
- Holland, M.M. 332
- Holland, P. 233, 239, 250
- Holloway, G.J. 91, 111, 119
- Holloway, J.D. 161, 164
- Holmes, J.C. 146, 164, 360, 364
- Holt, R.D. 75, 84, 346, 347, 350, 351
- Honoré, N. 185, 189
- Hopkins, N.H. 404
- Hopwood, D.A. 175, 189
- Hori, S.H. 201, 225
- Horn, G.T. 252
- Horn, H.S. 66, 84
- Horsley, D.T. 350
- Hostetler, J.A. 52
- Hötte, B. 190
- Houde, A.E. 320, 332
- Hougouto, N. 306, 310
- Houle, D. 111, 119, 225
- Houlihan, D.F. 212, 225
- Houtz, S. 224
- Howard, J.J. 462
- Hoysak, D.J. 249
- Hsu, T.C. 487, 490, 491, 493
- Hubbell, S.P. 332
- Hubby, J.L. 296, 311
- Hudson, R.R. 301, 303, 304, 310
- Huey, R.B. 367, 371, 375, 380, 381, 382,  
385, 387, 387, 389
- Huffman, G.A. 188
- Hughes, V.M. 180, 189
- Hugo, F. 187
- Human, M.L. 170, 190
- Hunt, J.A. 233, 253
- Hunter, F.M. 248
- Huntley, B. 331
- Hutchinson, G.E. 48, 52, 281, 310, 346,  
351, 365, 389
- Hutchinson, A. 190
- Huxley, A. 434, 447
- Huxley, J.S. 10, 20, 21, 23, 27, 435
- Huxley, T.H. 439
- Ilott, T.W. 276
- Innis, M.A. 237, 250, 455, 455, 459
- Ismach, R.B. 275
- Ito, K. 231, 250
- IUCN 412, 428
- Ives, A.R. 285, 310, 340, 351
- Jablonski, D. 327, 332, 376, 383, 389
- Jackson, A.A. 212, 227
- Jackson, I.J. 473, 474
- Jacobson, M.E. 446
- Jaenike, J. 152, 157, 158, 164, 282, 288, 310
- Jain, S.K. 432, 433, 447
- Jansen, R.K. 153, 164

Cambridge University Press

978-0-521-54936-3 - Genes in Ecology: The 33rd Symposium of the British Ecological Society University of East Anglia

Edited by R. J. Berry, T. J. Crawford and G. M. Hewitt

Index

[More information](#)

510

*Author Index*

- Janzen, D.H. 149, 164  
 Jarosz, A.M. 276  
 Jay, S.C. 398, 404  
 Jayakar, S.D. 70, 84  
 Jayne, B.C. 378, 382, 389  
 Jeffreys, A.J. 124, 136, 235, 246, 249, 250, 251, 254, 417, 428, 472, 474  
 Jeffries, M.J. 347, 351  
 Jelenc, P.C. 188  
 Jenks, S.M. 246, 253  
 Jensen, S.C. 119  
 Jeremiah, S. 248  
 Jermy, T. 152, 164  
 Johnson, R. 278  
 Johnston, A.W.B. 181, 191, 250  
 Johnston, L. 432, 446  
 Jolly, A. 417, 428  
 Jones, C.S. 240, 251  
 Jones, C.W. 486  
 Jones, D.G. 178, 188  
 Jones, D.M. 190  
 Jones, J.S. 342, 351  
 Jones, T.W.A. 386, 389  
 Jordan, N. 114, 119  
 Joshua, S.K. 252  
 Jukes, T.H. 24, 27, 40, 52
- Kacser, H. 194, 195, 196, 205, 214, 222, 225, 368, 390  
 Kadianakis, N. 349  
 Kafatos, F.C. 486  
 Kahn, M.L. 180, 189  
 Kamping, A. 307, 312  
 Kaplan, N.R. 301, 310  
 Kaplan, R.S. 121  
 Karciva, P. 281, 310, 346, 349, 349  
 Karlberg, I. 226  
 Karlin, B. 226  
 Karlin, S. 70, 84  
 Kearney, B. 183, 189  
 Keck, D.D. 447  
 Keen, N.T. 182, 183, 189, 190, 266, 277  
 Keese, M. 150, 152, 154, 156, 157, 159, 160, 163  
 Keightley, P.D. 205, 225  
 Keith, L.E. 199, 202, 222, 224  
 Keith, T.P. 297, 310  
 Kessler, C. 170, 189  
 Kettlewell, H.B.D. 13, 36, 432, 440, 441, 447  
 Kibota, T.T. 388  
 Kice Brown, C. 331  
 Kidd, J. 248  
 Kidd, K.K. 248  
 Kimura, M. 23, 24, 25, 27, 29, 33, 40, 42, 44, 52, 123, 136, 217, 218, 224, 226, 368, 390
- King, C.E. 67, 84, 87, 88, 89, 118, 119, 316, 331  
 King, J.L. 24, 27, 40, 52  
 King, P. 446  
 Kingsolver, J.G. 373, 390  
 Kinlock, B.B. 265, 277  
 Kinschert, T.G. 277  
 Kirschner, M.W. 399, 403  
 Klauke, B. 190  
 Klein, J. 432, 447  
 Klittich, C.J.R. 269, 277  
 Knibb, W.R. 311  
 Knowles, D. 249  
 Kobayashi, D. 189  
 Kocan, K. 249  
 Kocher, T.D. 237, 246, 247, 251, 333, 390  
 Kochman, M. 227  
 Koehler, M.D. 486  
 Koehn, R.K. 198, 209, 210, 211, 226, 443, 448  
 Koella, J.C. 402, 404  
 Kolmer, J.A. 267, 271, 277  
 Koncz, C. 188  
 Koopman, P. 250  
 Korhonen, K. 256, 277  
 Korona, R. 171  
 Koshland, D.E. 226  
 Kosier, B. 190  
 Kot, M. 62, 85, 336, 351, 360, 364  
 Kotze, J.M. 277  
 Koukolíková-Nicola, Z. 188  
 Kouyate, B. 486  
 Kozłowski, J. 100, 101, 119, 120, 121  
 Krakauer, J. 297, 311  
 Kraus, J. 189  
 Krebs, J.R. 251, 323, 333  
 Kreitman, M. 25, 82, 236, 247, 251, 297, 298, 303, 304, 307, 308, 310, 311, 312, 340, 359  
 Krogh, A. 379  
 Kruckeberg, A.L. 386, 390  
 Krüger, D.H. 172, 189  
 Krüger, L. 44, 52  
 Krupa, A.P. 248  
 Kubelik, A.R. 253, 468  
 Kuhl, J. 248  
 Kukla, B.A. 233, 244, 251  
 Kurland, C.G. 188  
 Kutzbach, J.E. 331
- Lace, L.A. 83  
 Lacey, E.P. 116, 119  
 Lachaise, D. 281, 310  
 Lack, D. 8, 13, 102, 119  
 Lacy, R.C. 407, 429  
 Laerm, J. 246, 251  
 Lakich, D. 404



Cambridge University Press

978-0-521-54936-3 - Genes in Ecology: The 33rd Symposium of the British Ecological Society University of East Anglia

Edited by R. J. Berry, T. J. Crawford and G. M. Hewitt

Index

[More information](#)*Author Index*

511

- Lamb, G.E. 248  
 Lambertsen, R.H. 248  
 Lande, R. 89, 119, 217, 218, 226, 375, 390, 411, 412, 429, 442, 448  
 Lane, D.J. 460, 462  
 Langevin, M.L. 309  
 Langley, C.H. 308, 310, 400, 403  
 Lansman, R. 251  
 LaPorte, D.C. 198, 226  
 Larson, A. 401, 404  
 Latter, B.D.H. 217, 226  
 Laudencia-Chinguanco, D.L. 392  
 Lauder, G.V. 367, 384, 390  
 Laughlin, T.F. 253  
 Laurent, M. 278  
 Laurent, P. 225  
 Laurie, C.C. 306, 310  
 Laurie-Ahlberg, C.C. 199, 202, 213, 215, 223, 225, 226, 228, 307, 308, 310  
 Lawrence, C.E. 121  
 Lawrence, D. 189  
 Lawrenson, J.A. 53  
 Laws, R.M. 418, 429  
 Lawton, J.H. 48, 52, 84, 166, 347, 351  
 Le Ray, D. 278  
 Learn, G.L. 483, 483  
 Learn, Jr. G.H. 233, 242, 251  
 Leary, R.F. 318, 330, 443, 445  
 Lebek, G. 400, 404  
 Ledig, F.T. 318, 319, 332, 408, 429  
 Lee, C.C. 188  
 Lee, J.S. 237, 251  
 Lehman, N. 249  
 Lehner, C.F. 404  
 Leigh, E.G. 32, 52  
 Leigh, J.A. 188  
 Leitch, A.R. 465  
 Leith, B.H. 351  
 Lelpi, L. 190  
 Lennon, J.J. 53  
 Lenski, R.E. 173, 189  
 Leonard, K.J. 267, 269, 271, 277  
 Leong, S.A. 277  
 Lerouge, P. 181, 189  
 Leslie, J.F. 377, 390  
 Lessa, E.P. 233, 237, 244, 251  
 Lessells, C.M. 102, 115, 119, 251  
 Leuchtman, A. 257, 261, 277  
 Leung, H. 259, 277  
 Levene, H. 287, 311  
 Levin, B.R. 145, 164, 170, 171, 172, 173, 176, 177, 178, 188, 191, 358, 360, 364  
 Levin, D.A. 114, 120  
 Levin, S.A. 144, 163, 164, 190, 332, 364  
 Levins, R. 81, 84, 287, 311, 365, 390  
 Levinton, J.S. 31, 52  
 Lewin, B. 398, 399, 400, 403  
 Lewis, H. 385, 390  
 Lewis, J. 403  
 Lewis, M.E. 385, 390  
 Lewis, T. 494, 499  
 Lewontin, R.C. 25, 27, 43, 52, 177, 188, 296, 297, 309, 310, 311, 336, 351, 359, 364, 367, 376, 380, 383, 387, 389, 390  
 Li, C.C. 287, 311  
 Li, H. 248  
 Liberman, U. 70, 84  
 Libion-Mannaert, M. 310  
 Licht, P. 371, 375, 380, 388, 390  
 Lictaert, M.C. 310  
 Liley, N.R. 319, 332  
 Linke, R. 404  
 Little, P.F.R. 472, 474  
 Livak, K.J. 253, 468  
 Lloyd, M. 284, 311  
 Lomnicki, A. 315, 316, 332, 359, 364, 434, 437, 448  
 Lopez-Fernandez, C. 490, 493  
 Lorang, J. 189  
 Lotka, A.J. 346, 351  
 Lovell-Badge, R. 250, 253  
 Loxdale, H.D. 494, 495, 498, 499, 500, 502  
 Lubchenco, J. 329, 332  
 Lucchesi, J.C. 226, 310  
 Lucchini, G.M. 233, 251  
 Luckinbill, L.S. 115, 120  
 Lund, J.K. 250  
 Lundholm, K. 212, 226  
 Luria, S.E. 170, 174, 190  
 Lutz, F.E. 16, 17, 27  
 Lutz, R.A. 327, 332  
 Lyles, A.M. 333, 417, 425, 426, 428, 429, 430  
 Lymbery, A.J. 258, 261, 279  
 Lynch, C.B. 369, 391  
 Lynch, M. 217, 226, 407, 417, 429  
 MacArthur, R.H. 56, 66, 67, 69, 81, 84, 88, 120, 287, 311, 431, 448  
 McBride, J.S. 260, 276  
 McCafferty, S.S. 152, 158, 163  
 McCaffrey, D.F. 64, 83, 84, 85  
 McCall, P.J. 486  
 McChesney, F. 59, 85  
 McClearn, G.E. 433, 447  
 McClelland, B. 253, 467, 468, 469  
 McClure, M. 156, 160, 163  
 McConnell, D.J. 172, 190  
 McDermott, J.M. 277  
 McDonald, B.A. 233, 242, 251, 260, 261, 277  
 McDonald, J.H. 304, 308, 311  
 McDonald, P.R. 212, 226

Cambridge University Press

978-0-521-54936-3 - Genes in Ecology: The 33rd Symposium of the British Ecological Society University of East Anglia

Edited by R. J. Berry, T. J. Crawford and G. M. Hewitt

Index

[More information](#)

512

*Author Index*

- Mace, G.M. 132, 136, 406, 407, 411, 418, 419, 428, 430
- Mace, R. 418, 419, 429
- McGlone, M.S. 331
- McGraw, J.B. 114, 120
- McGuire, T. 249
- McIntosh, R.P. 435, 448
- McKechnie, S.W. 309
- Mackenzie, A. 157, 164
- Mackman, N. 187
- McKusick, V. 30, 52
- McLaren, I.A. 401, 403
- McLaughlin, J.J.A. 332
- Maclean, N. 249
- McLennan, D.A. 150, 163
- MacLuer 407, 411
- MacMahon, J.A. 332
- McMillan, D.N. 225
- McMurtrie, R.E. 448
- McNeilly, T. 363
- Maddison, W.P. 385, 390
- Maddox, G.D. 155, 164
- Magurran, A.E. 319, 332
- Maillet, F. 189
- Majiwa, P.A.O. 251
- Maksimova, T.S. 188
- Malawista, S.E. 252
- Malpica, J.M. 428
- Malthus, T. 55
- Mangen, R.L. 281, 309
- Mani, G.S. 81, 359, 364
- Maniatis, T. 474, 483, 486
- Manicom, B.Q. 257, 277
- Manos, M.M. 250
- Manta, V. 170, 189
- Marincovic, D. 372, 390
- Marines, F. 191
- Markgraf, V. 331
- Marks, G.C. 259, 279
- Marks, J. 137
- Maroni, G. 226, 310
- Marquis, R.J. 155, 164
- Marr, A.G. 207, 226
- Martinetti, G. 188
- Martinez, E. 181, 190
- Martinez, J.P. 233, 242, 251
- Martinez-Cruzado, J.C. 310
- Martins, E.P. 385, 390
- Maruyama, T. 297, 311
- Marvel, R. 331
- Mason, P. 148, 165
- Mather, K. 437, 442, 448
- Matson, P.A. 332
- Matsui, S. 493
- Matthews, D.E. 279
- Matthews, P.S. 279
- Maurer, B.A. 132, 136
- Maxwell, D.P. 277
- May, R.M. 45, 52, 55, 56, 63, 67, 81, 83, 84, 86, 128, 133, 134, 135, 136, 137, 139, 142, 143, 145, 146, 147, 148, 149, 162, 164, 165, 176, 187, 189, 190, 263, 275, 277, 285, 310, 315, 321, 333, 335, 336, 338, 340, 350, 351, 364, 425, 426, 428, 429, 432, 436
- Maynard Smith, J. 44, 52, 92, 106, 120, 141, 166, 178, 190, 287, 301, 311, 354, 364, 436, 443, 448, 449
- Mayr, E. 20, 21, 28, 38, 52, 246, 251, 431, 434, 435, 442, 448
- Meagher, T.R. 116, 120
- Mehlitz, D. 278
- Mehrhoff, L.A. 439, 448
- Meier, P.R. 212, 226
- Mekalanos, J.J. 190
- Melillo, J.M. 332
- Menestrina, G. 187
- Mengaud, J. 461, 462
- Merrick, M.J. 175, 189
- Merryweather, D.A. 224
- Meschia, G. 226
- Messens, E. 190
- Mettler, L.E. 226
- Metz, J.A.J. 72, 73, 74, 76, 84, 85
- Metzgar, L.H. 428
- Meyer, A. 251
- Michaels, H.J. 164
- Michelmore, R.W. 276
- Michener, C.D. 124, 137
- Midland, S. 189
- Mihok, S. 261, 278
- Milkman, R.D. 369, 390
- Miller, J.F. 186, 190
- Millest, A.L. 486
- Milligan, B.G. 82, 85
- Milligan, L.P. 208, 226
- Millstein, J.A. 74, 83
- Millward, D.J. 208, 212, 226
- Milner-Guillard, E.J. 418, 419, 429
- Minchella, D.J. 252
- Mingjun, L. 248
- Mitchell, A.R. 490
- Mitchell-Olds, T. 266, 278
- Mitter, C. 152, 154, 163, 165
- Mittermeier, R.A. 416, 429
- Mitton, J.B. 318, 333, 371, 390
- Mix, A. 331
- Miyashita, N. 312
- Moar, N.T. 331
- Mock, B.A. 272, 277
- Mode, C.J. 140, 144, 165
- Møller, A.P. 108, 120, 148, 165, 240, 248
- Moller, H. 111, 115, 120, 121
- Moloo, S.K. 251

Cambridge University Press

978-0-521-54936-3 - Genes in Ecology: The 33rd Symposium of the British Ecological Society University of East Anglia

Edited by R. J. Berry, T. J. Crawford and G. M. Hewitt

Index

[More information](#)*Author Index*

513

- Montgomerie, R. 121  
 Mooers, A.Ø. 137  
 Mooney, H.A. 332, 386, 390  
 Moore, J. 147, 165  
 Moore, L.W. 175, 190  
 Moran, G.F. 278  
 Moran, N.A. 152, 165  
 Morgan, M.S. 52  
 Moritz, C. 123, 136, 231, 233, 245, 247, 250, 251  
 Morley, J. 331  
 Morris, R. 226  
 Morris, W.F. 58, 85  
 Morton, N.E. 344, 350  
 Mountford, M.D. 338, 351  
 Mousseau, T.A. 117, 120  
 Moyer, C.L. 249  
 Mueller, L.D. 59, 66, 74, 76, 78, 85  
 Mukai, T. 217, 226  
 Mulaer, M.B. 429  
 Müller, G. 52  
 Mullis, K.B. 236, 251, 252  
 Mundt, C.C. 269, 277  
 Munsterberg, A. 250  
 Muramatsu, T. 212, 226  
 Murdoch, W.W. 338, 350, 351  
 Murphy, B.J. 213, 227  
 Murray, A.W. 399, 403  
 Murray, K.A. 486, 486  
 Myers, R.M. 237, 251  
  
 Nagl, W. 52  
 Nagylaki, T. 217, 227  
 Napoli, C. 190  
 Nash, H.R. 446  
 Nautiyal, C.S. 184, 190  
 Nee, S. 131, 132, 133, 134, 135, 137, 165  
 Nei, M. 244, 247, 252, 257, 258, 278, 297, 311  
 Neigel, C.A. 248  
 Nelson, W.S. 246, 248  
 Nester, E.W. 183, 188, 190  
 Neuhaus, H.E. 386, 390, 391  
 Neuweiler, J. 248  
 Newton, A.C. 259, 278  
 Nicholas, F.W. 202, 225  
 Nichols, N. 121  
 Nichols, W. 493  
 Nicholson, A.J. 58, 59, 62, 65, 78–80, 85, 286, 311  
 Nicholson, B.F. 227  
 Nicolas, M.-H. 189  
 Nieto-Sotelo, J. 483  
 Nijhout, H.F. 398, 404  
 Nilson, E.H. 226  
 Nilsson, T. 166  
 Nisbet R.M. 74, 79, 84, 85, 86  
  
 Nitao, J.K. 162  
 Nixon, B.T. 190  
 Noble, H.R. 446  
 Noble, S.M. 483, 483  
 Nolte, R.J.M. 309  
 Norman, R.A. 226  
 Notermans, S.H.W. 462  
 Nunney, L. 411, 429  
 Nur, N. 102, 120  
 Nutkis, J.E. 253  
 Nybom, H. 233, 242, 251  
 Nychka, D. 64, 83, 84, 85  
 Nylin, S. 166  
  
 Oakeshott, J.G. 198, 227, 299, 311  
 Oates, J.F. 429  
 O'Brien, S.J. 137, 246, 248, 249, 252  
 O'Brochta, D. 190  
 O'Farrell, P.H. 399, 404  
 Ohgushi, T. 315, 333  
 Ohta, T. 33, 42, 52, 368, 390  
 Okumura, J. 226  
 Olby, R.C. 32, 52  
 Old, K.M. 259, 278  
 Olds, E.J. 321, 332  
 Ole-Moiyoi, O. 251  
 Oliver, R.P. 483  
 Olkhovatova, O.L. 188  
 Olney, P.J. 406, 429  
 Olsen, G.J. 462  
 Olson, A.M. 332  
 Olson, R.R. 233, 251  
 Orians, G.H. 434, 448  
 Orias, E. 45, 51  
 Orzack, S.H. 73, 85  
 Oster, G.F. 56, 67, 84  
 Otreno, L.H. 278  
 Otte, D. 324, 333  
 Owens, R.A. 252  
 Oxford, G.S. 494, 499  
  
 Pääbo, S. 251, 253  
 Pacala, S. 380, 391  
 Pacala, S.W. 338, 350, 351  
 Pacc, B. 462  
 Pace, N.R. 462  
 Packard, N.H. 61, 85  
 Packer, C. 240, 252, 409, 429  
 Page, R.D.M. 245, 252  
 Pagel, M.D. 123, 129, 136, 380, 385, 389  
 Paindavoine, P. 257, 278  
 Paine, R. 380, 391  
 Palacios, R. 190  
 Paley, W. 433  
 Palmer, G. 249  
 Palmer, J.D. 164, 233, 252  
 Palmer, J.O. 327, 333

Cambridge University Press

978-0-521-54936-3 - Genes in Ecology: The 33rd Symposium of the British Ecological Society University of East Anglia

Edited by R. J. Berry, T. J. Crawford and G. M. Hewitt

Index

[More information](#)

514

*Author Index*

- Palmer, M.S. 253  
 Palumbi, S.R. 137, 248, 380, 391  
 Pamilo, P. 244, 247, 252  
 Pantin, C.F.A. 439, 448  
 Pardec, A.B. 399, 401, 404  
 Pardue, M.L. 487, 490  
 Parker, G.A. 92, 120, 443, 448  
 Parker, I. 428  
 Parker, J.S. 239, 252  
 Parker, M.A. 160, 165, 265, 266, 269, 272, 278  
 Parker, W.S. 89, 120  
 Parkhouse, R.M.E. 250  
 Parkin, D.T. 350, 474  
 Parlevliet, J.E. 269, 278  
 Parsons, P.A. 196, 213, 225, 306, 309, 442, 446, 448  
 Part, T. 108, 119  
 Partridge, L. 94, 110, 120, 321, 333  
 Passiatore, J.E. 188  
 Pasteur, N. 252  
 Patel, I. 254  
 Pathak, S. 490  
 Patton, J.C. 251  
 Pautou, G. 253  
 Pays, E. 278  
 Pearce, D.W. 428  
 Pearson, P.L. 490  
 Penhoet, E.E. 211, 227  
 Pereira, J.M. 462  
 Perez-Diaz, J.C. 462  
 Perkins, D.D. 384, 391  
 Perrott, R.A. 331  
 Perry, J.N. 58, 85  
 Persing, D.H. 233, 245, 252  
 Peters, J. 446  
 Peterson, C.H. 332  
 Peterson, G.M. 331  
 Peterson, R.G. 226  
 Peterson, S.C. 160, 163  
 Petit, A. 184, 191  
 Petras, M.L. 437, 448  
 Petrie, M. 148, 165  
 Petry, D. 70, 71, 78, 86  
 Philippi, T.E. 157, 158, 164  
 Pianka, E.R. 66, 85, 89, 120  
 Pichersky, E. 389  
 Pickering, J. 347, 351  
 Pierson, L.S. 176, 191  
 Pimentel, D. 176, 190  
 Place, A.R. 196, 207, 224, 227  
 Plastow, G.S. 462  
 Plowright, R.C. 398, 404  
 Poldmaa, T. 121  
 Pollard, E. 338, 350  
 Pomerantz, M.J. 86  
 Poole, J.H. 418, 425, 429  
 Post, R.J. 486, 486  
 Postic, D. 253  
 Pough, F.H. 368, 391  
 Poulton, E.B. 7  
 Povey, S.R. 119, 248, 254  
 Powell, J.R. 198, 227  
 Powers, D.A. 198, 227, 233, 245, 252, 370, 372, 381, 382, 388, 391  
 Prager, E.M. 137  
 Prakash, C.S. 267, 269, 278  
 Pratt, D.M. 275  
 Prell, W.L. 331  
 Prentice, I.C. 331  
 Pretzman, C. 253  
 Price, P.W. 148, 165, 248, 258, 278  
 Price, T. 233, 246, 252  
 Primack, R.B. 110, 113, 114, 118, 120  
 Pringle, J.W.S. 8  
 Pritchard, M. 191  
 Procaccia, I. 62, 84  
 Promé, J.C. 189  
 Prosser, C.L. 370, 387, 391  
 Prout, T. 59, 85  
 Province, W.B. 6, 9, 25, 28, 34, 52, 431, 448  
 Pugliese, A. 101, 120  
 Pulliam, H.R. 332  
 Pusey, A.E. 252, 429  
 Pyke, G.H. 110, 120  
 Qattlebaum, W.F. 312  
 Queal, M.L. 12, 27  
 Quinn, J.S. 252  
 Quinn, T.W. 233, 239, 241, 252  
 Rabenold, K.N. 252  
 Rabenold, P.P. 233, 239, 240, 252  
 Rafalski, J.A. 253, 468  
 Raff, M. 403  
 Ragge, D.R. 441, 448  
 Ragland, C.J. 403  
 Ralls, K. 318, 333, 406, 408, 413, 428, 429, 430  
 Rand, D.A. 64, 85  
 Rapoport, S.M. 194, 225, 368, 389  
 Rassmann, K. 235, 252  
 Ratcliffe, F.N. 267, 269, 277, 360, 364  
 Rausher, M.D. 116, 117, 120, 141, 151, 152, 154, 155, 157, 165  
 Raven, C. 8, 28  
 Raven, P.H. 149, 150, 152, 153, 163  
 Rawlings, P. 351  
 Ray, C. 294, 311  
 Ray, J. 433  
 Raymond, M. 233, 243, 252  
 Read, A.F. 137  
 Read, B. 416, 430  
 Ready, P.D. 249

Cambridge University Press

978-0-521-54936-3 - Genes in Ecology: The 33rd Symposium of the British Ecological Society University of East Anglia

Edited by R. J. Berry, T. J. Crawford and G. M. Hewitt

Index

[More information](#)*Author Index*

515

- Real, L.A. 119, 332  
 Reeb, C.A. 248  
 Reeds, P.J. 208, 226, 227  
 Rees, C.J.C. 155, 165  
 Reeves, P. 173, 190  
 Regal, P.J. 332  
 Rendel, J.M. 369, 391  
 Renz, A. 250  
 Reznick, D.A. 115, 120, 121, 319, 321, 322, 333  
 Richards, O.W. 6, 7, 9, 10, 12, 14, 28, 50, 52  
 Richardson, B.J. 495, 496, 499, 500, 502  
 Richman, A.D. 233, 246, 252  
 Ricklefs, R. 161, 165  
 Ridley, M. 129, 137  
 Riesner, D. 237, 252  
 Rigby, D.L. 310  
 Rishbeth, J. 256, 278  
 Risser, P.G. 332  
 Ritchie, J.C. 331  
 Ritchie, M.G. 493  
 Roach, D.A. 113, 121  
 Roberts, J.W. 404  
 Roberts, K. 403  
 Roberts, N. 331  
 Robertson, A. 202, 227, 297, 311, 428  
 Robinson, J.J. 248  
 Robinson, S.K. 148, 165  
 Robson, G.C. 6, 7, 9, 10, 12, 14, 28, 50, 52  
 Robson, T. 249  
 Roche, P. 189  
 Rodgers, D.A. 438, 448  
 Roelofs, A.P. 260, 275  
 Roff, D.A. 117, 120  
 Rogstad, S.H. 233, 252  
 Rollinson, D. 494, 499  
 Romero, D. 190  
 Ronquist, F. 166  
 Ronson, C.W. 186, 190  
 Root, R.B. 132, 137, 155, 164  
 Rosa, P.A. 245, 252  
 Rose, M.R. 111, 115, 121  
 Rosenzweig, M.L. 49, 52, 141, 151, 165  
 Rosewell, J. 45, 53, 283, 285, 286, 289, 293, 294, 295, 311, 312, 340, 351, 364  
 Ross, D.M. 387, 391  
 Roth, G. 403, 404  
 Rothschild, M. 436, 448  
 Rothstein, S.I. 148, 165  
 Rottluff, B. 404  
 Roughgarden, J. 65, 67, 70, 84, 85, 316, 333, 380, 391  
 Rowan, R. 233, 245, 252  
 Rubenstein, D.I. 66, 84  
 Ruddiman, W.F. 331  
 Ruelle, D. 64, 85  
 Rufas, J.S. 491, 493  
 Rummel, J. 391  
 Runnegar, B. 52  
 Runstadler, J.A. 251  
 Rutter, W.J. 227  
 Ruusala, T. 188  
 Ryan, M.J. 108, 122  
 Rys, P.N. 252  
 Sage, R.D. 137  
 Saiki, R.K. 236, 252  
 Saint Girons, I. 253  
 St. John, A.C. 212, 225  
 Salinger, M.J. 331  
 Sambrook, J. 471, 472, 474  
 Sang, J.H. 281, 311  
 Sarich, V.M. 124, 137  
 Saunders, N.C. 248  
 Savageau, M.A. 368, 374, 391  
 Sawada, H. 490  
 Schaal, B.A. 233, 242, 251, 253, 261, 278, 287, 312, 483, 483  
 Schaal, J.J. 272, 278  
 Schäfer, R. 234, 252  
 Schaffer, W.M. 60, 62, 85, 89, 121, 151, 336, 351, 360, 364  
 Schaffner, W. 253  
 Scharf, S.J. 252  
 Scharloo, W. 198, 224, 309  
 Schein, R.D. 277  
 Scherssten, T. 226  
 Schierwater, B. 250  
 Schimke, R.T. 206, 227  
 Schliesing, L.J. 403  
 Schlötterer, C. 235, 252  
 Schluter, D. 161, 165  
 Schmalhausen, I.I. 367, 391  
 Schmid, C.W. 137  
 Schoener, T.W. 132, 137  
 Schwan, T.G. 252  
 Schwarzacher, T. 465  
 Searcy, D.G. 190  
 Seeger, W. 187  
 Segal, A. 279  
 Seger, J. 145, 166, 360, 364  
 Seghers, B.H. 319, 332, 333  
 Selander, R.K. 52, 288, 310  
 Sensabaugh, G.F. 250  
 Sessions, S.K. 401, 404  
 Scutin, G. 231, 253  
 Sevigny, J.-M. 403  
 Seward, A.C. 20, 28  
 Seykens, D. 225  
 Shacklock, J.M.L. 403  
 Shaeffer, S.W. 303, 311  
 Shapiro, A.M. 370, 391  
 Sharma, A. 189

Cambridge University Press

978-0-521-54936-3 - Genes in Ecology: The 33rd Symposium of the British Ecological Society University of East Anglia

Edited by R. J. Berry, T. J. Crawford and G. M. Hewitt

Index

[More information](#)

516

*Author Index*

- Sharp, M.A. 388  
 Shaw, R.G. 111, 121  
 Shaw, R.S. 85  
 Sheffield, V.C. 251  
 Shelton, P.R. 359, 364  
 Shen, H. 189  
 Sheppard, P.M. 15, 18, 20, 22, 26, 28, 36, 37, 38, 39, 42, 52, 321, 333, 437  
 Sherman, P.W. 377, 391  
 Shields, W.M. 430  
 Shinefield, H.R. 175, 187  
 Shoeneveiss, D.F. 269, 278  
 Shorrocks, B. 25, 45, 53, 281, 283, 284, 285, 286, 289, 293, 294, 308, 311, 312, 340, 341, 349, 351, 360, 361, 363, 363, 364, 377, 391  
 Shuter, B.J. 401, 404  
 Sibley, C.J. 124, 125, 130, 131, 137, 233, 246, 253  
 Sibly, R.M. 72, 85, 86, 94, 95, 97, 98, 99, 100, 103, 110, 119, 120, 121  
 Siggens, K.W. 462  
 Sikes, S.K. 443, 449  
 Sim, G.K. 485, 486  
 Simberloff, D.S. 380, 392  
 Simmons, G.M. 297, 312  
 Simms, E.L. 117, 120, 154, 155, 160, 163, 166  
 Simon, R. 180, 190  
 Simpson, G.G. 20, 384, 434, 435, 449  
 Sims, J. 189  
 Sinclair, A.H. 233, 239, 253  
 Sinervo, B. 380, 391  
 Singh, P. 398, 403  
 Singleton, T.A. 388  
 Sirohnen, D.A. 493, 493  
 Slater, J.H. 175, 188  
 Slatkin, M. 82, 86, 149, 164, 354, 364, 432, 436, 449  
 Smith, D. 249  
 Smith, G.J. 428  
 Smith, H.G. 110, 121  
 Smith, L.J. 231, 253  
 Smith, M. 189  
 Smith, M.J. 253  
 Smith, M.L. 257, 278  
 Smith, R.H. 94, 110, 120, 121  
 Sninsky, J.J. 250, 455, 459  
 Snow, A.A. 278  
 Snyder, L.R.G. 374, 388, 391  
 Sobel, Z. 279  
 Sober, E. 55, 86  
 Sogen, M.L. 277  
 Sogin, M.L. 462  
 Sokal, R.R. 124, 137  
 Soltis, D.E. 253  
 Soltis, P.S. 233, 253  
 Somerville, J.E. 189  
 Sorribas, A. 368, 391  
 Soulé, M.E. 324, 332, 411, 412, 429  
 Southwick, C.H. 438, 449  
 Southwood, T.R.E. 88, 121, 149, 161, 166, 449  
 Spaulding, W.G. 331  
 Spielman, A. 252  
 Spratt, B.G. 178, 190  
 Stachel, S.E. 183, 186, 190  
 Stackenbrandt, E. 460, 462  
 Stahl, D.A. 462  
 Stam, L.F. 306, 310  
 Stanfield, S.W. 186, 190  
 Stanley, S.M. 321, 333  
 Stanley-Price, M.R. 426, 430  
 Stanton, M.L. 272, 278  
 Starr, T.B. 123, 136  
 Staskiewicz, B. 183, 189, 190  
 Staudenmair, H. 186, 190  
 Stayton, M. 189  
 Stearns, S.C. 52, 68, 86, 166, 370, 391, 398, 401, 402, 403, 404  
 Stebbins, G.L. 325, 333  
 Stebbins, L. 20, 21  
 Steger, R. 252  
 Steinert, M. 278  
 Steitz, J.A.J. 404  
 Stenlid, J. 260, 278  
 Stenseth, N. 141, 166  
 Stephens, D.M. 323, 333  
 Stevenson, R.D. 382, 389  
 Steward, R.C. 440, 449  
 Stewart, F.M. 189  
 Stewart-Oaten, A. 338, 351  
 Stiller, D. 249  
 Stitt, M. 390  
 Stoffel, S. 252  
 Stokes, T.K. 60, 65, 79, 83, 86  
 Stoneking, M. 137, 253  
 Stoner, G. 320, 333  
 Strätz, M. 187  
 Street-Perrott, F.A. 331  
 Stresemann 5  
 Strobeck, C. 233, 241, 254, 287, 301, 312  
 Strong, D.R. 149, 152, 154, 161, 166  
 Stubbs, M. 286, 312  
 Suárez, J.E. 179, 191  
 Sugihara, G. 60, 63, 86, 336, 351  
 Suit, J.L. 174, 190  
 Sukumar, 419, 429  
 Sulzback, D.S. 369, 391  
 Summers, M. 208, 226  
 Sumner, A.T. 488, 490  
 Sumner, C.J. 305, 312  
 Susaki, M. 493  
 Sutcliff, J.G. 190

Cambridge University Press

978-0-521-54936-3 - Genes in Ecology: The 33rd Symposium of the British Ecological Society University of East Anglia

Edited by R. J. Berry, T. J. Crawford and G. M. Hewitt

Index

[More information](#)*Author Index*

517

- Svanborg Edén, C. 176, 177, 178, 189, 191  
 Swales, K.W. 258, 259, 260, 261, 267, 268, 270, 276  
 Swan, M.S. 227, 392  
 Swanson, T.M. 428  
 Sweigard, J.A. 279  
 Sykes, B. 250  
 Szumski, F.M. 224
- Tabak, L.M. 249  
 Taberlet, P. 236, 237, 253  
 Taggart, J.B. 235, 253  
 Taigen, T.L. 383, 392  
 Tait, A. 256, 257, 260, 278  
 Tait, R.C. 385, 392  
 Takens, F. 61, 86  
 Tamaki, S. 189  
 Tanda, S. 201, 225  
 Tansley, A.G. 444, 449  
 Taper, M. 82, 86  
 Tasaki, I. 226  
 Tauber, C.A. 321, 334  
 Tauber, M.J. 321, 334  
 Tautz, D. 235, 252, 253  
 Tax, S. 20, 28  
 Taylor, A. 58, 86  
 Taylor, B. 101, 121  
 Taylor, H.M. 100, 121  
 Taylor, J.W. 249  
 Taylor, L.R. 295, 312  
 Taylor, P.D. 98, 115, 121  
 Taylor, S. 252  
 Taylor, W.D. 404  
 Telford, III S.R. 252  
 Tempé, J. 184, 191  
 Templeton, A.R. 243, 253, 319, 334, 408, 416, 430, 442, 449  
 Tessier, A.J. 396, 404  
 Thein, S.L. 136, 251, 428, 474  
 Theines, C. 188  
 Thibault-Balesdent, M. 268, 278  
 Thicme, H.R. 189, 364  
 Thoday, J.M. 442, 449  
 Thomas, J.E. 404  
 Thomas, R.H. 233, 253  
 Thomas, S.C. 343, 345, 352  
 Thomas, W.K. 233, 236, 243, 253  
 Thomas, W.R. 59, 74, 86  
 Thompson, A.M.B. 249  
 Thompson, J.N. 150, 166  
 Thompson, M.C. 495, 498, 499  
 Thompson, R.C.A. 258, 261, 279  
 Thompson, R.S. 331  
 Thomsen, J.B. 418, 429  
 Thordal-Christensen, H. 189  
 Thornback, J. 429  
 Thorpe, J.P. 123, 137  
 Thorpe, W.H. 7  
 Thürig, G.E.W. 309  
 Thurston, J.P. 249  
 Tibayrenc, M. 260, 279  
 Tingey, S.V. 253, 468  
 Tomashow, L.S. 175, 176, 191  
 Tomlinson, C. 411, 430  
 Tooley, P.W. 260, 267, 278, 279  
 Topping, J.C. 437, 448  
 Torres, A.R. 465  
 Travis, G.D. 41, 48, 53  
 Travis, J. 380, 392  
 Trexler, J.C. 380, 392  
 Tricu-Cuot, P. 179, 191  
 Triggs, G.S. 446  
 Trivers, R.L. 238, 253  
 Truchet, G. 189  
 Truty, G.L. 85  
 Tsacas, L. 281, 310  
 Tuljapurkar, S.D. 73, 85, 86, 364  
 Turchin, P. 58, 85  
 Turelli, M. 70, 71, 78, 86, 217, 218, 220, 223, 227  
 Turesson, G. 439, 449  
 Turkington, R. 439, 448  
 Turner, B.C. 384, 391  
 Turner, B.J. 233, 242, 253  
 Turner, F.M. 26  
 Turner, J.R.G. 31, 32, 36, 37, 38, 48, 52, 53  
 Tuttle, M.D. 108, 122  
 Twitty, V.C. 385, 392
- Ullrich, R.C. 256, 276  
 Urbaneck, A.J. 52  
 Uvarov, B. 398, 404
- Valentine, J.W. 52  
 Valentine, R. 227  
 Van Aarde, R.J. 446  
 Van Beroldingen, C.H. 250  
 Van Dam, K. 368, 392  
 Van Damme, J.M.M. 266, 268, 269, 276  
 Van Delden, W. 201, 223, 307, 312  
 Van den Ackerveken, G.F.J.M. 191  
 Van Den Bussche, R.A. 248  
 Van der Plank, J.E. 144, 166  
 Van Der Ploeg, M. 490  
 Van Etten, H.D. 268, 279  
 Van Herrewege, J. 306, 309  
 Van Hove, B. 191  
 Van Kan, J.A.L. 183, 191  
 Van Montagu, M. 190  
 Van Valkenburgh, B. 137  
 Vermeij, G.J. 151, 166  
 Via, S. 157, 160, 166, 270, 279  
 Vicente, M.F. 462

Cambridge University Press

978-0-521-54936-3 - Genes in Ecology: The 33rd Symposium of the British Ecological Society University of East Anglia

Edited by R. J. Berry, T. J. Crawford and G. M. Hewitt

Index

[More information](#)

518

*Author Index*

- Vigilant, L. 233, 243, 253  
 Vilgalys, R. 257, 279  
 Vilablanca, F.X. 251, 253  
 Villar, C.J. 191  
 Villarreal Gonzalez, M.J. 279  
 Vincent, T.L. 165  
 Vincente, M.F. 463  
 Vivian, N. 250  
 Vollbach, S. 252  
 Vossepoel, A.M. 490  
 Vrba, E.S. 123, 137  
 Vrieling, K. 155, 166
- Waddington, C.H. 369, 392  
 Wade, M. 409, 427  
 Wagenhofer, M. 252  
 Wagner, G.P. 218, 227  
 Wahl, I. 265, 279  
 Wakeland, E.K. 253  
 Wakelin, D. 265, 279  
 Wales, D.J. 63, 86  
 Walker, W.F. 257, 279  
 Wall, R. 342, 351  
 Wallace, B. 287, 288, 312, 358, 359, 364, 375, 392, 432, 434, 449  
 Wallace, J.C. 188  
 Wallis, G.P. 233, 243, 248  
 Walsh, K. 226  
 Walters, C. 418, 430  
 Walters, S.M. 21, 26, 114, 118  
 Walton, B.M. 383, 392  
 Wang, P.K. 331  
 Wanntorp, H.-E. 161, 166  
 Ward, D.C. 465  
 Ward, D.M. 233, 247, 253  
 Ward, P.J. 205, 227  
 Warren, G. 175, 190  
 Wassom, D.L. 265, 279  
 Waterlow, J.C. 212, 227  
 Waters, M. 211, 225  
 Watson, J.D. 403, 404  
 Watt, W.B. 198, 224, 227, 367, 368, 369, 373, 374, 377, 382, 384, 387, 388, 390, 392  
 Watts, C. 165  
 Waxman, S.A. 174, 191  
 Wayne, R.K. 131, 137, 246, 249, 253  
 Weatherall, D.J. 401, 404  
 Weatherhead, P.J. 249  
 Webb, T.II 331  
 Webb, T.III 324, 325, 334  
 Webster, K.A. 213, 227  
 Wedell, N. 166  
 Weeden, N.F. 385, 389  
 Wehrhahn, C. 445  
 Weiner, A.M. 404  
 Weiner, J. 342, 343, 345, 352
- Weinert, T.A. 399, 403  
 Weinrich, M.T. 248  
 Weir, B.S. 226, 310  
 Weissman, A. 45  
 Welcher, A.A. 463, 465  
 Weller, D.M. 176, 191  
 Weller, R. 253  
 Wells, K.D. 383, 392  
 Wells, R.A. 479, 480  
 Welsh, J. 233, 253, 466, 468  
 Wernars, K. 461, 462  
 Wesley, J.L. 483  
 Weste, G. 259, 279  
 Westerhoff, H.V. 227, 368, 392  
 Wetton, J.H. 474  
 White, B.N. 121, 241, 249, 252  
 White, D.R.W. 185, 186, 191  
 White, T.J. 249, 250, 252, 455, 459  
 Whitham, T.G. 161, 166, 248  
 Whittemore, A.T. 244, 253  
 Wiener, P. 327, 334  
 Wiley, E.O. 123, 136  
 Willard, D.E. 238, 253  
 Williams, C.B. 128, 137  
 Williams, C.M. 398, 404  
 Williams, G.C. 98, 115, 121  
 Williams, J.G.K. 238, 253, 466, 468  
 Williams, P.H. 259, 277  
 Williams, S.M. 233, 241, 254  
 Williamson, M.H. 74, 86, 346, 352  
 Wilson, A.C. 124, 137, 233, 250, 251, 253  
 Wilson, E.O. 56, 66, 67, 69, 84, 380, 392  
 Wilson, H. 64, 85  
 Wilson, M.D. 499  
 Wilson, V. 136, 251, 254, 429, 474  
 Wilton, A.N. 201, 202, 213, 222, 226, 228  
 Winkler, M.G. 331  
 Winship, P.R. 237, 254  
 Woese, C. 233, 244, 246, 254  
 Wolff, R. 249  
 Wong, Z. 234, 241, 254  
 Woodruff, D.S. 430  
 Woolhouse, H.W. 386, 392  
 Wrattton, S.D. 249  
 Wright, H.E.Jr 331  
 Wright, S. 6, 9, 14, 17, 18, 19, 20, 21, 23, 24, 28, 34, 37, 38, 39, 43, 44, 50, 53, 334, 352
- Yamasaki, T. 372, 392  
 Yaraghi, Z. 191  
 Yokoyama, S. 287, 312  
 Yoo, B.H. 157, 166  
 Young, J.P.W. 181, 185, 191, 250  
 Young, J.R. 251  
 Yule, G.U. 435, 449



Cambridge University Press

978-0-521-54936-3 - Genes in Ecology: The 33rd Symposium of the British Ecological Society University of East Anglia

Edited by R. J. Berry, T. J. Crawford and G. M. Hewitt

Index

[More information](#)

---

*Author Index*

519

- |               |          |                 |          |
|---------------|----------|-----------------|----------|
| Zack, S.W.    | 252      | Zimmerman, A.M. | 404      |
| Zambryski, P. | 186, 190 | Zimmerman, E.G. | 493, 493 |
| Zangerl, A.R. | 162      | Zioklo, M.      | 100, 122 |
| Zann, R.      | 248      | Zischler, H.    | 252      |
| Zhang, Q.-Y.  | 190      | Zund, P.        | 400, 404 |
| Zimmat, R.    | 252      | Zwölfer, H.     | 152, 166 |

Cambridge University Press

978-0-521-54936-3 - Genes in Ecology: The 33rd Symposium of the British Ecological Society University of East Anglia

Edited by R. J. Berry, T. J. Crawford and G. M. Hewitt

Index

[More information](#)

## SUBJECT INDEX

- Acclimation processes 369–370  
*Acer rubrum*–*Alsophila pometaria*  
     interaction 157, 158  
 Acetosyringone 183, 186  
*Actinomyces* antibiotic production 175  
 Adaptation 45, 365–387, 433–434  
     allo[en]zyme variants 370  
     bacterial *see* Bacterial adaptation  
     camouflage 4–5  
     community structure 48  
     experimental approach 377–379, 384–  
         386  
     metabolic control theory 196  
     recursive process 366–367, 377  
     translation into net fitness 372–375, 382  
 Adhesins 177, 178  
 African elephant (*Loxodonta edentata*)  
     demography 418–420  
     effects of social systems 425  
     environmental stress 443  
     tuskliness 419–423  
 African lion (*Panthera leo*) 409  
 Aggregation 363  
     cellular automaton model 294–295  
     coexistence of competitors 341  
     competition 284  
     in *Drosophila* 283  
     genetic variability maintenance 360  
     *see also* Probability refuges  
*Agrobacterium* 175  
*Agrobacterium*–plant interaction 169,  
     183–185  
     opines uptake 185, 186  
     *vir* gene activity 183–184, 186  
 Alcohol dehydrogenase (ADH) variants  
     198, 306–308  
 Algal symbiosis, DNA analysis 245  
 Allee effect 425  
 Allelopathy 173, 174, 175  
 Allo[en]zyme electrophoresis  
     cellulose acetate system 494–499  
     multiple deep-frozen samples production  
         500–502  
 Allo[en]zyme variation  
     *Drosophila see Drosophila*  
     in parasite population biology 258  
     genetic diversity estimation 258–259  
     helminth parasite distribution 261  
     *Trypanosoma brucei* transmission 261  
 Allometric growth 10, 11  
  
*Alsophila pometaria* 157  
 Altruism 135  
*Ambrosia*–*Ophraella* interaction 158, 159  
 Amensalism, bacterial 175  
 Amino acid metabolic errors, human 214  
 3'-Aminoglycoside phosphotransferase 179  
 Amish communities 30  
*Ammophila arenaria*–snail habitat 362  
 Amylase variants 198  
*Anaplasma marginale* DNA analysis 245  
 Annuals 113  
*Anopheles gambiae* 486  
*Anthoxanthum odoratum* 349  
 Antibiotics, bacterial production 173,  
     174–176  
 Antibiotics resistance, bacterial 178–180,  
     185  
     plasmids 179  
     transposons 179  
 Aphid alloenzyme electrophoresis 494, 495  
*Aphis fabae*–*Tropaeolum/Vicia* interaction  
     157  
 Arctic fox 4–5, 12  
 Area effects 23  
*Armillaria bulbosa* 256  
*Armillaria mellea* 256  
 Arthropod parasites 142, 148  
     haematophagous, prey identification 245  
 Arthropod parasitoids 142  
 Arthropod–host plant relationships 149–  
     162, 321  
     antiquity of associations 152–154  
     counter adaptation 150  
     coevolution 139–140, 141, 149–152  
     escape-and-radiate 150  
     population biology approach 141  
     congruent cladogenesis 150  
     constraints on evolutionary change 154  
     evolved host preferences 156  
     gene-for-gene models 150  
     host specificity 139, 141, 149  
     insect adaptation constraints 156–160  
     monophagy/polyphagy 151–152  
     plant defences constraints 154–156  
     taxonomic patterns 149  
     trade-offs (selective constraints) 154  
 Arms race 139  
*Asclepias* (milkweeds)–*Tetraopes*  
     coevolution 154  
 Asian lion (*Panthera leo persica*) 409

Cambridge University Press

978-0-521-54936-3 - Genes in Ecology: The 33rd Symposium of the British Ecological Society University of East Anglia

Edited by R. J. Berry, T. J. Crawford and G. M. Hewitt

Index

[More information](#)

522

*Subject Index*

- Asteraceae–*Ophraella* relationship 152, 153
- Atkinsonella hypoxolon* taxonomy 257
- Autographa gamma* 495
- Avirulence genes 182–183
- Azorhizobium* 180
- Bacillus*-antibiotics resistance 179
- Bacterial adaptation 169–187
- antibiotics resistance 178–180, 185
- antibiotics–bacteriocins 173–176
- avirulence genes 182–183
- gene transfer mechanisms 185
- plant–microbe specific interactions 180–183
- response regulator gene families 185–186
- restriction–modification 170–173
- transport systems 186
- virulence, molecular determinants 176–178
- Bacterial interference, medical applications 175
- Bacterial parasites 142
- Bacteriocins 173–176
- Bacteriophage restriction–modification phenomena 170, 171–173
- Baculoviruses 147
- Bean weevil (*Callosobruchus maculatus*)
- chaotic population dynamics 60
- Bee wing venation patterns 16
- Betula* Sp. 468
- Birds
- breeding systems, DNA variation analysis 240–241
- brood parasitism 8, 143, 148–149, 240
- cladogenesis 130–132
- distribution of subtaxa per taxon 128–130, 131–132
- guild structure–competition hypothesis 132–133
- lineage-dependent rates 126–128, 131
- niche saturation effects 131
- temporal trends 128, 131
- colour adaptation 5
- differential predation, melanism and 13
- migratory behaviour 321
- phylogeny 124
- DNA hybridization 246
- mitochondrial DNA analysis 246
- Biston betularia* 440
- Black Rhino (*Diceros bicornis*) population biology 412–416
- population simulation studies 412–416
- Blowflies (*Lucilia cuprina*)
- chaos in laboratory populations 59–60
- population dynamics 58, 62, 65, 78–80
- Body size
- population density relationship 132–133
- related constraints 393–403
- trade-offs 101–102
- Borrelia burgdorferi* 245
- Borrelia* DNA analysis in species identification 245
- Bottlenecks 38, 407
- Bradyrhizobium* 180
- Brood parasitism 8, 143, 148–149
- behavioural polymorphisms evolution 149
- DNA variation analysis 240
- Camouflage, adaptive 4–5, 440
- Campylobacter* kanamycin resistance 179
- Canalization 369
- Cancer cell division 401
- Captive populations management 406–412, 426
- behavioural considerations 408–409
- bottlenecks 407
- effective population size 411
- gene drop (pedigree simulation) method 407, 411
- genetic aims 406
- inbreeding 406, 407, 408
- with incomplete records 411–412
- life-time reproductive success 409–411
- optimal outbreeding 408
- pedigree analysis 406, 411
- Carbohydrate metabolic errors, human 215
- Carnivore cladogenesis 131
- Carrying capacity
- chaos 75
- natural selection 79, 80
- Castanea dentata*–*Alsophila pomataria* interaction 157
- C-banding 487–490
- applications 488–490
- methodology 488
- Cell division, rate constraints 398–399, 401
- Cepaea* 6, 7, 13–15, 18, 19, 20, 36, 342
- differential predation 14
- Chamaelirium luteum* 116
- Chaos 56–65
- attractor 60–65
- carrying capacity 75
- demographic parameters evolution 74–78
- evolutionary change 76
- gene frequency patterns 336–337, 360
- group selection 74
- host–parasite relationships
- dynamics 143
- gene frequencies 360
- polymorphisms 144, 145

Cambridge University Press

978-0-521-54936-3 - Genes in Ecology: The 33rd Symposium of the British Ecological Society University of East Anglia

Edited by R. J. Berry, T. J. Crawford and G. M. Hewitt

Index

[More information](#)

## Subject Index

523

- in laboratory populations 58–60
- model-fitting to field data 56–58
- in natural populations 56, 336
- natural selection 65, 74, 78
- population dynamics 56, 58–60, 353, 354–360
  - density dependent 335–337
  - repellor 64
  - sensitivity to initial conditions 63, 64
- Chimpanzee mitochondrial DNA analysis 243
- Chinese hamster (*Cricetus glisus*) 487
- Chloroplast DNA analysis 244
- Chorthippus* Sp. 488
  - C-banding 488
  - nucleolar organizing region (NOR) silver staining 491, 493
- Christmas Bells (*Blandfordia nobilis*) 110
- Chromosomes
  - C-banding 487–490
  - nucleolar organizing region (NOR) silver staining 491–493
- Chrysolid–host plant coevolution 152
- Cladistics 36
- Cladogenesis
  - avian *see* Birds
  - carnivore 131
  - congruent 150
  - escape-and-radiate coevolution 150
- Cladosporium fulvum* 466–467
- Clarkia* 385–396
- Climate
  - change, biotic diversity outcome 47
  - species richness gradients 48, 49
- Clines 297–299, 319–321, 432
- Clostridium difficile* toxin production 177
- Coadaptation, intrinsic 408, 442
- Cochliobolus heterostrophus* 271
- Cocklebur (*Xanthium strumarium*) seed predation 155
- Coevolution 150, 151, 436
  - host–microparasite *see* Host–microparasite coevolution
  - plant–insect 139–140, 141, 144, 149–162
  - virulence 436
- Coexistence
  - frequency/density-dependent selection maintaining 359
  - host–parasite 347–349, 360
  - probability refuges 340–342, 353, 360–363
  - specialization for resource exploitation 361–363
- Col plasmids 174
- Colias*
  - flight behaviour 373
- phosphoglucose isomerase polymorphism 198, 373–374
- Colicins 174, 175
- Coliphages 172
- Colorado Beetle (*Leptinotarsus quadrilineata*) 58
- Colour adaptation, mammals 4–5
- Community diversity studies 246–247
- Community structure 45–48
- Community turnover 48
- Competition 45
  - apparent for predator-free space 346, 347–348, 349
  - asymmetric 342
  - between species 81–82
  - body size–population density relationship 132–133
  - cellular automaton model 291–294
  - chaotic populations 78
  - Drosophila* aggregation (patches) model 283–287
  - evolution of avoidance 82
  - experimental manipulation 380
  - frequency-dependent selection 346
  - gene frequency stability 353, 354, 355–358
  - host–pathogen coexistence 347–348
  - individual difference effects 342–343, 345
  - life-history trade-offs 69, 78
  - model-fitting to field data 57
  - niche differentiation–aggregation 341
  - patch colonization 133–135
  - patch removal effects 135
  - population dynamics 353
  - probability refuges 340–342, 353, 360–363
  - r*–*K* selection 67, 68, 70
- Congruent cladogenesis 150
- Conservation biology
  - captive populations 406–412, 426
  - economic aspects 426–427
  - effective population size 345
  - endangered species 417–425
  - intensively managed species 412–416
  - oscillations in demographic parameters 316
  - population dynamics 317
  - reintroduction of species 426
- Copepods
  - diapause 321
  - growth rate 401
- Corynebacterium diphtheriae* toxin production 177
- Cotton rat (*Sigmodon arizonae*) 493
- Cowpea weevil (*Callosobruchus maculatus*) 111

Cambridge University Press

978-0-521-54936-3 - Genes in Ecology: The 33rd Symposium of the British Ecological Society University of East Anglia

Edited by R. J. Berry, T. J. Crawford and G. M. Hewitt

Index

[More information](#)

524

## Subject Index

- Crested newt (*Triturus cristatus*) 243  
 Crown gall tumour control 175  
 Crucifer glucosinolates 155  
*Crumenulopsis sororia*  
   monoterpene tolerance 268  
   spatial distribution 260  
 Cuckoo 8  
 Cucurbitacins 157  
*Culex pipiens* insecticide resistance 243  
 Cyanobacteria ribosomal DNA analysis 247  
 Cycles 4, 64
- Danthonia* 257  
*Daphnia*  
   moulting 394  
   size-related constraints in life history 394–398  
 Darwin's finches 13, 377  
 Decapod instar number 398  
 Deer mouse (*Peromyscus*)  
    $\alpha$ -haemoglobin polymorphism 374  
   protective melanism 12  
 Deleterious genes, high-frequency 43  
 Denaturing gradient gel electrophoresis (DGGE) 237, 247  
   hybrid zone studies 244  
 Density dependence 355–349, 353–363  
   chaotic population dynamics 335–337  
   effective population size 343–345  
   fitness 70–71  
   individual differences 342–343, 345  
   in laboratory populations 59  
   predation–parasitism 359  
   selection 65–66, 70–71, 355  
   spatial heterogeneity 337–340  
 Differential predation  
   *Cepaea* 14, 18, 19  
   lepidopteran melanism 13, 440  
*Diodia teres* 114  
 Dispersal, geographical variation 326–327  
 DNA amplification *see* Polymerase chain reaction (PCR)  
 DNA content, cellular 401–402  
 DNA dot blot procedure 485–486  
 DNA fingerprinting 234–235, 386  
   fungi  
     biotrophic 477–478  
     necrotrophic 478–480  
     technique 477–480  
   microsatellite polymorphisms 235, 241  
   minisatellite probes 234, 235, 241, 245  
   multilocus 231, 234, 235, 240, 242  
   technique 474–477  
   parentage analysis 240–241  
   population structure studies 242  
   procedure 469–473  
   single locus 234–235, 240, 241, 245  
     technique 474–477  
 DNA hybridization 231, 234  
   in systematics 124, 246  
 DNA probes  
   preparation 463–465, 473  
   repetitive in species identification 484–486  
 DNA replication 399–400, 401  
 DNA sequencing 236–237  
   parasite species identification 257  
 DNA variation analysis 229–248  
   community diversity studies 246–247  
   ecological applications 238–248  
   gene flow 243  
   introgression–hybrid zones 243–244  
   mating systems 239–241  
   population structure studies 242–243  
   relatedness measurement 240  
   sex identification 238–239  
   source material 231  
   in systematics 245–246  
     species identification 244–245  
   techniques 231–238  
   tissue preservation 231  
 DNA-modification methyltransferases 170  
 Dominance  
   evolution of 37  
   metabolic control theory 195, 196, 205  
   molecular basis 214  
 Douroucouli (*Aotus trivirgatus*) captive populations 408  
 Dragonfly colour dimorphism 5  
 Drift *see* Genetic drift  
*Drosophila* 281–308  
   ADH enzyme polymorphism 198, 303, 306–308  
   aggregation–patches 282–283, 294–295, 296, 361  
   effects on selection 289–291  
   hard–soft selection 288–289  
   allo[en]zymes 296, 297  
   activity variation 215  
   electrophoresis 494  
   gene frequency clines 297–299  
   amylase variants 198  
   cellular automaton model 291–295  
   chaos in laboratory populations 58–59  
   competition 283–287, 291–294  
   DNA replication 400  
   ecology 281–283  
   effective population size 411  
   fecundity 282  
   functional biology in wild 377  
   intrinsic coadaptation 408  
   linkage disequilibrium 376  
   migration 296, 297, 299

Cambridge University Press

978-0-521-54936-3 - Genes in Ecology: The 33rd Symposium of the British Ecological Society University of East Anglia

Edited by R. J. Berry, T. J. Crawford and G. M. Hewitt

Index

[More information](#)

## Subject Index

525

- P elements 400, 402  
 PCR in population biology 453–455  
 redundant DNA 402, 403  
 selection, detection at molecular level  
     300–303  
 survival 281–282  
 viability-associated variants 12  
*Drosophila ananassae* 299  
*Drosophila falleni* 288  
*Drosophila melanogaster* 288, 297, 299  
     ADH enzyme 308  
         functional aspects 306  
     *Adh* locus  
         nucleotide polymorphism 305  
         selection–genetic drift 303–307  
         ‘crossveinless complex’ 369  
     enzyme variation in chromosome  
         replacement lines 199–202  
     laboratory population dynamics 76  
     RFLP analysis of mating systems 241  
     triacylglycerol–glycogen storage 217  
*Drosophila obscura* 12  
*Drosophila pseudoobscura* 19, 296, 297,  
     299  
     esterase-5 locus 372  
     genetic drift 12  
*Drosophila serrata* survival–fecundity 282  
*Drosophila simulans* 299  
     ADH enzyme 308  
         functional aspects 306  
     *Adh* locus  
         nucleotide polymorphism 305  
         selection–genetic drift 303–307  
*Drosophila subobscura* 283  
     competition 286  
     effective population size 344  
*Drosophila yakuba*  
     *Adh* locus nucleotide polymorphism 305  
 Dunnock (*Prunella modularis*) breeding  
     systems, DNA analysis 240–241  
 Dwarf fox population structure 242  
  
 Eastern bluebird (*Sialia sialis*) 239  
 Effective population size 258, 343–345,  
     432, 433  
     captive populations 411  
 Elicitors 182, 183  
 Endangered species  
     Allee effects 425  
     exploited, selection in 417–425  
     free-living 416–417  
     social systems, effects on demography  
         425  
*Enterococcus* antibiotics resistance 179  
 Enzyme activities  
     activity–flux relationship 205  
     additive genetic variance 202–204  
     in chromosome replacement lines 199–  
         202  
     energy demands of maintenance  
         metabolism 207–208  
     genetic variation, quantification 198–  
         205, 223  
     metabolic control theory/quantitative  
         genetics 194–198, 204–205  
     mutation–selection balance 217–222  
     targets of selection 205–208  
 Enzyme flux 194, 211  
*Epeira diademata* 8  
*Eryngium maritimum* snail habitat 362  
*Erysiphe graminis* DNA fingerprinting 478  
*Escherichia coli*  
     adhesins 177–178  
     cell division rate 398  
     Col E3 plasmid 174  
     conjugative plasmids 180  
     DNA replication 398, 399  
     erythromycin resistance 179  
     fitness–metabolic flux relationship 207  
     metabolic control theory 197  
     restriction–modification 170, 171  
     transport systems 186  
 Esterase-5 allo[en]zyme studies 297  
*Euaresta inaequalis* seed predation 155  
 Euler–Lotka equation 72, 90, 94, 96, 115  
*Eupatorium*–*Ophraella* interaction 158–  
     159  
 Extinction  
     food web dynamics 323–324  
     local 31, 440  
     random 9  
  
 Fatty acid synthase (FAS) 199, 201, 202  
 Fingerprinting *see* DNA fingerprinting  
 Fitness 32  
     adaptation process 367  
     annual–perennial life cycle 88  
     antibiotic resistant bacteria 178  
     density-dependent selection 65–66, 70–  
         71  
     ecological relevance of phenotypes 372–  
         375  
     insect–host plant adaptation 157  
     life-history evolution 87, 88, 90, 91, 93,  
         94–97  
     metabolic control theory 197, 198, 206  
     microparasite virulence–avirulence 146,  
         176  
     mutation–selection balance 218–220  
     niche concept 365, 366  
     optimal offspring size 98  
     parasite effects 262, 272  
     performance relationship in adaptation  
         382

Cambridge University Press

978-0-521-54936-3 - Genes in Ecology: The 33rd Symposium of the British Ecological Society University of East Anglia

Edited by R. J. Berry, T. J. Crawford and G. M. Hewitt

Index

[More information](#)

526

## Subject Index

- Fitness (*continued*)  
*r* selection 72  
 surfaces estimation in life-history  
 evolution 115–117  
 transplant experiments 113–114  
 triacylglycerol–glycogen storage in  
*Drosophila* 217  
 variation in time–space 435
- Food preference 156, 321
- Food web dynamics 322–324  
 dispersal–gene flow 327  
 long-term changes 325–326  
 speciation 324, 325–326
- Foraging  
 design–performance relationships 371  
 food web dynamics 323
- Fosfomycin resistance 179
- Founder effect 23, 30, 38, 40, 407, 433
- Frequency dependence 335–349, 353–363  
 chaotic gene frequency dynamics 336–337  
 coexistence of competitors 341–342  
 host–pathogen coexistence 347–349  
 multispecies coexistence 345–349  
 predation–parasitism 359
- Fructosuria 215
- Fulvia fulva* 183
- Fundulus* LDH polymorphism 198, 372, 381
- Fungal parasites 142, 256, 272  
 classification 256  
 dispersal 261  
 species identification by DNA sequencing 257
- Fungal population structure, DNA analysis 242
- Fusarium* species identification 257
- Gaeumannomyces graminis* 175
- Galactosaemia 215
- Galapagos finches 13, 377
- GAPPS software modelling 412
- Garter snakes (*Thamnophis*) 378, 382
- Gastropod dispersal–gene flow 327
- Gene conversion 376
- Gene drop (pedigree simulation) method 407, 411
- Gene flow  
 DNA variation analysis 243  
 geographical variation 326–327
- Gene frequency  
 insensitivity to population fluctuation 353, 354, 355–358  
 recombination, stability effect 358
- Gene frequency change  
*Cepaea* 18, 19  
 genetic drift 19, 20, 24  
*Mus* 437  
 natural selection 20, 437, 440  
*Panaxia dominula* 18
- Genetic architecture 401, 402, 442
- Genetic correlation 369
- Genetic drift 16, 17, 18, 19, 21, 22, 23, 30, 31, 33, 34, 37, 38, 40, 44, 50, 321, 344, 376, 383, 433  
 allele substitution 40–41, 43  
*Drosophila Adh* locus 303–307  
*Drosophila pseudoobscura* 12  
 fixation of new mutations 33  
 molecular 24  
 parasite populations 258
- Genetic load 433
- Genome size correlations 401, 402
- Geographic variation 319–321  
 dispersal–gene flow 326
- Geranium carolinianum* 113
- Glaucopsyche lygdamus* 376
- Glucose-6-phosphate dehydrogenase (G6PD) 199, 201, 202  
 human deficiency 215
- Glucosinolates 155
- Glutamic-pyruvic transaminase (GPT)  
 variants 198
- Glycogen phosphorylase (GP) 199
- Glycogen storage 199, 201–202  
 artificial selection 203–204  
 genetic variation 217
- Glycogen storage diseases 215–216
- Glycogen synthase 199, 202
- Gophers  
 hybrid zone studies 244  
 mitochondrial DNA analysis 246
- $\alpha$ -GPDH 199
- Grasshopper nucleolar organizing region 491, 493
- Gary Larch Tortrix (*Zeiraphera diniana*)  
 population dynamics 58
- Great Spotted Cuckoo 8
- Grey wolf DNA analysis 246
- Ground squirrels 377
- Groundsel–powdery mildew interaction 265
- Group selection 34  
 chaotic populations 74  
 habitable patch removal effects 134–135  
 host–microparasite avirulence 146
- Grouse locust 12
- Guild structure 132–133
- Guppies (*Poecilia reticulata*) 115  
 evolutionary change 321–322  
 field transfer experiments 321–322  
 geographic variation 319–320  
 predation 321

Cambridge University Press

978-0-521-54936-3 - Genes in Ecology: The 33rd Symposium of the British Ecological Society University of East Anglia

Edited by R. J. Berry, T. J. Crawford and G. M. Hewitt

Index

[More information](#)

## Subject Index

527

- $\alpha$ -Haemoglobin polymorphism 374, 437  
 Hagedoorn effect 33  
 Helminth parasites 142, 148  
   species identification by DNA sequencing 257  
   transmission–dispersal 261  
 Herbivore resistance 117  
 Herbivory  
   food web dynamics 323  
   *see also* Arthropod–host plant relationships  
 Hermaphroditism 103–104  
 Herring gull (*Larus argentatus*) sex determination 239  
 Hessian fly (*Phytophage destructor*)–wheat interaction 150–151  
*Heterobasidion annosum* spatial distribution 260  
 Heterochromatin characterization 487–490  
 Heterozygosity 296, 318, 425, 436  
 Heterozygous advantage 358–359  
 Hexokinase (HEX) 199, 202  
 Hexosaminidase A deficiency 216  
 Hierarchies 123–136  
 Host impact parameter 262, 272–274  
 Host plant preferences 156  
 Host–microparasite coevolution 139–149, 161–162  
   generation time disparity 139, 142  
   genetic aspects 144  
   host specificity 139  
   host to host movement 139–140  
   polymorphisms 144, 145  
   population biology approach 140–141, 142  
 Host–microparasite interaction  
   avirulence genes 182–183  
   competitive processes 347–348  
   DNA analysis in species identification 244–245  
   dynamics of associations 143  
   elicitors 182, 183  
   gene-for-gene avirulence–resistance loci 182–183  
   microparasite transmission 146, 147  
   plant–microbe specificity 180–183  
   virulence  
     bacterial factors 176–178  
     evolution 145–147  
 House mouse (*Mus domesticus*)  
   aggression 438  
   allele frequency changes 437  
   effective population size 433  
   satellite DNA 487  
   subpopulations (demes) 432–433  
 Hudson, Kreitman, Aguadé (HKA) test 301, 302  
 Humpback whale population structure 242  
 Hybrid zones  
   DNA variation analysis 243–244  
   speciation due to food web evolution 325–326  
 Hypericin 155  
*Hypericum* 155  
 Hypersensitive response 182  
 Hypervariable DNA sequences 124  
 Hypoxanthine guanine phosphoribosyl transferase (HGPRT) deficiency 216  
 Ibx outcrossing depression 408  
 Inborn errors of metabolism, human 214–216, 223  
 Inbreeding depression 318  
   captive populations 406, 408  
   Kenyan Black Rhino (*Diceros bicornis*) 413–414, 415, 416  
   population simulation studies (GAPPS software) 412, 413–414  
 Inbreeding, population size 344  
 Insects  
   chaos in field populations 58  
   chaos in laboratory populations 58–60  
   crypsis–polymorphic mimicry 7  
   diapause 321  
   haematophagous, prey identification 245  
   host range 151–152  
   migratory behaviour 321  
   plant interaction 321  
     *see also* Arthropod–host plant relationships  
   repetitive DNA probes in species identification 484–486  
 Introgression zones, DNA variation analysis 243–244  
*Iris fulva* gene flow 244  
*Iris hexagona* gene flow 244  
 Isolated populations 12  
   fixation of new gene combinations 35  
 Iteroparity evolution 88, 106, 107  
*Iva frutescens*–*Ophraella* interaction 158, 159  
 Ivory poaching 418–425  
*K*-selection 66–71, 88, 316, 317–318  
 Kanamycin resistance 179  
 Kangaroo rat population structure studies 243  
 Kenyan Black Rhino (*Diceros bicornis*) 412–416  
 Lactic dehydrogenase (LDH) alloenzymes 198



Cambridge University Press

978-0-521-54936-3 - Genes in Ecology: The 33rd Symposium of the British Ecological Society University of East Anglia

Edited by R. J. Berry, T. J. Crawford and G. M. Hewitt

Index

[More information](#)

528

## Subject Index

- Lady's Slipper orchid (*Cypripedium acaule*) 110
- Lambda-vir phage 170, 171
- Large blue, larval symbiosis 8
- Larval symbiosis 8
- Leishmania* species identification 257
- Lemur fulvus rufus* 417
- Lemur rubriventer* 417
- Lemurs 417
- Lepidoptera
- butterfly-plant host coevolution 152-154
  - instar number 398
  - melanism 12-13, 440
  - moth allo[en]zyme electrophoresis 494, 495
  - non-adaptive specific differences 11
- Lesch-Nyhan syndrome 216
- Leucine aminopeptidase (LAP) variants 198
- Life-history characteristics
- at cellular level 398-399
  - Daphnia* 394-398
  - DNA content relationship 401-402
  - genetic variation 315-318, 442-443
  - in parasites 267-270
  - oscillations 316
  - primate endangered species 417
- Life-history evolution 56, 65-80, 87-118
- chaotic populations, simple discrete-time models 74-78
  - constraints 393-403
  - density-dependent selection 65-66
  - direct microevolutionary studies 114-115
  - ecological approach 87, 89, 94
  - Euler-Lotka equation 72
  - fitness 90, 91, 93, 94-97, 115-117
  - genetic approach 87, 94
  - quantitative 88-89
  - genetic options set, exant/potential 92-93, 94
  - genetic variance-covariance matrix 110-111
  - model organisms for experimentation 381
  - mortality rate variables 97
  - Nicholson's blow-flies 78-79
  - optimal strategy (outcome of selection) 93
  - production rate variables 97
  - r-K* selection 66-71, 88
  - Ricker-Moran model 68-69
  - selection processes 90-93, 316, 317
  - stochastic effects 73
  - structured populations 71-74
  - timing of breeding events 96-97
  - trade-offs 68, 69, 72, 80, 88, 89, 94, 97-107, 117
  - genetic estimation methods 110-114
  - phenotypic estimation methods 108-110
  - transplant experiments 113-114
- Limnaea peregra* sinistrality inheritance 13
- Linkage disequilibrium 376, 442
- Listeria*
- detection using PCR 459-462
  - DNA probes preparation 463-465
- Liver metabolism 209, 210, 212
- Lizards 272
- foraging behaviour 371
- Locust instar number 398
- Lyapunov exponent 64, 73, 77-78
- single-species models 74, 75, 76, 77
- Lyme disease 245
- Lynx
- population cycles 64
  - populaion density 62
- Madeiraan snails 80
- Malic enzyme (ME) 199
- Man
- blood groups 22, 36
  - C-banding 487, 488
  - geographical origin 243
  - inborn errors of metabolism 214-216, 223
  - mitochondrial DNA analysis 243
  - skin colour 22
- Manduca sexta* 398
- Marbled newt (*Triturus marmoratus*) 243
- Marsh Fritillary (*Melitaea aurinia*) 3, 10, 38
- Measles epidemics 62, 63
- Melanism 12, 440
- lepidoptera 12-13, 440
  - Paradiarsia (Amathes) glareosa edda* cline 432
- Mesodon normalis* 361
- Mesoligia (Procus) literosa* 440
- Metabolic control theory 193, 194-198, 223
- evolutionary adaptation 196
  - pleiotropic effects 205
- Metabolic cost 212
- Metabolic efficiency
- energy demands of maintenance metabolism 207-208, 223
  - natural selection 208-213, 223
- Metabolite concentration, natural selection 214-217, 223
- Metal tolerant plants 158, 321, 433, 440
- Metapopulations 123
- Drosophila* 295-296
  - evolution 299-300

Cambridge University Press

978-0-521-54936-3 - Genes in Ecology: The 33rd Symposium of the British Ecological Society University of East Anglia

Edited by R. J. Berry, T. J. Crawford and G. M. Hewitt

Index

[More information](#)

## Subject Index

529

- patch removal effects 133–135
- Microbial community diversity, rDNA studies 246–247
- Migration  
DNA variation analysis 243  
*Drosophila* species 296, 297
- Mimicry 7, 436  
Batesian–Mullerian 321  
frequency-dependence 11
- Mite allo[en]zyme electrophoresis 494, 495
- Mitochondrial DNA analysis 247  
hybrid zones 243–244  
man, geographical origin 243  
parasite species identification 257  
PCR 243  
phylogeny reconstruction 124  
population structure 242–243  
RFLP 243  
in systematics 246, 257
- Mitochondrial DNA replication 400
- Modification, bacterial 170–173
- Molecular clock 123, 130
- Mollusc evolution 124
- Monoterpenes tolerance variation 268
- Mortality  
defence allocation trade-off 99–100  
fecundity-trade-off 102  
general life-history patterns 106–107
- Moth allo[en]zyme electrophoresis 494, 495
- Multispecies systems 345–349
- Muscle metabolism 209, 210, 211, 212
- Mutation 31, 32, 33, 44, 376  
fixation by natural selection 34, 35  
fixation by random walk 33  
genetic load 433  
natural selection 31, 32, 33  
neutral 33, 39, 40, 41–42, 43, 368
- Mycobacterium tuberculosis* virulence determinants 177
- Mycosphaerella graminicola* population structure 242
- Mytilus edulis* leucine aminopeptidase (LAP) variants 198
- Myxoma virus 147, 267, 269, 436
- Natural selection 44, 45, 433–434  
allele substitution 43  
bacterial virulence determinants 177  
carrying capacity 79, 80  
chaotic populations 65, 74  
demographic parameters 87, 316, 317  
detection at molecular level 300–303  
balancing selection 301, 302, 303  
directional selection 301, 302, 303  
Hudson, Kreitman, Aguadé (HKA) test 301, 302
- Drosophila*  
*Adh* locus 303–307  
allo[en]zyme gene frequency clines 297–299  
evolutionary time-scale 321, 322  
fixation of new mutations 34, 35  
food web changes 325  
*K*-selection 66–71  
in local variation 20  
metabolic efficiency 208–213, 223  
metabolic flux 207, 223  
metabolite concentration 214–217, 223  
population dynamics 55–83  
problems, historical aspects 3, 4, 5, 6, 7, 8, 9, 14  
*r*-selection 66–71  
recursive process of adaptation 366–367  
tuskeness in African elephant 419–423
- Nectria haematococca* pisatin detoxification 268
- Neisseria*  
adhesins 177  
penicillin resistance 178
- Nematospiroides dubius* 269
- Neo-Darwinian synthesis 435, 441
- Neutral theory 24–25, 32, 40, 41, 43, 300–301, 368  
Hudson, Kreitman, Aguadé (HKA) test 301, 302  
molecular data 24  
mutation 33, 39, 40, 41–42, 43  
origin of 32  
selection detection 301–303  
spread of neutral genes 9, 11  
statistical test 304–305  
*see also* Non-adaptive characters
- Newts 272  
population migration–gene flow 243
- Niche concept 45, 47, 365, 366
- Nicotiana* transformation 185
- nod* genes 181, 185
- Non-adaptive characters 6, 7, 36, 50  
null selection hypothesis 15–23  
specific differences 10, 11, 14, 15
- Nucleolar organizing region (NOR) silver staining 491–493
- Null selection hypothesis, historical aspects 15–23
- Oak mildew 273
- Ochocerca armillata* 486
- Onchocerca volvulus* identification 245
- Ophraella communa* 158, 159
- Ophraella conferta* 159
- Ophraella notata* 159
- Ophraella notulata* 158, 159, 160

Cambridge University Press

978-0-521-54936-3 - Genes in Ecology: The 33rd Symposium of the British Ecological Society University of East Anglia

Edited by R. J. Berry, T. J. Crawford and G. M. Hewitt

Index

[More information](#)

530

## Subject Index

- Ophraella*–Asteraceae relationship 152, 153  
 Opines 184, 185, 186  
 Organophosphate resistance 243  
 Outcrossing depression 408
- Panaxia dominula* 17, 18, 20, 21, 23  
*bimacula* allele 43  
 Panther DNA analysis 246  
*Paradiarsia (Amathes) glareosa edda* cline 432  
 Parasitism 142, 148, 255–275, 436  
 asexually dispersed propagules 271  
 chaotic gene frequencies 360  
 coevolution 142, 148  
   *see also* Host–microparasite coevolution  
 competitive interactions 346  
 DNA analysis in species identification 245  
   repetitive DNA probes 484–486  
 establishment of parasite 264–267, 273–274  
 food web dynamics 322  
 frequency of parasitic encounters 273  
 frequency/density-dependent selection 359  
 genetic diversity estimation in populations 258–259  
 host defensive chemicals 268  
 host impact parameter 262, 272–274  
 life-history parameters, genetic diversity 267–270  
 microparasites *see* Host–microparasite interaction  
 parasite transmission parameter 262, 263–272  
 population biology 258–261  
 reproduction 259–260  
 reproductive impact of infection 274  
 sexually produced propagules 271  
 spatial distribution 260  
 taxonomy 256–257  
 transmission–dispersal 260–261, 270–272  
 virulence–resistance gene-for-gene systems 266, 267
- Parasitoids 142, 148  
 coevolutionary dynamics 148  
 food web dynamics 323
- Parentage, DNA analysis 240–241
- Patches  
 colonization 133–134  
 probability refuges for competitors 340–342  
 removal 135  
 sampling programmes 338–339, 340  
   *see also* Aggregation
- PCR *see* Polymerase chain reaction
- Pemphigus*–*Populus* interaction 161
- Penicillin resistance 178, 179
- Pentosuria 215
- Perennials 113
- 6PGD 199, 201
- Phage 172
- Phaneta imbridana* seed predation 155
- Phenylketonuria (PKU) 214
- Phenazine-I-carboxylate 175, 176
- Phomopsis subordinaria* 268, 269
- Phosphoglucomutase (PGM) 199, 202
- Phosphoglucose isomerase (PGI) 198, 199, 202  
   polymorphism 373–374
- Phylloscopus* phylogeny 246
- Phylogeny  
 distribution of subtaxa per taxon 128–130  
 experimental approach to adaptive biology 385  
 rates of effective cladogenesis 126–128  
 reconstruction 123–133
- Phytophthora cinnamomi* genetic diversity 295
- Phytophthora infestans* reproduction 260
- Phytophthora* species identification 257
- Pisatin 268
- Plankton population surveys 62, 63
- Plantago* 113
- Plantago lanceolata* 269  
 experimental manipulation of phenotype 110
- Plants  
 hypersensitive response 182  
 insect coevolution 139–140, 141, 149–162  
 microbe interactions  
   coevolutionary genetics 144  
   specific 180–183  
 plastid DNA in population structure studies 242  
 secondary compounds 154–156, 268  
   *see also individual species*
- Plasmids 173  
*Agrobacterium*–plant transformation 184  
 antibiotics resistance 179, 180
- Plasmodium falciparum*  
 reproduction 260  
 spatial distribution 260
- Plastid DNA, plant population studies 242
- Pleiotropy 108, 154  
 in adaptive process 369  
 historical aspects 10, 11

Cambridge University Press

978-0-521-54936-3 - Genes in Ecology: The 33rd Symposium of the British Ecological Society University of East Anglia

Edited by R. J. Berry, T. J. Crawford and G. M. Hewitt

Index

[More information](#)

## Subject Index

531

- metabolic control theory 205
- in speciation 10
- Polymerase chain reaction (PCR) 231, 235, 236, 237, 247
- Borrelia* species identification 245
- direct sequencing of products 237
- in *Drosophila* population biology 453–455
- human population migration 243
- lemur field studies 417
- mitochondrial DNA 246
- population structure studies 243
- protocol for RAPDs 468
- species classification/hybrid zone studies 244, 246
- in systematics 245, 246
- technique 453–455, 456–463
- detection of bacteria 460–463
- Polymorphism
  - at nucleotide level 300–301, 305
  - selection detection 301–303
  - balanced 12, 14, 37
  - brood parasitism response 149
  - DNA fingerprinting 234–235
  - Drosophila* allo[en]zyme studies 296–297, 299
  - ecological relevance of phenotypes 372, 443
  - frequency/density-dependent selection maintaining 66, 355, 358–359, 360
  - heterozygous advantage 358–359
  - host–microparasite associations 144, 145
  - maintenance with population density fluctuation 355
  - natural selection 21
  - neutral 12
  - patchy resource exploitation 362
  - population dynamics 317
  - probability refuges for competitors 341, 342
  - r*–*K* selection 67
  - selection coefficients 39, 437
  - in speciation 12
  - virulence–resistance alleles 265
- Polyphagy 151
- Population density
  - body size relationship 132–133
  - fecundity relationship 316
- Population dynamics
  - chaotic 335–337, 353, 354–360
  - in laboratory populations 58–60
  - competition 353
  - density dependence in laboratory populations 59
  - gene frequency stability 353, 354
  - genetic variation 315–318
  - historical aspects 3, 4, 9
  - natural selection 55–83
  - see also* Life history
- Population size 38, 39, 44
- see also* Effective population size
- Population subdivisions 432–433
- Population turnover 45, 47
- Population–*Pemphigus* interaction 161
- Porphyria 216
- Powdery mildew–groundsel interaction 265
- Predation
  - competitive interaction 347
  - experimental manipulation 380
  - food web dynamics 323–324
  - frequency/density-dependent selection 346, 359
  - in guppies 319–320, 321
  - life-history evolution 115
  - non-linear population dynamics 60–61
- Predator–prey coevolution 151
- Primates
  - C-banding 487
  - cladogenesis 131
  - endangered species 416–417
- Probability refuges 340–342, 353, 360–363
- Protozoa
  - reproductive rate 401
- Protozoan parasites 3, 142, 256
- reproduction 260
- species identification by DNA sequencing 257
- Psammocharid (pompilid) wasps 6
- Pseudocercospora herpotrichoides* DNA fingerprinting 478
- Pseudogenes 363
- Pseudomonas fluorescens* antibiotic production 175–176
- Pseudomonas syringae* avirulence gene 182
- Puccinia graminis* reproduction 260
- Pyruvate kinase (PK) deficiency 30
  
- Quercus alba*–*Alsophila pometaria* interaction 157
- Quercus coccinea*–*Alsophila pometaria* interaction 157, 158
  
- r*-selection 66–71, 88, 316, 317–318
- fitness 72
- Random amplified polymorphic DNAs (RAPDs) 237–238
- hybrid speciation studies 244
- principle 467–468
- protocol 468
- RFLPs comparison 468–469

- Random drift *see* Genetic drift
- Reciprocal transplantation experiments  
114, 380
- Recombination 376–377  
evolution of 44
- Red deer 377
- Red wolf DNA analysis 246
- Red-winged blackbird 241
- Relatedness measurement, molecular  
techniques 240
- Reproduction, size-related constraints  
393–403
- Reptile scales 371, 375
- Resistance  
artificial inoculation experiments 269  
crop breeding programmes 269  
experimental procedures 264–265  
genetic analysis 265  
in wild populations 269, 440
- Restriction endonucleases 170
- Restriction fragment length polymorphism  
(RFLP) 234, 240  
*Culex pipiens* insecticide resistance 243  
*Drosophila* polymorphisms 297, 299  
fungal population structure studies 242  
gene flow–hybrid studies 243, 244  
mitochondrial DNA analysis 242, 243,  
247  
newt population migration–gene flow 243  
in parasite population biology 257, 258  
genetic diversity estimation 258–259  
parentage analysis 241  
population structure studies 242  
RAPDs comparison 467–468  
technique 481–483  
trypanosomes host specificity analysis  
245
- Restriction–modification, bacterial 170–  
173  
frequency-dependent selection 170–171
- RFLP *see* Restriction fragment length  
polymorphism
- Rhizobia–legume symbiosis  
host range of microbes 180–181  
mutual interaction 180, 181, 182
- Rhizobium* 180, 185, 186  
plasmids/transposable elements 180  
streptomycin resistance 178
- Rhizoctonia* species identification 257
- Rhynchosporium secalis* dispersal 261
- Ribosomal DNA analysis  
genetic introgression across hybrid zones  
244  
microorganism community diversity studies  
246  
population structure studies 242  
species identification 257
- Ribosomal RNA analysis 246  
in phylogeny reconstruction 123–124
- Ricker–Moran model 67, 68–69
- River blindness 245
- Salamanders  
developmental time/DNA content  
relationship 401  
lungless 375
- Salmonella typhimurium* virulence  
determinants 177
- Satellite DNA 487
- Seed predation 155
- Selection coefficients 39–40, 437
- Semelparity, evolution of 88, 103, 106, 107
- Serratia marcescens* fosfomycin resistance  
179
- Sex  
allocation in life-history theory 103–104  
evolution of 44, 145  
identification 238–239
- Sex-determining genes 239
- Sex-linked molecular probes 239
- Sexual selection, captive populations 409
- Shaw–Mohler equation 105
- Shifting balance theory 17
- Shigella dysenteriae* virulence determinants  
177
- Silent substitution 368
- Silver staining 491–493
- Simulium damnosum* 486
- Sinistrality 13
- Small populations  
genetic drift 17, 18, 24  
historical aspects 13, 14
- Snow goose 241
- Social systems  
conservation biology 426  
effects on demography 424
- Solidago altissima*  
insect attack 155  
*Ophraella* interaction 159
- Southern blotting 486  
technique 481–483
- Spandrels 177
- Sparrows, mitochondrial DNA analysis 246
- Spatial heterogeneity 337–340  
sampling programmes 338–339, 340  
stabilizing effects 338
- Speciation  
dispersal–gene flow 327  
food web dynamics 324  
food web evolution 325–326  
natural selection 5, 6  
polymorphism 12
- Species diversity gradients 47, 48, 49

Cambridge University Press

978-0-521-54936-3 - Genes in Ecology: The 33rd Symposium of the British Ecological Society University of East Anglia

Edited by R. J. Berry, T. J. Crawford and G. M. Hewitt

Index

[More information](#)

## Subject Index

533

- Species identification  
 DNA analysis 244–245, 257  
 indirect genetic methods 256–257  
 isozyme variation 257  
 parasitic fungi 256  
 repetitive DNA probes 484–486  
 RFLPs 257
- Species range limitation 440
- Species–energy theory 47
- Sperm precedence 373
- Spider instar number 398
- Stipa* 257
- Stochastic processes 9, 29–51  
 environmental 73  
 life-history evolution 73
- Strategy set 92
- Streptococcus pneumoniae* capsule 177
- Streptococcus pyogenes* adhesins 177
- Streptomyces* 178  
 antibiotics resistance 179
- Streptomyces fradiae* 179
- Streptomycin resistance 178
- Stress 99, 442–443  
 adaptive process 369–370
- Succession 434
- Swallows, experimental manipulation of tail length 108–110
- Systematics, DNA analysis 124, 245–246, 485  
 mitochondrial DNA 246, 257  
 species identification 244–245
- Taricha* 385
- Tay–Sachs disease 216
- Temperature stress response 369–370
- Tetranychus urticae* host preference evolution 157
- Tetraopes*–*Asclepias* (Milkweeds) coevolution 154
- Theba pisana* 362
- Thermal gradient gel electrophoresis 237
- Thermoplasma acidophilum* restriction–modification 172
- Thorius* 402
- Thrips allo[en]zyme electrophoresis 494, 495
- Thrips imaginis* 62
- Ti (tumour inducing) plasmids 175
- Tick infection 245
- Tiger salamander (*Ambystoma tigrinum*) 371
- Tigriopus californicus* glutamic-pyruvic transaminase (GPT) variants 198
- Toad adaptive biology 383
- Toxins, bacterial 177
- Trade-offs 68, 72, 88, 89, 117, 393  
 adult body size 101–102
- arthropod–host plant coevolution 154  
 defence allocation options set 99–100  
 experimental manipulation of phenotype 108–110  
 fecundity 102–103  
 general productivity–mortality patterns 106–107  
 genetic estimation methods 110–114  
 growth strategies 99–100  
 host plant preferences 156–157, 158  
 life-history evolution 80, 94, 97–107  
 in microorganisms 399–400  
 offspring size 98–99  
 phenotypic methods of estimation 108–110  
 plant defences against arthropods 155  
*r*–*K* selection 69, 70  
 sex allocation 103–104  
 sons/daughters 104–106  
 virulence–transmission of microparasites 145–147
- Transformation, bacterial 177  
*Agrobacterium*–plant interaction 183–184  
 penicillin resistance 179
- Transplant experiments 113–114, 439
- Transposons in antibiotics resistance 179, 180
- Trehalase (TRE) 199, 202
- Treponema pallidum* adhesins 177
- Triacylglycerol storage 199, 201  
 artificial selection 203–204  
 genetic variation 217
- Triodopsis albolabris* 361
- Tropaeolum*–*Aphis fabae* interaction 157
- Tropical rainforest niche specialization 47
- Trypanosoma brucei*  
 reproduction 260  
 transmission 261
- Trypanosoma cruzi* reproduction 260
- Trypanosomes 148  
 DNA analysis of host specificity 244–245  
 molecular techniques of species identification 257
- Tsetse flies 440
- Ultraviolet flower colours 16
- Vibrio cholerae* toxin production 177
- Vicia*–*Aphis fabae* interaction 157
- vir* genes 183, 184, 186
- Virulence 259, 261, 323  
 artificial inoculation experiments 264–265  
 bacterial determinants 176–178  
 bacterial toxins 177

Cambridge University Press

978-0-521-54936-3 - Genes in Ecology: The 33rd Symposium of the British Ecological Society University of East Anglia

Edited by R. J. Berry, T. J. Crawford and G. M. Hewitt

Index

[More information](#)

534

*Subject Index*Virulence (*continued*)

- bacterial transformation 177
- evolution 145–147, 436
- gene-for-gene interaction systems 150–151, 266, 267
- genetic analysis 265

## Viruses 142

- life-history trade-offs 400

## Wasp parasitoids, allo[en]zyme

- electrophoresis 494, 495

## Wheat ‘take-all’ disease 175–176

Wheat–Hessian fly (*Phytophaga destructor*)

- interaction 150–151

## White campion parasitism 273

## White oak hybrid zone studies 244

## Wolf systematics 246

## Xanthine dehydrogenase allo[en]zyme

- studies 297

Zebra finch (*Taeniopygia guttata*) breeding

- systems 240

## Zinc resistance 363