NEUROSPORA BIBLIOGRAPHY

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Author and Keyword Index

Addison, R. 1993. The initial association of a truncated form of the Neurospora plasma membrane H +ATPase and of the precursor of yeast invertase with microsomes are distinct processes. Biochim. Biophys Acta. 1152: 119-127

Alvarez, M.E., A.L. Rosa, E.D. Temporini, A. Wolstenholme, G. Panzetta, L. Patrito and H.J.F. Maccioni. 1993. The 59 kDa polypeptide constituent of 8-10-nm cytoplasmic filaments in Neurospora crassa is a pyruvate decarboxylase Gene 131: 253-258

Armstrong, G.A., B.S. Hundle and J.E. Hearst 1993. Evolutionary conservation and structural similiarities of carotenoid biosynthesis gene products from photosynthetic and nonphotosynthetic organisms Methods Enzymol 214:297-311

Arnaise, S., D. Zickler and N.L. Glass 1993. Heterologous expression of mating-type genes in filamentous fungi. Proc Natl. Acad Sci USA 90:6616-6620

Aronson, B.D., D. Bell-Pedersen, G.D. Block, N.P.A. Bos, J.C. Dunlap, A. Eskin, N.Y. Garceau, M.E. Geusz, K.A. Johnson, S.B.S. Khalsa, G.C. Koster-Van Hoffen, C. Koumenis, T.M. Lee, J. LeSauter, K.M. Lindgren, Q. Liu, J.J. Loros, S.H. Michel, M. Mirmiran, R.Y. Moore, N.F. Ruby, R. Silver, F.W. Turek, M. Zatz and I. Zucker 1993. Circadian rhythms. Brain Res Rev. l8: 315-333

Arpaia, G., J.J. Loros, J.C. Dunlap, G. Morelli and G,. Macino 1993. The interplay of light and the circadian clock. Independent dual regulation of clock-controlled gene ccg-2(eas). Plant Physiol 102 1299-1305

Asch, D.K. 1993. Studies on AM(+) transformants of Neurospora crassa. Dissert Abstr-B 53 5544

Awald, P., M. Zugel, C. Monks, D. Frost and C.P. Selitrennikoff' 1993. Purification of 1,3-beta-gluca synthase from Neurospora crassa by product entrapment Exp Mycol 17: 130-141

Azevedo, J.E., J. Abrolat-Scharff, C. Eckerskorn and S. Werner 1993. Cloning, in vitro mitochondrial import and membrane assembly of the 17.8 kDa subunit of complex I from Neurospora crassa. Biochem. J. 293: 501-506

Barja, F., M.L. Chappuis and G. Turian 1993. Differential effects of anticytoskeletal compounds on the localization and chemical patterns of actin in germinating conidia of Neurospora crassa. FEMS Microbiol Lett 107: 261-266

Barja, F. and G. Turian 1993. Cytochalasin B-sensitive actin- mediated nuclear RNA export in germinating conidia of Neurospora crassa. Cell Biol Int 17:985-988

Baron, AJ., C. Stevens, C.M. Wilmot, P.F. Knowles, S.E. Phillips and M.J. MePherson 1993. Preliminary studies of two active site mutants of galactose oxidase Biochem Soc Trans 21:319S (Abstr) Bartelt, D.C. and A.M. Dranginis 1993. Regulation of amylase expression in Aspergillus nidulans. Fungal Genet. Newslett. 40: 18-19

Barthelmess, I.B. and M. Tropschug 1993. FK506-binding protein of Neurospora crassa (NcFKBBP) mediates sensitivity to the immunosuppressant FK506; resistant mutants identify two loci. Curr Genet. 23:54-58.

Beffa, T. 1993a Inhibitory action of elemental sulphur (So) on fungal spores. Can J Microbiol 39: 731-735

Beffa, T. 1993b Metabolism of elemental sulphur (So) during fungal spore germination Can J. Microbiol 39:736-741

Bell-Pedersen, D., J.C. Dunlap and J.J. Loros 1993. Isolation and analysis of clock-controlled genes in Neurospora crassa. J. Cell Biochem S17C: 139 (Abstr)

Bertrand, H., Q. Wu and B.L. Seidel-Rogol 1993. Hyperactive recombination in the mitochondrial DNA of the natural death nuclear mutant of Neurospora crassa. Mol Cell Biol 13:6778-6788.

Bowring, F.J. and D.E.A. Catcheside 1993. The erfect of rec2 on repeat-induced point-mutation (RIP) and rccombination events that excise DNA sequence duplications at the his-3 locus in Neurospora crassa. Curr Genet 23: 496-500

Branch, K.R., J.W. Bennett and D. Bhatnagar 1993. Sterigmatocystin production by Aspergillus nidulans. Fungal Genet. Newslett 40:20-21

Brito, N., C. Gonzalez and G.A. Marzluf 1993. Hypersensitive sites in the 5' promoter region of nit-3, a highly regulated structural gene of Neurospora crassa. J Bacteriol 175: 6755-6759

Bruchez, J.J.P., J. Eberle and V.E.A. Russo 1993a Regulatory sequences in the transcription of Neurospora crassa genes: CAAT box, TATA box, Introns, Poly(A) tail formation sequences Fungal Genet Newslett 40:89-96

Bruchez, J.J.P., J. Eberle and V.E.A. Russo 1993b Regulatory sequences involved in the translation of Neurospora crassa mRNA: Kozak sequences and stop codons. Fungal Genet Newslett. 40:85-88

Brunelli, J.P. and M.L. Pall 1993. A series of yeast/Escherichia coli lambda expression vectors designed for directional cloning of cDNAs and crc/lox mediated plasmid excision. Yeast 9: 1309-1310

Butler, D.K. and R.L. Metzenberg 1993. Amplification of the nucleolus organizer region during the sexual phase of Neurospora crassa Chromosoma 102: 519-525.

Buzzi, M., M. S. S. Felipe, M. Azevedo and R. Caldas 1993. Membrane lipid composition and invertase secretion of Neurospora crassa and its wall-less mutant slime: Effects of temperature and the surfactant Tween 80. J. Gen. Microbiol. 139: 1885-1889.

Calderon, J. and L. M. Martinez 1993. Regulation of ammonium ion assimilation enzymes in Neurospora crassa nit-2 and ms-5 mutant strains. Biochem. Genet. 31: 425-439.

Cambareri, E. B. and J. A. Kinsey 1993. An ultra-fast method of DNA extraction from Neurospora. Fungal Genet. Newslett. 40: 22-23.

Capelli, N., T. D. van, P. R. Ortega, J. F. Arrighi and G. Turian 1993. Molecular cloning of a cDNA encoding calmodulin from Neurospora crassa. FEBS Lett. 321: 63-68.

Centola, M. B. 1993. A rapid and inexpensive procedure for separation of high molecular weight DNA. Biotechniques 14: 207-208.

Cheng, R., T. I. Baker, C. E. Cords and R. J. Radloff 1993. mei-3, a recombination and repair gene of Neurospora crassa, encodes a RecA-like protein. Mutat. Res. 294: 223-234.

Chow, C. M. and U. L. RajBhandary 1993. Developmental regulation of the gene for formate dehydrogenase in Neurospora crassa. J. Bacteriol. 175: 3703-3709.

Chow, T. Y.-K. and E. Kafer 1993. A rapid method for isolation of total nucleic acids from Aspergillus nidulans. Fungal Genet. Newslett. 40: 25-27.

Chow, T. Y. K. 1993. The cloning and sequencing of the Saccharomyces and Neurospora endo-exonuclease gene. J. Cell. Biochem. S17C: 153 (Abstr.).

Cifuentes, V., G. Hermosilla and G. Pincheira 1993. Genetic complementation analysis in Pycnoporus cinnabarinus. Fungal Genet. Newslett. 40:28-29.

Collins, R. A. and J. E. Olive 1993. Reaction conditions and kinetics of self-cleavage of a ribozyme derived from Neurospora VS RNA. Biochemistry 32:2795-2799.

Court, D. A. 1993. Characterization of a linear, senescence-inducing mitochondrial plasmid in Neurospora crassa (Maranhar). Dissert. Abstr.-B 53:6125.

Court, D. A. and H. Bertrand 1993. Expression of the open reading frames of a senescence-inducing, linear mitochondrial plasmid of Neurospora crassa. Plasmid 30: 51-66.

Daniel-Vedele, F. and M. Caboche 1993. A tobacco cDNA clone encoding a GATA-l zinc finger protein homologous to regulators of nitrogen metabolism in fungi. Mol. Gen. Genet. 240: 365-373.

De Serres, F. J. and H. E. Brockman 1993. Comparison of the spectra of genetic damage in N4-hydroxycytidine induced ad-3 mutations between nucleotide excision repair-proficient and -deficient heterokaryons of Neurospora crassa. Mutat. Res. 285:145-163.

Deutsch, A., A. Dress and L. Rensing 1993. Formation of morphological differentiation patterns in the ascomycete Neurospora crassa. Mech. Dev. 44: 1731.

Dillon, D. C. 1993. Spontaneous mutation in Neurospora crassa: Studies in wildtype and mutator strain Mut-l. Dissert. Abstr.-B 53: 3907.

Diolez, A., T. Langin, C. Gerlinger, Y. Brygoo and M. J. Daboussi 1993. The nia gene of Fusarium oxysporum: isolation, sequence and development of a homologous transformation system. Gene 131: 61-67.

Drose, S., K. U. Bindseil, E. J. Bowman, A. Siebers, A. Zeeck and K. Altendorf 1993. Inhibitory effect of modified bafilomycins and concanamycins on P- and V-type adenosinetriphosphatases. Biochemistry 32:3902-3906.

Duarte, M., J. A. Belo and A. Videira 1993. Primary structure of the nuclear-encoded 10.5 kDa subunit of complex I from Neurospora crassa. Biochim. Biophys. Acta. 1172: 327-328.

Dunlap, J. C. 1993. Genetic analysis of circadian clocks. Ann. Rev. Physiol. 55:683-728.

Exley, G.E., J.D. Colandene and R.H. Garrett 1993. Molecular cloning, characterization, and nucleotide sequence of nit-6, the structural gene for nitrite reductase in Neurospora crassa. J. Bacteriol. 175:2379-2392.

Fairfield, A. and B. C. Turner 1993. Substitution of paper for sucrose can reverse apparent male sterility in Neurospora. Fungal Genet. Newslett. 40: 30-31.

Fecke, W., U. Nehls and H. Weiss 1993. An antisense RNA expression vector for Neurospora crassa. Fungal Genet. Newslett. 40: 34-35.

Feng, B., X. Xiao and G. A. Marzluf 1993. Recognition of specific nucleotide bases and cooperative DNA binding by the trans-acting nitrogen regulatory protein NIT2 of Neurospora crassa. Nucleic Acids Res. 21: 3989-3996.

Foss, E., R. Lande, F. W. Stahl and C. M. Steinberg 1993a Chiasma interference as a function of genetic distance. Genetics 133:681-691.

Foss, H. M., C. J. Roberts, K. M. Claeys and E.U. Selker 1993b Abnormal chromosome behavior in Neurospora mutants defective in DNA methylation. Science 262: 1737-1741.

Fracella, F., S. Mohsenzadeh and L. Rensing 19 9 3 Purification and partial amino acid sequence of the major 70 000-dalton heat shock protein in Neurospora crassa. Exp. Mycol. 17: 362-367.

Freedman, T. and P. J. Pukkila 1993. Quick and reliable method to analyze meiotic segregation patterns in Coprinus cinereus using the polymerase chain reaction. Fungal Genet. Newslett. 40: 36-37.

Friedrich, T., U. Weidner, U. Nehls, W. Fecke, R. Schneider and H. Weiss 1993. Attempts to define distinct parts of NADH: ubiquinone oxidoreductase (complex I). J.Bioenerg. Biomembr. 25:331-337.

Fuentes, A. M., M. A. J. Taylor, J. Jenkins and I. Connerton 1993. Rapid purification and crystallization of Neurospora crassa tyrosinase. Fungal Genet. Newslett. 40: 38-39.

Fujimoto, T., T. Ohnishi and H. Nakashima 1993. Newly isolated mutants of Neurospora crassa that can grow optimally in a low calcium medium. Plant Cell Physiol. 34: 209-213.

Gambill, B. D., W. Voos, P. J. Kang, B. Miao, T. Langer, E.A. Craig and N. Pfanner 1993. A dual role for mitochondrial heat shock protein 70 in membrane translocation of preproteins. J.Cell Biol. 123:109-117.

Goldraij, A., M. C. Miozzo and J. A. Curtino 1993. Glycogen-bound protein in lower eukaryote and prokaryote. Biochem. Mol. Biol. Inter. 30: 453-460

Goodrich-Tanrikulu, M., M. I. Makapugay, A. Stafford and G. Fuller 1993. Isolation and characterization of linolenate-requiring mutants of Neurospora crassa. Plant Physiol. 102: 93 (Abstr.).

Goormaghtigh, E., L. Vigneron and J. M. Ruysschaert 1993. Secondary and tertiary structure changes of Neurospora crassa plasma membrane H+-ATPase probed by infared spectroscopy. Biophys. J. 64: A334 (Abstr.).

Griffiths, A. J. F. and X. Yang 1993. Senescence in natural populations of Neurospora intermedia. Mycol. Res. 97: 1379-1387.

Guo, H. C. T., D. M. De Abreu, E. R. M. Tillier, B. J. Saville, J. E. Olive and R. A. Collins 1993. Nucleotide sequence requirements for self-cleavage of Neurospora VS RNA. J. Mol. Biol. 232: 351-361.

Guo, Q. 1993. RNA splicing in Neurospora mitochondria: The interaction of tyrosyl-tRNA synthetase and group I introns. Dissert. Abstr.-B 53: 5551.

Guo, X. W. and C. A. Mannella 1993. Conformational change in the mitochondrial channel, VDAC, detected by electron cryo-microscopy. Biophys. J. 64: 545-549.

Hall, J. C. and M. Rosbash 1993. Oscillating molecules and how they move circadian clocks across evolutionary boundaries. Proc. Natl. Acad. Sci., USA 90:5382-5383.

Hansberg, W., H. De Groot and H. Sies 1993. Reactive oxygen species associated with cell differentiation in Neurospora crassa. Free Radic. Biol. Med. 14: 287-293.

Hao, R. and J. C. Schmit 1993. Cloning of the gene for glutamate decarboxylase and its expression during conidiation in Neurospora crassa. Biochem. J. 293: 735-738.

Hawkins, A. R., H. K. Lamb, J. D. Moore and C. F. Roberts 1993a Genesis of eukaryotic transcriptional activator and repressor proteins by splitting a multidomain anabolic enzyme. Gene 136:49-54.

Hawkins, A. R., J. D. Moore and A. M. Adeokun 1993b Characterization of the 3-dehydroquinase domain of the pentafunctional AROM protein, and the quinate dehydrogenase from Aspergillus nidulans, and the overproduction of the type II 3-dehydroquinase from Neurospora crassa. Biochem. J. 296: 451-457.

Hawkins, A. R., J. D. Moore and H. K. Lamb 1993c The molecular biology of the pentafunctional AROM protein. Biochem. Soc. Trans. 21: 181-186.

Hill, R. A., G. W. Kirby, G. J. O'Loughlin and D. J. Robins 1993. Stereochemistry and mechanisms of the 3-carboxymuconate fungal pathway in Neurospora SY4a. J. Chem. Soc. Perkin Trans. 1993:1967-1972

Holden, M. J. and M. Colombini 1993. The outer mitochondrial membrane channel, VDAC, is modulated by a protein localized in the intermembrane space. Bioch. Biophys. Acta 1144: 396-402.

Howlett, B. J., J. F. Leslie and D. D. Perkins 1993. Putative multiple alleles at the vegetative (heterokaryon) incompatibility loci het-c and het-8 in Neurospora crassa. Fungal Genet. Newslett. 40: 40-42.

Hurst, L. D. and A. Grafen 1993. Unusual mutational mechanisms and evolution. Science 260: 1959-1960 [letter; comment].

Irelan, J., V. Miao and E. U. Selker 1993. Small scale DNA preps for Neurospora crassa. Fungal Genet. Newslett. 40:24.

Ishii, C. and H. Inoue 1991 Effect of the denV gene on UV sensitivity of Neurospora crassa. Jpn. J. Genet. 66:770 (Abstr.).

Kaldenhoff, R. and V. E. A. Russo 1993. Promoter analysis of the bli-7/eas gene. Curr. Genet. 24: 394-399.

Kanaan, M. N. and G. A. Marzluf 1993. The positive-acting sulfur regulatory protein CYS3 of Neurospora crassa: nuclear localization, autogenous control, and regions required for transcriptional activation. Mol. Gen. Genet. 239: 334-344.

Kang, S. 1993. Functional domains of the transcriptional activator NUC-1 in Neurospora crassa. Gene 130: 259-264.

Kang, S. and R. L. Metzenberg 1993. Insertional mutagenesis in Neurospora crassa: Cloning and molecular analysis of the preg+ gene controlling the activity of the transcriptional activator NUC-1. Genetics 133:193-202.

Kapoor, M., Y. Vijayaraghavan, R. Kadonaga and K. LaRue 1993. NAD+-specific glutamate dehydrogenase of Neurospora crassa: Cloning, complete nucleotide sequence and gene mapping. Biochem.Cell.Biol. 71: 205-219.

Katasonova, T. V., T. A. Lyudnikova and V. A. Paseshnichenko 1993. Terpenoid biosynthesis in cell-free extracts from several Neurospora crassa strains. Biochemistry-Russia S8:607-611.

Keil, P. and N. Pfanner 1993. Insertion of MOM22 into the mitochondrial outer membrane strictly depends on surface receptors. FEBS Lett. 321: 197-200.

Keil, P., A. Weinzierl, M. Kiebler, K. Dietmeier, T. Sollner and N. Pfanner 1993. Biogenesis of the mitochondrial receptor complex. Two receptors are required for binding of MOM38 to the outer membrane surface. J. Biol. Chem. 268:19177-19180.

Kiebler, M., P. Keil, H. Schneider, I. J. van der Klei, N. Pfanner and W. Neupert 1993. The mitochondrial receptor complex: a central role of MOM22 in mediating preprotein transfer from receptors to the general insertion pore. Cell 74: 483-492.

Kincaid, R. L., T. Muramatsu and K. Ueki 1993. Functional equivalence of mammalian calcineurin and Neurospora crassa catalytic subunits in immunosuppressant-sensitive regulation of transcriptional elements. FASEB 7: A1053 (Abstr.)

Kinsey, J. A. 1993. Transnuclcar retrotransposition of the Tad element of Neurospora. Proc. Natl. Acad. Sci. USA 90: 9384-9387.

Knight, H., A. J. Trewavas and N. D. Read 1993. Confocal microscopy of living fungal hyphae microinjected with Ca2+-sensitive fluorescent dyes. Mycol. Res. 97: 1505-1515.

Koenraadt, H. and A. L. Jones 1993. Resistance to benomyl conferred by mutations in codon 198 or 200 of the beta-tubulin gene of Neurospora crassa and sensitivity to diethofencarb conferred by codon 198. Phytopathology 83:850-854.

Kothe, G., M. Deak and S. J. Free 1993. Use of the Neurospora tyrosinase gene as a reporter gene in transaformation experiments. Fungal Genet. Newslett. 40:43-45.

Kruschwitz, H., D. McDonald, E. Cossins and V. Schirch 1993. Purification of Neurospora crassa cytosolic serine hydroxymethyltransferase. Adv. Exp. Med. Biol. 338: 719-722.

Lakin-Thomas, P. L. 1993a Effects of inositol starvation on the levels of inositol phosphates and inositol lipids in Neurospora crassa. Biochem. J. 292: 805-811.

Lakin-Thomas, P. L. 1993b Evidence against a direct role for inositol phosphate metabolism in the circadian oscillator and the blue-light signal transduction pathway in Neurospora crassa. Biochem.J. 292:813-818.

Laszlo, V. and B. Csaba 1992 Phospholipid content of untreated and insulin treated cells of Neuropsora crassa (wall-less strain). Acta Microbiol. Hngarica 39: 229-33.

Lauter, F. R. and C. Yanofsky 1993. Day/night and circadian rhythm control of con gene expression in Neurospora. Proc. Natl. Acad. Sci. USA 90:8249-253.

Lee, S. B. and J. W. Taylor 1993. Uniparental inheritance and replacement of mitochondrial DNA in Neurospora tetrasperma. Genetics 134: 1063-1075.

Li, Q., G. Jarai, B. Yaghmai and G. A. Marzluf 1993. The leu-l gene of Neurospora crassa: Nucleotide and deduced amino acid sequence comparisons. Gene 136: 301-305.

Li, Q. and F. E. Nargang 1993. Two Neurospora mitochondrial plasmids encode DNA polymerases containing motifs characteristic of family B DNA polymerases but lack the sequence Asp-Thr-Asp. Proc. Natl. Acad. Sci. USA 90: 4299-4303.

Lloyd, A. L. and D. Lloyd 1993. Hypothesis: The central oscillator of the circadian clock is a controlled chaotic attractor. BioSystems 29: 77-85.

Lu, B. C. 1993. Spreading the synaptonemal complex of Neurospora crassa. Chromosoma 102: 464-472.

Machwe, A. and M. Kapoor 1993. Identification of the heat shock protein of Neurospora crassa corresponding to the stress-inducible peroxidase. Biochem. Biophys. Res. Commun. 196: 692-698.

Maier, J. and H. Ninnemann 1993. Detection of pterins and enzymatic activities of GTP-cyclohydrolase I and sepiapterin reductase in Neurospora crassa and Phycomyces blakesleeanus. Flmgal Genet. Newslett. 40: 46-48.

Marzluf, G. A. 1993. Regulation of sulfur and nitrogen metabolism in filamentous fungi. Annu. Rev. Microbiol. 47: 31-55.

Mautino, M. R., S. D. Haedo and A. L. Rosa 1993. Physical mapping of meiotic crossover events in a 200-kb region of Neurospora crassa linkage group I. Genetics 134 1077-1083.

Mayer, A., R. Lill and W. Neupert 1993. Translocation and insertion of precursor proteins into isolated outer membranes of mitochondria. J. Cell Biol. 121:1233 1243.

Melnick, M. B., C. Melnick, M. Lee and D. O. Woodward 1993. Structure and sequence of the calmodulin gene from Neurospora crassa. Biochim. Biophys. Acta 1171: 334-336.

Metzenberg, R. L. 1993. Do protoperithecia smell perithecia? Fungal Genet. Newslett. 40: 83.

Metzenberg, R.L. and J. Grotelueschen 1993. Restriction polymorphism maps of Neurospora crassa: update Fungal Genet. Newslett. 40:130-138.

Metzenberg, R. L. and T. A. Randall 1993. Mating Neurospora crassa and its relatives. J. Cell. Biochem S17C: 126 (Abstr.).

Mishra, N. C. 1991 Genetics and molecular biology of Neurospora crassa. Advances Genet. 29:1-62.

Morelli, G., M. A. Nelson, P. Ballario and G. Macino 1993. Photoregulated carotenoid biosynthetic genes of Neurospora crassa. Methods Enzymol. 214: 412-424.

Moreno, M. A., M. C. Ramos and G. Suarez 1993. Characterization of some aflatoxin-deficient mutants of Aspergillus parasiticus. Fungal Genet. Newslett. 40: 49-50.

Moussatos, V. V. and C. L. Slayman 1993. Endomembranal sequestration of fluorescent ion-indicator dyes in Neurospora crassa. Plant Physiol. 102:109 (Abstr.).

Mullin, P. G., B. G. Turgeon and O. C. Yoder 1993. Complementation of Cochliobolus heterostrophus trp mutants produced by gene replacement. Fungal Genet. Newslett. 40:51-53.

Murayama, T. 1991 A suppressor mutation which suppresses an adenylate cyclase mutation in Neurospora crassa. Jpn. J. Genet. C6: 767 (Abstr.).

Murayama, T., C. T. Yamashiro and S. Kore-eda 1993. Genes related to regulation of conidial formation in Neurospora crassa. Symp. Mycol. Soc. Jpn. 34-37.

Nakano, E. T., R. D. Fox, D.E. Clements, K. Koo, W. D. Stuart and J. M. Ivy 1993. Expression vectors for Neurospora crassa and expression of a bovine preprochymosin cDNA. Fungal Genet. Newslett. 40:54-56.

Natvig, D. O. and T. Nguyen 1993. Rapid screening for Neurospora crassa strains lacking CuZn superoxide dismutase (sod-l). Fungal Genet. Newslett. 40: 57.

Okamoto, P. M., R. H. Garrett and G. A. Marzluf 1993. Molecular characterization of conventional and new repeat-induced mutants of nit-3, the structural gene that encodes nitrate reductase in Neurospora crassa. Mol. Gen. Genet. 238: 81-90.

Okamoto, P. M. and G. A. Marzluf 1993. Nitrate reductase of Neurospora crassa: The functional role of individual amino acids in the heme domain as examined by site-directed mutagenesis. Mol. Gen. Genet. 240: 221-230.

Owen, N. E. 1993. Isolation and analysis of novel acetate non- utilizing mutants in Neurospora crassa. Dissert. Abstr.-B 53: 4493.

Pall, M. L. 1993. The use of Ignite (Basta;glufosinate; phosphinothricin) to select transformants of bar-containing plasmids in Neurospora crassa. Fungal Genet. Newslett. 40: 58.

Pall, M. L. and J. P. Brunelli 1993. A series of six compact fungal transformation vectors containing polylinkers with multiple unique restriction sites. Fungal Genet. Newslett. 40: 59-62.

Pandit, A. 1993. Germination of mcm microconidia of Neurospora crassa. Fungal Genet. Newslett. 40: 63.

Pandit, A. and R. Maheshwari 1993. A simple method of obtaining pure microconidia in Neurospora crassa. Fungal Genet. Newslett. 40: 64-65.

Pandit, N. N. and V. E. A. Russo 1993. Simple methods for crossing and genetic analysis of Neurospora crassa strains. Fungal Genet. Newslett. 40: 32-33.

Papavinasasundaram, K. G. and D. P. Kasbekar 1993. Pisatin resistance in Dictyostelium discoideum and Neurospora crassa:. J. Gen. Microbiol. 139: 3035-3041.

Perkins, D. D. 1991 In praise of diversity. In: More Gene Manipulations in Fungi., Academic Press, Inc., New York.

Perkins, D. D. 1993. Use of a helper strain in Neurospora crassa to maintain stocks of uvs-4 and uvs-5, which deteriorate unless sheltered in heterokaryons. Fungal Genet. Newslett. 40: 66.

Perkins, D. D. and J. A. Kinsey 1993. New chromosome rearrangements from conidia of Neurospora wild type OR23-lVA. Fungal Genet. Newslett. 40: 67-68.

Perkins, D. D., J. A. Kinsey, D. K. Asch and G. D. Frederick 1993a Chromosome rearrangements recovered following transformation of Neurospora crassa. Genetics 134: 729-736.

Perkins, D. D., J. F. Leslie and D. J. Jacobson 1993b Strains for identifying and studying individual vegetative (heterokaryon) incompatibility loci in Neurospora crassa. Fungal Genet. Newslett. 40: 69-73.

Pitkin, J. W. 1993. Genetics and regulation of polyamine biosynthesis in Neurospora crassa. Dissert. Abstr.-B 53: 5082.

Prior, S. L., B. W. Cunliffe, G. D. Robson and A. P. J. Trinci 1993. Multiple isomers of phosphatidyl inositol monophosphate and inositol bis- and trisphosphates from filamentous fungi. FEMS Microbiol. Lett. 110: 147-152.

Ramana, V. V. and K. S. Sastry 1993. Chromium-uric acid complexes as growth substrates and inducers of uricase in Neurospora crassa. J. Inorg. Biochem. 50: 107-117.

Rawat, U., A. Boddhe, V. Deshpande and M. Rao 1993. D-xylose catabolizing enzymes in Neurospora crassa and their relationship to D-xylose fermentation. Biotechnol. Lett. 15: 1173-1178.

Sandmann, G. 1993. Photoregulation of carotenoid biosynthesis in mutants of Neurospora crassa: Activities of enzymes involved in the synthesis and conversion of phytoene. Z. Naturforsch. 48: 570-574.

Sandmann, G., N. Misawa, M. Wiedemann, P. Vittorioso, A. Carattoli, G. Morelli and G. Macino 1993. Functional identification of al-3 from Neurospora crassa as the gene for geranylgeranyl pyrophosphate synthase by complementation with CRT genes, in vitro characterization of the gene product and mutant analysis. J. Photochem. Photobiol. 18: 245-251.

Schlame, M., S. Brody and K. Y. Hostetler 1993. Mitochondrial cardiolipin in diverse eukaryotes. Comparison of biosynthetic reactions and molecular acyl species. Eur. J. Biochem. 212: 727-735.

Segui-Real, B., G. Kispal, R. Lill and W. Neupert 1993. Functional independence of the protein translocation machineries in mitochondrial outer and inner membranes: passage of preproteins through the intermembranespace. EMBO J. 12:2211-2218.

Selker, E. U., D. Y. Fritz and M. J. Singer 1993. Dense nonsymmetrical DNA methylation resulting from repeat-induced point mutation in Neurospora. Science 262: 1724-1728.

Serrano, R. 1993. Structure, function and regulation of plasma membrane H+-ATPase. FEBS Lett. 325: 108-111.

Shao, L., S. Stanley, D. D'Arcangelis and C. A. Mannella 1993. Secondary structure and surface topography of the mitochondrial VDAC channel of Neurospora crassa. Biophys. J. 64: A342 (Abstr.).

Soshi, T., T. Nishida and H. Inoue 1991 Analysis of DNA sequence of DNA repair gene uvs-2 in Neurospora crassa. Jpn. J. Genet. 66: 770 (Abstr.).

Springer, M. L. 1993a Genetic control of fungal differentiation: The three sporulation pathways of Neurospora crassa. BioEssays 15: 365-374.

Springer, M. L. 1993b Genetic control of morphological differentiation in Neurospora crassa. Dissert. Abstr.-B 53: 50.

Steinberg, G. and M. Schliwa 1993. Organelle movements in the wild type and wall-less fz;sg;os-1 mutants of Neurospora crassa are mediated by cytoplasmic microtubules. J. Cell Sci. 106: 555-564.

Stone, P. J., A. J. Makoff, J. H. Parish and A. Radford 1993. Cloning and sequence analysis of the glucoamylase gene of Neurospora crassa. Curr. Genet. 24: 205-211.

Stringer, M. A. and W. E. Timberlake 1993. Cerato-ulmin, a toxin involved in Dutch elm disease, is a fungal hydrophobin. Plant Cell 5:145-146.

Sylvester, K. and D.O. Natvig 1993. Ribosomal DNA representation in the Orbach-Sachs and VollmerYanofsky N. crassa cosmid libraries. Fungal Genet. Newslett. 40: 74-75.

Tamaru, H. and H. Inoue 1991 The general regulatory gene for amino acid biosynthetic genes is required for trascriptional activation of the lacc gene in Neurospora crassa. Jpn. J. Genet. 66: 767 (Abstr.).

Taylor, J. W., B. H. Bowman, M. L. Berbee and T. J. White 1993. Fungal model organisms - phylogenetics of Saccharomyces, Aspergillus and Neurospora. Systematic Biol. 42: 440-457.

Temporini, E. D. and A. L. Rosa 1993. Pleiotropic anddifferential phenotypic expression of two sn (snowflake) mutant alleles of Neurospora crassa: Analysis in homokaryotic and heterokaryotic cells. Curr. Genet. 23:129-133.

Tomita, H., T. Soshi and H. Inoue 1993. The Neurospora uvs-2 gene encodes a protein which has homology to yeast RAD18, with unique zinc finger motifs. Mol. Gen. Genet. 238: 225-233.

Turner, B. C. and D. D. Perkins 1993. Strains for studying Spore killer elements in four Neurospora species. Fungal Genet. Newslett. 40: 76-78.

Turner, G. E. and K. A. Borkovich 1993. Identification of a G protein a subunit from Neurospora crassa that is a member of the Gi family. J. Biol. Chem. 268: 14805-14811.

Vagvolgyi, C., J. Varga and L. Ferenczy 1993. Detection of double-stranded RNA in Mucor ramannianus. Fungal Genet. Newslett. 40: 79.

Vickery, D. B. 1993. A functional analysis of the kaldna plasmid from senescent strains of Neurospora intermedia. Dissert. Abstr.-B 53: 4516.

Vickery, D. B. and A. Griffiths 1993. Transcriplion of the kalilo linear senescence plasmid from Neurospora intermedia. Plasmid 29: 180-192.

Videira, A., J. E. Azevedo, S. Werner and P. Cabral 1993. The 12.3 kDa subunit of complex I (respiratory-chain NADH dehydrogenase) from Neurospora crassa: cDNA cloning and chromosomal mapping of the gene. Biochem. J. 291: 729-732.

Wang, H. and A. M. Lambowitz 1993a The Mauriceville plasmid reverse transcriptase can initiate cDNA synthesis de novo and may be related to reverse transcriptase and DNA polymerase progenitor. Cell 75: 1071-1081.

Wang, H. and A. M. Lambowitz 1993b Reverse transcription of the Mauriceville plasmid of Neurospora. Lack of ribonuclease H activity associated with the reverse transcriptase and possible use of mitochondrial ribonuclease H. J. Biol. Chem. 268: 18951 -18959.

Wang, Z., K. A. Tarawneh and S. J. Free 1993. Isolation, sequencing, and characterization of crp-S, a gene encoding a Neurospora ribosomal protein. Curr. Genet. 23: 330-333.

White, B. T. 1993. Structure and developmental regulation of a gene expressed during conidiation in Neurospora crassa. Dissert. Abstr.-B 53: 1211.

White, B. T. and C. Yanofsky 1993. Structural characterization and expression analysis of the Neurospora conidiation gene con-6. Dev. Biol. 160: 254-264.

Williams, J. G., K., M. K. Hanafey, J. A. Rafalski and S. V. Tingey 1993. Genetic analysis using random amplified polymorphic DNA markers. Methods Enzymol. 218: 704-740.

Williams, L. J. 1992 Regulation of the ornithine decarboxylase gene of Neurospora crassa. Dissert. Abstr.-B 52: 669.

Xiao, X.D. and G. A. Marzluf 1993. Amino-acid substitutions in the zinc finger of NIT2, the nitrogen regulatory protein of Neurospora crassa, alter promoter element recognition. Curr.Genet. 24:212-218.

Xu, J.-R. and J. F. Leslie 1993. A computer program for constructing classical genetic linkage maps in haploid fungi. Fungal Genet. Newslett. 40: 80-82.

Yang, X. and A.J.F. Griffiths 1993a Plasmid suppressors active in the sexual cycle of Neurospora intermedia. Genetics 135: 993-1002.

Yang, X. and A. J. F. Griffiths 1993b Male transmission of linear plasmids and mitochondrial DNA in the fungus Neurospora. Genetics 134: 1055-1062.

Yang, X. and A. J. F. Griffiths 1993c Plasmid diversity in senescent and nonsenescent strains of Neurospora. Mol. Gen. Genet. 237:177-186.

Yang, Y., M. Bastos and K. Y. Chen 1993. Effects of osmotic stress and growth stage on cellular pH and polyphosphate metabolism in Neurospora crassa as studied by 31 P nuclear magnetic resonance spectroscopy. Biochim. Biophys. Acta. 1179:141-147.

Yanofsky, C., F. Lauter, C. Yamashiro and D. Ebbole 1993. Shedding light on conidiation in Neurospora. J. Cell. Biochem. S17C: 129 (Abstr.).

Youatt, J. 1993. Calcium and microorganisms. Crit. Rev. Microbiol. 19: 83-97.

Zambrowicz, E. B. and M. Colombini 1993. Zero-current potentials in a large membrane channel: a simple theory accounts for complex behavior. Biophys. J. 65: 1093-1100.

Zamma, A., H. Tamaru, T. Harashima and H. Inoue 1993. Isolation and characterization of mutants defective in production of laccase in Neurospora crassa. Mol. Gen. Genet. 240: 231-237.

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- Maheshwari, R. See Pandit, A.
- Makapugay, M.I. See Goodrich-Tanrikulu, M.
- Makoff, A. J. See Stone, P. J.
- Mannella, C. A. See Guo, X. W.
- Mannella, C. A. See Shao, L.
- Martinez, L. M. See Calderon, J.
- Marzluf, G. A. See Brito, N.
- Marzluf, G. A. See Feng, B.
- Marzluf, G. A. See Kanaan, M. N.
- Marzluf, G. A. See Li, Q.
- Marzluf, G. A. See Okamoto, P. M.
- Marzluf, G. A. See Xiao, X. D.

- McDonald, D. See Knischwitz, H.
- McPherson, M. J. See Baron, A. J.
- Melnick, C. See Melnick, M. B.
- Metzenberg, R. L. See Butler, D. K.
- Metzenberg, R. L. See Kang, S.
- Miao, B. See Gambill, B. D.
- Miao, V. See Irelan, J.
- Michel, S. H. See Aronson, B. D.
- Miozzo, M. C. See Goldraij, A.
- Mirmiran, M. See Aronson, B. D.
- Misawa, N. See Sandmann, G.
- Mohsenzadeb, S. See Fracella, F.
- Monks, C. See Awald, P.
- Moore, J. D. See Hawkins, A. R.
- Moore, R. Y. See Aronson, B. D.
- Morelli, G. See Arpaia, G.
- Morelli, G. See Sandmann, G.
- Muramatsu, T. See Kincaid, R. L.
- Nakashima, H. See Fujimoto, T.
- Nargang, F. E. See Li, Q.
- Natvig, D. O. See Sylvester, K.
- Nehls, U. See Fecke, W.
- Nehls, U. See Friedrich, T.
- Nelson, M. A. See Morelli, G.
- Neupert, W. See Kiebler, M.
- Neupert, W. See Mayer, A.
- Neupert, W. See Segui-Real, B.
- Nguyen, T. See Natvig, D. 0.
- Ninnemann, H. See Maier, J.
- Nishida, T. See Soshi, T.
- O'Loughlin, G. J. See Hill, R. A.
- Obnishi, T. See Fujimoto, T.
- Olive, J. E. See Collins, R. A.
- Olive, J. E. See Guo, H. C. T.
- Ortega, P. R. See Capelli, N.
- Pall, M. L. See Brunelli, J. P.
- Panzetta, G. See Alvarez, M. E.
- Parish, J. H. See Stone, P. J.
- Paseshnichenko, V. See Katasonova, T. V.
- Patrito, L. See Alvarez, M. E.
- Perkins, D. D. See Howlett, B. J.
- Perkins, D. D. See Turner, B. C.
- Pfanner, N. See Gambill, B. D.
- Pfanner, N. See Keil, P.
- Pfanner, N. See Kiebler, M.
- Phillips, S. E. See Baron, A. J.
- Pincheira, G. See Cifuentes, V.
- Pukkila, P. J. See Freedman, T.
- Radford, A. See Stone, P. J.
- Radloff, R. J. See Cheng, R.
- Rafalski, J. A. See Williams, J. G. K.
- RajBhandary, U. L. See Chow, C. M.
- Ramos, M. C. See Moreno, M. A.
- Randall, T. A. See Metzenberg, R. L.

- Rao, M. See Rawat, U.
- Read, N. D. See Knight, H.
- Rensing, L. See Deutsch, A.
- Rensing, L. See Fracella, F.
- Roberts, C. F. See Hawkins, A. R.
- Roberts, C. J. See Foss, H. M.
- Robins, D. J. See Hill, R. A.
- Robson, G. D. See Prior, S. L.
- Rosa, A. L. See Alvarez, M. E.
- Rosa, A. L. See Mautino, M. R.
- Rosa, A. L. See Temporini, E. D.
- Rosbash, M. See Hall, J. C.
- Ruby, N. F. See Aronson, B. D.
- Russo, V. E. A. See Bruchez, J. J. P.
- Russo, V. E. A. See Kaldenhoff, R.
- Russo, V. E. A. See Pandit, N. N.
- Ruysschaert, J. M. See Goormaghtigh, E.
- Sastry, K. S. See Ramana, V. V.
- Saville, B. J. See Guo, H. C. T.
- Schirch, V. See Kruschwitz, H.
- Schliwa, M. See Steinberg, G.
- Schmit, J. C. See Hao, R.
- Schneider, H. See Kiebler, M.
- Schneider, R. See Friedrich, T.
- Seidel-Rogol, B. L. See Bertrand, H.
- Selitrennikoff, C. P. See Awald, P.
- Selker, E. U. See Foss, H. M.
- Selker, E. U. See Irelan, J.
- Siebers, A. See Drose, S.
- Sies, H. See Hansberg, W.
- Silver, R. See Aronson, B. D.
- Singer, M. J. See Selker, E. U.
- Slayman, C. L. See Moussatos, V. V.
- Sollner, T. See Keil, P.
- Soshi, T. See Tomita, H.
- Stafford, A. See Goodrich-Tanrikulu, M.
- Stahl, F. W. See Foss, E.
- Stanley, S. See Shao, L.
- Steinberg, C. M. See Foss, E.
- Stevens, C. See Baron, A. J.
- Stuart, W. D. See Nakano, E. T.
- Sudrez, G. See Moreno, M. A.
- Tamaru, H. See Zamma, A.
- Tarawneh, K. A. See Wang, Z.
- Taylor, J. W. See Lee, S. B.
- Taylor, M. A. J. See Fuentes, A. M.
- Temporini, E. D. See Alvarez, M. E.
- Tillier, E. R. M. See Guo, H. C. T.
- Timberlake, W. E. See Stringer, M. A.
- Tingey, S. V. See Williams, J. G. K.
- Trewavas, A. J. See Knight, H.
- Trinci, A. P. J. See Prior, S. L.
- Tropschug, M. See Barthelmess, I. B.
- Turek, F. W. See Aronson, B. D.

- Turgeon, B. G. See Mullin, P. G.
- Turian, G. See Barja, F.
- Turian, G. See Capelli, N.
- Turner, B. C. See Fairfield, A.
- Ueki, K. See Kincaid, R. L.
- van der Klei, 1. J. See Kiebler, M.
- Varga, J. See Vagvolgyi, C.
- Videira, A. See Duarte, M.
- Vigneron, L. See Goormaghtigh, E.
- Vijayaraghavan, Y. See Kapoor, M.
- Vittorioso, P. See Sandmann, G.
- Voos, W. See Gambill, B. D.
- Weidner, U. See Friedrich, T.
- Weinzierl, A. See Keil, P.
- Weiss, H. See Fecke, W.
- Weiss, H. See Friedrich, T.
- Wemer, S. See Azevedo, J. E.
- Werner, S. See Videira, A.
- White, T. J. See Taylor, J. W.
- Wiedemann, M. See Sandmann, G.
- Wilmot, C. M. See Baron, A. J.
- Wolstenholme, A. See Alvarez, M. E.
- Woodward, D. 0. See Melriick, M. B.
- Wu, Q. See Bertrand, H.
- Xiao, X. See Feng, B.
- Yaghmai, B. See Li, Q.
- Yamashiro, C. See Yanofsky, C.
- Yamashiro, C. T. See Murayama, T.
- Yang, X. See Griffiths, A. J. F.
- Yanofsky, C. See , Lauter, F. R.
- Yanofsky, C. See White, B. T.
- Yoder, 0. C. See Mullin, P. G.
- Zatz, M. See Aronson, B. D.
- Zeeck, A. See Drose, S.
- Zickler, D. See Arnaise, S.
- Zucker, I See Aronson, B. D.
- Zugel, M. See Awald, P.