

Title (en)

METHOD FOR RECOGNIZING SIGNATURES IN COMPLEX GENE EXPRESSION PROFILES

Title (de)

VERFAHREN ZUR ERKENNUNG VON SIGNATUREN IN KOMPLEXEN GENEXPRESSIONSPROFILIEN

Title (fr)

PROCEDE D'IDENTIFICATION DE SIGNATURES DANS DES PROFILS D'EXPRESSION GENETIQUE COMPLEXES

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Application

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Abstract (en)

[origin: WO2005095644A2] The invention relates to a method for recognizing signatures in complex gene expression profiles comprising the following steps: a) preparing a biological sample to be examined; b) preparing at least one suitable expression profile, this at least one expression profile comprising one or more markers that are exclusively typical of the expression profile; c) determining the complex expression profile of the biological sample, and; d) determining the quantitative cellular composition of the biological sample by using the expression profiles determined in steps b) and c). The inventive method can also comprise the following steps: e) calculating a virtual signal that is expected based on the determined composition of the expression profiles; f) calculating the difference from the actual measured complex expression profile and from the virtual signal, and; g) determining the quantitative composition of the complex expression profile based on the determined differences. The invention also relates to the use of the inventive method in the diagnosis, prognosis and/or following the progression of a disease. Lastly, the invention relates to corresponding computer systems, computer programs, machine-readable data storage media and to laboratory robots or evaluation devices for molecular detection methods.

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