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(21) International Application Number: PCT/US00/07771 (22) International Filing Date: 23 March 2000 (23.03.00) (30) Priority Data: 60/126,391 26 March 1999 (26.03.99) US 09/318,050 25 May 1999 (25.05.99) US (71) Applicant: THE UNIVERSITY OF GEORGIA RESEARCH FOUNDATION, INC. [US/US]; 632 Boyd Graduate Studies Research Center, Athens, GA 30602-7411 (US). (72) Inventors: WESTPHELING, Janet; 190 Hanover Drive, Bogart, GA 30602 (US). BURKE, Julie, A.; 130 Saint Andrews Court, Athens, GA 30605 (US). (74) Agent: MUETING, Ann, M.; Mueeting, Raasch & Gebhardt, P.A., P.O. Box 581415, Minneapolis, MN 55458-1415 (US).		(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). Published <i>Without international search report and to be republished upon receipt of that report.</i>
(54) Title: TRANSDUCING PHAGES (57) Abstract The present invention is directed to isolated transducing phages, methods of isolating transducing phages, and methods of using transducing phages including, for instance, transferring at least one nucleic acid fragment from a donor microbe to a recipient microbe, and producing a secondary metabolite from a microbe. The transducing phages typically have a broad host range, and transduce microbes in the Order <i>Actinomycetales</i>, in particular in the Family <i>Streptomycetaceae</i>, including <i>Sireptomyces coelicolor</i>, <i>Streptomyces lividans</i>, <i>Streptomyces venezuelae</i>, <i>Streptomyces avermitilis</i>, and <i>Saccharopolyspora erythraea</i>. The transducing phages can be specialized transducing phages or generalized transducing phages.		