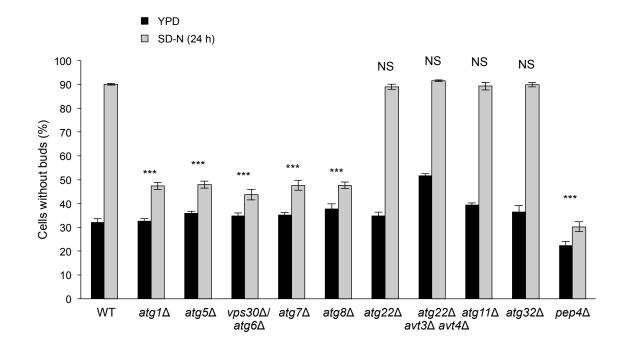
Supplemental Material to:

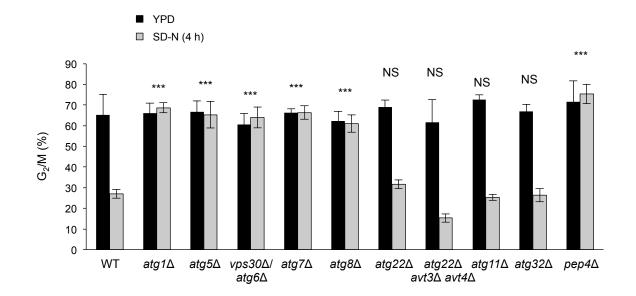
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Autophagy is required for G₁/G₀ quiescence in response to nitrogen starvation in *Saccharomyces cerevisiae*

Autophagy 2014; 10(10) http://dx.doi.org/10.4161/auto.32122

www.landesbioscience.com/journals/autophagy/article/32122





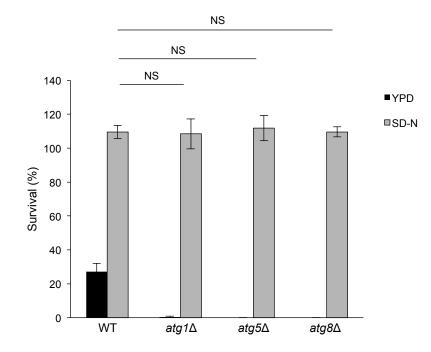


Figure S1. Cell cycle analysis of wild-type and autophagy-deficient yeasts during nitrogen starvation. Quantification of the percentage of wild-type and indicated *atg* mutant yeast strains without buds at time 0 (YPD) or after 24 h in SD-N (SD-N). Bars represent mean \pm SEM of triplicate samples (at least 100 cells per sample were counted). Similar results were observed in more than 3 independent experiments. ****P*<0.001, NS, not significant; 2-way ANOVA with Bonferroni correction for comparison of magnitude of change between YPD and SD-N in the indicated *atg* mutant yeast strain compared to the magnitude of change between YPD and SD-N in wild-type (WT) yeasts.

Figure S2. Quantification of wild-type and autophagy-deficient yeasts in G_2/M (2N DNA content) during nitrogen starvation. Flow cytometry data from experiments performed in Figure 1B were fitted to the Dean-Jet-Fox model. Values represent the mean \pm SEM percentage of cells with 2N DNA content (i.e., in G_2/M) of 3 independent experiments. *** *P*<0.001, NS, not significant; 2-way ANOVA with Bonferroni correction for comparison of magnitude of change between YPD and SD-N in the indicated *atg* mutant strain compared to the magnitude of change between YPD and SD-N in wild-type (WT) yeasts.

Figure S3. Heat-shock resistance of $atg1\Delta$, $atg5\Delta$, and $atg8\Delta$ strains. Assessment of heat-shock resistance in indicated yeast strains during growth in YPD or after shifting to SD-N for 4 h. Bars represent mean \pm SEM of triplicate samples. Similar results were observed in 3 independent experiments. NS, not significant; one-way ANOVA with Tukey test for multiple comparisons.