

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
07 July 2022 (07.07.2022)



(10) International Publication Number
WO 2022/144468 A2

(51) International Patent Classification:

C12N 15/82 (2006.01) C07K 14/495 (2006.01)
C07K 14/415 (2006.01)

(21) International Application Number:

PCT/EP2022/050091

(22) International Filing Date:

04 January 2022 (04.01.2022)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

63/133,591 04 January 2021 (04.01.2021) US

(71) Applicant: TIAMAT SCIENCES [BE/BE]; Avenue Nouvelle 50 - Boite 5, 1040 Etterbeek (BE).

(72) Inventor: ADIL, France-Emmanuelle; Avenue Nouvelle 50/5, 1040 Etterbeek (BE).

(74) Agent: TLIP LTD; 14 King Street, Leeds Yorkshire LS1 2HL (GB).

(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, IT, 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, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, WS, 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).

Published:

— without international search report and to be republished upon receipt of that report (Rule 48.2(g))

(54) Title: PLANT-BASED SYNTHESIS PRODUCTS

(57) Abstract: The present disclosure provides composition, systems, devices and methods for plant-based production of non-plant proteins through the use of heterologous genes for the expression of said non-plant proteins. Non-plant proteins can include, but are not limited to, mammalian proteins, cytokines, or growth factors.

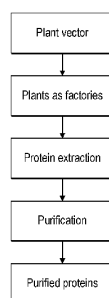


FIG. 1



WO 2022/144468 A2