

brought to you by [www.thebacteriophages.org](http://www.thebacteriophages.org) and [www.phage.org](http://www.phage.org)

## References

1. **Adolph, K. W., and R. Haselkorn.** 1973. Isolation and characterization of a virus infecting a blue-green alga of the genus *Synechococcus*. *Virology* **54**: 230-236.
2. **Adolph, K. W., and R. Haselkorn.** 1971. Isolation and characterization of a virus infecting the blue-green alga *Nostoc muscorum*. *Virology* **46**:200-208.
3. **Adolph, K. W., and R. Haselkorn.** 1972. Photosynthesis and the development of the blue-green algal virus N-1. *Virology* **47**:370-374.
4. **Allen, M. M., and F. Hutchison.** 1976. Effect of some environmental factors on cyanophage AS-1 development in *Anacystis nidulans*. *Arch. Microbiol.* **110**:55-60.
5. **Amla, D. V.** 1979. Photoreactivation of ultraviolet irradiated blue-green alga: *Anacystis nidulans* and cyanophage AS-1. *Arch. Virol.* **59**:173-179.
6. **Amla, D. V., P. Rowell, and W. D. P. Stewart.** 1987. Metabolic changes associated with cyanophage N-1 infection of the cyanobacterium *Nostoc muscorum*. *Arch. Microbiol.* **148**:321-327.
7. **Asato, Y.** 1976. Ultraviolet light inactivation and photoreactivation of AS-1 cyanophage in *Anacystis nidulans*. *J. Bacteriol.* **126**:550-552.
8. **Baena-Gonzalez, E., and E. M. Aro.** 2002. Biogenesis, assembly and turnover of photosystem II units. *Philos. Trans. R. Soc. Lond. B Biol. Sci.* **357**:1451-1459.

9. **Balogh, A., G. Borbely, C. Cseke, J. Udvardy, and G. L. Farkas.** 1979. Virus infection affects the molecular properties and activity of glucose-6-P dehydrogenase in *Anacystis nidulans*, a cyanobacterium. Novel aspect of metabolic control in a phage-infected cell. *FEBS Lett.* **105**:158-162.
10. **Bancroft, I., and R. J. Smith.** 1988. An analysis of restriction endonuclease sites in cyanophages infecting the heterocystous cyanobacteria *Anabaena* and *Nostoc*. *J. Gen. Virol.* **69**:739-743.
11. **Barry, B. A., R. J. Boerner, and J. C. de Paula.** 1994. The use of cyanobacteria in the study of the structure and function of photosystem II, p. 217-257. *In* D. A. Bryant (ed.), *The molecular biology of cyanobacteria*. Kluwer Academic Publishers, Dordrecht.
12. **Bergh, O., K. Y. Borsheim, G. Bratbak, and M. Haldal.** 1989. High abundance of viruses found in aquatic environments. *Nature* **340**:467-468.
13. **Birge, E. A.** 2000. *Bacterial and Bacteriophage Genetics*. Springer-Verlag, New York.
14. **Bisen, P. S., S. Audholia, H. D. Shukla, A. Gupta, and D. P. Singh.** 1988. Evidence for photosynthetic independence of viral multiplication in cyanophage LPP-1 infected cyanobacterium *Phormidium uncinatum*. *FEMS Microbiol. Lett.* **52**:225-228.
15. **Bisen, P. S., S. N. Bagchi, and S. Audholia.** 1986. Nitrate reductase activity of a cyanobacterium *Phormidium uncinatum* after cyanophage LPP-1 infection. *FEMS Microbiol. Lett.* **33**:69-72.

16. **Blashka, K. H., L. Hwang-Lee, G. Cohn, J. Blamire, and R. E. McGowan.** 1982. Altered metabolite incorporation into the cyanobacterium *Anacystis nidulans* as a result of cyanophage AS-1 infection. *Microbios* **34**:141-152.
17. **Borbely, G., C. Kaki, A. Gulyas, and G. L. Farkas.** 1980. Bacteriophage infection interferes with guanosine 3'-diphosphate-5'-diphosphate accumulation induced by energy and nitrogen starvation in the cyanobacterium *Anacystis nidulans*. *J. Bacteriol.* **144**:859-864.
18. **Borbely, G., M. Kolcsei, and G. L. Farkas.** 1976. The postmaturational cleavage of 23 S ribosomal RNA in *Anacystis nidulans* is inhibited by infection with cyanophage AS-1. *Mol. Biol. Rep.* **3**:139-142.
19. **Brown, D. T., and T. F. Anderson.** 1969. Effect of host cell wall material on the adsorbability of cofactor-requiring T4. *J. Virol.* **4**:94-98.
20. **Brusslan, J., and R. Haselkorn.** 1989. Resistance to the photosystem-II herbicide diuron is dominant to sensitivity in the cyanobacterium *Synechococcus* sp. PCC7942. *EMBO J.* **8**:1237-1245.
21. **Carlson, K., E. A. Raleigh, and S. Hattman.** 1994. Restriction and modification, p. 369-381. *In* J. D. Karam (ed.), *Bacteriophage T4*. ASM Press, Washington D. C.
22. **Chen, F., and J. Lu.** 2002. Genomic sequence and evolution of marine cyanophage P60: a new insight on lytic and lysogenic phages. *Appl. Environ. Microbiol.* **68**:2589-2594.

23. **Chisholm, S. W., S. L. Frankel, R. Goericke, R. J. Olson, B. Palenik, J. B. Waterbury, L. Westjohnsrud, and E. R. Zettler.** 1992. *Prochlorococcus marinus* nov. gen. nov. sp.: an oxyphototrophic marine prokaryote containing divinyl chlorophyll *a* and chlorophyll *b*. Arch. Microbiol. **157**:297-300.
24. **Clokie, M., and N. H. Mann.** 2003. Encapsidation of host DNA by bacteriophages infecting marine *Synechococcus* strains. FEMS Microb. Ecol. **46**:349-352.
25. **Cocito, C., and D. Goldstein.** 1977. Inhibition of lytic induction in lysogenic cyanophytes. J. Virol. **23**:483-491.
26. **Coulombe, A. M., and G. G. C. Robinson.** 1981. Collapsing *Aphanizomenon flos-aquae* blooms: Possible contributions of photo-oxidation, O<sub>2</sub> toxicity, and cyanophages. Can. J. Bot. **59**:1277-1284.
27. **Cseke, C., A. Balogh, and G. L. Farkas.** 1981. Redox modulation of glucose-6-P dehydrogenase in *Anacystis nidulans* and its uncoupling by phage infection. FEBS Lett. **126**:85-88.
28. **Cseke, C. S., and G. L. Farkas.** 1979. Effect of light on the attachment of cyanophage AS-1 to *Anacystis nidulans*. J. Bacteriol. **137**:667-669.
29. **Currier, T. C., and C. P. Wolk.** 1979. Characteristics of *Anabaena variabilis* influencing plaque formation by cyanophage N-1. J. Bacteriol. **139**:88-92.
30. **Delbrück, M.** 1940. Adsorption of bacteriophage under various physiological conditions of the host. J. Gen. Physiol. **23**:631-642.

31. **Desjardins, P. R., and G. B. Olson.** 1983. Viral control of nuisance cyanobacteria (blue-green algae), p. 1-35, California Water Resources Center Contribution No. 185.
32. **Dufresne, A., M. Salanoubat, F. Partensky, F. Artiguenave, I. M. Axmann, V. Barbe, S. Duprat, M. Y. Galperin, E. V. Koonin, F. Le Gall, K. S. Makarova, M. Ostrowski, S. Oztas, C. Robert, I. B. Rogozin, D. J. Scanlan, N. T. de Marsac, J. Weissenbach, P. Wincker, Y. I. Wolf, and W. R. Hess.** 2003. Genome sequence of the cyanobacterium *Prochlorococcus marinus* SS120, a nearly minimal oxyphototrophic genome. Proc. Natl. Acad. Sci. USA **100**:10020-100025.
33. **Dutta, G., N. Hoyle, M. Robison, M. Dyen, P. Raya, B. Guttman, A. Brabban, and E. Kutter.** 2003. Do “nascent” phage explain observed anomalies of T4-like LZ4? Abstracts of the 15th Evergreen international Phage Biology Meeting, Olympia, WA. 21.
34. **Elderkin, S., S. Jones, J. Schumacher, D. Studholme, and M. Buck.** 2002. Mechanism of action of the *Escherichia coli* phage shock protein PspA in repression of the AAA family transcription factor PspF. J. Mol. Biol. **320**:23-37.
35. **Fuhrman, J. A.** 1999. Marine viruses and their biogeochemical and ecological effects. Nature **399**:541-548.
36. **Gantt, E.** 1994. Supramolecular membrane organization, p. 119-138. In D. A. Bryant (ed.), The molecular biology of cyanobacteria. Kluwer Academic Publishers, Dordrecht.

37. **Garza, D. R., and C. A. Suttle.** 1998. The effect of cyanophages on the mortality of *Synechococcus* spp. and selection for UV resistant viral communities. *Microb. Ecol.* **36**:281-292.
38. **Ginzberg, D., E. Padan, and M. Shilo.** 1976. Metabolic aspects of LPP cyanophage replication in the cyanobacterium *Plectonema boryanum*. *Biochim. Biophys. Acta* **423**:440-449.
39. **Ginzburg, D., E. Padan, and M. Shilo.** 1968. Effect of cyanophage infection on CO<sub>2</sub> photoassimilation in *Plectonema boryanum*. *J. Virol.* **2**:695-701.
40. **Goericke, R., and N. A. Welschmeyer.** 1993. The marine prochlorophyte *Prochlorococcus* contributes significantly to phytoplankton biomass and primary production in the Sargasso Sea. *Deep-Sea Res. A* **40**:2283-2294.
41. **Golbeck, J. H.** 1984. Photosystem I in cyanobacteria, p. 319-360. *In* D. A. Bryant (ed.), *Molecular biology of cyanobacteria*. Kluwer Academic Publishers, Dordrecht.
42. **Goloubinoff, P., J. Brusslan, S. S. Golden, R. Haselkorn, and M. Edelman.** 1988. Characterization of the photosystem-II 32-Kda protein in *Synechococcus* PCC7942. *Plant Mol. Biol.* **11**:441-447.
43. **Golubic, S., T. Le Campion-Alsumard, and S. E. Campbell.** 1999. Diversity of marine cyanobacteria. *Bulletin de l'Institut océanographique, Monaco* **19**:53-76.
44. **Gons, H. J., J. Ebert, H. L. Hoogveld, L. van den Hove, R. Pel, W. Takkenberg, and C. J. Woldringh.** 2002. Observations on cyanobacterial

- population collapse in eutrophic lake water. *Antonie Van Leeuwenhoek* **81**:319-326.
45. **Hambly, E., F. Tetart, C. Desplats, W. H. Wilson, H. M. Krisch, and N. H. Mann.** 2001. A conserved genetic module that encodes the major virion components in both the coliphage T4 and the marine cyanophage S-PM2. *Proc. Natl. Acad. Sci. USA* **98**:11411-11416.
46. **Hennes, K. P., C. A. Suttle, and A. M. Chan.** 1995. Fluorescently labeled virus probes show that natural virus populations can control the structure of marine microbial communities. *Appl. Environ. Microbiol.* **61**:3623-3627.
47. **Hewson, I., J. M. O'Neil, and W. C. Dennison.** 2001. Virus-like particles associated with *Lyngbya majuscula* (Cyanophyta; Oscillatoriaceae) bloom decline in Moreton Bay, Australia. *Aquat. Microb. Ecol.* **25**:207-213.
48. **Hwang-Lee, L., K. H. Blashka, J. Blamire, and R. E. McGowan.** 1982. DNA Metabolism during infection of *Anacystis nidulans* by cyanophage AS-1. 1. Identification of a unique species of DNA. *Microbios* **35**:49-62.
49. **Hwang-Lee, L., G. Cohn, L. Cosowsky, R. McGowan, and J. Blamire.** 1985. DNA metabolism during infection of *Anacystis nidulans* by cyanophage AS-1. VII. UV-induced alterations of the AS-1/A. *nidulans* lytic cycle. *Microbios* **43**:277-295.
50. **Ishida, T., M. M. Watanabe, J. Sugiyama, and A. Yokota.** 2001. Evidence for polyphyletic origin of the members of the orders of Oscillatoriales and

- Pleurocapsales as determined by 16S rDNA analysis. FEMS Microbiol. Lett. **201**:79-82.
51. **Kashyap, A. K., and S. Singh.** 1989. Changes in photoelectron transport activity in cyanophage N-1- Infected cells of *Nostoc muscorum*. Curr. Microbiol. **18**:151-155.
  52. **Khudyakov, I., and A. V. Matveev.** 1982. New cyanophages S-4L and S-5L causing lysis of the cyanobacterium *Synechococcus elongatus*. Microbiology **51**:91-97.
  53. **Khudyakov, I. Y., M. D. Kirnos, N. I. Alexandrushkina, and B. F. Vanyushin.** 1978. Cyanophage S-2L contains DNA with 2,6-diaminopurine substituted for adenine. Virology **88**:8-18.
  54. **Kirnos, M. D., I. Y. Khudyakov, N. I. Alexandrushkina, and B. F. Vanyushin.** 1977. 2-aminoadenine is an adenine substituting for a base in S-2L cyanophage DNA. Nature **270**:369-370.
  55. **Koibong, L. I., L. Barksdale, and L. Garmise.** 1961. Phenotypic alterations associated with the bacteriophage carrier state of *Shigella dysenteriae*. J. Gen. Microbiol. **24**:355-367.
  56. **Koonin, E. V., K. S. Makarova, and L. Aravind.** 2001. Horizontal gene transfer in prokaryotes: Quantification and classification. Ann. Review Microbiol. **55**:709-742.
  57. **Kroll, D., K. Meierhoff, N. Bechtold, M. Kinoshita, S. Westphal, U. C. Vothknecht, J. Soll, and P. Westhoff.** 2001. VIPP1, a nuclear gene of



- Arabidopsis thaliana* essential for thylakoid membrane formation. Proc. Natl. Acad. Sci. USA **98**:4238-4242.
58. **Lawrence, J. G., G. F. Hatfull, and R. W. Hendrix.** 2002. Imbroglios of viral taxonomy: Genetic exchange and failings of phenetic approaches. J. Bacteriol. **184**:4891-4905.
59. **Levine, E., and T. Thiel.** 1987. UV-inducible DNA repair in the cyanobacteria *Anabaena* spp. J. Bacteriol. **169**:3988-3993.
60. **Li, W. K. W.** 1995. Composition of Ultraphytoplankton in the Central North-Atlantic. Mar. Ecol. Prog. Ser. **122**:1-8.
61. **Linnaeus, C.** 1753. Species plantarum, exhibentes plantas rite cognitatas, et genera relatas, cum differentibus specificis, nominibus trivialibus, synonymis selectis, locis natalibus, secundum systema sexuale digestas II, Stockholm.
62. **Liu, H. B., H. A. Nolla, and L. Campbell.** 1997. *Prochlorococcus* growth rate and contribution to primary production in the equatorial and subtropical North Pacific Ocean. Aquat. Microb. Ecol. **12**:39-47.
63. **Lu, J., F. Chen, and R. E. Hodson.** 2001. Distribution, isolation, host specificity, and diversity of cyanophages infecting marine *Synechococcus* spp. in river estuaries. Appl. Environ. Microbiol. **67**:3285-3290.
64. **Luftig, R., and R. Haselkorn.** 1967. Morphology of a virus of blue-green algae and properties of its deoxyribonucleic acid. J. Virol. **1**:344-361.
65. **MacKenzie, J. J., and R. Haselkorn.** 1972. Photosynthesis and the development of blue-green algal virus SM-1. Virology **49**:517-521.

66. **Mann, N. H.** 2003. Phages of the marine cyanobacterial picophytoplankton. *FEMS Microbiol. Rev.* **27**:17-34.
67. **Mann, N. H., A. Cook, A. Millard, S. Bailey, and M. Clokie.** 2003. Marine ecosystems: Bacterial photosynthesis genes in a virus. *Nature* **424**:741-741.
68. **Marston, M. F., and J. L. Sallee.** 2003. Genetic diversity and temporal variation in the cyanophage community infecting marine *Synechococcus* species in Rhode Island's coastal waters. *Appl. Environ. Microbiol.* **69**:4639-4647.
69. **Martin, E., and R. Benson.** 1988. Phages of cyanobacteria, p. 607. *In* R. Calendar (ed.), *The Bacteriophages*, vol. 2. Plenum Press, New York.
70. **McDaniel, L., L. A. Houchin, S. J. Williamson, and J. H. Paul.** 2002. Plankton blooms - Lysogeny in marine *Synechococcus*. *Nature* **415**:496-496.
71. **Miller, R. V.** 2001. Environmental bacteriophage-host interactions: factors contribution to natural transduction. *Antonie van Leeuwenhoek* **79**:141-147.
72. **Moisa, I., E. Sotropa, and V. Velehorsch.** 1981. Investigations on the presence of cyanophages in fresh and sea waters of Romania. *Rev. Roum. Med. – Virol.* **32**:127-132.
73. **Muradov, M. M., F. D. Kamilova, G. V. Cherkasova, R. S. Mukhamedov, A. A. Abdugarimov, and A. G. Khalmuradov.** 1990. Detection of NP-1T sequences homologous to the *Klebsiella pneumoniae* structural genes for nitrogenase (nif H, D, K) in the DNA of different strains of temperate cyanophages. *Molec. Biol.* **24**:1022-1026.

74. **Nakajima, Y., S. Yoshida, Y. Inoue, and T. Ono.** 1996. Occupation of the Q(B)-binding pocket by a photosystem II inhibitor triggers dark cleavage of the D1 protein subjected to brief preillumination. *J. Biol. Chem.* **271**:17383-17389.
75. **Ohki, K.** 1999. A possible role of temperate phage in the regulation of trichodesmium biomass. *Bulletin de l'Institut océanographique, Monaco* **19**:287-291.
76. **Ohki, K., and Y. Fujita.** 1996. Occurrence of a temperate cyanophage lysogenizing the marine cyanophyte *Phormidium persicinum*. *J. Phycol.* **32**:365-370.
77. **Ortmann, A. C., J. E. Lawrence, and C. A. Suttle.** 2002. Lysogeny and lytic viral production during a bloom of the cyanobacterium *Synechococcus* spp. *Microb. Ecol.* **43**:225-231.
78. **Padan, E., and M. Shilo.** 1973. Cyanophages - viruses attacking blue-green algae. *Bacteriol. Rev.* **37**:343-370.
79. **Padan, E., M. Shilo, and A. B. Oppenheim.** 1972. Lysogeny of the blue-green alga *Plectonema boryanum* by LPP2-SPI cyanophage. *Virology* **47**:525-526.
80. **Palenik, B., B. Brahmsha, F. W. Larimer, M. Land, L. Hauser, P. Chain, J. Lamerdin, W. Regala, E. E. Allen, J. McCarren, I. Paulsen, A. Dufresne, F. Partensky, E. A. Webb, and J. Waterbury.** 2003. The genome of a motile marine *Synechococcus*. *Nature* **424**:1037-1042.
81. **Palenik, B., and R. Haselkorn.** 1992. Multiple evolutionary origins of prochlorophytes, the chlorophyll b-containing prokaryotes. *Nature* **355**:265-267.

82. **Proctor, L. M., and J. A. Fuhrman.** 1990. Viral mortality of marine bacteria and cyanobacteria. *Nature* **343**:60-62.
83. **Rimon, A., and A. B. Oppenheim.** 1975. Heat induction of the blue-green alga *Plectonema boryanum* lysogenic for the cyanophage SPIc1. *Virology* **64**:454-463.
84. **Rimon, A., and A. B. Oppenheim.** 1976. Protein synthesis following infection of the blue-green alga *Plectonema boryanum* with the temperature virus SPI and its mutants. *Virology* **71**:444-452.
85. **Rippka, R., J. Deruelles, J. B. Waterbury, M. Herdman, and R. Y. Stanier.** 1979. Generic assignments, strain histories and properties of pure cultures of cyanobacteria. *J. Gen. Microbiol.* **111**:1-61.
86. **Rocap, G., F. W. Larimer, J. Lamerdin, S. Malfatti, P. Chain, N. A. Ahlgren, A. Arellano, M. Coleman, L. Hauser, W. R. Hess, Z. I. Johnson, M. Land, D. Lindell, A. F. Post, W. Regala, M. Shah, S. L. Shaw, C. Steglich, M. B. Sullivan, C. S. Ting, A. Tolonen, E. A. Webb, E. R. Zinser, and S. W. Chisholm.** 2003. Genome divergence in two *Prochlorococcus* ecotypes reflects oceanic niche differentiation. *Nature* **424**:1042-1047.
87. **Rodda, K. M.** 1996. Temporal and spatial dynamics of *Synechococcus* spp. and *Micromonas pusilla* host-viral systems. MA. University of Texas at Austin.
88. **Rohwer, F., and R. Edwards.** 2002. The phage proteomic tree: a genome-based taxonomy for phage. *J. Bacteriol.* **184**:4529-4535.

89. **Safferman, R. S., R. E. Cannon, P. R. Desjardins, B. V. Gromov, R. Haselkorn, L. A. Sherman, and M. Shilo.** 1983. Classification and nomenclature of viruses of cyanobacteria. *Intervirology* **19**:61-66.
90. **Safferman, R. S., and M. E. Morris.** 1963. Algal virus: isolation. *Science* **140**:679-680.
91. **Safferman, R. S., I. R. Schneider, R. L. Steere, M. E. Morris, and T. O. Diener.** 1969. Phycovirus SM-1: A virus infecting unicellular blue-green algae. *Virology* **37**:386-395.
92. **Samimi, B., and G. Drews.** 1978. Adsorption of cyanophage AS-1 to unicellular cyanobacteria and isolation of receptor material from *Anacystis nidulans*. *J. Virol.* **25**:164-174.
93. **Samuel, A. D. T., J. D. Petersen, and T. S. Reese.** 2001. Envelope structure of *Synechococcus* sp. WH8113, a non-flagellated swimming cyanobacterium. *BMC Microbiol* **1**. [Online]. <http://www.biomedcentral.com/1471-2180/1/4>
94. **Samuilov, V. D., G. Renger, V. Z. Paschenko, A. V. Oleskin, M. V. Gusev, O. N. Gubanova, S. S. Vasilev, and E. L. Barsky.** 1995. Inhibition of photosynthetic oxygen evolution by protonophoric uncouplers. *Photosynth. Res.* **46**:455-465.
95. **Schmitz, O., N. F. Tsinoremas, M. R. Schaefer, S. Anandan, and S. S. Golden.** 1999. General effect of photosynthetic electron transport inhibitors on translation precludes their use for investigating regulation of D1 biosynthesis in *Synechococcus* sp strain PCC 7942. *Photosynth. Res.* **62**:261-271.

96. **Sherman, L. A.** 1976. Infection of *Synechococcus cedrorum* by the cyanophage AS-1M. III. Cellular metabolism and phage development. *Virology* **71**:199-206.
97. **Sherman, L. A., and R. M. J. Brown.** 1978. Cyanophages and viruses of eukaryotic algae, p. 145-234. *In* H. Fraenkel-Conrat and R. R. Wagner (ed.), *Comprehensive Virology*, vol. 12. Plenum Press, New York.
98. **Sherman, L. A., and M. Connelly.** 1976. Isolation and characterization of a cyanophage infecting the unicellular blue-green algae *A. nidulans* and *S. cedrorum*. *Virology* **71**:540-554.
99. **Sherman, L. A., and R. Haselkorn.** 1971. Growth of the blue-green algae virus LPP-1 under conditions which impair photosynthesis. *Virology* **45**:739-746.
100. **Simon, L. D.** 1969. The infection of *Escherichia coli* by T2 and T4 bacteriophages as seen in the electron microscope III. Membrane-associated intracellular bacteriophages. *Virology* **38**:285-298.
101. **Singh, P. K.** 1975. Photoreactivation of UV-irradiated blue-green algae and algal virus LPP-1. *Arch. Microbiol.* **103**:297-302.
102. **Singh, S., A. Bhatnagar, and A. K. Kashyap.** 1994. Energetics of cyanophage N-1 multiplication in the diazotrophic cyanobacterium *Nostoc muscorum*. *Microbios* **78**:259-265.
103. **Sippola, K., and E. M. Aro.** 2000. Expression of *psbA* genes is regulated at multiple levels in the cyanobacterium *Synechococcus* sp. PCC 7942. *Photochem. Photobiol.* **71**:706-714.

104. **Smarda, J., D. Smajs, J. Komrska, and V. Krzyzanek.** 2002. S-layers on cell walls of cyanobacteria. *Micron* **33**:257-277.
105. **Smith, K. M., R. M. J. Brown, and P. L. Walne.** 1966. Electron microscopy of the infection process of the blue-green alga virus. *Virology* **30**:182-192.
106. **Sode, K., R. Oonari, and M. Oozeki.** 1997. Induction of a temperate marine cyanophage by heavy metal. *J. Mar. Biotechnol.* **5**:178-180.
107. **Sode, K., M. Oozeki, K. Asakawa, J. G. Burgess, and T. Matsunaga.** 1994. Isolation of a marine cyanophage infecting the marine unicellular cyanobacterium, *Synechococcus* sp. NKBG 0429002. *J. Mar. Biotechnol.* **1**:189-192.
108. **Stanier, R. Y., W. R. Sistrom, T. A. Hansen, B. A. Whitton, R. W. Castenholz, N. Pfennig, V. N. Gorlenko, E. N. Kondratieva, K. E. Eimhjellen, R. Whittenbury, R. L. Gherna, and H. G. Trüper.** 1978. Proposal to place the nomenclature of the cyanobacteria (blue-green algae) under the rules of the International Code of Nomenclature of Bacteria. *Int. J. Syst. Bacteriol.* **28**:335-336.
109. **Sullivan, M. B., J. B. Waterbury, and S. W. Chisholm.** 2003. Cyanophages infecting the oceanic cyanobacterium *Prochlorococcus*. *Nature* **424**:1047-1051.
110. **Suttle, C. A.** 2000. Cyanophages and their role in the ecology of cyanobacteria, p. 563-589. *In* B. A. Whitton and M. Potts (ed.), *The ecology of cyanobacteria*. Kluwer Academic Publishers, Dordrecht.

111. **Suttle, C. A., and A. M. Chan.** 1994. Dynamics and distribution of cyanophages and their effect on marine *Synechococcus* spp. *Appl. Environ. Microbiol.* **60**:3167-3174.
112. **Suttle, C. A., and A. M. Chan.** 1993. Marine cyanophages infecting oceanic and coastal strains of *Synechococcus* - Abundance, morphology, cross-infectivity and growth-characteristics. *Mar. Ecol. Prog. Ser.* **92**:99-109.
113. **Szekeres, M., A. E. Szmidt, and I. Torok.** 1983. Evidence for a restriction/modification-like system in *Anacystis nidulans* infected by cyanophage AS-1. *Eur. J. Biochem.* **131**:137-141.
114. **Teklemariam, T. A., S. Demeter, Z. Deak, G. Suranyi, and G. Borbely.** 1990. AS-1 cyanophage infection inhibits the photosynthetic electron flow of photosystem II in *Synechococcus* sp. PCC 6301, a cyanobacterium. *FEBS Lett.* **270**:211-215.
115. **Udvardy, J., B. Sivok, G. Borbely, and G. L. Farkas.** 1976. Formation in the dark, of virus-induced deoxyribonuclease activity in *Anacystis nidulans*, an obligate photoautotroph. *J. Bacteriol.* **126**:630-633.
116. **Urbach, E., D. L. Robertson, and S. W. Chisholm.** 1992. Multiple evolutionary origins of prochlorophytes within the cyanobacterial radiation. *Nature* **355**:267-270.
117. **van Hannen, E. J., G. Zwart, M. P. van Agterveld, H. J. Gons, J. Ebert, and H. J. Laanbroek.** 1999. Changes in bacterial and eukaryotic community structure



- after mass lysis of filamentous cyanobacteria associated with viruses. *Appl. Environ. Microbiol.* **65**:795-801.
118. **Veldhuis, M. J. W., G. W. Kraay, J. D. L. VanBleijswijk, and M. A. Baars.** 1997. Seasonal and spatial variability in phytoplankton biomass, productivity and growth in the northwestern Indian Ocean: The southwest and northeast monsoon, 1992-1993. *Deep Sea Res. A* **44**:425-449.
119. **Waterbury, J. B.** 1999. The Cyanobacteria - Isolation, Purification, and Identification. *In* M. Dworkin (ed.), *The Prokaryotes: An Evolving Electronic Resource for the Microbiological Community*, vol. 3rd edition, release 3. Springer-Verlag, New York.
120. **Waterbury, J. B., and R. Rippka.** 1989. Subsection I. Order Chroococcales Wettstein 1924, Emend. Rippka et al., 1979,. *In* J. T. Staley, M. P. Bryant, N. Pfennig, and J. G. Holt (ed.), *Bergey's manual of systematic bacteriology*, vol. 3. Williams and Wilkins, Baltimore, Md.
121. **Waterbury, J. B., and F. W. Valois.** 1993. Resistance to cooccurring phages enables marine *Synechococcus* communities to coexist with cyanophages abundant in seawater. *Appl. Environ. Microbiol.* **59**:3393-3399.
122. **Weinbauer, M. G., S. W. Wilhelm, C. A. Suttle, R. J. Pledger, and D. L. Mitchell.** 1999. Sunlight-induced DNA damage and resistance in natural viral communities. *Aquat. Microb. Ecol.* **17**:111-120.

123. **Westphal, S., L. Heins, J. Soll, and U. C. Vothknecht.** 2001. Vipp1 deletion mutant of *Synechocystis*: A connection between bacterial phage shock and thylakoid biogenesis? Proc. Natl. Acad. Sci. USA **98**:4243-4248.
124. **Whitton, B. A., and M. Potts.** 2000. Introduction to the cyanobacteria, p. 1-11. In B. A. Whitton and M. Potts (ed.), The ecology of cyanobacteria. Kluwer Academic Publishers, Dordrecht.
125. **Wilmotte, A.** 1994. Molecular evolution and taxonomy of the cyanobacteria, p. 1-25. In D. A. Bryant (ed.), The molecular biology of cyanobacteria. Kluwer Academic Publishers, Dordrecht.
126. **Wilson, W. H., N. G. Carr, and N. H. Mann.** 1996. The effect of phosphate status on the kinetics of cyanophage infection in the oceanic cyanobacterium *Synechococcus* sp WH7803. J. Phycol. **32**:506-516.
127. **Wilson, W. H., N. J. Fuller, I. R. Joint, and N. H. Mann.** 1999. Analysis of cyanophage diversity and population structure in a south-north transect of the Atlantic ocean. Bulletin de l'Institut océanographique, Monaco **19**:209-216.
128. **Wilson, W. H., I. R. Joint, N. G. Carr, and N. H. Mann.** 1993. Isolation and molecular characterization of 5 marine cyanophages propagated on *Synechococcus* sp strain WH7803. Appl. Environ. Microbiol. **59**:3736-3743.
129. **Xu, X., I. Khudyakov, and C. P. Wolk.** 1997. Lipopolysaccharide dependence of cyanophage sensitivity and aerobic nitrogen fixation in *Anabaena* sp. strain PCC 7120. J. Bacteriol. **179**:2884-2891.

130. **Zhong, Y., F. Chen, S. W. Wilhelm, L. Poorvin, and R. E. Hodson.** 2002.

Phylogenetic diversity of marine cyanophage isolates and natural virus communities as revealed by sequences of viral capsid assembly protein gene g20. *Appl. Environ. Microbiol.* **68**:1576-1584.