**Supplementary Table S1. Yeast Strains**

| Spices      | Strain      | Genotype                                                                 | Source                          |
|-------------|-------------|---------------------------------------------------------------------------|---------------------------------|
| *S. cerevisiae* | yIO-001     | MATa pep4Δ::g418::TRP1 trp1-1 leu2-3,112 ura3-52 his3-11,15 bar1 GAL+      | IO                              |
| *S. pombe*   | yIO984      | LY5628:h- leu1-32 ura4D ade6-210 cdc11-GFP-NatR hht1-mCherry-HygroR       | A gift from Pascal Bernard to IO |
| *K. lactis*  | 7B520       | ura3-1, his2-2, trp1.                                                     | A gift from Yehuda Tzfati to IO |
| *C. albicans*| UMN7150     | BWP1, HHF2-GFP                                                           | JB                              |
| *C. albicans*| Y30         | HAH2-Ptet-SMC2/HIS1-Ptet-SMC2 HHF1-GFP-URA3/HHF1 ADH1/adh1::PTDH3-tTa SN76| JB                              |
| *T. brucei*  | 29-13       |                                                                           | JS                              |
| *Huh-7.5*    | N/A         |                                                                           | a gift from Charles Rice to MGT |