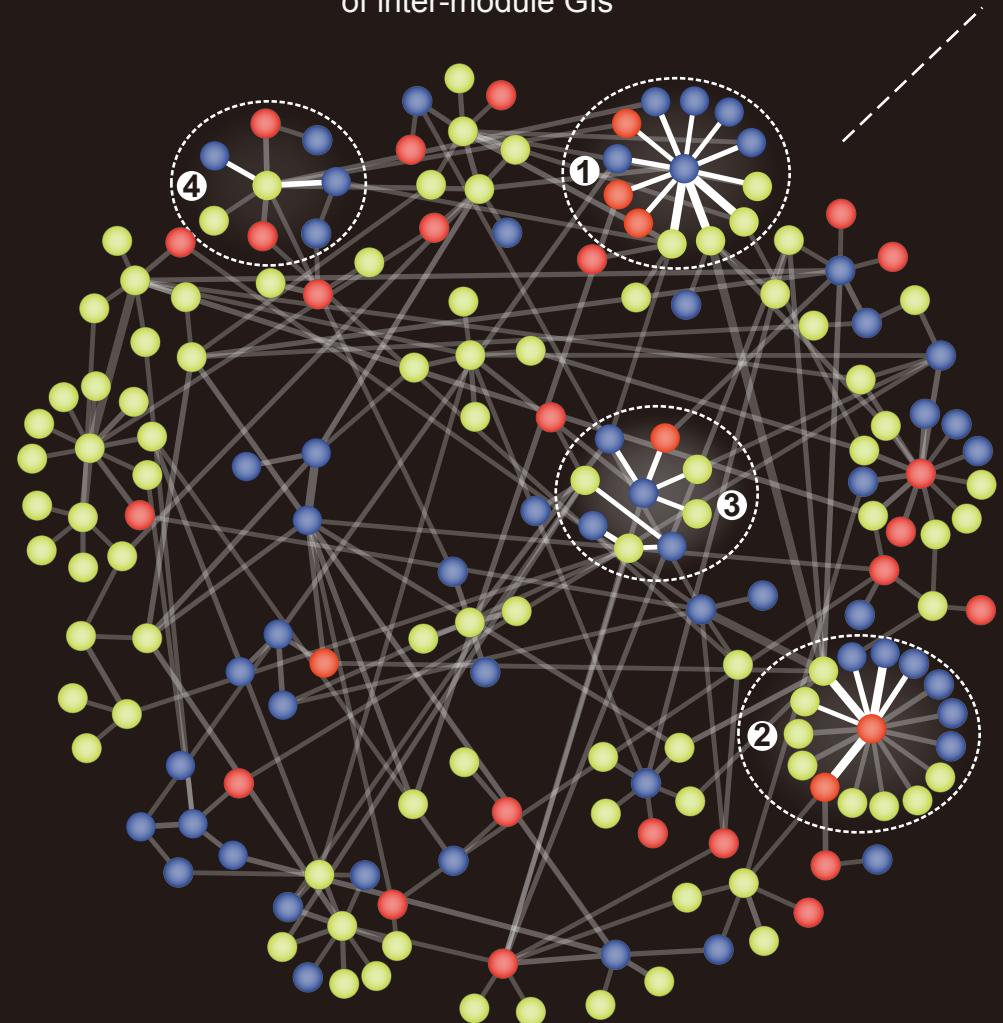


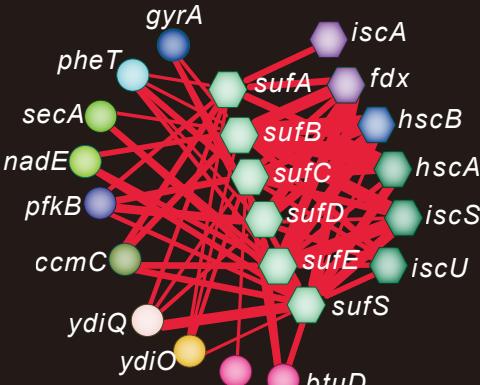
A

### Overview of the network of inter-module GIs

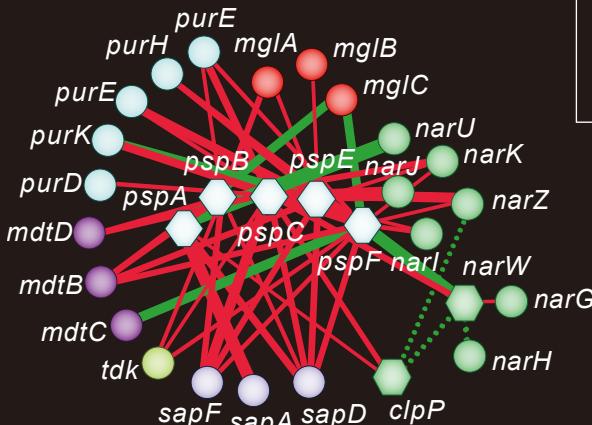


B

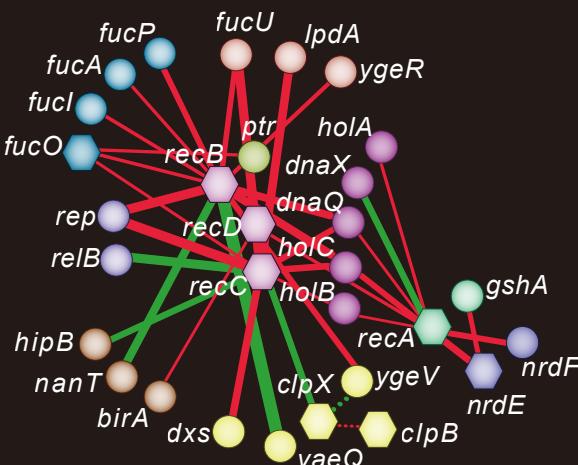
### ① Fe-S cluster biogenesis



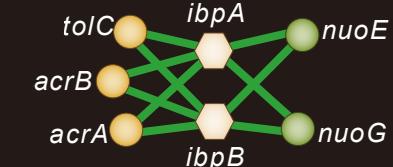
### ② Membrane stability



### ③ DNA stability and repair



### ④ small HSPs and efflux pumps



Inter-or intra-module GIs  
--- Intra (within)  
— Inter (between)

Donors and recipients in eSGA  
◇ Donor  
○ Recipient

GIs by type  
— Aggravating  
— Alleviating

Figure S4