

Table S2. Strains used

Strain	Genotype	Expts. in
CMC7	<i>h⁻/h⁻ pat1-114/pat1-114 ade6-M210/ade6-M216 leu1-32/leu1-32</i>	Fig. 1 and 7
CMC15	<i>h⁻/h⁻ pat1-114/pat1-114 ade6-M210/ade6-M216 leu1-32/leu1-32 rec24-177::kanMX6/rec24-177::kanMX6</i>	Fig. 1
CMC36	<i>h⁻/h⁻ pat1-114/pat1-114 ade6-M210/ade6-M216 leu1-32/leu1-32 rec12-207::kanMX6/rec12-207::kanMX6</i>	Fig. 1
CMC40	<i>h⁻/h⁻ pat1-114/pat1-114 ade6-M210/ade6-M216 leu1-32/leu1-32 rec8-206::kanMX6/rec8-206::kanMX6</i>	Fig. 1
CMC197	<i>h⁻/h⁻ pat1-114/pat1-114 ade6-M210/ade6-M216 leu1-32/leu1-32 rec24-210::GFP-kanMX6/rec24-210::GFP-kanMX6</i>	Figs. 2, 3 and S1
CMC271	<i>h⁻/h⁻ pat1-114/pat1-114 ade6-M210/ade6-M216 leu1-32/leu1-32 rec7::GFP/rec7::GFP</i>	Figs. 6 and S1
CMC272	<i>h⁻/h⁻ pat1-114/pat1-114 ade6-M210/ade6-M216 leu1-32/leu1-32 rec7::GFP/rec7::GFP rec12-207::kanMX6/rec12-207::kanMX6</i>	Figs. 6 and S1
CMC273	<i>h⁻/h⁻ pat1-114/pat1-114 ade6-M210/ade6-M216 leu1-32/leu1-32 rec7::GFP/rec7::GFP rec24-177::kanMX6/rec24-177::kanMX6</i>	Figs. 6 and S1
CMC287	<i>h⁻/h⁻ pat1-114/pat1-114 ade6-M210/ade6-M216 leu1-32/leu1-32 rec24-210::GFP-kanMX6/rec24-210::GFP-kanMX6 rec10-175::kanMX6/rec10-175::kanMX6</i>	Figs. 3 and S1
CMC291	<i>h⁻/h⁻ pat1-114/pat1-114 ade6-M210/ade6-M216 leu1-32/leu1-32 rec24-210::GFP-kanMX6/rec24-210::GFP-kanMX6 rec12-207::kanMX6/rec12-207::kanMX6</i>	Figs. 3 and S1
CMC302	<i>h⁻/h⁻ pat1-114/pat1-114 ade6-M210/ade6-M216 leu1-32/leu1-32 rec7::GFP/rec7::GFP rec24-211::HA-kanMX6/rec24-211::HA-kanMX6</i>	Fig. 7
CMC304	<i>h⁻/h⁻ pat1-114/pat1-114 ade6-M210/ade6-M216 leu1-32/leu1-32 rec24-210::GFP-kanMX6/rec24-210::GFP-kanMX6 rec7-212::kanMX6/rec7-212::kanMX6</i>	Figs. 3, 4 and S1
CMC329	<i>h⁻ ade6-M26</i>	Table S1
CMC368	<i>h⁻ ade6-M26 rec24-210::GFP-kanMX6</i>	Table S1
CMC373	<i>h⁺ ade6-3049 rec24-177::kanMX6</i>	Table S1
CMC376	<i>h⁺ ade6-3049 rec7-212::kanMX6</i>	Table S1
CMC377	<i>h⁻ ade6-M26 rec24-211::HA-kanMX6</i>	Table S1
CMC381	<i>h⁺ ade6-3049</i>	Table S1

CMC382	<i>h⁻ ade6-M26 rec7::GFP</i>	Table S1
CMC385	<i>h⁺ ade6-3049 rec7::GFP</i>	Table S1
CMC388	<i>h⁺ ade6-3049 rec24-211::HA-kanMX6</i>	Table S1
CMC398	<i>h⁺ ade6-3049 rec24-210::GFP-kanMX6</i>	Table S1
CMC408	<i>h⁻ ade6-M26 rec24-177::kanMX6</i>	Table S1
CMC409	<i>h⁻ ade6-M26 rec7-212::kanMX6</i>	Table S1
CMC416	<i>h/h⁻ pat1-114/pat1-114 ade6-M210/ade6-M216 leu1-32/leu1-32 rec24-210::GFP-kanMX6/rec24-210::GFP-kanMX6 rec7-212::kanMX6/rec7-212::kanMX6 mei4::GFP-hphMX6/+</i>	Fig. 5
CMC417	<i>h/h⁻ pat1-114/pat1-114 ade6-M210/ade6-M216 leu1-32/leu1-32 rec24-210::GFP-kanMX6/rec24-210::GFP-kanMX6 mei4::GFP- hphMX6/+</i>	Fig. 5
GP13	<i>h⁻ ade6-52</i>	Table 1A
GP24	<i>h⁺ ade6-M26</i>	Table 1A
GP2216	<i>h⁺ ade6-M26 ura4-294 rad32::ura4⁺</i>	Table 1A
GP3533	<i>h⁺ ade4-31 ura4-D18</i>	Table 1B
GP3535	<i>h⁻ leu1-32 ura4-D18 spc1::ura4⁺</i>	Table 1B
GP4145	<i>h⁻ smt-0 ade6-52 ura4-D18 rad32::ura4⁺</i>	Table 1A
GP5597	<i>h⁺ ade4-31 ura4-D18 rec24-177::kanMX6</i>	Table 1B
GP5598	<i>h⁻ ade4-31 ura4-D18 rec24-177::kanMX6</i>	Table 1B
GP5632	<i>h⁺ ade6-M26 rec24-177::kanMX6</i>	Table 1A
GP5635	<i>h⁻ ade6-52 rec24-177::kanMX6</i>	Table 1A
GP5863	<i>h⁺ ade6-52 rec24-177::kanMX6 ura4-D18 rad32::ura4⁺</i>	Table 1A
GP5865	<i>h⁻ smt-0 ade6-M26 rec24-177::kanMX6 ura4-D18 rad32::ura4⁺</i>	Table 1A
GP5602	<i>h⁻ leu1-32 ura4-D18 spc1::ura4⁺ rec24-177::kanMX6</i>	Table 1B
GP5603	<i>h⁺ leu1-32 ura4-D18 spc1::ura4⁺ rec24-177::kanMX6</i>	Table 1B

Alleles are commonly used autotrophic markers, the mating type locus, *rec7-212::kanMX6* (this study), *rec7::GFP* (Molnar et al., 2001), *rec8-206::kanMX6* (Martin-Castellanos et al., 2005), *rec10-175::kanMX6* (Ellermeier and Smith, 2005), *rec12-207::kanMX6* (Martin-Castellanos et al., 2005), *rec24-177::kanMX6* (Martin-Castellanos et al., 2005), *rec24-210::GFP-kanMX6* (this study), *rec24-211::HA-kanMX6* (this study), *mei4::GFP-hph* (this study), and *spc1::ura4⁺* (Shiozaki and Russell, 1995).