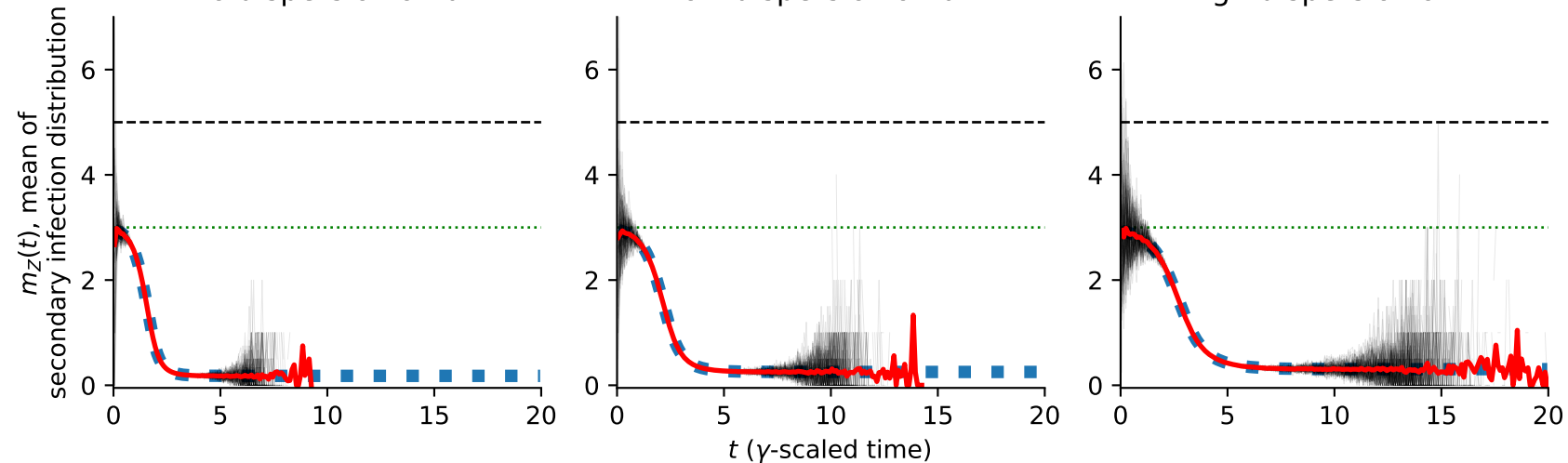


Poisson network,  
no dispersion  $\delta=0$

negative binomial network,  
low dispersion  $\delta=0.4$

negative binomial network,  
high dispersion  $\delta=2$



----  $\mu$ , network degree mean

■ analytic solution

— simulation mean

.....  $R_0$ , upper bound on  $m_Z(t)$