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1995 Aspergillus Bibliography

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1995 Aspergillus Bibliography

Abstract

This bibliography attempts to cover genetical and biochemical publications on *Aspergillus nidulans* and also includes selected references to related species and topics. I would be grateful for publication lists and reprints, especially for papers in books and less readily available periodicals. Entries have been checked as far as possible, but please tell me of any errors.

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[Author and Keyword Index](#)

1. Adams, T.H. 1994 Asexual sporulation in higher fungi, Ch 16 in The Growing Fungus, ed. N.A.R. Gow and G.M. Gadd, Chapman and Hall, London, pp 367-382.
2. Aidoo, K.E., Smith, J.E. & Wood, B.J.B. 1994 Industrial aspects of soy sauce fermentations using *Aspergillus*. In The Genus *Aspergillus*, from Taxonomy and Genetics to Industrial Application, FEMS Symposium 69, eds K.A. Powell, A. Renwick & J.F. Peberdy, Plenum Press, New York, pp 155-169.
3. Albertini, A.M., Caramori, T., Scoffone, F., Scotti, C. & Galizzi, A. 1995 Sequence around the 159° region of the *Bacillus subtilis* genome: the pskX locus spans 33.6 kb. *Microbiol.* 141: 299-309.
4. Alekseenko, A.Y. 1994 Cointegration of transforming DNAs in *Aspergillus nidulans*: a model using autonomously-replicating plasmids. *Curr. Genet.* 26: 352-358.
5. Alfonso, C., Nuero, O.M., Santamaría, F. & Reyes, F. 1995 Purification of a heat-stable chitin deacetylase from *Aspergillus nidulans* and its role in cell wall degradation. *Curr. Microbiol.* 30: 49-54.
6. Andrade-Monteiro, C., Maccheroni-Junior, W., Rossi, A. & Martinez-Rossi, N.M. 1994 A simplified method for the isolation of high molecular weight DNA from *Aspergillus nidulans*. *Rev.Brasil. Genet.* 17: 447-448.
7. Andrade-Monteiro, C., Pombeiro-Sponchiado, S.R.C. & Martinez-Rossi, N.M. 1994 The effect of gene tubC on the vegetative growth of benomyl-resistant strains of *Aspergillus nidulans*. *FEMS Microbiol. Lett.* 120: 183-186.
8. Andrianopoulos, A. & Timberlake, W.E. 1994 The *Aspergillus nidulans* abaA gene encodes a transcriptional activator that acts as a genetic switch to control development. *Mol. Cell. Biol.* 14: 2503-2515.
9. Archer, D.B., Jeenes, D.J. & Mackenzie, D.A. 1994 Strategies for improving heterologous protein production from filamentous fungi. *Ant. van Leeuwenhoek* 65: 245-250
10. Arst, H.N. Jr. 1994 Regulation of gene expression by oxygen, phosphorus and pH. In *Aspergillus: 50 years on*; eds S.D. Martinelli and J.R. Kinghorn. Elsevier, Amsterdam, pp 369-380.

11. Arst, H.N. Jr., Bignell, E. & Tilburn, J. 1994 Two new genes involved in signalling ambient pH in *Aspergillus nidulans*. *Mol. Gen. Genet.* 245: 787-790.
12. Axtell, S.M., Truong, T.M., O'Neal, K.D. & Yu-Lee, L-y. 1995 Characterization of a prolactin-inducible gene, clone 15, in T cells. *Mol. Endocrinol.* 9: 312-318.
13. Babudri, N., Salvini, D., Pimpinelli, S. & Morpurgo, G. 1994 The genetic activity of 6 N-hydroxylaminopurine in *Aspergillus nidulans*. *Mutat. Res.* 321: 19-26.
14. Bainbridge, B.W. 1994 Modern approaches to the taxonomy of *Aspergillus* in The Genus *Aspergillus*, from Taxonomy and Genetics to Industrial Application, FEMS Symposium 69, eds K.A. Powell, A. Renwick & J.F. Peberdy, Plenum Press, New York, pp 291-301.
15. Balinska, M., Natorff, R. & Paszewski, A. 1993 Regulation of folate metabolizing enzymes in the fungus *Aspergillus nidulans*. *Pteridines* 4: 56-59.
16. Begueret, J., Turcq, B. & Clave, C. 1994 Vegetative incompatibility in filamentous fungi: het genes begin to talk. *Trends Genet.* 10: 441-446.
17. Bennett, J.W., Bhatnagar, D. & Chang, P.K. 1994 The molecular genetics of aflatoxin biosynthesis, in The Genus *Aspergillus*, from Taxonomy and Genetics to Industrial Application, FEMS Symposium 69, eds K.A. Powell, A. Renwick & J.F. Peberdy, Plenum Press, New York, pp 51-58.
18. Blyum, Ya.B. & Strashnyuk, N.S. 1993 Obtaining of mutants according to genes of proteins from microtubules. *Tsitol. Genet.* 27: 79-96.
19. Bodie, E.A., Bower, B., Berka, R.M. & Dunn-Coleman, N.S. 1994 Economically important organic acid and enzyme products. In *Aspergillus: 50 years on*; eds S.D. Martinelli and J.R. Kinghorn. Elsevier, Amsterdam, pp 561-602.
20. Bonnefoy, N., Copsey, J., Hynes, M.J. & Davis, M.A. 1995 Yeast proteins can activate expression through regulatory sequences on the *amdS* gene of *Aspergillus nidulans*. *Mol. Gen. Genet.* 246: 223-227.
21. Bonner, C.A. & Jensen, R.A. 1994 Cloning of cDNA encoding the bifunctional dehydroquinase.shikimate dehydrogenase of aromatic-amino-acid biosynthesis in *Nicotiana tabacum*. *Biochem. J.* 302: 11-14.
22. Borgia, P.T., Dodge, C.L., Eagleton, L.E. & Adams, T.H. 1994 Bidirectional gene transfer between *Aspergillus fumigatus* and *Aspergillus nidulans*. *FEMS Microbiol. Lett.* 122: 227-232.
23. Borgia, P.T., Eagleton, L.E. & Miao, Y.H. 1994 DNA preparations from *Aspergillus* and other filamentous fungi. *Biotechniques* 17: 430-432.

24. Borsuk, P., Gniadkowski, M., Kucharski, R., Bisko, M., Kanabus, M., Stepien, P.P. & Bartnik, E. 1994 Evolutionary conservation of the transcribed spacer sequences of the rDNA repeat unit in three species of the genus *Aspergillus*. *Acta Biochim. Pol.* 41: 73-77.
25. Brandhorst, T., Yang, R., Kenealy, W.R. 1994 Heterologous expression of the cytotoxin restrictocin in *Aspergillus nidulans* and *Aspergillus niger*. *Prot. Expr. Purif.* 5: 486-497.
26. Brooke, A.G. 1994 Industrial fermentation and *Aspergillus citric acid*. In *The Genus Aspergillus, from Taxonomy and Genetics to Industrial Application*, FEMS Symposium 69, eds K.A. Powell, A. Renwick & J.F. Peberdy, Plenum Press, New York, pp 129-134.
27. Brown, T.A. 1994 Mitochondria. In *Aspergillus: 50 years on*; eds S.D. Martinelli and J.R. Kinghorn. Elsevier, Amsterdam, pp 505-524.
28. Brzywczycy, J., Yamagata, S. & Paszewski, A. 1993 Comparative studies on O-acetylhomoserine sulfhydralase: physiological role and characterization of the *Aspergillus nidulans* enzyme. *Acta Biochim. Polon.* 40: 421-428.
29. Caddick, M.X. 1994 Nitrogen Metabolite repression. In *Aspergillus: 50 years on*; eds S.D. Martinelli and J.R. Kinghorn. Elsevier, Amsterdam, pp 323-353.
30. Caddick, M.X., Peters, D. & Platt, A. 1994 Nitrogen regulation in fungi. *Ant. van Leeuwenhoek* 65: 169-177.
31. Calera, J.A., López-Medrano, R., Ovejero, M.C., Puente, P. & Leal, F. 1994 Variability of *Aspergillus nidulans* antigens with media and time and temperature of growth. *Infect. Immun.* 62: 2322-2333.
32. Campbell, C.K. 1994 Forms of Aspergillosis. In *The Genus Aspergillus, from Taxonomy and Genetics to Industrial Application*, FEMS Symposium 69, eds K.A. Powell, A. Renwick & J.F. Peberdy, Plenum Press, New York, pp 313-319.
33. Cary, J.W., Brown, R., Cleveland, T.E., Whitehead, & Dean, R.A. 1995 Cloning and characterization of a novel polygalacturonase-encoding gene from *Aspergillus parasiticus*. *Gene* 153: 129-133.
34. Chae, K.-S., Kim, J.H., Choi, Y., Han, D.M. & Jahng, K.-Y. 1995 Isolation and characterization of a genomic DNA fragment complementing an nsdD mutation of *Aspergillus nidulans*. *Mol. Cells (Korea)* 5: 146-150.
35. Champe, S.P., Nagle, D.L. & Yager, L.N. 1994 Sexual sporulation. In *Aspergillus: 50 years on*; eds S.D. Martinelli and J.R. Kinghorn. Elsevier, Amsterdam, pp 429-454.
36. Chatterjee, M. & Townsend, C.A. 1994 Evidence for the probable final steps in aflatoxin biosynthesis. *J. Org. Chem.* 59: 4424-4429.

37. Chen, H.M., Ford, C. & Reilly, P.J. 1994 substitution of asparagine residues in *Aspergillus awamori* glucoamylase by site-directed mutagenesis to eliminate N-glycosylation and inactivation by deamidation. *Biochem. J.* 301: 275-281.
38. Christensen, T. 1994 Application: *Aspergillus oryzae* as a host for production of industrial enzymes. In *The Genus Aspergillus*, from Taxonomy and Genetics to Industrial Application, FEMS Symposium 69, eds K.A. Powell, A. Renwick & J.F. Peberdy, Plenum Press, New York, pp 251-259.
39. Christgau, S., Sandal, T., Kofod, L.V. & Dalbøge, H. 1995 Expression cloning, purification and characterization of a β -1,4-galactanase from *Aspergillus aculeatus*. *Curr. Genet.* 17: 135-141.
40. Clutterbuck, A.J. 1994 Genetics of fungi, Ch 11 in *The Growing Fungus*, ed. N.A.R. Gow and G.M. Gadd, Chapman and Hall, London, pp 239-253.
41. Clutterbuck, A.J. 1994 Molecular Biology, Ch 12 in *The Growing Fungus*, ed. N.A.R. Gow and G.M. Gadd, Chapman and Hall, London, pp 255-274.
42. Clutterbuck, A.J. & Arst, H.N. Jr. 1995 *Aspergillus nidulans*. Trends in Genetics supplement: Genetic nomenclature guide 13-14.
43. Clutterbuck, J., Gems, D. & Robertson, S. 1994 The ARp1 *Aspergillus* replicating plasmid. In FEMS Symposium 69, *The Genus Aspergillus*, from Taxonomy and Genetics to Industrial Applications. Plenum Press, New York, eds Powell, K.A., Renwick, A. & Peberdy, J.F. pp. 189-195.
44. Coenen, A., Debets, F. & Hoekstra, R. 1994 Additive action of partial heterokaryon incompatibility (partial-het) genes in *Aspergillus nidulans*. *Curr. Genet.* 26: 233-237.
45. Cogoni, C., Romano, N. & Macino, G. 1994 Suppression of gene expression by homologous transgenes. *Ant. van Leeuwenhoek* 65: 205-209.
46. Cook, P.E. & Campbell-Platt, G. 1994 *Aspergilli* and fermented foods. In *The Genus Aspergillus*, from Taxonomy and Genetics to Industrial Application, FEMS Symposium 69, eds K.A. Powell, A. Renwick & J.F. Peberdy, Plenum Press, New York, pp 171-188.
47. Cotty, P.J., Bayman, P., Egel, D.S. & Elias, K.S. 1994 Agriculture, aflatoxins and *Aspergillus*, in *The Genus Aspergillus*, from Taxonomy and Genetics to Industrial Application, FEMS Symposium 69, eds K.A. Powell, A. Renwick & J.F. Peberdy, Plenum Press, New York, pp 1-27.
48. Croft, J.H. & Varga, J. 1994 Application of RFLPs in systematics and population genetics of *Aspergilli*. In *The Genus Aspergillus*, from Taxonomy and Genetics to Industrial Application, FEMS Symposium 69, eds K.A. Powell, A. Renwick & J.F. Peberdy, Plenum Press, New York, pp 277-289.

49. Dalbøge, H. & Heldt-Hansen, H.P. 1994 A novel method for efficient expression cloning of fungal enzyme genes. *Molec. Gen. Genet.* 243: 253-260.
50. Davies, R.W. 1994 Heterologous gene expression and protein secretion in *Aspergillus*. In *Aspergillus: 50 years on*; eds S.D. Martinelli and J.R. Kinghorn. Elsevier, Amsterdam, pp 527-560.
51. de Graaf, L.H., van den Broeck, H.C., van Ooijen, A.J.J. & Visser, J. 1994 Regulation of the xylanase-encoding *xlnA* gene of *Aspergillus tubigensis*. *Mol. Microbiol.* 12: 479-490.
52. De Lucas, J.R., Gregory, S. & Turner, G. 1994 Analysis of the regulation of the *Aspergillus nidulans acuD* gene, encoding isocitrate lyase, by construction of a hybrid promoter. *Mol. Gen. Genet.* 243: 654-659.
53. De Lucas, J.R., Valenciano, S., Laborda, F. & Turner, G. 1994 Glucose-induced inactivation of isocitrate lyase in *Aspergillus nidulans*. *Arch. Microbiol.* 162: 409-413.
54. de Vries, R.P., Flippihi, M.J.A., Witteveen, C.F.B. & Visser, J. 1994 Characterization of an *Aspergillus nidulans* l-arabitol dehydrogenase mutant. *FEMS Microbiol. Lett.* 123: 83-90.
55. DiDomenico, B.J., Brown, N.H., Lupisella, J., Greene, M., Yanko, M. & Koltin, Y. 1994 Homologs of the yeast neck filament associated genes: isolation and sequence analysis analysis of *Candida albicans* *CDC3* and *CDC10*. *Mol. Gen. Genet.* 242: 689-698.
56. Donnelly, E., Barnett, Y.A. & McCullough, W. 1994 Germinating conidiospores of *Aspergillus* amino acid auxotrophs are hypersensitive to heat shock, oxidative stress and DNA damage. *FEBS Lett.* 355: 201-204.
57. Doonan, J.H. 1994 Control of cell growth. In *Aspergillus: 50 years on*; eds S.D. Martinelli and J.R. Kinghorn. Elsevier, Amsterdam, pp 455-478.
58. Downey, R.J. & Gedeon, C.A. 1994 Evidence for a H⁺-nitrate symporter in *Aspergillus nidulans*. *Microbios* 78: 35-46.
59. Dzikowska, A., Le Caer, J.P., Jonczyk, P., Weglenski, P. 1994 Purification of arginase from *Aspergillus nidulans*. *Acta Bioch. Pol.* 41: 467-471.
60. Ebina, K., Sakagami, H., Yokota, K. & Kondo, H. 1994 Cloning and nucleotide sequence of cDNA encoding Asp-hemolysin from *Aspergillus fumigatus*. *Biochim. Biophys. Acta* 1219: 148-150
61. Espeso, E.A., Fernández-Cañón, J.M. & Peñalva, M.A. 1995 Carbon regulation of penicillin biosynthesis in *Aspergillus nidulans*: a minor effect of mutations in *creB* and *creC*. *FEMS-Microbiology-Letters* 126: 63-67.

62. Espeso, E.A. & Peñalva, M.A. 1994 In vitro binding of the two-finger repressor CreA to several consensus and non-consensus sites at the ipnA upstream region is context dependent. *FEBS Lett.* 342: 43-48.
63. Faulds, C.B. & Williamson, G. 1994 Purification and characterization of a ferulic acid esterase (FAE-III) from *Aspergillus niger*: specificity for the phenolic moiety and binding to microcrystalline cellulose. *Microbiology* 140: 779-787.
64. Felenbok, B. & Sealy-Lewis, H.M. 1994 Alcohol metabolism. In *Aspergillus: 50 years on*; eds S.D. Martinelli and J.R. Kinghorn. Elsevier, Amsterdam, pp 141-179.
65. Feng, B., Friedlin, E. & Marzluf, G.A. 1995 Nuclear DNA-binding proteins which recognize the intergenic control region of penicillin biosynthetic genes. *Curr. Genet.* 27: 351-358.
66. Fernández, F.J., Gutiérrez, S., Velasco, J., Montenegro, E., Marcos, A.T. & Martín, J.F. 1994 Molecular characterization of three loss-of-function mutations in the isopenicillin N-acetyltransferase gene (penDE) of *Penicillium chrysogenum*. *J. Bacteriol.* 176: 4941-4948.
67. Fernández-Cañón, J.M. & Peñalva, M.A. 1995 Overexpression of two penicillin structural genes in *Aspergillus nidulans*. *Mol. Gen. Genet.* 246: 110-118.
68. Fernandez-Espinar, M., Pinaga, F., De Graaff, L., Visser, J., Ramon, D. & Valles, S. 1994 Purification, characterization and regulation of the synthesis of an *Aspergillus nidulans* acidic xylanase. *Appl. Microbiol. Biotechnol.* 42: 555-562.
69. Fischer, R. & Timberlake, W.E. 1995 *Aspergillus nidulans* apsA (Anucleate Primary Sterigmata) encodes a coiled-coil protein required for nuclear positioning and completion of asexual development. *J. Cell Biol.* 128: 485-498.
70. Flannigan, B. & Pearce, A.R. 1994 *Aspergillus* spoilage: spoilage of cereals and cereal products by the hazardous species *A. clavatus*. In *The Genus Aspergillus, from Taxonomy and Genetics to Industrial Application*, FEMS Symposium 69, eds K.A. Powell, A. Renwick & J.F. Peberdy, Plenum Press, New York, pp 115-127.
71. Flippihi, M.J.A., Visser, J., van der Veen, P. & de Graaf, L.H. 1994 Arabinase gene expression in *Aspergillus niger*: indications for coordinated regulation. *Microbiol.* 140: 2673-2682.
72. Forbes, E. 1994 Humble beginnings at Glasgow University. In *Aspergillus: 50 years on*; eds S.D. Martinelli and J.R. Kinghorn. Elsevier, Amsterdam, pp 21-24.
73. Fungaro, M.H.P., Rech, E., Muhlen, G.S., Vainstein, M.H., Pascon, R.C., de Queiroz, M.V., Pizzirani-Kleiner, A.A. & de Azevedo, J.L. 1995 Transformation of *Aspergillus nidulans* by microprojectile bombardment on intact conidia. *FEMS Microbiol. Lett.* 125: 293-297.

74. Gadd, G.M. 1994 Interactions of fungi with toxic metals. In The Genus *Aspergillus*, from Taxonomy and Genetics to Industrial Application, FEMS Symposium 69, eds K.A. Powell, A. Renwick & J.F. Peberdy, Plenum Press, New York, pp 361-374.
75. Garde, J., Kinghorn, J.R. & Tomsett, A.B. 1995 Site-directed mutagenesis of nitrate reductase from *Aspergillus nidulans*: Identification of some essential and some nonessential amino acids among conserved residues. *J. Biol. Chem.* 270: 6644-6650.
76. Garre, V., Murillo, F.J. & Torres-Martinez, S. 1994 Isolation of the *facA* (acetyl-coA synthetase) gene of *Phycomyces blakesleeanus*. *Mol. Gen. Genet.* 244: 278-286.
77. Gavrias, V., Cubero, B., Cazelle, B., Sophianopoulou, V. & Scazzocchio, C. 1994 The proline utilisation gene cluster of *Aspergillus*, in The Genus *Aspergillus*, from Taxonomy and Genetics to Industrial Application, FEMS Symposium 69, eds K.A. Powell, A. Renwick & J.F. Peberdy, Plenum Press, New York, pp 225-232.
78. Glatigny, A. & Scazzocchio, C. 1995 Cloning and molecular characterization of *hxA*, the gene coding for the xanthine dehydrogenase (purine hydroxylase I) of *Aspergillus nidulans*. *J. Biol. Chem.* 270: 3534-3550.
79. Goldman, G.H. & Morris, N.R. 1995 Extragenic suppressors of a dynein mutation that blocks nuclear migration in *Aspergillus nidulans*. *Genetics* 139: 1223- 1232.
80. Goodson, H.V., Kang, S.J. & Endow, S.A. 1994 Molecular phylogeny of the kinesin family of microtubule motor proteins. *J. Cell Sci.* 107: 1875-1884.
81. Goto, M., Kuwano, E., Kanlayakrit, W. & Hayashida, S. 1995 Role of the carbohydrate moiety of a glucoamylase from *Aspergillus awamori* var. *kawachi* in the digestion of raw starch. *Biosci. Biotech. Biochem.* 59: 16-20.
82. Goto, M., Semimaru, T., Furukawa, K. & Hayashida, S. 1994 Analysis of the raw starch-binding domain by mutation of a glucoamylase from *Aspergillus awamori* var. *kawachi* expressed in *Saccharomyces cerevisiae*. *Appl. Env. Microbiol.* 60: 3926-3930.
83. Goto, M., Tanigawa, W., Kanlayakrit, W. & Hayashida, S. 1994 The mechanism of binding of glucoamylase I from *Aspergillus awamori* var. *kawachi* to cyclodextrins and raw starch. *Biosci. Biotech. Biochem.* 58: 49-54.
84. Griffen, A.M., Heale, J.B. & Bainbridge, B.W. 1994 Cloning and characterization of the ribosomal RNA gene complex from the plant pathogen *Verticillium albo-atrum*. *FEMS Microbiol. Lett.* 118: 291-296.
85. Haas, H., Bauer, B., Redl, B., Stöffler, G. & Marzluf, G.A. 1995 Molecular cloning and analysis of *nre*, the major nitrogen regulatory gene of *Penicillium chrysogenum*. *Curr. Genet.* 27: 150-158.

86. Habenicht, A., Hellman, U. & Cerff, R. 1994 Non-phosphorylating GAPDH of higher plants is a member of the aldehyde dehydrogenase superfamily with no sequence homology to phosphorylating GAPDH. *J. Mol. Biol.* 237: 165-171.
87. Hall, L.A. & Denning, D.W. 1994 Oxygen requirements of *Aspergillus* species. *J. Med. Microbiol.* 41: 311-315.
88. Han, D.M., Han, Y.J., Chae, K.-S., Jahng, K.-Y. & Lee, Y.H. 1994 Effect of various carbon sources on the development of *Aspergillus nidulans* with velA⁺ and velA1 allele. *Kor. J. Mycol.* 22: 332-337.
89. Han, D.M., Han, Y.J., Kim, J.H., Jahng, K.-Y., Chung, Y.S., Chung, J.H. & Chae, K.-S. 1994 Isolation and characterization of nsd mutants in *Aspergillus nidulans*. *Kor. J. Mycol.* 22: 1-7.
90. Hawkins, A.R., Lamb, H.K., Radford, A., Moore, J.D. 1994 Evolution of transcription-regulating proteins by enzyme recruitment: molecular models for nitrogen metabolite repression and ethanol utilisation in eukaryotes. *Gene* 146: 145-158.
91. Hawkins, A.R., Lamb, H.K. & Roberts, C.F. 1994 Control of metabolic flux in the shikimate and quinate pathways. In *Aspergillus: 50 years on*; eds S.D. Martinelli and J.R. Kinghorn. Elsevier, Amsterdam, pp 195-220.
92. Hearn, V.M. 1994 Cell wall immunochemistry and infection. In *The Genus Aspergillus, from Taxonomy and Genetics to Industrial Application, FEMS Symposium 69*, eds K.A. Powell, A. Renwick & J.F. Peberdy, Plenum Press, New York, pp 341-350.
93. Hearn, V.M. & Seitsma, J.H. 1994 Chemical and immunological analysis of the *Aspergillus fumigatus* cell wall. *Microbiology* 140: 789-795.
94. Hessing, J.G.M., van Rotterdam, C., Verbakel, J.M.A., Roza, M., Maat, J., van Gorcom, R.F.M. & van den Hondel, C.A.M.J.J. 1994 Isolation and characterization of a 1,4- β -endoxyylanase gene of *A. awamori*. *Curr. Genet.* 26: 228-232.
95. Ho, M.-C., Whitehead, M.P., Cleveland, T.E. & Dean, R.A. 1995 Sequence analysis of the *Aspergillus nidulans* pectate lyase pelA gene and evidence for binding of promoter regions to CREA, a regulator of carbon catabolite repression. *Curr. Genet.* 27: 142-149.
96. Hodges, R.L., Hodges, D.W., Goggans, K., Xuei, X., Skatrud, P. & McGilvray, D. 1994 Genetic modification of an echinocandin B-producing strain of *Aspergillus nidulans* to produce mutants blocked in sterigmatocystin biosynthesis. *J. Indust. Microbiol.* 13: 372-381.
97. Hoekstra, R.F. 1994 Population genetics of filamentous fungi. *Ant. van Leeuwenhoek* 65: 199-204.

98. Hoffmann, T., Golz, C. & Scheider, O. 1994 foreign DNA sequences are received by a wild-type strain of *Aspergillus niger* after co-culture with transgenic higher plants. *Curr. Genet.* 27: 70-76.
99. Holden, D.W., Tang, C.M. & Smith, J.M. 1994 Molecular genetics of *Aspergillus* pathogenicity. *Ant. van Leeuwenhoek* 65: 251-255.
100. Hondmann, D.H.A. & Visser, J. 1994 Carbon metabolism. In *Aspergillus: 50 years on*; eds S.D. Martinelli and J.R. Kinghorn. Elsevier, Amsterdam, pp 61-139.
101. Hoskins, I.C. & Roberts, C.F. 1994 Expression of the 3-phosphoglycerate kinase gene (*pgkA*) in *Penicillium chrysogenum*. *Mol. Gen. Genet.* 243: 270-276.
102. Hoyt, M.A. 1994 Cellular roles of kinesin and related proteins. *Curr. Opin. Cell Biol.* 6: 63-68.
103. Hynes, M.J. 1994 Regulation of acetamide utilization. In *Aspergillus: 50 years on*; eds S.D. Martinelli and J.R. Kinghorn. Elsevier, Amsterdam, pp 279-297.
104. Hynes, M.J. 1994 Regulatory circuits of the *amdS* gene of *Aspergillus nidulans*. *Ant. van Leeuwenhoek* 65: 179-182.
105. Jarai, G. & Buxton, F. 1994 Nitrogen, carbon, and pH regulation of extracellular acidic proteases of *Aspergillus niger*. *Curr. Genet.* 26: 238-244.
106. Jarai, G., van den Hombergh, H. & Buxton, F. 1994 Cloning and characterization of the *pepE* gene of *Aspergillus niger* encoding a new aspartic protease and regulation of *pepE* and *pepC*. *Gene* 145: 171-178.
107. Jaton-Ogay, K., Paris, S., Huerre, M., Quadroni, M., Falchitto, R., Togni, G., Latgé, J.-P. & Monod, M. 1994 Cloning and disruption of the gene encoding metalloprotease of *Aspergillus fumigatus*. *Mol. Microbiol.* 14: 917-928.
108. Joshi, H.C. 1994 Microtubule organizing centers and gamma-tubulin. *Curr. Opin. Cell Biol.* 6: 55-62.
109. Kaldorf, M., Zimmer, W. & Bothe, H. 1994 Genetic evidence for the occurrence of assimilatory nitrate reductase in arbuscular mycorrhizal and other fungi. *Mycorrhiza* 5: 23-28.
110. Kale, S.P., Bhatnagar, D. & Bennett, J.W. 1994 Isolation and characterization of morphological variants of *Aspergillus parasiticus* deficient in secondary metabolite production. *Mycol. Res.* 98: 645-652.
111. Karlin, S. & Ladunga, I. 1994 Comparisons of eukaryotic genomic sequences. *Proc. Natl Acad. Sci. U.S.A.* 91: 12832-12836.

112. Katz, M.E., Rice, R.N. & Cheetham, B.F. 1994 Isolation and characterization of an *Aspergillus nidulans* gene encoding an alkaline protease. *Gene* 150: 287-292.
113. Kawasaki, L., Forrés, A. & Aguirre, J. 1995 *Aspergillus nidulans* mutants affected in acetate metabolism isolated as lipid nonutilizers. *Exp. Mycol.* 19: 81-85.
114. Keller, N.P., Butchko, R.A.E., Sarr, B. & Phillips, T.D. 1994 A visual pattern of mycotoxin production in maize kernels by *Aspergillus* spp. *Phytopathol.* 84: 483-488.
115. Kelly, J.M. 1994 Carbon catabolite repression. In *Aspergillus: 50 years on*; eds S.D. Martinelli and J.R. Kinghorn. Elsevier, Amsterdam, pp 355-367.
116. Kelly, R., Register, E & Sosa, M. 1994 Heterologous transformation of *Zalerion arboricola*. *Curr. Genet.* 26: 217-224.
117. Kester, H.C.M. & Visser, J. 1994 Purification and characterization of pectin lysase B, a novel pectinolytic enzyme from *Aspergillus niger*. *FEMS Microbiol. Lett.* 120: 63-68.
118. Kilmartin, J.V. 1994 Genetic and biochemical approaches to spindle function and chromosome segregation in eukaryotic microorganisms. *Curr. Opin. Cell Biol.* 6: 50-54.
119. Kim, S.J., Yoo, J.H. & Jung, G.H. 1993 Analysis of genomic DNA of transformed *Aspergillus nidulans*. *Kor. J. Genet.* 15: 261-268.
120. Kinghorn, J.R. & Unkles, S.E. 1994 Inorganic nitrogen assimilation: molecular aspects. In *Aspergillus: 50 years on*; eds S.D. Martinelli and J.R. Kinghorn. Elsevier, Amsterdam, pp 181-194.
121. Kitamoto, K., Kimura, K., Gomi, K. & Kumigai, C. 1994 Electrophoretic karyotype and gene assignment to chromosomes of *Aspergillus oryzae*. *Biosci. Biotech. Biochem.* 58: 1467-1470.
122. Kozakiewicz, Z. 1994 *Aspergillus* toxins and taxonomy. In *The Genus Aspergillus, from Taxonomy and Genetics to Industrial Application*, FEMS Symposium 69, eds K.A. Powell, A. Renwick & J.F. Peberdy, Plenum Press, New York, pp 303-311.
123. Kubicek, C.P., Witteveen, C.F.B. & Visser, J. 1994 Regulation of organic acid production by *Aspergilli*. In *The Genus Aspergillus, from Taxonomy and Genetics to Industrial Application*, FEMS Symposium 69, eds K.A. Powell, A. Renwick & J.F. Peberdy, Plenum Press, New York, pp 135-145.
124. Kusakabe, T., Koga, K. & Sugimoto, Y. 1994 Isolation and characterization of cDNA and genomic promoter region for a heat shock protein 30 from *Aspergillus nidulans*. *Biochim. Biophys. Acta* 1219: 555-558.

125. Kwon, K.-S., Lee, J., Kang, H.G. & Hah, Y.C. 1994 Detection of β -glucosidase activity in polyacrylamide gels with esculin as substrate. *Appl. Env. Microbiol.* 60: 4584-4586.
126. Lacava, P.M., Ferraz, J.L. 1993 Effect "in vitro" of the herbicides paraquat and trifluralin on the growth of the fungus *Aspergillus nidulans*. *Cientifica* 21: 49-54.
127. Lacey, J. 1994 Aspergilli in feeds and seeds. In *The Genus Aspergillus, from Taxonomy and Genetics to Industrial Application*, FEMS Symposium 69, eds K.A. Powell, A. Renwick & J.F. Peberdy, Plenum Press, New York, pp 73-92.
128. Latgé, J.-P., Paris, S., Sarfati, J., Debeaupuis, J.P. & Monod, M. 1994 Exoantigens of *Aspergillus fumigatus*: serodiagnosis and virulence. In *The Genus Aspergillus, from Taxonomy and Genetics to Industrial Application*, FEMS Symposium 69, eds K.A. Powell, A. Renwick & J.F. Peberdy, Plenum Press, New York, pp 321-339.
129. Lee, B.N., Adams, T.H. 1994 Overexpression of *flbA*, an early regulator of *Aspergillus* asexual sporulation, leads to activation of *brlA* and premature initiation of development. *Mol. Microbiol.* 14 323-334.
130. Legisa, M. & Benicina M. 1994 Evidence for the activation of 6-phosphofructo-1-kinase by cAMP-dependent protein kinase in *Aspergillus niger*. *FEMS Microbiol. Lett.* 118: 327-334.
131. Lewandowska, I., Sikora, E., Szablewska, I., Balinska, M. & Paszewski, A. 1993 metabolism of folate glutamates in *Aspergillus nidulans*, in *Chemistry and Biology of Folates*, ed. Ayling et al. Plenum Press, New York, 675-677.
132. Libby, C.B., Cornett, C.A.G., Reilly, P.J. & Ford, C. 1994 Effect of amino acid deletion in the O-glycosylated region of *Aspergillus awamori* glucoamylase. *Protein Eng.* 7: 1109-1114.
133. Lints, R., Davis, M.A. & Hynes, M.J. 1995 The positively acting *amdA* gene of *Aspergillus nidulans* encodes a protein with two C2H2 zinc-finger motifs. *Mol. Microbiol.* 15: 965-975.
134. Lou, J.L., Meng, Z.H. & Wang, D.S. 1994 Production and characterization of sterigmatocystin. *Biomed. Env. Sci.* 7: 293-301.
135. Lu, K.P. & Means, A.R. 1994 Expression of the noncatalytic domain of the NIMA kinase causes a G2 arrest in *Aspergillus nidulans*. *EMBO J.* 13: 2103-2113.
136. Makimura, K., Murayama, S.Y. & Yamaguchi, H. 1994 Specific detection of *Aspergillus* and *Penicillium* species from respiratory specimens by polymerase chain reaction. *Jap. J. Med. Sci. Biol.* 47: 141-156.
137. Marhoul, J.F. & Adams, T.H. 1995 Identification of developmental regulatory genes in *Aspergillus nidulans* by overexpression. *Genetics* 139: 537-547.

138. Martín, J.F. & Gutiérrez, S. 1995 Genes for β -lactam antibiotic biosynthesis. *Ant. van Leeuwenhoek* 67: 181-200.
139. Martín, J.F., Gutiérrez, S., Fernández, F.J., Velasco, J., Fierro, F., Marcos, A.T. & Kosalkova, K. 1994 Expression of genes and processing of enzymes for biosynthesis of penicillins and cephalosporins. *Ant. van Leeuwenhoek* 65: 227-243.
140. Martinelli, S.D. 1994 Pedigree of authors, in *Aspergillus: 50 years on*; eds S.D. Martinelli and J.R. Kinghorn. Elsevier, Amsterdam, pp 25-31.
141. Martinelli, S.D. 1994 *Aspergillus nidulans* as an experimental organism. In *Aspergillus: 50 years on*; eds S.D. Martinelli and J.R. Kinghorn. Elsevier, Amsterdam, pp 33-58.
142. Martinelli, S.D. 1994 Ribosomes. In *Aspergillus: 50 years on*; eds S.D. Martinelli and J.R. Kinghorn. Elsevier, Amsterdam, pp 479-504.
143. Marzluf, G.A. 1994 Genetics and molecular genetics of sulphur assimilation in the fungi. *Adv. Genet.* 31: 187-206.
144. Mathieu, M. & Felenbok, B. 1994 The *Aspergillus nidulans* CREA protein mediates glucose repression of the ethanol regulon at various levels through competition with the ALCR-specific transactivator. *EMBO* 13: 4022-4027.
145. May, G.S., Denison, S.H., Holt, C.L., McGoldrick, C.A. & Anaya, P. 1994 Molecular genetics of the bimB and bimD genes of *Aspergillus nidulans*, two genes required for mitosis. In *The Genus Aspergillus, from Taxonomy and Genetics to Industrial Application, FEMS Symposium 69*, eds K.A. Powell, A. Renwick & J.F. Peberdy, Plenum Press, New York, pp 209-223.
146. McGoldrick, C.A., Gruver, C. & May, G.S. 1995 *myoA* of *Aspergillus nidulans* encodes an essential myosin I required for secretion and polarized growth. *J. Cell Biol.* 128: 577-587.
147. Melchers, W.J.G., Verweij, P.E., van den Hurk, P., van Belkum, A., De Pauw, B.E., Hoogkamp-Korstanje, J.A.A. & Meis, J.F.G.M. 1994 General primer-mediated PCR for detection of *Aspergillus* species. *J. Clin. Microbiol.* 32: 1710-1717.
148. Mellado, E., Aufauvre-Brown, A., Specht, C.A., Robbins, P.W. & Holden, D.W. 1995 A multigene family related to chitin synthase genes of yeast in the opportunistic pathogen *Aspergillus fumigatus*. *Mol. Gen. Genet.* 246: 353-359.
149. Mirabito, P.M. & Osmani, S.A. 1994 Interactions between the developmental program and cell cycle regulation of *Aspergillus nidulans*. *Seminars Dev. Biol.* 5: 139-145.
150. Montone, K.T., Litzky, L.A. 1995 Rapid method for detection of *Aspergillus* 5S ribosomal RNA using a genus-specific oligonucleotide probe. *Am. J. Clin. Pathol.* 103: 48-51.

151. Moore, J.D., Coggins, J.R., Virden, R. & Hawkins, A.R. 1994 Efficient independent activity of a monomeric, monofunctional dehydroquinate synthase derived from the N-terminus of the pentafunctional AROM protein of *Aspergillus nidulans*. *Biochem. J.* 301: 297-304.
152. Moreno, M.A., Pascual, C., Gibello, A., Ferrer, S., Bos, C.J., Debets, A.J.M. & Suarez, G. 1994 Transformation of *Aspergillus parasiticus* using autonomously replicating plasmids from *Aspergillus nidulans*. *FEMS-Microbiol. Lett.* 124: 35-41.
153. Morpurgo, G. 1994 Research in *Aspergillus nidulans* genetics. *Genetica* 94: 283-289.
154. Moss, M.O. 1994 Biosynthesis of *Aspergillus* toxins - non-aflatoxins. In *The Genus Aspergillus, from Taxonomy and Genetics to Industrial Application*, FEMS Symposium 69, eds K.A. Powell, A. Renwick & J.F. Peberdy, Plenum Press, New York, pp 29-50.
155. Motoyama, T., Kojima, N., Horiuchi, H., Ohta, A., Takagi, M. 1994 Isolation of a chitin synthase gene (*chsC*) of *Aspergillus nidulans*. *Biosci. Biotechnol. Biochem.* 58: 2254-2257.
156. Mouyna, I. & Brygoo, Y. 1993 Fungi and polymerase chain reaction. Larzul, D. La PCR: Un procede de replication in vitro. 387p. Editions Medicale Internationales: Lavoisier: Paris.
157. Mullins, J. 1994 *Aspergillus* and aerobiology. In *The Genus Aspergillus, from Taxonomy and Genetics to Industrial Application*, FEMS Symposium 69, eds K.A. Powell, A. Renwick & J.F. Peberdy, Plenum Press, New York, pp 351-359.
158. O'Connell, M.J., Norbury, C. & Nurse, P. 1994 Premature chromatin condensation upon accumulation of NIMA. *EMBO* 13: 4926-4937.
159. Osmani, A.H., van Peij, N., Mischke, M., O'Connell, M.J. & Osmani, S.A. 1994 A single p34cdc2 protein kinase (encoded by nimXcdc2) is required at G1 and G2 in *Aspergillus nidulans*. *J. Cell Sci.* 107: 1519-1528.
160. Oxenbøll, K. 1994 *Aspergillus* enzymes and industrial uses. In *The Genus Aspergillus, from Taxonomy and Genetics to Industrial Application*, FEMS Symposium 69, eds K.A. Powell, A. Renwick & J.F. Peberdy, Plenum Press, New York, pp 147-154.
161. Parta, M., Chang, Y., Rulong, S., Pinto-DaSilva, P. & Kwon-Chung, K.J. 1994 HYP1, a hydrophobin gene from *Aspergillus fumigatus*, complements the rodletless phenotype in *Aspergillus nidulans*. *Infect. Immun.* 62: 4389-4395.
165. Pelzcar, P., Fiett, J. & Bartnik, E. 1994 How many 5S rRNA genes and pseudogenes are there in *Aspergillus nidulans*? *Acta Biochim. Pol.* 41: 449-452.
166. Peters, D.G. & Caddick, M.X. 1994 Direct analysis of native and chimeric GATA specific DNA binding proteins from *Aspergillus nidulans*. *Nucleic Acids Research* 22: 5164-5172.

167. Petruccioli, M., Piccioli, P., Federici, F. & Podsinelli, M. 1995 Glucose oxidase overproducing mutants of *Penicillium variabile* (P16). *FEMS Microbiol. Lett.* 128: 107-112.
168. Pieterse, C.M.J., van't Klooster, J., van den Berg-Velthuis, G.C.M & Govers, F. 1995 NiaA, the structural nitrate reductase gene of *Phytophthora infestans*: isolation, characterization and expression analysis in *Aspergillus nidulans*. *Curr. Genet.* 27: 359-366.
169. Pinto, F., Pedrogosa, A.M., Monistrol, I.F. & Laborda, F. 1993 Effect of antimicrotubular fungicides in *Aspergillus nidulans*. *Rev. Iberamericana Micol.* 10: 100-104.
170. Pires, L.T.D.A. & Zucchi, T.M.A.D. 1994 A new method to detect potential genotoxic agents using mitotic crossing-over in diploid strains of *Aspergillus nidulans*. *Rev. Brasil. Genet.* 17: 371-376.
171. Pontecorvo, G. 1994 Forward to *Aspergillus*: 50 years on; eds S.D. Martinelli and J.R. Kinghorn. Elsevier, Amsterdam, pp xxiii-xxv.
172. Prade, R.A. & Timberlake, W.E. 1994 The *Penicillium chrysogenum* and *Aspergillus nidulans* wetA developmental regulatory genes are functionally equivalent. *Mol. Gen. Genet.* 244: 539-547.
173. Pu, R.T., Osmani, S.A. 1995 Mitotic destruction of the cell cycle regulated NIMA protein kinase of *Aspergillus nidulans* is required for mitotic exit. *EMBO J.* 14: 995-1003.
174. Punt, P.J., Veldhuissen, G. & van den Hondel, C.A.M.J.J. 1994 Protein targetting and secretion in filamentous fungi. *Ant. van Leeuwenhoek* 65: 211-216
175. Quesada, A., Galván, A. & Fernández, E. 1994 Identification of nitrate transporter genes in *Chlamydomonas reinhardtii*. *Plant J.* 5: 407-419.
176. Rasmussen, C., Garen, C., Brining, S., Kincaid, R.L., Means, R.L. & Means, A.R. 1994 The calmodulin-dependent protein phosphatase catalytic subunit (calcineurin A) is an essential gene in *Aspergillus nidulans*. *EMBO J.* 13: 2545-2552 [Reprinted pp. 3917-3924].
177. Reimmann, C., VanEtten, H.D. 1994 Cloning and characterization of the PDA6-1 gene encoding a fungal cytochrome P-450 which detoxifies the phytoalexin pisatin from garden pea. *Gene* 146: 221-226.
178. Rhounim, L., Gregoire, A., Salami, S. & Faugeron, G. 1994 Clustering of multiple transgene integrations in highly unstable *Ascobolus immersus* transformants. *Curr. Genet.* 26: 344-351.
179. Ríos, S., Fernández-Monistrol, I. & Laborda, F. 1994 Effect of tunicamycin on alpha-galactosidase secretion by *Aspergillus nidulans* and the importance of N-glycosylation. *FEMS Microbiol. Lett.* 120: 169-175.

180. Roper, J.A. 1994 The early history, in *Aspergillus: 50 years on*; eds S.D. Martinelli and J.R. Kinghorn. Elsevier, Amsterdam, pp 3-20.
181. Saha, D. & Das, T.K. 1995 Transformation in *Aspergillus ochraceus*. *Curr. Microbiol.* 30: 83-86.
182. Sakamoto, S., Tamura, G., Ito, K., Ishikawa, T., Iwano, K. & Nishiya, N. 1995 Cloning and sequencing of cellulase cDNA from *Aspergillus kawachii* and its expression in *Saccharomyces cerevisiae*. *Curr. Genet.* 27: 435-439.
183. Samson, R.A. 1994 Current systematics of the genus *Aspergillus*, in *The Genus Aspergillus, from Taxonomy and Genetics to Industrial Application*, FEMS Symposium 69, eds K.A. Powell, A. Renwick & J.F. Peberdy, Plenum Press, New York, pp 261-276.
184. Sanchis, V., Vinas, I., Roberts, I.N., Jeenes, D.J., Watson, A.J. & Archer, D.B. 1994 A pyruvate decarboxylase gene from *Aspergillus parasiticus*. *FEMS Microbiol. Lett.* 117: 207-210. [Correction]
185. Sarangbin, S., Morikawa, S., Kirimura, K. & Usami, S. 1994 Formation of autodiploid strains in *Aspergillus niger* and their application to citric acid production from starch. *J. ferment. Bioeng.* 77: 474-478.
186. Scazzocchio, C. 1994 The proline utilisation pathway, history and beyond. In *Aspergillus: 50 years on*; eds S.D. Martinelli and J.R. Kinghorn. Elsevier, Amsterdam, pp 259-277.
187. Scazzocchio, C. 1994 The purine degradation pathway, genetics, biochemistry and regulation. In *Aspergillus: 50 years on*; eds S.D. Martinelli and J.R. Kinghorn. Elsevier, Amsterdam, pp 221-257.
188. Schultz, S.J., Fry, A.M., Sutterlin, C., Ried, T. & Nigg, E.A. 1994 Cell cycle-dependent expression of Nek2, a novel human protein kinase related to the NIMA mitotic regulator of *Aspergillus nidulans*. *Cell Growth Differentiation* 5: 625-635.
189. Schuren, F.H.J. & Wessels, J.G.H. 1994 Highly-efficient transformation of the homobasidiomycete *Schizophyllum commune* to phleomycin resistance. *Curr. Genet.* 26: 179-183.
190. Scudamore, K.A. 1994 Aspergillus toxins in food and animal feedstuffs. In *The Genus Aspergillus, from Taxonomy and Genetics to Industrial Application*, FEMS Symposium 69, eds K.A. Powell, A. Renwick & J.F. Peberdy, Plenum Press, New York, pp 59-71.
191. Sewall, T.C. 1994 Cellular effects of misscheduled *brlA*, *abaA*, and *wetA* expression in *Aspergillus nidulans*. *Can. J. Microbiol.* 40: 1035-1042.

192. Singh, N.K. & Tiwary, B.N. 1993 Identification and biochemical characterization of an aminoacyl-tRNA synthetase gene in a mutant of *Aspergillus nidulans*. Proc. Nat. Acad. Sci. India B 63: 341-346.
193. Sirakova, T.D., Markaryan, A. & Kolattukudy, P.E. 1994 Molecular cloning and sequencing of the cDNA and gene for a novel elastinolytic metalloproteinase from *Aspergillus fumigatus* and its expression in *Escherichia coli*. Infect. Immun. 62: 4208-4218.
194. Skromne, I., Sánchez, O. & Aguirre, J. 1994 Starvation stress modulates the expression of the *Aspergillus nidulans* brlA regulatory gene. Microbiology 141: 21-28.
195. Smith, D.J. & Payton, M.A. 1994 Hyphal tip extension in *Aspergillus nidulans* requires the manA gene, which encodes phosphomannose isomerase. Mol. Cell. Biol. 14: 6030-6038.
196. Som, T. & Kolaparthi, V.S.R. 1994 Developmental decisions in *Aspergillus nidulans* are modulated by Ras activity. Mol. Cell. Biol. 14: 5333-5348.
197. Sophianopoulou, V., Dialinas, G. 1995 Amino acid transporters of lower eukaryotes: regulation, structure and topogenesis. FEMS Microbiol. Rev. 16: 53-75.
198. Spreadbury, C., Holden, D., Aufauvre-Brown, A., Bainbridge, B. & Cohen, J. 1993 detection of *Aspergillus fumigatus* by polymerase chain reaction. J. Clin. Microbiol. 31: 615-621, Erratum (1994): 32: 2039.
199. Starborg, M., Brundell, E., Gell, K. & Hoog, C. 1994 A novel murine gene encoding a 216 kDa protein is related to a mitotic checkpoint regulator previously identified in *Aspergillus nidulans*. J. Biol. Chem. 269: 24133-24137.
200. Stoltzfus, A., Spencer, D.F., Zuker, M., Logsdon, J.M. & Doolittle, W.F. 1994 Testing the exon theory of genes: the evidence from protein structure. Science 265: 202-207.
201. Straffon, A.F.L., Nagley, P. & Devenish, R.J. 1994 Rescue of yeast defective in mitochondrial ATP synthase subunit 8 by a heterologous gene from *Aspergillus nidulans*. Biochem. Biophys. Res. Commun. 203: 1567-1573.
202. Stringer, M. & Timberlake, W.E. 1995 dewA encodes a fungal hydrophobin component of the *Aspergillus* spore wall. Mol. Microbiol. 16: 33-44.
203. Súarez, T., Viera de Queroz, M., Ostreicher, N. & Scazzocchio, C. 1995 The sequence and binding properties of UaY, the specific regulator of the purine utilization pathway in *Aspergillus nidulans*, suggests an evolutionary relationship with PPR1 protein of *Saccharomyces cerevisiae*. EMBO J. 14: 1453-1467.
204. Swart, K., Debets, A.J.M., Holub, E.F., Bos, C.J. & Hoekstra, R.F. 1994 Physical karyotyping: genetic and taxonomic applications. In The Genus *Aspergillus*, from Taxonomy

and Genetics to Industrial Application, FEMS Symposium 69, eds K.A. Powell, A. Renwick & J.F. Peberdy, Plenum Press, New York, pp 233-240.

205. Tahoun, M.K. 1993 Intensification of glucose oxidase synthesis by multistage mutagenesis of *Aspergillus niger*. *Appl. Biochem. Biotech.* 39/40: 289-295.
206. Tahoun, M.K. 1993 Gene manipulation by protoplast fusion and penicillin production by *Penicillium chrysogenum*. *Appl. Biochem. Biotech.* 39/40: 445-453.
207. Tang, C.M., Smith, J.M., Arst, H.N.Jr. & Holden, D.W. 1994 Virulence studies of *Aspergillus nidulans* mutants requiring lysine or p-aminobenzoic acid in invasive pulmonary aspergillosis. *Infect. Immun.* 62: 5255-5260.
208. Thau, N., Monod, M., Crestani, B., Rolland, C., Tronchin, G., Latgé, J.-P. & Paris, S. 1994 Rodletless Mutants of *Aspergillus fumigatus*. *Infect. Immun.* 62: 4380-4388.
209. Thijs, H., Garde, J., Goosen, T., Tomsett, B., Swart, K., Heyting, C. & van den Broek, H.W.J. 1995 Polarity of meiotic gene conversion is 5' to 3' within the niAD gene of *Aspergillus nidulans*. *Mol. Genet.* 247: 343-350.
210. Tilburn, J., Sarkar, S., Widdick, D.A., Espeso, E.A., Orejas, M., Mungroo, J., Peñalva, M.A. & Arst, H.N.Jr. 1995 The *Aspergillus* PacC zinc finger transcription factor mediates regulation of both acid- and alkaline-expressed genes by ambient pH. *EMBO J.* 14: 779-790.
211. Timberlake, W.E. 1994 From what we know to what we need: a new age for fungal molecular genetics. *Ant. van Leeuwenhoek* 65: 167-168.
212. Timberlake, W.E. & Clutterbuck, A.J. 1994 Genetic regulation of conidiation, in *Progress in Industrial Microbiology*, vol 29; *Aspergillus: 50 years on*; eds S.D. Martinelli and J.R. Kinghorn. Elsevier, Amsterdam, pp 383-427.
213. Tobin, M.B., Cole, S.C.J., Kovacevic, S., Miller, J.R., Baldwin, J.E. & Sutherland, J.D. 1994 Acyl-coenzyme A: isopenicillin N acyltransferase from *Penicillium chrysogenum*: effect of amino acid substitutions at Ser227, Ser230 and Ser309 on proenzyme cleavage and activity. *FEMS Microbiol. Lett.* 121: 39-46.
214. Turner, G. 1994 Genetics of penicillin biosynthesis in *Aspergillus nidulans*. In *The Genus Aspergillus, from Taxonomy and Genetics to Industrial Application*, FEMS Symposium 69, eds K.A. Powell, A. Renwick & J.F. Peberdy, Plenum Press, New York, pp 197-207.
215. van den Broek, P., Goosen, T., Wennekes, B. & van den Broek, H. 1995 Isolation and characterization of the glucose-6-phosphate dehydrogenase encoding gene (gsdA) from *Aspergillus niger*. *Mol. Genet.* 247: 229-239.

216. van den Hombergh, J.P.T.W., Jarai, G., Buxton, F.P. & Visser, J. 1994 Cloning, characterization and expression of *pepF*, a gene encoding a serine carboxypeptidase from *Aspergillus niger*. *Gene* 151: 73-79
217. van der Veen, P., Arst, H.N.Jr., Flippihi, M.J.A. & Visser, J. 1994 Extracellular arabinases in *Aspergillus nidulans*: the effect of different cre mutations on enzyme levels. *Arch. Microbiol.* 162: 433-440.
218. van Gorcom, R.F.M., Punt, P.J. & van den Hondel, C.A.M.J.J. 1994 Heterologous gene expression in *Aspergillus*, in *The Genus Aspergillus*, from Taxonomy and Genetics to Industrial Application, FEMS Symposium 69, eds K.A. Powell, A. Renwick & J.F. Peberdy, Plenum Press, New York, pp 241-250.
219. Varga, J., Kevei, F., Vriesema, A., Debets, F., Kozakiewicz, Z. & Croft, J.H. 1994 Mitochondrial DNA restriction fragment length polymorphisms in field isolates of the *Aspergillus niger* aggregate. *Can. J. Microbiol.* 40: 612-621.
220. Velasco, J., Gutiérrez, S., Fernández, F.J., Marcos, A.T., Arenos, C. & Martín, J.F. 1994 Exogenous methionine increases levels of messenger RNAs transcribed from *pcbAB*, *pcbC* and *cefEF* genes, encoding enzymes of the cephalosporin biosynthetic pathway, in *Acremonium chrysogenum*. *J. Bacteriol.* 176: 985- 991.
221. Verdoes, J.C., Calil, M.R., Punt, P.J., Debets, F., Swart, K., Stouthamer, A.H. & van den Hondel, C.A.M.J.J. 1994 The complete karyotype of *Aspergillus niger*: the use of introduced electrophoretic mobility variation of chromosomes for gene assignment studies. *Molec. Gen. Genet.* 244: 75-80.
222. Verdoes, J.C., Punt, P.J., Stouthamer, A.H. & van den Hondel, C.A.M.J.J. 1994 The effect of multiple copies of the upstream region on expression of the *Aspergillus niger* glucoamylase-encoding gene. *Gene* 145: 179-187.
223. Verdoes, J.C., Punt, P.J., van den Berg, P., Debets, F., Stouthamer, A.H. & van den Hondel, C.A.M.J.J. 1994 Characterization of an efficient gene cloning strategy for *Aspergillus niger* based on an autonomously replicating plasmid: cloning of the *nicB* gene of *A. niger*. *Gene* 146: 159-165.
224. Verdoes, J.C., van Diepeningen, A.D., Punt, P.J., Debets, A.J.M., Stouthamer, A.H. & van den Hondel, C.A.M.J.J. 1994 Evaluation of molecular and genetic approaches to generate glucoamylase overproducing strains of *Aspergillus niger*. *J. Biotechnol.* 36: 165-175.
225. Wang, Y., Prade, R.A., Griffith, J., Timberlake, W.E. & Arnold, J. 1994 A fast random cost algorithm for physical mapping. *Proc. Natl. Acad. Sci. USA* 91: 11094-11098.
226. Wicklow, D.T., Dowd, P.F. & Gloer, J.B. 1994 Antiinsectan effects of *Aspergillus* metabolites. In *The Genus Aspergillus*, from Taxonomy and Genetics to Industrial Application,

FEMS Symposium 69, eds K.A. Powell, A. Renwick & J.F. Peberdy, Plenum Press, New York, pp 93-114.

227. Wieser, J. & Adams, T.H. 1995 *flbD* encodes a Myb-like DNA-binding protein that coordinates initiation of *Aspergillus nidulans* conidiophore development. *Genes. Dev.* 9: 491-502.
228. Wieser, J., Lee, B.N., Fondon, J.W.III & Adams, T.H. 1994 Genetic requirements for initiating asexual development in *Aspergillus nidulans*. *Curr. Genet.* 27: 62-69.
229. Williams, R.S.B., Davis, M.A. & Howlett, B.J. 1994 Nitrate reductase of the ascomycetous fungus, *Leptosphaeria maculans*: gene sequence and chromosomal location. *Mol. Gen. Genet.* 244 1-8.
230. Witteveen, C.F.B., Weber, F., Busink, R. & Visser, J. 1994 Purification and characterization of two xylitol dehydrogenases from *Aspergillus niger*. *Microbiology* 140: 1679-1685.
231. Wolushok, C.P., Foutz, K.R., Brewer, J.F., Batnagar, D., Cleveland, T.E. & Payne, G.A. 1994 Molecular characterization of *aflR*, a regulatory locus for aflatoxin biosynthesis. *Appl. Env. Microbiol.* 60: 2408-2414.
232. Xiang, X., Beckwith, S.M. & Morris, N.R. 1994 Cytoplasmic dynein is involved in nuclear migration in *Aspergillus nidulans*. *Proc. Natl Acad. Sci. U.S.A.* 91: 2100-2104.
233. Xuei, X. & Skatrud, P.L. 1994 Molecular karyotype alterations induced by transformation in *Aspergillus nidulans* are mitotically stable. *Curr. Genet.* 26: 225-227.
234. Yanai, K., Kojima, N., Takaya, N., Horiuchi, H., Ohta, A. & Takagi, M. 1994 Isolation and characterization of two chitin synthase genes from *Aspergillus nidulans*. *Biosci. Biotechnol. Biochem.* 58: 1828-1835.
235. Yao, J., Cao, X.F., Liu, Z.H. & Chen, Z.L. 1994 Cloning of calmodulin gene of pea (*Pisum sativum*) by PCR and comparison of its coding sequences in different species. *Acta Bot. Sinica* 36: 81-86.
236. Ye, X.S., Xu, G., Pu, R.T., Fincher, R.R., McGuire, S.L., Osmani, A.H. & Osmani, S.A. 1995 The NIMA Protein kinase is hyperphosphorylated and activated downstream of p34cdc2/cyclin B: Coordination of two mitosis promoting kinases. *EMBO* 14: 986-994.

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