Analytic Technique for Assessment of RNAi by Similarity

National Cancer Institute

Source

National Cancer Institute. Analytic Technique for Assessment of RNAi by Similarity. NCI Thesaurus. Code C123896.

A computational method designed to analyze phenotypic readouts from multiple-sample RNAi screens in which each gene is targeted by multiple RNAi reagents. ATARiS takes advantage of patterns in RNAi data across multiple samples in order to enrich for RNAi reagents whose phenotypic effects relate to suppression of their intended targets. By summarizing only such reagent effects for each gene, ATARiS produces quantitative, gene-level phenotype values, which provide a measure of the effect of gene suppression in each sample.