

Aspergillus Bibliography 2006

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Aspergillus Bibliography 2006

Abstract

This bibliography attempts to cover genetical and biochemical publications on *Aspergillus nidulans* and also includes selected references to related species and topics. Entries have been checked as far as possible, but please tell me of any errors and omissions. Authors are kindly requested to send a copy of each article to the FGSC for its reprint collection.

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1. **Arvas, M., Pakula, T., Lanthaler, K., Saloheimo, M., Valkonen, M., Suortti, T., Robson, G. & Penttilä, M.** 2006 Common features and interesting differences in transcriptional responses to secretion stress in the fungi *Trichoderma reesei* and *Saccharomyces cerevisiae*. *BMC Genomics* **7**:32.
 2. **Balajee, S.A., Nickle, D., Varga, J. & Marr, K.A.** 2006 Molecular studies reveal frequent misidentification of *Aspergillus fumigatus* by morphotyping. *Eukaryot. Cell* **5**:1705-1712
 3. **Bauer, S., Vasu, P., Mort, A.J. & Somerville, C.R.** 2006 Cloning, expression, and characterization of an oligoxyloglucan reducing end-specific xyloglucanobiohydrolase from *Aspergillus nidulans*. *Carbohydr. Res.* **340**:2590-2597
 4. **Bauer, S., Vasu, P., Persson, S., Mort, A.J. & Somerville, C.R.** 2006 Development and application of a suite of polysaccharide-degrading enzymes for analyzing plant cell walls. *Proc. Natl Acad. Sci. USA* **103**:11417-11422
 5. **Berger, H., Pachlinger, R., Morozov, I., Goller, S., Narendja, F., Caddick, M. & Strauss, J.** 2006 The GATA factor AreA regulates localization and in vivo binding site occupancy of the nitrate activator NirA. *Mol. Microbiol.* **59**:433-546
 6. **Bhabhra, R., Zhao, W., Rhodes, J.C. & Askew, D.S.** 2006 Nucleolar localization of *Aspergillus fumigatus* CgrA is temperature-dependent. *Fungal Genet. Biol.* **43**: 1-7
 7. **Blumenstein, A., Vienken, K., Tasler, R., Purschwitz, J., Veith, D., Frankenberg-Dinkel, N. & Fischer, R.** 2005 The *Aspergillus nidulans* phytochrome FphA represses sexual development in red light. *Curr. Biol.* **15**:1833-1838 [see also comment by Idnurm & Heitman, below]
 8. **Bok, J.W., Balajee, S.A., Marr, K.A., Andes, D., Nielsen, K.F., Frisvad, J.C. & Keller, N.P.** 2005 LaeA, a regulator of morphogenetic fungal virulence factors. *Eukaryot. Cell* **4**:1574-1582
 9. **Bok, J.W., Hoffmeister, D., Maggio-Hall, L.A., Murillo, R., Glasner, J.D. & Keller, N.P.** 2006 Genomic mining for *Aspergillus* natural products. *Chem. Biol.* **13**:31-37
 10. **Bok, J.W., Noordermeer, D., Kale, S.P. & Keller, N.P.** 2006 Secondary metabolic gene cluster silencing in *Aspergillus nidulans*. *Mol. Microbiol.* **61**:1636-1645
 11. **Brock, M.** 2005 Generation and phenotypic characterization of *Aspergillus nidulans* methylisocitrate lyase deletion mutants: methylisocitrate inhibits growth and conidiation. *Appl. Env. Microbiol.* **71**:5465-5475
 12. **Butler, M.I., Gray, J., Goodwin, T.J.D. & Poulter, R.T.M.** 2006 The distribution and evolutionary history of the PRP8 intein. *BMC Evol. Biol.* **6**:42
 13. **Caddick, M.X., Jones, M.G., van Tonder, J.M., Le Cordier, H., Narendja, F., Strauss, J. & Morozov, I.Y.** 2006 Opposing signals differentially regulate transcript stability in *Aspergillus nidulans*. *Mol. Microbiol.* **62**:509-519
 14. **Castillo, N.I., Fierro, F., Gutiérrez, S. & Martín, J.F.** 2006 Genome-wide analysis of differentially expressed genes from *Penicillium chrysogenum* grown with a repressing or a non-repressing carbon

source. *Curr. Genet.* **49**:85-96

15. Chabane, S., Sarfati, J., Ibrahim-Granet, O., Du, C., Schmidt, C., Mouyna, I., Prevost, M.-C., Calderone, R. & Latgé, J.-P. 2006 Glycosylphosphatidylinositol-anchored Ecm33p influences conidial cell wall biosynthesis in *Aspergillus fumigatus*. *Appl. Env. Microbiol.* **72**:3259-3267
16. Chang, P.-K., Horn, B.W. & Dorner, J.W. 2005 Sequence breakpoints in the aflatoxin biosynthesis cluster and flanking regions in nonaflatoxigenic *Aspergillus flavus* isolates. *Fungal Genet. Biol.* **42**:914-923
17. Coyle, C.M. and Panaccione, D.G. 2005 An ergot alkaloid biosynthesis gene and clustered hypothetical genes from *Aspergillus fumigatus*. *Appl. Env. Microbiol.* **71**: 3112-3118.
18. Cramer, R.A.Jr., Gamcsik, M.P., Brooking, R.M., 2006 Disruption of a nonribosomal peptide synthetase in *Aspergillus fumigatus* eliminates gliotoxin production. *Eukaryot. Cell* **5**:972-980
19. Davé, A., Jeenes, D.J., Mackenzie, D.A. & Archer, D.B. 2006 HacA-independent induction of chaperone-encoding gene *bipA* in *Aspergillus niger* strains overproducing membrane proteins. *Appl. Env. Microbiol.* **72**: 953-955
20. De Maeseneire, S.L., De Groeve, M.R.M., Dauvrin, T., De Mey, M., Soetaert, W. & Vandamme, E.J. 2006 Cloning, sequence analysis and heterologous expression of the *Myrothecium gramineum* orotidine-5'-monophosphate decarboxylase gene. *FEMS Microbiol. Lett.* **261**:262-271,
21. de Waard, M.A., Andrade, A.C., Hayashi, K., Schoonbeek, H.-J., Stergiopoulos, I. & Zwiars, L.-H. 2006 Impact of fungal drug transporters on fungicide sensitivity, multidrug resistance and virulence. *Pest Manag. Sci.* **62**:195-207
22. Do, H.J., Park, Y.-K. & Choi, D.-K. 2005 A computational approach to the inference of sphingolipid pathways from the genome of *Aspergillus fumigatus*. *Curr. Genet.* **48**:134-141
23. Douglas, L.M., Alvarez, F.J., McCreary, C. & Konopka, J.B. 2005 Septin function in yeast model systems and pathogenic fungi. *Eukaryot. Cell* **4**:1503-1512
24. Ebel, F., Schwienbacher, M., Beyer, J., Heesemann, J., Brakhage, A.A. & Brock, M. 2006 Analysis of the regulation, expression, and localisation of the isocitrate lyase from *Aspergillus fumigatus*, a potential target for antifungal drug development. *Fungal Genet. Biol.* **43**: 475-489
25. Efimov, V.P., Zhang, J. & Xiang, X. 2006 CLIP-170 homologue and NUDE play overlapping roles in NUDF localization in *Aspergillus nidulans*. *Mol. Biol. Cell* **17**:2021-2034
26. Eisendle, M., Schrettl, M., Kragl, C., Müller, D., Illmer, P. & Haas, H. 2006 The intracellular siderophore ferrocrocin is involved in iron storage, oxidative-stress resistance, germination, and sexual development in *Aspergillus nidulans*. *Eukaryot. Cell* **5**:1596-1603
27. Emri, T., Molnár, Z. & Pócsi, I. 2005 The appearances of autolytic and apoptotic markers are concomitant but differently regulated in carbon-starving *Aspergillus nidulans* cultures. *FEMS Microbiol. Lett.* **251**:297-303
28. Erpapazoglou, Z., Kafasla, P. & Sophianopoulou, V. 2006 The product of the *SHR3* orthologue of *Aspergillus nidulans* has restricted range of amino acid transporter targets. *Fungal Genet. Biol.* **43**:222-233, Erratum: **43**: 667.
29. Espeso, E.A., Cobeño, L. & Arst, H.N.Jr. 2005 Discrepancies between recombination frequencies and physical distances in *Aspergillus nidulans*: implications for gene identification. *Genetics.* **171**:835-838
30. Ferreira, M.E. da S., Kress, M.R.V.Z., Savoldi, M., Goldman, M.H.S., Härtl, A., Heinekamp, T., Brakhage, A.A. & Goldman, G.H., 2006 The *akuB*^{KU80} mutant deficient for nonhomologous end joining is a powerful tool for analyzing pathogenicity in *Aspergillus fumigatus*. *Eukaryot. Cell* **5**:207-211
31. Ferreira, M.E. da S., Malavazi, I., Savoldi, M., Brakhage, A.A., Goldman, M.H.S., Kim, H.S., Nierman, W.C. & Goldman, G.H. 2006 Transcriptome analysis of *Aspergillus fumigatus* exposed to voriconazole. *Curr. Genet.* **50**:32-44
32. Ferreira, M.E. da S., Solvadi, M., Bonato, P.S., Goldman, M.H.S. & Goldman, G.H. 2006 Fungal metabolic model for tyrosinemia type3: molecular characterization of a gene encoding a 4-hydroxy-phenyl pyruvate dioxygenase from *Aspergillus nidulans*. *Eukaryot. Cell* **5**:1441-1445
33. Fierro, F., García-Estrada, C., Castillos, N.I., Rodriguez, R., Velasco-Conde, T. & Martín, J.-F. 2006 Transcriptional and bioinformatic analysis of the 56.8 kb DNA region amplified in tandem repeats containing the penicillin gene cluster in *Penicillium chrysogenum*. *Fungal Genet. Biol.* **43**: 618-629

34. **Fitzgibbon, G.J., Morozov, I.Y., Jones, M.G. & Caddick, M.X.** 2005 Genetic analysis of the TOR pathway in *Aspergillus nidulans*. Eukaryot. Cell **4**:1595-1598
35. **Flippi, M., Robellet, X., Dequier, E., Leschelle, X., Felenbok, B. & Velot, C.** 2006 Functional analysis of *alcS*, a gene of the *alc* cluster in *Aspergillus nidulans*. Fungal Genet. Biol. **43**:247-260
36. **Forment, J.V., Flippi, M., Ramón, D., Ventura, L. & MacCabe, A.P.** 2006 Identification of the *mstE* gene encoding a glucose-inducible, low affinity glucose transporter in *Aspergillus nidulans*. J. Biol. Chem. **281**:8339-8346
37. **Forment, J.V., Ramón, D. & MacCabe, A.P.** 2006 Consecutive gene deletions in *Aspergillus nidulans*: application of the Cre/lox system. Curr. Genet. **50**:217-224
38. **Fortwendel, J.R., Zhao, W., Bhabhra, R., Park, S., Perlin, D.S., Askew, D.S. & Rhodes, J.C.** 2005 A fungus-specific Ras homolog contributes to the hyphal growth and virulence of *Aspergillus fumigatus*. Eukaryot. Cell **4**:1982-1989
39. **Galagan, J.E., Calvo, S.E., Cuomo, C., Ma, L.J., Wortman, J.R., Batzoglou, S., Lee, S.I., Basürkmen, M., Spevak, C.C., Clutterbuck, J., Kapitonov, V., Jurka J., Scazzocchio, C., Farman, M., Butler, J., Purcell, S., Harris, S., Braus, G.H., Draht, O., Busch, S., D'Enfert, C., Bouchier, C., Goldman, G.H., Bell-Pedersen, D., Griffiths-Jones, S., Doonan, J.H., Yu, J., Vienken, K., Pain, A., Freitag, M., Selker, E.U., Archer, D.B., Peñalva, M.Á., Oakley, B.R., Momany, M., Tanaka, T., Kumagai, T., Asai, K., Machida, M., Nierman, W.C., Denning, D.W., Caddick, M., Hynes, M., Paoletti, M., Fischer, R., Miller, B., Dyer, P., Sachs, M.S., Osmani, S.A. & Birren, B.W.** 2005 Sequencing of *Aspergillus nidulans* and comparative analysis with *A. fumigatus* and *A. oryzae*. Nature. **438**:1105-1115.
40. **Goffeau, A.** 2005 Multiple molds. Nature **438**:1092-1093
41. **Goncalves, R. de C.R. & Pombeiro-Sponchiado, S.R.** 2005 Antioxidant activity of the melanin pigment extracted from *Aspergillus nidulans*. Biol. Pharm. Bull. **28**:1129-1131
42. **Greenstein, S., Shadkchan, Y., Jadoun, J., Sharon, C., Markovich, S. & Osherov, N.** 2006 Analysis of the *Aspergillus nidulans* thaumatin-like *cetA* gene and evidence for transcriptional repression of *pyr4* expression in the *cetA*-disrupted strain. Fungal Genet. Biol. **43**: 42-53
43. **Han, K.-H., Kim, J.H., Kim, W.-S. & Han, D.-M.** 2005 The *snpA*, a temperature-sensitive suppressor of *npgA1*, encodes the eukaryotic translation release factor, eRF1, in *Aspergillus nidulans*. FEMS Microbiol. Lett. **251**:155-160
44. **Herranz, S., Rodríguez, J.M., Bussink, H.-J., Sánchez-Ferrero, J.C., Arst, H.N. Jr., Peñalva, M.A. & Vincent, O.** 2005 Arrestin-related proteins mediate pH signaling in fungi. Proc. Natl Acad. Sci. USA **102**:12141-12146
45. **Herrmann, M., Spröte, P. & Brakhage, A.A.** 2006 Protein kinase C (PkcA) of *Aspergillus nidulans* is involved in penicillin production. Appl. Env. Microbiol. **72**: 2957-2970
46. **Higuchi, Y., Nakahama, T., Shoji, J.-Y., Arioka, M. & Kitamoto, K.** 2006 Visualization of the endocytic pathway in the filamentous fungus *Aspergillus oryzae* using an EGFP-fused plasma membrane protein. Biochem. Biophys. Res. Commun. **340**:784-791
47. **Hisada, H., Hata, Y., Kawato, A., Abe, Y. & Akita, O.** 2005 Cloning and expression analysis of two catalase genes from *Aspergillus oryzae*. J. Biosci. Bioeng. **99**:562-568
49. **Hong, S., Horiuchi, H. & Ohta, A.** 2005 Identification and molecular cloning of a gene encoding Phospholipase A2 (*plaA*) from *Aspergillus nidulans*. Biochim. Biophys. Acta **1735**:222-229
50. **Hynes, M.J., Murray, S.L., Duncan, A., Khew, G.S. & Davis, M.A.** 2006 Regulatory genes controlling fatty acid catabolism and peroxisomal functions in the filamentous fungus *Aspergillus nidulans*. Eukaryot. Cell **5**:794-805
51. **Ichinomiya, M., Ohta, A. & Horiuchi, H.** 2005 Expression of asexual developmental regulator gene *abaA* is affected in the double mutants of classes I and II chitin synthase genes, *chsC* and *chsA*, of *Aspergillus nidulans*. Curr. Genet. **48**:171-183
52. **Idnurm, A. & Heitman, J.** 2005 Photosensing fungi: phytochrome in the spotlight.[comment on Blumenstein *et al.* see above]. Curr. Biol. **15**:R829-832
53. **Illmer, P., Buttlinger, R.** 2006 Interactions between iron availability, aluminium toxicity and fungal siderophores. BioMetals **19**:367-377
54. **Ishi, K., Watanabe, T., Juvvadi, P.R., Maruyama, J. & Kitamoto, K.** 2005 Development of a

modified positive selection medium that allows to isolate *Aspergillus oryzae* strains cured of the integrated *niaD*-based plasmid. Biosci. Biotechnol. Biochem. **69**:2463-2465

- 55. Jin, Y., Weining, S. & Nevo, E.** 2005 A MAPK gene from Dead Sea fungus confers stress tolerance to lithium salt and freezing-thawing: prospects for saline agriculture. Proc. Natl Acad. Sci. USA **102**:18992-18997
- 56. Johns, S.A., Leeder, A.C., Safaie, M. & Turner, G.** 2006 Depletion of *Aspergillus nidulans cotA* causes a severe polarity defect which is not suppressed by the nuclear migration mutation *nuda2*. Mol. Gen. Genomics **275**:593-604
- 57. Juvvadi, P.R., Seshime, Y. & Kitamoto, K.** 2005 Genomics reveals traces of fungal phenylpropanoid-flavonoid metabolic pathway in the filamentous fungus *Aspergillus oryzae*. J. Microbiol. **43**:475-486
- 58. Katz, M.E., Gray, K.-A. & Cheetham, B.F.** 2006 The *Aspergillus nidulans xprG (phoG)* gene encodes a putative transcriptional activator involved in the response to nutrient limitation. Fungal Genet. Biol. **43**:190-199.
- 59. Kikuma, T., Ohneda, M., Arioka, M. & Kitamoto, K.** 2006 Functional analysis of the *ATG8* homologue *Aoatg8* and role of autophagy in differentiation and germination in *Aspergillus oryzae*. Eukaryot. Cell **5**:1328-1336
- 60. Kim, J.-M., Lu, L., Shao, R., Chin, J. & Liu, B.** 2006 Isolation of mutations that bypass the requirement of the septation initiation network for septum formation and conidiation in *Aspergillus nidulans*. Genetics **173**:685-696
- 61. Kniemeyer, O., Lessing, F., Schneibner, O., Hertweck, C. & Brakhage, A.A.** 2006 Optimisation of a 2-D gel electrophoresis protocol for the human pathogenic fungus *Aspergillus fumigatus*. Curr. Genet. **49**:178-189
- 62. Krantz, M., Becit, E. & Hohmann, S.** 2006 Comparative genomics of the HOG-signalling system in fungi. Curr. Genet. **49**:137-151
- 63. Krappmann, S., Jung, N., Medi, B., Busch, S., Prade, R.A. & Braus, G.H.** 2006 The *Aspergillus nidulans* F-box protein GrrA links SCF activity to meiosis. Mol. Microbiol. **61**:76-88
- 64. Krappmann, S., Sasse, C. & Braus, G.H.** 2006 Gene targeting in *Aspergillus fumigatus* by homologous recombination is facilitated in a nonhomologous end-joining-deficient genetic background. Eukaryot. Cell **5**:212-215
- 65. Kupfahl, C., Heinekamp, T., Geginat, G., Ruppert, T., Härtl, A., Hof, H. & Brakhage, A.A.** 2006 Deletion of the *gliP* gene of *Aspergillus fumigatus* results in loss of gliotoxin production but has no effect on virulence of the fungus in a low-dose mouse infection model. Mol. Microbiol. **62**:292-302
- 66. Lafon, A., Han, K.-H., Seo, J.-A., Yu, J.-H. & d'Enfert, C.** 2006 G-protein and cAMP-mediated signaling in aspergilli: a genomic perspective. Fungal Genet. Biol. **43**:490-502
- 67. Lafon, A., Seo, J.-A., Han, K.-H., Yu, J.-H. & d'Enfert, C.** 2005 The heterotrimeric G-protein GanB(a)-SfaD(b)-GpgA(g) is a carbon source sensor involved in early cAMP-dependent germination in *Aspergillus nidulans*. Genetics **171**:71-80
- 68. Lee, B.-Y., Han, S.-Y., Choi, H.G., Kim, J.H., Han, K.-H. & Han, D.-M.** 2005 Screening of growth- or development-related genes by using genomic library with inducible promoter in *Aspergillus nidulans*. J. Microbiol. **43**:523-528
- 69. Lenobel, R., Sebela, M. & Frébort, I.** 2005 Mapping the primary structure of copper/topaquinone-containing methylamine oxidase from *Aspergillus niger*. Folia Microbiol. **50**:401-408
- 70. Li, S., Du, L., Yuen, G. & Harris, S.D.** 2006 Distinct ceramide synthases regulate polarized growth in the filamentous fungus *Aspergillus nidulans*. Mol. Biol. Cell **17**:1218-1227
- 71. Li, W., Rehmeier, C.J., Staben, C. & Farman, M.L.** 2005 TERMINUS – Telomeric end-read mining in unassembled sequences. Bioinformatics **21**:1695-1698
- 72. Lima, J.F., Malavazi, I., von Zeska Kress Fagundes, M.R., Savoldi, M., Goldman, M.H., Schwier, E., Braus, G.H. & Goldman, G.H.** 2005 The *csnD/csnE* signalosome genes are involved in the *Aspergillus nidulans* DNA damage response. Genetics **171**:1003-1015
- 73. Liu, M., Healy, M.D., Dougherty, B.A., Esposito, K.M., Maurice, T.C., Mazzucco, C.E., Bruccoleri, R.E., Davison, D.B., Frosco, M., Barrett, J.F. & Wang, Y.-K.** 2006 Conserved fungal genes as potential targets for broad-spectrum antifungal drug discovery. Eukaryot. Cell **5**:638-649

- 74. Liu, Y. & Bell-Pedersen, D.** 2006 Circadian rhythms in *Neurospora crassa* and other fungi. *Eukaryot. Cell* **5**:1184-1193
- 75. Lombardi, L.M. & Brody, S.** 2005 Circadian rhythms in *Neurospora crassa*: clock gene homologues in fungi. *Fungal Genet. Biol.* **42**:887-892
- 76. Lutz, M.V., Bovenberg, R.A.L., van der Klei, I.J. & Veenhuis, M.** 2005 Synthesis of *Penicillium chrysogenum* acetyl-CoA:isopenicillin N acyltransferase in *Hansenula polymorpha*: first step towards the introduction of a new metabolic pathway. *FEMS Yeast Res.* **5**:1063-1067
- 77. Machida, M., Asai, K., Sano, M., Tanaka, T., Kumagai, T., Terai, G., Kusumoto, K., Arima, T., Akita, O., Kashiwagi, Y., Abe, K., Gomi, K., Horiuchi, H., Kitamoto, K., Kobayashi, T., Takeuchi, M., Denning, D.W., Galagan, J.E., Nierman, W.C., Yu, J., Archer, D.B., Bennett, J.W., Bhatnagar, D., Cleveland, T.E., Fedorova, N.D., Gotoh, O., Horikawa, H., Hosoyama, A., Ichinomiya, M., Igarashi, R., Iwashita, K., Juvvadi, P.R., Kato, M., Kato, Y., Kin, T., Kokubun, A., Maeda, H., Maeyama, N., Maruyama, J., Nagasaki, H., Nakajima, T., Oda, K., Okada, K., Paulsen, I., Sakamoto, K., Sawano, T., Takahashi, M., Takase, K., Terabayashi, Y., Wortman, J.R., Yamada, O., Yamagata, Y., Anazawa, H., Hata, Y., Koide, Y., Komori, T., Koyama, Y., Minetoki, T., Suharnan, S., Tanaka, A., Isono, K., Kuhara, S., Ogasawara, N. & Kikuchi, H.** 2005 Genome sequencing and analysis of *Aspergillus oryzae*. *Nature* **438**:1157-1161
- 78. MacKenzie, D.A., Guillemette, T., Al-Sheikh, H., Watson, A.J., Jeenes, D.J., Wongwathanarat, P., Dunn-Coleman, N.S., van Peij, N. & Archer, D.B.** 2005 UPR-independent dithiothreitol stress-induced genes in *Aspergillus niger*. *Mol. Gen. Genomics* **274**:410-418
- 79. Mah, J.-H. & Yu, J.-H.** 2006 Upstream and downstream regulation of asexual development in *Aspergillus fumigatus*. *Eukaryot. Cell* **5**:1585-1595
- 80. Maiya, S., Grundmann, A., Li, S.-M. & Turner, G.** 2006 The fumitremorgin gene cluster of *Aspergillus fumigatus*: identification of a gene encoding brevianamide F synthetase. *Chembiochem.* **7**:1062-1069
- 81. Malavazi, I., Savoldi, M., Zingaretti Di Mauro, S.M., Menck, C.F.M., Harris, S.D., Goldman, M.H. de S. & Goldman, G.H.** 2006 Transcriptome analysis of *Aspergillus nidulans* exposed to camptothecin-induced DNA damage. *Eukaryot. Cell* **5**:1688-1705
- 82. Malavazi, I., Semighini, C.P., Kress, M.R.von Z., Harris, S.D. & Goldman, G.H.** 2006 Regulation of hyphal morphogenesis and the DNA damage response by the *Aspergillus nidulans* ATM homolog *AtmA*. *Genetics* **173**:99-109
- 83. Mander, G.J., Wang, H., Bodie, E., Wagner, J., Vienken, K., Vinuesa, C., Foster, C., Leeder, A.C., Allen, G., Hamill, V., Janssen, G.G., Dunn-Coleman, N., Karos, M., Lemaire, H.G., Subkowski, T., Bollschweiler, C., Turner, G., Nüsslein, B. & Fischer, R.** 2006 Use of laccase as a novel, versatile reporter system in filamentous fungi. *Appl. Env. Microbiol.* **72**:5020-5026
- 84. Marins, J.F. & Castro-Prado, M.A.A.** 2006 Mutants of *Aspergillus nidulans* affected in asexual development. *J. Genet.* **85**:77-81
- 85. Martín de Valmaseda, E.M., Campoy, S., Naranjo, L., Casqueiro, J. & Martín, J.F.** 2005 Lysine is catabolized to 2-aminoadipic acid in *Penicillium chrysogenum* by an w-aminotransferase and to saccharopine by a lysine 2-ketoglutarate reductase. Characterization of the w-aminotransferase. *Mol. Gen. Genomics* **274**:272-282
- 86. Maruyama, J., Kikuchi, S. & Kitamoto, K.** Differential distribution of the endoplasmic reticulum network as visualized by the BipA-EGFP fusion protein in hyphal compartments across the septum of the filamentous fungus, *Aspergillus oryzae*. *Fungal Genet. Biol.* **43**: 642-654
- 87. Maubon, D., Park, S., Tanguy, M., Huerre, M., Schmitt, C., Prévost, M.C., Perlin, D.S., Latgé, J.P. & Beauvais, A.** 2006 *AGS3*, an a(1-3)glucan synthase gene family member of *Aspergillus fumigatus*, modulates mycelium growth in the lung of experimentally infected mice. *Fungal Genet. Biol.* **43**: 366-375
- 88. Meyer, V., Spielvogel, A., Funk, L., Tilburn, J., Arst, H.N.Jr. & Stahl, U.** 2005 Alkaline pH-induced up-regulation of the *afp* gene encoding the antifungal protein (AFP) of *Aspergillus giganteus* is not mediated by the transcription factor PacC: possible involvement of calcineurin. *Mol. Gen. Genomics* **274**: 295-306

89. **Mogensen, J., Nielsen, H.B., Hofmann, G. & Nielsen, J.** 2006 Transcription analysis using high-density micro-arrays of *Aspergillus nidulans* wild-type and *creA* mutant during growth on glucose or ethanol. *Fungal Genet. Biol.* **43**:593-603
90. **Monahan, B.J., Askin, M.C., Hynes, M.J. & Davis, M.A.** 2006 Differential expression of *Aspergillus nidulans* ammonium permease genes is regulated by GATA transcription factor AreA. *Eukaryot. Cell* **5**:226-237
91. **Montiel, M.D., Lee, H.A. & Archer, D.B.** 2006 Evidence of RIP (repeat-induced point mutation) in transposase sequences of *Aspergillus oryzae*. *Fungal Genet. Biol.* **43**:439-445
92. **Mulder, H.J., Nikolaev, I. & Madrid, S.M.** 2006 HACA, the transcriptional activator of the unfolded protein response (UPR) in *Aspergillus niger*, binds to partly palindromic UPR elements of the consensus sequence 5¢-CAN(G/A)NTGT/GCCT-3¢. *Fungal Genet. Biol.* **43**: 560-572
93. **Nakajima, K., Asakura, T., Maruyama, J., Morita, Y., Oike, H., Shimizu-Ibuka, A., Misaka, T., Sorimachi, H., Arai, S., Kitamoto, K. & Abe, K.** 2006 Extracellular production of neoculin, a sweet-tasting heterodimeric protein with taste-modifying activity, by *Aspergillus oryzae*. *Appl. Env. Microbiol.* **72**:3716-3723
94. **Naranjo, L., Lamas-Maceiras, M., Ullán, R.V., Campoy, S., Teijeira, F., Casqueiro, J. & Martín, J.F.** 2005 Characterization of the *oat1* gene of *Penicillium chrysogenum* encoding an w-aminotransferase: induction by L-lysine, L-ornithine and L-arginine and repression by ammonium. *Mol. Gen. Genomics* **274**:283-294
95. **Nayak, T., Szewczyk, E., Oakley, C.E., Osmani, A., Ukil, L., Murray, S.L., Hynes, M.J., Osmani, S.A. & Oakley, B.R.** 2006 A versatile and efficient gene-targeting system for *Aspergillus nidulans*. *Genetics* **172**:1557-1566
96. **Nielsen, C.B., Friedman, B., Birren, B., Burge, C.B., Galagan, J.E.** 2004 Patterns of intron gain and loss in fungi. *Plos Biology* **2**:e422
97. **Nielsen, M.L., Albertsen, L., Lettier, G., Nielsen, J.B. & Mortensen, U.H.** 2006 Efficient PCR-based gene targeting with a recyclable marker for *Aspergillus nidulans*. *Fungal Genet. Biol.* **43**: 54-64
98. **Nierman, W.C., May, G., Kim, H.S., Anderson, M.J., Chen, D. & Denning, D.W.** 2005 What the *Aspergillus* genomes have told us. *Medical Mycology*. **43** Suppl. 1:S3-5
99. **Nierman, W.C., Pain, A., Anderson, M.J., Wortman, J.R., Kim, H.S., Arroyo, J., Berriman, M., Abe, K., Archer, D.B., Bermejo, C., Bennett, J., Bowyer, P., Chen, D., Collins, M., Coulsen, R., Davies, R., Dyer, P.S., Farman, M., Fedorova, N., Fedorova, N., Feldblyum, T.V., Fischer, R., Fosker, N., Fraser, A., Garcia, J.L., Garcia, M.J., Goble, A., Goldman, G.H., Gomi, K., Griffith-Jones, S., Gwilliam, R., Haas, B., Haas, H., Harris, D., Horiuchi, H., Huang, J., Humphray, S., Jiménez, J., Keller, N., Khouri, H., Kitamoto, K., Kobayashi, T., Konzack, S., Kulkarni, R., Kumagai, T., Lafton, A., Latgé, J.-P., Li, W., Lord, A., Lu, C., Majoros, W.H., May, G.S., Miller, B.L., Mohamoud, Y., Molina, M., Monod, M., Mouyna, I., Mulligan, S., Murphy, L., O'Neil, S., Paulsen, I., Peñalva, M.A., Perte, M., Price, C., Pritchard, B.L., Quail, M.A., Rabinowitsch, E., Rawlins, N., Rajandream, M.-A., Reichard, U., Renauld, H., Robson, G.D., Rodriguez de Cordoba, S., Rodríguez-Peña, J.M., Ronning, C.M., Rutter, S., Salzberg, S.L., Sanchez, M., Sánchez-Ferrero, J.C., Saunders, D., Seeger, K., Squares, R., Squares, S., Takeuchi, M., Tekaia, F., Turner, G., Vazquez de Aldana, C.R., Weidman, J., White, O., Woodward, J., Yu, J.-H., Fraser, C., Galagan, J.E., Asai, K., Machida, M., Hall, N., Barrell, B. & Denning, D.W.** 2005 genomic sequence of the pathogenic and allergenic filamentous fungus *Aspergillus fumigatus*. *Nature* **438**:1151-1156
100. **O'Callaghan, J., Stapleton, P.C. & Dobson, D.W.** 2006 Ochratoxin A biosynthetic genes in *Aspergillus ochraceus* are differentially regulated by pH and nutritional stimuli. *Fungal Genet. Biol.* **43**:213-221
101. **Oda, K., Kakizono, D., Yamada, O., Iefuji, H., Akita, O. & Iwashita, K.** 2006 Proteomic analysis of extracellular proteins from *Aspergillus oryzae* grown under submerged and solid-state culture conditions. *Appl. Env. Microbiol.* **72**: 3448-3457
102. **Ohneda, M., Arioka, M. & Kitamoto, K.** 2005 Isolation and characterization of *Aspergillus oryzae* vacuolar protein sorting mutants. *Appl. Env. Microbiol.* **71**: 4856-4861.
103. **Ohtaki, S., Maeda, H., Takahashi, T., Yamagata, Y., Hasegawa, F., Gomi, K., Nakajima, T. & Abe, K.** 2006 Novel hydrophobic surface binding protein, HsbA, produced by *Aspergillus oryzae*. *Appl.*

Env. Microbiol. **72**: 2407-2413

- 104. Orbach, M.J. & Turgeon, B.G.** 2006 The XXIII fungal genetics conference, March 15-20, 2005, Asilomar Conference Grounds, Pacific Grove, California. *Fungal Genet. Biol.* **43**: 669-678
- 105. Orozco-Villafuerte, J., Buendía-González, L., Cruz-Sosa, F. & Vernon-Carter, E.J.** 2005 Increased mesquite gum formation in nodal explants cultures after treatment with a microbial biomass preparation. *Plant Physiol. Biochem. (Paris)* **43**:802-807
- 106. Paoletti, M., Rydhold, C., Schwier, E.U., Anderson, M.J., Szakacs, G., Lutzoni, F., Debeaupuis, J.-P., Latgé, J.-P., Denning, D.W. & Dyer, P.S.** 2005 Evidence for sexuality in the opportunistic fungal pathogen *Aspergillus fumigatus*. *Curr. Biol.* **15**:1242-1248
- 107. Peñalva, M.A.** 2005 Tracing the endocytic pathway of *Aspergillus nidulans* with FM4-64. *Fungal Genet. Biol.* **42**: 963-975
- 108. Perlinska-Lenart, U., Kurzatkowski, W., Janas, P., Kopinska, A., Palamarczyk, G. & Kruszewska, J.S.** 2005 Protein production and secretion in an *Aspergillus nidulans* mutant impaired in glycosylation. *Acta Biochim. Pol.* **52**:195-206
- 109. Perrone, G., Mulè, G., Susca, A., Battilani, P., Pietri, A. & Logrieco, A.** 2006 Ochratoxin A production and amplified fragment length polymorphism analysis of *Aspergillus carbonarius*, *Aspergillus tubigenensis*, and *Aspergillus niger* strains isolated from grapes in Italy. *Appl. Env. Microbiol.* **72**: 680-685
- 110. Pócsi, I., Miskei, M., Karányi, Z., Emri, T., Ayoubi, P., Pusztahelyi, T., Balla, G. & Prade, R.A.** 2005 Comparison of gene expression signatures of diamide, H₂O₂ and menadione exposed *Aspergillus nidulans* cultures — linking genome-wide transcriptional changes to cellular physiology. *BMC Genomics* **6**:182.
- 111. Pongsunk, A., Andrianopoulos, A. & Chaiyaroj, A.C.** 2005 Conditional lethal disruption of TATA-binding protein gene in *Penicillium marneffeii*. *Fungal Genet. Biol.* **42**:893-903
- 112. Reichard, U., Léchenne, B., Asif, A.R., Streit, F., Grouzmann, E., Jousson, O. & Monod, M.** 2006 Sedolisins, a new class of secreted proteases from *Aspergillus fumigatus* with endoprotease or tripeptidyl-peptidase activity at acidic pHs. *Appl. Env. Microbiol.* **72**: 1739-1748
- 113. Rep, M., Duyvesteijn, R.G.E., Gale, L., Usgaard, T., Cornelissen, B.J.C., Ma, L.-J. & Ward, T.J.** 2006 The presence of GC-AG introns in *Neurospora crassa* and other euascomycetes determined from analyses of complete genomes: implications for automated gene prediction. *Genomics* **87**:338-347
- 114. Robbertse, B., Reeves, J.B., Schoch, C.L. & Spatafora, J.W.** 2006 A phylogenomic analysis of the Ascomycota. *Fungal Genet. Biol.* **43**:715-525
- 115. Rocha, E.M.F., Gardiner, R.E., Park, S., Martinez-Rossi, N.M. & Perlin, D.S.** 2006 A Phe389Leu substitution in ErgA confers terbinafine resistance in *Aspergillus fumigatus*. *Antimicrob. Agents Chemother.* **50**:2533-2536
- 116. Ronning, C.M., Fedorova, N.D., Bowyer, P., Coulson, R., Goldman, G., Kim, H.S., Turner, G., Wortman, J.R., Yu, J., Anderson, M.J., Denning, D.W. & Nierman, W.C.** 2005 Genomics of *Aspergillus fumigatus*. *Rev. Iberoam. Micol.* **22**:223-228
- 117. Rydholm, C., Szakacs, G. & Lutzoni, F.** 2006 Low genetic variation and no detectable population structure in *Aspergillus fumigatus* compared to closely related *Neosartorya* species. *Eukaryot. Cell* **5**:650-657
- 118. Sakuno, E., Wen, Y., Hatabayashi, H., Arai, H., Aoki, C., Yabe, K. & Nakajima, H.** 2005 *Aspergillus parasiticus* cyclase catalyzes two dehydration steps in aflatoxin biosynthesis. *Appl. Env. Microbiol.* **71**: 2999-3006
- 119. Schmitt, M.R., Carzaniga, R., Cotter, H.van T., O'Connell, R. & Hollomon, D.** 2006 Microscopy reveals disease control through novel effects on fungal development: a case study with an early-generation benzophenone fungicide. *Pest Manag. Sci.* **62**:383-392
- 120. Schoustra, S.E., Debets, A.J., Slakhorst, M. & Hoekstra, R.F.** 2006 Reducing the cost of resistance; experimental evolution in the filamentous fungus *Aspergillus nidulans*. *J. Evol. Bio.* **19**:1115-1127
- 121. Schwecke, T., Göttling, K., Durek, P., Dueñas, I., Käufer, N.F., Zock-Emmenthal, S., Staub, E., Neuhof, T., Dieckmann, R. & von Dohren, H.** 2006 Nonribosomal peptide synthesis in *Schizosaccharomyces pombe* and the architectures of ferrichrome-type siderophore synthetases in fungi.

ChemBiochem. **7**:612-622

- 122. Semighini, C.P., Hornby, J.M., Dumitru, R., Nickerson, K.W. & Harris, S.D.** 2006 Farnesol-induced apoptosis in *Aspergillus nidulans* reveals a possible mechanism for antagonistic interactions between fungi. *Mol. Microbiol.* **59**:753-764
- 123. Semighini, C.P., Savoldi, M., Goldman, G.H. & Harris, S.D.** 2006 Functional characterization of the putative *Aspergillus nidulans* poly(ADP-ribose) polymerase homolog PrpA. *Genetics* **173**:87-98
- 124. Seo, J.-A., Guan, Y. & Yu, J.-H.** 2006 FluG-dependent asexual development in *Aspergillus nidulans* occurs via derepression. *Genetics* **172**: 1535-1544
- 125. Seo, J.-A., Han, K.-H. & Yu, J.-H.** 2005 Multiple roles of a heterotrimeric G-protein g-subunit in governing growth and development of *Aspergillus nidulans*. *Genetics* **171**:81-89
- 126. Seo, J.-A. & Yu, J.-H.** 2006 The phosducin-like protein PhnA is required for Gbg-mediated signaling for vegetative growth, developmental control, and toxin biosynthesis in *Aspergillus nidulans*. *Eukaryot. Cell* **5**:400-410
- 127. Shea, J.M. & Del Poeta, M.** 2006 Lipid signaling in pathogenic fungi. *Curr. Opin. Microbiol.* **9**:352-358
- 128. Shoji, J.-Y., Arioka, M. & Kitamoto, K.** 2006 Vacuolar membrane dynamics in the filamentous fungus *Aspergillus oryzae*. *Eukaryot. Cell* **5**:411-421
- 129. Singh, J., Rimek, D. & Kappe, R.** 2006 Intrinsic *in vitro* susceptibility of primary clinical isolates of *Aspergillus fumigatus*, *Aspergillus terreus*, *Aspergillus nidulans*, *Candida albicans* and *Candida lusitanae* against amphotericin B. *Mycoses* **49**:96-103
- 130. Soid-Raggi, G., Sanchez, O. & Aguirre, J.** 2006 TmpA, a member of a novel family of putative membrane flavoproteins, regulates asexual development in *Aspergillus nidulans*. *Mol. Microbiol.* **59**:854-869
- 131. Steinbach, W.J., Cramer, R.A.Jr., Perfect, B.Z., Asfaw, Y.G., Sauer, T.C., Najvar, L.K., Kirkpatrick, W.R., Patterson, T.F., Benjamin, D.K.Jr., Heitman, J. & Perfect, J.R.** 2006 Calcineurin controls growth, morphology, and pathogenicity in *Aspergillus fumigatus*. *Eukaryot. Cell* **5**:1091-1103
- 132. Takeshita, N., Yamashita, S., Ohta, A. & Horiuchi, H.** 2006 *Aspergillus nidulans* class V and VI chitin synthases CsmA and CsmB, each with a myosin motor-like domain, perform compensatory functions that are essential for hyphal tip growth. *Mol. Microbiol.* **59**:1380-1394
- 133. Tanaka, H., Nakamura, T., Hayashi, S. & Ohta, K.** 2005 Purification and properties of an extracellular endo-1,4-beta-xylanase from *Penicillium citrinum* and characterization of the encoding gene. *J. Biosci. Bioeng.* **100**:623-630
- 134. Tanoue, S., Kamei, K., Goda, H., Tanaka, A., Kobayashi, T., Tsukagoshi, N. & Kato, M.** 2006 The region in a subunit of the *Aspergillus* CCAAT-binding protein similar to the HAP4p-recruiting domain of *Saccharomyces cerevisiae* Hap5p is not essential for transcriptional enhancement. *Biosci. Biotechnol. Biochem.* **70**:782-787
- 135. Tilburn, J., Sánchez-Ferrero, J.C., Reoyo, E., Arst, H.N.Jr. & Peñalva, M.A.** 2005 Mutational analysis of the pH signal transduction component PalC of *Aspergillus nidulans* supports distant similarity to BRO1 domain family members. *Genetics* **171**:393-401
- 136. Todd, R.B., Fraser, J.A., Wong, K.H., Davis, M.A. & Hynes, M.J.** 2005 Nuclear accumulation of the GATA factor AreA in response to complete nitrogen starvation by regulation of nuclear export. *Eukaryot. Cell* **4**:1646-1653
- 137. Tominaga, M., Lee, Y.-H., Hayashi, R., Suzuki, Y., Yamada, O., Sakamoto, K., Gotoh, K. & Akita, O.** 2006 Molecular analysis of an inactive aflatoxin biosynthesis gene cluster in *Aspergillus oryzae* RIB strains. *Appl. Env. Microbiol.* **72**: 484-490.
- 138. Tribus, M., Galehr, J., Trojer, P., Brosch, G., Loidl, P., Marx, F., Haas, H. & Graessle, S.** 2005 HdaA, a major class 2 histone deacetylase of *Aspergillus nidulans*, affects growth under conditions of oxidative stress. *Eukaryot. Cell* **4**:1736-1745
- 139. Tsitsigiannis, D.I. & Keller, N.P.** 2006 Oxylipins act as determinants of natural product biosynthesis and seed colonization in *Aspergillus nidulans*. *Mol. Microbiol.* **59**:882-892
- 140. Tüncher, A., Spröte, P., Gehrke, A. & Brakhage, A.A.** 2005 The CCAAT-binding complex of

- eukaryotes: evolution of a second NLS in the HapB subunit of the filamentous fungus *Aspergillus nidulans* despite functional conservation at the molecular level between yeast, *A.nidulans* and human. *J. Mol. Biol.* **352**:517-533
- 141. Vala, A.K., Dave, B.P. & Dube, H.C.** 2006 Chemical characterization and quantification of siderophores produced by marine and terrestrial aspergilli. *Can. J. Microbiol.* **52**:603-607
- 142. van Diepeningen, A.D., Debets, A.J.M. & Hoekstra, R.F.** 2006 Dynamics of dsRNA mycoviruses in black *Aspergillus* populations. *Fungal Genet. Biol.* **43**:446-452
- 143. Vanden Wymelenberg, A., Sabat, G., Mozuch, M., Kersten, P.J., Cullen, D. & Blanchette, R.A.** 2006 Structure, organization, and transcriptional regulation of a family of copper radical oxidase genes in the lignin-degrading basidiomycete *Phanerochaete chrysosporium*. *Appl. Env. Microbiol.* **72**:4871-4877
- 144. Veith, D., Scherr, N., Efimov, V.P. & Fischer, R.** 2005 Role of the spindle-pole-body protein ApsB and the cortex protein ApsA in microtubule organization and nuclear migration in *Aspergillus nidulans*. *J. Cell Sci.* **118**:3705-3716
- 145. Vienken, K. & Fischer, R.** 2006 The Zn(II)₂Cys₆ putative transcription factor NosA controls fruiting body formation in *Aspergillus nidulans*. *Mol. Microbiol.* **61**:544-554
- 146. Vinck, A., Terlouw, M., Pestman, W.R., Martens, E.P., Ram, A.F., van den Hondel, C.A.M.J.J. & Wösten, A.B.** 2005 Hyphal differentiation in the exploring mycelium of *Aspergillus niger*. *Mol. Microbiol.* **58**:693-699
- 147. Virag, A. & Harris, S.D.** 2006 Functional characterization of *Aspergillus nidulans* homologues of *Saccharomyces cerevisiae* Spa2 and Bud6. *Eukaryot. Cell* **5**:881-895
- 148. Virga, K.G., Zhang, Y.-M., Leonardi, R., Ivey, R.A., Hevener, K., Park, H.-W., Jackowski, S., Rock, C.O. & Lee, R.E.** 2006 Structure-activity relationships and enzyme inhibition of pantothenamide-type pantothenate kinase inhibitors. *Bioorganic Med. Chem.* **14**:1007-1020
- 149. Vlantzi, A., Amillis, S., Koukaki, M. & Diallinas, G.** 2006 A novel-type substrate-selectivity filter and ER-exit determinants in the UapA purine transporter. *J. Mol. Biol.* **357**:808-819
- 150. Woo, P.C.Y., Chong, K.T.K., Tse, H., Cai, J.J., Lau, C.C.Y., Zhou, A.C., Lau, S.K.P. & Yuen, K.Y.** 2006 Genomic and experimental evidence for a potential sexual cycle in the pathogenic thermal dimorphic fungus *Penicillium marneffeii*. *FEBS Lett.* **580**:3409-3416, Corrigendum: **580**:4976-4977
- 151. Xue, C., Bahn, Y.-S., Cox, G.M. & Heitman, J.** 2006 G protein-coupled receptor Gpr4 senses amino acids and activates the cAMP-PKA pathway in *Cryptococcus neoformans*. *Mol. Biol. Cell.* **17**:667-679
- 152. Yu, J.-H.** 2006 Heterotrimeric G protein signaling and RGSs in *Aspergillus nidulans*. *J. Microbiol. (Korea)* **44**:145-154
- 153. Yu, J.-H. & Keller, N.** 2005 Regulation of secondary metabolism in filamentous fungi. *Ann. Rev. Phytopathol.* **43**:437-458
- 154. Yu, J.-H., Mah, J.-H. & Seo, J.-A.** 2006 Growth and developmental control in the model and pathogenic *Aspergillus*. *Eukaryot. Cell* **5**:1577-1584
- 155. Zucchi, T.D., Zucchi, F.D., Poli, P., Soares de Melo, I. & Zucchi, T.M.A.D.** 2005 A short-term test adapted to detect the genotoxic effects of environmental volatile pollutants (benzene fumes) using the filamentous fungus *Aspergillus nidulans*. *J. Env. Monitoring.* **7**:598-602

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- ^c sequence comparison
- ^e Expression of heterologous gene in *Aspergillus*
- ^h *Aspergillus* gene expressed elsewhere
- ^s Sequence or cloning

A. nidulans

abaA 51
 acuJ 50^s
 alcS 35
 apsA,B 144
 areA 5 90 136
 atmA 82^s
 atrA-D,G 21
 barA 70^s
 basA 70^s
 brlA 27
 budA 147^s
 calA 42
 catB 138
 cbxA 29^s
 cetA 42
 chsA,C 51
 clipA 25^s
 cotA 56^s
 cpcA 1
 creA 89
 crmA 136

csnA 81
csmA,B 132^S
csnD,E 72
eglA 134
ergA 115^S
fadA 122
farA,B 50^S
fhda 81^S
fhpA 68
flbA 126
flcA 120
fldA 120
flu6 84
fluG 27 124
fphA 7^S
fprA 34^S
ganB 67
gpdA 74
gpgA 67 125^S
gprH 151^C
grrA 63
hala 29^S
hapB 140
hapE 134
hdaA 138
histone H4 1
hogA 55^C
hosB 138
hpdA 32^S
jipA 34^S
kapK 81
laeA 8 9 10
lagA 70^S
lccA,B,C,D 83
mclA 11
meaA 90
mela 41
mepA,B,C 90^S
methylamine oxidase 69
mobA 60^S
mpkC 55^C
mshA 81^S
mstE 36^S
niaD 5 13
niiA 5 10 13
nirA 5
nkuA,B 95^S
nosA 145
npgA 43
npkA 72
nudA 56
nudE,F 25
oefA,B,C 68
pabaA 140
palC 135
palF 44

panK 148
phbA 81^S
phenA 29^S
phnA 126^S
phoG 199^S
pkcA,B 45^S
plaA 49^S
ppoA,B,C 127 139
prnD 10
prp8 12
prpA 123^S
radC 97
rgsA 67
riboB 95^S
rnrA 72
rnsA 72
scfA 50^S
sfaD 67
sfgA 124^S
shrA 28^S
sidC 26 121
sitA^s 34^S
snpA 43
spaA 147^S
SpoCl 10
sreA 26
suaB 29^S
tapA 34^S
tdiA-E 9^S
tmpA 130
torA 34^S
tprA 81^S
uapA 149
xprG 199^S
xylA,B 133^C
yA 97

A. fumigatus

acuD 24^S
AGS3 87
akuA 64
akuB 30
alb1 8
aur1 22
benA 2
brlA 79
calA,B 42
cgrA 6
cnaA 131
csg2 22
csgA 22
dmwA 17^S
dpl1 22
ecm33 15
ergA 115

fadA 79
 fen1 22
 flbA 79
 fluG 79
 ftmA 80
 gliA 65
 gliP 18
 ipt1 22
 laeA 8
 lag1,2,3,4 22
 mat1-1,2 106
 nopA 6^s
 pyrG 95^e
 pyroA 95^e
 rasB 38
 riboB 95^e
 rodA 2 8
 rodB 8
 scs7 22
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A. giganteus

afp 88^e

A. niger

bipA 19
 glaA 146
 hacA 19 92 93^h
 sodB 78

A. ochraceus

pks 100

A. oryzae

aflR 137
 aog8 59
 bipA 86
 catA,B 47^s
 csyA-D 57
 dfc1-20 102
 hapE 134^e
 hfm1-22 102
 hsbA 103
 niaD 54
 norA 137
 taa 134^e
 uapC 46
 vam3 128
 verA 137

A. parasiticus

vbs 118^s
 gcnA 108
 pacC 88^{se}

Cryptococcus neoformans

gpr4 151

Eurotium herbariorum

EhHOG 55

Myrothecium gramineumpyrG 20^e***Neurospora crassa***

ccg-1-15 75

frq 75

wc-1 75

Penicillium chrysogenum

oat1 85 94

pcbA-pcbC-penDE 33

penDE^h 76^h***Penicillium citrinum***

xynA 133

Penicillium marneffeii

mat1-1,2 150

tbpA 111

Phanerochaete chrysosporiumcro2 143^e***Saccharomyces cerevisiae***

cdc3,10,11,12, 23

DPM1 108^e

hap2 140

shs1 23

spr3,28 23

Stachybotrys chartarumlccB,C,D 83^e***Homo sapiens*** NF-YA 140***Streptomyces hygroscopicus*** bar 95^e**Organisms** (see also "genes")*A. carbonarius* 109*A. flavus* 16*A. fumigatus* 2 31 39 61 73 99 116 117 129 154*A. lentulus* 2*A. niger* 69 83^h 109 142*A. oryzae* 39 77 91 93^e 101*A. tunigensis* 109*A. udagawae* 2*A. terreus* 129*Candida albicans* 23 73*Hansenula polymorpha* 76^e*Neosartorya fischeri* 98 99 117<https://newprairiepress.org/fgr/vol53/iss1/13>

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Neosartorya spinosa 117
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Penicillium chrysogenum 14
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Lysobacter enzymognes 70
Pichia pastoris 4^h 3^h
Prosopis laevigata 105

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