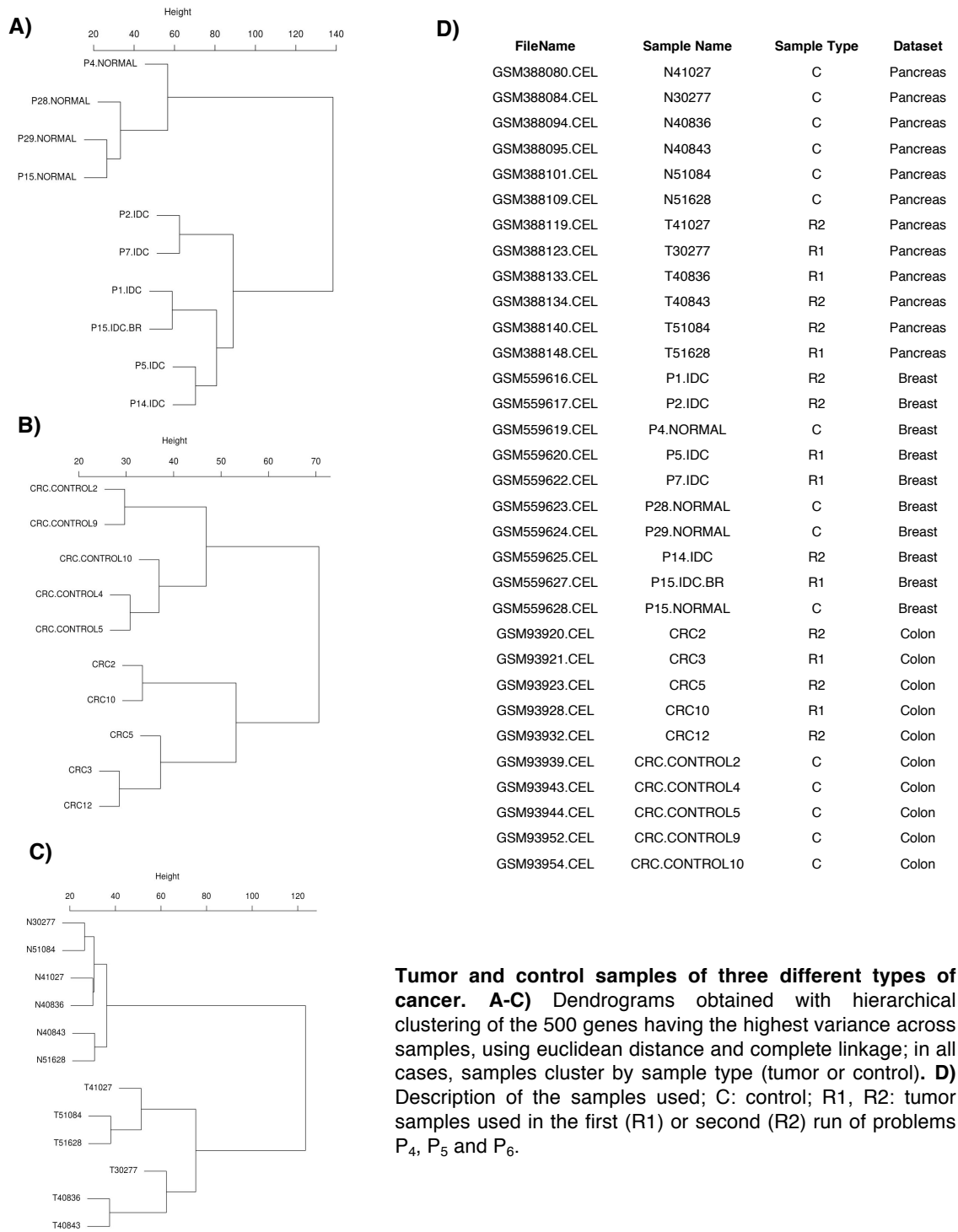


Network-based integration of omics with multi-objective optimization.

Ettore Mosca and Luciano Milanese
Institute of Biomedical Technologies, CNR, Segrate (MI), Italy

Additional File 3. The subset of samples from GEO data sets GSE22544 (breast), GSE4107 (colon) and GSE15471 (pancreas) that we used to study the similarity of protein networks expression in three different types of cancer.



Tumor and control samples of three different types of cancer. A-C) Dendrograms obtained with hierarchical clustering of the 500 genes having the highest variance across samples, using euclidean distance and complete linkage; in all cases, samples cluster by sample type (tumor or control). **D)** Description of the samples used; C: control; R1, R2: tumor samples used in the first (R1) or second (R2) run of problems P₄, P₅ and P₆.