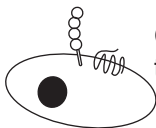
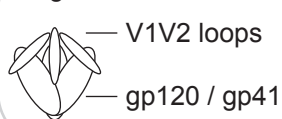


# Additional File 13

Legend:



↑ Efficient Target Cell Infection

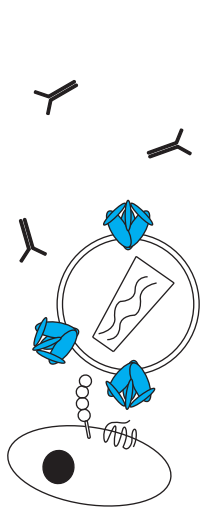
↓ No Target Cell Infection

**A**

No Neutralizing Abs Present

Free Virus Infection: ↑

Cell-Cell Transmission: ↑

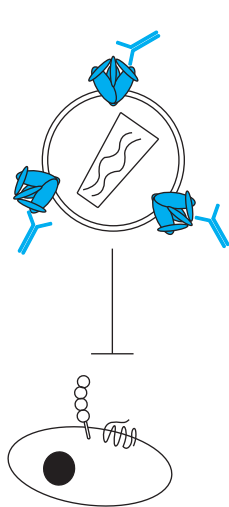


**B**

Neutralizing Ab Response

Free Virus Infection: ↓

Cell-Cell Transmission: ↘

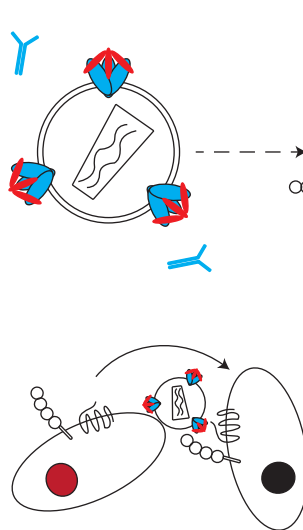


**C**

Neutralization Escape via Mutations in V1V2

Free Virus Infection: ↘

Cell-Cell Transmission: ↗



**D**

Evolution of Compensatory Mutations

Free Virus Infection: ↑

Cell-Cell Transmission: ↑

