

IT



1.

가 ,
 가 . ,
 가가
 가
 ETRI (function prediction system
 in protein interaction networks: f-PIN)

2.

f-PIN 2 - Guilt-by-Association
 .
 , Guilt-by Association
 Proteome ,
 - Potential Interaction .
 - ,
 Neighbor-Counting 2- ,
 Interaction Generality .
 가 Confusion Matrix 가 , Yeast 85%

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가 -

f-PIN (hierarchic, random, radial, organic, circular and tree)

. Neighbor-Counting

Guilt-by-Association

(instance-based algorithm)

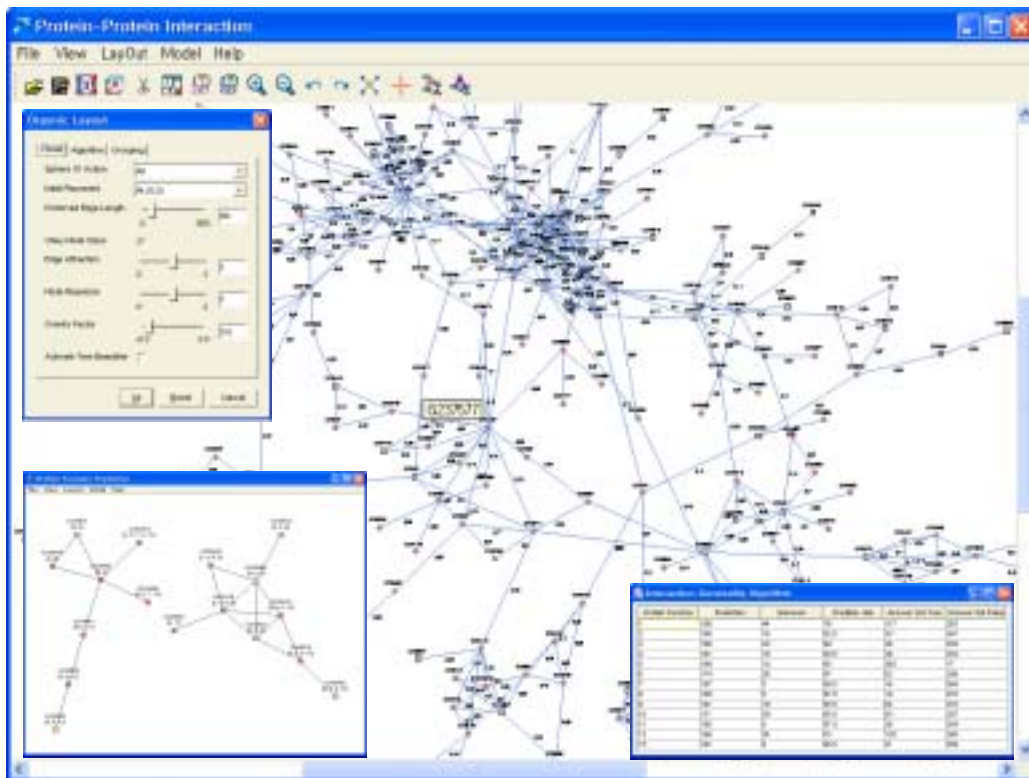
. 2-

(binding partner) 가

(topology)

(depth)

2-



(1)

f-PIN

. Interaction Generality

Yeast-two Hybrid 가 , Interaction Generality 가 50% False-Positive Correlation Expression

3.

(structure) (homology) (sequence), (reliability) (graph-based computational theory) (simulation)

4.

IT

(comparative biology)

(genomics)

(unknown function)

Neighbor-Counting

2-

Interaction Generality

6 가
and tree

-hierarchical, random, radial, organic, circular

GML, YGF

Confusion Matrix Viewer

5.

가