

SUPPORTING INFORMATION

On-Target Labeling of Intracellular Metabolites Combined with Chemical Mapping of Individual Hyphae Revealing Cytoplasmic Relocation of Isotopologues

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ADDITIONAL FIGURE

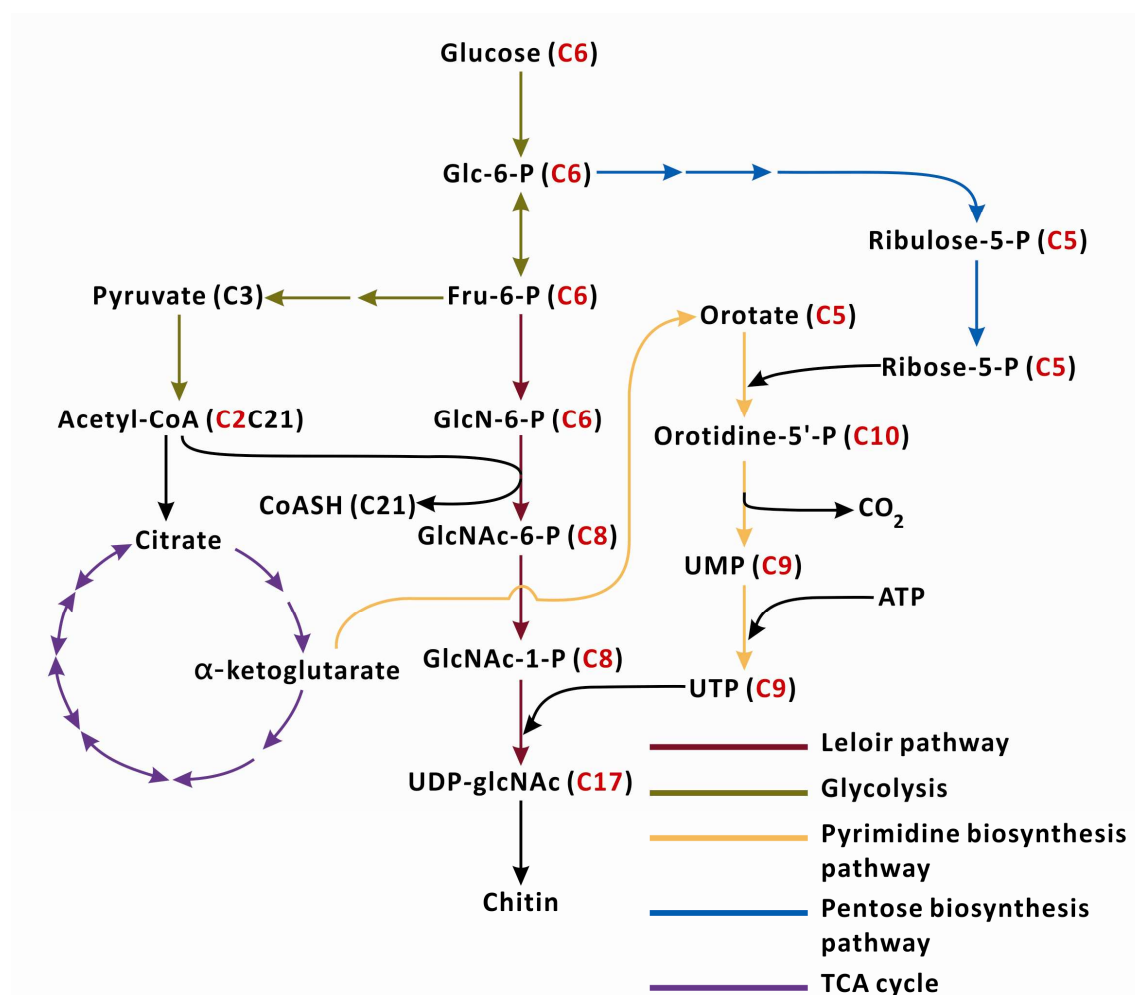


Figure S1. Biochemical pathways involved in the bio-labeling of UDP-GlcNAc in *N. crassa*. The model has been based on the canonical pathways: Leloir pathway, glycolysis, pyrimidine biosynthesis pathway, pentose biosynthesis pathway, and TCA cycle. Multiple arrows signify that several reactions are involved in the biotransformation of a given metabolite. (We have used the following review articles as references: (a) Radford, A. *Adv. Genet.* **2004**, 52, 165-207; (b) Milewski, S.; Gabriel, I.; Olchow, J. *Yeast* **2006**, 23, 1-14.) Based on this model, one should expect that the incorporation of ^{13}C into the glucose and acyl moieties is much faster than the labeling of the UDP component.