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(54) Title: GENE-EXPRESSION PROFILING WITH REDUCED NUMBERS OF TRANSCRIPT MEASUREMENTS

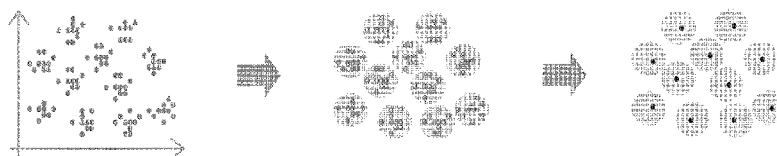


Figure 1

(57) Abstract: The present invention provides compositions and methods for making and using a transcriptome-wide gene-expression profiling platform that measures the expression levels of only a select subset of the total number of transcripts. Because gene expression is believed to be highly correlated, direct measurement of a small number (for example, 1,000) of appropriately-selected transcripts allows the expression levels of the remainder to be inferred. The present invention, therefore, has the potential to reduce the cost and increase the throughput of full-transcriptome gene-expression profiling relative to the well-known conventional approaches that require all transcripts to be measured.

