Specific introduction:

Talking about hotspot vs dilution, various things that influence the dynamics of a disease’s transmission route. How Bee viruses are a perfect system to study this. Parameter derivation and Importance of CA models. Specific questions and hypotheses

Methods:

*Remaining Work:*

***Preliminary Findings***

Figures: CA figure, temporal figure, table with parameters

**References:**

Schmidt, K. A. and Ostfeld, R. S. (2001). BIODIVERSITY AND THE DILUTION EFFECT IN DISEASE ECOLOGY. Ecology, 82: 609-619.

Hébert-dufresne, L., & Althouse, B. M. (2015). Complex dynamics of synergistic coinfections on realistically clustered networks, *112*(33), 1–6.

Ostfeld, R. S., & Keesing, F. (2012). Effects of Host Diversity on Infectious Disease, 157–184. http://doi.org/10.1146/annurev-ecolsys-102710-145022