

专论与综述

## 大规模酵母双杂交技术研究蛋白质相互作用的应用

吴志豪, 王 建, 贺福初

(军事医学科学院放射与辐射医学研究所, 北京 100850)

收稿日期 2006-1-22 修回日期 2006-3-28 网络版发布日期 2006-11-13 接受日期

### 摘要

简介了酵母双杂交技术原理, 总结了酵母双杂交技术大规模筛选蛋白质相互作用的基础、应用及存在的问题。因为大规模酵母双杂交技术结果有大量假阳性及假阴性问题, 因此, 有条件情况下有必要同时开展其他方法的大规模蛋白相互作用研究, 以构建规模更大可信度更高的蛋白质相互作用网络图。

关键词 [大规模](#) [酵母双杂交](#) [蛋白质相互作用](#)

分类号 [Q933](#)

## The Application of Large-scale Yeast Two-hybrid to Study Protein — Protein Interaction

WU Zhi-Hao, WANG Jian, HE Fu-Chu

(Beijing Institute of Radiation Medicine, Beijing 100850, China)

### Abstract

<P>The principle of yeast two-hybrid were summarized, the basis for large scale yeast two-hybrid screening of protein-protein interaction was given and the main application of yeast two-hybrid in large scale screening of protein-protein interaction was presented. The problems of large scale yeast two-hybrid screening of protein-protein interaction were also discussed. Because there were a lot of false positives and false negatives in the result of protein-protein interaction obtained by large-scale yeast two-hybrid screening, the employment of other methods to study protein-protein interaction in large scale in parallel was proposed if possible.</P>

Key words [large scale](#) [yeast](#) [two-hybrid](#) [protein-protein interaction](#)

DOI: 10.1360/yc-006-1627

通讯作者 贺福初 [hefc@nic.bmi.ac.cn](mailto:hefc@nic.bmi.ac.cn)

### 扩展功能

#### 本文信息

- ▶ [Supporting info](#)
- ▶ [PDF\(0KB\)](#)
- ▶ [\[HTML全文\]\(0KB\)](#)
- ▶ [参考文献](#)

#### 服务与反馈

- ▶ [把本文推荐给朋友](#)
- ▶ [加入我的书架](#)
- ▶ [加入引用管理器](#)
- ▶ [复制索引](#)
- ▶ [Email Alert](#)
- ▶ [文章反馈](#)
- ▶ [浏览反馈信息](#)

#### 相关信息

- ▶ [本刊中 包含“大规模”的 相关文章](#)
- ▶ 本文作者相关文章

- [吴志豪](#)
- [王 建](#)
- [贺福初](#)