

Supplementary Materials:

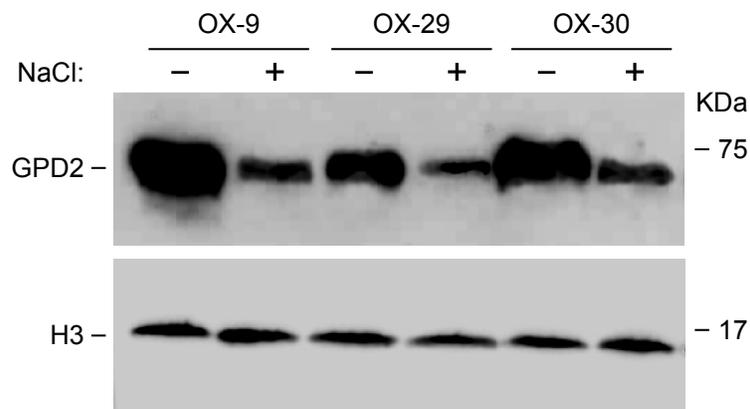


Figure S1. Analysis of GPD2 protein abundance in overexpression strains OX-9, OX-29, and OX-30. The upper panel shows an immunoblot of transgenic GPD2 protein abundance, detected with an anti AcV5 monoclonal antibody, in cells cultured for 6 hours in minimal HS medium or HS medium containing 100 mM NaCl. Immunodetection of histone H3 was used as a control for equivalent loading of the lanes (bottom panel).

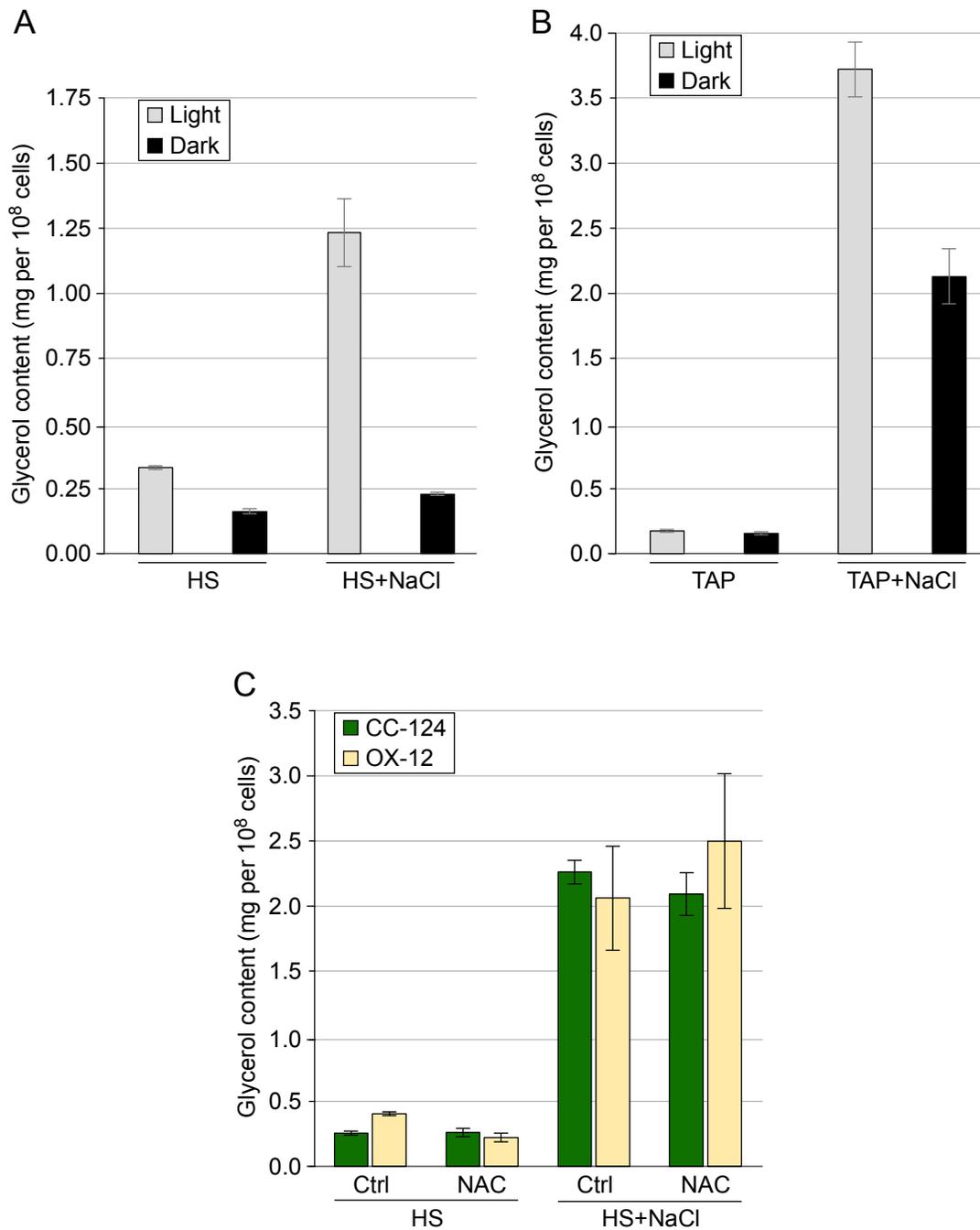


Figure S2. Effect of light and the ROS scavenger *N*-acetyl-L-cysteine (NAC) on glycerol accumulation by the wild type and OX-12 strains. **(A)** Glycerol content in the wild type cultured in minimal HS medium or HS medium containing 100 mM NaCl (HS+NaCl) for 6 hours under continuous light (Light) or under complete darkness (Dark). Cells, in the middle of the logarithmic phase, were grown for three days in minimal HS medium under continuous darkness (to deplete them from stored starch) prior to the experiment. Values shown are the mean \pm SD of three independent experiments. **(B)** Glycerol content in the wild type cultured in TAP medium or TAP medium containing 100 mM NaCl (TAP+NaCl) for 6 hours under continuous light (Light) or under complete darkness (Dark). Values shown are the mean \pm SD of three independent experiments. **(C)** Glycerol content in the wild type and OX-12 strains cultured in HS medium or HS medium containing NaCl, in the absence (Ctrl) or presence of *N*-acetyl-L-cysteine (NAC). Values shown are the mean \pm SD of three independent experiments.

