

## List of yeast *Saccharomyces cerevisiae* strain genotypes

| Strain name  | Mating type | Ploidy  | Genotype                                                                     | Provider     |
|--------------|-------------|---------|------------------------------------------------------------------------------|--------------|
| FY2          | MATa        | diploid | <i>ura3D0, ho::HphMX4</i>                                                    |              |
| FY3          | MATa        | diploid | <i>ura3D0, ho::Ble</i>                                                       |              |
| YSBN1        | MATa        | diploid | <i>ho::HphMX4 / ho::Ble</i><br>(FY2 <i>ho::HphMX4</i> × FY3 <i>ho::Ble</i> ) | <sup>1</sup> |
| YSBN2        | MATa        | diploid | <i>ho::Ble / ho::HphMX4</i><br>(FY2 <i>ho::Ble</i> × FY3 <i>ho::HphMX4</i> ) | <sup>1</sup> |
| CEN.PK113-7D | MATa        | haploid | <i>ura3, his3, leu2, trp1, mal2-8<sup>c</sup>, suc2</i>                      | <sup>2</sup> |

- YSBN are prototrophic strains. FY2 (MATa *ura3D0*) and FY3 (MATa *ura3D0*) antibiotic resistance cassettes (hygromycin B/ HphMX4 and phleomycin /Ble) inserted into *ho* gene by transformation in both strains independently. URA3 function retrieved by homologous recombination of functional URA3 PCR product amplified from S288C parental strain. Haploid strains were crossed and diploids selected on YPD plates containing phleomycin and hygromycin B.

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