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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
14 July 2011 (14.07.2011)

PCT

(10) International Publication Number
WO 2011/085263 A2

(51) International Patent Classification:
C12Q 1/68 (2006.01) *G06F 17/00* (2006.01)
C40B 40/08 (2006.01) *G06F 19/00* (2011.01)

(21) International Application Number:
PCT/US2011/020596

(22) International Filing Date:
7 January 2011 (07.01.2011)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
61/294,038 11 January 2010 (11.01.2010) US
61/346,230 19 May 2010 (19.05.2010) US

(71) Applicant *(for all designated States except US)*: **GENOMIC HEALTH, INC.** [US/US]; 301 Penobscot Drive, Redwood City, CA 94063 (US).

(72) Inventors; and
(75) Inventors/Applicants *(for US only)*: **COWENS, Wayne** [US/US]; 16 Linda Vista, Tiburon, CA 94920 (US). **SHAK, Steven** [US/US]; 648 Fairway Circle, Hillsborough, CA 94010 (US). **GODDARD, Audrey** [CA/US]; 72 Merced Avenue, San Francisco, CA 94127 (US). **KNEZEVIC, Dejan** [HR/US]; 1281 Clark Way, Palo Alto, CA 94304 (US). **BAKER, Joffre** [US/US]; P. O. Box 371212, Montara, CA 94037 (US). **KIEFER, Michael C.** [US/US]; 401 Wright Court, Clayton, CA 94517 (US). **MADDALA, Tara** [US/US]; 1166 Ribier Court, Sunnyvale, CA 94087 (US). **BAEHNER, Frederick L.** [US/US]; 2090 Green St #46, San Francisco, CA 94123 (US).

(74) Agent: **FRANCIS, Carol L.**; Bozicevic, Field & Francis LLP, 1900 University Avenue, Suite 200, East Palo Alto, CA 94303 (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, CL, 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, PE, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, 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, LR, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, 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, 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: METHOD TO USE GENE EXPRESSION TO DETERMINE LIKELIHOOD OF CLINICAL OUTCOME OF RENAL CANCER

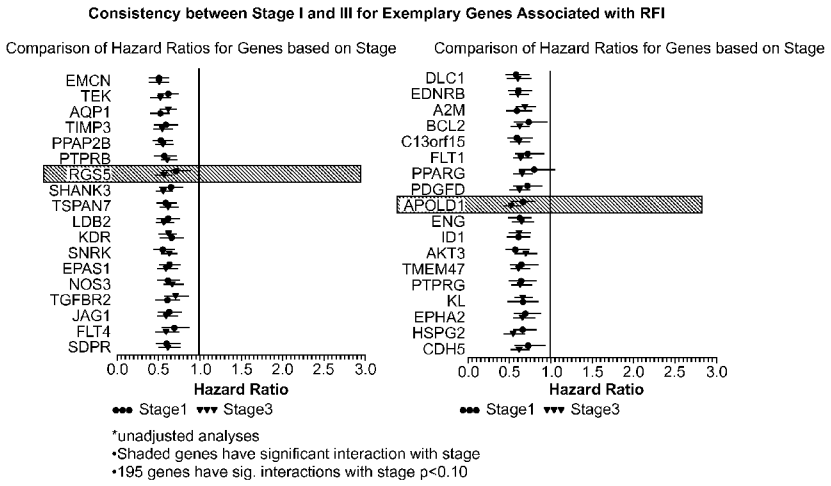

FIG. 1a

(57) Abstract: The present disclosure provides gene and gene sets, the expression of which is important in the classification and/or prognosis of cancer, in particular of renal cell carcinoma.

WO 2011/085263 A2