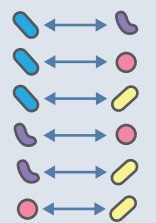


# A



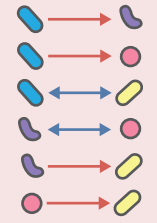
**No**, species coexistence is **predictable** from pairs

Both the community  
and all its pairs coexist



**Yes**, species coexistence is an **emergent** property

The community coexists  
but not all the pairs do



# B



isolation

dilution

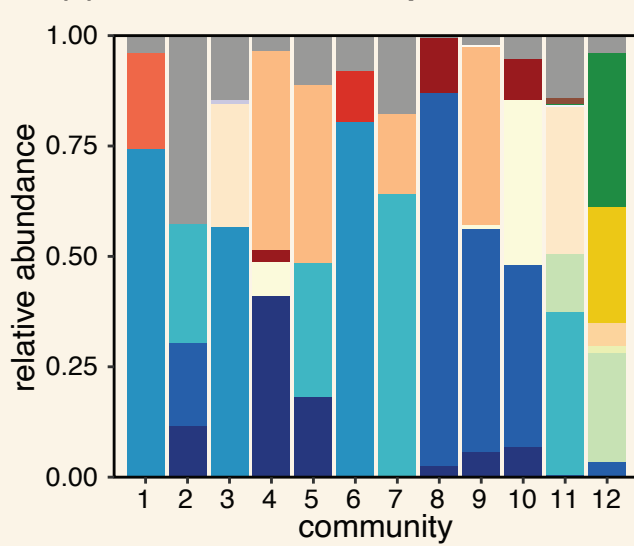
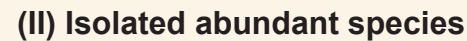
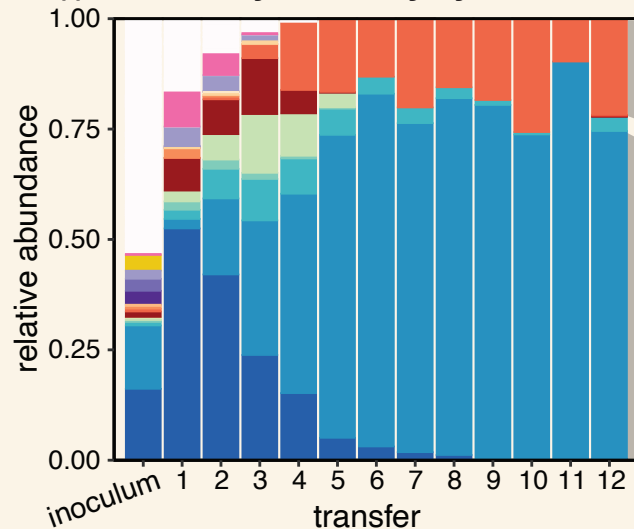
x12

community

**replicate identical  
abiotic environment**

pairs  
constitution

dilution



ESV equilibrium frequency

Predicted from frequency dependent selection ( $x^*$ )

0.00 0.25 0.50 0.75 1.00  
average of the last four transfers

- four communities in current study
- other 22 communities



Pseudomonas.10

invasion fitness

## Klebsiella

relative abundance


Enterobacteriaceae

- Citrobacter
- Enterobacteriaceae
- Klebsiella
- Raoultella
- Raoultella.1
- Salmonella
- Salmonella.1
- Yersinia

Aeromonadaceae  
 Aeromona

Moraxellaceae









- Acinetobacter.2
- Acinetobacter.3

caligenaceae  
 Bordete

☐ Other

■ Not isolated

Pseudomonadaceae

	Pseudomonas
	Pseudomonas
	Pseudomonas
	Pseudomonas
	Pseudomonas
	Pseudomonas
	Pseudomonas
	Pseudomonas

Comamonadaceae

- Comamonadaceae
- Comamonadaceae.1
- Comamonas.1
- Delftia
- Delftia.1