

ASPERGILLUS BIBLIOGRAPHY 2008

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.

John Clutterbuck. Faculty of Biomedical and Life Sciences, University of Glasgow, Glasgow G12 8QQ, Scotland, UK. Email: j.clutterbuck@bio.gla.ac.uk

[Keyword Index](#)

[Author Index](#)

1. **Abe, K. & Gomi, K.** 2008 Food products fermented by *Aspergillus oryzae*. Ch 25 in The Aspergilli: genomics, medical aspects, biotechnology, and research methods, ed. G.H. Goldman and S.A. Osmani, CRC Press, Boca Raton, pp 429-439
2. **Abu Seadah, A.A. & El Shikh, M.E.** 2008 RAPD typing of *Aspergillus chevalieri*, *Aspergillus nidulans*, *Aspergillus tetrazonus* (*quadrilineatus*) and their teleomorphs using 5'-d[AACGCGCAAC]-3' and 5'-d[CCGTCAGCA]-3' primers. Mol. Biol. Repts. **35**:89-95
3. **Ahuja, M. & Punekar, N.S.** 2008 Phosphinothricin resistance in *Aspergillus niger* and its utility as a selectable transformation marker. Fung. Genet. Biol. **45**:1103-1110
4. **Amillis, S., Hamari, Z., Roumelioti, K., Scazzocchio, C. & Diallinas, G.** 2007 Regulation of expression and kinetic modeling of substrate interactions of a uracil transporter in *Aspergillus nidulans*. Mol. Memb. Biol. **24**:206-214
5. **Andersen, M.R., Vongsangnak, W., Panagiotou, G., Salazar, M.P., Lehmann, L. & Nielsen, J.** 2008 A trispecies *Aspergillus* microarray: comparative transcriptomics of three *Aspergillus* species. Proc. Natl. Acad. Sci. USA. **105**:4387-4392
6. **Araújo-Bazán, L., Fernández-Martínez, J., Ríos, V.M., Etxebeeste, O., Albar, J.P., Peñalva, M.A. & Espeso, E.A.** 2008 NapA and NapB are the *Aspergillus nidulans* Nap/SET family members and NapB is a nuclear protein specifically interacting with importin a. Fungal Genet. Biol. **45**:278-291
7. **Araújo-Bazán, L., Peñalva, M.A. & Espeso, E.A.** 2008 Preferential localization of the endocytic internalization machinery to hyphal tips underlies polarization of the actin cytoskeleton in *Aspergillus nidulans*. Mol. Microbiol. **67**:891-905
8. **Atoui, A., Bao, D., Kaur, N., Grayburn, W.S. & Calvo, A.M.** 2008 *Aspergillus nidulans* natural product biosynthesis is regulated by MpkB, a putative pheromone response mitogen-activated protein kinase. Appl. Env. Microbiol. **74**:3596-3600
9. **Baker, S.E. & Bennett, J.W.** 2008 An overview of the genus *Aspergillus*. Ch 1 in The Aspergilli: genomics, medical aspects, biotechnology, and research methods, ed. G.H. Goldman and S.A. Osmani, CRC Press, Boca Raton, pp 3-13
10. **Balibar, C.J., Howard-Jones, A.R. & Walsh, C.T.** 2007 Terrequinone A biosynthesis through L-tryptophan oxidation, dimerization and bisprenylation. Nature Chem. Biol. **3**:584-592
11. **Barton, L.M. & Prade, R.A.** 2008 Inducible RNA interference of *brlA* in *Aspergillus nidulans*. Euk. Cell **7**:2004-2007
12. **Bayram, O., Biesemann, C., Krappmann, S., Galland, P. & Braus, G.H.** 2008 More than a repair enzyme: *Aspergillus nidulans* photolyase-like CryA is a regulator of sexual development. Mol. Biol. Cell **19**:3254-3262
13. **Bayram, O., Krappmann, S., Ni, M., Bok, J.W., Helmstaedt, K., Valerius, O., Braus-Stromeier, S., Kwon, N.-J., Keller, N.P., Yu, J.-H. & Braus, G.H.** 2008 VelB/VeA/LaeA complex coordinates light signal with fungal development and secondary metabolism. 2008 Science **320**:1504-1506
14. **Bayram, O., Krappmann, S., Seiler, S., Vogt, N. & Braus, G.H.** 2008 *Neurospora crassa ve-1* affects asexual conidiation. Fungal Genet. & Biol. **45**:127-138
15. **Belaish, R., Sharon, H., Levdansky, E., Greenstein, S., Shadkchan, Y. & Oshero, N.** 2008 The *Aspergillus nidulans cetA* and *calA* genes are involved in conidial germination and cell wall morphogenesis. Fungal Genet. Biol. **45**:232-242
16. **Benoit, I., Asther, M., Bourne, Y., Navarro, D., Canaan, S., Lesage-Meesen, L., Herweijer, M., Coutinho, P.M., Asther, M. & Record, E.** 2008 Gene overexpression and biochemical characterization of the biotechnologically relevant chlorogenic acid hydrolase from *Aspergillus niger*. Appl. Env. Microbiol. **74**:5624-5632
17. **Berger, H., Basheer, A., Böck, S., Reyes-Domingues, Y., Dalik, T., Altmann, F. & Strauss, J.** 2008 Dissecting individual steps of nitrogen transcription factor cooperation in the *Aspergillus nidulans* nitrate cluster. Mol. Microbiol. **69**:1385-1398
18. **Bhabhra, R., Richie, D.L., Kim, H.S., Nierman, W.C., Fortwendel, J., Aris, J.P., Rhodes, J.C. & Askew, D.S.** 2008 Impaired ribosome biogenesis disrupts integration between morphogenesis and nuclear duplication during germination of *Aspergillus fumigatus*. Eukaryot. Cell **7**:575-583
19. **Bogdanov, Iu.F.** 2008 (In Russian – not read): [Evolution of meiosis of unicellulate and multicellular eucaryotes. Aromorphosis at the cellular level]. Zhurnal Obshechi Biologii. **69**:102-117
20. **Bouzarelou, D., Billini, M., Roumelioti, K. & Sophianopoulou, V.** 2008 *Eg1D*, a putative endoglucanase, with an expansin like domain is localized in the conidial cell wall of *Aspergillus nidulans*. Fung. Genet. Biol. **45**:839-850
21. **Braaksma, M. & Punt, P.J.** 2008 *Aspergillus* as a cell factory for protein production: controlling protease activity in fungal production. Ch 1 in The Aspergilli: genomics, medical aspects, biotechnology, and research methods, ed. G.H. Goldman and S.A. Osmani, CRC Press, Boca Raton, pp 3-13
22. **Braumann, I., van den Berg, M. & Kempken, F.** 2008 Repeat induced point mutation in two asexual fungi, *Aspergillus niger* and *Penicillium chrysogenum*. Curr. Genet. **53**:287-297
23. **Braumann, I., van den Berg, M. & Kempken, F.** 2008 Strain-specific retrotransposon-mediated recombination in commercially used *Aspergillus niger* strain. Mol. Genet. Genom. **240**:319-325

24. Breakspear, A., Langford, K.J., Momany, M. & Assinder, S.J. 2007 CopA:GFP localizes to putative Golgi equivalents in *Aspergillus nidulans*. FEMS Microbiol. Lett. **277**:90-97
25. Breakspear, A. & Momany, M. 2007 The first fifty microarray studies in filamentous fungi. Microbiol. **153**:7-15
26. Breakspear, A. & Momany, M. 2008 Microarrays in *Aspergillus* species. Ch 28 in The Aspergilli: genomics, medical aspects, biotechnology, and research methods, ed. G.H. Goldman and S.A. Osmani, CRC Press, Boca Raton, pp 475-481
27. Brock, M., Jouvion, G., Droin-Bergère, S., Dussurget, O., Nicola, M.-A. & Ibrihaim-Granet, O. 2008 Appl. Env. Microbiol. **74**:7023-7035
28. Brodhagen, M., Tsitsigiannis, D.I., Hornung, E., Goebel, C., Feussner, I. & Keller, N.P. 2008 Reciprocal oxylipin-mediated cross-talk in the *Aspergillus*-seed pathosystem. Molecular Microbiol. **67**:378-391.
29. Brown, S.H., Zarnowski, R., Sharpee, W.C. & Keller, N.P. 2008 Morphological transitions governed by density dependence and lipoxygenase activity in *Aspergillus flavus*. Appl. Env. Microbiol. **74**:5674-5685
30. Caddick, M.X. & Dobson, C. 2008 Gene regulation. Ch 8 in The Aspergilli: genomics, medical aspects, biotechnology, and research methods, ed. G.H. Goldman and S.A. Osmani, CRC Press, Boca Raton, pp 103-119
31. Cai, J., Zeng, H., Shima, Y., Hatabayashi, H., Nakagawa, H., Ito, Y., Adachi, Y., Nakajima, H. & Yabe, K. 2008 Involvement of the *nada* gene in formation of G-group aflatoxins in *Aspergillus parasiticus*. Fung. Genet. Biol. **45**:1081-1093
32. Calcagno-Pizarelli, A.M., Negrete-Urtasun, S., Denison, S.H., Rudnicka, J.D., Bussink, H.-J., Múnero-Huertas, T., Stanton, L., Hervás-Aguilar, A., Espeso, E.A., Tilburn, J., Arst, H.N.Jr. & Peñalva, M.A. 2007 Establishment of the ambient pH signaling complex in *Aspergillus nidulans*: PalI assists plasma membrane localization of palH. Eukaryot. Cell **6**:2365-2375
33. Calvo, A.M. 2008 The VeA regulatory system and its role in morphological and chemical development in fungi. Fung. Genet. Biol. **45**:1053-1061
34. Cardoso, P.G., Ribeiro, J.B., Teixeira, J.A., de Queiroz, M.V. & de Araújo, E.F. 2008 Overexpression of the *plg1* gene encoding pectin lyase in *Penicillium griseoroseum*. J. Indust. Microbiol. Biotechnol. **35**:159-166
35. Casadevall, A. & Pirofski, L.-a. 2007 Accidental virulence, cryptic pathogenesis, martians, lost hosts, and the pathogenicity of environmental microbes. Eukaryot. Cell **6**:2169-2174
36. Challis, G.L. 2008 Mining microbial genomes for new natural products and biosynthetic pathways. Microbiol. **154**:1555-1569
37. Chamilos, G. & Kontoyiannis, D. 2008 Emerging role of mini-hosts models in the study of aspergillosis. Ch 24 in The Aspergilli: genomics, medical aspects, biotechnology, and research methods, ed. G.H. Goldman and S.A. Osmani, CRC Press, Boca Raton, pp 413-426
38. Chiang, Y.-M., Szewczyk, E., Nayak, T., Davidson, A.D., Sanchez, J.F., Lo, H.-C., Ho, W.-Y., Simityan, H., Kuo, E., Praseuth, A., Watanabe, K., Oakley, B.R. & Wang, C.C. 2008 Molecular genetic mining of the *Aspergillus* secondary metabolome: discovery of the emericellamide biosynthetic pathway. Chem. Biol. **15**:527-532
39. Chooi, Y.-H., Stalker, D.M., Davis, M.A., Fujii, I., Elix, J.A., Louwhoff, S.H.J.J. & Lawrie, A.C. 2008 Cloning and sequence characterization of a non-reducing polyketide synthase gene from the lichen *Xanthoparmelia semiviridis*. Mycol. Res. **112**:147-161
40. Clutterbuck, A.J. & Farman, M. 2008 *Aspergillus nidulans* linkage map and genome sequence: closing gaps and adding telomeres. Ch 5 in The Aspergilli: genomics, medical aspects, biotechnology, and research methods, ed. G.H. Goldman and S.A. Osmani, CRC Press, Boca Raton, pp 57-65
41. Clutterbuck, A.J., Kapitonov, V.V. & Jurka, J. 2008 Transposable elements and repeat-induced point mutation in *Aspergillus nidulans*, *Aspergillus fumigatus* and *Aspergillus oryzae*. Ch 20 in The Aspergilli: genomics, medical aspects, biotechnology, and research methods, ed. G.H. Goldman and S.A. Osmani, CRC Press, Boca Raton, pp 343-355
42. Cohen, B.L. 2007 Guido Pontecorvo ("Ponte"): a centenary memoir. Genetics **177**:1439-1444
43. Colombres, M., Garate, J.A., Lagos, C.F., Araya-Secchi, R., Norambuena, P., Quiroz, S., Larrondo, L., Pérez-Acle, T. & Eyzaguirre, J. 2008 An eleven amino acid residue deletion expands the substrate specificity of acetyl xylan esterase II (AXE II) from *Penicillium purpurogenum*. J. Computer-Aided Mol. Design **22**:19-28
44. Coronado, J.E., Mneimneh, S., Epstein, S.L., Qui, W.-G. & Lipke, P.N. 2007 Conserved processes and lineage-specific proteins in fungal cell wall evolution. Eukaryot. Cell **6**:2269-2277
45. Cowen, L.E. & Steinbach, W.J. 2008 Stress, drugs and evolution: the role of cellular signaling in fungal drug resistance. Eukaryot. Cell **7**:747-764
46. Cramer, R.A.Jr., Perfect, B.Z., Pinchai, N., Park, S., Perlin, D.S., Asfaw, Y.G., Heitman, J., Perfect, J.R. & Steinbach, W.J. 2008 Calcineurin target CrzA regulates conidial germination, hyphal growth, and pathogenesis of *Aspergillus fumigatus*. Eukarot. Cell **7**:1085-1097
47. Damveld, R.A., Franken, A., Arentshorst, M., Punt, P.J., Klis, F.M., van den Hondel, C.A.M.J.J. & Ram, A.F.J. 2008 A novel screening method for cell wall mutants in *Aspergillus niger* identifies UDP-galactopyranose mutase as an important protein in fungal wall biosynthesis. Genetics **178**:873-881
48. David, H., Özcelik, I.S., Hofmann, G. & Nielsen, J. 2008 Analysis of *Aspergillus nidulans* metabolism at the genome-scale. BMC Genomics **9**:163
49. de Gouvêa, P.F., Soriani, F.M., Malavazi, I., Savoldi, M., Goldman, M.H. de S., Loss, O., Bignell, E., Ferreira, M.E. de S. & Goldman, G.H. 2008 Functional characterization of the *Aspergillus fumigatus* PHO80 homologue. Fung. Genet. Biol. **45**:1135-1146
50. De Lucas, J.R., Indiveri, C., Tonazzi, A., Perez, P., Giangregorio, N., Iacobazzi, V., Palmieri, F. 2008 Functional characterization of residues within the carnitine/acylcarnitine translocase RX2PANAAXF distinct motif. Mol. Memb. Biol. **25**:152-163
51. De Maeseneire, S.L., Van Bogaert, I.N., Dauvrin, T., Soetaert, W.K. & Vandamme, E.J. 2007 Rapid isolation of fungal genomic DNA suitable for long distance PCR. Biotechnol. Lett. **29**:1845-1855
52. Diallinas, G. 2008 *Aspergillus* transporters. Ch 18 in The Aspergilli: genomics, medical aspects, biotechnology, and research methods, ed.

G.H. Goldman and S.A. Osmani, CRC Press, Boca Raton, pp 301-320

53. **Draht, O.W., Busch, S., Hofmann, K., Braus-Stromeier, S., Helmstaedt, K., Goldman, G.H. & Braus, G.H.** 2008 Amino acid supply of *Aspergillus*. Ch 11 in *The Aspergilli: genomics, medical aspects, biotechnology, and research methods*, ed. G.H. Goldman and S.A. Osmani, CRC Press, Boca Raton, pp 143-175
54. **Emri, T., Szilágyi, M., Justyák, A. & Pócsi, I.** 2008 Heterotrimeric G protein mediated regulation of proteinase production in *Aspergillus nidulans*. *Acta Microbiol. Immunol. Hung.* **55**:111-117
55. **Endo, Y., Yokoyama, M., Morimoto, M., Shirai, K., Chikamatsu, G., Kato, N., Tsukagoshi, N., Kato, M. & Kobayashi, T.** 2008 Novel promoter sequence required for inductive expression of the *Aspergillus nidulans* endoglucanase gene *eglA*. *Biosci. Biotechnol. Biochem.* **72**:312-320
56. **Erdei, É., Pusztahelyi, T., Miskei, M., Barna, T. & Pócsi, I.** 2008 Characterization and heterologous expression of an age-dependent fungal/bacterial type chitinase of *Aspergillus nidulans*. *Acta Microbiol. Immunol. Hung.* **55**:351-361
57. **Espeso, E.A. & Osmani, S.A.** 2008 Nuclear pore complex and transport in *Aspergillus nidulans*. Ch 16 in *The Aspergilli: genomics, medical aspects, biotechnology, and research methods*, ed. G.H. Goldman and S.A. Osmani, CRC Press, Boca Raton, pp 261-277
58. **Etxebeste, O., Ni, M., Garzia, A., Kwon, N.-J., Fischer, R., Yu, J.-H., Espeso, E.A. & Ugalde, U.** 2008 Basic-zipper-type transcription factor FlbB controls asexual development in *Aspergillus nidulans*. *Eukaryot. Cell.* **7**:38-48
59. **Fang, W., Pei, Y. & Bidochka, M.J.** 2007 A regulator of a G protein signalling (RGS) gene, *cag8*, from the insect-pathogenic fungus *Metarhizium anisopliae* is involved in conidiation, virulence and hydrophobin synthesis. *Microbiol.* **153**:1017-1025
60. **Fecik, R.A.** 2007 Natural product biosynthesis moves *in vitro*. *Nature Chem. Biol.* **3**:531-532
61. **Fedorova, N.D., Khaldi, N., Joardar, V.S., Maiti, R., Amadeo, P., Anderson, M.J., Crabtree, J., Silva, J.C., Badger, J. H., Albarraq, A., Angiuoli, S., Bussey, H., Bowyer, P., Cotty, P.J., Dyer, P.S., Egan, A., Galens, K., Fraser-Liggett, C.M., Haas, B.J., Inman, J.M., Kent, R., Lemieux, S., Malavazi, I., Orvis, J., Roemer, T., Ronning, C.M., Sundaram, J.P., Sutton, G., Turner, G., Venter, J.C., White, O.R., Whitty, B.R., Youngman, P., Wolfe, K.H., Goldman, G.H., Wortman, J.R., Jiang, B., Denning, D.W. & Nierman, W.C.** 2008 Genomic islands in the pathogenic filamentous fungus *Aspergillus fumigatus*. *PLOS Genetics* **4**: e1000046
62. **Fedorova, N.D., Nierman, W.C., Turner, G., Joardar, V., Maiti, R., Anderson, M.J., Denning, D.W. &** 2008 A comparative view of the genome of *Aspergillus fumigatus*. Ch 3 in *The Aspergilli: genomics, medical aspects, biotechnology, and research methods*, ed. G.H. Goldman and S.A. Osmani, CRC Press, Boca Raton, pp 25-42
63. **Fekete, E., Padra, J., Szentirmai, A. & Karaffa, L.** 2008 Lactose and D-galactose catabolism in the filamentous fungus *Aspergillus nidulans*. *Acta Microbiol. Immunol. Hung.* **55**:119-124
64. **Fischer, R.** 2008 Developmental biology. Sex and poison in the dark. [Comment on Entry 12] *Science* **320**: 1430-1431
65. **Fischer, R., Takeshita, N. & Doonan, J.** 2008 Cytoskeleton, polarized growth, and cell cycle in *Aspergillus nidulans*. Ch 15 in *The Aspergilli: genomics, medical aspects, biotechnology, and research methods*, ed. G.H. Goldman and S.A. Osmani, CRC Press, Boca Raton, pp 223-259
66. **Fischer, R., Zekert, N. & Takeshita, N.** 2008 Polarized growth in fungi - interplay between the cytoskeleton, positional markers and membrane domains. *Mol. Microbiol.* **68**:813-826
67. **Fleck, C.B. & Brock, M.** 2008 Characterization of an acyl-CoA: carboxylate CoA-transferase from *Aspergillus nidulans* involved in propionyl-CoA detoxification. *Mol. Microbiol.* **68**:642-656
68. **Fortwendel, J.R., Fuller, K.K., Stephens, T.J., Bacon, W.C., Askew, D.S. & Rhodes, J.C.** 2008 *Aspergillus fumigatus* RasA regulates asexual development and cell wall integrity. *Eukaryot. Cell* **7**:1530-1539
69. **Fox, E.M. & Howlett, B.J.** 2008 Biosynthetic gene clusters for epipolythiodioxopiperazines in filamentous fungi. *Mycol. Res.* **112**:162-169
70. **Freitas, J.S., Silva, E.M. & Rossi, A.** 2007 Identification of nutrient-dependent changes in extracellular pH and acid phosphatase secretion in *Aspergillus nidulans*. *Genet. Mol. Res.* **6**:721-729
71. **Galindo, A., Hervás-Aguilar, A., Rodríguez-Galán, O., Vincent, O., Arst, H.N.Jr., Tilburn, J. & Peñalva, M.A.** 2007 PalC, one of two Bro1 domain proteins in the fungal pH signalling pathway, localizes to cortical structures and binds Vps32. *Traffic* **8**:1346-1364
72. **García-Estrada, C., Vaca, I., Fierro, F., Sjollem, K., Veenhuis, M. & Martín, J.F.** 2008 The unprocessed preprotein form IAT^{C103S} of the isopenicillin N acyltransferase is transported inside peroxisomes and regulates its self-processing. *Fungal Genet. Biol.* **45**:1043-1052
73. **García-Pedrajas, M.D., Nadal, M., Kapa, L.B., Perlin, M.H., Andrews, D.L. & Gold, S.E.** 2008 DelsGate, a robust and rapid gene deletion construction method. *Fungal Genet. Biol.* **45**:379-388
74. **García-Rico, R.O., Fierro, F., Mauriz, E., Gómez, A., Fernández-Bodega, M.A. & Martín, J.F.** 2008 The heterotrimeric Ga protein Pga1 regulates biosynthesis of penicillin, chrysogenin and roquefortine in *Penicillium chrysogenum*. *Microbiol.* **154**:3567-3578
75. **Garscha, U., Jernerén, F., Chung, D., Keller, N.P., Hamberg, M., Oliw, E.H.** 2007 Identification of dioxygenases required for *Aspergillus* development. Studies of products, stereochemistry, and the reaction mechanism. *J. Biol. Chem.* **282**:34707-34718
76. **Gent, M. & Lanthaler, K.** 2008 Chemostats and microarrays. Ch 29 in *The Aspergilli: genomics, medical aspects, biotechnology, and research methods*, ed. G.H. Goldman and S.A. Osmani, CRC Press, Boca Raton, pp 483-491
77. **Garscha, U. & Oliw, E.** 2008 *Pichia* expression and mutagenesis of 7,8-linoleate diol synthase change the dioxygenase and hydroperoxide isomerase. *Biochem. Biophys. Res. Commun.* **373**:579-583
78. **Gioti, A., Pradier, J.M., Fournier, E., le Pêcheur, G., Giraud, C., Debieu, D., Bach, J., Leroux, P. & Levis, C.** 2008 A *Botrytis cinerea* emopamil binding domain protein, required for full virulence, belongs to a eukaryotic superfamily which has expanded in euascomycetes. *Eukaryot. Cell* **7**:368-378
79. **Goudela, S., Reichard, U., Amillis, S. & Diallinas, G.** 2008 Characterization and kinetics of the major purine transporters in *Aspergillus fumigatus*. *Fungal Genet. Biol.* **45**:459-472

80. Grosse, C., Heinekamp, T., Kniemeyer, O., Gehrke, A. & Brakhage, A.A. 2008 Protein kinase A regulates growth, sporulation, and pigment formation in *Aspergillus fumigatus*. *Appl. Env. Microbiol.* **74**:4923-4933
81. Grosse, V. & Krappmann, S. 2008 the asexual pathogen *Aspergillus fumigatus* expresses functional determinants of *Aspergillus nidulans* sexual development. *Eukaryot. Cell* **7**:1724-1732
82. Gulshan, K. & Moye-Rowley, W.S. 2007 Multidrug resistance in fungi. *Eukaryot. Cell* **6**:1933-1942
83. Hamann, A., Brust, D. & Osiewacz, H.D. 2008 Apoptosis pathways in fungal growth, development and ageing. *Trends Microbiol.* **16**:276-283
84. Hammond, T.M., Andrews, M.D., Roossinck, M.J. & Keller, N.P. 2008 *Aspergillus* mycoviruses are targets and suppressors of RNA silencing. *Eukaryot. Cell* **7**:350-357
85. Hammond, T.M., Bok, J.W., Andrews, M.D., Reyes-Domínguez, Y., Scazzocchio, C. & Keller, N.P. 2008 RNA silencing gene truncation in the filamentous fungus *Aspergillus nidulans*. *Eukaryot. Cell* **7**:339-349
86. Hammond, T.M. & Keller, N.P. 2008 RNA silencing in the Aspergilli. Ch 13 in *The Aspergilli: genomics, medical aspects, biotechnology, and research methods*, ed. G.H. Goldman and S.A. Osmani, CRC Press, Boca Raton, pp 197-209
87. Han, D.-M., Chae, K.-S. & Han, K.-H. 2008 Sexual development in *Aspergillus nidulans*. Ch 17 in *The Aspergilli: genomics, medical aspects, biotechnology, and research methods*, ed. G.H. Goldman and S.A. Osmani, CRC Press, Boca Raton, pp 279-299
88. Han, K.-H., Kim, J.H., Moon, H., Kim, S., Lee, S.-S., Han, D.M., Jahng, K.Y. & Chae, K.-S. 2008 The *Aspergillus nidulans* *esdC* (early sexual development) gene is necessary for sexual development and is controlled by *veA* and a heterotrimeric G protein. *Fungal Genet. Biol.* **45**:310-318
89. Harispe, L., Portela, C., Scazzocchio, C., Peñalva, M.A. & Gorfinkiel, L. 2008 Ras GTPase-activating protein regulation of actin cytoskeleton and hyphal polarity in *Aspergillus nidulans*. *Eukaryot. Cell.* **7**:141-153
90. Harris, D.M., van der Krogt, Z., van Gulik, W.M., van Dijken, J.P. & Pronk, J.T. 2008 Formate as an auxiliary substrate for glucose-limited cultivation of *Penicillium chrysogenum*: impact on penicillin G production and biomass yield. *Appl. Env. Microbiol.* **74**:5020-5025
91. Harris, S.D. 2008 Hyphal morphogenesis in *Aspergillus nidulans*. Ch 14 in *The Aspergilli: genomics, medical aspects, biotechnology, and research methods*, ed. G.H. Goldman and S.A. Osmani, CRC Press, Boca Raton, pp 211-222
92. Hedayati, M.T., Pasqualotto, A.C., Warn, P.A., Bowyer, P. & Denning, D.W. 2007 *Aspergillus flavus*: human pathogen, allergen and mycotoxin producer. *Microbiol.* **153**:1677-1692
93. Heitman, J. & Howlett, B. 2008 Fungal horizons: the Asilomar Fungal Genetics Conference 2007. *Fungal Genet. Biol.* **45**:77-83
94. Helmstaedt, K., Laubinger, K., Vosskuhl, K., Bayram, Ö., Busch, S., Hoppert, M., Valerius, O., Seiler, S. & Braus, G.H. 2008 The nuclear migration protein NUDF/LIS1 forms a complex with NUDC and BNFA at spindle pole bodies. *Eukaryot. Cell* **7**:1041-1052
95. Henry, C., Mouyna, I. & Latgé, J.-P. 2007 testing the efficacy of RNA interference constructs in *Aspergillus fumigatus*. *Curr. Genet.* **51**:277-284
96. Hervás-Aguilar, A., Rodríguez, J.M., Tilburn, J., Arst, H.N.Jr. & Penalva, M.A. 2007 Evidence for the direct involvement of the proteasome in the proteolytic processing of the *Aspergillus nidulans* zinc finger transcription factor PacC. *J. Biol. Chem.* **282**:34735-34747
97. Hey, P., Robson, G., Birch, M. & Bromley, M. 2008 Characterization of *Aft1* a *Fot/Pogo* type transposon of *Aspergillus fumigatus*. *Fungal Genet. Biol.* **45**:117-126
98. Hoff, B., Pöggeler, S. & Kück, U. 2008 Eighty years after its discovery, Fleming's *Penicillium* strain discloses the secrets of its sex. *Eukaryot. Cell* **7**:465-470
99. Hohl, T.M. & Feldmesser, M. 2007 *Aspergillus fumigatus*: principles of pathogenesis and host defense. *Eukaryot. Cell* **6**:1953-1963
100. Hong, S.-Y. & Linz, J.E. 2008 Functional expression and subcellular localization of the aflatoxin pathway enzyme Ver-1 fused to enhanced green fluorescent protein. *Appl. Env. Microbiol.* **74**:6385-6396
101. Hortschansky, P., Eisendle, M., Al-Abdallah, Q., Schmidt, A.D., Bergmann, S., Thön, M., Kniemeyer, O., Abt, B., Seeber, B., Werner, E.R., Kato, M., Brakhage, A.A. & Haas, H. 2007 Interaction of HapX with the CCAAT-binding complex--a novel mechanism of gene regulation by iron. *EMBO J.* **26**:3157-3168
102. Hubbard, M.A. & Kaminskyj, S.G. 2008 Rapid tip-directed movement of Golgi equivalents in growing *Aspergillus nidulans* hyphae suggests a mechanism for delivery of growth-related materials. *Microbiol.* **154**:1544-1553
103. Hynes, M.J. 2008 Gluconeogenic carbon metabolism. Ch 10 in *The Aspergilli: genomics, medical aspects, biotechnology, and research methods*, ed. G.H. Goldman and S.A. Osmani, CRC Press, Boca Raton, pp 129-142
104. Hynes, M.J., Murray, S.L., Khew, S. & Davis, M.A. 2008 Genetic analysis of the role of peroxisomes in the utilization of acetate and fatty acids in *Aspergillus nidulans*. *Genetics* **178**:1355-1369
105. Ichinomiya, M., Uchida, H., Koshi, Y., Ohta, A. & Horiuchi, H. 2007 A protein kinase C-encoding gene, *pkcA*, is essential to the viability of the filamentous fungus *Aspergillus nidulans*. *Biosci. Biotechnol. Biochem.* **71**:2787-2799
106. Jackson-Hayes, L., Hill, T.W., Loprete, D.M., Fay, L.M., Gordon, B.S., Nkashama, S.A., Patel, R.K. & Sartain, C.V. 2008 Two GDP-mannose transporters contribute to hyphal form and cell wall integrity in *Aspergillus nidulans*. *Microbiol.* **154**:2037-2047
107. Janus, D., Hoff, B., Hofmann, E. & Kück, U. 2007 An efficient fungal RNA-silencing system using the *DsRed* reporter gene. *Curr. Genet.* **73**:962-970
108. Jiang, H., Ouyang, H., Zhou, H. & Jin, C. 2008 GDP-mannose pyrophosphorylase is essential for cell wall integrity, morphogenesis and viability of *Aspergillus fumigatus*. *Microbiol.* **154**:2730-2739
109. Johnson, L. 2008 Iron and siderophores in fungal-host interactions. *Mycol. Res.* **112**:170-183
110. Jones, M.G. 2007 The first filamentous fungal genome sequences; *Aspergillus* leads the way for essential everyday resources or dusty museum specimens? *Microbiol.* **153**:1-6

111. Jørgansen, T.R., vanKuyk, P.A., Poulsen, B.R., Ruijter, G.J.G., Visser, J. & Iversen, J.J.L. 2007 Glucose uptake and growth of glucose-limited chemostat cultures of *Aspergillus niger* and a disruptant lacking *mstA*, a high-affinity glucose transporter. *Microbiol.* **153**:1963-1973
112. Juhász, A., Pfeiffer, I., Keszthelyi, A., Kucsera, J., Vágvölgyi, C. & Hamari, Z. 2008 Comparative analysis of the complete mitochondrial genomes of *Aspergillus niger* mtDNA type 1a and *Aspergillus tubingensis* mtDNA type 2b. *FEMS Microbiol. Lett.* **281**:51-57
113. Jun, K.O., Yang, E.J., Lee, B.J., Park, J.R., Lee, J.H. & Choi, S.K. 2008 Functional equivalence of translation factor eIF5B from *Candida albicans* and *Saccharomyces cerevisiae*. *Mol. Cells.* **25**:172-177
114. Juvvadi, P.R., Fortwendel, J.R., Pinchai, N., Perfect, B.Z., Heitman, J. & Steinbach, W.J. 2008 Calcineurin localizes to the hyphal septum in *Aspergillus fumigatus*: implications for septum formation and conidiophore development. *Eukaryot. Cell* **7**:1606-1610
115. Kainz, E., Gallmetzer, A., Hatzl, C., Nett, J.H., Li, H., Schinko, T., Pachlinger, R., Berger, H., Reyes-Dominguez, Y., Bernreiter, A., Gerngross, T., Wildt, S. & Strauss, J. 2008 N-glycan modification in *Aspergillus* species. *Appl. Env. Microbiol.* **74**:1076-1086
116. Kafer, E. & Chae, S.-K. 2008 *uvsF^{RFC1}*, the large subunit of replication factor C in *Aspergillus nidulans*, is essential for DNA replication, functions in UV repair and is upregulated in response to MMS-induced DNA damage. *Fung. Genet. Biol.* **45**:1227-1234
117. Kale, S.P., Milde, L., Trapp, M.K., Frisvad, J.C., Keller, N.P. & Bok, J.W. 2008 Requirement of LaeA for secondary metabolism and sclerotial production in *Aspergillus flavus*. *Fung. Genet. Biol.* **45**:1422-1429
118. Kaminskyj, S., Jilkine, K., Szeghalmi, A. & Gough, K. 2008 high spatial resolution analysis of fungal cell biochemistry – bridging the analytical gap using synchrotron FTIR spectromicroscopy. *FEMS Microbiol. Lett.* **284**:1-8
119. Katz, M.E., Bernardo, S.M. & Cheetham, B.F. 2008 The interaction of induction, repression and starvation in the regulation of extracellular proteases on *Aspergillus nidulans*: evidence for a role for CreA in the response to carbon starvation. *Curr. Genet.* **54**:47-55
120. Kaya, A.D. & Kiraz, N. 2007 *In vitro* susceptibilities of *Aspergillus* spp. causing otomycosis to amphotericin B, voriconazole and itraconazole. *Mycoses* **50**:447-450
121. Keays DA. 2007 Neuronal migration: unraveling the molecular pathway with humans, mice, and a fungus. *Mammal. Genome* **18**:425-430
122. Khaldi, N. & Wolfe, K.H. 2008 Elusive Origins of the Extra Genes in *Aspergillus oryzae*. *PLoS ONE* **3**:e3036
123. Kim, I.-K., Yim, H.-S., Kim, M.-K., Kim, D.-W., Kim, Y.-M., Cha, S.-S. & Kang, S.-O. 2008 Crystal structure of a new type of NADPH-dependent quinone oxidoreductase (QOR2) from *Escherichia coli*. *J. Mol. Biol.* **379**:372-384
124. Kim, J.H., Mahoney, N., Chan, K.L., Molyneux, R.J., May, G.S. & Campbell, B.C. 2008 Chemosensitization of fungal pathogens to antimicrobial agents using benzo analogs. *FEMS Microbiol. Lett.* **281**: 64-72
125. Kotaka, M., Johnson, C., Lamb, H.K., Hawkins, A.R., Ren, J. & Stammers, D.K. 2008 Structural analysis of the recognition of the negative regulator NmrA and DNA by the zinc finger from the GATA-type transcription factor AreA. *J. Mol. Biol.* **381**:373-382
126. Kouskoumvekaki, I., Yang, Z., Jónsdóttir, S.O., Olsson, L. & Panagiotou, G. 2008 Identification of biomarkers for genotyping *Aspergilli* using non-linear methods for clustering and classification. *BMC Bioinformatics.* **9**:59.
127. Krappmann, S. 2008 Pathogenicity determinants and allergens. Ch 22 in *The Aspergilli: genomics, medical aspects, biotechnology, and research methods*, ed. G.H. Goldman and S.A. Osmani, CRC Press, Boca Raton, pp 377-400
128. Kremer, A., Westrich, L. & Li, S.-M. 2007 A 7-dimethylallyltryptophan synthase from *Aspergillus fumigatus*: overproduction, purification and biochemical characterization. *Microbiol.* **153**:3409-3416
129. Kronstad, J.W. 2007 Self-fertility: the genetics of sex in lonely fungi. *Curr Biol.* **17**:R843-845
130. Kumar, A., Gaiind, S. & Nain, L. 2008 Evaluation of thermophilic fungal consortium for paddy straw composting. *Biodegrad.* **19**:395-402
131. Kuwano, T., Shirataki, C. & Itoh, Y. 2008 Comparison between polyethylene glycol- and polyethylenimine-mediated transformation of *Aspergillus nidulans*. *Curr. Genet.* **54**:95-103
132. Lavín, J.L., Oguiza, J.A., Ramírez, L. & Pisabarro, A.G. 2008 Comparative genomics of the oxidative phosphorylation system in fungi. *Fung. Genet. Biol.* **45**:1248-1256
133. Léchenne, B., Reichard, U., Zaugg, C., Fratti, M., Kunert, J., Boulat, O. & Monod, M. 2007 Sulphite efflux pumps in *Aspergillus fumigatus* and dermatophytes. *Microbiol.* **153**:905-913
134. Lee, C.-Z., Liou, G.-Y. & Yuan, G.-F. 2006 Comparison of the *aflR* sequences of strains in *Aspergillus* section *flavi*. *Microbiol.* **152**:161-170
135. Lee, D.W., Freitag, M., Selker, E.U. & Aramayo, R. 2008 A cytosine methyltransferase homologue is essential for sexual development in *Aspergillus nidulans*. *PLoS ONE* **3**:e2531
136. Lee, S.C., Schmidtke, S.N., Dangott, L.J. & Shaw, B.D. 2008 *Aspergillus nidulans* ArfB plays a role in endocytosis and polarized growth. *Eukaryot. Cell* **7**:1278-1288
137. Lee, S.C. & Shaw, B.D. 2008 Localization and function of ADP ribosylation factor A in *Aspergillus nidulans*. *FEMS Microbiol. Lett.* **283**:216-222
138. Leeder, A.C. & Turner, G. 2008 Characterisation of *Aspergillus nidulans* polarisome component BemA. *Fungal Genet. Biol.* **45**:897-911
139. Lessing, F., Kniemeyer, O., Wozniok, I., Loeffler, J., Kurzai, O., Haertl, A. & Brakhage, A.A. 2007 The *Aspergillus fumigatus* transcriptional regulator AfYap1 represents the major regulator for defense against reactive oxygen intermediates but is dispensable for pathogenicity in an intramucosal mouse infection model. *Eukaryot. Cell* **6**:2290-2302
140. Lévasséur, A., Piumi, F., Coutinho, P.M., Rancurel, C., Asther, M., Delattre, M., Henrissat, B., Pontarotti, P., Asther, M. & Record, E. 2008 FOLy: an integrated database for the classification and functional annotation of fungal oxidoreductases potentially involved in the degradation of lignin and related aromatic compounds. *Fungal Genet. Biol.* **45**:638-445
141. Levin, A.M., de Vries, R.P., Conesa, A., de Bekker, C., Talon, M., Menke, H.H., van Peij, N.N.M.E. & Wösten, H.A.B. 2007 Spatial differentiation in the vegetative mycelium of *Aspergillus niger*. *Eukaryot. Cell* **6**:2311-2322
142. Li, C.Y., Li, J.B., Zhou, X.G., Zhang, S.S. & Xu, M.H. 2005 [Frequency and distribution of variable-number tandem repeats in the genome

of *Aspergillus nidulans*]. [- Chinese, not seen] *Acta Genetica Sinica*. **32**:538-544

143. Li, M., Müller, T.A., Fraser, B.A. & Hausinger, R.P. 2008 Characterization of active site variants of xanthine hydroxylase from *Aspergillus nidulans*. *Arch. Biochem. Biophys.* **470**:44-53
144. Li, Y., Zhang, L., Zhou, H., Ouyang, H., Ming, J. & Jin, C. 2008 Deletion of the *msdS/AfmsdC* gene induces abnormal polarity and septation in *Aspergillus fumigatus*. *Microbiol.* **154**:1960-1972
145. Liao, X-g., Fang, W.-g., Zhang, Y.-j., Fan, Y.-h., Wu, X.-w., Zhou, Q. & Pei, Y. 2008 Characterization of a highly active promoter, PBbgpd, in *Beauveria bassiana*. *Curr. Microbiol.* **57**:121-126
146. Lima, J.F., Malavazi, I., Ferreira, M.E. da S., Savoldi, M., Mota, A.O.Jr., Capellaro, J.L., Goldman, M.H. de S. & Goldman, G.H. 2008 Functional characterization of the putative *Aspergillus nidulans* DNA damage binding protein homologue DdbA. *Mol. Genet. Genom.: MGG.* **279**:239-253
147. Ma, H., Snook, L.A., Kaminskyj, S.G.W. & Dahms, T.E.S. 2005 Surface ultrastructure and elasticity in growing tips and mature regions of *Aspergillus* hyphae describe wall maturation. *Microbiol.* **151**:3679-3688
148. Machida, M. 2008 The genome sequence of *Aspergillus oryzae*. Ch 6 in *The Aspergilli: genomics, medical aspects, biotechnology, and research methods*, ed. G.H. Goldman and S.A. Osmani, CRC Press, Boca Raton, pp 75-84
149. Maggio-Hall, L.A., Lyne, P., Wolff, J.A. & Keller, N.P. 2008 A single acyl-CoA dehydrogenase is required for catabolism of isoleucine, valine and short-chain fatty acids in *Aspergillus nidulans*. *Fungal Genet. Biol.* **45**:180-189
150. Malavazi, I., Lima, J.F., de Castro, P.A., Savoldi, M., Goldman, M.H. de S. & Goldman, G.H. 2008 Genetic interactions of the *Aspergillus nidulans atmA*^{ATM} homolog with different components of the DNA damage response pathway. *Genetics* **178**:675-691
151. Marx, F., Binder, U., Leiter, É. & Pócsi, I. 2008 The *Penicillium chrysogenum* antifungal protein PAF, a promising tool for the development of new antifungal therapies and fungal cell biology studies. *Cell. Mol. Life Sci.* **65**:445-454
152. May, G.S. 2008 Mitogen-activated protein kinase pathways in Aspergilli. Ch 9 in *The Aspergilli: genomics, medical aspects, biotechnology, and research methods*, ed. G.H. Goldman and S.A. Osmani, CRC Press, Boca Raton, pp 121-127
153. McCluskey, K. 2008 *Aspergillus* at the Fungal Genetics Stock Center. Ch 32 in *The Aspergilli: genomics, medical aspects, biotechnology, and research methods*, ed. G.H. Goldman and S.A. Osmani, CRC Press, Boca Raton, pp 527-535
154. Meyer, V., Arentshorst, M., van den Hondel, C.A.M.J.J. & Ram, A.F.J. 2008 The polarisome component SpaA localises to hyphal tips of *Aspergillus niger* and is important for polar growth. *Fungal Genet. Biol.* **45**:152-164
155. Mizutani, O., Kudo, Y., Saito, A., Matsuura, T., Inoue, H., Abe, K. & Gomi, K. 2008 A defect of LigD (human Lig4 homolog) for nonhomologous end joining significantly improves efficiency of gene-targeting in *Aspergillus oryzae*. *Fungal Genet. Biol.* **45**:878-889
156. Ng, C.A., Kato, Y., Tanokura, M. & Brownlee, R.T. 2008 Structural characterisation of PinA WW domain and a comparison with other group IV WW domains, Pin1 and Ess1. *Biochim. Biophys. Acta* **1784**:1208-1214
157. Ni, M. & Yu, J.H. 2007 A novel regulator couples sporogenesis and trehalose biogenesis in *Aspergillus nidulans*. *PLoS ONE* **2**:e970
158. Nielsen, M.L., de Jongh, W.A., Meijer, S.L., Nielsen, J. & Mortensen, U.H. 2007 Transient marker system for iterative gene targeting of a prototrophic fungus. *Appl. Env. Microbiol.* **73**:7240-7245
159. Nielsen, J.B., Nielsen, M.L. & Mortensen, U.H. 2008 Transient disruption of non-homologous end-joining facilitates targeted genome manipulations in the filamentous fungus *Aspergillus nidulans*. *Fungal Genet. Biol.* **45**:165-170
160. Novikova, O.S., Fet, V. & Blinov, A.G. 2007 [LTR retrotransposons from genomes of *Aspergillus fumigatus* and *A. nidulans*]. [Russian – not seen] *Molekuliarnaia Biologiya* **41**:830-838
161. Oakley, B.R. & Xiang, X. 2008 Fluorescent labels for intracellular structures and organelles. Ch 31 in *The Aspergilli: genomics, medical aspects, biotechnology, and research methods*, ed. G.H. Goldman and S.A. Osmani, CRC Press, Boca Raton, pp 513-525
162. Odon, D.M., Diatloff, E. & Roberts, S.K. 2007 A CLC chloride channel plays an essential role in copper homeostasis in *Aspergillus nidulans* at increased extracellular copper concentrations. *Biochim. Biophys. Acta. Biomemb.* **1768**:2466-2477
163. Oestreicher, N., Ribard, C. & Scazzocchio, C. 2008 The *nadA* gene of *Aspergillus nidulans*, encoding adenine deaminase, is subject to a unique regulatory pattern. *Fungal Genet. Biol.* **45**:760-775
164. Olivas, I., Royuela, M., Romero, B., Monteiro, M.C., Mínguez, J.M., Laborda, F. & De Lucas, J.R. 2008 Ability to grow on lipids accounts for the fully virulent phenotype in neutropenic mice of *Aspergillus fumigatus* null mutants in the key glyoxylate cycle enzymes. *Fungal Genet. Biol.* **45**:45-60
165. Olszewska, A., Król, K., Weglenski, P. & Dzikowska, A. 2007 Arginine catabolism in *Aspergillus nidulans* is regulated by the *rrmA* gene coding for the RNA-binding protein. *Fungal Genet. Biol.* **44**:1285-1297
166. Osmani, S.A., Liu, H.-L., Hynes, M.J. & Oakley, B.R. 2008 Advances in gene manipulation using *Aspergillus nidulans*. Ch 30 in *The Aspergilli: genomics, medical aspects, biotechnology, and research methods*, ed. G.H. Goldman and S.A. Osmani, CRC Press, Boca Raton, pp 493-511
167. Pantazopoulou, A. & Diallinas, G. 2007 Fungal nucleobase transporters. *FEMS Microbiol. Rev.* **31**:657-675
168. Paoletti, M., Seymour, F.A., Alcocer, M.J., Kaur, N., Calvo, A.M., Archer, D.B. & Dyer, P.S. 2007 Mating type and the genetic basis of self-fertility in the model fungus *Aspergillus nidulans*. *Curr. Biol.* **17**:1384-13489
169. Papageorgiou, I., Gournas, C., Vlantí, A., Amillis, S., Pantazopoulou, A. & Diallinas, G. 2008 Specific interdomain synergy in the UapA transporter determines its unique specificity for uric acid among NAT carriers. *J. Mol. Biol.* **382**:1121-1135
170. Paukstelis, P.J. & Lambowitz, A.M. 2008 Identification and evolution of fungal mitochondrial tyrosyl-tRNA synthetases with group I intron splicing activity. *Proc. Natl. Acad. Sci. USA.* **105**:6010-6015
171. Payne, G.A., Jiujiang, Y., Nierman, W.C., Machida, M., Bhatnagar, D., Cleveland, T.E. & Dean, R.A. 2008 A first glance at the genome sequence of *Aspergillus flavus*. Ch 2 in *The Aspergilli: genomics, medical aspects, biotechnology, and research methods*, ed. G.H. Goldman

and S.A. Osmani, CRC Press, Boca Raton, pp 15-23

172. Pel, H.J., de Winde, J.H., Archer, D.B., Dyer, P.S., Hofmann, G., Schaap, P.J., Turner, G., de Vries, R.P., Albang, R., Albermann, K., Andersen, M.R., Bendtsen, J.D., Benen, J.A.E., van den Berg, M., Breestraat, S., Caddick, M.X., Contreras, R., Cornell, M., Coutinho, P.M., Danchin, E.G.J., Debets, A.J.M., Dekker, P., van Dijck, P.W.M., van Dijk, A., Dijkhuizen, L., Driessen, A.J.M., d'Enfert, C., Geysens, S., Goosen, C., Groot, G.S.P., de Groot, P.W.J., Guillemette, T., Henrissat, B., Herweijer, M., van den Hombergh, J.P.T.W., van den Hondel, C.A.M.J.J., van der Heijden, R.T.J.M., van der Kaaij, R.M., Klis, F.M., Kools, H.J., Kubicek, C.P., van Kuyk, P.A., Lauber, J., Lu, X., van der Maarel, M.J.E.C., Meulenberg, R., Menke, H., Mortimer, M.A., Nielsen, J., Oliver, S.G., Olsthoorn, M., Pal, K., van Peij, N.N.M.E., Ram, A.F.J., Rinas, U., Roubos, J.A., Sagt, C.M.J., Schmoll, M., Sun, J., Ussery, D., Varga, J., Vervecken, W., van de Vondervoort, P.J.J., Wedler, H., Wösten, H.A.B., Zeng, A.-P., van Ooyen, A.J.J., Visser, J. & Stam, H. 2007 Genome sequencing and analysis of the versatile cell factory *Aspergillus niger* CBS 513.88. *Nature Biotechnol.* **25**:221-231
173. Peña-Montes, C., González, A., Castro-Ochoa, D. & Farrés, A. 2008 Purification and biochemical characterization of a broad substrate specificity thermostable alkaline protease from *Aspergillus nidulans*. *Appl. Microbiol. Biotechnol.* **78**:603-612
174. Peñalva, M.A., Tilburn, J., Bignell, E. & Arst, H.N.Jr. 2008 Ambient pH gene regulation in fungi: making connections. *Trends Microbiol.* **16**:291-300
175. Peterson, S.W. 2008 Phylogenetic analysis of *Aspergillus* species using DNA sequences from four loci. *Mycologia* **100**:205-226
176. Plummer, R., Bodkin, J., Power, D., Pantarat, N., Bubb, W.A., Kuchel, P.W. & Sorrell, T.C. 2007 Effect of caspofungin on metabolite profiles of *Aspergillus* species determined by nuclear magnetic resonance spectroscopy. *Antimicrob. Agents Chemother.* **51**:4077-4084
177. Plumridge, A., Stratford, M., Lowe, K.C. & Archer, D.B. 2008 the weak-acid preservative sorbic acid is decarboxylated and detoxified by a phenylacrylic acid decarboxylase, PadA1, in the spoilage mold *Aspergillus niger*. *Appl. Env. Microbiol.* **74**:550-552
178. Pöggeler, S., Hoff, B. & Kück, U. 2008 Asexual cephalosporin C producer *Acremonium chrysogenum* carries a functional mating type locus. *Appl. Env. Microbiol.* **74**:6006-6016
179. Purschwitz, J., Müller, S., Kastner, C., Schöser, M., Haas, H., Espeso, E.A., Atoui, A., Calvo, A.M. & Fischer, R. 2008 Functional and physical interaction of blue- and red-light sensors in *Aspergillus nidulans*. *Curr. Biol.* **18**:255-259
180. Pyrzak, W., Miller, K.Y. & Miller, B.L. 2008 mating type protein Mat1-2 from asexual *Aspergillus fumigatus* drives sexual reproduction in fertile *Aspergillus nidulans*. *Eukaryot. Cell* **7**:1029-1040
181. Ramirez-Prado, J.H., Moore, G.G., Horn, B.W. & Carbone, I. 2008 Characterization and population analysis of the mating-type genes in *Aspergillus flavus* and *Aspergillus parasiticus*. *Fung. Genet. Biol.* **45**:1292-1299
182. Reverberi, M., Zjalic, S., Ricelli, A., Punelli, F., Camera, E., Fabbri, C., Picardo, M., Fanelli, C. & Fabbri, A.A. 2008 Modulation of antioxidant defense in *Aspergillus parasiticus* is involved in aflatoxin biosynthesis: a role for the *ApyapA* gene. *Eukaryot. Cell* **7**:988-1000
183. Reyes-Dominguez, Y., Narendja, F., Berger, H., Gallmetzer, A., Fernandez-Martin, R., Garcia, I., Scazzocchio, C. & Strauss, J. 2008 Nucleosome positioning and histone H3 acetylation are independent processes in the *Aspergillus nidulans* *prnD-prnB* bidirectional promoter. *Eukaryot. Cell* **7**:656-663
184. Richie, D.L., Fuller, K.K., Fortwendel, J., Miley, M.D., McCarthy, J.W., Feldmesser, M., Rhodes, J.C. & Askew, D. 2007 Unexpected link between metal ion deficiency and autophagy in *Aspergillus fumigatus*. *Eukaryot. Cell* **6**:2437-2447
185. Rittenour, W.R., Harris, S.D. 2008 Characterization of *Fusarium graminearum* Mes1 reveals roles in cell-surface organization and virulence. *Fungal Genet. Biol.* **45**:933-946
186. Rizzello, C.G., De Angelis, M., Di Cagno, R., Camarca, A., Silano, M., Losito, I., De Vincenzi, M., De Bari, M.D., Palmisano, F., Maurano, F., Gianfrani, C. & Gobetti, M. 2007 Highly efficient gluten degradation by Lactobacilli and fungal proteases during food processing: new perspectives for celiac disease. *Appl. Env. Microbiol.* **73**:4499-4507
187. Robellet, X., Flipphi, M., Pégot, S., McCabe, A.P. & Vélot, C. 2008 AcpA, a member of the GPR1/FUN34/YaaH membrane protein family, is essential for acetate permease activity in the hyphal fungus *Aspergillus nidulans*. *Biochem. J.* **412**:485-493
188. Rokas, A. & Galagan, J.E. 2008 *Aspergillus nidulans* genome and a comparative analysis of genome evolution in *Aspergillus*. Ch 4 in The Aspergilli: genomics, medical aspects, biotechnology, and research methods, ed. G.H. Goldman and S.A. Osmani, CRC Press, Boca Raton, pp 43-55
189. Romani, L., Fallarino, F., De Luca, A., Montagnoli, C., D'Angelo, C., Zelante, T., Vacca, C., Bistoni, F., Fioretti, M.C., Grohmann, U., Segal, B.H. & Puccetti, P. 2008 Defective tryptophan catabolism underlies inflammation in mouse chronic granulomatous disease. *Nature* **451**: 211-215
190. Romano, J., Nimrod, G., Ben-Tal, N., Shadkchan, Y., Baruch, K., Sharon, H. & Osherov, N. 2006 Disruption of the *Aspergillus fumigatus* *ECM33* homologue results in rapid conidial germination, antifungal resistance and hypervirulence. *Microbiol.* **152**:1919-1928
191. Ronen, R., Sharon, H., Levdansky, E., Romano, J., Shadkchan, Y. & Osherov, N. 2007 The *Aspergillus nidulans* *pkcA* gene is involved in polarized growth, morphogenesis and maintenance of wall integrity. *Curr. Genet.* **51**:321-329
192. Roy, P., Lockington, R.A. & Kelly, J.M. 2008 CreA-mediated repression in *Aspergillus nidulans* does not require transcriptional auto-regulation, regulated intracellular localisation or degradation of CreA. *Fungal Genet. Biol.* **45**:657-670
193. Roze, L.V., Arthur, A.E., Hong, S.-Y., Chanda, A. & Linz, J.E. 2007 The initiation and pattern of spread of histone H4 acetylation parallels the order of transcriptional activation of genes in the aflatoxin cluster. *Mol. Microbiol.* **66**:713-726
194. Roze, L.V., Beaudry, R.M., Arthur, A.E., Calvo, A.M. & Linz, J.E. 2007 *Aspergillus volatiles* regulate aflatoxin synthesis and asexual sporulation in *Aspergillus parasiticus*. *Appl. Env. Microbiol.* **73**:7268-7276
195. Sakamoto, K., Arima, T.-h., Iwashita, K., Yamada, O., Gomi, K. & Akita, O. 2008 *Aspergillus oryzae* *atfB* encodes a transcription factor required for stress tolerance in conidia. *Fungal Genet. Biol.* **45**:922-932
196. Sánchez-Ferrero, J.C. & Peñalva, M.A. 2008 Endocytosis. Ch 12 in The Aspergilli: genomics, medical aspects, biotechnology, and

research methods, ed. G.H. Goldman and S.A. Osmani, CRC Press, Boca Raton, pp 177-195

197. Sasse, C., Bignell, E.M., Hasenberg, M., Hayes, K., Gunzeer, M., Braus, G.H. & Krappmann, S. 2008 Basal expression of the *Aspergillus fumigatus* transcriptional activator CpcA is sufficient to support pulmonary aspergillosis. *Fungal Genet. Biol.* **45**:693-704
198. Savoldi, M., Malavazi, I., Soriani, F.M., Capellaro, J.L., Kitamoto, K., Ferreira, M.E. de S., Goldman, M.H.S. & Goldman, G.H. 2008 Farnesol induces transcriptional accumulation of the *Aspergillus nidulans* Apoptosis-Inducing Factor (AIF)-like mitochondrial oxidoreductases. *Mol. Microbiol.* **70**:44-59
199. Scazzocchio, C. & Ramón, A. 2008 Chromatin in the genus *Aspergillus*. Ch 19 in *The Aspergilli: genomics, medical aspects, biotechnology, and research methods*, ed. G.H. Goldman and S.A. Osmani, CRC Press, Boca Raton, pp 321-342
200. Schmalhorst, P.S., Krappmann, S., Vervecken, W., Rohde, M., Müller, M., Braus, G.H., Contreras, R., Braun, A., Bakker, H. & Routier, F.H. 2008 Contribution of galactofuranose to the virulence of the opportunistic pathogen *Aspergillus fumigatus*. *Eukaryot. Cell* **7**:1268-1277
201. Schmidt-Heydt, M., Magan, N. & Geisen, R. 2008 Stress induction of mycotoxin biosynthesis genes by abiotic factors. *FEMS Microbiol. Lett.* **284**:142-149
202. Schneider, P., Weber, M. & Hoffmeister, D. 2008 The *Aspergillus nidulans* enzyme TdiB catalyzes prenyltransfer to the precursor of bioactive sterriquinones. *Fungal Genet. Biol.* **45**:302-309
203. Schrettl, M., Kim, H.S., Eisendle, M., Kragl, C., Nierman, W.C., Heinekamp, T., Werner, E.R., Jacobsen, I., Illmer, P., Yi, H., Brakhage, A.A. & Haas, H. 2008 SreA-mediated iron regulation in *Aspergillus fumigatus*. *Mol. Microbiol.* **70**:27-43
204. Schwab, E.K. & Keller, N.P. 2008 Regulation of secondary metabolite production in filamentous ascomycetes. *Mycol. Res.* **112**:225-230
205. Scully, L.R. & Bidochka, M.J. 2006 A cysteine/methionine auxotroph of the opportunistic fungus *Aspergillus flavus* is associated with host-range restriction; a model for emerging diseases. *Microbiol.* **152**:223-232
206. Semighini, C.P. & Harris, S.D. 2008 Regulation of apical dominance in *Aspergillus nidulans* hyphae by reactive oxygen species. *Genetics* **179**:1919-1932
207. Shafran, H., Miyara, I., Eshed, R., Prusky, D. & Sherman, A. 2008 Development of new tools for studying gene function in fungi based on the gateway system. *Fung. Genet. Biol.* **45**:1147-1154
208. Siemieniewicz, K.W. & Schrepf, H. 2007 Concerted responses between the chitin-binding protein secreting *Streptomyces olivaceoviridis* and *Aspergillus proliferans*. *Microbiol.* **153**:593-600
209. Singh, B.K., Jetley, U.K., Sharma, R.K. & Garg, B.S. 2007 Synthesis, characterization and biological activity of complexes of 2-hydroxy-3,5-dimethylacetophenoneoxime (HDMAOX) with copper(II), cobalt(II), nickel(II) and palladium(II). *Spectrochim. Acta A* **68**:63-73
210. Singh, R.S., Tiwary, A.K. & Bhari, R. 2008 Screening of *Aspergillus* species for occurrence of lectins and their characterization. *J. Basic Microbiol.* **48**:112-117
211. Smith, C.A., Robertson, D., Yates, B., Nielsen, D.M., Brown, D., Dean, R. & Payne, G.A. 2008 The effect of temperature on natural antisense transcript (NAT) expression in *Aspergillus flavus*. *Curr. Genet.* **54**:241-269
212. Soriani, F.M., Malavazi, I., Ferreira, M.E. da S., Savoldi, M., Kress, M.R. von Z., Goldman, M.H. de S., Loss, O., Bignell, E. & Goldman, G.H. 2008 Functional characterization of the *Aspergillus fumigatus* CRZ1 homologue, CrzA. *Mol. Microbiol.* **67**:1274-1291
213. Souza-Júnior, S.A., Becker, T.C.A. & Castro-Prado, M.A.A. 2007 Asexual recombination in a *uvsH* mutant of *Aspergillus nidulans*. *Biol. Res.* **40**:65-71
214. Spielvogel, A., Findon, H., Arst, H.N.Jr., Araújo-Bazán, L., Hernández-Ortíz, P., Stahl, U., Meyer, V. & Espeso, E.A. 2008 Two zinc finger transcription factors, CrzA and SltA, are involved in cation homeostasis and detoxification in *Aspergillus nidulans*. *Biochem. J.* **414**:419-429
215. Sprote, P. & Brakhage, A.A. 2007 The light-dependent regulator velvet A of *Aspergillus nidulans* acts as a repressor of the penicillin biosynthesis. *Arch. Microbiol.* **188**:69-79
216. Spröte, P., Hynes, M.J., Hortschansky, P., Shelest, E., Scharf, D.H., Wolke, S.M. & Brakhage, A.A. 2008 Identification of the novel penicillin biosynthesis gene *aatB* of *Aspergillus nidulans* and its putative evolutionary relationship to this fungal secondary metabolism gene cluster. *Mol. Microbiol.* **70**:445-461
217. Stack, D., Neville, C. & Doyle, S. 2007 Nonribosomal peptide synthesis in *Aspergillus fumigatus* and other fungi. *Microbiol.* **153**:1297-1306
218. Stadler, M. & Keller, N.P. 2008 Paradigm shifts in fungal secondary metabolite research. *Mycol. Res.* **112**:127-130
219. Steinbach, W.J. 2008 Clinical aspects of the genus *Aspergillus*. Ch 21 in *The Aspergilli: genomics, medical aspects, biotechnology, and research methods*, ed. G.H. Goldman and S.A. Osmani, CRC Press, Boca Raton, pp 359-375
220. Stie, J. & Fox, D. 2008 Calcineurin regulation in fungi and beyond. *Eukaryot. Cell* **7**:177-186
221. Stoll, L.B., Cremonesi, F.C.A., Pires, L.T.A., Zucchi, T.D. & Zucchi, T.M.A.D. 2008 Induction of mitotic crossing-over in diploid strains of *Aspergillus nidulans* using low-dose X-rays. *Genet. Mol. Res.* **7**:467-475
222. Suzuki, A., Kanamaru, K., Azuma, N., Kato, M. & Kobayashi, T. 2008 GFP-tagged expression analysis revealed that some histidine kinases of *Aspergillus nidulans* show temporally and spatially different expression during the life cycle. *Biosci. Biotechnol. Biochem.* **72**:428-434
223. Szeghalmi, A., Kaminskyj, S., Rosch, P., Popp, J. & Gough, K.M. 2007 Time fluctuations and imaging in the SERS spectra of fungal hypha grown on nanostructured substrates. *J. Phys. Chem. B*, **111**:12916-12924
224. Tamano, K., Sano, M., Yamane, N., Terabayashi, Y., Toda, T., Sunagawa, M., Koike, H., Hatamoto, O., Umitsuki, G., Takahashi, T., Koyama, Y., Asai, R., Abe, K. & Machida, M. 2008 Transcriptional regulation of genes on the non-syntenic blocks of *Aspergillus oryzae* and its functional relationship to solid-state cultivation. *Fungal Genet. Biol.* **45**:139-151
225. Tamayo, E.N., Villanueva, A., Hasper, A.A., de Graaff, L.H., Ramón, D. & Orejas, M. 2008 CreA mediates repression of the regulatory

- gene *xlnR* which controls the production of xylanolytic enzymes in *Aspergillus nidulans*. Fung. Genet. Biol. **45**:984-993
226. **Thykaer, J., Rueksomtawin, K., Noorman, H. & Nielsen, J.** 2008 NADPH-dependent glutamate dehydrogenase in *Penicillium chrysogenum* is involved in regulation of b-lactam production. Microbiol. **154**:1242-1250
227. **Tokuoka, M., Tanaka, M., Ono, K., Takagi, S., Shintani, T. & Gomi, K.** 2008 Codon optimization increases steady-state mRNA levels in *Aspergillus oryzae* heterologous gene expression. Appl. Env. Microbiol. **74**:6538-6546
228. **Upadhyay, S. & Shaw, B.D.** 2008 The role of actin, fimbrin and endocytosis in growth of hyphae in *Aspergillus nidulans*. Mol. Microbiol. **68**:690-705
229. **Valiente, V., Heinekamp, T., Jain, R., Härtl, A. & Brakhage, A.A.** 2008 The mitogen-activated protein kinase MpkA of *Aspergillus fumigatus* regulates cell wall signaling and oxidative stress response. Fungal Genet. Biol. **45**:618-627
230. **van de Vondervoort, P.J.I., Langeveld, S.M.J., Visser, J., van Peij, N.N.M.E., Pel, H.J., van den Hondel, C.A.M.J.J. & Ram, A.F.J.** 2007 Identification of a mitotic recombination hotspot on chromosome III of the asexual fungus *Aspergillus niger* and its possible correlation elevated basal transcription. Curr. Genet. **51**:107-114, Erratum p. 275.
231. **van der Kaaij, R.M., Janacek, S., van der Maarel, M.J.E.C. & Dijkhuizen, L.** 2007 Phylogenetic and biochemical characterization of a novel cluster of intracellular fungal α -amylase enzymes. Microbiol. **153**:4003-4015
232. **Virag, A., Lee, M.P., Si, H. & Harris, S.D.** 2007 Regulation of hyphal morphogenesis by *cdc42* and *rac1* homologues in *Aspergillus nidulans*. Mol. Microbiol. **66**:1579-1596
233. **Vlanti, A. & Diallinas, G.** 2008 The *Aspergillus nidulans* FcyB cytosine-purine scavenger is highly expressed during germination and in reproductive compartments and is downregulated by endocytosis. Mol. Microbiol. **68**:959-977
234. **Wagener, J., Echtenacher, B., Rohde, M., Kotz, A., Krappmann, S., Heesemann, J. & Ebel, F.** 2008 The putative α -1,2-mannosyltransferase AfMnt1 of the opportunistic fungal pathogen *Aspergillus fumigatus* is required for cell wall stability and full virulence. Euk. Cell **7**:1661-1673
235. **Wang, C.C.C., Chiang, Y.-M., Kuo, P.-L., Chang, J.-K. & Hsu, Y.L.** 2008 Norsolorinic acid from *Aspergillus nidulans* inhibits the proliferation of human breast adenocarcinoma MCF-7 cells via Fas-mediated pathway. Basic Clin. Pharmacol. Toxicol. **102**:491-497
236. **Wang, Y., Li, W., Siddiqi, Y., Kinghorn, J.R., Unkles, S.E. & Glass, A.D.** 2007 Evidence for post-translational regulation of NrtA, the *Aspergillus nidulans* high-affinity nitrate transporter. New Phytol. **175**:699-706
237. **Wang, Y., Li, W., Siddiqi, Y., Symington, V.F., Kinghorn, J.R., Unkles, S.E., & Glass, A.D.M.** 2008 Nitrite transport is mediated by the nitrite-specific high-affinity NitA transporter and by nitrate transporters NrtA, NrtB in *Aspergillus nidulans*. Fungal Genet. Biol. **45**:94-102
238. **Wang, Y., Xue, W., Sims, A.H., Zhao, C., Wang, A., Tang, G., Qin, J. & Wang, H.** 2008 Isolation of four pepsin-like protease genes from *Aspergillus niger* and analysis of the effect of disruptions on heterologous laccase expression. Fungal Genet. Biol. **45**:17-27
239. **Wong, K.H., Hynes, M.J. & Davis, M.A.** 2008 Recent advances in nitrogen regulation: a comparison between *Saccharomyces cerevisiae* and filamentous fungi. Eukaryot. Cell **7**:917-925
240. **Wong, K.H., Todd, R.B., Oakley, B.R., Oakley, C.E., Hynes, M.J. & Davis, M.A.** 2008 Sumoylation in *Aspergillus nidulans*: *sumO* inactivation, overexpression and live-cell imaging. Fungal Genet. Biol. **45**:728-737
241. **Wynshaw-Boris A.** 2007 Lissencephaly and LIS1: insights into the molecular mechanisms of neuronal migration and development. Clin. Gen. **72**:296-304
242. **Yamazaki, H., Tanaka, A., Kaneko, J.-i., Ohta, A. & Horiuchi, H.** 2008 *Aspergillus nidulans* ChiA is a glycosylphosphatidylinositol (GPI)-anchored chitinase specifically localized at polarized growth sites. Fung. Genet. Biol. **45**:963-972
243. **Yang, Y., El-Ganiny, A.M., Bray, G.E., Sanders, D.A. & Kaminskyj, S.G.** 2008 *Aspergillus nidulans* *hypB* encodes a Sec7-domain protein important for hyphal morphogenesis. Fungal Genet. Biol. **45**:749-759
244. **Yoshinari, T., Akiyama, T., Nakamura, K., Kondo, T., Takahashi, Y., Muraoka, Y., Nonomura, Y., Nagasawa, H. & Sakuda, S.** 2007 Diocatin A is a strong inhibitor of aflatoxin production by *Aspergillus parasiticus*. Microbiol. **153**:2774-2780
245. **Yoshinari, T., Yaguchi, A., Takahashi-Ando, N., Kimura, M., Takahashi, H., Nakajima, T., Sugita-Konishi, Y., Nagasawa, H. & Sakuda, S.** 2008 Spiroethers of German chamomile inhibit production of aflatoxin G₁ and trichothecene mycotoxin by inhibiting cytochrome P450 monooxygenases involved in their biosynthesis. FEMS Microbiol. Lett. **284**:184-190
246. **Yu, J., Payne, G.A., Campbell, B.C., Guo, B., Cleveland, T.E., Robens, J.F., Keller, N.P., Bennett, J.W. & Nierman, W.C.** 2008 Mycotoxin production and prevention of aflatoxin contamination in food and feed. Ch 27 in The Aspergilli: genomics, medical aspects, biotechnology, and research methods, ed. G.H. Goldman and S.A. Osmani, CRC Press, Boca Raton, pp 457-472
247. **Yu, J.-H. & d'Enfert, C.** 2008 Signal transduction in Aspergilli. Ch 7 in The Aspergilli: genomics, medical aspects, biotechnology, and research methods, ed. G.H. Goldman and S.A. Osmani, CRC Press, Boca Raton, pp 87-102
248. **Yuan, X.-L., Goosen, C., Kools, H., van der Maarel, M.J.E.C., van den Hondel, C.A.M.J.J., Dijkhuizen, L. & Ram, A.F.J.** 2006 Database mining and transcriptional analysis of genes encoding inulin-modifying enzymes of *Aspergillus niger*. Microbiol. **152**:3061-3073
249. **Yuan, X.-L., Roubos, J.A., van den Hondel, C.A.M.J.J. & Ram, A.F.J.** 2008 Identification of InuR, a new Zn(II)2Cys6 transcriptional activator involved in the regulation of inulolytic genes in *Aspergillus niger*. Mol Genet. Genom. **279**:11-26
250. **Yuan, X.-L., van der Kaaij, R.M., van den Hondel, C.A.M.J.J., Punt, P.J., van der Maarel, M.J.E.C., Dijkhuizen, L. & Ram, A.F.J.** 2008 *Aspergillus niger* genome-wide analysis reveals a large number of novel α -glucan acting enzymes with unexpected expression profiles. Mol. Genet. Genom. **279**:545-561
251. **Yuvamoto, P.D. & Said, S.** 2007 Germination, duplication cycle and septum formation are altered by caffeine, caffeic acid and cinnamic acid in *Aspergillus nidulans*. Mikrobiol. **76**:830-833
252. **Zaas, A.K. & Steinbach, W.J.** 2008 Mammalian models of aspergillosis. Ch 23 in The Aspergilli: genomics, medical aspects, biotechnology, and research methods, ed. G.H. Goldman and S.A. Osmani, CRC Press, Boca Raton, pp 401-412

253. Zhang, J., Wang, L., Zhuang, L., Huo, L., Musa, S., Li, S. & Xiang, X. 2008 Arp11 affects dynein-dynactin interaction and is essential for dynein function in *Aspergillus nidulans*. *Traffic*. **9**:1073-1087
254. Zhao, Q., Yuan, S., Wang, X., Zhang, Y., Zhu, H. & Lu, C. 2008 Restoration of mature etiolated cucumber hypocotyl cell wall susceptibility to expansin by pretreatment with fungal pectinase and EGFA in vitro. *Plant Physiol*. **147**:1874-1885
255. Zhou, H., Hu, H., Zhang, L., Li, R., Ouyang, H., Ming, J. & Jin, C. 2007 O-mannosyltransferase 1 in *Aspergillus fumigatus* (Afpmt1p) is crucial for cell wall integrity and conidium morphology, especially at an elevated temperature. *Eukaryot. Cell* **6**:2260-2268
-

[Keyword Index](#)

[Author Index](#)

Aspergillus authors

Abe, K. 1 155 224
Abt, B. 101
Abu Seadah, A.A. 2
Adachi, Y. 31
Ahuja, M. 3
Akita, O. 195
Akiyama, T. 244
Al-Abdallah, Q. 101
Albang, R. 172
Albar, J.P. 6
Albarraq, A. 61
Albermann, K. 172
Alcocer, M.J. 168
Altmann, F. 17
Amadeo, P. 61
Amillis, S. 4 79 169
Anderson, M.J. 61 62
Andersen, M.R. 5 172
Andrews, D.L. 73
Andrewski, M.D. 84 85
Angiuoli, S. 61
Aramayo, R. 135
Araújo-Bazán, L. 6 7 214
Araya-Secchi, R. 43
Archer, D.B. 168 172 177
Arentshorst, M. 47 154
Arima, T.-h. 195
Aris, J.P. 18
Arst, H.N.Jr. 32 71 96 174 214
Arthur, A.E. 193 194
Asai, R. 224
Asfaw, Y.G. 46
Askew, D.S. 18 68 184
Assinder, S.J. 24
Asther, M. 16 140
Atoui, A. 8 179
Azuma, N. 222
Bach, J. 78
Bacon, W.C. 68
Badger, J. H. 61
Baker, S.E. 9
Bakker, H. 200
Balibar, C.J. 10
Bao, D. 8
Barna, T. 56
Barton, L.M. 11
Baruch, K. 190
Basheer, A. 17
Bayram, O. 12 13 14 94
Beaudry, R.M. 194
Becker, T.C.A. 213
Belaish, R. 15
Bendtsen, J.D. 172
Benen, J.A.E. 172
Bennett, J.W. 9 246
Benoit, I. 16
Ben-Tal, N. 190
Berger, H. 17 115 183

Bergmann, S. 101
Bernardo, S.M. 119
Bernreiter, A. 115
Bhabhra, R. 18
Bhari, R. 210
Bhatnagar, D. 171
Bidochka, M.J. 59 205
Biesemann, C. 12
Bignell, E.M. 49 174 197 212
Billini, M. 20
Binder, U. 151
Birch, M. 97
Bistoni, F. 189
Blinov, A.G. 160
Böck, S. 17
Bodkin, J. 176
Bogdanov, Iu.F. 19
Bok, J.W. 13 85 117
Boulat, O. 133
Bourne, Y. 16
Bouzarelou, D. 20
Bowyer, P. 61 92
Braaksma, M. 21
Brakhage, A.A. 80 101 139 203 215 216 229
Braumann, I. 22 23
Braun, A. 200
Braus, G.H. 12 13 14 53 94 197 200
Braus-Stromeyer, S. 13 53
Bray, G.E. 243
Breakspear, A. 24 25 26
Breestraat, S. 172
Brock, M. 27 67
Brodhagen, M. 28
Bromley, M. 97
Brown, D. 211
Brown, S.H. 29
Brownlee, R.T. 156
Brust, D. 83
Bubb, W.A. 176
Busch, S. 53 94
Bussey, H. 61
Bussink, H.-J. 32
Caddick, M.X. 30 172
Cai, J. 31
Calcagno-Pizarelli, A.M. 32
Calvo, A.M. 8 33 168 179 194
Camarca, A. 186
Camera, E. 182
Campbell, B.C. 124 246
Canaan, S. 16
Capellaro, J.L. 146 198
Carbone, I. 181
Cardoso, P.G. 34
Casadevall, A. 35
Castro-Ochoa, D. 173
Castro-Prado, M.A.A. 213
Cha, S.-S. 123
Chae, K.-S. 87 88
Chae, S.-K. 116
Challis, G.L. 36

Chamilos, G. 37
Chan, K.L. 124
Chanda, A. 193
Chang, J.-K. 235
Cheetham, B.F. 119
Chiang, Y.-M. 38 235
Chikamatsu, G. 55
Choi, S.K. 113
Chooi, Y.-H. 39
Chung, D. 75
Cleveland, T.E. 171 246
Clutterbuck, A.J. 40 41
Cohen, B.L. 42
Colombres, M. 43
Conesa, A. 141
Contreras, R. 172 200
Cornell, M. 172
Coronado, J.E. 44
Cotty, P.J. 61
Coutinho, P.M. 16 140 172
Cowen, L.E. 45
Crabtree, J. 61
Cramer, R.A.Jr. 46
Cremonesi, F.C.A. 221
D'Angelo, C. 189
Dahms, T.E.S. 147
Dalik, T. 17
Damveld, R.A. 47
Danchin, E.G.J. 172
Dangott, L.J. 136
Dauvrin, T. 51
David, H. 48
Davidson, A.D. 38
Davis, M.A. 39 104 239 240
De Angelis, M. 186
de Araújo, E.F. 34
De Bari, M.D. 186
de Bekker, C. 141
de Castro, P.A. 150
de Gouvêa, P.F. 49
de Graaff, L.H. 225
de Groot, P.W.J. 172
de Jongh, W.A. 158
De Luca, A. 189
De Lucas, J.R. 50 164
De Maeseneire, S.L. 51
de Queiroz, M.V. 34
De Vincenzi, M. 186
de Vries, R.P. 141 172
de Winde, J.H. 172
Dean, R.A. 171 211
Debets, A.J.M. 172
Debieu, D. 78
Dekker, P. 172
Delattre, M. 140
d'Enfert, C. 172 247
Denison, S.H. 32
Denning, D.W. 61 62 92
Di Cagno, R. 186
Diallinas, G. 4 52 79 167 169 233

Diatloff, E. 162
Dijkhuizen, L. 172 231 248 250
Dobson, C. 30
Doonan, J. 65
Doyle, S. 217
Draht, O.W. 53
Driessen, A.J.M. 172
Droin-Bergère, S. 27
Dussurget, O. 27
Dyer, P.S. 61 168 172
Dzikowska, A. 165
Ebel, F. 234
Echtenacher, B. 234
Egan, A. 61
Eisendle, M. 101 203
El Shikh, M.E. 2
El-Ganiny, A.M. 243
Elix, J.A. 39
Emri, T. 54
Endo, Y. 55
Epstein, S.L. 44
Erdei, É. 56
Eshed, R. 207
Espeso, E.A. 6 7 32 57 58 179 214
Etxebeste, O. 6 58
Eyzaguirre, J. 43
Fabbri, A.A. 182
Fabbri, C. 182
Fallarino, F. 189
Fan, Y.-h. 145
Fanelli, C. 182
Fang, W.-g. 59 145
Farman, M. 40
Farrés, A. 173
Fay, L.M. 106
Fecik, R.A. 60
Fedorova, N.D. 61 62
Fekete, E. 63
Feldmesser, M. 99 184
Fernández-Bodega, M.A. 74
Fernandez-Martin, R. 183
Fernández-Martínez, J. 6
Ferreira, M.E. da S. 49 146 198 212
Fet, V. 160
Feussner, I. 28
Fierro, F. 72 74
Findon, H. 214
Fioretti, M.C. 189
Fischer, R. 58 64 65 66 179
Fleck, C.B. 67
Flipphi, M. 187
Fortwendel, J.R. 18 68 114 184
Fournier, E. 78
Fox E.M. 69
Fox, D. 220
Franken, A. 47
Fraser, B.A. 143
Fraser-Liggett, C.M. 61
Fratti, M. 133
Freitag, M. 135

Freitas, J.S. 70
Frisvad, J.C. 117
Fujii, I. 39
Fuller, K.K. 68 184
Gaind, S. 130
Galagan, J.E. 188
Galens, K. 61
Galindo, A. 71
Galland, P. 12
Gallmetzer, A. 115 183
Garate, J.A. 43
Garcia, I. 183
Garcia-Estrada, C. 72
García-Pedrajas, M.D. 73
García-Rico, R.O. 74
Garg, B.S. 209
Garscha, U. 75 77
Garzia, A. 58
Gehrke, A. 80
Geisen, R. 201
Gent, M. 76
Gerngross, T. 115
Geysens, S. 172
Gianfrani, C. 186
Giangregorio, N. 50
Gioti, A. 78
Giraud, C. 78
Glass, A.D.M. 236 237
Gobbetti, M. 186
Goebel, C. 28
Gold, S.E. 73
Goldman, G.H. 49 53 61 146 150 198 212
Goldman, M.H. de S. 49 146 150 198 212
Gómez, A. 74
Gomi, K. 1 155 195 227
González, A. 173
Goosen, C. 172 248
Gordon, B.S. 106
Gorfinkiel, L. 89
Goudela, S. 79
Gough, K.M. 118 223
Gournas, C. 169
Grayburn, W.S. 8
Greenstein, S. 15
Grohmann, U. 189
Groot, G.S.P. 172
Grosse, C. 80
Grosse, V. 81
Guillemette, T. 172
Gulshan, K. 82
Gunzeer, M. 197
Guo, B. 246
Haas, B.J. 61
Haas, H. 101 179 203
Haertl, A. 139
Hamann, A. 83
Hamari, Z. 4 112
Hamberg, M. 75
Hammond, T.M. 84 85 86
Han, D.-M. 87 88

Han, K.-H. 87 88
Harispe, L. 89
Harris, D.M. 90
Harris, S.D. 91 185 206 232
Härtl, A. 229
Hasenberg, M. 197
Hasper, A.A. 225
Hatabayashi, H. 31
Hatamoto, O. 224
Hatzl, C. 115
Hausinger, R.P. 143
Hawkins, A.R. 125
Hayes, K. 197
Hedayati, M.T. 92
Heesemann, J. 234
Heinekamp, T. 80 203 229
Heitman, J. 46 93 114
Helmstaedt, K. 13 53 94
Henrissat, B. 140 172
Henry, C. 95
Hernández-Ortíz, P. 214
Hervás-Aguilar, A. 32 71 96
Herweijer, M. 16 172
Hey, P. 97
Hill, T.W. 106
Ho, W.-Y. 38
Hoff, B. 98 107 178
Hoffmeister, D. 202
Hofmann, E. 107
Hofmann, G. 48 172
Hofmann, K. 53
Hohl, T.M. 99
Hong, S.-Y. 100 193
Hoppert, M. 94
Horiuchi, H. 105 242
Horn, B.W. 181
Hornung, E. 28
Hortschansky, P. 101 216
Howard-Jones, A.R. 10
Howlett, B. 69 93
Hsu, Y.L. 235
Hu, H. 255
Hubbard, M.A. 102
Huo, L. 253
Hynes, M.J. 103 104 166 216 239 240
Iacobazzi, V. 50
Ibrihaim-Granet, O. 27
Ichinomiya, M. 105
Illmer, P. 203
Indiveri, C. 50
Inman, J.M. 61
Inoue, H. 155
Ito, Y. 31
Itoh, Y. 131
Iversen, J.J.L. 111
Iwashita, K. 195
Jackson-Hayes, L. 106
Jacobsen, I. 203
Jahng, K.Y. 88
Jain, R. 229

Janacek, S. 231
Janus, D. 107
Jernerén, F. 75
Jetley, U.K. 209
Jiang, B. 61
Jiang, H. 108
Jilkine, K. 118
Jin, C. 108 144 255
Jiujiang, Y. 171
Joardar, V.S. 61 62
Johnson, C. 125
Johnson, L. 109
Jones, M.G. 110
Jónsdóttir, S.O. 126
Jørgansen, T.R. 111
Jouvion, G. 27
Juhász, A. 112
Jun, K.O. 113
Jurka, J. 41
Justyák, A. 54
Juvvadi, P.R. 114
Kafer, E. 116
Kainz, E. 115
Kale, S.P. 117
Kaminskyj, S.G.W. 118 102 147 223 243
Kanamaru, K. 222
Kaneko, J.-i. 242
Kang, S.-O. 123
Kapa, L.B. 73
Kapitonov, V.V. 41
Karaffa, L. 63
Kastner, C. 179
Kato, M. 55 101 222
Kato, N. 55
Kato, Y. 156
Katz, M.E. 119
Kaur, N. 8 168
Kaya, A.D. 120
Keays DA. 121
Keller, N.P. 13 28 29 75 84 85 86 117 149 204 218 246
Kelly, J.M. 192
Kempken, F. 22 23
Kent, R. 61
Keszthelyi, A. 112
Khaldi, N. 61 122
Khew, .S. 104
Kim, D.-W. 123
Kim, H.S. 18 203
Kim, I.-K. 123
Kim, J.H. 88 124
Kim, M.-K. 123
Kim, S. 88
Kim, Y.-M. 123
Kimura, M. 245
Kingham, J.R. 236 237
Kiraz, N. 120
Kitamoto, K. 198
Klis, F.M. 47 172
Kniemeyer, O. 80 101 139
Kobayashi, T. 55 222

Koike, H. 224
Kondo, T. 244
Kools, H.J. 172 248
Koshi, Y. 105
Kotaka, M. 125
Kotz, A. 234
Kouskoumvekaki, I. 126
Koyama, Y. 224
Kragl, C. 203
Krappmann, S. 12 13 14 81 127 197 200 234
Kremer, A. 128
Kress, M.R. von Z. 212
Król, K. 165
Kronstad, J.W. 129
Kubicek, C.P. 172
Kuchel, P.W. 176
Küick, U. 98 107 178
Kucsera, J. 112
Kudo, Y. 155
Kumar, A. 130
Kunert, J. 133
Kuo, E. 38
Kuo, P.-L. 235
Kurzai, O. 139
Kuwano, T. 131
Kwon, N.-J. 13 58
Laborda, F. 164
Lagos, C.F. 43
Lamb, H.K. 125
Lambowitz, A.M. 170
Langeveld, S.M.J. 230
Langford, K.J. 24
Lanthaler, K. 76
Larrondo, L. 43
Latgé, J.-P. 95
Lauber, J. 172
Laubinger, K. 94
Lavín, J.L. 132
Lawrie, A.C. 39
le Pêcheur. 78
Léchenne, B. 133
Lee, B.J. 113
Lee, C.-Z. 134
Lee, D.W. 135
Lee, J.H. 113
Lee, M.P. 232
Lee, S.C. 136 137
Lee, S.-S. 88
Leeder, A.C. 138
Lehmann, L. 5
Leiter, É. 151
Lemieux, S. 61
leroux, P. 78
Lesage-Meesen, L. 16
Lessing, F. 139
Levasseur, A. 140
Levdansky, E. 15 191
Levin, A.M. 141
Levis, C. 78
Li, C.Y. 142

Li, H. 115
Li, J.B. 142
Li, M. 143
Li, R. 255
Li, S. 253
Li, S.-M. 128
Li, W. 236 237
Li, Y. 144
Liao, X-g. 145
Lima, J.F. 146 150
Linz, J.E. 100 193 194
Liou, G.-Y. 134
Lipke, P.N. 44
Liu, H.-L. 166
Lo, H.-C. 38
Lockington, R.A. 192
Loeffler, J. 139
Loprete, D.M. 106
Losito, I. 186
Loss, O. 49 212
Louwhoff. S.H.J.J. 39
lowe, K.C. 177
Lu, C. 254
Lu, X. 172
Lyne, P. 149
Ma, H. 147
Machida, M. 148 171 224
Magan, N. 201
Maggio-Hall, L.A. 149
Mahoney, N. 124
Maiti, R. 61
Maiti, R. 62
Malavazi, I. 49 61 72 146 150 198 212
Martín, J.F. 74
Marx, F. 151
Matsuura, T. 155
Maurano, F. 186
Mauriz, E. 74
May, G.S. 124 152
McCabe, A.P. 187
McCarthy, J.W. 184
McCluskey, K. 153
Meijer, S.L. 158
Menke, H.H. 141 172
Meulenberg, R. 172
Meyer, V. 154 214
Milde, L. 117
Miley, M.D. 184
Miller, B.L. 180
Miller, K.Y. 180
Ming, J. 144 255
Mínguez. J.M. 164
Miskei, M. 56
Miyara, I. 207
Mizutani, O. 155
Mneimneh, S. 44
Molyneux, R.J. 124
Momany, M. 24 25 26
Monod, M. 133
Montagnoli, C. 189

Monteiro, M.C. 164
Moon, H. 88
Moore, G.G. 181
Morimoto, M. 55
Mortensen, U.H. 158 159
Mortimer, M.A. 172
Mota, A.O.Jr. 146
Mouyna, I. 95
Moye-Rowley, W.S. 82
Müller, M. 200
Müller, S. 179
Müller, T.A. 143
Múnero-Huertas, T. 32
Muraoka, Y. 244
Murray, S.L. 104
Musa, S. 253
Nadal, M. 73
Nagasawa, H. 244 245
Nain, L. 130
Nakagawa, H. 31
Nakajima, H. 31
Nakajima, T. 245
Nakamura, K. 244
Narendja, F. 183
Navarro, D. 16
Nayak, T. 38
Negrete-Urtasun, S. 32
Nett, J.H. 115
Neville, C. 217
Ng, C.A. 156
Ni, M. 13 58 157
Nicola, M.-A. 27
Nielsen, D.M. 211
Nielsen, J. 5 48 158 172 226
Nielsen, J.B. 159
Nielsen, M.L. 158 159
Nierman, W.C. 18 61 62 171 203 246
Nimrod, G. 190
Nkashama, S.A. 106
Nonomura, Y. 244
Noorman, H. 226
Norambuena, P. 43
Novikova, O.S. 160
Oakley, B.R. 38 161 166 240
Oakley, C.E. 240
Oddon, D.M. 162
Oestreicher, N. 163
Oguiza, J.A. 132
Ohta, A. 105 242
Olivas, I. 164
Oliver, S.G. 172
Oliw, E.H. 75 77
Olsson, L. 126
Olsthoorn, M. 172
Olszewska, A. 165
Ono, K. 227
Orejas, M. 225
Orvis, J. 61
Oshero, N. 15 190 191
Osiewacz, H.D. 83

Osmani, S.A. 57 166
Ouyang, H. 108 144 255
Özcelik, I.S. 48
Pachlinger, R. 115
Padra, J. 63
Pal, K. 172
Palmieri, F. 50
Palmisano, F. 186
Panagiotou, G. 5 126
Pantarat, N. 176
Pantazopoulou, A. 167 169
Paoletti, M. 168
Papageorgiou, I. 169
Park, J.R. 113
Park, S. 46
Pasqualotto, A.C. 92
Patel, R.K. 106
Paukstelis, P.J. 170
Payne, G.A. 171 211 246
Pégot, S. 187
Pei, Y. 59 145
Pel, H.J. 172 230
Peñalva, M.A. 6 7 32 71 89 96 174 196
Peña-Montes, C. 173
Perez, P. 50
Pérez-Acle, T. 43
Perfect, B.Z. 46 114
Perfect, J.R. 46
Perlin, D.S. 46
Perlin, M.H. 73
Peterson, S.W. 175
Pfeiffer, I. 112
Picardo, M. 182
Pinchai, N. 46 114
Pires, L.T.A. 221
Pirofski, L.-a. 35
Pisabarro, A.G. 132
Piumi, F. 140
Plummer, R. 176
Plumridge, A. 177
Pócsi, I. 54 56 151
Pöggeler, S. 98 178
Pontarotti, P. 140
Popp, J. 223
Portela, C. 89
Poulsen, B.R. 111
Power, D. 176
Prade, R.A. 11
Pradier, J.M. 78
Praseuth, A. 38
Pronk, J.T. 90
Prusky, D. 207
Puccetti, P. 189
Punekar, N.S. 3
Punelli, F. 182
Punt, P.J. 21 47 250
Purschwitz, J. 179
Pusztahelyi, T. 56
Pyrzak, W. 180
Qin, J. 238

Qui, W.-G. 44
Quiroz, S. 43
Ram, A.F.J. 47 154 172 230 248 249 250
Ramírez, L. 132
Ramirez-Prado, J.H. 181
Ramón, A. 199
Ramón, D. 225
Rancurel, C. 140
Record, E. 16 140
Reichard, U. 79 133
Ren, J. 125
Reverberi, M. 182
Reyes-Domingues, Y. 17 85 115 183
Rhodes, J.C. 18 68 184
Ribard, C. 163
Ribeiro, J.B. 34
Ricelli, A. 182
Richie, D.L. 18 184
Rinas, U. 172
Ríos, V.M. 6
Rittenour, W.R. 185
Rizzello, C.G. 186
Robellet, X. 187
Robens, J.F. 246
Roberts, S.K. 162
Robertson, D. 211
Robson, G. 97
Rodríguez, J.M. 96
Rodríguez-Galán, O. 71
Roemer, T. 61
Rohde, M. 200 234
Rokas, A. 188
Romani, L. 189
Romano, J. 190 191
Romero, B. 164
Ronen, R. 191
Ronning, C.M. 61
Roossinck, M.J. 84
Rosch, P. 223
Rossi, A. 70
Roubos, J.A. 172 249
Roumelioti, K. 4 20
Routier, F.H. 200
Roy, P. 192
Royuela, M. 164
Roze, L.V. 193 194
Rudnicka, J.D. 32
Rueksomtawin, K. 226
Ruijter, G.J.G. 111
Sagt, C.M.J. 172
Said, S. 251
Saito, A. 155
Sakamoto, K. 195
Sakuda, S. 244 245
Salazar, M.P. 5
Sanchez, J.F. 38
Sánchez-Ferrero, J.C. 196
Sanders, D.A. 243
Sano, M. 224
Sartain, C.V. 106

Sasse, C. 197
Savoldi, M. 49 146 150 198 212
Scazzocchio, C. 4 85 89 163 183 199
Schaap, P.J. 172
Scharf, D.H. 216
Schinko, T. 115
Schmalhorst, P.S. 200
Schmidt, A.D. 101
Schmidt-Heydt, M. 201
Schmidtke, S.N. 136
Schmoll, M. 172
Schneider, P. 202
Schöser, M. 179
Schrempf, H. 208
Schrettl, M. 203
Schwab, E.K. 204
Scully, L.R. 205
Seeber, B. 101
Segal, B.H. 189
Seiler, S. 14 94
Selker, E.U. 135
Semighini, C.P. 206
Seymour, F.A. 168
Shadkchan, Y. 15 190 191
Shafran, H. 207
Sharma, R.K. 209
Sharon, H. 15 190 191
Sharpee, W.C. 29
Shaw, B.D. 136 137 228
Shelest, E. 216
Sherman, A. 207
Shima, Y. 31
Shintani, T. 227
Shirai, K. 55
Shirataki, C. 131
Si, H. 232
Siddiqi, Y. 236 237
Siemieniewicz, K.W. 208
Silano, M. 186
Silva, E.M. 70
Silva, J.C. 61
Simityan, H. 38
Sims, A.H. 238
Singh, B.K. 209
Singh, R.S. 210
Sjollema, K. 72
Smith, C.A. 211
Snook, L.A. 147
Soetaert, W.K. 51
Sophianopoulou, V. 20
Soriani, F.M. 49 198 212
Sorrell, T.C. 176
Souza-Júnior, S.A. 213
Spielvogel, A. 214
Spröte, P. 215 216
Stack, D. 217
Stadler, M. 218
Stahl, U. 214
Stalker, D.M. 39
Stam, H. 172

Stammers, D.K. 125
Stanton, L. 32
Steinbach, W.J. 45 46 114 219 252
Stephens, T.J. 68
Stie, J. 220
Stoll, L.B. 221
Stratford, M. 177
Strauss, J. 17 115 183
Sugita-Konishi, Y. 245
Sun, J. 172
Sunagawa, M. 224
Sundaram, J.P. 61
Sutton, G. 61
Suzuki, A. 222
Symington, V.F. 237
Szeghalmi, A. 118 223
Szentirmai, A. 63
Szewczyk, E. 38
Szilágyi, M. 54
Takagi, S. 227
Takahashi, H. 245
Takahashi, T. 224
Takahashi, Y. 244
Takahashi-Ando, N. 245
Takeshita, N. 65 66
Talon, M. 141
Tamano, K. 224
Tamayo, E.N. 225
Tanaka, A. 242
Tanaka, M. 227
Tang, G. 238
Tanokura, M. 156
Teixeira, J.A. 34
Terabayashi, Y. 224
Thön, M. 101
Thykaer, J.
Tilburn, J. 32 71 96 226
Tiwary, A.K. 210
Toda, T. 224
Todd, R.B. 240
Tokuoka, M. 227
Tonazzi, A. 50
Trapp, M.K. 117
Tsitsigiannis, D.I. 28
Tsukagoshi, N. 55
Turner, G. 61 62 138 172
Uchida, H. 105
Ugalde, U. 58
Umitsuki, G. 224
Unkles, S.E. 236 237
Upadhyay, S. 228
Ussery, D. 172
Vaca, I. 72
Vacca, C. 189
Vágvölgyi, C. 112
Valerius, O. 13 94
Valiente, V. 229
Van Bogaert, I.N. 51
van de Vondervoort, P.J.I. 172 230
van den Berg, M. 22 23 172

van den Hombergh, J.P.T.W. 172
van den Hondel, C.A.M.J.J. 47 154 172 230 248 249 250
van der Heijden, R.T.J.M. 172
van der Kaaij, R.M. 172 231 250
van der Krogt, Z. 90
van der Maarel, M.J.E.C. 172 231 248 250
van Dijck, P.W.M. 172
van Dijk, A. 172
van Dijken, J.P. 90
van Gulik, W.M. 90
van Kuyk, P.A. 172
van Ooyen, A.J.J. 172
van Peij, N.N.M.E. 141 172 230
Vandamme, E.J. 51
vanKuyk, P.A. 111
Varga, J. 172
Veenhuis, M. 72
Vélot, C. 187
Venter, J.C. 61
Vervecken, W. 172 200
Villanueva, A. 225
Vincent, O. 71
Virag, A. 232
Visser, J. 111 172 230
Vlanti, A. 169 233
Vogt, N. 14
Vongsangnak, W. 5
Vosskuhl, K. 94
Wagener, J. 234
Walsh, C.T. 10
Wang, A. 238
Wang, C.C. 38
Wang, C.C.C. 235
Wang, H. 238
Wang, L. 253
Wang, X. 254
Wang, Y. 236 237 238
Warn, P.A. 92
Watanabe, K. 38
Weber, M. 202
Wedler, H. 172
Weglenski, P. 165
Werner, E.R. 101 203
Westrich, L. 128
White, O.R. 61
Whitty, B.R. 61
Wildt, S. 115
Wolfe, K.H. 61 122
Wolff, J.A. 149
Wolke, S.M. 216
Wong, K.H. 239 240
Wortman, J.R. 61
Wösten, H.A.B. 141 172
Wozniok, I. 139
Wu, X.-w. 145
Wynshaw-Boris A. 241
Xiang, X. 161 253
Xu, M.H. 142
Xue, W. 238
Yabe, K. 31

Yaguchi, A. 245
Yamada, O. 195
Yamane, N. 224
Yamazaki, H. 242
Yang, E.J. 113
Yang, Y. 243
Yang, Z. 126
Yates, B. 211
Yi, H. 203
Yim, H.-S. 123
Yokoyama, M. 55
Yoshinari, T. 244 245
Youngman, P. 61
Yu, J. 246
Yu, J.-H. 13 58 157 247
Yuan, G.-F. 134
Yuan, S. 254
Yuan, X.-L. 248 249 250
Yuvamoto, P.D. 251
Zaas, A.K. 252
Zarnowski, R. 29
Zaugg, C. 133
Zekert, N. 66
Zelante, T. 189
Zeng, H. 31
Zeng, A.-P. 172
Zhang, J. 253
Zhang, L. 144 255
Zhang, S.S. 142
Zhang, Y. 254
Zhang, Y.-j. 145
Zhao, C. 238
Zhao, Q. 254
Zhou, H. 108 144 255
Zhou, Q. 145
Zhou, X.G. 142
Zhu, H. 254
Zhuang, L. 253
Zjalic, S. 182
Zucchi, T.D. 221
Zucchi, T.M.A.D. 221

[Keyword Index](#)

Aspergillus keywords

Acetate permease 187
Acid phosphatase 70
Actin 66 89
Actin patches 7 228
Actin-related proteins 253
Active site 143
Acyl-CoA dehydrogenase 149
Acyl-CoA transferase 67
Adenine deaminase 163
ADP ribosylation factors 136 137
Affymetrix GeneChip 5
Aflatoxin 31 92 100 117 134 182 194 201 204 211 244 245 246
Aflatoxin cluster 193
Airborn spores 92
Allergens 92 127
Alpha-glucan 250
Amino acid metabolism 53
Ammonium induction 163
Amphotericin 120
Amylases 231
Antifungal resistance 45 190
Antifungals 120 124 151 209
Antioxidant defence 182
Apical dominance 206
Apoptosis 83 198 235
Arginine catabolism 165
Argonaut 85
Aromorphosis 19
Ascospores 157
Aspergillosis 37 197 252
Aspergillus species 2 9
Asterriquinones 202
Atomic force microscopy 147
Autolysis 54 56
Autophagy 83 184 198
Benzo analogues 124
Bioluminescent reporter 27
Biomarkers 126
Breast cancer inhibition 235
Butenol 194
Butyrate utilization 104
Caffeic acid 251
Caffeine 251
Calcineurin 46 220 214
Calcium in transformation 131
Calcium sensitivity 212 214
Calcofluor sensitivity 106
Calmodulin 175
Carbon metabolism 103
Carbon regulation 119 192 225
Carboxylesterase 173
Carnitine/acylcarnitine carrier 50
Caspofungin 176
Cation homeostasis 214
CCAAT-binding complex 101
Celiac disease 186
Cell cycle 65
Cell wall integrity 105 191 255

Cell wall lysis 15
Cell wall mutants 47
Cell wall protein evolution 44
Cell walls 15 68 200 214 229 234
Cellobiase 130
Cellulase 130
Chamomile 245
Chemosensitization 124
Chemostat culture 76 111
Chitinase 56 242
Chitin-binding protein 208
Chlorogenic acid hydrolase 16
Chromatin 17 199
Chronic granulomatous disease 189
Cinamic acid 251
Classification 126
CLC Chloride channel 162
CoA transferase 67
Codon optimization 227
Colony zoning 141
Conidia 195
Conidial germination 15 18 20 46 89 104 190 251
Conidiation 14 28 29 33 58 59 64 68 80 89 104 114 138 157 184 194 212 222 244
Conserved synteny 188
Co-operative feeding 208
Copper homeostasis 162
Cross-pathway control 53 197
Cryptic sexuality 81
Cryptochrome 12
Crz transcription factor 212
Cytochrome P450 inhibition 245
Cytosine-purine scavenger 233
Cytoskeleton 65 66
Deletion method 73
DelsGate deletion 73
Density effects 29
Dermatophytes 133
Dicer 85
Diffusible signal 58
Diocatin A 244
Dioxygenases 75
DNA damage response 150
DNA isolation 51
DNA ligase 155
DNA repair 116
DNA-binding 125
Domain structure 156
Drug efficiency test 27
Drug resistance 45 124
DsRed reporter 107
Dynactin complex 253
Dynein 241 253
Emericallamide 38
Emopamil-binding proteins 78
Endocytosis 7 131 136 196 228
Endoglucanase 55
Epipolythiodioxopiperazines 69
Ergosterol biosynthesis 198
Ethyl hexanol 194
Evolution of meiosis 19

Expansin 20
Expression zoning 141
Extracellular proteases 119
Farnesol 83 198
Fatty acid catabolism 104
Filipin 198
Fimbrin 228
Fluorescent labeling 161
Fluorocytosine resistance 233
FOLy database 140
Food fermentation 1
Formate energy source 90
Fot/Pogo transposon 97
FTIR spectromicroscopy 118
Functional genomics 48
Fungal Genetics Conference 93
Fungal proteases 186
Fungal stocks 153
G protein signalling 54 59 88
Galactofuranose 200
Galactose catabolism 63
GATA factors 239
Gateway system 207
GDP-mannose pyrophosphorylase 108
GDP-mannose transporters 106
Gene clusters 61 193
Gene duplication 122
Gene expression manipulation 166
Gene regulation 30
Gene silencing 211
Gene targeting 155 158 159 161 166 207
Gene truncation 85
Genome expansion 62 122 148
Genome mining 36
Genome sequences 40 61 62 92 110 148 171 172 188
Genomic islands 61
Germination 15
Gliotoxin 69
Glucanase 20
Gluconeogenesis 103
Glucose transport 111
Glutamate dehydrogenase 226
Glutamine 17
Glutamine synthetase 3
Gluten degradation 186
Glycoside hydrolases 250
Glyoxylate cycle 164
Golgi equivalents 24 102 106 137
GPI-anchor 242
GPR1/FUN34/YaaH membrane protein 187
Group I introns 170
Guido Pontecorvo 42
HDMAOX complexes 209
Heat shock 212
Heterologous expression 39 43 145 227 238
Heterotrimeric G protein 54 88
Histidine kinases 222
Histone acetylation 17 183 193
Histones 199
HOG signalling 124

Homologous end-joining 159
Horizontal gene transfer 122
Host restriction 205
Hülle cells 12
Humanizing therapeutic proteins 115
Hyphal branching 232
Hyphal growth 7 18 46 228
Hyphal heterogeneity 141
Hyphal morphogenesis 91
Hyphal morphology 106 144
Hyphal polarity 65 66 89 136 154 185 191 232 242
Hyphal transport 102
Hyphal wall elasticity 147
Hyphal walls 15 68 200 214 229 234
Insect disease models 37
Insectivory 205
Intracellular amylases 231
Introns 61 170
Inulin catabolism 248 249
Iron acquisition 109
Iron regulation 101 203
Isoleucine catabolism 149
Isopenicillin N acyltransferase 72
Itraconazole 120
Kinesins 66
Lactose catabolism 63
Lectins 210
Lichens 39
Light sensing 33 179
Lignin degradation 130 140
Linkage map 40
Linoleate diol synthase 77
Lipid rafts 66
Lipid utilization 164
Liposomes 50
Lipoxygenase 29
Lissencephaly 241
LTR-retrotransposons 160
Luciferase 27
Mannosidase 144
Mannosyltransferase 234 255
MAP kinase 8 152 229
Mariner transposon 97
Mating type 87 98 129 168 178 180 181
Meiosis evolution 19
Membrane domains 66
Membrane localization 32
Meristoylation 137
Metabolic pathways 48
Metabolite profiling 126 176
Metal complexes 209
Metal deficiency 184
Microarrays 5 25 26 76 224
Microtubules 24 66 232
Mitochondrial carrier 50
Mitochondrial DNA 112
Mitochondrial introns 170
Mitochondrial oxidoreductases 198
Mitochondrial ribosomal protein 116
Mitosis 18

Mitotic recombination 213 221 230
Model disease hosts 37 252
Multicopy transformants 157
Multidrug resistance 82
Mutagen sensitivity 146
Mycelial pigment 80
Mycotoxins 28 92 246
Mycoviruses 84
Myristoylation 136
NADH oxidase 31
Nap/SET family protein 6
Natural antisense transcripts 211
Neuronal migration 121 241
N-glycan modification 115
Nitrate transport 236
Nitrite transport 237
Nitrogen regulation 123 125 239
NMR spectroscopy 176
Nonhomologous end-joining 155
Nonribosomal peptides 38 217
Non-syntenic blocks 224
Norsolorinic acid 235
Nuclear distribution 58 94 121 214 241 253
Nuclear localization 240
Nuclear pore complex 57
Nucleobase transporters 4 167
Nucleobase-ascorbate transporters 169
Nucleosomes 6 183 199
Nucleotide excision repair 146
Nutrient recycling 184
Otomycosis 120
Oxidative phosphorylation genes 132
Oxidative stress 124 203
Oxidoreductase database 140
Oxylipins 28 75
PAF antifungal protein 83 151
Parameiosis 213
PARP 83
Pathogenicity 27 35 37 46 61 62 78 92 99 109 120 127 139 164 189 190 197 200 212 219 234 252
Pectin lyase 34
Penicillin biosynthesis 72 74 90 215 216 226
Pepsin-like proteases 238
Peptidyl-prolyl cis-trans isomerase 156
Peroxins 104
Peroxisomes 72 104
pH regulation 32 71 96 174 214
Pheromone signalling 168
Phosphate transport 49
Phosphinothricin resistance 3
Photolyase 12
Phylogeny 175
Pichia expression 77
Plant pathogenicity 28 109 185
Plant wall extension 254
Plasma membrane 151 185
Polarisome 138 154
Polyadenylation 227
Polyethylene glycol 131
Polyethylenimine 131
Polyketide synthases 38 39

Polyketides 126
Pontecorvo 42
post-transcriptional regulation 20
Post-translational control 167 236
Post-translational modification 77
Prenyltransferase 128 202
Promoter analysis 55 183 203
Propionyl-CoA detoxification 67
Proteases 21 54 173 186
Proteasome 96
Protein kinases 80 105 191
Protein production 21
Protein sorting 32
Protein structure 156 169
Proteinase production 54
Protein-protein binding 125
Proteolytic processing 96
Proteomics 30
Purine catabolism 163
Purine salvage 163
Purine transport 79 167 169
Pyrimidine transport 4 167
Quinone oxidoreductase 123
Quorum-sensing 29
RAPD typing 2
Reactive oxygen species 139 189 206
Recombination hotspot 230
Repeat-induced point mutation 22 41 97 135
Replication factor C 116
Ribosomal RNA 175
Ribosome biogenesis 18
RIP 22 41 97 135
RNA degradation 165
RNA polymerase II 175
RNA silencing 84 85 86 95 107
RNA-binding protein 165
RNAi 11 86 95 207
Sake 1
Sclerotia 29 117
Secondary metabolism 8 10 33 36 38 61 64 74 117 128 204 217 218
Seed pathosystem 28
Self-processing 72
Septation 91 114 251
Sex determination 87 98 129 168 178 180 181
Sexual reproduction 12 33 62 75 81 87 88 104 129 135 152 168 180 222 240
Short-chain fatty acid utilization 149
Siderophores 109
Signal transduction 247
Site-specific mutation 166
Solid-state cultivation 224
Sorbic acid detoxification 177
Soy sauce 1
Spectromicroscopy 118
Spindle pole body 94
Spiroethers 245
Spitzenkörper 138 185
Spore longevity 157
Starvation growth 184
Sterigmatocystin 8 28
Strain collections 153

Straw biodegradation 130
Stress response 152 195 201 229
Substrate specificity 43
Sulphite efflux pumps 133
Sumoylation 240
Superoxide 189
Surface-enhancing Raman scattering spectroscopy 223
Synaptonemal complex 19
Synthetic lethals 15
Tandem affinity purification 13
Tandem repeats 142
Telomere-associated genes 61
Telomeres 40
Terrequinone 8 10 60 202
Transcriptomics 30
Transformation methods 3 131
Transient insertion 158 159
Translation factor eIF5B 113
Transporters 52
Transposable elements 41 160
Transposon tagging 165
Trehalose 157
Tris sensitivity 70
Tryptophan catabolism 189
Tubulins 121 175
Tyr-tRNA synthetase 170
UDP-galactopyranose mutase 47
Uracil transport 4
Usnic acid 39
Valine catabolism 149
Vesicle trafficking 136
VNTRs 142
Volatile regulators 194
Voriconazole 120
Wall elasticity 147
WW domain 156
Xanthine hydroxylase 143
X-ray induced crossing-over 221
Xylan catabolism 225
Xylan esterase 43
Xylanase 130
Xylose carbon source 5
Zinc finger transcription factors 125 214 249

GENES

A.nidulans

aatB 216
abpA 7
acpA 187
actA 228
acuH 50
acvA 215
adaB 183
aifA 198
algC 115
ampA,B 7
antA 104
areA 17 125 163 239
arfA,B 136 137
arlA 136

arp11 253
atmA 150 206
bemA 138 206
brlA 11
calA 15
calC 198
calI 106
cdc42 232
cetA 15
chiA 242
chiB 56
chkA,B 150
chsB 214
cnaA 212
coaT 67
copA 24 102
creA 63 119 192 225
cryA 12
crzA 214
dclA,B 85
ddbA 146
dmtA 135
EBDP2,3 78
echA 149
eglA 55
eglD 20
erg4/24,11A,B,13,25,28 198
esdC 88
fadA 54 74
fcyB 233
flbA 59
flbB 58
fphA 179 222
furA-G 4
gapA 89
gcnE 183
gmtA,B 106
gpdA 145
gpgA 54
hadA 104
hapX 101
hk-2,8,9 222
hypB 243
kapA 6 13
laeA 8 64 204
ligD 155
lreA,B 179
mat1,2 168
matA 180
matB 81
meaB 239
mesA 185
mnt1 234
modA 232
mpkB 8 168
mrpA 116
nadA 163
napA,B 6
nikA 222
nirA 17

nitA 237
nkuA 159
nmrA 123 125 239
noxA 206
nrtA,B 237 236
nsdD 81
nudC 94
nudF 94 121 241 253
nudR 253
p50 253
pacC 96 174
palC 70 71
pall,H 32
pela 254
pexA,C,E-G,M 104
phkA,B 222
pinA 156
pkcA 105 191
ppdB 85
ppoA,B,C 28 75 77
preB 96
prnB,D 183
prpA 206
prtA 173
racA 232
rrmA 165
rsdA 85
scdA 149
sepA 138
sfaD 54
slaB 7
sltA 214
srb1 108
sumO 240
swoF 137
tcsA,B 222
tdiA-E 10
tdiB 202
tmdA 135
tpsC 157
uapA 169
uaY 163
uvsB 150
uvsF 116
uvsH 213
veA 13 14 33 64 88 157 179 215
velB 13 64
vosA 157
xanA 143
xlnR 5 225
xprG 119

A. flavus

afIJ 204
alfR 134 204
laeA 117
lox 29
mat1-1,2 181
met 205

veA 117

A. fumigatus

acuD,E 164

aft1 97

atg1 184

azgA 79

cgrA 18

cnaA 114 212

cpcA 197

crzA 46 212

ecm33 190

g12930 128

glfA 200

mat1-1 81

mat1-2 180

mpkA 229

msdC 144

nsdD 81

pcmA,B 212

phoB 49

pkaC1 80

Pmt1p 255

ppoA,B,C 75

prmA 212

rasA 68

sakA 124

sreA 203

SSU1 133

uapC 79

yap1 139

yapA 182

A. niger

algC 115

agdA-E 250

agtA-C 250

amyC 250

amyD 231

axlA,B 250

bar 3

chlE 16

gdbA 250

gbeA 250

glaA 250

inuA,E,Q 248

inuR 249

mstA,C,F 111

padA1 177

pepAa-d 238

pyrG 158

spaA 154

sucA,B,C 248

ugmA 47

A. oryzae

atrB 195

ligD 155

A. parasiticus

afl 201
aflatoxin cluster 193
mat1-1,2 181
nadA 31
ver-1 100

Acremonium chrysogenum

mat1-1 178

Beauveria bassiana

Bbgpd 145

Botrytis cinerea

PIE3 78

Colletotrichum gloeosporioides

pac1 207

Fusarium graminearum

mes1 185

Metarhizium anisopliae

cag8 59

Neurospora crassa

ve-1 14 64

Penicillium chrysogenum

MAT-1,2 98

paf 151

penDE 72

pga1 74

plg1 34

Penicillium purpurogenum

AXEII 43

Petromyces alliaceus

mat1-1,2 181

Saccharomyces cerevisiae

Rim101 174

Xanthoparmelia semiviridis

pks 39

ORGANISMS (see also "genes")

A. clavatus 62 110

A. flavus 92 110 171 211 246

A. fumigatus 27 35 37 41 45 61 62 97 99 110 160 189 217 219 252

A. niger 5 21 22 110 112 141 172 186 230 250

A. oryzae 1 5 21 41 110 122 148 186 224 227

A. parasiticus 194 244 245

A. proliferans 208

A. terreus 110

A. tubingensis 112

Acremonium chrysogenum 107

Arthroderma benhamiae 133

Cucumis sativus 254

Escherichia coli QOR2 123

Myrothecium gramineum 51
Neosartorya fischeri 62 110
Penicillium chrysogenum 22 90
Streptomyces olivaceoviridis 208
Trichophyton rubrum 133
Ustilago maydis 73

[Author Index](#)
