

Supporting Information

Boer et al. 10.1073/pnas.0802601105

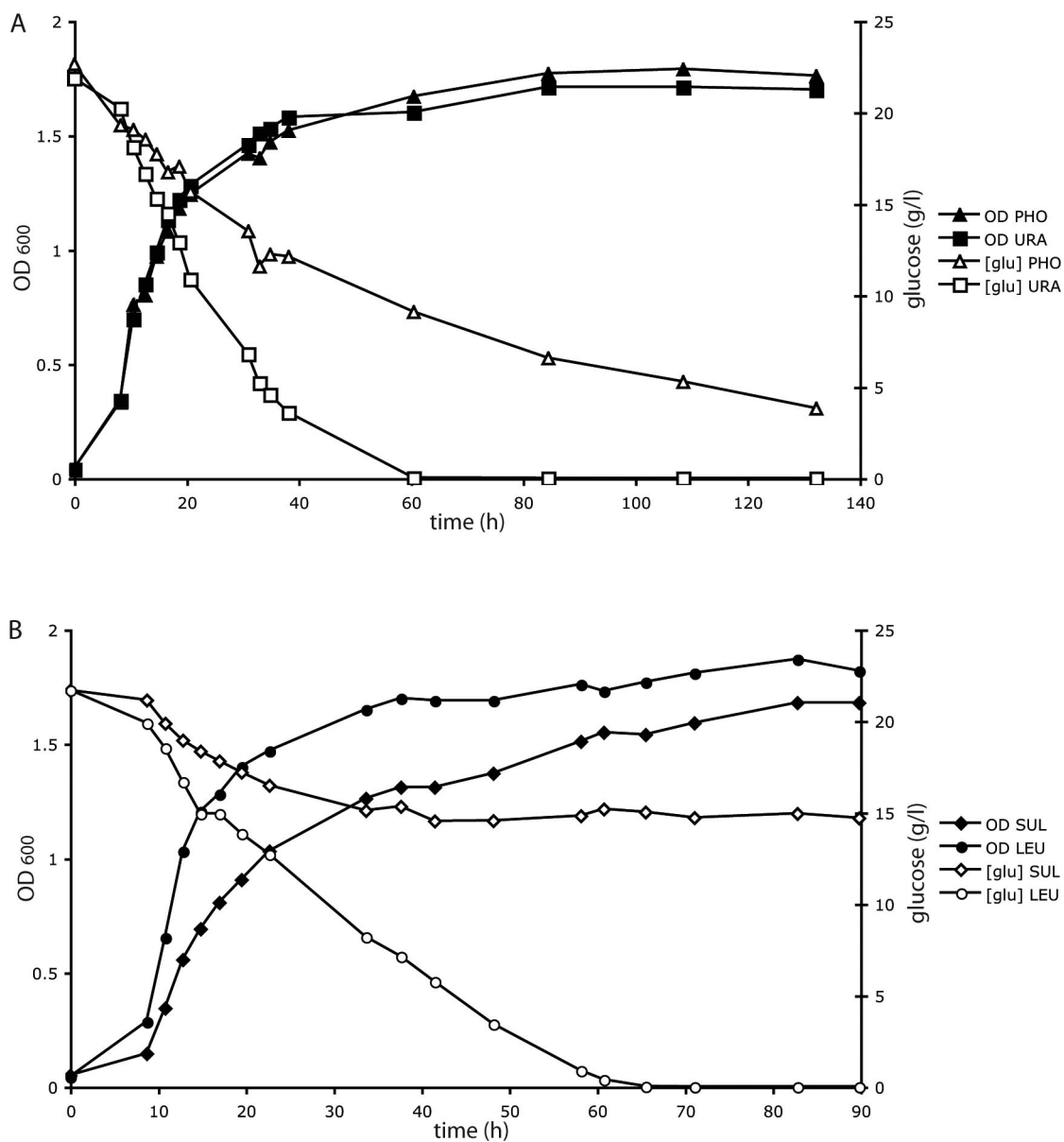


Fig. 51. Growth and glucose consumption during nutrient starvation. (A) CEN.PK derivative strain DBY9492 (Mata ura3-52) during phosphate starvation (triangles) and uracil starvation (squares). (B) W303 derivative strain DBY15045 (Mata leu2-3,112) during sulfate starvation (diamonds) and leucine starvation (circles). Filled symbols, OD₆₀₀; open symbols, glucose concentration.

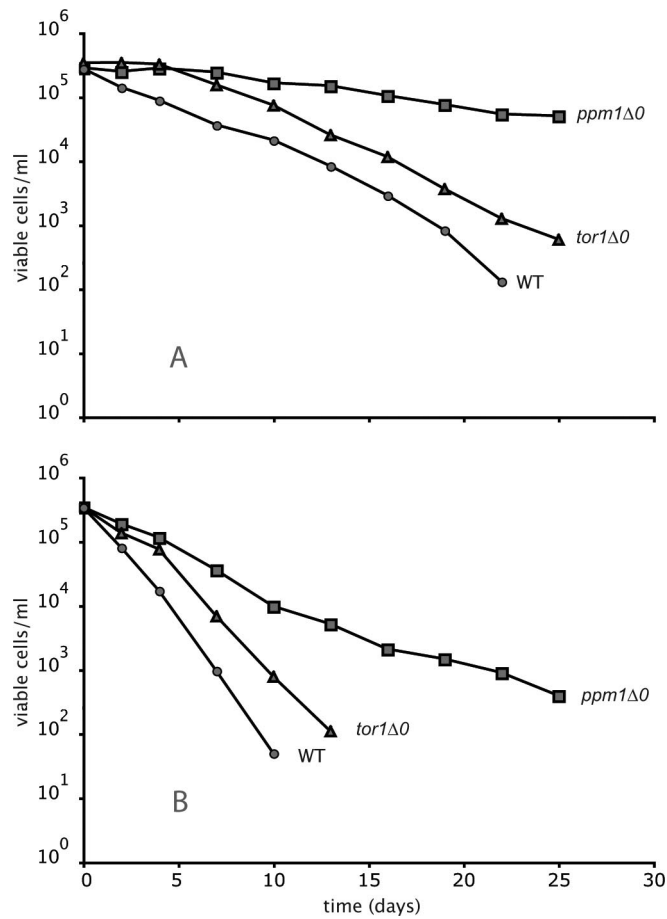


Fig. S2. Survival of wild-type and isogenic deletion strains during auxotrophy starvation. (A) Leucine starvation. (B) Uracil starvation. Wild-type strain BY4742, circles; isogenic *ppm1Δ0* deletion strain, squares; isogenic *tor1Δ0* deletion strain, triangles.

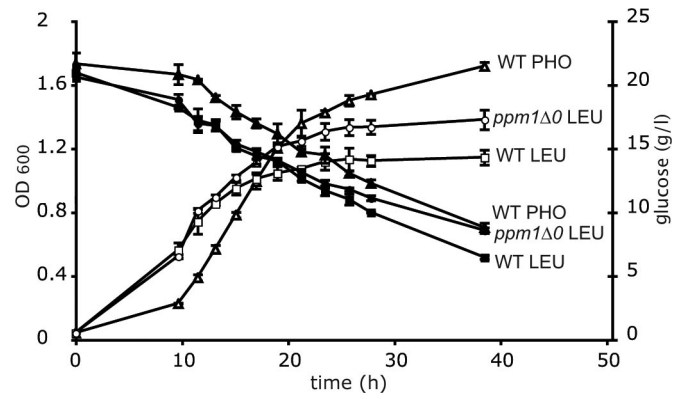


Fig. S3. Growth and glucose consumption during phosphate and leucine starvation. Strain DBY8863 during phosphate starvation, triangles; strain DBY8863 during leucine starvation, squares; isogenic *ppm1D0* deletion strain during leucine starvation, circles. Open symbols, OD₆₀₀; filled symbols, glucose concentration. Values represent averages and standard deviation of two (DBY8863) or four (*ppm1Δ0* deletion strain) independent experiments.

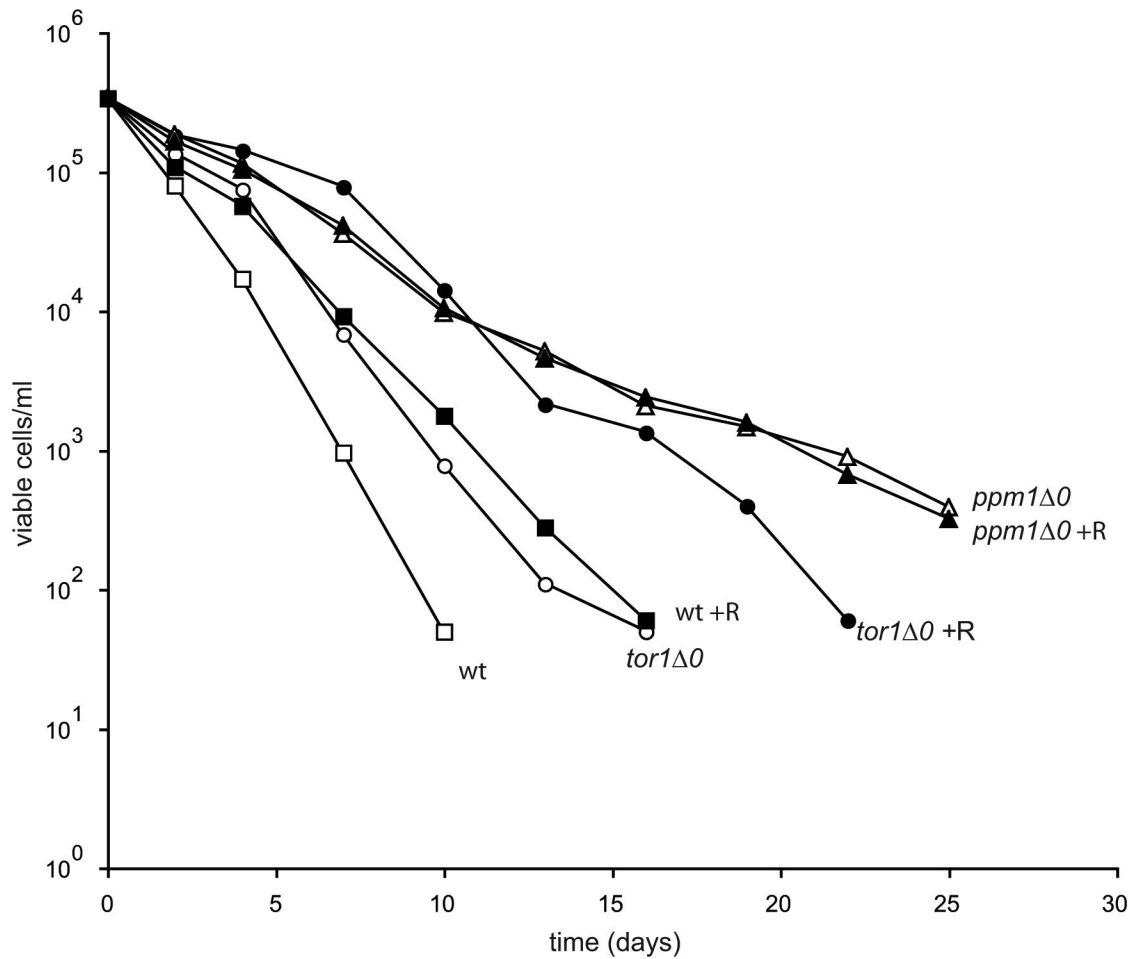


Fig. S4. Survival of wild-type strain BY4742 and isogenic deletion strains during uracil starvation in dilute cultures, with and without rapamycin. Wild type, squares; *tor1Δ0*, circles; and *ppm1Δ0*, triangles. Open symbols, without rapamycin; closed symbols, with 100 nM rapamycin.

Table S1. Genes and gene ranks in the gene neighborhood

| Rank | Common name | ORF name |
|------|--------------|----------|
| 1 | <i>PPH22</i> | YDL188C |
| 2 | <i>CDC55</i> | YGL190C |
| 3 | <i>RTS1</i> | YOR014W |
| 4 | <i>SSA1</i> | YAL005C |
| 5 | <i>LST8</i> | YNL006W |
| 6 | <i>QRI8</i> | YMR022W |
| 7 | <i>HMG2</i> | YLR450W |
| 8 | <i>HMG1</i> | YML075C |
| 9 | <i>SSD1</i> | YDR293C |
| 10 | <i>GPA1</i> | YHR005C |
| 11 | <i>NPL4</i> | YBR170C |
| 12 | <i>TCO89</i> | YPL180W |
| 13 | <i>SSE1</i> | YPL106C |
| 14 | <i>SEC61</i> | YLR378C |
| 15 | <i>RRD2</i> | YPL152W |
| 16 | <i>HSP82</i> | YPL240C |
| 17 | <i>SSA2</i> | YLL024C |
| 18 | <i>TPK1</i> | YJL164C |
| 19 | <i>CUE1</i> | YMR264W |
| 20 | <i>SLT2</i> | YHR030C |
| 21 | <i>SSK1</i> | YLR006C |
| 22 | <i>KEL1</i> | YHR158C |
| 23 | <i>RTS3</i> | YGR161C |
| 24 | <i>TOR2</i> | YKL203C |
| 25 | <i>PPH21</i> | YDL134C |
| 26 | <i>RAD6</i> | YGL058W |
| 27 | <i>CYR1</i> | YJL005W |
| 28 | <i>HSF1</i> | YGL073W |
| 29 | <i>RPT1</i> | YKL145W |
| 30 | <i>MOT1</i> | YPL082C |
| 31 | <i>RAS2</i> | YNL098C |
| 32 | <i>TPK2</i> | YPL203W |
| 33 | <i>YDJ1</i> | YNL064C |
| 34 | <i>YOR1</i> | YGR281W |
| 35 | <i>ZDS1</i> | YMR273C |
| 36 | <i>CAR1</i> | YPL111W |
| 37 | <i>ZDS2</i> | YML109W |
| 38 | <i>LTE1</i> | YAL024C |
| 39 | <i>SEC18</i> | YBR080C |
| 40 | <i>BUB2</i> | YMR055C |