

ADVANCING **MICROBIAL GENOME ENGINEERING**

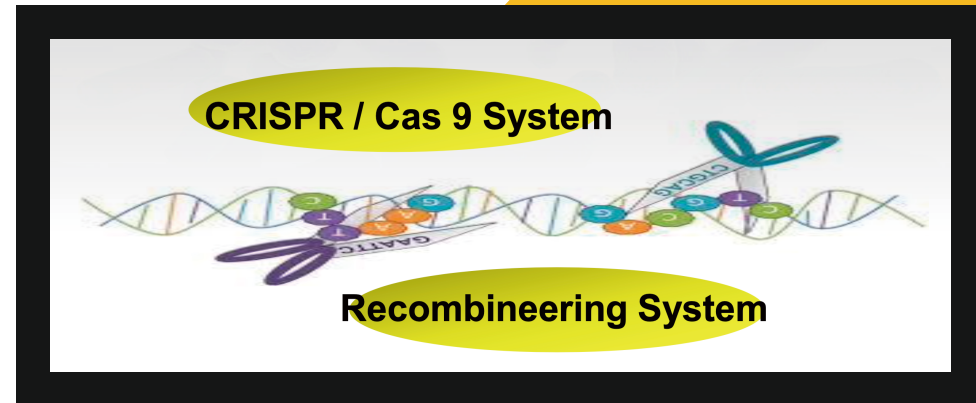
Email: info@creative-biogene.com

Tel: 1-631-626-9181

Fax: 1-631-614-7828

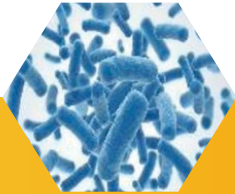
microbiosci.creative-biogene.com

Advanced Gene Editing Technologies



Creative Biogene is a leading company offering series of genetic service, including gene deletion/editing, RNAi, protein expression, and gene tagging procedures. Our company has established mature homologous recombination and CRISPR editing systems in various, including but not limited to E. coli, Salmonella, Pseudomonas, P. pastoris, Bacillus, S. cerevisiae, C. albicans and various filamentous fungi. Creative Biogene has accumulated more than 1000 projects.

Advantage



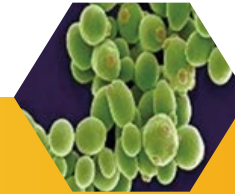
**High Efficiency
& Precision**



**Fast
& Simple**



**Multigene
Editing
(up to 5 genes)**



**No Size Limit
& Seamless**



**Independent
of Restriction
Sites**

Complementary Gene Editing Platforms

Gram-negative bacteria gene editing

01

1. E. Coli
2. Salmonella
3. Pseudomonas
4. Klebsiella
5.

Gram-positive Bacteria Gene Editing

02

1. Bacillus
2. S. aureus
3. Lactococcus
4. Lactobacillus
5.

Yeast CRISPR Gene Editing

03

1. S. cerevisiae
2. P. pastoris
3. C. albicans
4.

Filamentous Fungi CRISPR Gene Editing

04

1. A.niger
2. Penicillium
3. Monascus
4. A.fumigatus
5.

Services Provided

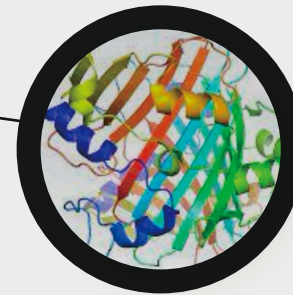
**Point Mutation
Knock Out
Knock Down**



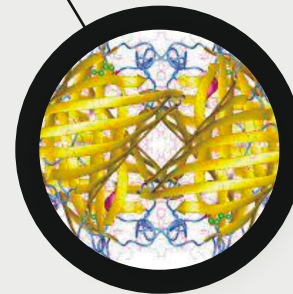
**Knock In
Replacement**



**Protein
Expression
System**



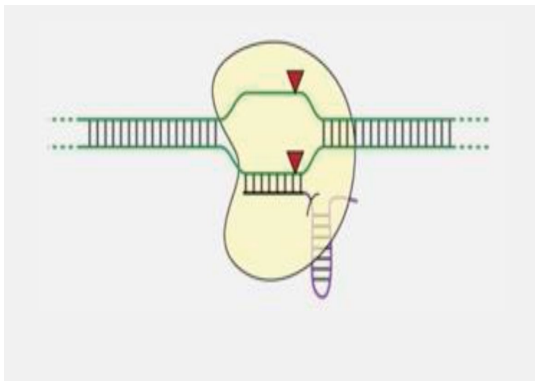
**Stable Fluorescent
Protein Expression
System**



Gene Editing Methods

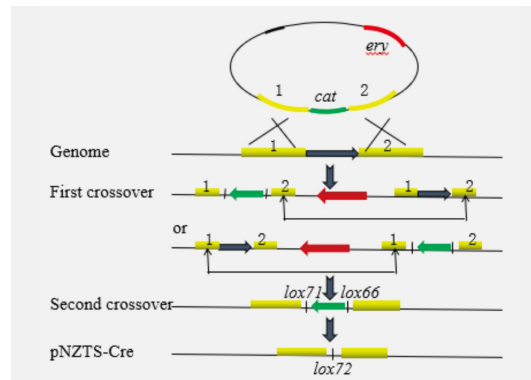
CRISPR/Cas9

- Point mutation
- Gene knockout
- DNA tag insertion



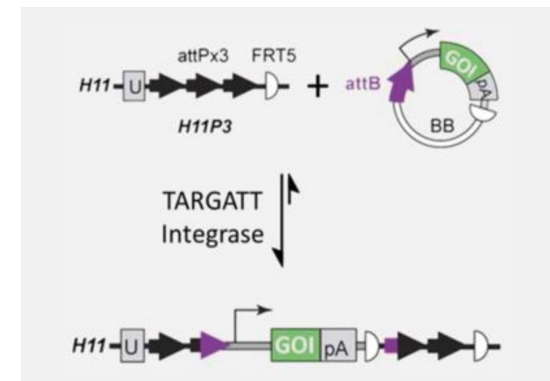
Homologous Recombination

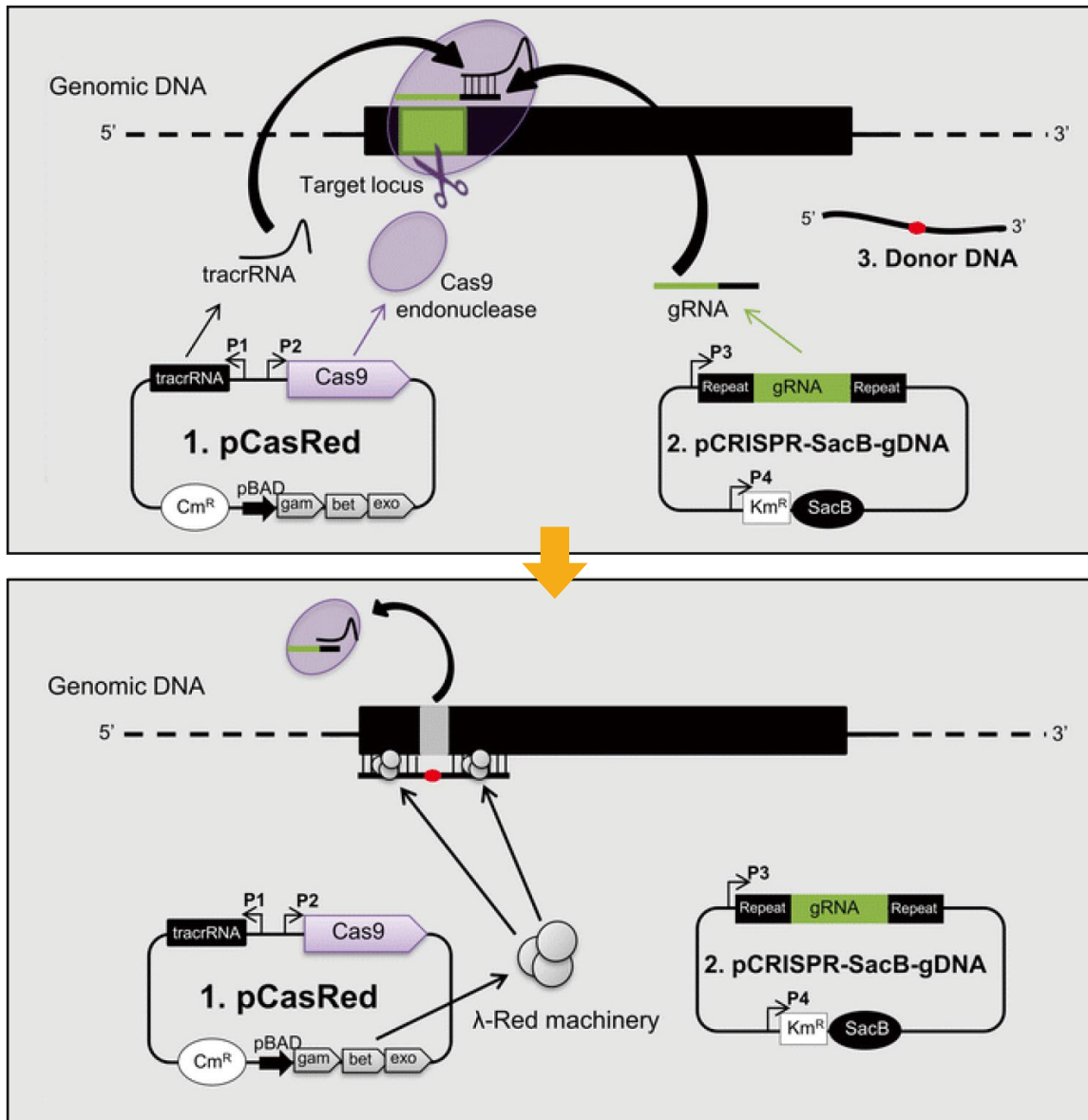
- Point mutation
- Gene knockout
- DNA tag insertion



Site-Specific Recombination

- DNA tag insertion

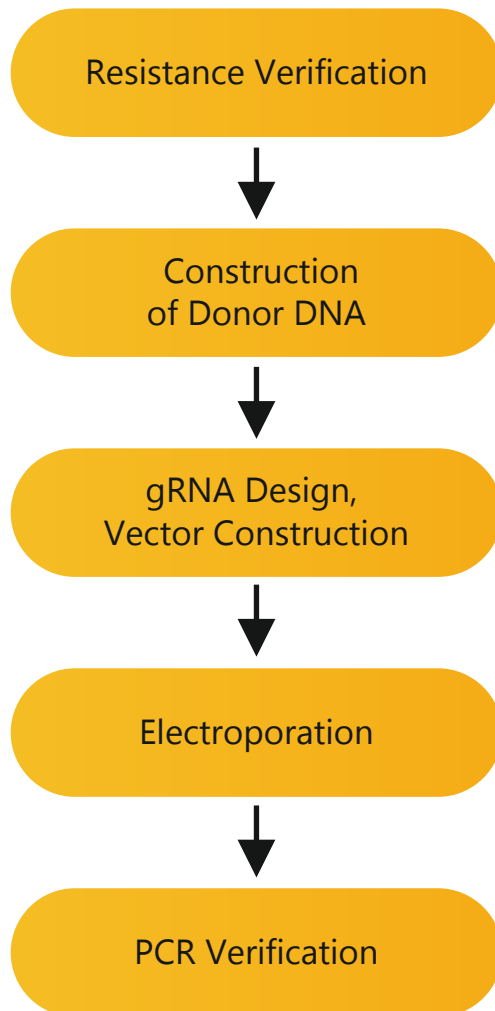




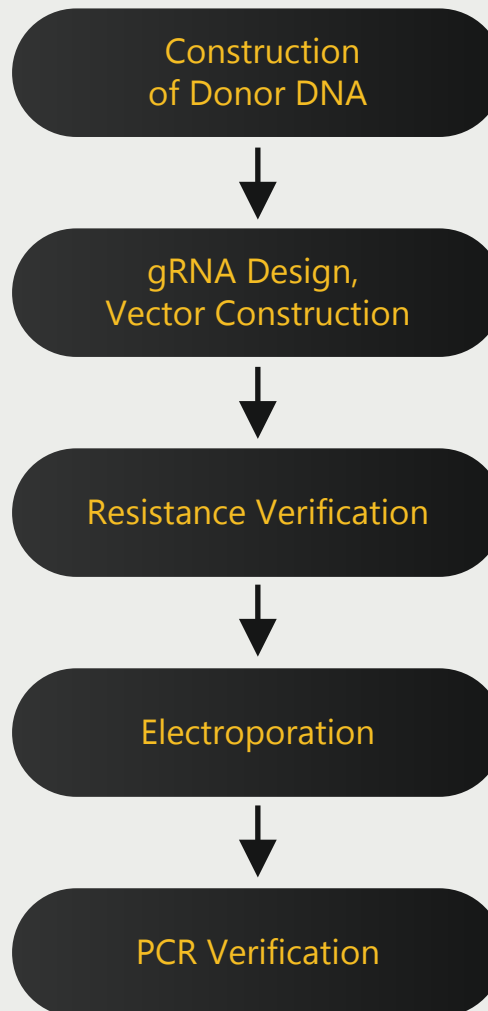
Bacteria Gene Editing

The exploitation of the CRISPR/Cas9 machinery coupled to lambda (λ) recombinase-mediated genome editing is becoming the method of choice for genome editing.

Strategy1



Strategy2

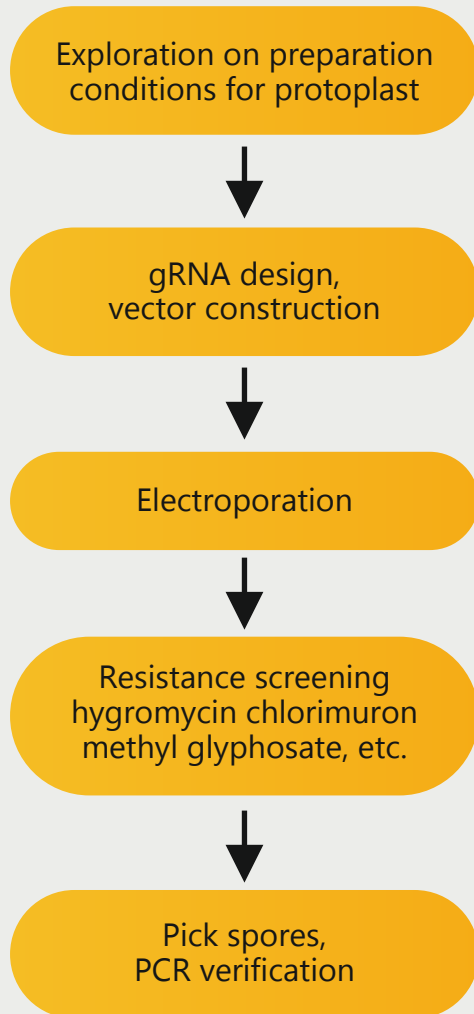


Yeast Gene Editing

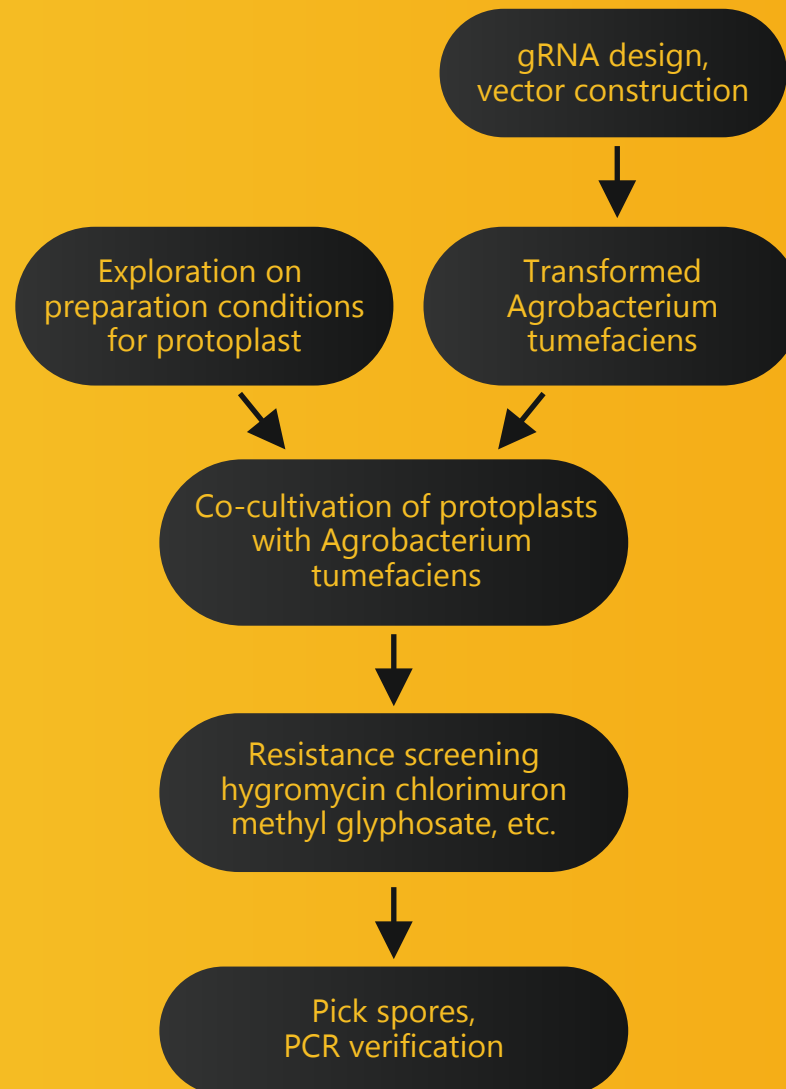
Our company has established mature plasmid and editing systems in yeast and *Candida albicans*, and has accumulated more than 100 projects.

Filamentous Fungi Gene Editing

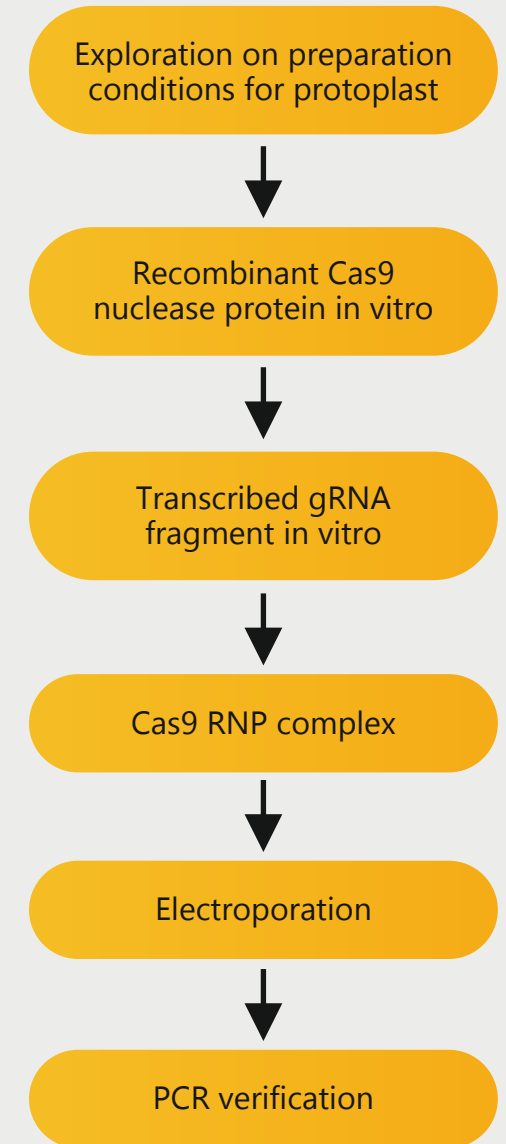
Strategy1



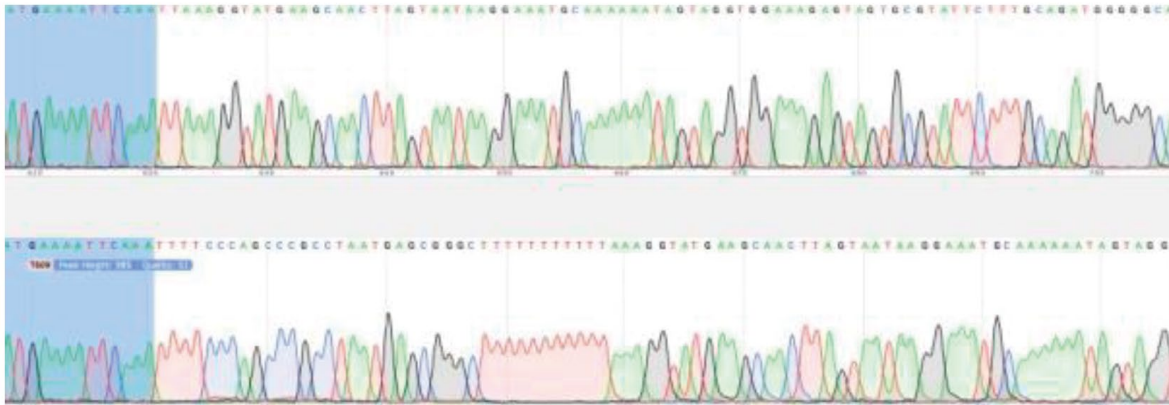
Strategy2



Strategy3



Sequencing peak map



Sequence alignment results



Bacteria Gene Editing Results



We Need

- Host strain
- Target Gene: gene ID, gene name



We Provide

- Constructed strain
- Detailed project report

If you have any special requirements in our genome editing service, please feel free to contact us. We are looking forward to working together with your attractive projects.

Choose **Creative Biogene**

Get closer to Success in your science!



CONTACT US

Suite 115, 17 Ramsey Road, Shirley, NY 11967, USA

Email: info@creative-biogene.com

Tel: 1-631-626-9181

Fax: 1-631-614-7828

<https://microbiosci.creative-biogene.com>