

Table S1. List of strains used in this study.

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| EA1 | <i>h⁻ Δddb1::kanMX ura4::adh::dmdNK-natMX-adh::hENT1 ura4-aim</i> |
| EA5 | <i>h⁻ Δspd1::hphMX ura4::adh::dmdNK-nat-adh::hENT1 ura4-aim</i> |
| EA7 | <i>h⁻ Δddb1::kanMX Δspd1::hphMX ura4::adh::dmdNK-natMX-adh::hENT1 ura4-aim</i> |
| Eg545 | <i>h⁺ Δmat2,3</i> |
| Eg2261 | <i>h⁺ Δcdt2::ura4⁺ ura4-D18 leu1-32 ade6-704</i> |
| Eg2352 | <i>h⁻ leu1-32 ura4-D18</i> |
| Eg2664 | <i>h⁺ cdc22-M45</i> |
| Eg2686 | <i>h⁺ rad3-TS</i> |
| Eg3027 | <i>h⁻ leu1⁺::nmt41-cdt2 Δcdt2::ura4⁺ ura4-D18</i> |
| Eg3055 | <i>h⁺ leu1⁺::nmt41-cdt2 Δcdt2::ura4⁺ ura4-D18</i> |
| Eg3056 | <i>h⁻ leu1⁺::nmt41-cdt2 Δcdt2::ura4⁺ ura4-D18 rad3-TS</i> |
| Eg3178 | <i>h⁺ leu1⁺::nmt41-cdt2 Δcdt2::ura4⁺ ura4-D18</i> |
| Eg3188 | <i>h⁻ leu1⁺::nmt41-cdt2 Δcdt2::ura4⁺ ura4::adh-dmdNK-natMX-adh-hENT</i> |
| Eg3192 | <i>h⁻ leu1⁺::nmt41-cdt2 Δcdt2::ura4⁺ ura4::adh-dmdNK-natMX-adh-hENT Δspd1::hphMX</i> |
| Eg3194 | <i>h⁻ leu1⁺::nmt41-cdt2 Δcdt2::ura4⁺ ura4-D18 Δspd1::hphMX</i> |
| Eg3302 | <i>h⁻ cdc22-C11</i> |
| Eg3439 | <i>h⁻ leu1⁺::nmt41-cdt2 Δcdt2::ura4⁺ ura4-D18 Δspd1::hphMX rad3-TS</i> |
| Eg3455 | <i>h⁻ leu1⁺::nmt41-cdt2 Δcdt2::ura4⁺ Δspd2::kanMX</i> |
| Eg3457 | <i>h⁻ leu1⁺::nmt41-cdt2 Δcdt2::ura4⁺ Δspd1::hphMX</i> |
| Eg3459 | <i>h⁻ leu1⁺::nmt41-cdt2 Δcdt2::ura4⁺ Δspd1::hphMX Δspd2::kanMX</i> |
| Eg3490 | <i>h⁻ leu1⁺::nmt41-cdt2 Δcdt2::ura4⁺</i> |
| Eg3503 | <i>h⁻ cdc22-M45 ura4::adh-dmdNK-naMXt-adh-hENT ura4-aim</i> |
| Eg3504 | <i>h⁻ cdc22-C11 ura4::adh-dmdNK-natMX-adh-hENT ura4-aim</i> |
| Eg3682 | <i>h⁻ leu1⁺::nmt41-cdt2 Δcdt2::kanMX ura4::adh-dmdNK-natMX-adh-hENT cds1-2HA-his6::ura4⁺</i> |
| Eg3683 | <i>h⁻ leu1⁺::nmt41-cdt2 Δcdt2::kanMX ura4::adh-dmdNK-natMX-adh-hENT cds1-2HA-his6::ura4⁺ Δspd1::hphMX</i> |
| Eg3706 | <i>h⁻ leu1⁺::nmt41-cdt2 Δcdt2::kanMX Δrad3::ura4⁺ ura4-D18::adh-suc22⁺</i> |
| Eg3775 | <i>h⁻ leu1⁺::nmt41-cdt2 Δcdt2::ura4⁺ ura4::adh-dmdNK-natMX-adh-hENT rad3-N2235K</i> |
| Eg3776 | <i>h⁻ leu1⁺::nmt41-cdt2 Δcdt2::ura4⁺ ura4::adh-dmdNK-natMX-adh-hENT rad3-N2235K Δspd1::hphMX</i> |
| Eg3787 | <i>h⁺ rad3-N2235K leu1⁺::nmt41-cdt2 Δcdt2::ura4⁺</i> |
| Eg3788 | <i>h⁺ rad3-N2235K leu1⁺::nmt41-cdt2 Δcdt2::ura4⁺ Δspd1::hphMX</i> |
| Eg3837 | <i>h⁻ leu1⁺::nmt41-cdt2 Δcdt2::kanMX ura4-D18 Δrad3::ura4⁺</i> |
| Eg3838 | <i>h⁻ leu1⁺::nmt41-cdt2 Δcdt2::kanMX ura4-D18 Δrad3::ura4⁺ Δspd1::hphMX</i> |
| Eg3843 | <i>h⁻ leu1⁺::nmt41-cdt2 Δcdt2::kanMX ura4-D18 Δrad26::ura4⁺</i> |
| Eg3844 | <i>h⁻ leu1⁺::nmt41-cdt2 Δcdt2::kanMX ura4-D18 Δrad26::ura4⁺ Δspd1::hphMX</i> |
| Eg3845 | <i>h⁻ leu1⁺::nmt41-cdt2 Δcdt2::kanMX ura4-D18 Δcds1::ura4⁺</i> |
| Eg3846 | <i>h⁻ leu1⁺::nmt41-cdt2 Δcdt2::kanMX ura4-D18 Δcds1::ura4⁺ Δspd1::hphMX</i> |
| Eg3847 | <i>h⁻ leu1⁺::nmt41-cdt2 Δcdt2::kanMX ura4-D18 Δmrc1::ura4⁺</i> |
| Eg3848 | <i>h⁻ leu1⁺::nmt41-cdt2 Δcdt2::kanMX ura4-D18 Δmrc1::ura4⁺ Δspd1::hphMX</i> |
| Eg3858 | <i>h² leu1⁺::nmt41-cdt2 Δcdt2::kanMX Δchk1::ura4⁺</i> |
| Eg3859 | <i>h² leu1⁺::nmt41-cdt2 Δcdt2::kanMX Δchk1::ura4⁺ Δspd1::natMK</i> |
| Eg3851 | <i>h⁺ leu1⁺::nmt41-cdt2 Δcdt2::kanMX ura4-D18 Δcrb2::ura4⁺</i> |
| Eg3852 | <i>h⁺ leu1⁺::nmt41-cdt2 Δcdt2::kanMX ura4-D18 Δcrb2::ura4⁺ Δspd1::hphMX</i> |
| Eg3860 | <i>h² leu1⁺::nmt41-cdt2 Δcdt2::kanMX Δchk1::ura4⁺ Δcds1::hphMX</i> |
| Eg3861 | <i>h² leu1⁺::nmt41-cdt2 Δcdt2::kanMX Δchk1::ura4⁺ Δcds1::hphMX Δspd1::natMX</i> |
| Eg3835 | <i>h⁺ leu1⁺::nmt41-cdt2 Δcdt2::kanMX ura4-D18 Δrad1::ura4⁺</i> |
| Eg3836 | <i>h⁺ leu1⁺::nmt41-cdt2 Δcdt2::kanMX ura4-D18 Δrad1::ura4⁺ Δspd1::hphMX</i> |
| Eg3849 | <i>h⁺ leu1⁺::nmt41-cdt2 Δcdt2::kanMX ura4-D18 Δrad9::ura4⁺</i> |
| Eg3850 | <i>h⁺ leu1⁺::nmt41-cdt2 Δcdt2::kanMX ura4-D18 Δrad9::ura4⁺ Δspd1::hphMX</i> |
| Eg3839 | <i>h⁺ leu1⁺::nmt41-cdt2 Δcdt2::kanMX ura4-D18 Δrad17::ura4⁺</i> |
| Eg3840 | <i>h⁺ leu1⁺::nmt41-cdt2 Δcdt2::kanMX ura4-D18 Δrad17::ura4⁺ Δspd1::hphMX</i> |
| MG83 | <i>h⁻ ura4::adh::dmdNK-natMX-adh::hENT1 ura4-aim</i> |
| OL1144 | <i>h⁻ Δspd1::ura4 ura4-D18</i> |
| OL1368 | <i>h⁺ Δddb1::kanMX Δspd1::hphMX</i> |
| OL1687 | <i>h⁺ Δddb1::hphMX</i> |
| RO144 | <i>h⁻ smt-0</i> |
