$N_{\text{tot}} = 580K$, $N_{\text{ages}} = 1$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, $\rho = 0.0$, $\lambda_E = 1.0$, $\lambda_I = 1.0$, $\epsilon_\rho = 0.01$, $f_{02} = 0.0$, $\text{age}_{\text{mixing}} = 1.0$, $\text{connect}_{\text{algo}} = 1$