

Aspergillus Bibliography 2000

John Clutterbuck
University of Glasgow

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



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

Recommended Citation

Clutterbuck, J. (2000) "Aspergillus Bibliography 2000," *Fungal Genetics Reports*: Vol. 47, Article 30.
<https://doi.org/10.4148/1941-4765.1226>

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 2000

Abstract

This bibliography attempts to cover genetical and biochemical publications on *Aspergillus nidulans* and also includes selected references to related species and topics.

Aspergillus Bibliography 2000

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. Authors are kindly requested to send a copy of each article to the FGSC for its reprint collection.

John Clutterbuck

- [Authors](#)
- [Keywords](#)
- [Organisms](#)

1. **Accensi, F., Cano, J., Figuera, L., Abarca, M.L. & Cabañes, F.T.** 1999 New PCR method to differentiate species in the *Aspergillus niger* aggregate. FEMS Microbiol. Lett. **180**:191-196
2. **Adams, T.H. & Wieser, J.K.** 1999 Asexual sporulation: conidiation. Ch 6 in Molecular Fungal Biology, ed. R.P. Oliver & M. Schweizer, Cambridge University Press, Cambridge, pp 185-208
3. **Adams, T.H. & Yu, J.-H.** 1998 Coordinate control of secondary metabolite production and asexual sporulation in *Aspergillus nidulans*. Curr. Opin. Microbiol. **1**:674-677
4. **Aist, J.R. & Morris, N.R.** 1999 Mitosis in filamentous fungi: how we got where we are. Fungal Genet. Biol. **27**:1-25
5. **Al-Samarrai, J.H. & Schmid, J.** 2000 A simple method for extraction of fungal DNA. Lett. Appl. Microbiol. **30**:53-56
6. **Aleksenko, A., Liu, W., Gojkovic, Z, Nielsen, J., & Piskur, J.** 1999 Structural and transcriptional analysis of the *pyrABCN*, *pyrD* and *pyrF* [*pyrE*] genes in *Aspergillus nidulans* and the evolutionary origin of fungal dihydroorotases. Mol. Microbiol. **33**:599-611, Erratum **36**:995.
7. **Andrade-Monteiro, C. de & Martinez-Rossi, N.M.** 1999 The nucleation of microtubules in *Aspergillus nidulans* germlings. Genet. Mol. Biol. (Brazil) **22**:309-313
8. **Archer, D.B.** 1999 Biotechnology of filamentous fungi: applications of molecular biology. Ch 12 in Molecular Fungal Biology, ed. R.P. Oliver & M. Schweizer, Cambridge University Press, Cambridge, pp 341-364
9. **Beuchat, L.R., Chmielewski, R., Keswani, J., Law, S.E. & Frank, J.F.** 1999 Inactivation of aflatoxigenic Aspergilli by treatment with ozone. Lett. Appl. Microbiol. **29**:202-205
10. **Bingle, E.H., Simpson, T.J. & Lazarus, C.M.** 1999 Ketosynthase domain probes identify two subclasses of fungal polyketide synthase genes. Fungal Genet. Biol. **26**:209-223
11. **Blinkovsky, A.M., Byun, T., Brown, K.M. & Golightly, E.J.** 1999 Purification, characterization and heterologous expression in *Fusarium venenatum* of a novel serine carboxypeptidase from *Aspergillus oryzae*. J. Appl. Env. Bacteriol. **65**:3298-3303
12. **Borsuk, P., Dzikowska, A., Empel, J., Grzelak, A., Grzeskowiak, R. & Weglenski, P.** 1999 Structure of the arginase coding gene and its transcript in *Aspergillus nidulans*. Acta Biochim. Pol. **46**:391-403
13. **Brakhage, A.A., Andrianopoulos, A., Kato, M., Steidl, S., Davis, M.A., Tsukagoshi, N. & Hynes, M.J.** 1999 HAP-Like CCAAT-binding complexes in filamentous fungi: implications for biotechnology. Fungal Genet. Biol. **27**:243-252

- 14. Brock, M., Fischer, R., Linder, D. & Buckel, W.** 2000 Methylcitrate synthase from *Aspergillus nidulans*: implications for propionate as an antifungal agent. *Mol. Microbiol.* **35**:961-973
- 15. Bushell, M.E. & Bull, A.T.** 1999 Sporulation at minimum specific growth rate in *Aspergillus nidulans* chemostat culture predicted using protein synthesis efficiency estimations. *J. Basic Microbiol.* **39**:293-298
- 16. Butchko, R.A.E., Adams, T.H. & Keller, N.P.** 1999 *Aspergillus nidulans* mutants defective in *stc* gene cluster regulation. *Genetics* **153**:715-720
- 17. Calvo, A.M., Hinze, L.L., Gardner, H.W. & Keller, N.P.** 1999 Sporogenic effect of polyunsaturated fatty acids on development of *Aspergillus* spp. *Appl. Env. Microbiol.* **65**:3668-3673
- 18. Carbone, I. & Kohn, L.M.** 1999 A method for designing primer sets for speciation studies in filamentous ascomycetes. *Mycologia* **91**:553-556
- 19. Cerdan, R., Cahuzac, B., Félenbok, B. & Guittet, E.** 2000 NMR solution structure of AlcR (1-60) provides insight in the unusual DNA binding properties of this zinc binuclear cluster protein. *J. Mol. Biol.* **295**:729-736
- 20. Chang, P.-K., Yu, J., Bhatnagar, D. & Cleveland, T.E.** 1999 The carboxy-terminal portion of the aflatoxin pathway regulatory protein AFLR of *Aspergillus parasiticus* activates *GAL1::lacZ* gene expression in *Saccharomyces cerevisiae*. *Appl. Env. Microbiol.* **65**:2508-2512
- 21. Chikamatsu, G., Shirai, K., Kato, M., Kobayashi, T. & Tsukagoshi, N.** 1999 Structure and expression properties of the endo- β -1,4-glucanase A gene from the filamentous fungus *Aspergillus nidulans*. *FEMS Microbiol. Lett.* **175**:239-245
- 22. Choi, S., Begum, D., Koshinsky, H., Ow, D.W. & Wing, R.A.** 2000 A new approach for identification and cloning of genes: the pBACwch system using Cre/lox site-specific recombination. *Nucleic Acids Res.* **28**:e19i-vii
- 23. Clement, D., Clipson, N. & Hooley, P.** 1999 The genetical control of osmotolerance in fungi: a mutation analysis in the ascomycete *Aspergillus nidulans*. *Mycologist* **13**:79-82
- 24. Clement, D.J., Stanley, M.S., O'Neil, J., Woodcock, N.A., Fincham, D.A., Clipson, N.J.W. & Hooley, P.** 1999 Complementation cloning of salt tolerance determinants from the marine hyphomycete *Dendryphiella salina* in *Aspergillus nidulans*. *Mycol. Res.* **103**:1252-1258
- 25. Cohen, B.L.** 2000 Guido Pontecorvo ("Ponte"), 1907-1999. *Genetics* **154**:497-501
- 26. Colangelo, J., Licon, V., Benen, J., Visser, J., Bergmann, C. & Orlando, R.** 1999 Characterization of the N-linked glycosylation site of recombinant pectate lyase. *Rapid Commun. Mass Spectrom.* **13**:2382-2387
- 27. Cubero B., Gómez D. & Scazzocchio, C.** 2000 Metabolite repression and inducer exclusion in the proline utilization gene cluster of *Aspergillus nidulans*. *J. Bacteriol.* **182**:233-235
- 28. Culp, D.W., Dodge, C.L., Miao, Y., Li, L., Sag-Ozkal, D. & Borgia, P.T.** 2000 The *chsA* gene from *Aspergillus nidulans* is necessary for maximal conidiation. *FEMS Microbiol. Lett.* **182**:349-353
- 29. Dannaoui, E., Persat, F., Monier, M.-F., Borel, E., Piens, M.-A. & Picot, S.** 1999 In-vitro susceptibility of *Aspergillus* spp. isolates to amphotericin B and itraconazole. *J. Clin. Antimicrob. Chemother.* **44**:553-555
- 30. de la Serna, I., Ng, D. & Tyler, B.M.** 1999 Carbon regulation of ribosomal genes in *Neurospora crassa* occurs by a mechanism which does not require Cre-1, the homologue of the *Aspergillus* carbon catabolite repressor, CreA. *Fungal Genet. Biol.* **26**:253-269
- 31. De Lucas, J.R., Domínguez, A.I., Valenciano, S., Turner, G. & Laborda, F.** 1999 The *acuH* gene of *Aspergillus nidulans*, required for growth on acetate and long-chain fatty acids, encodes a putative homologue of the mammalian

carnitine/acylcarnitine carrier. Arch. Microbiol. **171**:386-396

32. de Souza, C.L., Goldman, M.H. de S. & Goldman, G.H. 2000 Tagging of genes involved in multidrug resistance in *Aspergillus nidulans*. Mol. Gen. Genet. **263**:702-711

33. De Souza, C.P.C., Ye, X.S. & Osmani, S.A. 1999 Checkpoint defects leading to premature mitosis also cause endoreplication of DNA in *Aspergillus nidulans*. Mol. Biol. Cell **10**:3661-3674

34. de Vries, R.P., Visser, J. & de Graaff, L.H. 1999 CreA modulates the XlnR-induced expression on xylose of *Aspergillus niger* genes involved in xylan degradation. Res. Microbiol. **150**:281-285

35. Deane, E.E., Whipps, J.M., Lynch, J.M. & Peberdy, J.F. 1999 Transformation of *Trichoderma reesei* with a constitutively expressed heterologous fungal chitinase gene. Enz. Microb. Technol. **24**:419-424

36. Demain, A.L. & Elander, R.P. 1999 The b-lactam antibiotics: past present and future. Ant. van Leeuwenhoek **75**:5-19

37. Dessen, P. & Képès, F. 2000 The PAUSE software for analysis of translational control over protein targeting: application to *E. nidulans* membrane proteins. Gene **244**:89-96

38. Devi, K.T., Mayo, M.A., Reddy, K.L.N., Delfosse, P., Reddy, G., Reddy, S.V. & Reddy, D.V.R. 1999 Production and characterization of monoclonal antibodies of aflatoxin B1. Lett. Appl. Microbiol. **29**:284-288

39. Díez, B., Mellado, E., Rodriguez, M., Bernasconi, E. & Barredo, J.L. 1999 The NADP-dependent glutamate dehydrogenase gene from *Penicillium chrysogenum* and the construction of expression vectors for filamentous fungi. Appl. Microbiol. Biotechnol. **52**:196-207

40. Eckert, S.E., Hoffmann, B., Wanke, C. & Braus, G.H. 1999 Sexual development of *Aspergillus nidulans* in tryptophan auxotrophic strains. Arch. Microbiol. **172**:157-166

41. Ehrlich, K.C., Montalbano, B.G. & Cary, J.W. 1999 Binding of the C6-zinc cluster protein, AFLR, to the promoters of aflatoxin pathway biosynthesis genes in *Aspergillus parasiticus*. Gene **230**:249-257

42. Endo, Y., Morishita, R., Imashevich, K.M. & Yoshinari, S. 1998 Mechanisms of action of ribotoxins. J. Toxicol. Toxin Rev. **17**:427-439

43. Esnault, K., El Moudni, B., Bouchara, J.-P., Chabasse, D. & Tronchin, G. 1999 Association of a myosin immunoanalogue with cell envelopes of *Aspergillus fumigatus* conidia and its participation in swelling and germination. Infect. Immun. **67**:1238-1244

44. Espeso, E.A., Roncal, T., Díez, E., Rainbow, L., Bignell, E., Álvaro, J., Suárez, T., Denison, S.H., Tilburn, J., Arst, H.N.Jr. & Peñalva, M.A. 2000 On how a transcription factor can avoid its proteolytic activation in the absence of signal transduction. EMBO J. **19**:719-728

45. Ferreira, A.V.B. 1998 Intra and extracellular nuclease production by *Aspergillus niger* and *Aspergillus nidulans*. Rev. Microbiol. **29**:282-285

46. Fischer, G., Schwalbe, R., Möller, M., Ostrowski, R. & Dott, W. 1999 Species-specific production of microbial volatile organic compounds (MVOC) by airborne fungi from a compost facility. Chemosphere **39**:795-810

47. Fry, A.M., Arnaud, L. & Nigg, E.A. 1999 Activity of the human centrosomal kinase, Nek2, depends on an unusual leucine zipper dimerization motif. J. Biol. Chem. **274**:16304-163010

48. Futai, E., Sorimachi, H., Jeong, S.-Y., Kitamoto, K., Ishiura, S. & Suzuki, K. 1999 *Aspergillus oryzae* *palB^{ory}* encodes a calpain-like protease: homology to *Emericella nidulans* PalB and conservation of functional regions. J.

Biosci. Bioeng. **88**:438-440

- 49. Ganga, M.A., Piñaga, F., Vallés, S., Ramón, D. & Querol, A.** 1999 Aroma improving in microvinification processes by the use of a recombinant wine yeast strain expressing the *Aspergillus nidulans xlnA* gene. *Int. J. Food Microbiol.* **47**:171-178
- 50. Genete, S., Poussereau, N. & Fèvre, M.** 1999 Isolation and expression of a nitrogen regulatory gene *nmc* of *Penicillium roquefortii*. *FEMS Microbiol. Lett.* **175**:291-297
- 51. Gielkens, M.M., Dekkers, E., Visser, J. & de Graaff, L.H.** 1999 Two cellobiohydrolase-encoding genes from *Aspergillus niger* require D-xylose and the xylanolytic transcriptional activator XlnR for their expression. *Appl. Env. Microbiol.* **65**:4340-4345
- 52. Girardin, H., Paris, S., Rault, J., Bellon-Fontaine, M.-N. & Latgé, J.-P.** 1999 The role of the rodlet structure on the physicochemical properties of *Aspergillus* conidia. *Lett. Appl. Microbiol.* **29**:364-369
- 53. Gordon, C.L., Khalaj, V., Ram, A.F.J., Archer, D.B., Brookman, J.L., Trinci, A.P.J., Jeenes, D.J., Doonan, J.H., Wells, B., Punt, P.J., van den Hondel, C.A.M.J.J. & Robson, G.D.** 2000 Glucoamylase::green fluorescent protein fusions to monitor protein secretion in *Aspergillus niger*. *Microbiol. (Reading)* **146**:415-426
- 54. Griffith, G.W., Stark, M.S. & Clutterbuck, A.J.** 1999 Wild-type and mutant alleles of the *Aspergillus nidulans* developmental regulator gene *brlA*: correlation of variant sites with protein function. *Mol. Gen. Genet.* **262**:892-897
- 55. Gutiérrez, S., Fierro, F., Casqueiro, J. & Martín, J.F.** 1999 Gene organization and plasticity of the b-lactam genes in different filamentous fungi. *Ant. van Leeuwenhoek* **75**:81-94
- 56. Hall, N. & Tomsett, A.B.** 2000 Structure-function analysis of NADPH:nitrate reductase from *Aspergillus nidulans*: analysis of altered pyridine nucleotide specificity *in vivo*. *Microbiology (Reading)* **146**:1399-1406
- 57. Han, K.-H., Cheong, S.-S., Hoe, H.-S. & Han, D.M.** 1998 Characterization of several NSD mutants of *Aspergillus nidulans* that never undergo sexual development. *Kor. J. Genet.* **20**:257-264
- 58. Harris, S.D.** 1999 Morphogenesis is coordinated with nuclear division in germinating *Aspergillus nidulans* conidiospores. *Microbiol. (Reading)* **145**:2747-2756
- 59. Hasper, A.A., Visser, J. & de Graaff, L.** 2000 The *Aspergillus niger* transcription activator XlnR, which is involved in the degradation of the polysaccharides xylan and cellulose, also regulates D-xylose reductase gene expression. *Mol. Microbiol.* **35**:223-233
- 60. Hawkins, A.R., Wheeler, K.A., Levett, L.J., Newton, G.H. & Lamb, H.K.** 1999 Interactions between pathway-specific and global genetic regulation and the control of pathway flux. Ch 4 in *Molecular Fungal Biology*, ed. R.P. Oliver & M. Schweizer, Cambridge University Press, Cambridge, pp 135-163
- 61. Heidler, S.A. & Radding, J.A.** 2000 Inositol phosphoryl transferases from human pathogenic fungi. *Biochim. Biophys. Acta* **1500**:147-152
- 62. Hemming, F.W., Wallis, G.L.F. & Peberdy, J.F.** 2000 An unambiguous microassay of galactofuranose residues in glycoconjugates using mild methanolysis and high pH anion-exchange chromatography. *Anal. Biochem.* **279**:136-141
- 63. Ho, Y. & Waring, R.B.** 1999 The maturase encoded by a group I intron from *Aspergillus nidulans* stabilizes RNA tertiary structure and promotes rapid splicing. *J. Mol. Biol.* **292**:987-1001
- 64. Hoffmann, B., LaPaglia, S.K., Kübler, E.; Andermann, M., Eckert, S.E. & Braus, G.H.** 2000 Developmental and metabolic regulation of the phosphoglucomutase-encoding gene, *pgmB*, of *Aspergillus*

nidulans. Mol. Gen. Genet. **262**:1001-1011

- 65. Hofmann, A. & Harris, S.D.** 2000 The *Aspergillus nidulans* *uvsB* gene encodes an *ATM*-related kinase required for multiple facets of DNA damage response. Genetics **154**:1577-1586
- 66. Horiuchi, H., Fujiwara, M., Yamashita, S., Ohta, A. & Takagi, M.** 1999 Proliferation of intrahyphal hyphae caused by disruption of *csmA*, which encodes a class V chitin synthase with a myosin motor-like domain in *Aspergillus nidulans*. J. Bacteriol. **181**:3721-3729
- 67. Horiuchi, H. & Takagi, M.** 1999 Chitin synthase genes of *Aspergillus* species. In Contributions to Microbiology; Volume 2: *Aspergillus fumigatus*: biology, clinical aspects and molecular approaches to pathogenicity, ed. Brakhage, A.A., Jahn, B. & Schmidt, A.; Karger, Basel. pp 193-204
- 68. Horizumi, K., Nakajima, H., Machida, M., Yamaguchi, M., Takeo, K. & Kitamoto, K.** 1999 Cloning and characterization of a gene (*arpA*) from *Aspergillus oryzae* encoding an actin-related protein required for normal nuclear distribution and morphology of conidiophores. Mol. Gen. Genet. **262**:759-767
- 69. Iwashita, K., Nagahara, T., Kimura, H., Takano, M., Shimoi, H. & Ito, K.** 1999 The *bglA* gene of *Aspergillus kawachii* encodes both extracellular and cell wall-bound β -glucosidases. Appl. Env. Microbiol. **65**:5546-5553
- 70. Jalving, R., van de Vondervoort, P.J.I., Visser, J. & Schaap, P.J.** 2000 Characterization of the kexin-like maturase of *Aspergillus niger*. Appl. Env. Microbiol. **66**:363-368
- 71. James, S.W., Bullock, K.A., Gyax, S.E., Kraynack, B.A., Matura, R.A., MacLeod, J.A., McNeal, K.K., Prasauckas, K.A., Scacheri, P.C., Shenefiel, H.L., Tobin, H.M. & Wade, S.D.** 1999 *nimO*, an *Aspergillus* gene related to budding yeast *Dbf4*, is required for DNA synthesis and mitotic checkpoint control. J. Cell Sci. **112**:1313-1324
- 72. Jang, S.-H. & Jahng, K.-Y.** 1999 Isolation of an autonomously replicating DNA sequence from *Aspergillus nidulans*. J. Microbiol. (Korea) **37**:51-58
- 73. Jha, S.N.** 1998 Disomics in *Aspergillus nidulans*. Proc. Nat. Acad. Sci. India B **68**:311-317
- 74. Joseph, J.D., Heitman, J. & Means, A.R.** 1999 Molecular cloning and characterization of *Aspergillus nidulans* cyclophilin B. Fungal. Genet. Biol. **27**:55-66
- 75. Kallow, W., Kennedy, J., Arezi, B., Turner, G. & von Döhren, H.** 2000 Thioesterase domain of d-(L-a-Aminoadipyl)-L-cysteinyl-D-valine synthetase: alteration of stereospecificity by site-directed mutagenesis. J. Mol. Biol. **297**:395-408
- 76. Karniol, B., Malec, P. & Chamovitz, D.A.** 1999 Arabidopsis *FUSCA5* encodes a novel phosphoprotein that is a component of the COP9 complex. Plant Cell. **11**:839-848
- 77. Keller, N.P., Watanabe, C.M.H., Kelkar, H.S., Adams, T.H. & Townsend, C.A.** 2000 Requirement of monooxygenase-mediated steps for sterigmatocystin biosynthesis by *Aspergillus nidulans*. Appl. Env. Microbiol. **66**:359-362
- 78. Kennedy, J., Auclair, K., Kendrew, S.G., Park, C., Vederas, J.C. & Hutchinson, C.R.** 1999 Modulation of polyketide synthase activity by accessory proteins during lovastatin biosynthesis. Science **284**:1368-1372
- 79. Kevei, F., Hamari, Z. & Kucsera, J.** 1999 Extrachromosomal genetic elements in fungi. Acta Microbiol. Immunol. Hung. **46**:279-287
- 80. Kim, K.-H., Akashi, T., Mizuguchi, I. & Kikuchi, A.** 1999 Cloning and characterization of the gene encoding

Aspergillus nidulans DNA topoisomerase II. Gene **236**:293-301

- 81. Kosuge, J., Takatori, K. & Anzai T.** 1999 [In Japanese - Biological characteristics of *Emericella nidulans* isolated from horse guttural pouch mycosis]. Nippon Ishinkin Gakkai Zasshi **40**:169-173
- 82. Krappmann, S., Helmstaedt, K., Gerstberger, T., Eckert, S., Hoffmann, B., Hoppert, M., Schnappauf, G. & Braus, G.H.** 1999 The *aroC* gene of *Aspergillus nidulans* codes for a monofunctional, allosterically regulated chorismate mutase. J. Biol. Chem. **274**:22275-22282
- 83. Kreisberg-Zakarín, R., Borovok, I., Yanko, M., Aharonowitz, Y. & Cohen, G.** 1999 Recent advances in the structure and function of isopenicillin N synthase. Ant. van Leeuwenhoek **75**:33-39
- 84. Kurtov, D., Kinghorn, J.R. & Unkles, S.E.** 1999 The *Aspergillus nidulans panB* gene encodes ketopantoate hydroxymethyltransferase, required for biosynthesis of pantothenate and coenzyme A. Mol. Gen. Genet. **262**:115-120
- 85. Kusamoto, K.-I., Nogata, Y. & Ohta, H.** 2000 Directed deletions in the aflatoxin biosynthesis gene homolog cluster of *Aspergillus oryzae*. Curr. Genet. **37**:104-111
- 86. Lee, D.W., Koh, J.-S., Kim, J.H. & Chae, K.-S.** 1999 Cloning and nucleotide sequence of one of the most highly expressed genes, a *pdca* homolog of *Aspergillus nidulans*, in *Aspergillus oryzae*. Biotechnol. Lett. **21**:139-142
- 87. Litzka, O., Then Bergh, K., Van den Brulle, J., Steidl, S. & Brakhage, A.A.** 1999 Transcriptional control of expression of fungal β -lactam biosynthesis genes. Ant. van Leeuwenhoek **75**:95-105
- 88. Liu, B. & Morris, N.R.** 2000 A spindle pole body-associated protein, SNAD, affects septation and conidiation in *Aspergillus nidulans*. Mol. Gen. Genet. **263**:375-387
- 89. Loke, P. & Sim, T.** 1999 Site-directed mutagenesis of arginine-89 supports the role of its guanidino side-chain in substrate binding by *Cephalosporium acremonium* isopenicillin N synthase. FEMS Microbiol. Lett. **179**:423-429
- 90. Lucas, G.M., Tucker, P. & Merz, W.G.** 1999 Primary cutaneous *Aspergillus nidulans* infection associated with a Hickman catheter in a patient with neutropenia. Clin. Infect. Diseases. **29**:1594-1596
- 91. Mahfouz, N.M. & Moharram, A.M.** 1999 Synthesis, characterization and in-vitro antifungal evaluation of some dithiocarbamic acid derivatives. Pharm. Pharmacol. Commun. **5**:315-322
- 92. Mahmoud, A.-L.E.** 1999 Inhibition of growth and aflatoxin biosynthesis of *Aspergillus flavus* by extracts of some Egyptian plants. Lett. Appl. Microbiol. **29**:334-336
- 93. Manavathu, E.K., Dimmock, J.R., Vashishtha, S.C. & Chandrasekar, P.H.** 1999 Proton-pumping-ATPase-targeted antifungal activity of a novel conjugated styryl ketone. Antimicrob. Agents Chemotherapy. **43**:2950-2959
- 94. Martín, J.F., Casqueiro, J., Kosalkova, K., Marcos, A.T. & Gutiérrez, S.** 1999 Penicillin and cephalosporin biosynthesis: Mechanism of carbon catabolite regulation of penicillin production. Ant. van Leeuwenhoek **75**:21-31
- 95. Martínez-Ruiz, A., Kao, R., Davies, J. & Martínez del Pozo, A.** 1999 Ribotoxins are a more widespread group of proteins within the filamentous fungi than previously believed. Toxicon **37**:1549-1563
- 96. Mathis, R., Grosjean, C., de Billy, F., Huguet, T. & Gamas, P.** 1999 The early nodulin gene *MtN6* is a novel marker for events preceding infection of *Medicago truncatula* roots by *Sinorhizobium meliloti*. Mol. Plant-Microbe Interact. **12**:544-555
- 97. Mayordomo, I., Randez-Gil, F. & Prieto, J.A.** 2000 Isolation, purification, and characterization of a cold-active lipase from *Aspergillus nidulans*. J. Agr. Food Chem. **48**:105-109
- 98. McDonald, J.P., Rapić-Otrin, V., Epstein, J.A., Broughton, B.C., Wang, X., Lehmann, A.R., Wolgemuth,**

- D.J. & Woodgate, R.** 1999 Novel human and mouse homologs of *Saccharomyces cerevisiae* DNA polymerase h. *Genomics* **60**:20-30
- 99. Mingot, J.M., Peñalva, M.A. & Fernández-Cañon, J.M.** 1999 Disruption of *phacA*, an *Aspergillus nidulans* gene encoding a novel cytochrome P450 monooxygenase catalyzing phenylacetate 2-hydroxylation, results in penicillin overproduction. *J. Biol. Chem.* **274**:14545-14550
- 100. Motomura, M., Chihaya, N., Shinozawa, T., Hamasaki, T. & Yabe, K.** 1999 Cloning and characterization of the O-Methyltransferase I gene (*dmtA*) from *Aspergillus parasiticus* associated with the conversions of demethylsterigmatocystin to sterigmatocystin and dihydrodemethylsterigmatocystin to dihydrosterigmatocystin in aflatoxin biosynthesis. *Appl. Env. Microbiol.* **65**:4987-4994
- 101. Nagashima, T., Tange, T. & Anazawa, H.** 1999 Dephosphorylation of phytate by using the *Aspergillus niger* phytase with a high affinity for phytate. *Appl. Env. Microbiol.* **65**:4682-4684
- 102. Nakajima, K., Kunihiro, S., Sano, M., Zhang, Y., Eto, S., Chang, Y.-C., Suzuki, T., Tigami, Y. & Machida, M.** 2000 Comprehensive cloning and expression analysis of glycolytic genes from the filamentous fungus *Aspergillus oryzae*. *Curr. Genet.* **37**:322-327
- 103. Narendja, F.M., Davis, M.A. & Hynes, M.J.** 1999 AnCF, the CCAAT binding complex of *Aspergillus nidulans*, is essential for the formation of a DNase I-hypersensitive site in the 5' region of the *amdS* gene. *Mol. Cell. Biol.* **19**:6523-6531
- 104. Negrete-Urtasun, S., Reiter, W., Diez, E., Denison, S.H., Tilburn, J., Espeso, E.A., Peñalva, M.A. & Arst, H.N.Jr.** 1999 Ambient pH signal transduction in *Aspergillus*: Completion of gene characterization. *Mol. Microbiol.* **33**:994-1003, Erratum **34**:1149.
- 105. Ngiam, C., Jeenes, D.J., Punt, P.J., van den Hondel, C.A.M.J.J. & Archer, D.B.** 2000 Characterization of a foldase, protein disulphide isomerase A in the protein secretion pathway of *Aspergillus niger*. *Appl. Env. Microbiol.* **66**:775-782
- 106. Noventa-Jordao, M.A., Couto, R.M., Goldman, M.H.S., Aguirre, J., Iyer, S., Caplan, A., Terenzi, H.F. & Goldman, G.H.** 1999 Catalase activity is necessary for heat-shock recovery in *Aspergillus nidulans* germlings. *Microbiology (Reading)* **145**:3229-3234
- 107. Noventa-Jordão, M.A., do Nascimento, A.M., Goldman, M.H.S., Terenzi, H.F. & Goldman, G.H.** 2000 Molecular characterization of ubiquitin genes from *Aspergillus nidulans*: mRNA expression on different stress and growth conditions. *Biochim. Biophys. Acta.* **1490**:237-244
- 108. Ohi, R. & Gould, K.L.** 1999 Regulating the onset of mitosis. *Curr. Opin. Cell Biol.* **11**:267-273
- 109. Osmani, A.H., May, G.S. & Osmani, S.A.** 1999 The extremely conserved *pyroA* gene of *Aspergillus nidulans* is required for pyridoxine synthesis and is required indirectly for resistance to photosensitizers. *J. Biol. Chem.* **274**:23565-23569
- 110. Ovechkina, Y.Y., Pettit, R.K., Cichacz, Z.A., Pettit, G.R. & Oakley, B.R.** 1999 Unusual antimicrotubule activity of the antifungal agent spongistatin 1. *Antimicrob. Agents Chemother.* **43**:1993-1999
- 111. Papadopoulou S. & Sealy-Lewis HM.** 1999 The *Aspergillus niger acuA* and *acuB* genes correspond to the *facA* and *facB* genes in *Aspergillus nidulans*. *FEMS Microbiol. Lett.* **178**:35-37
- 112. Parker, E.J., Bello, C.G., Coggins, J.R., Hawkins, A.R. & Abell, C.** 2000 Mechanistic studies on type I and type II dehydroquinase with (6*R*)- and (6*S*)-6-fluoro-3-dehydroquinic acids. *Bioorg. Med. Chem. Lett* **10**:231-234

- 113. Pedersen, H., Hjort, C. & Nielsen, J.** 2000 Cloning and characterization of *oah*, the gene encoding oxaloacetate hydrolase in *Aspergillus niger*. *Mol. Gen. Genet.* **263**:281-286
- 114. Pera, L.M., Biagorí, M.D. & Callieri, D.** 1999 Influence of environmental conditions on hyphal morphology in pellets of *Aspergillus niger*: the role of b-N-acetyl-D-glucosaminidase. *Curr. Microbiol.* **39**:65-67
- 115. Petersen, K.L., Lehmebeck, J. & Christensen, T.** 1999 A new transcriptional activator for amylase genes in *Aspergillus*. *Mol. Gen. Genet.* **262**:668-676
- 116. Pham, X., Vittadini, E., Levin, R. E. & Chinachoti, P.** 1999 Role of water mobility on mold spore germination. *J. Agr. Food Chem.* **47**:4976-4983
- 117. Picó, Y., Fernández, M., Rodríguez, R., Almudéver, J., Mañes, J., Font, G., Marín, R., Carda, C., Manzanares, P. & Ramón, D.** 1999 Toxicological assessment of recombinant xylanase X₂₂ in wine. *J. Agric. Food Chem.* **47**:1597-1602
- 118. Pitt, C. & Doonan, J.** 1999 Fungal cell division. Ch 7 in *Molecular Fungal Biology*, ed. R.P. Oliver & M. Schweizer, Cambridge University Press, Cambridge, pp 209-230
- 119. Porta, A., Ramon, A.M. & Fonzi, W.H.** 1999 *PRR1*, a homolog of *Aspergillus nidulans palF*, controls pH-dependent gene expression and filamentation in *Candida albicans*. *J. Bacteriol.* **181**:7516-7523
- 120. Ramón, A., Muro-Pastor, M.I., Scazzocchio, C. & Gonzalez, R.** 2000 Deletion of the unique gene encoding a typical histone H1 has no apparent phenotype in *Aspergillus nidulans*. *Mol. Microbiol.* **35**:223-233
- 121. Rao, J.P. & Subramanyam, C.** 2000 Calmodulin mediated activation of acetyl-CoA carboxylase during aflatoxin production by *Aspergillus parasiticus*. *Lett. Appl. Microbiol.* **30**:277-281
- 122. Rosén, S., Yu, J.-H. & Adams, T.H.** 1999 The *Aspergillus nidulans sfaD* gene encodes a G protein b subunit that is required for normal growth and repression of sporulation. *EMBO J.* **18**:5592-5600
- 123. Royer, J.C., Christianson, L.M., Yoder, W.T., Gambetta, G.A., Klotz, A.V., Morris, C.L., Brody, H. & Otani, S.** 1999 Deletion of the trichodiene synthase gene of *Fusarium venenatum*: Two systems for repeated gene deletions. *Fungal Genet. Biol.* **28**:68-78
- 124. Ruijter, G.J.G., Panneman, H., Xu, D.-B. & Visser, J.** 2000 Properties of *Aspergillus niger* citrate synthase and effects of *citA* overexpression on citric acid production. *FEMS Microbiol. Lett.* **184**:35-40
- 125. Ruijter, G.J.G., van de Vondervoort, P.J.I. & Visser, J.** 1999 Oxalic acid production by *Aspergillus niger*: an oxalate-non-producing mutant produces citric acid at pH 5 and in the presence of manganese. *Microbiol. (Reading)* **245**:2569-2576
- 126. Ruiz-Dueñas, J.F., Martínez, M.J. & Martínez, A.T.** 1999 Heterologous expression of *Pleurotus eryngii* peroxidase confirms its ability to oxidize Mn²⁺ and different aromatic substrates. *Appl. Env. Microbiol.* **65**:4705-4707
- 127. Sahay, S.** 1999 Phenylalanine transport in *Aspergillus nidulans*: Demonstration of role of phenylalanine binding proteins. *Ind. J. Exp. Biol.* **37**:152-156
- 128. Sato, Y., Niimura, Y., Yura, K. & Gō, M.** 1999 Module-intron correlation and intron sliding in family F/10 xylanase genes. *Gene* **238**:93-101
- 129. Segurado, M., Lopez-Aragón, R., Calera, J.A., Fernández-Abalos, J.M. & Leal, F.** 1999 Zinc-regulated

biosynthesis of immunodominant antigens from *Aspergillus* spp. *Infect. Immun.* **67**:2377-2382

- 130. Shuster, J.R. & Bindel Conelley, M.** 1999 Promoter-tagged restriction enzyme-mediated insertion (PT-REMI) mutagenesis in *Aspergillus niger*. *Mol. Gen. Genet.* **262**:27-34
- 131. Sienko, M. & Paszewski, A.** 1999 The *metG* gene of *Aspergillus nidulans* encoding cystathionine b-lyase: cloning and analysis. *Curr. Genet.* **35**:638-646
- 132. Sievers, N., Bertsch, E. & Fischer, R.** 1999 Isolation of nuclear migration mutants of *Aspergillus nidulans* using GFP expressing strains. *Mycological Research* **103**:961-966
- 133. Small, A.J., Hynes, M.J. & Davis, M.A.** 1999 The TamA protein fused to a DNA-binding domain can recruit AreA, the major nitrogen regulatory protein, to activate gene expression in *Aspergillus nidulans*. *Genetics* **153**:95-105
- 134. Snoeijers, S.S., Vossen, P., Goosen, T., Van den Broek, H.W. & De Wit, P.J.** 1999 Transcription of the avirulence gene *Avr9* of the fungal tomato pathogen *Cladosporium fulvum* is regulated by a GATA-type transcription factor in *Aspergillus nidulans*. *Mol. Gen. Genet.* **261**:653-659
- 135. St. Leger, R.J., Screen, S.E. & Shams-Pirzadeh, B.** 2000 Lack of host specialization in *Aspergillus flavus*. *Appl. Env. Microbiology* **66**:320-324
- 136. Stephens, K.E., Miller, K.Y. & Miller, B.L.** 1999 Functional analysis of DNA sequences required for conidium-specific expression of the *SpoCI-CIC* gene of *Aspergillus nidulans*. *Fungal Genet. Biol.* **27**:231-242
- 137. Suelmann, R. & Fischer, R.** 2000 Mitochondrial movement and morphology depend on an intact actin cytoskeleton in *Aspergillus nidulans*. *Cell Motil. Cytoskeleton* **45**:42-50
- 138. Sun, J., Rhodes, J.C. & Askew, D.S.** 1998 Sequencing of a gene encoding a member of the mitochondrial carrier family of transport proteins from *Aspergillus nidulans*. *DNA Sequence* **9**:1-8
- 139. Swift, R.J., Wiebe, M.G., Robson, G.D. & Trinci, A.P.J.** 1998 Recombinant glucoamylase production by *Aspergillus niger* B1 in chemostat and pH auxostat cultures. *Fungal Genetics and Biology* **25**:100-109
- 140. Tanaka, K. & Nigg, E.A.** 1999 Cloning and characterization of the murine Nek3 protein kinase, a novel member of the NIMA family of putative cell cycle regulators. *J. Biol. Chem.* **274**:13491-13497
- 141. Tani, S., Kawaguchi, T., Kato, M., Kobayashi, T. & Tsukagoshi, N.** 2000 A novel nuclear factor, SREB, binds to a cis-acting element, SRE, required for inducible expression of the *Aspergillus oryzae* Taka-amylase A gene in *Aspergillus nidulans*. *Mol. Gen. Genet.* **263**:232-238
- 142. Tawara, S., Ikeda, F., Maki, K., Morishita, Y., Otomo, K., Teratani, N., Goto, T., Tomishima, M., Ohki, H., Yamada, A., Kawabata, K., Takasugi, H., Sakane, K., Tanaka, H., Matsumoto, F. & Kuwahara, S.** 2000 In vitro activities of a new lipopeptide antifungal agent, FK463, against a variety of clinically important fungi. *Antimicrob. Agents Chemotherapy* **44**:57-62
- 143. Theilgaard, H.A. & Nielsen, J.** 1999 Metabolic control analysis of the penicillin biosynthetic pathway: the influence of the LLD-ACV:bisACV ratio on the flux control. *Ant. van Leeuwenhoek* **75**:145-154
- 144. Todd, R.B., Lockington, R.A. & Kelly, J.M.** 2000 The *Aspergillus nidulans creC* gene involved in carbon catabolite repression encodes a WD40 repeat protein. *Mol. Gen. Genet.* **263**:561-570
- 145. Tsai, H.-F., Wheeler, M.H., Chang, Y.C. & Kwon-Chung, K.J.** 1999 A developmentally regulated gene cluster involved in conidial pigment biosynthesis in *Aspergillus fumigatus*. *J. Bacteriol.* **181**:6469-6477

- 146. Unkles, S.E., Heck, I.S., Appleyard, M.V.C.L. & Kinghorn, J.R.** 1999 Eukaryotic molybdopterin synthase. Biochemical and molecular studies of *Aspergillus nidulans* *cnxG* and *cnxH* mutants. J. Biol. Chem. **274**:19286-19293
- 147. Vallim, M.A., Miller, K.Y. & Miller, B.L.** 2000 *Aspergillus steA* (sterile12-like) is a homeodomain-C₂/H₂-Zn⁺² finger transcription factor required for sexual reproduction. Mol. Microbiol. **36**:290-301
- 148. van de Kamp, M., Driessen, A.J.M. & Konings, W.N.** 1999 Compartmentalization and transport in b-lactam antibiotic biosynthesis by filamentous fungi. Ant. van Leeuwenhoek **75**:41-78
- 149. van de Kamp, M., Pizzinini, E., Vos, A., van der Linde, T.R., Schuurs, T.A., Newbert, R.W., Turner, G., Konings, W.N. & Driessen, A.J.M.** 1999 Sulfate transport in *Penicillium chrysogenum*: cloning and characterization of the *sutA* and *sutB* genes. J. Bacteriol. **181**:7228-7234
- 150. van de Velde, F., Könemann, L., van Rantwijk, F. & Sheldon, R.A.** 2000 The rational design of semisynthetic peroxidases. Biotechnol. Bioeng. **67**:87-96
- 151. Van den Brulle, J., Steidl, S. & Brakhage, A.A.** 1999 Cloning and characterization of an *Aspergillus nidulans* gene involved in the regulation of penicillin biosynthesis. Appl. Env. Microbiol. **65**:5222-5228
- 152. Vautard, G., Cotton, P. & Fèvre, M.** 1999 The glucose repressor CRE1 from *Sclerotinia sclerotiorum* is functionally related to CREA from *Aspergillus nidulans* but not to the Mig proteins from *Saccharomyces cerevisiae*. FEBS Lett. **453**:54-58
- 153. Vautard-Mey, G., Cotton, P. & Fèvre, M.** 1999 Expression and compartmentation of the glucose repressor CRE1 from the phytopathogenic fungus *Sclerotinia sclerotiorum*. Eur. J. Biochem. **266**:252-259
- 154. Villanueva, A., MacCabe, A.P., Buesa, J. & Ramón, D.** 1999 Apparent mRNA instability in *Aspergillus nidulans* and *Aspergillus terreus* of a heterologous cDNA encoding the major capsid antigen of rotavirus. Rev. Iberoam. Micol. **16**:130-135
- 155. Villanueva, A., Ramón, D., Vallés, S., Lluch, M.A. & MacCabe, A.P.** 2000 Heterologous expression in *Aspergillus nidulans* of a *Trichoderma longibrachiatum* endoglucanase of enological relevance. J. Agr. Food Chem. **48**:951-957
- 156. von den Brink, J.M., Punt, P.J., van Gorcom, R.F.M. & van den Hondel, C.A.M.J.J.** 2000 Regulation of expression of the *Aspergillus niger* benzoate para-hydroxylase cytochrome P450 system. Mol. Gen. Genet. **263**:601-609
- 157. Wang, H. & Ward, M.** 2000 Molecular characterization of a PDI-related gene *prpA* in *Aspergillus niger* var. *awamori*. Curr. Genet. **37**:57-64
- 158. Wang, P.-H., Wang, S.-W. & Wang, Y.-W.** 1999 [CHINESE: Phylogenetic relationships among the sections of form-genus *Aspergillus* and their teleomorphs inferred from ITS II rDNA sequences.] J. Chinese Agr. Chem. Soc. **37**:470-480 [Only abstract
seen]
- 159. Whittaker, M.M., Kersten, P.J., Cullen, D. & Whittaker, J.W.** 1999 Identification of catalytic residues in glyoxal oxidase by targeted mutagenesis. J. Biol. Chem. **274**:36226-36232
- 160. Whittaker, S.L., Lunness, P., Milward, K.J., Doonan, J.H. & Assinder, S.J.** 1999 *sod^{VI}C* is an a-COP-related gene which is essential for establishing and maintaining polarized growth in *Aspergillus nidulans*. Fungal Genet. Biol. **26**:236-252

- 161. Wolkow, T.D., Mirabito, P.M., Venkatram, S. & Hamer, J.E.** 2000 Hypomorphic *bimA*^{APC3} alleles cause errors in chromosome metabolism that activate the DNA damage checkpoint blocking cytokinesis in *Aspergillus nidulans*. *Genetics* **154**:167-179
- 162. Wösten, H.A.B. & Wiley, J.M.** 2000 Surface-active proteins enable microbial aerial hyphae to grow into the air. *Microbiol. (Reading)* **146**:767-773
- 163. Xiang, X., Zuo, W., Efimov, V.P. & Morris, N.R.** 1999 Isolation of a new set of *Aspergillus nidulans* mutants defective in nuclear migration. *Curr. Genet.* **35**:626-630
- 164. Yamada, O., Lee, B.R., Gomi, K. & Iimura, Y.** 1999 Cloning and functional analysis of the *Aspergillus oryzae* conidiation regulator gene *brlA* by its disruption and misscheduled expression. *J. Biosci. Bioeng.* **87**:424-429
- 165. Yamashita, R.A., Osherov, N. & May, G.S.** 2000 Localization of wild type and mutant class I myosin proteins in *Aspergillus nidulans* using GFP-fusion proteins. *Cell Motil. Cytoskeleton.* **45**:163-172
- 166. Yano, S., Kobayashi, K., Shishido, S. & Nakano, H.** 1999 Intrabronchial *Aspergillus nidulans* infection in an immunocompetent man. *Intern. Med. (Tokyo)* **38**:372-375
- 167. Yaver, D.S., Lamsa, M., Munds, R., Brown, S.H., Otani, S., Franssen, L., Johnstone, J.A. & Brody, H.** 2000 Using DNA-tagged mutagenesis to improve heterologous protein production in *Aspergillus oryzae*. *Fungal. Genet. Biol.* **29**:28-37
- 168. Ye, X.S., Lee, S.-L., Wolkow, T.D., McGuire, S.-L., Hamer, J.E., Wood, G.C. & Osmani, S.A.** 1999 Interaction between developmental and cell cycle regulators is required for morphogenesis in *Aspergillus nidulans*. *EMBO J.* **18**:6994-7001
- 169. Zhao, L., Gou, X.-H. & Zhang, Y.-Z.** 1999 [In Chinese: Sequencing and homologous analysis of glyceraldehyde-3-phosphate dehydrogenase gene from *Aspergillus niger*] *Sichuan Daxue Xuebao (Ziran Kexueban)* **36**:752-758 (Only abstract seen)
- 170. Zhou, J. L.** 1999 Zn biosorption by *Rhizopus arrhizus* and other fungi. *Appl. Microbiol. Biotechnol.* **51**:686-693
- 171. Zhou, R. & Linz, J.E.** 1999 Enzymatic function of the Nor-1 protein in aflatoxin biosynthesis in *Aspergillus parasiticus*. *Appl. Env. Microbiol.* **65**:5639-5641
-

Aspergillus Bibliography Authors

Abarca, M.L. 1
Abell, C. 112
Accensi, F. 1
Adams, T.H. 2 3 16 77 122
Aguirre, J. 106
Aharonowitz, Y. 83
Aist, J.R. 4
Akashi, T. 80
Al-Samarrai, J.H. 5
Aleksenko, A. 6
Almudéver, J. 117
Álvaro, J. 44
Anazawa, H. 101
Andermann, M. 64
Andrade-Monteiro, C. de 7
Andrianopoulos, A. 13
Anzai T. 81
Appleyard, M.V.C.L. 146
Archer, D.B. 8 53 105
Arezi, B. 75
Arnaud, L. 47
Arst, H.N.Jr. 44 104
Askew, D.S. 138
Assinder, S.J. 160
Auclair, K. 78
Barredo, J.L. 39
Begum, D. 22
Bello, C.G. 112
Bellon-Fontaine, M.-N. 52
Benen, J. 26
Bergmann, C. 26
Bernasconi, E. 39
Bertsch, E. 132
Beuchat, L.R. 9
Bhatnagar, D. 20
Biagorí, M.D. 114
Bignell, E. 44
Bindel Conelley, M. 130
Bingle, E.H. 10
Blinkovsky, A.M. 11
Borel, E. 29
Borgia, P.T. 28
Borovok, I. 83
Borsuk, P. 12
Bouchara, J.-P. 43
Brakhage, A.A. 13 87 151
Braus, G.H. 40 64 82
Brock, M. 14
Brody, H. 123 167
Brookman, J.L. 53
<https://newprairiepress.org/fgr/vol47/iss1/30>
DOI: 10.4148/1941-4765.1226

Broughton, B.C. 98
Brown, K.M. 11
Brown, S.H. 167
Buckel, W. 14
Buesa, J. 154
Bull, A.T. 15
Bullock, K.A. 71
Bushell, M.E. 15
Butchko, R.A.E. 16
Byun, T. 11
Cabañes, F.T. 1
Cahuzac, B. 19
Calera, J.A. 129
Callieri, D. 114
Calvo, A.M. 17
Cano, J. 1
Caplan, A. 106
Carbone, I. 18
Carda, C. 117
Cary, J.W. 41
Casqueiro, J. 55 94
Cerdan, R. 19
Chabasse, D. 43
Chae, K.-S. 86
Chamovitz, D.A. 76
Chandrasekar, P.H. 93
Chang, P.-K. 20
Chang, Y.-C. 102
Chang, Y.C. 145
Cheong, S.-S. 57
Chihaya, N. 100
Chikamatsu, G. 21
Chinachoti, P. 116
Chmielewski, R. 9
Choi, S. 22
Christensen, T. 115
Christianson, L.M. 123
Cichacz, Z.A. 110
Clement, D.J. 23 24
Cleveland, T.E. 20
Clipson, N.J.W. 23 24
Clutterbuck, A.J. 54
Coggins, J.R. 112
Cohen, B.L. 25
Cohen, G. 83
Colangelo, J. 26
Cotton, P. 152 153
Couto, R.M. 106
Cubero B. 27
Cullen, D. 159
Culp, D.W. 28
Dannaoui, E. 29
Davies, J. 95
Davis, M.A. 13 103 133

de Billy, F. 96
de Graaff, L.H. 34 51 59
de la Serna, I. 30
De Lucas, J.R. 31
de Souza, C.L. 32
De Souza, C.P.C. 33
de Vries, R.P. 34
De Wit, P.J. 134
Deane, E.E. 35
Dekkers, E. 51
Delfosse, P. 38
Demain, A.L. 36
Denison, S.H. 44 104
Dessen, P. 37
Devi, K.T. 38
Díez, B. 39
Díez, E. 44 104
Dimmock, J.R. 93
do Nascimento, A.M. 107
Dodge, C.L. 28
Domínguez, A.I. 31
Doonan, J.H. 53 118 160
Dott, W. 46
Driessen, A.J.M. 148 149
Dzikowska, A. 12
Eckert, S.E. 40 64 82
Efimov, V.P. 163
Ehrlich, K.C. 41
El Moudni, B. 43
Elander, R.P. 36
Empel, J. 12
Endo, Y. 42
Epstein, J.A. 98
Esnault, K. 43
Espeso, E.A. 44 104
Eto, S. 102
Félenbok, B. 19
Fernández, M. 117
Fernández-Abalos, J.M. 129
Fernández-Cañon, J.M. 99
Ferreira, A.V.B. 45
Fèvre, M. 50 152 153
Fierro, F. 55
Figuera, L. 1
Fincham, D.A. 24
Fischer, G. 46
Fischer, R. 14 132 137
Font, G. 117
Fonzi, W.H. 119
Frank, J.F. 9
Franssen, L. 167
Fry, A.M. 47
Fujiwara, M. 66
Futai, E. 48
<https://newprairiepress.org/fgr/vol47/iss1/30>
DOI: 10.4148/1941-4765.1226

Gamas, P. 96
Gambetta, G.A. 123
Ganga, M.A. 49
Gardner, H.W. 17
Genete, S. 50
Gerstberger, T. 82
Gielkens, M.M. 51
Girardin, H. 52
Gö, M. 128
Gojkovic, Z. 6
Goldman, G.H. 32 106 107
Goldman, M.H.S. 32 106 107
Golightly, E.J. 11
Gómez D. 27
Gomi, K. 164
Gonzalez, R. 120
Goosen, T. 134
Gordon, C.L. 53
Goto, T. 142
Gou. X.-H. 169
Gould, K.L. 108
Griffith, G.W. 54
Grosjean, C. 96
Grzelak, A. 12
Grzeskowiak, R. 12
Guittet, E. 19
Gutiérrez, S. 55 94
Gygax, S.E. 71
Hall, N. 56
Hamari, Z. 79
Hamasaki, T. 100
Hamer, J.E. 161 168
Han, D.M. 57
Han, K.-H. 57
Harris, S.D. 58 65
Hasper, A.A. 59
Hawkins, A.R. 60 112
Heck, I.S. 146
Heidler, S.A. 61
Heitman, J. 74
Helmstaedt, K. 82
Hemming, F.W. 62
Hinze, L.L. 17
Hjort, C. 113
Ho, Y. 63
Hoe, H.-S. 57
Hoffmann, B. 40 64 82
Hofmann, A. 65
Hooley, P. 23 24
Hoppert, M. 82
Horiuchi, H. 66 67
Horizumi, K. 68
Huguet, T. 96
Hutchinson, C.R. 78

Hynes, M.J. 13 103 133
Iimura, Y. 164
Ikeda, F. 142
Imashevich, K.M. 42
Ishiura, S. 48
Ito, K. 69
Iwashita, K. 69
Iyer, S. 106
Jahng, K.-Y. 72
Jalving, R. 70
James, S.W. 71
Jang, S.-H. 72
Jeenes, D.J. 53 105
Jeong, S.-Y. 48
Jha, S.N. 73
Johnstone, J.A. 167
Joseph, J.D. 74
Kallow, W. 75
Kao, R. 95
Karniol, B. 76
Kato, M. 13 21 141
Kawabata, K. 142
Kawaguchi, T. 141
Kelkar, H.S. 77
Keller, N.P. 16 17 77
Kelly, J.M. 144
Kendrew, S.G. 78
Kennedy, J. 75 78
Képès, F. 37
Kersten, P.J. 159
Keswani, J. 9
Kevei, F. 79
Khalaj, V. 53
Kikuchi, A. 80
Kim, J.H. 86
Kim, K.-H. 80
Kimura, H. 69
Kinghorn, J.R. 84 146
Kitamoto, K. 48 68
Klotz, A.V. 123
Kobayashi, K. 166
Kobayashi, T. 21 141
Koh, J.-S. 86
Kohn, L.M. 18
Könemann, L. 150
Konings, W.N. 148 149
Kosalkova, K. 94
Koshinsky, H. 22
Kosuge, J. 81
Krappmann, S. 82
Kraynack, B.A. 71
Kreisberg-Zakarin, R. 83
Kübler, E. 64
Kucsera, J. 79

Kunihiro, S. 102
Kurtov, D. 84
Kusamoto, K.-I. 85
Kuwahara, S. 142
Kwon-Chung, K.J. 145
Laborda, F. 31
Lamb, H.K. 60
Lamsa, M. 167
LaPaglia, S.K. 64
Latgé, J.-P. 52
Law, S.E. 9
Lazarus, C.M. 10
Leal, F. 129
Lee, B.R. 164
Lee, D.W. 86
Lee, S.-L. 168
Lehmann, A.R. 98
Lehmbeck, J. 115
Levett, L.J. 60
Levin, R. E. 116
Li, L. 28
Licon, V. 26
Linder, D. 14
Linz, J.E. 171
Litzka, O. 87
Liu, B. 88
Liu, W. 6
Lluch, M.A. 155
Lockington, R.A. 144
Loke, P. 89
Lopez-Aragón, R. 129
Lucas, G.M. 90
Lunness, P. 160
Lynch, J.M. 35
MacCabe, A.P. 154 155
Machida, M. 68 102
MacLeod, J.A. 71
Mahfouz, N.M. 91
Mahmoud, A.-L.E. 92
Maki, K. 142
Malec, P. 76
Manavathu, E.K. 93
Mañes, J. 117
Manzanares, P. 117
Marcos, A.T. 94
Marín, R. 117
Martín, J.F. 55 94
Martínez del Pozo, A. 95
Martínez, A.T. 126
Martínez, M.J. 126
Martinez-Rossi, N.M. 7
Martínez-Ruiz, A. 95
Mathis, R. 96
Matsumoto, F. 142

Matura, R.A. 71
May, G.S. 109 165
Mayo, M.A. 38
Mayordomo, I. 97
McDonald, J.P. 98
McGuire, S.-L. 168
McNeal, K.K. 71
Means, A.R. 74
Mellado, E. 39
Merz, W.G. 90
Miao, Y. 28
Miller, B.L. 136 147
Miller, K.Y. 136 147
Milward, K.J. 160
Mingot, J.M. 99
Mirabito, P.M. 161
Mizuguchi, I. 80
Moharram, A.M. 91
Möller, M. 46
Monier, M.-F. 29
Montalbano, B.G. 41
Morishita, R. 42
Morishita, Y. 142
Morris, C.L. 123
Morris, N.R. 4 88 163
Motomura, M. 100
Munds, R. 167
Muro-Pastor, M.I. 120
Nagahara, T. 69
Nagashima, T. 101
Nakajima, H. 68
Nakajima, K. 102
Nakano, H. 166
Narendja, F.M. 103
Negrete-Urtasun, S. 104
Newbert, R.W. 149
Newton, G.H. 60
Ng, D. 30
Ngiam, C. 105
Nielsen, J. 6 113 143
Nigg, E.A. 47 140
Niimura, Y. 128
Nogata, Y. 85
Noventa-Jordao, M.A. 106
107
O'Neil, J. 24
Oakley, B.R. 110
Ohi, R. 108
Ohki, H. 142
Ohta, A. 66
Ohta, H. 85
Orlando, R. 26
Osherov, N. 165
Osmani, A.H. 109
<https://newprairiepress.org/fgr/vol47/iss1/30>
DOI: 10.4148/1941-4765.1226

Osmani, S.A. 33 109 168
Ostrowski, R. 46
Otani, S. 123 167
Otomo, K. 142
Ovechkina, Y.Y. 110
Ow, D.W. 22
Panneman, H. 124
Papadopoulou S. 111
Paris, S. 52
Park, C. 78
Parker, E.J. 112
Paszewski, A. 131
Peberdy, J.F. 35 62
Pedersen, H. 113
Peñalva, M.A. 44 99 104
Pera, L.M. 114
Persat, F. 29
Petersen, K.L. 115
Pettit, G.R. 110
Pettit, R.K. 110
Pham, X. 116
Picó, Y. 117
Picot, S. 29
Piens, M.-A. 29
Piñaga, F. 49
Piskur, J. 6
Pitt, C. 118
Pizzinini, E. 149
Porta, A. 119
Poussereau, N. 50
Prasauckas, K.A. 71
Prieto, J.A. 97
Punt, P.J. 53 105 156
Querol, A. 49
Radding, J.A. 61
Rainbow, L. 44
Ram, A.F.J. 53
Ramon, A.M. 119
Ramón, A. 120
Ramón, D. 49 117 154 155
Randez-Gil, F. 97
Rao, J.P. 121
Rapic-Otrin, V. 98
Rault, J. 52
Reddy, D.V.R. 38
Reddy, G. 38
Reddy, K.L.N. 38
Reddy, S.V. 38
Reiter, W. 104
Rhodes, J.C. 138
Robson, G.D. 53 139
Rodriguez, M. 39
Rodríguez, R. 117
Roncal, T. 44

Rosén, S. 122
Royer, J.C. 123
Ruijter, G.J.G. 124 125
Ruiz-Dueñas, J.F. 126
Sag-Ozkal, D. 28
Sahay, S. 127
Sakane, K. 142
Sano, M. 102
Sato, Y. 128
Scacheri, P.C. 71
Scazzocchio, C. 27 120
Schaap, P.J. 70
Schmid, J. 5
Schnappauf, G. 82
Schuurs, T.A. 149
Schwalbe, R. 46
Screen, S.E. 135
Sealy-Lewis HM. 111
Segurado, M. 129
Shams-Pirzadeh, B. 135
Sheldon, R.A. 150
Shenefiel, H.L. 71
Shimoi, H. 69
Shinozawa, T. 100
Shirai, K. 21
Shishido, S. 166
Shuster, J.R. 130
Sienko, M. 131
Sievers, N. 132
Sim, T. 89
Simpson, T.J. 10
Small, A.J. 133
Snoeijers, S.S. 134
Sorimachi, H. 48
St. Leger, R.J. 135
Stanley, M.S. 24
Stark, M.S. 54
Steidl, S. 13 87 151
Stephens, K.E. 136
Suárez, T. 44
Subramanyam, C. 121
Suelmann, R. 137
Sun, J. 138
Suzuki, K. 48
Suzuki, T. 102
Swift, R.J. 139
Takagi, M. 66 67
Takano, M. 69
Takasugi, H. 142
Takatori, K. 81
Takeo, K. 68
Tanaka, H. 142
Tanaka, K. 140
Tange, T. 101

Tani, S. 141
Tawara, S. 142
Teratani, N. 142
Terenzi, H.F. 106 107
Theilgaard, H.A. 143
Then Bergh, K. 87
Tigami, Y. 102
Tilburn, J. 44 104
Tobin, H.M. 71
Todd, R.B. 144
Tomishima, M. 142
Tomsett, A.B. 56
Townsend, C.A. 77
Trinci, A.P.J. 53 139
Tronchin, G. 43
Tsai, H.-F. 145
Tsukagoshi, N. 13 21 141
Tucker, P. 90
Turner, G. 31 75 149
Tyler, B.M. 30
Unkles, S.E. 84 146
Valenciano, S. 31
Vallés, S. 49 155
Vallim, M.A. 147
Van den Broek, H.W. 134
Van den Brulle, J. 87 151
van de Kamp, M. 148 149
van de Velde, F. 150
van de Vondervoort, P.J.I. 70
125
van den Hondel, C.A.M.J.J.
53 105 156
van der Linde, T.R. 149
van Gorcom, R.F.M. 156
van Rantwijk, F. 150
Vashishtha, S.C. 93
Vautard, G. 152
Vautard-Mey, G. 153
Vederas, J.C. 78
Venkatram, S. 161
Villanueva, A. 154 155
Visser, J. 26 34 51 59 70 124
125
Vittadini, E. 116
von den Brink, J.M. 156
von Döhren, H. 75
Vos, A. 149
Vossen, P. 134
Wade, S.D. 71
Wallis, G.L.F. 62
Wang, H. 157
Wang, P.-H. 158
Wang, S.-W. 158
Wang, X. 98

Wang, Y.-W. 158
Wanke, C. 40
Ward, M. 157
Waring, R.B. 63
Watanabe, C.M.H. 77
Weglenski, P. 12
Wells, B. 53
Wheeler, K.A. 60
Wheeler, M.H. 145
Whipps, J.M. 35
Whittaker, J.W. 159
Whittaker, M.M. 159
Whittaker, S.L. 160
Wiebe, M.G. 139
Wieser, J.K. 2
Wiley, J.M. 162
Wing, R.A. 22
Wolgemuth, D.J. 7 98
Wolkow, T.D. 161 168
Wood, G.C. 168
Woodcock, N.A. 24
Woodgate, R. 98
Wösten, H.A.B. 162
Xiang, X. 163
Xu, D.-B. 124
Yabe, K. 100
Yamada, A. 142
Yamada, O. 164
Yamaguchi, M. 68
Yamashita, R.A. 165
Yamashita, S. 66
Yanko, M. 83
Yano, S. 166
Yaver, D.S. 167
Ye, X.S. 33 168
Yoder, W.T. 123
Yoshinari, S. 42
Yu, J. 20
Yu, J.-H. 3 122
Yura, K. 128
Zhang, Y. 102
Zhang, Y.-Z. 169
Zhao, L. 169
Zhou, J. L. 170
Zhou, R. 171
Zuo, W. 163

2000 Aspergillus Bibliography Keywords

Acetamidase regulation 13
Acetate utilization 31 111
Acetyl-CoA carboxylase 121
Actin cytoskeleton 137
Actin-related protein 68 70 163
ACV synthetase 75
Acylcarnitine transporter 31
Aerial hyphae 162
Aflatoxigenic fungi 9 92
Aflatoxin antibodies 38
Aflatoxin biosynthesis 20 85 92 100 121 171
Alcohol regulation 19
Allergenicity 117
Alpha-COP-related gene 160
Alpha-sarcin 42
Amino acid biosynthesis 64
Amino acid transport 138
Amphotericin B 29
Amylase regulation 115 141
Anaphase promoting complex 161
Aneuploid formation 161
Antifungal agents 9 14 29 91 93 110 142
Antigens ASPND1, ASPF2 129
Antisense RNA 64 105
Arginase 12
Aroma enhancement 49 155
Aromatic biosynthesis 82
Aromatic degradation 99 112
ATM-related kinase 65
ATPase inhibitor 93
Aureobasidin resistance 61
Autogenous regulation 50
Autonomous replication 72
Autophosphorylation 47
Auxin 40
Avirulence gene regulation 134
BACs 22
Benomyl release 7
Benzoate p-hydroxylase 156
Benzoate regulation 156
Beta-lactam antibiotics 36 55 87
Biotechnology 8
Calcofluor sensitivity 66
Calmodulin 121
Calpain-like protease 48
Carbon regulation 12 13 21 27 30 34 87 94 115 134 144 152 153
Carboxyl extension protein 107
Carboxypeptidase 11
Carnitine transporter 31
Catalase 106

CCAAT-binding protein 13 103
Cell cycle 4 33 58 71 108 118 132 160
Cell walls 28
Cellobiohydrolase 51
Cellulase 21
Cephalosporin biosynthesis 36 55 87 89 94
Checkpoints 71 108
Chemostat culture 15
Chitin biosynthesis 28 66 67
Chitin/chitosan 170
Chitinase 35
Chorismate mutase 82
Chromatin conformation 103
Citrate synthase 124
Citric acid production 124 125
Cleistothecia 57
Cluster genes 60
Coatomer complex 160
Codon usage 37 154
Coenzyme A biosynthesis 84
Cofactor binding 56
Compartmentation 148 153
Compost fungi 46
Congo red sensitivity 66
Conidial germination 43 116
Conidial pigments 145
Conidial structure 52
Conidiation 2 3 14 15 17 28 54
57 64 68 71 88 96 122 136 162
164 168
Copper binding 159
Cre/lox recombination 22
Cross-pathway control 40 64
Cyclophilin B 74
Cyclosporin A sensitivity 74
Cystathionine b-lyase 131
Cytochalasin A 137
Cytochrome P450 99 156
Cytokinesis 161
Dehydroquinases 112
Deletions, natural 85
DHN melanin 145
Dihydroorotase evolution 6
Dihydroorotate dehydrogenase 6
Disomics 73
Disomy stabilization 160
Dithiocarbamates 91
DNA binding motif 41
DNA damage checkpoint 33 65 161
DNA endoreduplication 33
DNA extraction 5
DNA polymerase h 98
DNA-tagged mutagenesis 167
DNAase I hypersensitivity 103
<https://newprairiepress.org/fgt/vol47/iss1/30>
DOI: 10.4148/1941-4765.1226

Endoglucanase 21 155
Expressed sequence tags 86
Expression vectors 39
Flavin monooxygenases 77
Flavour enhancers 11
Fluorophenylalanine resistance 127
Foldase 105
Footprinting, promoter 41
Fungicides 14
G protein 122
Galactofuranose assay 62
GATA factor 134
Gel-shift assays, promoter 41
Gene cloning 22
Gene clusters 27 55 87 145
Gene dosage 160
Gene overexpression 39 124
Gene replacement 123
Germ tube emergence 58
Germination 43 116
Global regulation 60
Glucan synthesis inhibitor 142
Glucoamylase production 139
Glucosidase 69
Glyceraldehyde-3-phosphate
dehydrogenase 169
Glycolytic genes 102
Glycoproteins 62
Glycosylation 26
Glyoxal oxidase 159
Green fluorescent protein 53 88 120 132 137 165
HAP DNA-binding complex 13
Heat shock 107 106
Heavy metal pollution 170
Heterologous gene expression 35 36 154 155
Heterologous protein production 167
Highly expressed gene 86
Histone H1 120
Homeodomain protein 147
Horses 81
Hydrophobins 162
Hydroxyurea sensitivity 33 161
Hyphal dimorphism 119 120
Hyphal morphology 114 165
Hyphal polarity 58 160
Hyphal ballooning 66
Inducer exclusion 27
Inositol phosphoryl transferase 61
Intrahyphal hyphae 66
Intron group I 63
Introns 128
Invertase 62
Isopenicillin N synthase 83 89
Itraconazole 29

Ketopantoate
hydroxymethyltransferase 84
Kex-like protease 70
Leucine zipper 47
Light response 17 76
Lignin degradation 126 159
Linoleic acid 17
Lipases 97 167
Lipopeptide antifungal 142
Lovastatin biosynthesis 78
Mannitol 106
MAP kinase pathway 76
Mass spectrometry 26
Maturase 63
Melanin biosynthesis 145
Metabolic control analysis 143
Methionine biosynthesis 131
Methylcitrate synthase 14
Micro-ORF 156
Microbodies 148
Microtubule disruption 110
Microtubule nucleation 7
Mitochondrial carrier protein 138
Mitochondrial DNA 79
Mitochondrial movement 137
Mitogillin 42
Mitosis 4 33 108 118
Module-intron correlation 128
Molybdopterin synthase 146
Monoxygenases 77
mRNA secondary structure 12
mRNA stability 154
Multicopy transformant stability 139
Multidrug resistance 32
Mycotoxins 3 8 10 16 123
Mycoviruses 79
Myosin 43 165
N-acetyl glucosaminidase 114
Nitrate reductase 56 146
Nitrogen fixation 96
Nitrogen regulation 12 27 50 96 133
NMR analysis 19
Norsolorinic acid ketoreductase 171
Nuclear distribution 68
Nuclear migration 132 153 163
Nucleases in transformation 45
O-methyltransferase 100
Organic acid production 113 124 125
Osmotolerance 23 24
Oxalic acid production 125
Oxaloacetate hydrolase 113
Ozone antifungal 9
P450 monooxygenases 77
Pantothenate biosynthesis 84
<https://newprairiepress.org/fgi/vol47/iss1/30>
DOI: 10.4148/1941-4765.1226

Pathogenicity 61 81 90 135 142 166
Pathway flux control 60
PAUSE software 37
PCR in taxonomy 1 18
Pectate lyase 26
Penicillin biosynthesis 8 13 36
39 55 75 83 87 89 94 99 143 148 151
Peptidyl-prolyl isomerase 74
Peroxidases 126 150
pH auxostat 139
pH signalling 44 48 87 94 104 119
Phenylacetate 2-hydroxylase 99
Phenylalanine binding protein 127
Phosphoglucomutase 64
Photomorphogenesis 76
Photosensitizer resistance 109
Phytase 101 150
Pigments 10 14
Plasmid replication 72
Polyketide synthases 10 78
Polymorphism in wild 131
Polyol biosynthesis 24
Polyubiquitin 107
Polyunsaturated fatty acids 17
Pontecorvo obituary 25
Proline induction 27
Proline utilization 27
Promoter analysis 41 103 136 141 156
Propionate utilization 14
Protease processing 70
Proteases 48
Proteases in pathogenicity 135
Protein dimerization 47
Protein disulphide isomerase 105 157
Protein domain analysis 44 75 165
Protein glycosylation 26
Protein kinases 47 65 140
Protein secretion 53 70 105
Protein targeting 37 160
Proteolysis 107
Proteolytic activation 44
Promoter-tagged-REMI 130
Pyridoxine biosynthesis 109
Pyrimidine biosynthesis 6
Pyruvate decarboxylase 86
REMI 32 130 167
Replicating plasmids 72
Restrictocin 42
Ribonucleases 95
Ribosomal efficiency 15
Ribosomal genes 30
Ribosomal spacers 158
Ribotoxins 42 95
Rodlet layer 52

Root nodulation 96
Rotavirus 154
Salt tolerance 24
Secondary metabolism 3
Self-splicing intron 63
Semisynthetic enzymes 150
Septation 65 88 161 165
Sexual reproduction 40 57 147
Signal transduction 104
Spindle pole body 88
Spongistatin 110
Starch repression element 141
Sterigmatocystin biosynthesis 3 16 77
Stress-induced proteins 74
Strong promoter 86
Substrate binding 89
Sulphate transport 149
Tagging genes by REMI 32
Taka-amylase 21 141
Taxonomy 1 18 158
Terpenes 46
Topoisomerase II 80
Toxic volatiles 46
Toxicology of recombinant gene 117
Transcription factors 19 20 134 147
Transformant stability 139
Transformation methods 32 35 45 130 167
Translational regulation 37 156
Trehalose 106
Trichothecene biosynthesis 123
Trifluoperazine 121
Tryptophan auxotrophs 40
UBI extension protein 107
Ubiquitin 106 107
Vacuoles 148
Vanadium peroxidases 150
Viruses 79 80
Volatile compounds 46
Water uptake 116
WD40 proteins 144
Wine making 49 117 155
Xylan degradation 34
Xylanases 117 128
Xylose degradation 51 59
Xylose reductase 59
Xylose regulation 51 59
Zinc binuclear clusters 19 115
Zinc biosorption 170
Zinc finger proteins 54 71 147
Zinc-repressed antigens 129

ORGANISMS (See also Genes)**Fungi**

A. spp. 95

A. ficuum 150

A. flavus 17 135

A. fumigatus 43 129 150

A. giganteus 42

A. niger 1 45 53 70 101 125 130

156

A. oryzae 11 85 102 167

A. parasiticus 17 20

A. terreus 154^e

A. tubigenis 1

Acremonium chrysogenum

(Cephalosporium acremonium) 87

89 94

Fusarium venenatum 11^e

Magnaporthe grisea 22

Penicillium chrysogenum 87 94

Phanerochaete chrysosporium

159^h

Rhizopus arrhizus 170

Saccharomyces cerevisiae 20^h

49^e 117^h 72^t

Trichoderma longibrachiatum

155^e

Trichoderma reesei 35

Other organisms

Escherichia coli 171^h

Rotavirus 154^e

Sinorhizobium meliloti 96