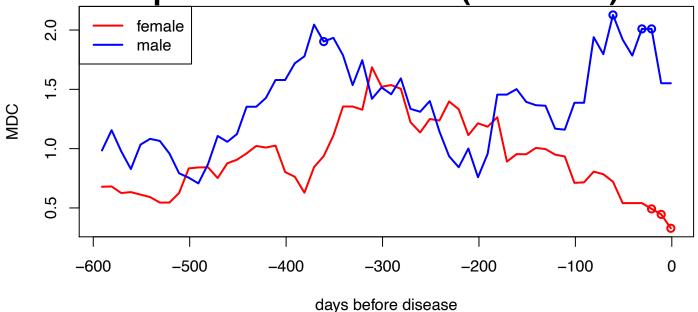
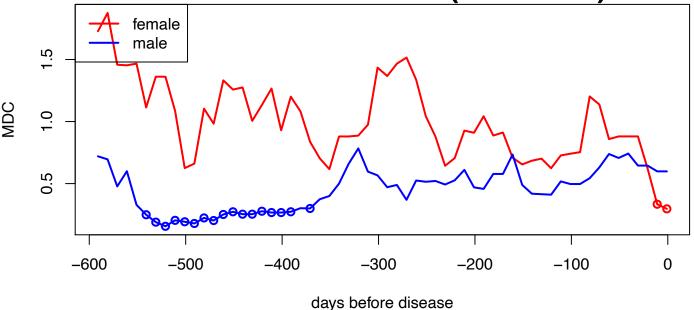
Supplementary Figure 1: Dynamic changes in connectivity for all modules. Module Differential Connectivity (MDC) over time in intervals of 10 days. Solid points indicate a significant difference between cases and controls (FDR<0.05). MDC in females is shown in red, MDC in males is shown in blue.

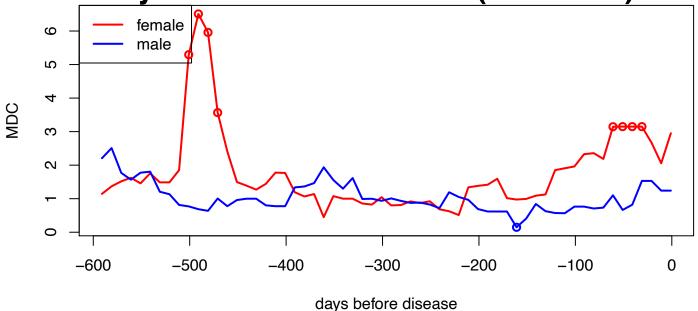
pink MDC over time (cases/ctr)



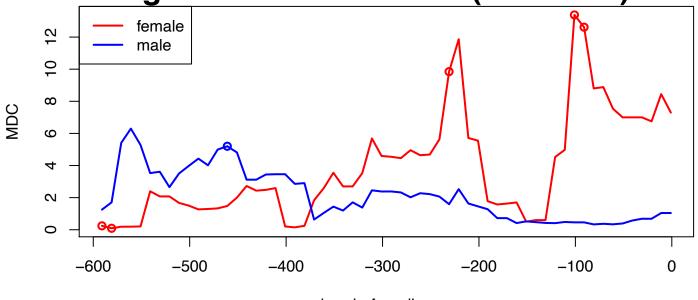
red MDC over time (cases/ctr)



yellow MDC over time (cases/ctr)

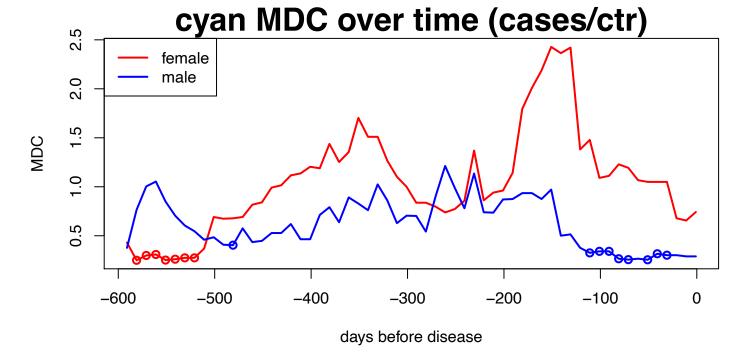


green MDC over time (cases/ctr)

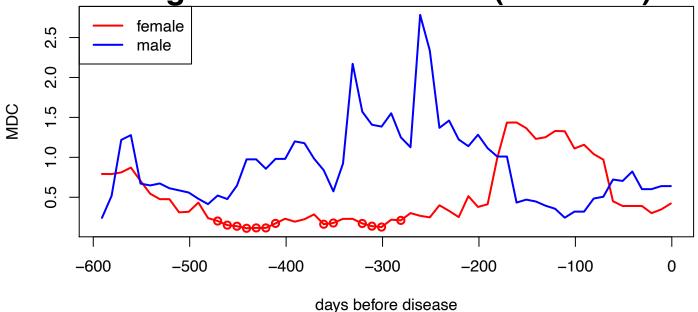


days before disease

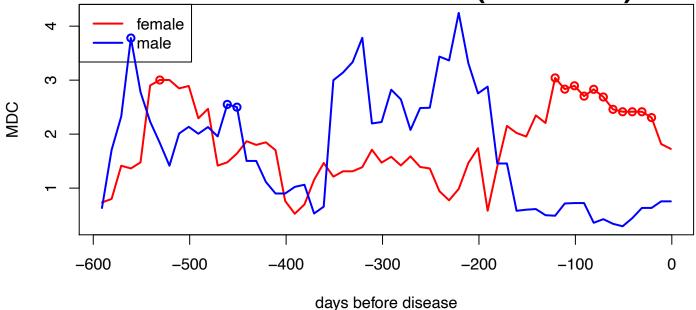
greenyellow MDC over time (cases/ctr) ∞ female male 9 4 α 99999 0 -600-500-400-300 -200 -100



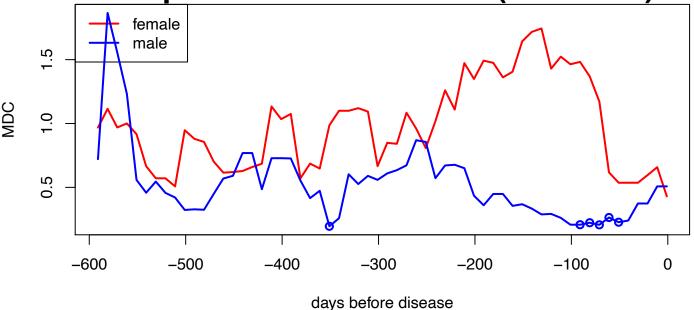
magenta MDC over time (cases/ctr)



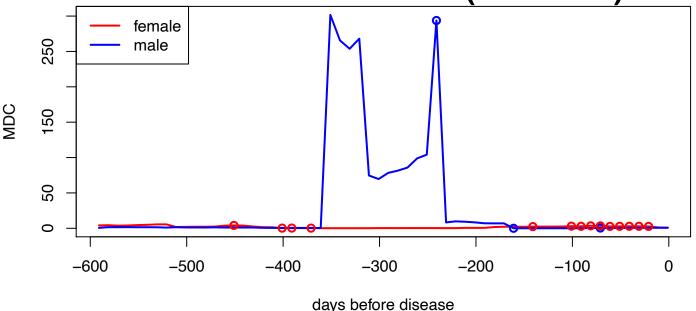
brown MDC over time (cases/ctr)



turquoise MDC over time (cases/ctr)



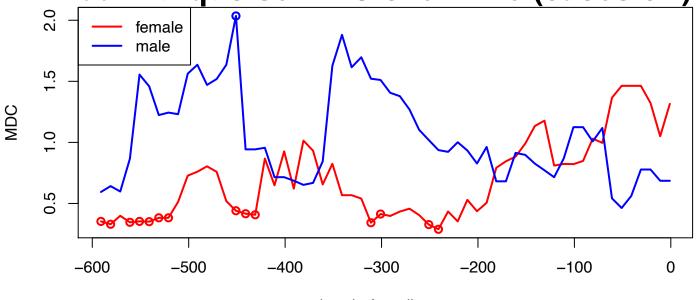
black MDC over time (cases/ctr)



blue MDC over time (cases/ctr) 3.0 female male 2.5 MDC 1.5 0.5 -600 -500 -400 -300 -200 -100

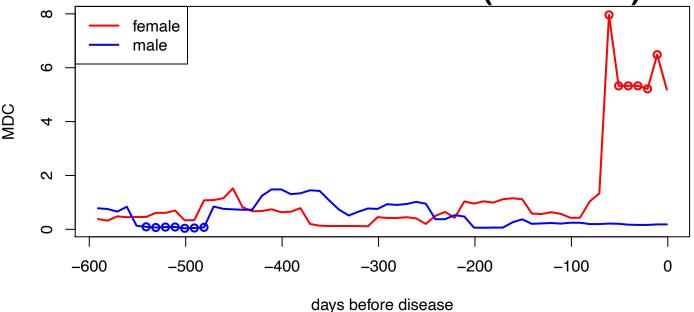
purple MDC over time (cases/ctr) female male ∞ MDC 9 α 0 -600 -500 -400-300 -200-100

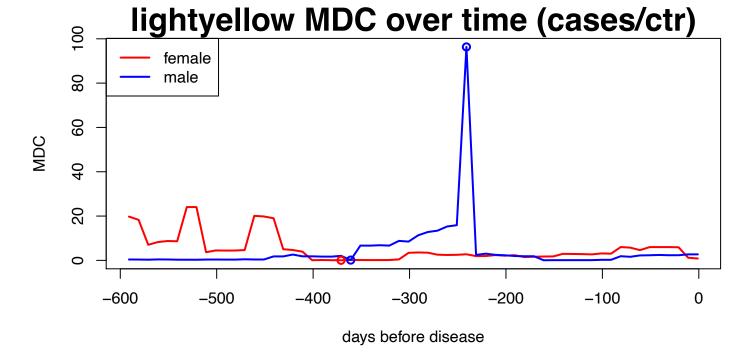
darkturquoise MDC over time (cases/ctr)



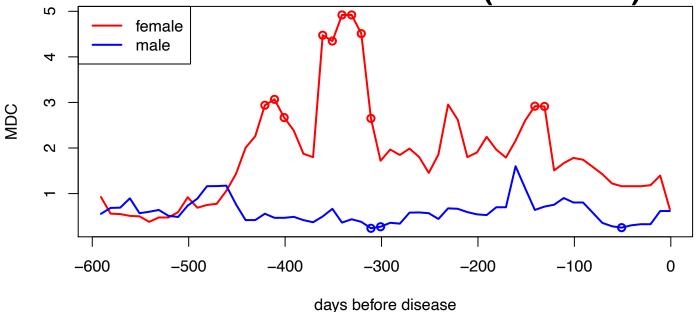
midnightblue MDC over time (cases/ctr) female 9 male 2 MDC 4 က α -600-500-400-300 -200-100

darkred MDC over time (cases/ctr)

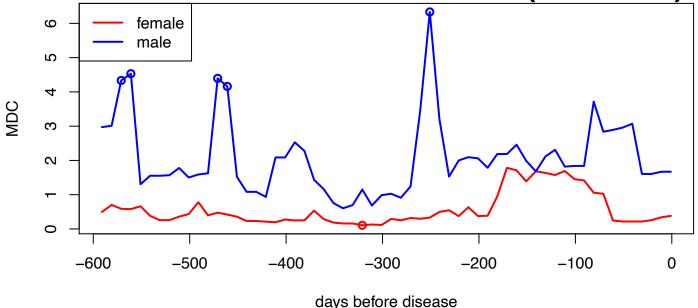




salmon MDC over time (cases/ctr)



saddlebrown MDC over time (cases/ctr)



darkgreen MDC over time (cases/ctr) 4 female male က α

days before disease

-300

-200

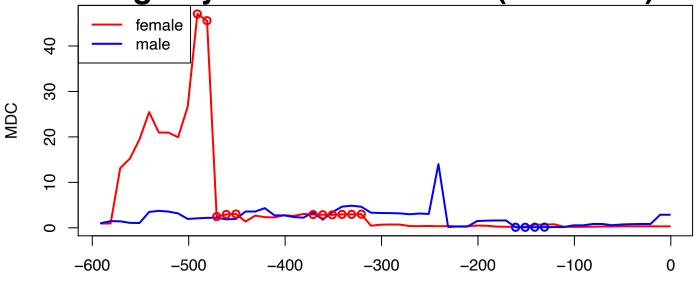
-100

-600

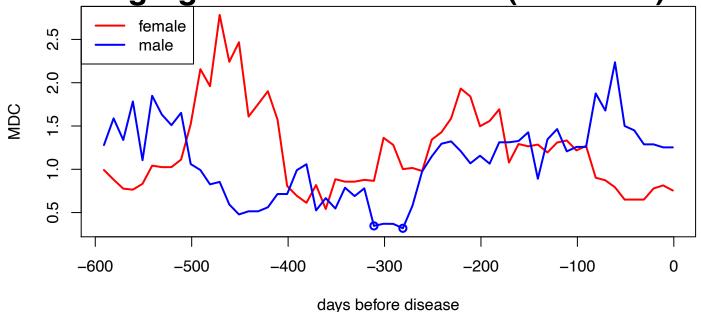
-500

-400

lightcyan MDC over time (cases/ctr)

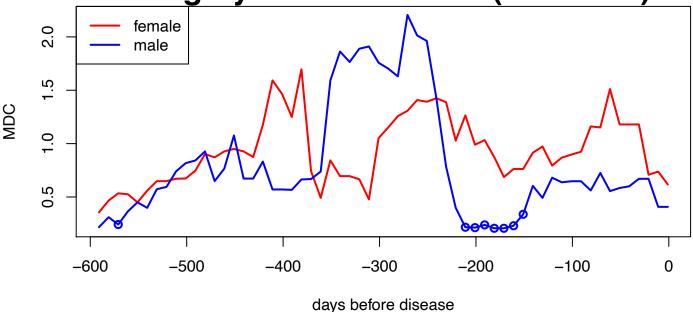


lightgreen MDC over time (cases/ctr)



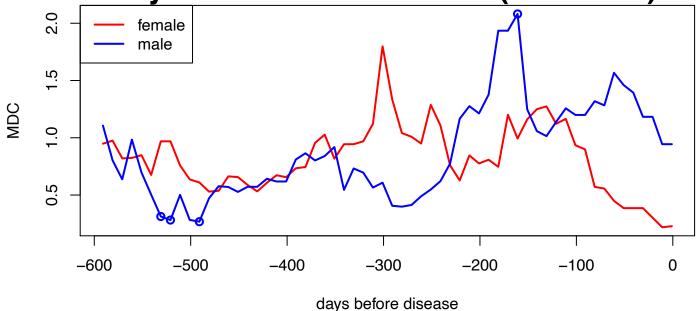
grey60 MDC over time (cases/ctr) female male 1.5 MDC 0.5 -600 -500-400-300 -200-100

darkgrey MDC over time (cases/ctr)



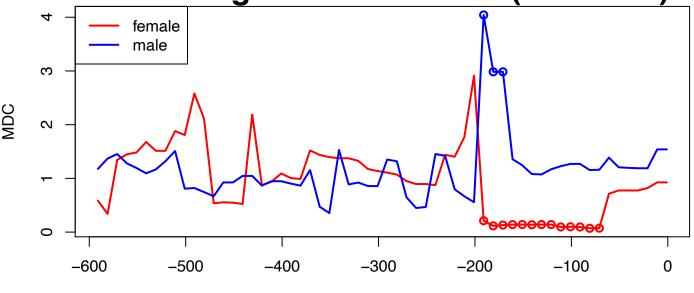
tan MDC over time (cases/ctr) 2.5 female male 2.0 1.5 MDC 1.0 0.5 99996 -600 -500 -300 -400-200-100days before disease

royalblue MDC over time (cases/ctr)



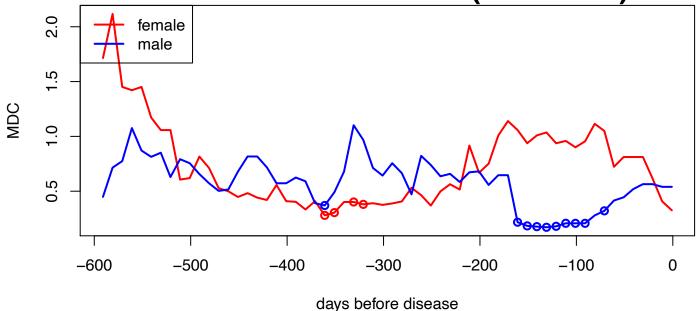
paleturquoise MDC over time (cases/ctr) female male ∞ 9 MDC α 0 -600-500-400-300 -200-100

darkorange MDC over time (cases/ctr)

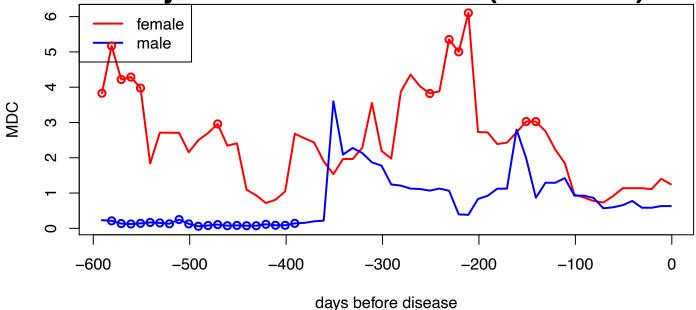


yellowgreen MDC over time (cases/ctr) female 3.0 male 2.0 0.0 -600-500-400-300 -200-100

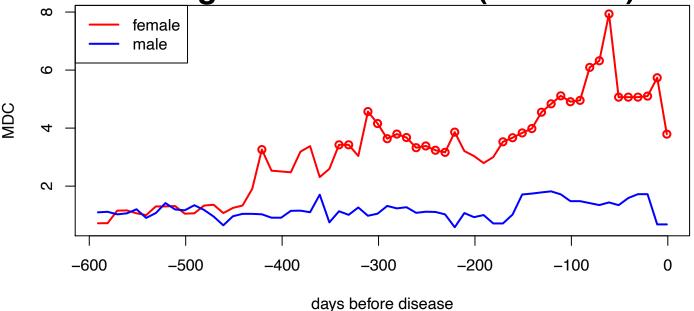
violet MDC over time (cases/ctr)



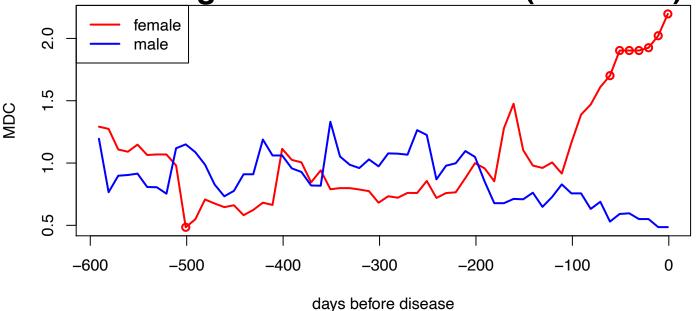
skyblue MDC over time (cases/ctr)

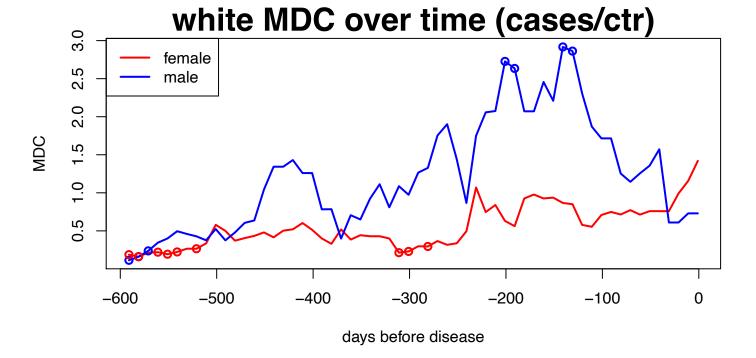


orange MDC over time (cases/ctr)

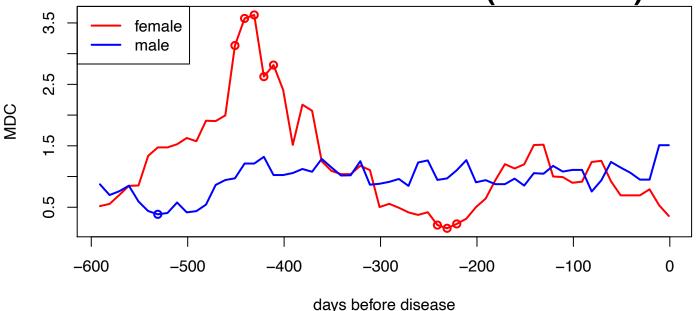


darkmagenta MDC over time (cases/ctr)

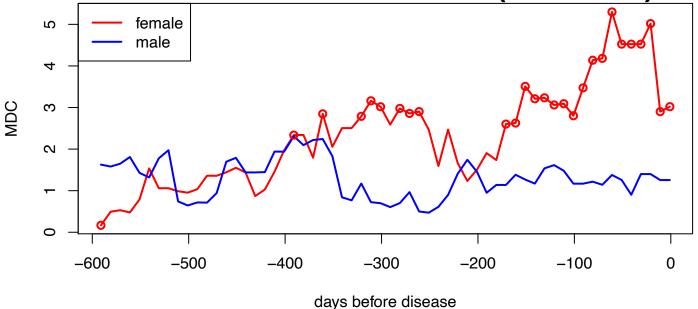




sienna3 MDC over time (cases/ctr)



steelblue MDC over time (cases/ctr)



darkolivegreen MDC over time (cases/ctr) female male 1.5 MDC -600 -500-400-300 -200-100