

## NEUROSPORA BIBLIOGRAPHY

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1. **Agnan, J., C. Korch and C. Selitrennikoff.** 1997. Cloning heterologous genes: problems and approaches. *Fungal Genet. Biol.* **21**:292-301.
2. **Arie, T., S. K. Christiansen, O. C. Yoder and B. G. Turgeon.** 1997. Efficient cloning of ascomycete mating type genes by PCR amplification of the conserved *MAT* HMG box. *Fungal Genet. Biol.* **21**:118-130.
3. **Aslanidi, K. B., O. V. Aslanidi, D. M. Vachadze, O. A. Mornev, T. V. Potapova, L. M. Chailakhyan and E. G. Shtemanetyan.** 1997. Analysis of electrical phenomena accompanying the growth of *Neurospora crassa* hyphae: theory and experiment. *Membr. Cell. Biol.* **11**:349-365. (-)
4. **Aslanidi, K. B., O. V. Aslanidi, D. M. Vachadze, T. V. Potapova and L. M. Chailakhian.** 1997. Energy and metabolic intercellular interaction in the growth region of *Neurospora crassa*. *Dokl. Akad. Nauk.* **352**:826-830. (-)
5. **Baasiri, R. A., X. Lu, P. S. Rowley, G. E. Turner and K. A. Borkovich.** 1997. Overlapping functions for two G protein  $\alpha$  subunits in *Neurospora crassa*. *Genetics* **147**:137-145.
6. **Baidyaroy, D. and H. Bertrand.** 1997. Method for the isolation of circular mitochondrial plasmids from filamentous fungi. *Fungal Genet. Newslett.* **44**:8-9.
7. **Ballario, P. and G. Macino.** 1997. White collar proteins: PASsing the light signal in *Neurospora crassa*. *Trends Microbiol.* **5**:458-462. (-)
8. **Banks, C. W., S. N. Bennett and W. A. Krissinger.** 1997. Allelism of the mutants *ovc* and *cut* of *Neurospora crassa*. *Fungal Genet. Newslett.* **44**:10.
9. **Beattie, T. L. and R. A. Collins.** 1997. Identification of functional domains in the self-cleaving *Neurospora* VS ribozyme using damage selection. *J. Mol. Biol.* **267**:830-840.
10. **Bennett, J. W.** 1997. White paper: Genomics for filamentous fungi. *Fungal Genet. Biol.* **21**:3-7.

11. **Blatt, M. R., L. Maurousset and A. A. Meharg.** 1997. High-affinity NO<sub>3</sub><sup>-</sup>-H<sup>+</sup> cotransport in the fungus *Neurospora*: induction and control by pH and membrane voltage. *J. Membr. Biol.* **160**:59-76.
12. **Bowman, E. J., F. J. O'Neill and B. J. Bowman.** 1997. Mutations of *pma-1*, the gene encoding the plasma membrane H<sup>+</sup>-ATPase of *Neurospora crassa*, suppress inhibition of growth by concanamycin A, a specific inhibitor of vacuolar ATPases. *J. Biol. Chem.* **272**:14776-14786.
13. **Braun, H. P. and U. K. Schmitz.** 1997. The mitochondrial processing peptidase. *Int. J. Biochem. Cell Biol.* **29**:1043-1045. (-)
14. **Brower, J. B., R. L. Ryan and M. Pazirandeh.** 1997. Comparison of ion-exchange resins and biosorbents for the removal of heavy metals from plating factory wastewater. *Environ. Sci. Tech.* **31**:2910-2914. (-)
15. **Burgstaller, W.** 1997. Transport of small ions and molecules through the plasma membrane of filamentous fungi. *Crit. Rev. Microbiol.* **23**:1-46.
16. **Calderon, J., L. Olvera, L. M. Martinez and G. Davila.** 1997. A *Neurospora crassa* mutant altered in the regulation of L-amino acid oxidase. *Microbiology* **143**:1969-1974.
17. **Capelli, N., F. Barja, D. van Tuinen, J. Monnat, G. Turian and R. O. Perez.** 1997. Purification of a 47-kDa calmodulin-binding polypeptide as an actin-binding protein from *Neurospora crassa*. *FEMS Micro. Lett.* **147**:215-220.
18. **Chen, B. and A. M. Lambowitz.** 1997. *De novo* and DNA primer-mediated initiation of cDNA synthesis by the Mauriceville retroplasmid reverse transcriptase involve recognition of a 3' CCA sequence. *J. Mol. Biol.* **271**:311-332.
19. **Chiang, C. C. and A. M. Lambowitz.** 1997. The Mauriceville retroplasmid reverse transcriptase initiates cDNA synthesis *de novo* at the 3' end of tRNAs. *Mol. Cell. Biol.* **17**:4526-4535.
20. **Codon, A. C., Y. S. Lee and V. E. A. Russo.** 1997. Novel pattern of DNA methylation in *Neurospora crassa* transgenic for the foreign gene *hph*. *Nucleic Acids Res.* **25**:2409-2416.
21. **Coffin, J. W., R. Dhillon, R. G. Ritzel and F. E. Nargang.** 1997. The *Neurospora crassa cya-5* nuclear gene encodes a protein with a region of homology to the *Saccharomyces cerevisiae* PET309 protein and is required in a post-transcriptional step for the expression of the mitochondrially encoded COXI protein. *Curr. Genet.* **32**:273-280.
22. **Cogoni, C. and G. Macino.** 1997. Isolation of quelling-defective (*qde*) mutants impaired in posttranscriptional transgene-induced gene silencing in *Neurospora crassa*. *Proc. Natl. Acad. Sci. U S A* **94**:10233-10238.

23. **Colandene, J. D. and R. H. Garrett.** 1997. Isolation of cDNA representing a gene with minimal expression in *nit-4* mutant *Neurospora crassa* mycelia, yet not regulated by nitrate induction. *Fungal Genet. Newslett.* **44**:11-12.
24. **Coppin, E., R. Debuchy, S. Arnaise and M. Picard.** 1997. Mating types and sexual development in filamentous ascomycetes. *Microbiol. Mol. Biol. Rev.* **61**:411-428. (-)
25. **Cross, R. A.** 1997. Reversing the kinesin ratchet--a diverting tail. *Nature* **389**:15-16.
26. **Crosthwaite, S. K., J. C. Dunlap and J. J. Loros.** 1997. *Neurospora wc-1* and *wc-2*: Transcription, photoresponses, and the origins of circadian rhythmicity. *Science* **276**:763-769.
27. **de Kroon, A. I. P. M., D. Dolis, A. Mayer, R. Lill and B. De Kruijff.** 1997. Phospholipid composition of highly purified mitochondrial outer membranes of rat liver and *Neurospora crassa*. Is cardiolipin present in the mitochondrial outer membrane? *Biochim. Biophys. Acta* **1325**:108-116.
28. **de Serres, F. J., H. V. Mallng, H. E. Brockman and T. M. Ong.** 1997. Quantitative and qualitative comparison of spontaneous and chemical-induced specific-locus mutation in the *ad-3* region of heterokaryon 12 of *Neurospora crassa*. *Mutation Res.* **375**:53-72.
29. **Duarte, M., U. Schulte and A. Videira.** 1997. Identification of the TYKY homologous subunit of complex I from *Neurospora crassa*. *Biochim. Biophys. Acta.* **1322**:237-241.
30. **Fang, J., Y. Qu and P. Gao.** 1997. Wide distribution of cellobiose-oxidizing enzymes in wood-rot fungus indicates a physiological importance in lignocellulosics degradation. *Biotech. Tech.* **11**:195-197. (-)
31. **Fracella, F., C. Scholle, A. Kallies, T. Hfker, T. Schrder and L. Rensing.** 1997. Differential HSC70 expression during asexual development of *Neurospora crassa*. *Microbiology* **143**:3615-3624.
32. **Freitag, D. G., P. M. Ouimet, T. L. Girvitz and M. Kapoor.** 1997. Heat shock protein 80 of *Neurospora crassa*, a cytosolic molecular chaperone of the eukaryotic stress 90 family, interacts directly with heat shock protein 70. *Biochemistry* **36**:10221-10229.
33. **Garceau, N. Y., Y. Liu, J. J. Loros and J. C. Dunlap.** 1997. Alternative initiation of translation and time-specific phosphorylation yield multiple forms of the essential clock protein FREQUENCY. *Cell* **89**:469-476.
34. **Glass, N. L. and C. Staben.** 1997. *Neurospora* mating type symbol *mt* revised to *mat*. *Fungal Genet. Newslett.* **44**:64.
35. **Gunebaut, V., R. Vincentelli, D. Mills, H. Weiss and K. R. Leonard.** 1997. Three-dimensional structure of NADH-dehydrogenase from *Neurospora crassa* by electron microscopy and conical tilt reconstruction. *J. Mol. Biol.* **265**:409-418.

36. **Hagemann, A. T., J. T. Irelan and E. U. Selker.** 1997. A simple plating assay for aneuploidy in sexual progeny of *Neurospora crassa*, and a new allele of *mei-1*. Fungal Genet. Newslett. **44**:15-18.
37. **Hall, J. C.** 1997. Circadian pacemakers blowing hot and cold-but they're clocks, not thermometers. Cell **90**:9-12.
38. **Han, J. S.** 1997. Mutagenic activity and specificity of hydrogen peroxide in the *ad-3* forward-mutation test in two-component heterokaryons of *Neurospora crassa*. Mutation Res. **374**:169-184.
39. **Heckmann, S., M. Schliwa and E. Kube-Grandenrath.** 1997. Primary structure of *Neurospora crassa*  $\gamma$ -tubulin. Gene **199**:303-309.
40. **Henikoff, S. and M. A. Matzke.** 1997. Exploring and explaining epigenetic effects. Trends Genet. **13**:293-295.
41. **Henningsen, U. and M. Schliwa.** 1997. Reversal in the direction of movement of a molecular motor. Nature **389**:93-96.
42. **Hood, S. V., C. B. Moore and D. W. Denning.** 1997. *Neurospora sitophila* pulmonary infection in a patient with AIDS. Aids Patient Care and STD's **11**:223-226. (-)
43. **Hunt, I. E. and B. J. Bowman.** 1997. Isolation of a DNA fragment that encodes part of an ATP dependent RNA helicase in *Neurospora crassa*. Fungal Genet. Newslett. **44**:27-28.
44. **Irelan, J. T. and E. U. Selker.** 1997. Cytosine methylation associated with repeat-induced point mutation causes epigenetic gene silencing in *Neurospora crassa*. Genetics **146**:509-523.
45. **Ito, S., Y. Matsui, A. Toh-e, T. Harashima and H. Inoue.** 1997. Isolation and characterization of the *krev-1* gene, a novel member of *ras* superfamily in *Neurospora crassa*: involvement in sexual cycle progression. Mol. Gen. Genet. **255**:429-437.
46. **Iwasaki, K. and J. H. Thomas.** 1997. Genetics in rhythm. Trends Genet. **13**:111-115.
47. **Jeenes, D. J., R. Pfaller and D. B. Archer.** 1997. Isolation and characterisation of a novel stress-inducible PDI-family gene from *Aspergillus niger*. Gene **193**:151-156.
48. **Jung, O., E. Lee, J. Kim, Y. Chung, C. Lee, O. J. Jung, E. J. Lee, J. W. Kim, Y. R. Chung and C. W. Lee.** 1997. Identification of putative phosphoinositide-specific phospholipase C genes in filamentous fungi. Molecules and Cells **7**:192-199. (-)
49. **Kana-uchi, A., C. T. Yamashiro, S. Tanabe and T. Murayama.** 1997. A *ras* homologue of *Neurospora crassa* regulates morphology. Mol. Gen. Genet. **254**:427-432.

50. **Karley, A. J., S. I. Powell and J. M. Davies.** 1997. Effect of nonylphenol on growth of *Neurospora crassa* and *Candida albicans*. *Appl. Environ. Micro.* **63**:1312-1317.
51. **Keenan, K. A. and R. L. Weiss.** 1997. Characterization of vacuolar arginine uptake and amino acid efflux in *Neurospora crassa* using cupric ion to permeabilize the plasma membrane. *Fungal Genet. Biol.* **22**:177-190.
52. **Kronstad, J. W. and C. Staben.** 1997. Mating type in filamentous fungi. *Annu. Rev. Genet.* **31**:245-276.
53. **Lakin Thomas, P. L., S. Brody and G. G. Cote.** 1997. Temperature compensation and membrane composition in *Neurospora crassa*. *Chronobiol. Int.* **14**:445-454. (-)
54. **Lauter, F. R., C. T. Yamashiro and C. Yanofsky.** 1997. Light stimulation of conidiation in *Neurospora crassa*: Studies with the wild-type strain and mutants *wc-1*, *wc-2* and *acon-2*. *J. Photochem. Photobiol.* **37**:203-211. (-)
55. **Leslie, J. F. and C. T. Yamashiro.** 1997. Effects of the *tol* mutation on allelic interactions at het loci in *Neurospora crassa*. *Genome* **40**:834-840. (-)
56. **Lewis, M. T., L. W. Morgan and J. F. Feldman.** 1997. Analysis of *frequency (frq)* clock gene homologs: Evidence for a helix-turn-helix transcription factor. *Mol. Gen. Genet.* **253**:401-414.
57. **Li, C., M. S. Sachs and T. J. Schmidhauser.** 1997. Developmental and photoregulation of three *Neurospora crassa* carotenogenic genes during conidiation induced by desiccation. *Fungal Genet. Biol.* **21**:101-108.
58. **Linden, H., P. Ballario and G. Macino.** 1997. Blue light regulation in *Neurospora crassa*. *Fungal Genet Biol.* **22**:141-150.
59. **Linden, H. and G. Macino.** 1997. White collar 2, a partner in blue-light signal transduction, controlling expression of light-regulated genes in *Neurospora crassa*. *EMBO J.* **16**:98-109.
60. **Linden, H., M. Rodriguez-Franco and G. Macino.** 1997. Mutants of *Neurospora crassa* defective in regulation of blue light perception. *Mol. Gen. Genet.* **254**:111-118.
61. **Liu, Y., N. Y. Garceau, J. J. Loros and J. C. Dunlap.** 1997. Thermally regulated translation control of FRQ mediates aspects of temperature responses in the *Neurospora* circadian clock. *Cell* **89**:477-486.
62. **Madi, L., S. A. McBride, L. A. Bailey and D. J. Ebbole.** 1997. *rco-3*, a gene involved in glucose transport and conidiation in *Neurospora crassa*. *Genetics* **146**:499-508.
63. **Margolin, B. S., M. Freitag and E. U. Selker.** 1997. Improved plasmids for gene targeting at the *his-3* locus of *Neurospora crassa* by electroporation. *Fungal Genet. Newslett.* **44**:34-36.

64. **Marshall, M., K. Gull and P. Jeffries.** 1997. Monoclonal antibodies as probes for fungal wall structure during morphogenesis. *Microbiology* **143**:2255-2265.
65. **Marzluf, G. A.** 1997. Genetic regulation of nitrogen metabolism in the fungi. *Microbiol. Mol. Biol. Rev.* **61**:17-32. (-)
66. **Marzluf, G. A.** 1997. Molecular genetics of sulfur assimilation in filamentous fungi and yeast. *Annu. Rev. Microbiol.* **51**:73-96. (-)
67. **McKeon, T. A., M. Goodrich-Tanrikulu, J. T. Lin and A. Stafford.** 1997. Pathways for fatty acid elongation and desaturation in *Neurospora crassa*. *Lipids* **32**:1-5.
68. **Meinhardt, F., R. Schaffrath and M. Larsen.** 1997. Microbial linear plasmids. *Appl. Micro. Biotech.* **47**:329-336. (-)
69. **Merrow, M. W., N. Y. Garceau and J. C. Dunlap.** 1997. Dissection of a circadian oscillation into discrete domains. *Proc. Natl. Acad. Sci. U S A* **94**:3877-3882.
70. **Millar, A. J.** 1997. Circadian rhythms: PASSing time. *Curr. Biol.* **7**:R474-R476. (-)
71. **Monnat, J., R. O. Perez and G. Turian.** 1997. Molecular cloning and expression studies of two divergent  $\alpha$ -tubulin genes in *Neurospora crassa*. *FEMS Micro. Lett.* **150**:33-41.
72. **Moreno Ancillo, A., J. Vicente, L. Gomez, J. A. Martin Barroso, P. Barranco, R. Cabanas and M. C. Lopez Serrano.** 1997. Hypersensitivity pneumonitis related to a covered and heated swimming pool environment. *Int. Arch. Allergy Immunol.* **114**:205-206. (-)
73. **Morgan, L. W. and J. F. Feldman.** 1997. Isolation and characterization of a temperature-sensitive circadian clock mutant of *Neurospora crassa*. *Genetics* **146**:525-530.
74. **Nega, E. and G. Grunwaldt.** 1997. Evidence for and characterization of cytochrome P-450 in *Neurospora crassa*. *J. Basic Micro.* **37**:139-145.
75. **Nelson, M. A., S. Kang, E. L. Braun, M. E. Crawford, P. L. Dolan, P. M. Leonard, J. Mitchell, A. M. Armijo, L. Bean, E. Blueyes, T. Cushing, A. Errett, M. Fleharty, M. Gorman, K. Judson, R. Miller, J. Ortega, I. Pavlova, J. Perea, S. Todisco, R. Trujillo, J. Valentine, A. Wells, M. Werner Washburne and D. O. Natvig.** 1997. Expressed sequences from conidial, mycelial, and sexual stages of *Neurospora crassa*. *Fungal Genet. Biol.* **21**:348-363.
76. **Nelson, M. A., S. T. Merino and R. L. Metzenberg.** 1997. A putative rhamnogalacturonase required for sexual development of *Neurospora crassa*. *Genetics* **146**:531-540.
77. **Oda, K. and K. Hasunuma.** 1997. Genetic analysis of signal transduction through light-induced protein phosphorylation in *Neurospora crassa* perithecia. *Mol. Gen. Genet.* **256**:593-601.

78. **Onai, K. and H. Nakashima.** 1997. Mutation of the *cys-9* gene, which encodes thioredoxin reductase, affects the circadian conidiation rhythm in *Neurospora crassa*. *Genetics* **146**:101-110.
79. **Pace, M., D. Agnellini, G. Lippoli and R. L. Berger.** 1997. Hydrophobic properties of NAD glycohydrolase from *Neurospora crassa* conidia and interaction with dioxane, p. 389-397. *In* ADP ribosylation in animal tissues structure, function, and biology of mono ADP ribosyl transferases and related enzymes, Plenum, New York. (-)
80. **Pan, H., B. Feng and G. A. Marzluf.** 1997. Two distinct protein-protein interactions between the NIT2 and NMR regulatory proteins are required to establish nitrogen metabolite repression in *Neurospora crassa*. *Mol. Microbiol.* **26**:721-729.
81. **Pandit, A., P. Delhi and R. Maheshwari.** 1997. Syntrophic growth of auxotrophic strains of *Neurospora crassa* by cross-feeding. *Fungal Genet. Newslett.* **44**:37-40.
82. **Parton, R. M., S. Fischer, R. Malh--, O. Papasouliotis, T. C. Jelitto, T. Leonard and N. D. Read.** 1997. Pronounced cytoplasmic pH gradients are not required for tip growth in plant and fungal cells. *J. Cell Sci.* **110**:1187-1198.
83. **Pawlowski, P., A. Poznanska and M. Fikus.** 1997. Bioelectrorheological model of the cell. 7. Cellular deformation in the presence of cytochalasin B. *Biorheology* **34**:171-193. (-)
84. **Pedersen, L., M. van Zeijl, S. V. Johann and B. O'Hara.** 1997. Fungal phosphate transporter serves as a receptor backbone for gibbon ape leukemia virus. *J. Virol.* **71**:7619-7622.
85. **Perera, T. H., D. W. Gregory, D. Marshall and N. A. Gow.** 1997. Contact-sensing by hyphae of dermatophytic and saprophytic fungi. *J. Med. Vet. Mycol.* **35**:289-293. (-)
86. **Perkins, D. D.** 1997. Chromosome rearrangements in *Neurospora* and other filamentous fungi. *Adv. Genet.* **36**:239-398.
87. **Perkins, D. D., B. S. Margolin, E. U. Selker and S. D. Haedo.** 1997. Occurrence of repeat induced point mutation in long segmental duplications of *Neurospora*. *Genetics* **147**:125-136.
88. **Phadtare, S. U., U. B. Rawat and M. B. Rao.** 1997. Purification and characterization of xylitol dehydrogenase from *Neurospora crassa*. *FEMS Micro. Lett.* **146**:79-83.
89. **Pillonel, C. and T. Meyer.** 1997. Effect of phenylpyrroles on glycerol accumulation and protein kinase activity of *Neurospora crassa*. *Pesticide Science* **49**:229-236.
90. **Prokisch, H., O. Yarden, M. Dieminger, M. Tropschug and I. B. Barthelmess.** 1997. Impairment of calcineurin function in *Neurospora crassa* reveals its essential role in hyphal growth, morphology and maintenance of the apical Ca<sup>2+</sup> gradient. *Mol. Gen. Genet.* **256**:104-114.

91. **Quondam, M., C. Barbato, A. Pickford, M. Helmer-Citterich and G. Macino.** 1997. Homology modeling of *Neurospora crassa* geranylgeranyl pyrophosphate synthase: structural interpretation of mutant phenotypes. *Protein Eng.* **10**:1047-1055(-)
92. **Radford, A. and J. H. Parish.** 1997. The genome and genes of *Neurospora crassa*. *Fungal Genet. Biol.* **21**:258-266.
93. **Rapaport, D., W. Neupert and R. Lill.** 1997. Mitochondrial protein import. Tom40 plays a major role in targeting and translocation of preproteins by forming a specific binding site for the presequence. *J. Biol. Chem.* **272**:18725-18731.
94. **Rasmussen-Wilson, S. J., J. S. Palas, V. J. Wolf, C. S. Taft and C. P. Selitrennikoff.** 1997. Expression of a plant protein by *Neurospora crassa*. *Appl. Environ. Microbiol.* **63**:3488-3493.
95. **Rawat, U. and M. Rao.** 1997. Site and significance of cysteine residues in xylose reductase from *Neurospora crassa* as deduced by fluorescence studies. *Biochem. Biophys. Res. Commun.* **239**:789-793.
96. **Rawat, U. B. and M. B. Rao.** 1997. Conformation and microenvironment of the active site of xylose reductase inferred by fluorescent chemoaffinity labeling. *Euro. J. Biochem.* **246**:344-349.
97. **Rensing, L., S. Mohsenzadeh, P. Ruoff and U. Meyer.** 1997. Temperature compensation of the circadian period length--a special case among general homeostatic mechanisms of gene expression? *Chronobiol. Int.* **14**:481-498. (-)
98. **Rosa, A. L., S. D. Haedo, E. D. Temporini, G. A. Borioli and M. R. Mautino.** 1997. Mapping chromosome landmarks in the centromere I region of *Neurospora crassa*. *Fungal Genet. Biol.* **21**:315-322.
99. **Rostovtseva, T. and M. Colombini.** 1997. VDAC channels mediate and gate the flow of ATP: Implications for the regulation of mitochondrial function. *Biophys. J.* **72**:1954-1962.
100. **Rountree, M. R. and E. U. Selker.** 1997. DNA methylation inhibits elongation but not initiation of transcription in *Neurospora crassa*. *Genes Dev.* **11**:2383-2395.
101. **Ruoff, P., L. Rensing, R. Kommedal and S. Mohsenzadeh.** 1997. Modeling temperature compensation in chemical and biological oscillators. *Chronobiol. Int.* **14**:499-510. (-)
102. **Sachs, M. S., E. U. Selker, B. Lin, C. J. Roberts, Z. Luo, D. Vaught-Alexander and B. S. Margolin.** 1997. Expression of herpes virus thymidine kinase in *Neurospora crassa*. *Nucleic Acids Res.* **25**:2389-2395.
103. **Sahni, M. and J. A. Kinsey.** 1997. Identification and cloning of the *Neurospora crassa* glyceraldehyde-3-phosphate dehydrogenase gene, *gpd-1*. *Fungal Genet. Newslett.* **44**:47-49.

104. **Saupe, S. J. and N. L. Glass.** 1997. Allelic specificity at the *het-c* heterokaryon incompatibility locus of *Neurospora crassa* is determined by a highly variable domain. *Genetics* **146**:1299-1309.
105. **Scarborough, G. A.** 1997. Emerging structure of the *Neurospora* plasma membrane H<sup>+</sup>-ATPase. *Ann. N. Y. Acad. Sci.* **834**:1-8. (-)
106. **Schmidhauser, T. J., Y. Z. Liu, H. Liu and S. Zhou.** 1997. Genome analysis in *Neurospora crassa*; cloning of four loci arginine-1 (*arg-1*), methionine-6 (*met-6*), unknown-7 (*un-7*), and ribosome production-1 (*rip-1*) and associated chromosome walking. *Fungal Genet. Biol.* **21**:323-328.
107. **Schumacher, M. M., C. S. Enderlin and C. P. Selitrennikoff.** 1997. The osmotic-1 locus of *Neurospora crassa* encodes a putative histidine kinase similar to osmosensors of bacteria and yeast. *Curr. Micro.* **34**:340-347.
108. **Seiler, S., F. E. Nargang, G. Steinberg and M. Schliwa.** 1997. Kinesin is essential for cell morphogenesis and polarized secretion in *Neurospora crassa*. *EMBO J.* **16**:3025-3034.
109. **Selker, E. U.** 1997. Epigenetic phenomena in filamentous fungi: useful paradigms or repeat-induced confusion? *Trends Genet.* **13**:296-301.
110. **Sirrenberg, C., M. Endres, K. Becker, M. F. Bauer, E. Walther, W. Neupert and M. Brunner.** 1997. Functional cooperation and stoichiometry of protein translocases of the outer and inner membranes of mitochondria. *J. Biol. Chem.* **272**:29963-29966.
111. **Skupski, M. P., D. A. Jackson and D. O. Natvig.** 1997. Phylogenetic analysis of heterothallic *Neurospora* species. *Fungal Genet. Biol.* **21**:153-162.
112. **St Leger, R. J., L. Joshi and D. W. Roberts.** 1997. Adaptation of proteases and carbohydrases of saprophytic, phytopathogenic and entomopathogenic fungi to the requirements of their ecological niches. *Microbiology* **143**:1983-1992.
113. **Su, W. W. and B. J. He.** 1997. Secreted enzyme production by fungal pellets in a perfusion bioreactor. *J. Biotech.* **54**:43-52. (-)
114. **Suresh, K. and C. Subramanyam.** 1997. A putative role for calmodulin in the activation of *Neurospora crassa* chitin synthase. *FEMS Micro. Lett.* **150**:95-100.
115. **Sweigard, J. A., F. Chumley, A. Carroll, L. Farrall and B. Valent.** 1997. A series of vectors for fungal transformation. *Fungal Genet. Newslett.* **44**:52-53.
116. **Szoor, B., V. Dombradi, P. Gergely and Z. Feher.** 1997. Purification and characterization of the catalytic subunit of protein phosphatase 1 from *Neurospora crassa*. *Acta Biol. Hung.* **48**:289-302. (-)

117. **Talbot, N. J.** 1997. Fungal biology: Growing into the air. *Curr. Biol.* **7**:R78-R81. (-)
118. **Tentler, S., J. Palas, C. Enderlin, J. Campbell, C. Taft, T. K. Miller, R. L. Wood and C. P. Selitrennikoff.** 1997. Inhibition of *Neurospora crassa* growth by a glucan synthase-1 antisense construct. *Curr. Micro.* **34**:303-308.
119. **Thevissen, K., R. W. Osborn, D. P. Acland and W. F. Broekaert.** 1997. Specific, high affinity binding sites for an antifungal plant defensin on *Neurospora crassa* hyphae and microsomal membranes. *J. Biol. Chem.* **272**:32176-32181.
120. **Tognolli, M., A. Utz-Pugin, G. Turian and C. Rossier.** 1997. New mutants of *Neurospora crassa* highly resistant to the microtubule inhibitor benomyl. *Fungal Genet. Newslett.* **44**:54-56.
121. **Turner, G. E., T. J. Jimenez, S. K. Chae, R. A. Baasiri and K. A. Borkovich.** 1977. Utilization of the *Aspergillus nidulans pyrG* gene as a selectable marker for transformation and electroporation of *Neurospora crassa*. *Fungal Genet. Newslett.* **44**:57-59.
122. **Vierula, P. J.** 1997. Cloning and characterization of a *Neurospora crassa* ribosomal protein gene, *crps-7*. *Curr. Genet.* **31**:139-143.
123. **Vierula, P. J. and J. M. Mais.** 1997. A gene required for nuclear migration in *Neurospora crassa* codes for a protein with cysteine-rich, LIM/RING-like domain. *Mol. Microbiol.* **24**:331-340.
124. **von Ahsen, O., M. Tropschug, N. Pfanner and J. Rassow.** 1997. The chaperonin cycle cannot substitute for prolyl isomerase activity, but GroEL alone promotes productive folding of a cyclophilin-sensitive substrate to a cyclophilin-resistant form. *EMBO J.* **16**:4568-4578.
125. **Wallweber, G. J., S. Mohr, R. Rennard, M. G. Caprara and A. M. Lambowitz.** 1997. Characterization of *Neurospora* mitochondrial group I introns reveals different *CYT-18* dependent and independent splicing strategies and an alternative 3' splice site for an intron ORF. *RNA* **3**:114-131. (-)
126. **Wan, Y., H. Liu, C. Li and T. J. Schmidhauser.** 1997. Genome analysis on linkage group VI of *Neurospora crassa*. *Fungal Genet. Biol.* **21**:329-336.
127. **Wang, Z. and M. S. Sachs.** 1997. Arginine-specific regulation mediated by the *Neurospora crassa arg-2* upstream open reading frame in a homologous, cell-free *in vitro* translation system. *J. Biol. Chem.* **272**:255-261.
128. **Wang, Z. and M. S. Sachs.** 1997. Ribosome stalling is responsible for arginine-specific translational attenuation in *Neurospora crassa*. *Mol. Cell, Biol.* **17**:4904-4913.

129. **Watanabe, K., Y. Sakuraba and H. Inoue.** 1997. Genetic and molecular characterization of *Neurospora crassa mus-23*: a gene involved in recombinational repair. *Mol. Gen. Genet.* **256**:436-445.
130. **Weiland, J. J.** 1997. Rapid procedure for the extraction of DNA from fungal spores and mycelia. *Fungal Genet. Newslett.* **44**:60-63.
131. **Wurgler-Murphy, S. M. and H. Saito.** 1997. Two-component signal transducers and MAPK cascades. *Trends Bioch. Sci.* **22**:172-176.
132. **Xu, X. and M. Colombini.** 1997. Autodirected insertion: Preinserted VDAC channels greatly shorten the delay to the insertion of new channels. *Biophys. J.* **72**:2129-2136.
133. **Yatzkan, E. and O. Yarden.** 1997. *ppt-1*, a *Neurospora crassa* PPT/PP5 subfamily serine/threonine protein phosphatase. *Biochim. Biophys. Acta* **1353**:18-22.

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