YKO parental strains
Cat. #YSC1048, YSC1049, YSC1050, YSC1061, YSC1062

A nearly complete set of yeast open reading frame (ORF) knock-outs has been produced by the Saccharomyces Genome Deletion Project (SGDP) using five Yeast Knockout (YKO) Parental Strains derived from Saccharomyces cerevisiae S288C. A PCR-based strategy was used to replace each ORF with a KanMX cassette containing unique tags, “barcodes”, for each deletion. Four different mutant collections have been generated: haploids of mating types MATα and MATalpha, homozygous diploids for non-essential genes, and heterozygous diploids, which contain the essential and non-essential ORFs.

**Storage**
- 4 °C for up to one week
- –80 °C indefinitely

**Product description**
Culture of *S. cerevisiae* in YPD broth with an inert growth indicator + 15% glycerol.

| BY4730 | MATα leu2Δ0 met15Δ0 ura3Δ0 |
| BY4739 | MATα leu2Δ0 lys2Δ0 ura3Δ0 |
| BY4741 | MATα his3Δ1 leu2Δ0 met15Δ0 ura3Δ0 |
| BY4742 | MATα his3Δ1 leu2Δ0 lys2Δ0 ura3Δ0 |
| BY4743 | 4741/4742 |

Homozygous diploids are in the BY4743 background unless 4730/4739 is indicated.

**Useful websites and references**
*Saccharomyces* Genome Deletion Project, click here.