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(71) Applicant *(for all designated States except US)*: **INDUSTRIAL TECHNOLOGY RESEARCH INSTITUTE**; No. 195, Sec. 4, Chung Hsing Rd., Chutung, Hsinchu, 31040 (TW).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **WANG, Ting-Huei**; 20F.-2, No. 36, Wuling Rd., North Dist., Hsinchu City, 300 (TW). **LI, Yen-Peng**; 7F., No. 27, Aly. 4, Ln. 118, Sec. 2, Heping E. Rd,. Da'an Dist., Taipei City, 106 (TW). **KUO, Pei-Fen**; 3F., No. 24, Ln. 150, Min'an W. Rd., Xinzhuang Dist., New Taipei City, 242 (TW). **CHEN, Shih-Ya**; No. 208, Zhongsong Rd., Da'an Dist., Taichung City, 439 (TW). **LIN, Chia-Ju**; 7F., No. 15, Ershizhang Rd., Xindian Dist., New Taipei City, 231 (TW). **LEE, Jenq-Chang**; No. 181, Chenggong Rd., West Central Dist., Tainan City, 700 (TW). **LEE, Angelina Huai-Lo** [US/—]; 2F.-1, No. 17, Ln. 120, Ziyou St., Zhudong Township, Hsinchu County, 300 (TW).

(74) Agent: **MCROBBIE, Craig A.**; c/o Birch, Stewart, Kolasch & Birch, LLP, P.O. Box 747, Falls Church, Virginia 22040-0747 (US).

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*[Continued on next page]*

(54) Title: BIOMARKERS FOR RECURRENCE PREDICTION OF COLORECTAL CANCER

(57) Abstract: Methods for determining the likelihood of colorectal cancer (CRC) recurrence in a subject that involve measuring the expression level of two or more micro ribonucleic acids (miRNAs) in a biological sample comprising CRC tumor cells from said subject and using the normalized, measured expression levels to determine the likelihood of colorectal cancer recurrence for said subject. In the methods, the normalized expression levels of specific miRNAs are weighted by their contribution to CRC recurrence to calculate the likelihood of CRC recurrence. Kits for measuring the expression level of specific miRNAs that can be used in determining the likelihood of CRC recurrence are also provided.

Recurrence score = exp( y)/(1 + exp( y)); in which y

$y = 16.8612 - 0.6640 \times (hsa\text{-}miR\text{-}518b(Tumor)) - 1.0130 \times (hsa\text{-}miR\text{-}885\text{-}5p(Normal))$ .....[formula1]

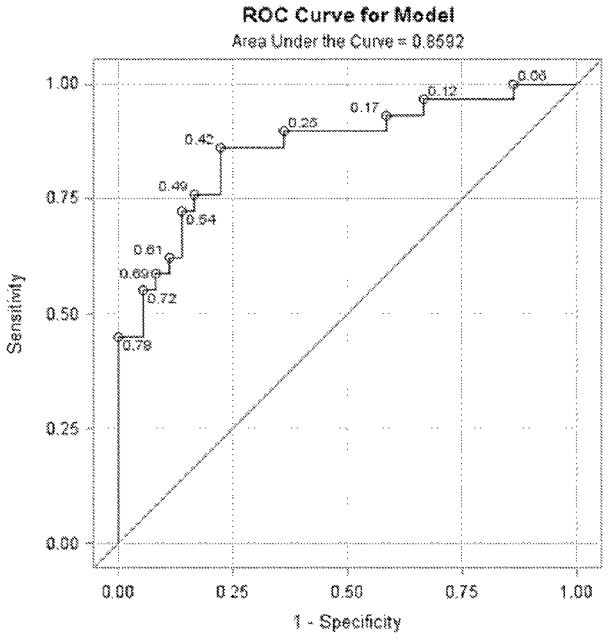



Fig.4

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MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, 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.

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