



Lysogen

Advantages:

Stable vertical inheritance and minimal cost to host cell

Disadvantages:

Susceptible to deletion by HR or lysis by other prophage in polylysogens

Pseudolysogen

Advantages:

Resistant to deletion by HR

Disadvantages:

Potential loss from daughter cells after division and susceptible to lysis by other prophage

Virion

Advantages:

Potential transmission to other hosts and lysis of other prophage in polylysogens

Disadvantages:

No vertical inheritance and low stability in the extracellular environment