## Supplemental tables

TABLE S1. *Saccharomyces cerevisiae* strains used in this study

| Strain | Genotype | Source |
|---|---|---|
| MCY96 | *MAT*a *his3 leu2 lys2 trp1 ura3* | Y.-S. Shiau, unpublished |
| MCY97 | *MAT*α *his3 leu2 lys2 trp1 ura3* | Y.-S. Shiau, unpublished |
| MCY99 | MCY97 *avo3-1*$^{ts}$ | Ho et al., 2008 |
| MCY100 | MCY97 *avo3-2*$^{ts}$ | Ho et al., 2008 |
| MCY116 | MCY97 *3HA-TOR2::KanMX6* | Ho et al., 2008 |
| MCY117 | MCY97 *AVO1-13myc::HIS3MX6* | Ho et al., 2008 |
| MCY118 | MCY97 *LST8-13myc::HIS3MX6* | Ho et al., 2008 |
| MCY120 | MCY116 [pRS316-*AVO1-13myc*] | Ho et al., 2008 |
| MCY121 | MCY97 *3HA-TOR2::KanMX6 AVO2-13myc::HIS3MX6* | Ho et al., 2008 |
| MCY122 | MCY97 *3HA-TOR2::KanMX6 LST8-13myc::HIS3MX6* | Ho et al., 2008 |
| MCY123 | MCY97 *3HA-TOR2::KanMX6 AVO3-13myc::HIS3MX6* | Ho et al., 2008 |
| MCY127 | MCY116 *avo2Δ::HIS3MX6 bit61Δ::LEU2* | Ho et al., 2008 |
| MCY135 | MCY97 *3HA-TOR2::KanMX6 BIT61-13myc::HIS3MX6* | Ho et al., 2008 |
| MCY142 | MCY97 *YPK2-13myc::HIS3MX6* | This study |
| MCY215 | MCY99 *3HA-TOR2::KanMX6* | Ho et al., 2008 |
| MCY218 | MCY215 [pRS316-*AVO1-13myc*] | Ho et al., 2008 |
| MCY257 | MCY99 *YPK2-13myc::HIS3MX6* | This study |
| MCY315 | MCY100 *3HA-TOR2::KanMX6* | Ho et al., 2008 |
| MCY318 | MCY315 [pRS316-*AVO1-13myc*] | Ho et al., 2008 |
| MCY334 | MCY100 *YPK2-13myc::HIS3MX6* | This study |

TABLE S2. Plasmids used in this study

| Plasmid | Description | Source |
|---|---|---|
| pTSS1 | *AVO3* in pRS424 (2μ, *TRP1*) | Ho et al., 2005 (1) |
| pHS2 | *AVO1* in pRS424 (2μ, *TRP1*) | Ho et al., 2005 (1) |
| pHS5 | *AVO2* in pRS424 (2μ, *TRP1*) | Ho et al., 2005 (1) |
| pHS9 | pRS316 containing an expression cassette of C-terminal 13Myc-tagged Avo1p driven by the endogenous *AVO1* promoter (*CEN*, *URA3*) | Ho et al., 2008 (2) |
| pGAL1-GST-URA3 | Expressing GST under the control of the *GAL1* promoter (2μ, *URA3*) | J.-J. Lin, unpublished |
| pHC1 | A *YPK2* fragment in pRS424 (2μ, *TRP1*) to express $Ypk2^{\Delta N}$ (i.e. Ypk2 with truncation of the N-terminal 224 aa) | This study |
| pHC2 | Full-length *YPK2* in pGAL1-GST-URA3 (2μ, *URA3*) to express GST-Ypk2 | This study |
| pHC3 | A *YPK2* fragment in pGAL1-GST-URA3 (2μ, *URA3*) to express GST-$Ypk2^{1-618}$ | This study |
| pHC4 | A *YPK2* fragment in pGAL1-GST-URA3 (2μ, *URA3*) to express GST-$Ypk2^{1-466}$ | This study |
| pHC5 | A *YPK2* fragment in pGAL1-GST-URA3 (2μ, *URA3*) to express GST-$Ypk2^{1-333}$ | This study |
| pHC6 | A *YPK2* fragment in pGAL1-GST-URA3 (2μ, *URA3*) to express GST-$Ypk2^{101-677}$ | This study |
| pHC7 | A *YPK2* fragment in pGAL1-GST-URA3 (2μ, *URA3*) to express GST-$Ypk2^{224-677}$ | This study |
| pHC8 | A *YPK2* fragment in pGAL1-GST-URA3 (2μ, *URA3*) to express GST-$Ypk2^{334-677}$ | This study |
| pHC9 | A *YPK2* fragment in pGAL1-GST-URA3 (2μ, *URA3*) to express GST-$Ypk2^{467-677}$ | This study |
| pHC10 | Full-length *YPK2* in pGEX2T | This study |
| pHC11 | Full-length *AVO1* in yTA | This study |
| pHC12 | Full-length *LST8* in pcDNA3.1 | This study |
| pHC13 | Full-length *AVO3* in pSG1 | This study |
| pHC14 | An *AVO1* fragment encoding $Avo1^{1-1066}$ in yTA | This study |
| pHC15 | An *AVO1* fragment encoding $Avo1^{1-840}$ in yTA | This study |

| | | |
|---|---|---|
| pHC16 | An *AVO1* fragment encoding Avo1$^{1–400}$ in yTA | This study |
| pHC17 | An *AVO1* fragment encoding Avo1$^{1–200}$ in yTA | This study |
| pHC18 | An *AVO1* fragment encoding Avo1$^{400–1176}$ in yTA | This study |
| pHC19 | An *AVO1* fragment encoding Avo1$^{600–1176}$ in yTA | This study |
| pHC20 | An *AVO1* fragment encoding Avo1$^{840–1176}$ in yTA | This study |
| pHC21 | An *AVO1* fragment encoding Avo1$^{600–840}$ in pACT2 | This study |
| pHC22 | Full-length *YPK2* in pGBKT7 | This study |
| pHC23 | A *YPK2* fragment encoding Ypk2$^{1–618}$ in pGBKT7 | This study |
| pHC24 | A *YPK2* fragment encoding Ypk2$^{1–466}$ in pGBKT7 | This study |
| pHC25 | A *YPK2* fragment encoding Ypk2$^{1–333}$ in pGBKT7 | This study |
| pHC26 | A *YPK2* fragment encoding Ypk2$^{101–677}$in pGBKT7 | This study |
| pHC27 | A *YPK2* fragment encoding Ypk2$^{224–677}$in pGBKT7 | This study |
| pHC28 | A *YPK2* fragment encoding Ypk2$^{334–677}$in pGBKT7 | This study |
| pHC29 | A *YPK2* fragment encoding Ypk2$^{467–677}$in pGBKT7 | This study |
| pHC30 | Full-length *YPK2* in pMAL-C2 | This study |
| pHC31 | A *YPK2* fragment in pGAL1-GST-URA3 to express GST-Ypk2$^{224–677KD}$ (i.e. a kinase-dead version of Ypk2$^{224–677}$ with a point mutation changing Lys373 of Ypk2 to Ala) | This study |

## Supplemental References


1. Ho, H. L., Shiau, Y. S., and Chen, M. Y. (2005) *Curr. Genet.* **47**, 273-288
2. Ho, H. L., Lee, H. Y., Liao, H. C., and Chen, M. Y. (2008) *Eukaryot Cell* **7**, 1328-1343