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Dynamics of HIV-1 coinfection in different susceptible target cell populations during cell-free infection

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## Highlights

- We built an ordinary differential equation model incorporating the heterogeneity of target cell populations in cell culture during cell-free infection.
- We found that dividing cell population into two subpopulations with different susceptibilities could explain our HIV-1 coinfection experimental data.
- We revealed that around 98% of the coinfecting cells emerged from the most susceptible target cell subpopulation.

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