



- (51) **International Patent Classification:**
C12N 9/52 (2006.01)
- (21) **International Application Number:**
PCT/IB2018/052253
- (22) **International Filing Date:**
02 April 2018 (02.04.2018)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
- (30) **Priority Data:**
PCT/IB2017/051886
03 April 2017 (03.04.2017) IB
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(81) **Designated States** (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, JO, JP, KE, KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(84) **Designated States** (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

— of inventorship (Rule 4.17(iv))

(54) **Title:** ENGINEERED GRAM-NEGATIVE ENDOLYSINS

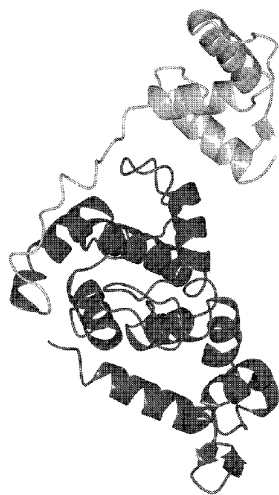


Fig. 1

(57) **Abstract:** The present invention relates in general to the field of antimicrobial enzymes. In particular, the present invention relates to a polypeptide comprising the amino acid sequence of a globular Gram-negative endolysin and the amino acid sequence of a cell wall binding domain of i) a modular Gram-negative endolysin or ii) a bacteriophage tail/baseplate protein. The present invention relates also to corresponding nucleic acids, vectors, bacteriophages, host cells, and compositions. The present inventions also relates to the use of said polypeptides, nucleic acids, vectors, bacteriophages, host cells, and compositions in methods for treatment of the human or animal body by surgery or therapy or in diagnostic methods practiced on the human or animal body. The polypeptides, nucleic acids, vectors, bacteriophages, host cells, and compositions according to the invention may also be used as an antimicrobial in, e.g., food or feed, in cosmetics, or as disinfecting agent.

Published:

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