(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
31 October 2002 (31.10.2002)

PCT

(10) International Publication Number
WO 02/086156 A3

(51) International Patent Classification[7]: C12Q 1/68, G01N 33/68, C12N 15/85, 15/63, C07K 14/56, 16/00, 16/24, A61K 38/21, A61P 9/00, 31/12, 35/00, 37/00

(21) International Application Number: PCT/EP02/05229

(22) International Filing Date: 23 April 2002 (23.04.2002)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
01/05516 24 April 2001 (24.04.2001) FR

(71) Applicant *(for all designated States except US)*: **GENODYSSEE** [FR/FR]; Parc d'Affaires Technopolis, 3, avenue du Canada, Bat. Alpha, Boîte postale 810, Les Ulis, F-91974 Courtaboeuf (FR).

(72) Inventor; and

(75) Inventor/Applicant *(for US only)*: **ESCARY, Jean-Louis** [FR/FR]; 4, rue Moxouris, F-78510 Le Chesnay (FR).

(74) Agent: **SANTARELLI**; 14, avenue de la Grande-Armée, Boîte postale 237, F-75822 Paris Cedex 17 (FR).

(81) Designated States *(national)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, 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, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW.

(84) Designated States *(regional)*: ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, 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, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:
— *with international search report*

(88) Date of publication of the international search report:
27 November 2003

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

WO 02/086156 A3

(54) Title: NEW POLYNUCLEOTIDES AND POLYPEPTIDES OF THE IFN$G(A)-17 GENE

(57) Abstract: The present invention relates to new polynucleotides derived from the nucleotide sequence of the IFNα-17 gene comprising new SNPs, and new polypeptides derived from the natural wild-type IFNα-17 protein comprising at least one mutation caused by at least one SNP of the invention as well as their therapeutic uses.