

SUPPLEMENTARY FILE 1. Metabolite-Transcript pairs with significant Pearson correlation levels [$\text{abs}(r) > 0.8$] under heat and cold stress conditions when metabolites were considered leading, that is, metabolite levels at time point t_i were correlated with transcript levels at time point t_{i+1} .

SUPPLEMENTARY FILE 2. Granger causality associations between all metabolites and cognate transcripts (encoding an enzyme for which the metabolite is either a substrate or a product) according to known metabolic pathways reported separately for heat and cold stress conditions and with both directions for a given metabolite-transcript pair.