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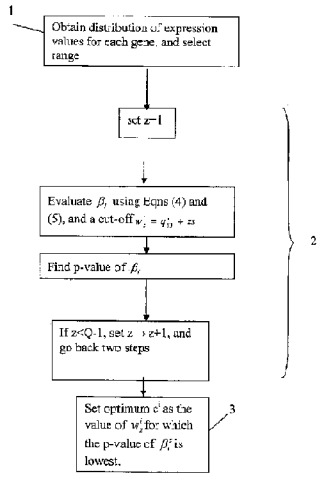
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(54) Title: IDENTIFICATION OF BIOLOGICALLY AND CLINICALLY ESSENTIAL GENES AND GENE PAIRS, AND METHODS EMPLOYING THE IDENTIFIED GENES AND GENE PAIRS

Figure 2



(57) Abstract: A method of obtaining cut-off expression values should be selected so as to maximise the separation of the respective survival curves of the two groups of patients. Pairs of genes are statistically significant genes are generated by generating a plurality of models, each of which represents a way of partitioning a set of subjects based on the optimal cut-off expression values of the pair of genes. Those gene pairs are identified for which one of the models has a high prognostic significance. Novel survival significant gene sets forming functional modules which could be used to develop specific prognostic and predictive tests are derived.

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