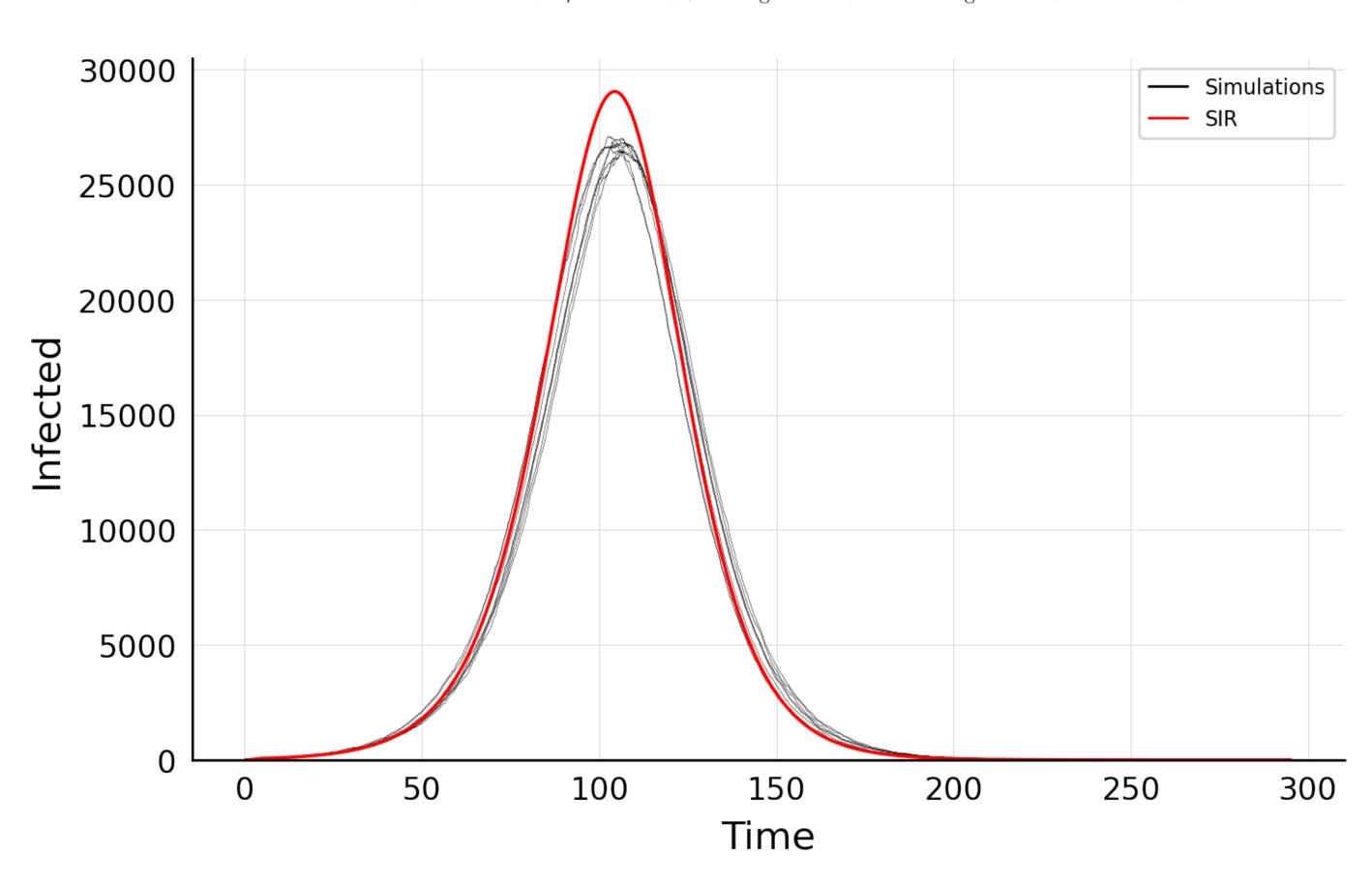
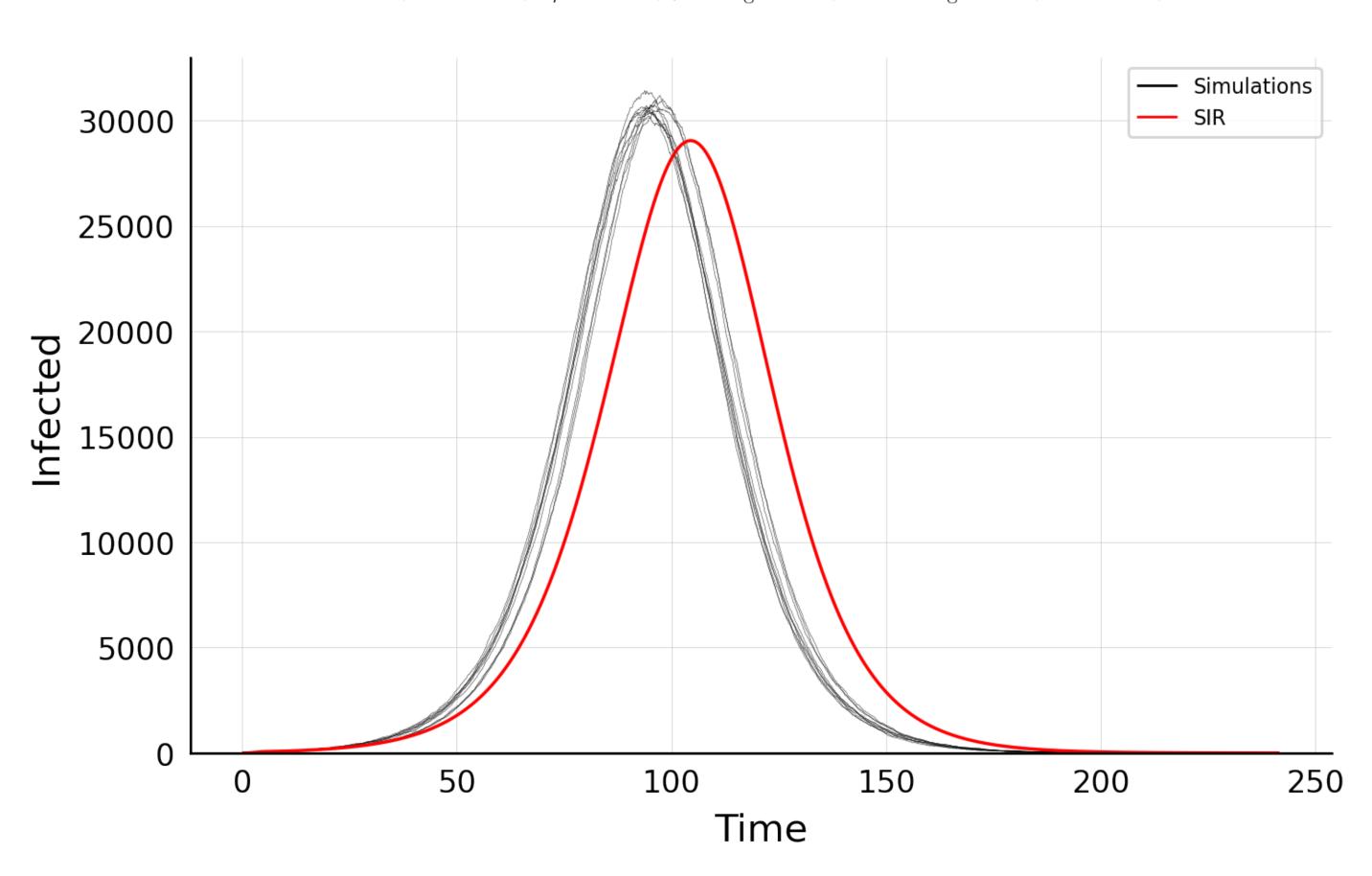
$$N_{\mathrm{tot}} = 580K, \ N_{\mathrm{init}} = 100, \ N_{\mathrm{ages}} = 1, \ \mu = 40.0, \ \sigma_{\mu} = 0.0, \ \beta = 0.01, \ \sigma_{\beta} = 0.0, \ \rho = 0.0 \ \lambda_{E} = 1.0, \ \lambda_{I} = 1.0, \ \epsilon_{\rho} = 0.01, \ \beta_{\mathrm{scaling}} = 1.0, \ \mathrm{age_{mixing}} = 1.0, \ \mathrm{algo} = 2, \ \#8$$

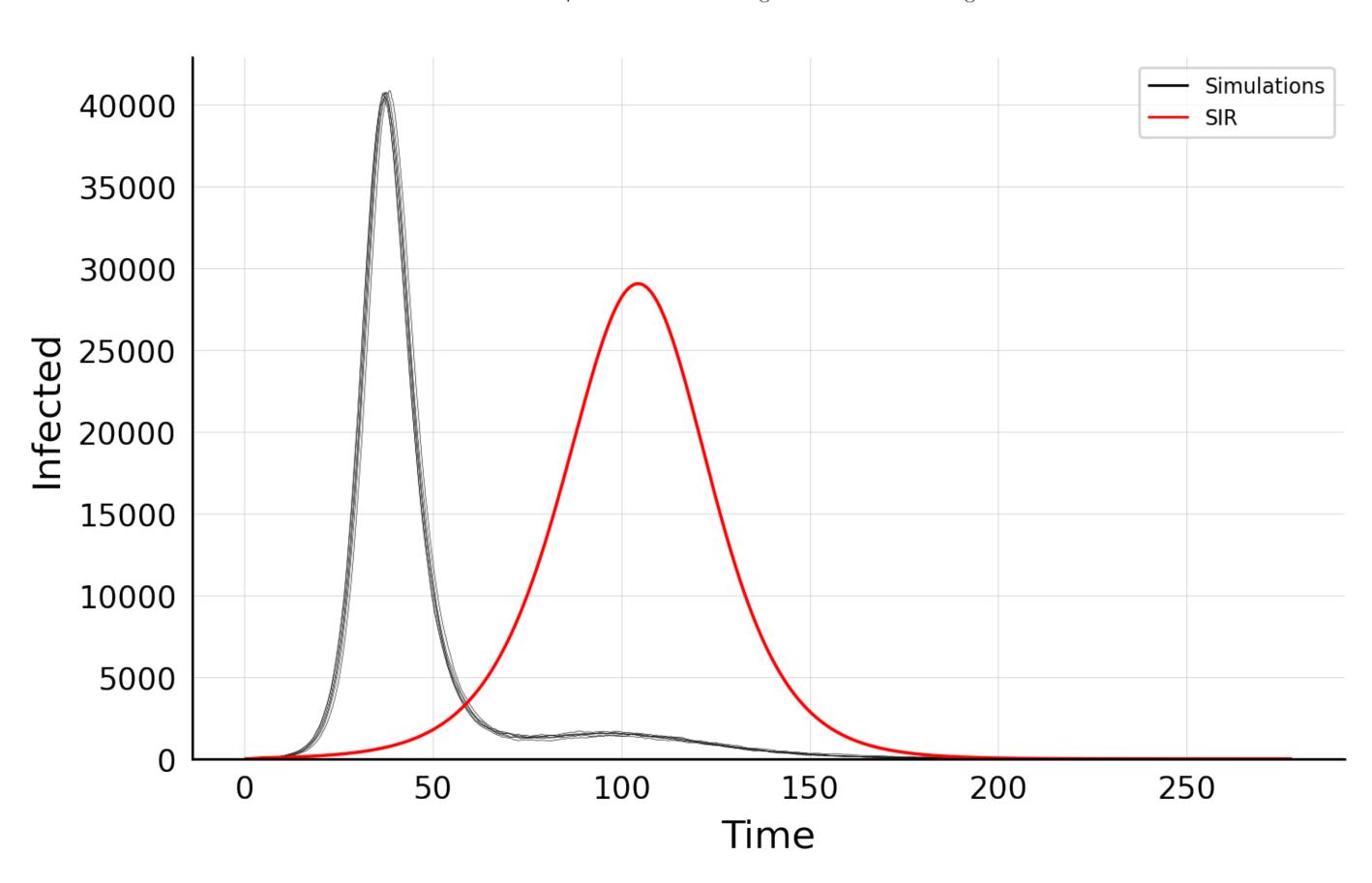


$$N_{\rm tot} = 580K, \ N_{\rm init} = 100, \ N_{\rm ages} = 1, \ \mu = 40.0, \ \sigma_{\mu} = 0.0, \ \beta = 0.01, \ \sigma_{\beta} = 0.0, \ \rho = 10.0$$

$$\lambda_E = 1.0, \ \lambda_I = 1.0, \ \epsilon_{\rho} = 0.01, \ \beta_{\rm scaling} = 1.0, \ {\rm age_{mixing}} = 1.0, \ {\rm algo} = 2, \ \#10$$

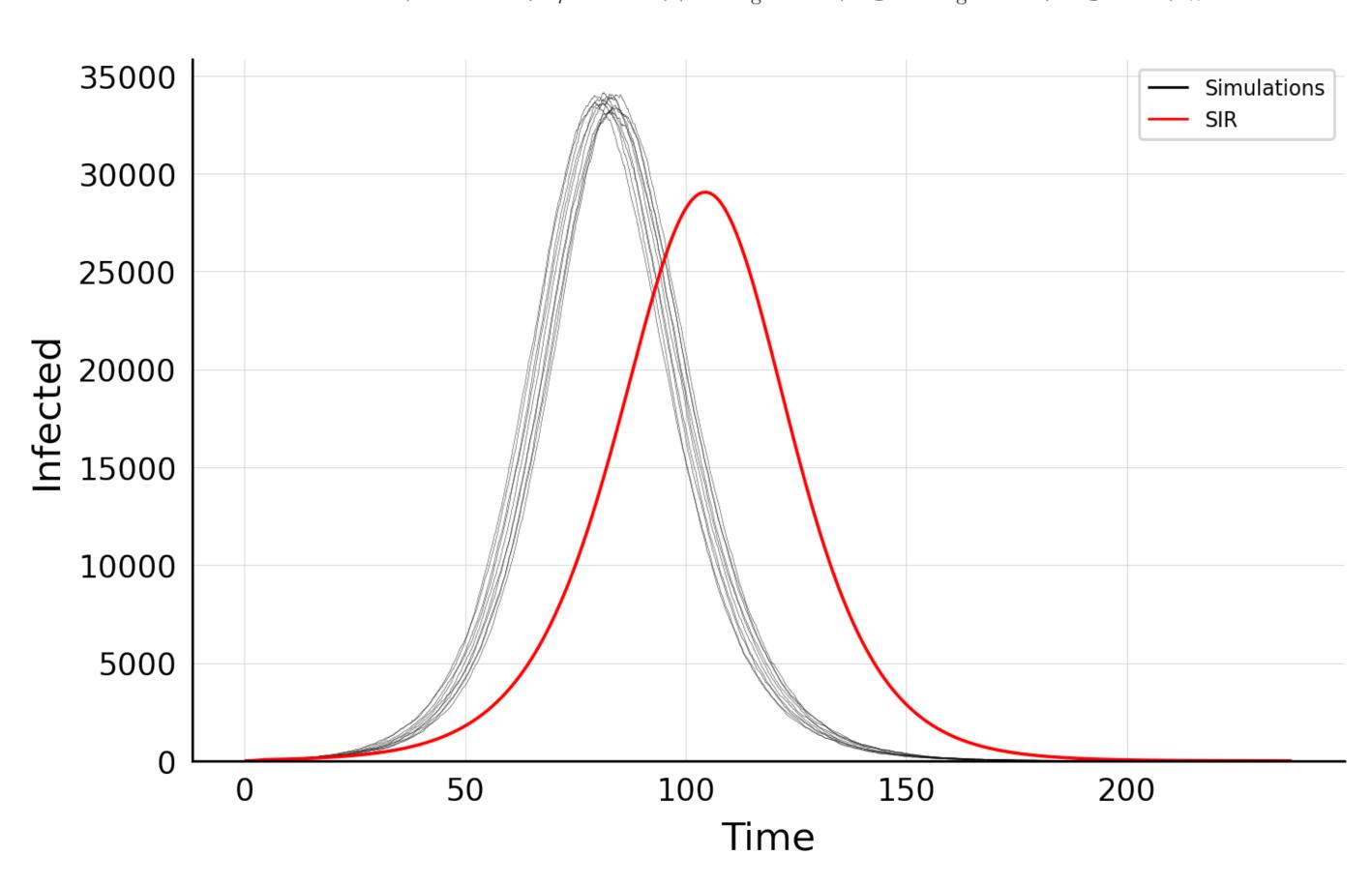


$$N_{
m tot} = 580K, \ N_{
m init} = 100, \ N_{
m ages} = 1, \ \mu = 40.0, \ \sigma_{\mu} = 0.0, \ \beta = 0.01, \ \sigma_{\beta} = 0.0, \ \rho = 100.0$$
 $\lambda_E = 1.0, \ \lambda_I = 1.0, \ \epsilon_{\rho} = 0.01, \ \beta_{
m scaling} = 1.0, \ {
m age}_{
m mixing} = 1.0, \ {
m algo} = 2, \ \#6$

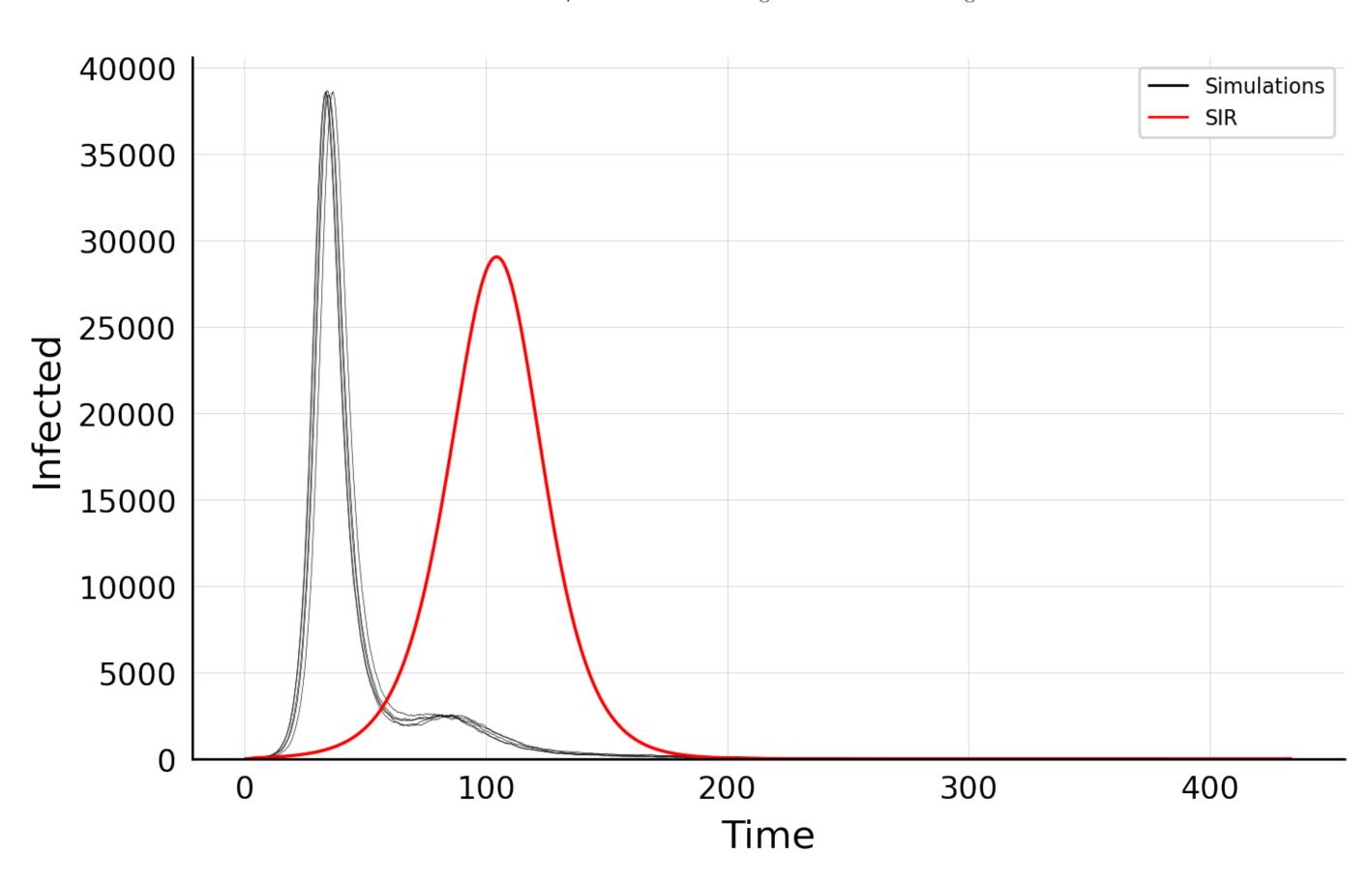


$$N_{\mathrm{tot}} = 580 K, \ N_{\mathrm{init}} = 100, \ N_{\mathrm{ages}} = 1, \ \mu = 40.0, \ \sigma_{\mu} = 0.0, \ \beta = 0.01, \ \sigma_{\beta} = 0.0, \ \rho = 15.0$$

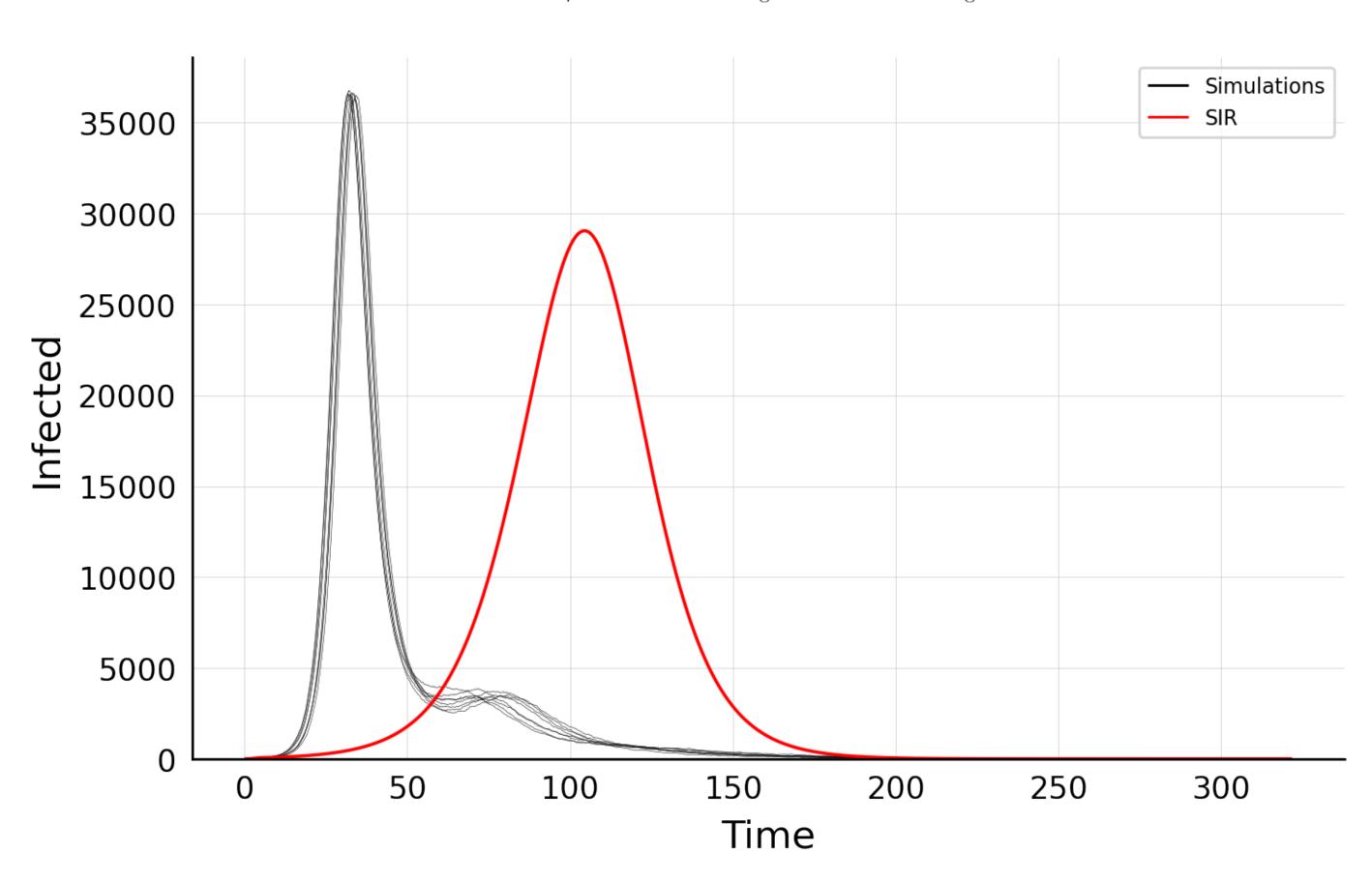
 $\lambda_E = 1.0, \ \lambda_I = 1.0, \ \epsilon_{\rho} = 0.01, \ \beta_{\mathrm{scaling}} = 1.0, \ \mathrm{age_{mixing}} = 1.0, \ \mathrm{algo} = 2, \ \#10$



$$N_{
m tot} = 580K, \ N_{
m init} = 100, \ N_{
m ages} = 1, \ \mu = 40.0, \ \sigma_{\mu} = 0.0, \ \beta = 0.01, \ \sigma_{\beta} = 0.0, \ \rho = 150.0$$
 $\lambda_E = 1.0, \ \lambda_I = 1.0, \ \epsilon_{\rho} = 0.01, \ \beta_{
m scaling} = 1.0, \ {
m age}_{
m mixing} = 1.0, \ {
m algo} = 2, \ \#5$

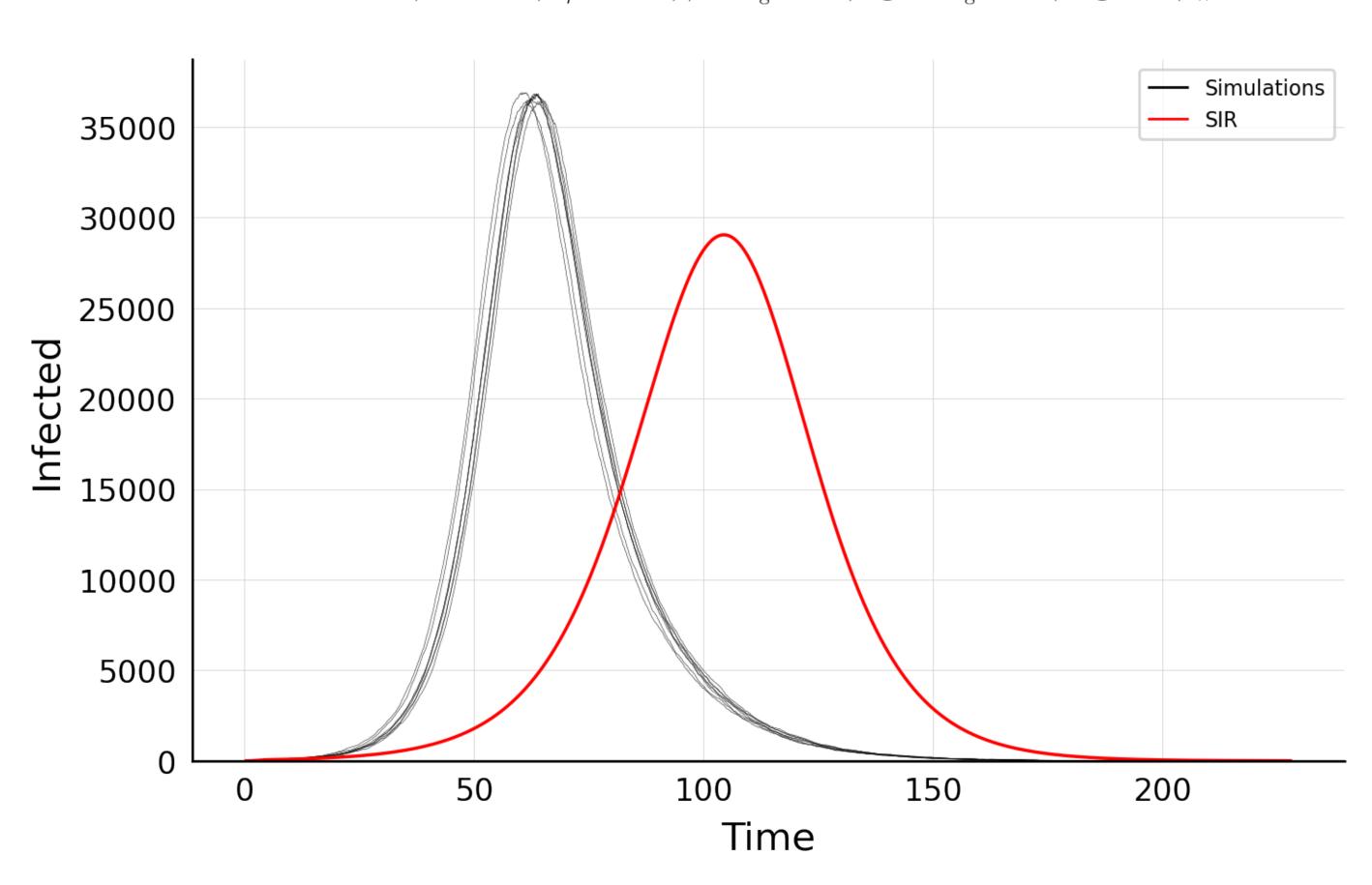


$$N_{
m tot} = 580K, \ N_{
m init} = 100, \ N_{
m ages} = 1, \ \mu = 40.0, \ \sigma_{\mu} = 0.0, \ \beta = 0.01, \ \sigma_{\beta} = 0.0, \ \rho = 200.0 \ \lambda_{E} = 1.0, \ \lambda_{I} = 1.0, \ \epsilon_{\rho} = 0.01, \ \beta_{
m scaling} = 1.0, \ {
m age}_{
m mixing} = 1.0, \ {
m algo} = 2, \ \#8$$



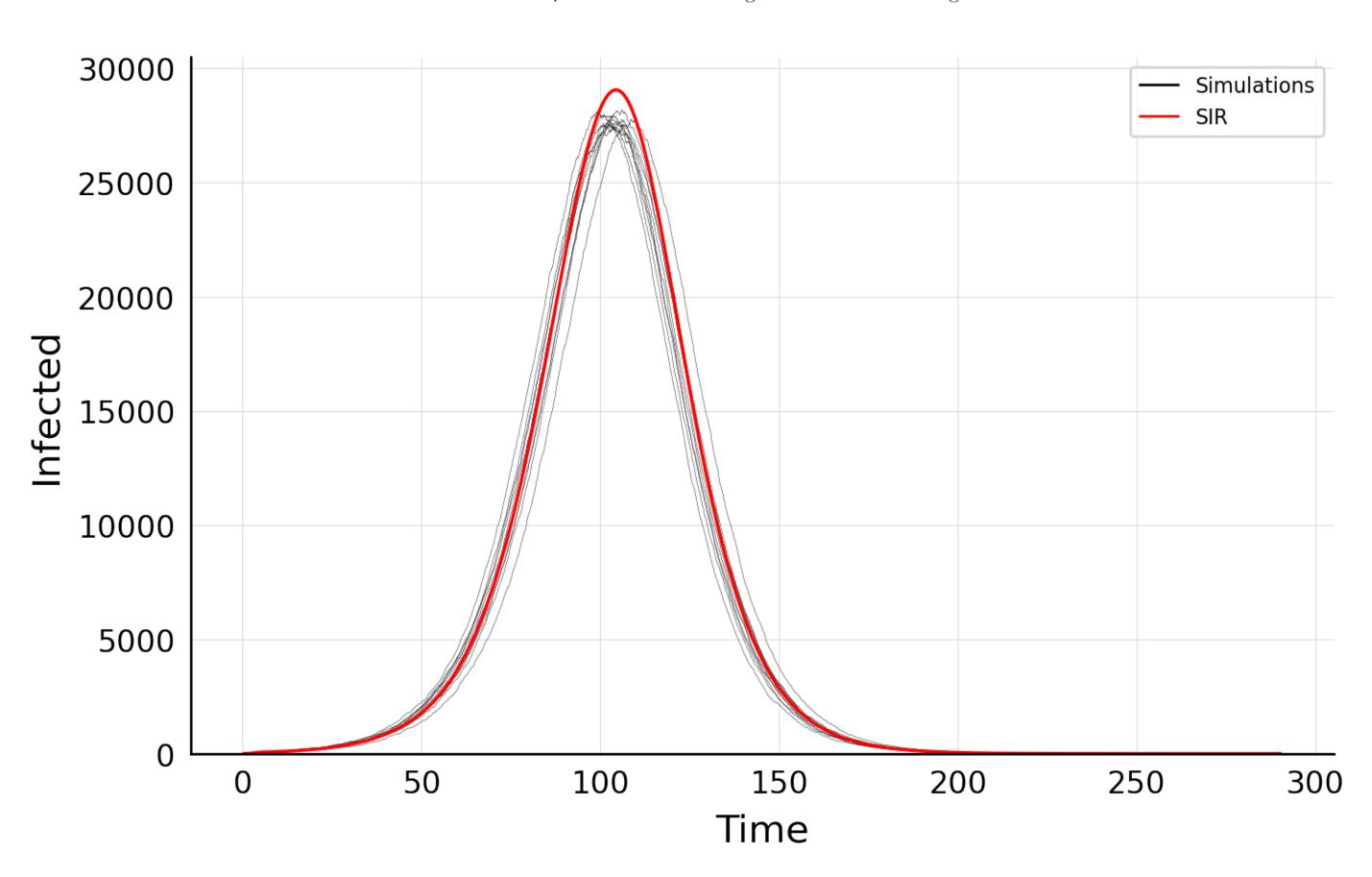
$$N_{\mathrm{tot}} = 580 K, \ N_{\mathrm{init}} = 100, \ N_{\mathrm{ages}} = 1, \ \mu = 40.0, \ \sigma_{\mu} = 0.0, \ \beta = 0.01, \ \sigma_{\beta} = 0.0, \ \rho = 25.0$$

 $\lambda_E = 1.0, \ \lambda_I = 1.0, \ \epsilon_{\rho} = 0.01, \ \beta_{\mathrm{scaling}} = 1.0, \ \mathrm{age_{mixing}} = 1.0, \ \mathrm{algo} = 2, \ \#8$



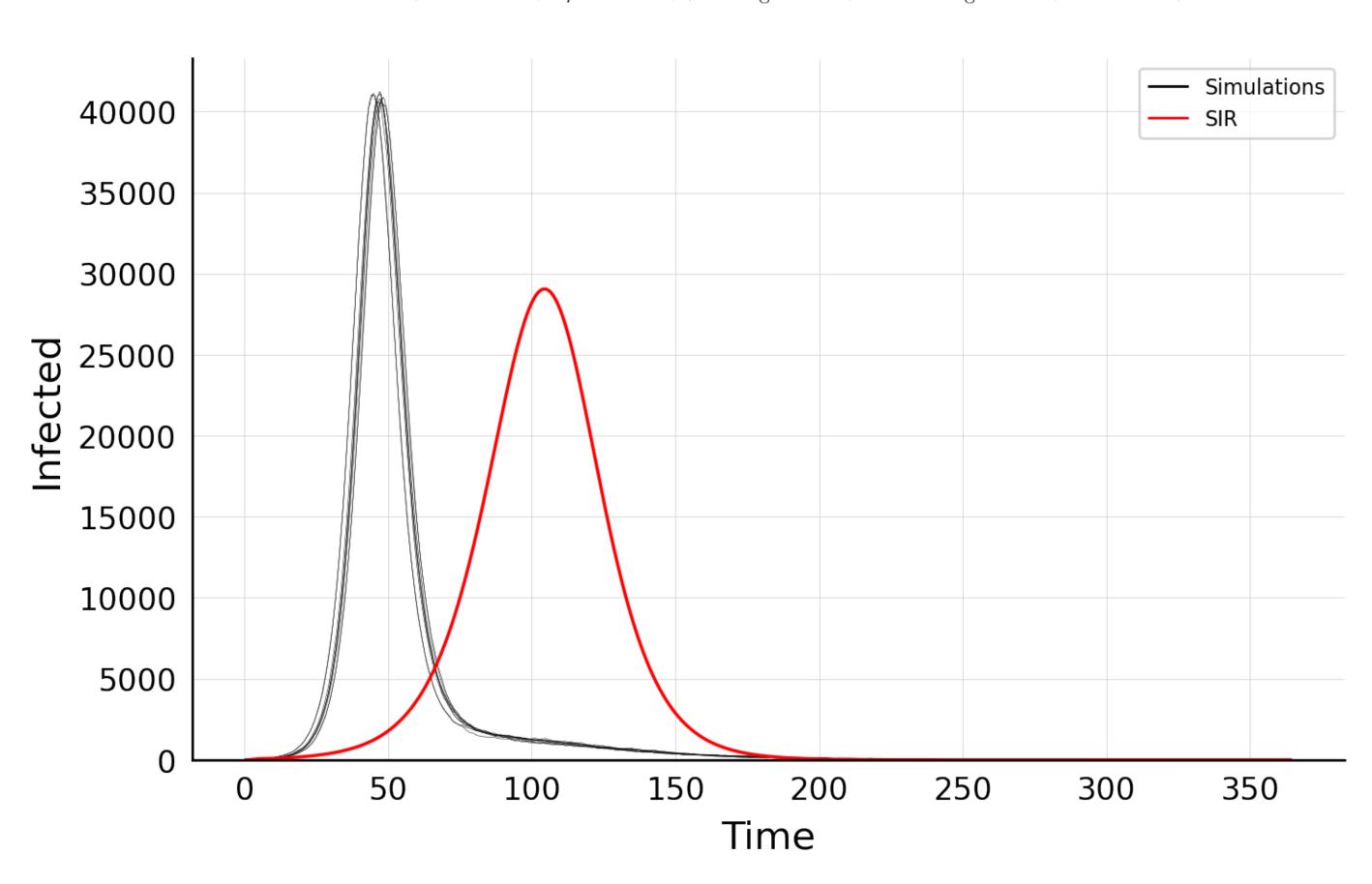
$$N_{\mathrm{tot}} = 580K, \ N_{\mathrm{init}} = 100, \ N_{\mathrm{ages}} = 1, \ \mu = 40.0, \ \sigma_{\mu} = 0.0, \ \beta = 0.01, \ \sigma_{\beta} = 0.0, \ \rho = 5.0$$

 $\lambda_E = 1.0, \ \lambda_I = 1.0, \ \epsilon_{\rho} = 0.01, \ \beta_{\mathrm{scaling}} = 1.0, \ \mathrm{age_{mixing}} = 1.0, \ \mathrm{algo} = 2, \ \#10$



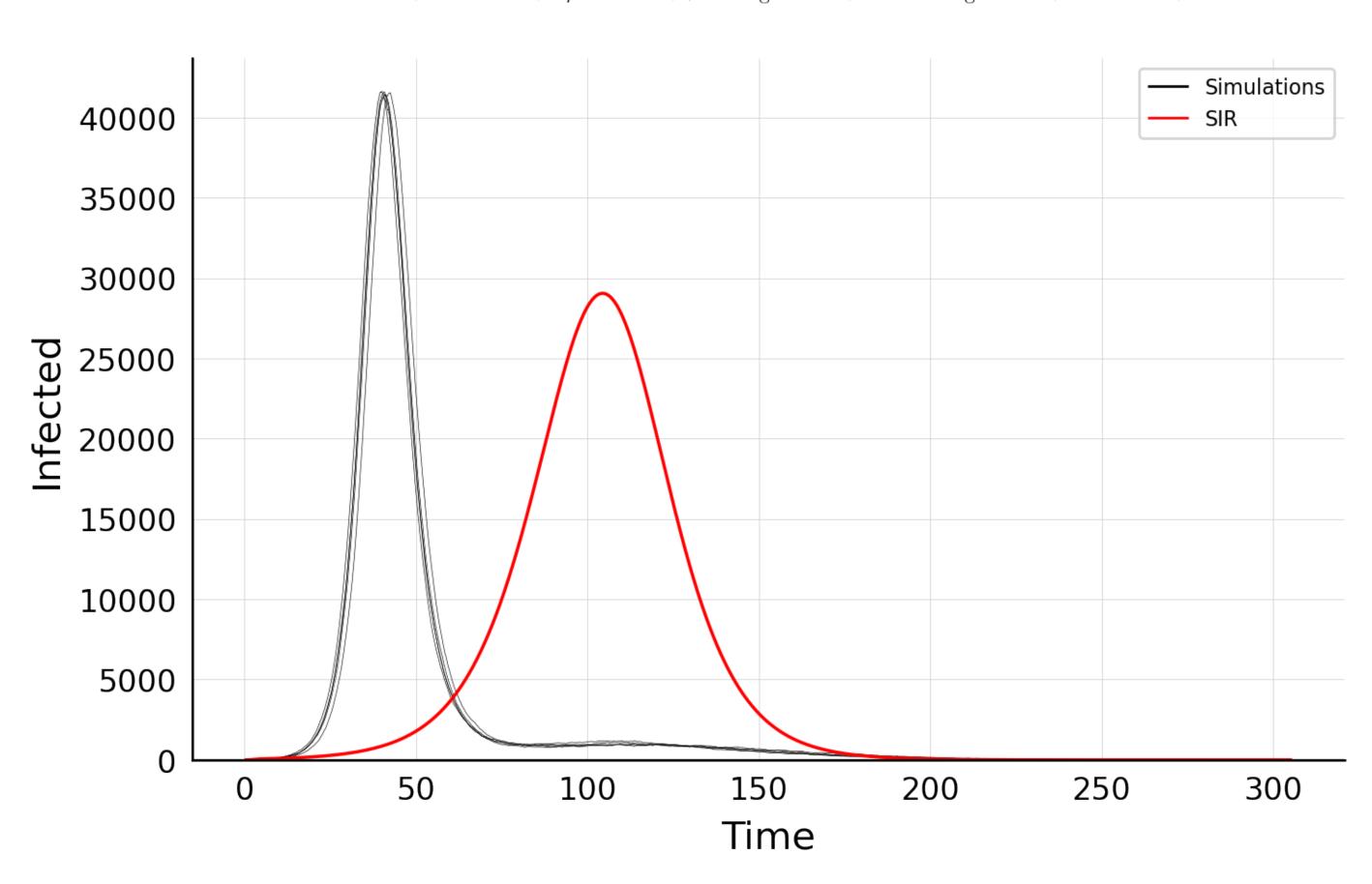
$$N_{\rm tot} = 580K, \ N_{\rm init} = 100, \ N_{\rm ages} = 1, \ \mu = 40.0, \ \sigma_{\mu} = 0.0, \ \beta = 0.01, \ \sigma_{\beta} = 0.0, \ \rho = 50.0$$

$$\lambda_E = 1.0, \ \lambda_I = 1.0, \ \epsilon_{\rho} = 0.01, \ \beta_{\rm scaling} = 1.0, \ {\rm age_{mixing}} = 1.0, \ {\rm algo} = 2, \ \#9$$

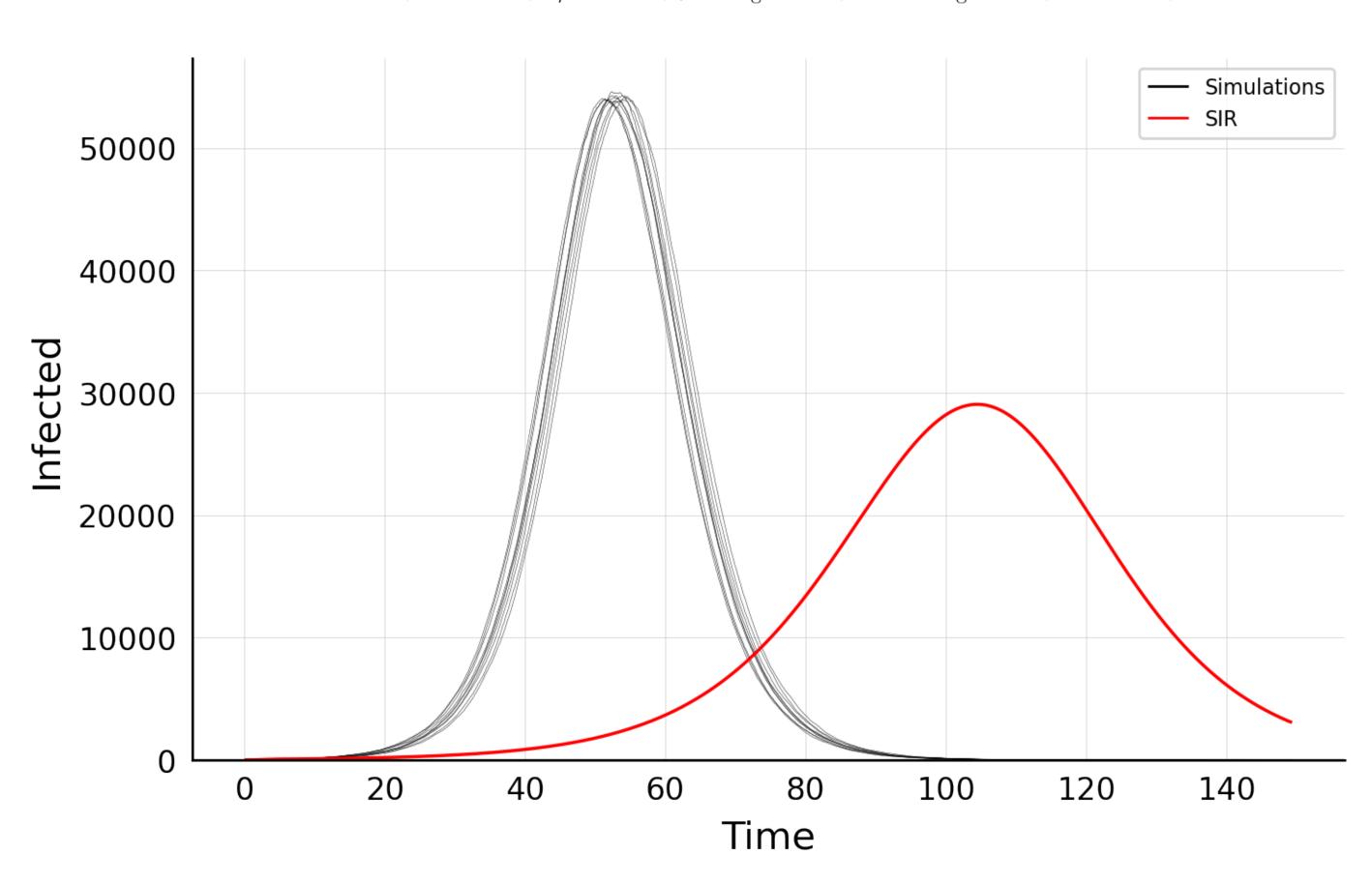


$$N_{\rm tot} = 580K, \ N_{\rm init} = 100, \ N_{\rm ages} = 1, \ \mu = 40.0, \ \sigma_{\mu} = 0.0, \ \beta = 0.01, \ \sigma_{\beta} = 0.0, \ \rho = 75.0$$

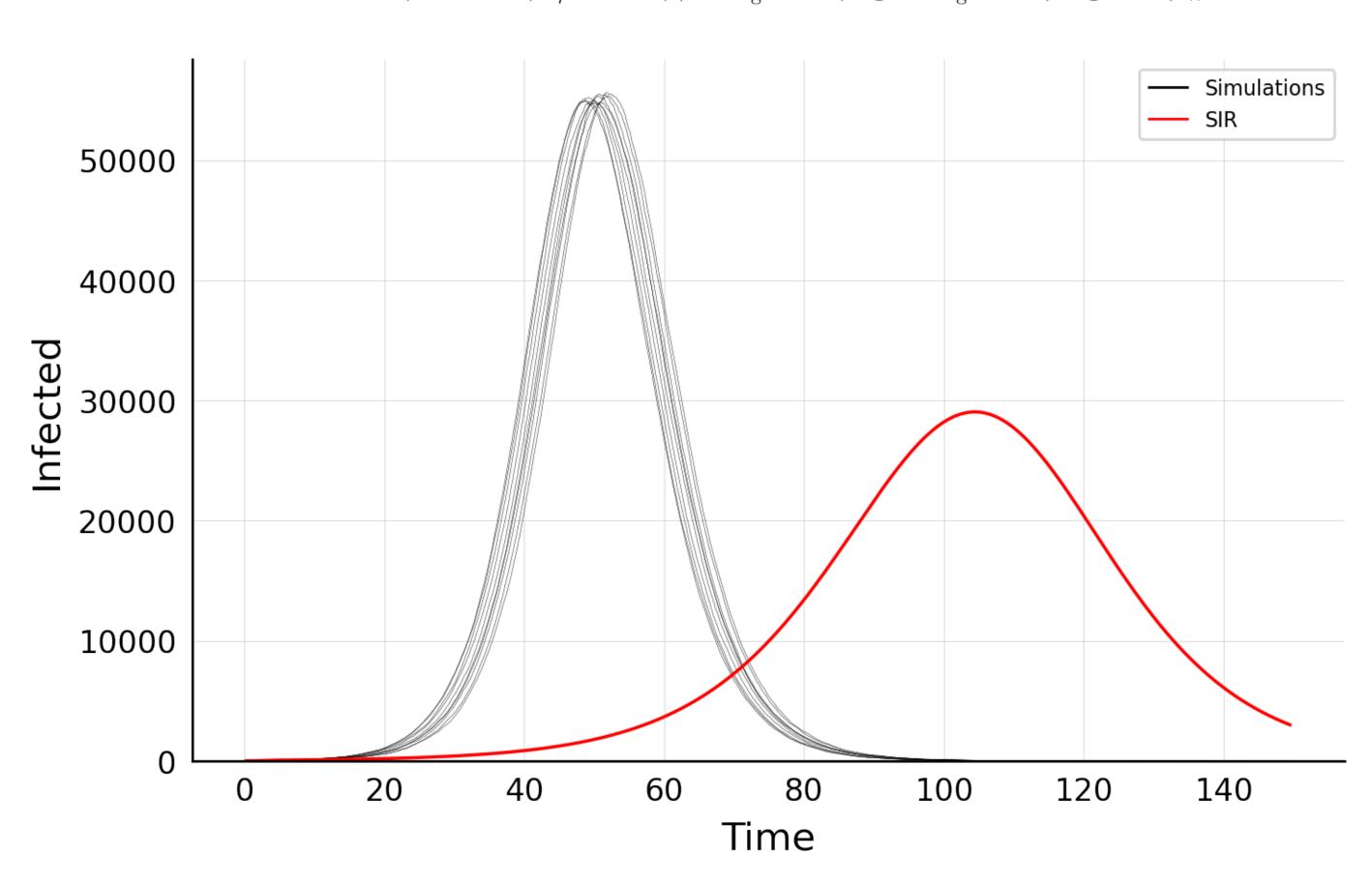
$$\lambda_E = 1.0, \ \lambda_I = 1.0, \ \epsilon_{\rho} = 0.01, \ \beta_{\rm scaling} = 1.0, \ {\rm age_{mixing}} = 1.0, \ {\rm algo} = 2, \ \#5$$



$$N_{\mathrm{tot}} = 580K, \ N_{\mathrm{init}} = 100, \ N_{\mathrm{ages}} = 1, \ \mu = 40.0, \ \sigma_{\mu} = 1.0, \ \beta = 0.01, \ \sigma_{\beta} = 0.0, \ \rho = 0.0$$
 $\lambda_E = 1.0, \ \lambda_I = 1.0, \ \epsilon_{\rho} = 0.01, \ \beta_{\mathrm{scaling}} = 1.0, \ \mathrm{age_{mixing}} = 1.0, \ \mathrm{algo} = 2, \ \#10$

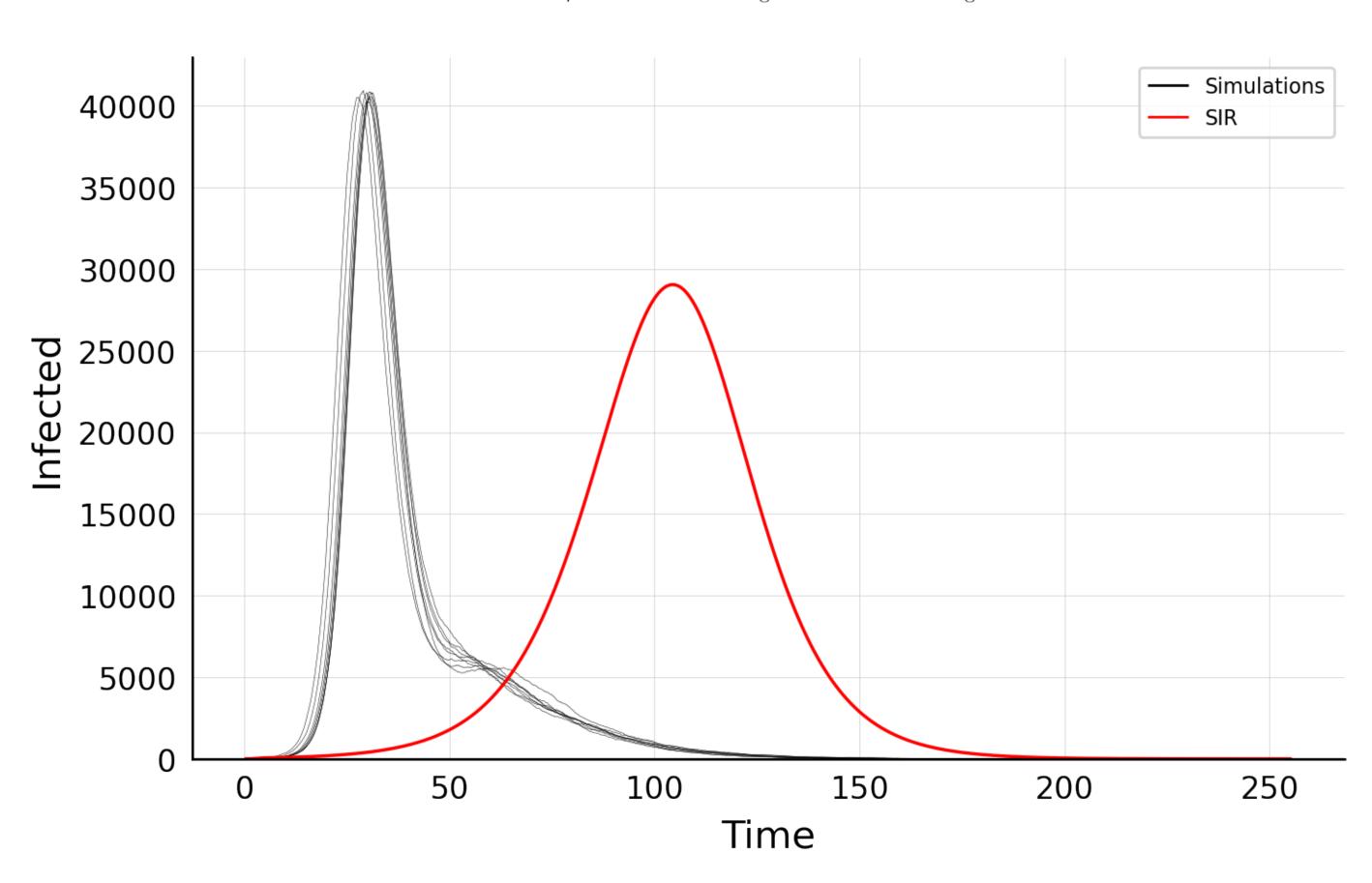


$$N_{\mathrm{tot}} = 580 K, \ N_{\mathrm{init}} = 100, \ N_{\mathrm{ages}} = 1, \ \mu = 40.0, \ \sigma_{\mu} = 1.0, \ \beta = 0.01, \ \sigma_{\beta} = 0.0, \ \rho = 10.0$$
 $\lambda_E = 1.0, \ \lambda_I = 1.0, \ \epsilon_{\rho} = 0.01, \ \beta_{\mathrm{scaling}} = 1.0, \ \mathrm{age_{mixing}} = 1.0, \ \mathrm{algo} = 2, \ \#10$



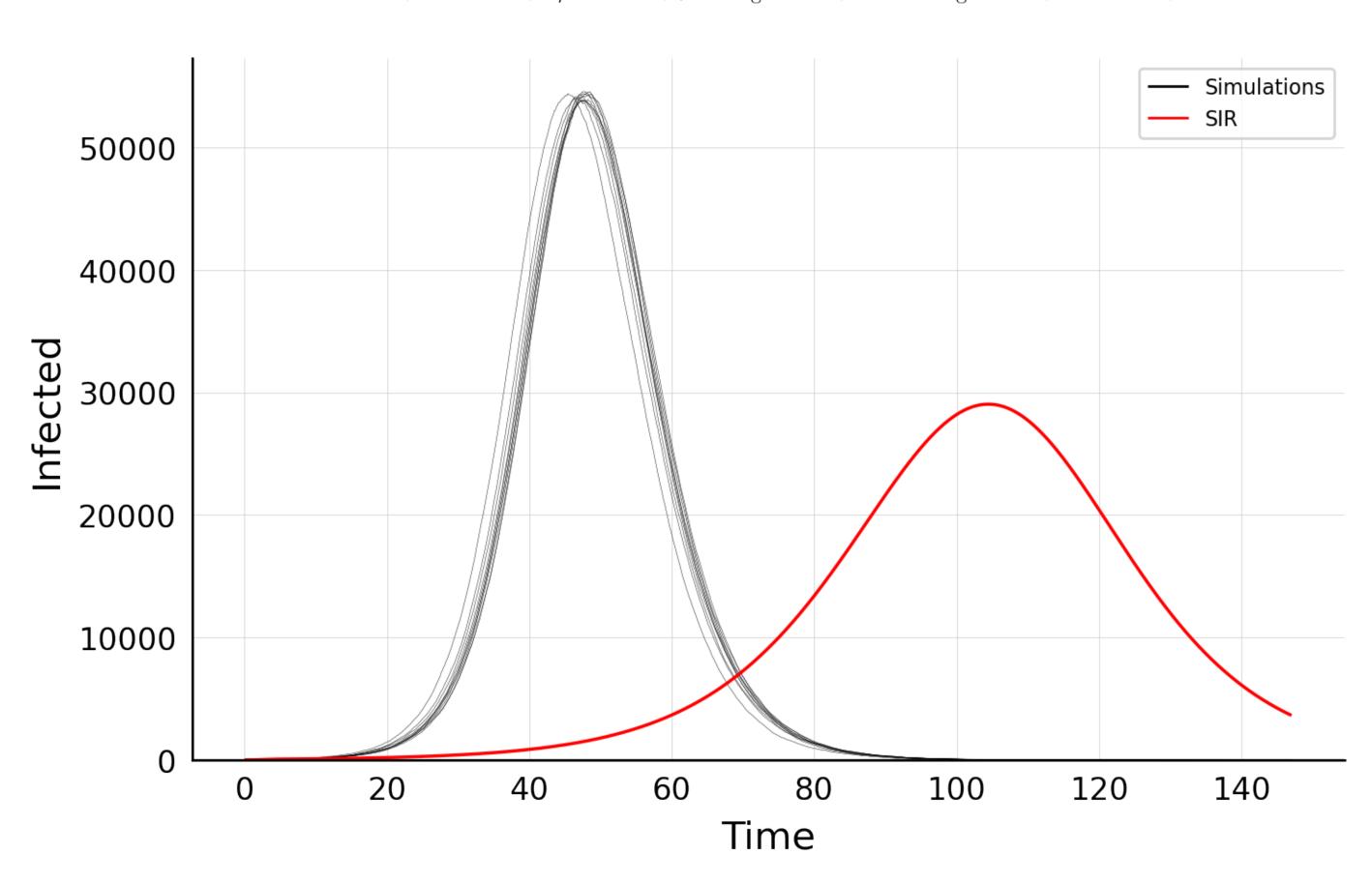
$$N_{\mathrm{tot}} = 580K, \ N_{\mathrm{init}} = 100, \ N_{\mathrm{ages}} = 1, \ \mu = 40.0, \ \sigma_{\mu} = 1.0, \ \beta = 0.01, \ \sigma_{\beta} = 0.0, \ \rho = 100.0$$

 $\lambda_E = 1.0, \ \lambda_I = 1.0, \ \epsilon_{\rho} = 0.01, \ \beta_{\mathrm{scaling}} = 1.0, \ \mathrm{age_{mixing}} = 1.0, \ \mathrm{algo} = 2, \ \#8$



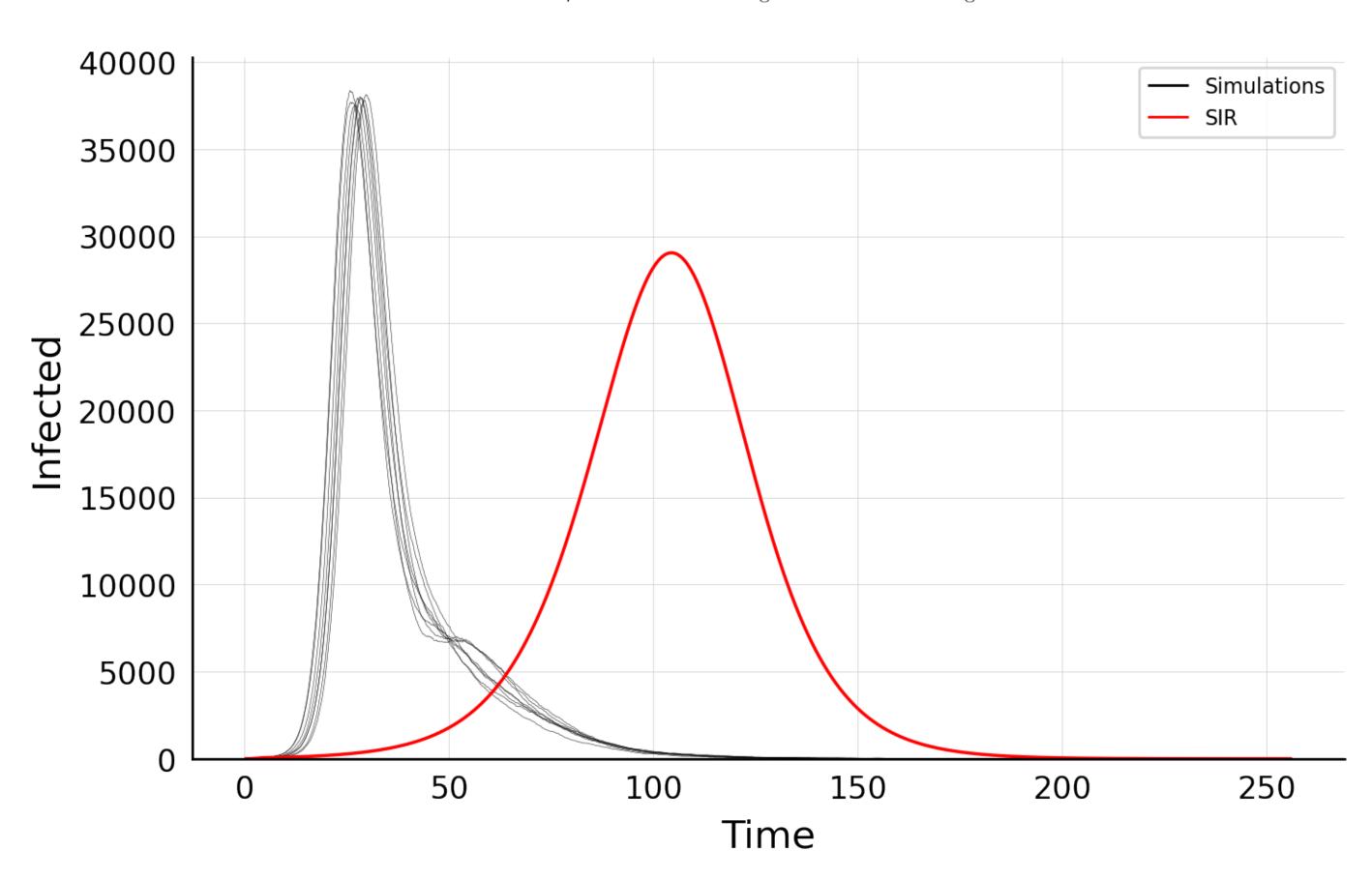
$$N_{\rm tot} = 580K, \ N_{\rm init} = 100, \ N_{\rm ages} = 1, \ \mu = 40.0, \ \sigma_{\mu} = 1.0, \ \beta = 0.01, \ \sigma_{\beta} = 0.0, \ \rho = 15.0$$

$$\lambda_E = 1.0, \ \lambda_I = 1.0, \ \epsilon_{\rho} = 0.01, \ \beta_{\rm scaling} = 1.0, \ {\rm age_{mixing}} = 1.0, \ {\rm algo} = 2, \ \#10$$



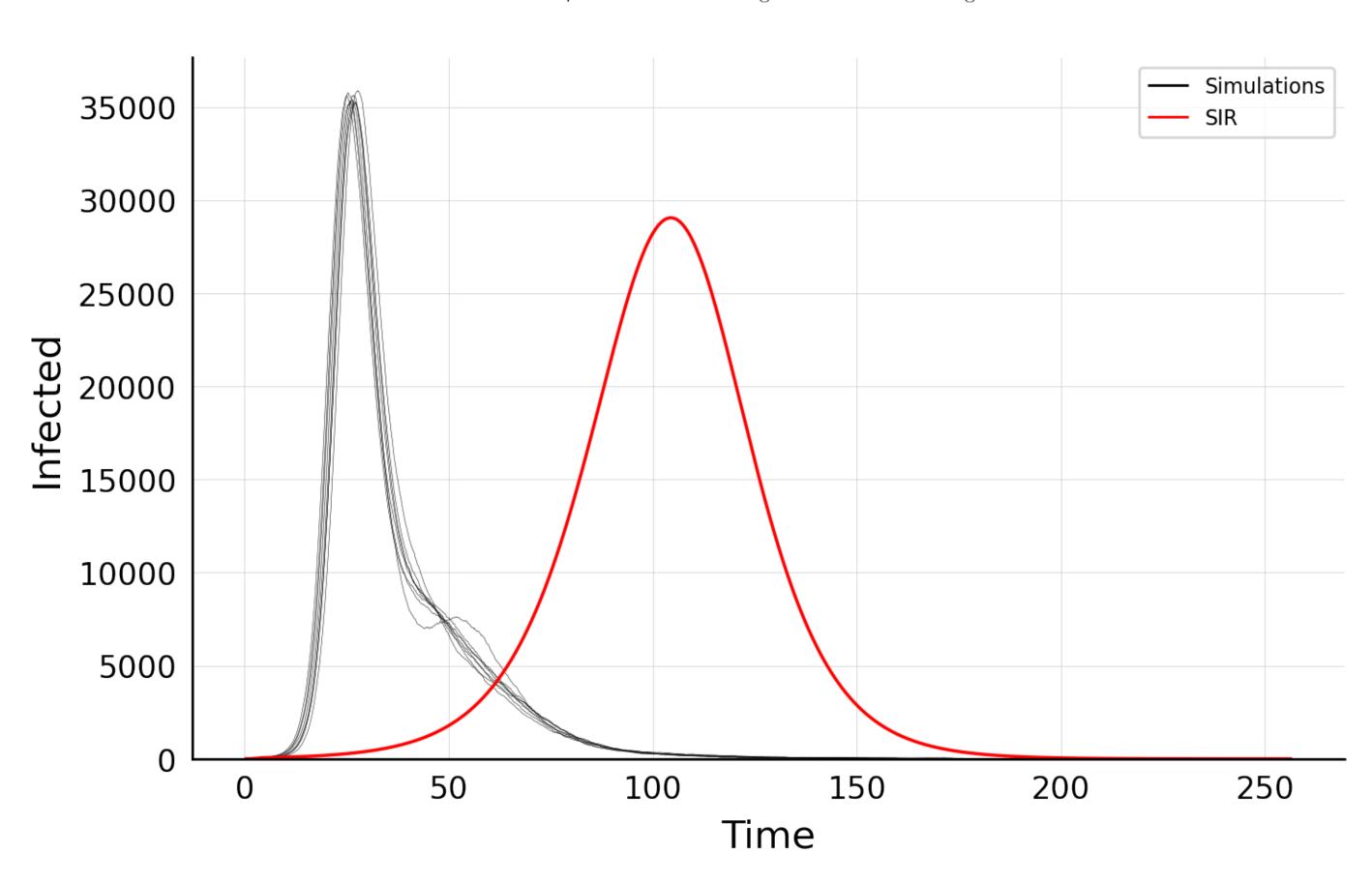
$$N_{\mathrm{tot}} = 580K, \ N_{\mathrm{init}} = 100, \ N_{\mathrm{ages}} = 1, \ \mu = 40.0, \ \sigma_{\mu} = 1.0, \ \beta = 0.01, \ \sigma_{\beta} = 0.0, \ \rho = 150.0$$

 $\lambda_E = 1.0, \ \lambda_I = 1.0, \ \epsilon_{\rho} = 0.01, \ \beta_{\mathrm{scaling}} = 1.0, \ \mathrm{age_{mixing}} = 1.0, \ \mathrm{algo} = 2, \ \#8$



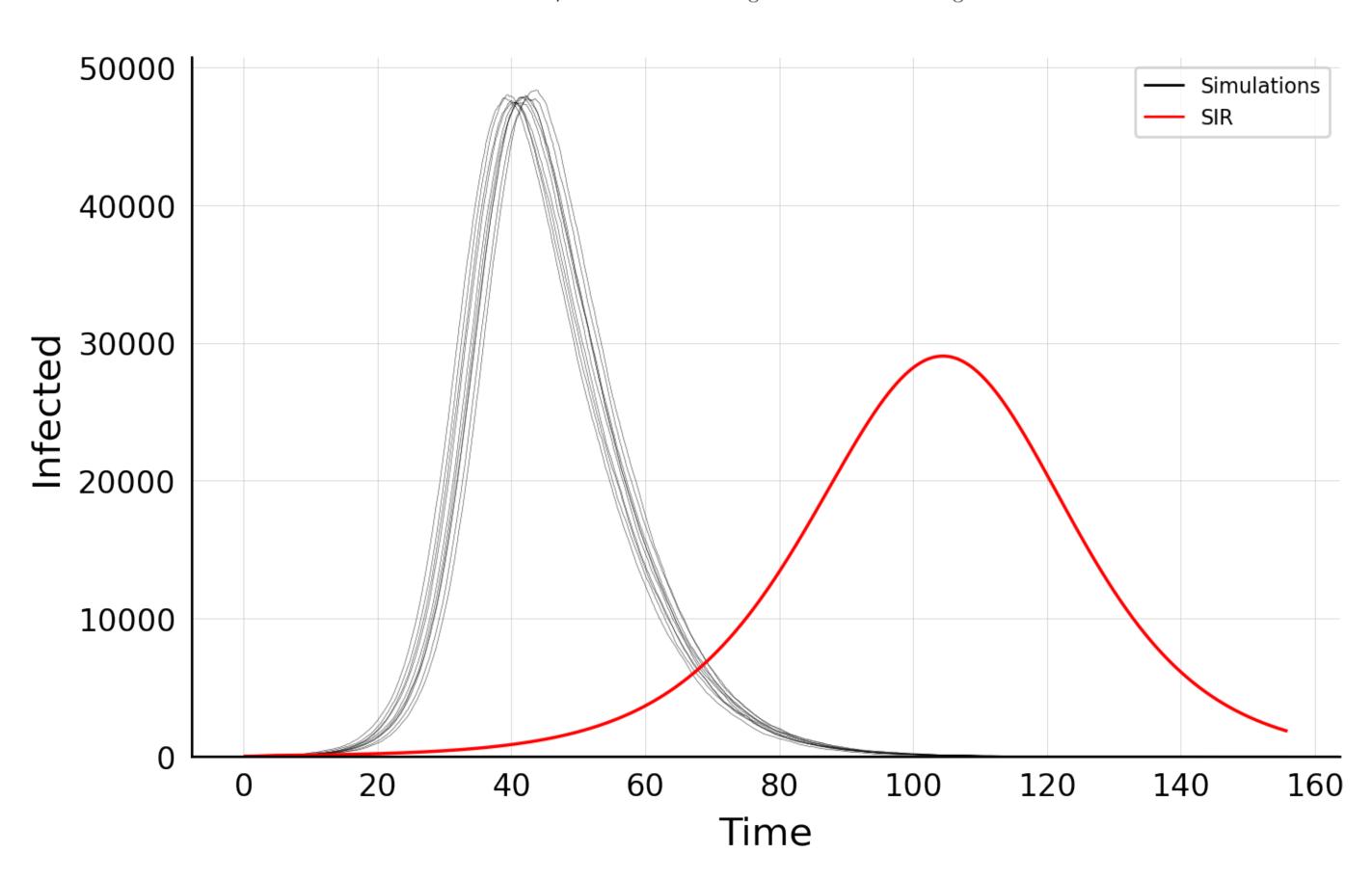
$$N_{\mathrm{tot}} = 580K, \ N_{\mathrm{init}} = 100, \ N_{\mathrm{ages}} = 1, \ \mu = 40.0, \ \sigma_{\mu} = 1.0, \ \beta = 0.01, \ \sigma_{\beta} = 0.0, \ \rho = 200.0$$

 $\lambda_E = 1.0, \ \lambda_I = 1.0, \ \epsilon_{\rho} = 0.01, \ \beta_{\mathrm{scaling}} = 1.0, \ \mathrm{age_{mixing}} = 1.0, \ \mathrm{algo} = 2, \ \#8$



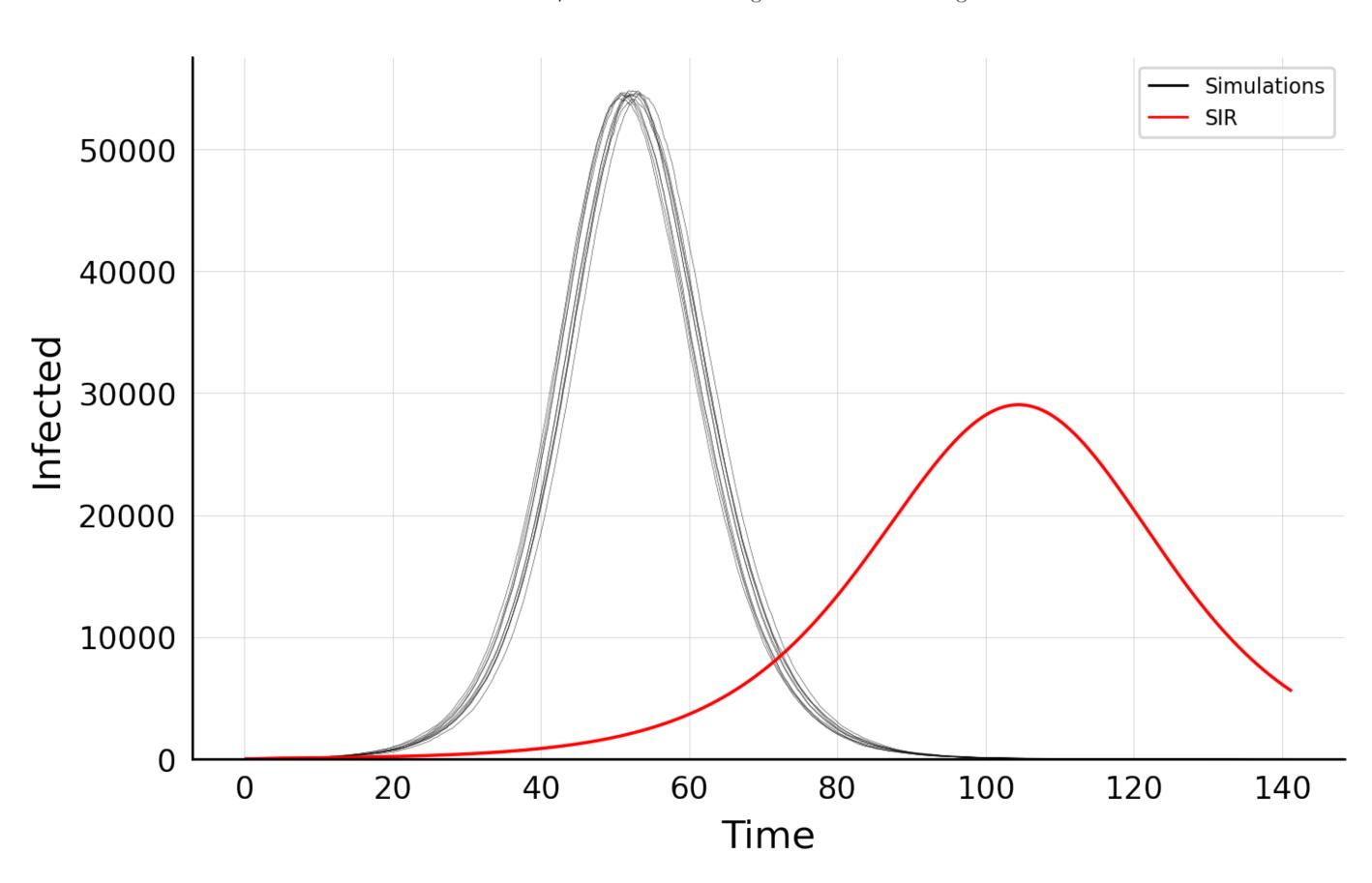
$$N_{\mathrm{tot}} = 580 K, \ N_{\mathrm{init}} = 100, \ N_{\mathrm{ages}} = 1, \ \mu = 40.0, \ \sigma_{\mu} = 1.0, \ \beta = 0.01, \ \sigma_{\beta} = 0.0, \ \rho = 25.0$$

 $\lambda_E = 1.0, \ \lambda_I = 1.0, \ \epsilon_{\rho} = 0.01, \ \beta_{\mathrm{scaling}} = 1.0, \ \mathrm{age_{mixing}} = 1.0, \ \mathrm{algo} = 2, \ \#10$



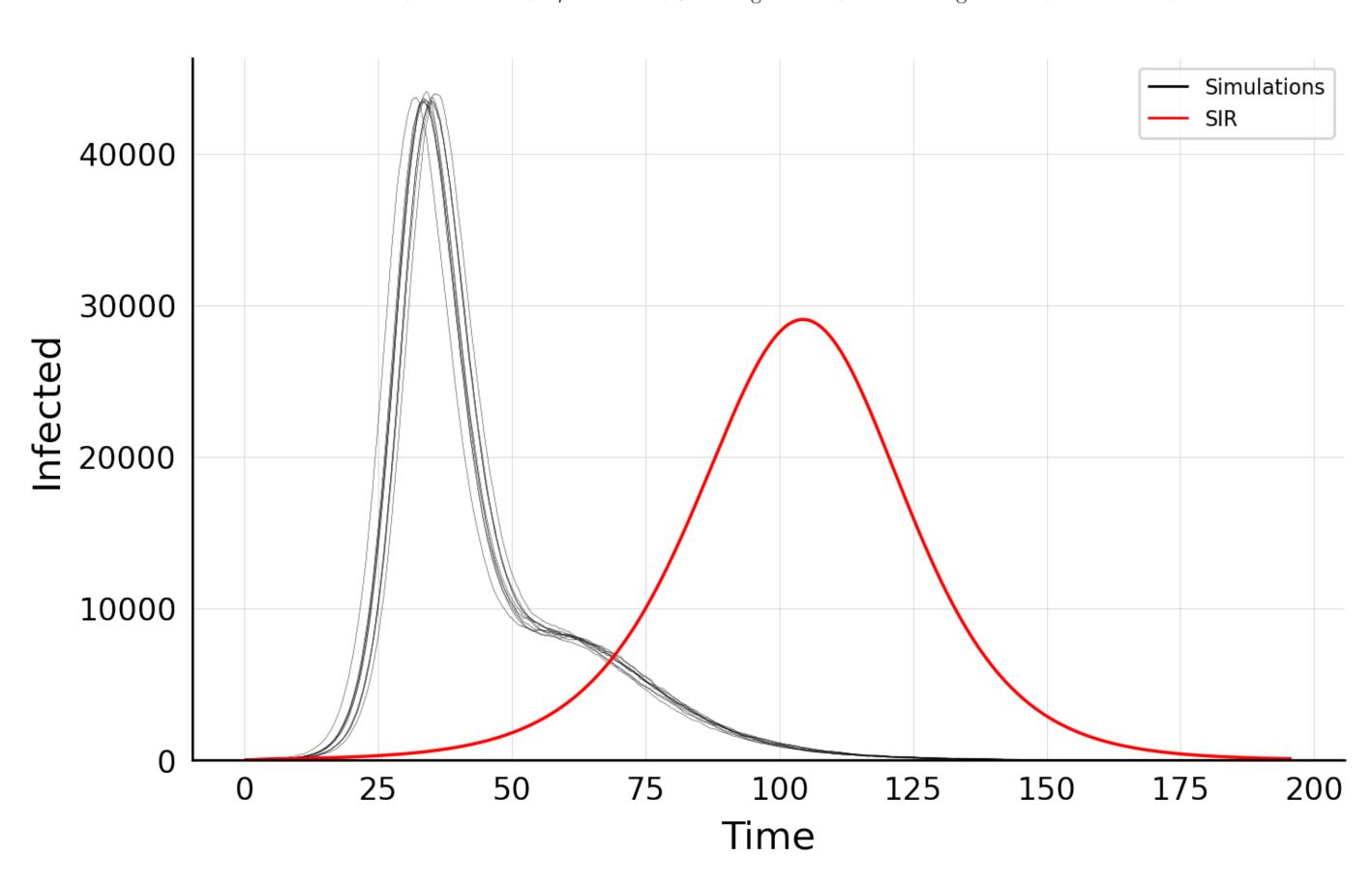
$$N_{\mathrm{tot}} = 580K, \ N_{\mathrm{init}} = 100, \ N_{\mathrm{ages}} = 1, \ \mu = 40.0, \ \sigma_{\mu} = 1.0, \ \beta = 0.01, \ \sigma_{\beta} = 0.0, \ \rho = 5.0$$

 $\lambda_E = 1.0, \ \lambda_I = 1.0, \ \epsilon_{\rho} = 0.01, \ \beta_{\mathrm{scaling}} = 1.0, \ \mathrm{age_{mixing}} = 1.0, \ \mathrm{algo} = 2, \ \#10$



$$N_{\rm tot} = 580K, \ N_{\rm init} = 100, \ N_{\rm ages} = 1, \ \mu = 40.0, \ \sigma_{\mu} = 1.0, \ \beta = 0.01, \ \sigma_{\beta} = 0.0, \ \rho = 50.0$$

$$\lambda_E = 1.0, \ \lambda_I = 1.0, \ \epsilon_{\rho} = 0.01, \ \beta_{\rm scaling} = 1.0, \ {\rm age_{mixing}} = 1.0, \ {\rm algo} = 2, \ \#10$$



$$N_{\rm tot} = 580K, \ N_{\rm init} = 100, \ N_{\rm ages} = 1, \ \mu = 40.0, \ \sigma_{\mu} = 1.0, \ \beta = 0.01, \ \sigma_{\beta} = 0.0, \ \rho = 75.0$$

$$\lambda_E = 1.0, \ \lambda_I = 1.0, \ \epsilon_{\rho} = 0.01, \ \beta_{\rm scaling} = 1.0, \ {\rm age_{mixing}} = 1.0, \ {\rm algo} = 2, \ \#9$$

