

Description of Additional Supplementary Files

File Name: Supplementary Data 1

Description: Whole plasmid sequencing results for FAS1 and FAS2 genes clone from *S. cerevisiae* genomic DNA into bacterial expression vectors.

File Name: Supplementary Data 2

Description: Sequences of fungal species used in multi-sequence alignment. Sequences are presented in FASTA format.

File Name: Supplementary Data 3

Description: Source data for Figure 1d