



Supplementary information, Fig. S7. The phosphorylation status of Psp2 does not affect its function in Atg1 translation.

a Psp2 is hyperphosphorylated upon nitrogen starvation or rapamycin treatment. *PSP2-PA* cells (YZY051) were grown in YPD until mid-log phase and then starved for nitrogen or treated with 100 nM rapamycin for 3 h. Protein extracts were analyzed by western blot after SDS-PAGE using 50 mM Phos-tag. **b** Cells expressing the phosphomimetic (*PSP2^{S340D}* [YZY090], *PSP2^{S522D}* [YZY145], *PSP2^{S236,238D}* [YZY147], *PSP2^{S236,238,340D}* [YZY173], *PSP2^{S236,238,340,522D}* [YZY196]) and non-phosphorylatable (*PSP2^{S340A}* [YZY089], *PSP2^{S522A}* [YZY144], *PSP2^{S236,238A}* [YZY146], *PSP2^{S236,238,340A}* [YZY172], *PSP2^{S236,238,340,522A}* [YZY195]) mutants of Psp2 showed a similar level of Atg1 to WT (SEY6210) during nitrogen starvation. The Atg1 level was analyzed using western blot in the indicated strains after 1 d of nitrogen starvation as described in Fig. 1a.