



- (51) **International Patent Classification:**
C12Q 1/686 (2018.01) *C12Q 1/689* (2018.01)
- (21) **International Application Number:**
PCT/SG2023/050120
- (22) **International Filing Date:**
28 February 2023 (28.02.2023)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
- (30) **Priority Data:**
10202201933W 28 February 2022 (28.02.2022) SG
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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, 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, MW, MX, MY, MZ, NA, NG,

(54) **Title: A METHOD OF PROFILING A MICROBIOTIC COMPOSITION**

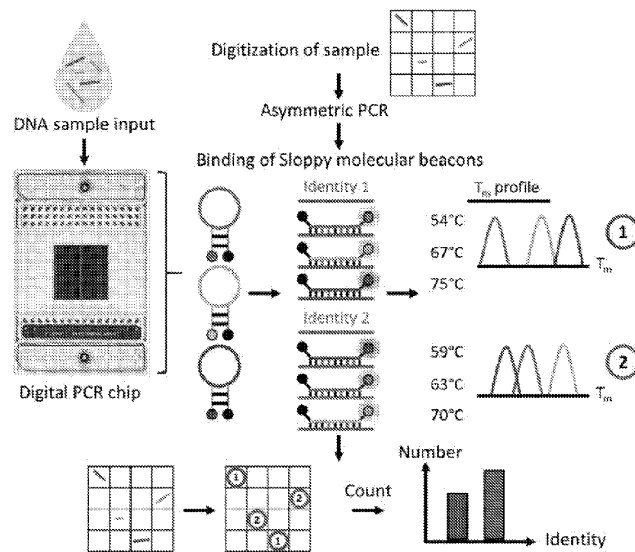


Fig. 1

(57) **Abstract:** There is provided a method of profiling a microbiotic composition of a sample comprising the nucleic acid molecules of the microbiotic composition, the method comprising a) partitioning the sample in a sufficient number of partitions such that at least a portion of the partitions comprises no more than one nucleic acid molecule of the microbiotic composition; b) contacting the partitions of the sample to a plurality of mismatch-tolerant probes that are capable of binding to the nucleic acid molecules or parts thereof under suitable conditions; c) determining signals generated by each of the plurality of mismatch-tolerant probes in each partition; and d) establishing the microbiotic composition in the sample based on the signals. Also disclosed is a method of determining a health and kits for uses in the methods as described herein.

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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, 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).

Declarations under Rule 4.17:

— *of inventorship (Rule 4.17(iv))*

Published:

— *with international search report (Art. 21(3))*
— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))*
— *with sequence listing part of description (Rule 5.2(a))*

(88) Date of publication of the international search report:

26 October 2023 (26.10.2023)