Method

2. Direct Evidence

Introduction

Table1

2.1. Data Collection

2.2. Data Filter (Why and How, the mysterious Train-Test Score Drop)

2.3. Protein Interactions Distribution Analysis by GO-Enrichment

2. Indirect Evidence

Introduction

Table2

2.1. Data Collection and Feature Extraction

2.1.1. Gene co-expression

2.1.2. Shared Ontology Annotation

2.1.3. Domain interaction

2.1.4. Co-localization

2.1.5. Phylogenetic profile

2.1.6. Homologous interactions

2.2. Validation of the Feature Power

2.2.1. Introduction to ROC

Figure1

Table3 (Final Chosen Features)

3. Training and Testing SVM Model

Introduction

Table3

3.1. \* Probe Data Set by Time (Nature Year)

(Explanation of the Train-Test Strategy, Differences Between Old Strategies in

2009, Which Can Be Explained in Probations)

3.2. Optimization of SVM Training Parameters by Grid Search

3.3. Training and Testing SVM Model (F1 Score)

4. Prediction of Interactions

Introduction

4.1.

4.2.

4.3.

4.4.