**Supplemental Table S1. Strains used** in **complementation, additivity and mating studies.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Strains | Parent | MTL | | Genotype | Source |
|  |  |  | |  |  |
| *∆pap***a***-TET*p*-PAP****a*** | *∆pap***a** | **a** | | *∆pap***a***::FRT/PAP***a***..adh1::pTET-PAP***a***-GFP::NAT* | This study |
| *∆pik***a***-*TETp*-PIK****a*** | *∆pik***a** | **a** | | *∆pik***a***::FRT/PIK***a***..adh1::pTET-PAP***a***-GFP::NAT* | This study |
| *∆obp***a***/∆obpα-TET*p*-PAP****a*** | *∆obp***a***/∆obp* | **a** | | *∆obp***a***::FRT/∆obp::FRT..ADH1/adh1::pTET-PAP***a***-GFP::NAT* | This study |
| *∆obp****a****/∆obp-TET*p*-PIK****a*** | *∆obp***a***/∆obp* | **a** | | *∆obp***a***::FRT/∆obp::FRT..ADH1/adh1::pTET-PIK***a***-GFP::NAT* | This study |
| P37039*(***a***/***a***)*  ∆*obp***a**/∆*obp****α*** | P3703  ∆*obp***a**/∆*obp* | | ***a****/***a**  **a***/***a** | Sorbose induced homozygote  Sorbose induced homozygote | This study  This  study |