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<p>(21) International Application Number: PCT/EP98/02465 (22) International Filing Date: 23 April 1998 (23.04.98) (30) Priority Data: 1005884 23 April 1997 (23.04.97) NL (71) Applicant (for all designated States except US): VLAAMS INTERUNIVERSITAIR INSTITUUT VOOR BIOTECHNOLOGIE [BE/BE]; Rijvisschestraat 118, bus 1, B-9052 Zwijnaarde (BE). (72) Inventors; and (75) Inventors/Applicants (for US only): MERTENS, Nico, Maurice, August, Corneel [BE/BE]; Pauwstraat 58, B-9120 Beveren (BE). REMAUT, Erik, Rene [BE/BE]; Bergstraat 7, B-9921 Vinderhout (BE). FIERS, Walter, Charles [BE/BE]; Beukendreef 3, B-9070 Destelbergen (BE). (74) Agent: VAN SOMEREN, Petronella, Francisca, Hendrika, Maria; Arnold & Siedsma, Sweelincplein 1, NL-2517 GK The Hague (NL).</p>	<p>(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SZ, 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, ML, MR, NE, SN, TD, TG). Published Without international search report and to be republished upon receipt of that report.</p>	

(54) Title: REGULATORY SYSTEM FOR INDUCIBLE EXPRESSION OF GENES WITH LAMBDOID PROMOTERS

(57) Abstract

The invention relates to a regulation system for inducible expression of genes, comprising a lambdoid promoter, a gene coding for a repressor for the lambdoid promoter and a gene coding for an antirepressor of the repressor, which antirepressor is under the influence of an inducible promoter. The invention further relates to a regulatory replicon, comprising said gene coding for an antirepressor, an expression system, comprising said regulatory replicon, and an expression vector based on a lambdoid promoter, and also to a method for producing a gene product in a heterologous host, by providing a culture of a host comprising a heterologous sequence which codes for the gene product, wherein the expression of the heterologous sequence is under the control of a regulation system, a gene coding for a repressor for the lambdoid promoter and a gene coding for an antirepressor, and by inducing the promoter of the antirepressor gene.

