

Supplementary figures

Figure S1. Relative abundance of Phyla (A), Classes (B), Orders (C), Families (D), Genera (E) and Species (F) in each group of patients. P, Hp-Positive; FE, Fail eradication; N, Hp-Negative; SE, Successful eradication.

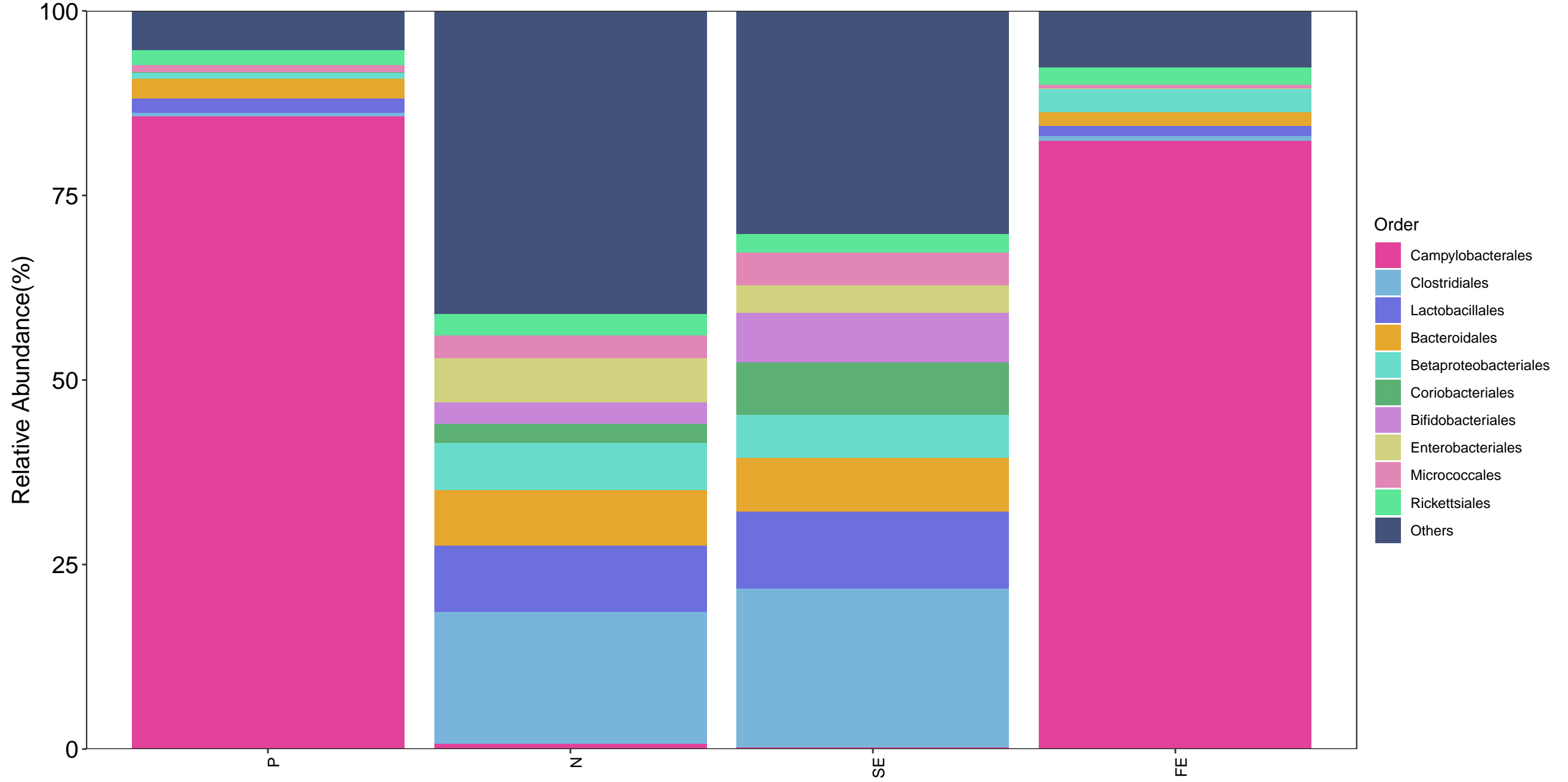
Figure S2. Associations of different taxa after *Helicobacter* reads were removed. The heatmaps show partial Spearman correlation coefficients between P and FE groups (A), between N and SE groups (B). P, Hp-positive; FE, Fail eradication; N, Hp-negative; SE, Successful eradication.

Figure S3. The normalised relative frequency of nitrate reductase and nitrite reductase in patients with chronic gastritis and gastric carcinoma is shown. (A) N-CG versus SE-CG. (B) N-AG versus SE-AG. (C) N-CG versus N-AG. (D) SE-CG versus SE-AG. Significance was considered for adjusted $P < 0.05$. N-CG, Hp-negative chronic gastritis; N-AG, Hp-negative atrophic gastritis; SE-CG, successful-eradication chronic gastritis; SE-AG, successful-eradication atrophic gastritis; NADH, nicotinamide adenine dinucleotide; NO, nitric oxide.

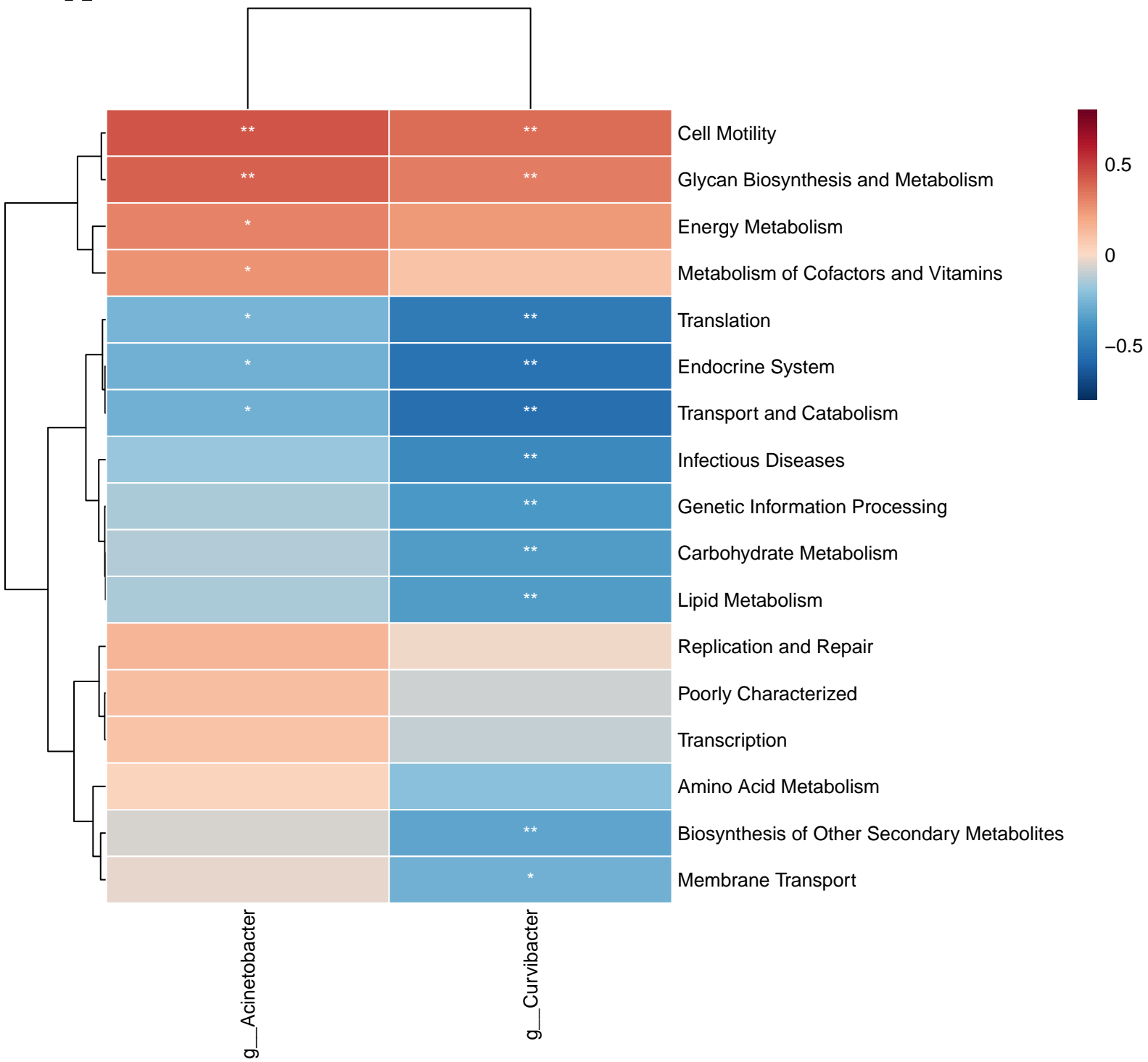
A



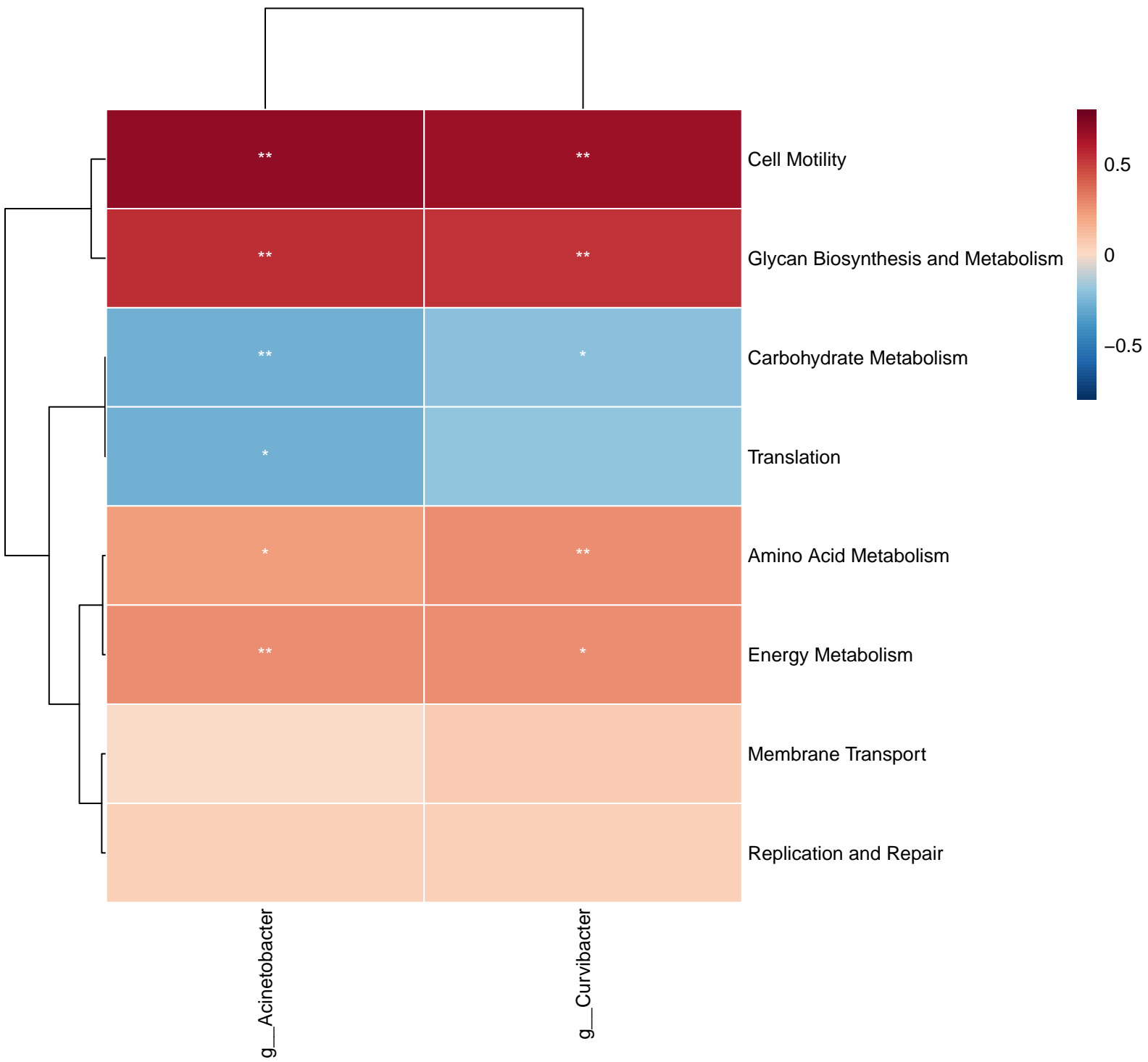
C



A



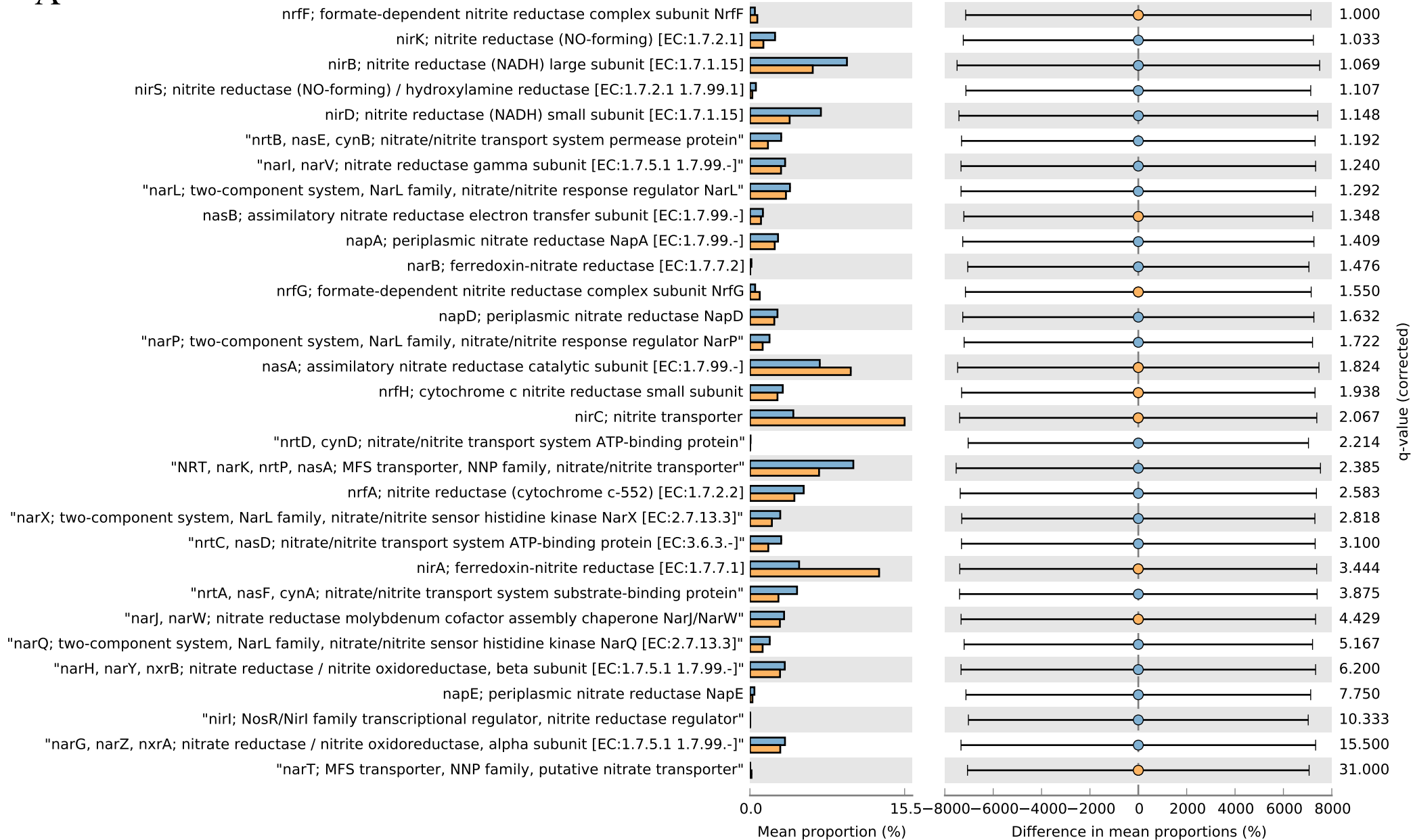
B



A

N_CG SE_CG

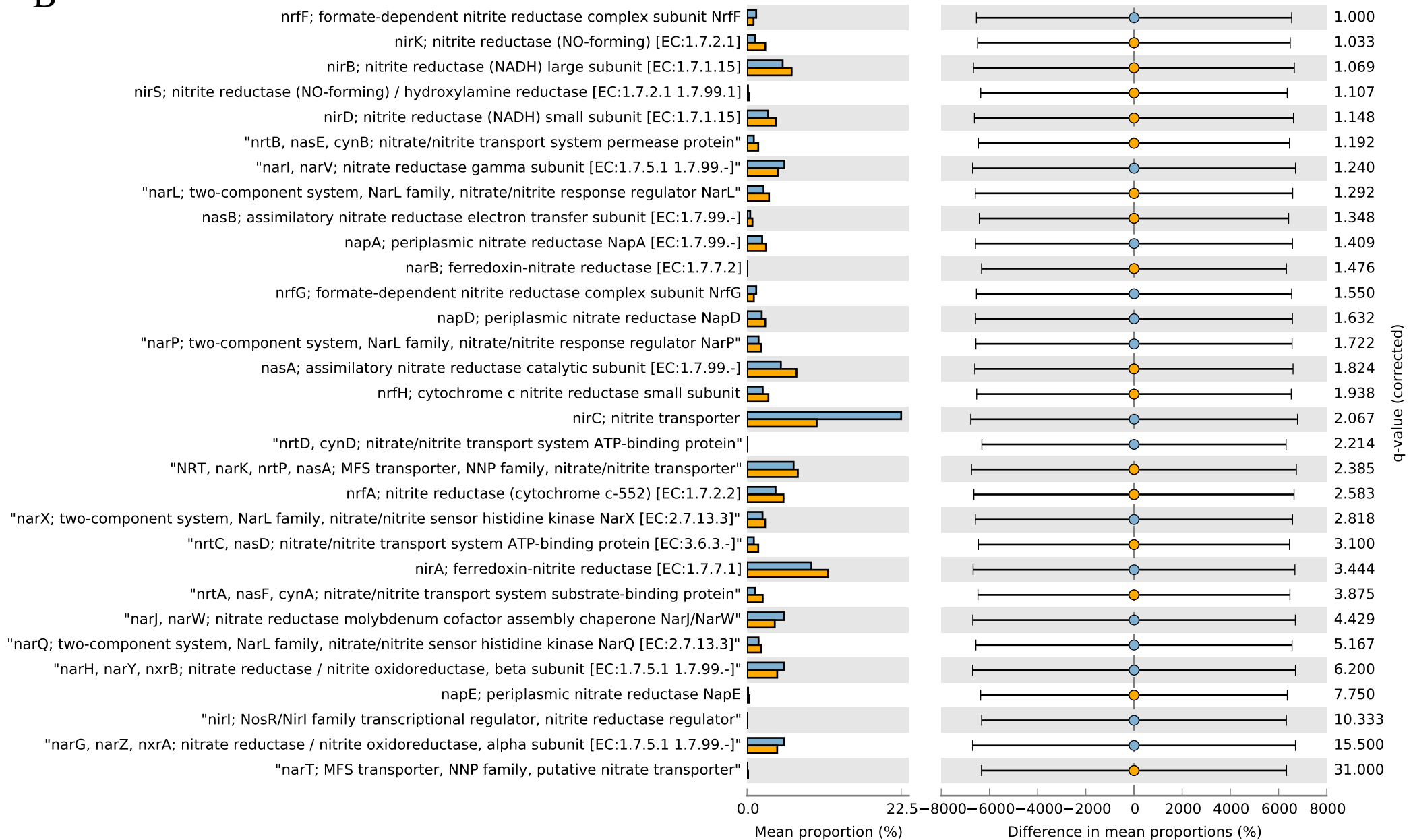
95% confidence intervals



B

N_AG SE_AG

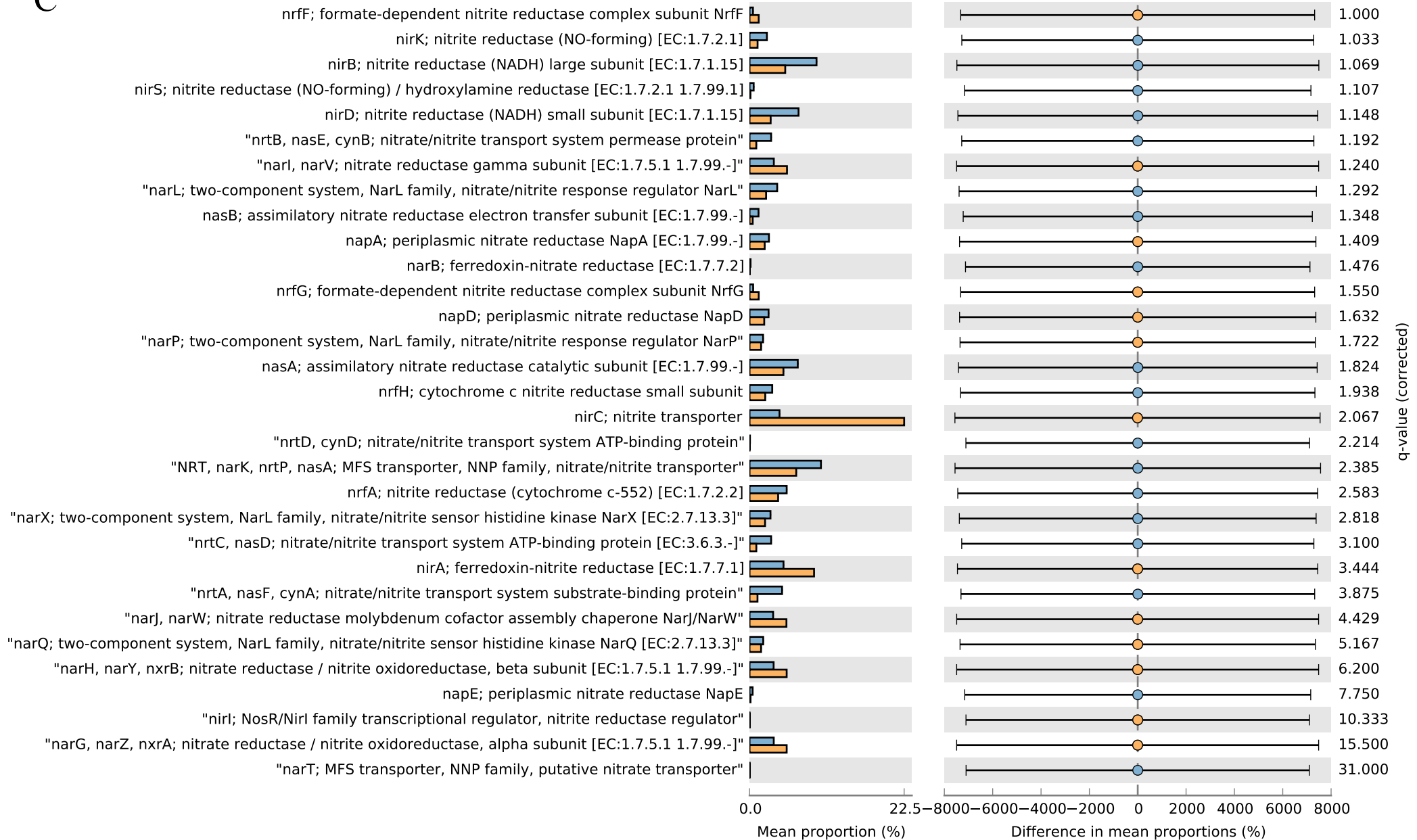
95% confidence intervals



C

N CG N_AG

95% confidence intervals



D

