

References

1. **Ackermann, H. W.** 2001. Frequency of morphological phage descriptions in the year 2000. Brief review. *Arch Virol* **146**:843-57.
2. **Anne, J., P. Fiten, L. Van Mellaert, B. Joris, G. Opdenakker, and H. Eyssen.** 1995. Analysis of the open reading frames of the main capsid proteins of actinophage VWB. *Arch Virol* **140**:1033-47.
3. **Anne, J., P. Verheyen, G. Volckaert, and H. Eyssen.** 1985. A restriction endonuclease map of *Streptomyces* phage VWB. *Mol Gen Genet* **200**:506-7.
4. **Bedford, D. J., C. Laity, and M. J. Buttner.** 1995. Two genes involved in the phase-variable phi C31 resistance mechanism of *Streptomyces coelicolor* A3(2). *J Bacteriol* **177**:4681-9.
5. **Bentley, S. D., K. F. Chater, A. M. Cerdeno-Tarraga, G. L. Challis, N. R. Thomson, K. D. James, D. E. Harris, M. A. Quail, H. Kieser, D. Harper, A. Bateman, S. Brown, G. Chandra, C. W. Chen, M. Collins, A. Cronin, A. Fraser, A. Goble, J. Hidalgo, T. Hornsby, S. Howarth, C. H. Huang, T. Kieser, L. Larke, L. Murphy, K. Oliver, S. O'Neil, E. Rabinowitsch, M. A. Rajandream, K. Rutherford, S. Rutter, K. Seeger, D. Saunders, S. Sharp, R. Squares, S. Squares, K. Taylor, T. Warren, A. Wietzorrek, J. Woodward, B. G. Barrell, J. Parkhill, and D. A. Hopwood.** 2002. Complete genome sequence of the model actinomycete *Streptomyces coelicolor* A3(2). *Nature* **417**:141-7.
6. **Bertani, L. E., and E. W. Six.** 1988. The P2-like phages and their parasite, P4., p. 73-143. *In* R. Calendar (ed.), *The Bacteriophages*, vol. 2. Plenum Press, New York.

7. **Breitbart, M., I. Hewson, B. Felts, J. M. Mahaffy, J. Nulton, P. Salamon, and F. Rohwer.** 2003. Metagenomic analyses of an uncultured viral community from human feces. *J Bacteriol* **185**:6220-3.
8. **Breitbart, M., P. Salamon, B. Andresen, J. M. Mahaffy, A. M. Segall, D. Mead, F. Azam, and F. Rohwer.** 2002. Genomic analysis of uncultured marine viral communities. *Proc Natl Acad Sci U S A* **99**:14250-5.
9. **Brussow, H., and F. Desiere.** 2001. Comparative phage genomics and the evolution of Siphoviridae: insights from dairy phages. *Mol Microbiol* **39**:213-22.
10. **Brussow, H., and R. W. Hendrix.** 2002. Phage genomics: small is beautiful. *Cell* **108**:13-6.
11. **Brzezinski, R., E. Surmacz, M. Kutner, and A. Piekarowicz.** 1986. Restriction mapping and close relationship of the DNA of *Streptomyces erythraeus* phages 121 and SE-5. *J Gen Microbiol* **132 (Pt 10)**:2937-43.
12. **Burke, J., D. Schneider, and J. Westpheling.** 2001. Generalized transduction in *Streptomyces coelicolor*. *Proc Natl Acad Sci U S A* **98**:6289-94.
13. **Burroughs, N. J., P. Marsh, and E. M. Wellington.** 2000. Mathematical analysis of growth and interaction dynamics of streptomycetes and a bacteriophage in soil. *Appl Environ Microbiol* **66**:3868-77.
14. **Campbell, A.** 1988. Phage evolution and speciation, p. 1-14. *In* R. Calendar (ed.), *The bacteriophages*, vol. 1. Plenum press, New York.
15. **Casjens, S., G. F. Hatfull, and R. W. Hendrix.** 1992. Evolution of dsDNA tailed-bacteriophage genomes. *Seminars in Virology* **3**:383-397.
16. **Chater, K. F.** 2001. Regulation of sporulation in *Streptomyces coelicolor* A3(2): a checkpoint multiplex? *Curr Opin Microbiol* **4**:667-73.

17. **Chater, K. F.** 1986. *Streptomyces* phages and their applications to *Streptomyces* genetics., p. 119-157. In S. W. a. D. Queener, L.E. (ed.), *The Bacteria. A treatise on structure and function.*, vol. 9. Antibiotic producing *Streptomyces*. Academic Press, Inc., Orlando, Florida.
18. **Chater, K. F., C. J. Bruton, A. A. King, and J. E. Suarez.** 1982. The expression of *Streptomyces* and *Escherichia coli* drug-resistance determinants cloned into the *Streptomyces* phage ϕ C31. *Gene* **19**:21-32.
19. **Chater, K. F., C. J. Bruton, and J. E. Suarez.** 1981. Restriction mapping of the DNA of the *Streptomyces temperate* phage ϕ C31 and its derivatives. *Gene* **14**:183-94.
20. **Chater, K. F., and A. T. Carter.** 1979. A new, wide host-range, temperate bacteriophage (R4) of *Streptomyces* and its interaction with some restriction-modification systems. *Journal of General Microbiology* **115**:431-442.
21. **Chinenova, T. A., N. M. Mkrtumian, and N. D. Lomovskaia.** 1982. [Genetic characteristics of a new phage resistance trait in *Streptomyces coelicolor* A3(2)]. *Genetika* **18**:1945-52.
22. **Chung, S. T.** 1982. Isolation and characterization of *Streptomyces fradiae* plasmids which are prophage of the actinophage ϕ SF1. *Gene* **17**:239-46.
23. **Clayton, T. M., and M. J. Bibb.** 1990. Induction of a phi C31 prophage inhibits rRNA transcription in *Streptomyces coelicolor* A3(2). *Molecular Microbiology* **4**:2179-85.
24. **Combes, P., R. Till, S. Bee, and M. C. M. Smith.** 2002. The *Streptomyces* genome contains multiple pseudo-*attB* sites for the ϕ C31-encoded site-specific recombination system. *J Bacteriol* **184**:5746-52.
25. **Conway, J. F., W. R. Wikoff, N. Cheng, R. L. Duda, R. W. Hendrix, J. E. Johnson, and A. C. Steven.** 2001. Virus maturation involving large subunit rotations and local refolding. *Science* **292**:744-8.

26. **Cowlshaw, D. A., and M. C. M. Smith.** 2002. A gene encoding a homologue of dolichol phosphate- β -D mannose synthase is required for infection of *Streptomyces coelicolor* A3(2) by phage ϕ C31. J Bacteriol **184**:6081-6083.
27. **Cowlshaw, D. A., and M. C. M. Smith.** 2001. Glycosylation of a *Streptomyces coelicolor* A3(2) cell envelope protein is required for infection by bacteriophage ϕ C31. Mol Microbiol **41**:601-10.
28. **Cox, K. L., and R. H. Baltz.** 1984. Restriction of bacteriophage plaque formation in *Streptomyces* spp. J Bacteriol **159**:499-504.
29. **Cresswell, N., P. R. Herron, V. A. Saunders, and E. M. Wellington.** 1992. The fate of introduced streptomycetes, plasmid and phage populations in a dynamic soil system. J. Gen. Microbiol. **138**:659-666.
30. **Desiere, F., C. Mahanivong, A. J. Hillier, P. S. Chandry, B. E. Davidson, and H. Brussow.** 2001. Comparative genomics of lactococcal phages: insight from the complete genome sequence of *Lactococcus lactis* phage BK5-T. Virology **283**:240-52.
31. **Diaz, L. A., C. Hardisson, and M. R. Rodicio.** 1991. Characterization of the temperate actinophage phi A7 DNA and its deletion derivatives. J Gen Microbiol **137 (Pt 2)**:293-8.
32. **Diaz, L. A., C. Hardisson, and M. R. Rodicio.** 1989. Isolation and characterization of actinophages infecting *Streptomyces* species and their interaction with host restriction-modification systems. J. Gen. Microbiol. **135**:1847-1856.
33. **Foor, F., and N. Morin.** 1990. Construction of a shuttle vector consisting of the *Escherichia coli* plasmid pACYC177 inserted into the *Streptomyces cattleya* phage TG1. Gene **94**:109-13.
34. **Foor, F., G. P. Roberts, N. Morin, L. Snyder, M. Hwang, P. H. Gibbons, M. J. Paradiso, R. L. Stotish, C. L. Ruby, B. Wolanski, and et al.** 1985. Isolation and characterization of the *Streptomyces cattleya* temperate phage TG1. Gene **39**:11-6.

35. **Ford, M. E., G. J. Sarkis, A. E. Belanger, R. W. Hendrix, and G. F. Hatfull.** 1998. Genome structure of mycobacteriophage D29: implications for phage evolution. *J Mol Biol* **279**:143-64.
36. **Gabriel, K., H. Schmid, U. Schmidt, and H. Rausch.** 1995. The actinophage RP3 DNA integrates site-specifically into the putative tRNA(Arg)(AGG) gene of *Streptomyces rimosus*. *Nucleic Acids Res* **23**:58-63.
37. **Gaudreau, L. R., and C. V. Dery.** 1993. A cloned replicon of *Saccharopolyspora* phages JHJ-1 and JHJ-3 is stably maintained as a plasmid in various actinomycetes. *Gene* **126**:141-6.
38. **Gaudreau, L. R., J. M. Lavoie, and C. V. Dery.** 1991. Biological characterization of induced phages from *Saccharopolyspora hirsuta* 367 and comparison with phage JHJ-1. *J Gen Microbiol* **137 (Pt 10)**:2347-52.
39. **Gregory, M. A.** 2000. Characterisation and evolution of homoimmune *Streptomyces* phages. University of Nottingham, Nottingham.
40. **Gregory, M. A., R. Till, and M. C. M. Smith.** 2003. Integration site for *Streptomyces* phage ϕ BT1 and the development of novel site-specific integrating vectors. *Journal of Bacteriology* **185**:5320-5323.
41. **Hahn, D. R., M. A. McHenney, and R. H. Baltz.** 1990. Characterization of FP22, a large streptomycete bacteriophage with DNA insensitive to cleavage by many restriction enzymes. *J Gen Microbiol* **136 (Pt 12)**:2395-404.
42. **Haket, J., Jr., D. Desmarais, K. Mehindate, and C. V. Dery.** 1990. *Saccharopolyspora hirsuta* strain 367 releases JHJ-1, a bacteriophage capable of propagation on old mycelium. *J Gen Microbiol* **136 (Pt 3)**:573-9.
43. **Harris, J. E., K. F. Chater, C. J. Bruton, and J. M. Piret.** 1983. The restriction mapping of *c* gene deletions in *Streptomyces* bacteriophage ϕ C31 and their use in cloning vector development. *Gene* **22**:167-74.

44. **Hartley, N. M., G. O. Murphy, C. J. Bruton, and K. F. Chater.** 1994. Sequence of the essential early region of ϕ C31, a temperate phage of *Streptomyces* spp. with unusual features in its lytic development. *Gene* **147**:29-40.
45. **Hendrix, R. W., M. C. M. Smith, R. N. Burns, M. E. Ford, and G. F. Hatfull.** 1999. Evolutionary relationships among diverse bacteriophages and prophages: All the world's a phage. *Proc. Natl. Acad. Sci. USA* **96**:2192-7.
46. **Herron, P. R., and E. M. Wellington.** 1994. population dynamics of phage-host interactions and phage conversion of streptomycetes in soil. *FEMS Microbiol Ecol* **14**:25-32.
47. **Hesketh, A. R., G. Chandra, A. D. Shaw, J. J. Rowland, D. B. Kell, M. J. Bibb, and K. F. Chater.** 2002. Primary and secondary metabolism, and post-translational protein modifications, as portrayed by proteomic analysis of *Streptomyces coelicolor*. *Mol Microbiol* **46**:917-32.
48. **Howe, C. W., and M. C. M. Smith.** 1996. Characterization of a late promoter from the *Streptomyces* temperate phage ϕ C31. *Journal of Bacteriology* **178**:2127-30.
49. **Howe, C. W., and M. C. M. Smith.** 1996. Gene expression in the *cos* region of the *Streptomyces* temperate actinophage ϕ C31. *Microbiology* **142**:1357-1367.
50. **Hutchinson, C. R.** 1998. Combinatorial biosynthesis for new drug discovery. *Curr Opin Microbiol* **1**:319-29.
51. **Ingham, C. J., H. J. Crombie, C. J. Bruton, K. F. Chater, N. M. Hartley, G. J. P. Murphy, and M. C. M. Smith.** 1993. Multiple novel promoters from the early region in the *Streptomyces* temperate phage ϕ C31 are activated during lytic development. *Molecular Microbiology* **9**:1267-1274.
52. **Ingham, C. J., C. E. Owen, S. E. Wilson, I. S. Hunter, and M. C. M. Smith.** 1994. An operator associated with autoregulation of the repressor gene in actinophage ϕ C31 is found in highly conserved regions in the phage genome. *Nucleic Acids Res.* **22**:821-827.

53. **Ingham, C. J., and M. C. M. Smith.** 1992. Transcription map of the early region of the *Streptomyces* bacteriophage ϕ C31. *Gene* **122**:77-84.
54. **Juhala, R. J., M. E. Ford, R. L. Duda, A. Youlton, G. F. Hatfull, and R. W. Hendrix.** 2000. Genomic sequences of bacteriophages HK97 and HK022: pervasive genetic mosaicism in the lambdoid bacteriophages. *J Mol Biol* **299**:27-51.
55. **Katz, L., S. J. Chiang, J. S. Tuan, and L. B. Zablen.** 1988. Characterization of bacteriophage ϕ C69 of *Saccharopolyspora erythraea* and demonstration of heterologous actinophage propagation by transfection of *Streptomyces* and *Saccharopolyspora*. *J Gen Microbiol* **134 (Pt 7)**:1765-71.
56. **Khosla, C., and R. J. Zawada.** 1996. Generation of polyketide libraries via combinatorial biosynthesis. *Trends Biotechnol* **14**:335-41.
57. **Kieser, T., M. J. Bibb, M. J. Buttner, K. F. Chater, and D. A. Hopwood.** 2000. *Practical Streptomyces Genetics*. The John Innes Foundation, Norwich.
58. **Kinner, E., D. Pocta, S. Stroer, and H. Schmieger.** 1994. Sequence analysis of cohesive ends of the actinophage RP3 genome and construction of a transducible shuttle vector. *FEMS Microbiology Letts* **118**:283-290.
59. **Klaus, S., H. Krugel, F. Suss, M. Neigenfind, I. Zimmermann, and U. Taubeneck.** 1981. Properties of the temperate actinophage SH10. *J. Gen. Microbiol.* **123**:269-279.
60. **Klaus, S., H. Triebel, M. Hartmann, A. Walter, F. Walter, P. Zopel, and Bar.** 1979. Molecular characterization of the genomes of actinophages SH3, SH10, SH11, and SH12 infecting *Streptomyces hygroscopicus*. *Mol Gen Genet* **172**:319-27.
61. **Kuhstoss, S., and R. N. Rao.** 1991. Analysis of the integration function of the streptomycete bacteriophage ϕ C31. *J. Mol. Biol.* **222**:897-908.

62. **Laity, C., K. F. Chater, C. G. Lewis, and M. J. Buttner.** 1993. Genetic analysis of the ϕ C31-specific phage growth limitation (Pgl) system of *Streptomyces coelicolor* A3(2). *Molecular Microbiology* **7**:329-336.
63. **Lomovskaya, N., N. M. Mkrtumian, and N. L. Gostimskaya.** 1970. Isolation and characterisation of *Streptomyces coelicolor* actinophage. *Genetika* **6**:135-137.
64. **Lomovskaya, N., I. Sladkova, O. Klochkova, A. V. Orekhov, T. A. Chinenova, and N. M. Mkrtumian.** 1983. Genetic approaches to the development of phage cloning vectors in *Streptomyces.*, p. 66-70, *Genetics of Industrial Microorganisms*. Kodansha Ltd, Tokyo.
65. **Lomovskaya, N. D., K. F. Chater, and N. M. Mkrtumian.** 1980. Genetics and molecular biology of *Streptomyces* bacteriophages. *Microbiological Reviews* **44**:206-29.
66. **MacNeil, D. J.** 1988. Characterization of a unique methyl-specific restriction system in *Streptomyces avermitilis*. *J Bacteriol* **170**:5607-12.
67. **Marsh, P., I. K. Toth, M. B. Meijer, M. B. Schilhabel, and E. M. Wellington.** 1993. Survival of the temperate actinophage ϕ C31 and *Streptomyces lividans* in soil and the effects of competition and selection on lysogens. *FEMS Microbiol Ecol* **13**:13-22.
68. **Matsuura, M., T. Noguchi, D. Yamaguchi, T. Aida, M. Asayama, H. Takahashi, and M. Shirai.** 1996. The *sre* gene (ORF469) encodes a site-specific recombinase responsible for integration of the R4 phage genome. *J. Bacteriol.* **178**:3374-6.
69. **McHenney, M. A., and R. H. Baltz.** 1988. Transduction of plasmid DNA in *Streptomyces* spp. and related genera by bacteriophage FP43. *J Bacteriol* **170**:2276-82.
70. **Morgan, G. J., G. F. Hatfull, S. Casjens, and R. W. Hendrix.** 2002. Bacteriophage Mu genome sequence: analysis and comparisons with Mu -like prophages from *Haemophilus*, *Neisseria* and *Deinococcus*. In press.

71. **Morino, T., and H. Takahashi.** 1996. Transduction of a cosmid with the R4 phage *cos* sequence by heterogeneous actinophages, SPA10 and SPA38. *Biosci.Biotech.Biochem* **60**:2076-2077.
72. **Ogata, S., H. Suenaga, and S. Hayashida.** 1985. A temperate phage of *Streptomyces azureus*. *Appl Environ Microbiol* **49**:201-4.
73. **Pedulla, M. L., M. E. Ford, J. M. Houtz, T. Karthikeyan, C. Wadsworth, J. A. Lewis, D. Jacobs-Sera, J. Falbo, J. Gross, N. R. Pannunzio, W. Brucker, V. Kumar, J. Kandasamy, L. Keenan, S. Bardarov, J. Kriakov, J. G. Lawrence, W. R. Jacobs, Jr., R. W. Hendrix, and G. F. Hatfull.** 2003. Origins of highly mosaic mycobacteriophage genomes. *Cell* **113**:171-82.
74. **Rausch, H., M. Vesligaj, D. Pocta, G. Biukovic, J. Pigac, J. Cullum, H. Schmieger, and D. Hranueli.** 1993. The temperate phages RP2 and RP3 of *Streptomyces rimosus*. *J Gen Microbiol* **139 (Pt 10)**:2517-24.
75. **Ravin, V., N. Ravin, S. Casjens, M. E. Ford, G. F. Hatfull, and R. W. Hendrix.** 2000. Genomic sequence and analysis of the atypical temperate bacteriophage N15. *J Mol Biol* **299**:53-73.
76. **Rodriguez, A., J. L. Caso, C. Hardisson, and J. E. Suarez.** 1986. Characteristics of the developmental cycle of actinophage ϕ C31. *J Gen Microbiol* **132 (Pt 6)**:1695-701.
77. **Rodriguez, E., and R. McDaniel.** 2001. Combinatorial biosynthesis of antimicrobials and other natural products. *Curr Opin Microbiol* **4**:526-34.
78. **Schneider, J.** 1989. Distribution of modules among the central regions of the genomes of several actinophages of *Faenia* and *Saccharopolyspora*. *J. Gen. Microbiol.* **135**:1671-1678.
79. **Schneider, J., I. Aguilera Garcia, and H. J. Kutzner.** 1987. Characterization of a family of temperate actinophages of *Faenia reactivirgula*. *J. Gen. Microbiol.* **133**:2263-2268.

80. **Schneider, J., F. Korn-Wendisch, and H. J. Kutzner.** 1990. Phi SC623, a temperate actinophage of *Streptomyces coelicolor* Muller, and its relatives ϕ SC347 and ϕ SC681. *J Gen Microbiol* **136 (Pt 4)**:767-72.
81. **Sharp, P. M.** 1986. Molecular evolution of bacteriophages: evidence of selection against the recognition sites of host restriction enzymes. *Mol Biol Evol* **3**:75-83.
82. **Shirai, M., H. Nara, A. Sato, T. Aida, and H. Takahashi.** 1991. Site-specific integration of the actinophage R4 genome into the chromosome of *Streptomyces parvulus* upon lysogenization. *Journal of Bacteriology* **173**:4237-9.
83. **Sinclair, R. B., and M. J. Bibb.** 1988. The repressor gene (*c*) of the *Streptomyces* temperate phage ϕ C31: nucleotide sequence, analysis and functional cloning. *Mol Gen Genet* **213**:269-77.
84. **Sinclair, R. B., and M. J. Bibb.** 1989. Transcriptional analysis of the repressor gene of the temperate *Streptomyces* phage ϕ C31. *Gene* **85**:275-82.
85. **Sladkova, I., L. G. Vasil'chenko, N. D. Lomovskaya, and N. M. Mkrtumian.** 1980. Physical mapping of the DNA of Actinophages of *Streptomyces coelicolor* A3(2). Localisation of the *c*-region of actinophage ϕ C31. *Molecular Biology* **14**:910-915.
86. **Sladkova, I. A., T. A. Chinenova, L. B. Pel'ts, B. A. Rebentish, and N. D. Lomovskaia.** 1981. [Physical mapping of *Streptomyces coelicolor* A3(2). V. Structural modifications of actinophage ϕ C43 DNA molecules]. *Mol Biol (Mosk)* **15**:1051-8.
87. **Sladkova, I. A., O. A. Klochkova, T. A. Chinenova, and N. D. Lomovskaia.** 1984. [Physical mapping of *Streptomyces coelicolor* A3(2) actinophages. VII. Formation of deletions in the region of ϕ C43 insertion sequence]. *Mol Biol (Mosk)* **18**:497-503.
88. **Sladkova, I. A., O. A. Klochkova, and N. D. Lomovskaia.** 1982. [Physical mapping of actinophage *Streptomyces coelicolor* A3(2). VI. The use of deletion mutants of actinophage ϕ C31 for construction of phage vectors]. *Mol Biol (Mosk)* **16**:739-44.

89. **Smith, M. C., N. Burns, J. R. Sayers, J. A. Sorrell, S. R. Casjens, and R. W. Hendrix.** 1998. Bacteriophage collagen. *Science* **279**:1834.
90. **Smith, M. C. M., C. J. Ingham, C. E. Owen, and N. T. Wood.** 1992. Gene expression in the *Streptomyces* temperate phage ϕ C31. *Gene* **115**:43-8.
91. **Smith, M. C. M., and C. E. Owen.** 1991. Three in-frame N-terminally different proteins are produced from the repressor locus of the *Streptomyces* bacteriophage ϕ C31. *Molecular Microbiology* **5**:2833-44.
92. **Smith, M. C. M., R. N. Burns, S. E. Wilson, and M. A. Gregory.** 1999. The complete genome sequence of the *Streptomyces* temperate phage ϕ C31: evolutionary relationships to other viruses. *Nucleic Acids Research* **27**:2145-2155.
93. **Smorawska, M., F. Denis, C. V. Dery, P. Magny, and R. Brzezinski.** 1988. Characterization of SE-3, a virulent bacteriophage of *Saccharopolyspora erythraea*. *J Gen Microbiol* **134 (Pt 7)**:1773-8.
94. **Stuttard, C.** 1979. Transduction of auxotrophic markers in a chloramphenicol-producing strain of *Streptomyces*. *J Gen Microbiol* **110**:479-82.
95. **Suarez, J. E., J. L. Caso, A. Rodriguez, and C. Hardisson.** 1984. Structural characteristics of the *Streptomyces* bacteriophage ϕ C31. *FEMS Microbiology Letts* **22**:113-117.
96. **Suarez, J. E., T. M. Clayton, A. Rodriguez, M. J. Bibb, and K. F. Chater.** 1992. Global transcription pattern of ϕ C31 after induction of a *Streptomyces coelicolor* lysogen at different growth stages. *Journal of General Microbiology* **138**:2145-57.
97. **Sumby, P., and M. C. M. Smith.** 2002. Genetics of the phage growth limitation (Pgl) system of *Streptomyces coelicolor* A3(2). *Mol Microbiol* **44**:489-500.
98. **Sumby, P., and M. C. M. Smith.** 2003. Phase variation in the phage growth limitation system of *Streptomyces coelicolor* A3(2). *Journal of Bacteriology* **185**:4558-4563.

99. **Susskind, M. M., and D. Botstein.** 1978. Molecular genetics of bacteriophage P22. *Microbiol Rev* **42**:385-413.
100. **Van Mellaert, L., L. Mei, E. Lammertyn, S. Schacht, and J. Anne.** 1998. Site-specific integration of bacteriophage VWB genome into *Streptomyces venezuelae* and construction of a VWB-based integrative vector. *Microbiology* **144 (Pt 12)**:3351-8.
101. **Vats, S., C. Stuttard, and L. C. Vining.** 1987. Transductional analysis of chloramphenicol biosynthesis genes in *Streptomyces venezuelae*. *J Bacteriol* **169**:3809-13.
102. **Walter, F., M. Hartmann, and S. Klaus.** 1981. Restriction endonuclease analysis of DNA from the *Streptomyces* phages SH3, SH5, SH10 and SH13. *Gene* **13**:57-63.
103. **Wellington, E. M. H., and I. K. Toth.** 1994. Actinomycetes, Methods of soil analysis, part2. Microbiological and biochemical properties., vol. 5. Soil Science Society of America., Madison, WI 53711, USA.
104. **Wikoff, W. R., L. Liljas, R. L. Duda, H. Tsuruta, R. W. Hendrix, and J. E. Johnson.** 2000. Topologically linked protein rings in the bacteriophage HK97 capsid. *Science* **289**:2129-33.
105. **Wilson, S. E., C. J. Ingham, I. S. Hunter, and M. C. M. Smith.** 1995. Control of lytic development in the *Streptomyces* temperate phage ϕ C31. *Molecular Microbiology* **16**:131-143.
106. **Wilson, S. E., and M. C. M. Smith.** 1998. Oligomeric properties and DNA binding specificities of repressor isoforms from the *Streptomyces* bacteriophage ϕ C31. *Nucleic Acids Research* **26**:2457-63.
107. **Zhou, X., Z. Deng, D. A. Hopwood, and T. Kieser.** 1994. Characterization of ϕ Hau3, a broad-host-range temperate *Streptomyces* phage, and development of phasmids. *J Bacteriol* **176**:2096-9.

108. **Zhou, X., Z. Deng, D. A. Hopwood, and T. Kieser.** 1994. *Streptomyces lividans* 66 contains a gene for phage resistance which is similar to the phage lambda ea59 endonuclease gene. *Mol Microbiol* **12**:789-97.
109. **Ziegelin, G., E. Scherzinger, R. Lurz, and E. Lanka.** 1993. Phage P4 alpha protein is multifunctional with origin recognition, helicase and primase activities. *EMBO J* **12**:3703-8.