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(54) **Title:** UNIVERSAL REFERENCE STANDARD FOR NORMALIZATION OF MICROARRAY GENE EXPRESSION PROFILING DATA

(57) **Abstract:** A method of normalizing gene expression data obtained on a given microarray for a particular biological samples, comprising sorting said data as a function of expression degree for each gene, sorting a reference standard of gene expression data according to the same function of expression degree, and normalizing the expression degree of said particular gene expression data to the corresponding value in the reference standard, the reference standard having been obtained from gene expression data which is other than said particular gene expression data. The method is applicable for normalizing data obtained on a given microarray under varying conditions, including updates in associated instrumentation.

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