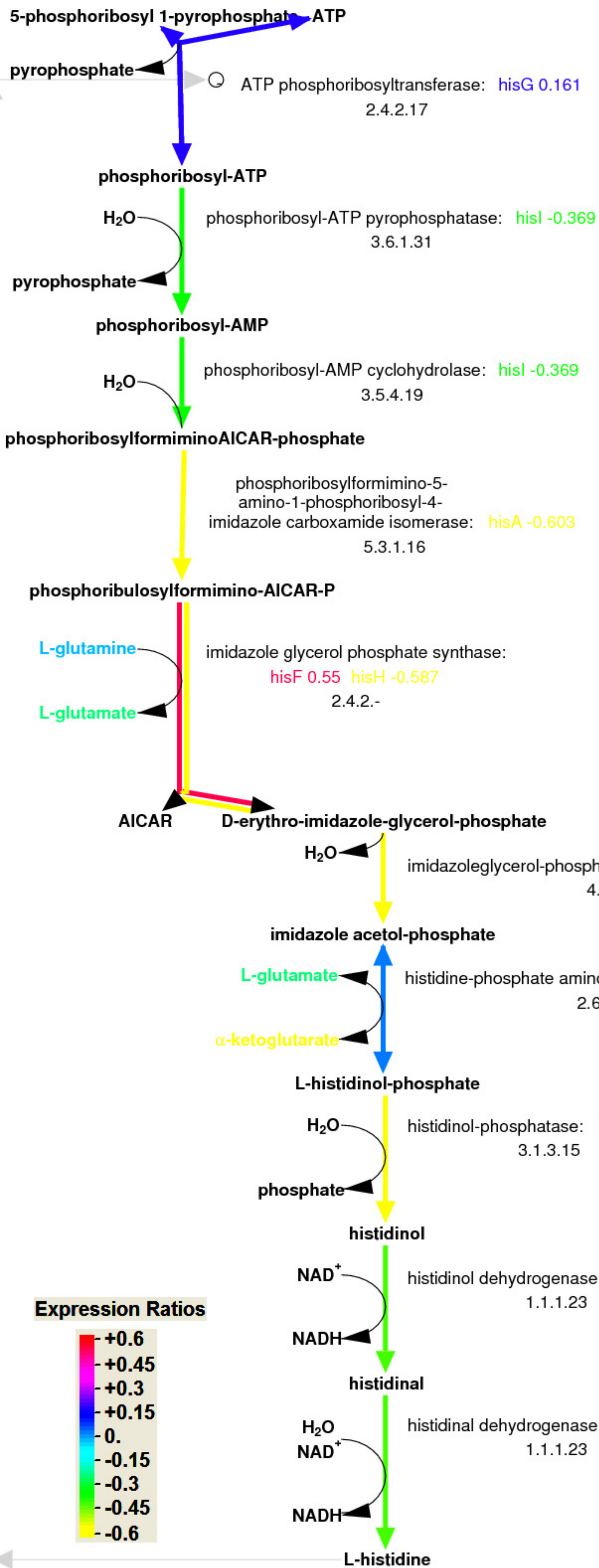
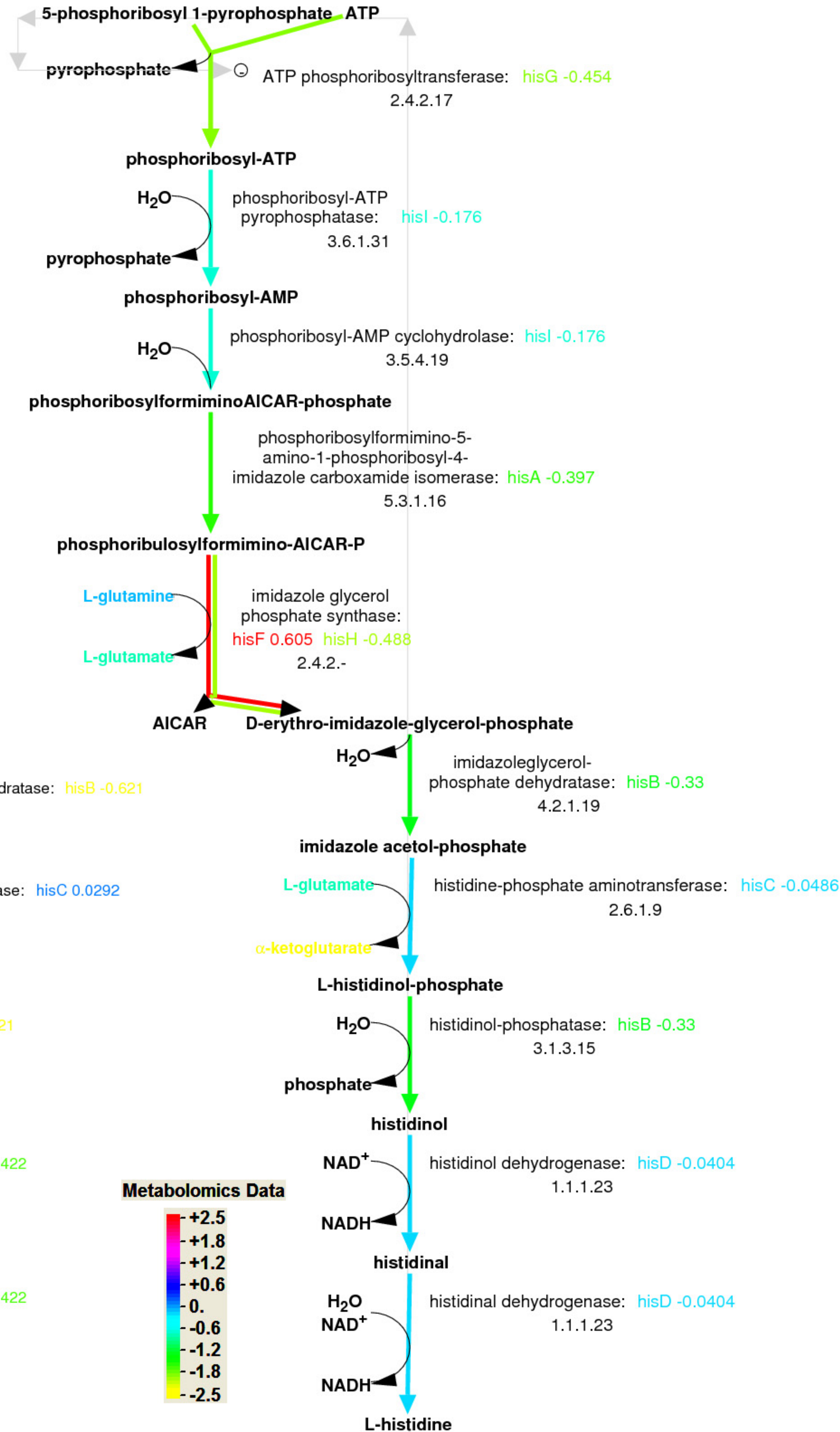


Histidine biosynthesis

A) MG Vs. MGAdp



B) DH Vs. DHAdp



Additional data file 9

Histidine biosynthesis pathway in excess-nutrient adapted strains. The gene expression level and the metabolite abundance level in the evolved strains compared to their ancestor lines are shown according to the \log_2 ratio scale shown in the inset (A- MG/MGAdp, B- DH/DHAdp). The reaction lines are colour-coded according to the relative values of the expression level of the gene that codes for the enzyme that catalyzes that reaction step. Metabolite names are colour-coded according to the relative abundance of the metabolite.