

Aspergillus Bibliography

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Aspergillus Bibliography

Abstract

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

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Aspergillus Bibliography

This bibliography attempts to cover genetical and biochemical publications on *Aspergillus nidulans* and also includes selected references to related species and topics. I would be grateful for publication lists and reprints, especially for papers in books and less readily available periodicals. Entries have been checked as far as possible, but please tell me of any errors. Authors are kindly requested to send a copy of each article to the FGSC for its reprint collection.

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Corrections to Fungal Genetics Newsletter 48

43. De Lucas, J.R., Martínez, O., Pérez, P., López, I., Valenciano, S. & Laborda, F. 2001 The *Aspergillus nidulans* carnitine carrier encoded by the *acuH* gene is exclusively located in mitochondria. FEMS Microbiol. Lett **201**: 193-198

210. Zhou, R., Rasooly, R. & Linz, J.E. 2000 Isolation and analysis of *fluP*, a gene associated with hyphal growth and sporulation in *Aspergillus parasiticus*. Mol. Gen. Genet. **264**: 514-520

New References

1. Adamama-Moraitou, K.K., Paitaki, C.G., Rallis, T.S. & Tontis, D. 2001 *Aspergillus* species cystitis in a cat. J. Feline Med. Surg. **3**: 31-34

2. Adams, B., Lowe, D.J., Smith, A.T., Scazzocchio, C., Demais, S. & Bray, R.C. 2002 Expression of *Drosophila melanogaster* xanthine dehydrogenase in *Aspergillus nidulans* and some properties of the recombinant enzyme. Biochem. J. **362**: 223-229

3. Adams, I.P., Dack, S., Dickinson, F.M. & Ratledge, C. 2002 The distinctiveness of ATP:citrate lyase from *Aspergillus nidulans*. Biochim. Biophys. Acta **1597**: 36-41

4. Agger, T., Petersen, J.B., O'Connor, S.M., Murphy, R.L., Kelly, J.M. & Nielsen, J. 2001 Physiological characterisation of recombinant *Aspergillus nidulans* strains with different *creA* genotypes expressing *A. oryzae* α -amylase. *J. Biotechnol.* **92**: 279-285
5. Amillis, S., Koukaki, M. & Diallinas, G. 2001 Substitution F569S converts UapA, a specific uric acid-xanthine transporter, into a broad specificity transporter for purine-related solutes. *J. Mol. Biol.* **313**: 765-774
6. Anantharaman, V & Aravind, L. 2002 MOSC domains: ancient, predicted sulfur-carrier domains, present in diverse metal-sulfur cluster biosynthesis proteins including molybdenum cofactor sulfurases. *FEMS Microbiol. Lett.* **207**: 55-61
7. Balter, M. 2002 France. Biologist wins battle over bureaucratic fungus. *Science.* **295**: 2355.
8. Bañuelos, O., Casqueiro, J., Steidl, S., Gutiérrez, S., Brakhage, A. & Martín, J.F. 2002 Subcellular localization of the homocitrate synthase in *Penicillium chrysogenum*. *Molec. Genet. Genomics* **266**: 711-719
9. Bibbins, M., Crepin, V.F., Cummings, N.J., Mizote, T., Baker, K., Mellits, K.H. & Connerton, I.F. 2002 A regulator gene for acetate utilisation from *Neurospora crassa*. *Mol. Genet. Genomics* **267**: 498-505
10. Borneman, A.R., Hynes, M.J. & Andrianopoulos, A. 2002 A basic helix-loop-helix protein with similarity to the fungal morphological regulators, Phd1p, Efg1p and StuA, controls conidiation but not dimorphic growth in *Penicillium marneffei*. *Mol. Microbiol.* **44**: 621-631
11. Bozsik, A., Szilagy, Z., Benko, Z. & Sipiczki, M. 2002 Marker construction and cloning of a *cut1*-like sequence with ARS activity in the fission yeast *Schizosaccharomyces japonicus*. *Yeast* **19**: 485-498
12. Bradshaw, R.E., Bird, D.M., Brown, S., Gardiner, R.E. & Hirst, P. 2001 Cytochrome *c* is not essential for viability of the fungus *Aspergillus nidulans*. *Mol. Genet. Genomics* **266**: 48-55
13. Brandhorst, T., Dowd, P.F. & Kenealy, W.R. 2001 The effect of fungal ribosome inactivating proteins upon feeding choice in *C. freemani*, and indications of a mutualistic relationship with *A. restrictus*. *Environmental mycology. Mycopathologia* **152**: 155-158
14. Brosch, G., Dangl, M., Graessle, S., Loidl, A., Trojer, P., Brandtner, E.-M., Mair, K., Walton, J.D., Baidyaroy, D. & Loidl, P. 2001 An inhibitor-resistant histone deacetylase in the plant pathogenic fungus *Cochliobolus carbonum*. *Biochem.* **40**: 12855-12863
15. Bruno, K.S., Morrell, J.L., Hamer, J.E. & Staiger, C.J. 2001 SEPH, a Cdc7p orthologue from *Aspergillus nidulans*, functions upstream of actin ring formation during cytokinesis. *Mol. Microbiol.* **42**: 3-12
16. Bruno-Bárcena, J.M., Lucca, M.E., Siñeriz, F. & Ramón, D. 2002 pH regulation of enzyme production in *Aspergillus nidulans* growing in aerobic batch fermenter. *Biotechnol. Lett.* **24**: 567-572
17. Burghoorn, H.P., Soteropoulos, P., Paderu, P., Kashiwazaki, R. & Perlin, D.S. 2002 Molecular evaluation of the plasma membrane proton pump from *Aspergillus fumigatus*. *Antimicrob. Agents Chemother.* **46**: 615-624
18. Cahuzac, B., Cerdan, R., Felenbok, B. & Guittet, E. 2001 The solution structure of an AlcR-DNA complex sheds light onto the unique tight and monomeric DNA binding of a Zn₂Cys₆ protein. *Structure* **9**: 827-836

19. Calvo, A.M., Gardner, H.W. & Keller, N.P. 2001 Genetic connection between fatty acid metabolism and sporulation in *Aspergillus nidulans*. J. Biol. Chem. **276**: 25766-25774
20. Cheng, J., Park, T.-S., Fischl, A.S. & Ye, X.S. 2001 Cell cycle progression and cell polarity require sphingolipid biosynthesis in *Aspergillus nidulans*. Mol. Cell. Biol. **21**: 6198-6209
21. Chiou, C.-H., Miller, M., Wilson, D.L., Trail, F. & Loins, J.E. 2002 Chromosomal location plays a role in regulation of aflatoxin gene expression in *Aspergillus parasiticus*. Appl. Env. Microbiol. **68**: 306-315
22. Conesa, A., Jeenes, D., Archer, D.B., van den Hondel, C.A.M.J.J. & Punt, P.J. 2002 Calnexin overexpression increases manganese peroxidase production in *Aspergillus niger*. Appl. Env. Microbiol. **68**: 846-851
23. Conesa, A., Punt, P.J., van Luijk, N. & van den Hondel, C.A.M.J.J. 2001 The secretion pathway in filamentous fungi: a biotechnological view. Fungal Genet. Biol. **33**: 155-171
24. Coppin, E. 2002 The *fle1* gene encoding a C2H2 zinc finger protein co-ordinates male and female sexual differentiation in *Podospora anserina*. Mol. Microbiol. **43**: 1255-1268
25. Costa, M.A., Silva, N.C.G. & Castro-Prado, M.A.A. 2001 Genetic and cytological characterization of a developmental mutant of *Aspergillus nidulans* induced by 5-azacytidine. Biol. Res. **34**: 91-98
26. Cuadros, S.C., Brito, A.G., Martinez-Rossi, N.M. & Rossi, A. 2001 The *Aspergillus nidulans* *phsB4* mutation alters colonial growth and development of the mould at acidic pH. World J. Microbiol. Biotechnol. **17**: 779-782
27. da Silva, M.C., Bertolini, M.C. & Ernandes, J.R. 2001 Biomass production and secretion of hydrolytic enzymes are influenced by the structural complexity of the nitrogen source in *Fusarium oxysporum* and *Aspergillus nidulans*. J. Basic Microbiol. **41**: 269-280
28. Das, P., Ram, G.C., Dutta, T.K., Paul, A. & Singh, V.P. 2001 Use of agar gel double-diffusion test in detecting serum precipitating antibodies in livestock with systemic aspergillosis. Ind. J. Animal Sci. **71**: 768-770
29. Dawe, A.L., Caldwell, K.A., Harris, P.M., Morris, N.R. & Caldwell, G.A. 2001 Evolutionarily conserved nuclear migration genes required for early embryonic development in *Caenorhabditis elegans*. Dev. Genes Evol. **211**: 434-441
30. De Lucas, J.R., Domínguez, A.I., Higuero, Y., Martínez, O., Romero, B., Mendoza, A., Garcia-Bustos, J.F. & Laborda, F. 2001 Development of a homologous transformation system for the opportunistic human pathogen *Aspergillus fumigatus* based on the *sC* gene encoding ATP sulfurylase. Arch. Microbiol. **176**: 106-113
31. de Vries, R.P., Benen, J.A.E., de Graaff, L.H. & Visser, J. 2002 Plant cell wall degrading enzymes produced by *Aspergillus*. The Mycota, vol X. Industrial applications, ed. Esser, K. & Bennett, J.W., Springer-Verlag, Berlin, pp. 263-279
32. Derkx P.M.F. & Madrid, S.M. 2001 The *Aspergillus niger* *cypA* gene encodes a cyclophilin that mediates sensitivity to the immunosuppressant cyclosporin A. Mol. Genet. Genomics **266**: 527-536
33. Derkx P.M.F. & Madrid, S.M. 2001 The foldase CYPB is a component of the secretory pathway of *Aspergillus niger* and contains endoplasmic reticulum signal HEEL. Mol. Genet. Genomics **266**: 537-545

- 34. Dezotti, N.O.C.R. & Zucchi, M.A.D.** 2001 Identification of *Aspergillus nidulans* genes essential for the accumulation of sterigmatocystin. *Fungal Genet. Biol.* **34**: 93-105
- 35. Diez, E., Álvaro, J., Espeso, E.A., Rainbow, L., Suárez, T., Tilburn, J., Arst, H.N.Jr., Peñalva, M.A.** 2002 Activation of the *Aspergillus* PacC zinc finger transcription factor requires two proteolytic steps. *EMBO J.* **21**: 1350-1359
- 37. Empel, J., Sitkiewicz, A., Andrukiewicz, A., Lasocki, K., Borsuk, P. & Weglenski, P.** 2001 *arcA*, the regulatory gene for arginine catabolic pathway in *Aspergillus nidulans*. *Mol. Genet. Genomics* **266**: 591-597
- 38. Fillinger, S., Chaverocche, M.-K., Shimizu, K., Keller, N. & d'Enfert, C.** 2002 cAMP and ras signalling independently control spore germination in the filamentous fungus *Aspergillus nidulans*. *Mol. Microbiol.* **44**: 1001-1016
- 39. Fillinger, S., Chaverocche, M.-K., van Dijck, P., de Vries, R., Ruijter, G., Thevelein, J. & d'Enfert, C.** 2001 Trehalose is required for the acquisition of tolerance to a variety of stresses in the filamentous fungus *Aspergillus nidulans*. *Microbiol.* **147**: 1851-1862
- 40. Flipphi, M., Kocalkowska, J. & Felenbok, B.** 2002 Characteristics of physiological inducers of the ethanol utilization (*alc*) pathway in *Aspergillus nidulans*. *Biochem. J.* **364**: 25-31
- 41. Flory, M.R., Morphew, M., Joseph, J.D., Means, A.R. & Davis, T.N.** 2002 Pcp1p, an Spc110p-related calmodulin target at the centrosome of the fission yeast *Schizosaccharomyces pombe*. *Cell Growth Differentiation.* **13**: 47-58
- 42. Fraser, J.A., Davis, M.A. & Hynes, M.J.** 2002 The genes *gmdA*, encoding an amidase, and *bzuA*, encoding a cytochrome P450, are required for benzamide utilization in *Aspergillus nidulans*. *Fungal Genet. Biol.* **35**: 135-146
- 43. Fraser, J.A., Davis, M.A. & Hynes, M.J.** 2002 A gene from *Aspergillus nidulans* with similarity to *URE2* of *Saccharomyces cerevisiae* encodes a glutathione *S*-transferase which contributes to heavy metal and xenobiotic resistance. *Appl. Env. Microbiol.* **68**: 2802-2808
- 44. Geißenhöner, A., Sievers, N., Brock, M. & Fischer, R.** 2001 *Aspergillus nidulans* DigA, a potential homolog of *Saccharomyces cerevisiae* Pep3 (Vps18), is required for nuclear migration, mitochondrial morphology and polarized growth. *Mol. Genet. Genomics* **226**: 672-685
- 45. Gil, J.V. & Vallés, S.** 2001 Effect of macerating enzymes on red wine aroma at laboratory scale: Exogenous addition or expression by transgenic wine yeasts. *J. Agr. Food Chem.* **49**: 5515-5523
- 46. Goldman, G.H., McGuire, S.L. & Harris, S.D.** 2002 The DNA damage response in filamentous fungi. *Fungal Genet. Biol.* **35**: 183-195
- 47. Gómez, D., Cubero, B., Cecchetto, G. & Scazzocchio, C.** 2002 PrnA, a Zn₂Cys₆ activator with a unique DNA recognition mode, requires inducer for *in vivo* binding. *Mol. Microbiol.* **44**: 585-597
- 48. Gowher, H., Ehrlich, K.C. & Jeltsch, A.** 2001 DNA from *Aspergillus flavus* contains 5-methylcytosine. *FEMS Microbiol. Lett.* **205**: 151-155

- 49. Greene, V., Cao, H., Schanne, F.A.X. & Bartelt, D.C.** 2002 Oxidative stress-induced calcium signalling in *Aspergillus nidulans*. *Cell. Signalling* **14**: 437-443
- 50. Grynberg, M., Piotrowska, M., Pizzinini, E., Turner, G. & Paszewski A.** 2001 The *Aspergillus nidulans metE* gene is regulated by a second system independent from sulphur metabolite repression. *Biochim. Biophys. Acta.* **1519**: 78-84
- 51. Gundersen, G.G.** 2002 Evolutionary conservation of microtubule-capture mechanisms. *Nature Rev. Mol. Cell Biol.* **3**: 296-304
- 52. Gupta, G.D. & Heath, B.** 2002 Predicting the distribution, Conservation, and functions of SNAREs and related proteins in fungi. *Fungal Genet. Biol.* **36**: 1-21
- 53. Han, K.H. & Prade, R.A.** 2002 Osmotic stress-coupled maintenance of polar growth in *Aspergillus nidulans*. *Mol. Microbiol.* **43**: 1065-1078
- 54. Han, S. & Adams, T.H.** 2001 Complex control of the developmental regulatory locus *brlA* in *Aspergillus nidulans*. *Mol. Genet. Genomics* **266**: 260-270
- 55. Harris, S.D.** 2001 Septum formation in *Aspergillus nidulans*. *Curr. Opin. Microbiol.* **4**: 736-739
- 56. Hartmeier, W. & Reiss, M.** 2000 Production of beer and wine. *The Mycota*, vol X. Industrial applications, ed. Esser, K. & Bennett, J.W., Springer-Verlag, Berlin, pp. 49-65
- 57. Heck, I.S., Schrag, J.D., Sloan, J., Millar, L.J., Kanan, G., Kinghorn, J.R. & Unkles, S.E.** 2002 Mutational analysis of the gephyrin-related molybdenum cofactor biosynthetic gene *cnxE* from the lower eukaryote *Aspergillus nidulans*. *Genetics* **161**: 623-632
- 58. Helmstaedt, K., Heinrich, G., Lipscomb, W.N. & Braus, G.H.** 2002 Refined molecular hinge between allosteric and catalytic domain determines allosteric regulation and stability of fungal chorismate mutase. *Proc. Nat. Acad. Sci. USA* **99**: 6631-6636
- 59. Hino, M., Fujie, A., Iwamoto, T., Hori, Y., Hashimoto, M., Tsurumi, Y., Sakamoto, K., Takase, S. & Hashimoto, S.** 2001 Chemical diversity in lipopeptide antifungal antibiotics. *J. Indust. Microbiol. Biotechnol.* **27**: 157-162
- 60. Hoffmann, B., Valerius, O., Andermann, M. Braus, G.H.** 2001 Transcriptional autoregulation and inhibition of mRNA translation of amino acid regulator gene *cpcA* of filamentous fungus *Aspergillus nidulans*. *Mol. Biol. Cell* **12**: 2846-2857
- 61. Hoffmann, B., Zuo, W., Liu, A. & Morris, N.R.** 2001 The LIS1-related protein NUDF of *Aspergillus nidulans* and its interaction partner NUDE bind directly to specific subunits of dynein and dynactin and to α - and γ -tubulin. *J. Biol. Chem.* **276**: 38877-38884
- 62. Hofmann, A.F. & Harris, S.D.** 2001 The *Aspergillus nidulans musN* gene encodes a RecQ helicase that interacts with the PI-3K-related kinase UVSb. *Genetics* **159**: 1595-1604
- 63. Holzmann, K., Schreiner, E. & Schwab, H.** 2002 A *Penicillium chrysogenum* gene (*aox*) identified by specific induction upon shifting pH encodes for a protein which shows high homology to fungal alcohol oxidases. *Curr. Genet.* **40**: 339-344
- 64. Hynes, M.J., Draht, O.W. & Davis, M.A.** 2002 Regulation of the *acuF* gene, encoding phosphoenolpyruvate carboxykinase in the filamentous fungus *Aspergillus nidulans*. *J. Bacteriol.* **184**: 183-190

- 65. Ichinomiya, M., Motoyama, T., Fujiwara, M., Takagi, M., Horiuchi, H. & Ohta, A.** 2002 Repression of *chsB* expression reveals the functional importance of class IV chitin synthase gene *chsD* in hyphal growth and conidiation of *Aspergillus nidulans*. *Microbiol.* **148**: 1335-1347
- 66. Inagaki, Y., Blouin, C., Doolittle, W.F. & Roger, A.J.** 2002 Convergence and constraint in eukaryotic release factor 1 (eRF1) domain 1: the evolution of stop codon specificity. *Nucleic Acids Res.* **30**: 532-544
- 67. Jalving, R., Bron, P., Kester, H.C.M., Visser, J. & Schaap, P.J.** 2002 Cloning of a prolidase gene from *Aspergillus nidulans* and characterisation of its product. *Mol. Genetic. Genomics* **267**: 218-222
- 68. Joseph, J.D. & Means, A.R.** 2002 Calcium binding is required for calmodulin function in *Aspergillus nidulans*. *Euk. Cell* **1**: 119-125
- 69. Jung, M.K., Prigozhina, N., Oakley, C.E., Nogales, E. & Oakley, B.R.** 2001 Alanine-scanning mutagenesis of *Aspergillus* γ -tubulin yields diverse and novel phenotypes. *Mol. Biol. Cell* **12**: 2119-2136
- 70. Juvvadi, P.R., Arioka, M., Nakajima, H. & Kitamoto, K.** 2001 Cloning and sequence analysis of *cnaA* gene encoding the catalytic subunit of calcineurin from *Aspergillus oryzae*. *FEMS Microbiol. Lett.* **204**: 169-174
- 71. Kato, M., Naruse, F., Kobayashi, T. & Tsukagoshi, N.** 2001 No factors except for the Hap complex increase the Taka-amylase A gene expression by binding to the CCAAT sequence in the promoter region. *Biosci. Biotechnol. Biochem.* **65**: 2340-2342
- 72. Kato, M., Tateyama, Y., Hayashi, K., Naruse, F., Oonishi, R., Tanoue, S., Tanaka, A., Kobayashi, T. & Tsukagoshi, N.** 2002 A quantity control mechanism regulating levels of the HapE subunit of the Hap complex in *Aspergillus nidulans*: No accumulation of HapE in *hapC* deletion mutants. *FEBS Lett.* **512**: 227-229
- 73. Kato, N., Suyama, S., Shirokane, M., Kato, M., Kobayashi, T. & Tsukagoshi, N.** 2002 Novel α -glucosidase from *Aspergillus nidulans* with strong transglycosylation activity. *Appl. Env. Microbiol.* **68**: 1250-1256
- 74. Kellner, E.M. & Adams, T.H.** 2002 Mutations in *sfdA* and *sfdB* suppress multiple developmental mutations in *Aspergillus nidulans*. *Genetics* **160**: 159-168
- 75. Kessler, M.M., Willins, D.A., Zeng, Q., Del Mastro, R.G., Cook, R., Doucette-Stamm, L., Lee, H., Caron, A., McClanahan, T.K., Wang, L., Greene, J., Hare, R.S., Cottarel, G. & Shimer, G.H.Jr.** 2002 The use of direct cDNA selection to rapidly and effectively identify genes in the fungus *Aspergillus fumigatus*. *Fungal Genet. Biol.* **36**: 59-70
- 76. Klich, M., Mendoza, C., Mullaney, E., Keller, N. & Bennett, J. W.** 2001 A new sterigmatocystin-producing *Emericella* variant from agricultural desert soils. *System. Appl. Microbiol.* **24**: 131-138
- 77. Kraus, P.R. & Harris, S.D.** 2001 The *Aspergillus nidulans snt* genes are required for the regulation of septum formation and cell cycle checkpoints. *Genetics* **159**: 557-569
- 78. Kraus, P.R., Hofmann, A.F. & Harris, S.D.** 2002 Characterization of the *Aspergillus nidulans* 14-3-3 homologue, ArtA. *FEMS Microbiol. Lett.* **210**: 61-66
- 79. Kubodera, T., Yamashita, N. & Nishimura, A.** 2002 Transformation of *Aspergillus* sp. and *Trichoderma reesei* using the pyrithiamine resistance gene (*ptr*) of *Aspergillus oryzae*. *Biosci, Biotechnol. Biochem.* **66**: 404-406

- 80. Kunová, Z. & Piecková, E.** 2002 Isolation of fluconazole-tolerant micromycetes onto different cultivation media. *Folia Microbiol.* **47**: 113-117
- 81. Kuroki, Y., Juvvadi, P.R., Arioka, M., Nakajima, H. & Kitamoto, K.** 2002 Cloning and characterization of *vmaA*, the gene encoding a 69-kDa catalytic subunit of the vacuolar H⁺-ATPase during alkaline pH mediated growth of *Aspergillus oryzae*. *FEMS Microbiol. Lett.* **209**: 277-282
- 82. Kwon, B.K., Han, K.H., Han, K.Y., Ju, S.M., Hwang, S.G., Jeon, B.H., Han, D.M. & Kim, W.S.** 2001 Molecular cloning of *kpcA* gene encoding a Kex2p-like endoprotease from *Aspergillus nidulans*. *Mol. Cells* **12**: 142-147
- 83. Laich, F., Fierro, F. & Martín, J.F.** 2002 Production of penicillin by fungi growing on food products: identification of a complete penicillin gene cluster in *Penicillium griseofulvum* and a truncated cluster in *Penicillium verrucosum*. *Appl. Env. Microbiol.* **68**: 1211-1219
- 84. Lee, H.-H., Park, J.-S., Chae, S.K., Maeng, P.J. & Park, H.-M.** 2002 *Aspergillus nidulans* *sod^{VI}CI* mutation causes defects in cell wall biogenesis and protein secretion. *FEMS Microbiol. Lett.* **208**: 253-257
- 85. Leonardo, A.L. & Castro-Prado, M.A.A.** 2001 Avaliação do potencial recombinogênico do antibiótico danofloxacina em células diplóides de *Aspergillus nidulans*. (Evaluation of the recombinogenic activity of danofloxacin in diploid cells of *Aspergillus nidulans*. - ENGLISH ABSTRACT) *Arq. Bras. Med. Vet. Zootec.* **53**: 130-135
- 86. Lenouvel, F., Fraissinet-Tachet, L., van de Vondervoort, P.J.I. & Visser, J.** 2001 Isolation of UV-induced mutations in the *areA* nitrogen regulatory gene of *Aspergillus niger*, and construction of a disruption mutant. *Mol. Genet. Genomics* **266**: 42-47
- 87. Liu, X., Oshero, N., Yamashita, R., Brzeska, H., Korn, E.D. & May, G.S.** 2001 Myosin I mutants with only 1% of wild-type actin-activated MgATPase activity retain essential *in vivo* function(s). *Proc. Natl. Acad. Sci. USA* **98**:9122-9127
- 88. Lockington, R.A. & Kelly, J.M.** 2002 The WD40-repeat protein CreC interacts with and stabilizes the deubiquitinating enzyme CreB *in vivo* in *Aspergillus nidulans*. *Mol. Microbiol.* **43**: 1173-1182
- 89. Loke, P. & Sim, T.-S.** 2001 Site-directed mutagenesis of proline-285 to leucine in *Cephalosporium acremonium* isopenicillin N-synthase affects catalysis and increases soluble expression at higher temperatures. *Z. Naturforsch.* **56c**: 413-415
- 90. MacCabe, A.P. & Ramón, D.** 2001 Expression of the *Aspergillus nidulans xlnC* gene encoding the X₃₄ endo-xylanase is subject to carbon catabolite repression and pH control. *World J. Microbiol, Biotechnol.* **17**: 57-60
- 91. Machado, M.de F.P.S. & Castro-Prado, M.A.A.** 2001 Differential esterase expression in developmental mutants of *Aspergillus nidulans*. *Biochem. Genet.* **39**: 357-368
- 92. Margelis, S., D'Souza, C., Small, A.J., Hynes, M.J., Adams, T.H. & Davis, M.A.** 2001 Role of glutamine synthetase in nitrogen metabolite repression in *Aspergillus nidulans*. *J. Bacteriol.* **183**: 5826-5833

- 93. Marui, J., Tanaka, A., Mimura, S., de Graaff, L.H., Visser, J., Kitamoto, N., Kato, M., Kobayashi, T. & Tsukagoshi, N.** 2002 A transcriptional activator, AoXlnR, controls the expression of genes encoding xylanolytic enzymes in *Aspergillus oryzae*. *Fungal Genet. Biol.* **35**: 157-169
- 94. Maruyama, J.-i., Nakajima, H., Kitamoto, K.** 2001 Visualization of nuclei in *Aspergillus oryzae* with EGFP and analysis of the number of nuclei in each conidium by FACS. *Biosci. Biotechnol. Biochem.* **65**: 1504-1510
- 95. Maruyama, J.-i., Nakajima, H. & Kitamoto, K.** 2002 Observation of EGFP-visualized nuclei and distribution of vacuoles in *Aspergillus oryzae arpA* null mutant. *FEMS Microbiol. Lett.* **206**: 57-61
- 96. Meletiadis, J., Mouton, J.W., Meis, J.F.G.M., Bouman, B.A., Donnelly, J.P., Verweij, P.E. & Eurofung Network** 2001 Colorimetric assay for antifungal susceptibility testing of *Aspergillus* species. *J. Clin. Microbiol.* **39**: 3402-3408
- 97. Meletiadis, J., Mouton, J.W., Meis, J.F.G.M., Bouman, B.A., Donnelly, P.J., Verweij, P.E. & Eurofung Network** 2001 Comparison of spectrophotometric and visual readings of NCCLS method and evaluation of a colorimetric method based on reduction of a soluble tetrazolium salt, 2,3-bis {2-methoxy-4-nitro-5-[(sulfenylamino) carbonyl]-2H- tetrazolium-hydroxide}, for antifungal susceptibility testing of *Aspergillus* species. *J. Clin. Microbiol.* **39**: 4256-4263
- 98. Mellado, E., Diaz-Guerra, T.M., Cuenca-Estrella, M. & Rodriguez-Tudela, J.L.** 2001 Identification of two different 14- α sterol demethylase-related genes (*cyp51A* and *cyp51B*) in *Aspergillus fumigatus* and other *Aspergillus* species. *J. Clin. Microbiol.* **39**: 2431-2438
- 99. Meyer, V., Weddle, M. & Stahl, U.** 2002 Transcriptional regulation of the antifungal protein in *Aspergillus giganteus*. *Molec. Genet. Genomics* **266**: 747-757
- 100. Millar, L.J., Heck, I.S., Sloan, J., Kana'n, G.J.M., Kinghorn, J.R. & Unkles, S.E.** 2001 Deletion of the *cnxE* gene encoding the gephyrin-like protein involved in the final stages of molybdenum cofactor biosynthesis in *Aspergillus nidulans*. *Mol. Genet. Genomics* **266**: 445-453
- 101. Momany, M., Richardson, E.A., Van Sickle, C. & Jedd, G.** 2002 Mapping Woronin body position in *Aspergillus nidulans*. *Mycologia* **94**: 260-266
- 102. Monahan, B.J., Fraser, J.A., Hynes, M.J. & Davis, M.A.** 2002 Isolation and characterization of two ammonium permease genes, *meaA* and *mepA*, from *Aspergillus nidulans*. *Euk. Cell* **1**: 85-94
- 103. Monahan, B.J., Unkles, S.E., I, T.T., Kinghorn, J.R., Hynes, M.J. & Davies, M.A.** 2002 Mutation and functional analysis of the *Aspergillus nidulans* ammonium permease MeaA and evidence for interaction with itself and MepA. *Fungal Genet. Biol.* **36**: 35-46
- 104. Moraes, A.M.L., Corrado, M., Holanda, V.L., Costa, G.L., Ziccardi, M., Lourenço-de-Oliveira, R.de & Oliveira, P.C.** 2001 *Aspergillus* from Brazilian mosquitoes: I. Genera *Aedes* and *Culex* from Rio de Janeiro State. *Mycotaxon* **78**: 413-422
- 105. Moralejo, F.J., Watson, A.J., Jeenes, D.J., Archer, D.B. & Martín, J.F.** 2001 A defined level of protein disulphide isomerase expression is required for optimal secretion of thaumatin by *Aspergillus awamori*. *Mol. Genet. Genomics* **266**: 246-253
- 106. Morozov, I.Y., Galbis-Martinez, M., Jones, M.G. & Caddick, M.X.** 2001 Characterization of nitrogen metabolite signalling in *Aspergillus* via the regulated degradation of *areA* mRNA. *Mol. Microbiol.* **42**: 269-277

- 107. Mueller, E., Bailey, A., Corran, A., Michael, A.J. & Bowyer, P.** 2001 Ornithine decarboxylase knockout in *Tapesia yallundae* abolishes infection plaque formation in vitro but does not reduce virulence toward wheat. *Mol. Plant-Microbe Interact.* **14**: 1303-1311
- 108. Müller, C., McIntyre, M., Hansen, K. & Nielsen, J.** 2002 Metabolic engineering of *Aspergillus oryzae* by altering chitin synthesis. *Appl. Env. Microbiol.* **68**: 1827-1836
- 109. Nakaune, R., Hamamoto, H., Imada, J., Akutsu, K. & Hibi, T.** 2002 A novel ABC transporter gene, *PMR5*, is involved in multidrug resistance in the phytopathogenic fungus *Penicillium digitatum*. *Mol. Genet. Genomics* **267**: 179-185
- 110. Naranjo, L., Martin de Valmaseda, E., Bañuelos, O., Lopez, P., Riaño, J., Casqueiro, J. & Martin, J.F.** 2001 Conversion of pipercolic acid into lysine in *Penicillium chrysogenum* requires pipercolate oxidase and saccharopine reductase: characterization of the *lys7* gene encoding saccharopine reductase. *J. Bacteriol.* **183**: 7165-7172
- 111. Narendja, F., Goller, S.P., Wolschek, M. & Strauss, J.** 2002 Nitrate and the GATA factor AreA are necessary for in vivo binding of NirA, the pathway-specific transcriptional activator of *Aspergillus nidulans*. *Mol. Microbiol.* **44**: 573-583
- 112. Nichols, C.E., Cocklin, S., Dodds, A., Ren, J., Lamb, H., Hawkins, A.R. & Stammers, D.K.** 2001 Expression, purification and crystallization of *Aspergillus nidulans* NmrA, a negative regulatory protein involved in nitrogen-metabolite repression. *Acta Crystallographica D-Biol. Crystallography* **57**: 1722-1725
- 113. Nigam, S., Sarma P.V.G.K., Ghosh, P.C. & Sarma, P.U.** 2001 Characterization of *Aspergillus fumigatus* protein disulphide isomerase family gene. *Gene* **281**: 143-150
- 114. Nout, M.J. & Aidoo, K.E.** 2000 Asian fungal food fermentation. *The Mycota, vol X. Industrial applications*, ed. Esser, K. & Bennett, J.W., Springer-Verlag, Berlin, pp. 23-47
- 115. Oberegger, K., Schoeser, M., Zadra, I., Abt, B. & Haas, H.** 2001 SREA is involved in regulation of siderophore biosynthesis, utilization and uptake in *Aspergillus nidulans*. *Mol. Microbiol.* **41**: 1077-1089
- 116. Ohsumi, K., Arioka, M., Nakajima, H. & Kitamoto, K.** 2002 Cloning and characterization of a gene (*avaA*) from *Aspergillus nidulans* encoding a small GTPase involved in vacuolar biogenesis. *Gene* **291**: 77-84
- 117. Ohsumi, K., Matsuda, Y., Nakajima, H. & Kitamoto, K.** 2001 Cloning and characterization of the *cpyA* gene encoding intracellular carboxypeptidase from *Aspergillus nidulans*. *Biosci. Biotechnol. Biochem.* **65**: 1175-1180
- 118. Oshero, N., Kontoyiannis, D.P., Romans, A. & May, G.S.** 2001 Resistance to itraconazole in *Aspergillus nidulans* and *Aspergillus fumigatus* is conferred by extra copies of the *A. nidulans* P-450 14 α -demethylase gene, *pdmA*. *J. Antimicrob. Chemother.* **48**: 75-81
- 119. Park, S.-M.** 2001 Improved transformation of the filamentous fungus *Aspergillus niger* using *Agrobacterium tumefaciens*. *Mycobiol.* **29**: 132-134
- 120. Peñalva, M.A.** 2001 A fungal perspective on human inborn errors of metabolism: alkaptonuria and beyond. *Fungal Genet. Biol.* **34**: 1-10

- 121. Prigozhina, N.L., Walker, R.A., Oakley, C.E. & Oakley, B.R.** 2001 γ -tubulin and the C-terminal motor domain kinesin-like protein, KLPA, function in the establishment of spindle bipolarity in *Aspergillus nidulans*. *Mol. Biol. Cell* **12**: 3161-3174
- 122. Quaglia, M.G., Donati, E., Desideri, N., Fanali, S., D'Auria, F.D. & Tecca, M.** 2002 Chiral discrimination by HPLC and CE and antifungal activity of racemic fenticonazole and its enantiomers. *Chirality* **14**: 449-454
- 123. Rath, P.-M.** 2001 Phenotypic and genotypic characterization of reference strains of the genus *Aspergillus*. *Mycoses* **44**: 65-72
- 124. Requena, N., Alberti-Segui, C., Winzenburg, E., Horn, C., Schliwa, M., Philippsen, P., Liese, R. & Fischer, R.** 2001 Genetic evidence for a microtubule-destabilizing effect of conventional kinesin and analysis of its consequences for the control of nuclear distribution in *Aspergillus nidulans*. *Mol. Microbiol.* **42**: 121-132
- 125. Ribard, C., Scazzocchio, C. & Oestreicher, N.** 2001 The *oxpA5* mutation of *Aspergillus nidulans* is an allele of *adb*, the gene encoding adenylosuccinate synthetase. *Mol. Genet. Genomics* **266**: 701-710
- 126. Rodríguez-Sáiz, M., Barredo, J.L., Moreno, M.A., Fernández-Cañón, J.M., Peñalva, M.A. & Díez, B.** 2001 Reduced function of a phenylacetate-oxidizing cytochrome P450 caused strong genetic improvement in early phylogeny of penicillin-producing strains. *J. Bacteriol.* **183**: 5465-5471
- 127. Rodríguez-Trelles, F., Tarrío, R. & Ayala, F.J.** 2001 Xanthine dehydrogenase (XDH): episodic evolution of a "neutral" protein. *J. Mol. Evol.* **53**: 485-495
- 128. Rohde, M., Shwienbacher, M., Nikolaus, T., Heesemann, J. & Ebel, F.** 2002 Detection of early phase specific surface appendages during germination of *Aspergillus fumigatus* conidia. *FEMS Microbiol. Lett.* **206**: 99-105
- 129. Roslan, H.A., Salter, M.G., Wood, C.D., White, M.R.H., Croft, K.P., Robson, F., Coupland, G., Doonan, J., Laufs, P., Tomsett, A.B. & Caddick, M.X.** 2001 Characterization of the ethanol-inducible *alc* gene-expression system in *Arabidopsis thaliana*. *Plant J.* **28**: 225-235
- 130. Ruijter, G.J.G., Kubicek, C.P. & Visser, J.** 2002 Production of organic acids by fungi. *The Mycota, vol X. Industrial applications*, ed. Esser, K. & Bennett, J.W., Springer-Verlag, Berlin, pp. 213-230
- 131. Sandhu, S.S., Kinghorn, J.R., Rajak, R.C. & Unkles, S.E.** 2001 Transformation system of *Beauveria bassiana* and *Metarhizium anisopliae* using nitrate reductase gene of *Aspergillus nidulans*. *Ind. J. Exp. Biol.* **39**: 650-653
- 132. Santos, M., Rebordinos, L., Gutiérrez, S., Cardoza, R.-E., Martín, J.-F. & Cantoral, J.-M.** 2001 Characterization of the *gdhA* gene from the phytopathogen *Botrytis cinerea*. *Fungal Genet. Biol.* **34**: 193-206
- 133. Schmidt, F.R.** 2000 Beta-lactam antibiotics. *The Mycota, vol X. Industrial applications*, ed. Esser, K. & Bennett, J.W., Springer-Verlag, Berlin, pp. 69-91
- 134. Schuren, J.H.F.** 2000 Heterologous protein production. *The Mycota, vol X. Industrial applications*, ed. Esser, K. & Bennett, J.W., Springer-Verlag, Berlin, pp. 389-403
- 135. Semighini, C.P., Marins, M., Goldman, M.H.S. & Goldman, G.H.** 2002 Quantitative analysis of the relative transcript levels of ABC transporter *atr* genes in *Aspergillus nidulans* by real-time reverse transcription-PCR assay. *Appl. Env. Microbiol.* **68**: 1351-1357

- 136. Shanmugam, K., Subrahmanyam, S., Tarakad, S.V., Kodandapani, N. & Stanly, D'S.F.** 2001 2,4-Toluene diamines-their carcinogenicity, biodegradation, analytical techniques and an approach towards development of biosensors. *Analyt. Sci.* **17**: 1369-1374
- 137. Sharpless, K.E. & Harris, S.D.** 2002 Functional characterization and localization of the *Aspergillus nidulans* formin SEPA. *Mol. Biol. Cell* **13**: 469-479
- 138. Shaw, B.D., Momany, C. & Momany, M.** 2002 *Aspergillus nidulans* *swoF* encodes an N-myristoyl transferase. *Euk. Cell* **1**: 241-248
- 139. Solem, A., Chatterjee, P. & Caprara, M.G.** 2002 A novel mechanism for protein-assisted group I intron splicing. *RNA (New York)* **8**: 412-425
- 140. Stahmann, K.-P., Arst, H.N.Jr., Althöfer, H., Revuelta, J.L., Monschau, N., Schlüpen, C., Gätgens, C., Wiesenburg, A. & Schlösser, T.** 2001 Riboflavin, overproduced during sporulation of *Ashbya gossypii*, protects its hyaline spores against ultraviolet light. *Env. Microbiol.* **3**: 545-550
- 141. Strittmatter, A.W., Irniger, S. & Braus, G.H.** 2001 Induction of *jlbA* mRNA synthesis for a putative bZIP protein of *Aspergillus nidulans* by amino acid starvation. *Curr. Genet.* **39**: 327-334
- 142. Swart, K., Debets, A.J.M., Bos, C.J., Slakhorst, M., Holub, E.F. & Hoekstra, R.F.** 2001 Genetic analysis in the asexual fungus *Aspergillus niger*. *Acta Biol. Hung.* **52**: 335-343
- 143. Szewczyk, E., Andrianopoulos, A., Davis, M.A. & Hynes, M.J.** 2001 A single gene produces mitochondrial, cytoplasmic, and peroxisomal NADP-dependent isocitrate dehydrogenase in *Aspergillus nidulans*. *J. Biol. Chem.* **276**: 37722-37729
- 144. Tanaka, A., Kato, M., Nagase, T., Kobayashi, T. & Tsukagoshi, N.** 2002 Isolation of genes encoding novel transcription factors which interact with the Hap complex from *Aspergillus* species. *Biochim. Biophys. Acta* **1576**: 176-182
- 145. Tani, S., Itoh, T., Kato, M., Kobayashi, T. & Tsukagoshi, N.** 2001 *In vivo* and *in vitro* analyses of the AmyR binding site of the *Aspergillus nidulans* *agdA* promoter; requirement of the CGG direct repeat for induction and high affinity binding of AmyR. *Biosci. Biotechnol. Biochem.* **65**: 1568-1574
- 146. Thammarongtham, C., Turner, G., Moir, A.J., Tanticharoen, M. & Cheevadhanarak, S.** 2001 A new class of glutaminase from *Aspergillus oryzae*. *J. Mol. Microbiol. Biotechnol.* **3**: 611-617
- 147. Toda, T., Sano, M., Honda, M., Rimoldi, O.J., Yang, Y., Yamamoto, M., Takase, K., Hirozumi, K., Kitamoto, K., Minetoki, T., Gomi, K. & Machida, M.** 2001 Deletion analysis of the enolase (*enoA*) promoter from the filamentous fungus *Aspergillus oryzae*. *Curr. Genet.* **40**: 260-267
- 148. Unkles, S.E., Zhou, D., Siddiqi, M.Y., Kinghorn, J.R. & Glass, A.D.M.** 2001 Apparent genetic redundancy facilitates ecological plasticity for nitrate transport. *EMBO J.* **20**: 6246-6255
- 149. Vitale, R.G., Mouton, J.W., Afeltra, J., Meis, J.F.G.M. & Verweij, P.E.** 2002 Method for measuring postantifungal effect in *Aspergillus* species. *Antimicrob. Agents Chemother.* **46**: 1960-1965

- 150. Vujanovic, V., Smoragiewicz, W. & Krzysztyniak, K.** 2001 Airborne fungal ecological niche determination as one of the possibilities for indirect mycotoxin risk assessment in indoor air. *Environ. Toxicol.* **16**:1-8
- 151. Waalwijk, C., Mendes, O., Verstappen, E.C.P., de Waard, M.A. & Kema, G.H.J.** 2002 Isolation and characterization of the mating-type idiomorphs from the wheat septoria leaf blotch fungus *Mycosphaerella graminicola*. *Fungal Genet. Biol.* **35**: 277-286
- 152. Wasylka, J.A., Simmer, M.I. & Moore, M.M.** 2001 Differences in sialic acid density in pathogenic and non-pathogenic *Aspergillus* species. *Microbiology* **147**: 869-877
- 153. Watanabe, A. & Ebizuka, Y.** 2002 A novel hexaketide naphthalene synthesized by a chimeric polyketide synthase composed of fungal pentaketide and heptaketide synthases. *Tetrahedron Lett.* **43**: 843-846
- 154. Wei, H., Scherer, M., Singh, A., Liese, R. & Fischer, R.** 2001 *Aspergillus nidulans* α -1,3 glucanase (mutanase), *mutA*, is expressed during sexual development and mobilizes mutan. *Fungal Genet. Biol.* **34**: 217-227
- 155. Wendland, J.** 2001 Comparison of morphogenetic networks of filamentous fungi and yeasts. *Fungal Genet. Biol.* **34**: 63-82
- 156. Westermann, B. & Prokisch, H.** 2002 Mitochondrial dynamics in filamentous fungi. *Fungal Genet. Biol.* **36**: 91-97
- 157. Westfall, P.J. & Momany, M.** 2002 *Aspergillus nidulans* septin AspB plays pre- and postmitotic roles in septum, branch, and conidiophore development. *Mol. Biol. Cell* **13**: 110-118
- 158. Yoon, J.H., Seong, K.Y., Chae, S.-K. & Kang, H.S.** 2001 UVSC of *Aspergillus nidulans* is a functional homolog of RAD51 in yeast. *J. Biochem. Mol. Biol.* **34**: 428-433
- 159. Zeilinger, S., Ebner, A., Marosits, T., Mach, R. & Kubicek, C.P.** 2001 The *Hypocrea jecorina* HAP 2/3/5 protein complex binds to the inverted CCAAT-box (ATTGG) within the *cbh2* (cellobiohydrolase II-gene) activating element. *Mol. Genet. Genomics* **266**: 56-63
- 160. Zhang, J., Han, G. & Xiang, X.** 2002 Cytoplasmic dynein intermediate chain and heavy chain are dependent upon each other for microtubule end localization in *Aspergillus nidulans*. *Mol. Microbiol.* **44**: 381-392
- 161. Zhao, J., Kong, F., Li, R., Wang, X., Wan, Z. & Wang, D.** 2001 Identification of *Aspergillus fumigatus* and related species by nested PCR targeting ribosomal DNA internal transcribed spacer regions. *J. Clin. Microbiol.* **39**: 2261-2266
- 162. Zimmermann, M. & Wolf, K.** 2000 Biosorption of metals. *The Mycota, vol X. Industrial applications*, ed. Esser, K. & Bennett, J.W., Springer-Verlag, Berlin, pp. 355-364
- 163. Ziogas, B.N. & Kalamarakis, A.E.** 2001 Phenylpyrrole fungicides: Mitotic instability in *Aspergillus nidulans* and resistance in *Botrytis cinerea*. *J. Phytopathol. (Berlin)* **149**: 301-308
- 164. Zuber, S., Hynes, M.J. & Andrianopoulos, A.** 2002 G-protein signaling mediates asexual development at 25°C but has no effect on yeast-like growth at 37°C in the dimorphic fungus *Penicillium marneffei*. *Euk. Cell* **1**: 440-447

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Xylene degradation 93

Zinc binuclear cluster 18 37 93 145

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Superscripts:

^c Sequence comparison

^e Expression of heterologous gene in *Aspergillus*

^h *Aspergillus* gene expressed elsewhere

^s Sequence or clone

^t Transformation selected marker)

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A. nidulans

abaA 54
acuF 64
adB 125^s
agdA 145^s
agdB 73^s
alcR 18 40 129^h
amcA 115
amyR 145
arcA 37^s
areA 111
aroC 58
artA 78
asgA 55
aspB 55 157
atrA-D 135
aurA 20
avaA 116
bimB 11^c
bimC 121
brlA 54 91
bzuA 42^s
caM 68
chsB 65
chsD 26
chsE(chsD) 65

cmkB 41^c
cnxE 57 100^s
[cobA] 139
cpcA 60
cpyA 117^s
creA 4
creB 88
creC 88
crnA 148
cyaA 38
cycA 12

digA 44
eRF1 (?) 66^s
facB 9^c
fadA 164^c
fahA 120
flbC 24^c
flbD 74
fluG 92
glnA 92^s
gmdA 42^s
gstA 43^s
hapB,C,E 71 72 144 159
hapE 159^c

hapX 144^s
helA 125^s
hmgA 120
hogA 53
hxB 6^c
idpA 143^s
imaB,C,D,G,H 135
jlbA 141^s
kinA 124^s
klpA 121
kpcA 82^s
lcbA 20^s
maiA 120
meaA 102^s 103
medA 25 91
mepA 102^s 103
metE 50^s
mipA 69 121
mirA 115^s
mkkA 53^s
msnA 53^s
mus 46
musN 62^s
mutA 154^s
myoA 87

niaD 111 131^t

nimT 77

nimX 55

nirA 111

nmrA 112

nrtA=crnA 148

nrtB 148^s

nudC 29

nudE 61

nudF 61

nudI 160^s

nuv 46

odeA 19

orqQ 62

oxpA=adB 125^s

pacC 35

palI 151^c

pbsA 53^s

pdmA 118

pepP 67^s

phacA 126^c

phsB 26^s

pkaA 38

pmA 53^s

prnA 47
ptpA 53^s
puA 107
rasA 38
rnrA 77^s
schA 38^s
sepA 55 137
sepH 15
sfdA,B 74
shoA 53^s
skoA 53^s
slnA 53^s
sntA-C 77
sodC 84
sskA 53^s
stcZ 34
steB 53^s
swoF 138^s
tcsA 36^c
tpsA 39^s
uap 5
uvs 46
uvsC 158^h
veA 19
wA 153

xlnA,B 16

xlnC 90

A. awamori

pdiA 105

A. fumigatus

AFHK 1^s 36

cyp51A,B 98

PMA1 17

sC 30st

tigA 113^s

A. giganteus

afp 99^s

A. niger

areA 86

bipA 22

clxA 22

cypA 32

cypB 33

goxC 16

tigA 113^c

A. oryzae

alpha amylase 4 6

chsB 108

cnaA 70

csmA 108

enoA 147

glutaminase 146^c

hapX 144^c

ptrA 79^t

taa 71^c

vmaA 81^s

xlnR 93^s

A. parasiticus

nor-1 21

A. restrictus

res 13^c

Botrytis cinerea

gdhA 132^{sc}

Colletotrichum lagenarium

pks1 153

Hypocrea jecorian

cbh2 159

hap2,3,5 159^c

Neurospora crassa

facB 9^s

hapX 144

Penicillium chrysogenum

aox 63^s

lys1 8

lys7 110^s

pahA 126

P. digitatum

PMR5 109^s

P. marneffei

gasA 164

stuA 10

Podospora anserina

fle1 24^s

Saccharomyces cerevisiae

aro7 58

RAD51 158^c

Schizosaccharomyces japonicus

cut-1 11

S. pombe

pcp1 41^c

rad24 78^c

rph51 158

Tapesia yalundae

ODC1 107^e

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Caenorhabditis elegans

nud-1 29^c

Drosophila melanogaster

xanthine dehydrogenase 2^c

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moeA 57

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