

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
30 October 2008 (30.10.2008)

PCT

(10) International Publication Number
WO 2008/131224 A3

(51) International Patent Classification:
G01N 33/68 (2006.01)

(21) International Application Number:
PCT/US2008/060830

(22) International Filing Date: 18 April 2008 (18.04.2008)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
11/788,260 18 April 2007 (18.04.2007) US
61/002,609 8 November 2007 (08.11.2007) US

(71) Applicant (for all designated States except US): **TETHYS BIOSCIENCE, INC.** [—/US]; 5858 Horton Street, Emeryville, CA 94608-2917 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **URDEA, Michael, S.** [US/US]; 100 Bunce Meadow Road, Alamo, CA 94507 (US). **MCKENNA, Michael, P.** [US/US]; 280 41st Street, Oakland, CA 94611 (US). **ARENSDORF, Patrick, A.** [US/US]; 3343 Thomas Drive, Palo Alto, CA 94303 (US).

(74) Agent: **SINTICH, Sharon, M.**; **MARSHALL, GERSTEIN & BORUN LLP**, 233 S. Wacker Drive, Suite 6300, Sears Tower, Chicago, IL 60606-6357 (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, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, 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, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(88) Date of publication of the international search report:
15 January 2009

(54) Title: DIABETES-RELATED BIOMARKERS AND METHODS OF USE THEREOF

(57) Abstract: The invention describes biomarkers which can be used to predict the likelihood that an individual will develop Diabetes. The biomarkers can also be used to screen large groups in order to identify individuals at risk of developing Diabetes.



WO 2008/131224 A3