



Yeast System High-throughput Screening Service

Yeast is a powerful tool for obtaining an integrated assessment and genome-wide perspective of toxicity mechanisms through the combination of other omics. It is widely used in many fields including environmental health, agriculture, drug development, and biotechnology.

Applications:

- Screening genes involved in diverse functions, such as metal ion absorption and transport, sequestration, chelation, detoxification, and signal transduction.
- Screening resistance genes responsible for pest and disease infection.
- An alternative approach to animal testing for toxicogenomics study.

Features:

- A unicellular non-pathogenic microorganism with rapid and inexpensive growth.
- Amenable to genetic manipulation.
- Genome-wide analyses are easily implemented.
- A strikingly high-level of functional conservation within the human genome and other higher eukaryotes.
- The functional information is available for nearly every gene.

Services:

Construction of Yeast Expression Library	High-Throughput Screening for Resistance Genes	Phenotypic Validation of Yeast
<ul style="list-style-type: none"> ■ RNA Extraction ■ cDNA Library Construction 	<ul style="list-style-type: none"> ■ Yeast Working Bacteria Liquid Preparation ■ Grouping for Adversity Conditions ■ Yeast Screening ■ Yeast Positive Clone Identification ■ Yeast Induced Expression ■ Validation of Screening Results 	<ul style="list-style-type: none"> ■ Deletion Strain Modification ■ Replenishment (Overexpression) Verification ■ Yeast Phenotype Verification

Our services are featured with high reliability, short turnaround time, and competitive price, welcome to contact us for further information.