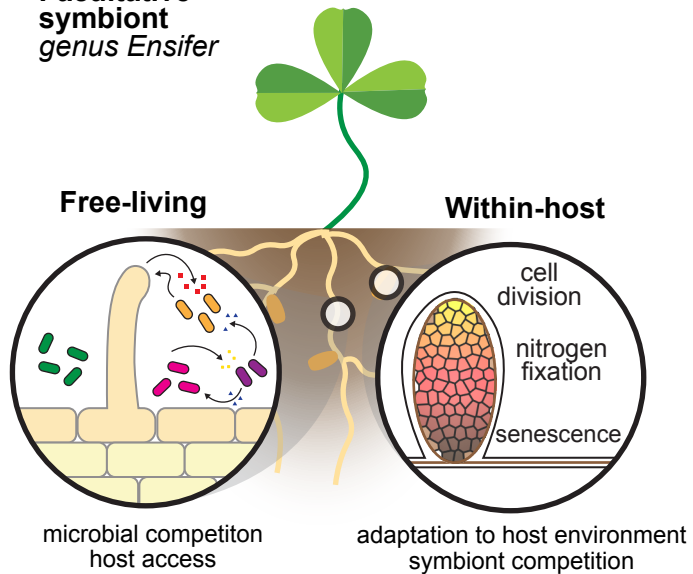
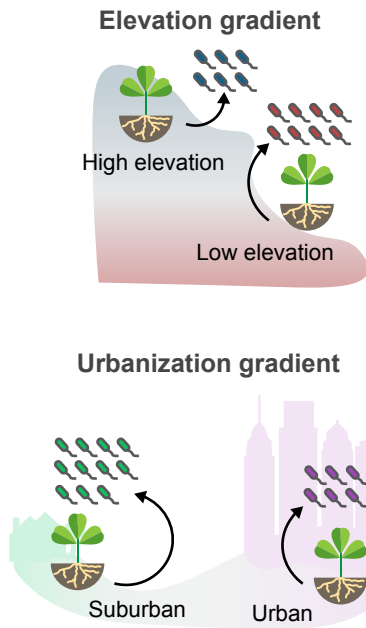


A

**Facultative
symbiont**
genus Ensifer

**B****C**

Free-living assays

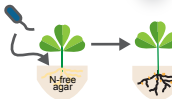


Within-host assays

Native host
Medicago lupulina



Novel host
Medicago sativa



Comparative genomics

**long-read
sequencing**

**de novo
assembled
genomes**

