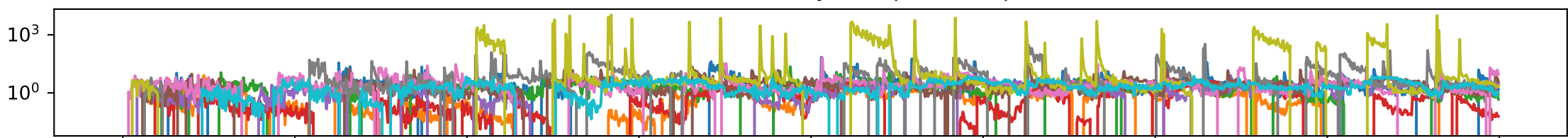
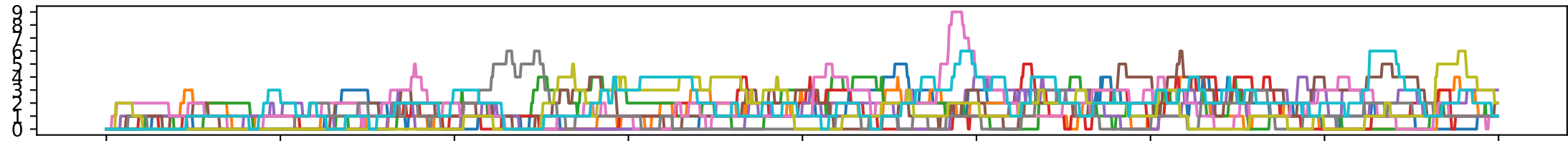
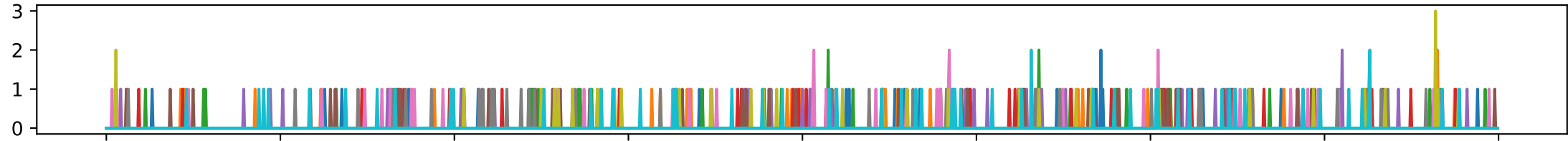
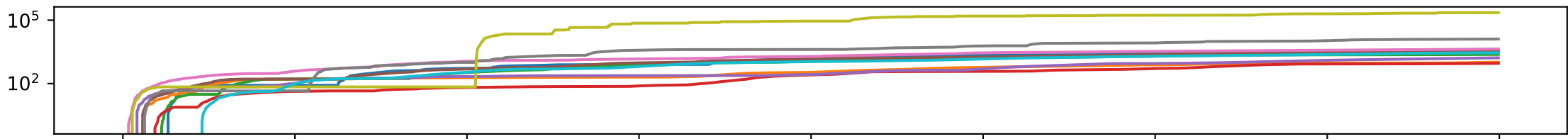
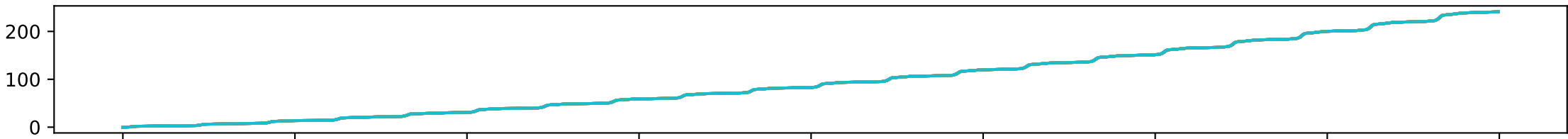
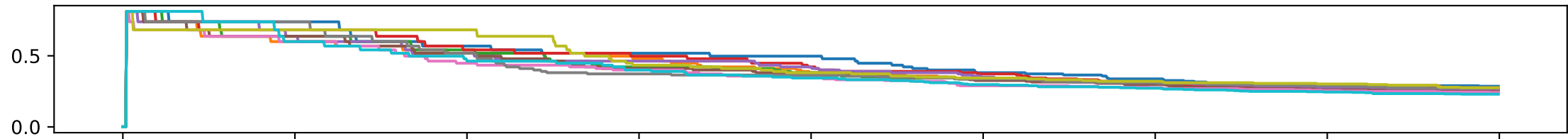
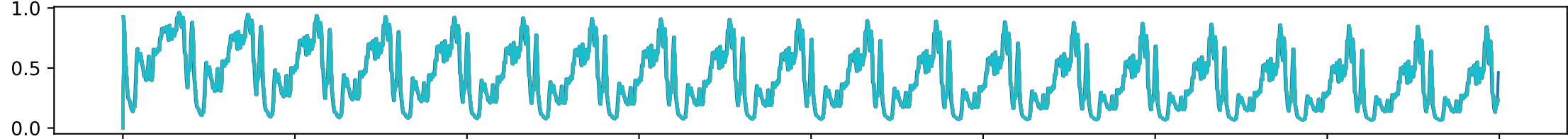
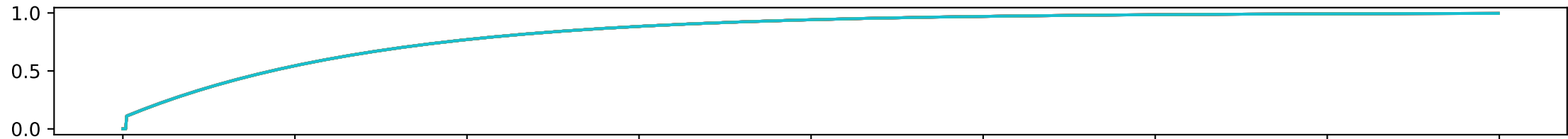
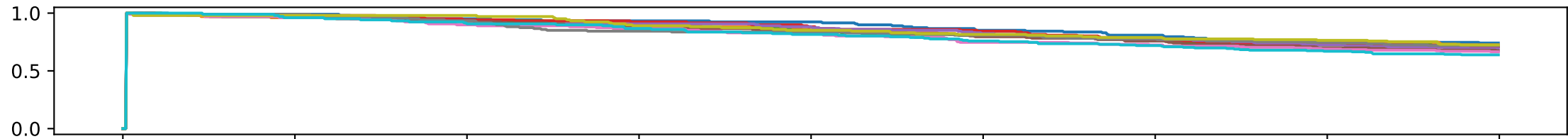
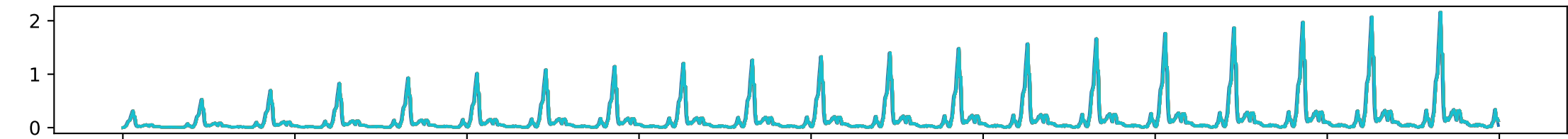


Total Parasite Density $Y(t)$ [parasites/ μL]Concurrent Infections $M(t)$ New Infections $h^*(t)$ Cumulative Parasite Densities [parasites/ μL \cdot days]

Age (years)

Cumulative Exposure $X_p(t)$ Density variations between hosts including effects of cumulative exposure σ_y Success probability of inoculations S_1 Immunity effect due to Acquired pre-erythrocytic immunity S_2 Immunity effect on parasite densities due to maternal immunity D_m Immunity effect on parasite densities due to cumulative number of prior infections D_h 

Effective EIR(t)

Force of infection variations between hosts d_i 

+2.499e1

