Fungal Genetics Reports

Volume 47 Article 30

Aspergillus Bibliography 2000

John Clutterbuck
University of Glasgow

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

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

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-b-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 pBACwich 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

DOI: 10.4148/1941-4765.1226

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 polysacharides 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 b-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., Gygax, 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-Zakarin, 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 b-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 Inhibitin 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., Rapic-Otrin, V., Epstein, J.A., Broughton, B.C., Wang, X., Lehmann, A.R., Wolgemuth,

DOI: 10.4148/1941-4765.1226

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., Lehmbeck, 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 X_{22} 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 Mn^{2+} 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, & Gõ, 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 *SpoC1-C1C* 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-C_2/H_2-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

DOI: 10.4148/1941-4765.1226

2000 Aspergillus Bibliography Keywords

ORGANISMS (See also Genes)