

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
07 August 2025 (07.08.2025)



(10) International Publication Number
WO 2025/163086 A1

(51) International Patent Classification:

A61P 35/00 (2006.01) C12Q 1/6886 (2018.01)
C12Q 1/6806 (2018.01)

(21) International Application Number:

PCT/EP2025/052429

(22) International Filing Date:

30 January 2025 (30.01.2025)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

24155610.9 02 February 2024 (02.02.2024) EP
24207928.3 21 October 2024 (21.10.2024) EP

(71) Applicant: **WOBBLE GENOMICS LIMITED** [GB/G-B]; Suite 2, Ground Floor, Orchard Brae House, 30 Queensferry Road, Edinburgh EH4 2HS (GB).

(72) Inventor: **KUO, Richard Izen**; Wobble Genomics Limited, Suite 2, Ground Floor, Orchard Brae House, 30 Queensferry Road, Edinburgh EH4 2HS (GB).

(74) Agent: **BOULT WADE TENNANT LLP**; Salisbury Square House, 8 Salisbury Square, London EC4Y 8AP (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, CV, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IQ, IR, IS, IT, JM, JO, JP, KE, KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, MG, MK, MN, MU, 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, UY, UZ, VC, VN, WS, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available):

ARIPO (BW, CV, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SC, 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, ME, 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:

- with international search report (Art. 21(3))
- with sequence listing part of description (Rule 5.2(a))

(54) Title: METHODS OF PREPARING PROCESSED RNA SAMPLES AND THEIR USE IN PREPARING RNA VACCINES

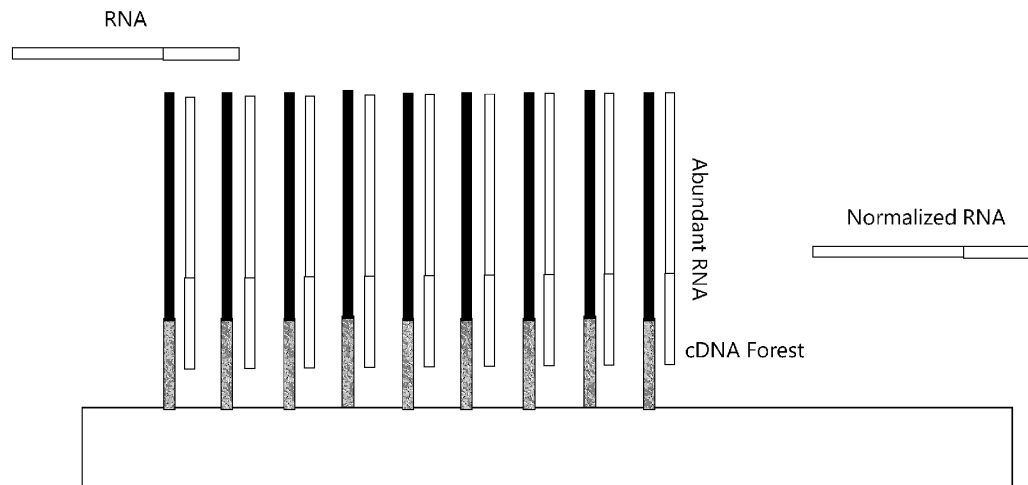


Figure 7

(57) Abstract: Methods for determining a set of RNA sequences associated with a disease and producing a database of RNA sequences associated with a disease are provided. Methods for discovering disease biomarkers and diagnosing disease are also provided. The present invention also provides methods for processing RNA and cDNA sequences and uses of these methods. Methods for producing RNA vaccines are also provided.



WO 2025/163086 A1