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(54) Title: METHODS AND SYSTEMS FOR PROGNOSIS AND TREATMENT OF SOLID TUMORS

(57) Abstract: The present invention provides methods, systems and equipment for the prognosis and treatment of renal cell carcinoma (RCC) or other solid tumors. Genes prognostic of clinical outcomes of a solid tumor can be identified according to the present invention. The expression profiles of these genes in peripheral blood mononuclear cells (PBMCs) of patients who have the solid tumor are correlated with clinical outcome of these patients. Examples of RCC prognosis genes are illustrated in Tables 2 and 3. These genes can be used as surrogate markers for predicting clinical outcome of an RCC patient of interest. These genes can also be used for the selection of a favorable treatment for an RCC patient of interest.

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