

Aspergillus Bibliography

John Clutterbuck

Follow this and additional works at: <http://newprairiepress.org/fgr>

Recommended Citation

Clutterbuck, J. (1994) "Aspergillus Bibliography," *Fungal Genetics Reports*: Vol. 41, Article 28. <https://doi.org/10.4148/1941-4765.1390>

This Bibliography is brought to you for free and open access by New Prairie Press. It has been accepted for inclusion in Fungal Genetics Reports by an authorized administrator of New Prairie Press. For more information, please contact cads@k-state.edu.

Aspergillus Bibliography

Abstract

Aspergillus Bibliography

Creative Commons License



This work is licensed under a [Creative Commons Attribution-Share Alike 4.0 License](https://creativecommons.org/licenses/by-sa/4.0/).

Aspergillus Bibliography

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 I would be grateful for notification of any errors. John Clutterbuck

[Author and Keyword Index](#)

1. Aguirre Linares, J. 1992 *Aspergillus nidulans* como sistema experimental, y la esporulacion como modelo de diferenciacion celular y regulacion genetica. *Ciencia (Mex. City)* 43: 445-450.
2. Aharonowitz, Y., Bergmeyer, J., Cantoral, J.M., Cohen, G., Demain, A.L., Fink, U., Kinghorn, J., Kleinkauf, H., MacCabe, A., Palissa, H., Pfeifer, E., Schwecke, T., van Liempt, H., von Dohren, H., Wolfe, S. & Zhang, J. 1993 delta-(D-alpha-aminoadipyl)-L-cysteinyl- D-valine synthetase, the multienzyme integrating the four primary reactions in beta- lactam biosynthesis, as a model peptide synthetase. *Bio/Technology* 11: 807-810.
3. Alvarez, E., Meesschaert, B., Montenegro, E., Gutierrez, S. & Diez, B. 1993 The isopenicillin-N acyltransferase of *Penicillium chrysogenum* has isopenicillin-N amido- hydrolase, 6-aminopenicillanic acid acyltransferase and penicillin amidase activities, all of which are encoded by the single penDE gene. *Eur. J. Biochem.* 215:323-332
4. Aplin, R.T., Baldwin, J.E., Cole, S.C.J., Sutherland, J.D. & Tobin, M.B. 1993 On the production of alpha, beta- heterodimeric acyl-coenzyme A isopenicillin N- acyltransferase of *Penicillium chrysogenum*. Studies using a recombinant source. *FEBS Lett.* 319: 166-170.
5. Aramayo, R. & Timberlake, W.E.1993 The *Aspergillus nidulans* yA gene is regulated by abaA. *EMBO J.* 12: 2039-2048.
6. Babudri, N., Salvini, D., Pimpinelli, S. & Morpurgo, G. 1994 The genetic activity of 6-N-hydroxylaminopurine in *Aspergillus nidulans*. *Mutat. Res.* 321: 19-26.
7. Baldwin, J.E., Byford, M.F., Field, R.A., Shiau, C.-Y., Sobey, W.J. & Schofield, C.J. 1993 Exchange of the valine 2-H in the biosynthesis of L-delta-(alpha-aminoadipoyl)-L- cysteinyl-D-valine. *Tetrahedron* 49: 3221-3226.
8. Basten, C.J. & Asmussen, M.A. 1993 Estimation of mitotic stability in conidial fungi: a theoretical framework. *Genetics* 134: 361-368.
9. Benigni, R., Andreoli, C., Conti, L., Tafani, P., Cotta- Ramusino, M., Carere, A. & Crebelli, R. 1993 Quantitative structure-activity relationship models correctly predict the toxic and aneuploidizing properties of six halogenated methanes in *Aspergillus nidulans*. *Mutagenesis* 8: 301-305.

10. Berski, R.M., Carmona, C.L., Hayenza, K.J., Thompson, P.A. & Ward, M. 1993 Isolation and characterization of the *Aspergillus oryzae* gene encoding aspergillopepsin O. *Gene* 125: 195-8
11. Bowyer, P., De Lucas, J.R., & Turner, G. 1994 Regulation of expression of the isocitrate lyase gene (*acuD*) of *Aspergillus nidulans*. *Molec. Gen. Genet.* 242:484-9
12. Bowyer, P., Osbourn, A.E. & Daniels, M.J. 1994 An "instant gene bank" method for heterologous gene cloning: complementation of two *Aspergillus nidulans* mutants with *Gaeumannomyces graminis* DNA. *Molec. Gen. Genet.* 242: 448-454
13. Brakhage, A.A., Browne, P. & Turner, G. 1994 Analysis of the regulation of penicillin biosynthesis in *Aspergillus nidulans* by targeted disruption of the *acvA* gene. *Molec. Gen. Genet.* 242: 57-64
14. Brown, D.W. & Salvo, J.J. 1994 Isolation and characterization of sexual spore pigments from *Aspergillus nidulans*. *Appl. Env. Microbiol.* 60: 979-983.
15. Bulawa, C.E. 1993 Genetics and molecular biology of chitin synthesis in fungi. *Ann. Rev. Microbiol.* 47: 505-534.
16. Castro-Prado, M.A.A. & Zucchi, T.M.A.D. 1992 Characterization of the Dp(II,I) duplication in *Aspergillus nidulans*: presence of the *AcrA1* gene and its regulatory transcription sequence in the transposed segment. *Rev. Brasil. Genet.* 15: 777-788.
17. Clutterbuck, A.J. 1994 Mutants of *Aspergillus nidulans* deficient in nuclear migration during hyphal growth and conidiation. *Microbiology* 140: 1169-1174
18. Clutterbuck, J., Gems, D., & Robertson, S. 1993 Uses and analyses of the ARp1 *Aspergillus nidulans* replicating plasmid. Baltz, R.H., Hegeman, G.D. & Skatrud, P.P. (Eds.). *Industrial Microorganisms: Basic and Applied Molecular Genetics; Fifth ASM Conference on the Genetics and Molecular Biology of Industrial Microorganisms*, Bloomington, Indiana, pp 27-30.
19. Cooley, R.N. & Caten, C.E. 1993 Molecular analysis of the *Septoria nodorum* beta-tubulin gene and characterization of a benomyl-resistance mutation. *Mol. Gen. Genet.* 237: 58-64
20. Cove, D.J. 1993 Mutant analysis, a key tool for the study of metabolism and development. *Plant J.* 3: 303-308
21. Cubero, B. & Scazzocchio, C. 1994 Two different, adjacent and divergent zinc finger binding sites are necessary for CREA-mediated carbon catabolite repression in the proline gene cluster of *Aspergillus nidulans*. *EMBO J.* 13: 407-415.
22. Cuticchia, A.J., Arnold, J. & Timberlake, W.E. 1992 The use of simulated annealing in chromosome reconstruction experiments based on binary scoring. *Genetics*, 132: 591- 601.

23. Dales, R.G.B., Moorhouse, J. & Croft, J.H. 1993 Evidence for a multi-allelic heterokaryon incompatibility (het) locus detected by hybridization among three heterokaryon- compatibility (h-c) groups of *Aspergillus nidulans*. *Heredity* 70: 537-543.
24. Davis, M.A., Kelly, J.M. & Hynes, M.J. 1993 fungal catabolic gene regulation: molecular genetic analysis of the *amdS* gene of *Aspergillus nidulans*. *Genetica* 90: 133-145.
25. de la Torre, R.A., Espinoza-Aguirre, J.J., Cortinas de Nava, C., Izquierdo, T. & Moron, F. 1994 Genotoxic activity of mebendazole in *Aspergillus nidulans*. *Mutat. Res.* 305: 139- 144
26. de Lucas, J.R., Monistrol, I.F. & Laborda, F. 1993 Effect of antimicrotubular drugs on the secretion process of extracellular proteins in *Aspergillus nidulans*. *Mycol. Res.* 97: 961-966.
27. de Vries, O.M.H., Fekkes, M.P., W'ysten, H.A.B. & Wessels, J.G.H. 1993 Insoluble hydrophobin complexes in the walls of *Schizophyllum commune* and other filamentous fungi. *Arch. Microbiol.* 159: 330-335
28. Denison, S.H., Kafer, E. & May, G.S. 1993 Mutation in the *bimD* gene of *Aspergillus nidulans* confers a conditional block and sensitivity to DNA damaging agents. *Genetics* 134: 1085-1096.
29. Denison, S.H. & May, G.S. 1994 Mitotic catastrophe is the mechanism of lethality for mutations that confer mutagen sensitivity in *Aspergillus nidulans*. *Mutat. Res.* 304: 193- 202.
30. Dhawale, S.S. & Lane, A.C. 1993 Compilation of sequence- specific DNA-binding proteins implicated in transcriptional control in fungi. *Nucleic Acids Res.* 21: 5537-5546
31. Drysdale, M.R., Kolze, S.E. & Kelly, J.M. 1993 The *Aspergillus niger* carbon catabolite repressor encoding gene *creA*. *Gene* 130: 241-245.
32. Durand, N., Raymond, P. & Fevre, M. 1993 Randomly amplified polymorphic DNAs assess recombination following an induced parasexual cycle in *Penicillium roqueforti*. *Curr. Genet.* 24: 417-420.
33. Elliott, C.G. 1993 *Reproduction in fungi*. Chapman & Hall, London.
34. Espeso, E.A., Tilburn, J., Arst, H.N.Jr. & Penalva, M.A. 1993 pH regulation is a major determinant in expression of a fungal penicillin biosynthetic gene. *EMBO J.* 12: 3947-3956.
35. Fernandez-Espinar, M.T., Pena, J.L., Pinaga, F. & Valles, S. 1994 alpha-L-arabinofuranosidase production by *Aspergillus nidulans*. *FEMS Microbiol. Lett.* 115: 107-112.
36. Fernandez-Espinar, M.T., Pinaga, F., Sanz, P., Ramon, D. & Valles, S. 1993 Purification and characterization of a neutral endoxylanase from *Aspergillus nidulans*. *FEMS Microbiol. Lett.* 113: 223-228.

37. Ferrari, N., Giusti, S.C. & Carneiro, M.R. 1993 Mutagenic activity of *Achyrocline satureioides* (Lam.) DC. (Compositae) detected by the bimeth ssystem in *Aspergillus nidulans*. *Rev. Brasil. Genet.* 16: 275-282.
38. Fierro, F., Gutierrez, S., Diez, B. & Martin, J.F. 1993 Resolution of four large chromosomes in penicillin- producing filamentous fungi: the penicillin gene cluster is located on chromosome II (9.6 Mb) in *Penicillium notatum* and chromosome I (10.4 Mb) in *Penicillium chrysogenum*. *Mol. Gen. Genet.* 241: 573-578.
39. Flippin, M.J.A., van Heuvel, M., van der Veen, P., Visser, J. & de Graaf, L.H. 1993 Cloning and characterization of the *abfB* gene coding for the major alpha-L- arabinofuranosidase (ABF B) of *Aspergillus niger*. *Curr. Genet.* 24: 525-532.
40. Foster, L.M., Kozak, K.R., Loftus, M.G., Stevens, J.J. & Ross, K.K. 1993 The polymerase chain reaction and its use in filamentous fungi. *Mycol Res.* 97: 769-781.
41. Frederick, G.D., Rombouts, P. & Buxton, F.P. 1993 Cloning and characterization of *pepC*, a gene encoding a serine protease from *Aspergillus niger*. *Gene* 125: 57-64.
42. Geisen, R. 1993 Cloning of a protease gene from *Penicillium nalgiovense* by expression in *Escherichia coli*. *Lett. Appl. Microbiol.* 16: 303-306
43. Geiser, D.M., Arnold, M.L. & Timberlake, W.E. 1994 Sexual origins of British *Aspergillus nidulans* isolates. *Proc. Natl. Acad. Sci. USA* 91: 2349-2352.
44. Gems, D., Aleksenko, A., Belenky, L., Robertson, S., Ramsden, M., Vinetski, Y. & Clutterbuck, A.J. 1994 An 'instant gene bank' method for gene cloning by mutant complementation. *Molec. Gen. Genet.* 242: 467-71.
45. Gems, D.H. & Clutterbuck, A.J. 1993 Co-transformation with autonomously-replicating helper plasmids facilitates gene cloning from an *Aspergillus nidulans* gene library. *Curr. Genet.* 24: 520-524.
46. Gems, D.H. & Clutterbuck, A.J. 1994 Enhancers of conidiation mutants in *Aspergillus nidulans*. *Genetics* 137: 79-85.
47. Gimeno, C.J. & Fink, G.R. 1994 Induction of pseudohyphal growth by overexpression of PHD1, a *Saccharomyces cerevisiae* gene related to transcriptional regulators of fungal development. *Mol. Cell. Biol.* 14: 2100-2112.
48. Gorfinkiel, L., Diallinas, G. & Scazzocchio, C. 1993 Sequence and regulation of the *uapA* gene encoding a uric acid-xanthine permease in the fungus *Aspergillus nidulans*. *J. Biol. Chem.* 268: 23376-23381.

49. Griffith, G.W., Jenkins, G.I., Milner-White, E.J. & Clutterbuck, A.J. 1994 Homology at the amino acid level between plant phytochromes and a regulator of asexual sporulation in *Emericella* (= *Aspergillus*) *nidulans*. *Photochem. Photobiol.* 59: 252-256.
50. Han, Y.J. & Han, D.M. 1993 [In Korean] Isolation and characterization of null pigment mutant in *Aspergillus nidulans*. *Korean J. Genet.* 15: 1-10
51. Harmsen, M.C., Schuren, F.H.J., Moukha, S.M., van Zuilen, C.M., Punt, P.J. & Wessels, J.G.H. 1992 Sequence analysis of the glyceraldehyde-3-phosphate dehydrogenase genes from the basidiomycetes *Schizophyllum commune*, *Phanerochaete chrysosporium* and *Agaricus bisporus*. *Curr. Genet.* 22: 447-454.
52. Harris, S.D., Morrell, J.L. & Hamer, J.E. 1994 Identification and characterization of *Aspergillus nidulans* mutants defective in cytokinesis. *Genetics* 136: 517-532.
53. Haus, H., Friedlin, E., St"ffler, G. & Redl, B. 1993 Cloning and structural organization of a xylanase-encoding gene from *Penicillium chrysogenum*. *Gene* 126: 237-42
54. Hawkins, A.R., Lamb, H.K., Moore, J.D., Charles, I.G. & Roberts, C.F. 1993 The pre-chorismate (shikimate) and quinate pathways in filamentous fungi: theoretical and practical aspects. *J. Gen. Microbiol.* 139: 2891-9.
55. Hawkins, A.R., Lamb, H.K., Moore, J.D. & Roberts, C.F. 1993 Genesis of eukaryotic transcriptional activator and repressor proteins by splitting a multidomain anabolic enzyme. *Gene* 136: 49-54.
56. Hawkins, A.R., Moore, J.D. & Adeokun, A.M. 1993 Characterization of the 3-dehydroquinase domain of the pentafunctional arom protein, and the quinate dehydrogenase from *Aspergillus nidulans*, and the overproduction of the type II 3- dehydroquinase from *Neurospora crassa*. *Biochemical J.* 296: 451-457.
57. Henwick, S., Hetherington, S.V. & Patrick, C.C. 1993 Complement binding to *Aspergillus conidia* correlates with pathogenicity. *J. Lab. Clin. Med.* 16: 259-274.
58. Hintz, W.E. & Lagorsky, P.A. 1993 A glucose-derepressed promoter for expression of heterologous products in the filamentous fungus *Aspergillus nidulans*. *Bio/Technology* 11: 815-818.
59. Hoh, Y.K., Yeoh, H.-H. & Tan, T.K. 1993 Isolation and characterization of α -glucosidases from *Aspergillus nidulans*. *World J. Microbiol. Biotechnol.* 9: 555-558.
60. Holt, C.L. & May, G.S. 1993 A novel phage lambda replacement Cre-lox vector that has automatic subcloning capabilities. *Gene* 133: 95-97.
61. Jarai, G., Kirchherr, D. & Buxton, F.P. 1994 Cloning and characterization of the pepD gene of *Aspergillus niger* which codes for a subtilisin-like protease. *Gene* 139: 51-7.

62. Jha, S.H. & Sinha, U. 1991 Selection or induction of griseofulvin produced haploids in *Aspergillus nidulans*. *Acta Bot. Ind.* 19: 171-175.
63. Joshi, H.C. 1993 gamma-tubulin: the hub of cellular microtubule assemblies. *Bioessays* 15: 637-643
64. Judelson, H.S. 1993 Intermolecular ligation mediates efficient cotransformation in *Phytophthora infestans*. *Mol. Gen. Genet.* 239: 241-250.
65. Kafer, E. & Chae, S.-K. 1994 Phenotype and epistatic grouping of hypo- and hyper-rec mus mutants in *Aspergillus nidulans*. *Curr. Genet.* 25: 223-32
66. Keller, N.P., Kantz, N.J. & Adams, T.H. 1994 *Aspergillus nidulans* *verA* is required for production of the mycotoxin sterigmatocystin. *Appl. Env. Microbiol.* 60: 1444-1450.
67. Kirk, K.E & Morris, N.R. 1993 Either alpha-tubulin isogene product is sufficient for microtubule function during all stages of growth and differentiation in *Aspergillus nidulans*. *Mol. Cell. Biol.* 13: 4465-4476.
68. Kitamoto, N., Kimura, T., Kito, Y., Ohmiya, K. & Tsukagoshi, N. 1993 Structural features of a polygalacturonase gene cloned from *Aspergillus oryzae* KBN616. *FEMS Microbiol. Lett.* 111: 37-42.
69. Koch, A., Weigel, C.T.D. & Schutz, G. 1993 Cloning, sequencing, and heterologous expression of a cellulase- encoding cDNA (*cbh1*) from *Penicillium janthinellum*. *Gene* 124: 57-65
70. Kulmberg, P., Mathieu, M., Dowzer, C., Kelly, J. & Felenbok, B. 1993 Specific binding sites in the *alcR* and *alcA* promoters of the ethanol regulon for the CREA repressor mediating carbon catabolite repression in *Aspergillus nidulans*. *Mol. Microbiol.* 7: 847-857.
71. Kurokawa, N. & Ohfuné, Y. 1993 Synthetic studies on antifungal cyclic peptides echinocandins. Stereoselective total synthesis of echinocandin D via a novel peptide coupling. *Tetrahedron* 49: 6195-6222.
72. Kusnadi, A.R., Ford, C. & Nikolov, Z.L. 1993 Functional starch-binding domain of *Aspergillus glucoamylase I* in *Escherichia coli*. *Gene* 127: 193-197.
73. Lee, B.N. & Adams, T.H. 1994 The *Aspergillus nidulans* *fluG* gene is required for production of an extracellular developmental signal and is related to prokaryotic glutamine synthetase I. *Genes Dev.* 8: 641-651.
74. Lendenfeld, T., Ghali, D., Wolschek, M., Kubicek-Pranz, E.M. & Kubicek, C.P. 1993 subcellular compartmentation of penicillin biosynthesis in *Penicillium chrysogenum*. The amino acid precursors are derived from the vacuole. *J. Biol. Chem* 268: 665-671.

75. Leslie, J.F. 1993 Fungal vegetative compatibility. *Ann. Rev. Phytopathol.* 31: 127-150.
76. Lever, M.C., Robertson, B.E.M., Buchan, A.D.B., Miller, P.E.P., Gooday, G.W. & Gow, N.A.R. 1994 pH and Ca²⁺ dependent galvanotropism of filamentous fungi: implications and mechanism. *Mycol. Res.* 98: 301-306.
77. Lu, K.P., Kemp, B.E. & Means, A.R. 1994 Identification of substrate specificity determinants for the cell cycle- regulated NIMA protein kinase. *J. Biol. Chem.* 269: 6603- 6607.
78. Lu, K.P. & Means, A.R. 1993 Regulation of the cell cycle by calcium and calmodulin. *Endocrine Rev.* 14: 40-58.
79. Lu, K.P., Osmani, S.A. & Means, A.R. 1993 Properties and regulation of the cell cycle-specific nima protein kinase of *Aspergillus nidulans*. *J. Biol. Chem.* 268: 8769-8776
80. Lu, K.P., Osmani, S.A., Osmani, A.H. & Means, A.R. 1993 Essential roles for calcium and calmodulin in G2/M progression in *Aspergillus nidulans*. *J. Cell Biol.* 121: 621- 630.
81. Luduena, R.F. 1993 Are tubulin isotypes functionally significant? *Mol. Biol. Cell* 4: 445-457
82. Luo, H. & Perlin, M.H. 1993 The α -tubulin-encoding gene from the fungus, *Ustilago violacea*, has a long 5'- untranslated region. *Gene* 137 :187-194.
83. Maat, J., Rosa, M., Verbakel, H., Stam, H., Santos da Silva, M.J., Bosse, M., Egmond, M.R., Hagemans, M.L.D., van Gorcom, R.F.M., Hessing, J.G.M., van den Hondel, C.A.M.J.J. & van Rotterdam, C. 1992 Xylanases and their application in bakery. In *Xylans and Xylanases*, ed. Visser, J., Elsevier B.V. pp. 349-360.
84. MacKenzie, D.A., Jeenes, D.J., Belshaw, N.J. & Archer, D.B. 1993 Regulation of secreted protein production by filamentous fungi recent developments and perspectives. *J. Gen Microbiol.* 139: 2295-2307.
85. MacRae, W.D., Buxton, F.P., Gwynne, D.I. & Davies, R.W. 1993 Heterologous protein secretion directed by a repressible acid phosphatase system of *Aspergillus niger*. *Gene* 132: 193-198.
86. MacRae, W.D., Buxton, F.P., Sibley, S., Garven, S., Gwynne, D.I., Arst, H.N.Jr. & Davies, R.W. 1993 Characterization of an *Aspergillus nidulans* genomic DNA fragment conferring phosphate-non-repressible acid phosphatase activity. *Gene* 130: 247-251.
87. Markham, P., Robson, G.D., Bainbridge, B.W. & Trinci, A.P.J. 1993 Choline: its role in the growth of filamentous fungi and the regulation of mycelial morphology. *FEMS Microbiol. Rev.* 104: 287-300.

88. Martinez-Blanco, H., Orejas, M., Reglero, A., Luengo, J.M. & Penalva, M.A. 1993 Characterization of the gene encoding acetyl-CoA synthetase in *Penicillium chrysogenum*: conservation of intron position in plectomycetes. *Gene* 130: 265-270.
89. Marzluf, G.A. 1993 Regulation of sulfur and nitrogen metabolism in filamentous fungi. *Ann. Rev. Microbiol.*, 47: 31-55.
90. Melki, R., Vainberg, I.E., Chow, R.L. & Cowan, N.J. 1993 Chaperonin-mediated folding of vertebrate actin-related protein and gamma-tubulin. *J. Cell Biol.* 122: 1301-1310.
91. Miller, B.L. 1993 Brushing up on bristles: complex genes and morphogenesis in molds. *Trends Genet.* 9: 293-295.
92. Mirabito, P.M. & Morris, N.R. 1993 BIMA, a TPR- containing protein required for mitosis, localizes to the spindle pole body in *Aspergillus nidulans*. *J. Cell Biol.* 216: 959-968.
93. Moore, J.D. & Hawkins, A.R. 1993 Overproduction of, and interaction within, bifunctional domains from the amino- and carboxy-termini of the pentafunctional arom protein of *Aspergillus nidulans*. *Mol. Gen. Genet.* 240: 92- 102.
94. Murakami, K., Aikawa, J.-I, Horinouchi, S. & Beppu, T. 1993 Characterization of an aspartic proteinase of *Mucor pusillus* expressed in *Aspergillus oryzae*. *Molec. Gen. Genet.* 241: 312-318.
95. Naruse, A., Yamamoto, H. & Sekiguchi, J. 1993 Nucleotide sequence of the large mitochondrial rRNA gene of *Penicillium chrysogenum*. *Biochim. Biophys. Acta* 1172: 353-356.
96. Nikolaev, I.V., Vavilova, E.A. & Vinetski, Y.P. 1992 [In Russian] Molecular structure of the lac-phenotype in the filamentous fungus *Penicillium canescens*: existence of secreted and two intracellular beta-galactosidases. *Biochemistry USSR* 57: 594-599.
97. Nowak, C. & Kuck, U. 1994 development of an homologous transformation system for *Acremonium chrysogenum* based on the beta-tubulin gene. *Curr. Genet.* 25: 34-40
98. Nuero, O.M., Alfonso, C., De Lamo, F. & Reyes, F. 1993 Study of beta-1,3-glucanase activity during autolysis of *Aspergillus nidulans* by FPLC ion-exchange chromatography. *Lett. Appl. Microbiol.* 17: 104-108.
99. Oestreicher, N. & Scazzocchio, C. 1993 Sequence, regulation, and mutational analysis of the gene encoding urate oxidase in *Aspergillus nidulans*. *J. Biol. Chem.* 268: 23382-23389.
100. Oestreicher, N., Sealy-Lewis, H.M. & Scazzocchio, C. 1993 Characterization, cloning and integrative properties of the gene encoding urate oxidase in *Aspergillus nidulans*. *Gene* 132: 185-192.
101. Ohta, E., Oda, K., Yamato, K., Nakamura, Y., Takemura, M., Nozato, N., Akashi, K., Ohya, K. & Michel, F. 1993 Group I introns in the liverwort mitochondrial genome: the gene

- coding for subunit 1 of cytochrome oxidase shares five intron positions with its fungal counterparts. *Nucleic Acids Res.* 21: 1297-1305.
102. Paris, S., Monod, M., Diaquin, M., Lamy, B., Arruda, L.K., Punt, P.J. & Latg., J.P. 1993 A transformant of *Aspergillus fumigatus* deficient in the antigenic cytotoxin ASPFI. *FEMS Microbiol. Lett.* 111: 31-36.
103. Parry, J.M. 1993 An evaluation of the use of in vitro tubulin polymerization, fungal and wheat assays to detect the activity of potential chemical aneugens. *Mutat. Res.* 287: 23-28
104. Parry, J.M. 1993 The detection and assessment of the aneugenic potential of environmental chemicals: the European Community Aneuploidy Project. *Mutat. Res.* 287: 3-15.
105. Penalva, M.A., Espeso, E., Perez-Esteban, B., Orejas, M., Fernandez-Canon, J.M. & Martinez-Blanco, H. 1993 Expression of fungal genes involved in penicillin biosynthesis. *World J. Microbiol. Biotechnol.* 9: 461-467.
106. Peng, M., Lemke, P.A. & Singh, N.K. 1993 A nucleotide sequence involved in replicative transformation of a filamentous fungus. *Curr. Genet.* 24: 114-121.
107. Perez-Esteban, B., Orejas, M., Gomez-Pardo, E. & Penalva, M.A. 1993 Molecular characterization of a fungal secondary metabolism promoter: transcription of the *Aspergillus nidulans* isopenicillin N synthetase gene is modulated by upstream negative elements. *Mol. Microbiol.* 9: 881-895
108. Piddington, C.S., Houston, C.S., Paloheimo, M., Cantrell, M., Miettinen-Oinonen, A., Nevalainen, H. & Rambosek, J. 1993 The cloning and sequencing of the genes encoding phytase (phy) and pH 2.5-optimum acid phosphatase (aph) from *Aspergillus niger* var. *awamori*. *Gene* 133: 55-62.
109. Pileggi, M., Pileggi, S.A.V. & de Azevedo, J. 1993 [in Portuguese] Genetic heterogeneity resulting from mycelial elongation of *nicB* supressors from *Aspergillus nidulans*. *Arq. Biol. Tecnol.* 36: 149-163.
110. Pinaga, F., Fernandez-Espinar, M.T., Valles, S. & Ramon, D. 1994 Xylanase production in *Aspergillus nidulans*: induction and carbon catabolite repression. *FEMS Microbiol. Lett.* 113: 319-323.
111. Prosser, J.L. 1993 Growth kinetics of mycelial colonies and aggregates of ascomycetes. *Mycol Res.* 97: 513-528.
112. Punt, P.J. & van den Hondel, C.A.M.J.J. 1992 Transformation of filamentous fungi based on hygromycin B and phleomycin resistance markers. *Meth. Enzymol.* 216: 447-457.

113. Punt, P.J. & van den Hondel, C.A.M.J.J. 1992 Analysis of transcription control sequences in filamentous fungi. In EMBO Workshop on Molecular Biology of Filamentous Fungi, ed. Stahl, U. & Tudzynski, P.; VCH, Weinholm, pp. 177-187.
114. Raitt, D.C., Bradshaw, R.E. & Pillar, T.M. 1994 Cloning and characterisation of the cytochrome c gene of *Aspergillus nidulans*. *Molec. Gen. Genet.* 242: 17-22.
115. Ramon, D., van der Veen, P. & Visser, J. 1993 Arabinan degrading enzymes from *Aspergillus nidulans*: Induction and purification. *FEMS Microbiol. Lett.* 113: 15-22.
116. Randez-Gil, F. & Sanz, P. 1993 Expression of *Aspergillus oryzae* alpha-amylase gene in *Saccharomyces cerevisiae*. *FEMS Microbiol. Lett.* 112: 119-124.
117. Rasmussen, C.D., Lu, K.P., Means, R.L. & Means, A.R. 1992 Calmodulin and cell cycle control. *J. Physiol. Paris* 86: 83-88.
118. Rios, S., Pedrogosa, A.M., Monistrol, I.F. & Laborda, F. 1993 Purification and molecular properties of an alpha- galactosidase synthesized and secreted by *Aspergillus nidulans*. *FEMS Microbiol. Lett.* 112: 35-41.
119. 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: 204-211.
120. Saxena, R.K., Khurana, N., Kuhad, R.C. & Gupta, R. 1992 D-glucose soluble starch, a novel medium for inducing microcycle conidiation in *Aspergillus*. *Mycol. Res.* 96: 490- 494.
121. Schindler, M., Mach ,R.L., Vollenhofer, S.K., Hodits, R., Gruber, F., Visser, J., De Graaff, L. & Kubicek, C.P. 1993 Characterization of the pyruvate kinase-encoding gene (pkil) of *Trichoderma reesei*. *Gene* 130: 271-275.
122. Schrickx, J.M., Krave, A.S., Verdoes, J.C., van den Hondel, C.A.M.J.J., Stouthamer, A.H. & van Verseveld, H.W. 1993 Growth and product formation in chemostat and recycling cultures by *Aspergillus niger* N402 and a glucoamylase overproducing transformant, provided with multiple copies of the glaA gene. *J. Gen. Microbiol.* 139:2811-2817
123. Schultz, S.J. & Nigg, E.A. 1993 Identification of 21 novel human protein kinases, including 3 members of a family related to the cell cycle regulator nimA of *Aspergillus nidulans*. *Cell Growth Differentiation* 4: 821-830.
124. Sealy-Lewis, H.M. 1994 A new selection method for isolating mutants defective in acetate utilisation in *Aspergillus nidulans*. *Curr. Genet.* 25: 47-48.
125. Sequeval, D. & Felenbok, B. 1994 Relationship between zinc content and DNA-binding activity of the DNA- binding motif of the transcription factor ALCR in *Aspergillus nidulans*. *Molec. Gen. Genet.* 424: 33-39.

126. Singh, N.K. & Tiwary, B.N. 1992 Modeling for competition between phenylalanine and its toxic analogue in a phen A auxotroph of *Aspergillus nidulans*. *Acta Bot. Ind.* 20: 177-181.
127. Springer, M.L. 1993 Genetic control of fungal differentiation: the three sporulation pathways of *Neurospora crassa*. *Bioessays*, 15: 365-374.
128. Taylor, J.W., Bowman, B.H., Berbie, M.L. & White, T.J. 1993 Fungal model organisms: phylogenetics of *Saccharomyces*, *Aspergillus* and *Neurospora*. *Syst Biol.* 42: 440-457.
129. Tiedt, L.R. 1993 An electron microscope study of conidiogenesis and wall formation of conidia of *Aspergillus niger*. *Mycol. Res.* 97: 1459-1462.
130. Timberlake, W.E. 1993 Translational triggering and feedback fixation in the control of fungal development. *Plant Cell* 5: 1453-1460.
131. Tobin, M.B., Baldwin, J.E., Cole, S.C.J., Miller, J.R., Skatrud, P.L. & Sutherland, J.D. 1993 The requirement for subunit interaction in the production of *Penicillium chrysogenum* acyl-coenzyme A: isopenicillin N acyltransferase in *Escherichia coli*. *Gene* 132: 199-206.
132. van den Ackerveken, G.F.J.M., Vossen, P. & De Wit, P.J.G.M. 1993 The AVR9 race-specific elicitor of *Cladosporium fulvum* is processed by endogenous and plant proteases. *Plant Physiol.* 103: 91-96.
133. van den Hondel, C.A.M.J.J., Punt, P.J. & van Gorcom, R.F.M. 1992 Production of extracellular proteins by filamentous fungus *Aspergillus*. *Ant. van Leeuwenhoek* 61: 153-160.
134. Varga, J. & Croft, J.H. 1994 Assignment of RFLP, RAPD and isozyme markers to *Aspergillus nidulans* chromosomes, using chromosome-substituted segregants of a hybrid of *A. nidulans* and *A. quadrilineatus*. *Curr. Genet.* 25: 311-317.
135. Varga, J., Kevei, F., Fekete, C., Coenen, A., Kozakiewicz, Z. & Croft, J.H. 1993 Restriction length polymorphism in the mitochondrial DNAs of the *Aspergillus niger* aggregate. *Mycol Res.* 97: 1207-1212.
136. Verdoes, J.C., Punt, P.J., Schrickx, J.M., van Verseveld, H.W., Stouthamer, A.H. & van den Hondel, C.A.M.J.J. 1993 Glucoamylase overexpression in *Aspergillus niger*: molecular genetic analysis of strains containing multiple copies of the *glaA* gene. *Transgenic Res.* 2: 84-92.
137. Viniegra-Gonzalez, G., Saucedo-Castaneda, G., Lopez- Isunza, F. & Favela-Torres, E. 1993 Symmetric branching model for the kinetics of mycelial growth. *Biotechnol. Bioeng.* 42: 1-10.
138. Walz, M. & Kuck, U. 1993 Targeted disruption into the *Acremonium chrysogenum* genome: disruption of the *pcbC* gene. *Current Genetics* 24: 421-427.

139. Wennekes, L.J.M., Goosen, T., van den Broek, P.M.J. & van den Broek, H.W.J. 1993 Purification and characterization of glucose-6-phosphate dehydrogenase from *Aspergillus niger* and *Aspergillus nidulans*. *J. Gen. Microbiol.* 139: 2793-2800
140. Wilkie, D. 1993 Early recollections of fungal genetics and the cytoplasmic inheritance controversy. In *The Early Days of Yeast Genetics*, ed. Hall, M.N. & Linder, P. Cold Spring Harbor Press, Plainview, New York. pp. 259-270.
141. Winkelmann, G. 1992 Structures and functions of fungal siderophores containing hydroxamate and complexone type iron binding ligands. *Mycol Res.* 96: 529-534.
142. Withers, J.M., Wiebe, M.G., Robson, G.D. & Trinci, A.P.J. 1994 Development of morphological heterogeneity in glucose-limited chemostat cultures of *Aspergillus oryzae*. *Mycol. Res.* 98: 95-100.
143. Witteveen, C.F.B., van den Vondervoort, P.J.I., van den Broek, H.C., van Engelenberg, F.A.C., de Graaf, L.H., Hillebrand, M.H.B.C., Schaap, P.J. & Visser, J. 1993 Induction of glucose oxidase, catalase, and lactonase in *Aspergillus niger*. *Current Genetics* 24: 408-416.
144. Wendt, S., Felshi-Zuh, H., Henz, P.-P.C., Ulrich, N. & Stahl, U. 1993 Characterization of the gene encoding alpha- sarcin, ribosome-inactivating protein secreted by *Aspergillus giganteus*. *Gene* 124: 239-244.
145. Wolff, G., Burger, G., Lang, B.F. & Kuck, U. 1993 Mitochondrial genes in the colorless alga *Prototheca wickerhamii* resemble plant genes in their exons but fungal genes in their introns. *Nucleic Acids Res.* 21: 719-726.
146. Woloshuk, C.P. & Payne, G.A. 1994 the alcohol dehydrogenase gene *adh1* is induced in *Aspergillus flavus* grown on medium conducive to aflatoxin biosynthesis. *Appl. Env. Microbiol.* 60: 670-676.
147. Zucchi, T.M.A.D. 1993 Location of the suppressor of the *methA17* mutant 29 of *Aspergillus nidulans*. *Rev. Bras. Genet.* 16: 259-274.

A.nidulans bibliography authors and keywords

[Go to subject index](#)

[Go to gene names index](#)

• **Aspergillus Bibliography Authors**

- Adams, T.H. 66,73
- Adeokun, A.M. 56
- Aguirre Linares, J. 1
- Aharonowitz, Y. 2
- Aikawa, J.-I 94
- Akashi, K. 101
- Aleksenko, A. 44
- Alfonso, C. 98
- Alvarez, E. 3
- Andreoli, C. 9
- Aplin, R.T. 4
- Aramayo, R. 5
- Archer, D.B. 84,119
- Arnold, J. 22
- Arnold, M.L. 43
- Arruda, L.K. 102
- Arst, H.N.Jr. 34,86
- Asmussen, M.A. 8
- Babudri, N. 6
- Bainbridge, B.W. 87
- Baldwin, J.E. 4 ,7,131
- Basten, C.J. 8
- Belenky, L. 44
- Belshaw, N.J. 84
- Benigni, R. 9
- Beppu, T. 94
- Berbie, M.L. 128
- Bergmeyer, J. 2
- Berski, R.M. 10
- Bosse, M. 83
- Bowman, B.H. 128
- Bowyer, P. 11,12
- Bradshaw, R.E. 114
- Brakhage, A.A. 13
- Brown, D.W. 14
- Browne, P. 13
- Buchan, A.D.B. 76
- Bulawa, C.E. 15
- Burger, G. 145
- Buxton, F.P. 41,61,85,86
- Byford, M.F. 7
- Cantoral, J.M. 2
- Cantrell, M. 108
- Carere, A. 9
- Carmona, C.L. 10
- Carneiro, M.R. 37

- Castro-Prado, M.A.A. 16
- Caten C.E. 19
- Chae, S.-K. 65
- Charles, I.G. 54
- Chow, R.L. 90
- Clutterbuck, A.J. 17,18,44,45,46,49
- Coenen, A. 135
- Cohen, G. 2
- Cole, S.C.J. 4,131
- Conti, L. 9
- Cooley, R.N. 19
- Cortinas de Nava, C. 25
- Cotta-Ramusino, M. 9
- Cove, D.J. 20
- Cowan, N.J. 90
- Crebelli, R. 9
- Croft, J.H. 23,134 ,135
- Cubero, B. 21
- Cuticchia, A.J. 22
- Dales, R.G.B. 23
- Daniels, M.J. 12
- Davies, R.W. 85,86
- Davis, M.A. 24
- de Azevedo, J. 109
- de Graaf, L.H. 39,143
- De Graaff, L. 121
- de la Torre, R.A. 25
- De Lamo, F. 98
- De Lucas, J.R. 11,26
- de Vries, O.M.H. 27
- De Wit, P.J.G.M. 132
- Demain, A.L. 2
- Denison, S.H. 28,29
- Dhawale, S.S. 30
- Diallinas, G. 48
- Diaquin, M. 102
- Diez, B. 3,38
- Dowzer, C. 70
- Drysdale, M.R. 31
- Durand, N. 32
- Egmond, M.R. 83
- Elliott, C.G. 33
- Espeso, E.A. 34,105
- Espinoza-Aguirre, J.J. 25
- Favela-Torres, E. 137
- Fekete, C. 135
- Fekkes, M.P. 27
- Felenbok, B. 70,125
- Felshi-Zuh, H. 144
- Fernandez-Canon, J.M. 105
- Fernandez-Espinar, M.T. 35,36,110
- Ferrari, N. 37
- Fevre, M. 32
- Field, R.A. 7

- Fierro, F. 38
- Fink, G.R. 47
- Fink, U. 2
- Flippi, M.J.A. 39
- Ford, C. 72
- Foster, L.M.. 40
- Frederick, G.D. 41
- Friedlin, E. 53
- Garven, S. 86
- Geisen, R. 42
- Geiser, D.M. 43
- Gems, D.H. 18,44,45,46
- Ghali, D. 74
- Gimeno, C.J. 47
- Giusti, S.C. 37
- Gomez-Pardo, E. 107
- Gooday, G.W. 76
- Goosen, T. 139
- Gorfinkiel, L. 48
- Gow, N.A.R. 76
- Griffith, G.W. 49
- Gruber, F. 121
- Gupta, R. 120
- Gutierrez, S. 3,38
- Gwynne, D.I. 85,86
- Hagemans, M.L.D. 83
- Hamer, J.E. 52
- Han, D.M. 50
- Han, Y.J. 50
- Harmsen, M.C. 51
- Harris, S.D. 52
- Haus, H. 53
- Hawkins, A.R. 54,55,56,93
- Hayenza, K.J. 10
- Henwick, S. 57
- Henz, P.-P.C. 144
- Hensing, J.G.M. 83
- Hetherington, S.V. 57
- Hillebrand, M.H.B.C. 143
- Hintz, W.E. 58
- Hodits, R. 121
- Hoh, Y.K. 59
- Holt, C.L. 60
- Horinouchi, S. 94
- Houston, C.S. 108
- Hynes, M.J. 24
- Izquierdo, T. 25
- Jarai, G. 61
- Jeenes, D.J. 84,119
- Jenkins, G.I. 49
- Jha, S.H. 62
- Joshi, H.C. 63
- Judelson, H.S. 64
- Kafer, E. 28,65

- Kantz, N.J. 66
- Keller, N.P. 66
- Kelly, J. 70
- Kelly, J.M. 24,31
- Kemp, B.E. 77
- Kevei, F. 135
- Khurana, N. 120
- Kimura, T. 68
- Kinghorn, J. 2
- Kirchherr, D. 61
- Kirk, K.E 67
- Kitamoto, N. 68
- Kito, Y. 68
- Kleinkauf, H. 2
- Koch, A. 69
- Kolze, S.E. 31
- Kozak, K.R. 40
- Kozakiewicz, Z. 135
- Krave, A.S. 122
- Kubicek, C.P. 74,121
- Kubicek-Pranz, E.M. 74
- Kuck, U. 97,138,145
- Kuhad, R.C. 120
- Kulmberg, P. 70
- Kurokawa, N. 71
- Kusnadi, A.R. 72
- Laborda, F. 26,118
- Lagorsky, P.A. 58
- Lamb, H.K. 54,55
- Lamy, B. 102
- Lane, A.C. 30
- Lang, B.F. 145
- Latge, J.P. 102
- Lee, B.N. 73
- Lemke, P.A. 106
- Lendenfeld, T. 74
- Leslie, J.F. 75
- Lever, M.C. 76
- Loftus, M.G. 40
- Lopez-Isunza, F. 137
- Lu, K.P. 77,78,79,80,117
- Luduena, R.F. 81
- Luengo, J.M. 88
- Luo, H. 82
- Maat, J. 83
- MacCabe, A. 2
- Mach, R.L. 121
- MacKenzie, D.A. 84
- MacRae, W.D. 85,86
- Markham, P. 87
- Martin, J.F. 38
- Martinez-Blanco, H. 88,105
- Marzluf, G.A 89
- Mathieu, M. 70

- May, G.S. 28,29,60
- Means, A.R. 77,78,79,80,117
- Means, R.L. 117
- Meesschaert, B. 3
- Melki, R. 90
- Michel, F. 101
- Miettinen-Oinonen, A. 108
- Miller, B.L. 91
- Miller, J.R. 131
- Miller, P.E.P. 76
- Milner-White, E.J. 49
- Mirabito, P.M. 92
- Monistrol, I.F. 26,118
- Monod, M. 102
- Montenegro, E. 3
- Moore, J.D. 54,55,56,93
- Moorhouse, J. 23
- Moron, F. 25
- Morpurgo, G. 6
- Morrell, J.L. 52
- Morris, N.R. 67,92
- Moukha, S.M. 51
- Murakami, K. 94
- Nakamura, Y. 101
- Naruse, A. 95
- Nevalainen, H. 108
- Nigg, E.A. 123
- Nikolaev, I.V. 96
- Nikolov, Z.L. 72
- Nowak, C. 97
- Nozato, N. 101
- Nuero, O.M. 98
- Oda, K. 101
- Oestreicher, N. 99,100
- Ohfune, Y. 71
- Ohmiya, K. 68
- Ohta, E. 101
- Ohyama, K. 101
- Orejas, M. 88,105,107
- Osbourn, A.E. 12
- Osmani, A.H. 80
- Osmani, S.A. 79,80
- Palissa, H. 2
- Paloheimo, M. 108
- Paris, S. 102
- Parry, J.M. 103,104
- Patrick, C.C. 57
- Payne, G.A. 146
- Pedrogosa, A.M. 118
- Pena, J.L. 35
- Penalva, M.A. 34,88,105,107
- Peng, M. 106
- Perez-Esteban, B. 105,107
- Perlin, M.H. 82

- Pfeifer, E. 2
- Piddington, C.S. 108
- Pileggi, M. 109
- Pileggi, S.A.V. 109
- Pillar, T.M. 114
- Pimpinelli, S. 6
- Pinaga, F 36,35,110
- Prosser, J.L. 111
- Punt, P.J. 51,102,112,113,133,136
- Raitt, D.C. 114
- Rambosek, J. 108
- Ramon, D 36,110,115
- Ramsden, M. 44
- Randez-Gil, F. 116
- Rasmussen, C.D. 117
- Raymond, P. 32
- Redl, B. 53
- Reglero, A. 88
- Reyes, F. 98
- Rios, S. 118
- Roberts, C.F. 54,55
- Roberts, I.N. 119
- Robertson, B.E.M. 76
- Robertson, S. 18,44
- Robson, G.D. 87,142
- Rombouts, P. 41
- Rosa, M. 83
- Ross, K.K. 40
- Salvinvi, D. 6
- Salvo, J.J. 14
- Sanchis, V. 119
- Santos da Silva, M.J. 83
- Sanz, P. 36,116
- Saucedo-Castaneda, G. 137
- Saxena, R.K. 120
- Scazzocchio, C. 21,48,99,100
- Schaap, P.J. 143
- Schindler, M. 121
- Schofield, C.J. 7
- Schrickx, J.M. 122,136
- Schultz, S.J. 123
- Schuren, F.H.J. 51
- Schutz, G. 69
- Schwecke, T. 2
- Sealy-Lewis, H.M. 100,124
- Sekiguchi, J. 95
- Sequeval, D. 125
- Shiau, C.-Y. 7
- Sibley, S. 86
- Singh, N.K. 106,126
- Sinha, U. 62
- Skatrud, P.L. 131
- Sobey, W.J. 7
- Springer, M.L. 127

- Stahl, U. 144
- Stam, H. 83
- Stevens, J.J. 40
- Stoffler, G. 53
- Stouthamer, A.H. 122,136
- Sutherland, J.D. 4,131
- Tafani, P. 9
- Takemura, M. 101
- Tan, T.K. 59
- Taylor, J.W. 128
- Thompson, P.A. 10
- Tiedt, L.R. 129
- Tilburn, J. 34
- Timberlake, W.E 5,22,43,130
- Tiwary, B.N. 126
- Tobin, M.B. 4,131
- Trinci, A.P.J. 87,142
- Tsukagoshi, N. 68
- Turner, G. 11,13
- Ulrich, N. 144
- Vainberg, I.E. 90
- Valles, S. 35,36,110
- van den Ackerveken, G.F.J.M. 132
- van den Broek, H.C. 143
- van den Broek, H.W.J. 139
- van den Broek, P.M.J. 139
- van den Hondel, C.A.M.J.J. 83,112,113,122,133,136
- van den Vondervoort, P.J.I. 143
- van der Veen, P. 39,115
- van Engelenberg, F.A.C. 143
- van Gorcom, R.F.M. 83,133
- van Heuvel, M. 39
- van Liempt, H. 2
- van Rotterdam, C. 83
- van Verseveld, H.W. 122,136
- van Zuilen, C.M. 51
- Varga, J. 134,135
- Vavilova, E.A. 96
- Verbakel, H. 83
- Verdoes, J.C. 122,136
- Vinas, I. 119
- Vinetski, Y.P. 44,96
- Viniestra-Gonzalez, G. 137
- Visser, J. 39,115,121,143
- Vollenhofer, S.K. 121
- von Dohren, H. 2
- Vossen, P. 132
- Walz, M. 138
- Ward, M. 10
- Watson, A.J. 119
- Weigel, C.T.D. 69
- Wennekes, L.J.M. 139
- Wessels, J.G.H. 27,51
- White, T.J. 128

- Wiebe, M.G. 142
- Wilkie, D. 140
- Winkelmann, G. 141
- Withers, J.M. 142
- Witteveen, C.F.B. 143
- Wnendt, S. 144
- Wolfe, S. 2
- Wolff, G. 145
- Woloshuk, C.P. 146
- Wolschek, M. 74
- Wosten, H.A.B. 27
- Yamamoto, H. 95
- Yamato, K. 101
- Yeoh, H.-H. 59
- Zhang, J. 2
- Zucchi, T.M.A.D. 16,147

[Go to co-author index](#)

[Go to gene names index](#)

• **Keywords**

- alpha-amylase 116
- alpha-galactosidase 118
- alpha-sarcin 144
- alpha-tubulin 67
- Acetate induction 11,25
- Acetate utilization 11,24,88,124
- Acetyl-CoA synthetase 88
- ACV synthesis 2,7,13,74
- Aflatoxin 146
- Alcohol dehydrogenase 146
- Amino adipate 74
- Amylase 116
- Aneuploid induction 9,25,62,103,104
- Anthoquinones 14
- Antigens 102
- Antisuppressor 147
- Arabinan degradation 35,39,115
- Arabinase 115
- Arabinofuranosidase 35,39,115
- Arabitol induction 115
- Aromatic biosynthesis 54,55,56,93
- Aromatic path regulation 54,55,56,93
- Ascoquinone A 14
- Ascospore pigments 14
- Aspergillopepsin 10
- Autocatalytic enzyme cleavage 131
- Autolysis 98
- beta-arylesterase 134
- beta-galactosidases 96
- beta-glucanases 98
- beta-glucosidases 59

- beta-lactam biosynthesis 2,3,7,13,34,38,74,105,107,131,138
- beta-tubulin gene 97
- Baking 83
- Benomyl resistance 19
- Benzimidazoles 19,25,26
- Calcium 76,78,80,117
- Calmodulin 78,80,117
- Carbendazole 26
- Carbon regulation 11,21,24,31,58,70,105,110,143
- Catalase 143
- Cell cycle 28,29,52,76,77,79,80,92,117,123
- Cellulase 69
- Chaperonins 90
- Chemostat cultures 122,142
- Chitin synthesis 15
- Choline 87
- Chromosome duplication 16
- Chromosome mis-segregation 9,25,103,104
- Chromosome physical mapping 22
- Cloning methods 12,44,45,60
- Compartmentation 74
- Complement binding 57
- Complexone 141
- Conidial surfaces 57
- Conidial walls 129
- Conidiation 1,5,17,33,46,49,50,73,91,120,122,127,129,130,142
- Cosmid mapping 22
- Cotransformation 45,64,97
- Cyclic peptide 71
- Cytochrome c gene 114
- Cytochrome oxidase gene 101
- Cytokinesis 52
- Cytoplasmic inheritance 140
- Developmental regulation 1,5,44,49, 73,91,122,120 ,127,130
- DNA ligation 64
- DNA-binding proteins 30,117
- Duplication strains 16
- Echinocandin 71
- Electron microscopy 129
- Electrophoretic karyotype 38
- Endoxylanase 36
- Enhancer mutants 46
- Environmental mutagens 104
- Enzyme subunit interaction 131
- Ethanol production 119
- European Community Aneuploidy Project 104
- Extracellular protein 26,84,89,96,133
- Flat mutants 142
- Fluffy mutants 73,142
- Fluorophenylalanine 126
- gamma-tubulin 63,82,90
- Galactosidase 96,118
- Galvanotropism 76
- Gene disruption 13,102,138

- Gene silencing 16
- Glucanases 98
- Glucoamylase 72,122,136
- Glucose oxidase 143
- Glucose-6-PO4 deH 139
- Glutamine synthetase 73
- Glyceraldehyde-3-PO4 deH 51
- Griseofulvin 26,62
- Halogenated methanes 9
- Haploidization 62
- Heterokaryon incompatibility 23,43,75
- Heterologous expression in *E. coli* 4,42,69,72,79,90,93,131
- Heterologous gene expression 58,69,84,85,89,94,116,132,133
- Hydrophobins 27
- Hydroxamate 141
- Hydroxylaminopurine 6
- Hyphal growth form 87,111,137
- Hyphal walls 27
- Immunogenicity 57
- Instant gene bank 12,44
- Intron conservation 88,99,101,145
- Iron complexes 141
- Isocitrate lyase 11
- Isopenicillin N synthase 34,107,138
- Isopenicillin-N acyltransferase 3,4,131
- Lactonase 143
- Lactose assimilation 96
- Leucine zipper 28
- Malate dehydrogenase isozymes 134
- Mapping chromosomes 22
- Mebendazole 25
- Melanins 50
- Methyl benzimidazol-2-yl carbamate 26
- Microcycle conidiation 120
- Microtubules 26,63,67
- Mitochondrial DNA polymorphism 135
- Mitochondrial genes 95,140,145
- Mitochondrial introns 101,145
- Mitosis 92
- Mitotic catastrophe 29
- Mitotic instability 8
- Model organisms 1,128
- Multicopy transformants 122,136
- Multienzyme complexes 2,3,54,55,56,93,131
- Mutagen sensitivity 28,29,65
- Mutagen testing 6,9,25,37
- Mutational analysis 20
- Mycelial growth 87,111,137
- Mycotoxins 14,66,146
- Nitrate reduction 20
- Nitrogen regulation 14,24,48,89,99
- Nondisjunction 25
- Nuclear migration 17
- omega-amino acids 25

- Parasexual recombination 32
- Pathogenicity 57,102,132
- PCR applications 40
- Penicillin biosynthesis 2,3,7,13,34,38,74,105,107,131,138
- Peptide synthesis 7
- pH dependent galvanotropism 76
- pH regulation 34,105
- Phenylalanine 126
- Phosphatases 85,86,108
- Phosphatase isozymes 134
- Phosphate regulation 85
- Phylogenetics 43,128,135,145
- Phytase 108
- Phytoalexin elicitor 132
- Phytochrome 49
- Pigments 14,50
- Plant pathology 132
- Plasmid replication 12,18,44,45,106
- Polygalacturonase 68
- Polyketide reductase 66
- Polymerase chain reaction 40
- Polymorphisms 32,43,134,135
- Population groups 43
- Position effect 16
- Promoter analysis 70,107,113
- Propionate resistance 124
- Proteases 10,41,42,61,94
- Protein domains 55,56,93
- Protein excretion 26,84,85,89,133
- Protein folding 90
- Protein glycosylation 94
- Protein kinase substrates 77
- Protein kinase 79,123
- Pseudohyphal growth 47
- Pyruvate decarboxylase 119
- Pyruvate kinase 121
- Quinate pathway 54,55,56
- RAPD markers 32,134
- Recombination in the wild 32,43
- Recombination mutants 65
- Regulation: see acetate, aromatic, carbon, development, nitrogen, omega-amino acids, phosphate, sulphur
- Replicating plasmids 12,18,44,45,106
- Restrictocin 102,144
- RFLP markers 134,135
- Ribosome inactivating proteins 102,144
- Ribosomal RNA genes 95
- Ribosomal spacer polymorphism 134
- Septation 52
- Sexual reproduction 14,33,43,50,67,127
- Shikimate pathway 54,55,56,93
- Siderophores 141
- Soy sauce manufacture 68
- Species hybrid 134
- Spindle pole body 92

- Starch medium 120
- Starch-binding domain 72
- Sterigmatocystin 66
- Subtilisin-like protease 61
- Sulphur regulation 85
- Taxonomy 43,128,135,145
- TPR motif 92
- Transcription factors 30,55
- Transcription signals 113
- Transformant, multicopy 122,136
- Transformation 97,106,112,136
- Tubulin polymerization 103
- Tubulins 19,63,67,81,82,90
- Urate oxidase 99,100
- Uric acid permease 48
- Vacuoles 74
- Wall structure 129
- Xanthine permease 48
- Xylanases 36,53,83,110
- Zinc fingers 21,117,125

• Organisms

- **Fungi other than *A. nidulans***
 - *A. flavus* 57,146
 - *A. fumigatus* 57,76,102
 - *A. giganteus*. 144
 - *A. glaucus* 57
 - *A. niger* 31,39,41,57,61,83,85, 108,112,122,133,135,136,139,143
 - *A. niger* var. *awamori* 72,83,108
 - *A. niveus* 120
 - *A. ochraceus* 57
 - *A. oryzae* 10,68,94,112,116
 - *A. parasiticus* 119
 - *A. quadrilinatus* 134
 - *A. rugulosus* 71
 - *A. tamarii* 120
 - *A. terreus* 57,120
 - *A. versicolor* 57
- *Acremonium chrysogenum* 7,97,138
- *Agaricus bisporus* 51
- *Cephalosporium acremonium* 2,7,97,138
- *Cladosporium fulvum* 132
- *Coprinus cinereus* 76
- *Gaeumannomyces graminis* 12
- *Mucor pusillus* 94
- *Neurospora crassa* 56r,76,127,128
- *Penicillium canescens* 96
- *P. chrysogenum* 3,4.38,53,74,88,95,131
- *P. janthinellum*. 69
- *P. nalgiovense* 42
- *P. notatum* 38
- *P. roqueforti* 32

- *Phanerochaete chrysosporium* 51
- *Phytophthora infestans* 64
- *Pleurotus ostreatus* 106
- *Saccharomyces cerevisiae* 47c,116h,128
- *Schizophyllum commune* 27,51
- *Septoria nodorum* 19
- *Trichoderma reesei* 121
- *Ustilago violacea* 82

- **Other Organisms**

- *Achyrocline satureioides* 37
- *Escherichia coli* 4,22,93
- *Homo sapiens* 123c
- *Prototheca wickerhamii* 145

[Go to co-author index](#)

[Go to subject index](#)

- **Genes [(c)-sequence comparison, (h)-heterologous expression, (s)-clone or sequence, (r)-regulation]**

- **A. nidulans**

- *abaA* 5
- *acoD* 73(r)
- *acrA* 16
- *acuD* 11r
- *acuO* 124
- *acvA* 13
- *alcA* 58,70
- *alcR* 70,117,125
- *amdS*(r) 24
- *apsA,B* 17
- *aromA* 54,55,56,93
- *asu* 147
- *bimA* 92
- *bimD* 28(s),29
- *brlA* 44,46,49,91
- *CaM* 80
- *creA* 21,70
- *cycA* 114
- *fluG*(s) 73
- *gpdA* 51,(c),132(c)
- *hetA,B* 23
- *medA* 46,91
- *meth* reversion 25,37,147
- *nicB* 109
- *nimA* 77,79
- *nimT* 80(r)
- *npgA* 50
- *pacG* 86
- *phenA* 126
- *pcbC* 34(r),107(r)
- *prn* 21(r)

- qut 54,55,56
- sepA ,E,G,J,H,I 52
- su-nicB 109
- supmeth 147
- sthA,B 46
- stuA 47(c),91
- tub A ,B 67
- uapA 48(sr)
- uaZ 99(s),100
- uvs 29
- verA 66
- yA 5(r)

◦ **Other Aspergilli**

- alpha-amylase gene 116(h)
- abfB 39(s)
- adh 146(r)
- aphA 84,108
- creA 31(s)
- glaA 122(s)
- goxBCE 143(r)
- pdcA 119(s)
- pepC 41(s)
- pepD 61(s)
- pepO 10
- phy 108(s)
- Polygalacturonase gene 68(s)

◦ **Other fungi**

- acuA 88(s)
- benA 97
- cbh1 69(s)
- gpdA 51(c)
- pcbAB 38
- pcbC 138
- penDE 3(s),4,131
- PHD1 47(c)
- pki1 121(s)
- pyrG 38
- qa-2 56(r)
- tubA 19(s)

◦ **Other Organisms**

- HmB 112
- nimA 123(c)
- Phle 112

[(c)-sequence comparison, (h)-heterologous expression, (s)-clone or sequence, (r)-regulation]