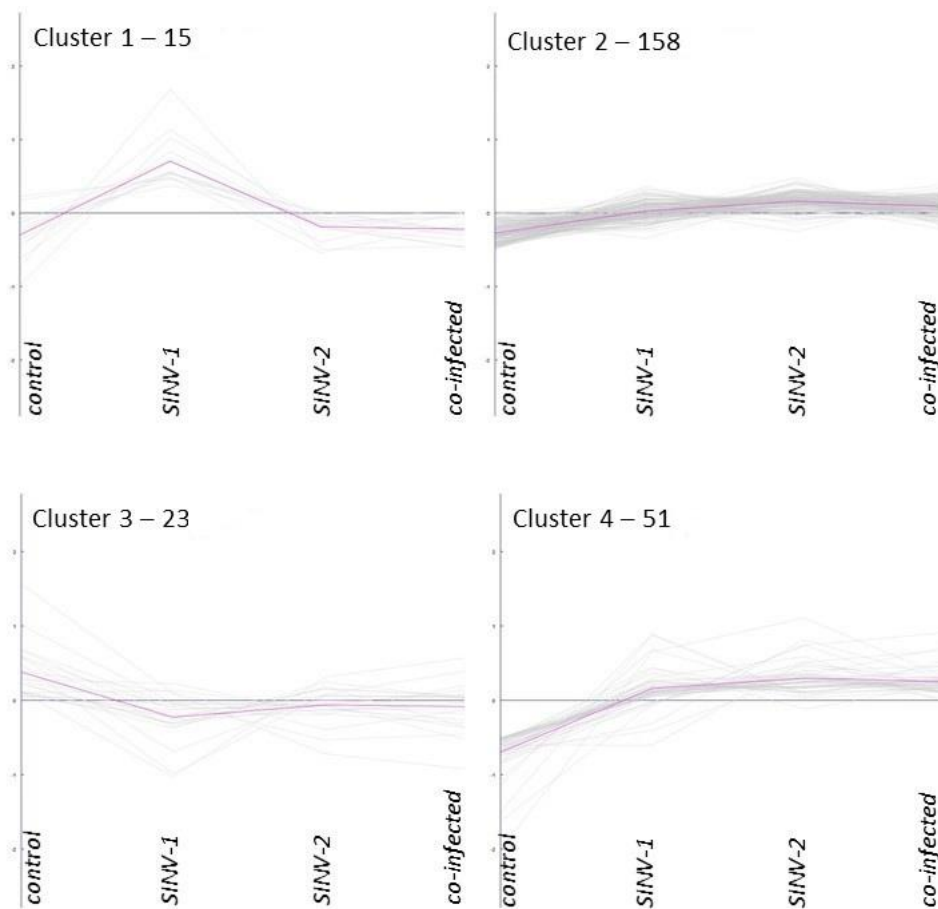


**Dynamic changes in host-virus interactions associated with colony founding and social environment in fire ant queens (*Solenopsis invicta*)**

Fabio Manfredini, DeWayne Shoemaker, Christina M. Grozinger; *Ecology and Evolution*



**Figure S3.** K-means clustering analysis of significantly differentially expressed transcripts. K-means clustering analysis was performed on the 247 transcripts that were significantly differentially expressed ( $FDR < 0.05$ ) in at least one of the pairwise comparisons across treatment groups. Genes were grouped in four clusters according to their pattern of expression across the four treatments, i.e. control, SINV-1, SINV-2 and co-infected. **Cluster 1:** 15 transcripts that were up-regulated in SINV-1 and down-regulated in all other groups; **cluster 2:** 158 transcripts that were up-regulated in SINV-2; **cluster 3:** 23 transcripts that were up-regulated in control and down-regulated everywhere else; **cluster 4:** 51 transcripts that were up-regulated in all infected queens.