

Description of Additional Supplementary Files

File Name: Supplementary Data 1

Description: List of strains used in this study.

File Name: Supplementary Data 2

Description: Sequencing and genome assembly statistics.

File Name: Supplementary Data 3

Description: Genome contributions in admixed and introgressed strains detected in our study.

File Name: Supplementary Data 4

Description: *Saccharomyces* 2- μ m plasmid information.

File Name: Supplementary Data 5

Description: Reciprocal monophyly tests.

File Name: Supplementary Data 6

Description: Kinetic growth parameter information for *Saccharomyces* strains.

File Name: Supplementary Data 7

Description: PCR primers and conditions.