

OrNV Transmission Experiment

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  author = {Grasela, James and Moore, Aubrey},  
  date = {2020},  
  url = {https://github.com/aubreymoore/OrNV-Transmission/blob/master/ornv-transmission.pdf}  
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This experiment was performed to determine if OrNV isolate V23B can be transmitted from a dosed CRB adult to an undosed CRB adult.

1 Materials and Methods

1.1 Beetles

1.2 Virus

Beetles were dosed per os with ca. 30 microlitre V23B virus preparation of unknown concentration (AgResearch, New Zealand).

1.3 Experimental design

To test for virus transmission, beetles were selected at random and assigned to 45 pairs with a male and a female in each pair. These pairs were housed in Mason jars half filled with moist peat moss. The jars were held under standard rearing conditions in an environmental chamber: 30 deg C; 80% RH; 12h photoperiod. At the start of the bioassay, the beetle pairs were randomly placed in 3 treatment groups of 15 jars each.

2 Results

Table 1: caption

Treatment group	Treatment
Jars labeled C1 through C15	Experimental control; neither beetle was dosed
Jars labeled TF1 through TF15	Female was dosed with virus; male was not dosed
Jars labeled MF1 through MF15	Female was dosed with virus; male was not dosed

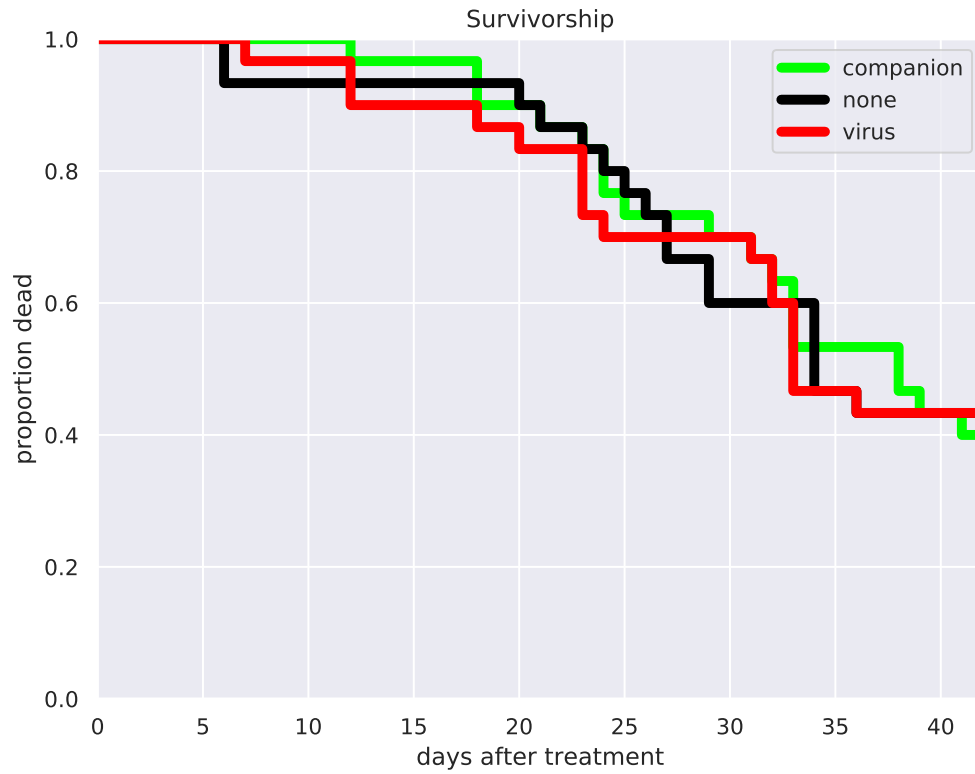


Figure 1: Caption

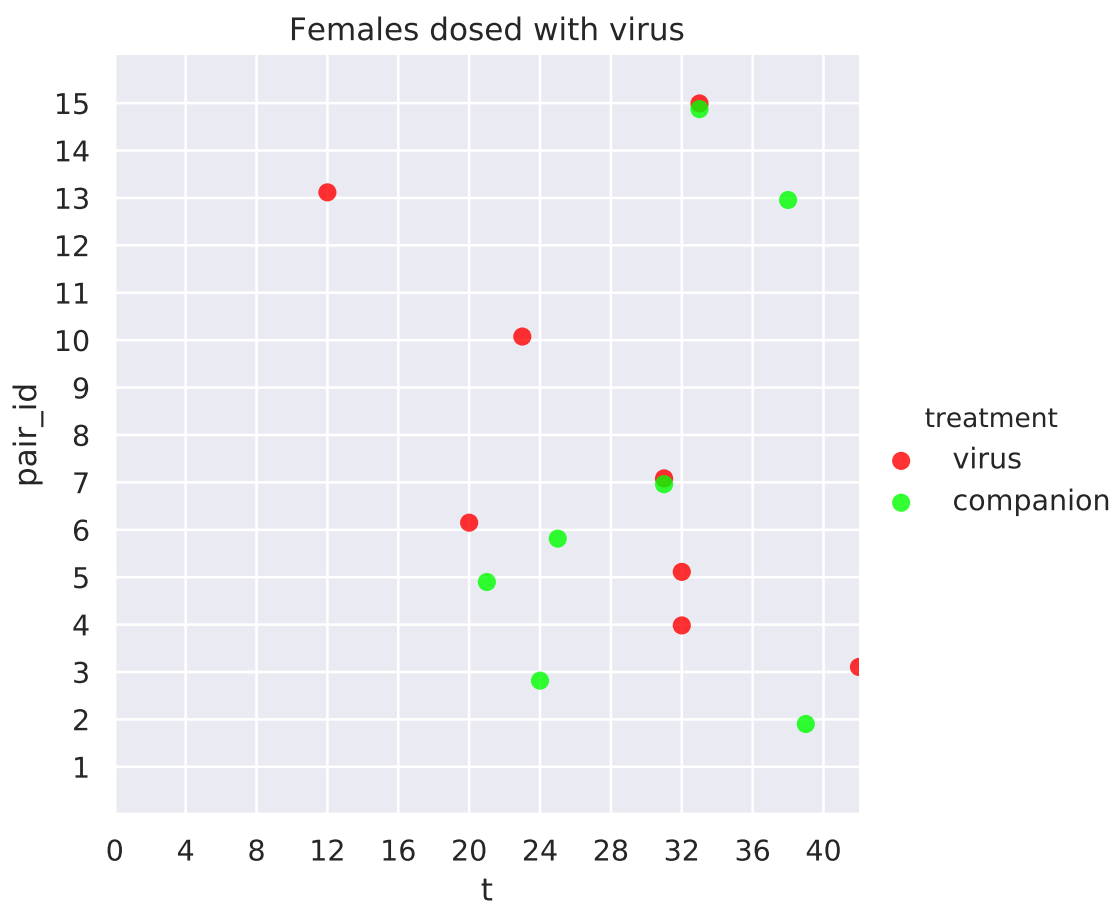


Figure 2: Caption

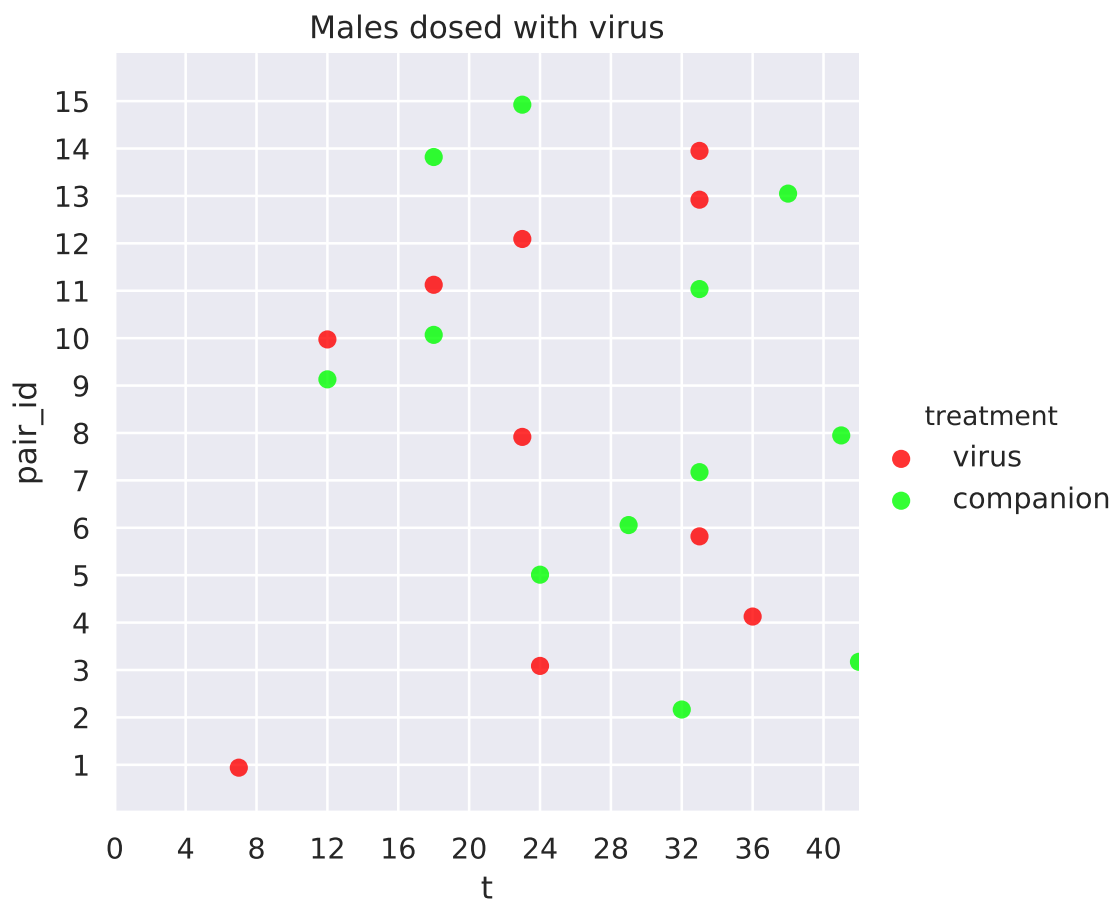


Figure 3: Caption