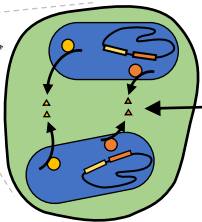
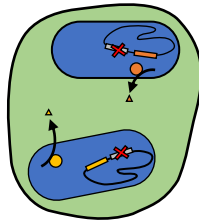


## Symbiont exploitation in *Candidatus Hodgkinia cicadicola*

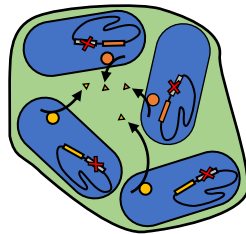


Amino acids

Symbionts provide amino acids within host crypt



Within-host competition leads to complementary gene loss



Larger symbiont populations required to maintain benefits