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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
25 September 2025 (25.09.2025)

WIPO | PCT

(10) International Publication Number
WO 2025/199256 A1

(51) International Patent Classification:
C12Q 1/6883 (2018.01) *G16B 25/00* (2019.01)
G01N 33/50 (2006.01) *G16B 25/10* (2019.01)

(21) International Application Number:
PCT/US2025/020594

(22) International Filing Date:
19 March 2025 (19.03.2025)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
63/567,746 20 March 2024 (20.03.2024) US

(71) Applicant: **ALKAHEST, INC.** [US/US]; 125 Shoreway Road, Suite D, San Carlos, CA 94070 (US).

(72) Inventors: **LOHR, Scott C.**; 125 Shoreway Road, Suite D, San Carlos, CA 94070 (US). **LEHALLIER, Benoit**; 125 Shoreway Road, Suite D, San Carlos, CA 94070 (US).

(74) Agent: **FIELD, Bret, E.**; Bozicevic, Field & Francis LLP, 201 Redwood Shores Parkway, Suite 200, Redwood City, CA 94065 (US).

(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))*
— *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))*

WO 2025/199256 A1

(54) Title: LONGITUDINAL SAMPLE SETS AND METHODS OF MAKING AND USING THE SAME

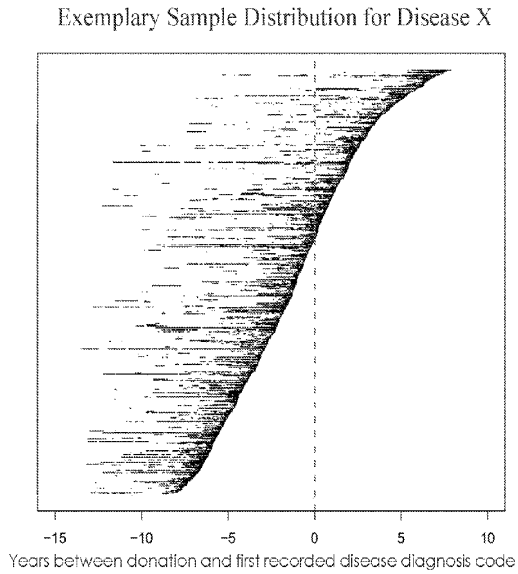


FIG. 2

(57) Abstract: The present disclosure provides a plurality of longitudinal sample sets, wherein a longitudinal sample set includes multiple samples obtained from the same donor over a period of time.