SIR using Gillespie's discrete event model 00e-02, $\gamma = 1.00e-03$, $\mu = 3.91e-05$, $\varepsilon = 0.00e+00$, $I_0 = 5.00e-02$, N_0 Infected Equilibrium fraction of population 0.6 0.4 0.2 0.0 2500 5000 7500 1000012500150001750020000 time *t*