Protein-protein Interactions

Yeast two-hybrid assay: Does a protein A interact with B?

- BAIT: Doesn't active transcription
- PREY: Doesn't bind DNA
- Activate transcription and grow on -his media
Protein-protein Interactions

Large scale yeast two-hybrid assay:
Find pairs of interacting proteins

A comprehensive two-hybrid analysis to explore the yeast protein interactome.
Ito T et al, *PNAS* 2001

A comprehensive analysis of protein-protein interactions in *S. cerevisiae*.

Protein-protein Interactions

Baker’s yeast:
9000 interactions
3000 proteins
(combined, 2006)

Stratus Not Altocumulus: A New View of the Yeast Protein Interaction Network

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