Microbe §

Pathogen

Clostridium botulin

(text here) Resistance:

- Ampicillin
- Tetracycline

This microbe is responsible for botulism, a kind of food poisoning





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Pathogen

Clostridium botulin

(text here) Resistance:

- Ampicillin
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Microbe {

Pathogen

 $Clostridium\ dificile$

When this species is in play you cannot play any "beneficial only" microbes Resistance:

- Kanamycin
- Tetracycline

Antiobiotic-resistant C. dificile is an increasing problem in hospitals



-2



Pathogen

Clostridium dificile

When this species is in play you cannot play any "beneficial only" microbes Resistance:

- Kanamycin
- Tetracycline

Antiobiotic-resistant C. dificile is an increasing problem in hospitals





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Pathogen

Yersinia pestis (plague)

(text here) Resistance:

• Kanamycin

This is the microbe responsible for bubonic plague





Pathogen Yersinia pestis (plague)

(text here) Resistance:

• Kanamycin

This is the microbe responsible for bubonic plague







Pathogen

Salmonella enterica

(text here) Resistance:

• Ampicillin

A common souce of food poisoning, often associated with poultry





robe

Pathogen

Salmonella enterica

(text here) Resistance:

• Ampicillin

A common souce of food poisoning, often associated with poultry



-2

crobe

Opportunistic

Lactobacillus reuteri

Synthesizes vitamin B12 Not resistant

Humans are unable to synthesize this vitamin alone

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Microbe &

Opportunistic

Lactobacillus reuteri

Synthesizes vitamin B12 Not resistant

Humans are unable to synthesize this vitamin alone



crobe

Opportunistic

 $Bifidobacterium \ longum$

Synthesizes vitamin B1 (thiamine) Not resistant

Humans are unable to synthesize this vitamin alone



Vicrobe

Opportunistic

Bifidobacterium longum

Synthesizes vitamin B1 (thiamine) Not resistant

Humans are unable to synthesize this vitamin alone



dicrobe (

Opportunistic

Escherichia coli

Synthesizes vitamin K Not resistant

E. coli is normally an important part of your gut microbiome



crobe

Opportunistic

Escherichia coli

Synthesizes vitamin K Not resistant

E. coli is normally an important part of your gut microbiome



//dicrobe {

Opportunistic

Bug Op 4

If you have less than 3 microbes in your beneficial zone at end of turn, this becomes a pathogen immediately. Return to beneficial area once you have 3 microbes there. Not resistant

Some bacteria are like teenagers, they go out of control without supervison





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Opportunistic

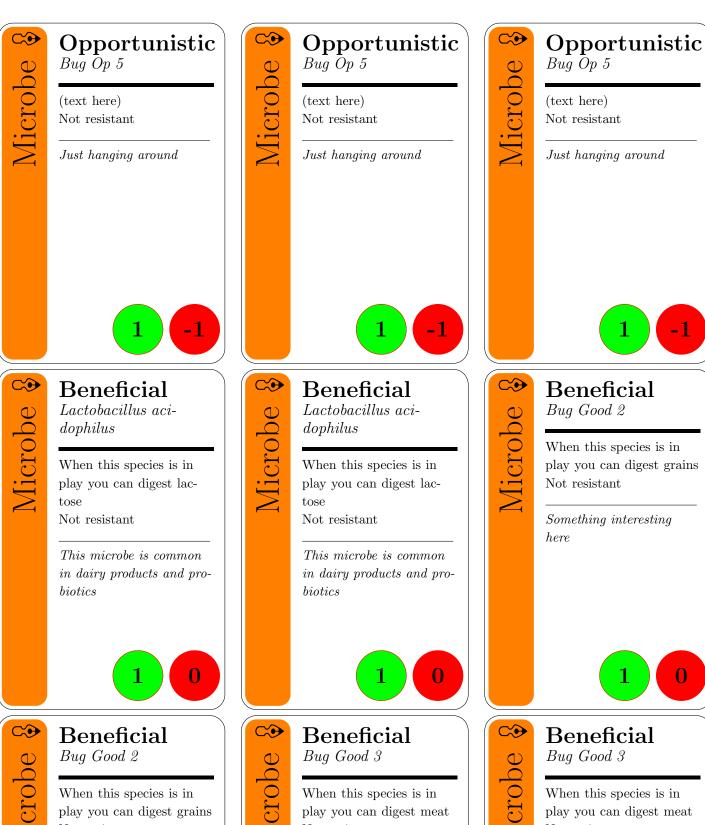
Bug Op 4

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Some bacteria are like teenagers, they go out of control without supervison



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Not resistant

Something interesting here

Not resistant

Something interesting here

Not resistant

Something interesting here





Prebiotics

This card allows you to play an additional microbe this turn

Prebiotics are nondigestable compounds that stimulate bacterial growth or activity



Prebiotics

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Prebiotics are nondigestable compounds that stimulate bacterial growth or activity

1 0

Prebiotics

This card allows you to play an additional microbe this turn

Prebiotics are nondigestable compounds that stimulate bacterial growth or activity





Steak

If you have the ability to digest meat, gain 2 health immediately for each microbe with that ability.

"Beef it's what's for dinner"



\bullet Bread

If you have the ability to digest grains, gain 2 health immediately for each microbe with that ability.

Not Wonder Bread

2 0

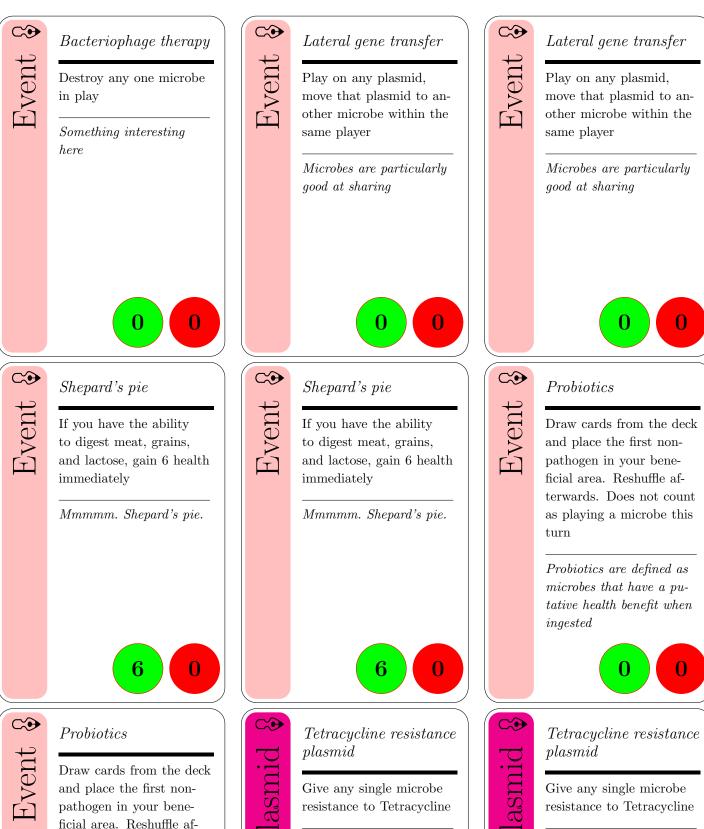
Bread

If you have the ability to digest grains, gain 2 health immediately for each microbe with that ability.

Not Wonder Bread

2 0



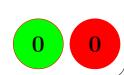


terwards. Does not count as playing a microbe this turn

Probiotics are defined as microbes that have a putative health benefit when ingested

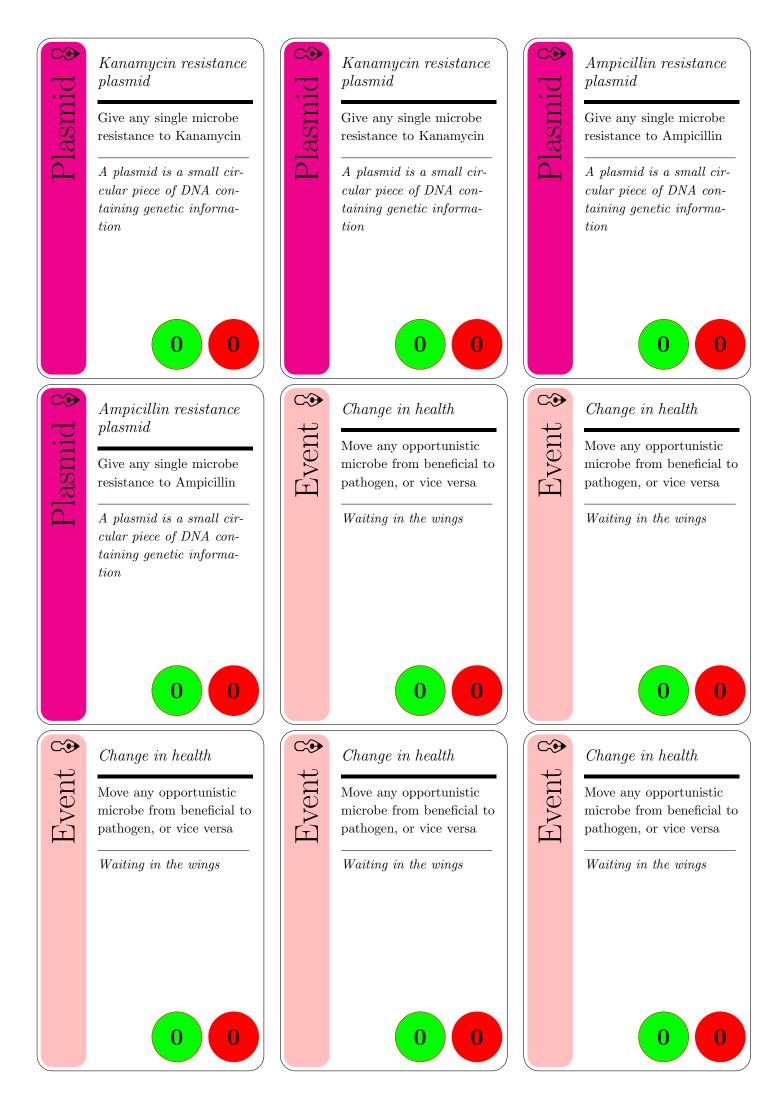


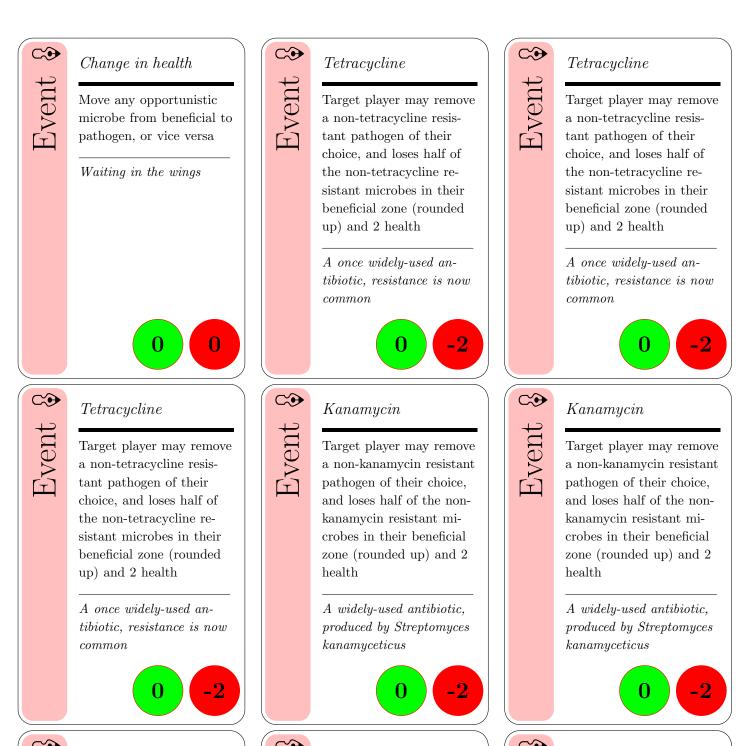
A plasmid is a small circular piece of DNA containing genetic information



A plasmid is a small circular piece of DNA containing genetic information







Event

Kanamycin

Target player may remove a non-kanamycin resistant pathogen of their choice, and loses half of the nonkanamycin resistant microbes in their beneficial zone (rounded up) and 2 health

A widely-used antibiotic, produced by Streptomyces kanamyceticus

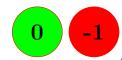


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Ampicillin

Target player may remove a non-ampicillin resistant pathogen of their choice, and loses half of the nonampicillin resistant microbes in their beneficial zone (rounded up) and 1 health

An antibiotic from the penicillin family



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Ampicillin

Target player may remove a non-ampicillin resistant pathogen of their choice, and loses half of the nonampicillin resistant microbes in their beneficial zone (rounded up) and 1 health

An antibiotic from the penicillin family

