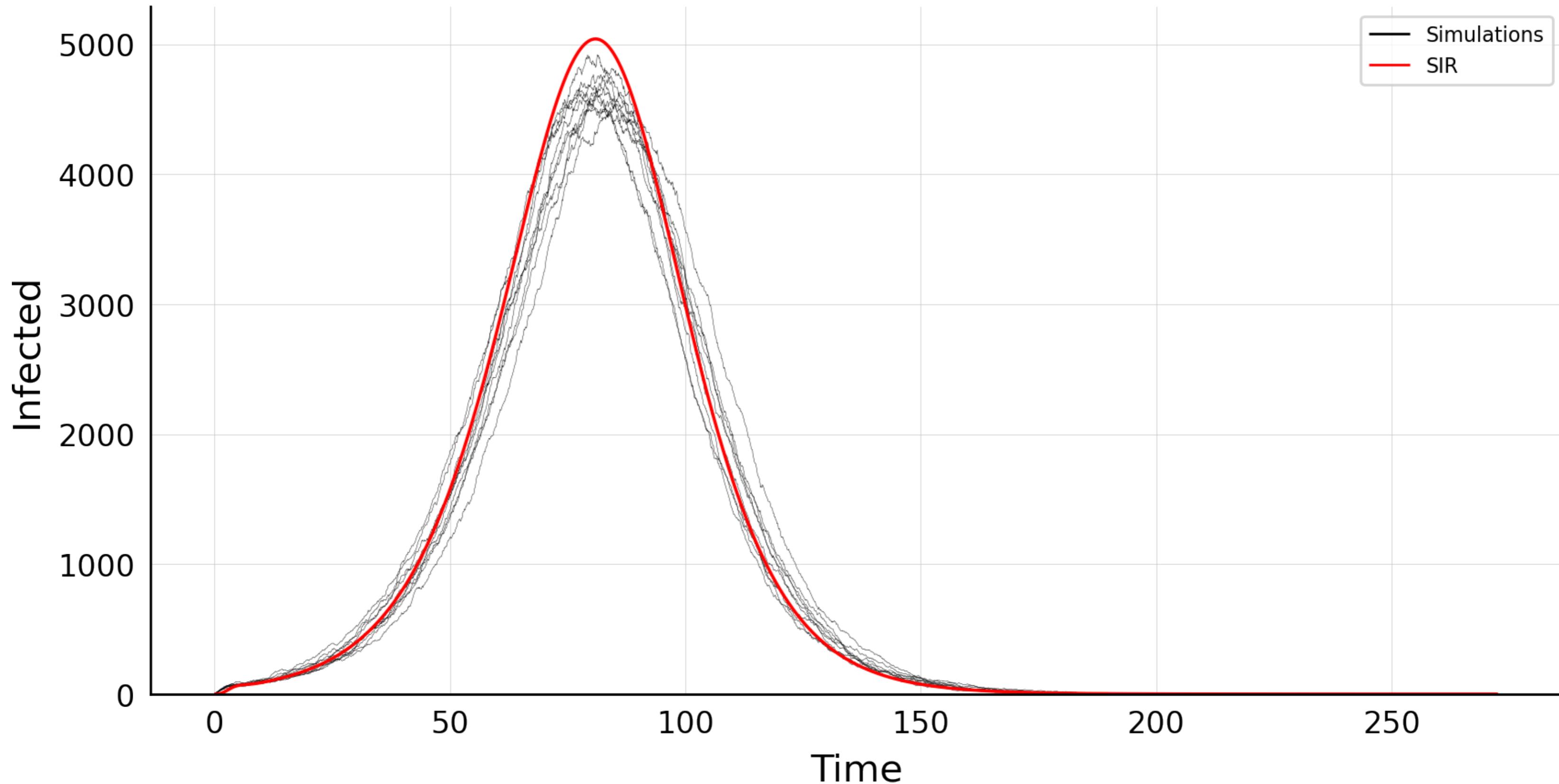
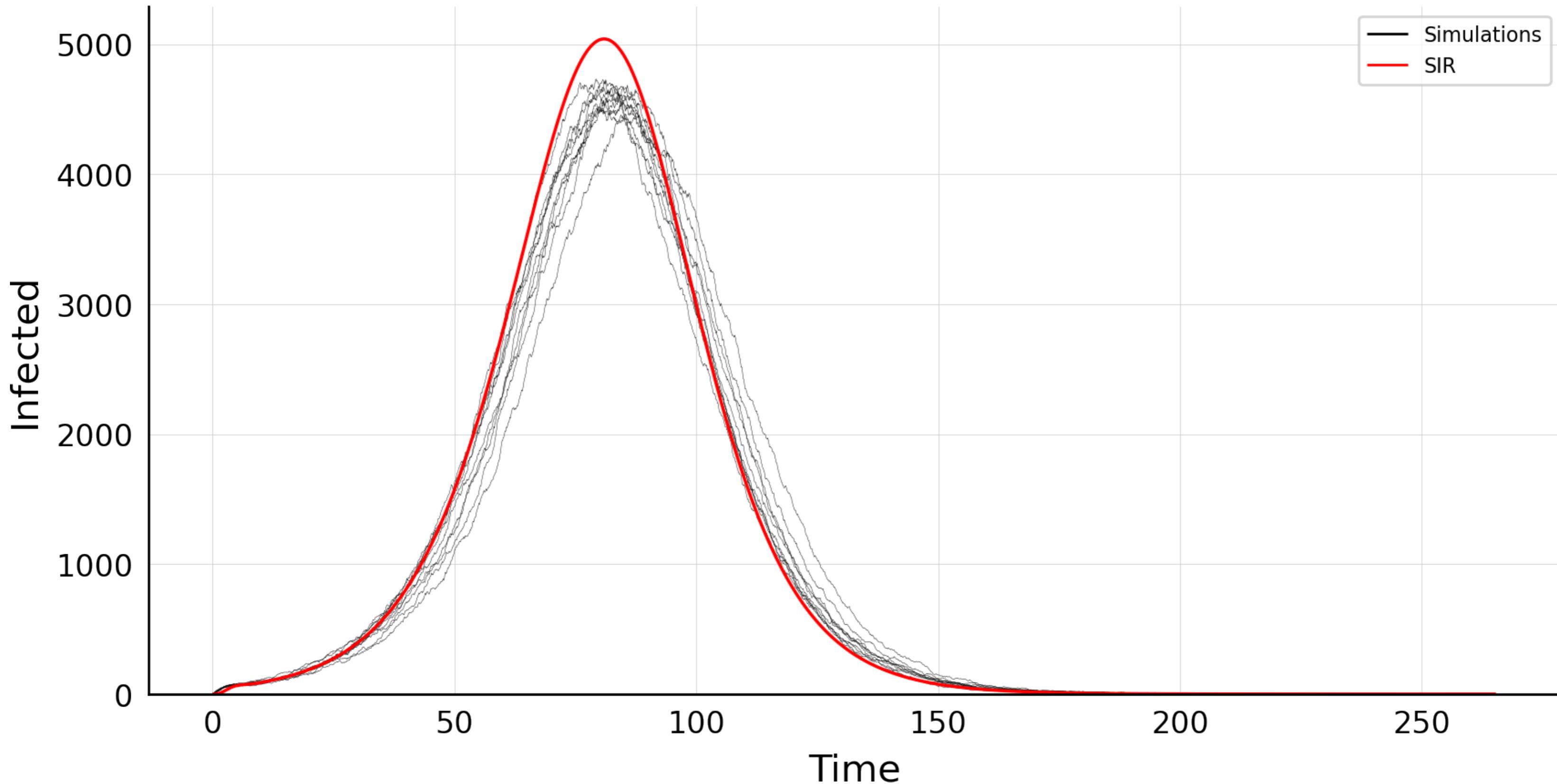


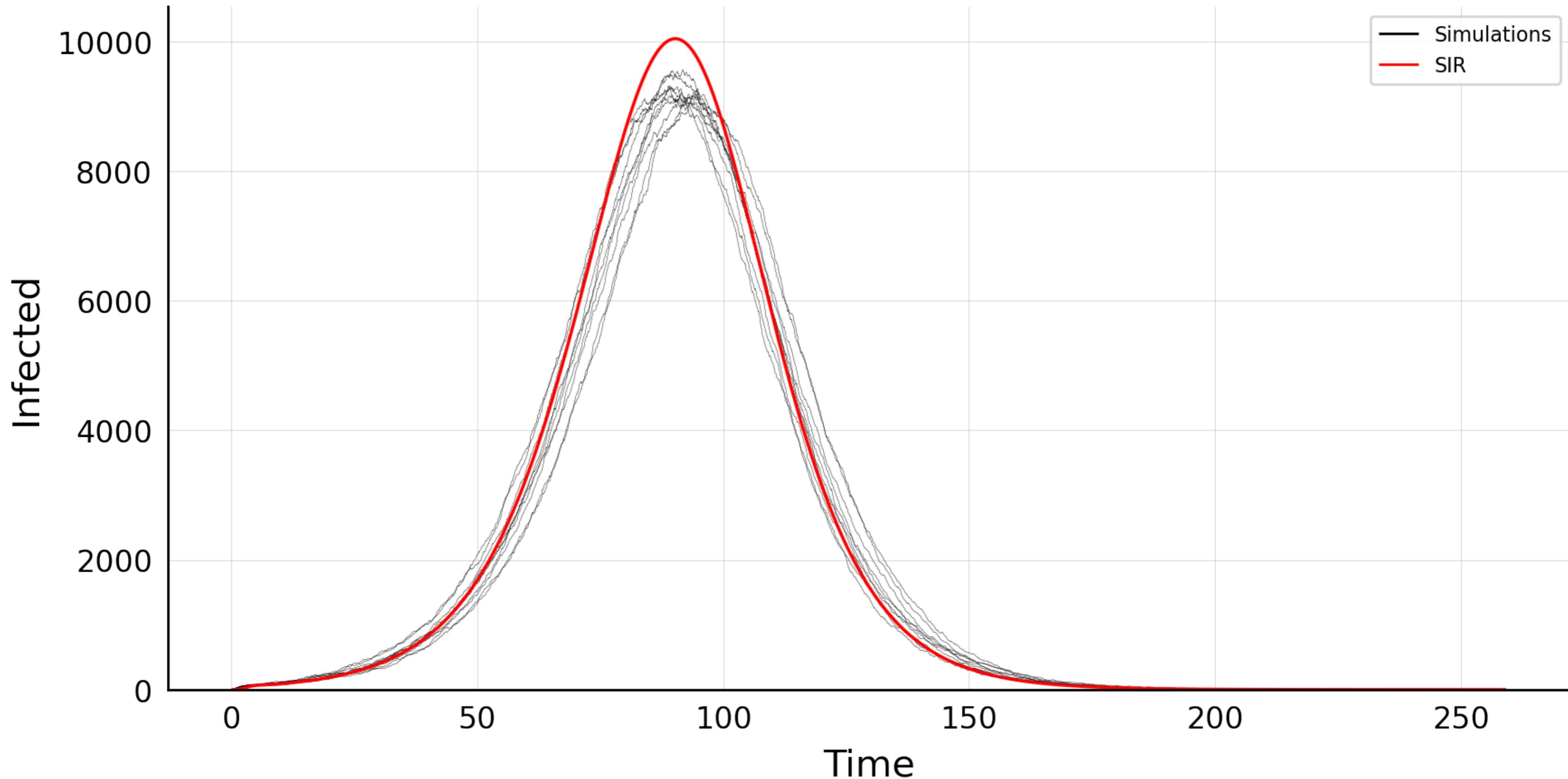
$N_{\text{tot}} = 100K$, $N_{\text{init}} = 100$, $N_{\text{ages}} = 1$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, $\rho = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, $\epsilon_\rho = 0.01$, $\beta_{\text{scaling}} = 1.0$, $\text{age}_{\text{mixing}} = 1.0$, $\text{algo}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



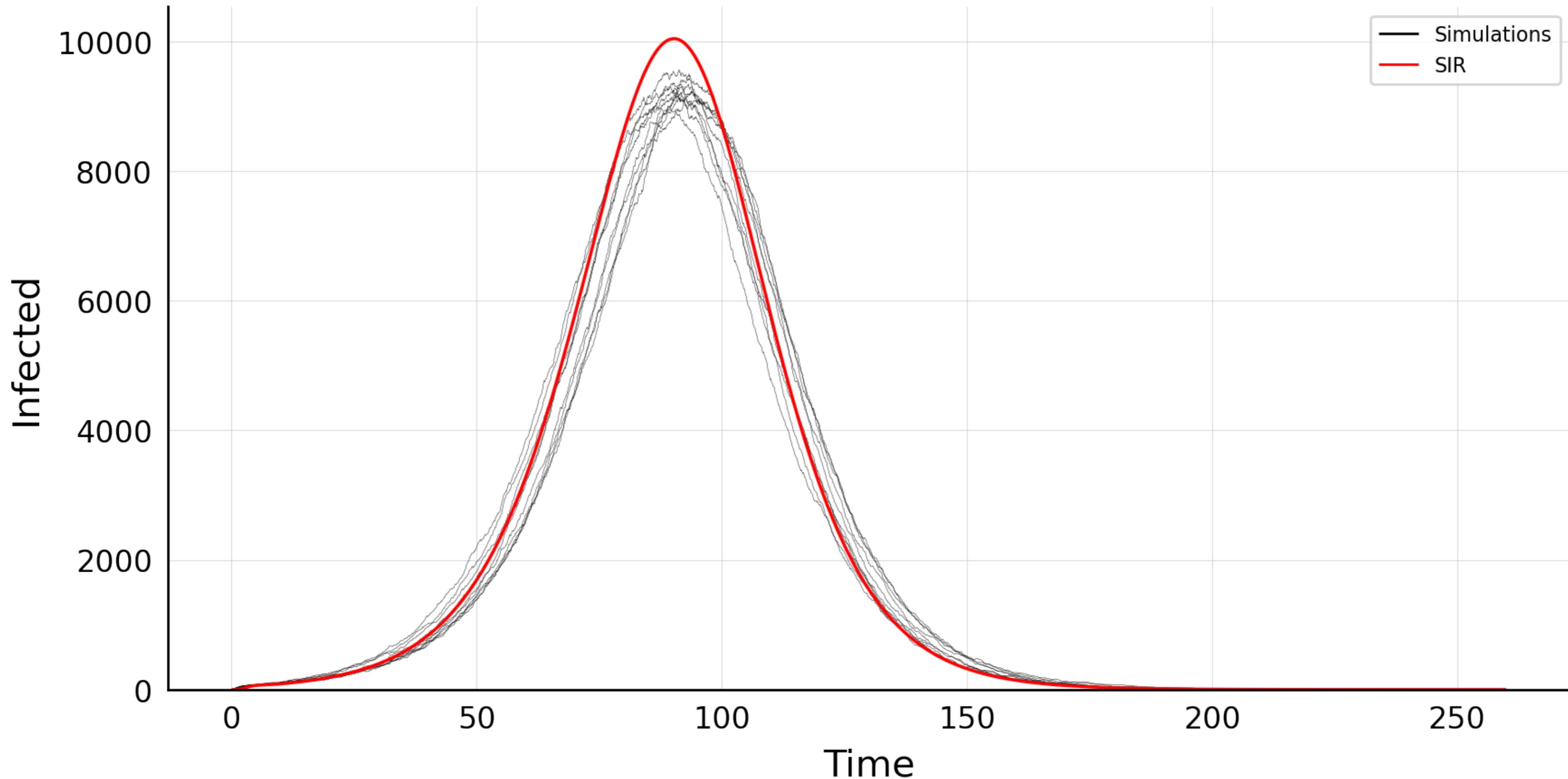
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 $\lambda_E = 1.0$, $\lambda_I = 1.0$, $\epsilon_\rho = 0.01$, $\beta_{\text{scaling}} = 1.0$, $\text{age}_{\text{mixing}} = 1.0$, $\text{algo} = 2$, $\#10$



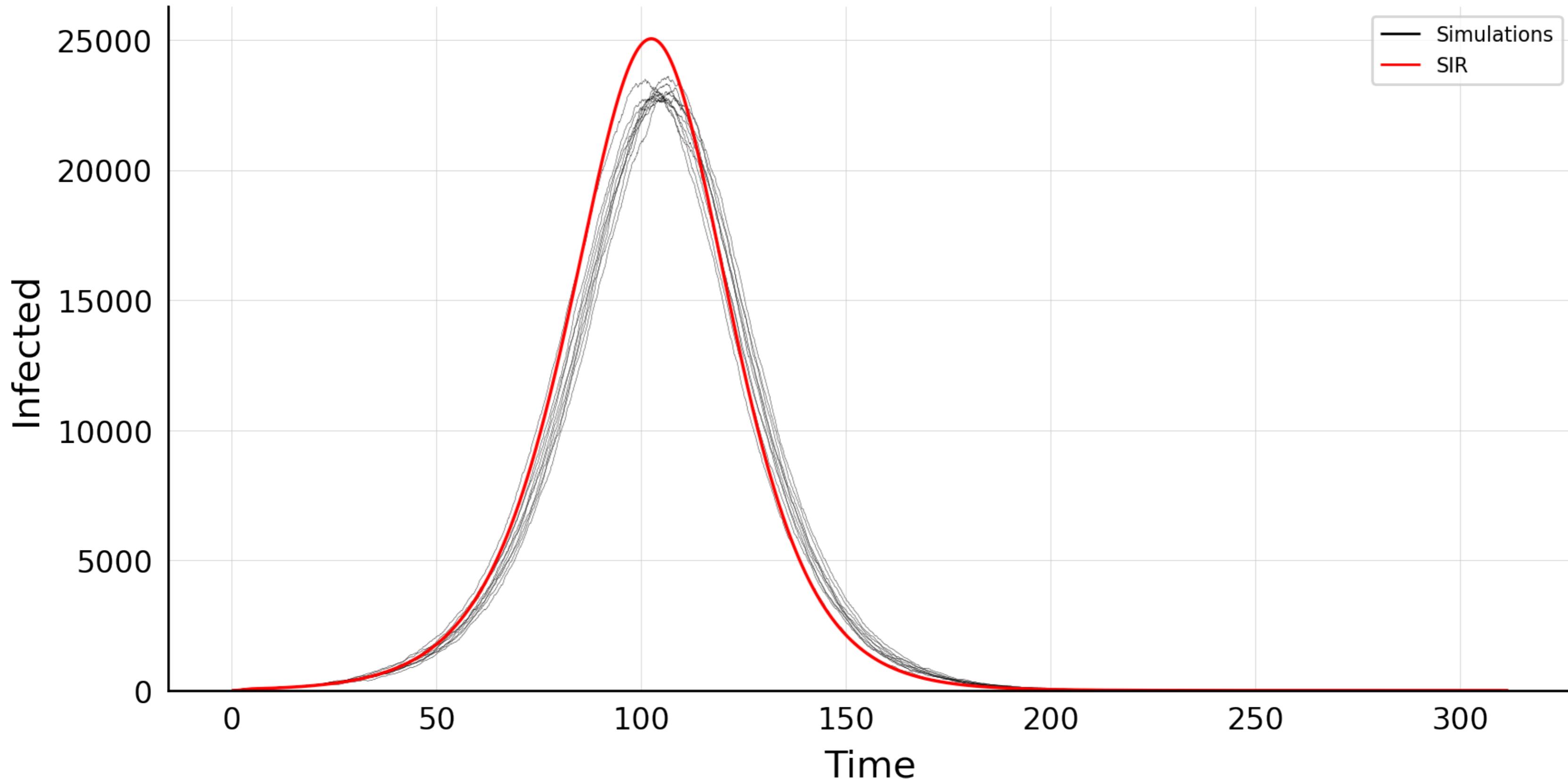
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 $\lambda_E = 1.0$, $\lambda_I = 1.0$, $\epsilon_\rho = 0.01$, $\beta_{\text{scaling}} = 1.0$, $\text{age}_{\text{mixing}} = 1.0$, $\text{algo} = 1$, #10



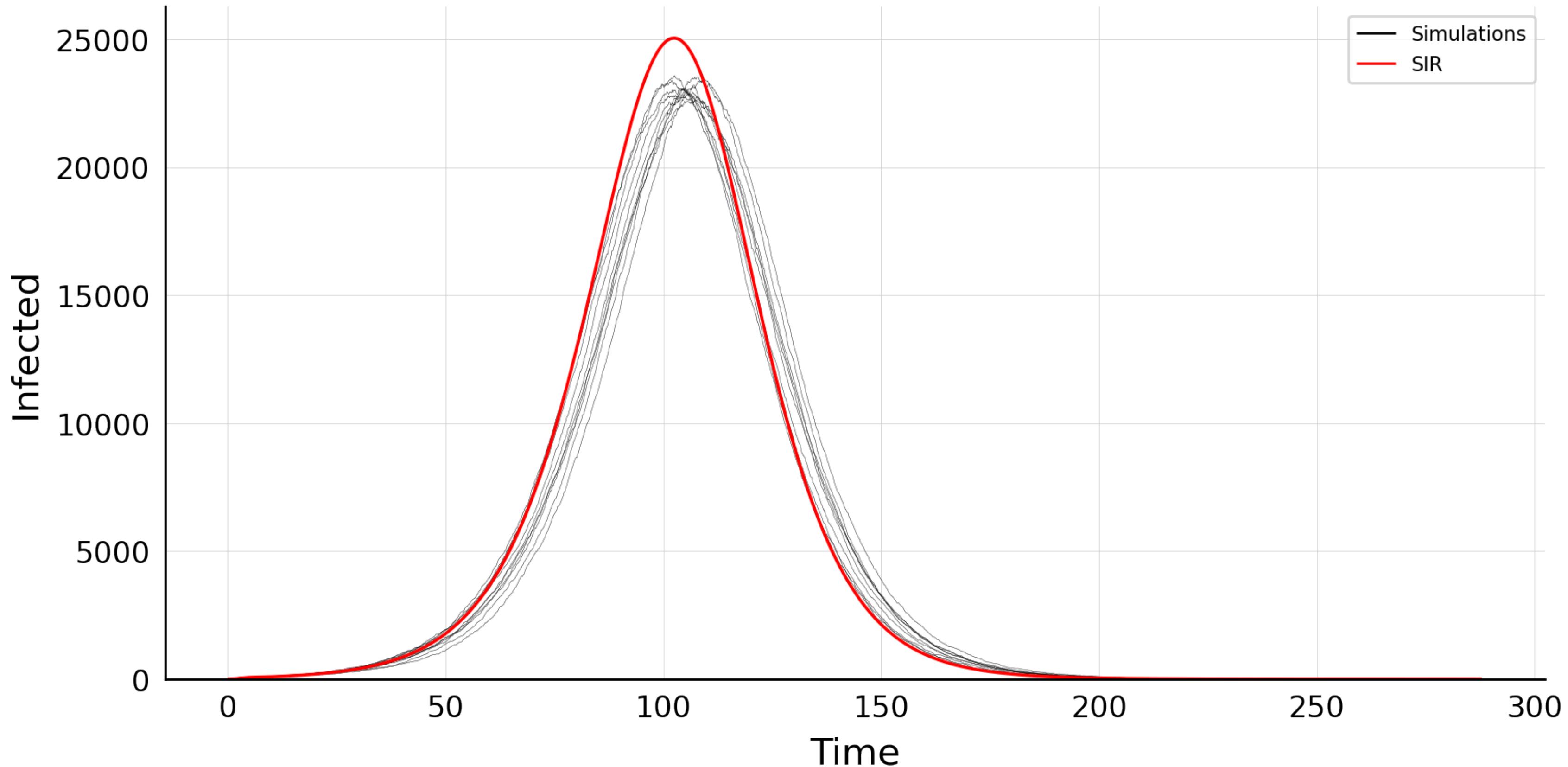
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 $\lambda_E = 1.0$, $\lambda_I = 1.0$, $\epsilon_\rho = 0.01$, $\beta_{\text{scaling}} = 1.0$, $\text{age}_{\text{mixing}} = 1.0$, $\text{algo} = 2$, #10



$N_{\text{tot}} = 500K$, $N_{\text{init}} = 100$, $N_{\text{ages}} = 1$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, $\rho = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, $\epsilon_\rho = 0.01$, $\beta_{\text{scaling}} = 1.0$, $\text{age}_{\text{mixing}} = 1.0$, $\text{algo} = 1$, #10

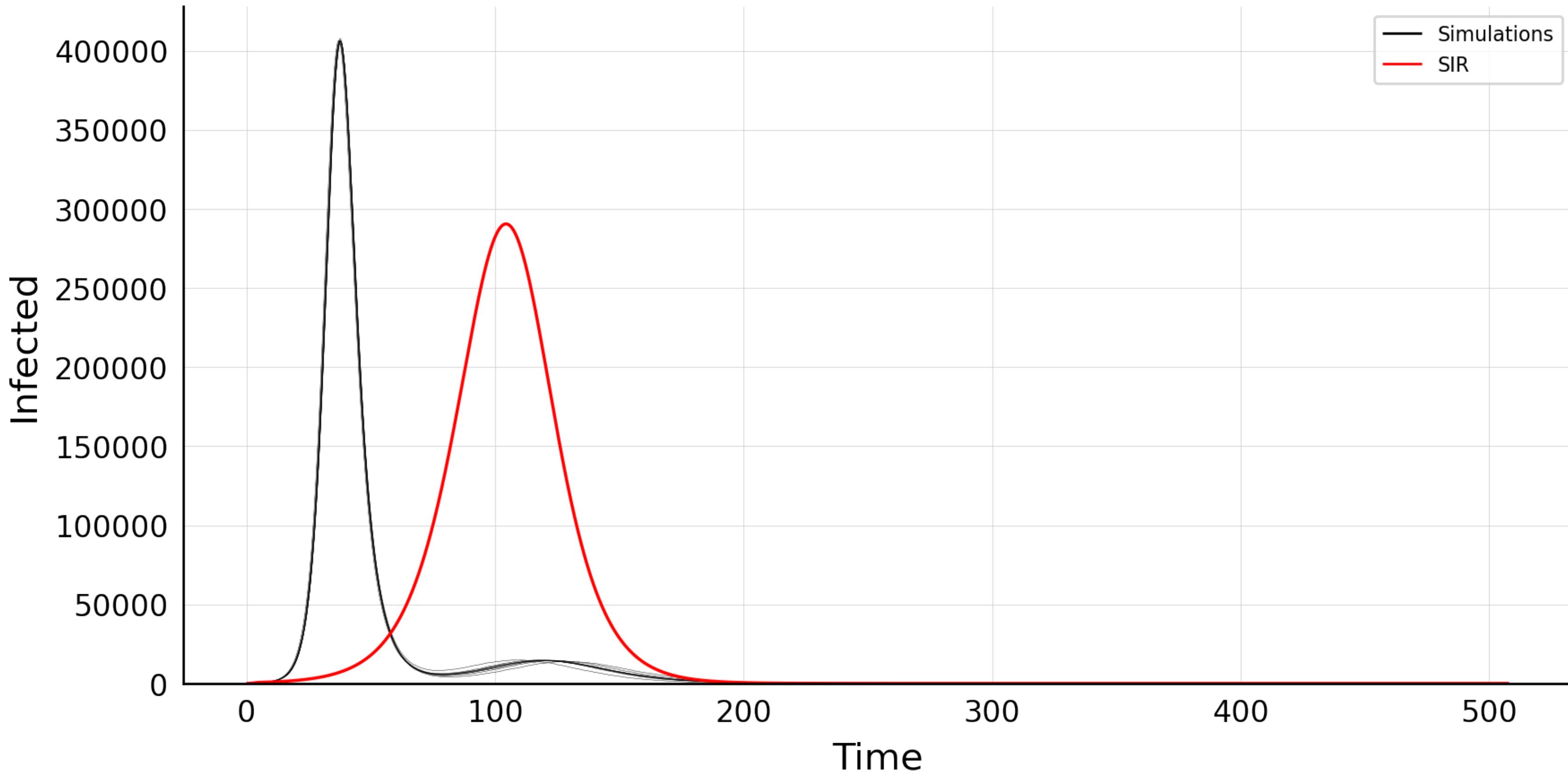


$N_{\text{tot}} = 500K$, $N_{\text{init}} = 100$, $N_{\text{ages}} = 1$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, $\rho = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, $\epsilon_\rho = 0.01$, $\beta_{\text{scaling}} = 1.0$, $\text{age}_{\text{mixing}} = 1.0$, $\text{algo} = 2$, #10



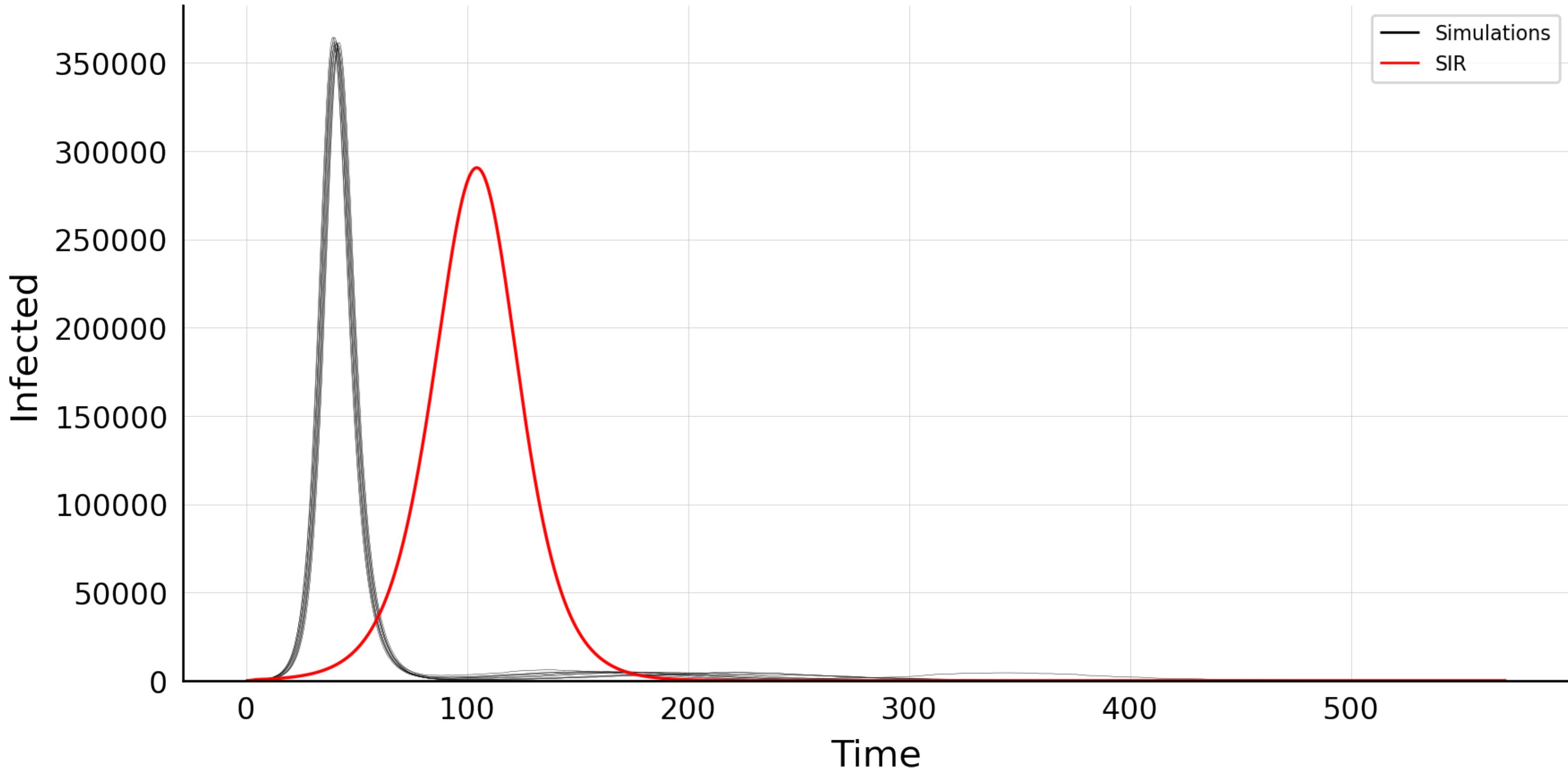
$N_{\text{tot}} = 5.8M$, $N_{\text{init}} = 1K$, $N_{\text{ages}} = 1$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, $\rho = 100.0$

$\lambda_E = 1.0$, $\lambda_I = 1.0$, $\epsilon_\rho = 0.0$, $\beta_{\text{scaling}} = 1.0$, $\text{age}_{\text{mixing}} = 1.0$, $\text{algo} = 2$, #10



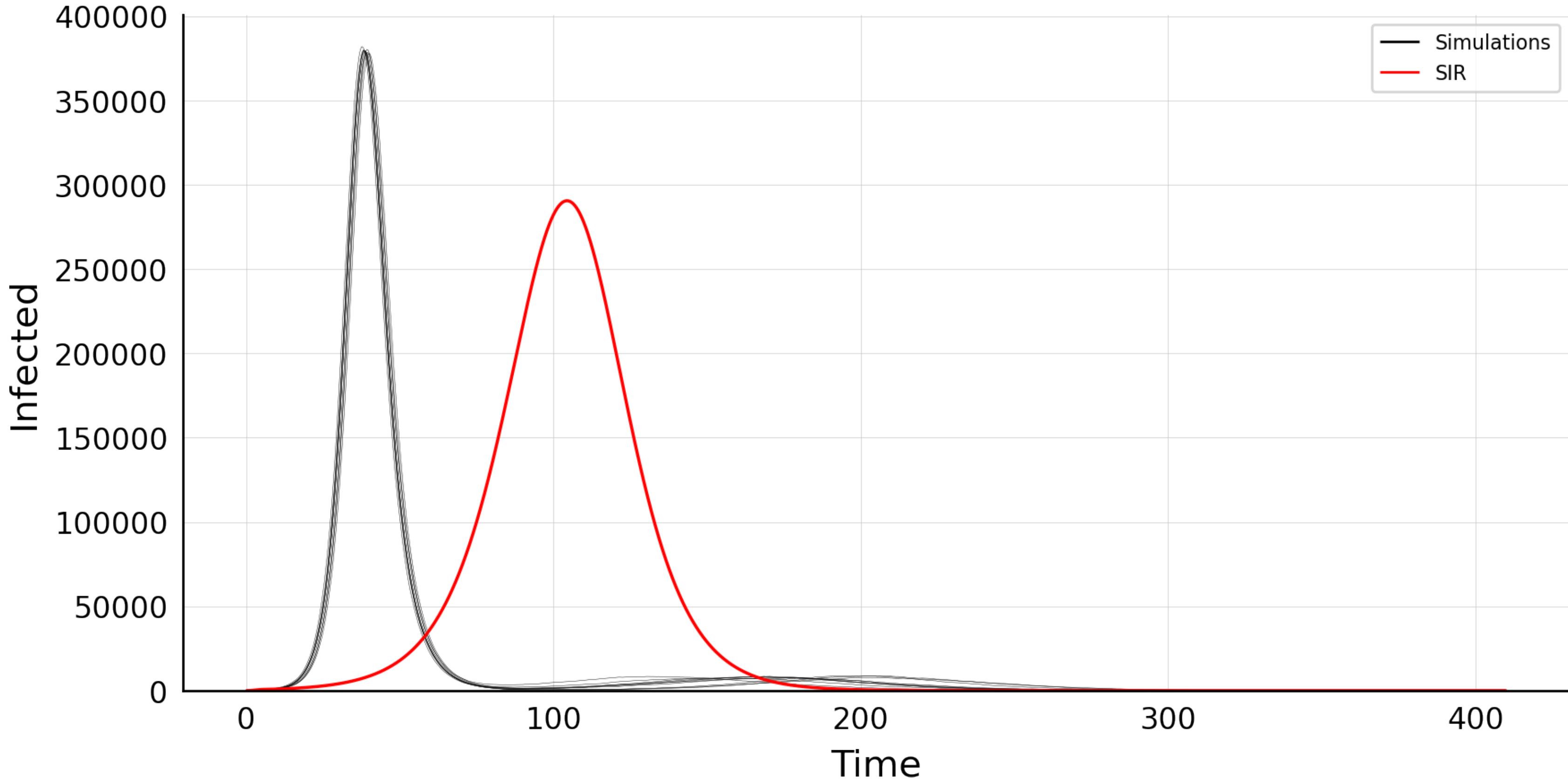
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$\lambda_E = 1.0$, $\lambda_I = 1.0$, $\epsilon_\rho = 0.0$, $\beta_{\text{scaling}} = 100.0$, $\text{age}_{\text{mixing}} = 1.0$, $\text{algo} = 2$, #10



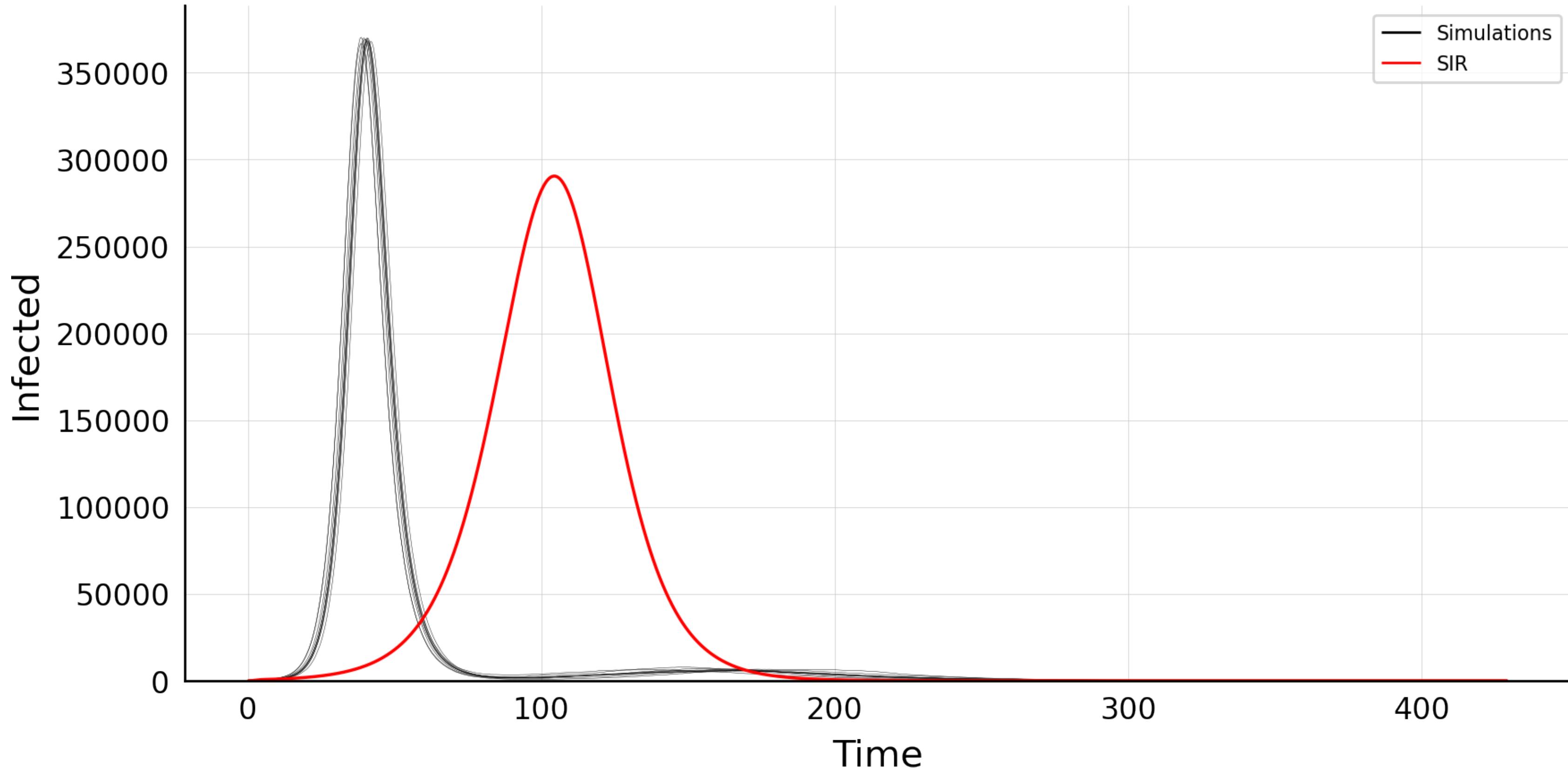
$N_{\text{tot}} = 5.8M$, $N_{\text{init}} = 1K$, $N_{\text{ages}} = 1$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, $\rho = 100.0$

$\lambda_E = 1.0$, $\lambda_I = 1.0$, $\epsilon_\rho = 0.0$, $\beta_{\text{scaling}} = 25.0$, $\text{age}_{\text{mixing}} = 1.0$, $\text{algo} = 2$, #10



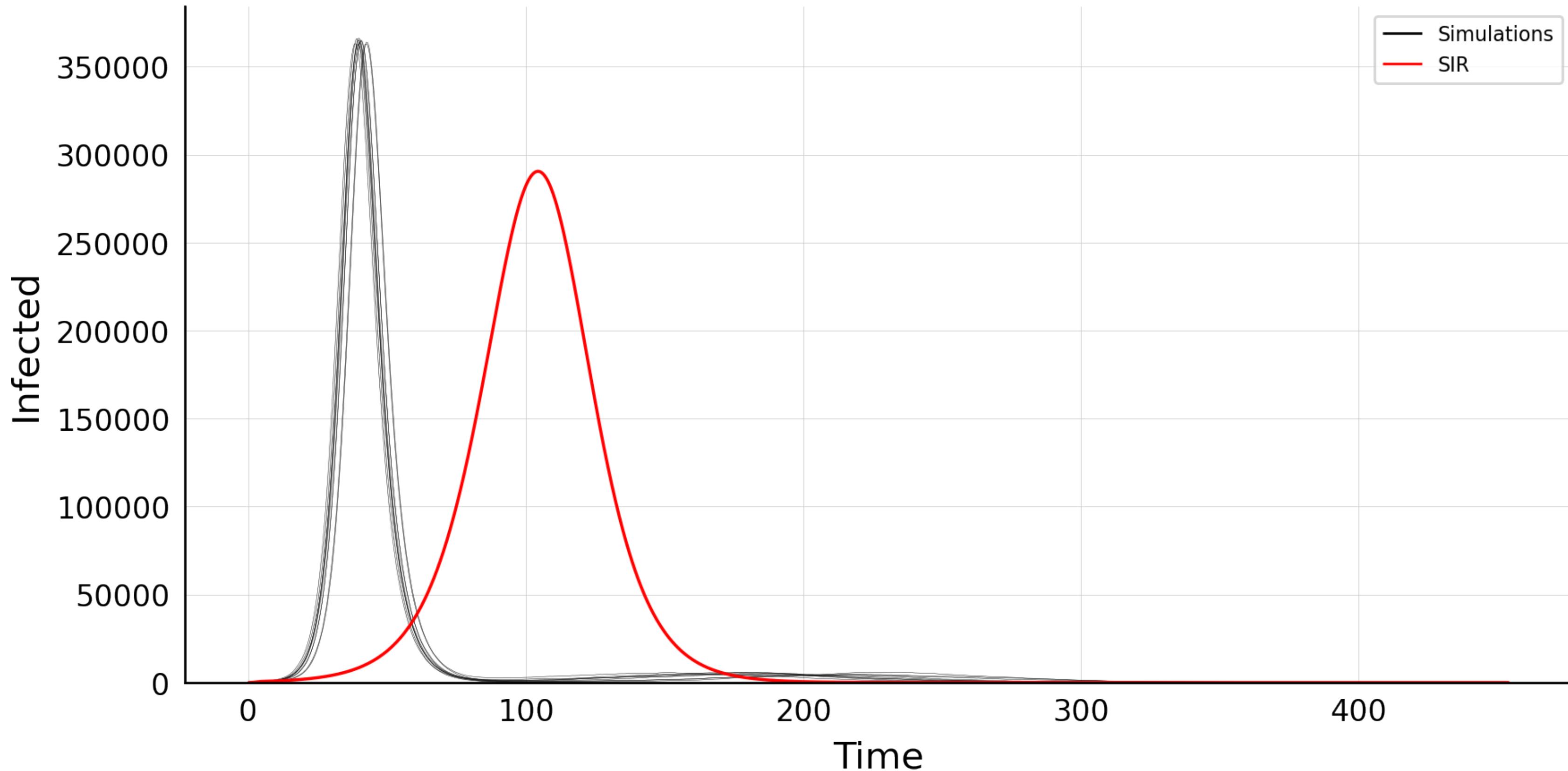
$N_{\text{tot}} = 5.8M$, $N_{\text{init}} = 1K$, $N_{\text{ages}} = 1$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, $\rho = 100.0$

$\lambda_E = 1.0$, $\lambda_I = 1.0$, $\epsilon_\rho = 0.0$, $\beta_{\text{scaling}} = 50.0$, $\text{age}_{\text{mixing}} = 1.0$, $\text{algo} = 2$, #10

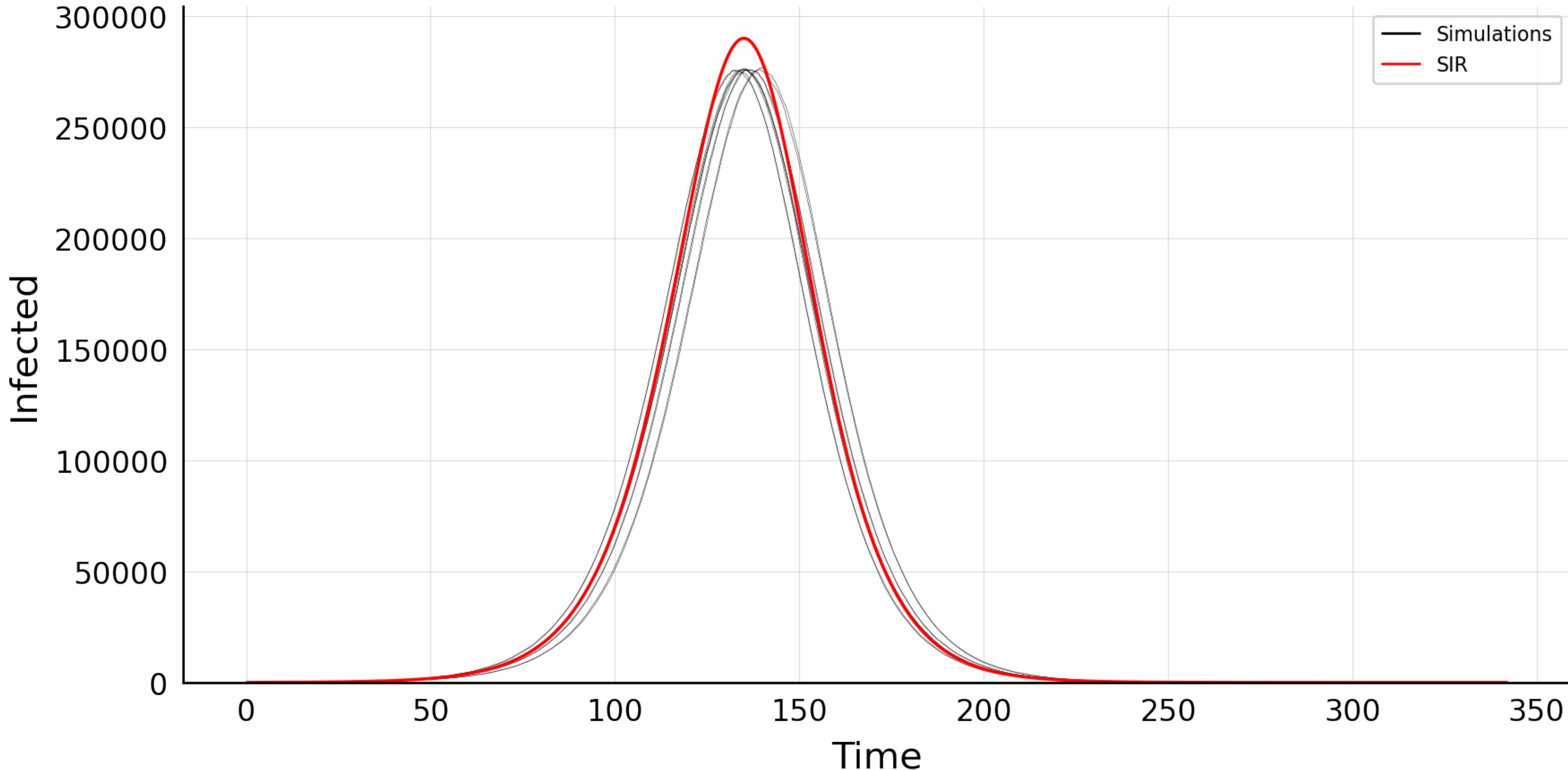


$N_{\text{tot}} = 5.8M$, $N_{\text{init}} = 1K$, $N_{\text{ages}} = 1$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, $\rho = 100.0$

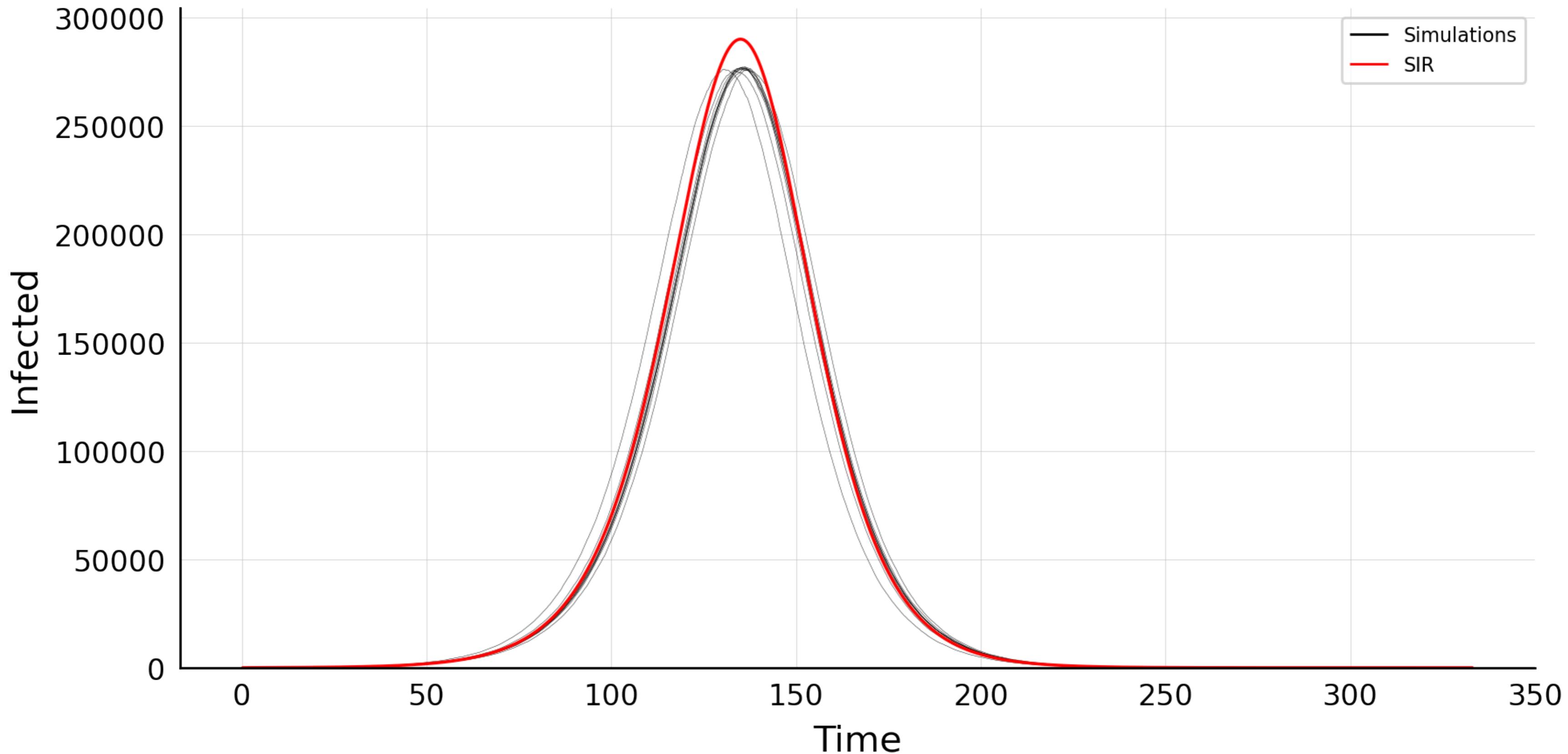
$\lambda_E = 1.0$, $\lambda_I = 1.0$, $\epsilon_\rho = 0.0$, $\beta_{\text{scaling}} = 75.0$, $\text{age}_{\text{mixing}} = 1.0$, $\text{algo} = 2$, #10



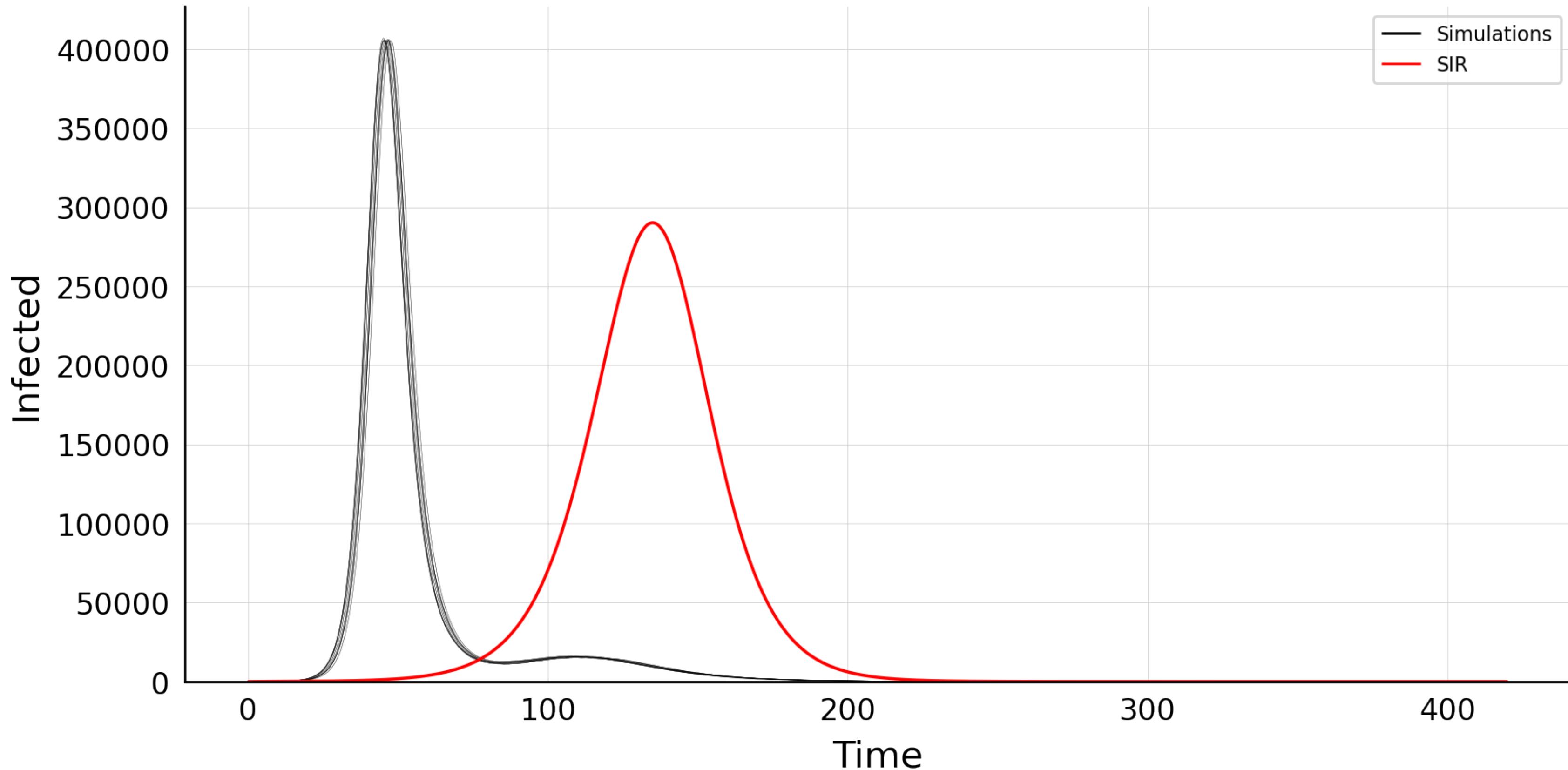
$N_{\text{tot}} = 5.8M$, $N_{\text{init}} = 100$, $N_{\text{ages}} = 1$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, $\rho = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, $\epsilon_\rho = 0.01$, $\beta_{\text{scaling}} = 1.0$, $\text{age}_{\text{mixing}} = 1.0$, $\text{algo} = 2$, #10



$N_{\text{tot}} = 5.8M$, $N_{\text{init}} = 100$, $N_{\text{ages}} = 1$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, $\rho = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, $\epsilon_\rho = 0.0$, $\beta_{\text{scaling}} = 1.0$, $\text{age}_{\text{mixing}} = 1.0$, $\text{algo} = 2$, #10

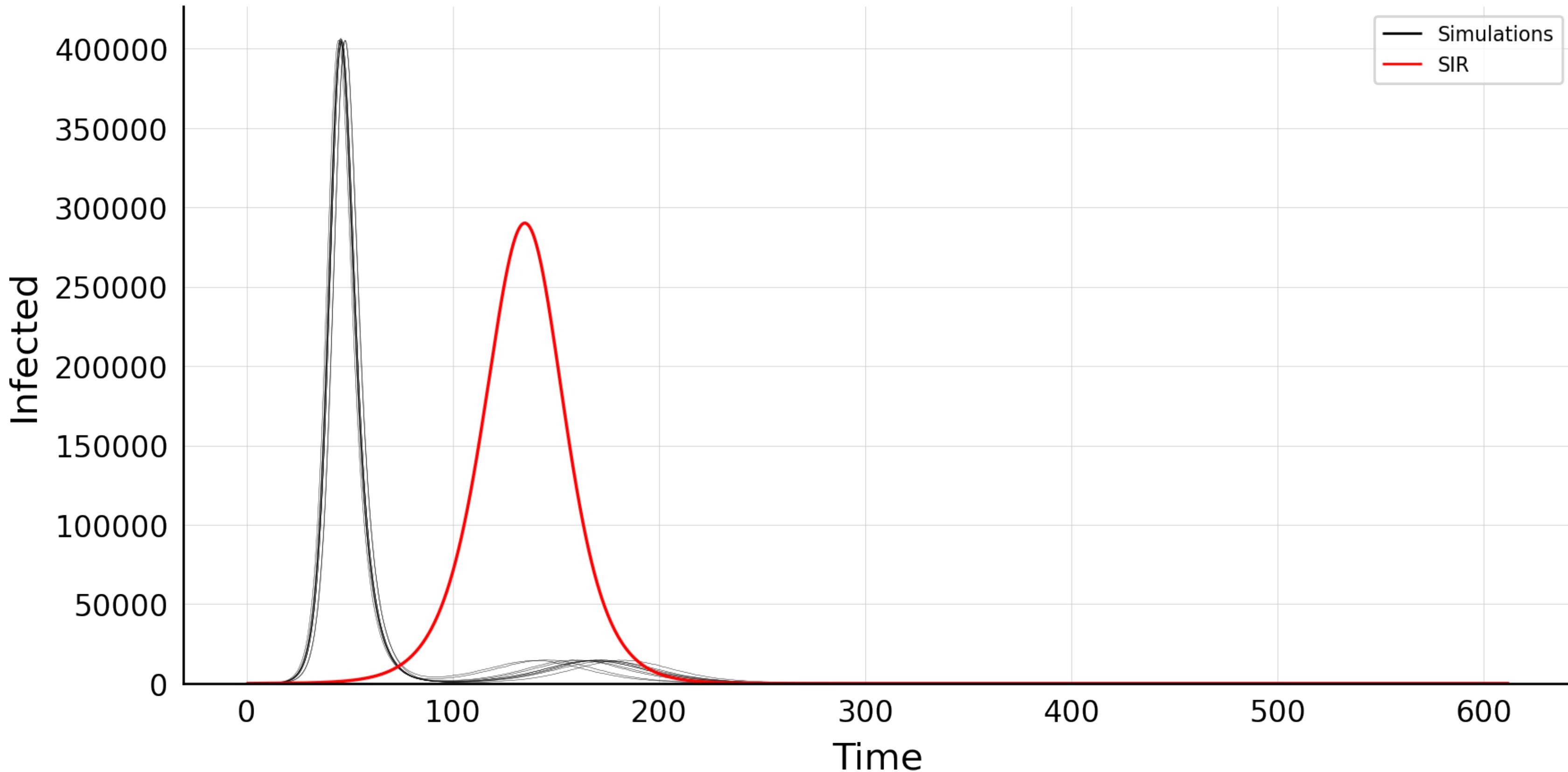


$N_{\text{tot}} = 5.8M$, $N_{\text{init}} = 100$, $N_{\text{ages}} = 1$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, $\rho = 100.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, $\epsilon_\rho = 0.01$, $\beta_{\text{scaling}} = 1.0$, $\text{age}_{\text{mixing}} = 1.0$, $\text{algo} = 2$, #10



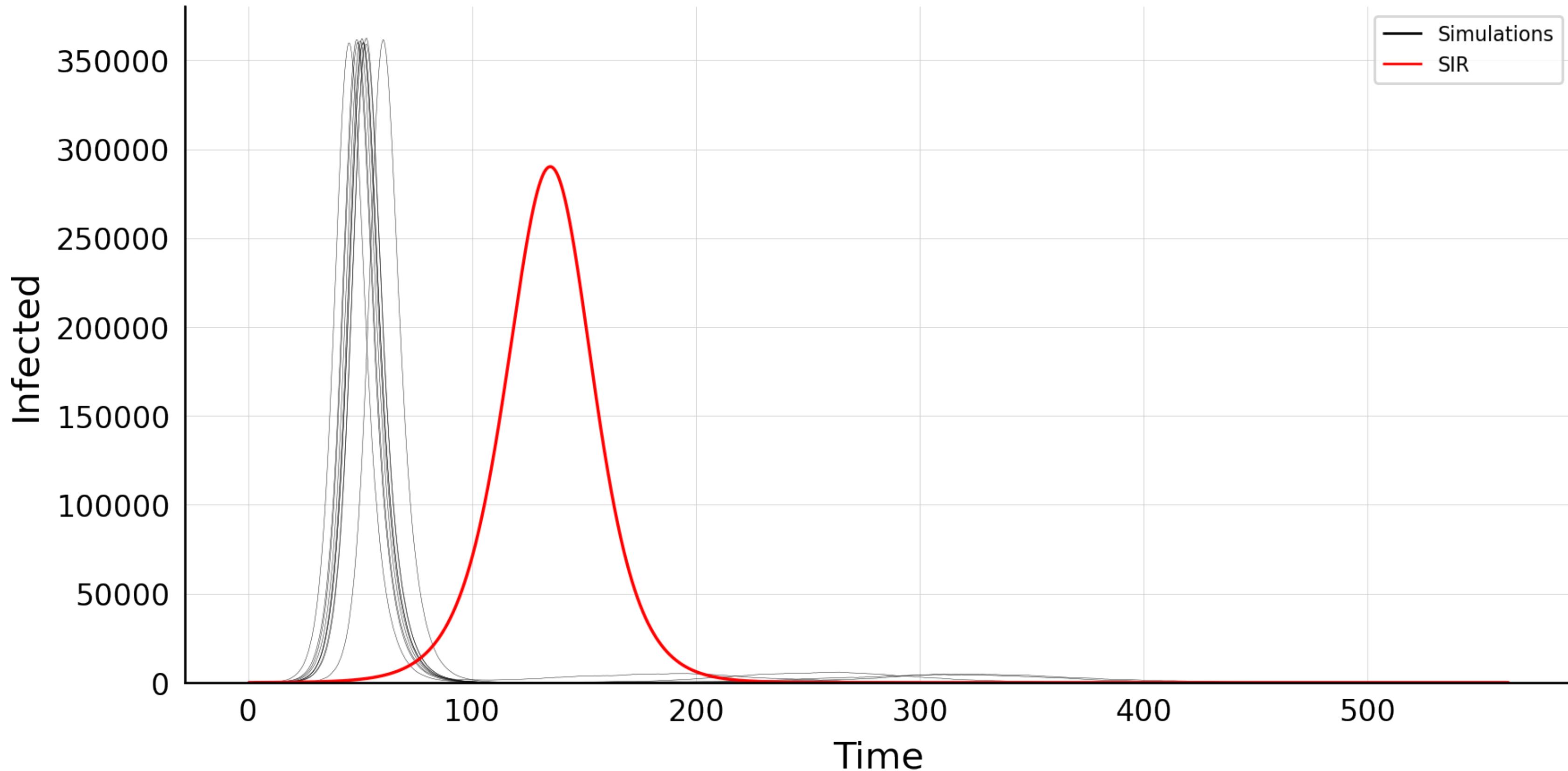
$N_{\text{tot}} = 5.8M$, $N_{\text{init}} = 100$, $N_{\text{ages}} = 1$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, $\rho = 100.0$

$\lambda_E = 1.0$, $\lambda_I = 1.0$, $\epsilon_\rho = 0.0$, $\beta_{\text{scaling}} = 1.0$, $\text{age}_{\text{mixing}} = 1.0$, $\text{algo} = 2$, #10



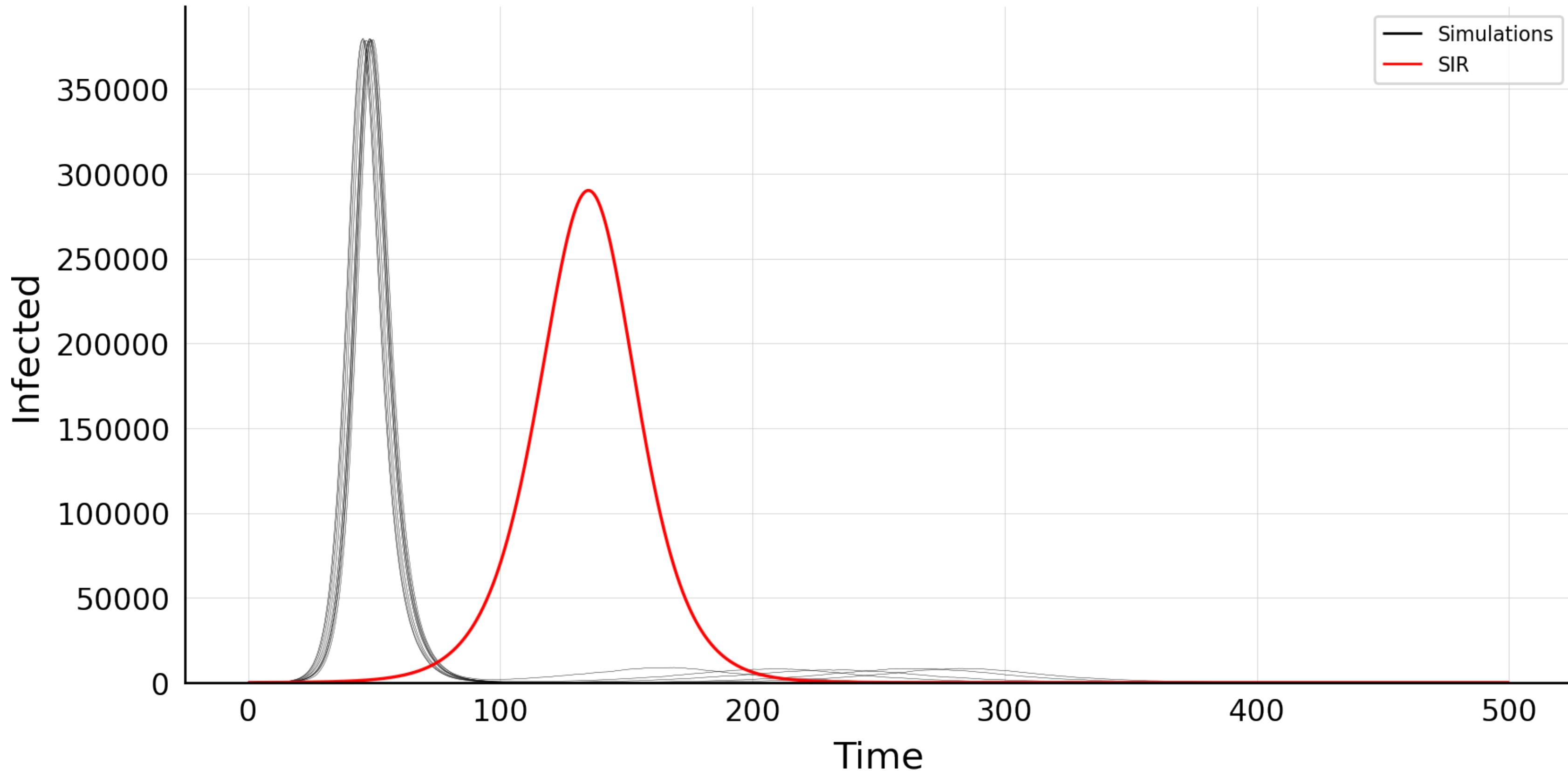
$N_{\text{tot}} = 5.8M$, $N_{\text{init}} = 100$, $N_{\text{ages}} = 1$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, $\rho = 100.0$

$\lambda_E = 1.0$, $\lambda_I = 1.0$, $\epsilon_\rho = 0.0$, $\beta_{\text{scaling}} = 100.0$, $\text{age}_{\text{mixing}} = 1.0$, $\text{algo} = 2$, #10



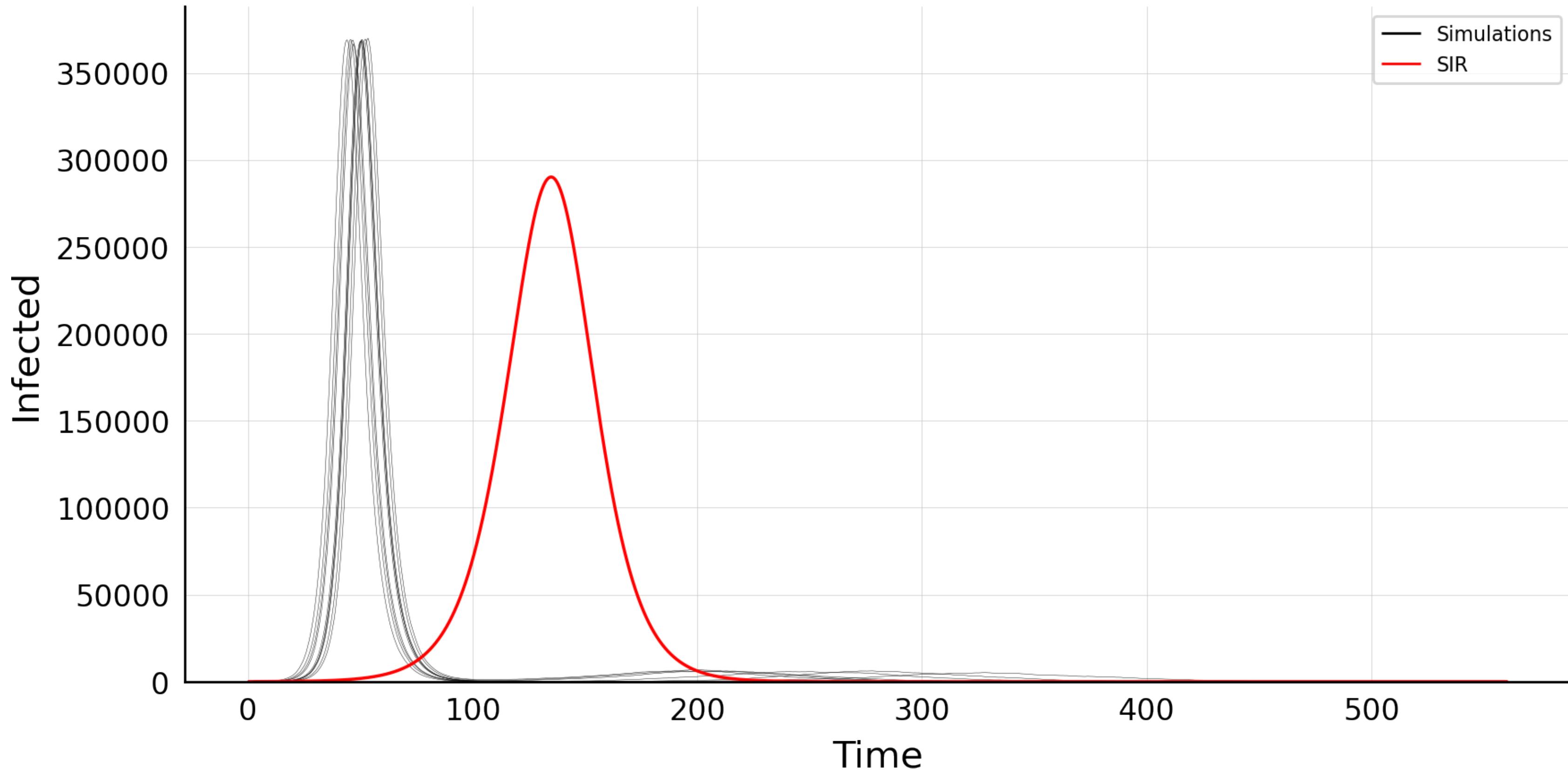
$N_{\text{tot}} = 5.8M$, $N_{\text{init}} = 100$, $N_{\text{ages}} = 1$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, $\rho = 100.0$

$\lambda_E = 1.0$, $\lambda_I = 1.0$, $\epsilon_\rho = 0.0$, $\beta_{\text{scaling}} = 25.0$, $\text{age}_{\text{mixing}} = 1.0$, $\text{algo} = 2$, #10

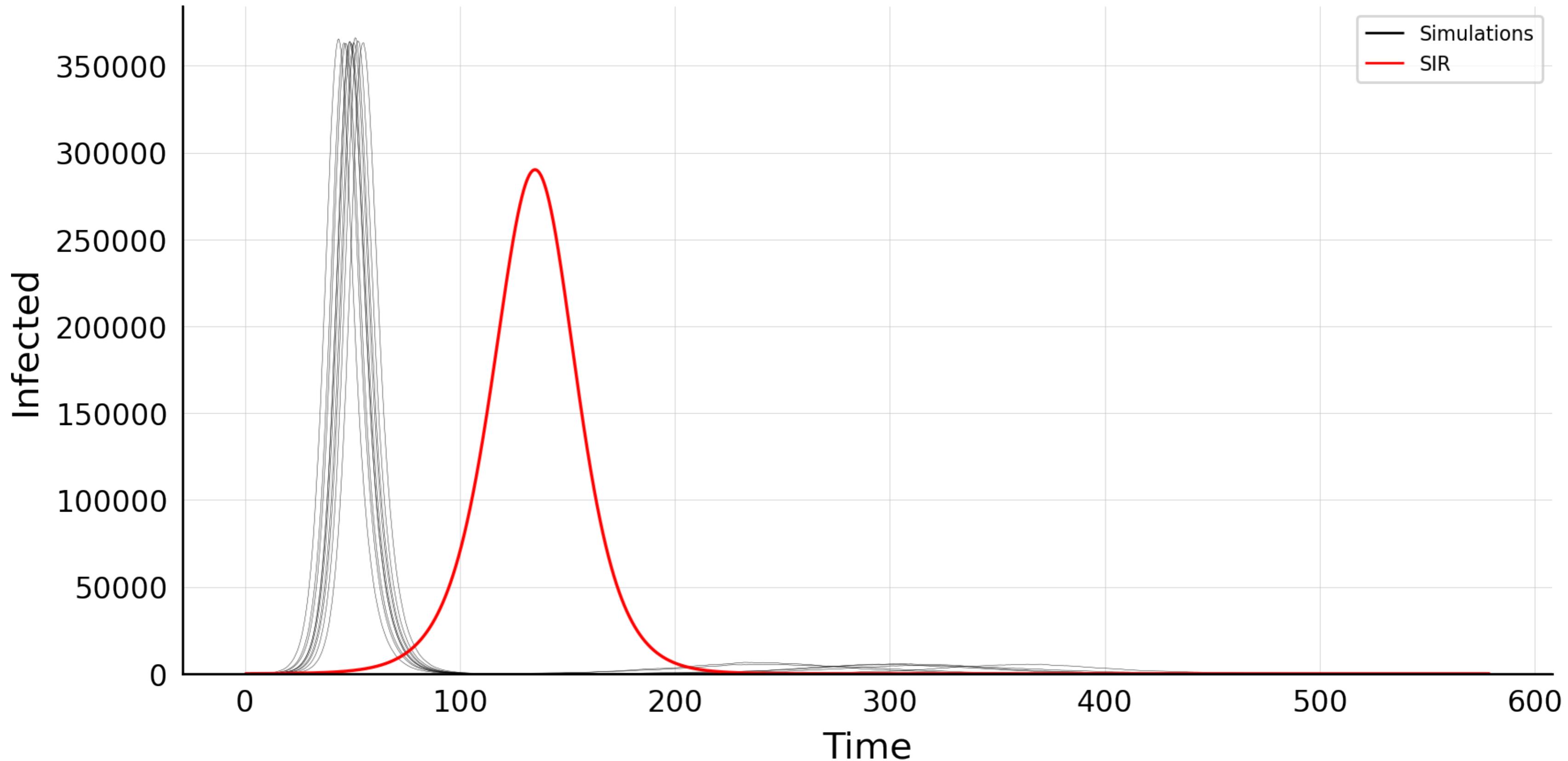


$N_{\text{tot}} = 5.8M$, $N_{\text{init}} = 100$, $N_{\text{ages}} = 1$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, $\rho = 100.0$

$\lambda_E = 1.0$, $\lambda_I = 1.0$, $\epsilon_\rho = 0.0$, $\beta_{\text{scaling}} = 50.0$, $\text{age}_{\text{mixing}} = 1.0$, $\text{algo} = 2$, #10

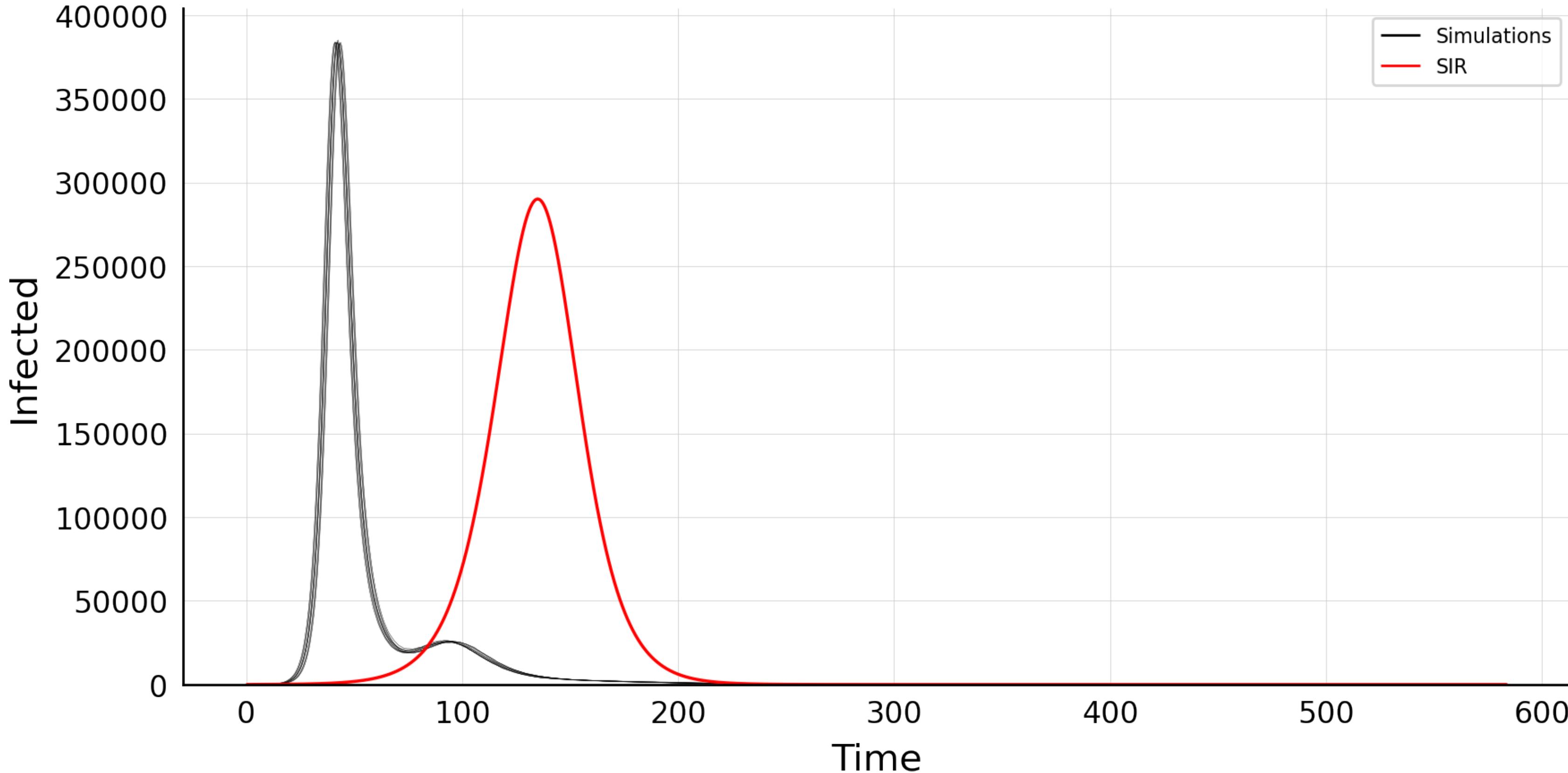


$N_{\text{tot}} = 5.8M$, $N_{\text{init}} = 100$, $N_{\text{ages}} = 1$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, $\rho = 100.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, $\epsilon_\rho = 0.0$, $\beta_{\text{scaling}} = 75.0$, $\text{age}_{\text{mixing}} = 1.0$, $\text{algo} = 2$, #10

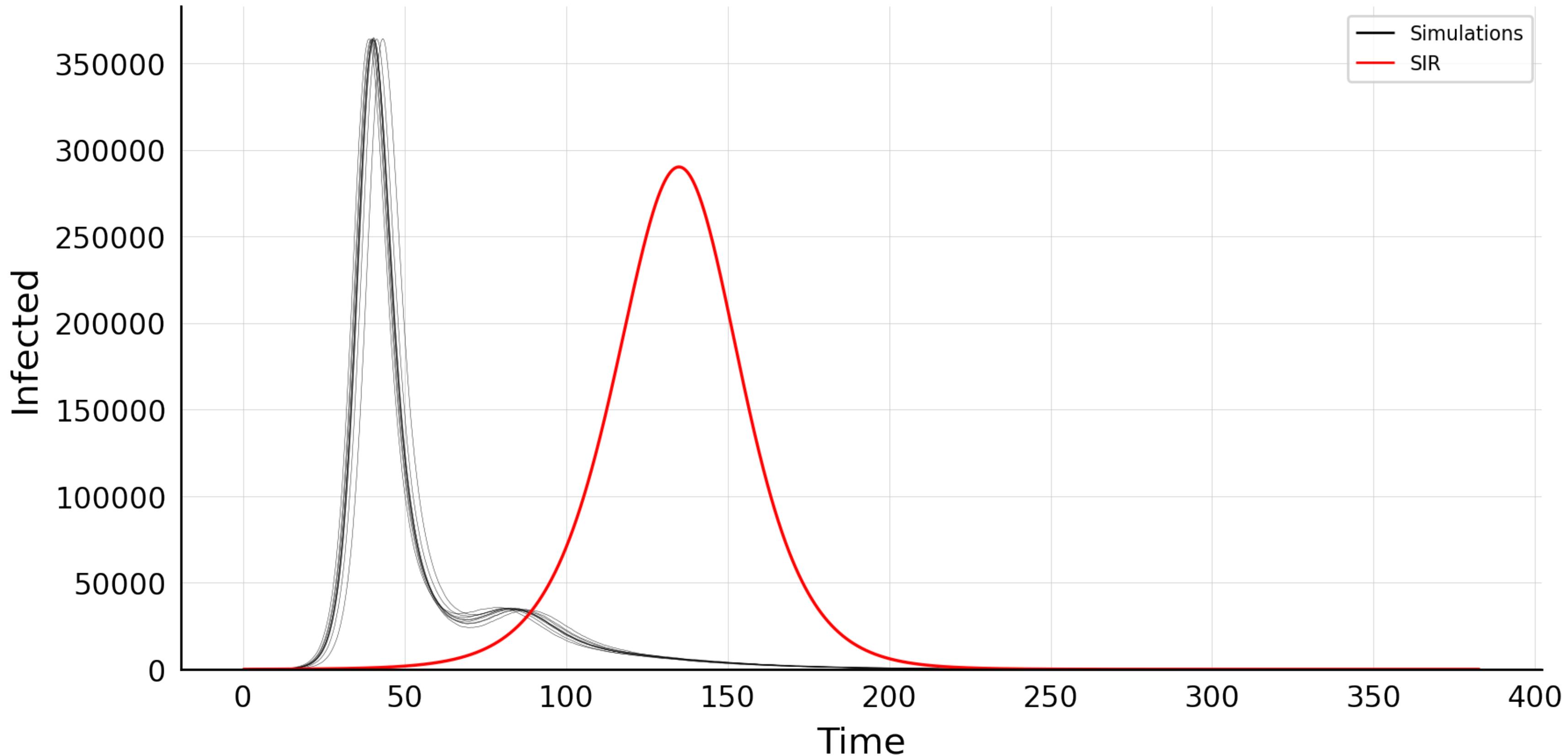


$N_{\text{tot}} = 5.8M$, $N_{\text{init}} = 100$, $N_{\text{ages}} = 1$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, $\rho = 150.0$

$\lambda_E = 1.0$, $\lambda_I = 1.0$, $\epsilon_\rho = 0.01$, $\beta_{\text{scaling}} = 1.0$, $\text{age}_{\text{mixing}} = 1.0$, $\text{algo} = 2$, #10

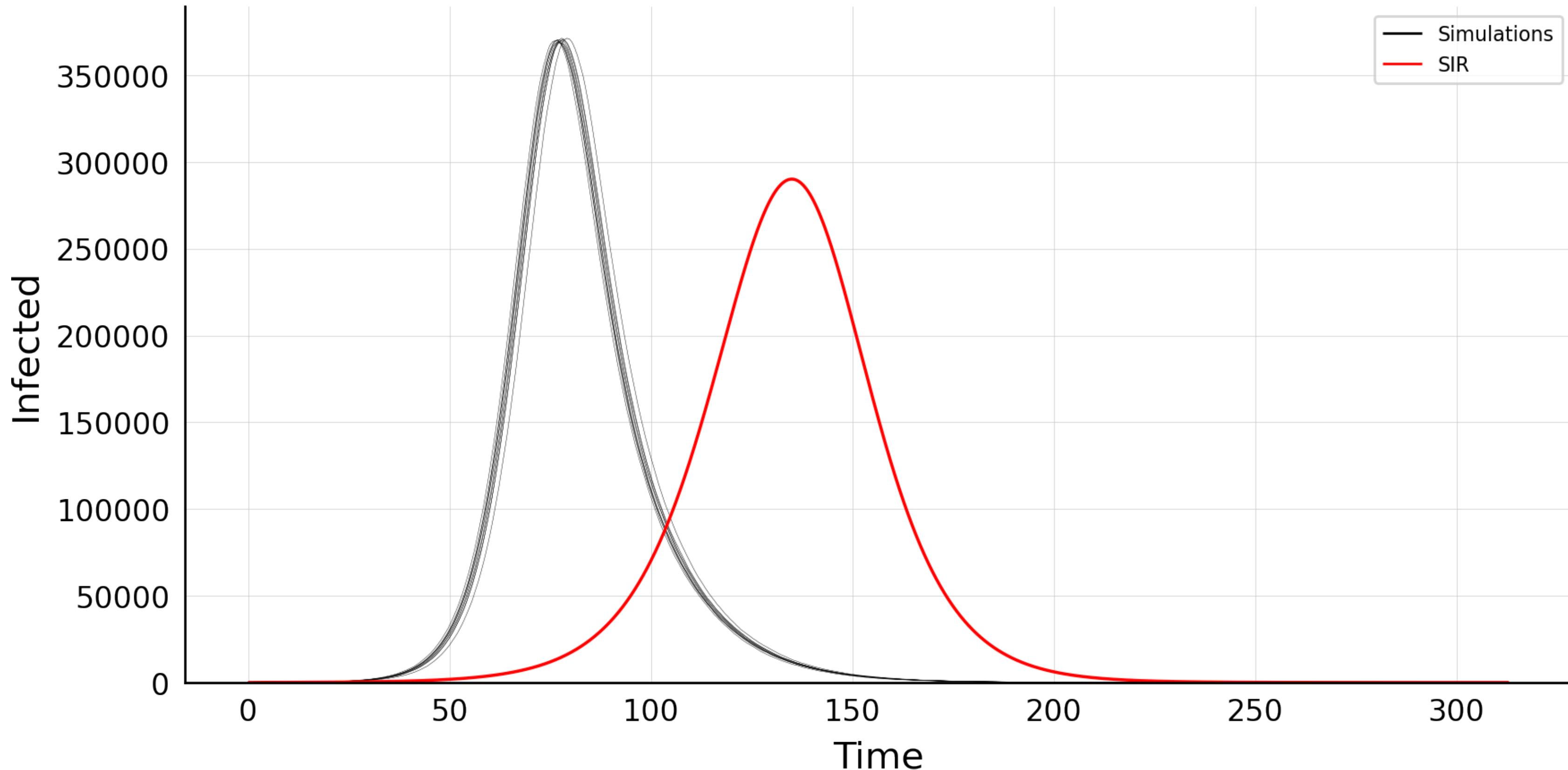


$N_{\text{tot}} = 5.8M$, $N_{\text{init}} = 100$, $N_{\text{ages}} = 1$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, $\rho = 200.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, $\epsilon_\rho = 0.01$, $\beta_{\text{scaling}} = 1.0$, $\text{age}_{\text{mixing}} = 1.0$, $\text{algo} = 2$, #10



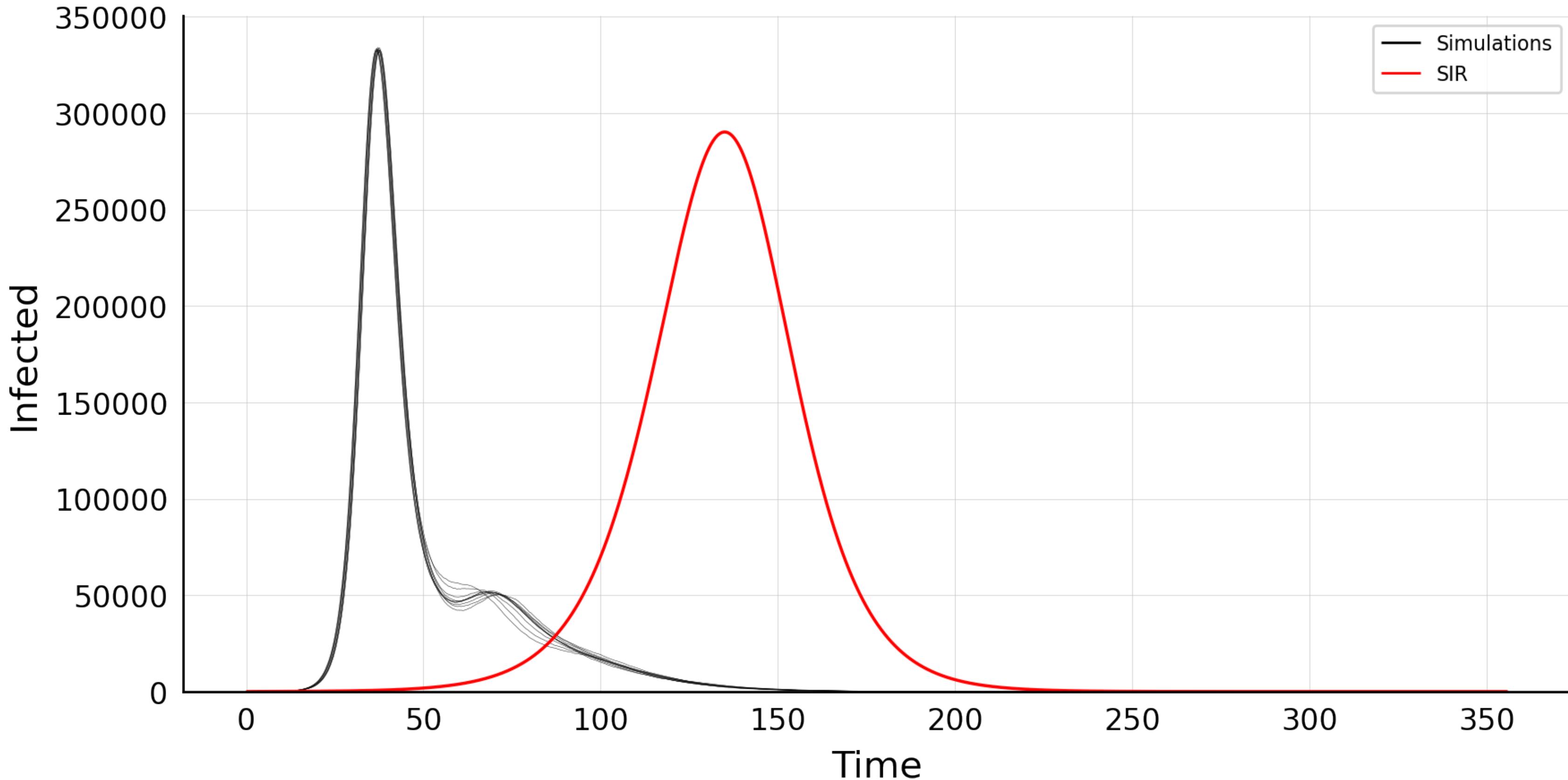
$N_{\text{tot}} = 5.8M$, $N_{\text{init}} = 100$, $N_{\text{ages}} = 1$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, $\rho = 25.0$

$\lambda_E = 1.0$, $\lambda_I = 1.0$, $\epsilon_\rho = 0.01$, $\beta_{\text{scaling}} = 1.0$, $\text{age}_{\text{mixing}} = 1.0$, $\text{algo} = 2$, #10



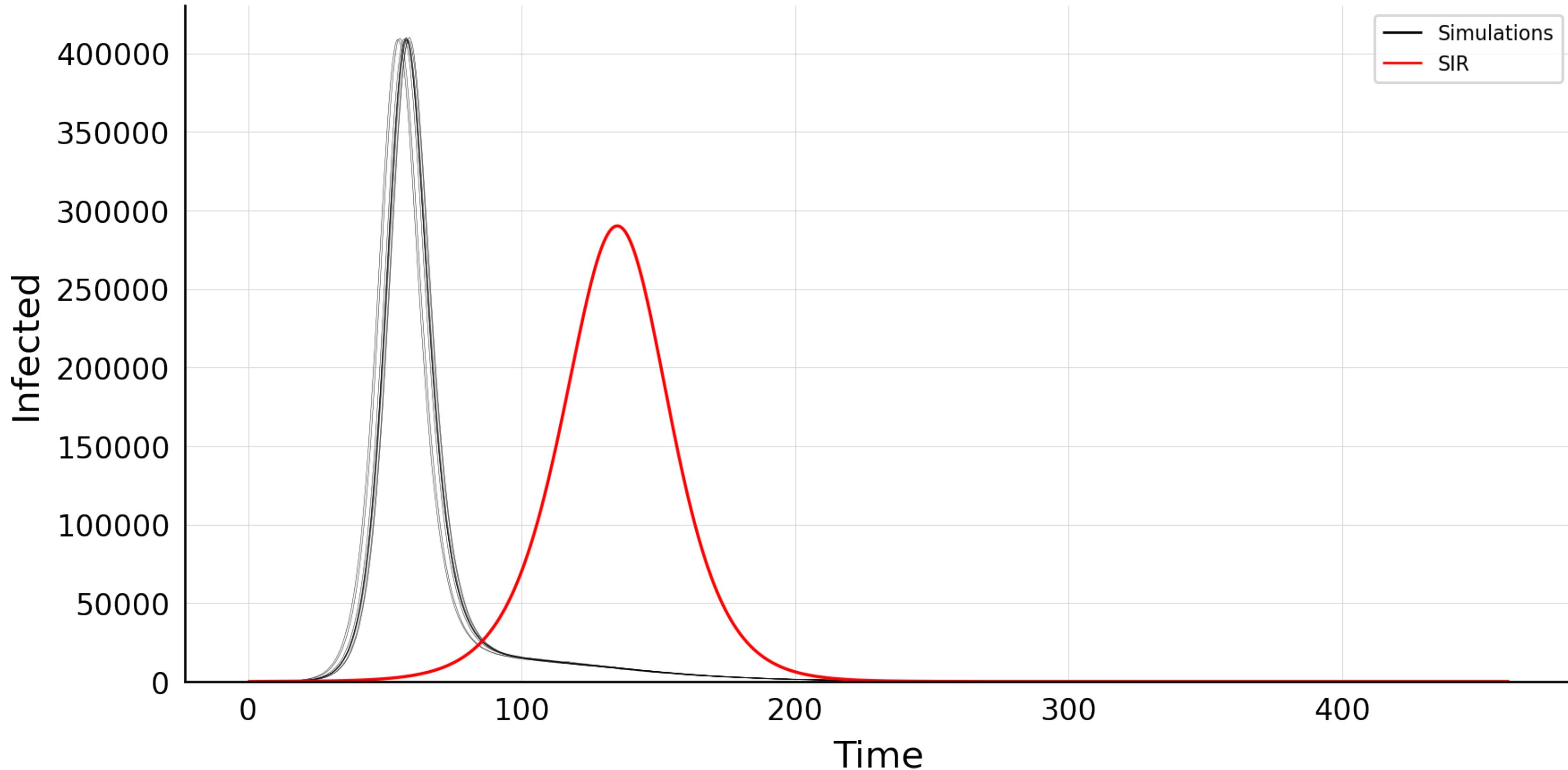
$N_{\text{tot}} = 5.8M$, $N_{\text{init}} = 100$, $N_{\text{ages}} = 1$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, $\rho = 300.0$

$\lambda_E = 1.0$, $\lambda_I = 1.0$, $\epsilon_\rho = 0.01$, $\beta_{\text{scaling}} = 1.0$, $\text{age}_{\text{mixing}} = 1.0$, $\text{algo} = 2$, #10

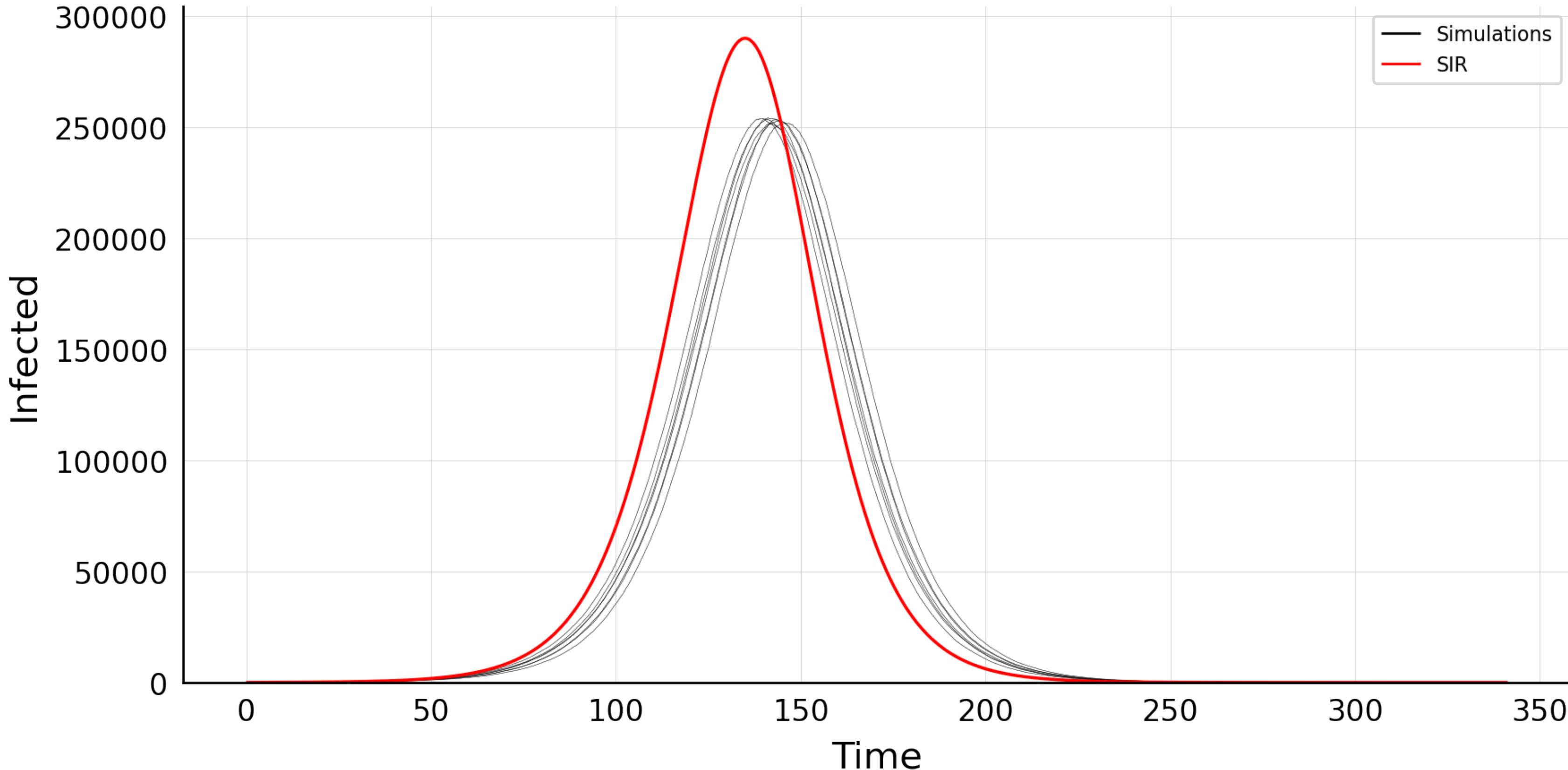


$N_{\text{tot}} = 5.8M$, $N_{\text{init}} = 100$, $N_{\text{ages}} = 1$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, $\rho = 50.0$

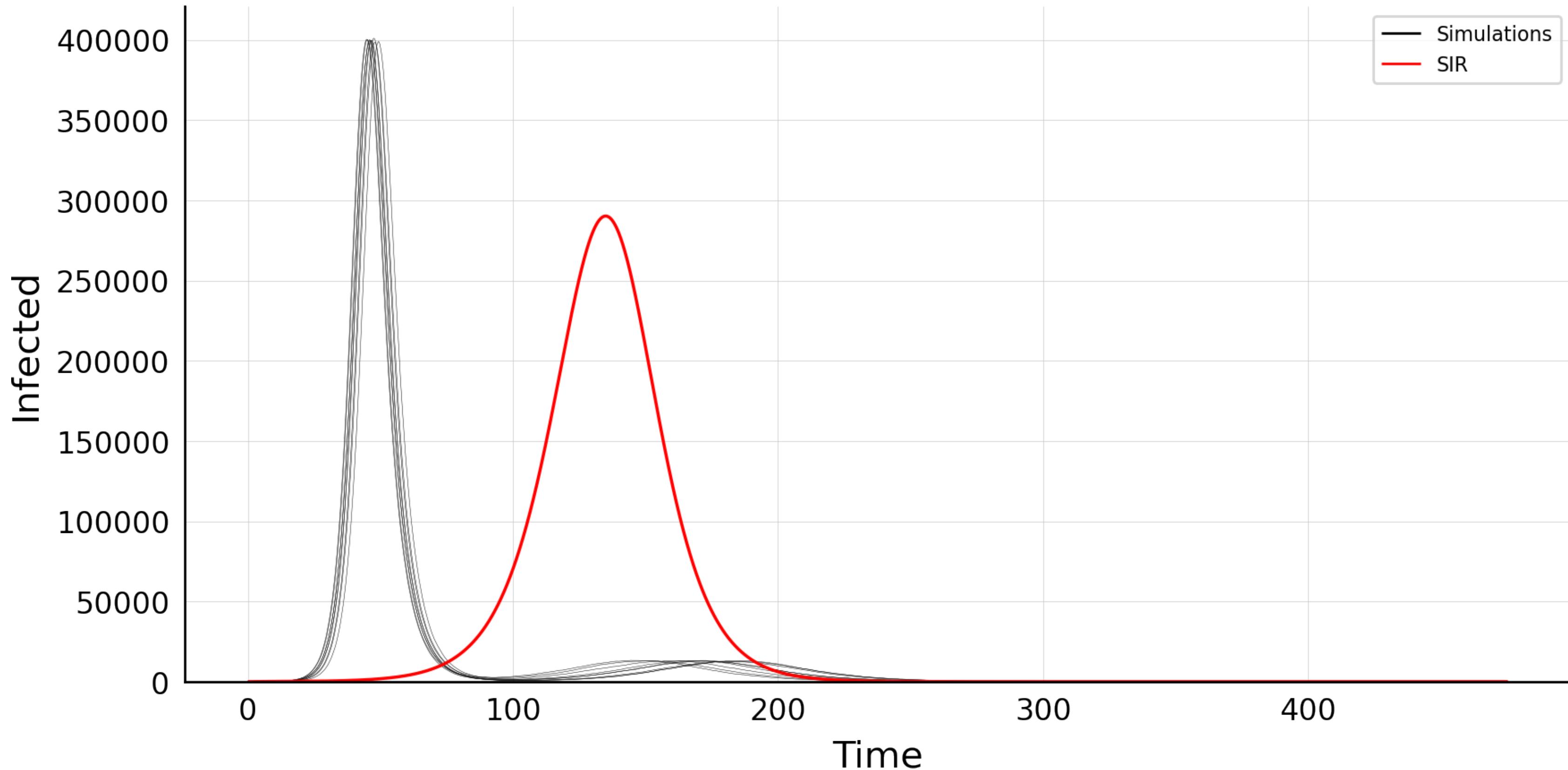
$\lambda_E = 1.0$, $\lambda_I = 1.0$, $\epsilon_\rho = 0.01$, $\beta_{\text{scaling}} = 1.0$, $\text{age}_{\text{mixing}} = 1.0$, $\text{algo} = 2$, #10



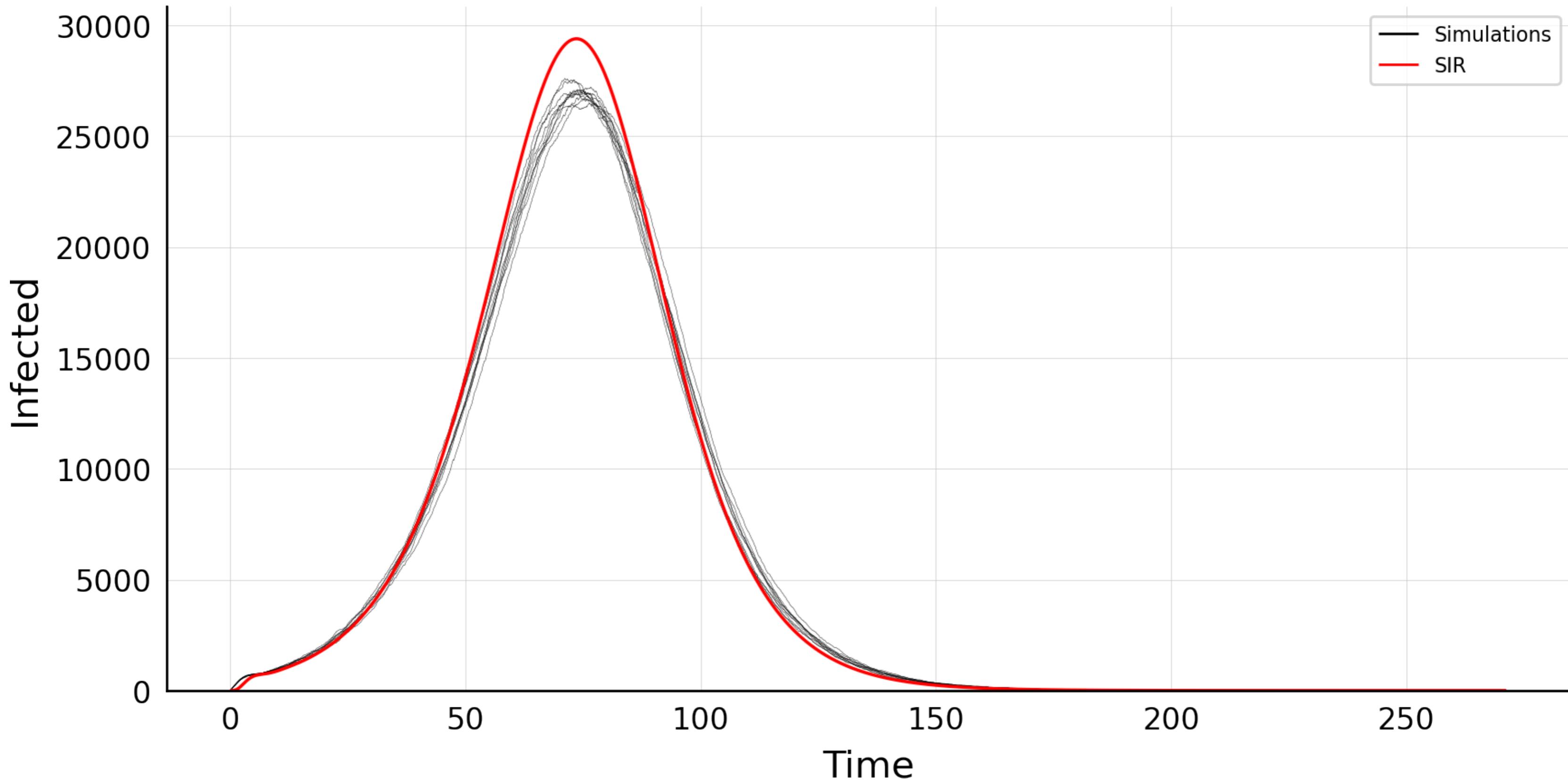
$N_{\text{tot}} = 5.8M$, $N_{\text{init}} = 100$, $N_{\text{ages}} = 1$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 1.0$, $\rho = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, $\epsilon_\rho = 0.0$, $\beta_{\text{scaling}} = 1.0$, $\text{age}_{\text{mixing}} = 1.0$, $\text{algo} = 2$, #7



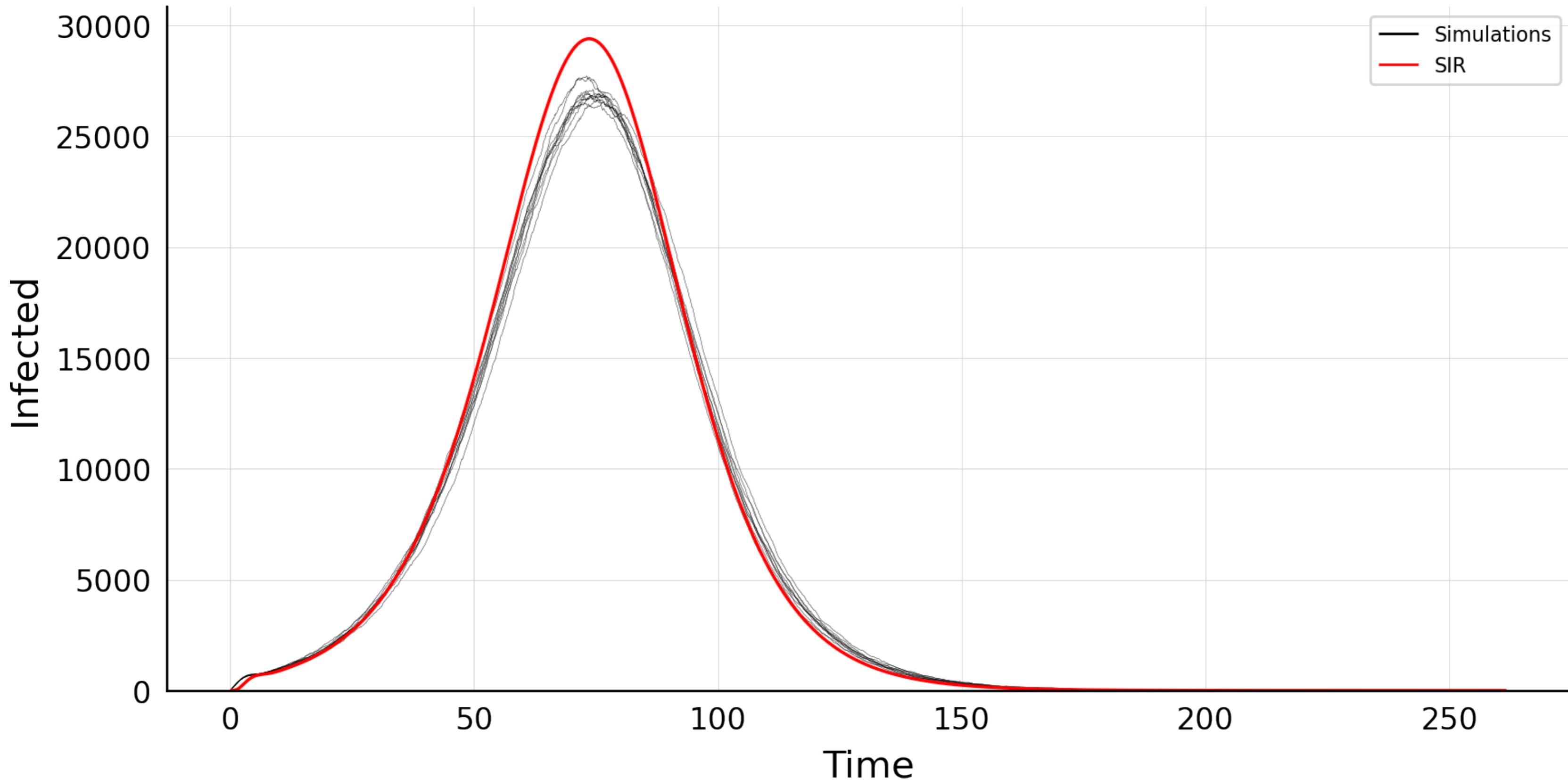
$N_{\text{tot}} = 5.8M$, $N_{\text{init}} = 100$, $N_{\text{ages}} = 1$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 1.0$, $\rho = 100.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, $\epsilon_\rho = 0.0$, $\beta_{\text{scaling}} = 1.0$, $\text{age}_{\text{mixing}} = 1.0$, $\text{algo} = 2$, #9



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

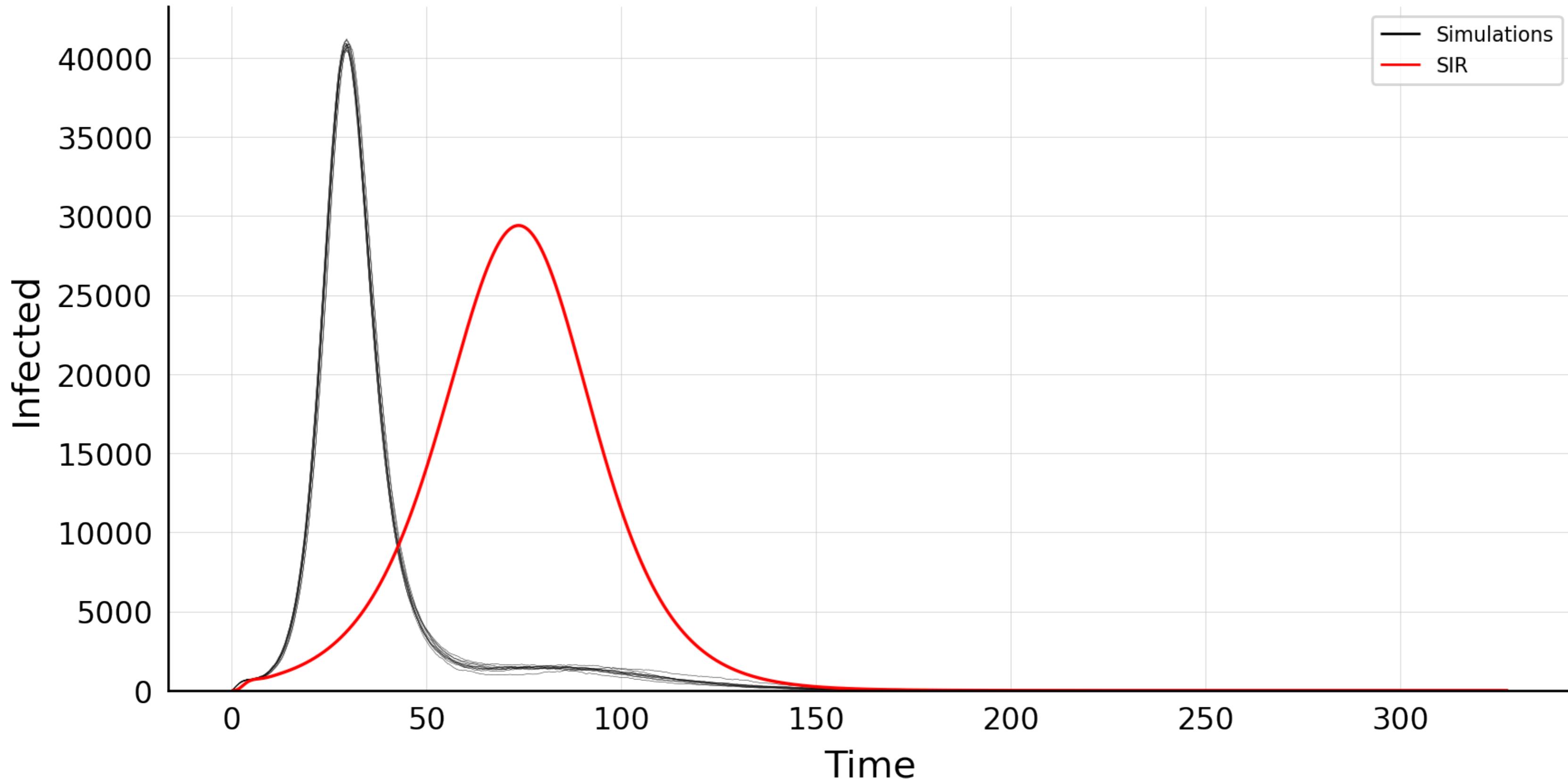


$N_{\text{tot}} = 580K$, $N_{\text{init}} = 1K$, $N_{\text{ages}} = 1$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, $\rho = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, $\epsilon_\rho = 0.01$, $\beta_{\text{scaling}} = 1.0$, $\text{age}_{\text{mixing}} = 1.0$, $\text{algo}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



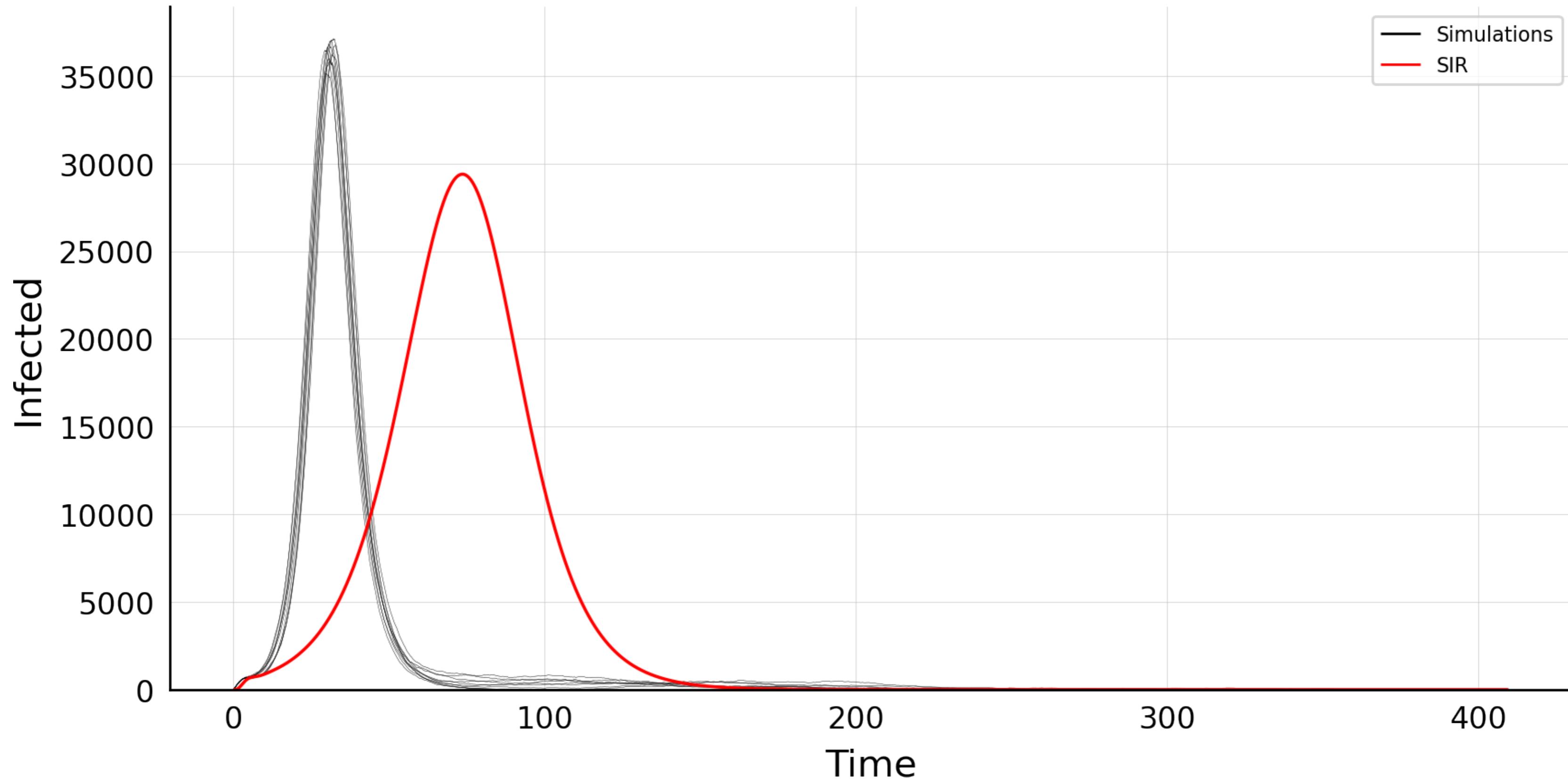
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 1K$, $N_{\text{ages}} = 1$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, $\rho = 100.0$

$\lambda_E = 1.0$, $\lambda_I = 1.0$, $\epsilon_\rho = 0.0$, $\beta_{\text{scaling}} = 1.0$, $\text{age}_{\text{mixing}} = 1.0$, $\text{algo} = 2$, #10



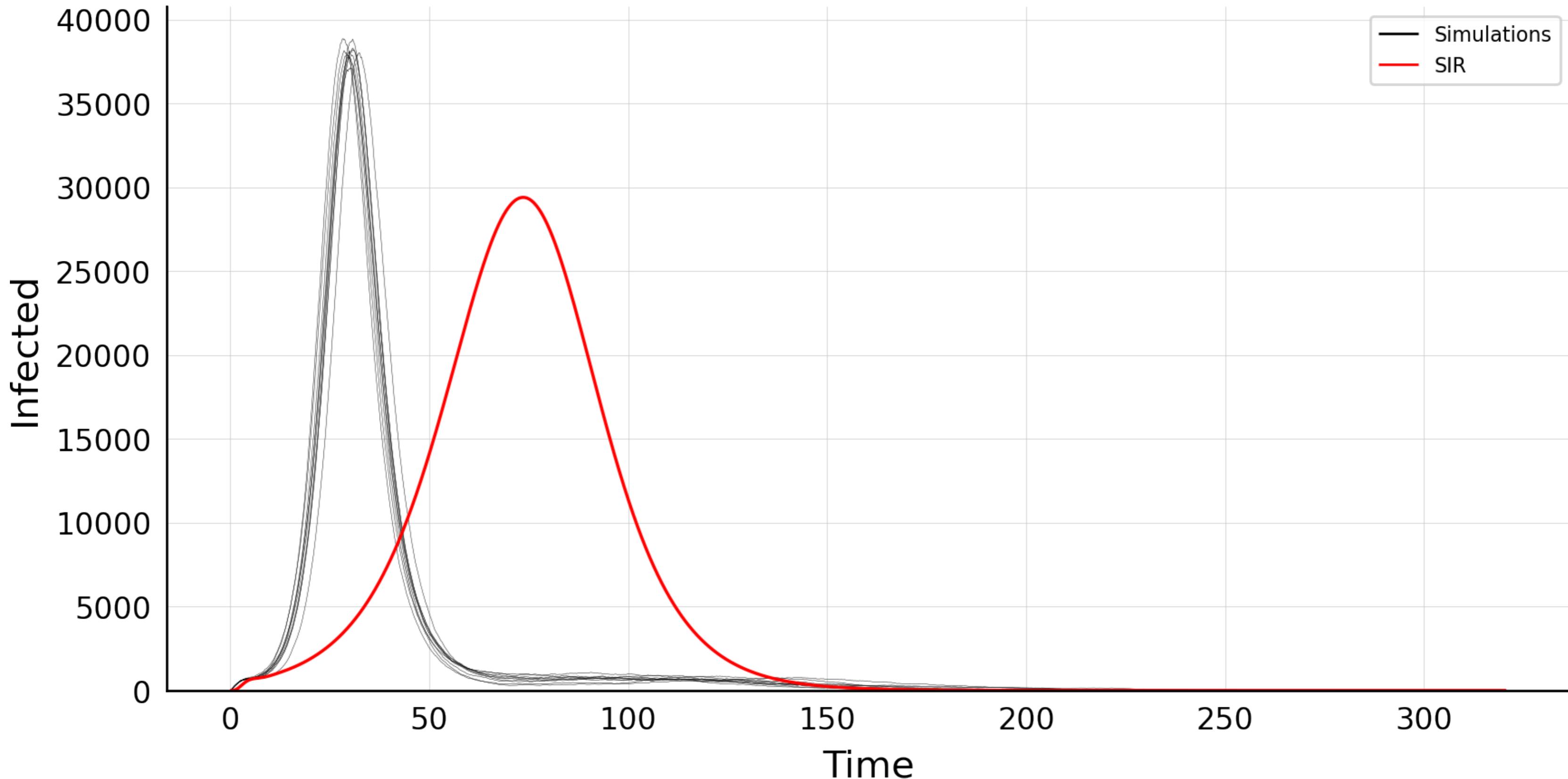
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 1K$, $N_{\text{ages}} = 1$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, $\rho = 100.0$

$\lambda_E = 1.0$, $\lambda_I = 1.0$, $\epsilon_\rho = 0.0$, $\beta_{\text{scaling}} = 100.0$, $\text{age}_{\text{mixing}} = 1.0$, $\text{algo} = 2$, #10



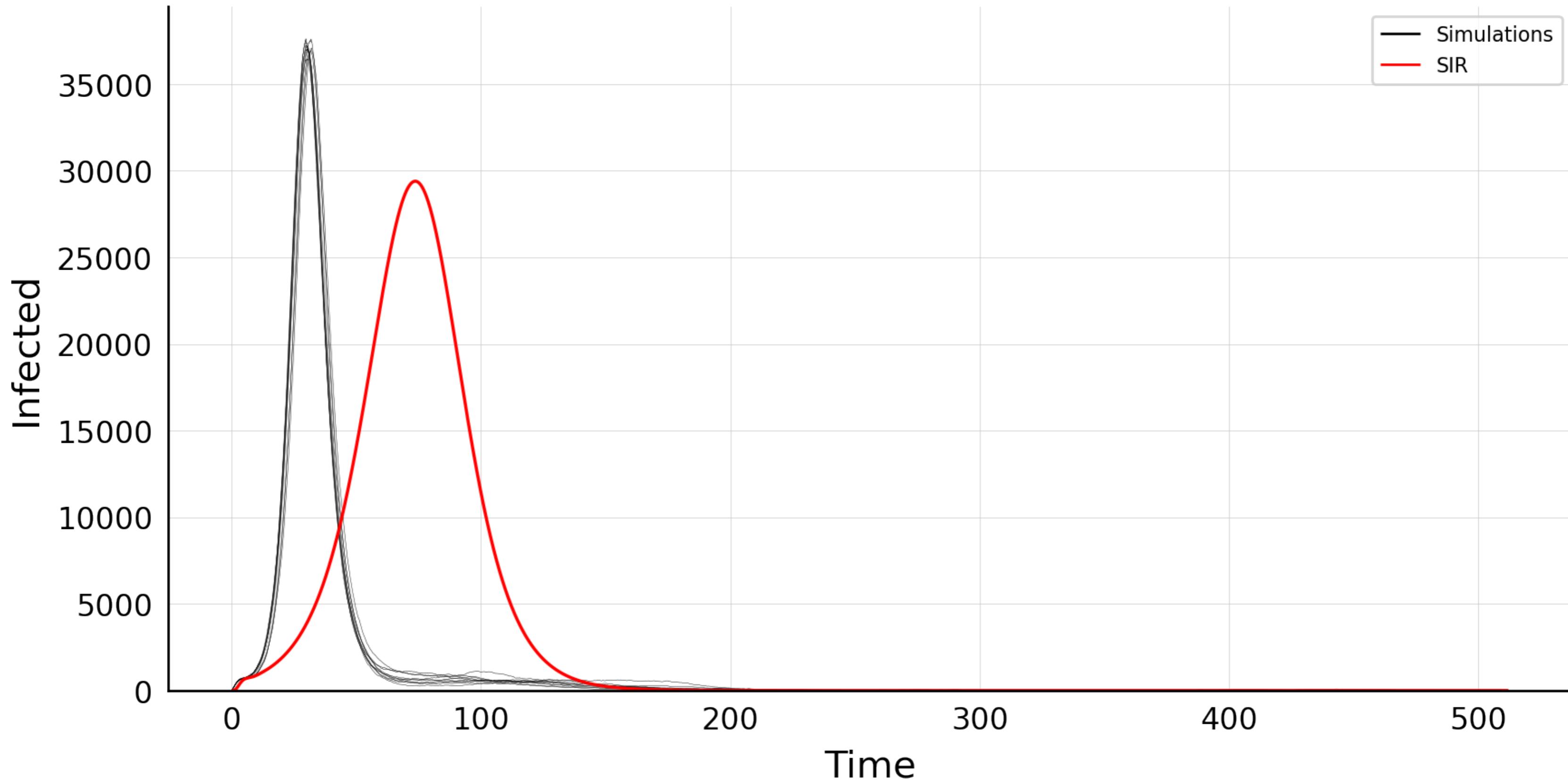
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 1K$, $N_{\text{ages}} = 1$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, $\rho = 100.0$

$\lambda_E = 1.0$, $\lambda_I = 1.0$, $\epsilon_\rho = 0.0$, $\beta_{\text{scaling}} = 25.0$, $\text{age}_{\text{mixing}} = 1.0$, $\text{algo} = 2$, #10



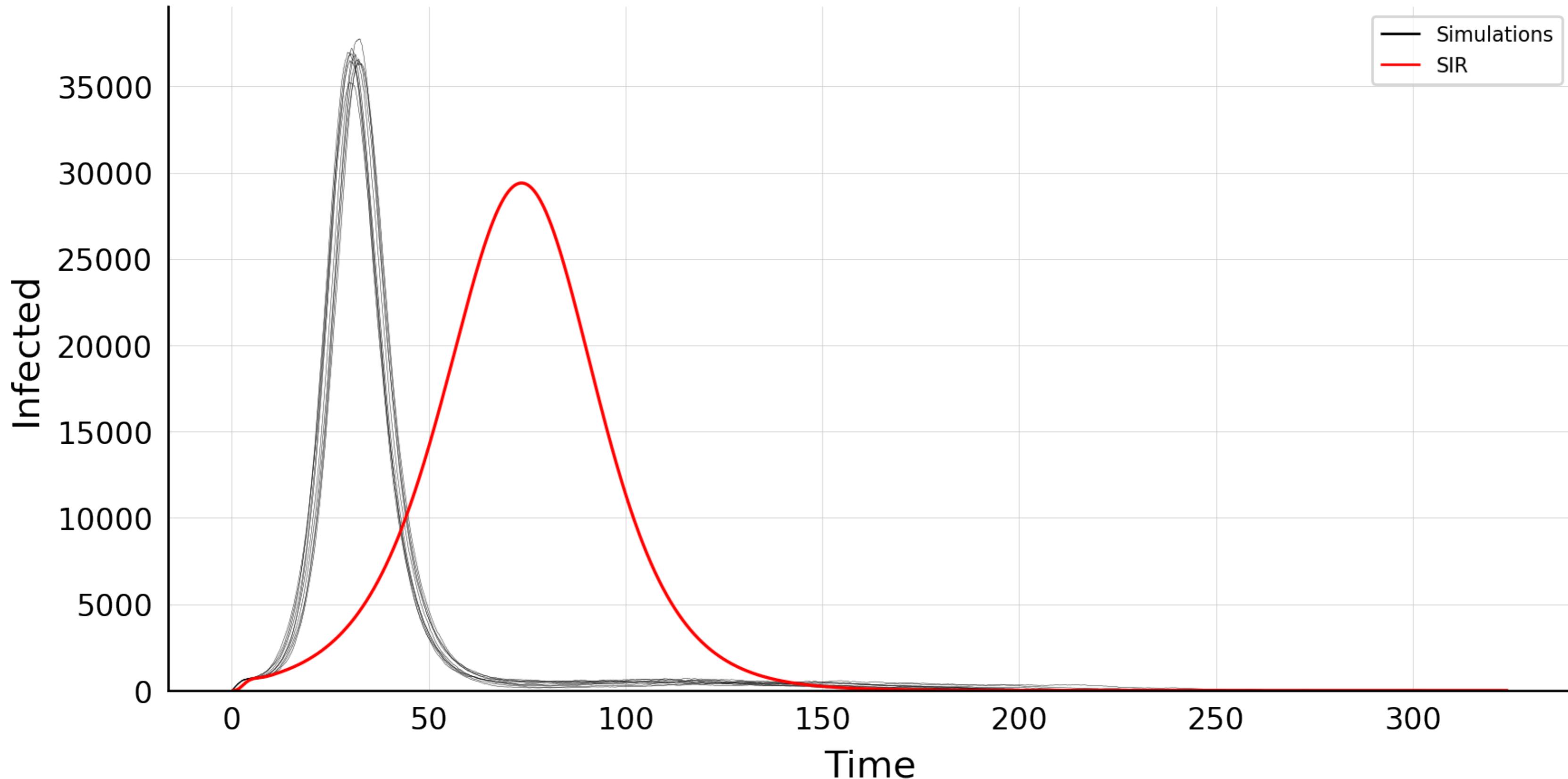
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 1K$, $N_{\text{ages}} = 1$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, $\rho = 100.0$

$\lambda_E = 1.0$, $\lambda_I = 1.0$, $\epsilon_\rho = 0.0$, $\beta_{\text{scaling}} = 50.0$, $\text{age}_{\text{mixing}} = 1.0$, $\text{algo} = 2$, #10

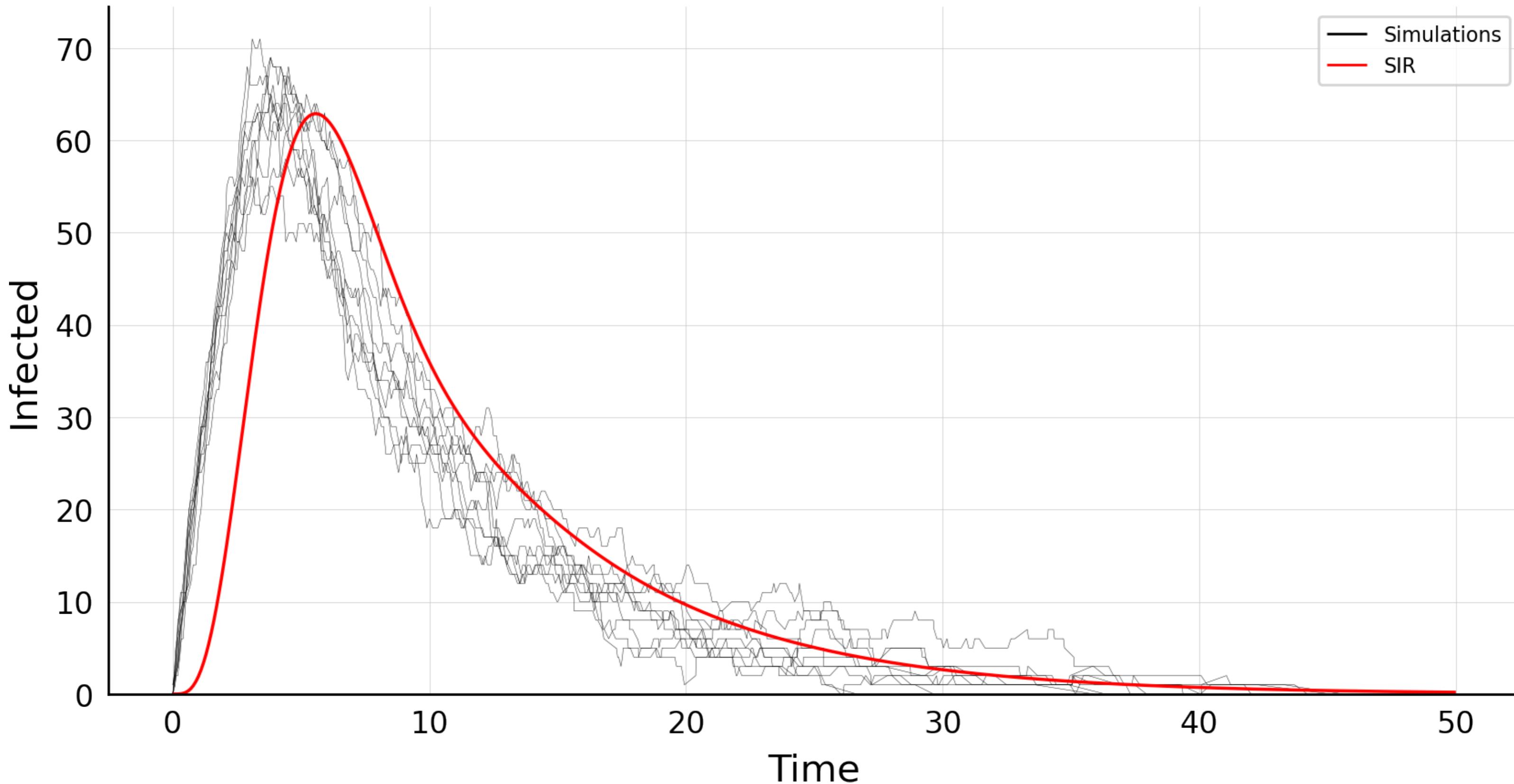


$N_{\text{tot}} = 580K$, $N_{\text{init}} = 1K$, $N_{\text{ages}} = 1$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, $\rho = 100.0$

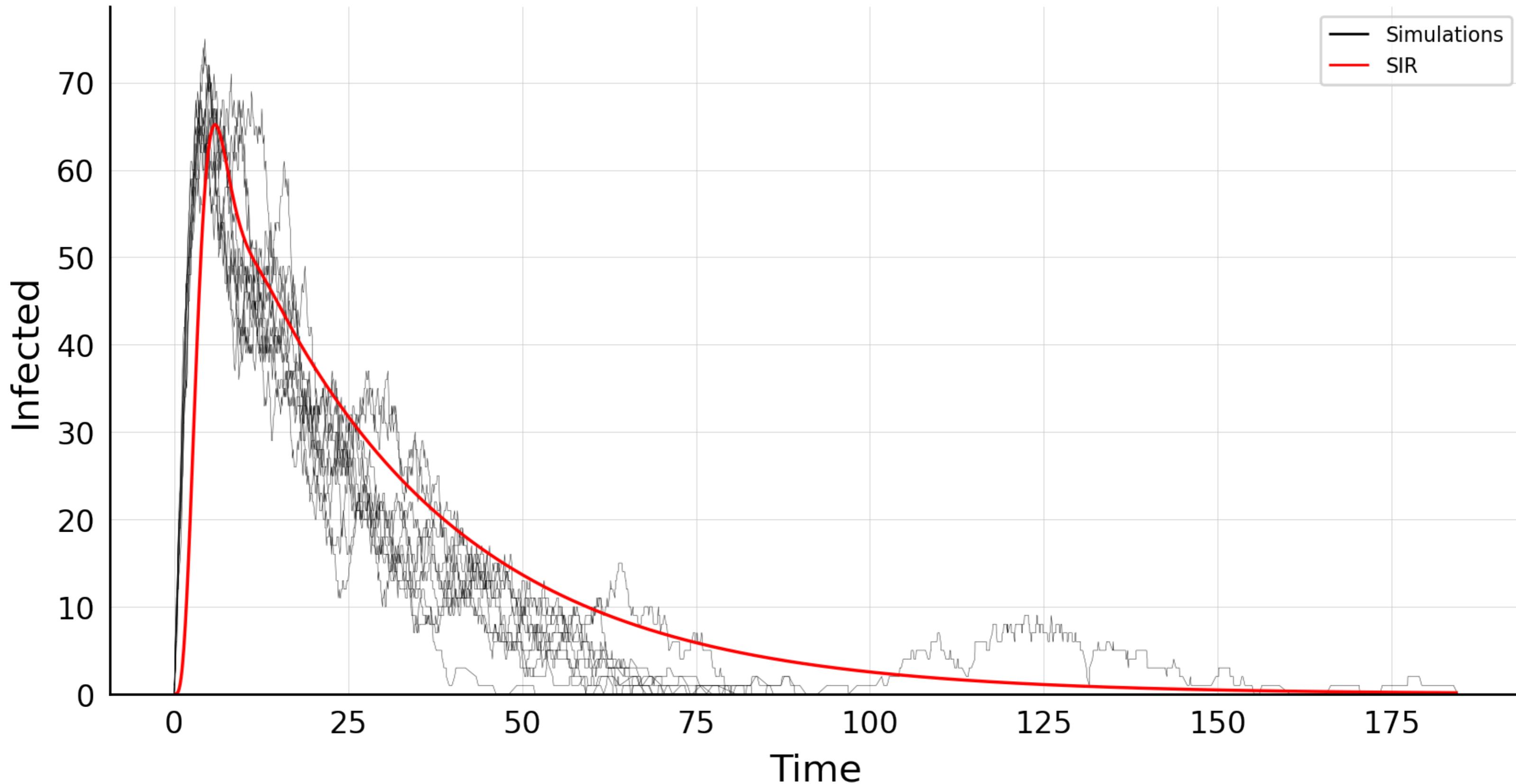
$\lambda_E = 1.0$, $\lambda_I = 1.0$, $\epsilon_\rho = 0.0$, $\beta_{\text{scaling}} = 75.0$, $\text{age}_{\text{mixing}} = 1.0$, $\text{algo} = 2$, #10



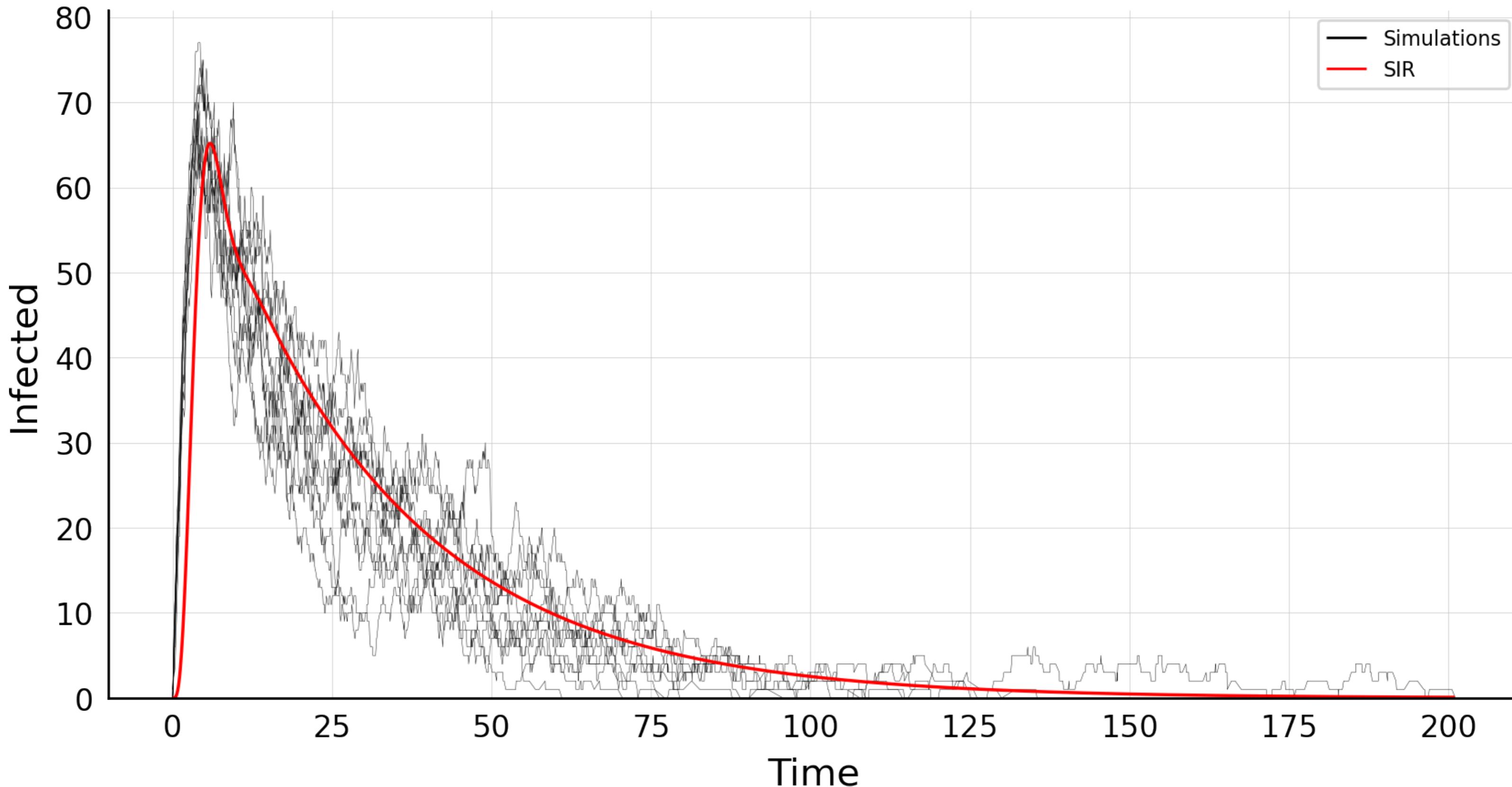
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $N_{\text{ages}} = 1$, $\mu = 10.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, $\rho = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, $\epsilon_\rho = 0.01$, $\beta_{\text{scaling}} = 1.0$, $\text{age}_{\text{mixing}} = 1.0$, $\text{algo}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



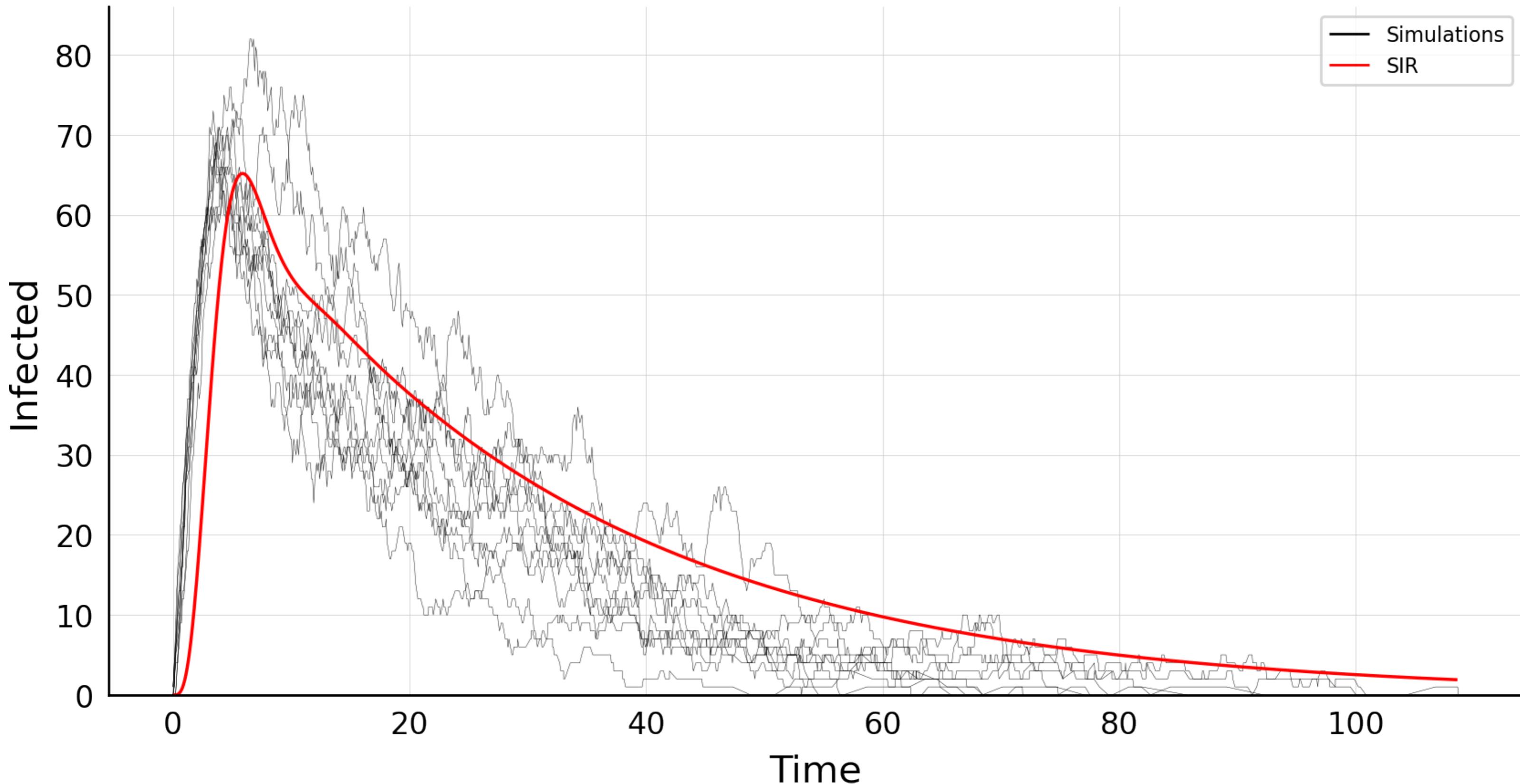
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $N_{\text{ages}} = 1$, $\mu = 10.0$, $\sigma_\mu = 0.0$, $\beta = 0.02$, $\sigma_\beta = 0.0$, $\rho = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, $\epsilon_\rho = 0.01$, $\beta_{\text{scaling}} = 1.0$, $\text{age}_{\text{mixing}} = 1.0$, $\text{algo} = 1$, $\#10$



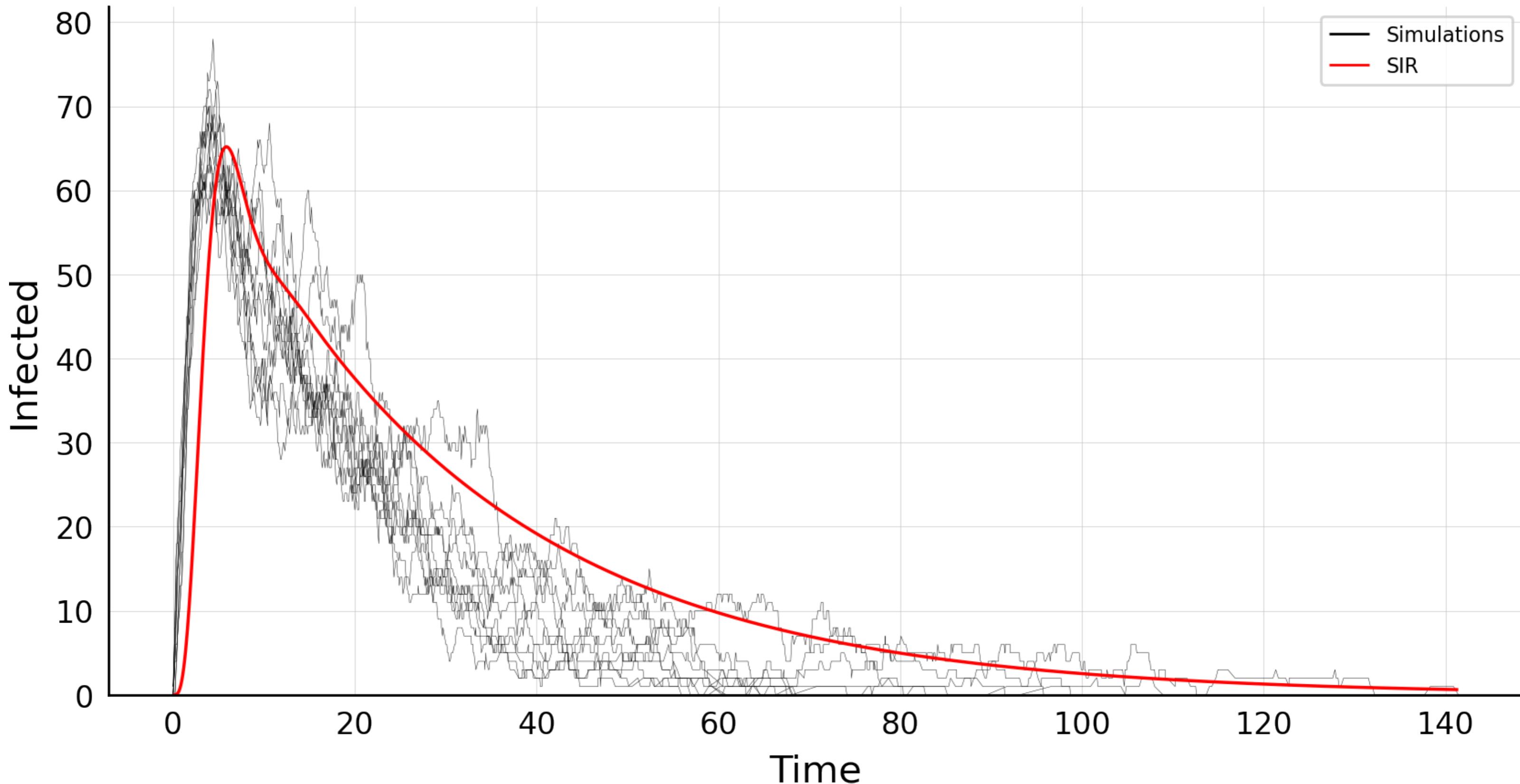
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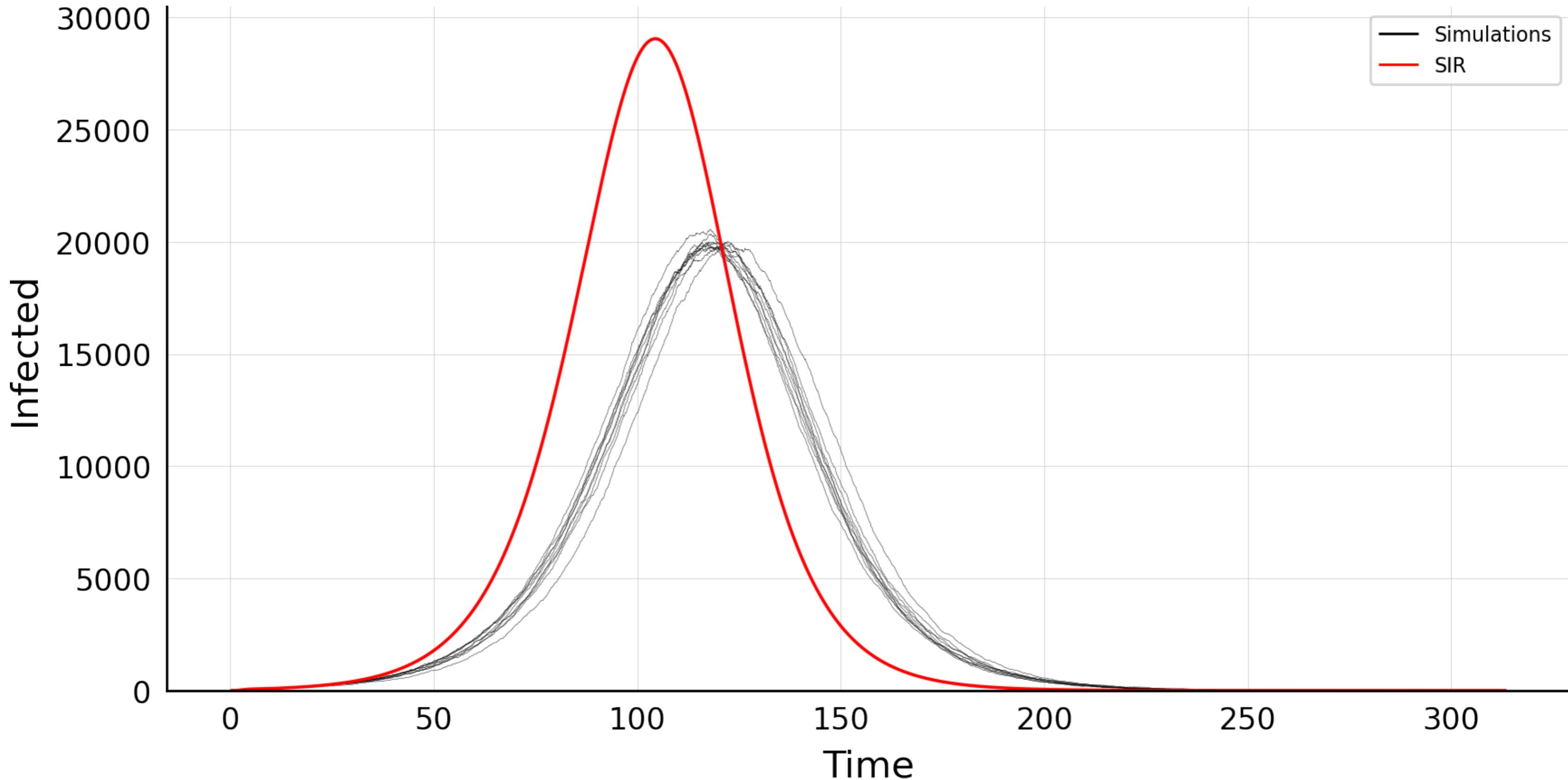
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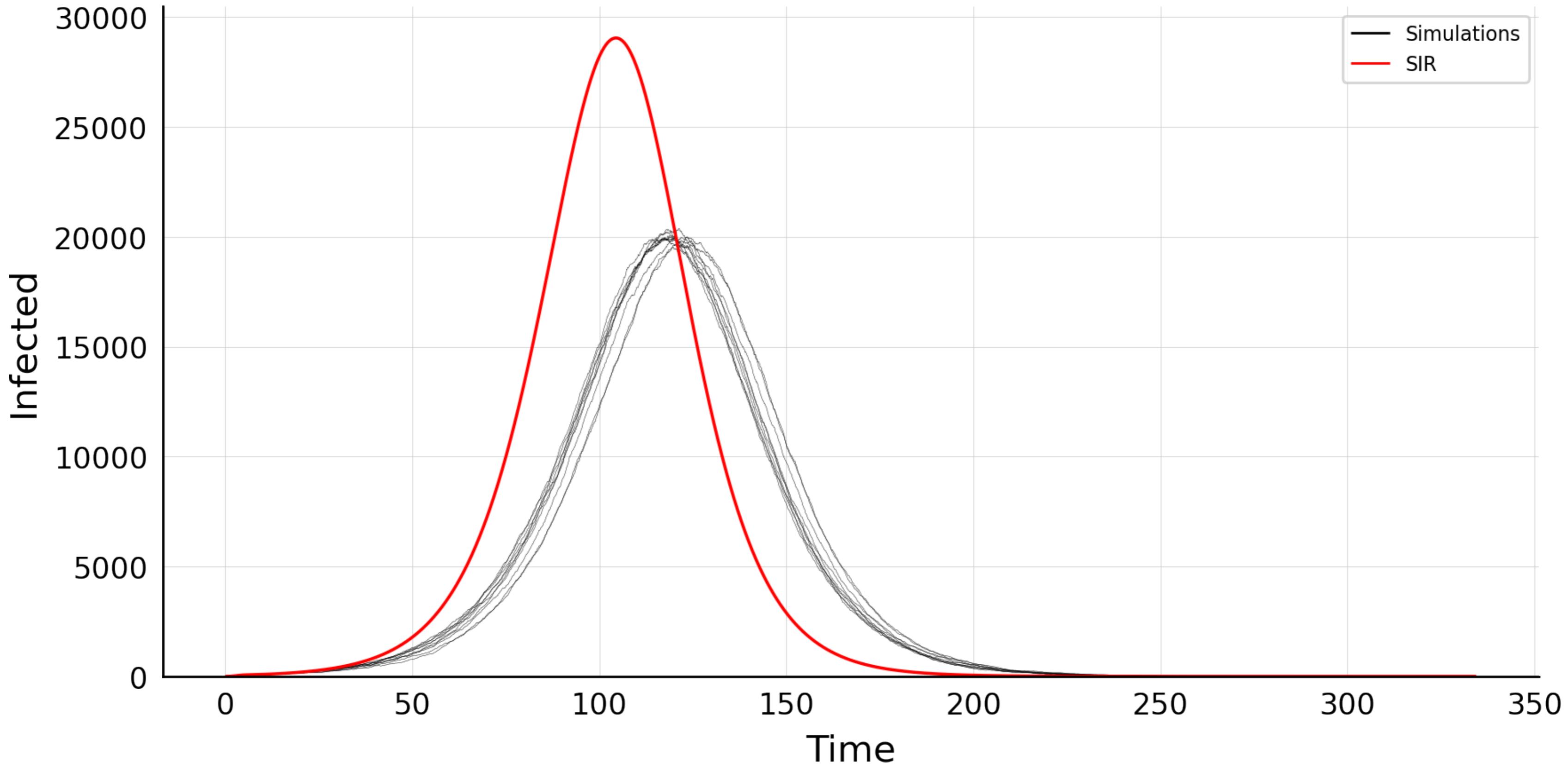
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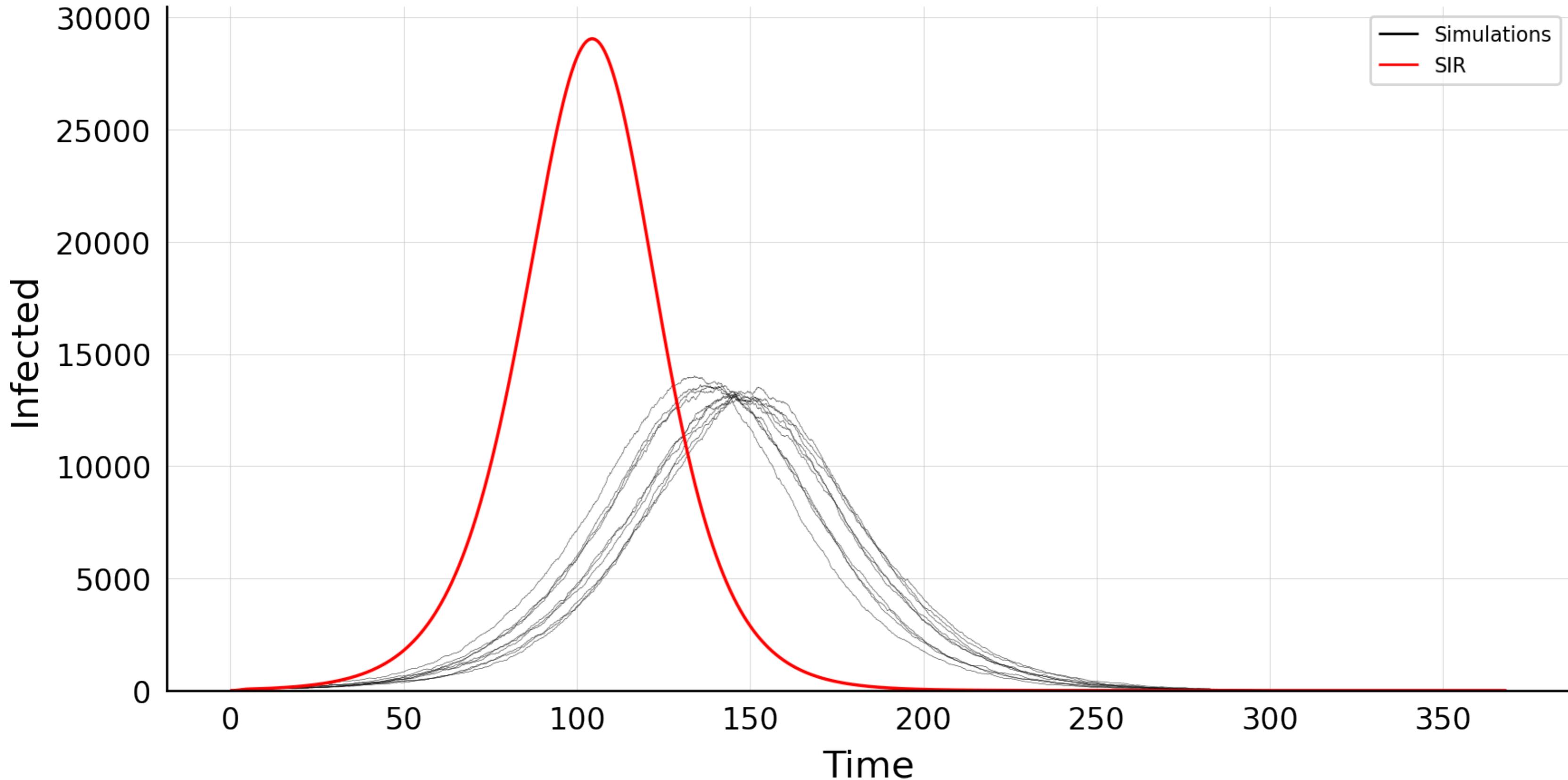
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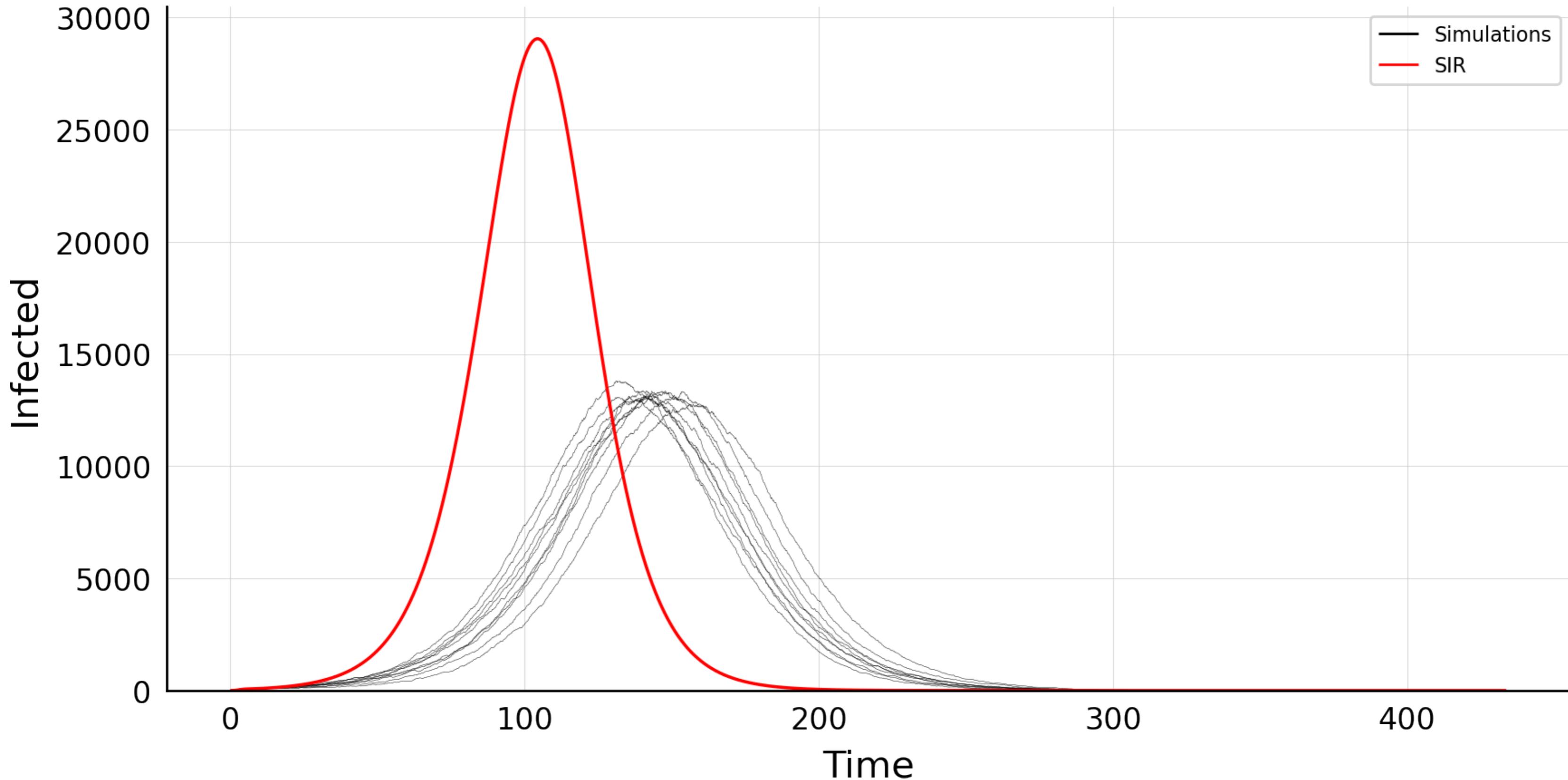
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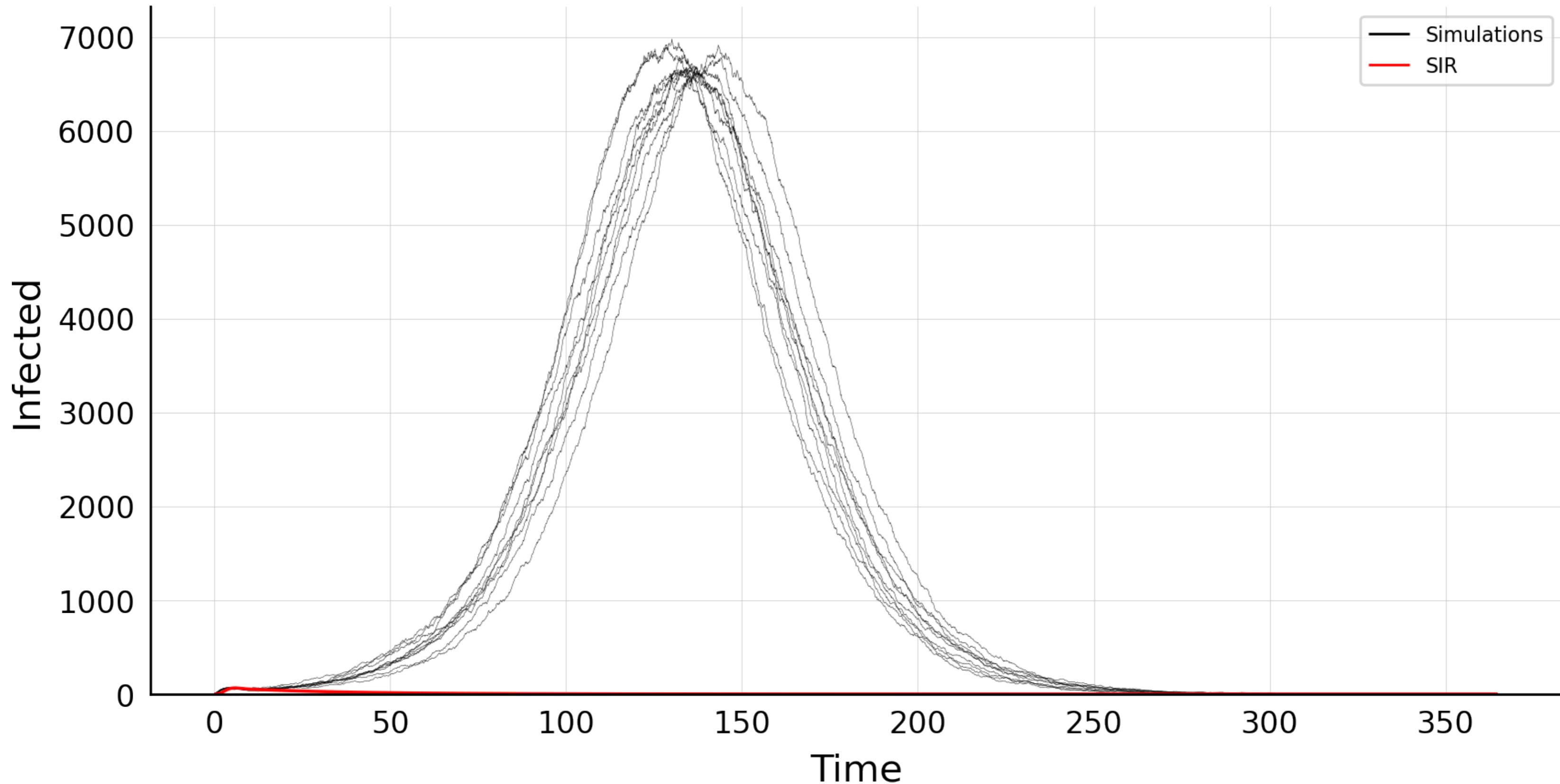
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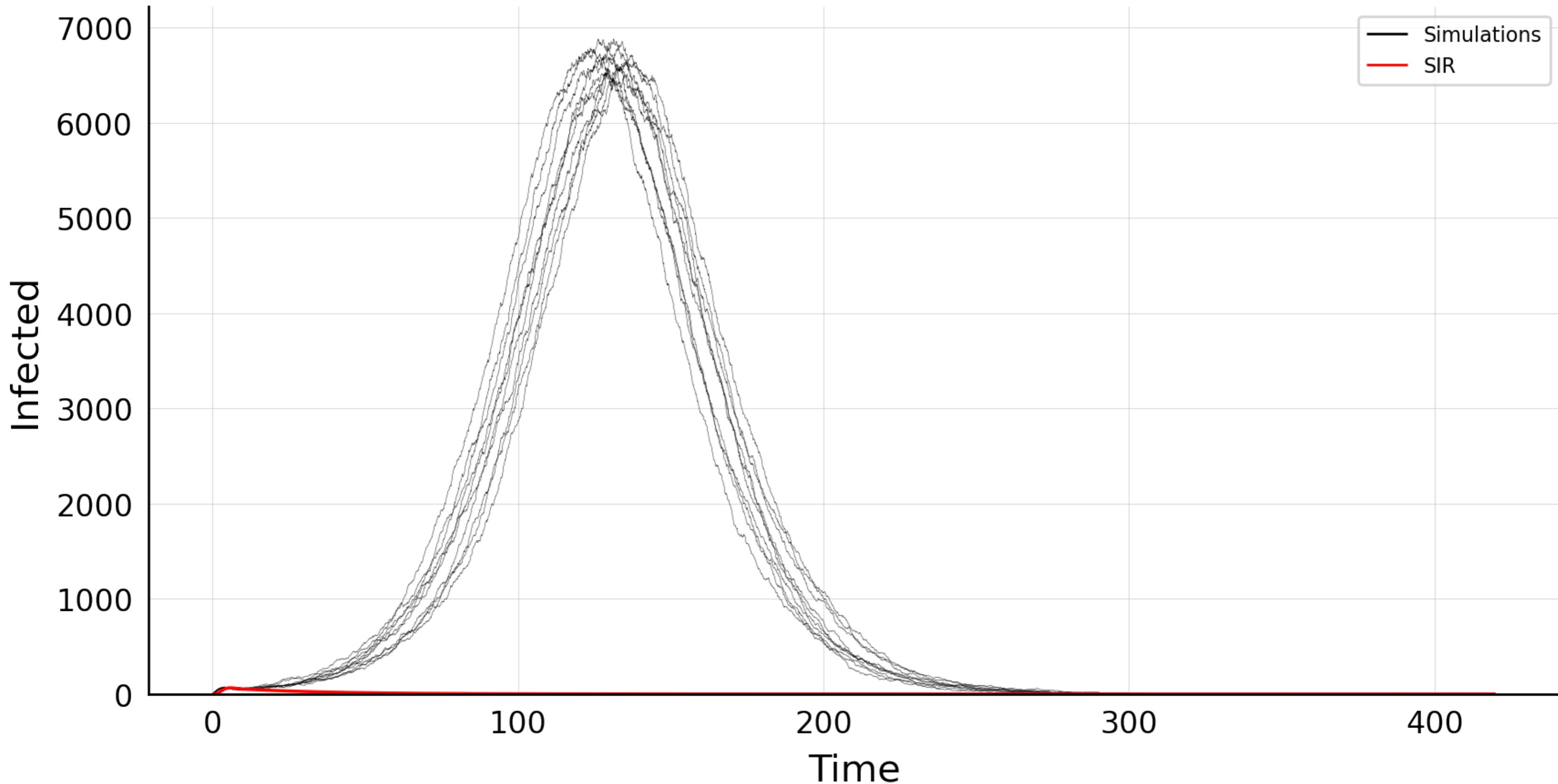
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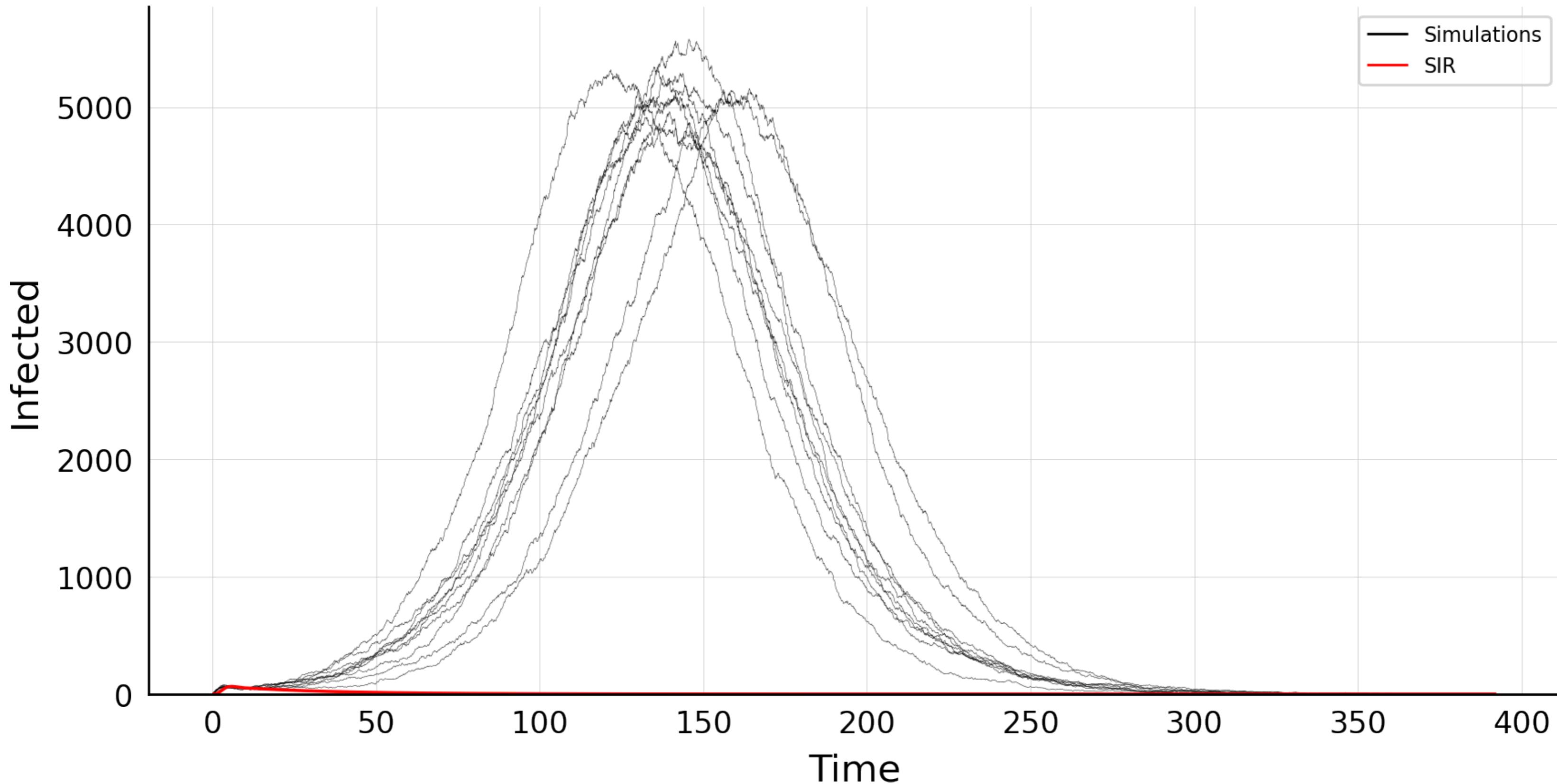
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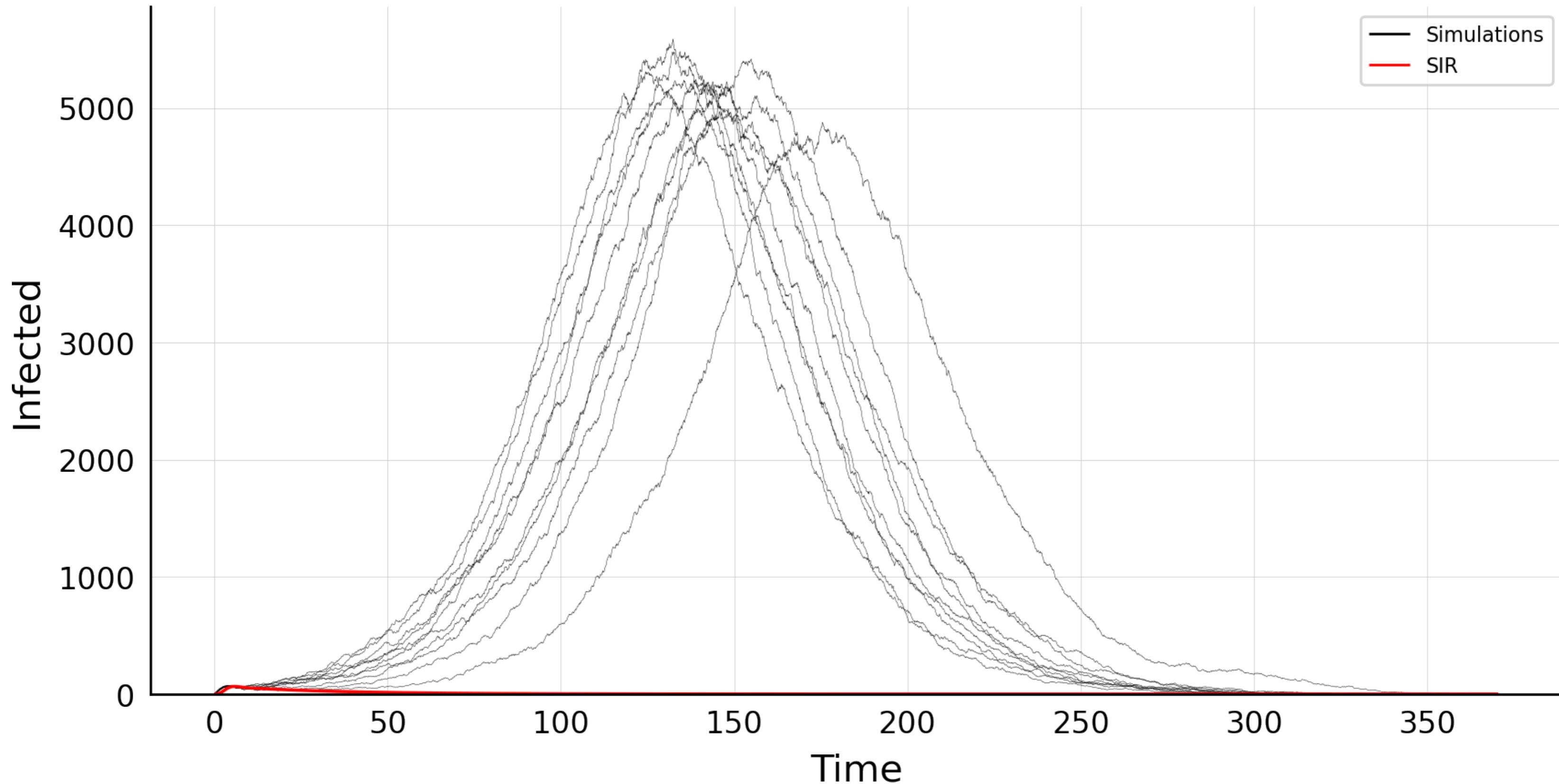
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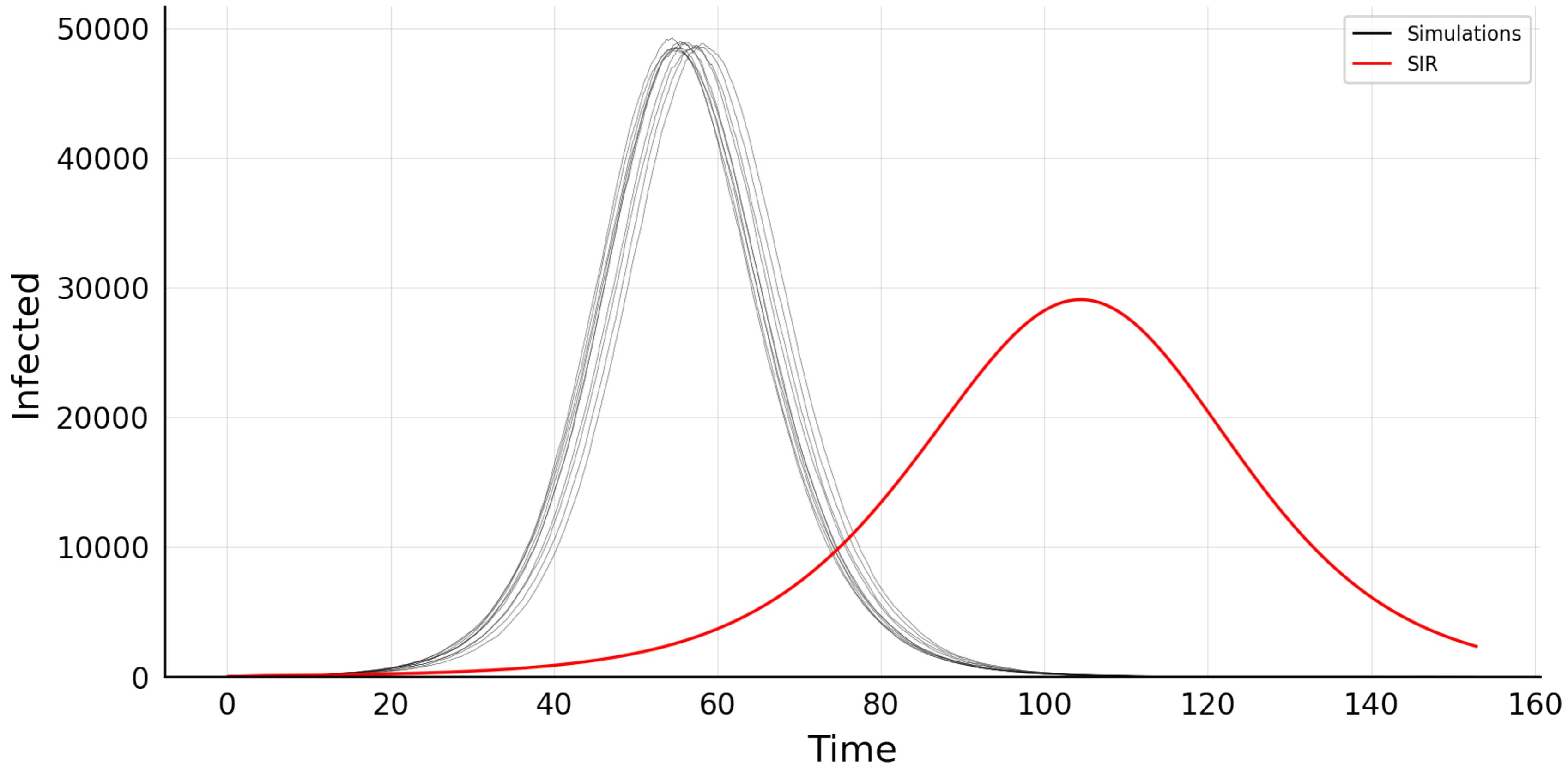
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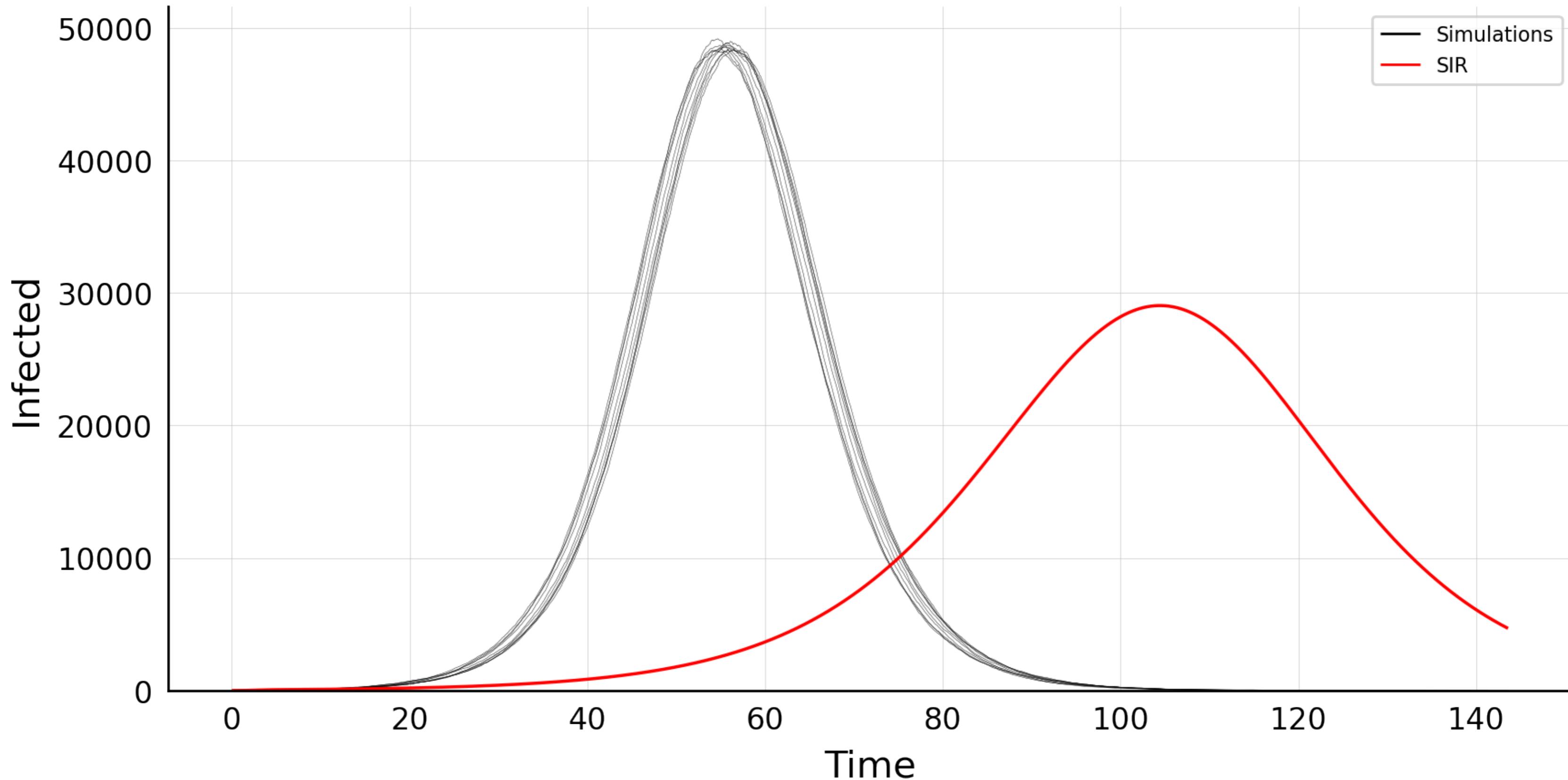
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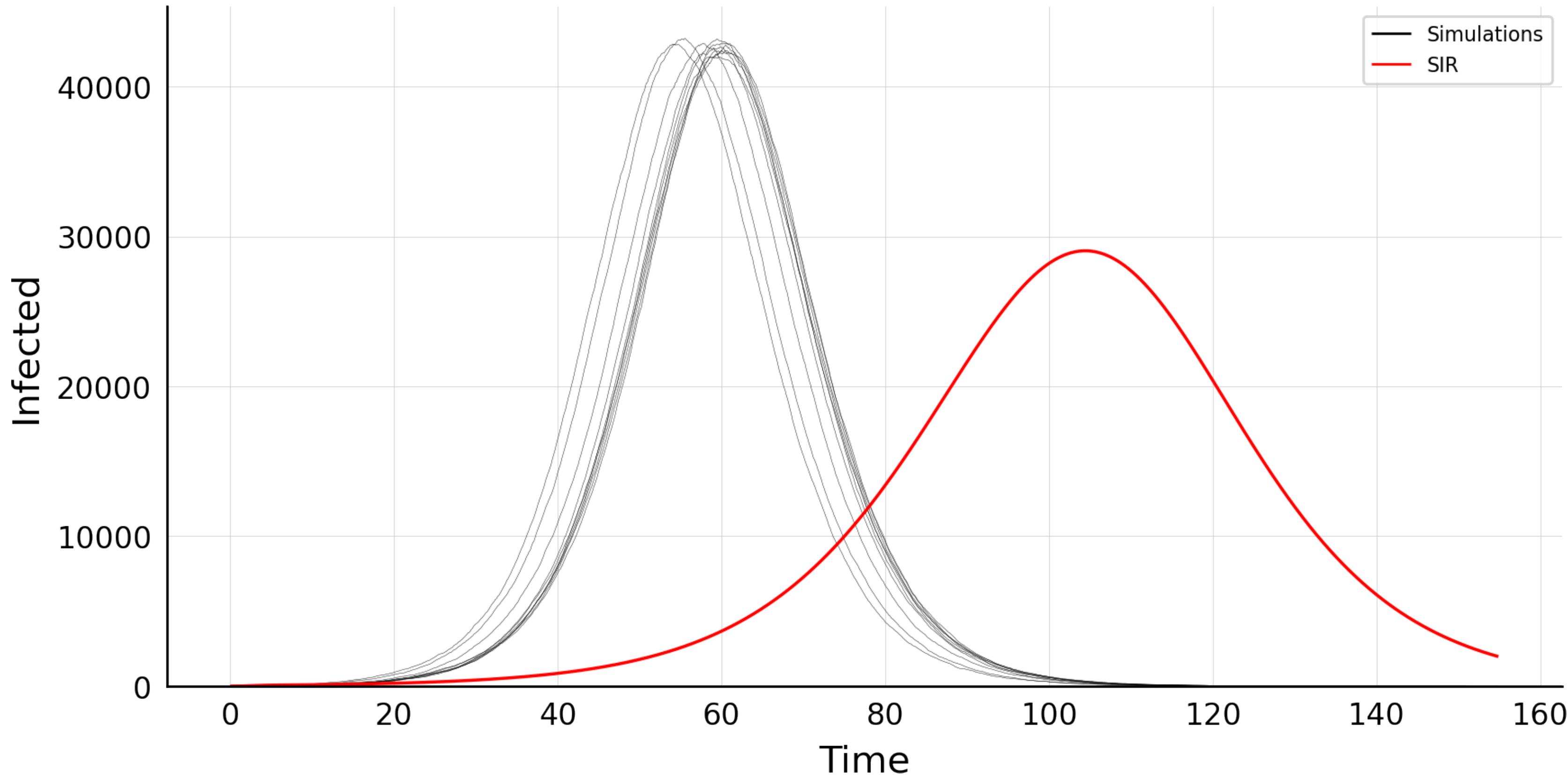
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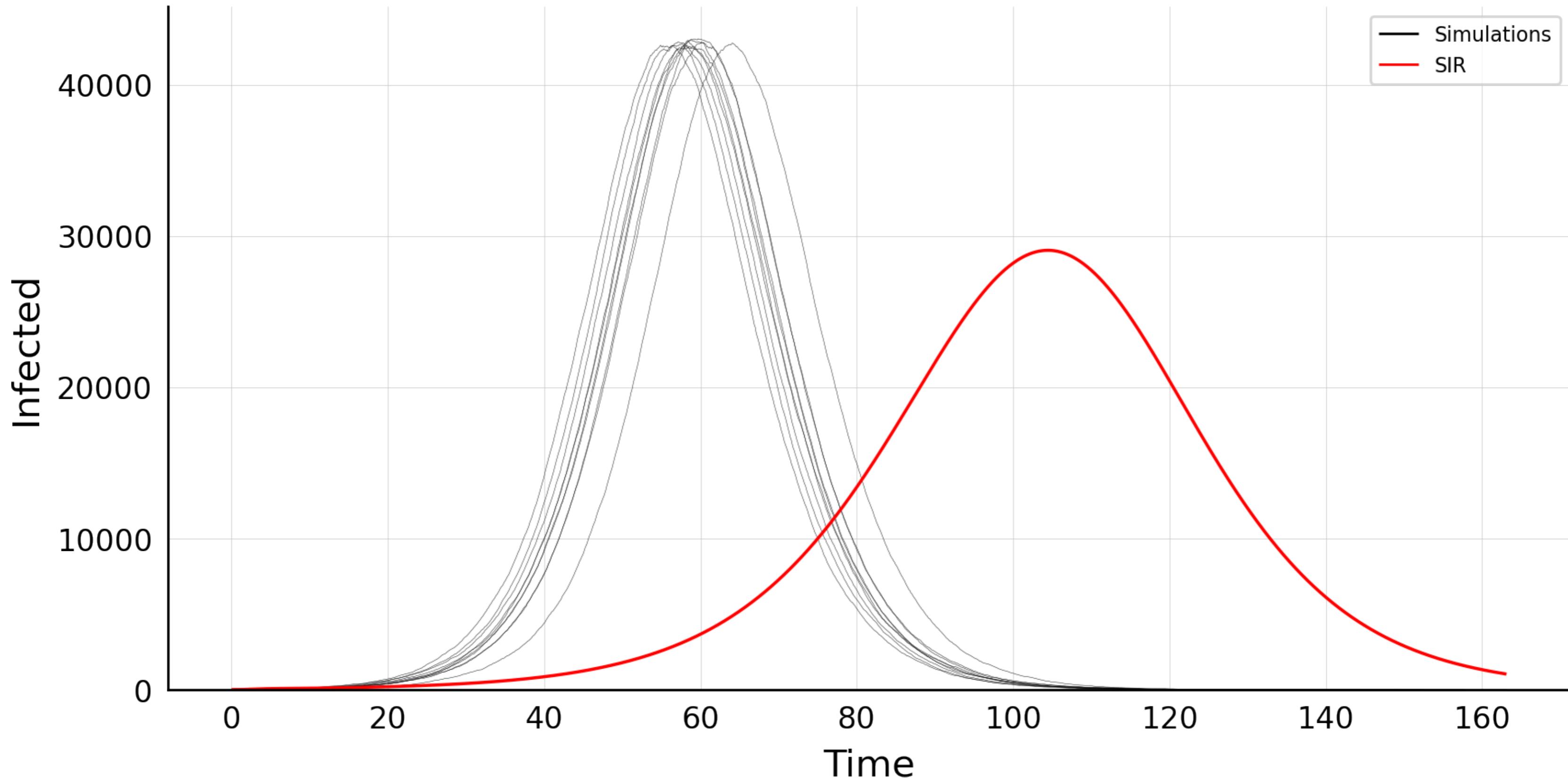
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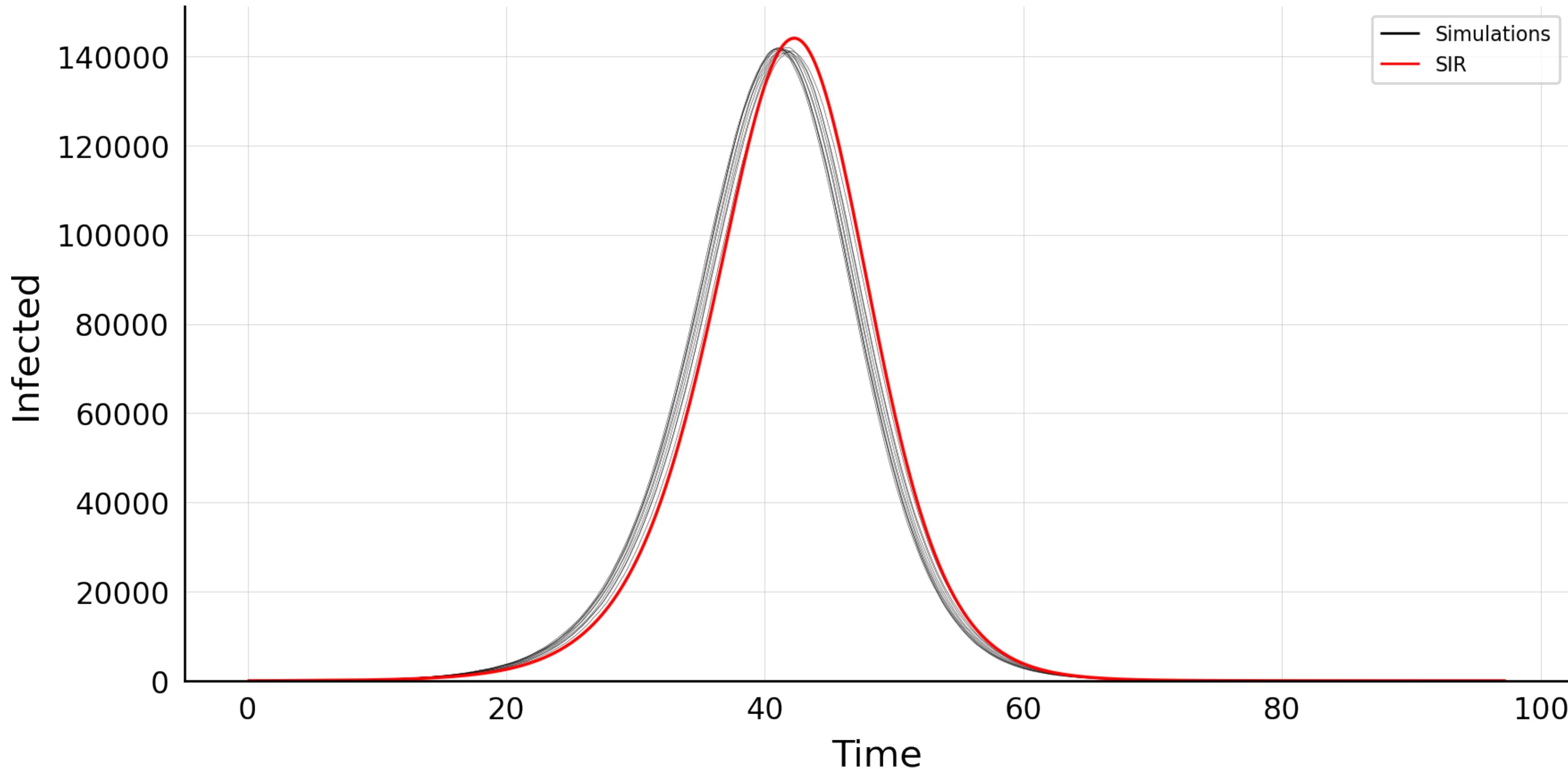
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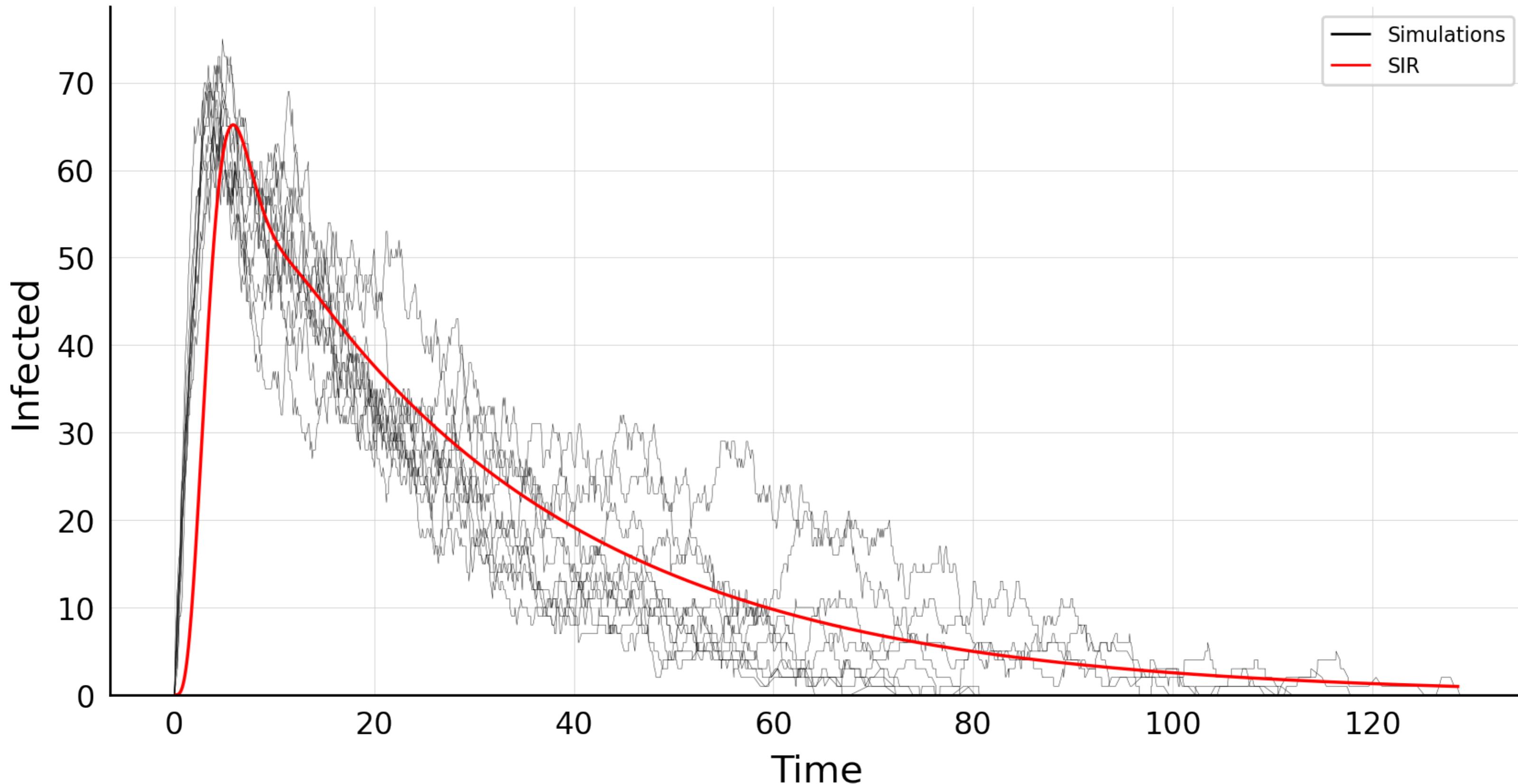
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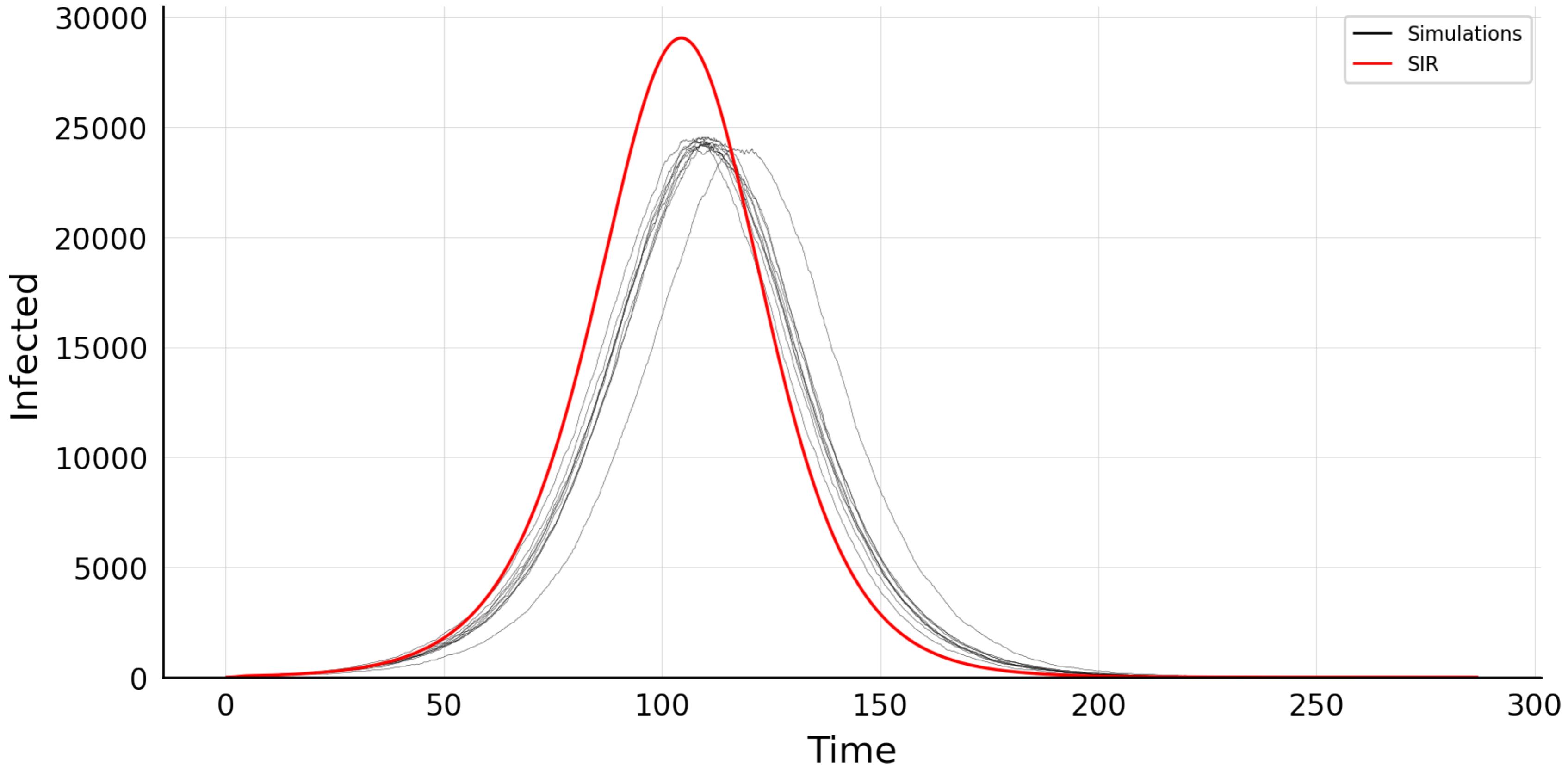
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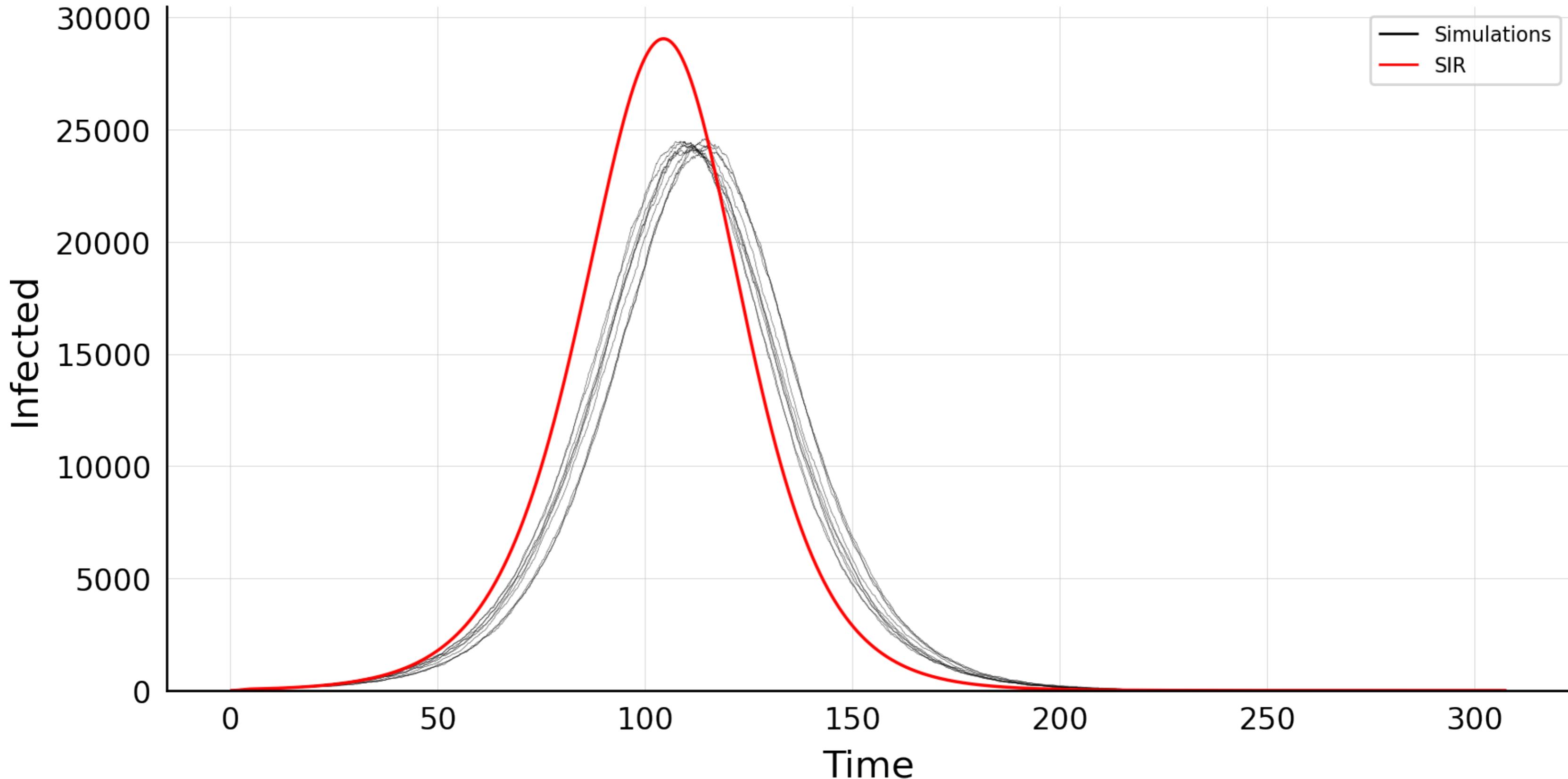
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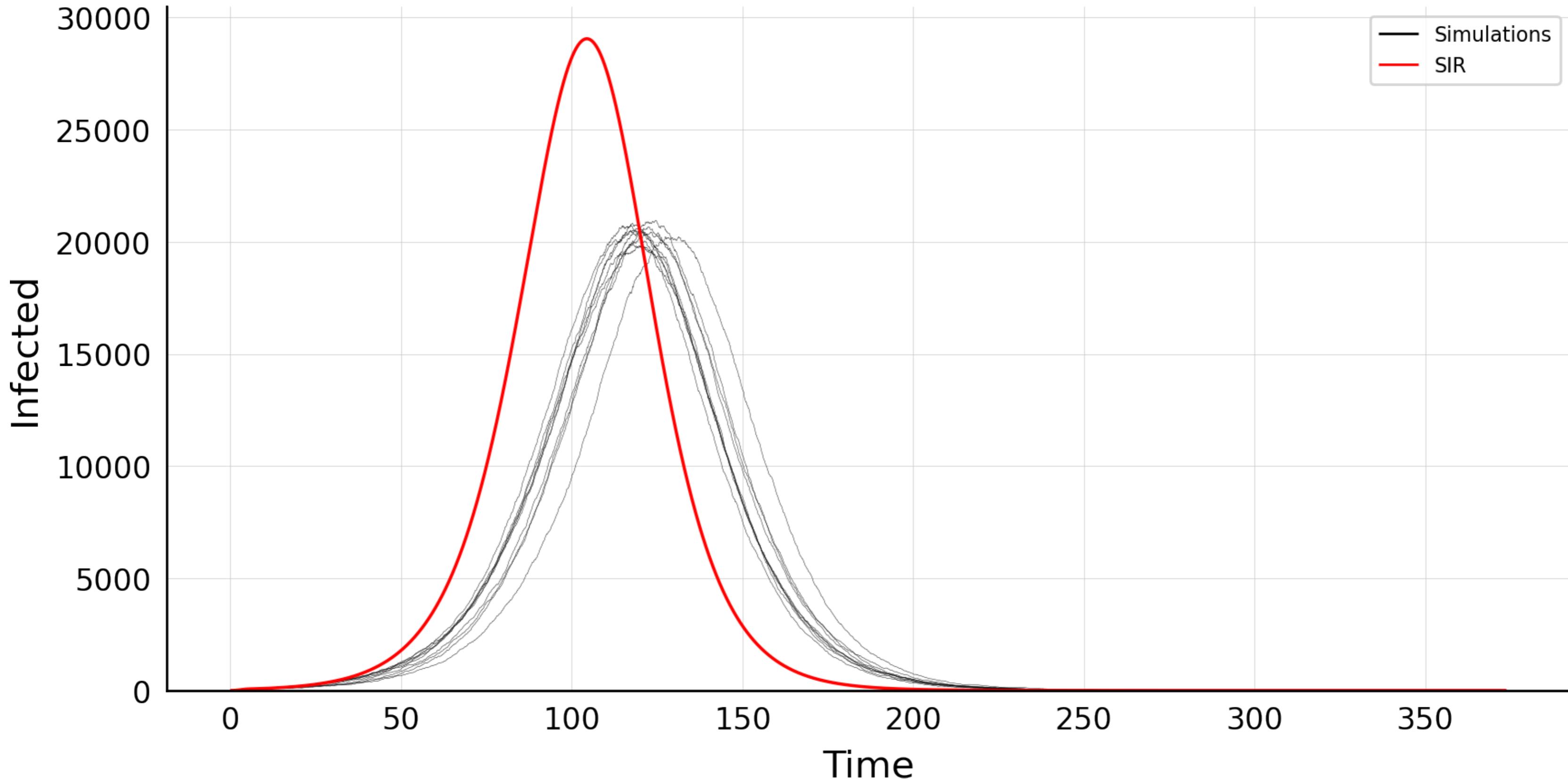
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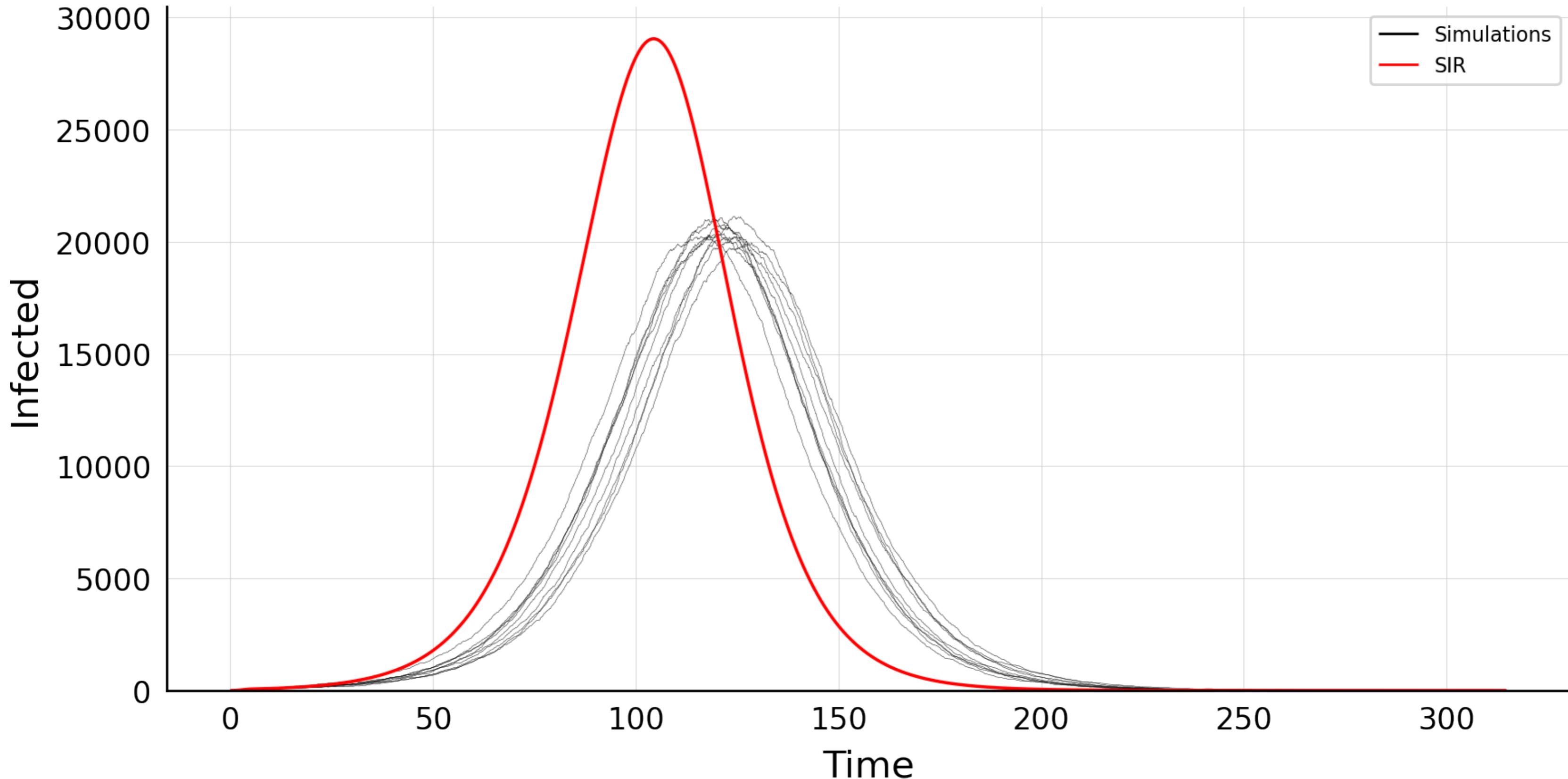
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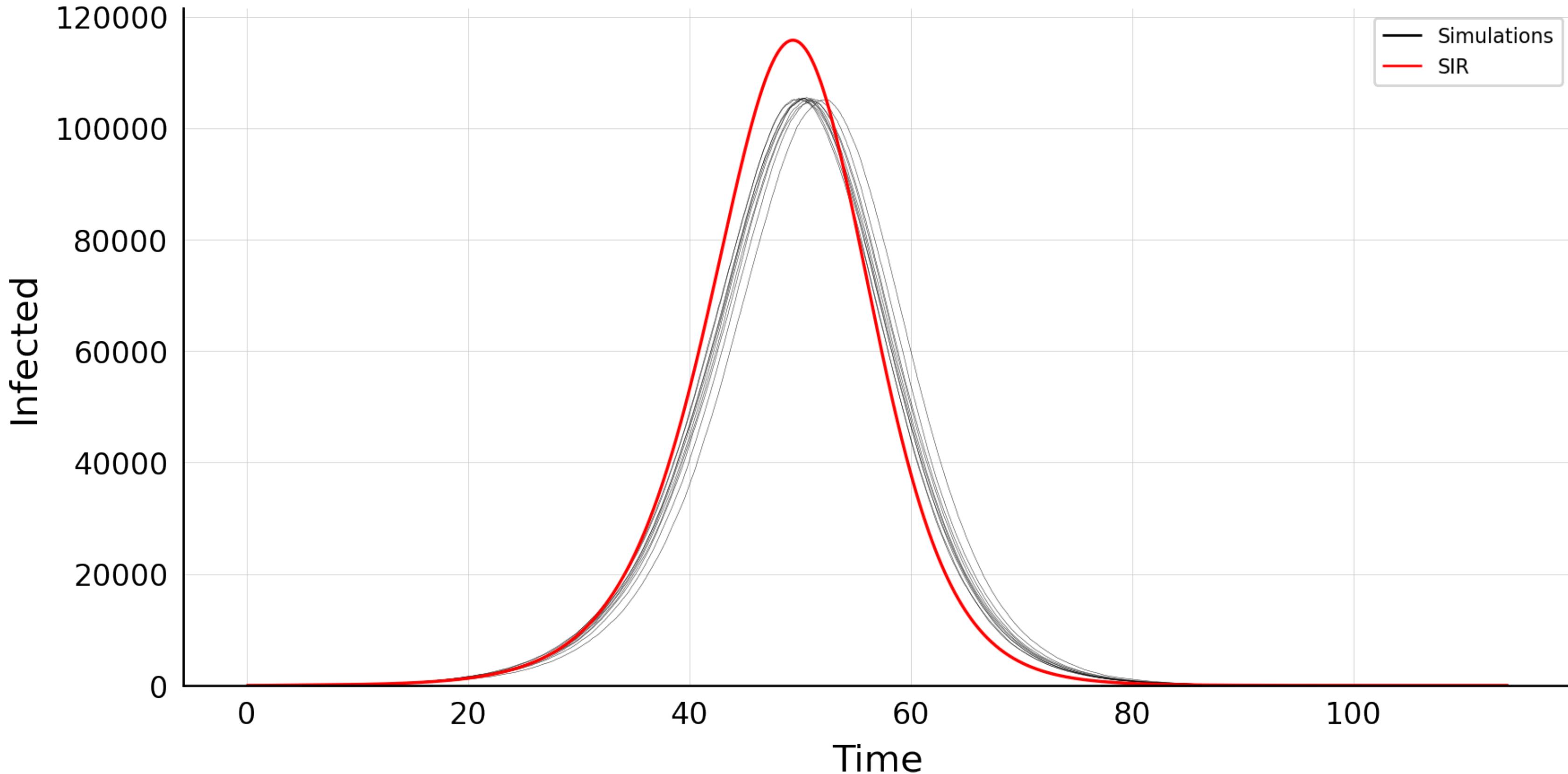
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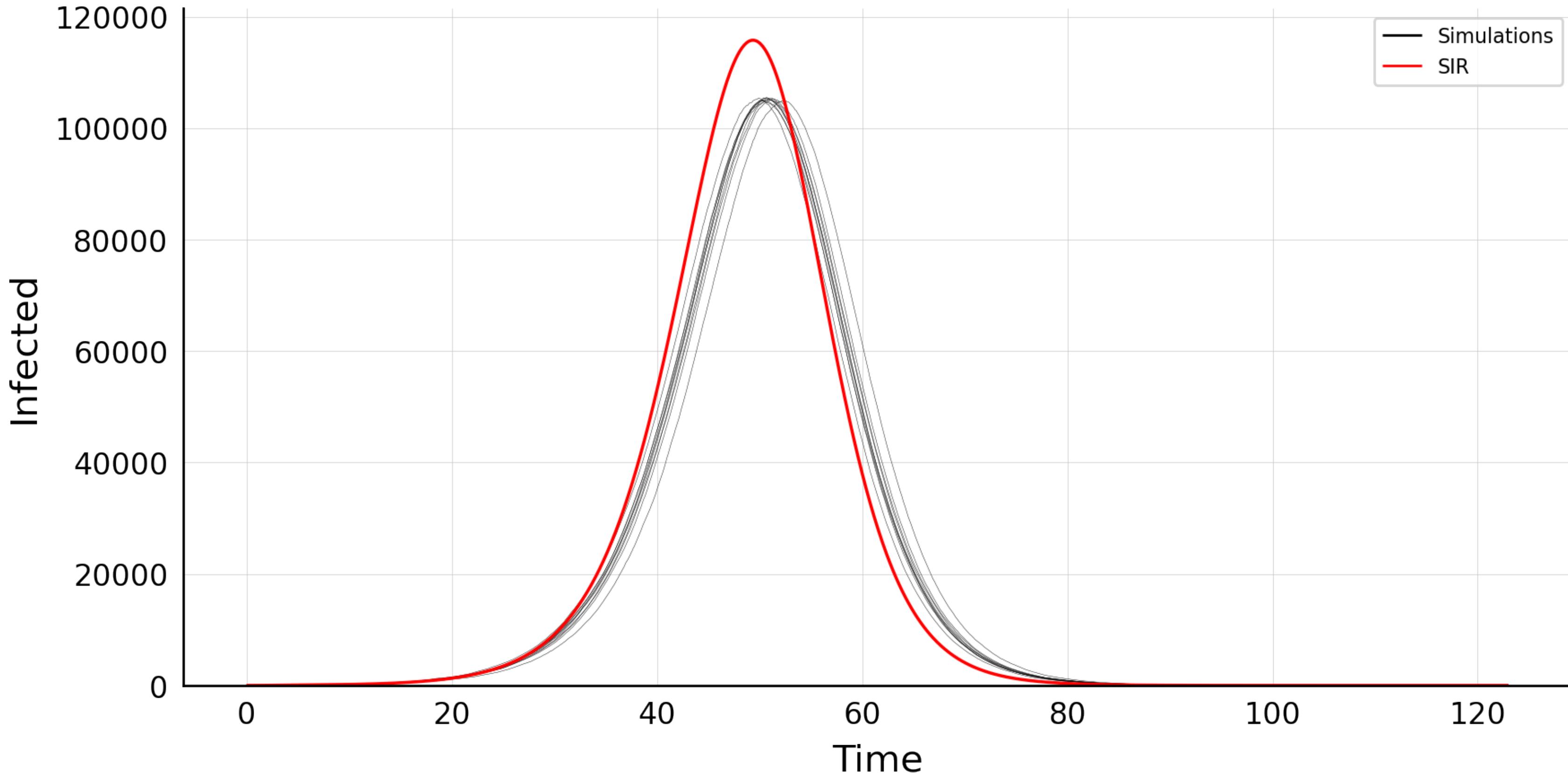
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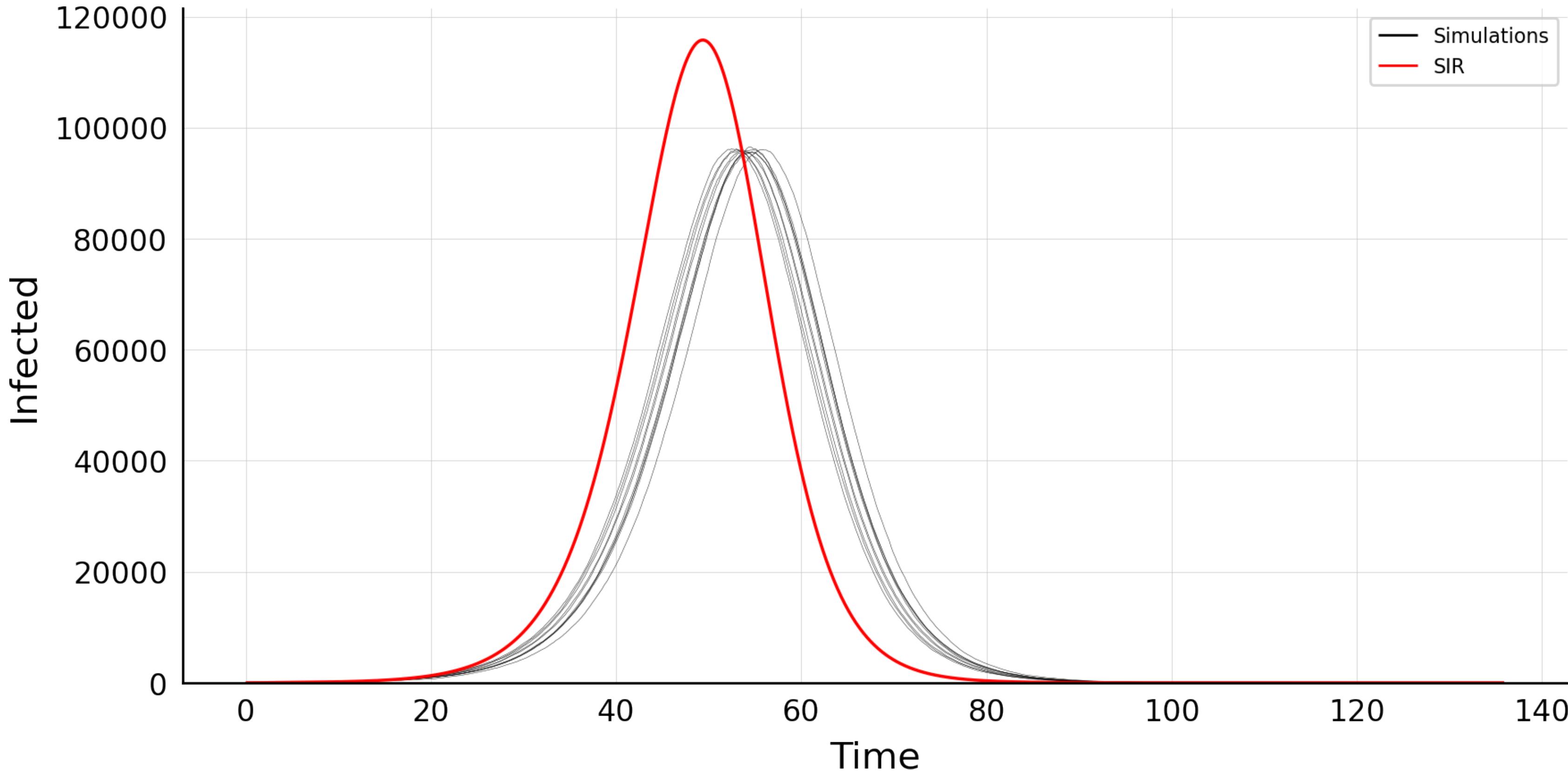
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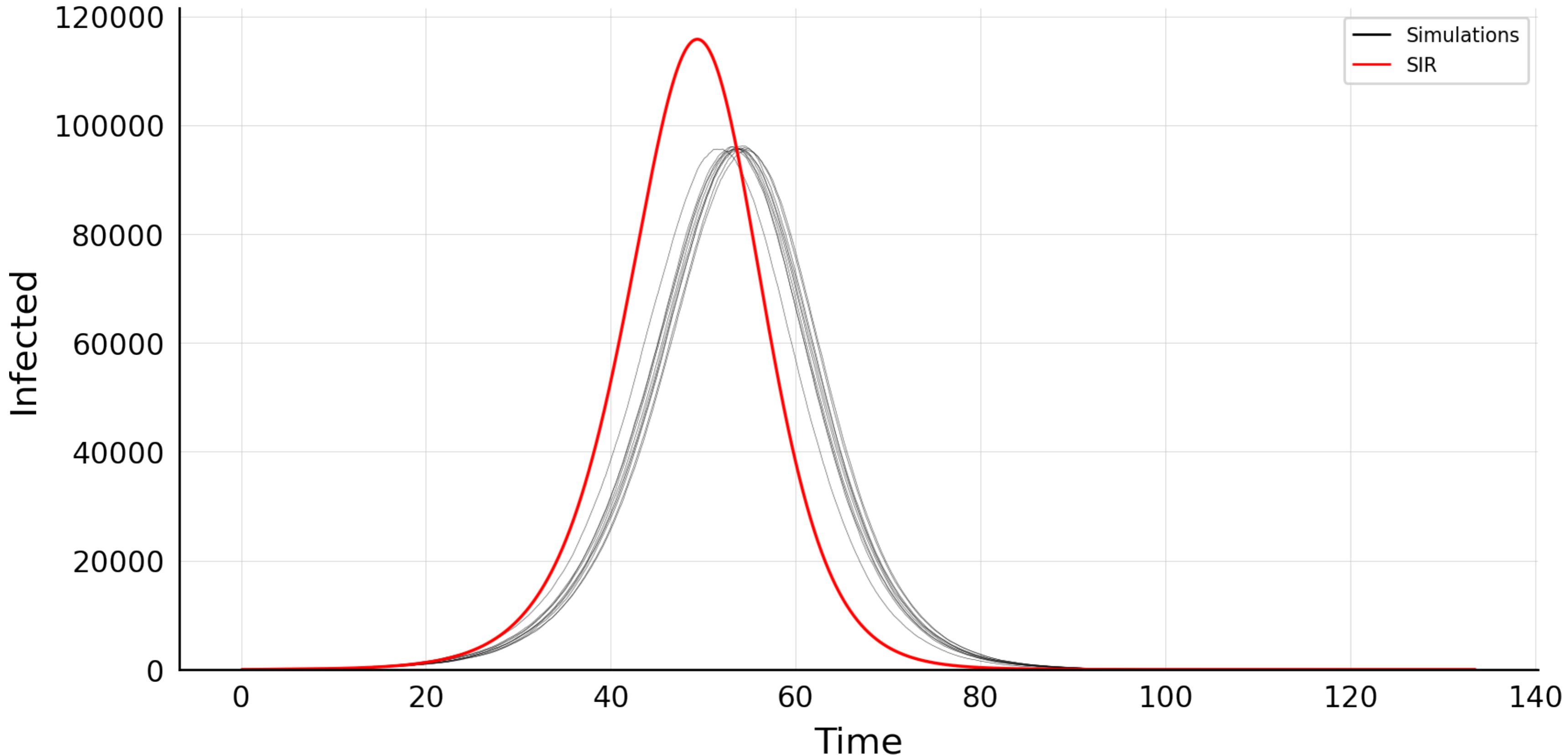
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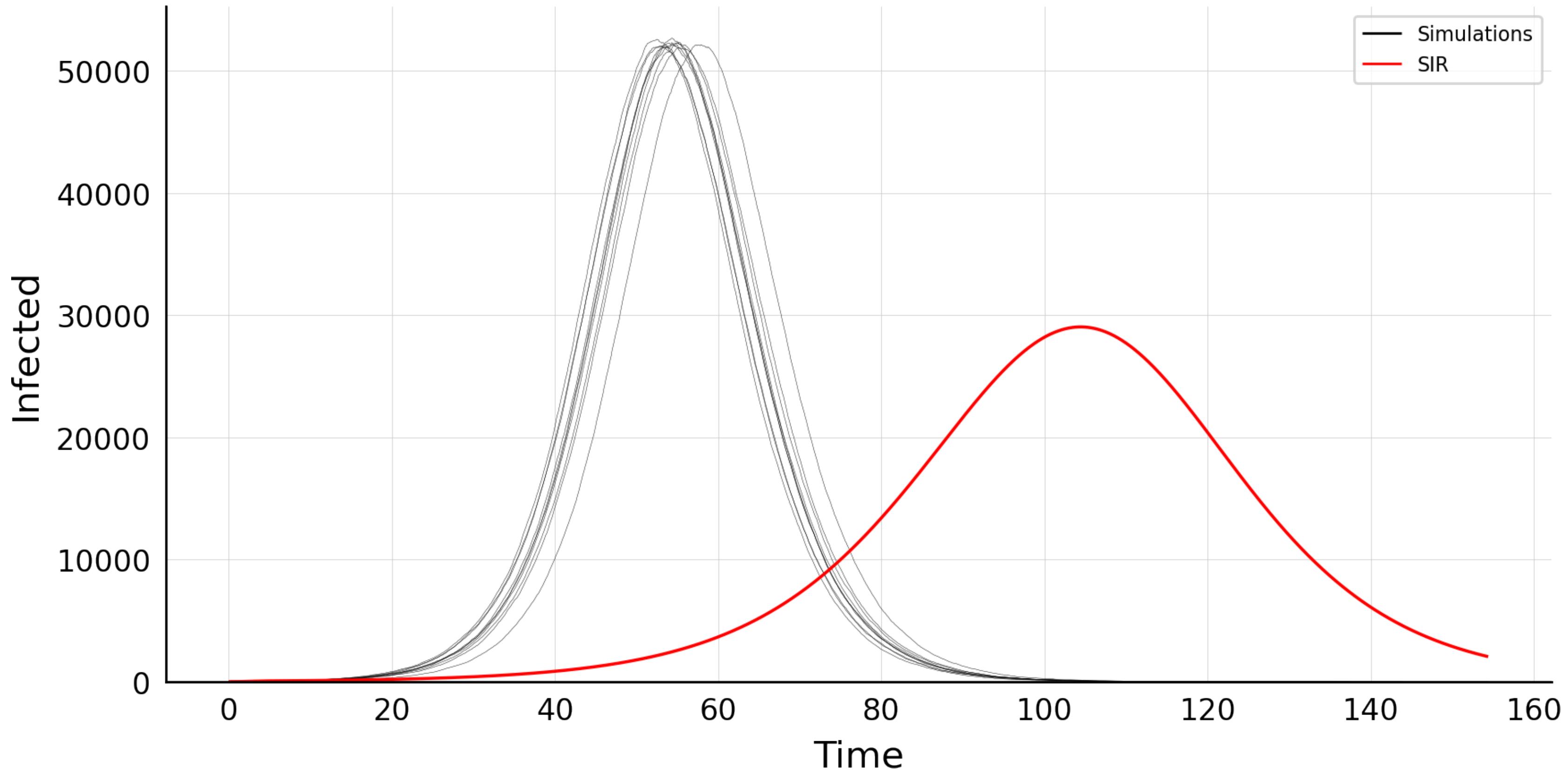
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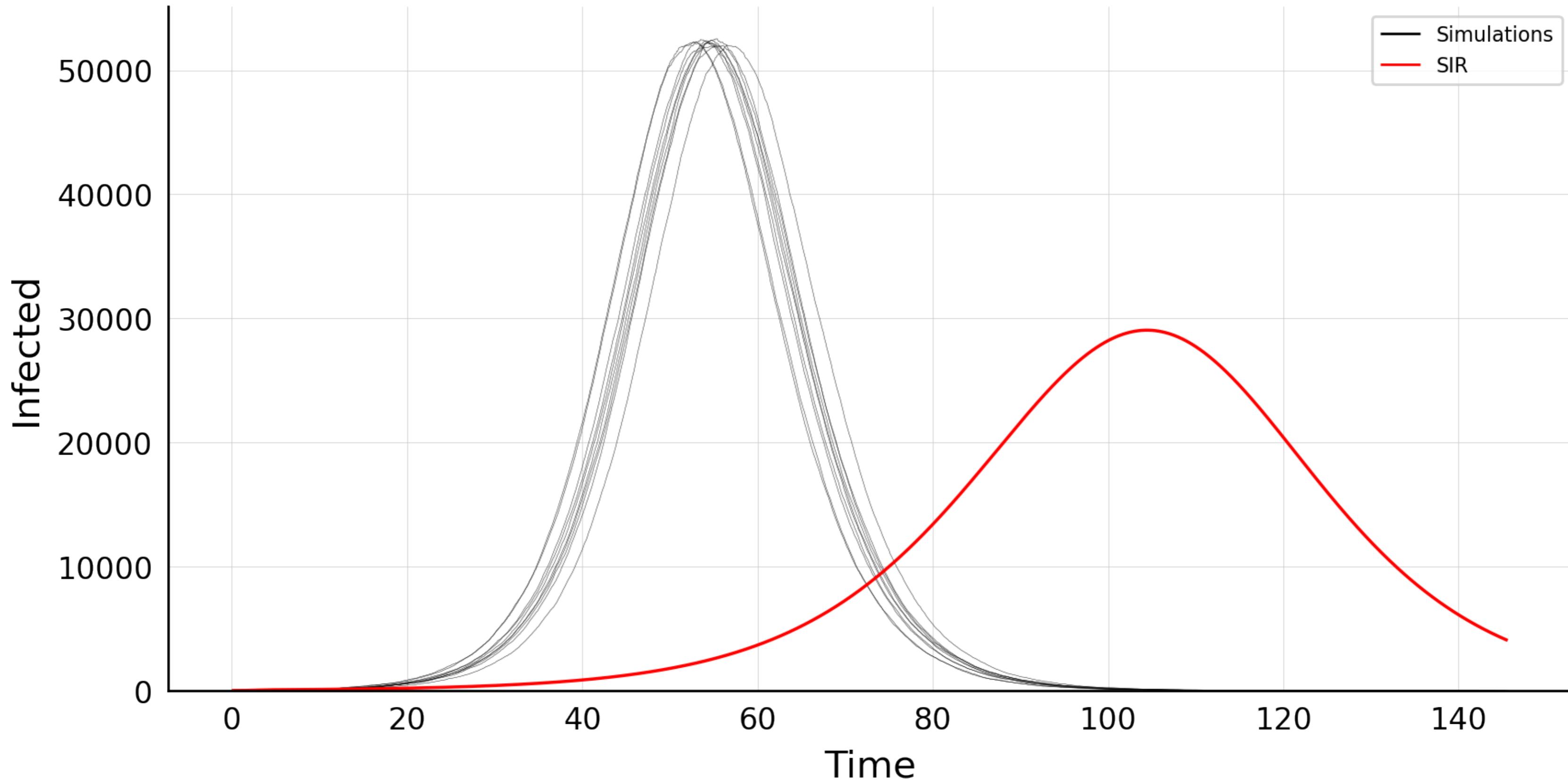
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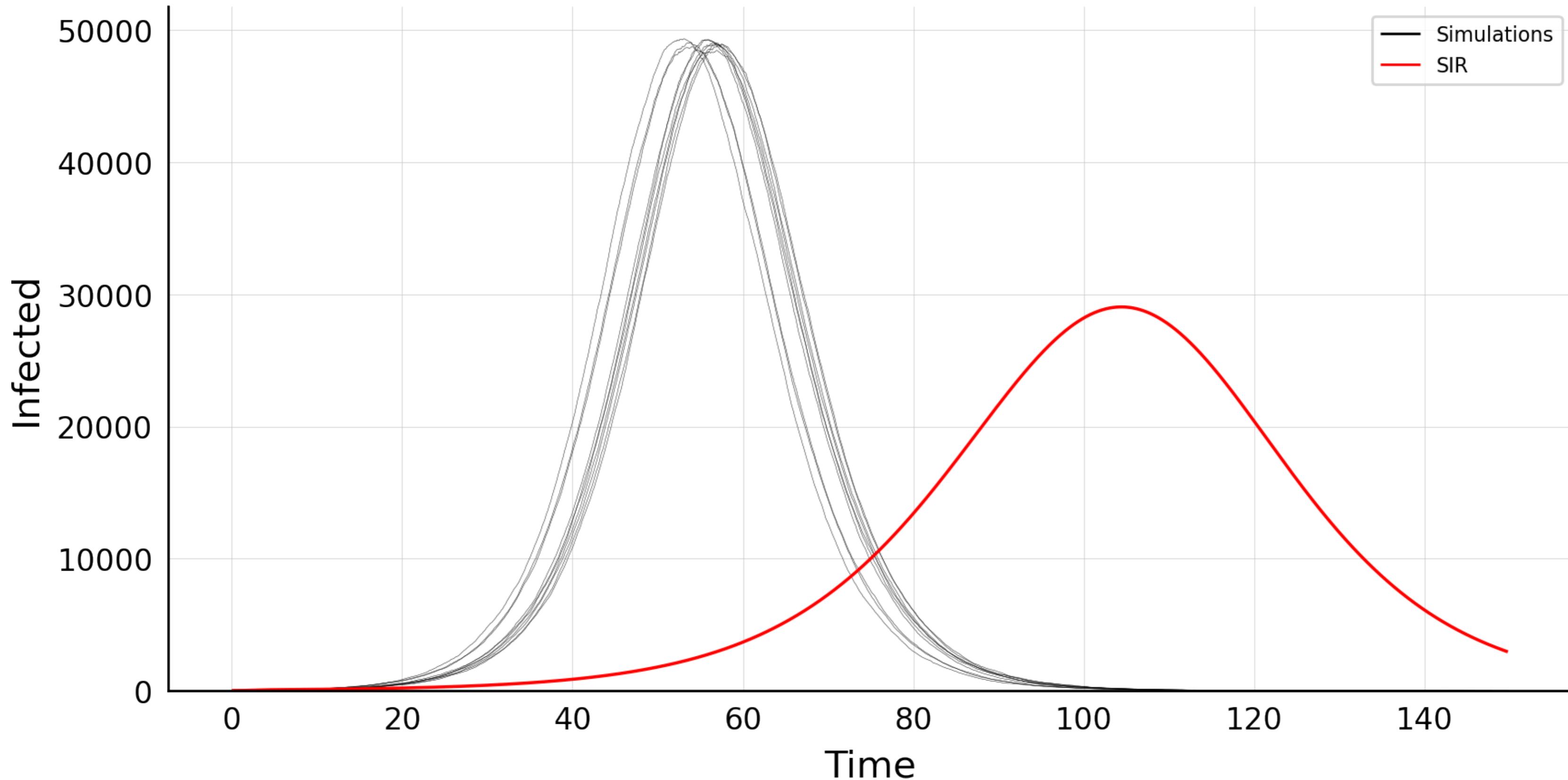
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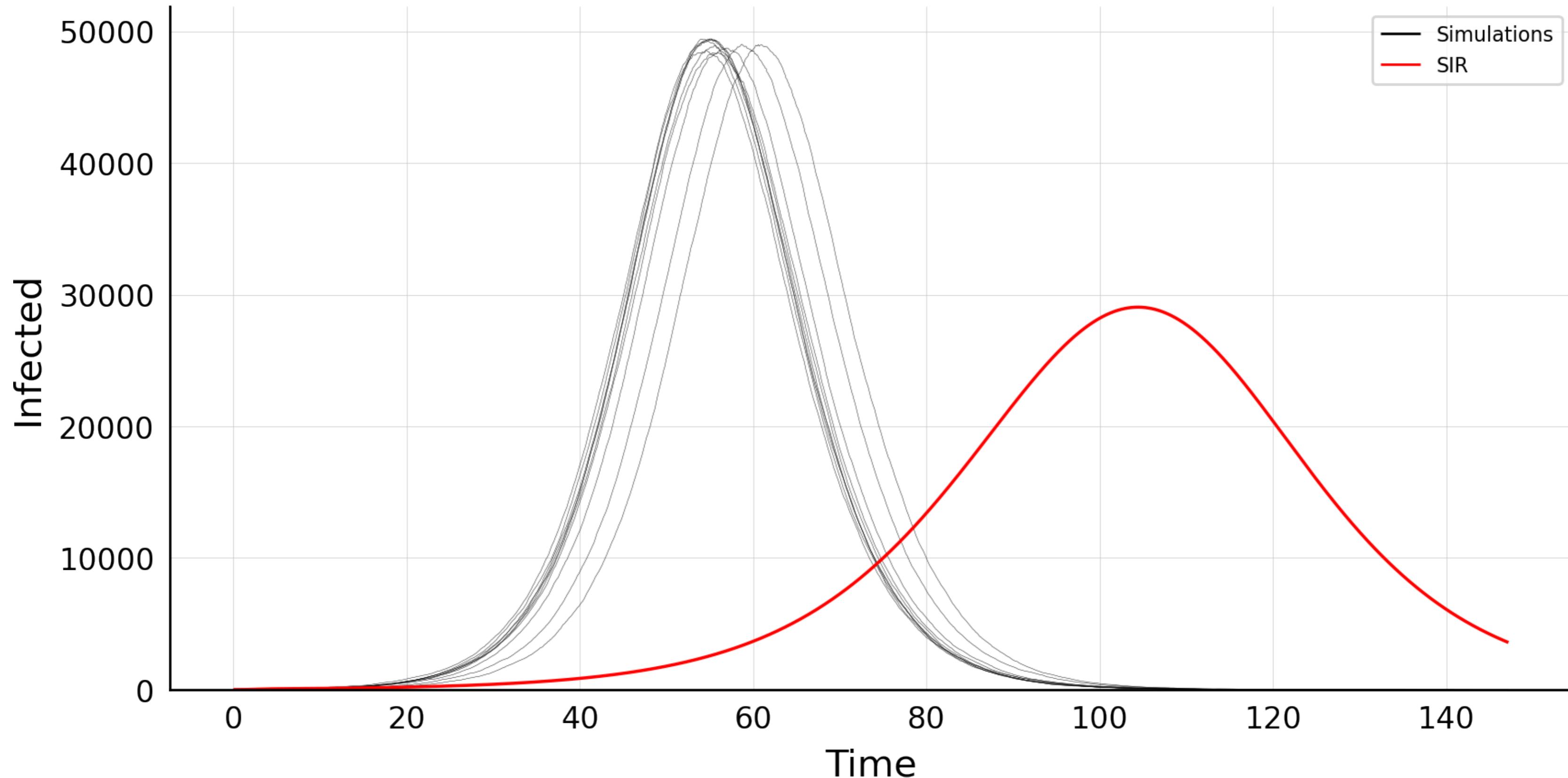
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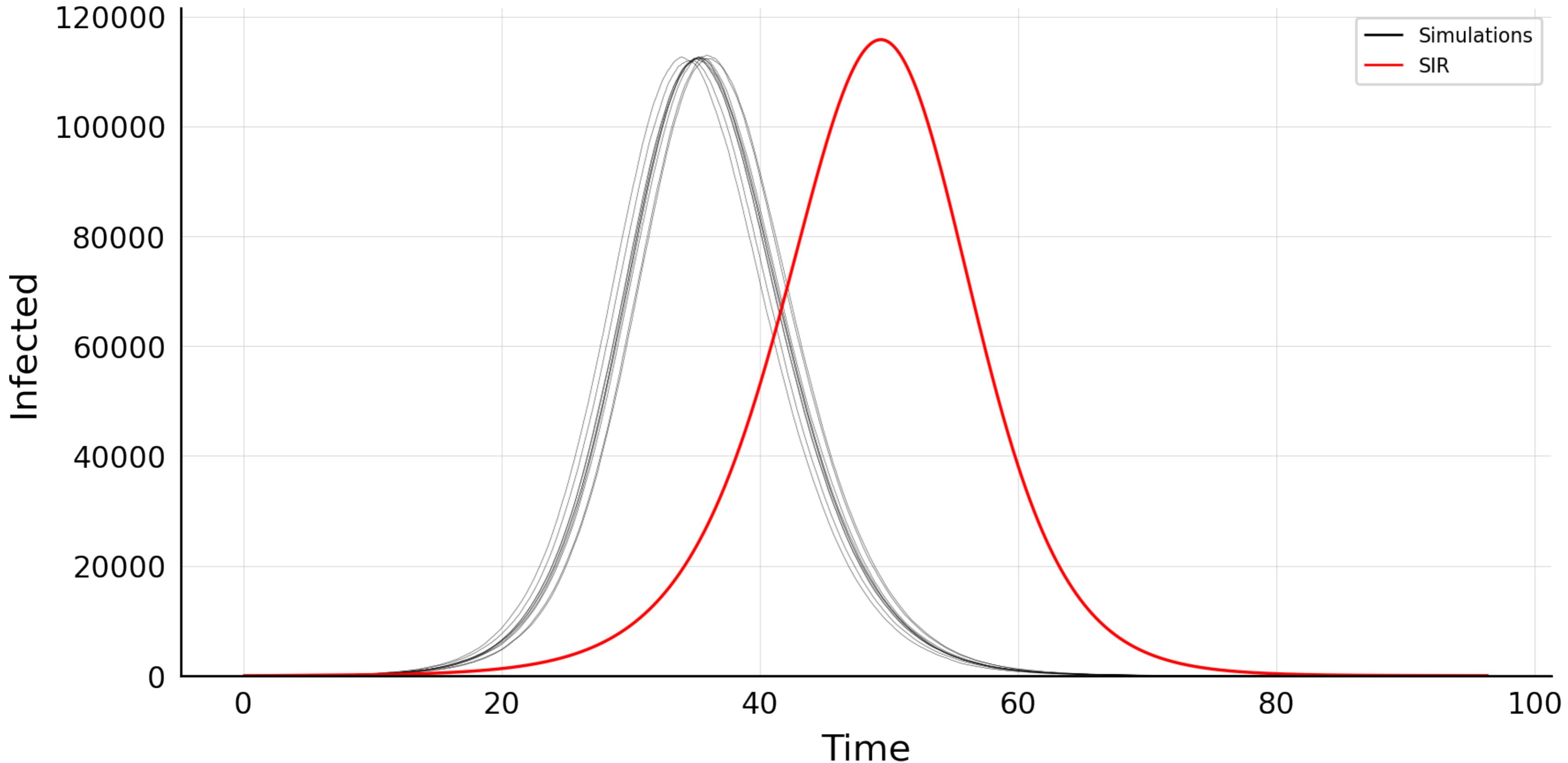
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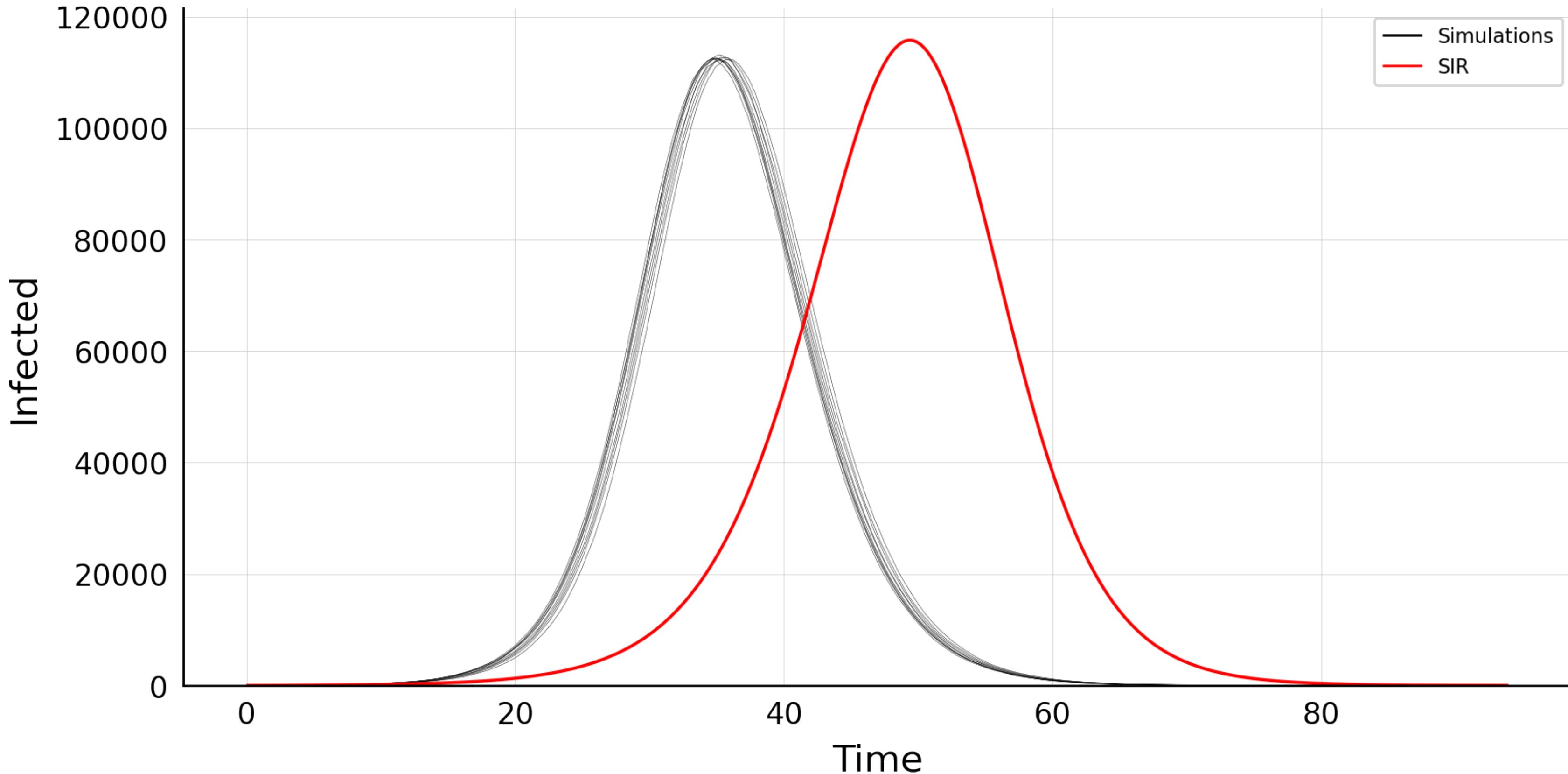
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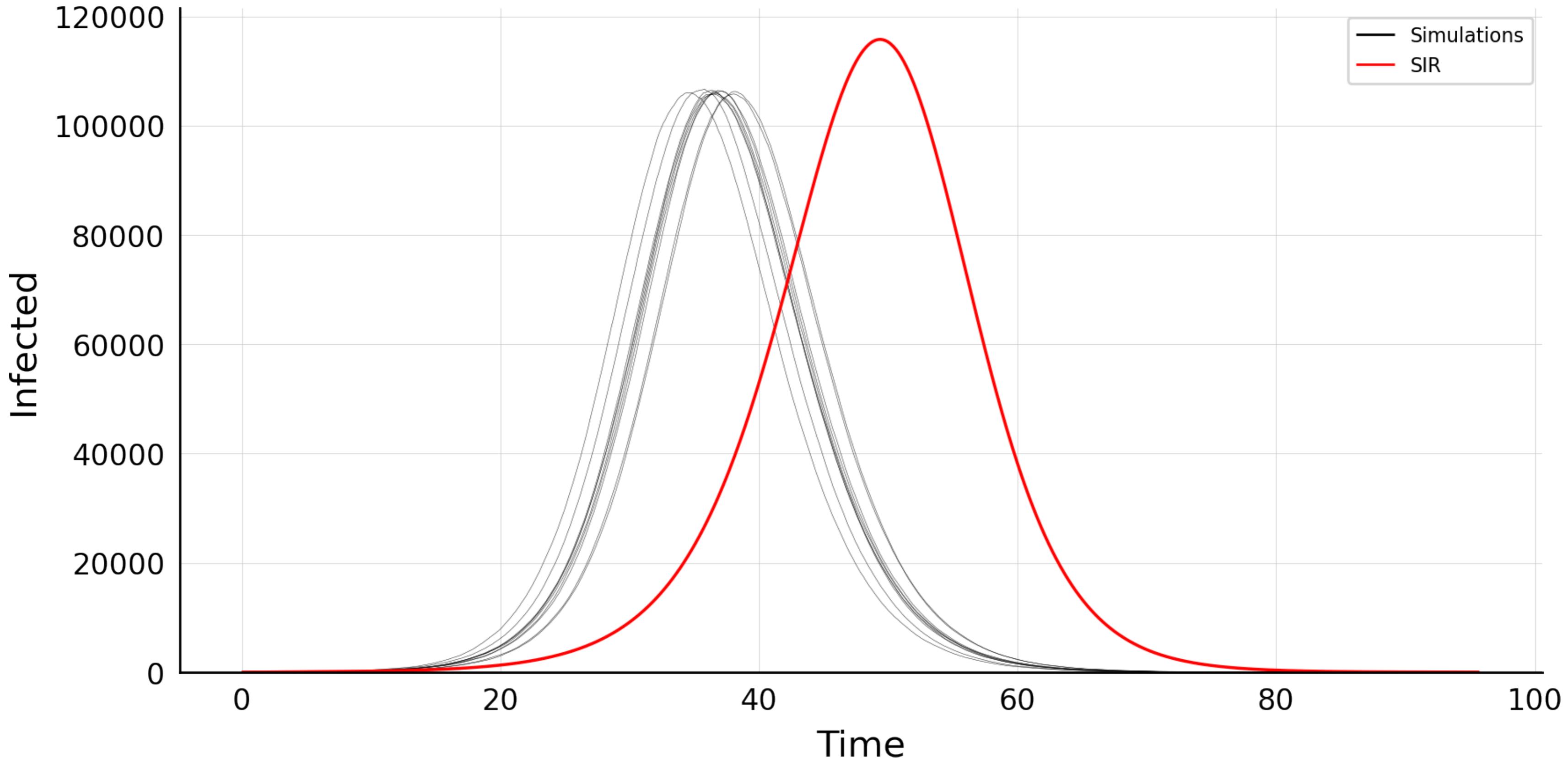
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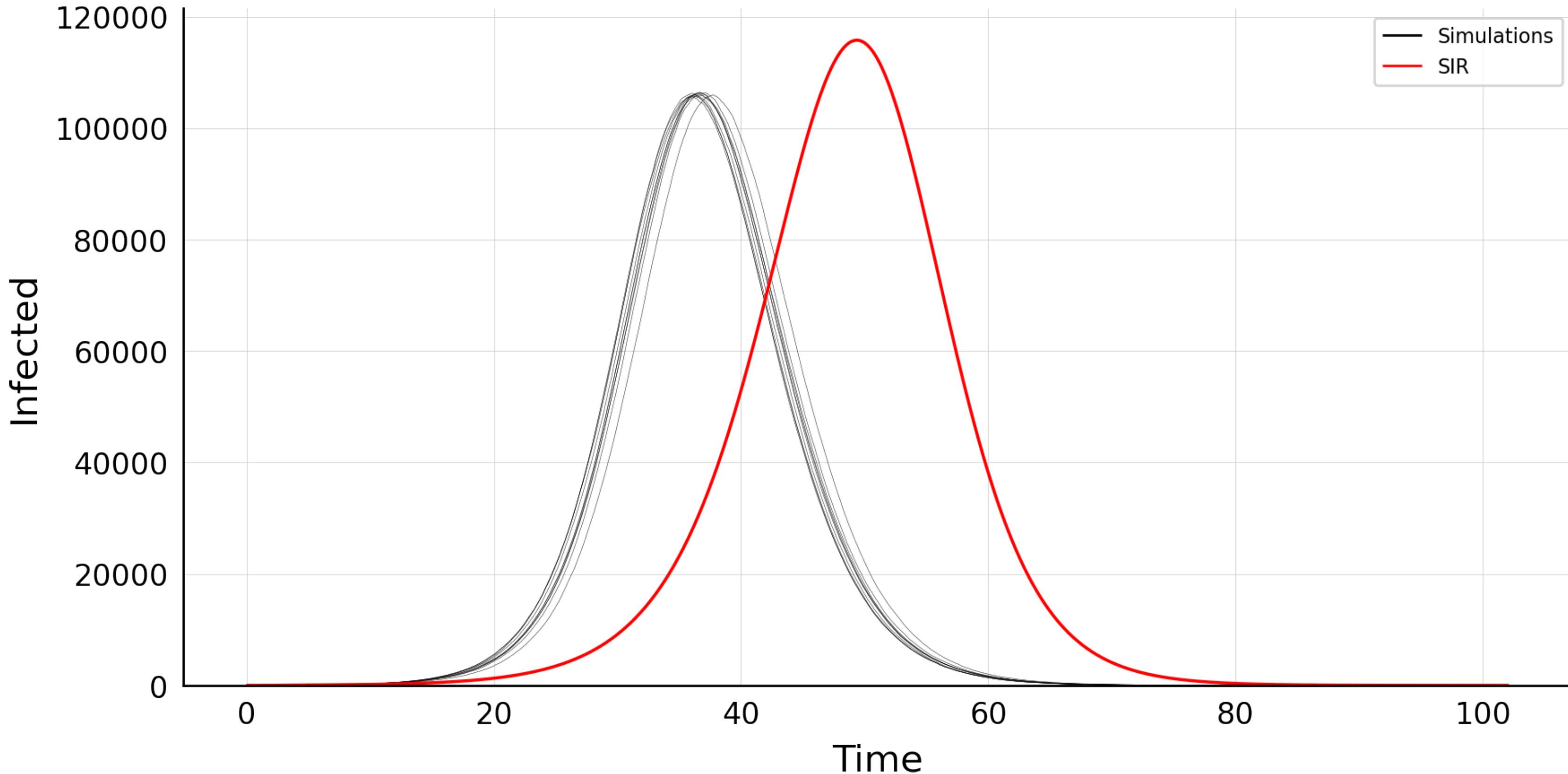
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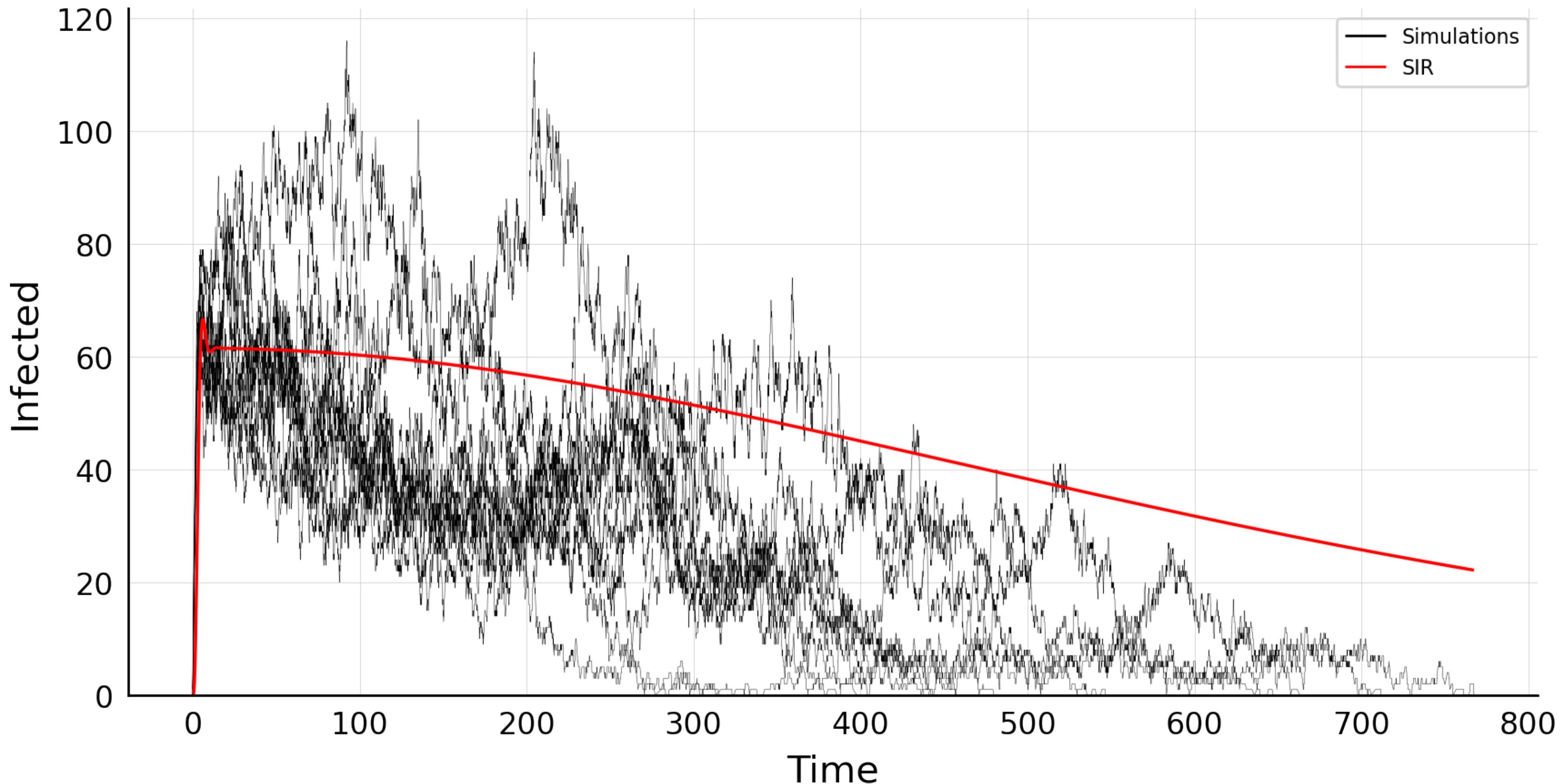
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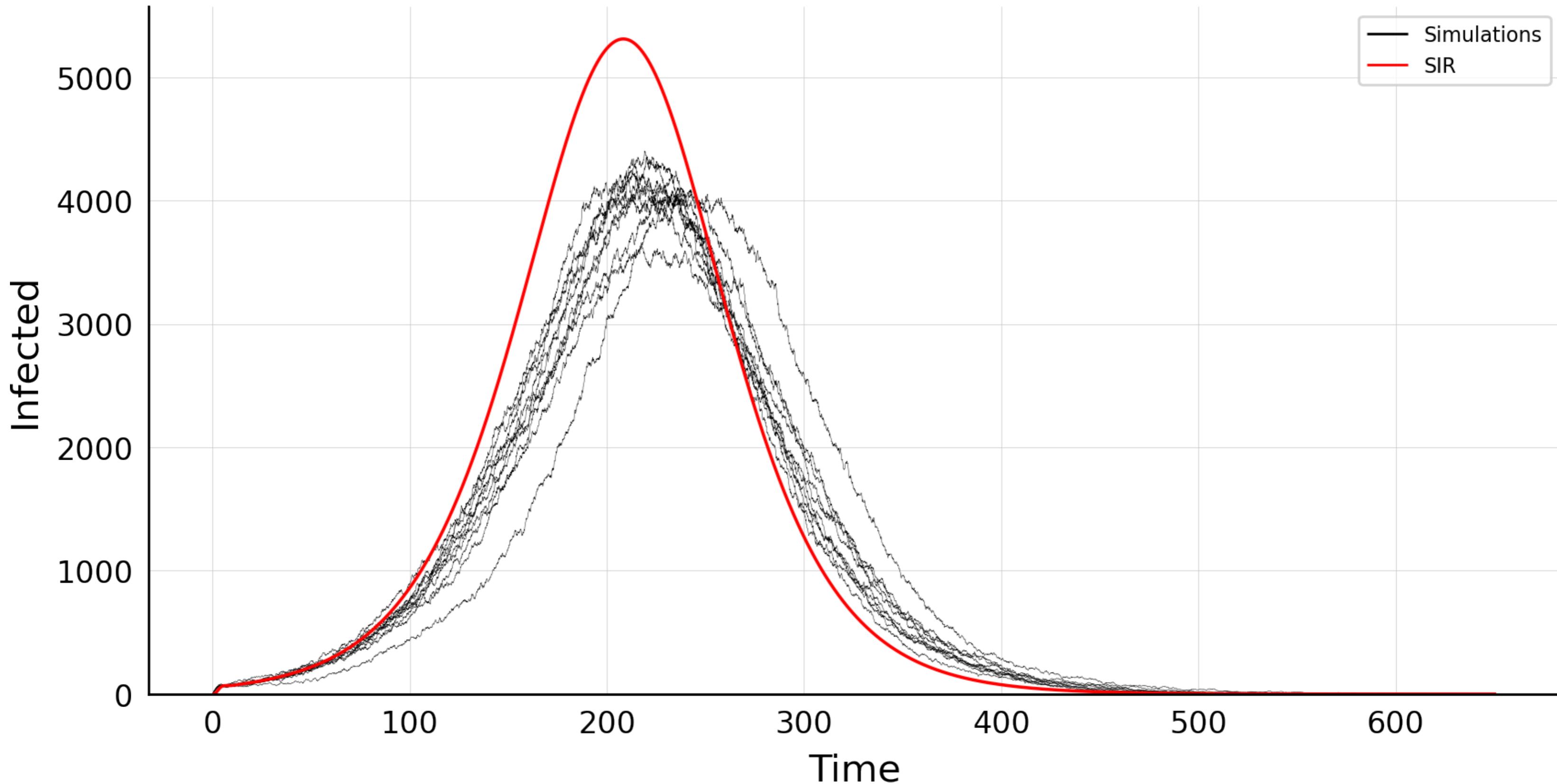
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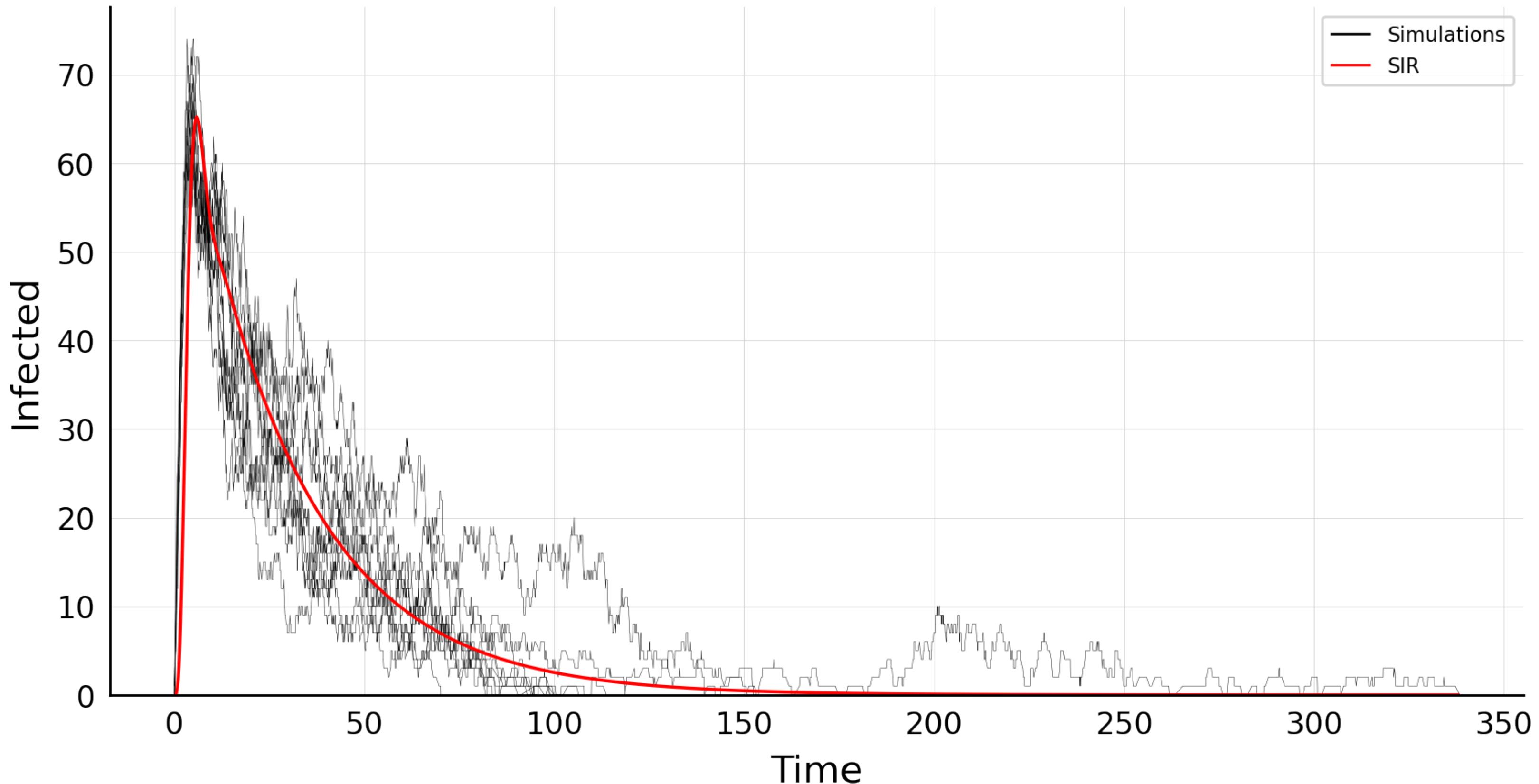
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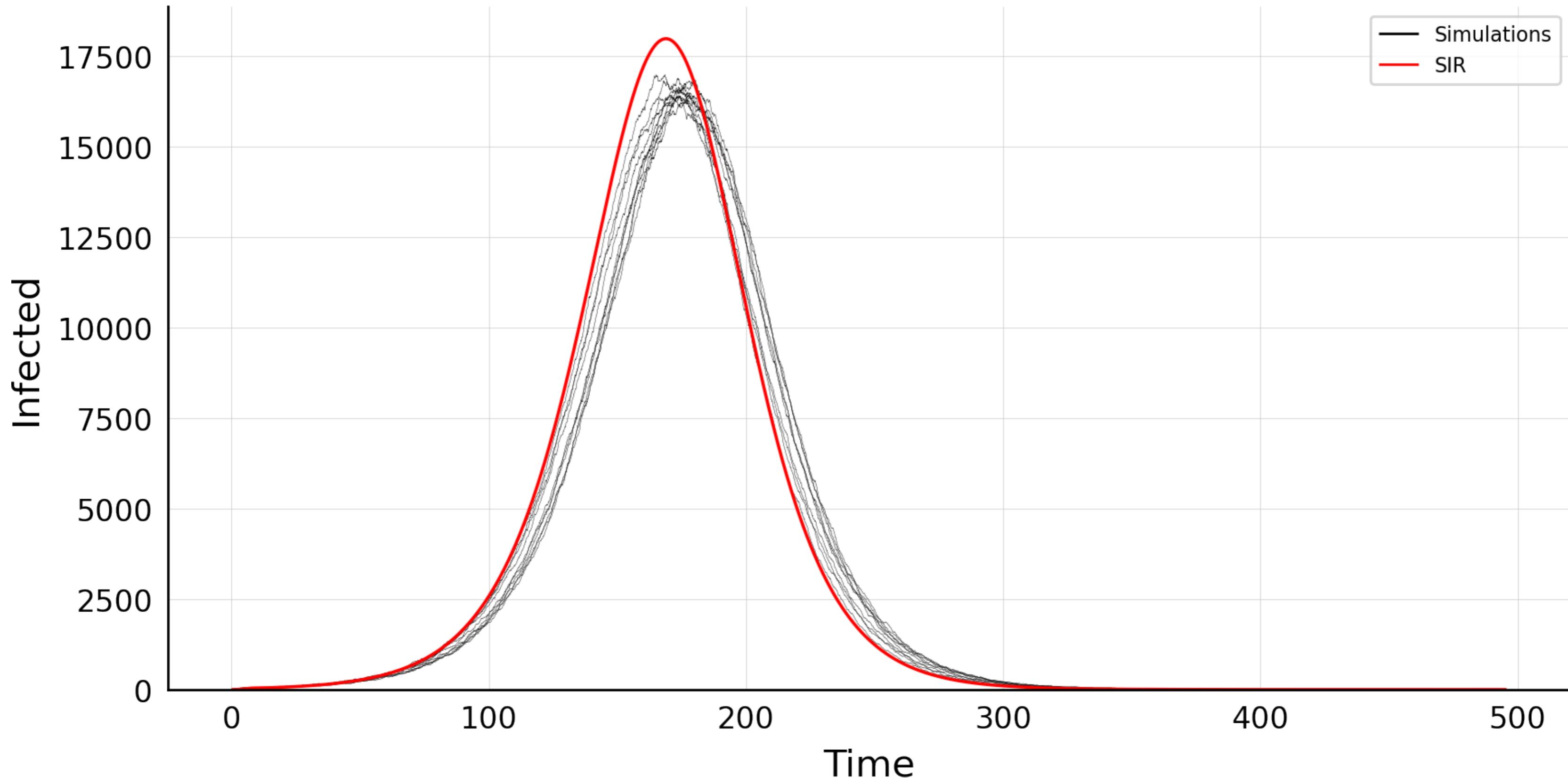
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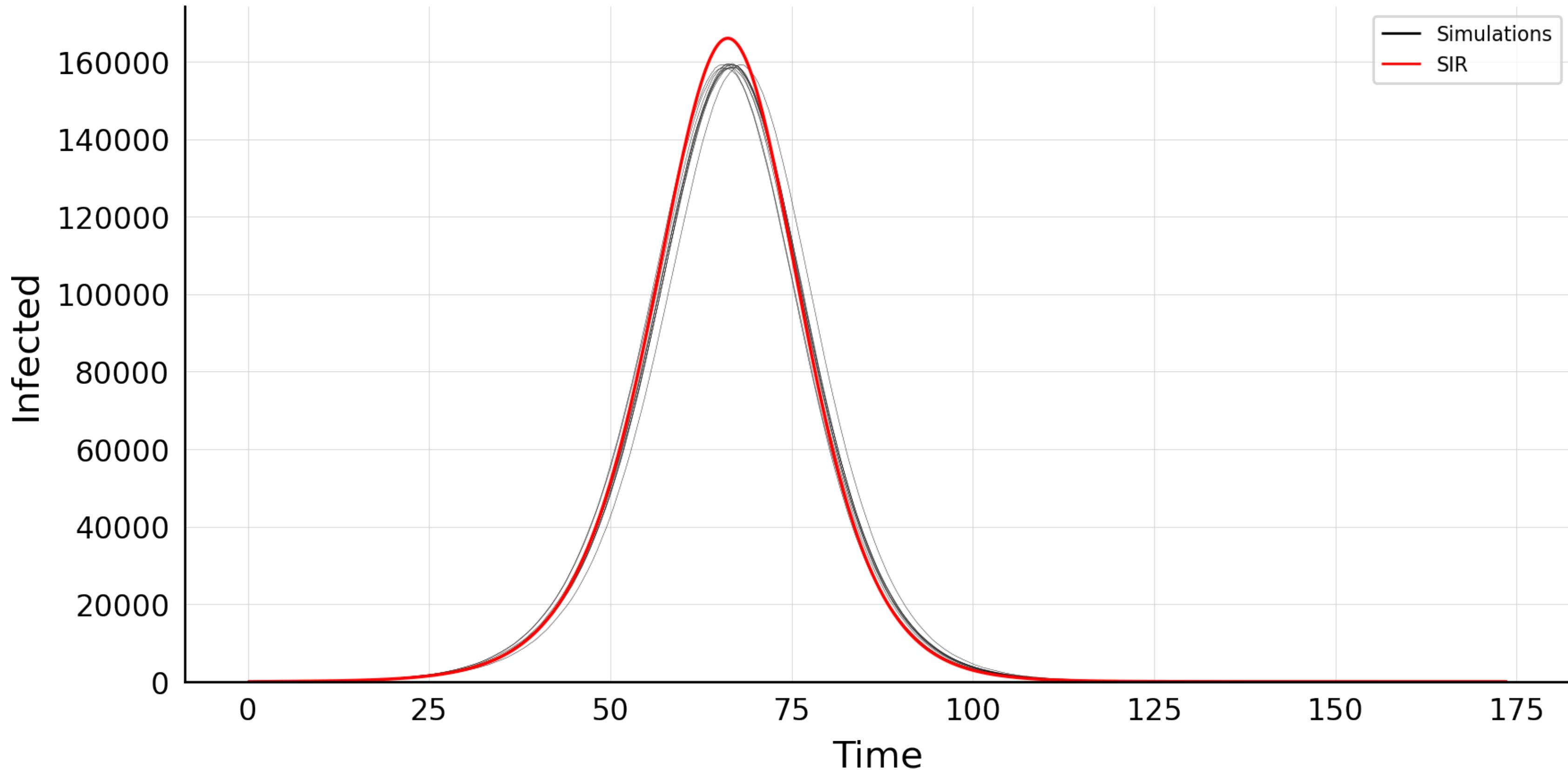
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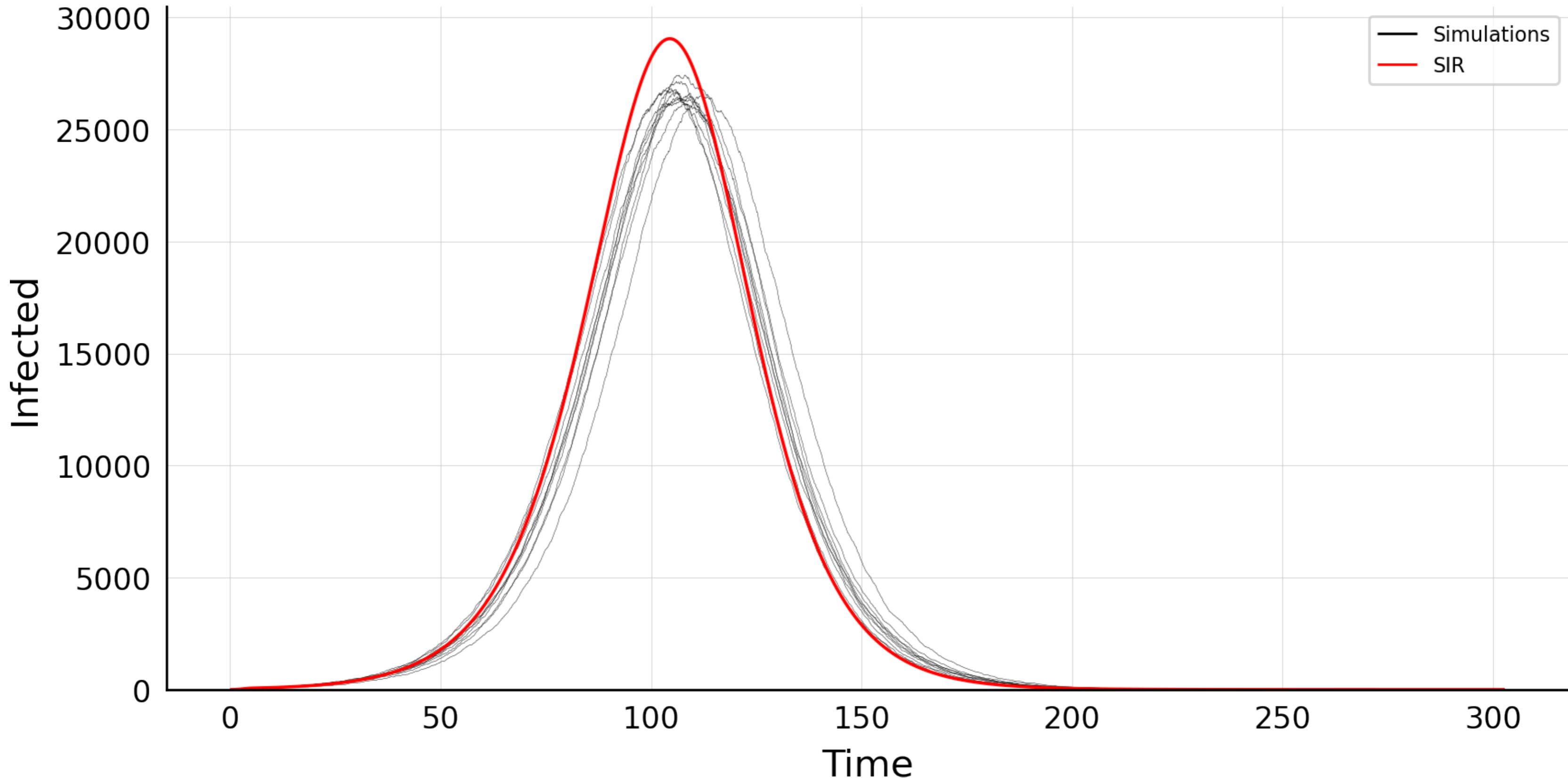
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $N_{\text{ages}} = 1$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, $\rho = 0.0$
 $\lambda_E = 0.5$, $\lambda_I = 1.0$, $\epsilon_\rho = 0.01$, $\beta_{\text{scaling}} = 1.0$, $\text{age}_{\text{mixing}} = 1.0$, $\text{algo} = 2$, #10



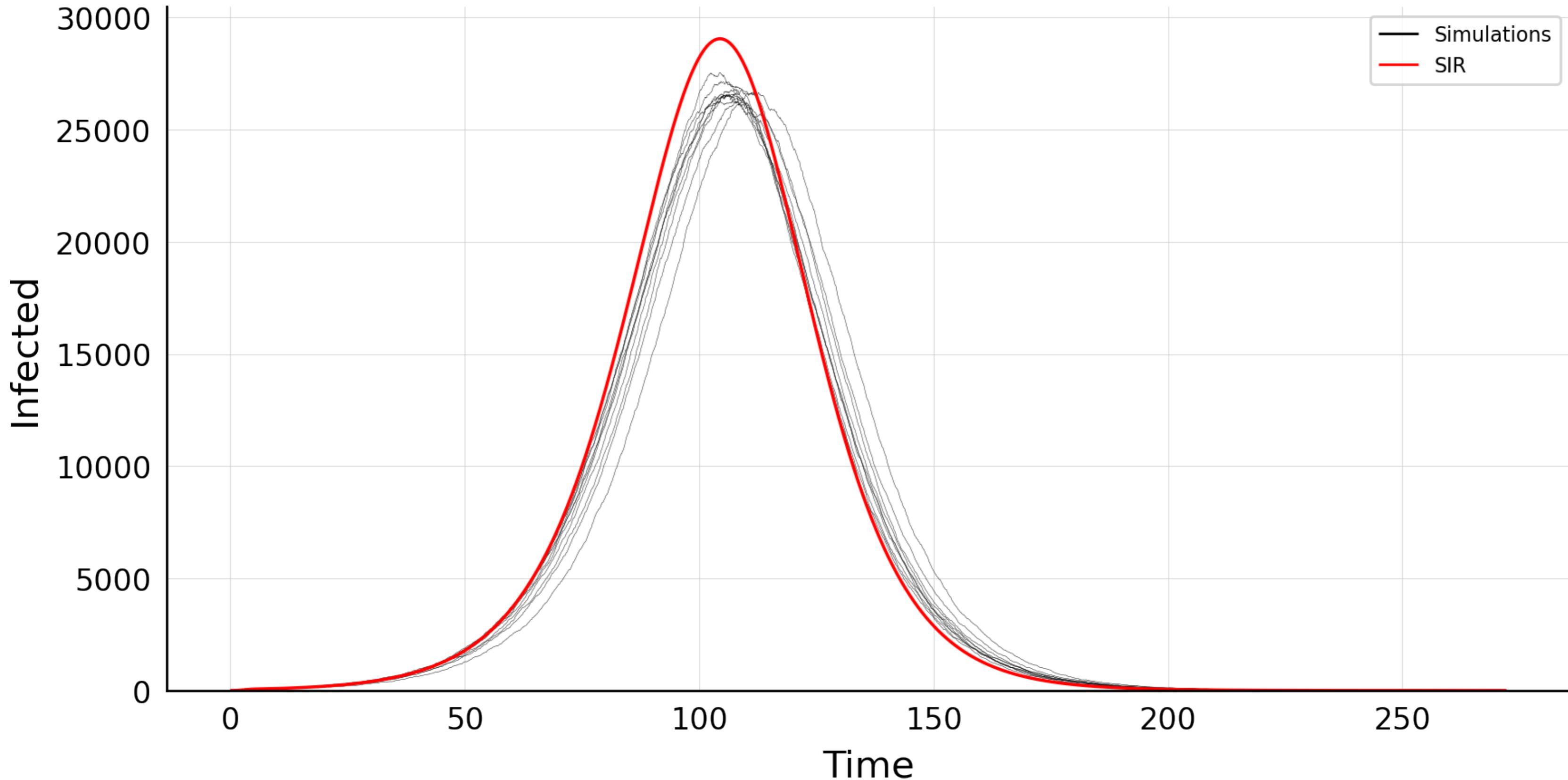
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 $\lambda_E = 1.0$, $\lambda_I = 0.5$, $\epsilon_\rho = 0.01$, $\beta_{\text{scaling}} = 1.0$, $\text{age}_{\text{mixing}} = 1.0$, $\text{algo} = 2$, #10



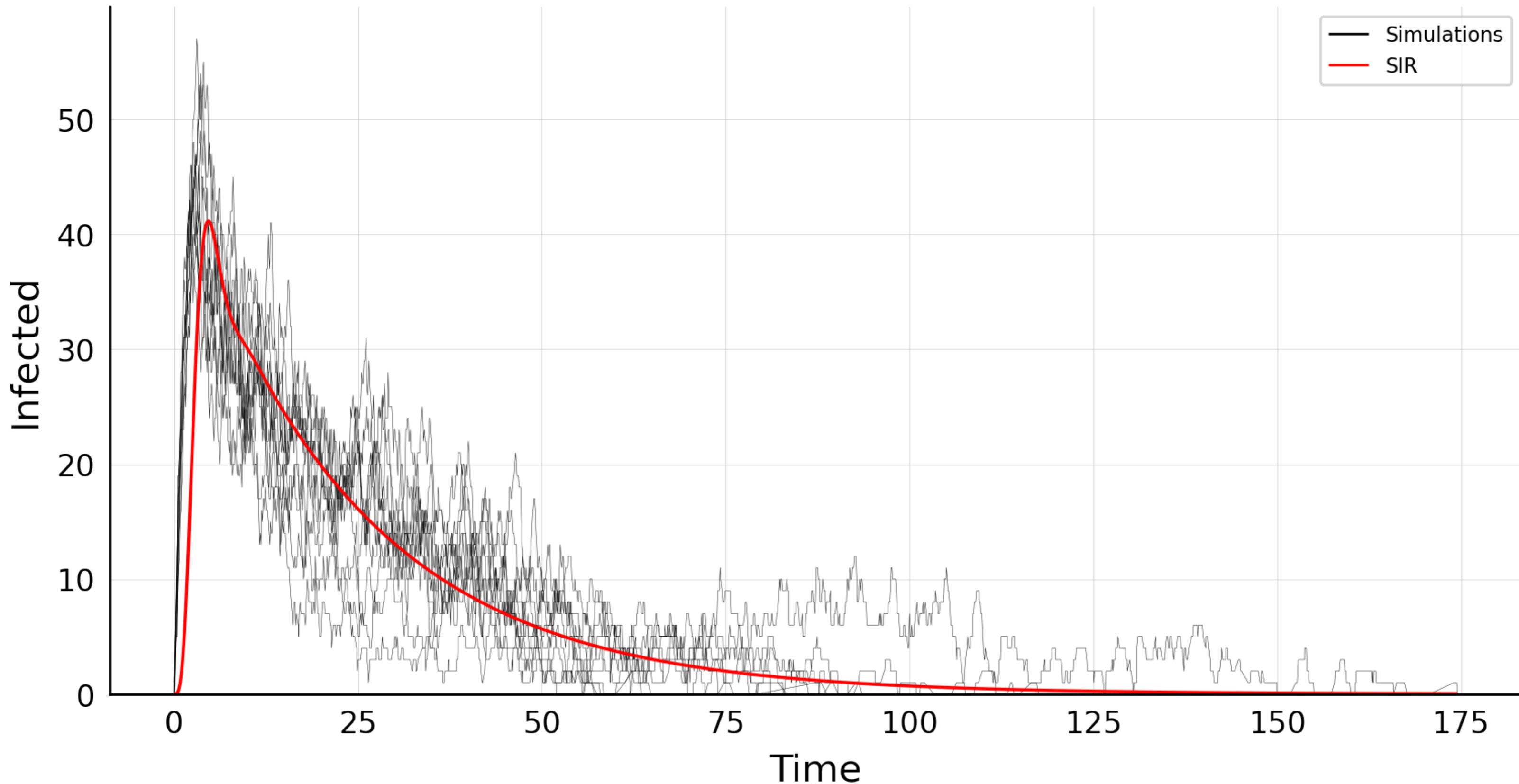
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 $\lambda_E = 1.0$, $\lambda_I = 1.0$, $\epsilon_\rho = 0.01$, $\beta_{\text{scaling}} = 1.0$, $\text{age}_{\text{mixing}} = 1.0$, $\text{algo} = 1$, $\#10$



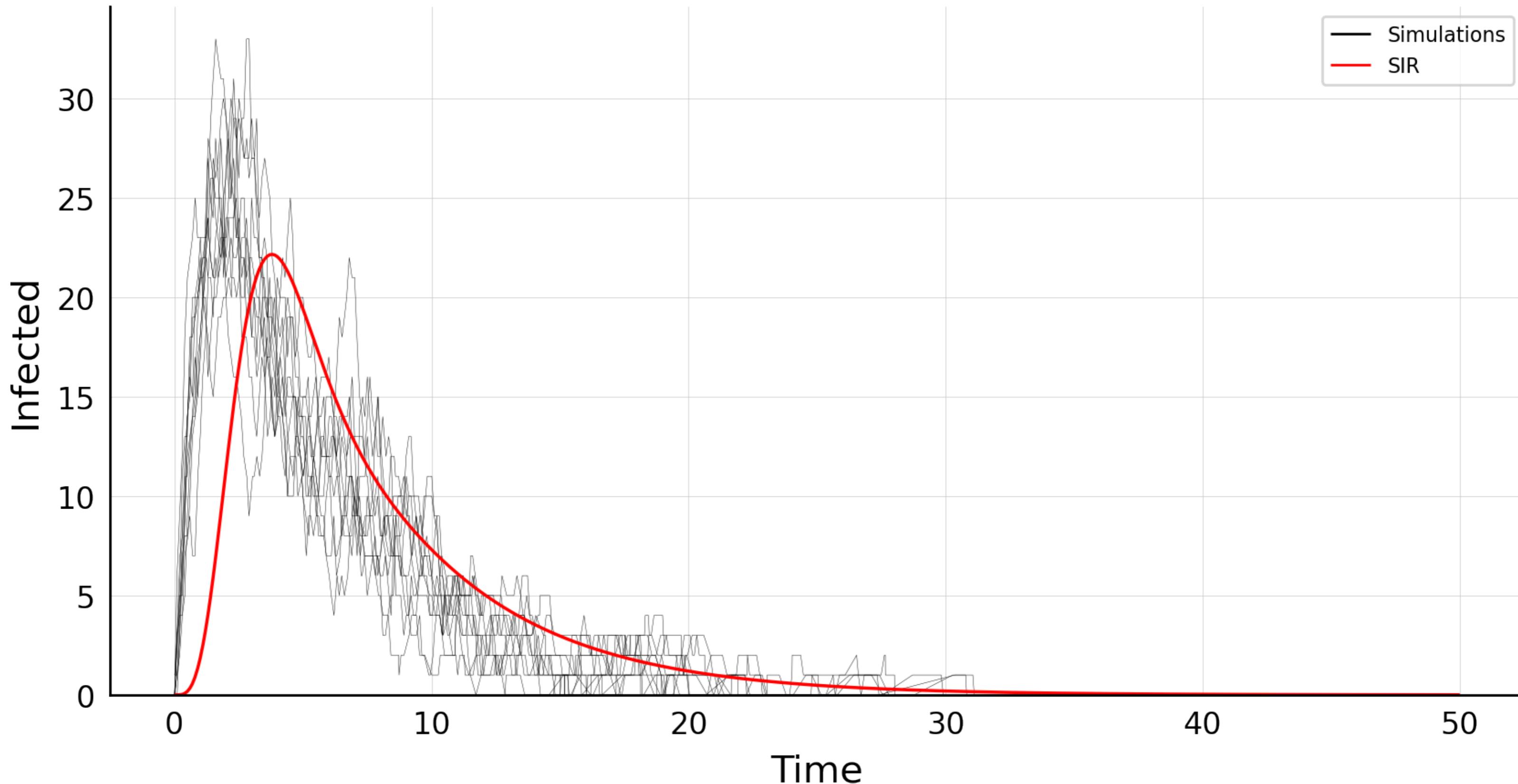
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $N_{\text{ages}} = 1$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, $\rho = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, $\epsilon_\rho = 0.01$, $\beta_{\text{scaling}} = 1.0$, $\text{age}_{\text{mixing}} = 1.0$, $\text{algo}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



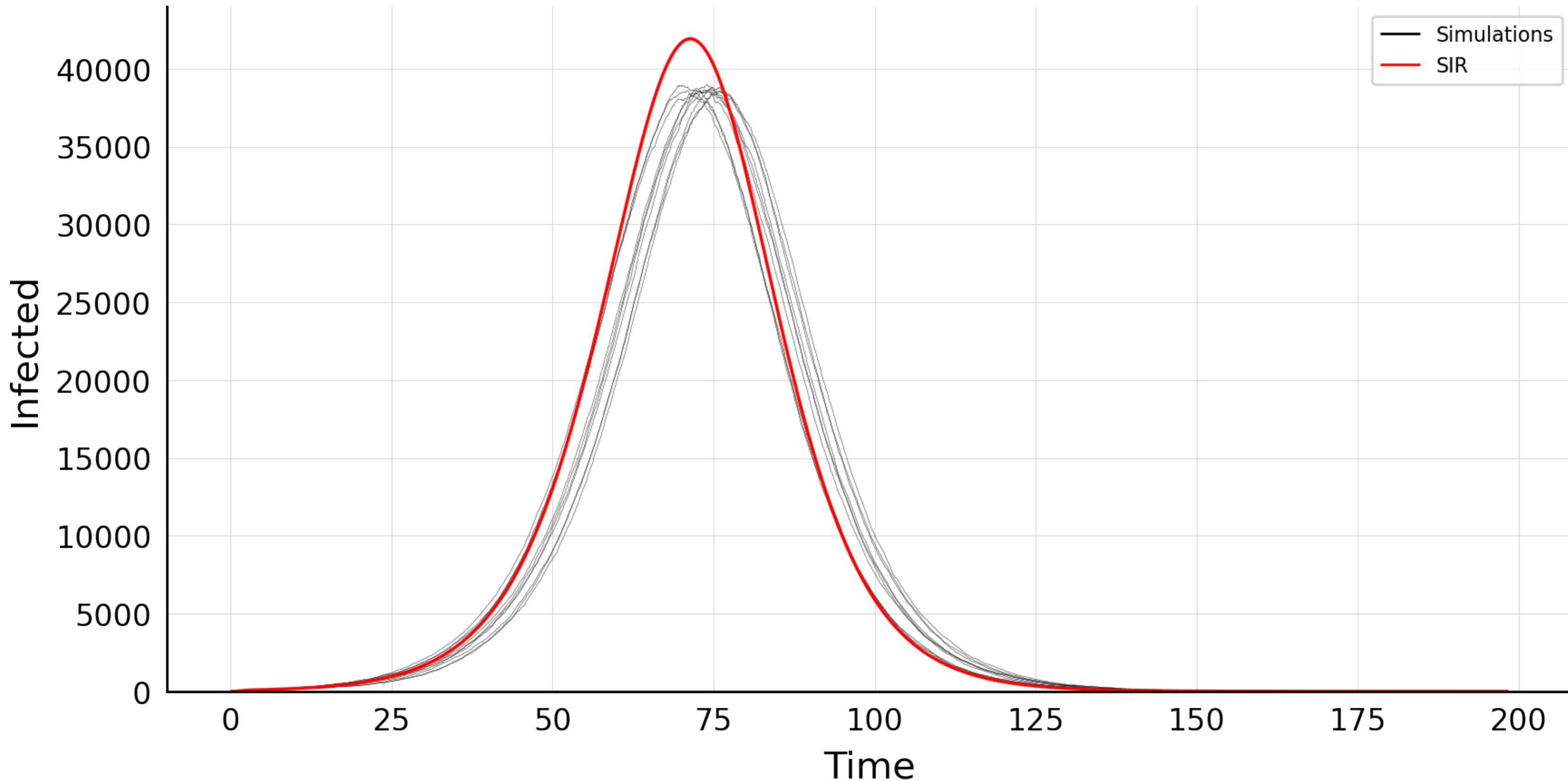
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 $\lambda_E = 1.0$, $\lambda_I = 2.0$, $\epsilon_\rho = 0.01$, $\beta_{\text{scaling}} = 1.0$, $\text{age}_{\text{mixing}} = 1.0$, $\text{algo} = 2$, $\#10$



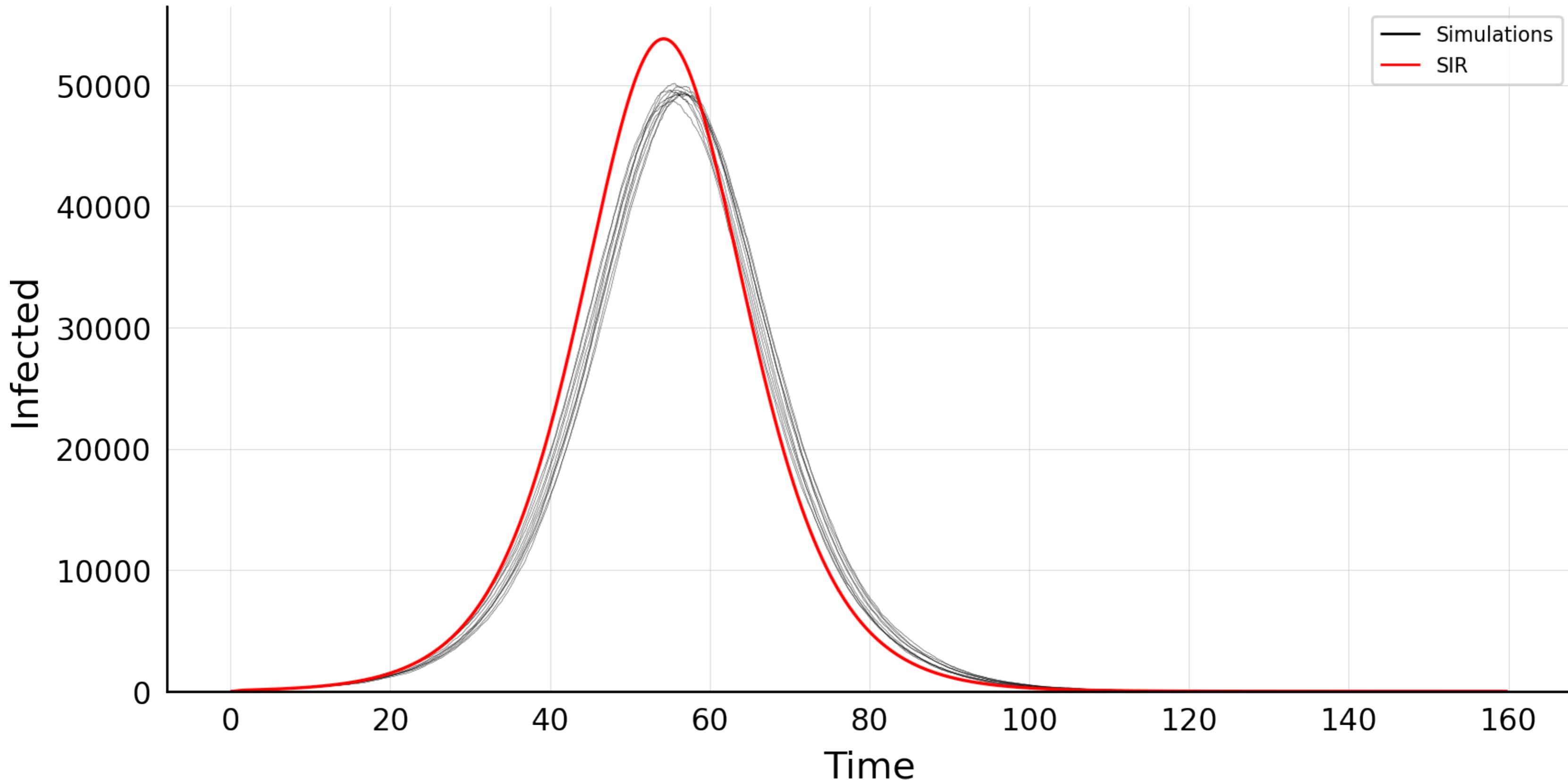
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 $\lambda_E = 1.0$, $\lambda_I = 4.0$, $\epsilon_\rho = 0.01$, $\beta_{\text{scaling}} = 1.0$, $\text{age}_{\text{mixing}} = 1.0$, $\text{algo} = 2$, $\#10$



$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $N_{\text{ages}} = 1$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, $\rho = 0.0$
 $\lambda_E = 2.0$, $\lambda_I = 1.0$, $\epsilon_\rho = 0.01$, $\beta_{\text{scaling}} = 1.0$, $\text{age}_{\text{mixing}} = 1.0$, $\text{algo} = 2$, #10

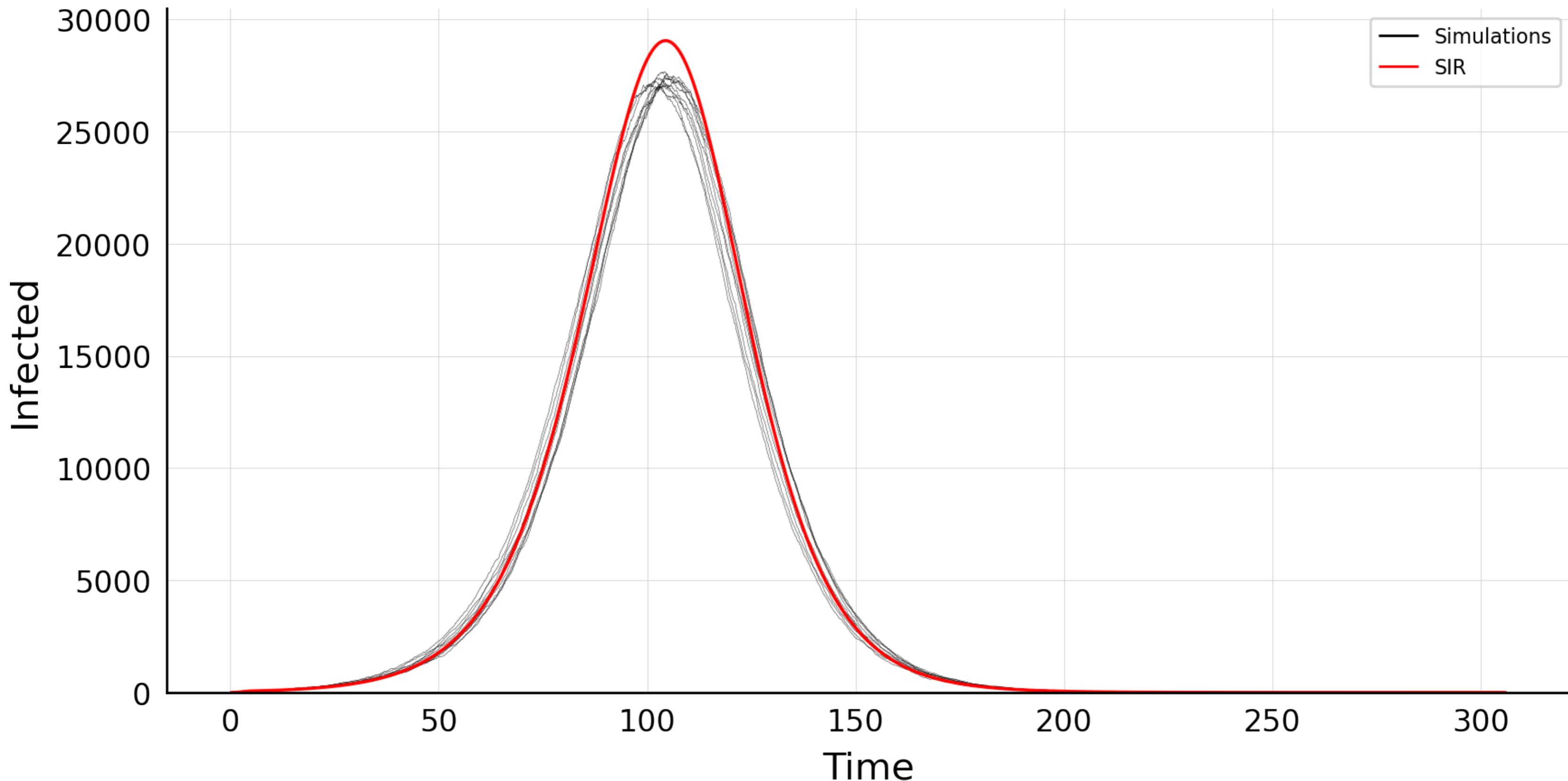


$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $N_{\text{ages}} = 1$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, $\rho = 0.0$
 $\lambda_E = 4.0$, $\lambda_I = 1.0$, $\epsilon_\rho = 0.01$, $\beta_{\text{scaling}} = 1.0$, $\text{age}_{\text{mixing}} = 1.0$, $\text{algo} = 2$, #10



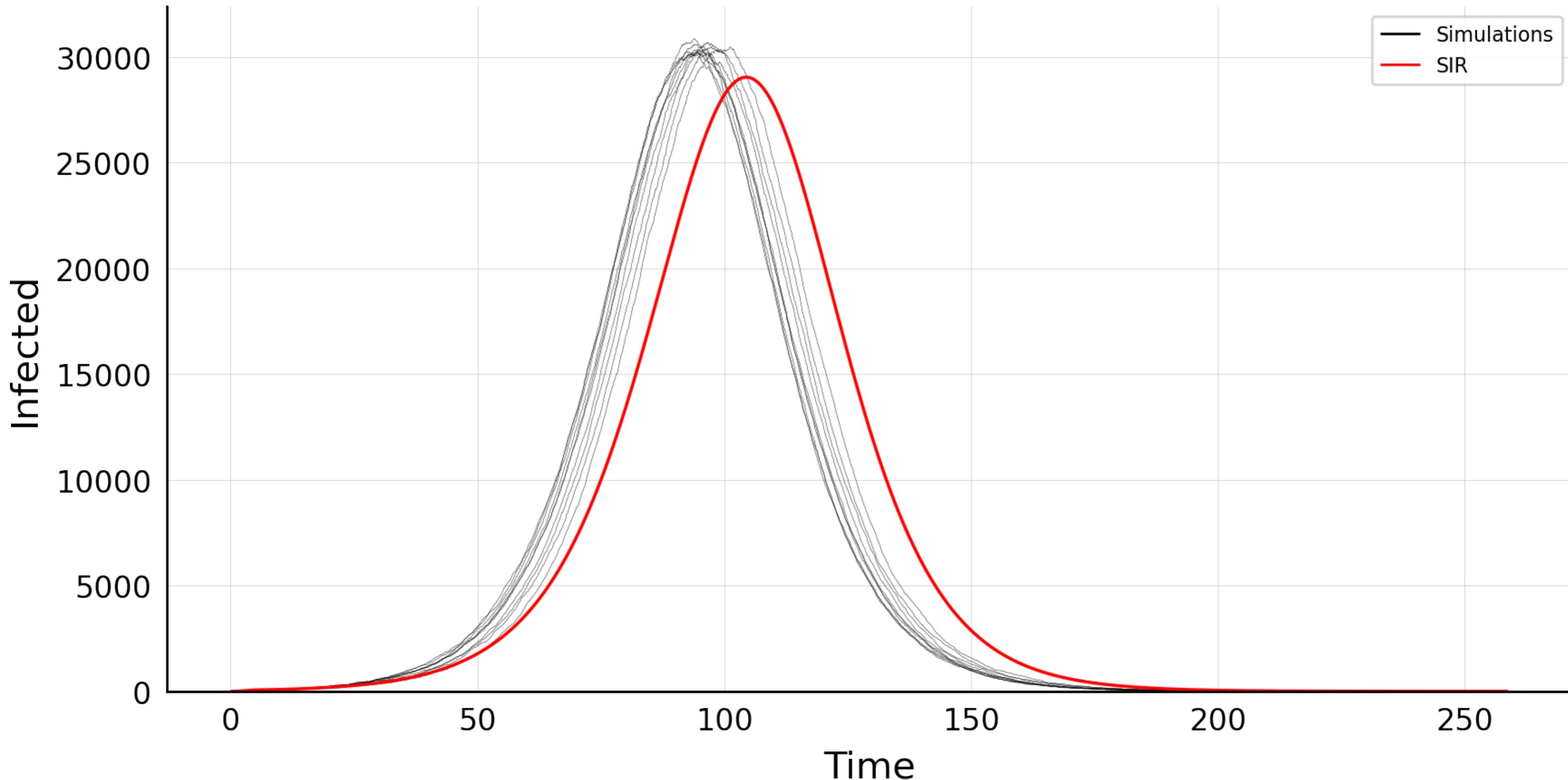
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $N_{\text{ages}} = 1$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, $\rho = 10.0$

$\lambda_E = 1.0$, $\lambda_I = 1.0$, $\epsilon_\rho = 0.01$, $\beta_{\text{scaling}} = 1.0$, $\text{age}_{\text{mixing}} = 1.0$, $\text{algo} = 1$, $\#10$

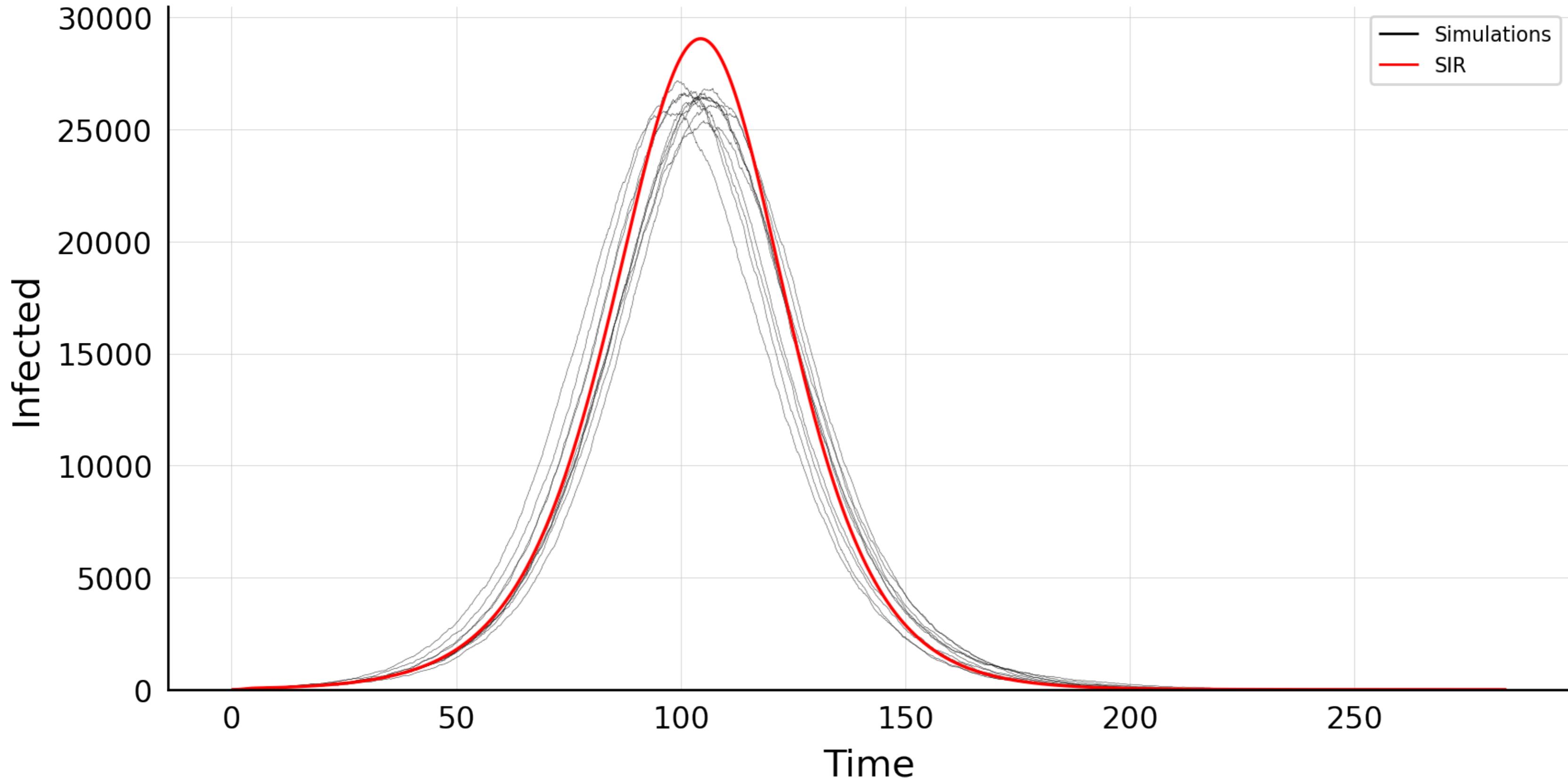


$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $N_{\text{ages}} = 1$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, $\rho = 10.0$

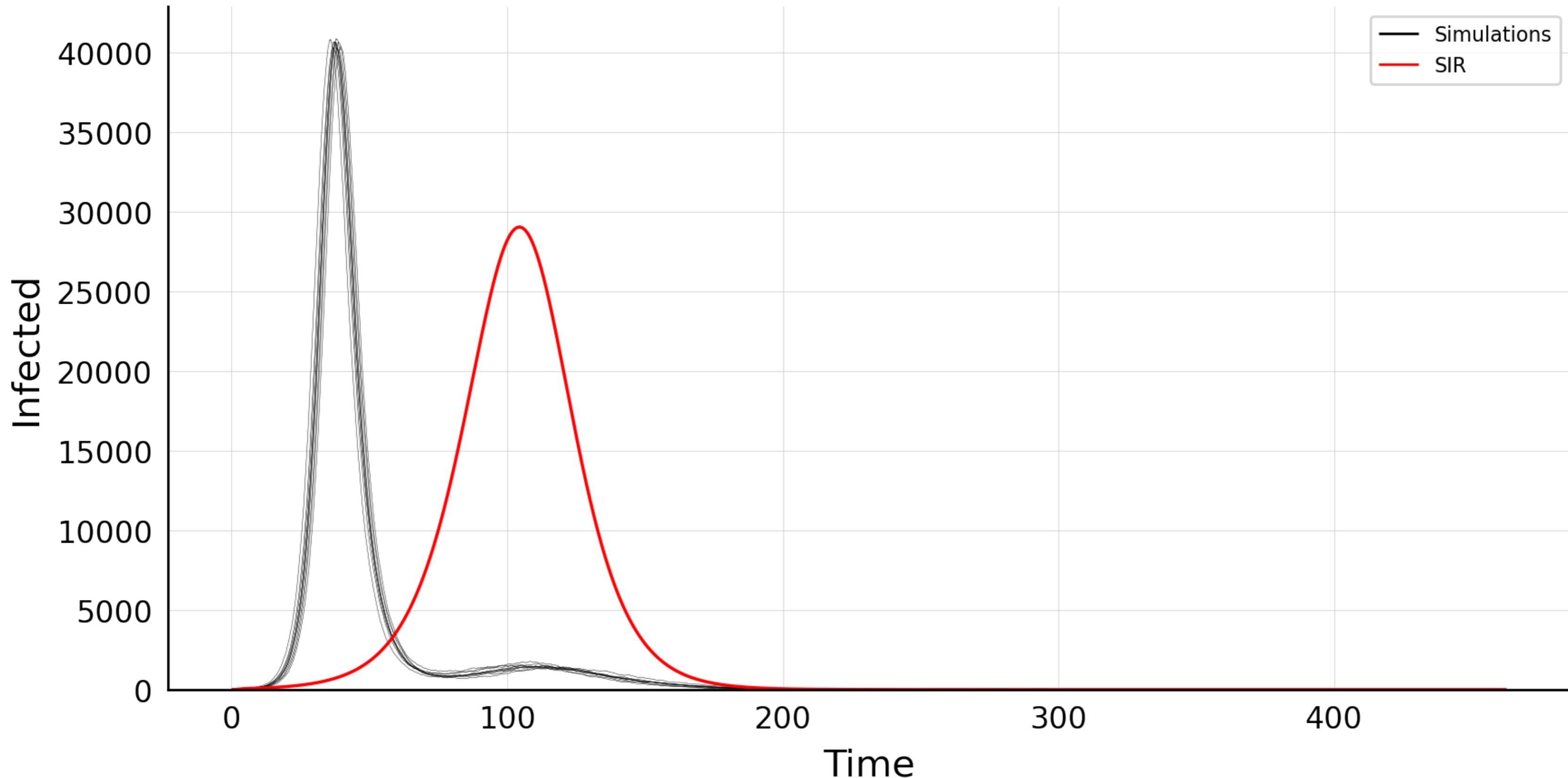
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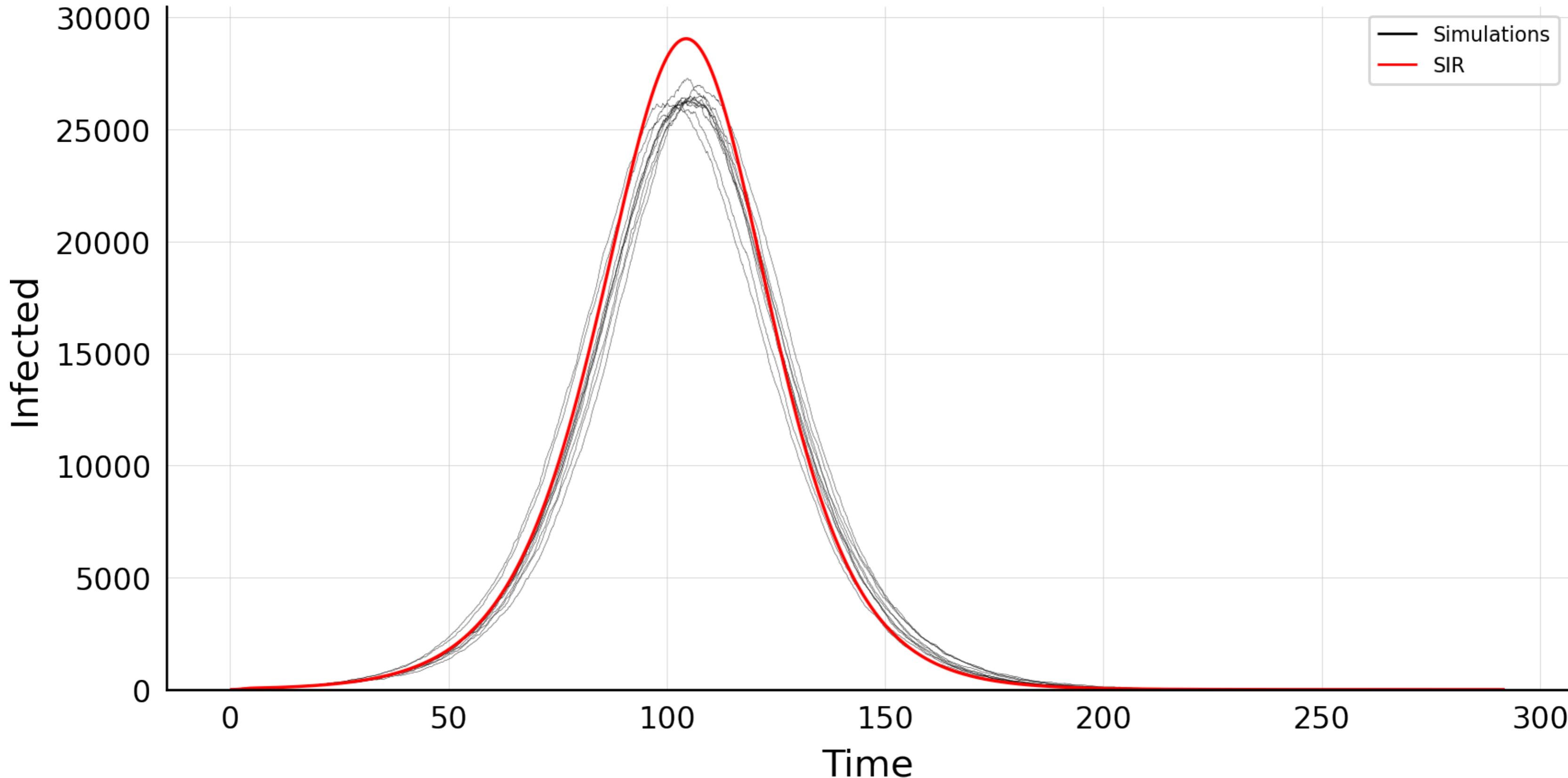
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $N_{\text{ages}} = 1$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, $\rho = 100.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, $\epsilon_\rho = 0.005$, $\beta_{\text{scaling}} = 1.0$, $\text{age}_{\text{mixing}} = 1.0$, $\text{algo} = 1$, $\#10$



$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $N_{\text{ages}} = 1$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, $\rho = 100.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, $\epsilon_\rho = 0.005$, $\beta_{\text{scaling}} = 1.0$, $\text{age}_{\text{mixing}} = 1.0$, $\text{algo} = 2$, #10

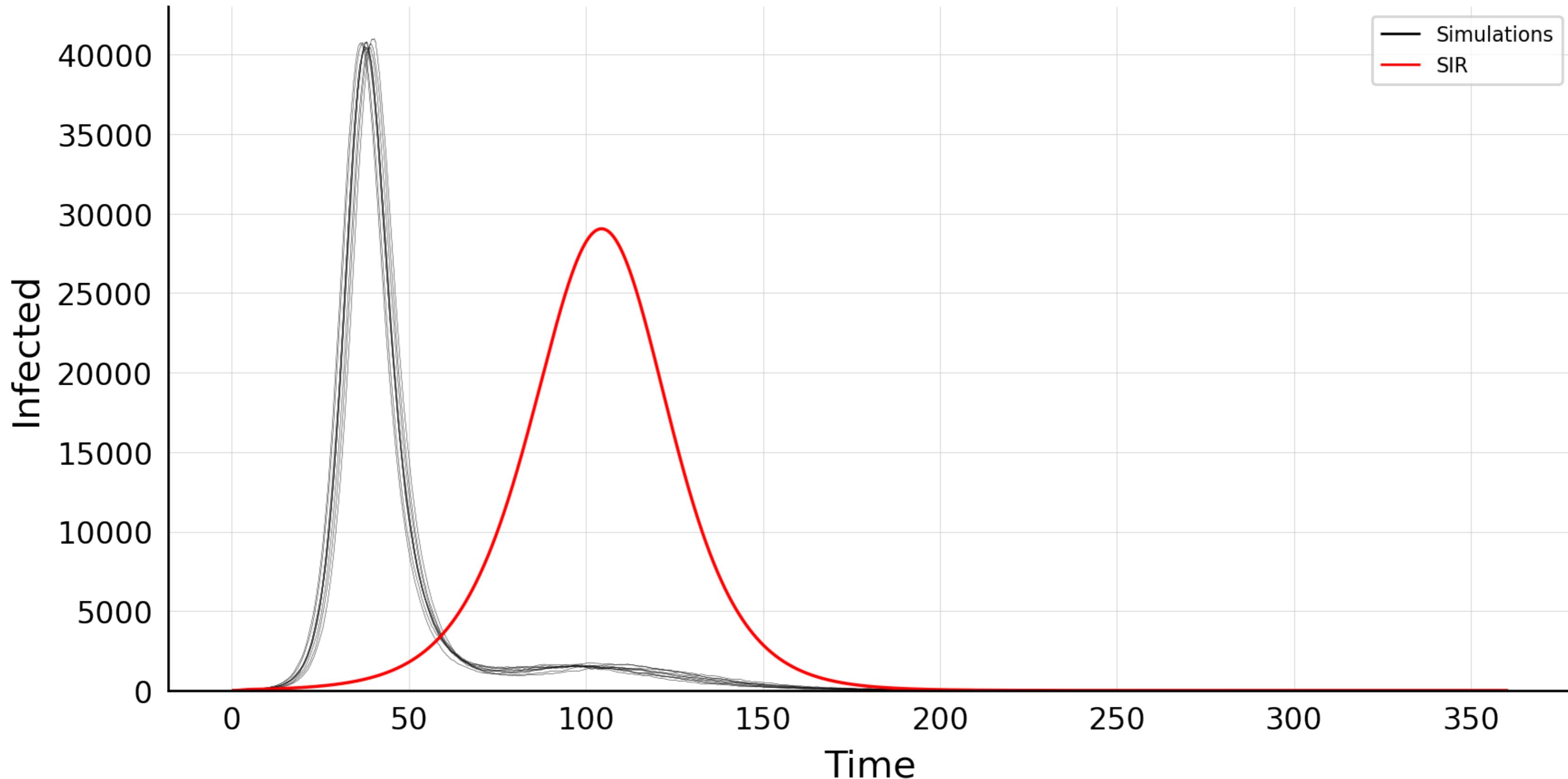


$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $N_{\text{ages}} = 1$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, $\rho = 100.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, $\epsilon_\rho = 0.01$, $\beta_{\text{scaling}} = 1.0$, $\text{age}_{\text{mixing}} = 1.0$, $\text{algo} = 1$, $\#10$



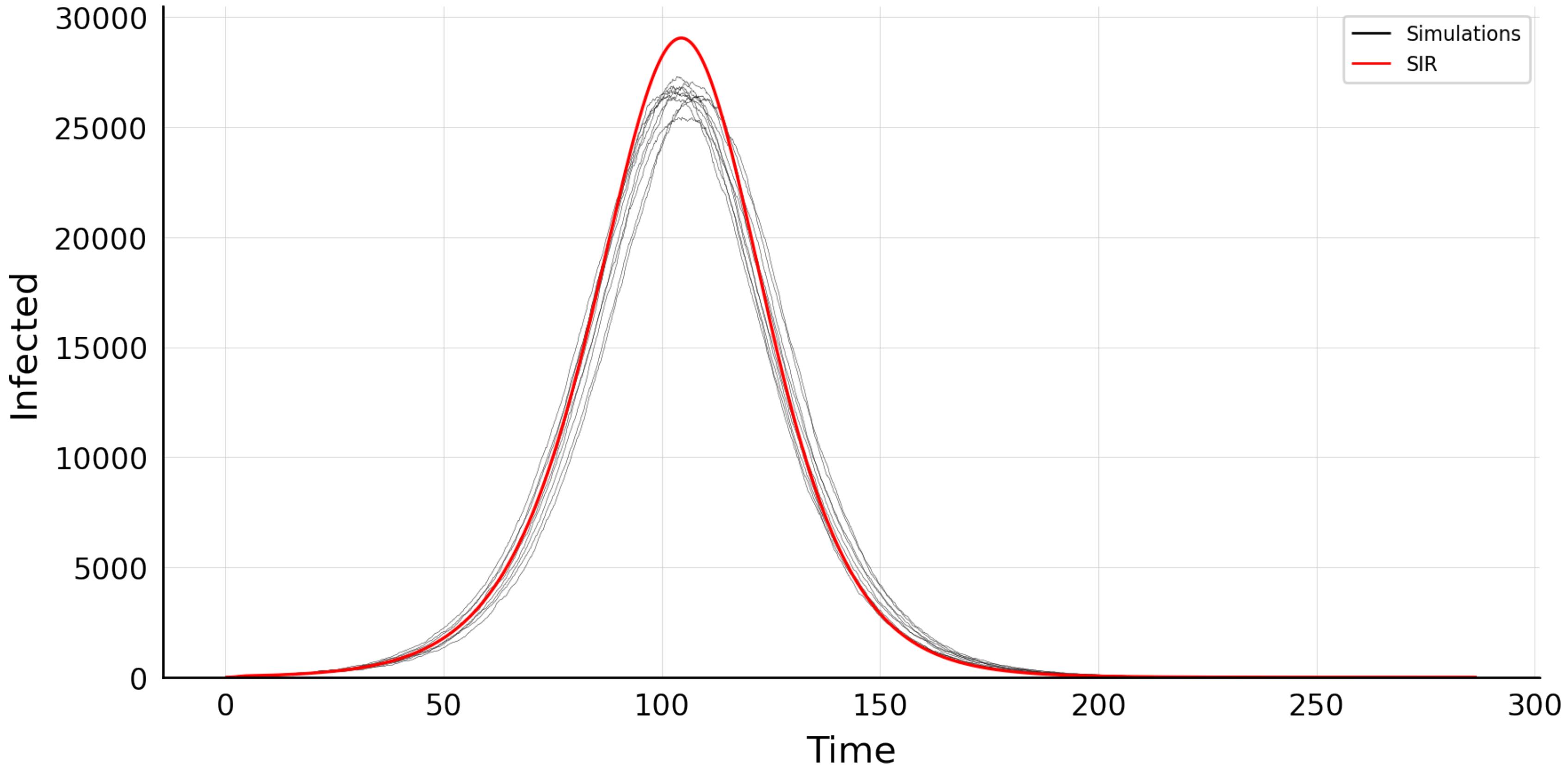
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$\lambda_E = 1.0$, $\lambda_I = 1.0$, $\epsilon_\rho = 0.01$, $\beta_{\text{scaling}} = 1.0$, $\text{age}_{\text{mixing}} = 1.0$, $\text{algo} = 2$, #10

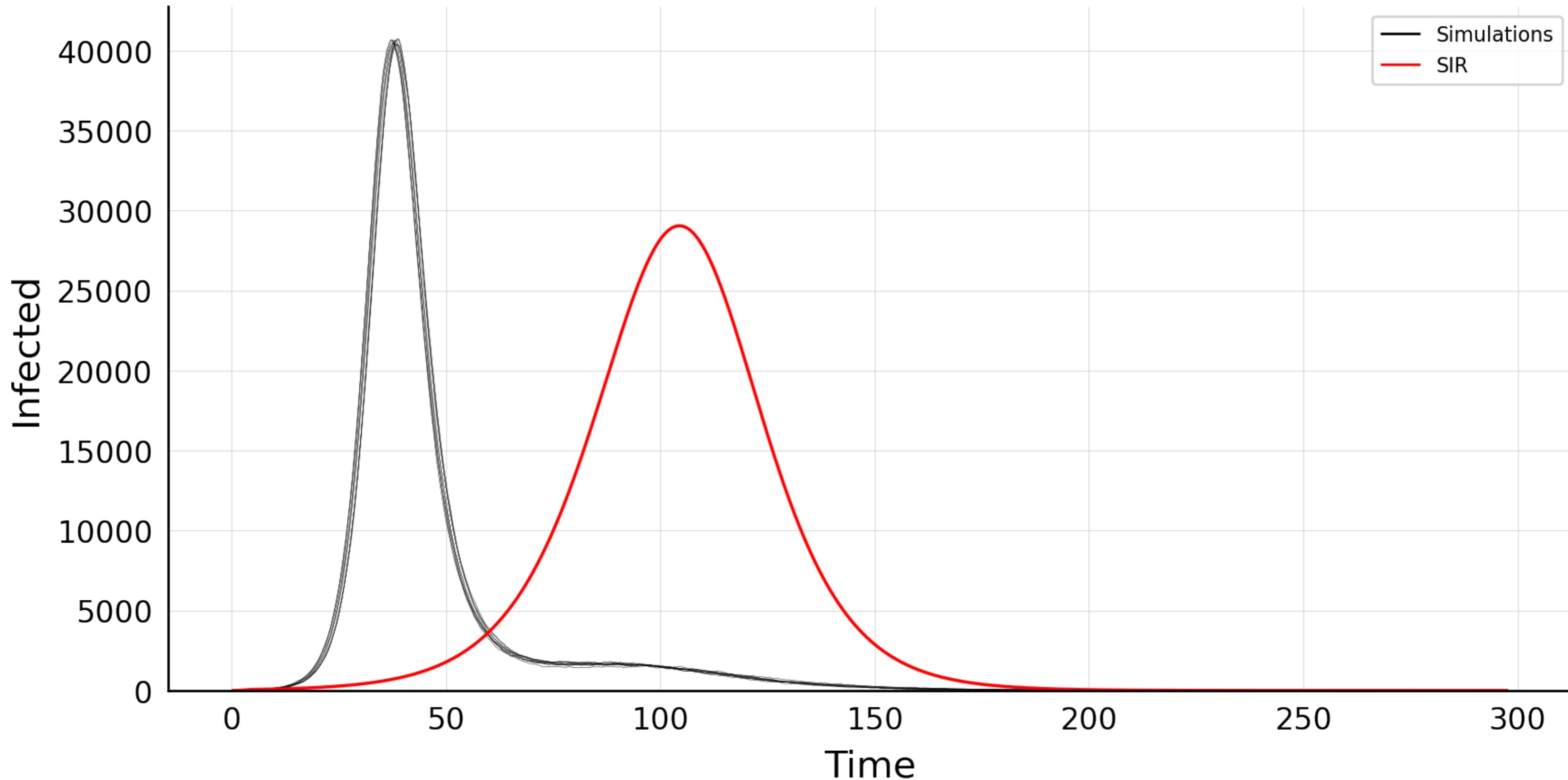


$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $N_{\text{ages}} = 1$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, $\rho = 100.0$

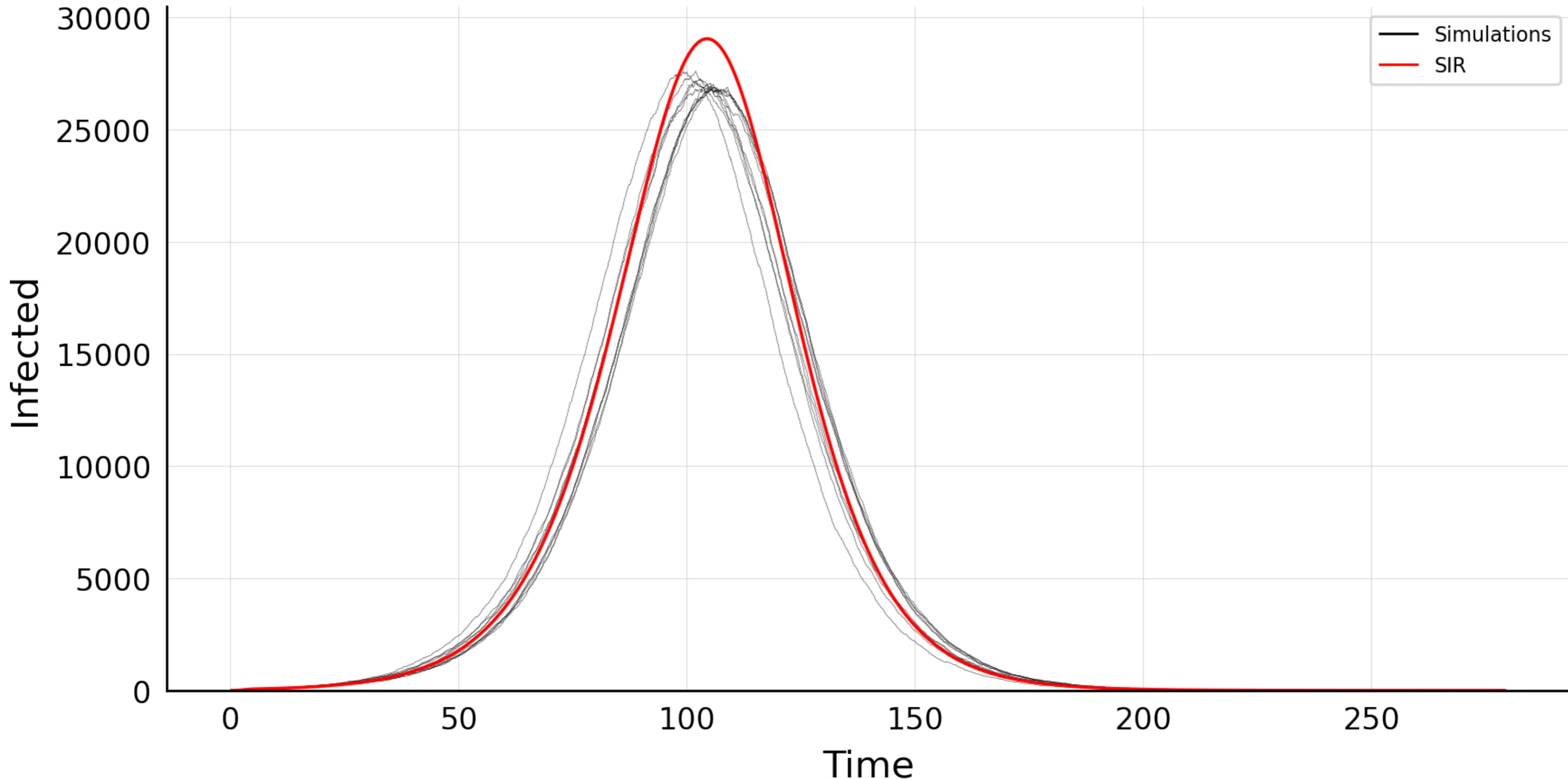
$\lambda_E = 1.0$, $\lambda_I = 1.0$, $\epsilon_\rho = 0.02$, $\beta_{\text{scaling}} = 1.0$, $\text{age}_{\text{mixing}} = 1.0$, $\text{algo} = 1$, $\#10$



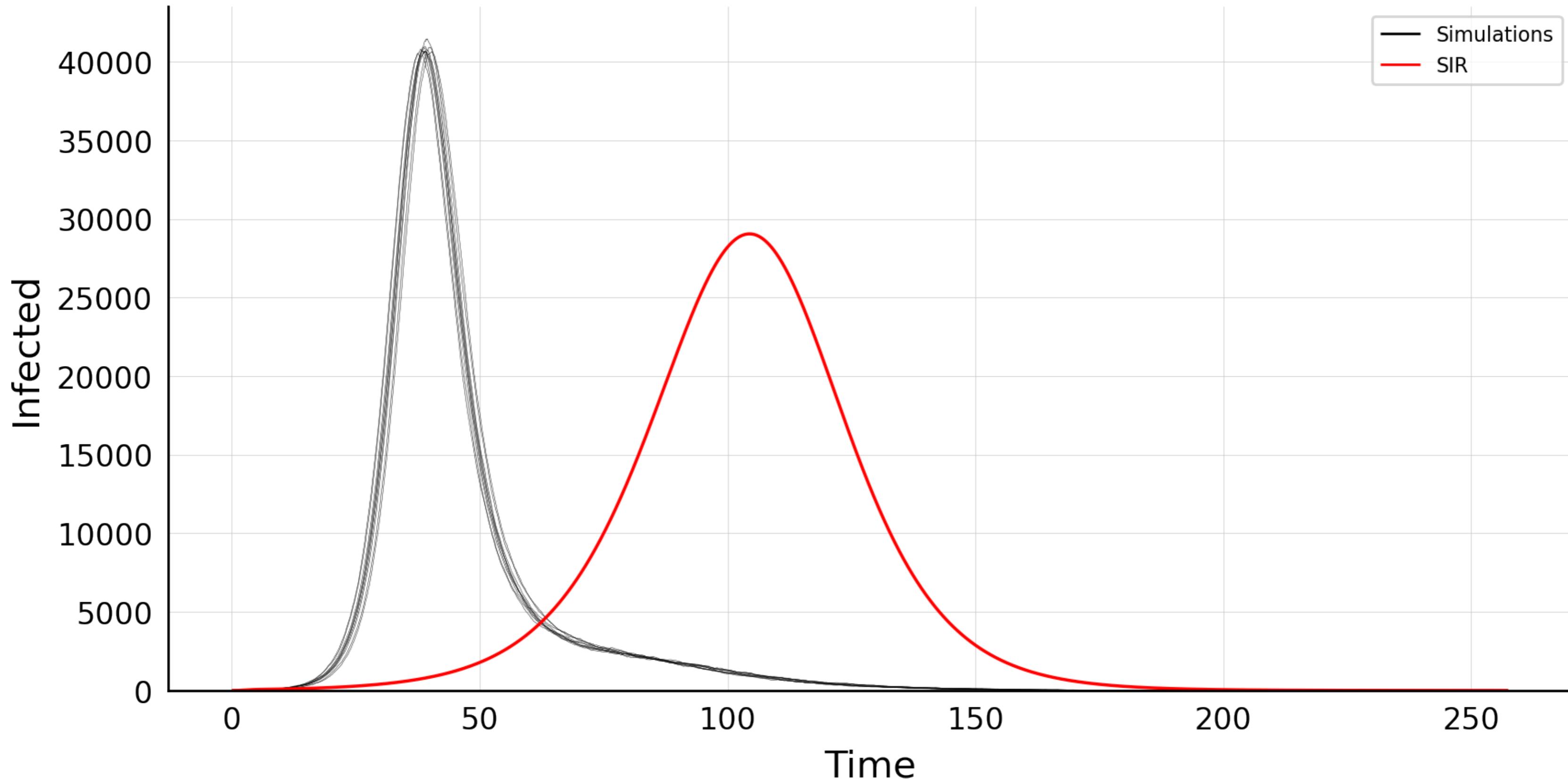
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $N_{\text{ages}} = 1$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, $\rho = 100.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, $\epsilon_\rho = 0.02$, $\beta_{\text{scaling}} = 1.0$, $\text{age}_{\text{mixing}} = 1.0$, $\text{algo} = 2$, #10



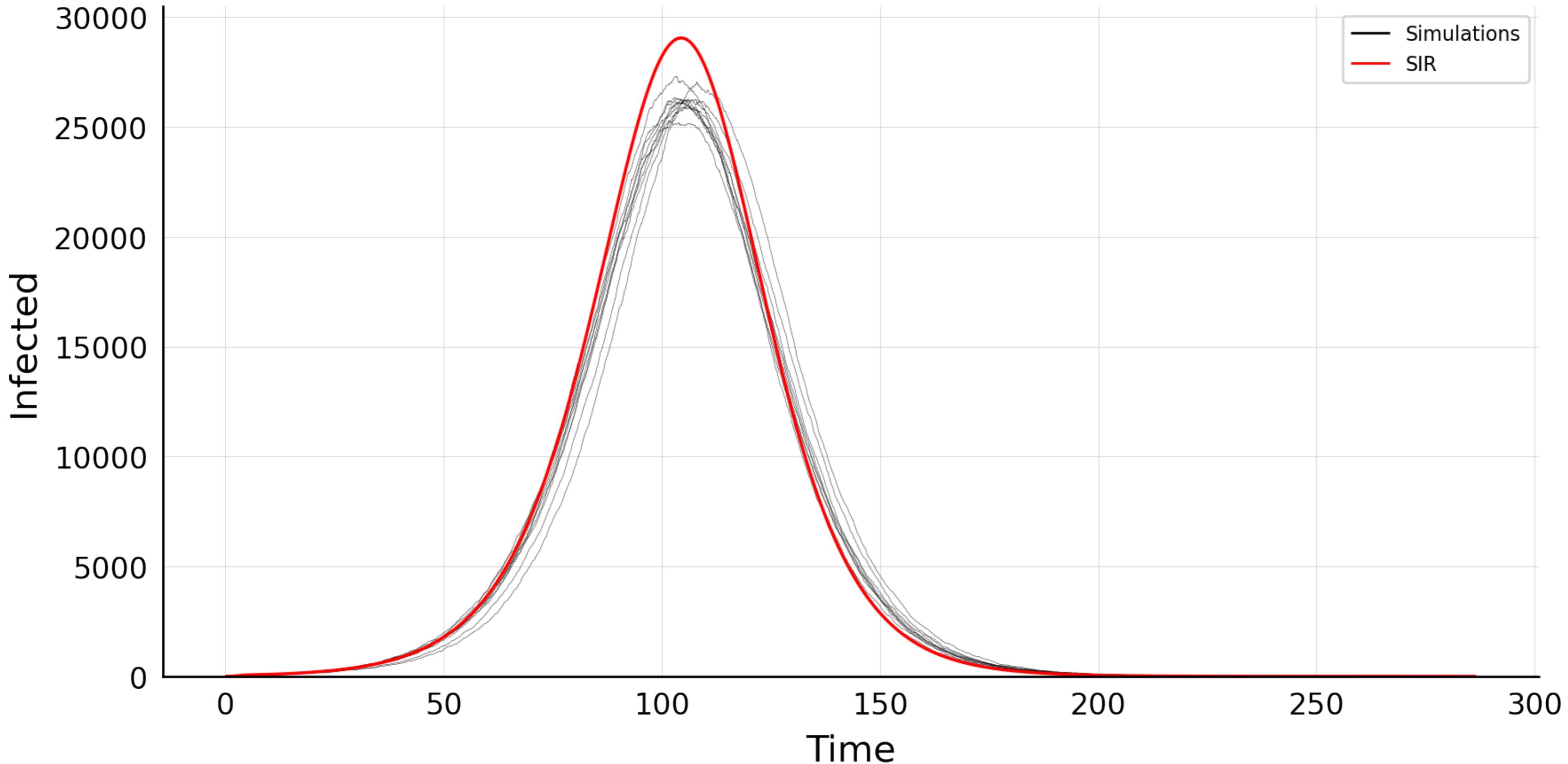
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 $\lambda_E = 1.0$, $\lambda_I = 1.0$, $\epsilon_\rho = 0.05$, $\beta_{\text{scaling}} = 1.0$, $\text{age}_{\text{mixing}} = 1.0$, $\text{algo} = 1$, $\#10$



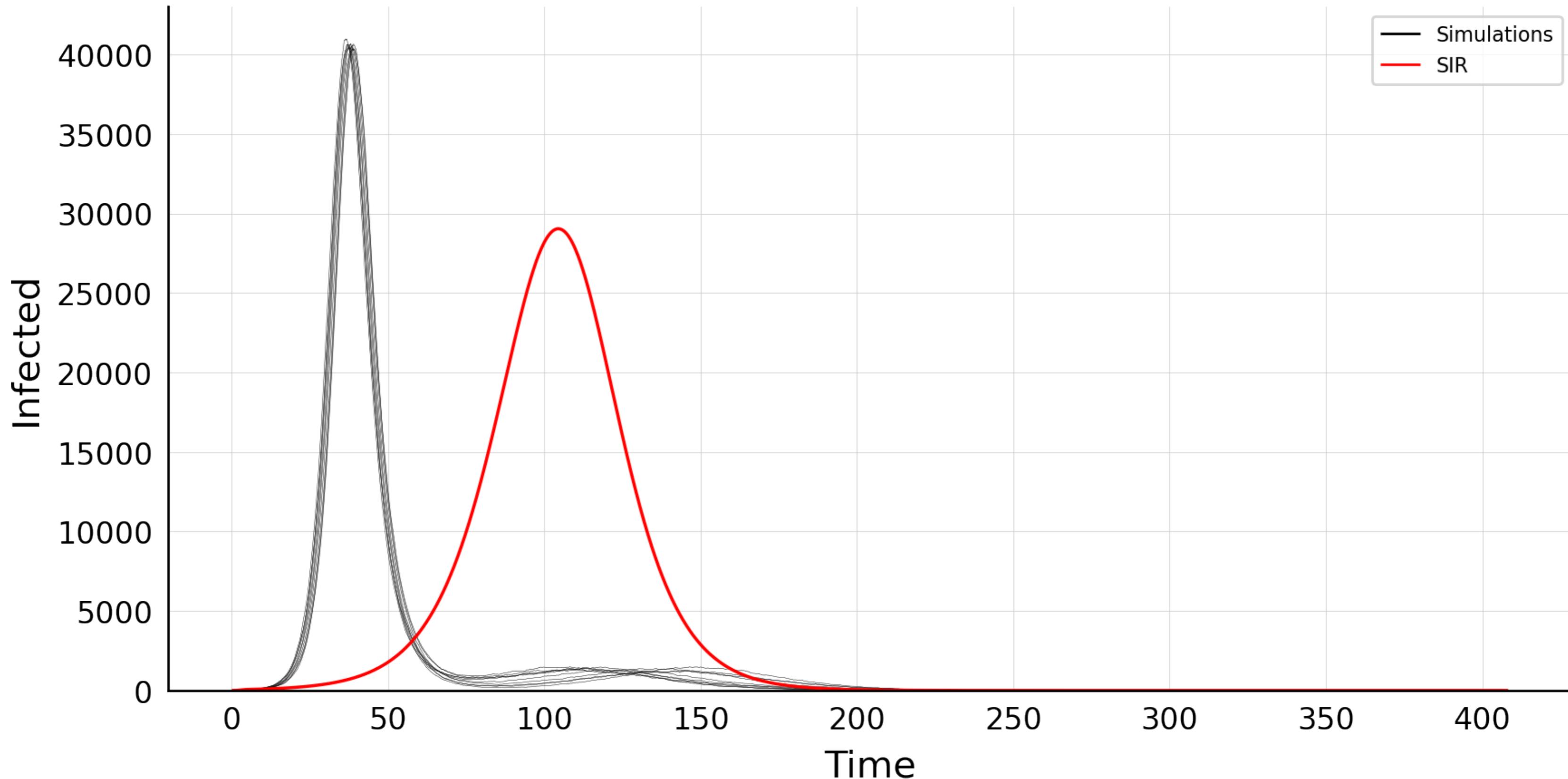
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 $\lambda_E = 1.0$, $\lambda_I = 1.0$, $\epsilon_\rho = 0.05$, $\beta_{\text{scaling}} = 1.0$, $\text{age}_{\text{mixing}} = 1.0$, $\text{algo} = 2$, #10



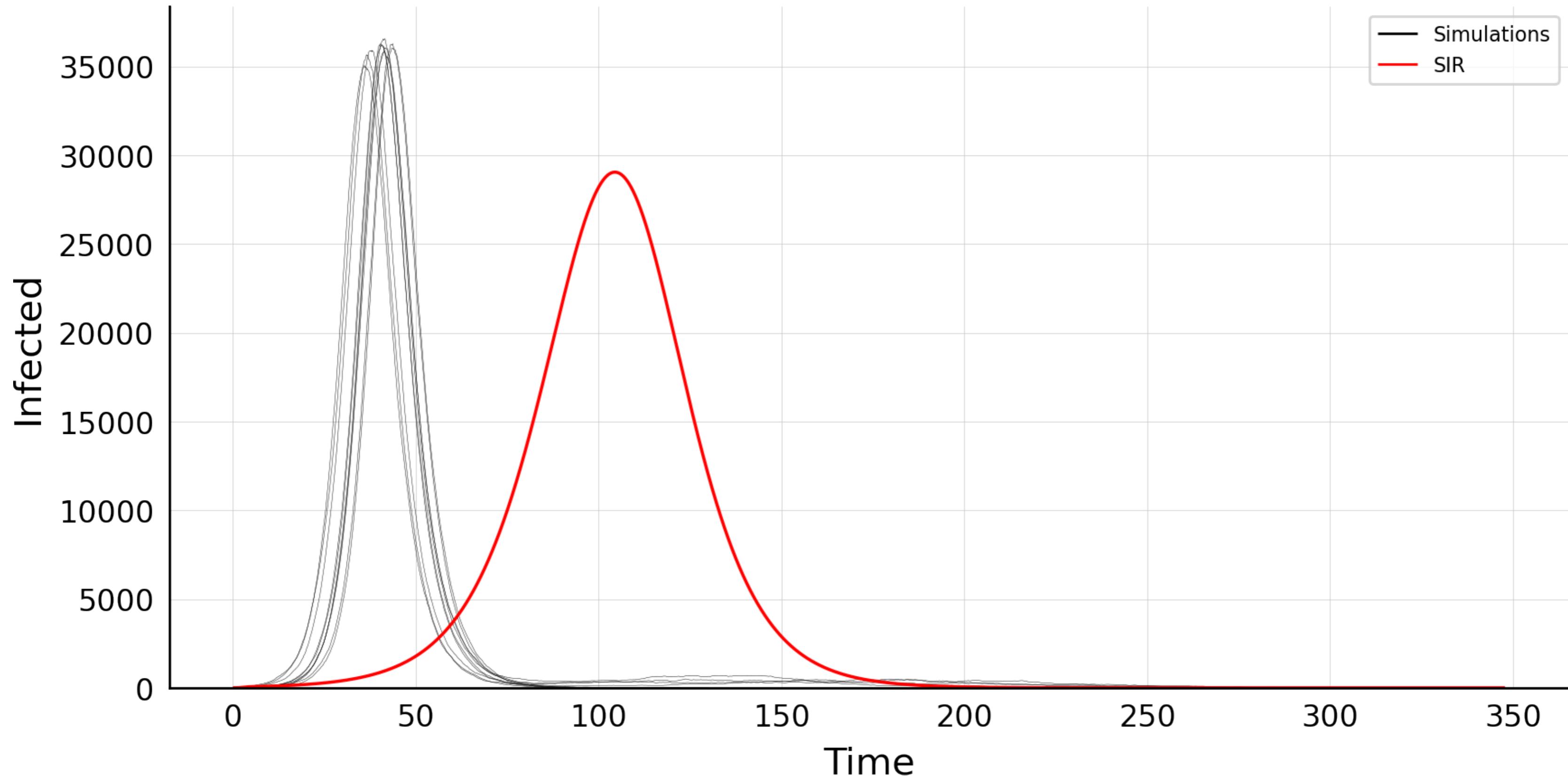
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 $\lambda_E = 1.0$, $\lambda_I = 1.0$, $\epsilon_\rho = 0.0$, $\beta_{\text{scaling}} = 1.0$, $\text{age}_{\text{mixing}} = 1.0$, $\text{algo} = 1$, $\#10$



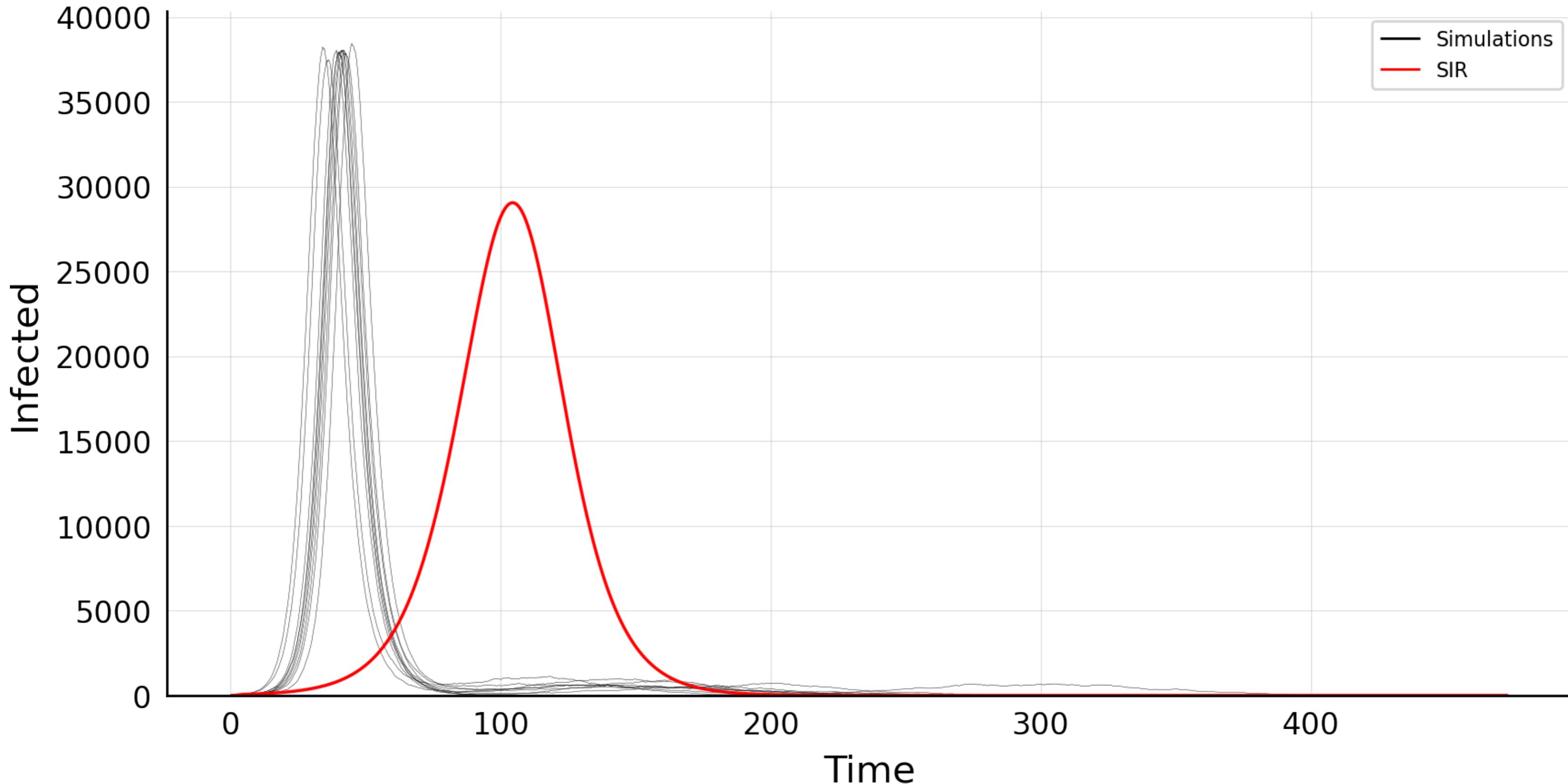
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 $\lambda_E = 1.0$, $\lambda_I = 1.0$, $\epsilon_\rho = 0.0$, $\beta_{\text{scaling}} = 1.0$, $\text{age}_{\text{mixing}} = 1.0$, $\text{algo} = 2$, #10



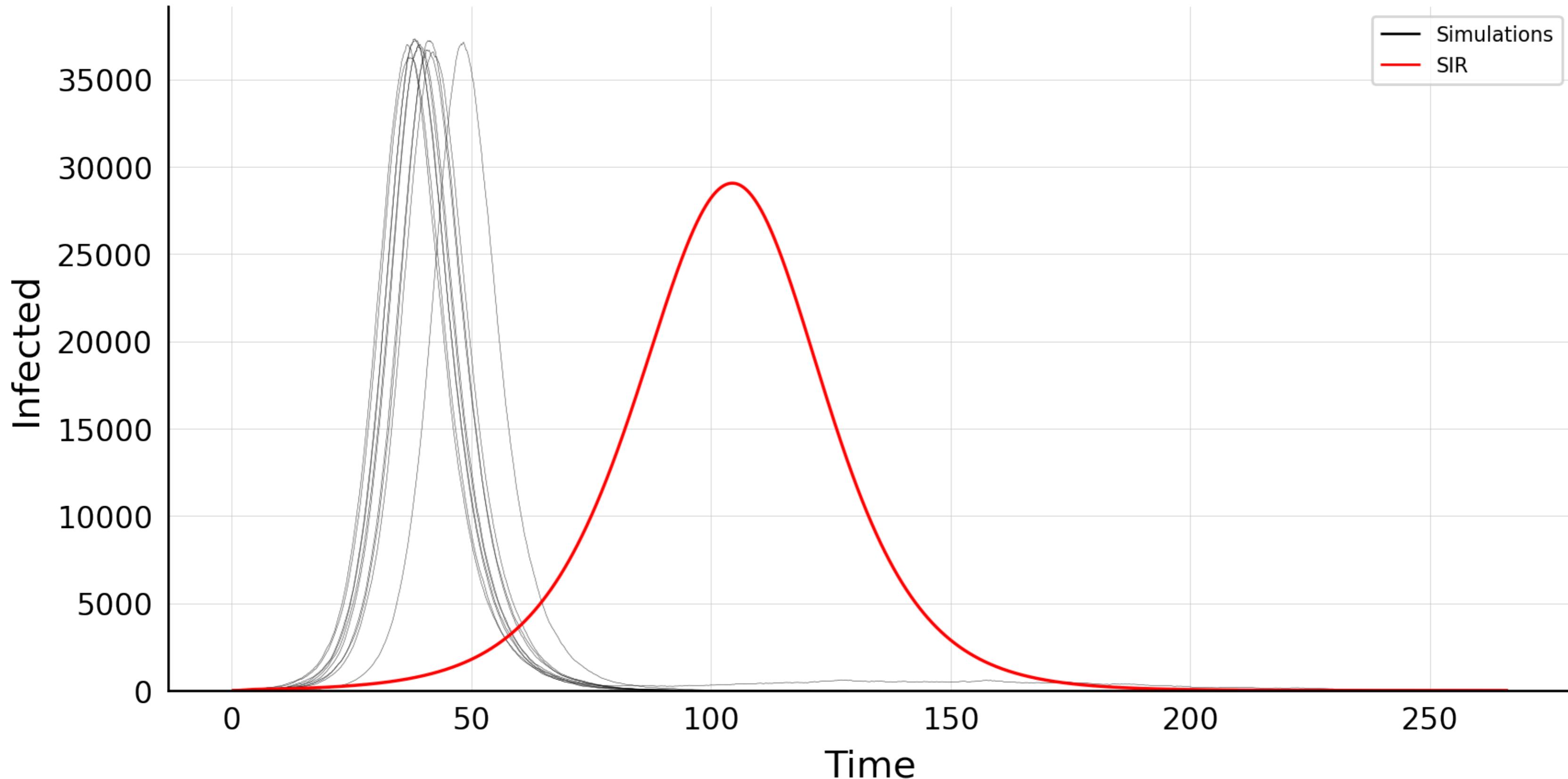
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 $\lambda_E = 1.0$, $\lambda_I = 1.0$, $\epsilon_\rho = 0.0$, $\beta_{\text{scaling}} = 100.0$, $\text{age}_{\text{mixing}} = 1.0$, $\text{algo} = 2$, #10



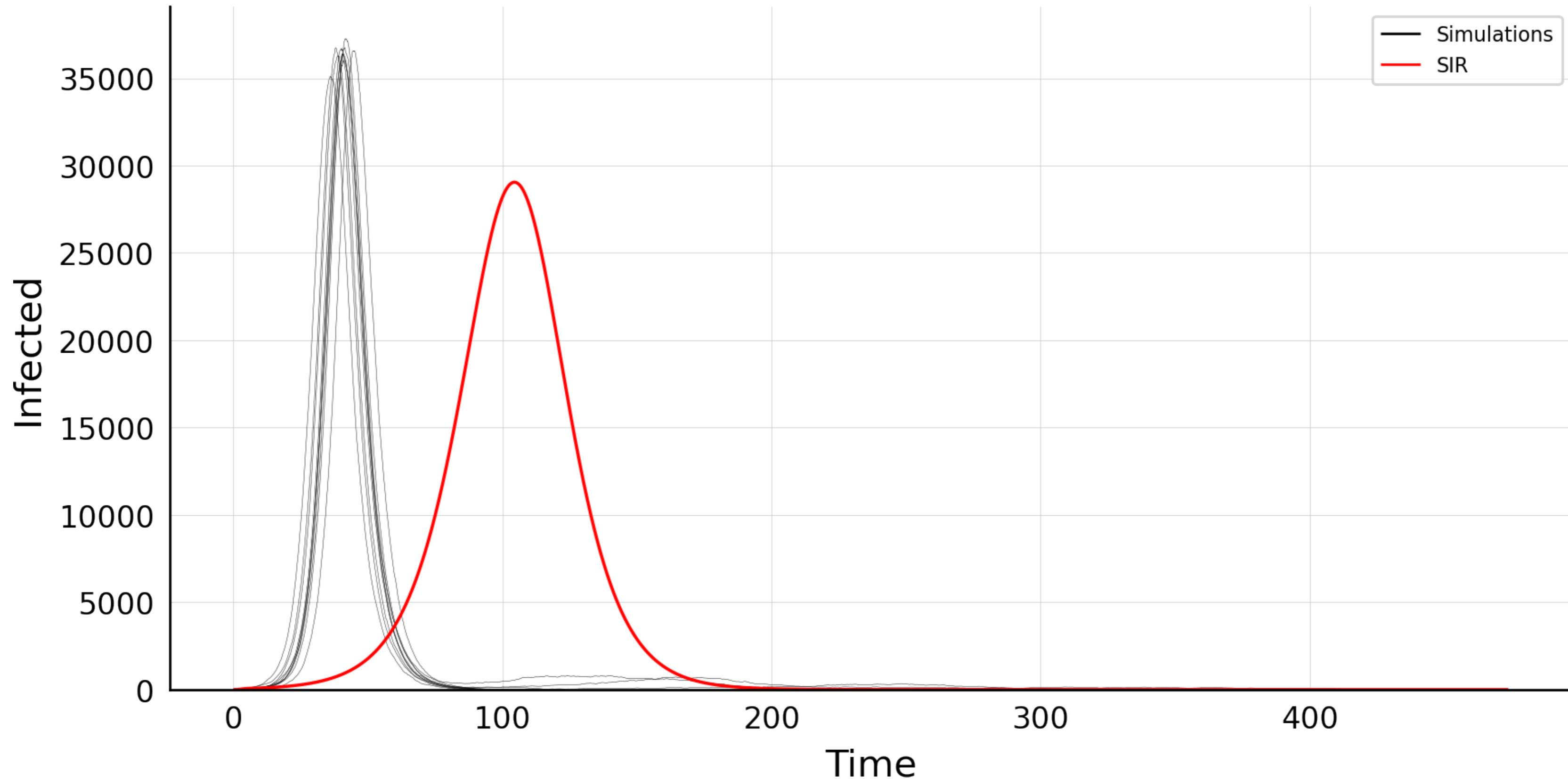
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 $\lambda_E = 1.0$, $\lambda_I = 1.0$, $\epsilon_\rho = 0.0$, $\beta_{\text{scaling}} = 25.0$, $\text{age}_{\text{mixing}} = 1.0$, $\text{algo} = 2$, #10



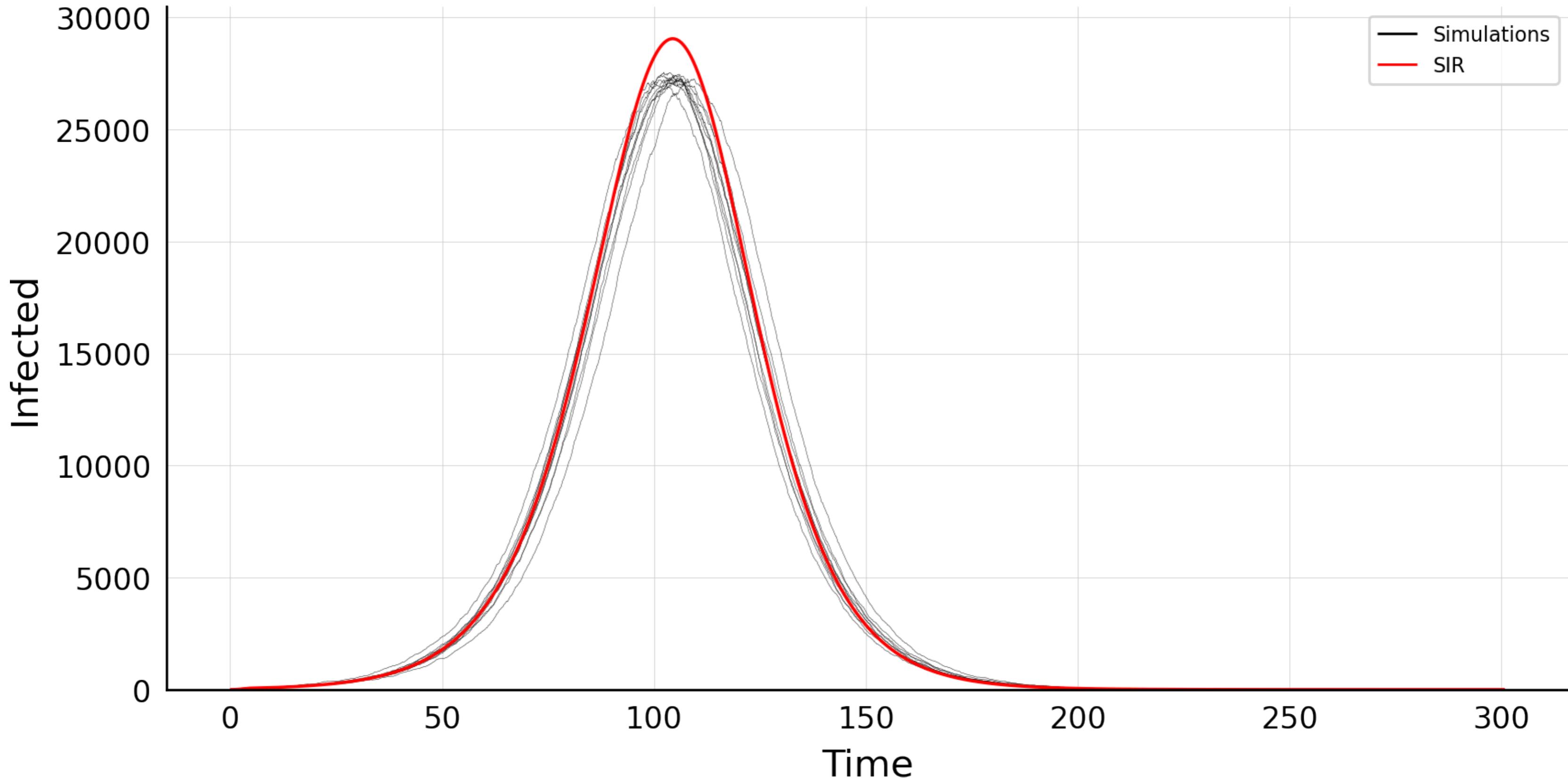
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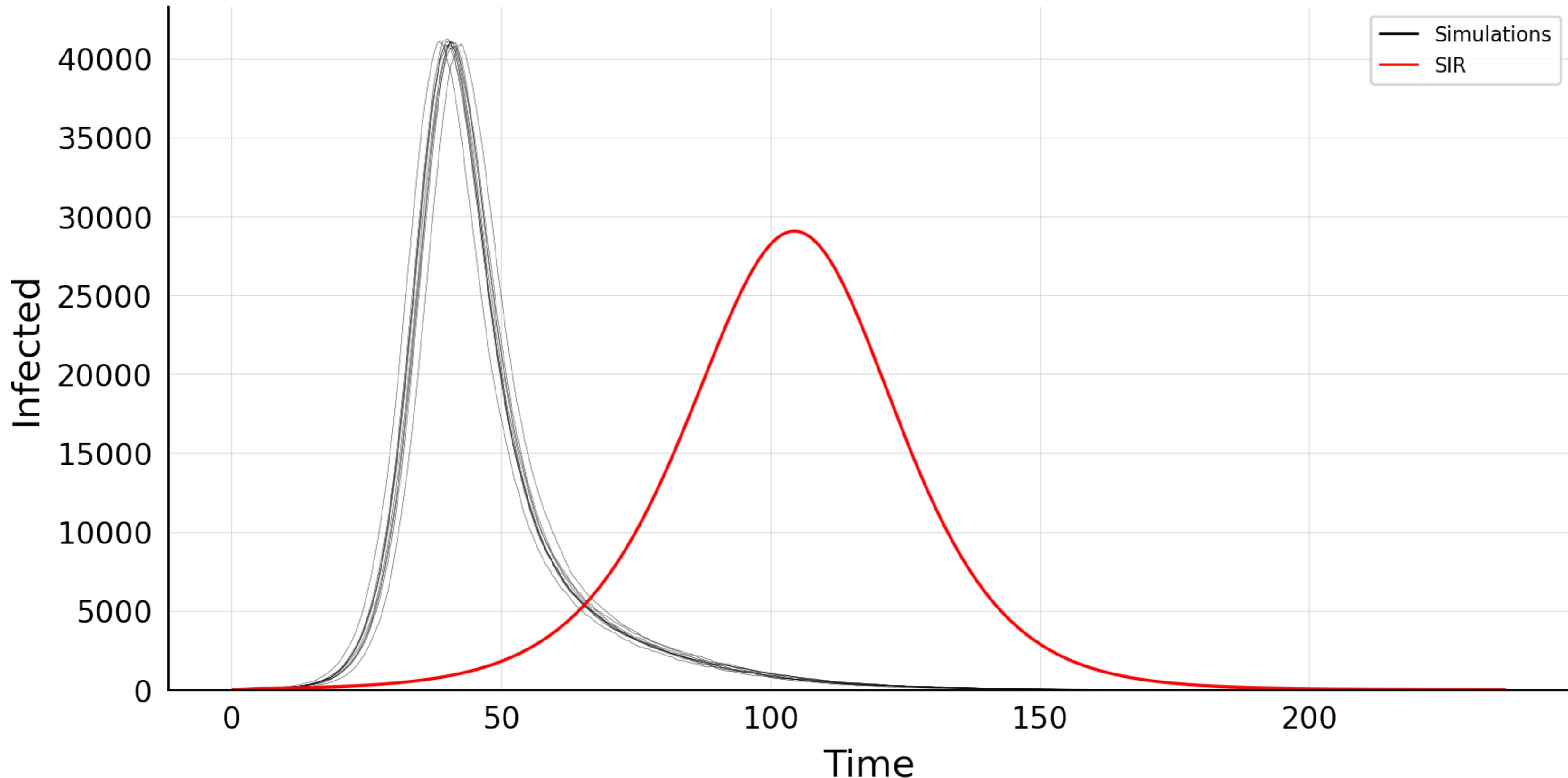
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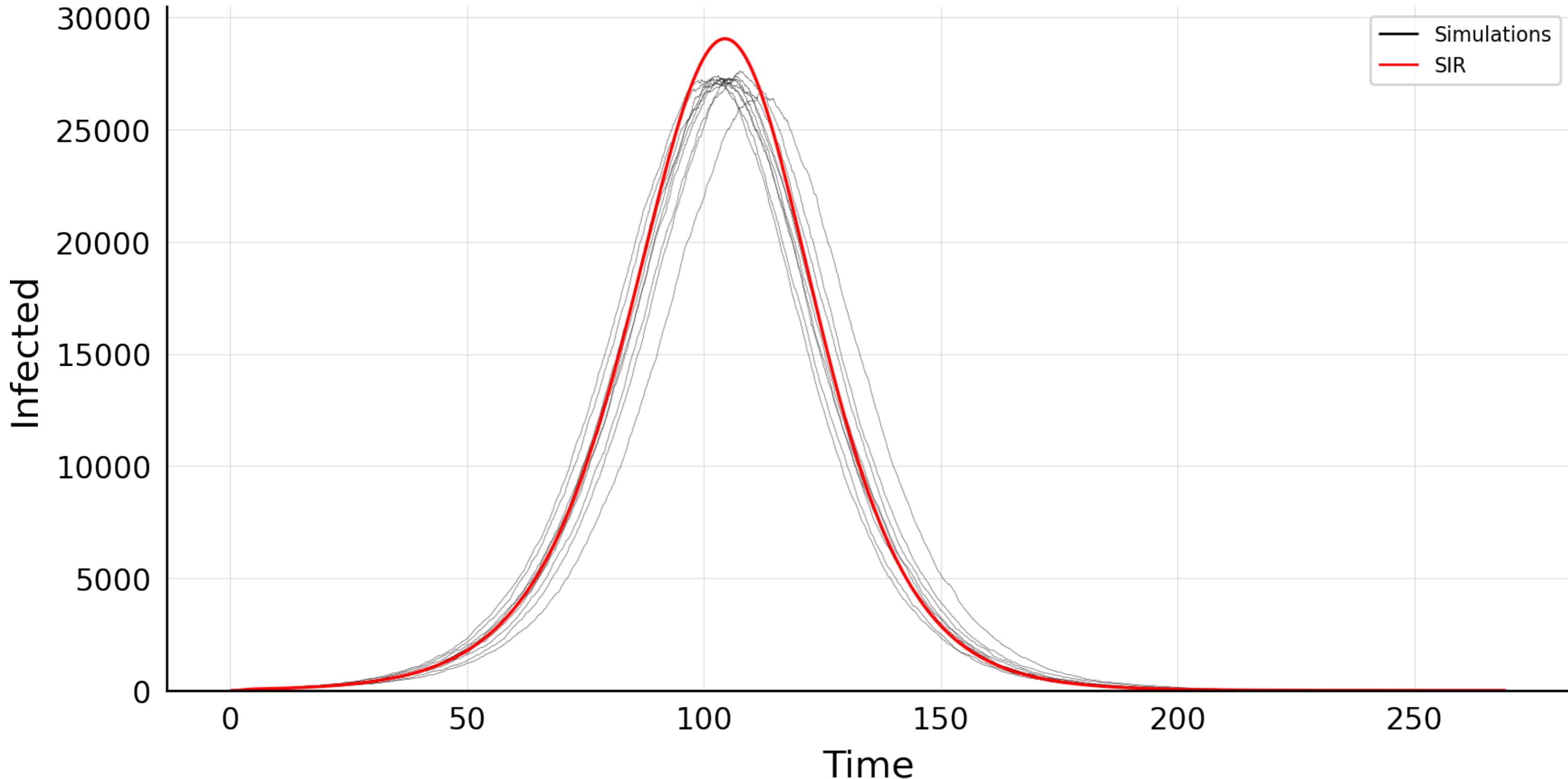
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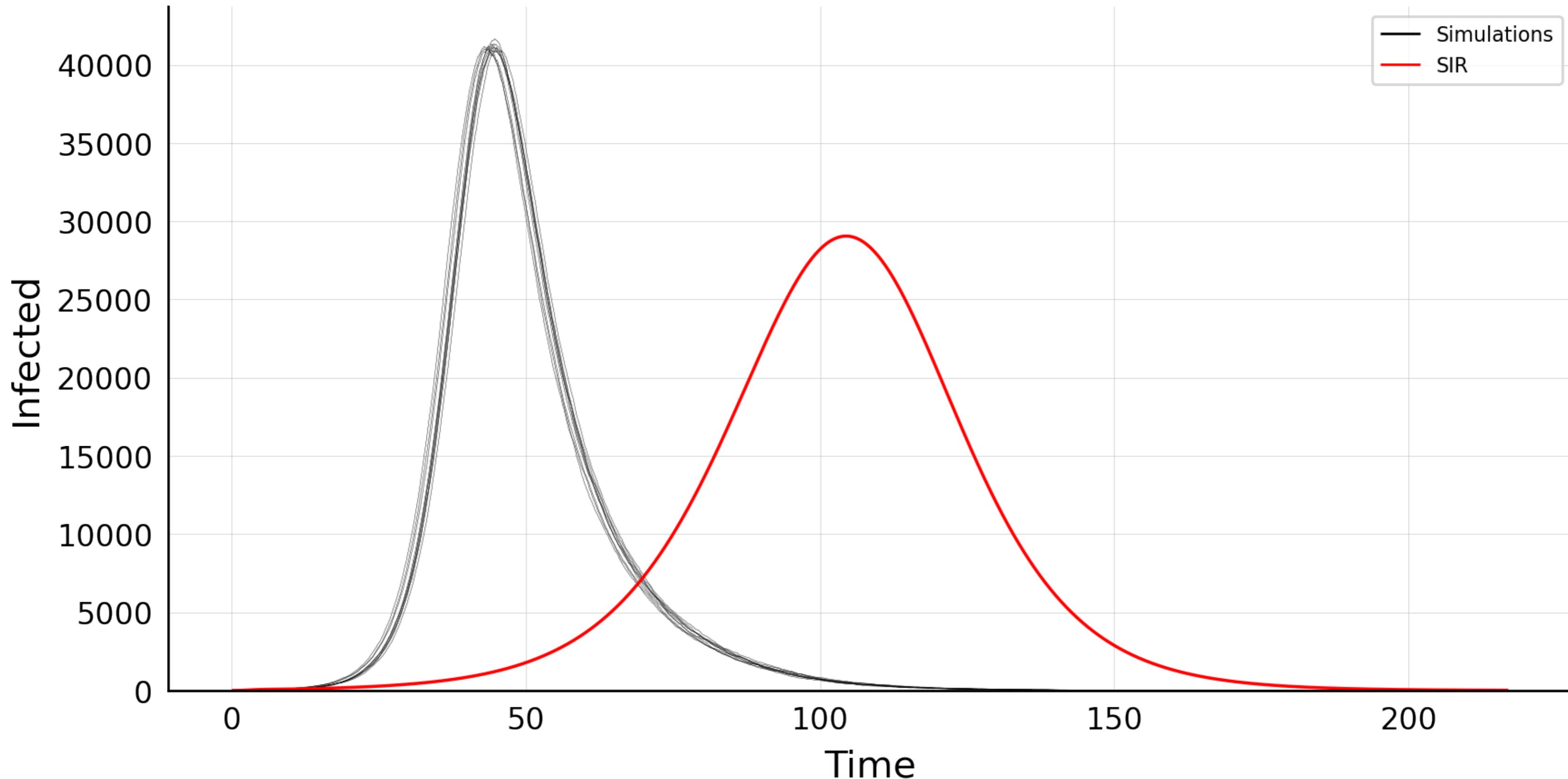
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 $\lambda_E = 1.0$, $\lambda_I = 1.0$, $\epsilon_\rho = 0.1$, $\beta_{\text{scaling}} = 1.0$, $\text{age}_{\text{mixing}} = 1.0$, $\text{algo} = 2$, #10



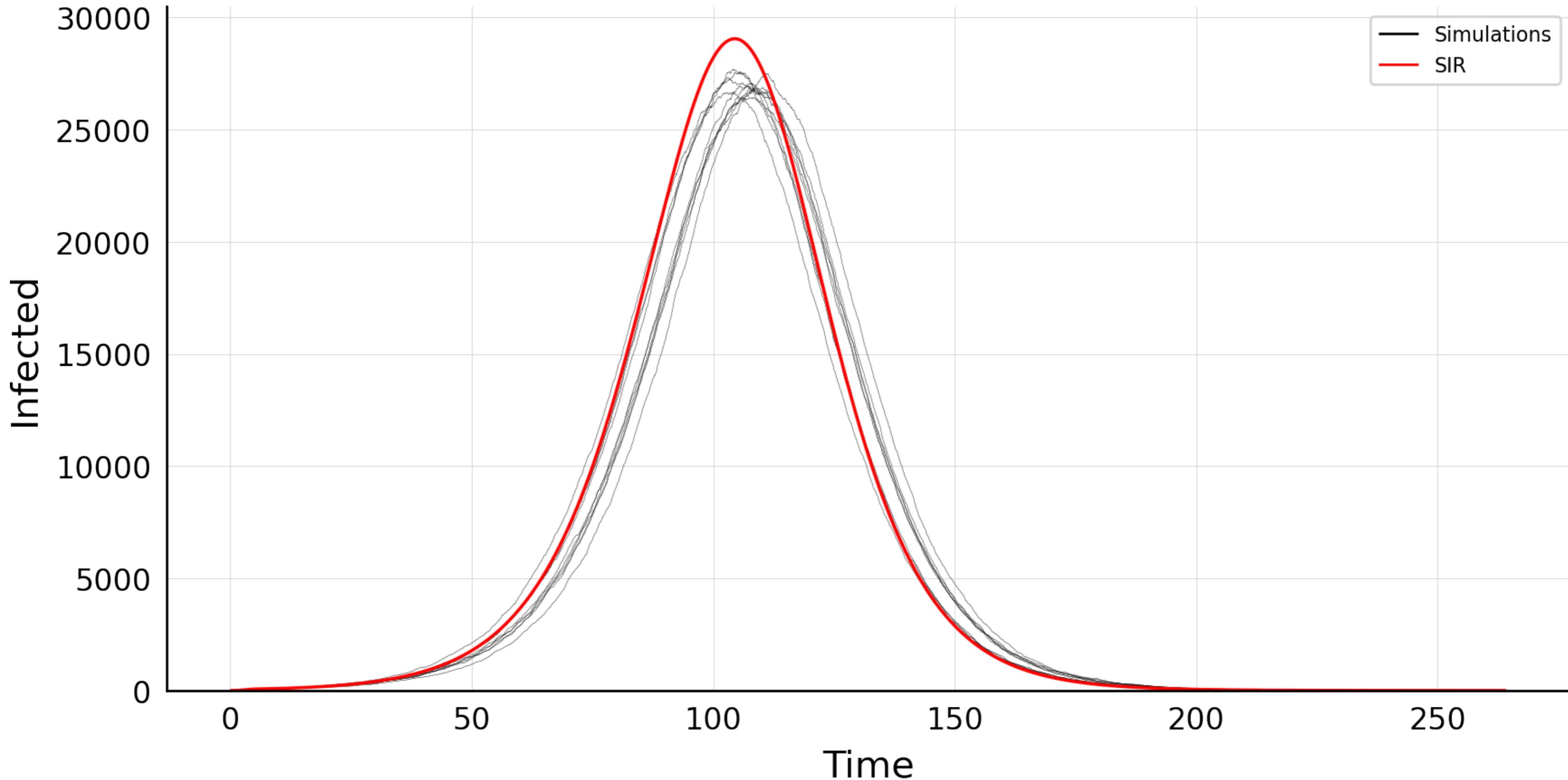
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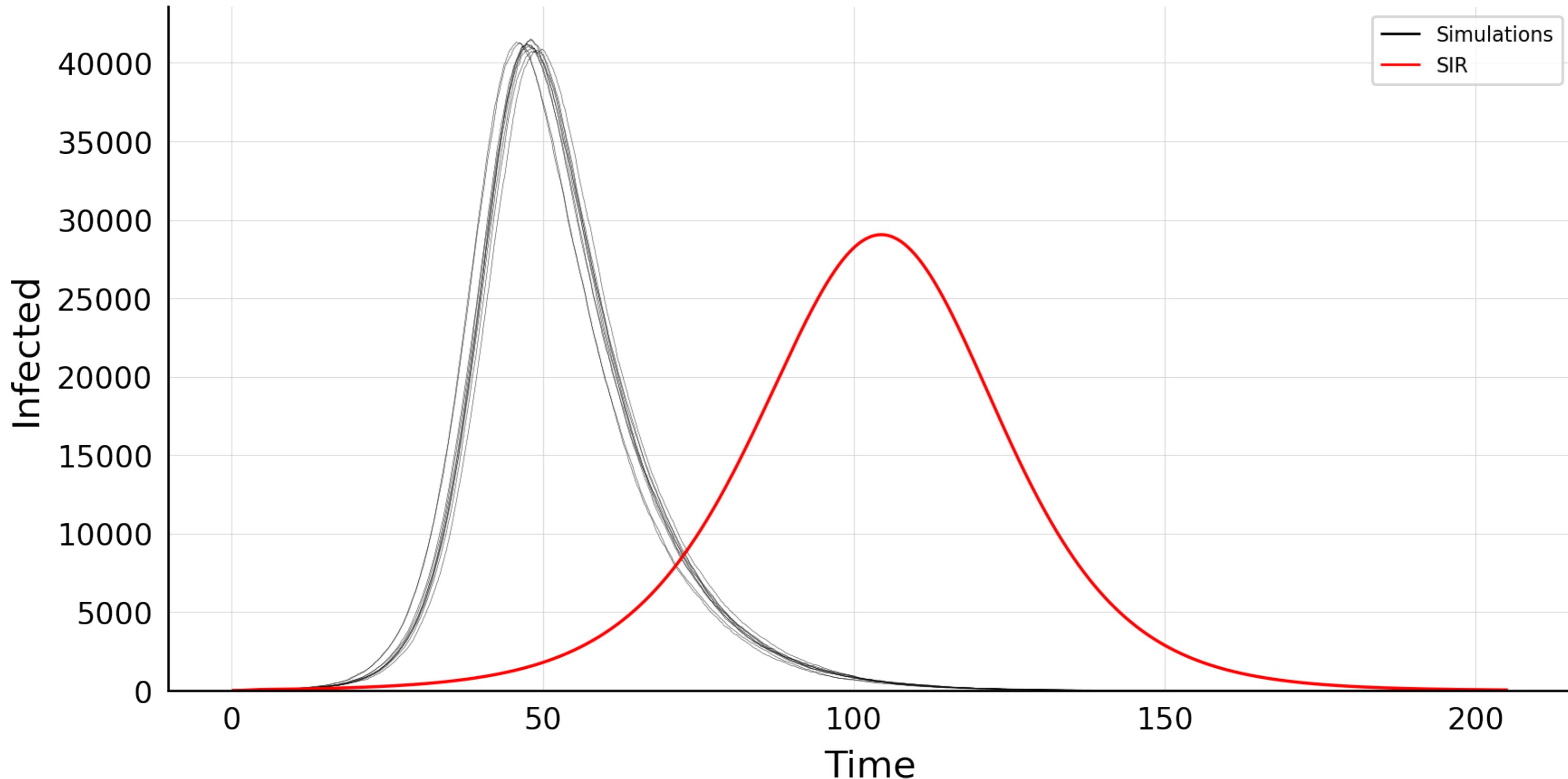
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 $\lambda_E = 1.0$, $\lambda_I = 1.0$, $\epsilon_\rho = 0.2$, $\beta_{\text{scaling}} = 1.0$, $\text{age}_{\text{mixing}} = 1.0$, $\text{algo} = 2$, $\#10$



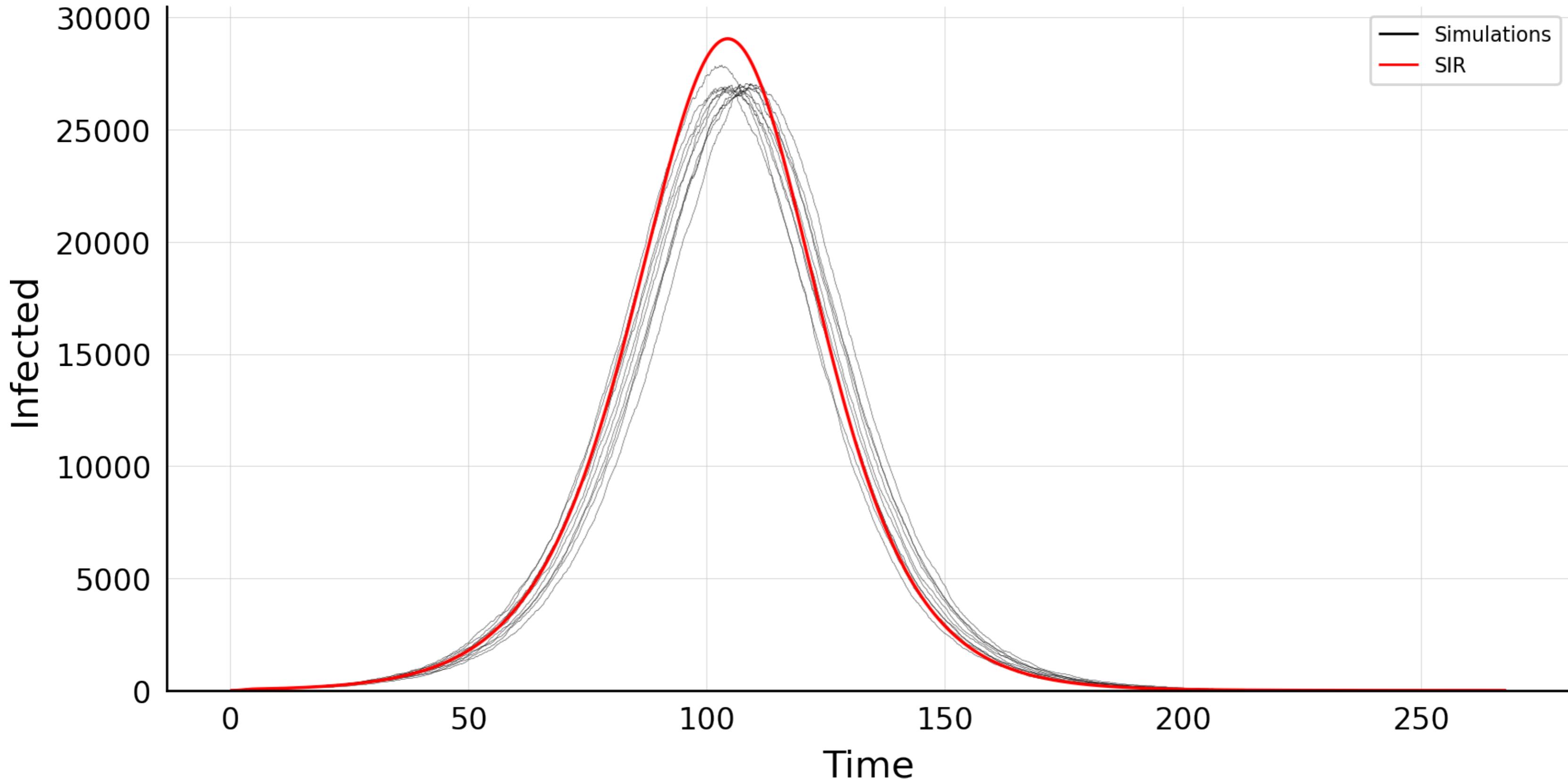
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$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $N_{\text{ages}} = 1$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, $\rho = 100.0$
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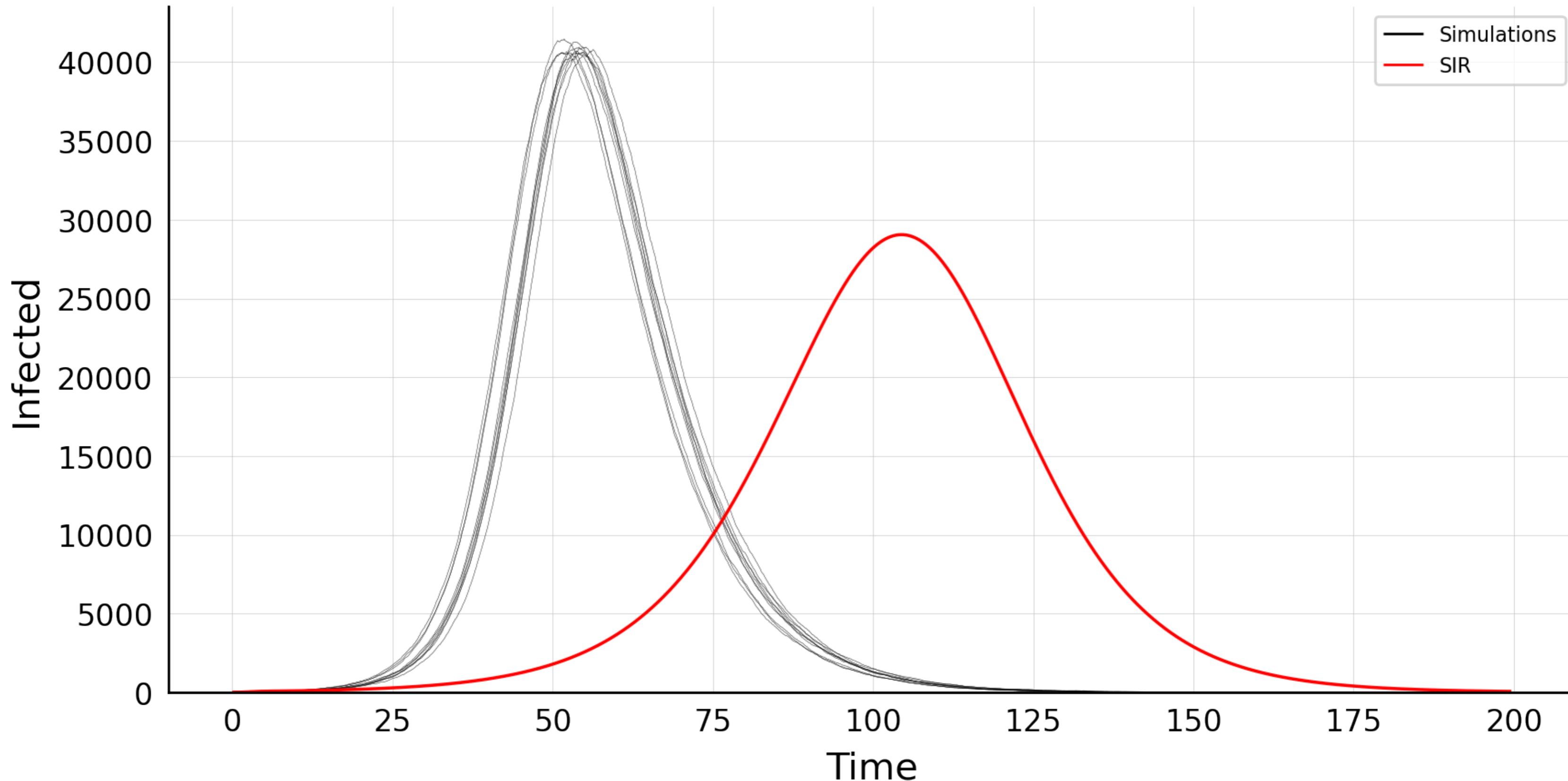


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 $\lambda_E = 1.0$, $\lambda_I = 1.0$, $\epsilon_\rho = 0.4$, $\beta_{\text{scaling}} = 1.0$, $\text{age}_{\text{mixing}} = 1.0$, $\text{algo} = 1$, $\#10$

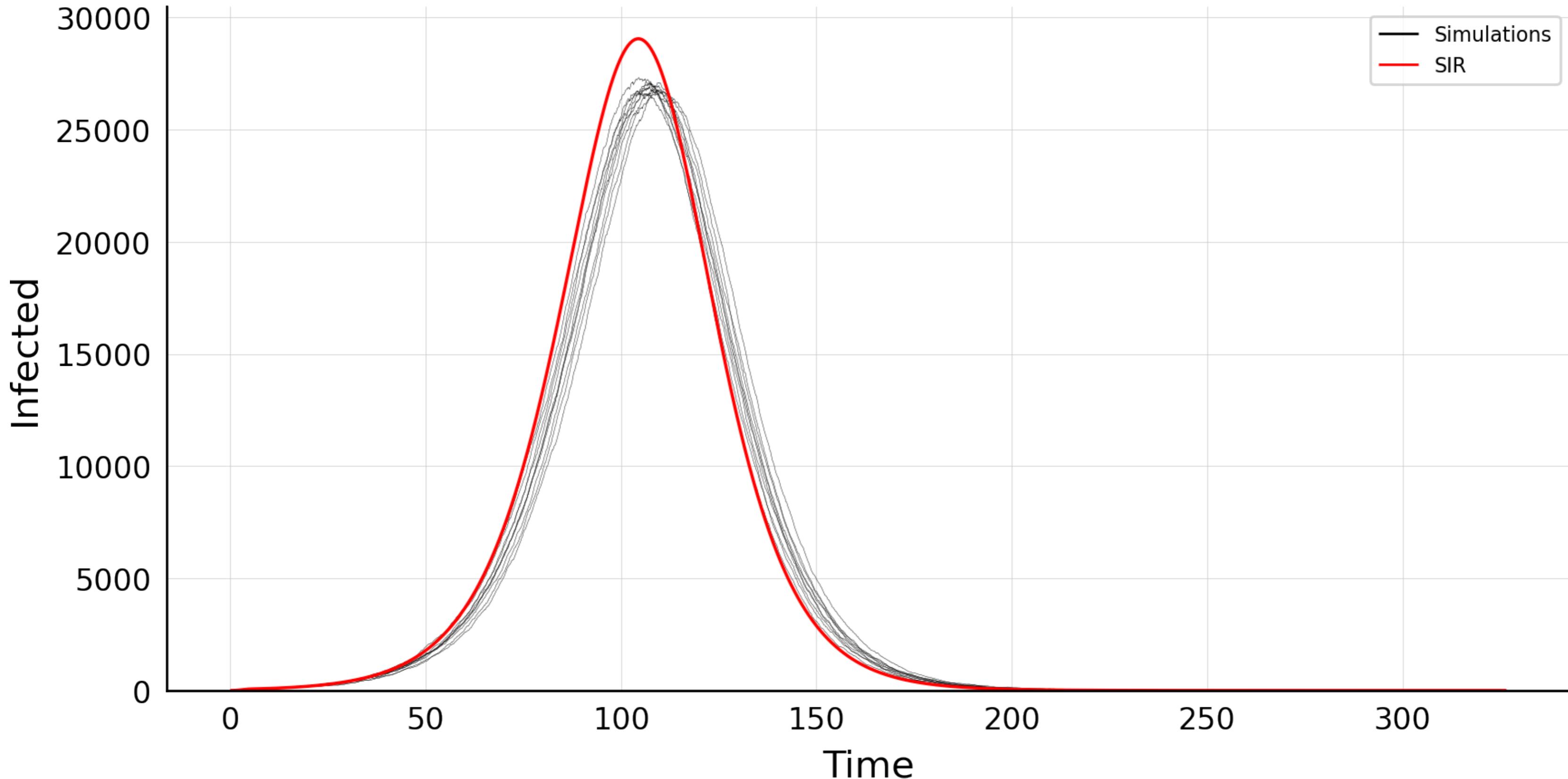


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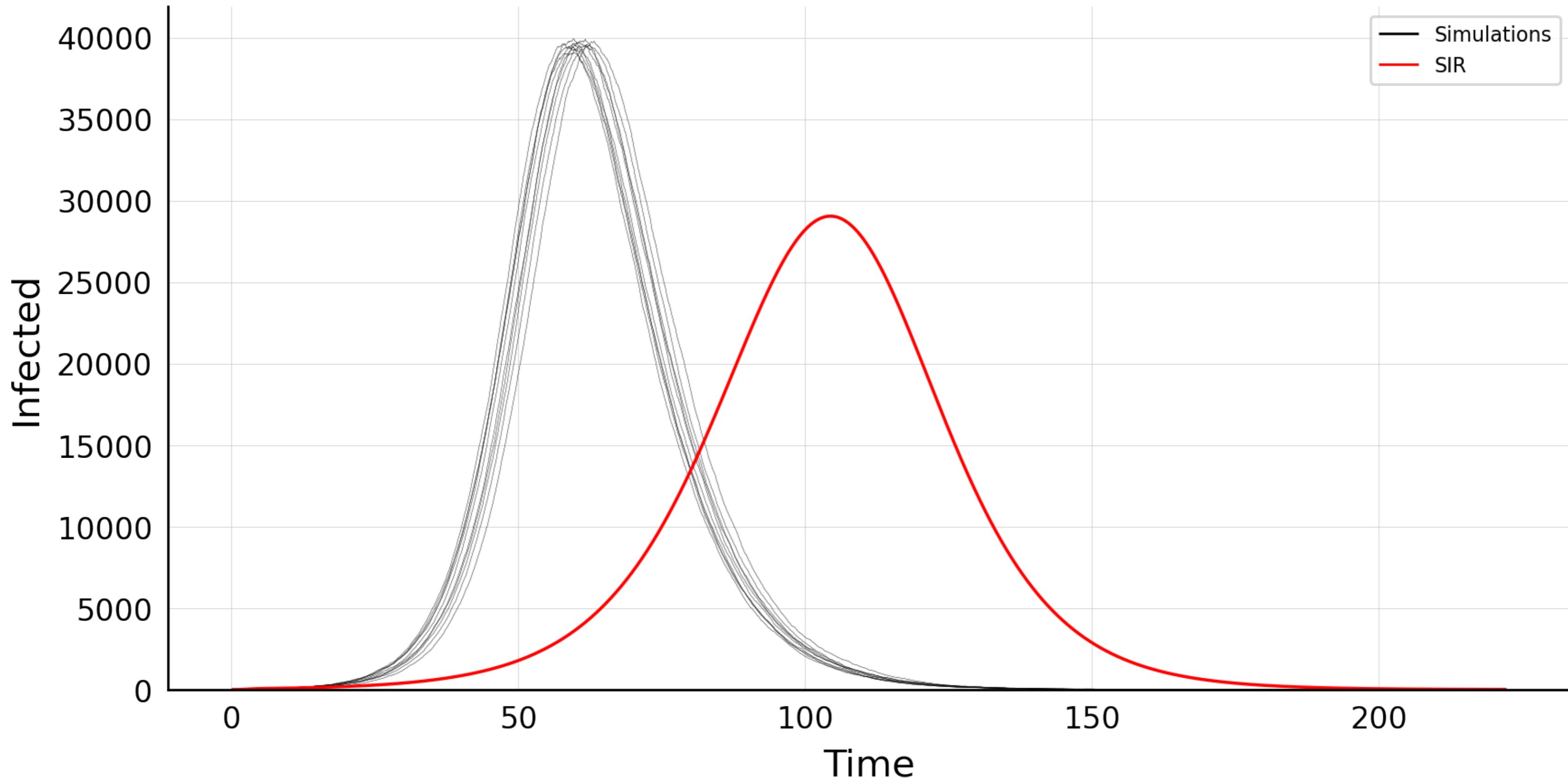
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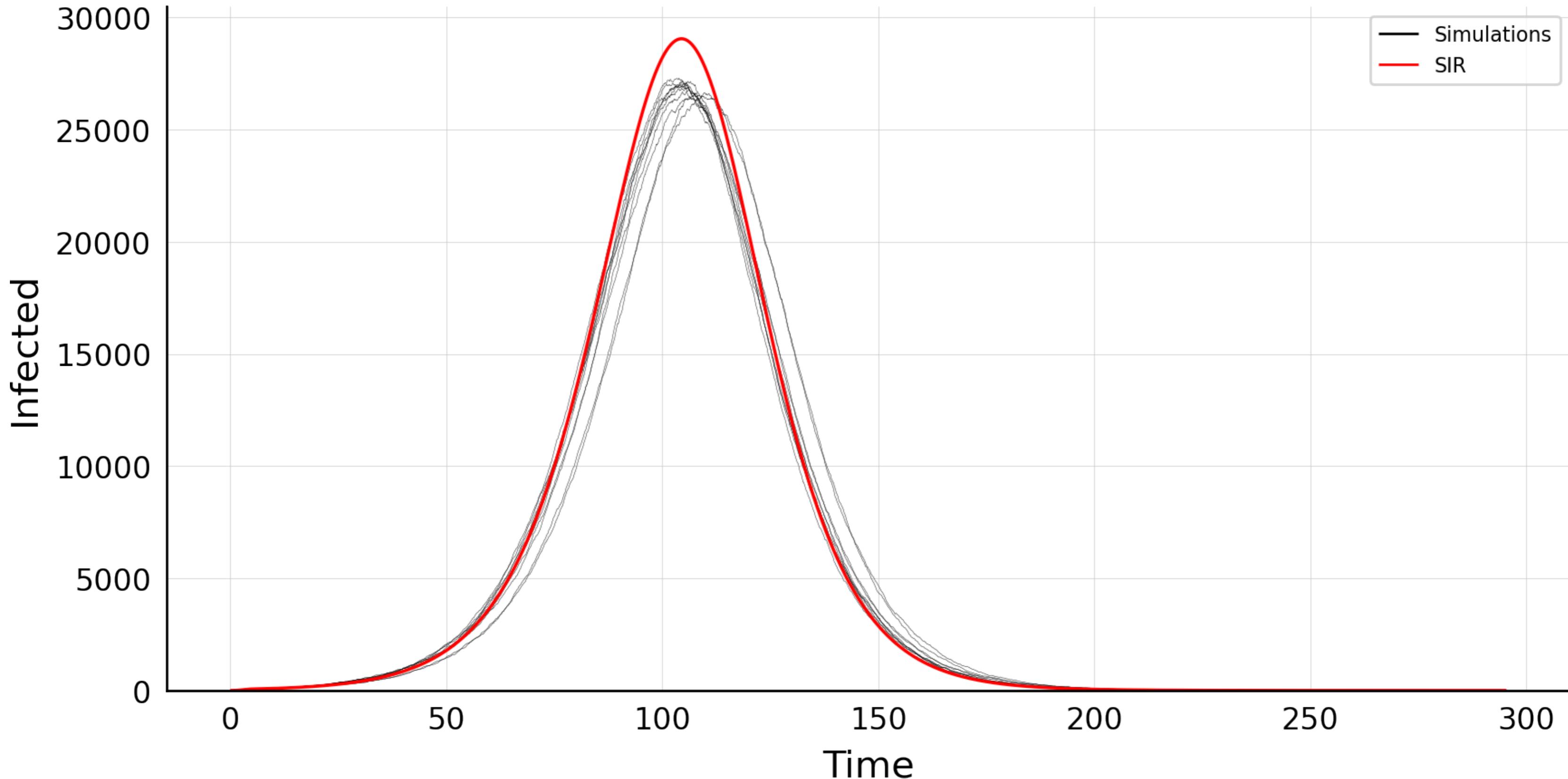
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 $\lambda_E = 1.0$, $\lambda_I = 1.0$, $\epsilon_\rho = 0.5$, $\beta_{\text{scaling}} = 1.0$, $\text{age}_{\text{mixing}} = 1.0$, $\text{algo} = 1$, $\#10$



$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $N_{\text{ages}} = 1$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, $\rho = 100.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, $\epsilon_\rho = 0.5$, $\beta_{\text{scaling}} = 1.0$, $\text{age}_{\text{mixing}} = 1.0$, $\text{algo} = 2$, #10

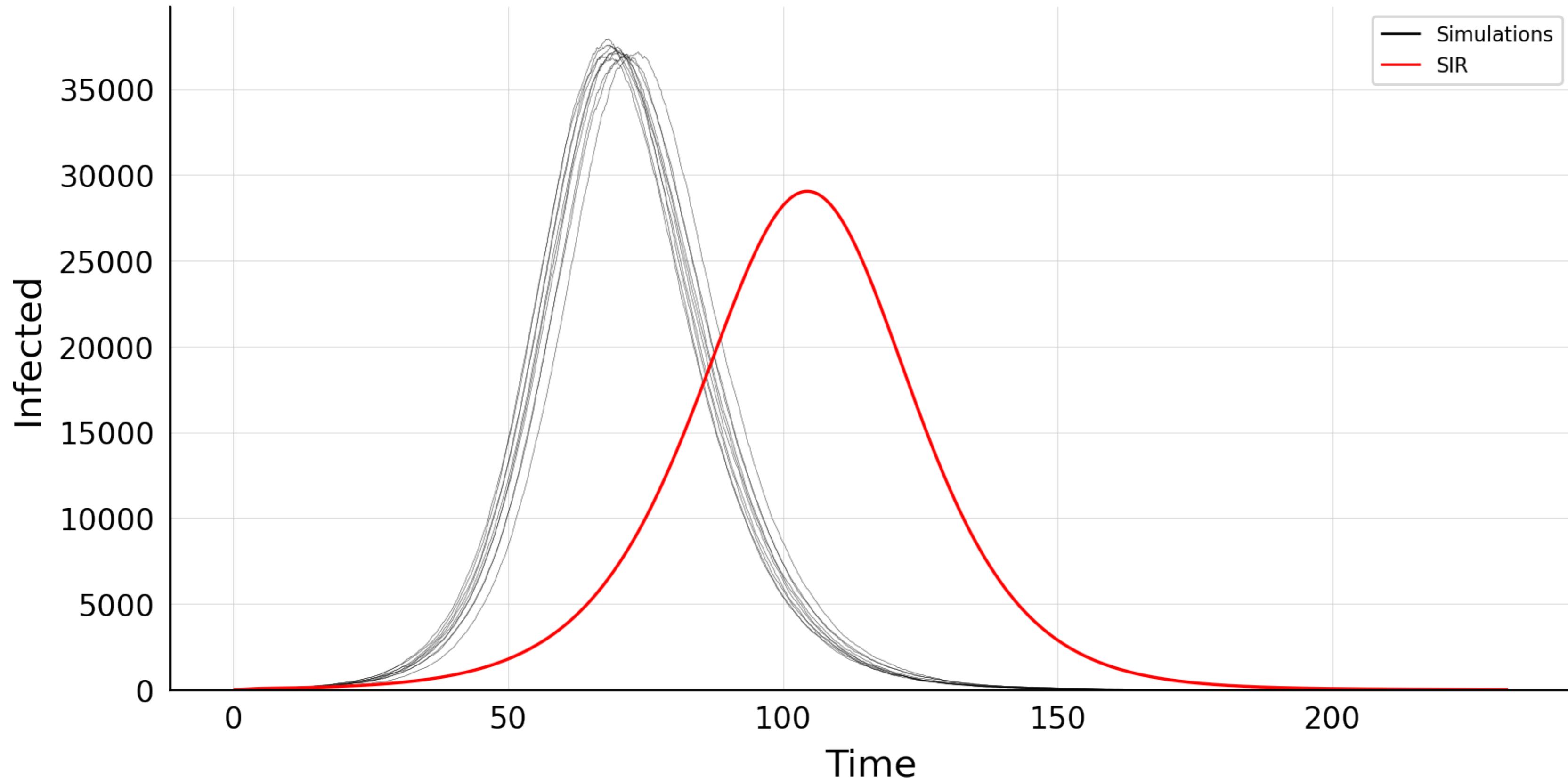


$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $N_{\text{ages}} = 1$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, $\rho = 100.0$
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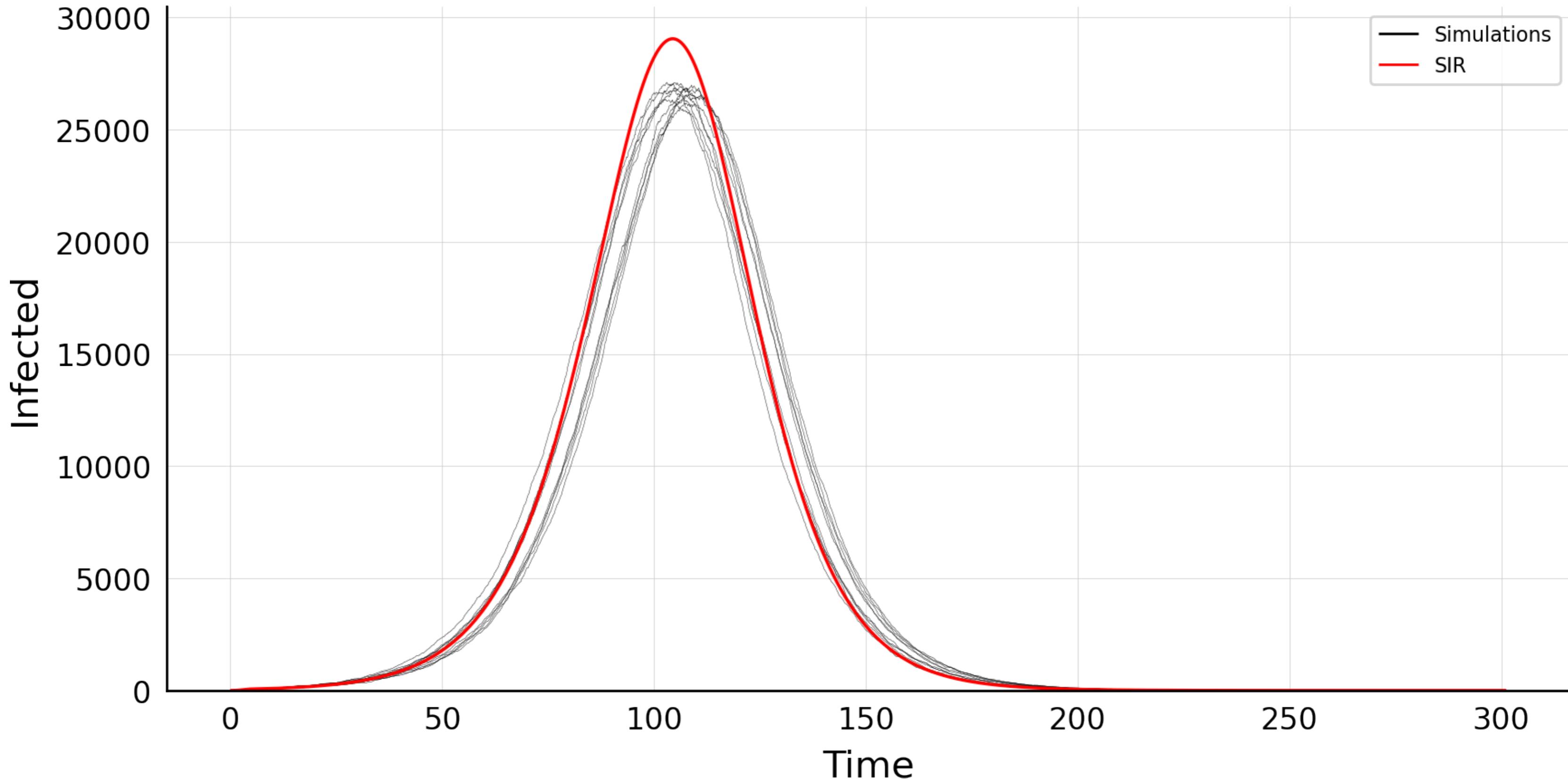


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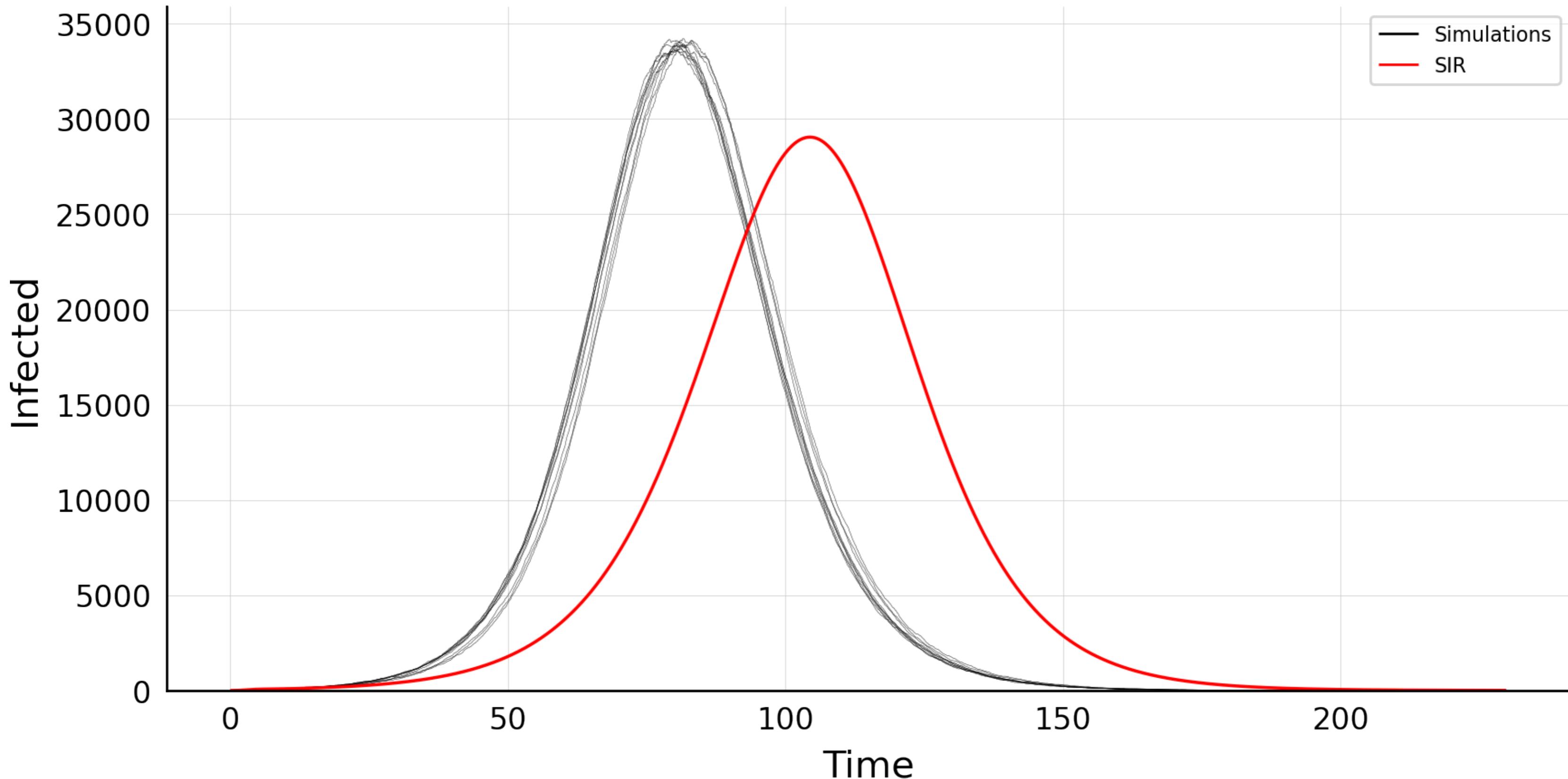
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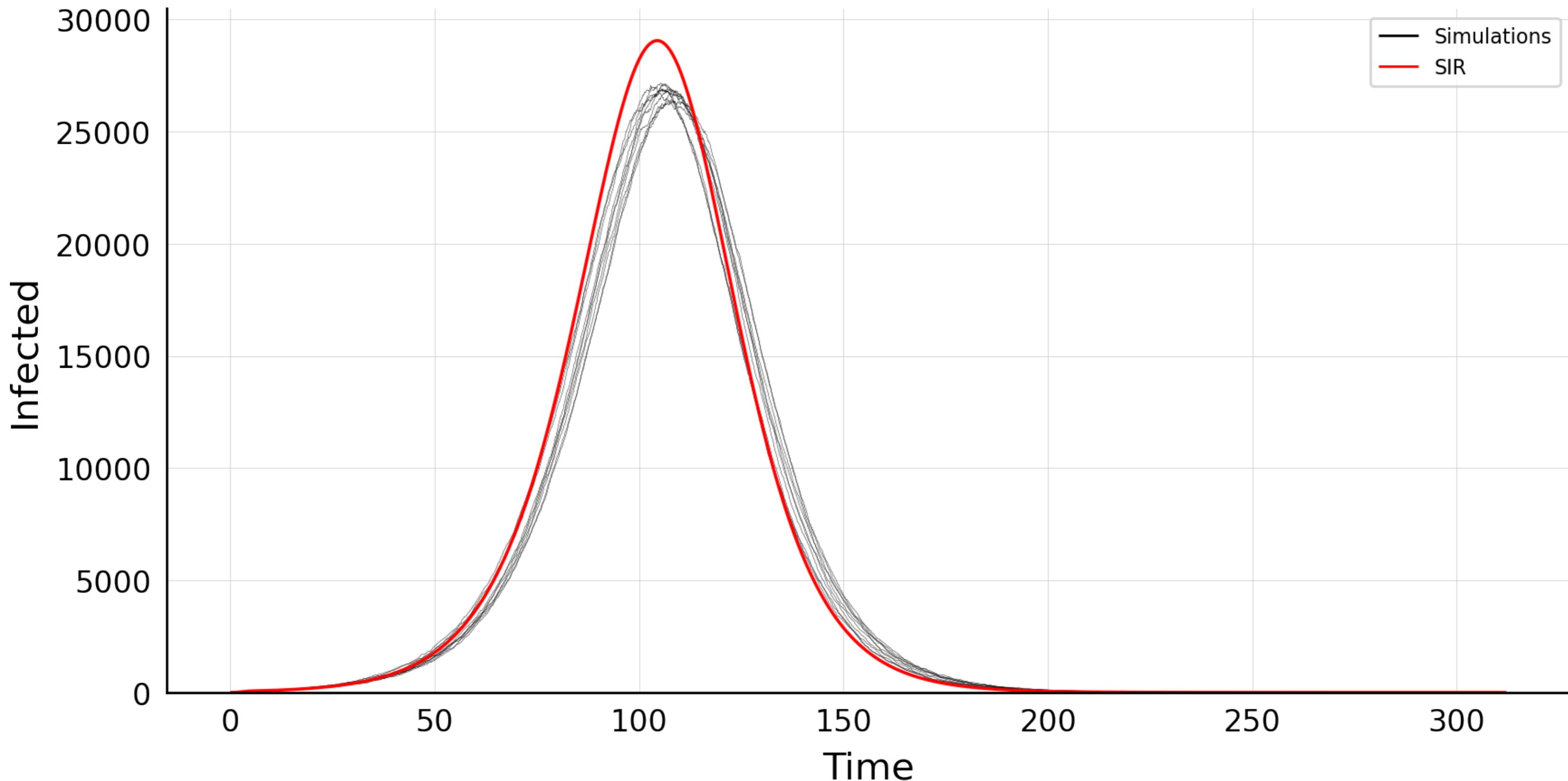
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $N_{\text{ages}} = 1$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, $\rho = 100.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, $\epsilon_\rho = 0.7$, $\beta_{\text{scaling}} = 1.0$, $\text{age}_{\text{mixing}} = 1.0$, $\text{algo} = 1$, $\#10$



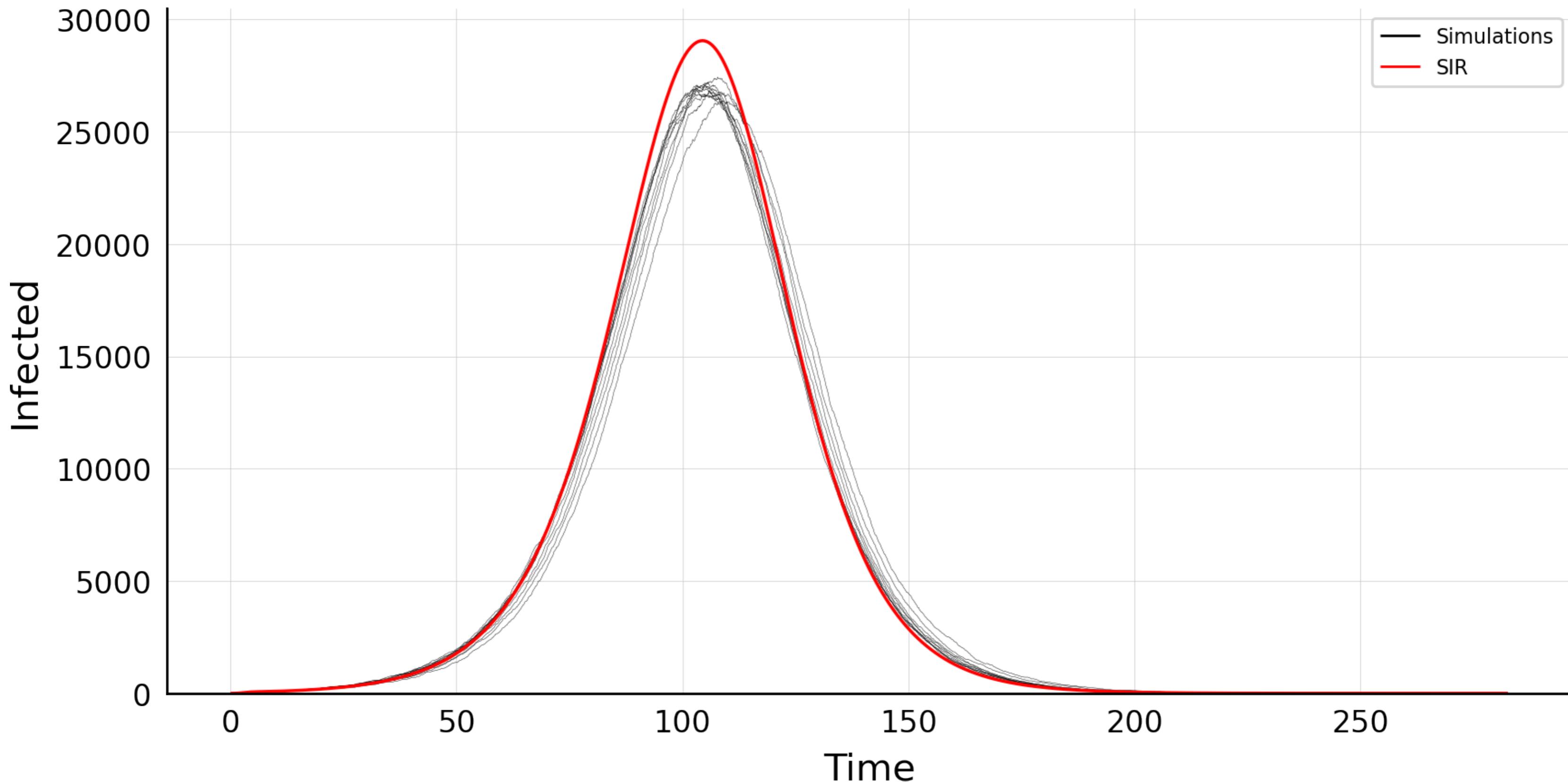
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $N_{\text{ages}} = 1$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, $\rho = 100.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, $\epsilon_\rho = 0.7$, $\beta_{\text{scaling}} = 1.0$, $\text{age}_{\text{mixing}} = 1.0$, $\text{algo} = 2$, #10



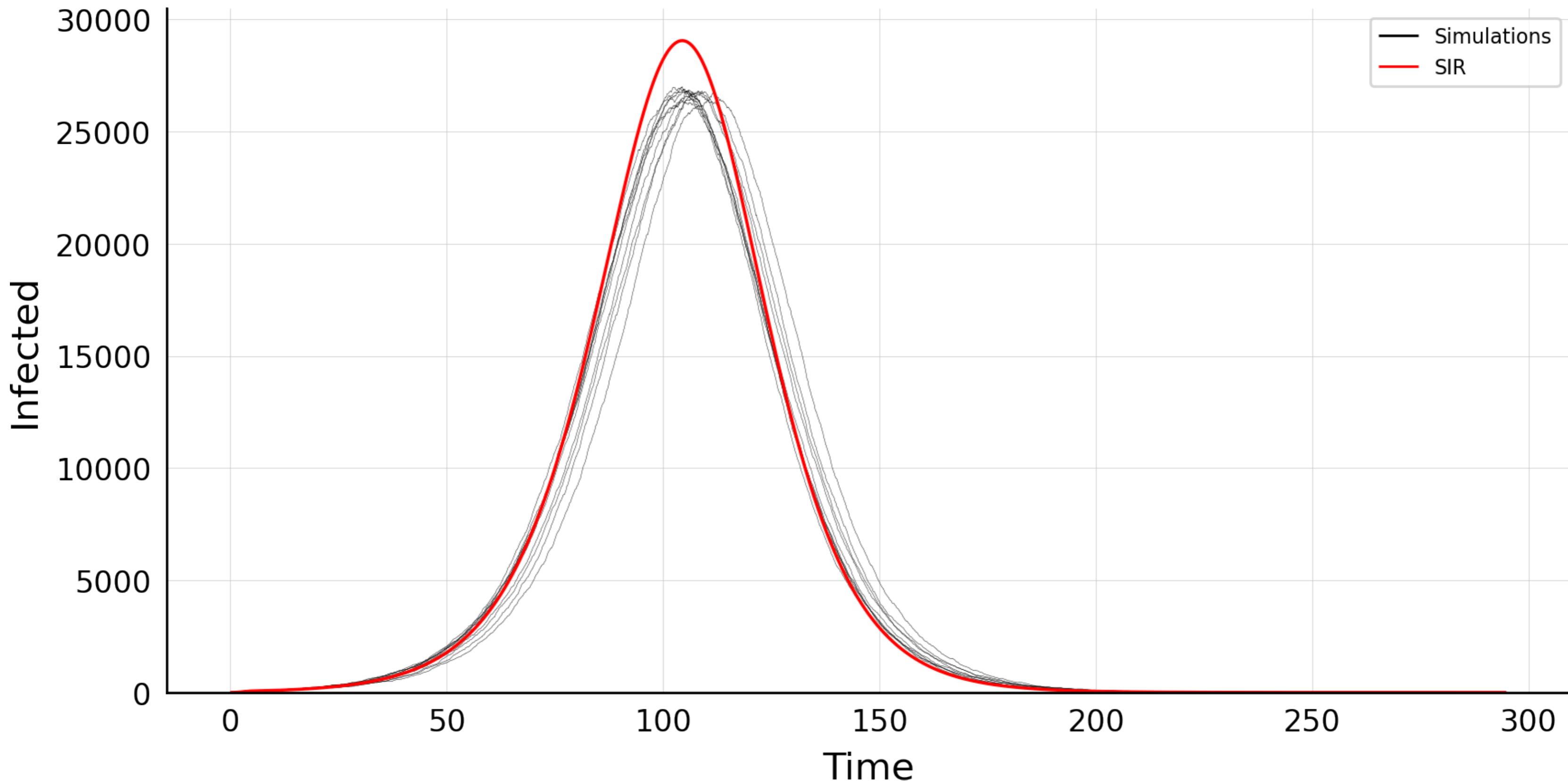
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 $\lambda_E = 1.0$, $\lambda_I = 1.0$, $\epsilon_\rho = 0.95$, $\beta_{\text{scaling}} = 1.0$, $\text{age}_{\text{mixing}} = 1.0$, $\text{algo} = 1$, $\#10$



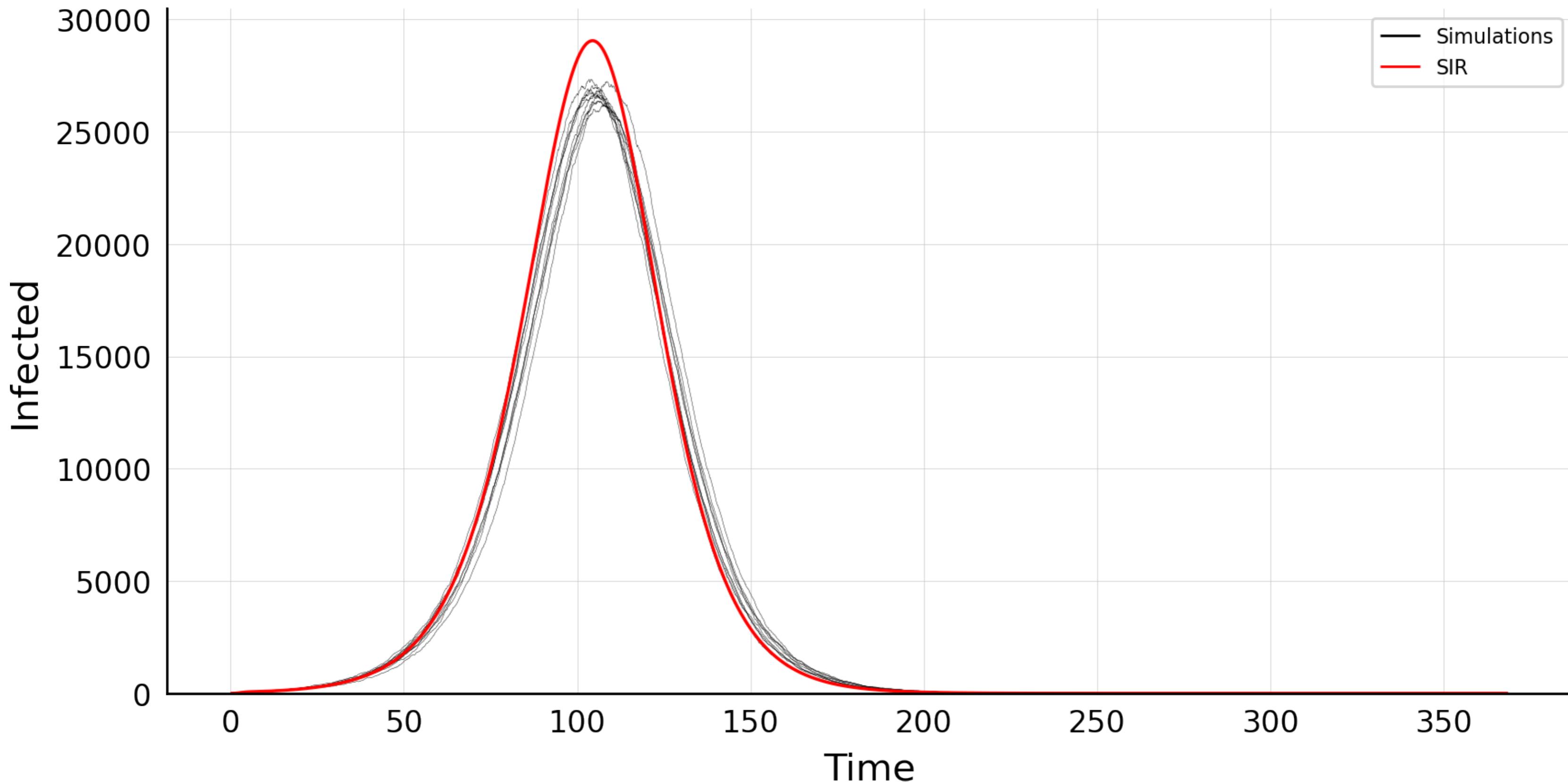
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $N_{\text{ages}} = 1$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, $\rho = 100.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, $\epsilon_\rho = 0.95$, $\beta_{\text{scaling}} = 1.0$, $\text{age}_{\text{mixing}} = 1.0$, $\text{algo} = 2$, #10



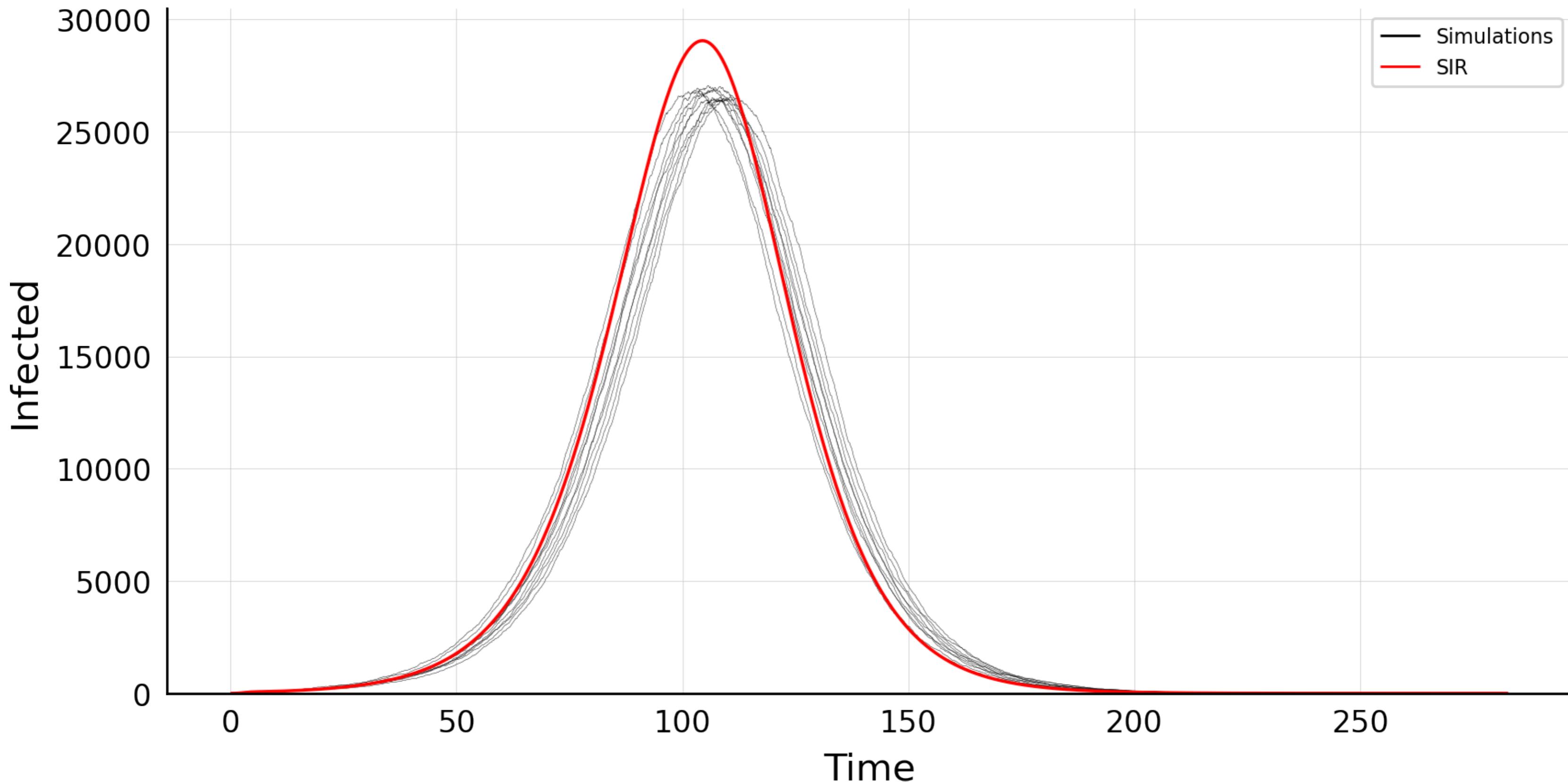
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $N_{\text{ages}} = 1$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, $\rho = 100.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, $\epsilon_\rho = 0.99$, $\beta_{\text{scaling}} = 1.0$, $\text{age}_{\text{mixing}} = 1.0$, $\text{algo} = 1$, $\#10$



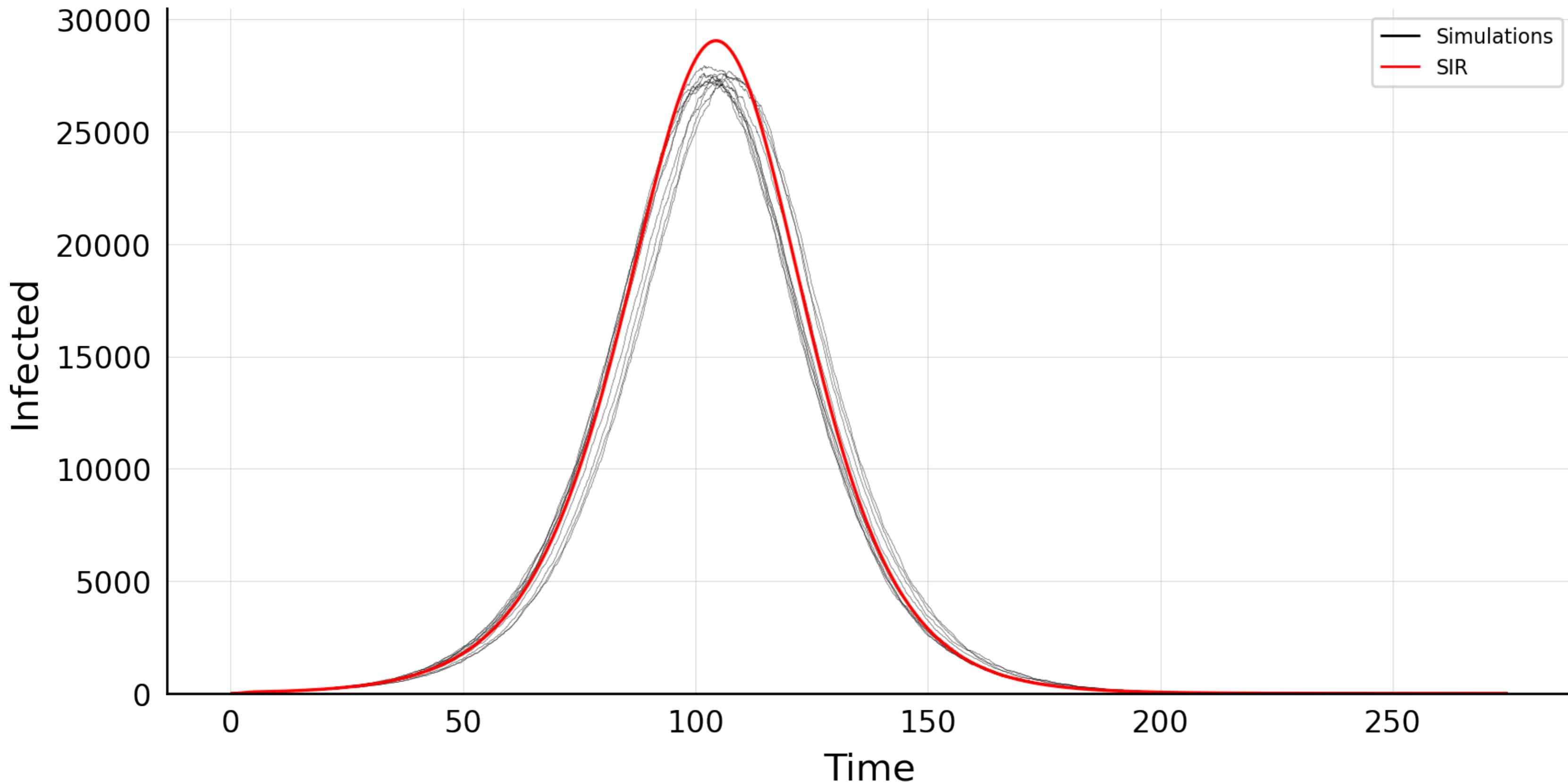
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 $\lambda_E = 1.0$, $\lambda_I = 1.0$, $\epsilon_\rho = 0.99$, $\beta_{\text{scaling}} = 1.0$, $\text{age}_{\text{mixing}} = 1.0$, $\text{algo} = 2$, #10



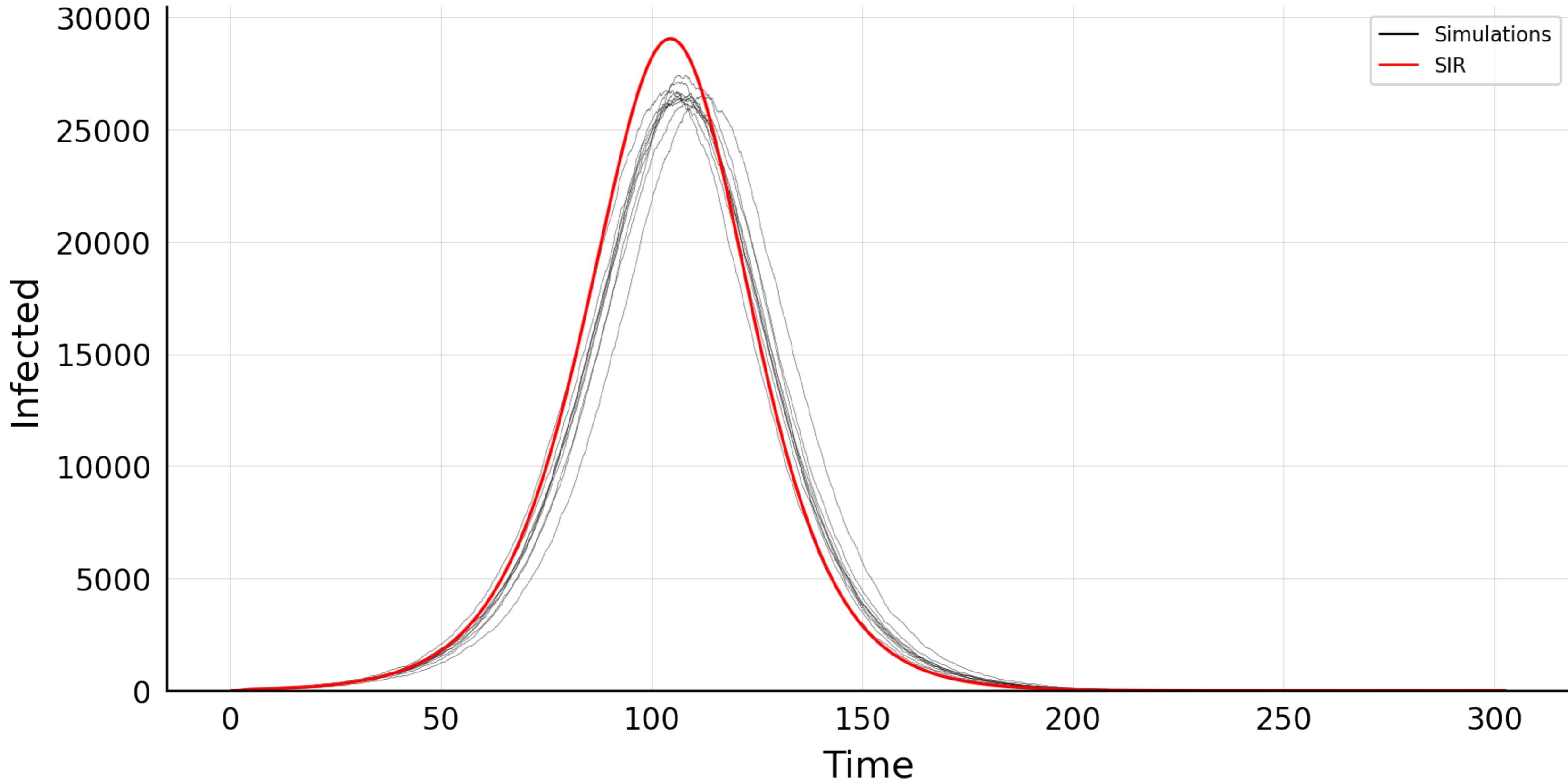
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $N_{\text{ages}} = 1$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, $\rho = 100.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, $\epsilon_\rho = 0.9$, $\beta_{\text{scaling}} = 1.0$, $\text{age}_{\text{mixing}} = 1.0$, $\text{algo} = 1$, $\#10$



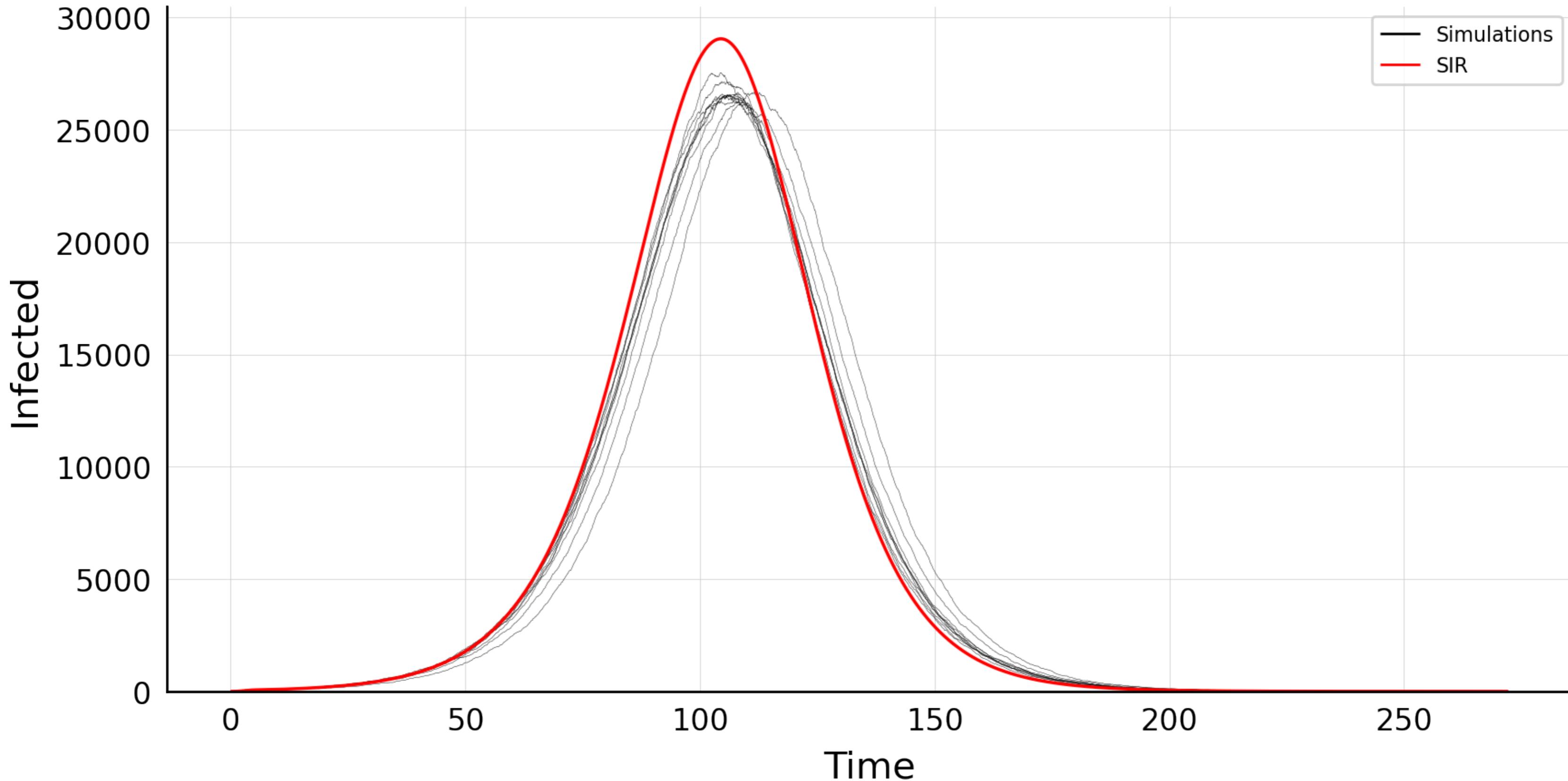
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 $\lambda_E = 1.0$, $\lambda_I = 1.0$, $\epsilon_\rho = 0.9$, $\beta_{\text{scaling}} = 1.0$, $\text{age}_{\text{mixing}} = 1.0$, $\text{algo} = 2$, #10



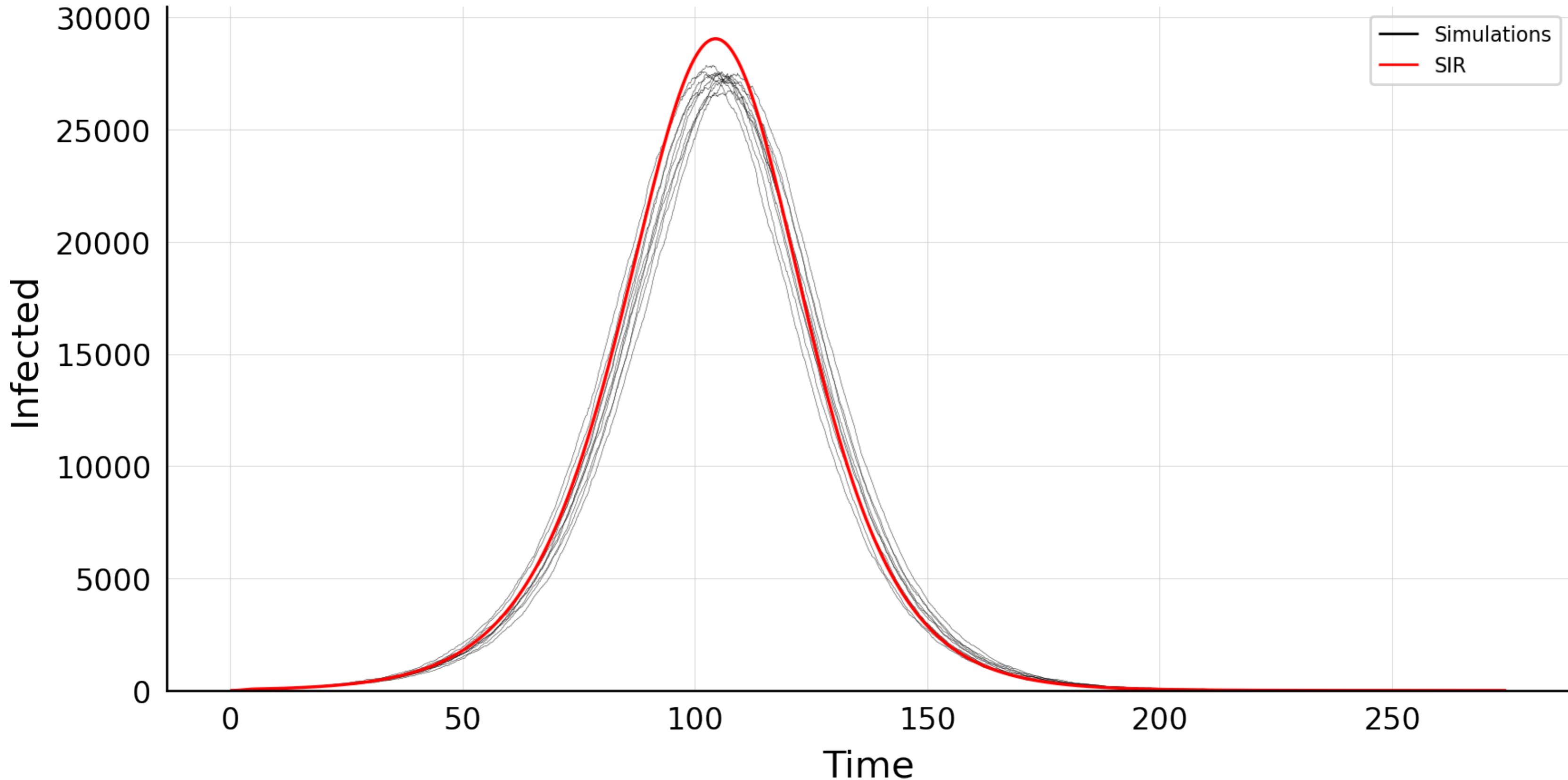
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 $\lambda_E = 1.0$, $\lambda_I = 1.0$, $\epsilon_\rho = 1.0$, $\beta_{\text{scaling}} = 1.0$, $\text{age}_{\text{mixing}} = 1.0$, $\text{algo} = 1$, $\#10$



$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $N_{\text{ages}} = 1$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, $\rho = 100.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, $\epsilon_\rho = 1.0$, $\beta_{\text{scaling}} = 1.0$, $\text{age}_{\text{mixing}} = 1.0$, $\text{algo} = 2$, #10

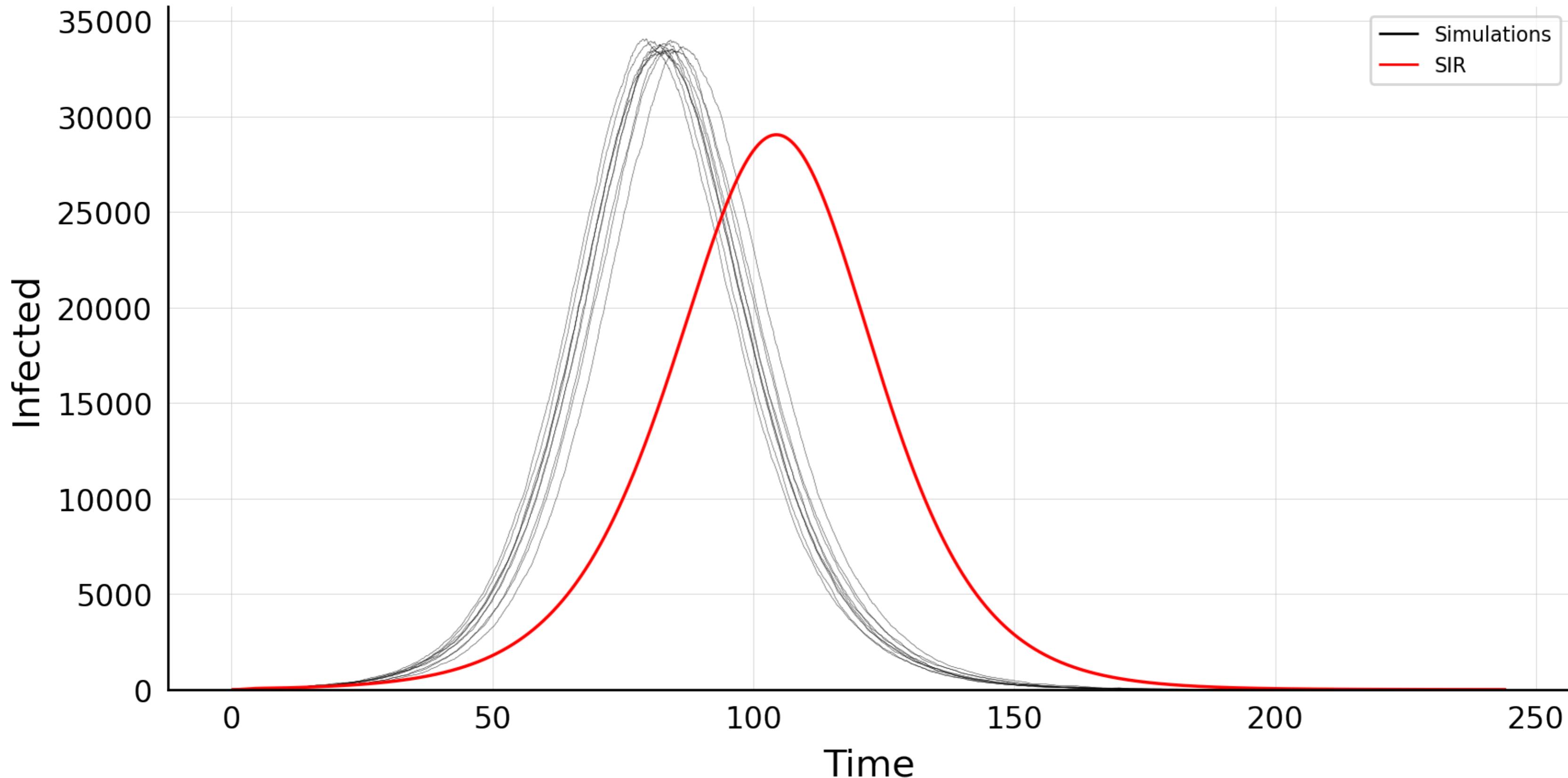


$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $N_{\text{ages}} = 1$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, $\rho = 15.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, $\epsilon_\rho = 0.01$, $\beta_{\text{scaling}} = 1.0$, $\text{age}_{\text{mixing}} = 1.0$, $\text{algo} = 1$, $\#10$

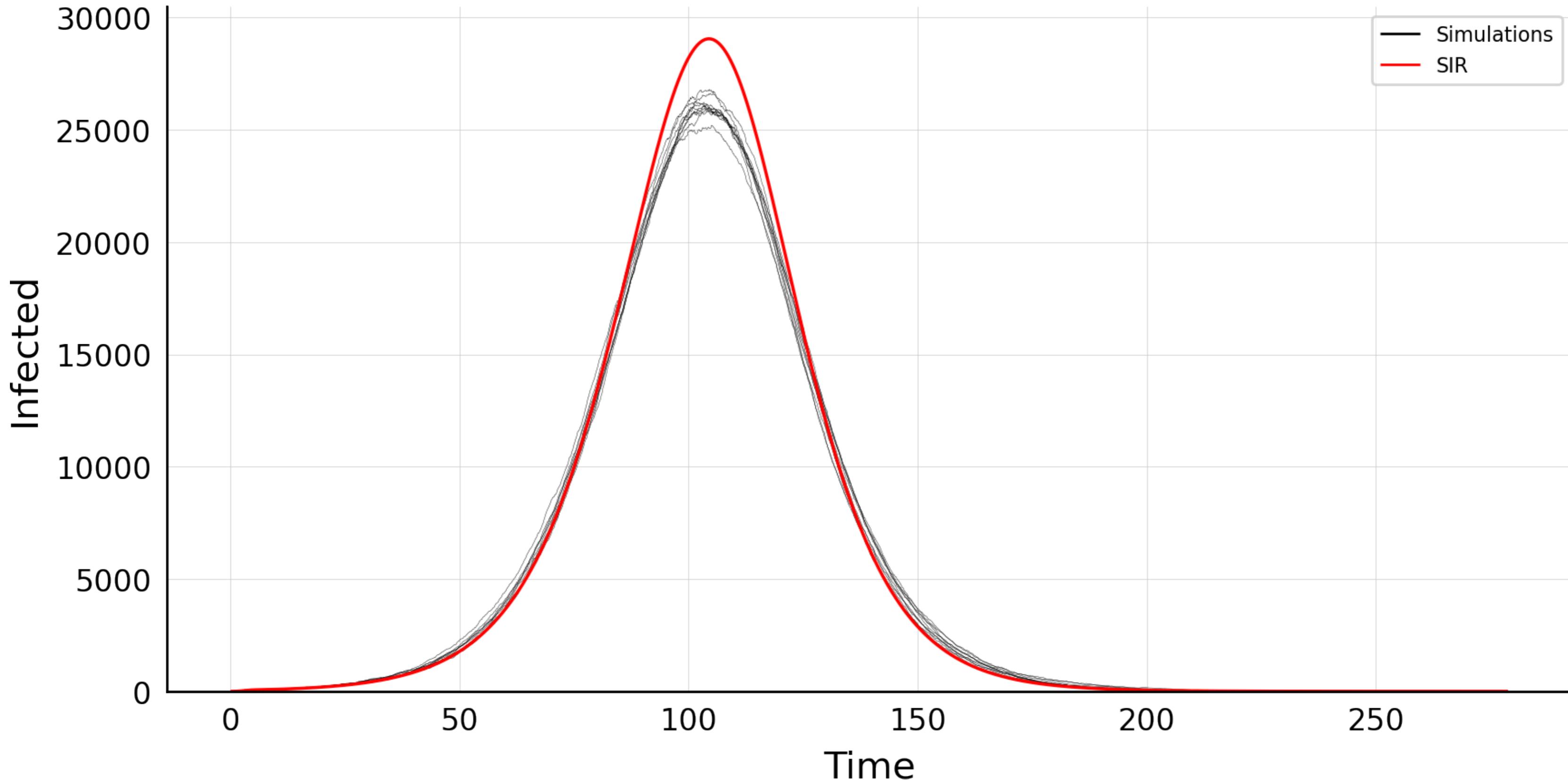


$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $N_{\text{ages}} = 1$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, $\rho = 15.0$

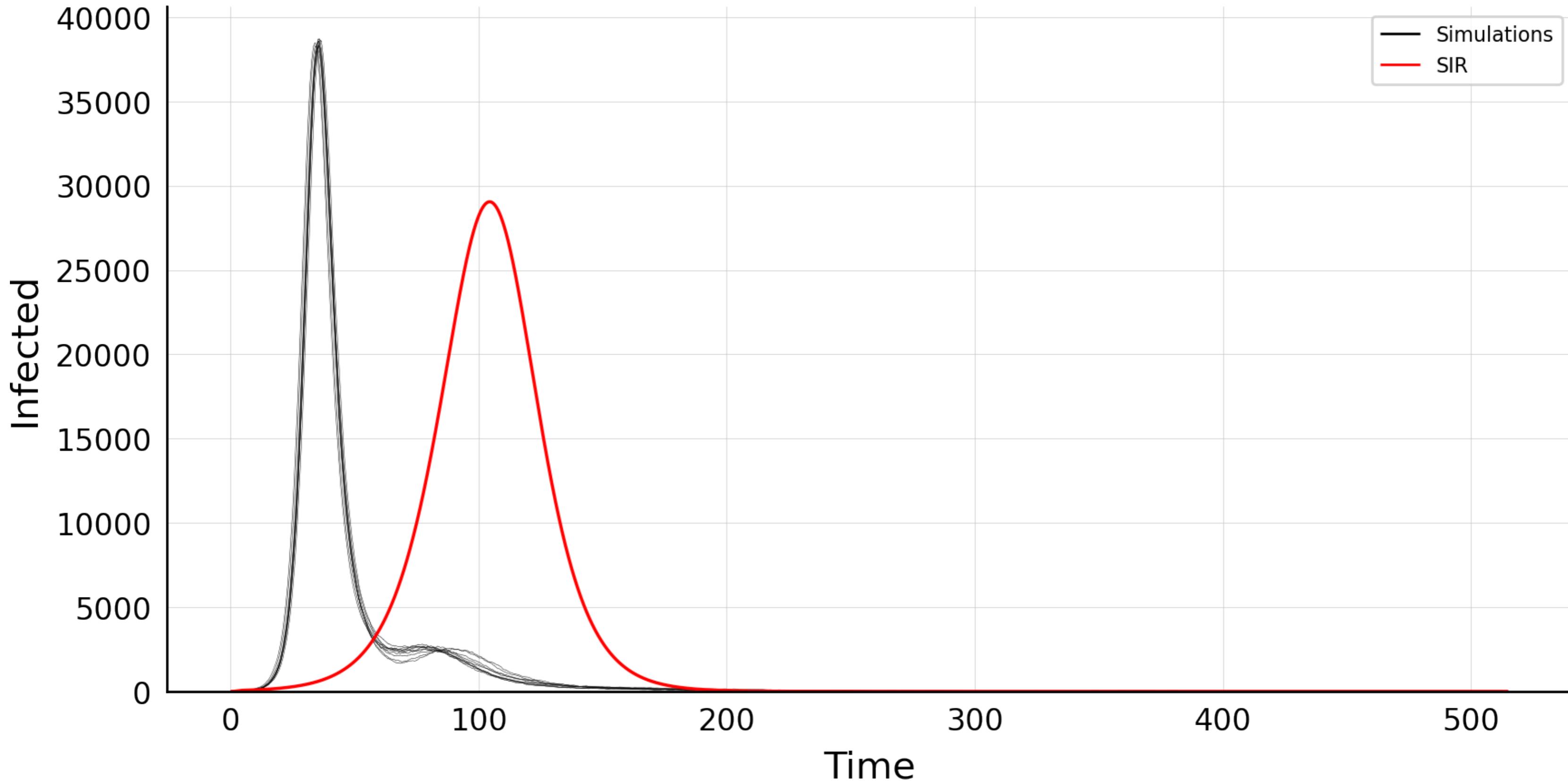
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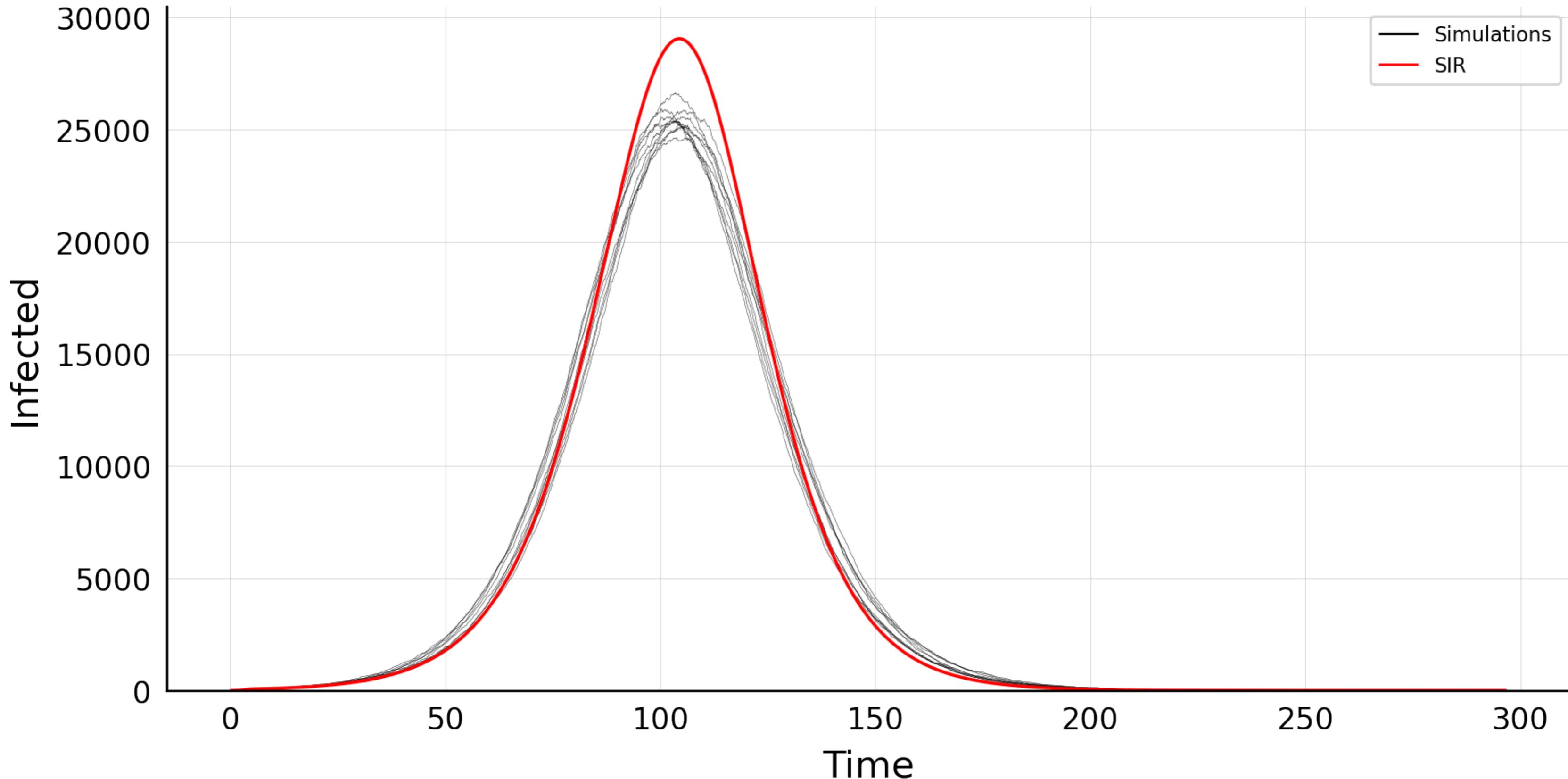
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $N_{\text{ages}} = 1$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, $\rho = 150.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, $\epsilon_\rho = 0.01$, $\beta_{\text{scaling}} = 1.0$, $\text{age}_{\text{mixing}} = 1.0$, $\text{algo} = 1$, $\#10$



$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $N_{\text{ages}} = 1$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, $\rho = 150.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, $\epsilon_\rho = 0.01$, $\beta_{\text{scaling}} = 1.0$, $\text{age}_{\text{mixing}} = 1.0$, $\text{algo} = 2$, #10

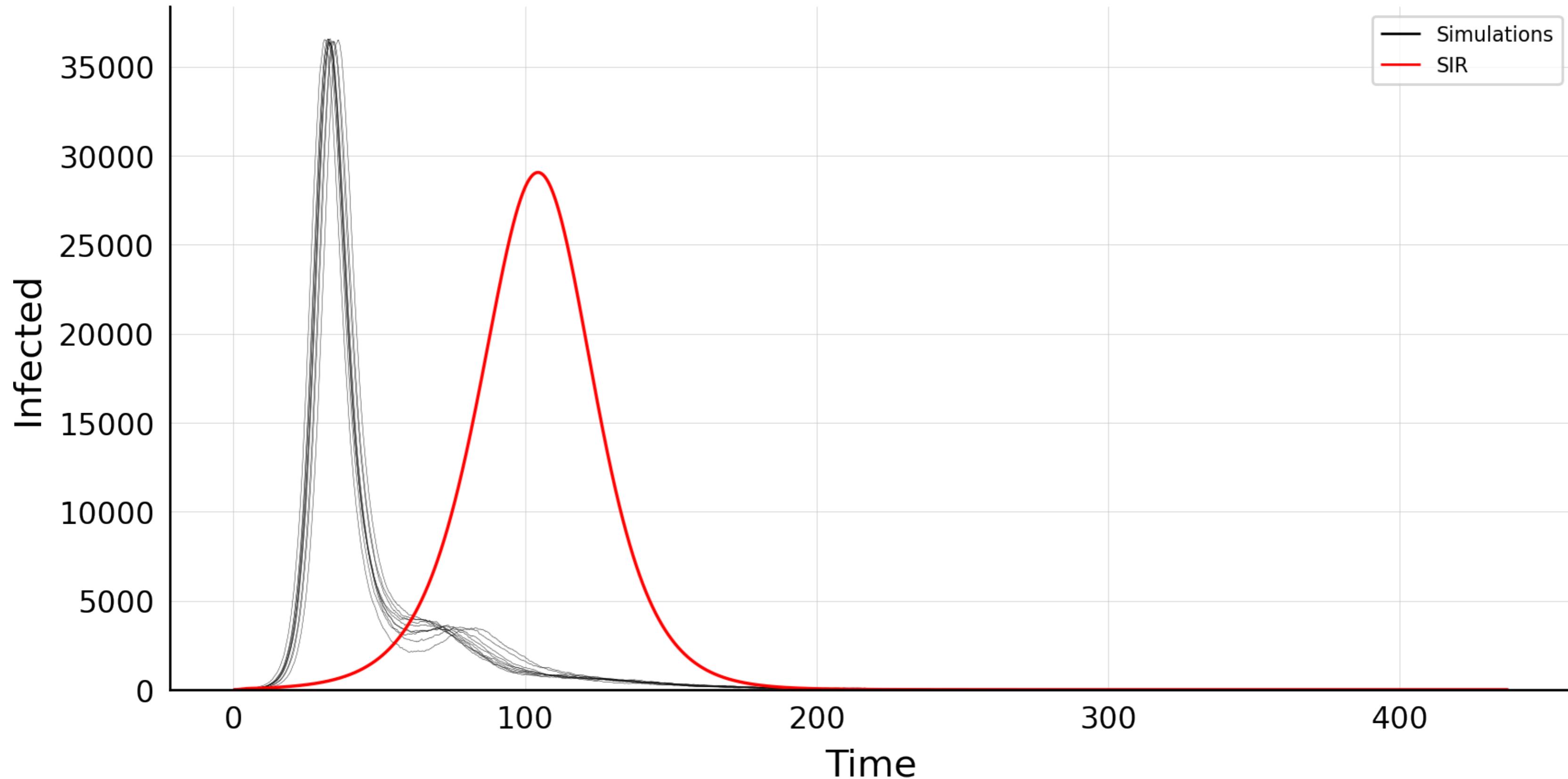


$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $N_{\text{ages}} = 1$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, $\rho = 200.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, $\epsilon_\rho = 0.01$, $\beta_{\text{scaling}} = 1.0$, $\text{age}_{\text{mixing}} = 1.0$, $\text{algo} = 1$, $\#10$



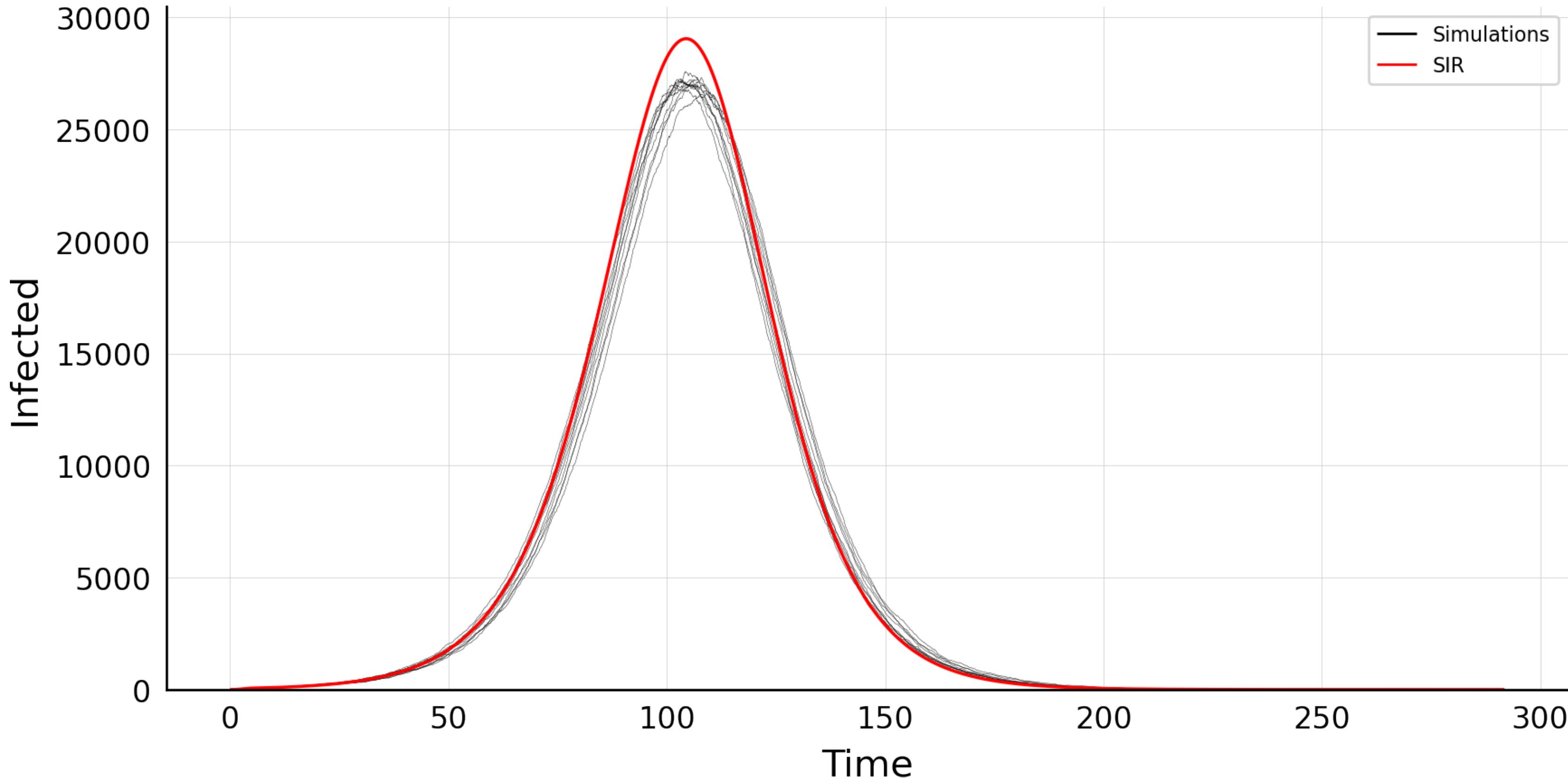
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $N_{\text{ages}} = 1$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, $\rho = 200.0$

$\lambda_E = 1.0$, $\lambda_I = 1.0$, $\epsilon_\rho = 0.01$, $\beta_{\text{scaling}} = 1.0$, $\text{age}_{\text{mixing}} = 1.0$, $\text{algo} = 2$, #10



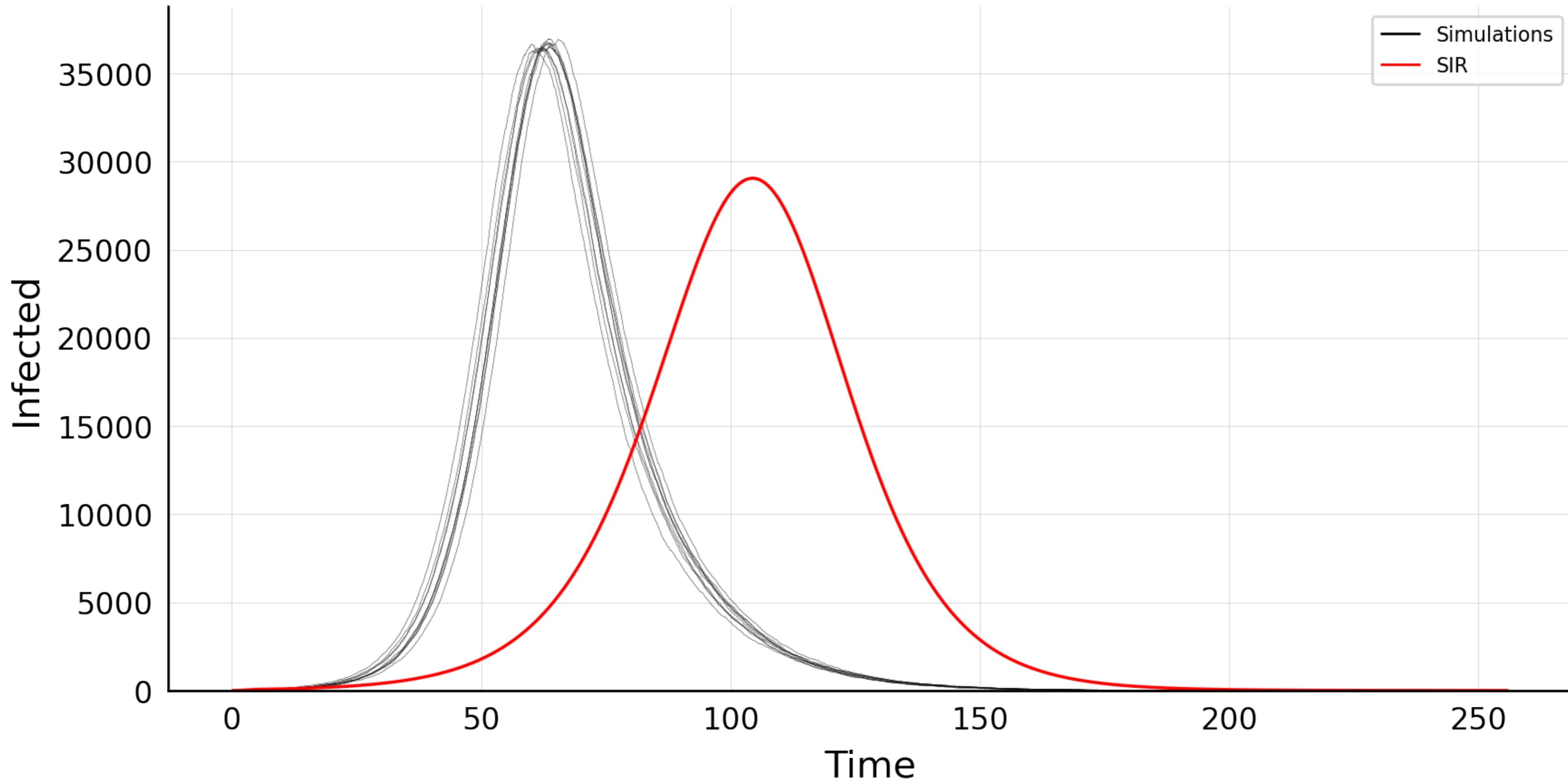
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $N_{\text{ages}} = 1$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, $\rho = 25.0$

$\lambda_E = 1.0$, $\lambda_I = 1.0$, $\epsilon_\rho = 0.01$, $\beta_{\text{scaling}} = 1.0$, $\text{age}_{\text{mixing}} = 1.0$, $\text{algo} = 1$, $\#10$

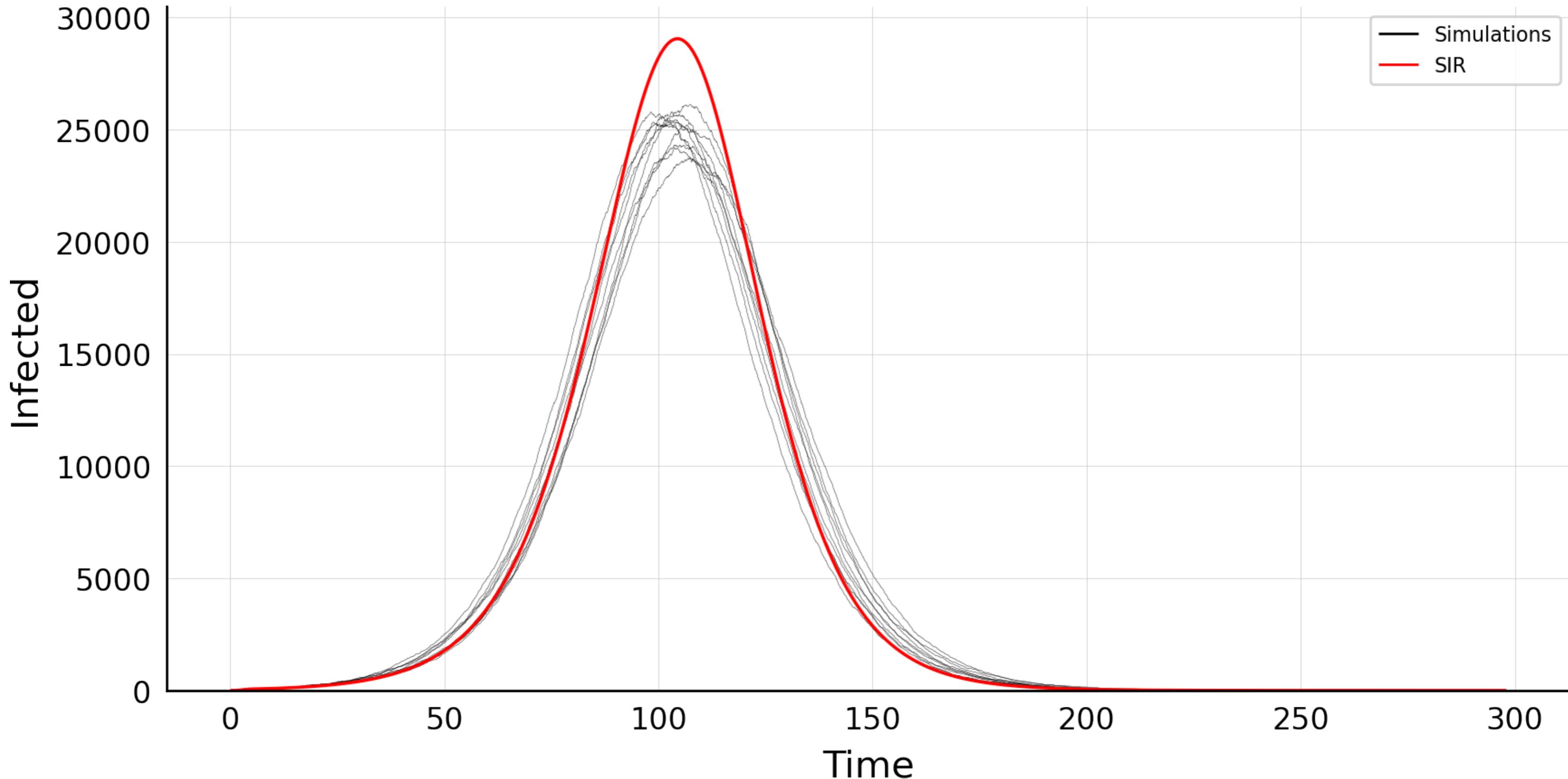


$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $N_{\text{ages}} = 1$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, $\rho = 25.0$

$\lambda_E = 1.0$, $\lambda_I = 1.0$, $\epsilon_\rho = 0.01$, $\beta_{\text{scaling}} = 1.0$, $\text{age}_{\text{mixing}} = 1.0$, $\text{algo} = 2$, #10

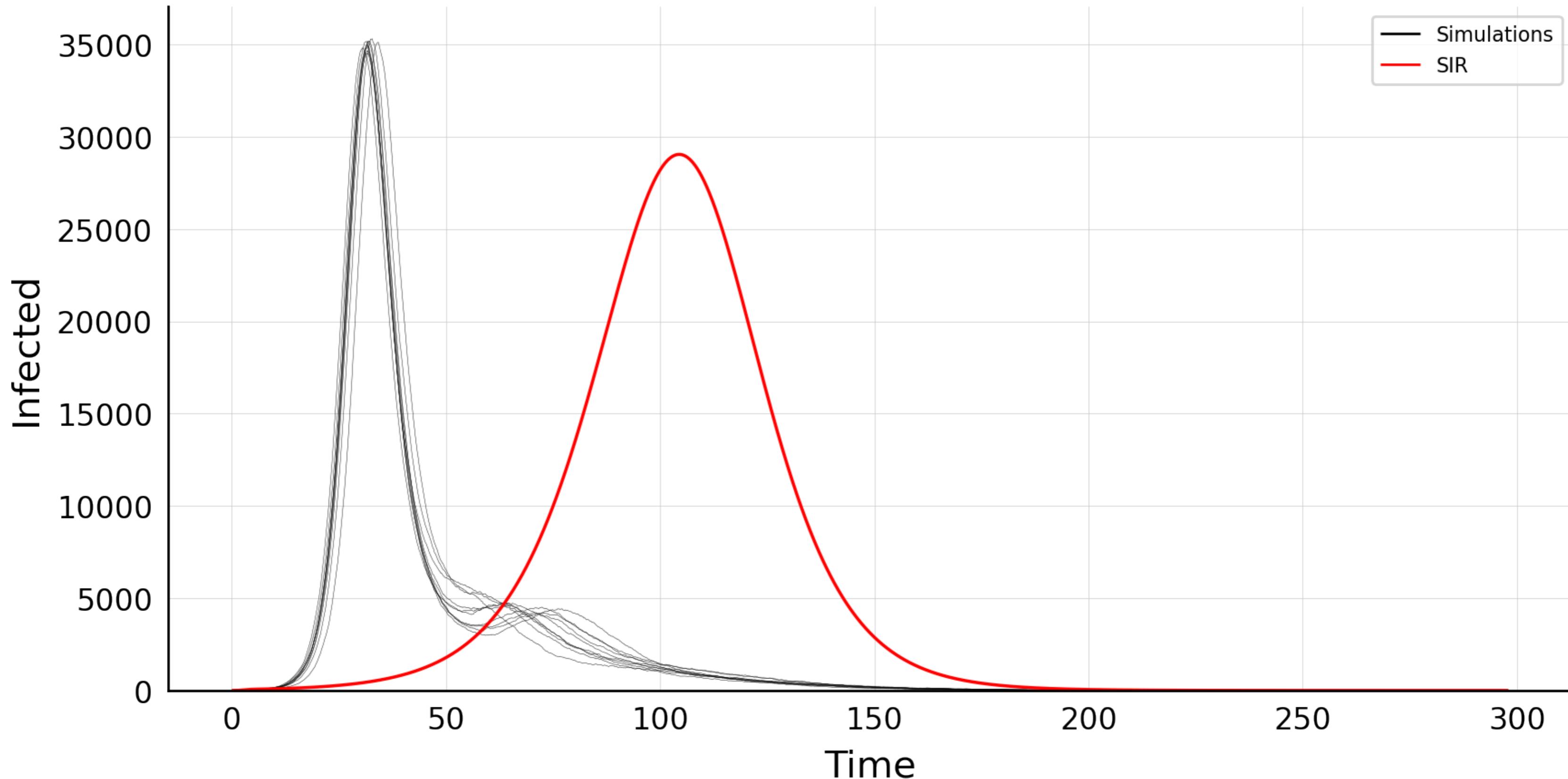


$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $N_{\text{ages}} = 1$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, $\rho = 250.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, $\epsilon_\rho = 0.01$, $\beta_{\text{scaling}} = 1.0$, $\text{age}_{\text{mixing}} = 1.0$, $\text{algo} = 1$, $\#10$

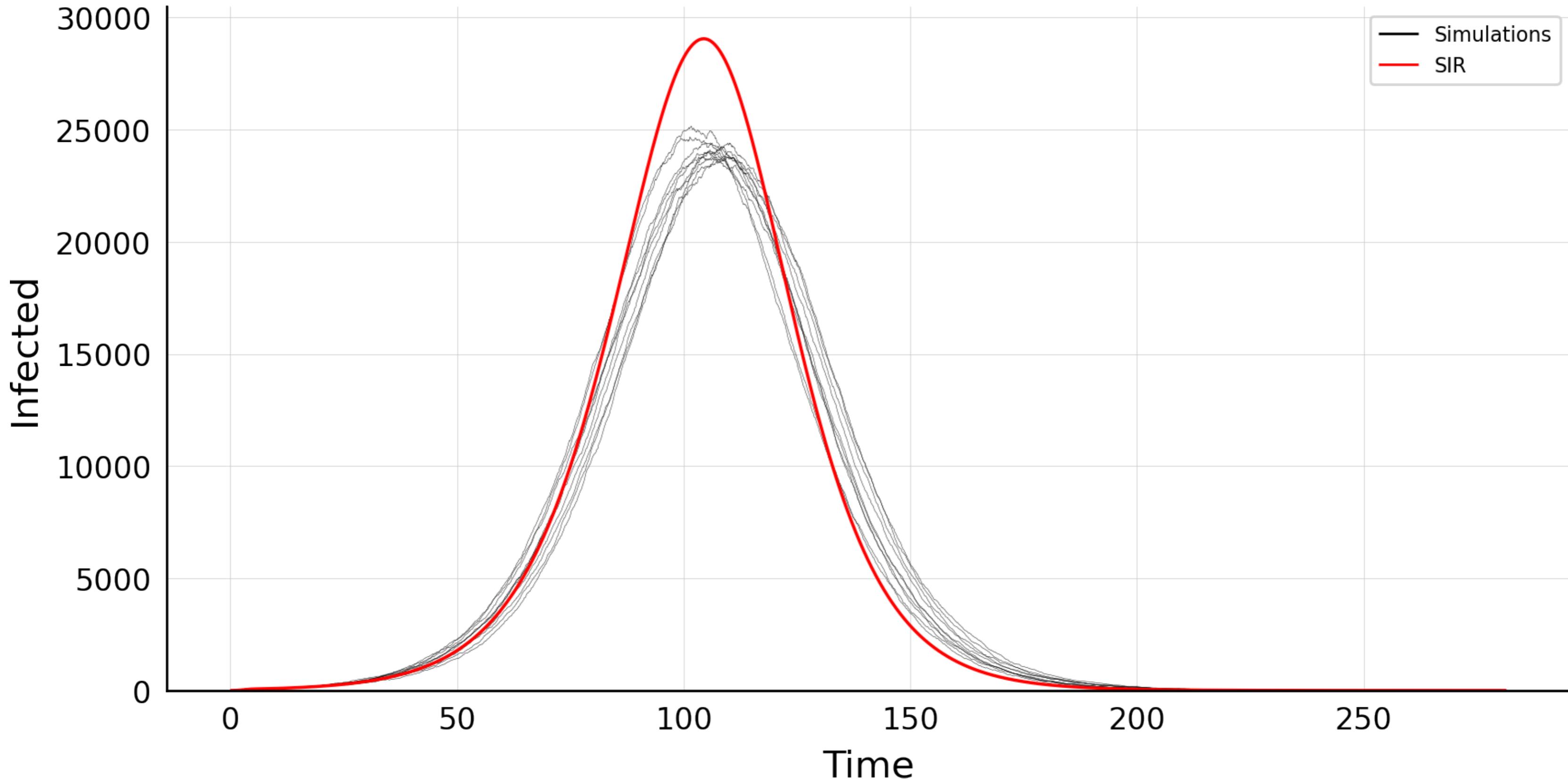


$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $N_{\text{ages}} = 1$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, $\rho = 250.0$

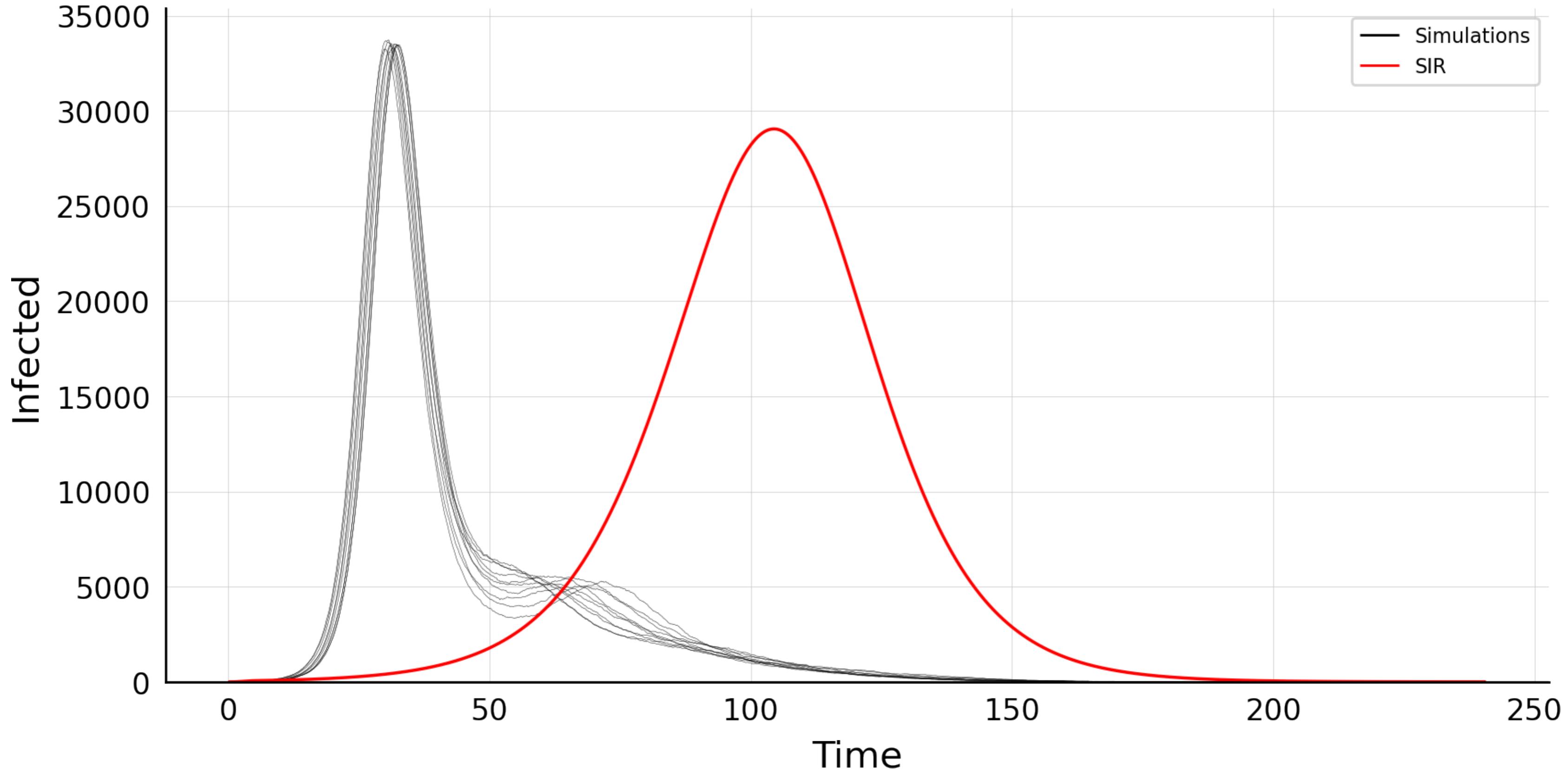
$\lambda_E = 1.0$, $\lambda_I = 1.0$, $\epsilon_\rho = 0.01$, $\beta_{\text{scaling}} = 1.0$, $\text{age}_{\text{mixing}} = 1.0$, $\text{algo} = 2$, #10



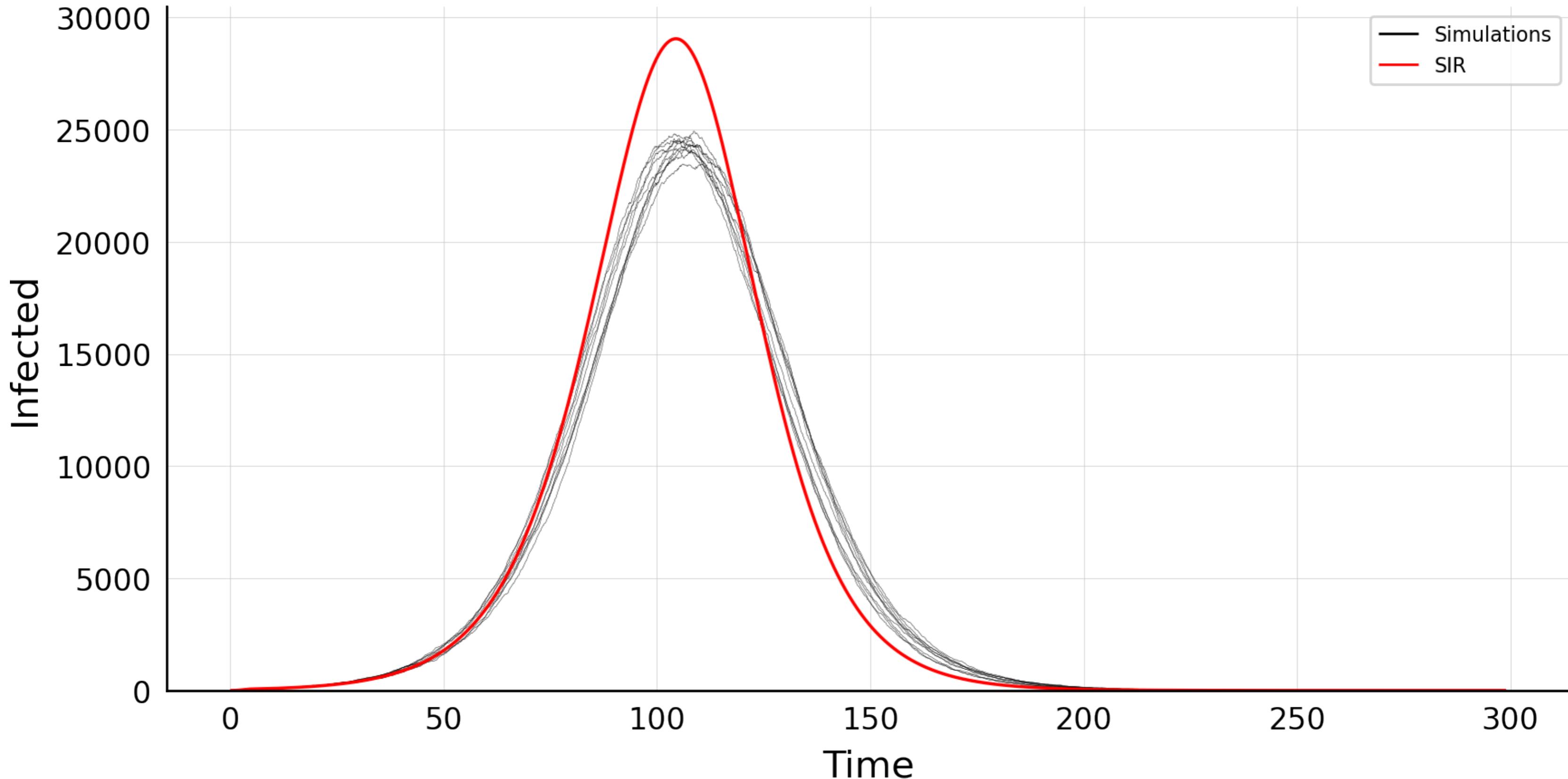
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $N_{\text{ages}} = 1$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, $\rho = 300.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, $\epsilon_\rho = 0.01$, $\beta_{\text{scaling}} = 1.0$, $\text{age}_{\text{mixing}} = 1.0$, $\text{algo} = 1$, $\#10$



$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $N_{\text{ages}} = 1$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, $\rho = 300.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, $\epsilon_\rho = 0.01$, $\beta_{\text{scaling}} = 1.0$, $\text{age}_{\text{mixing}} = 1.0$, $\text{algo} = 2$, #10

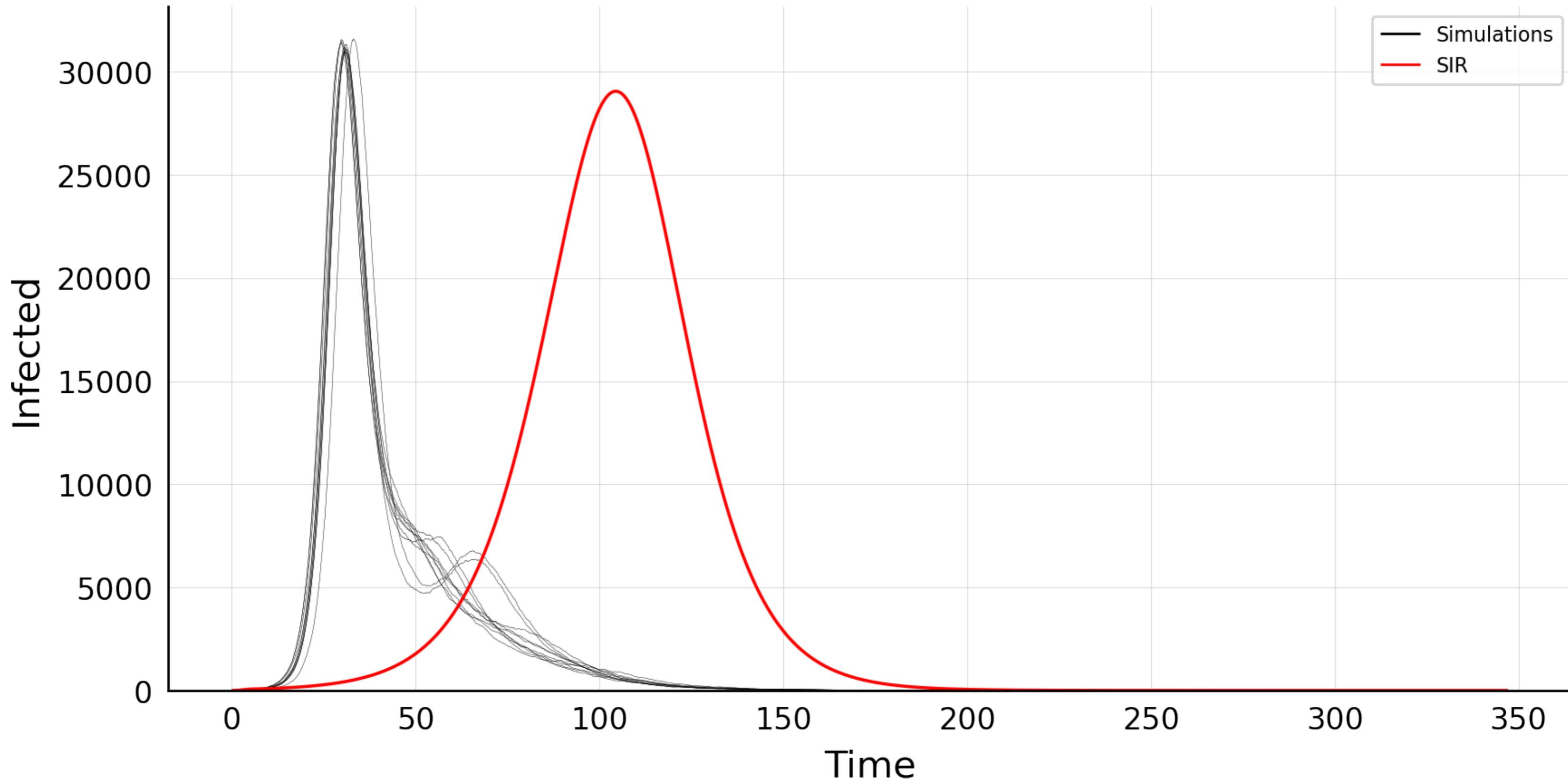


$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $N_{\text{ages}} = 1$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, $\rho = 400.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, $\epsilon_\rho = 0.01$, $\beta_{\text{scaling}} = 1.0$, $\text{age}_{\text{mixing}} = 1.0$, $\text{algo} = 1$, $\#10$

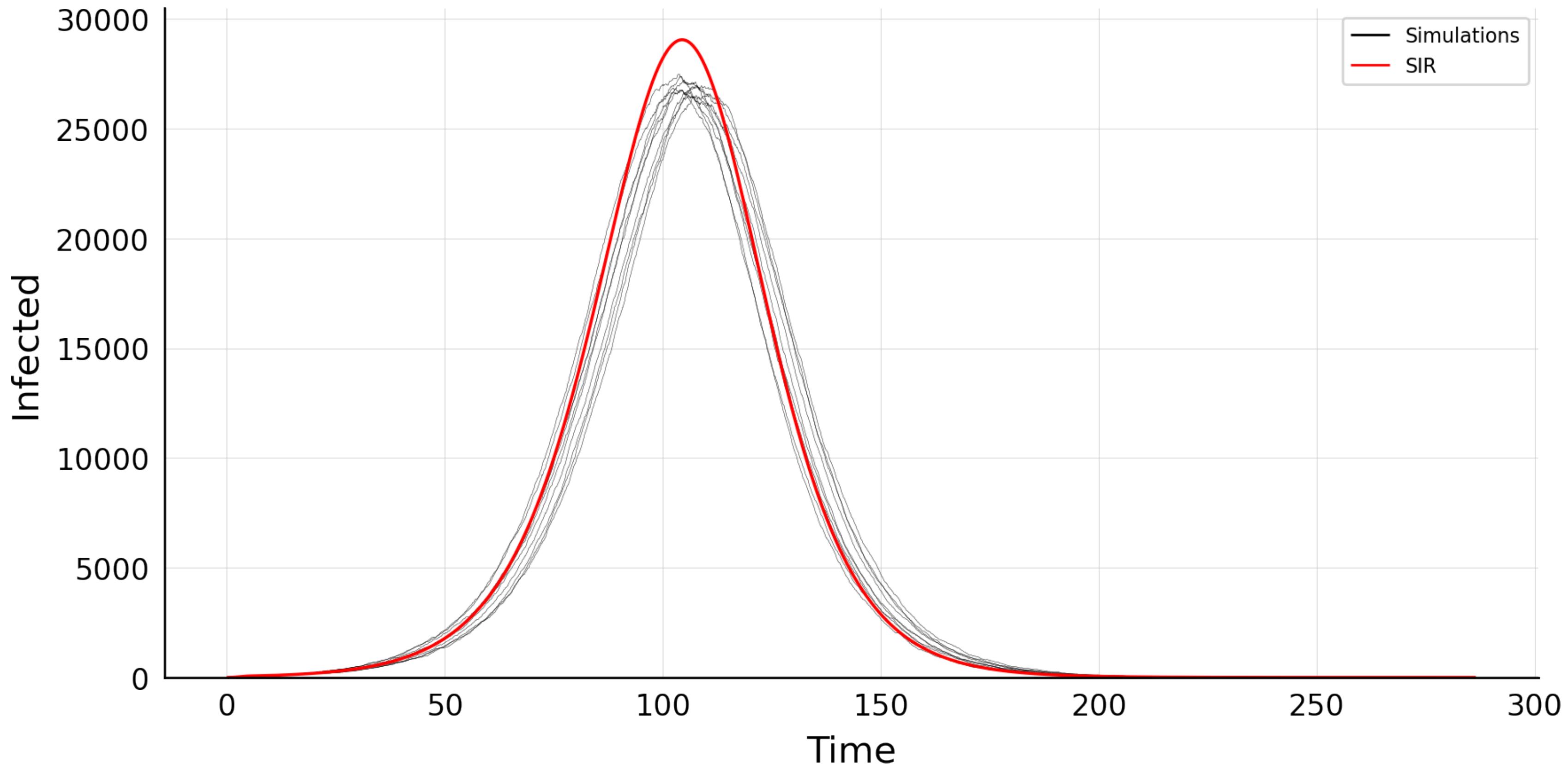


$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $N_{\text{ages}} = 1$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, $\rho = 400.0$

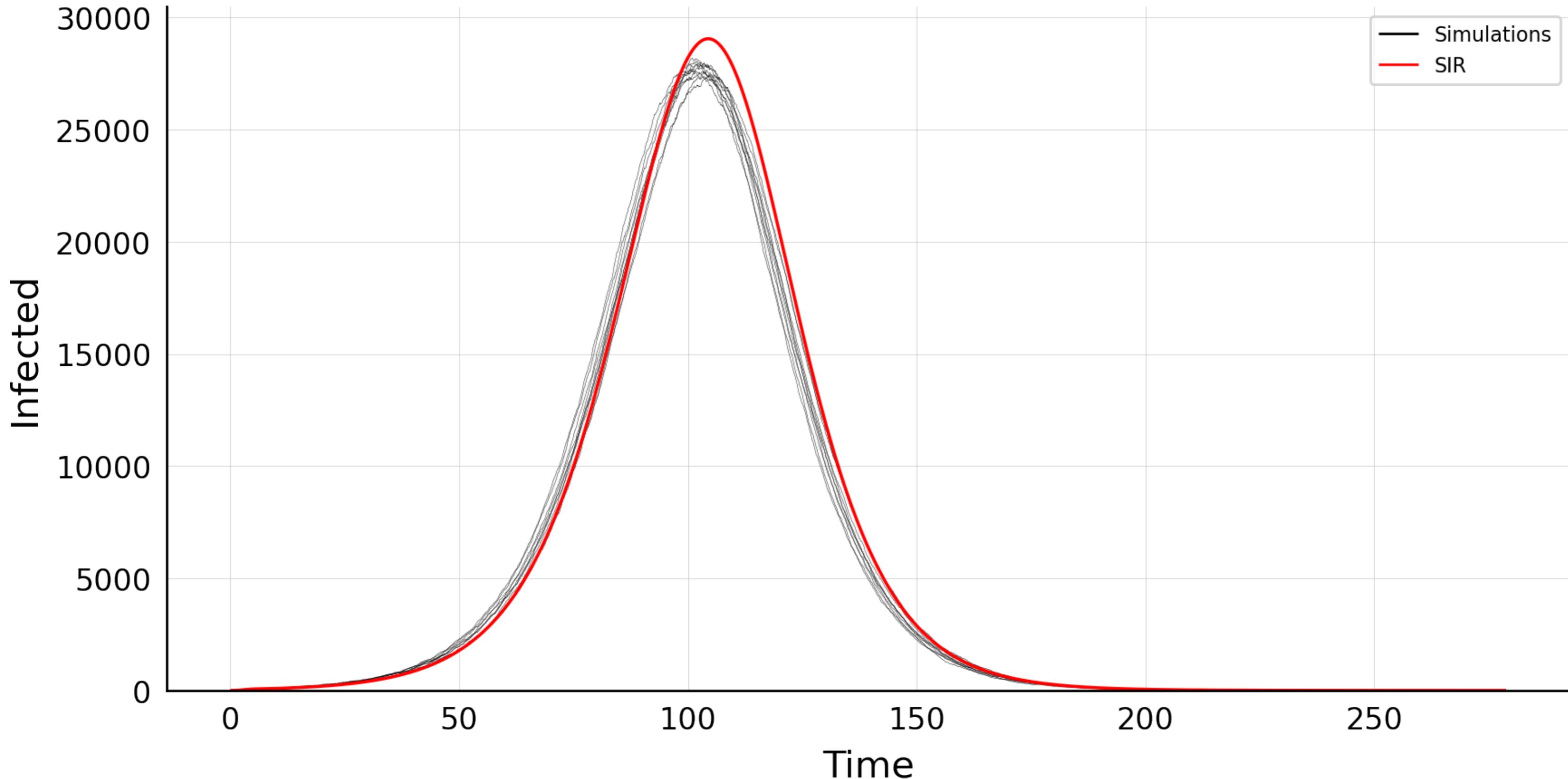
$\lambda_E = 1.0$, $\lambda_I = 1.0$, $\epsilon_\rho = 0.01$, $\beta_{\text{scaling}} = 1.0$, $\text{age}_{\text{mixing}} = 1.0$, $\text{algo} = 2$, #10



$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $N_{\text{ages}} = 1$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, $\rho = 5.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, $\epsilon_\rho = 0.01$, $\beta_{\text{scaling}} = 1.0$, $\text{age}_{\text{mixing}} = 1.0$, $\text{algo} = 1$, $\#10$

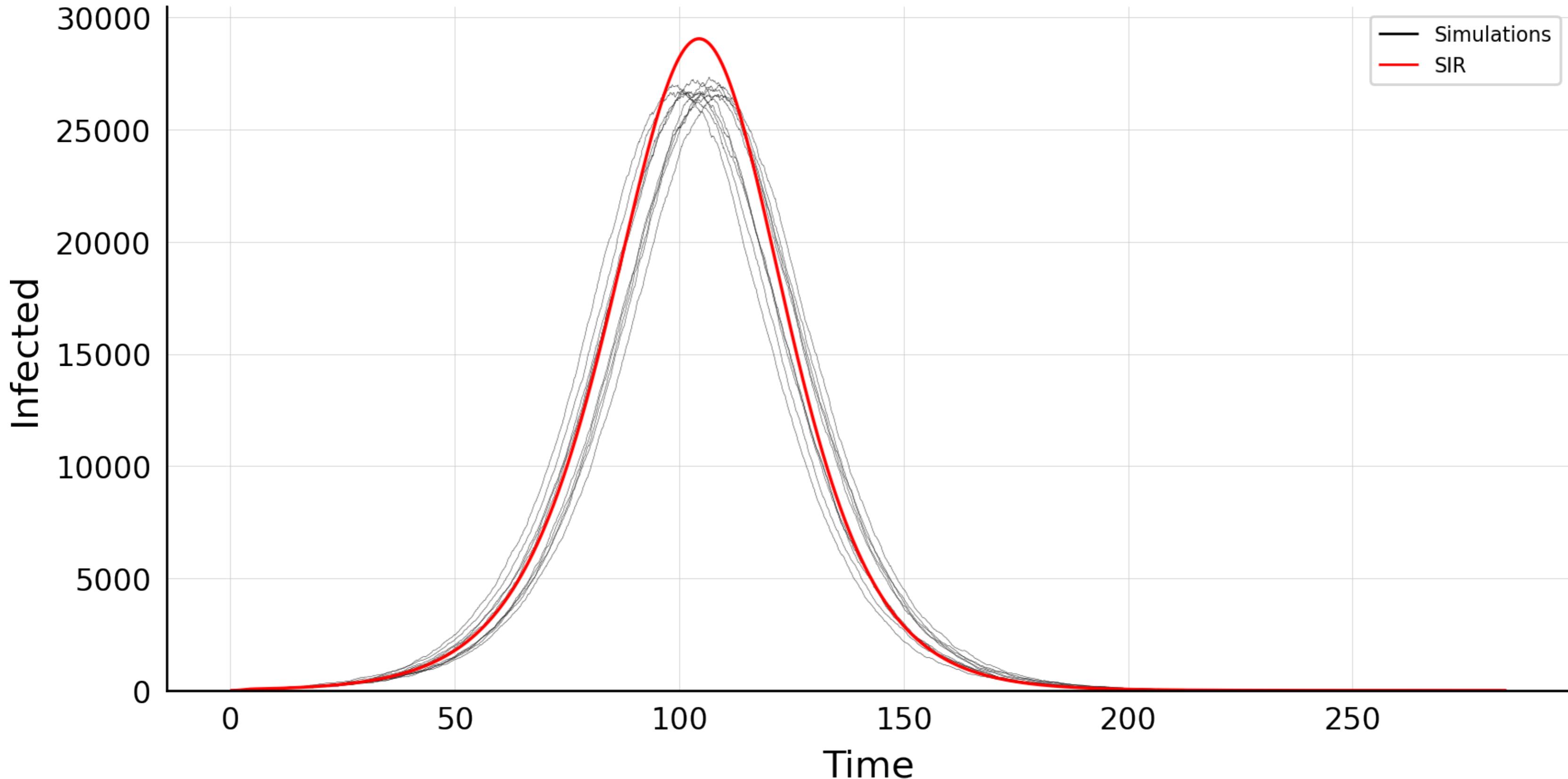


$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $N_{\text{ages}} = 1$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, $\rho = 5.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, $\epsilon_\rho = 0.01$, $\beta_{\text{scaling}} = 1.0$, $\text{age}_{\text{mixing}} = 1.0$, $\text{algo} = 2$, #10



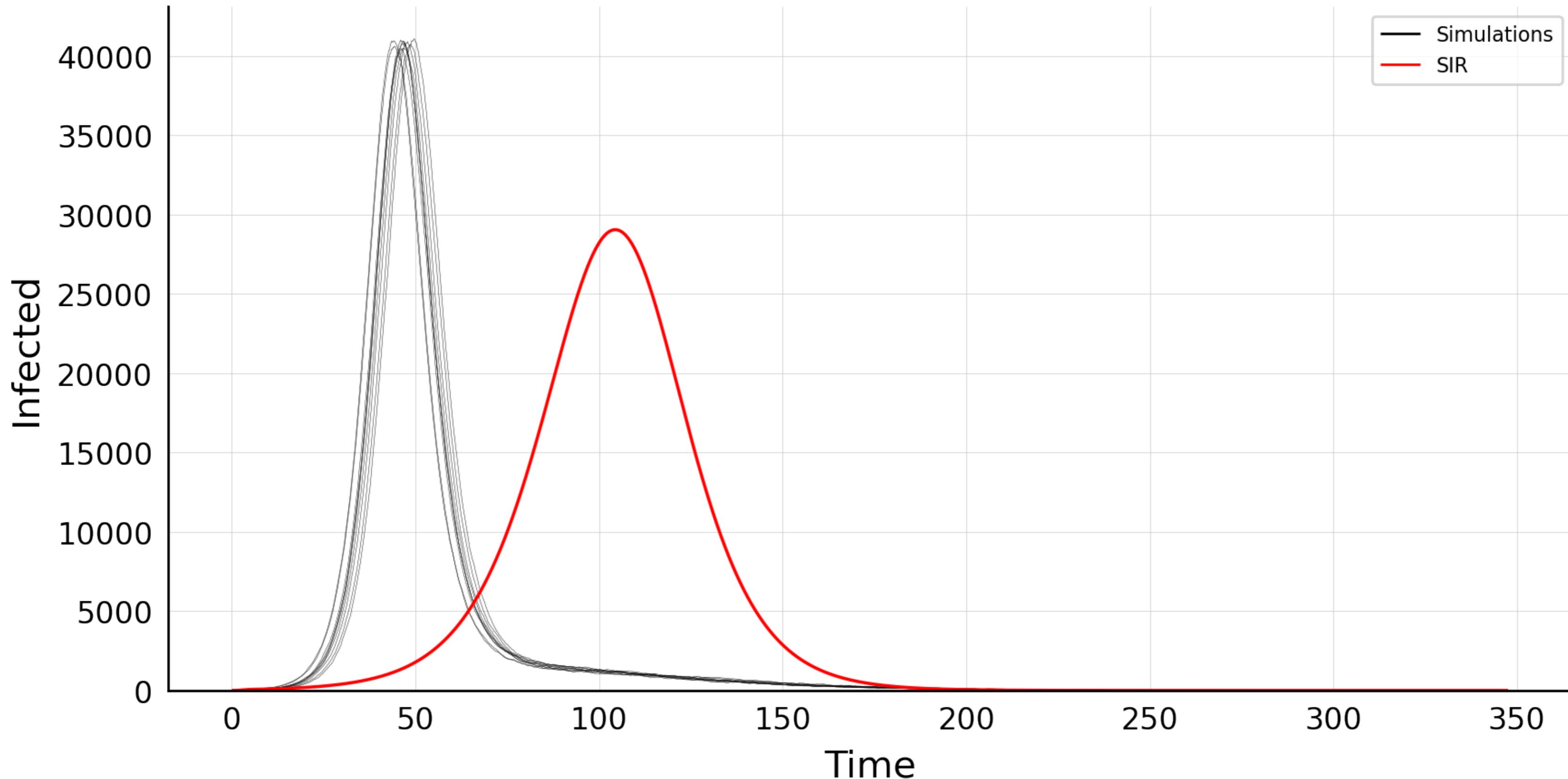
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $N_{\text{ages}} = 1$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, $\rho = 50.0$

$\lambda_E = 1.0$, $\lambda_I = 1.0$, $\epsilon_\rho = 0.01$, $\beta_{\text{scaling}} = 1.0$, $\text{age}_{\text{mixing}} = 1.0$, $\text{algo} = 1$, $\#10$



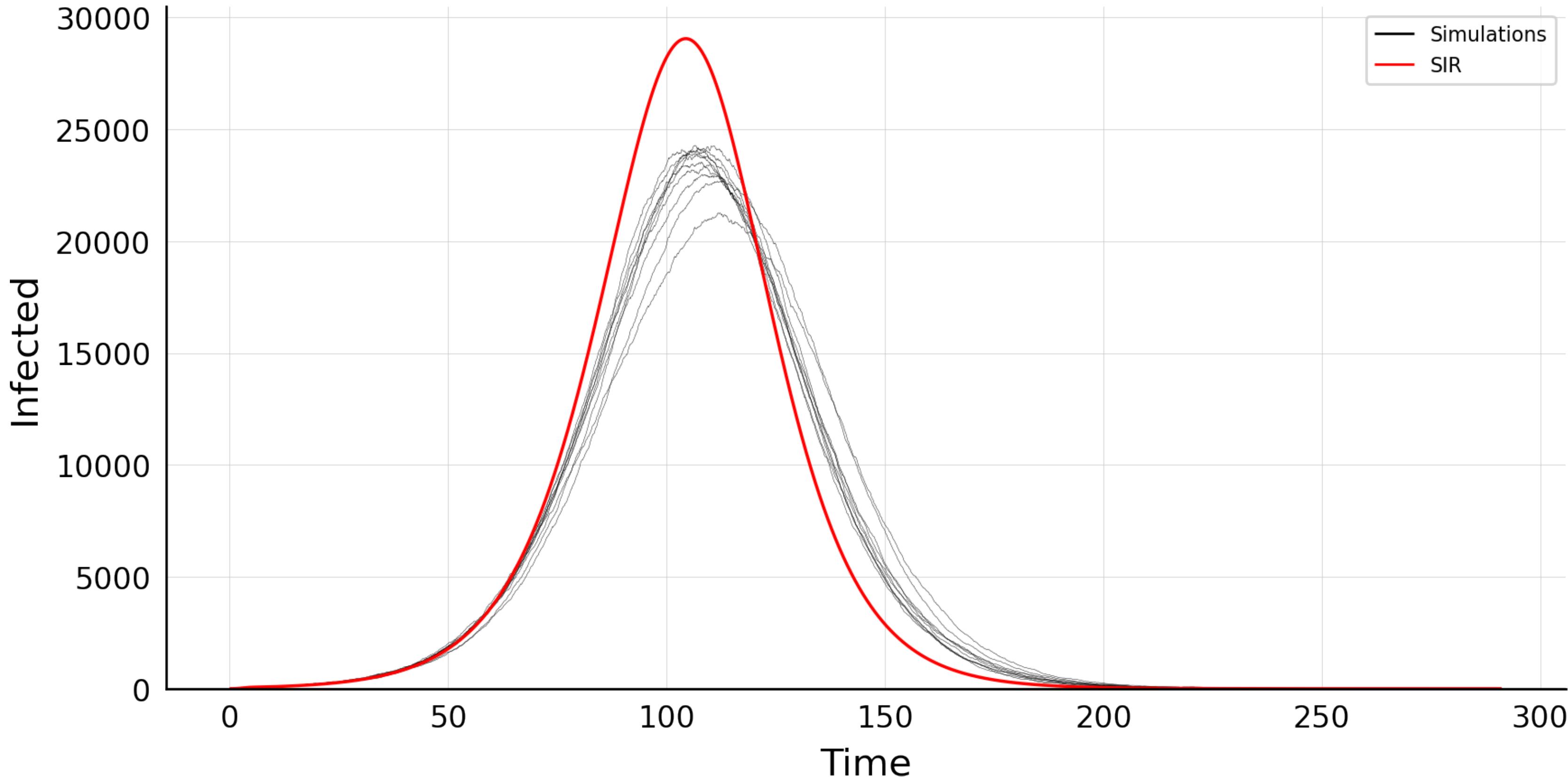
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$\lambda_E = 1.0$, $\lambda_I = 1.0$, $\epsilon_\rho = 0.01$, $\beta_{\text{scaling}} = 1.0$, $\text{age}_{\text{mixing}} = 1.0$, $\text{algo} = 2$, #10



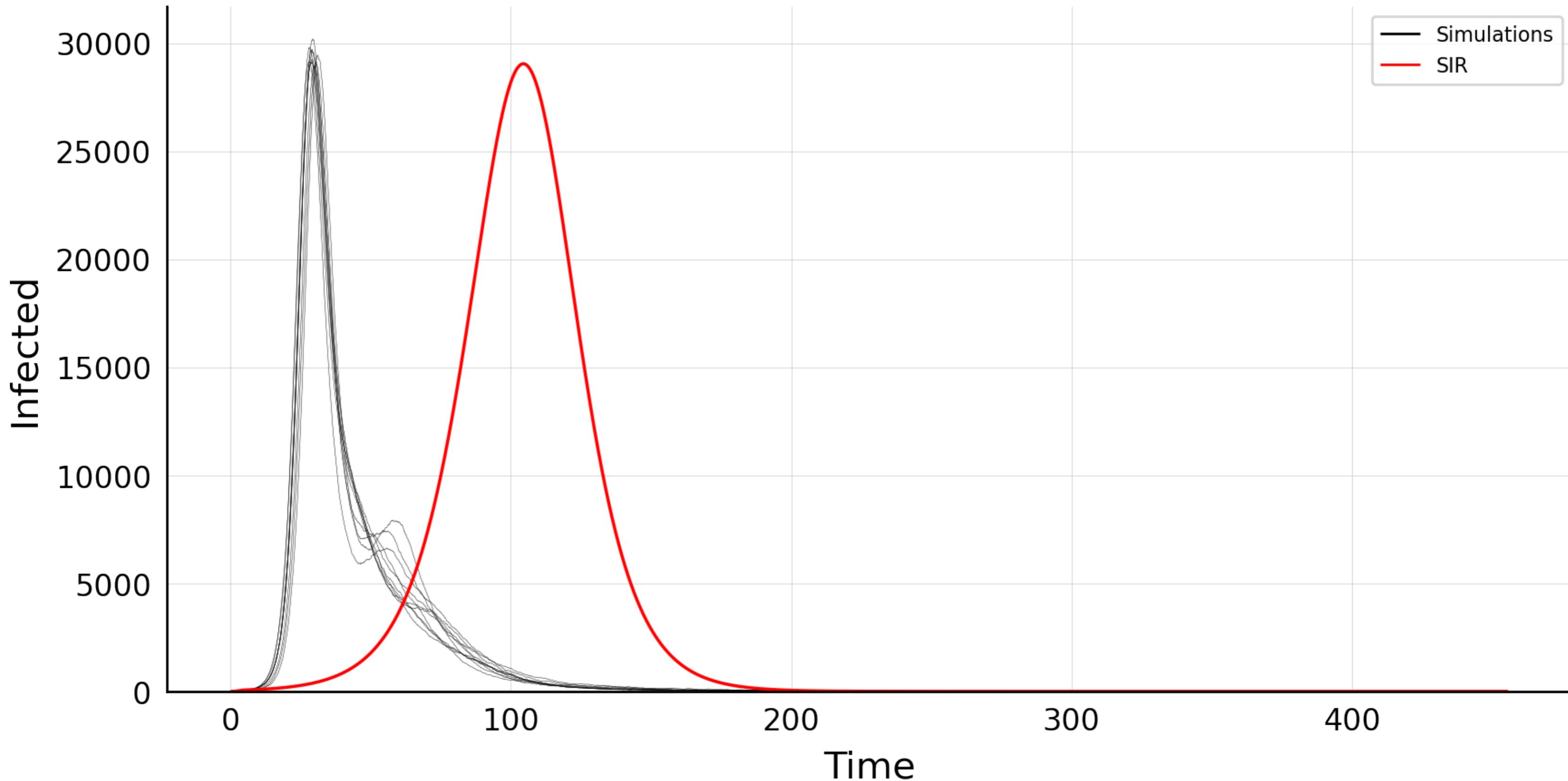
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $N_{\text{ages}} = 1$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, $\rho = 500.0$

$\lambda_E = 1.0$, $\lambda_I = 1.0$, $\epsilon_\rho = 0.01$, $\beta_{\text{scaling}} = 1.0$, $\text{age}_{\text{mixing}} = 1.0$, $\text{algo} = 1$, $\#10$



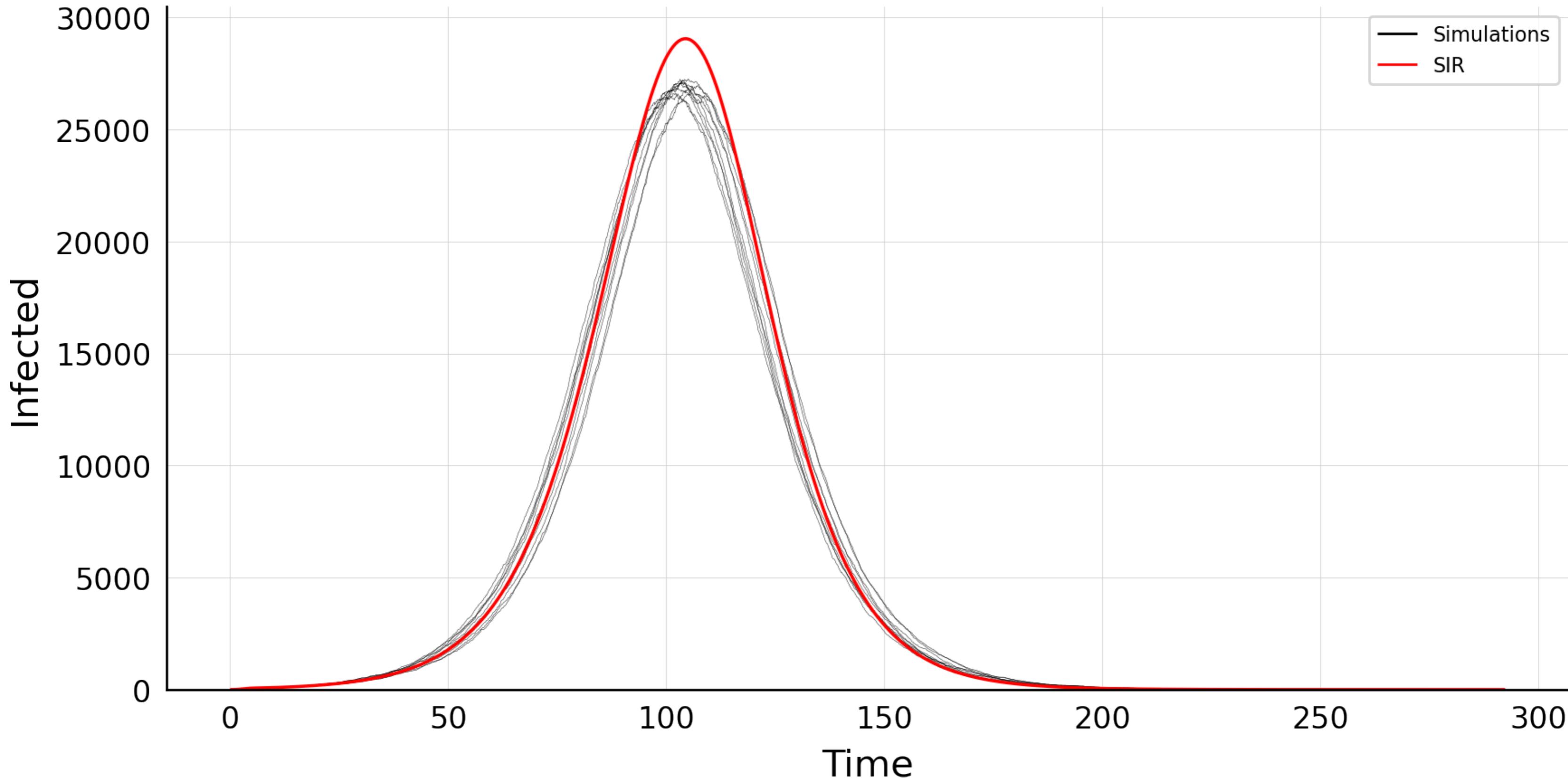
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$\lambda_E = 1.0$, $\lambda_I = 1.0$, $\epsilon_\rho = 0.01$, $\beta_{\text{scaling}} = 1.0$, $\text{age}_{\text{mixing}} = 1.0$, $\text{algo} = 2$, #10



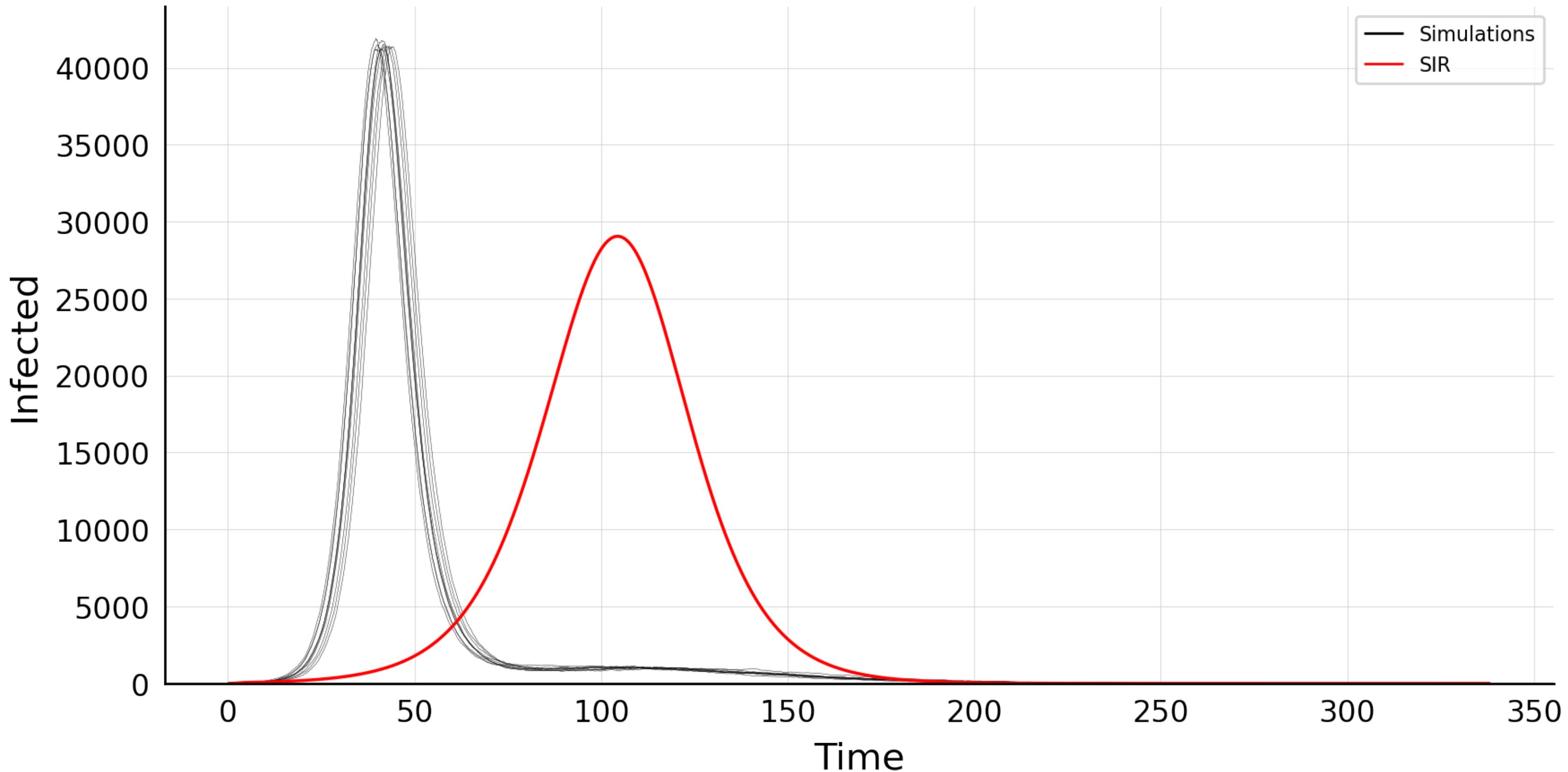
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$\lambda_E = 1.0$, $\lambda_I = 1.0$, $\epsilon_\rho = 0.01$, $\beta_{\text{scaling}} = 1.0$, $\text{age}_{\text{mixing}} = 1.0$, $\text{algo} = 1$, $\#10$

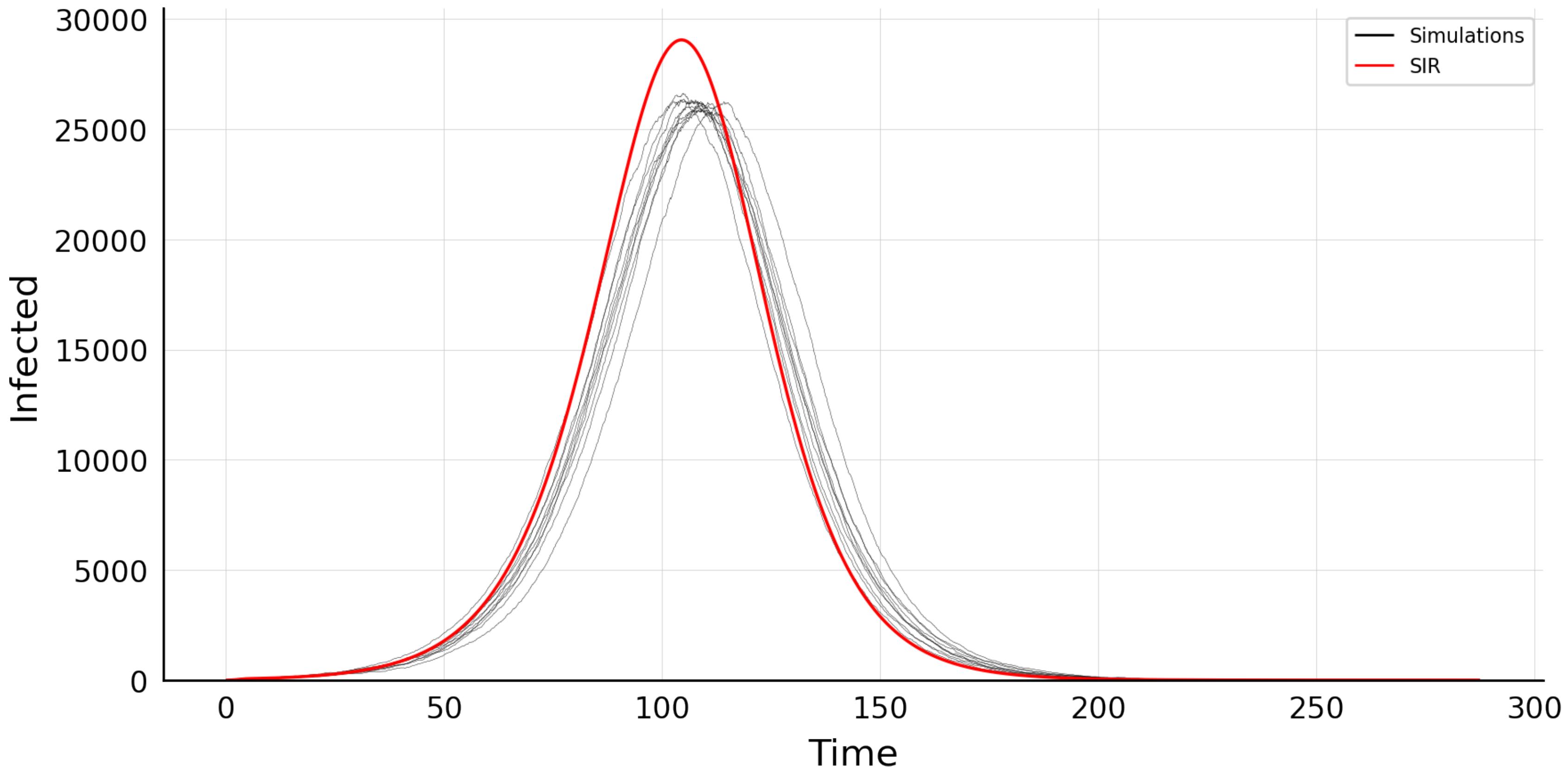


$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $N_{\text{ages}} = 1$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, $\rho = 75.0$

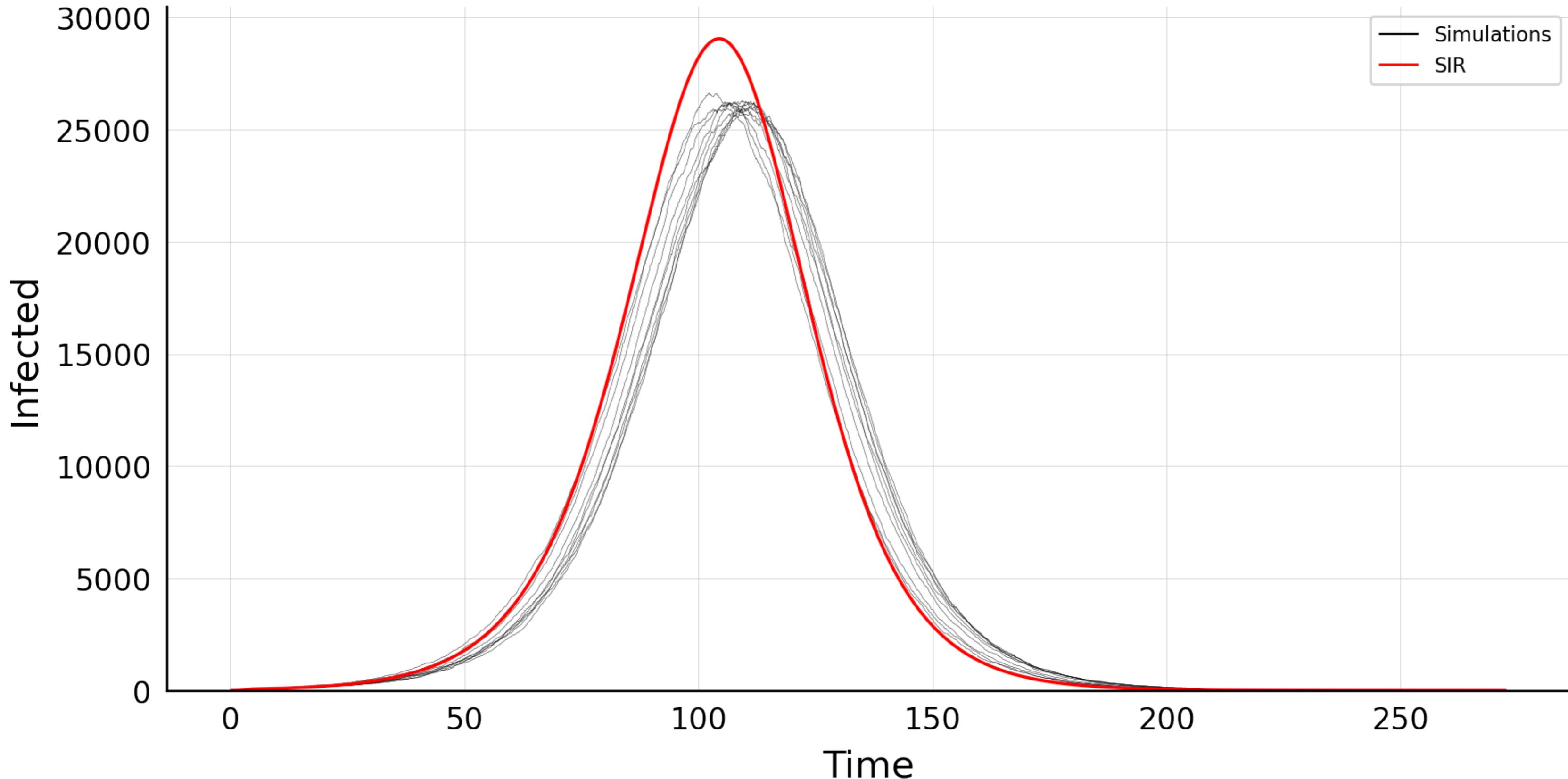
$\lambda_E = 1.0$, $\lambda_I = 1.0$, $\epsilon_\rho = 0.01$, $\beta_{\text{scaling}} = 1.0$, $\text{age}_{\text{mixing}} = 1.0$, $\text{algo} = 2$, #10



$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $N_{\text{ages}} = 1$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.25$, $\rho = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, $\epsilon_\rho = 0.01$, $\beta_{\text{scaling}} = 1.0$, $\text{age}_{\text{mixing}} = 1.0$, $\text{algo} = 1$, $\#10$

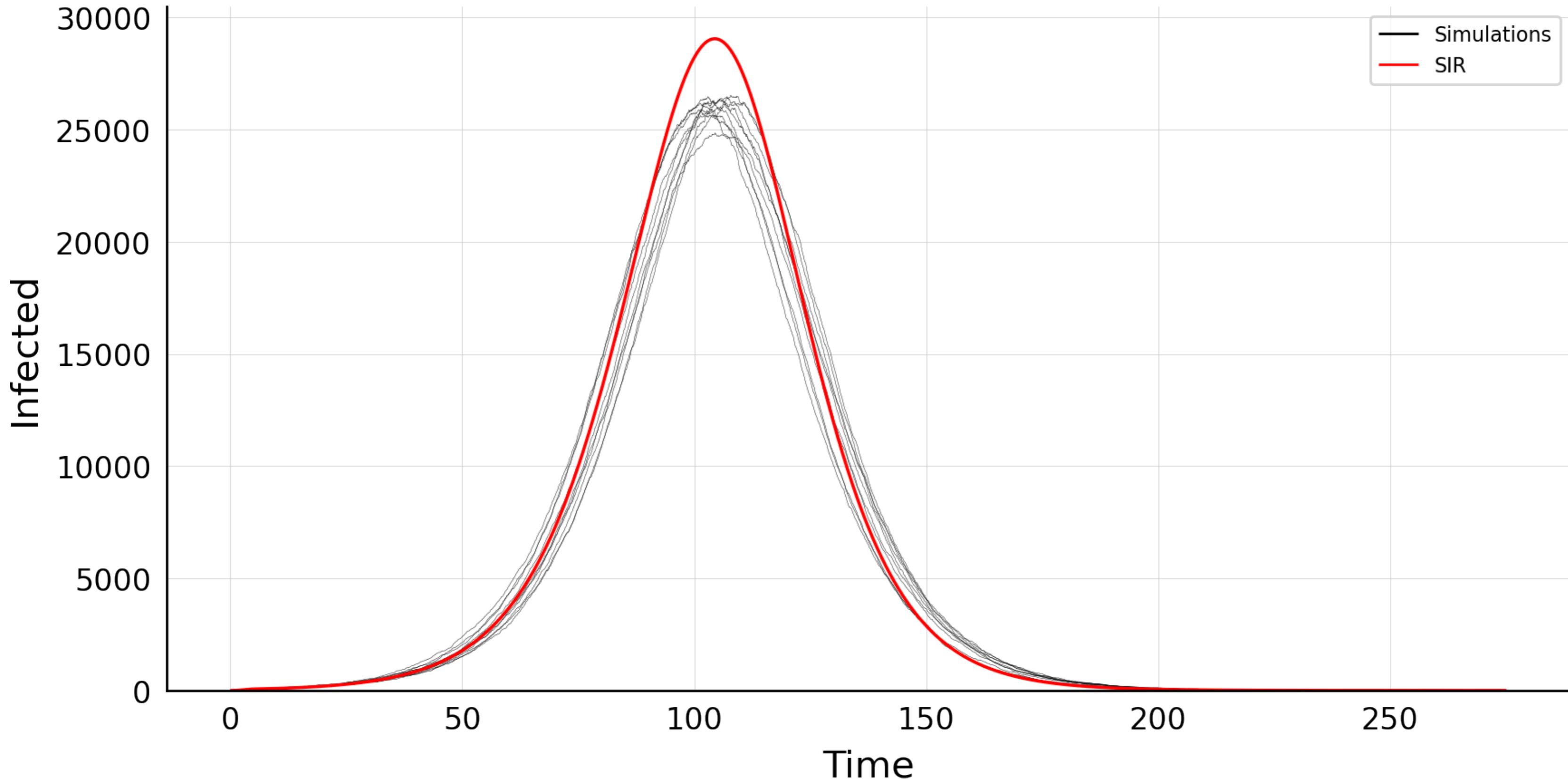


$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $N_{\text{ages}} = 1$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.25$, $\rho = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, $\epsilon_\rho = 0.01$, $\beta_{\text{scaling}} = 1.0$, $\text{age}_{\text{mixing}} = 1.0$, $\text{algo} = 2$, #10



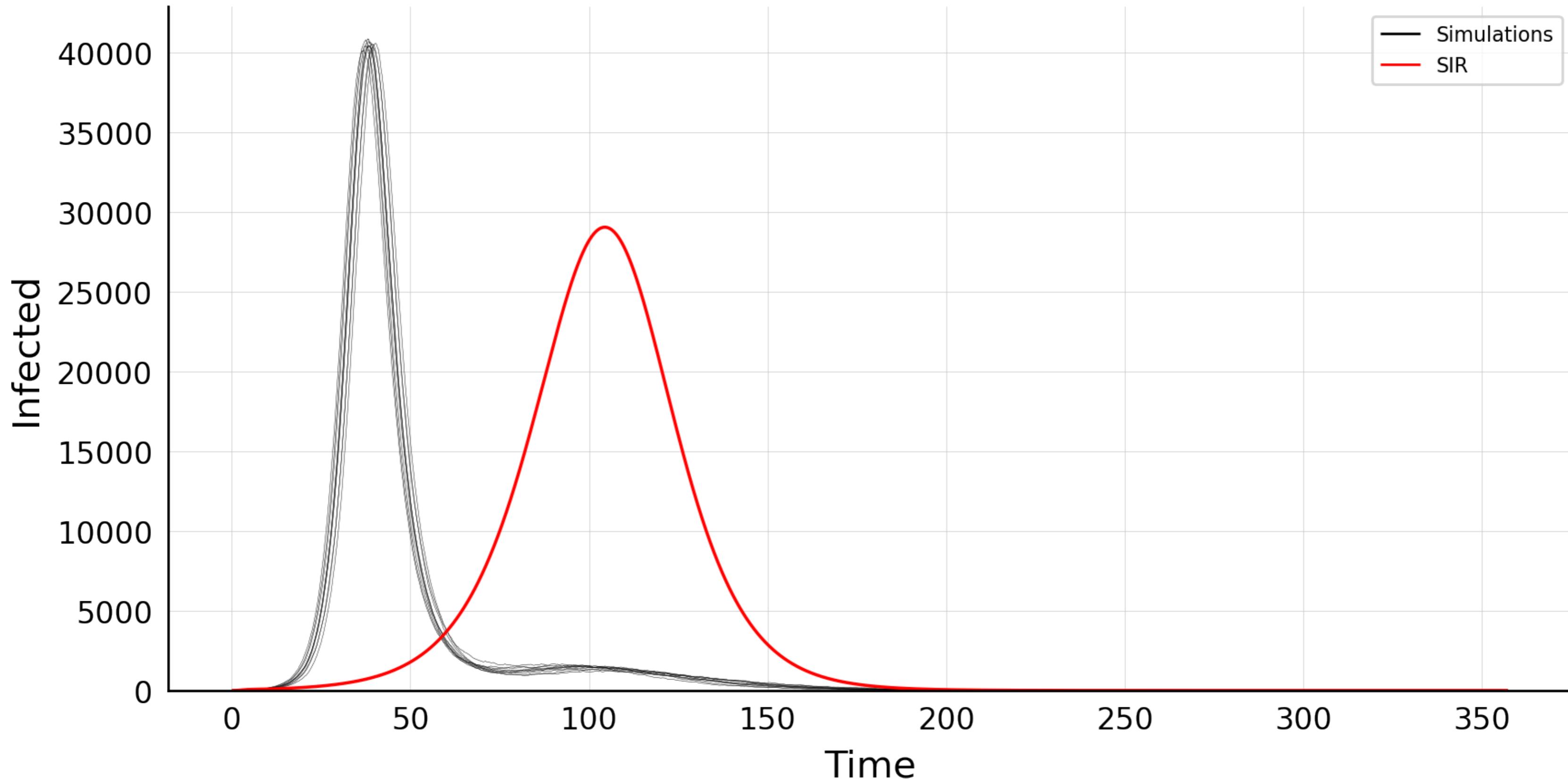
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $N_{\text{ages}} = 1$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.25$, $\rho = 100.0$

$\lambda_E = 1.0$, $\lambda_I = 1.0$, $\epsilon_\rho = 0.01$, $\beta_{\text{scaling}} = 1.0$, $\text{age}_{\text{mixing}} = 1.0$, $\text{algo} = 1$, $\#10$

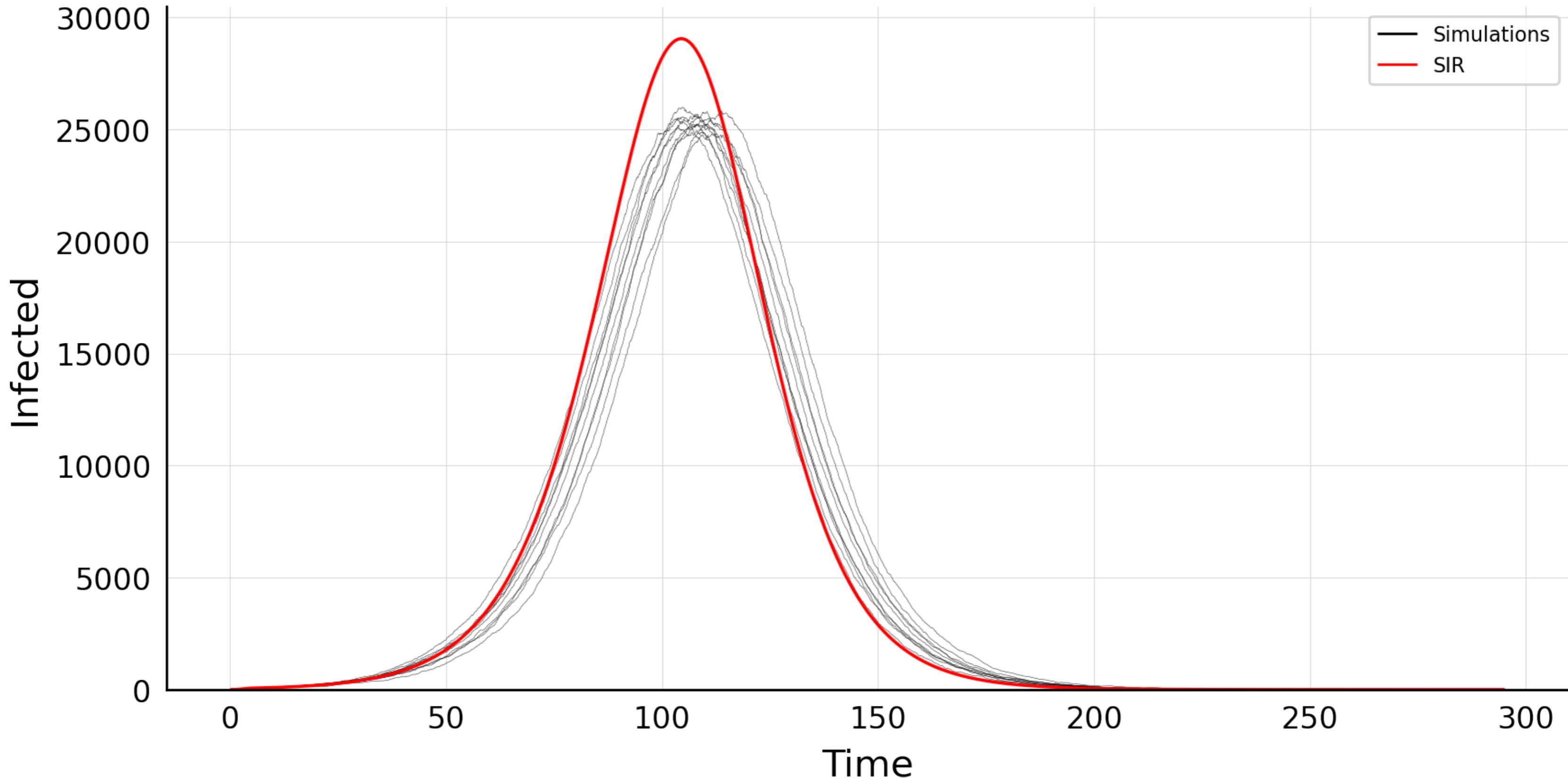


$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $N_{\text{ages}} = 1$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.25$, $\rho = 100.0$

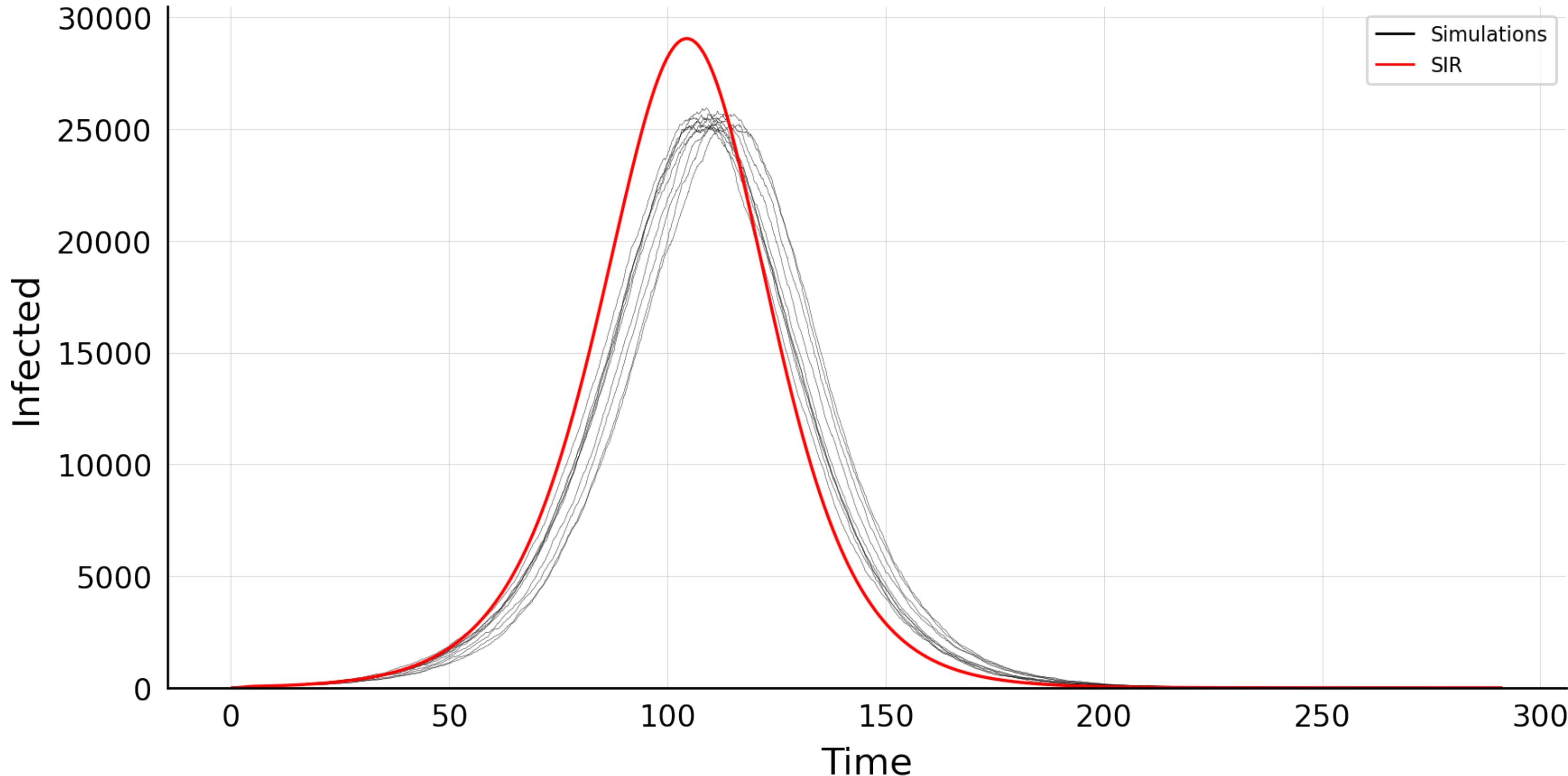
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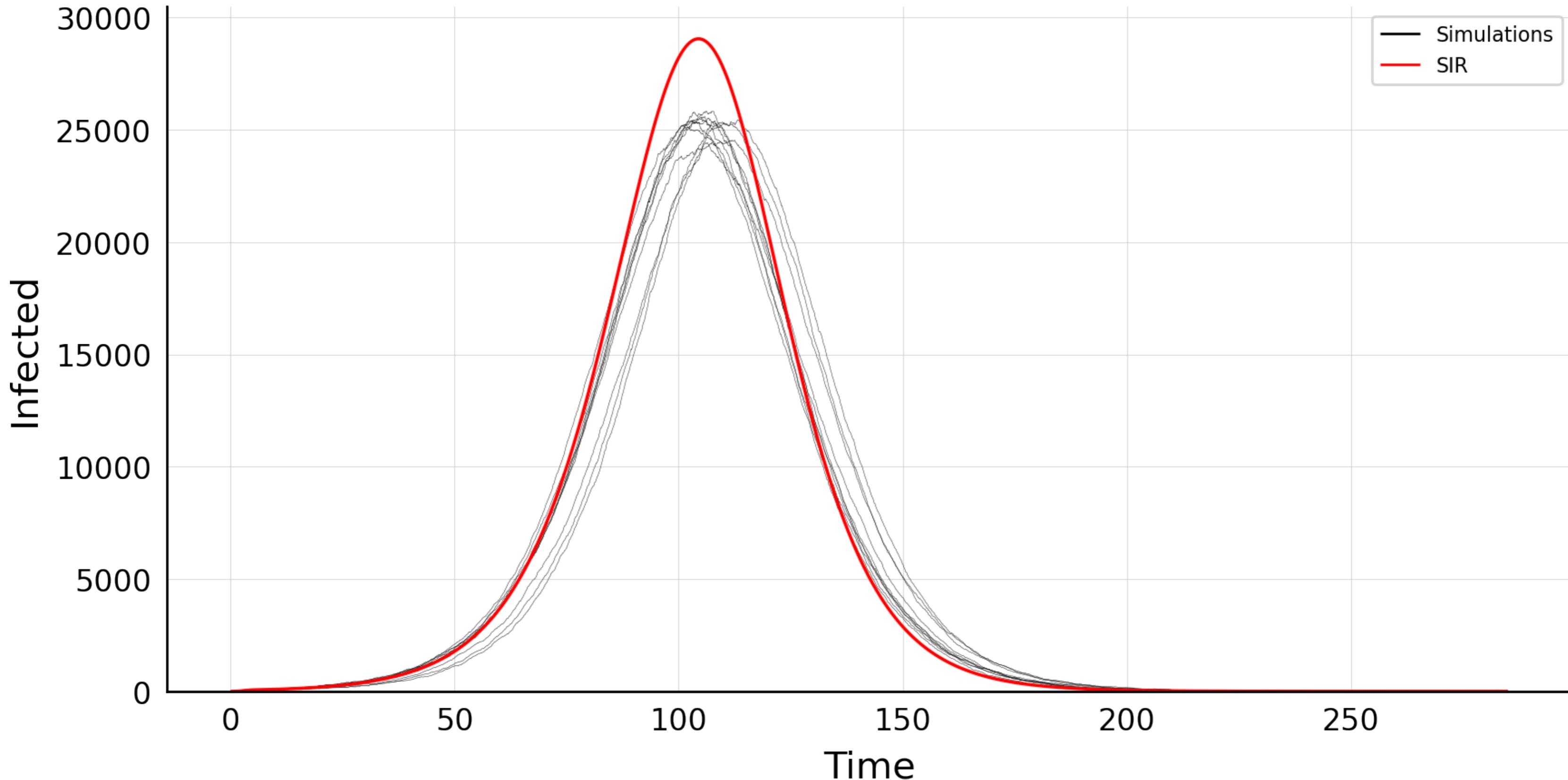
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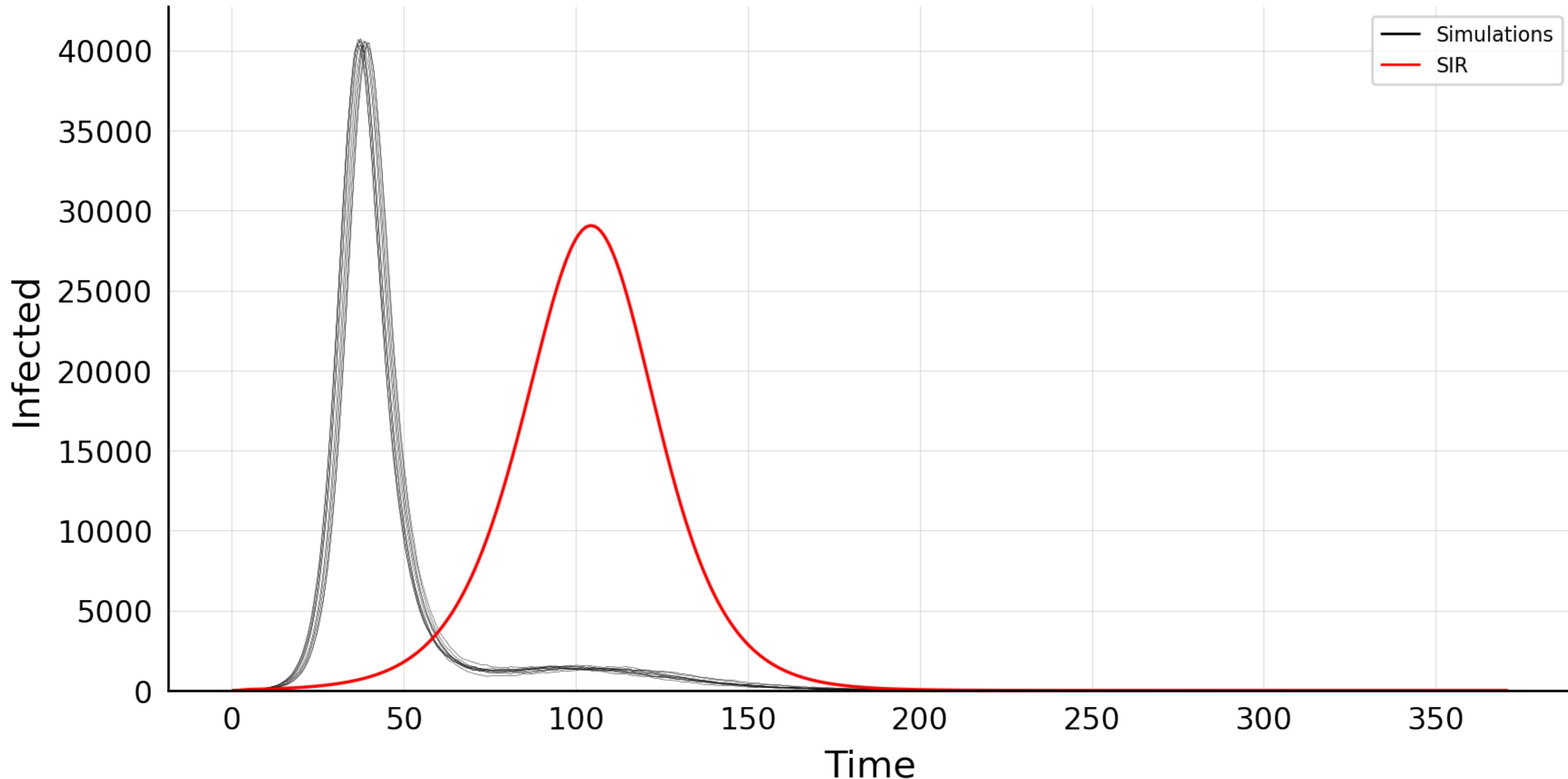


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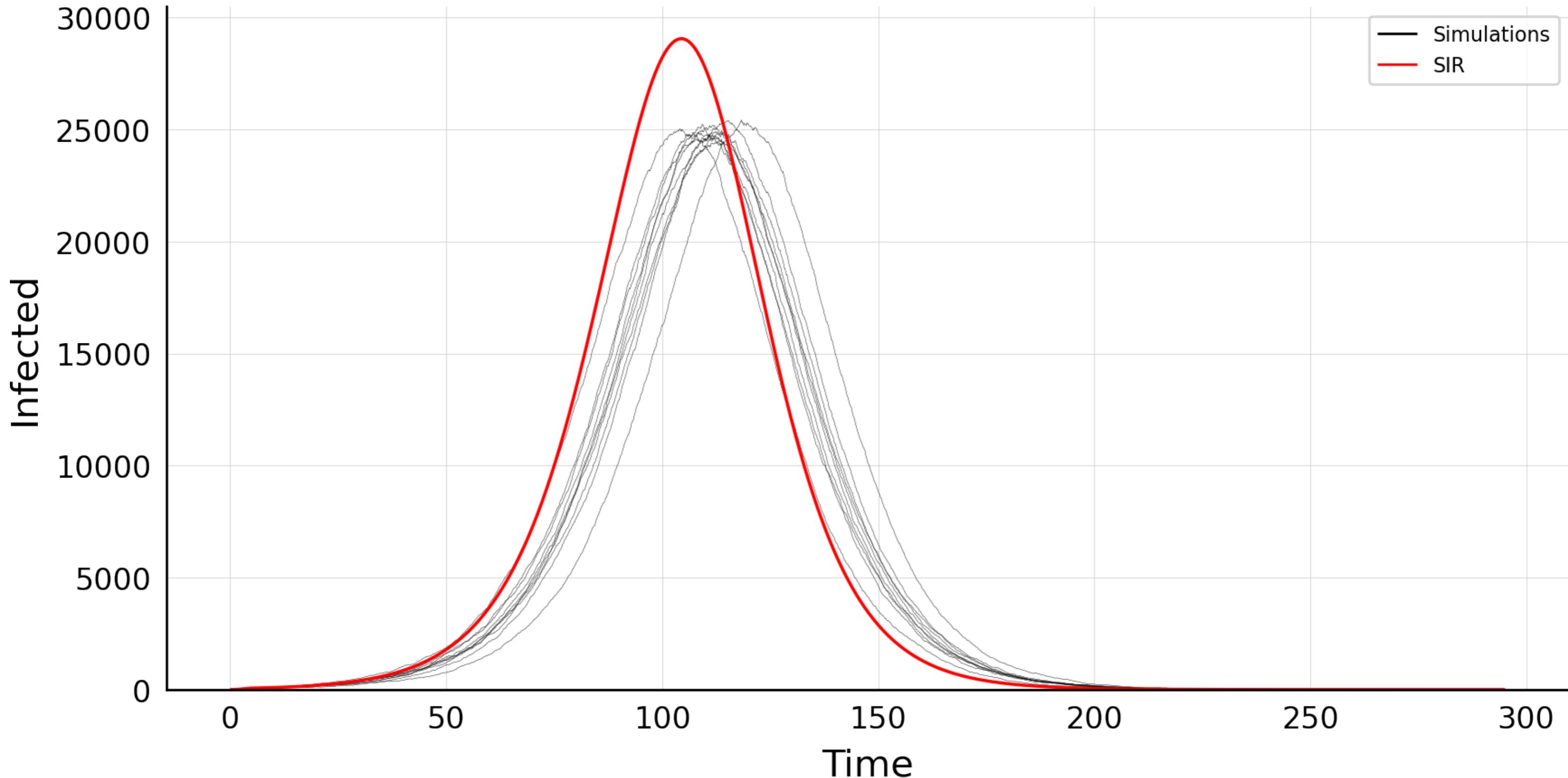


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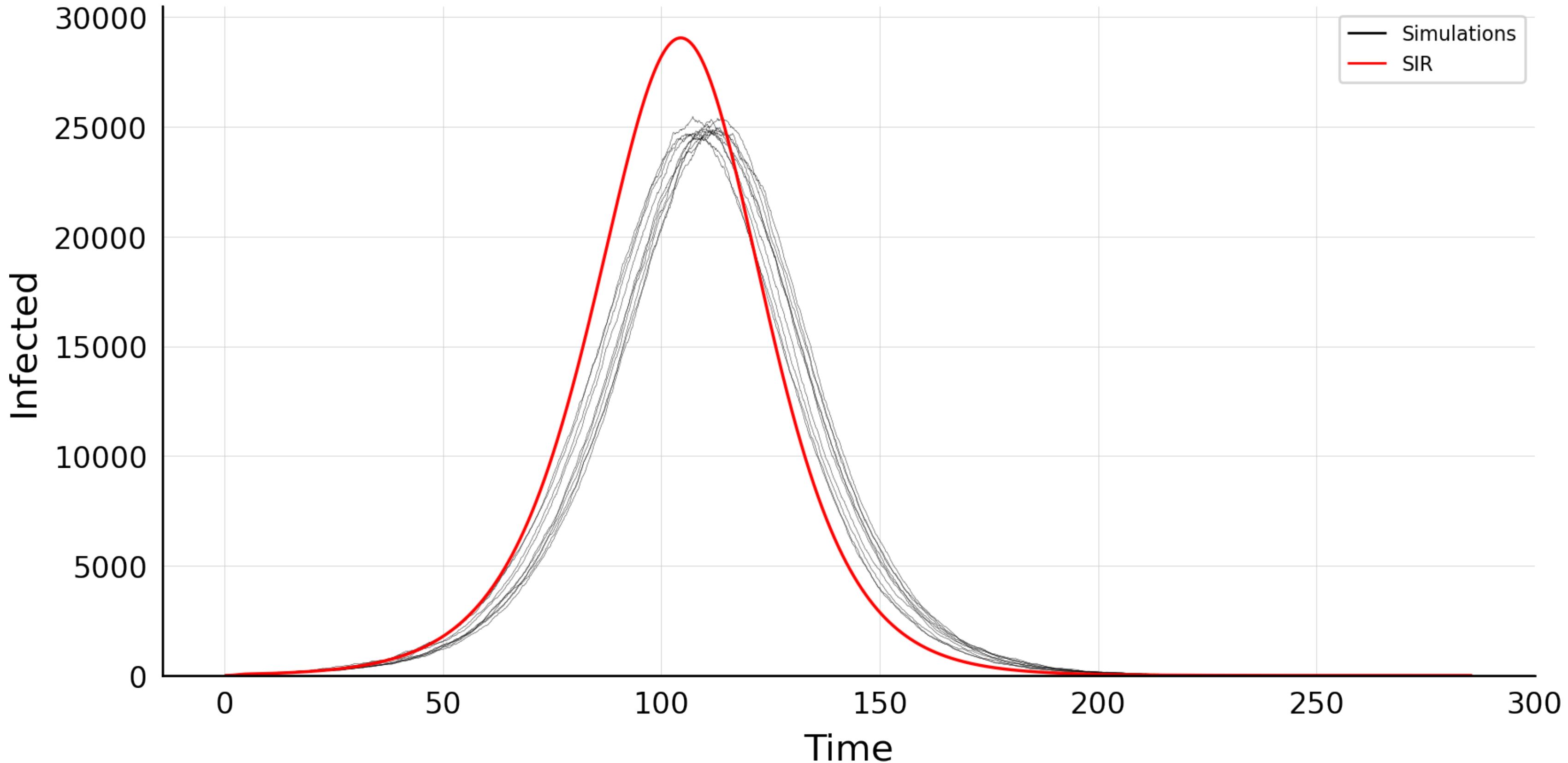
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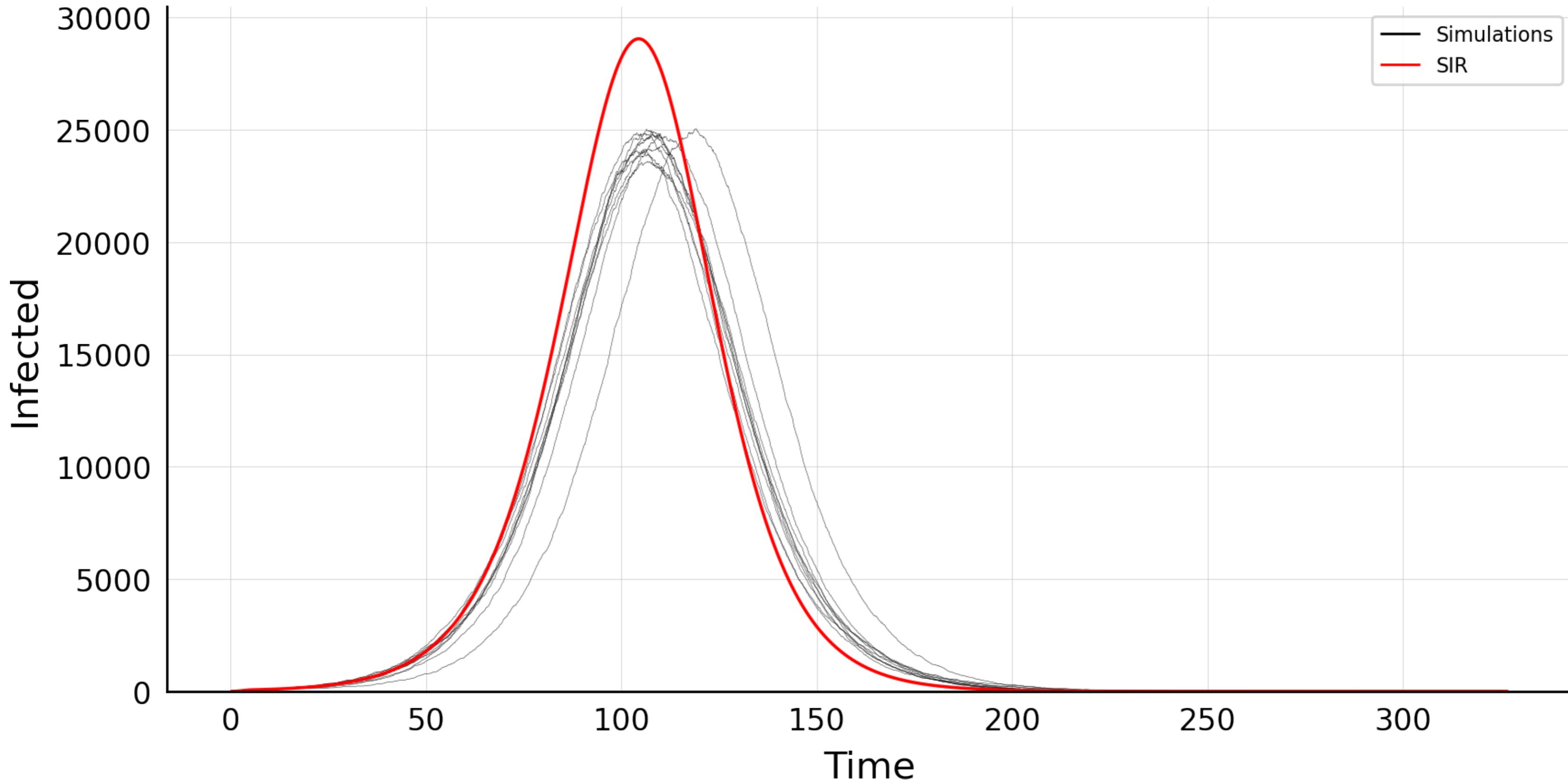


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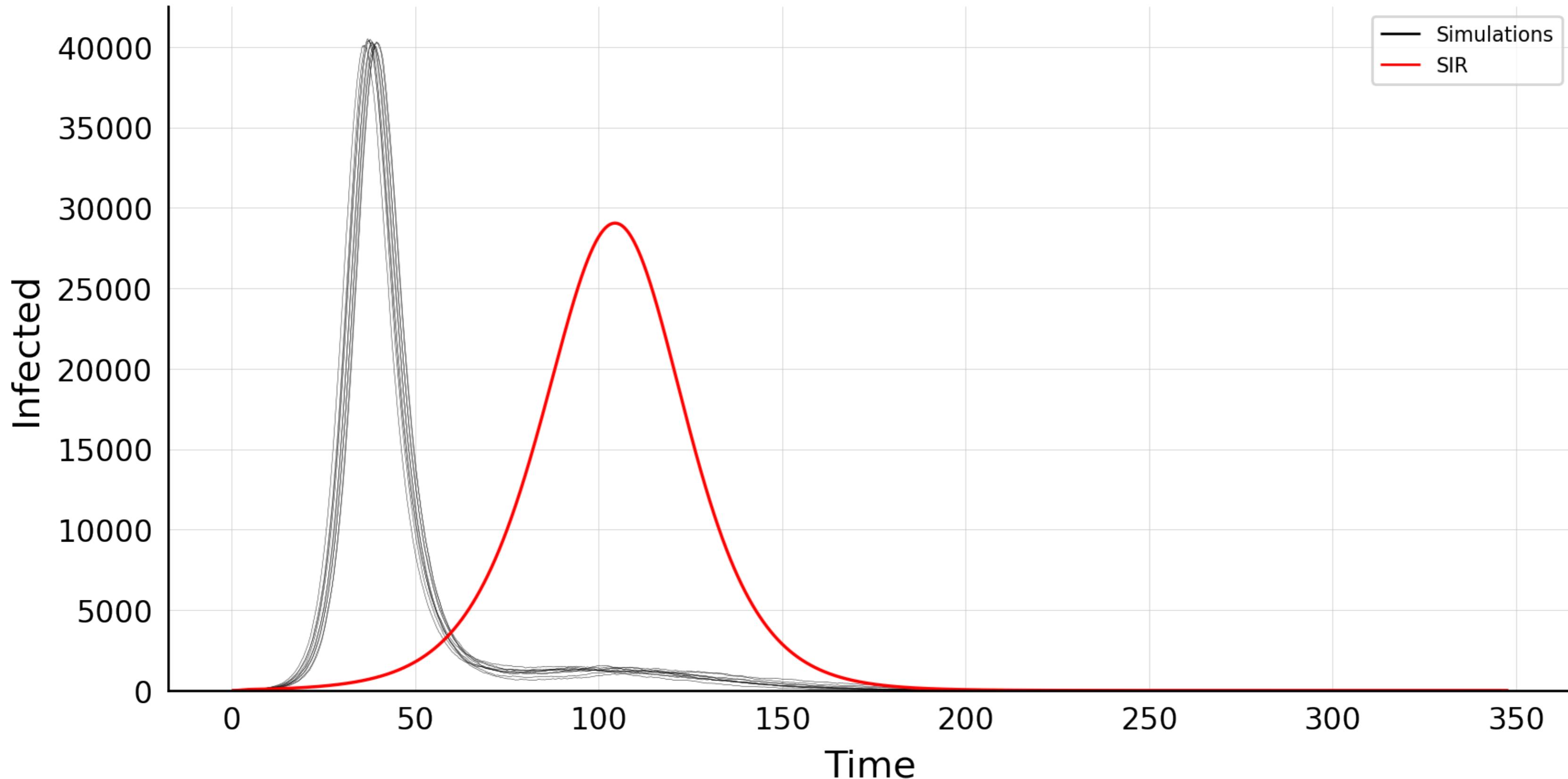
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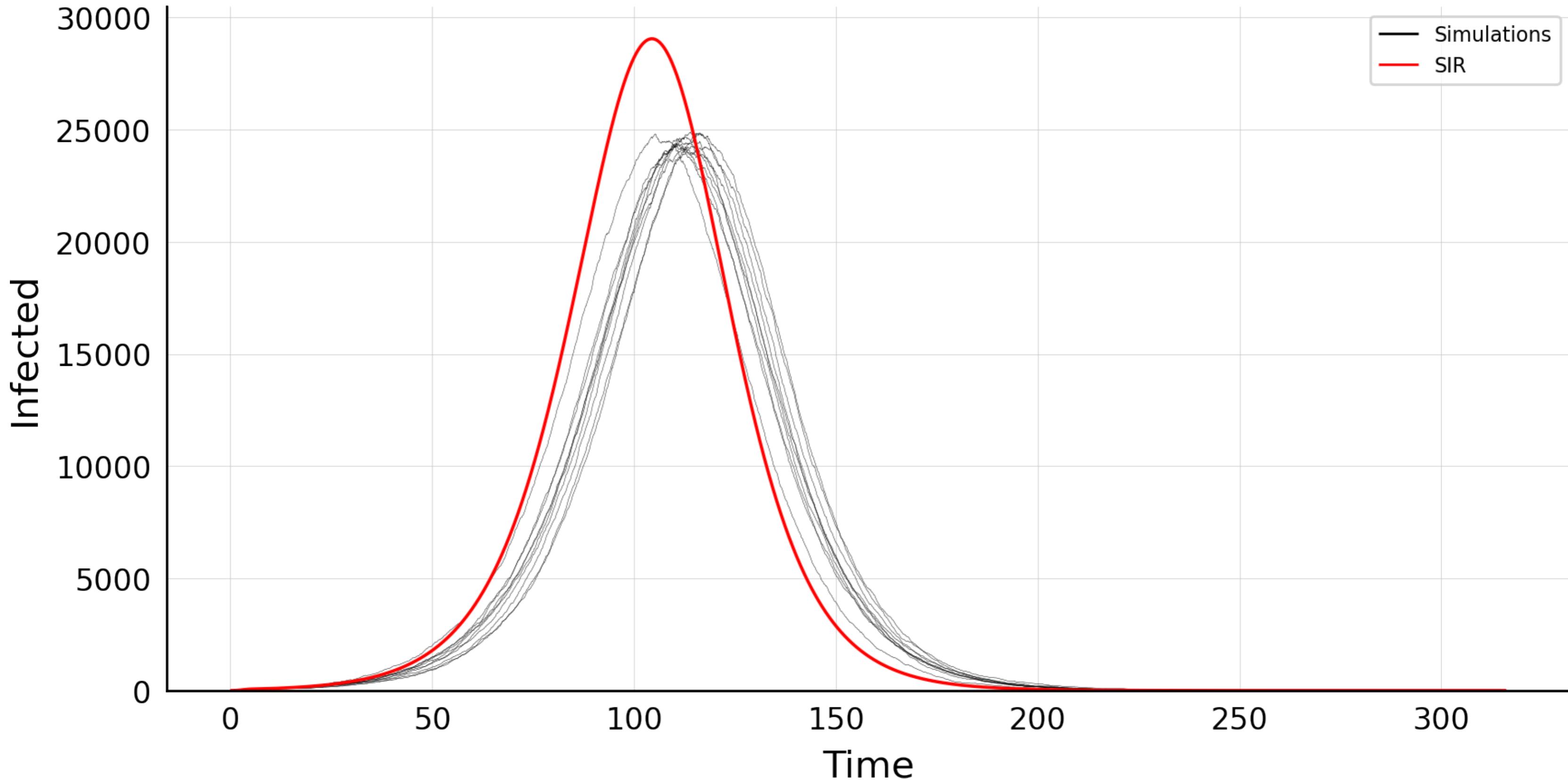


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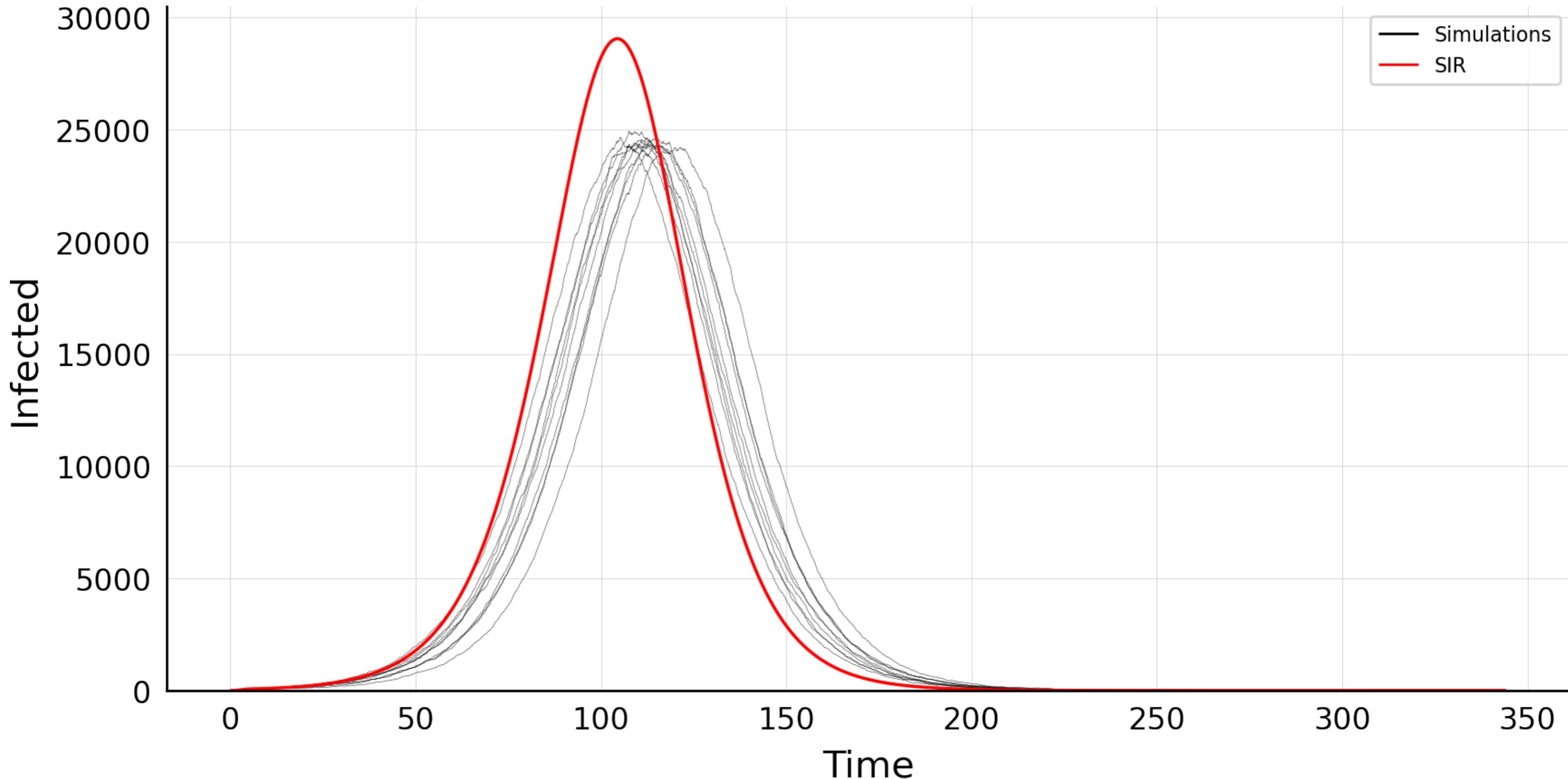
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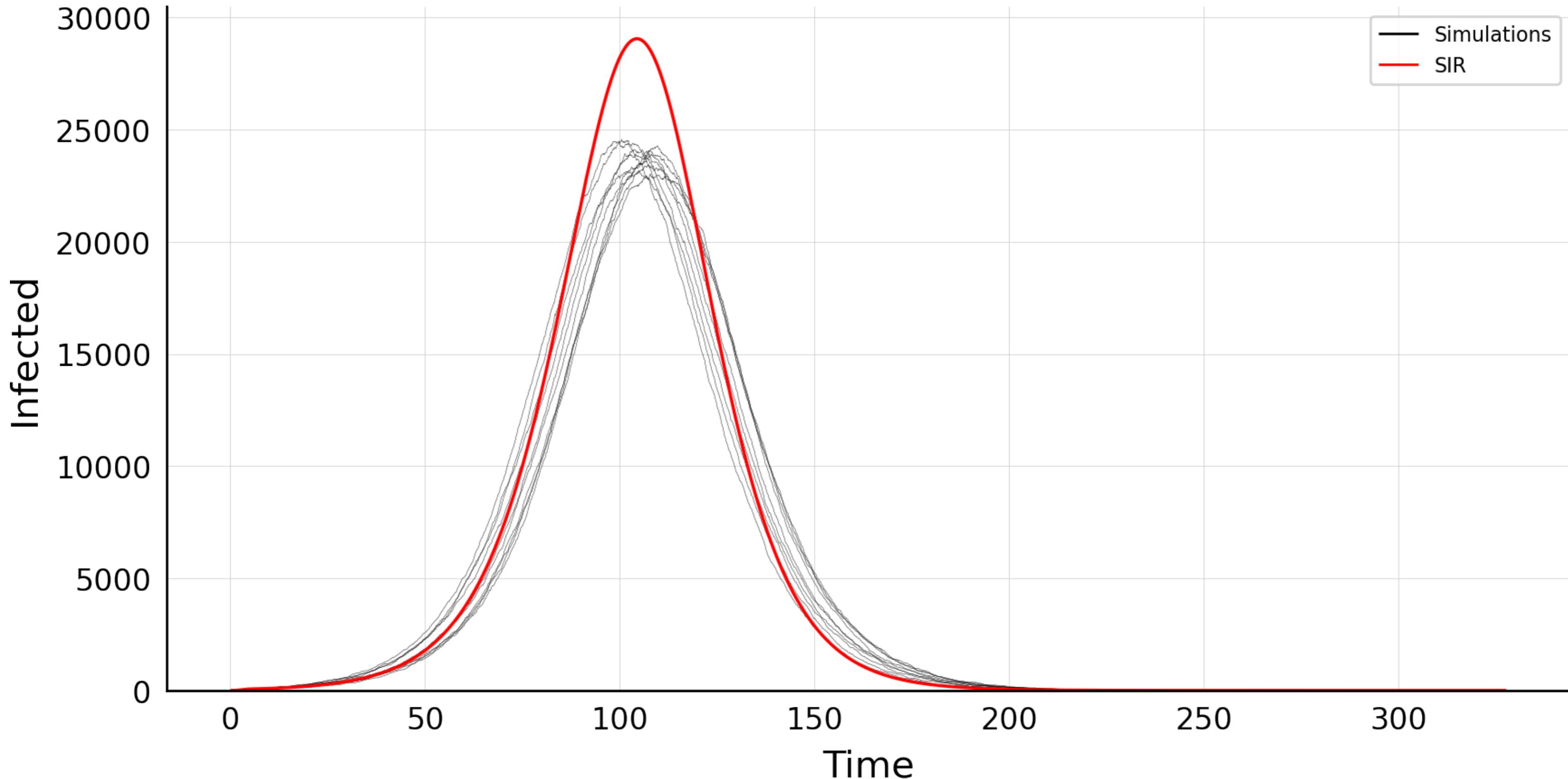
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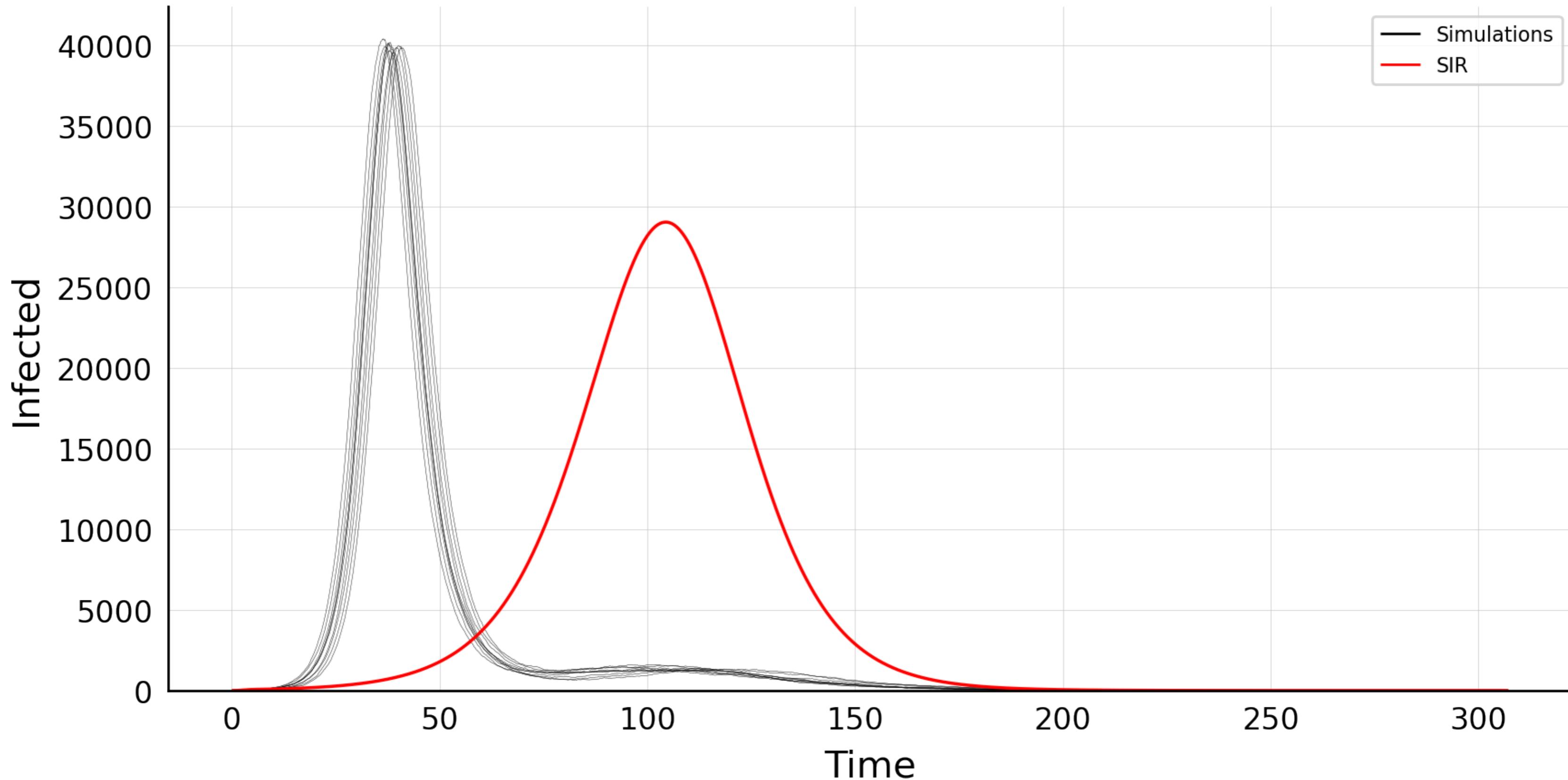
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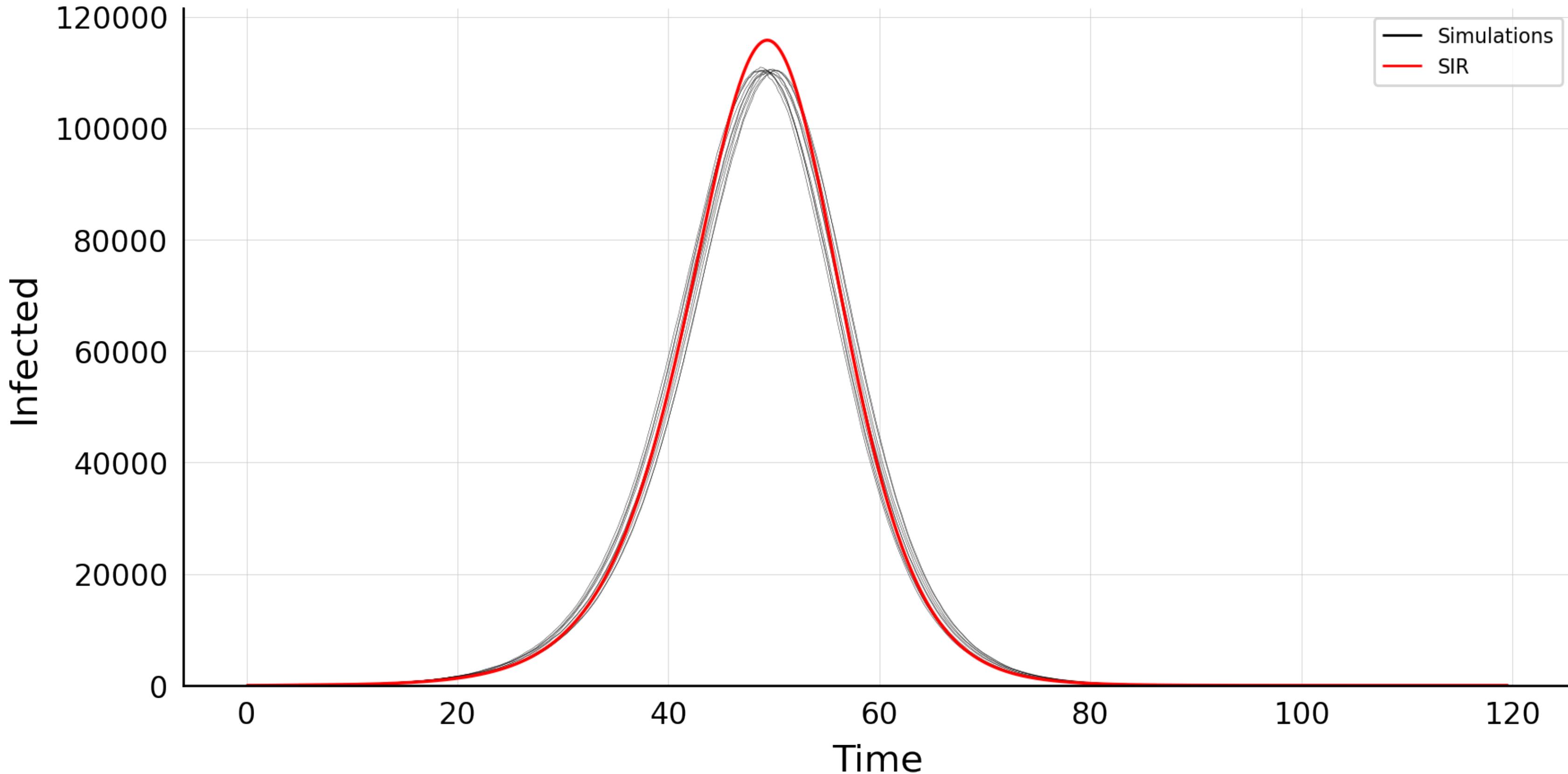
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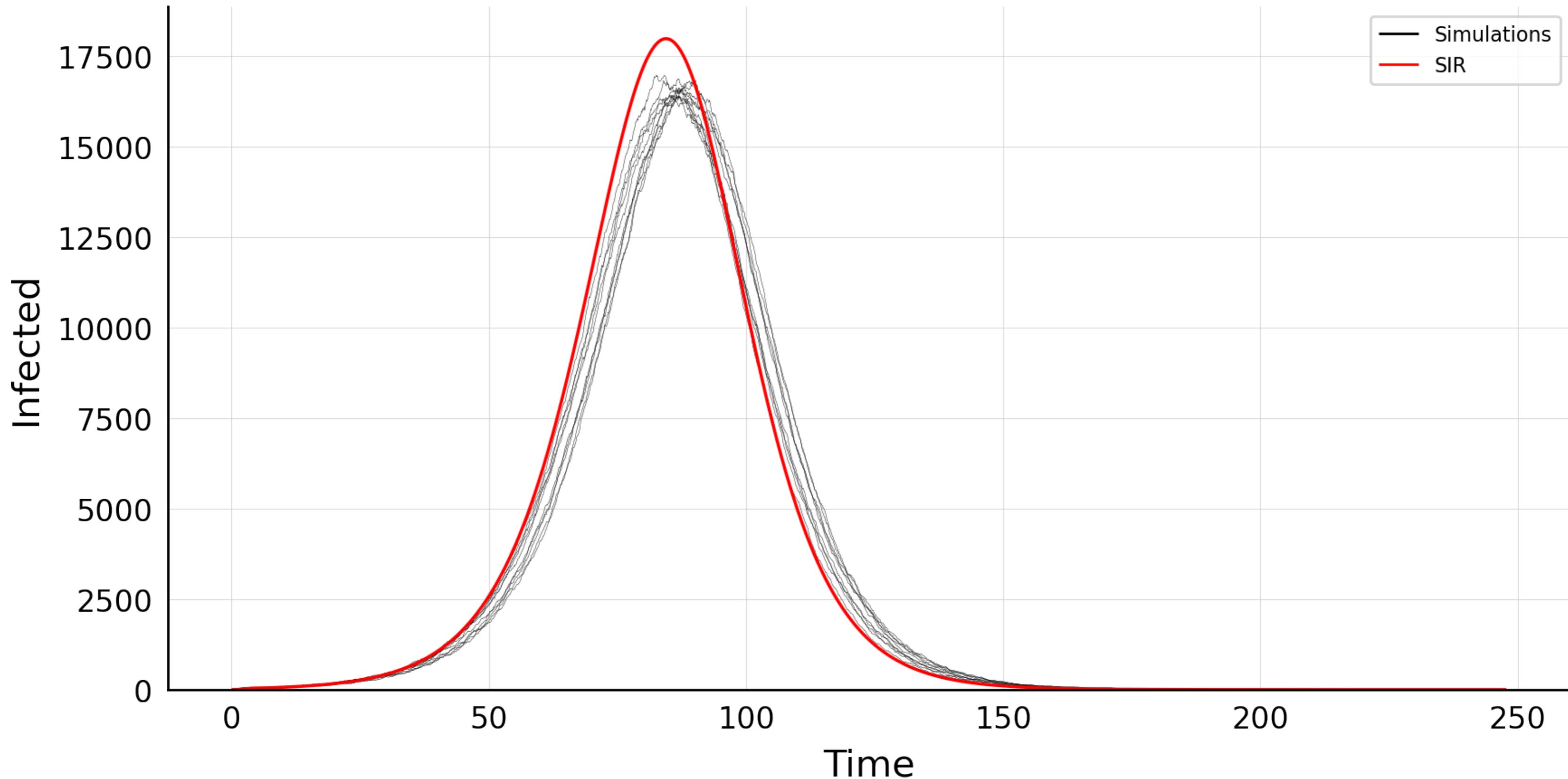
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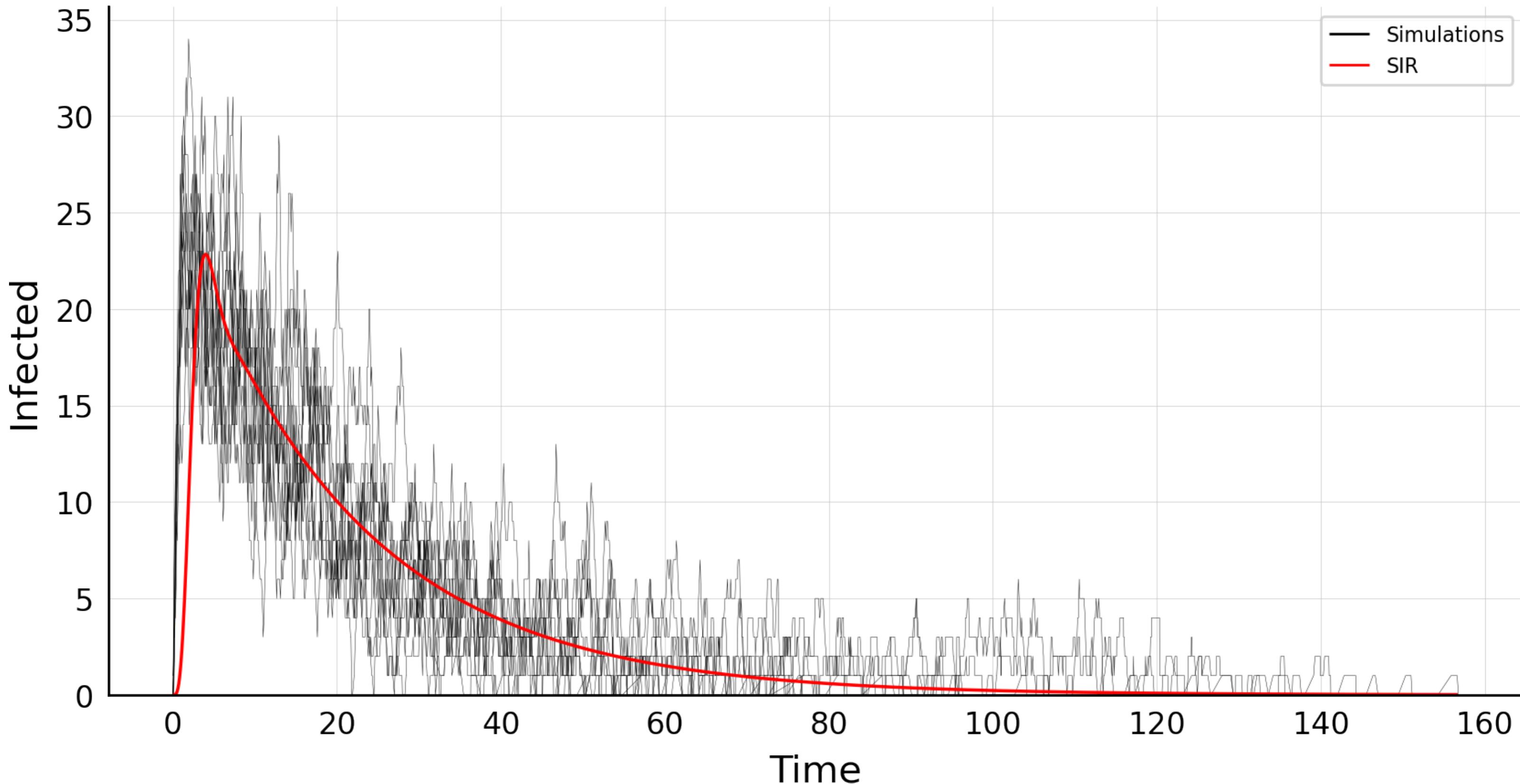
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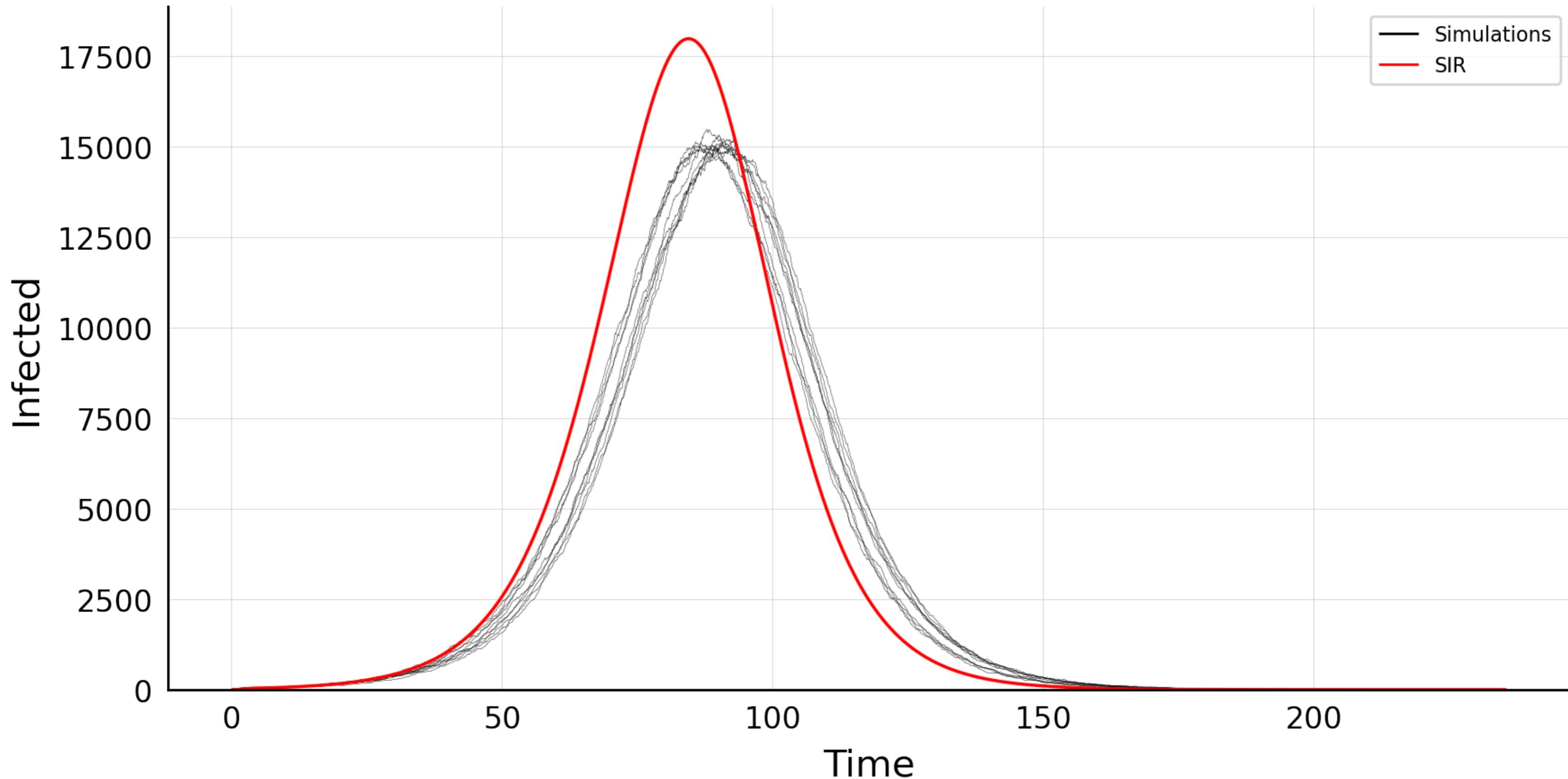
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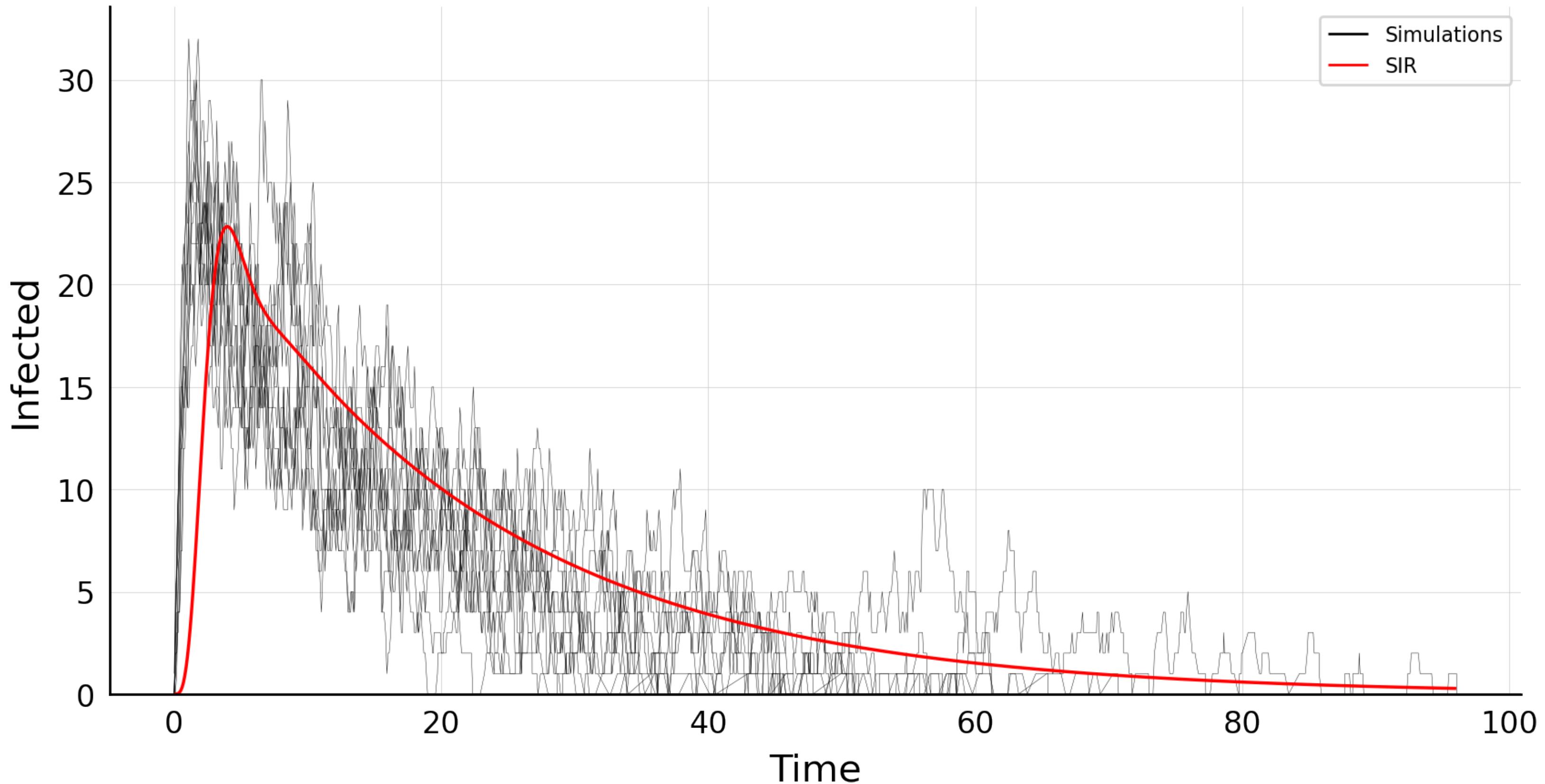
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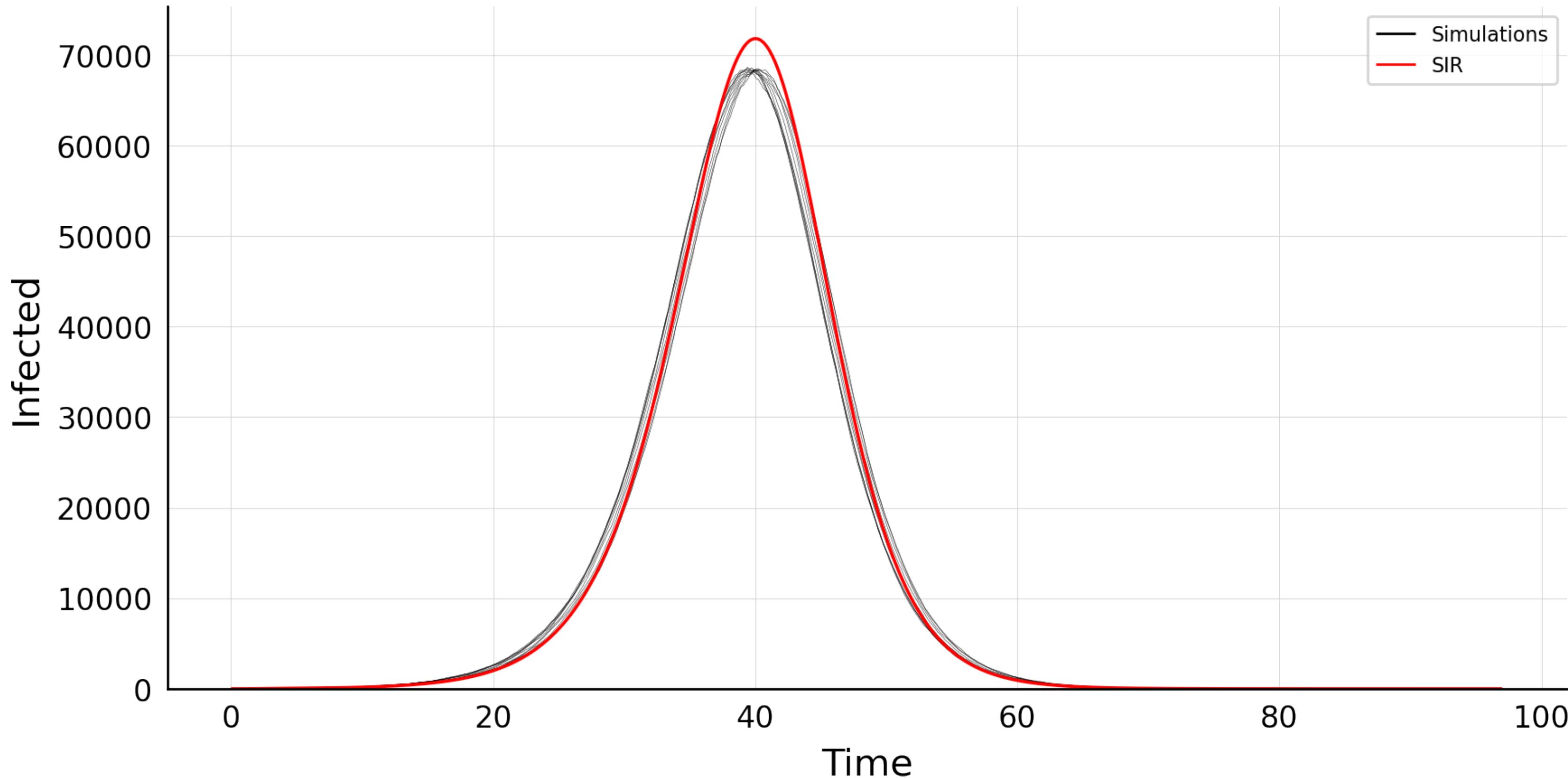
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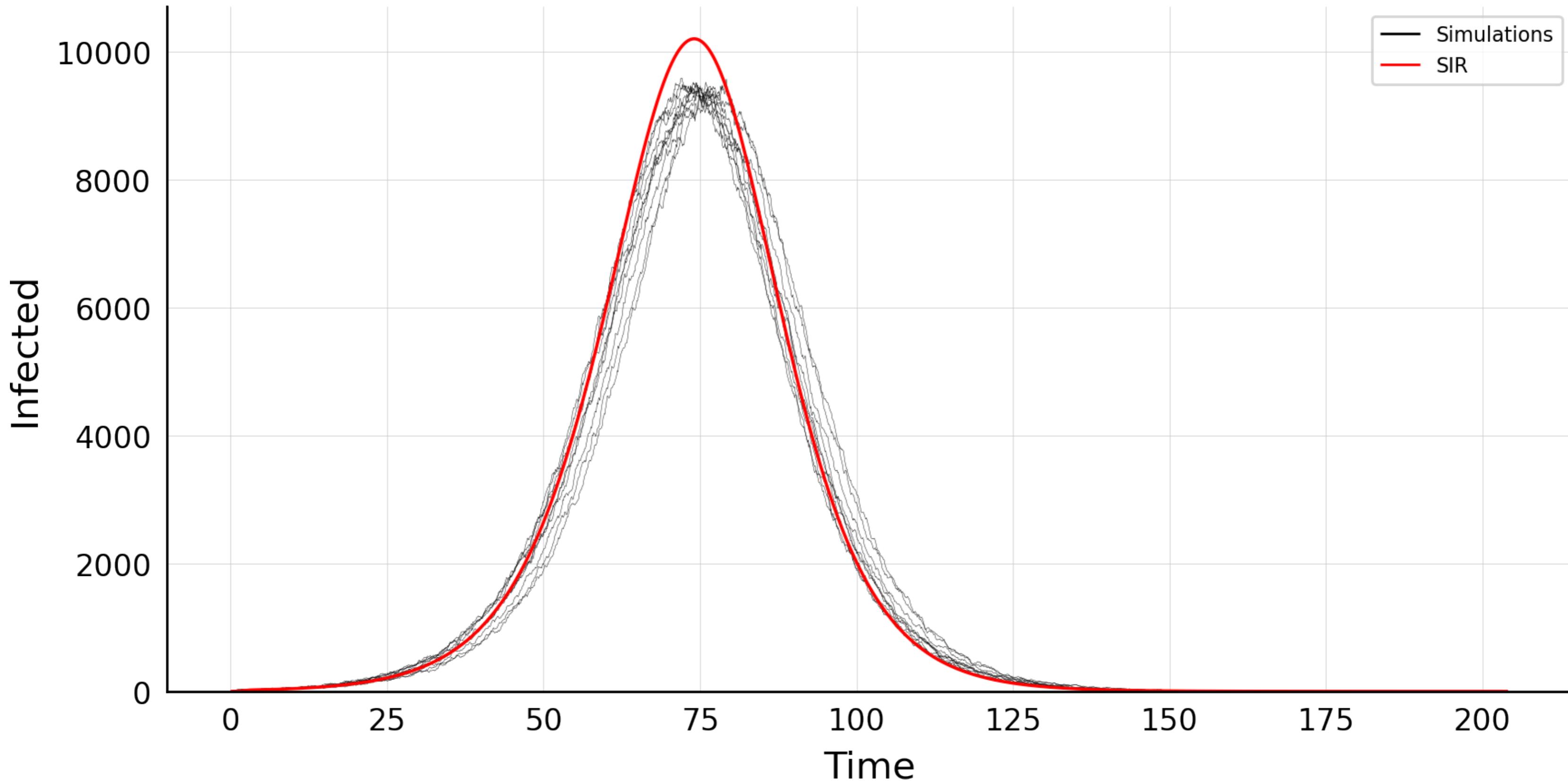
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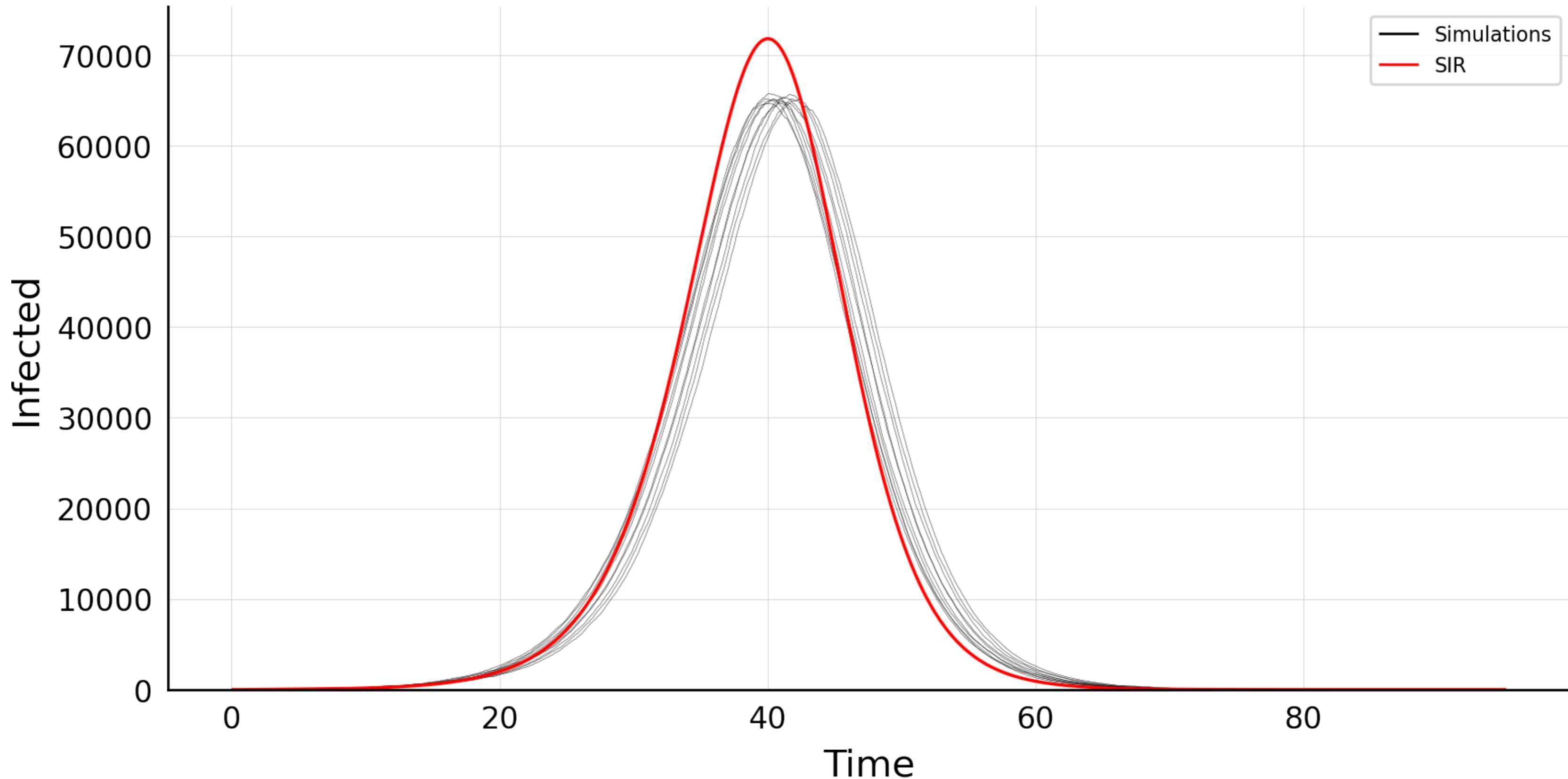
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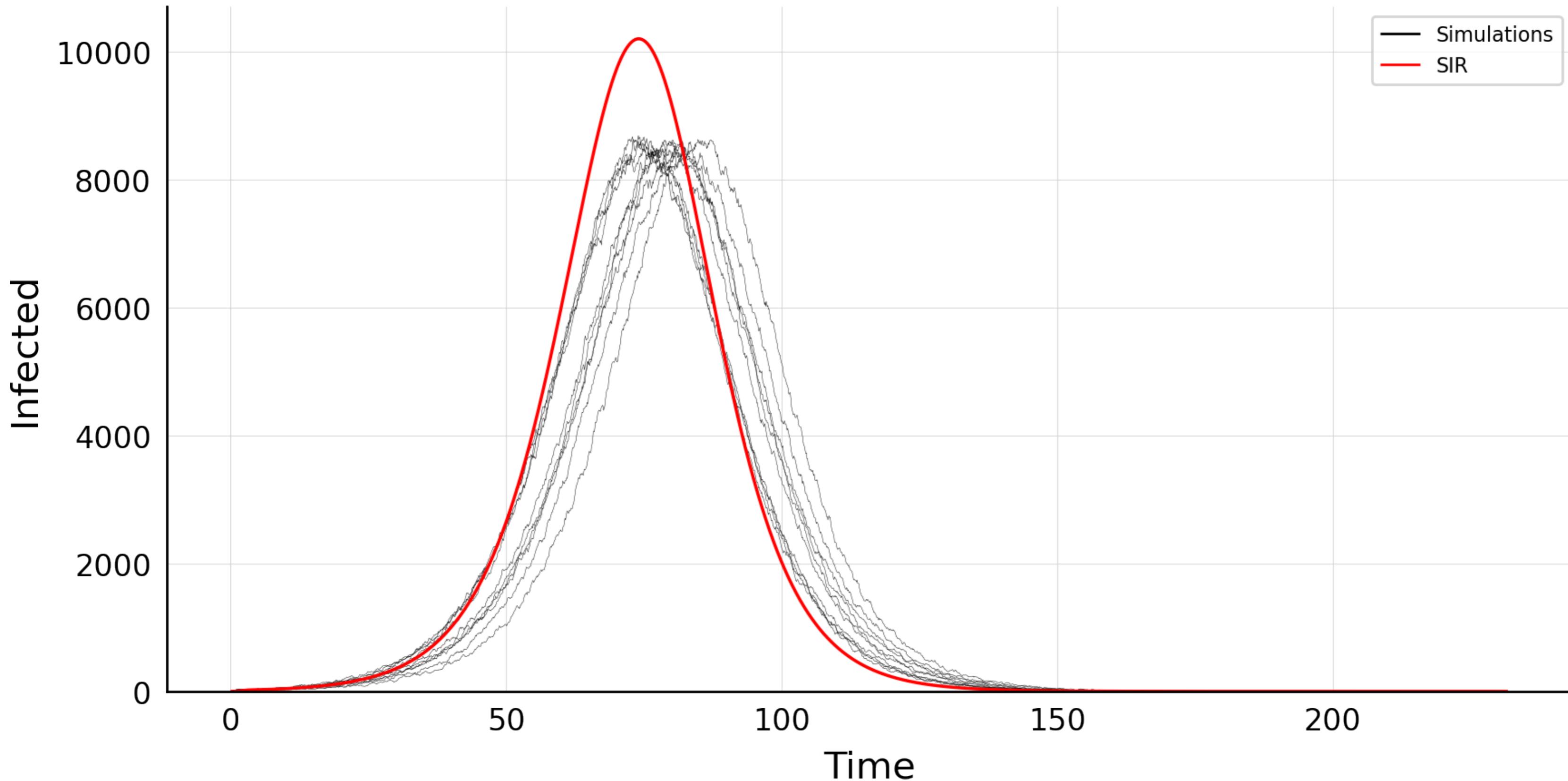
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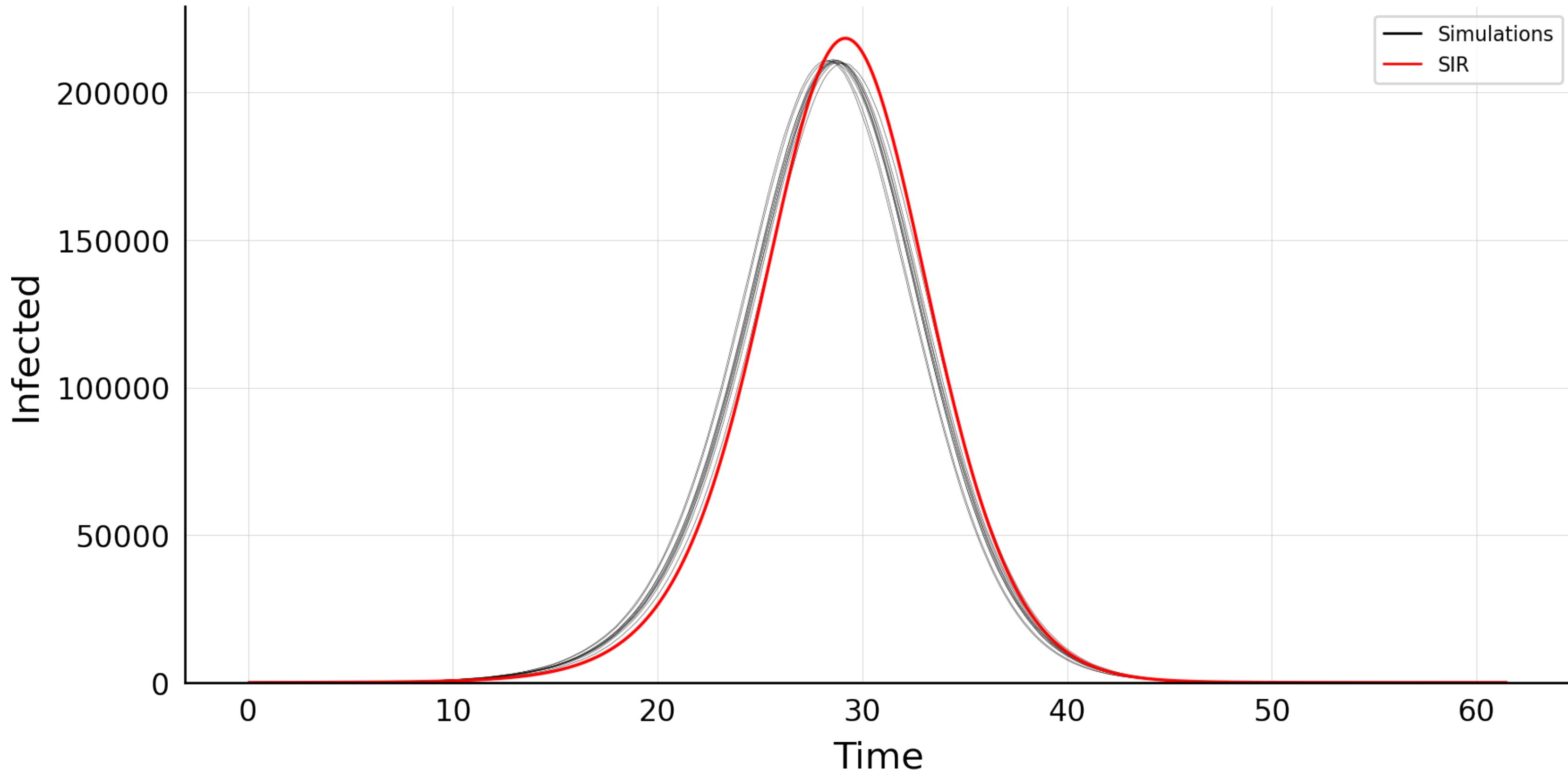
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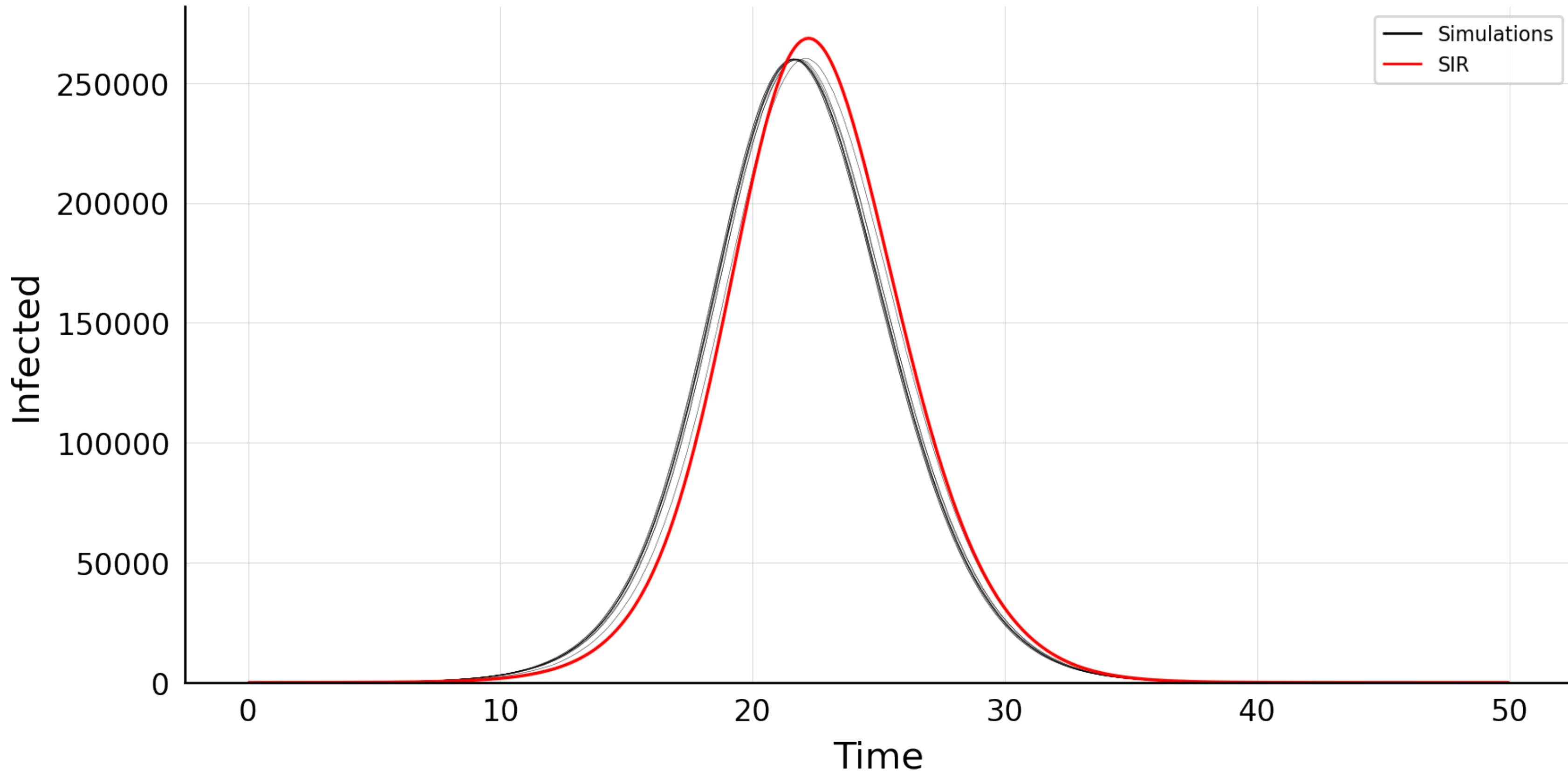


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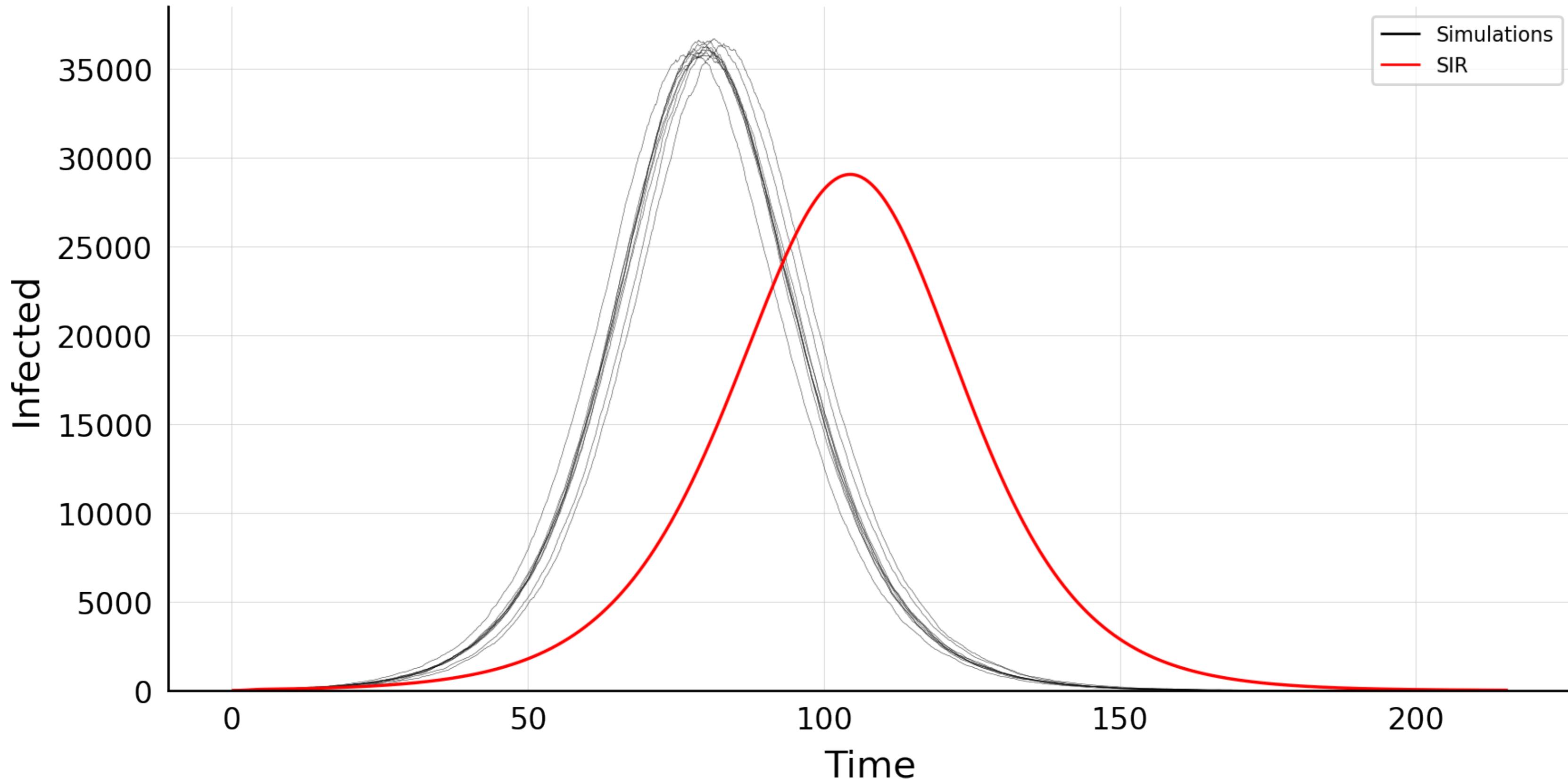
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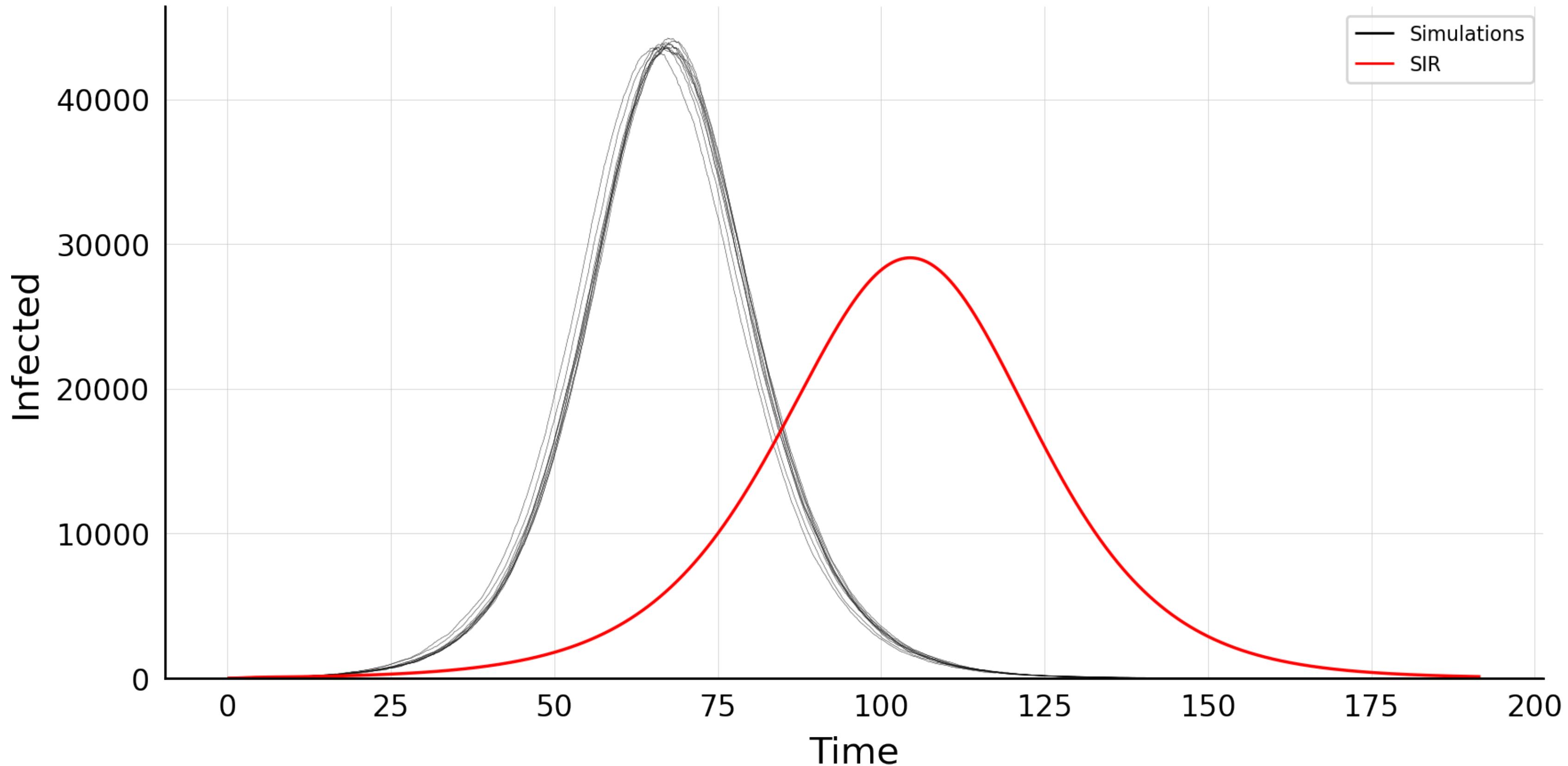


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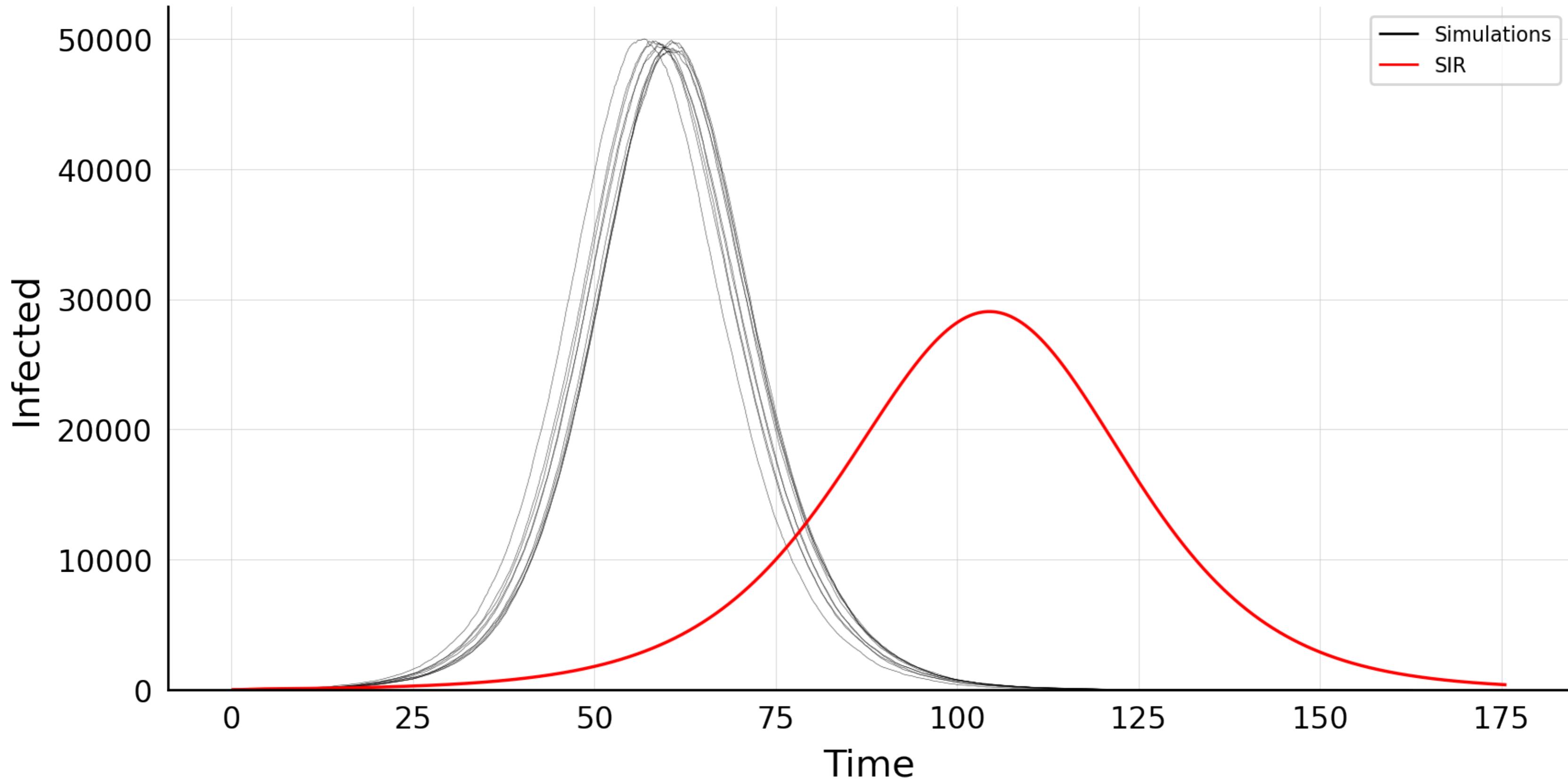
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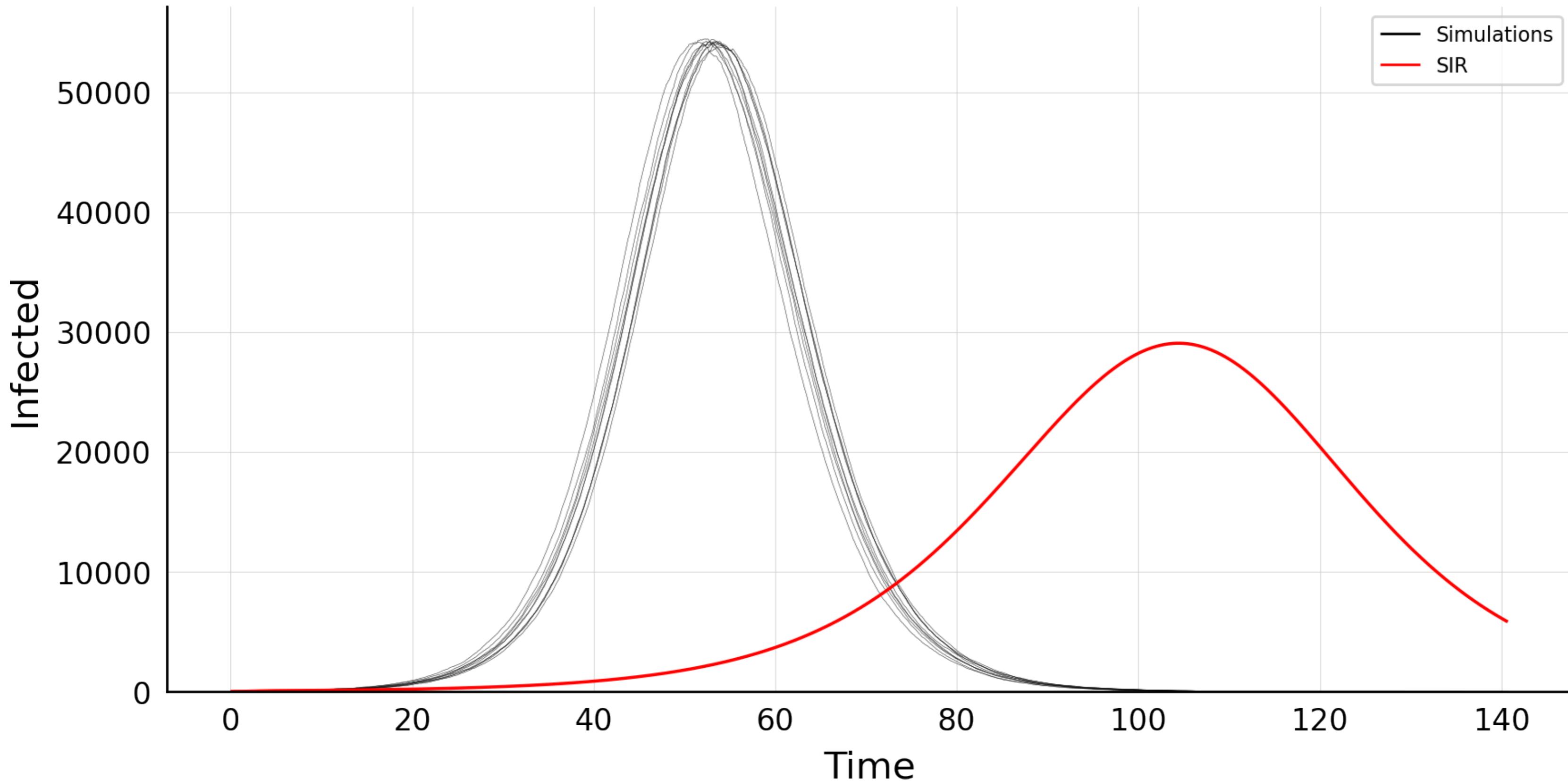
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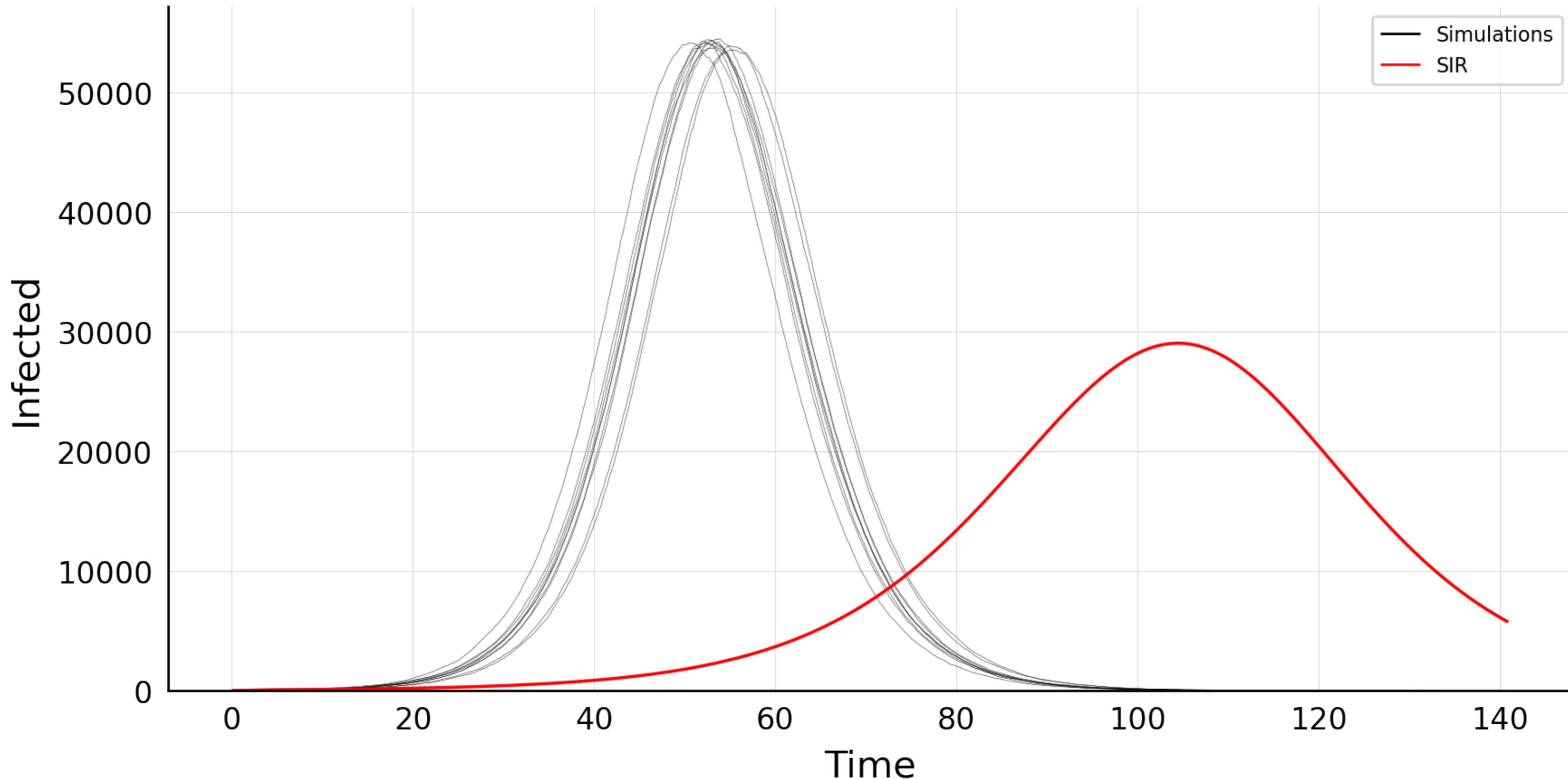
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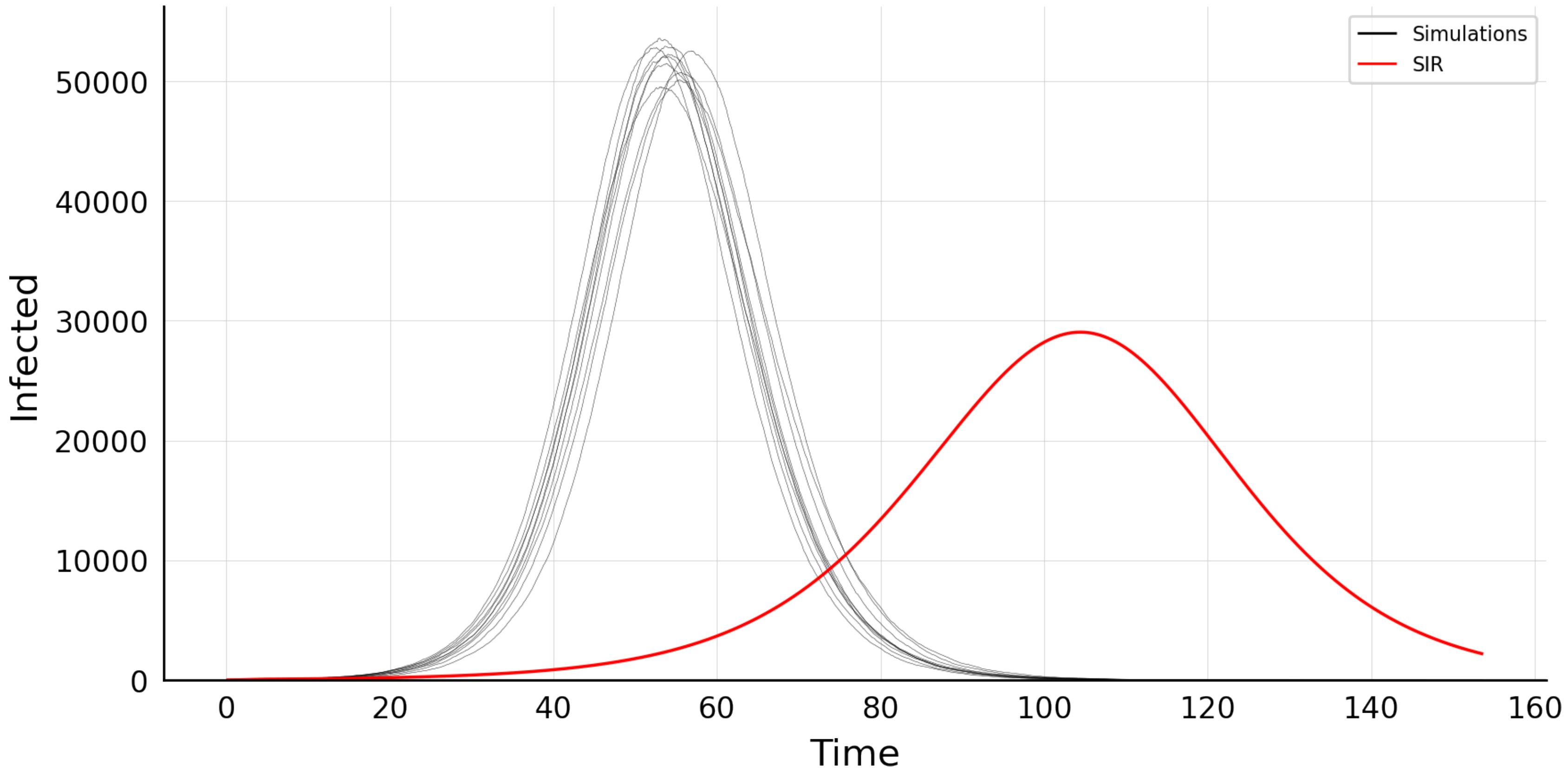


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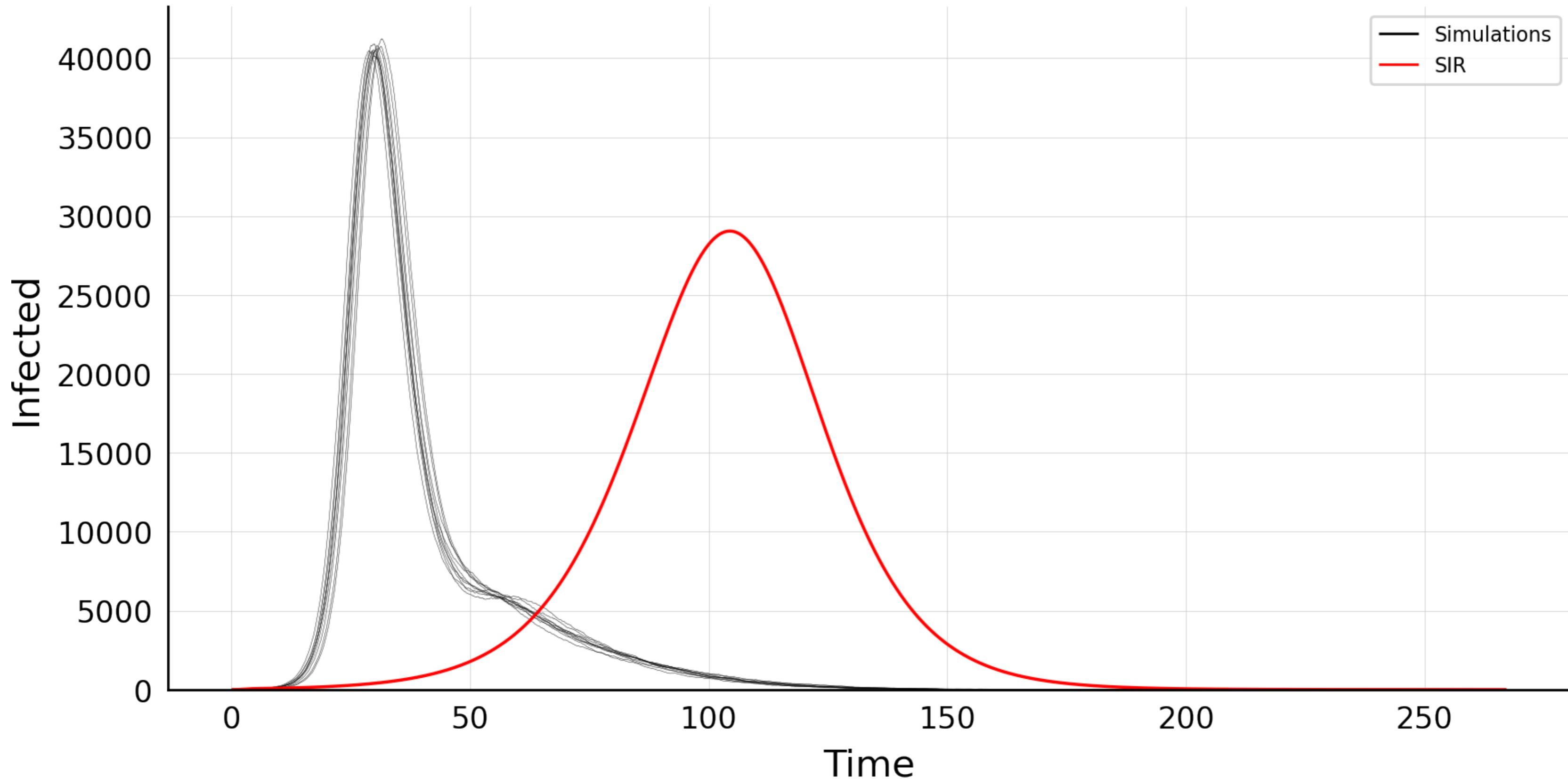


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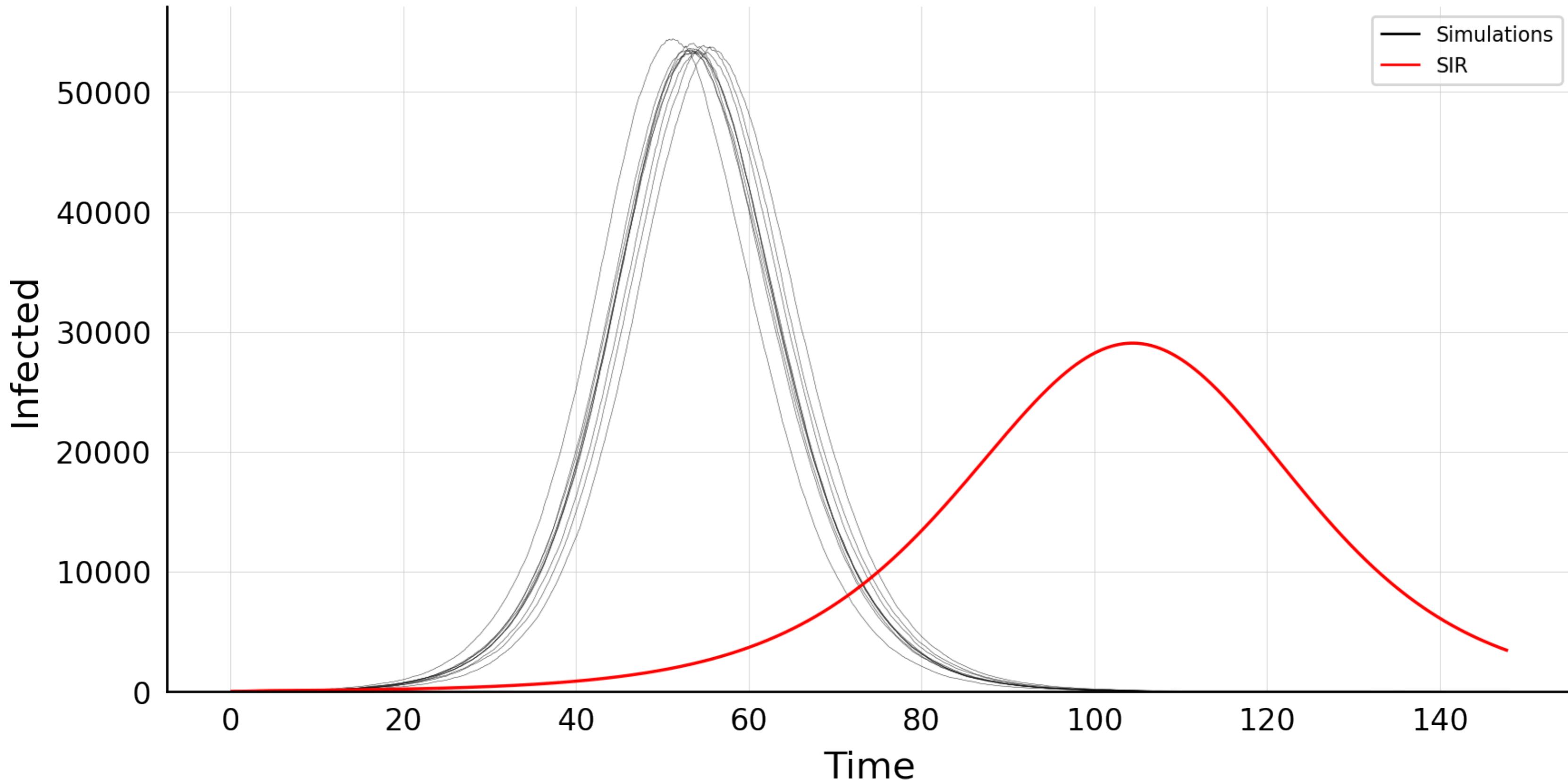
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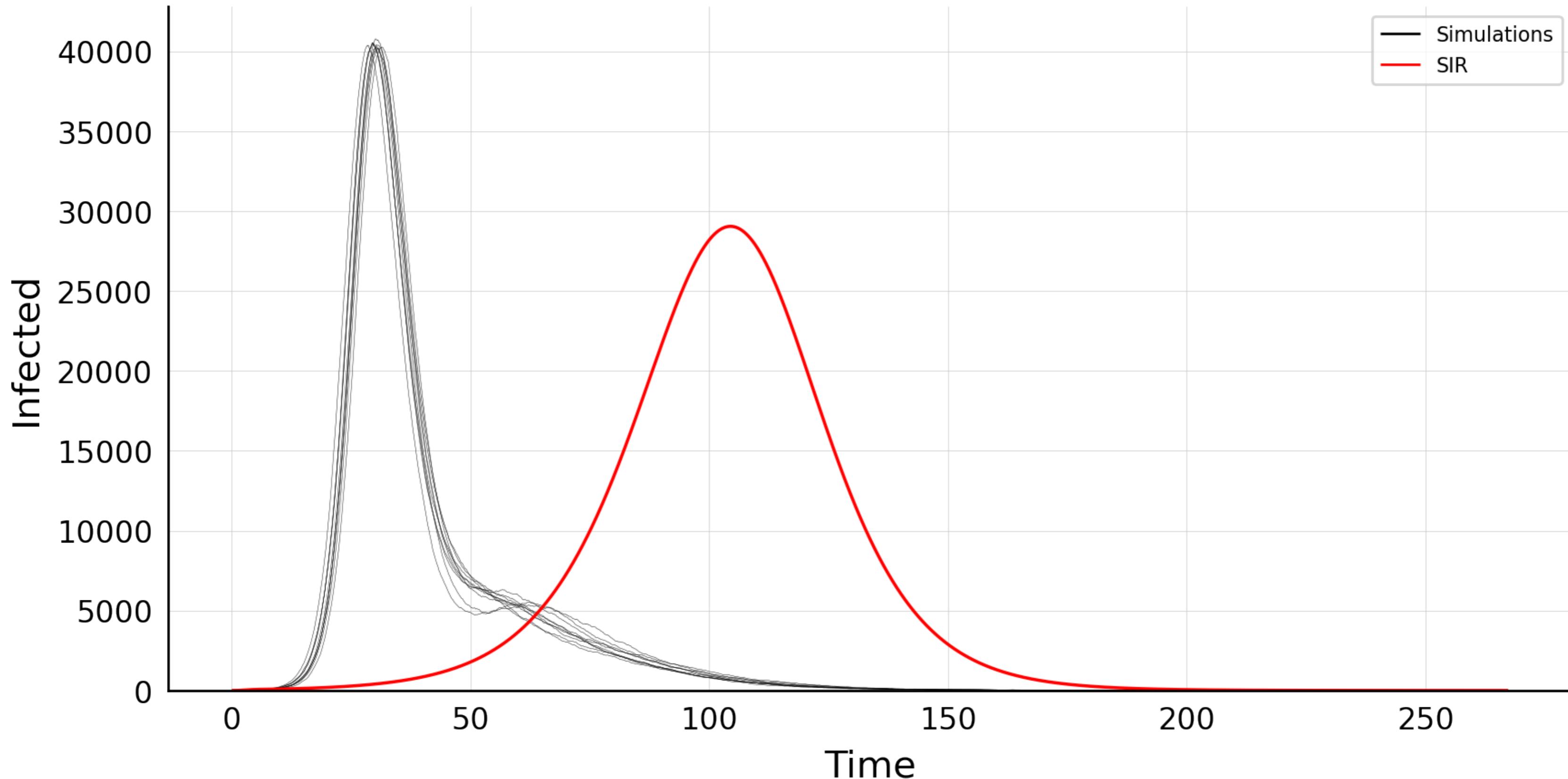


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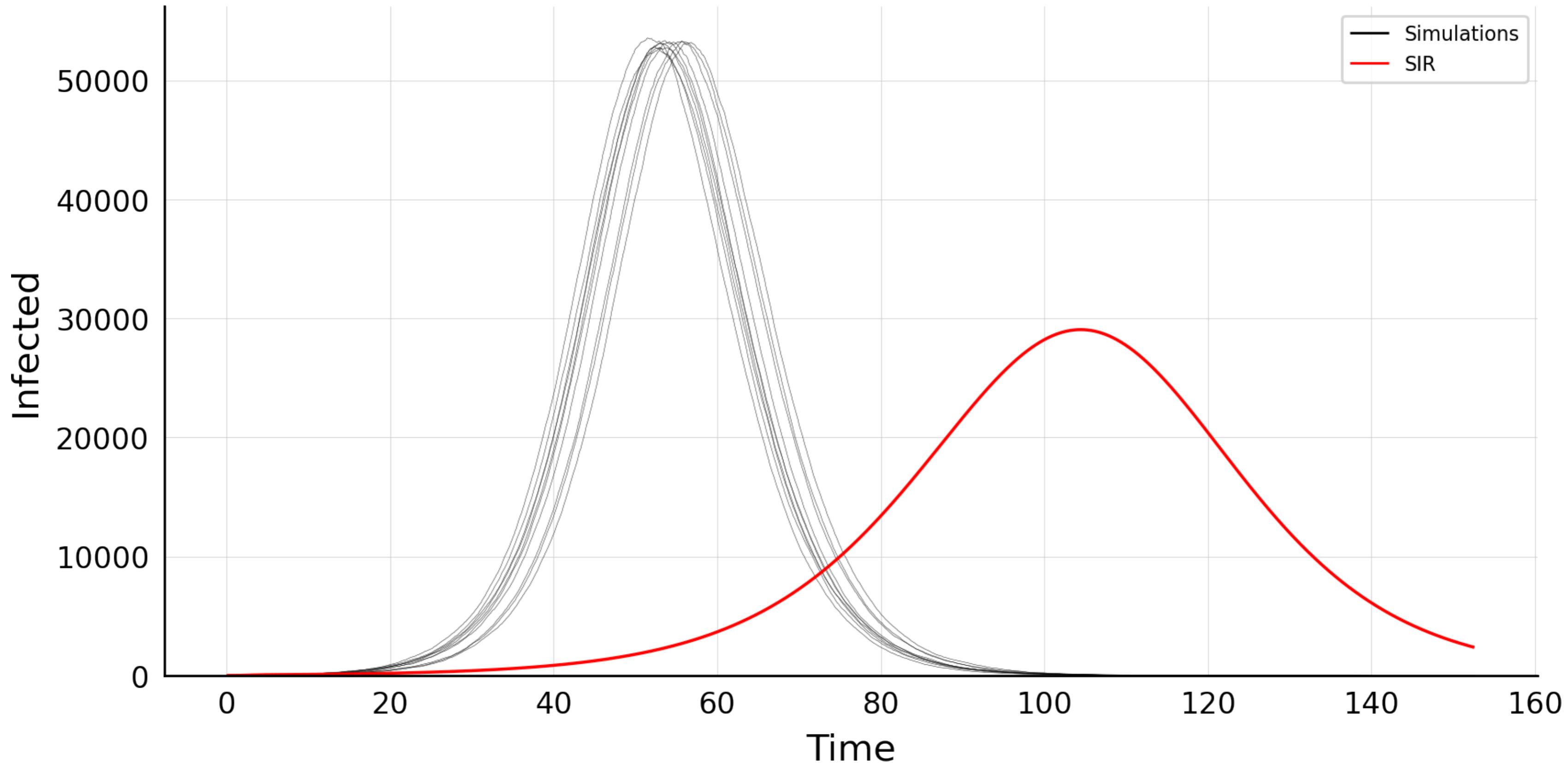


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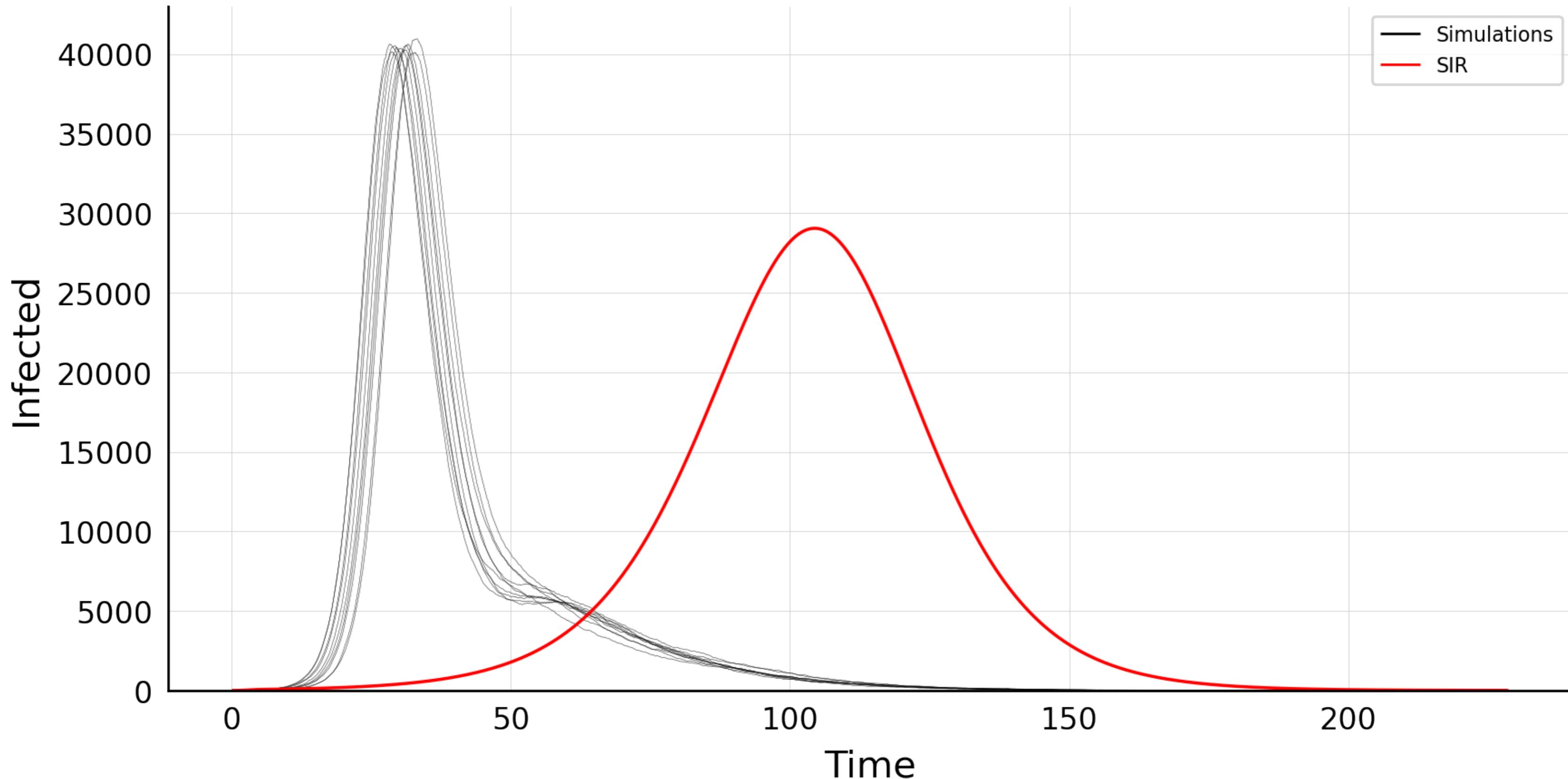
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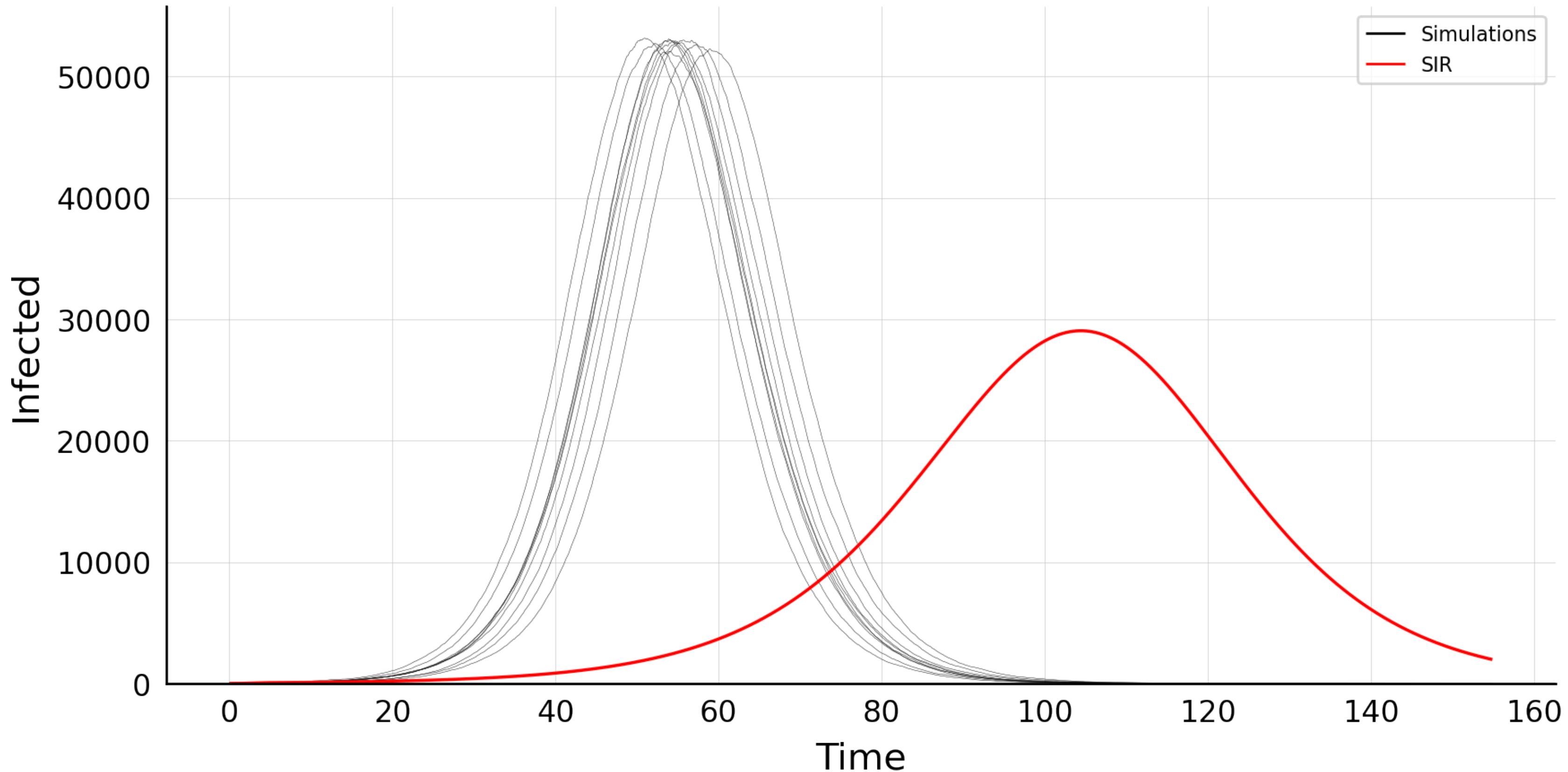
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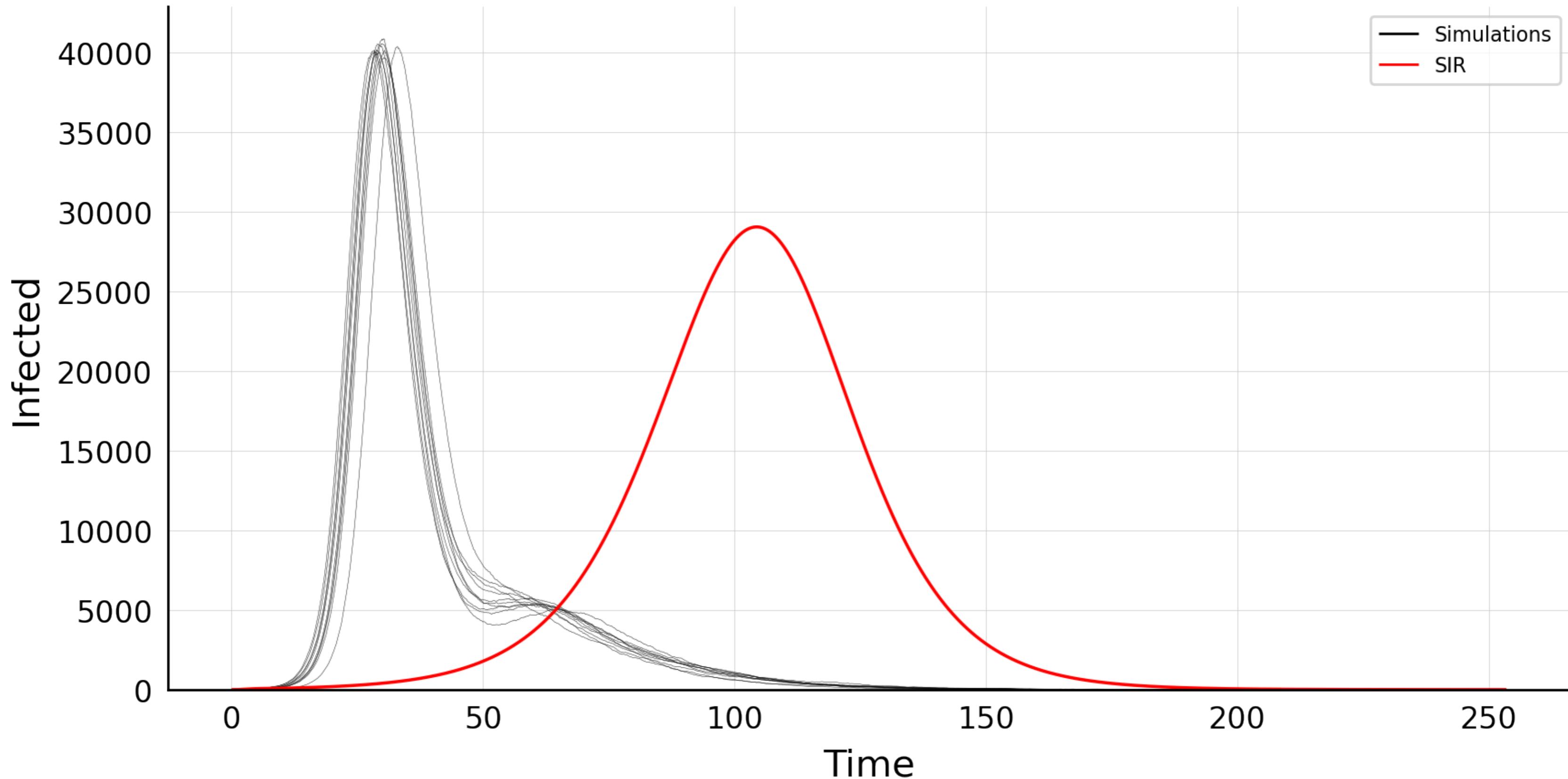


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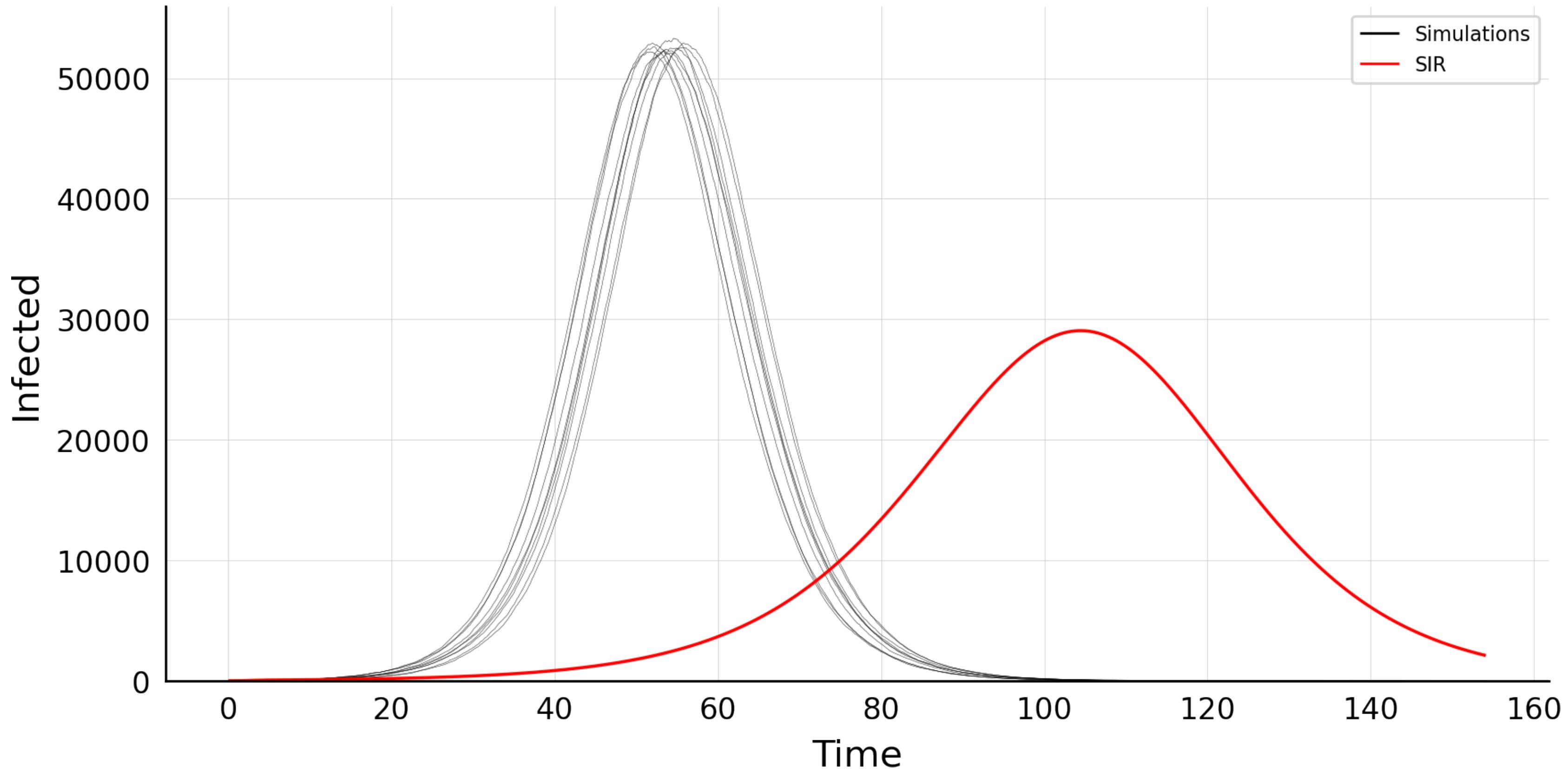


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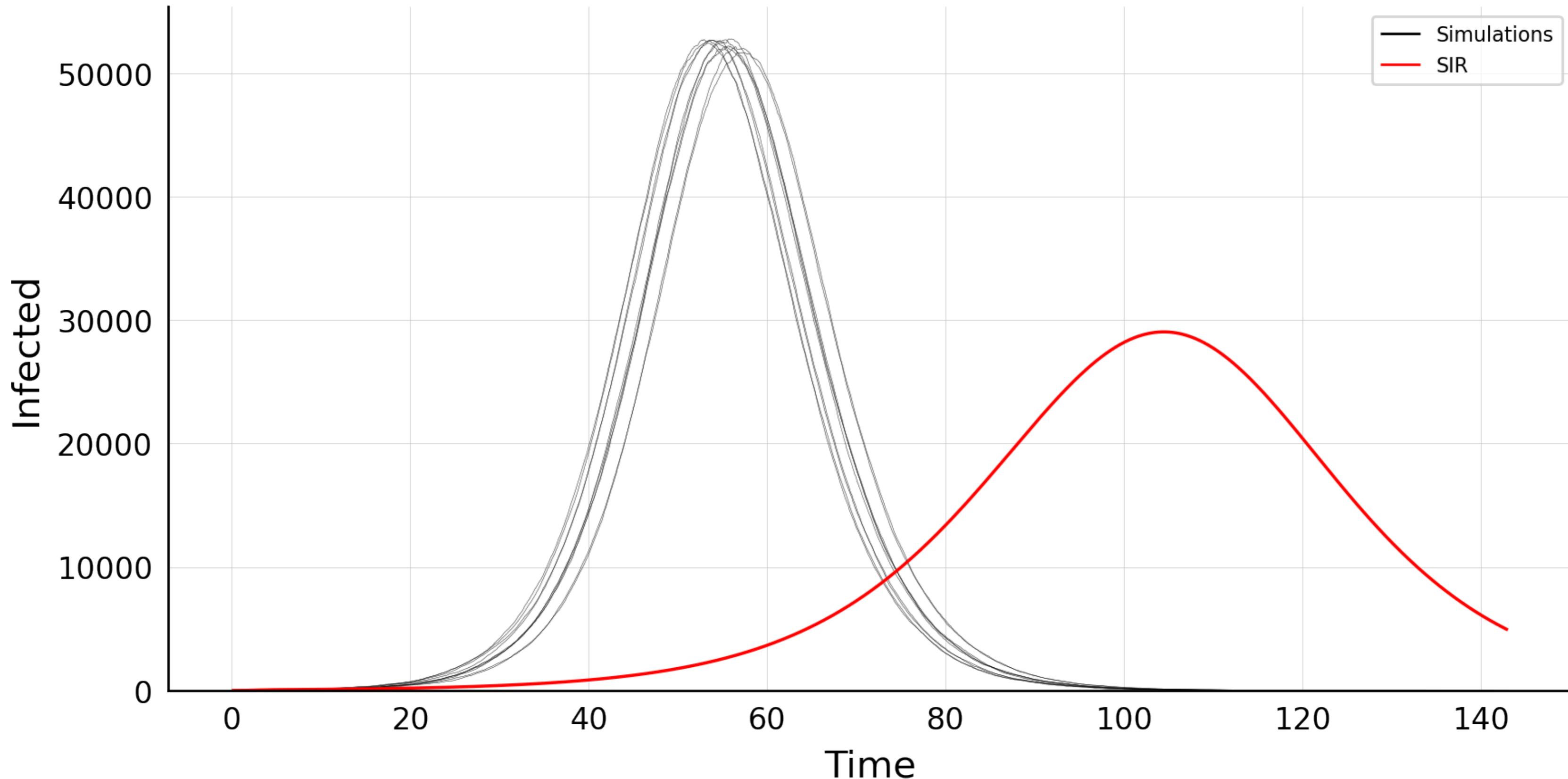
$\lambda_E = 1.0$, $\lambda_I = 1.0$, $\epsilon_\rho = 0.01$, $\beta_{\text{scaling}} = 1.0$, $\text{age}_{\text{mixing}} = 1.0$, $\text{algo} = 2$, #10



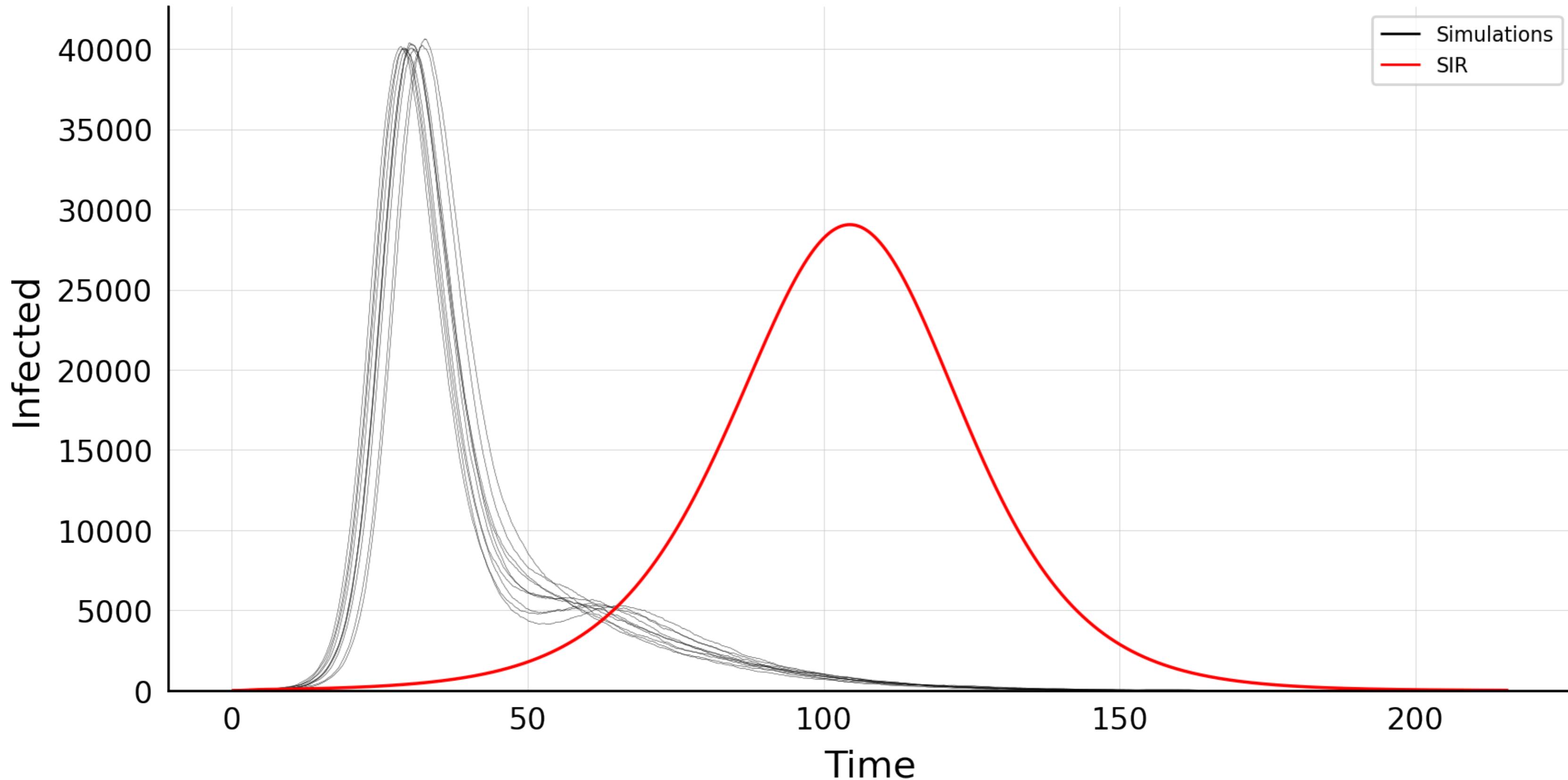
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $N_{\text{ages}} = 1$, $\mu = 40.0$, $\sigma_\mu = 1.0$, $\beta = 0.01$, $\sigma_\beta = 1.0$, $\rho = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, $\epsilon_\rho = 0.01$, $\beta_{\text{scaling}} = 1.0$, $\text{age}_{\text{mixing}} = 1.0$, $\text{algo}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



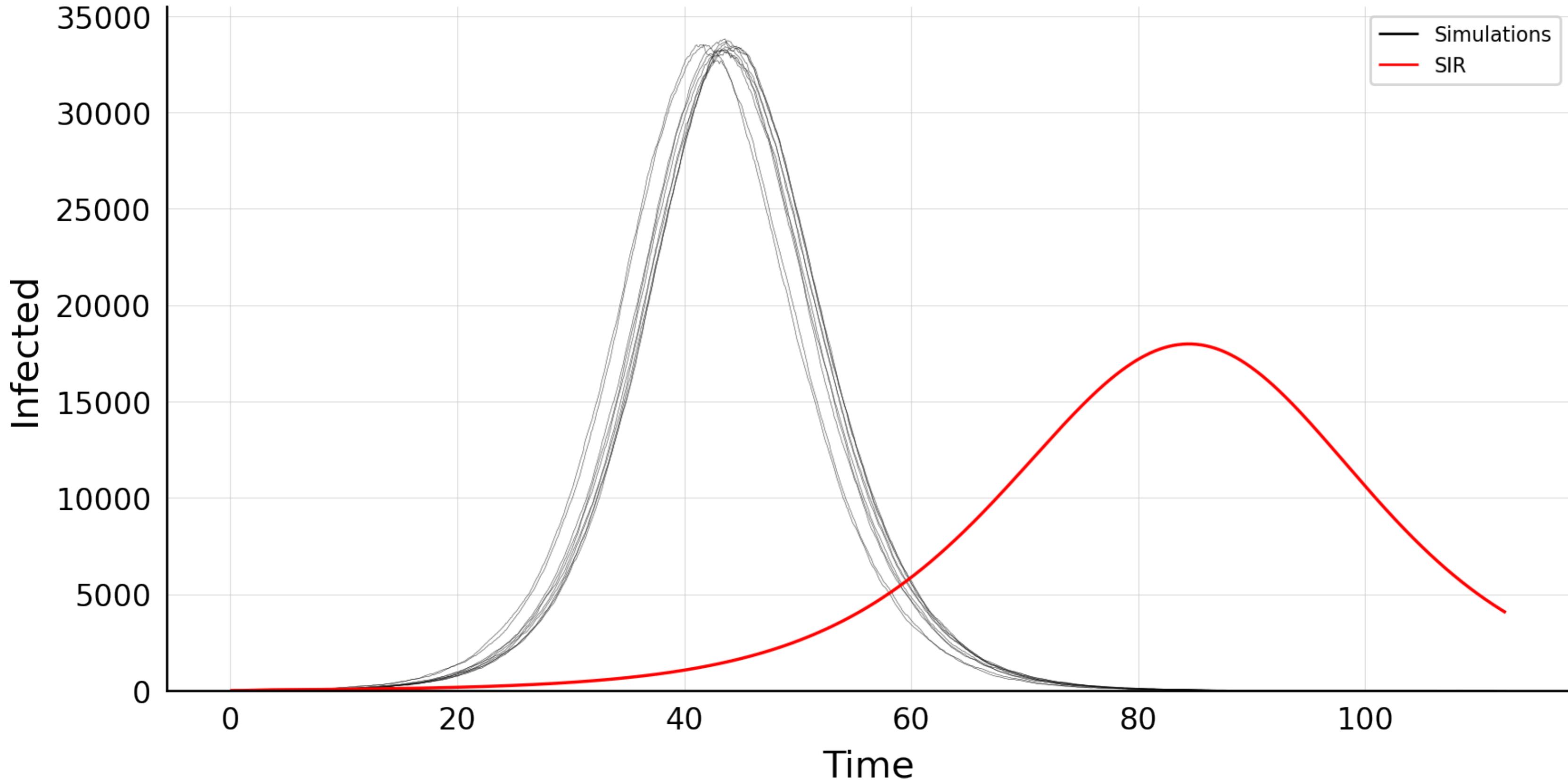
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 $\lambda_E = 1.0$, $\lambda_I = 1.0$, $\epsilon_\rho = 0.01$, $\beta_{\text{scaling}} = 1.0$, $\text{age}_{\text{mixing}} = 1.0$, $\text{algo} = 2$, #10



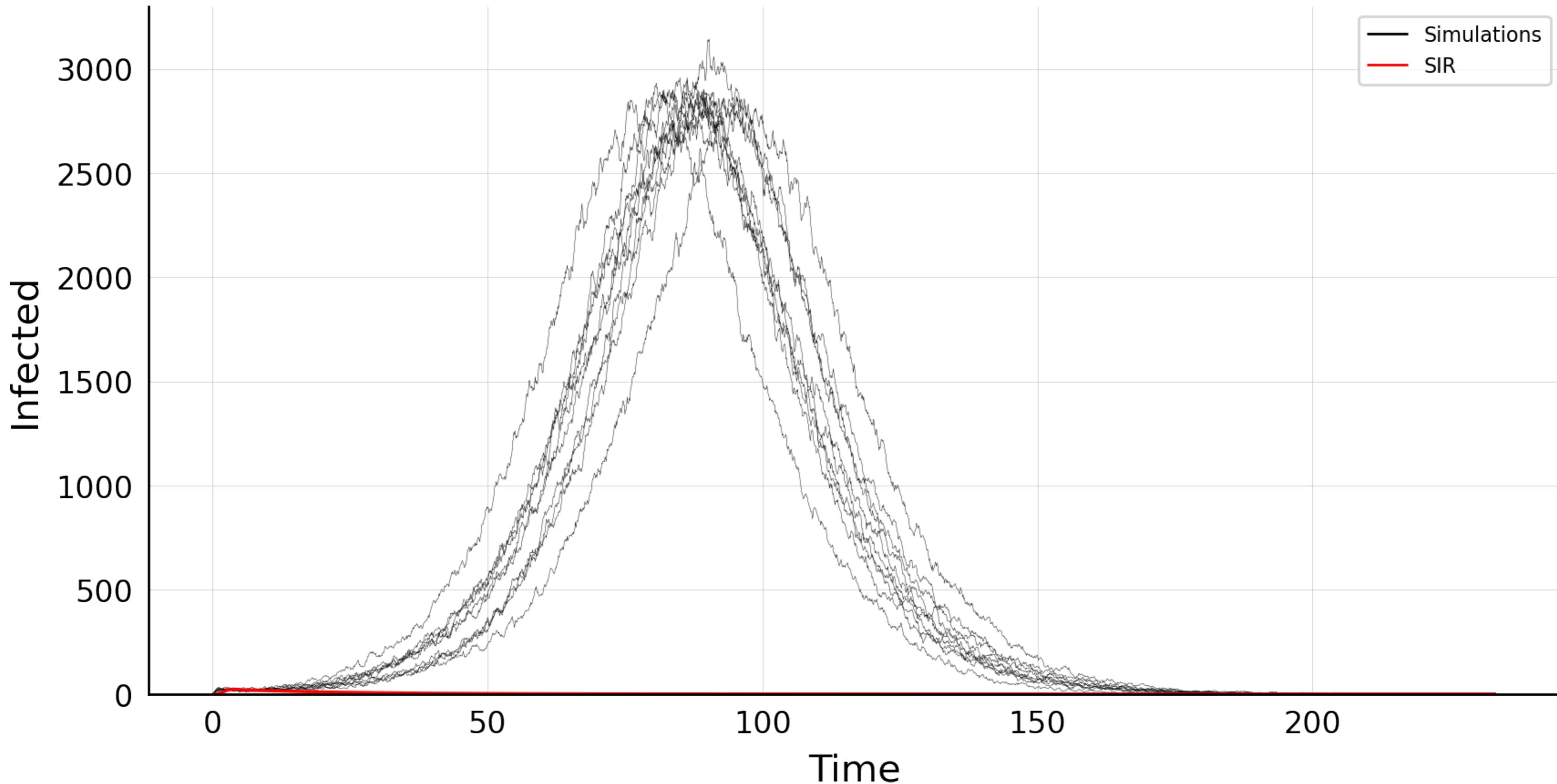
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 $\lambda_E = 1.0$, $\lambda_I = 1.0$, $\epsilon_\rho = 0.01$, $\beta_{\text{scaling}} = 1.0$, $\text{age}_{\text{mixing}} = 1.0$, $\text{algo} = 2$, #10



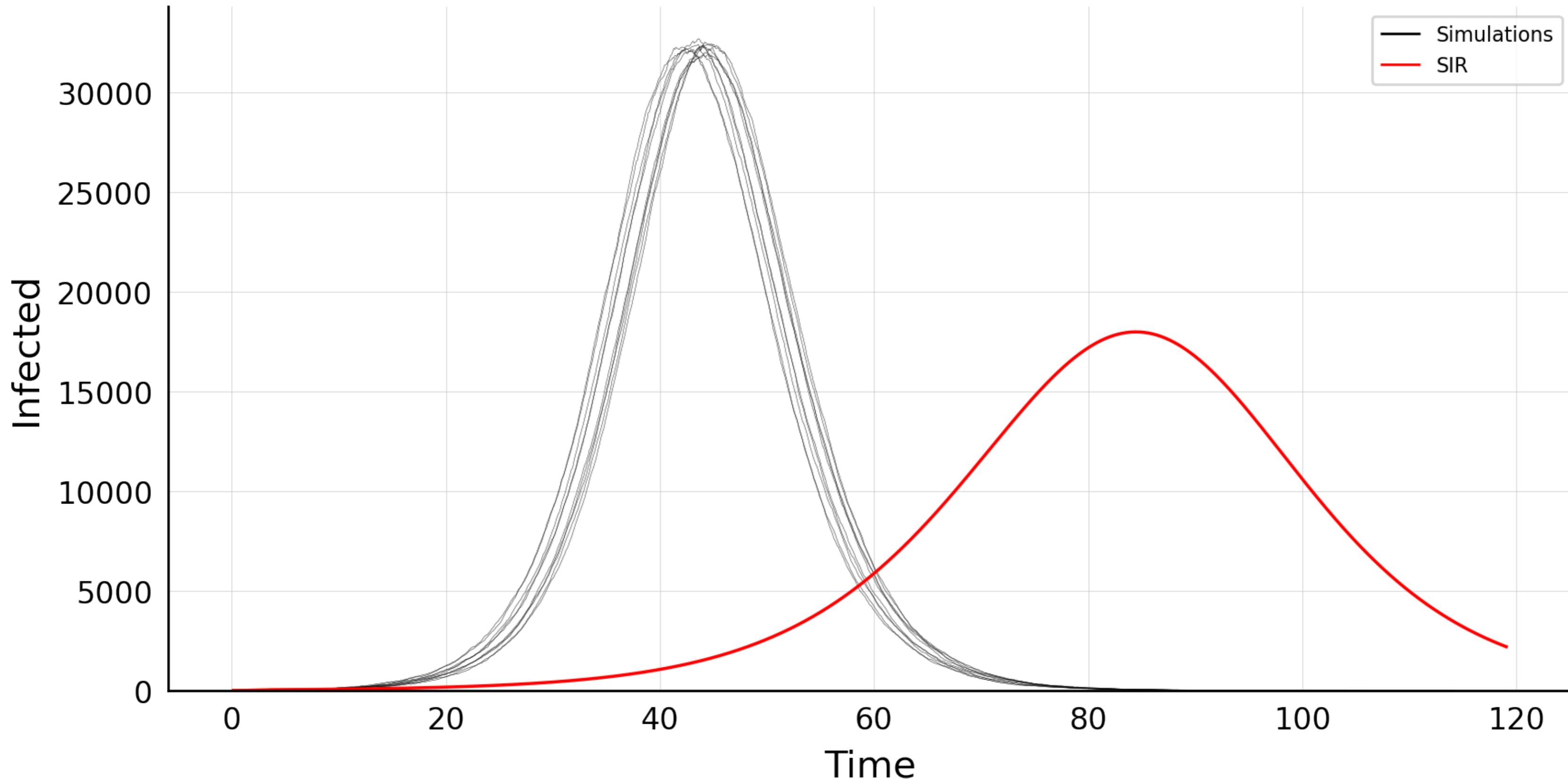
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $N_{\text{ages}} = 1$, $\mu = 40.0$, $\sigma_\mu = 1.0$, $\beta = 0.02$, $\sigma_\beta = 0.0$, $\rho = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 2.0$, $\epsilon_\rho = 0.01$, $\beta_{\text{scaling}} = 1.0$, $\text{age}_{\text{mixing}} = 1.0$, $\text{algo} = 2$, #10



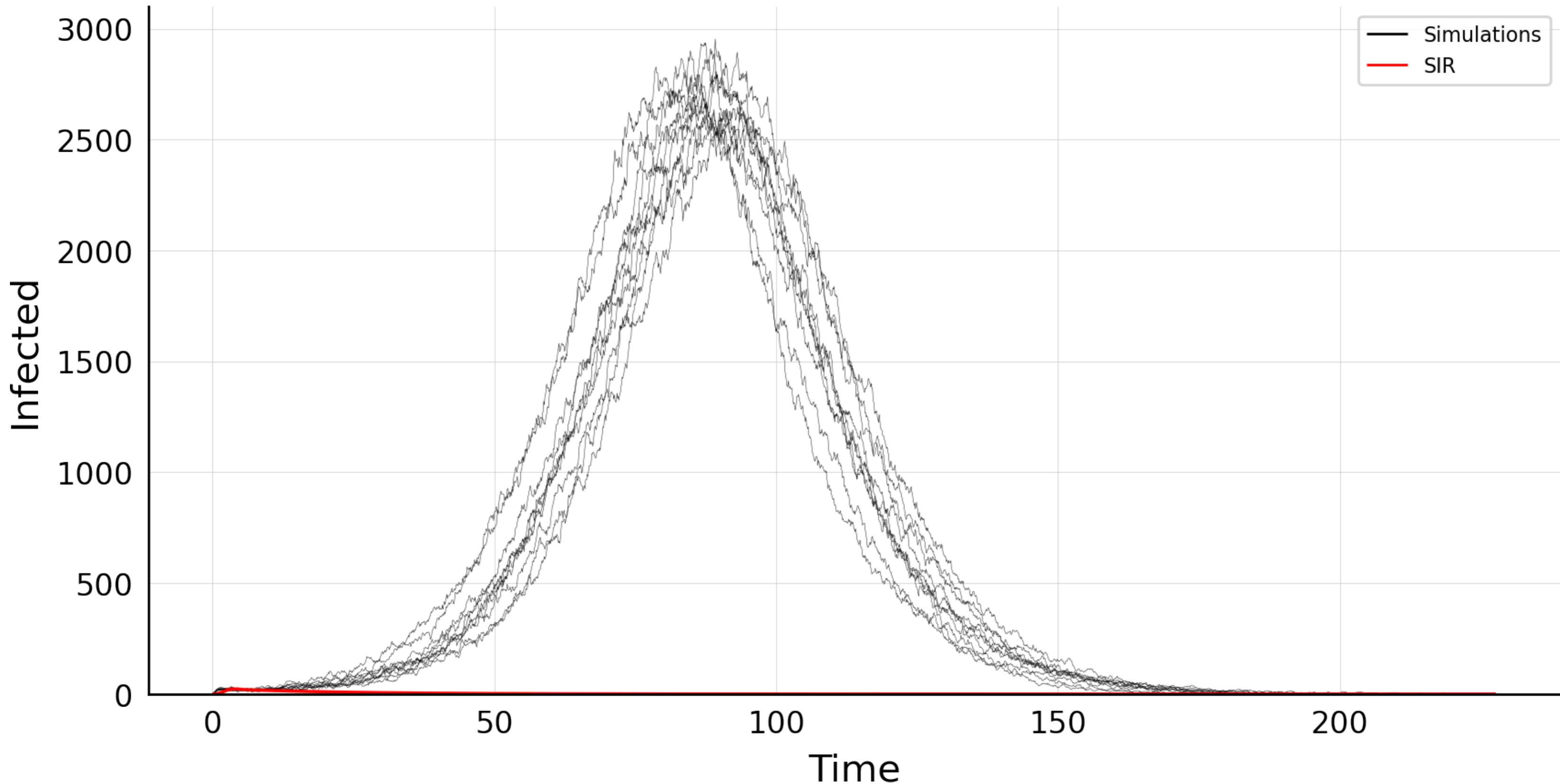
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 $\lambda_E = 1.0$, $\lambda_I = 4.0$, $\epsilon_\rho = 0.01$, $\beta_{\text{scaling}} = 1.0$, $\text{age}_{\text{mixing}} = 1.0$, $\text{algo} = 2$, $\#10$



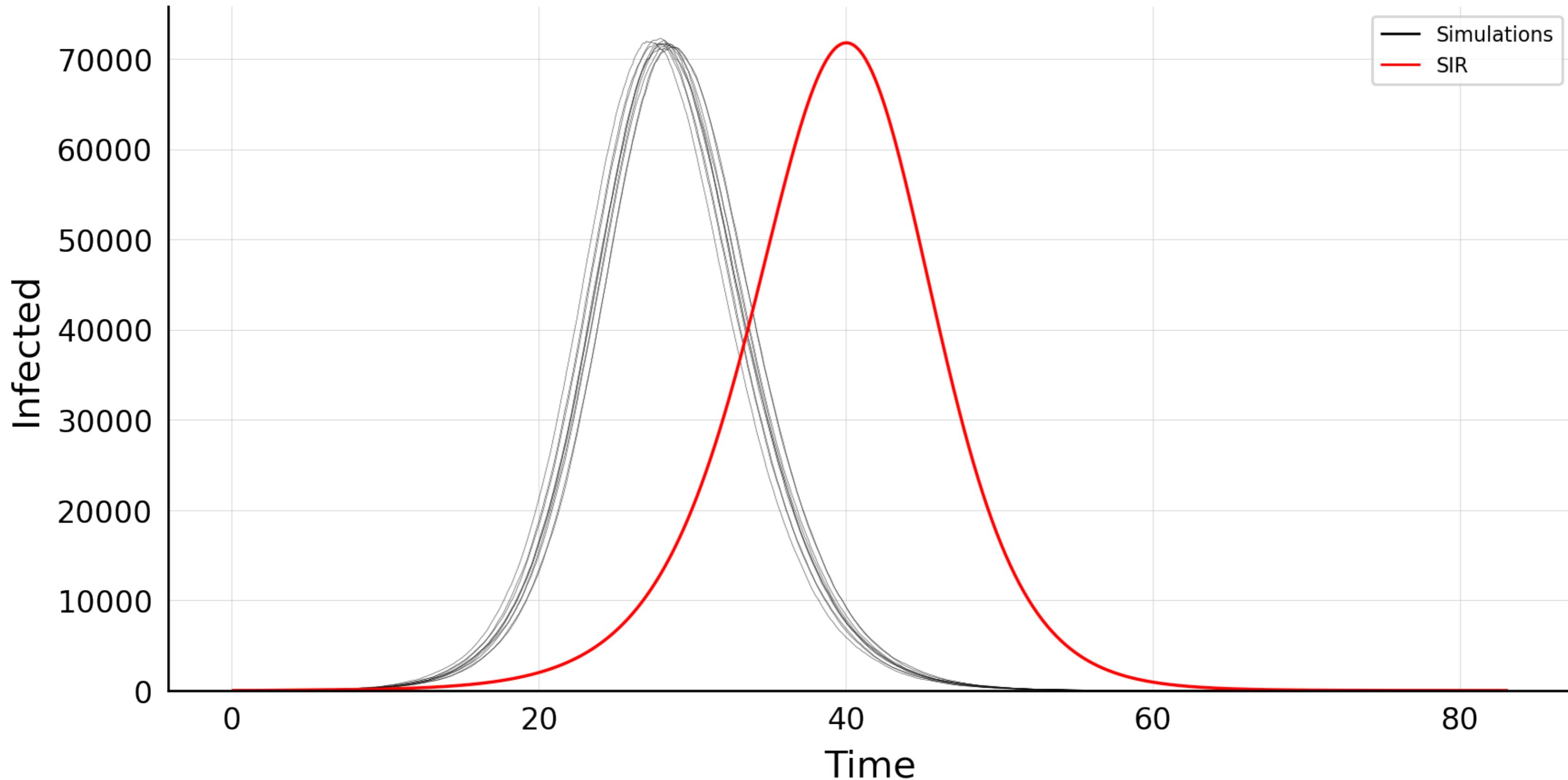
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 $\lambda_E = 1.0$, $\lambda_I = 2.0$, $\epsilon_\rho = 0.01$, $\beta_{\text{scaling}} = 1.0$, $\text{age}_{\text{mixing}} = 1.0$, $\text{algo} = 2$, #10



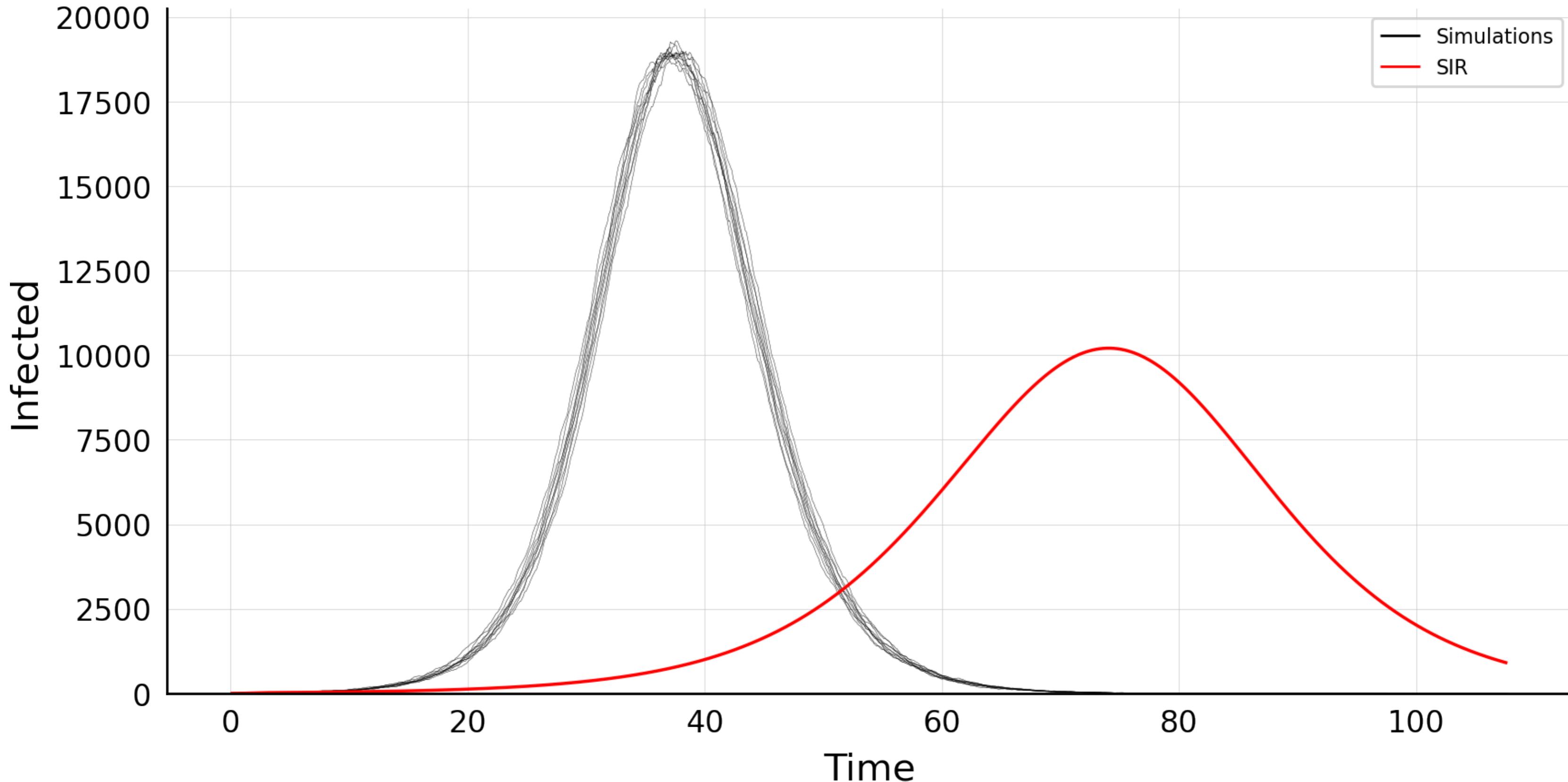
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 $\lambda_E = 1.0$, $\lambda_I = 4.0$, $\epsilon_\rho = 0.01$, $\beta_{\text{scaling}} = 1.0$, $\text{age}_{\text{mixing}} = 1.0$, $\text{algo} = 2$, $\#10$



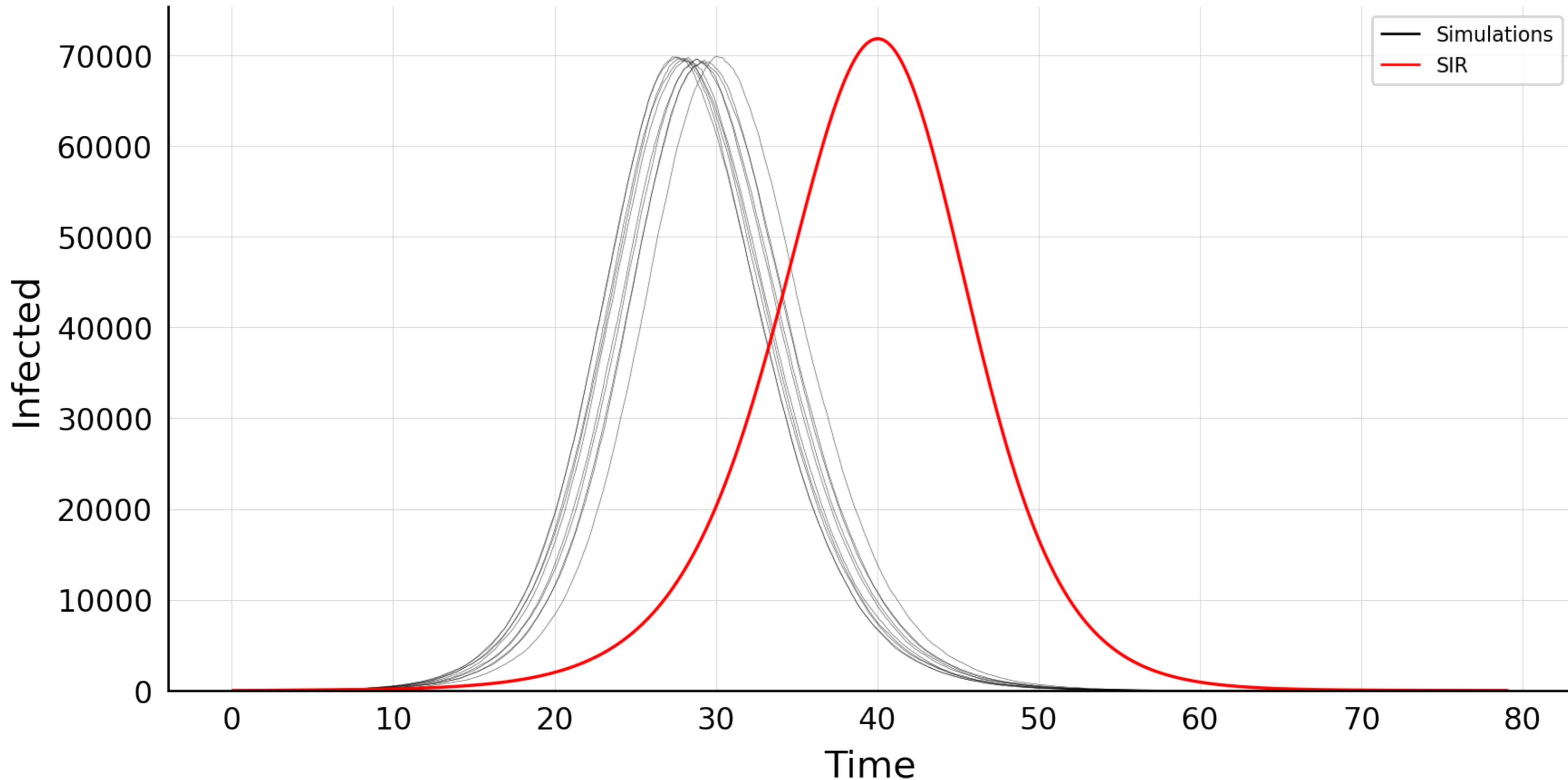
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $N_{\text{ages}} = 1$, $\mu = 40.0$, $\sigma_\mu = 1.0$, $\beta = 0.04$, $\sigma_\beta = 0.0$, $\rho = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 2.0$, $\epsilon_\rho = 0.01$, $\beta_{\text{scaling}} = 1.0$, $\text{age}_{\text{mixing}} = 1.0$, $\text{algo} = 2$, #10



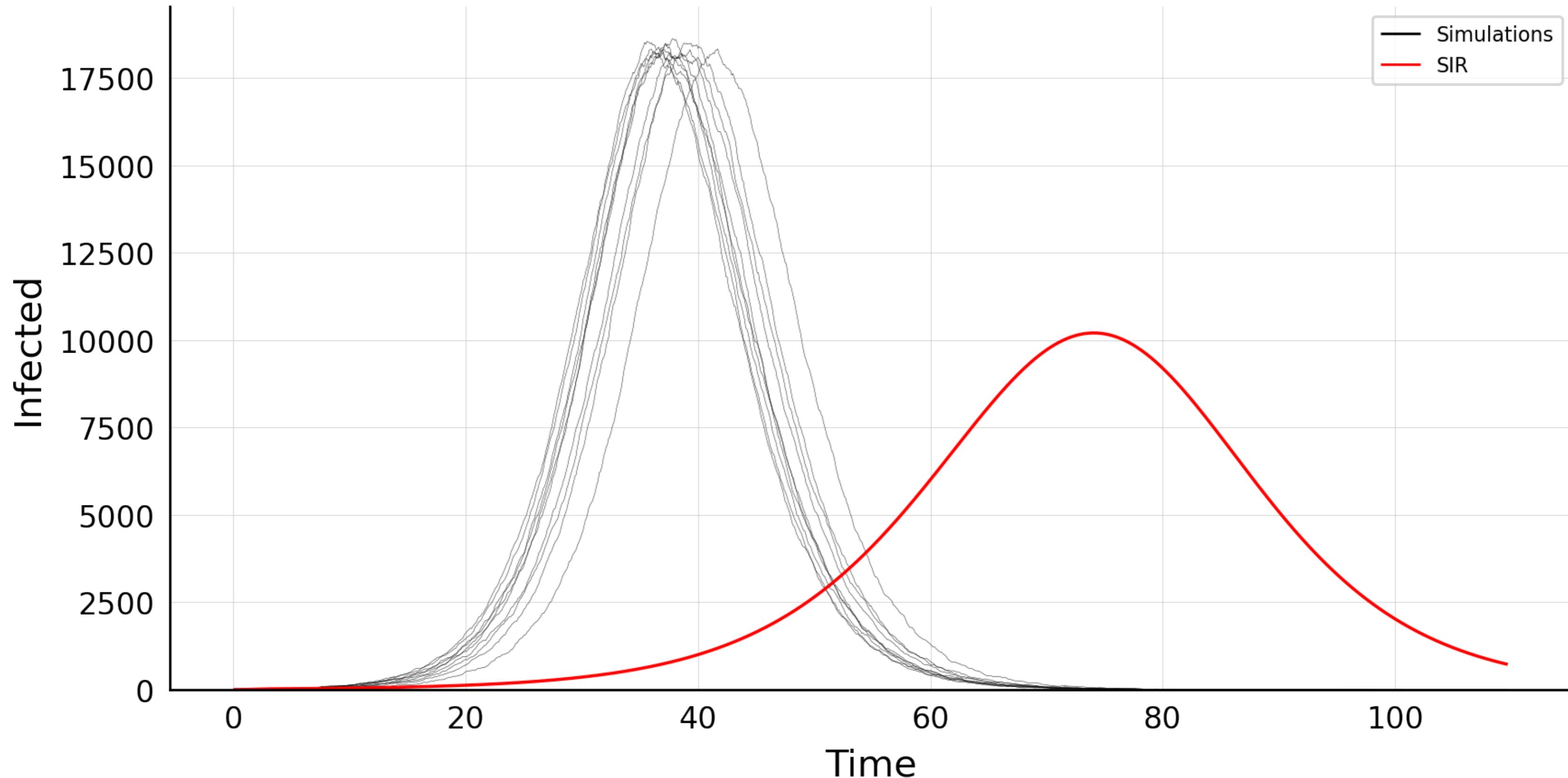
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $N_{\text{ages}} = 1$, $\mu = 40.0$, $\sigma_\mu = 1.0$, $\beta = 0.04$, $\sigma_\beta = 0.0$, $\rho = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 4.0$, $\epsilon_\rho = 0.01$, $\beta_{\text{scaling}} = 1.0$, $\text{age}_{\text{mixing}} = 1.0$, $\text{algo} = 2$, #10



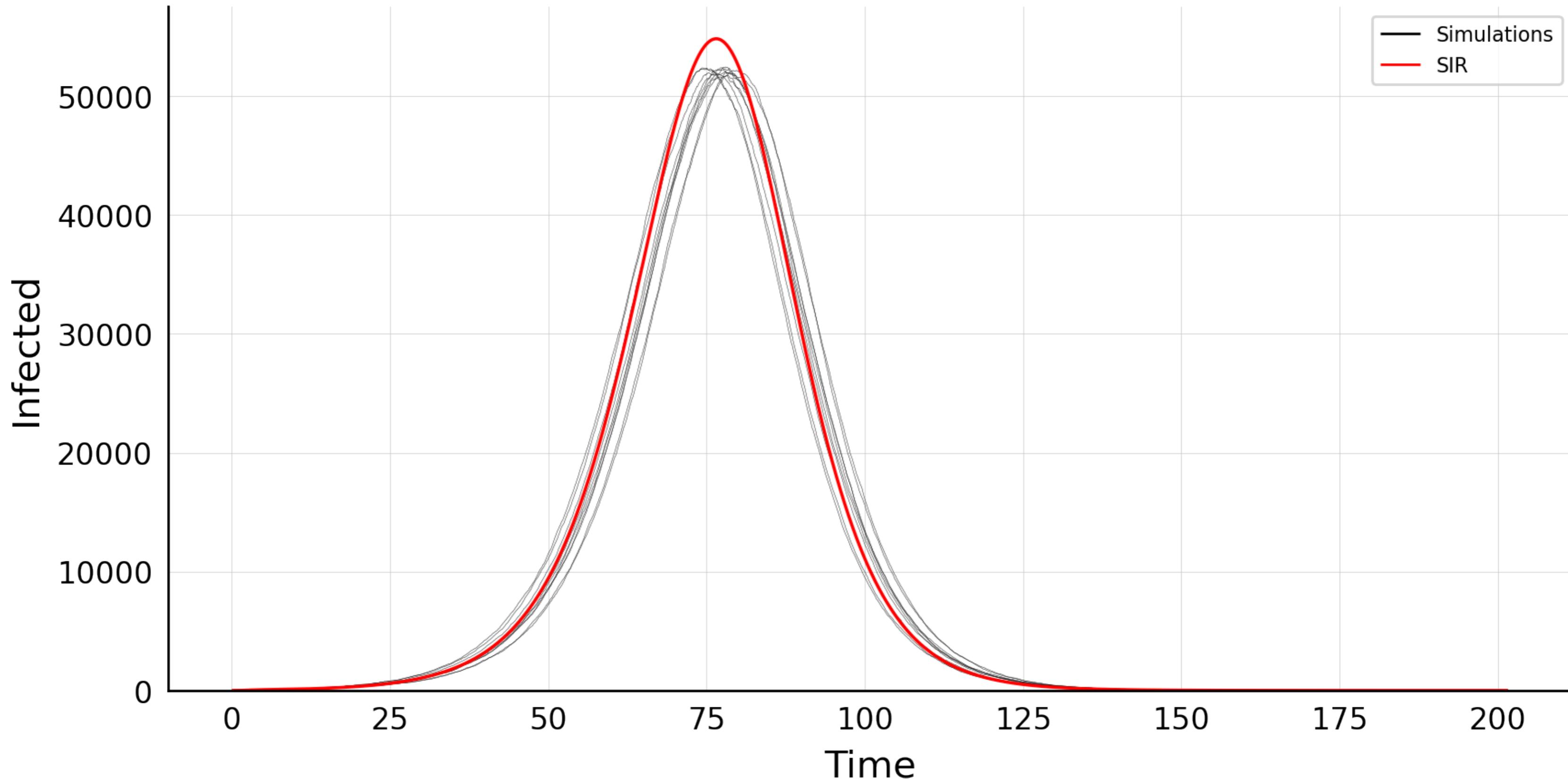
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 $\lambda_E = 1.0$, $\lambda_I = 2.0$, $\epsilon_\rho = 0.01$, $\beta_{\text{scaling}} = 1.0$, $\text{age}_{\text{mixing}} = 1.0$, $\text{algo} = 2$, #10



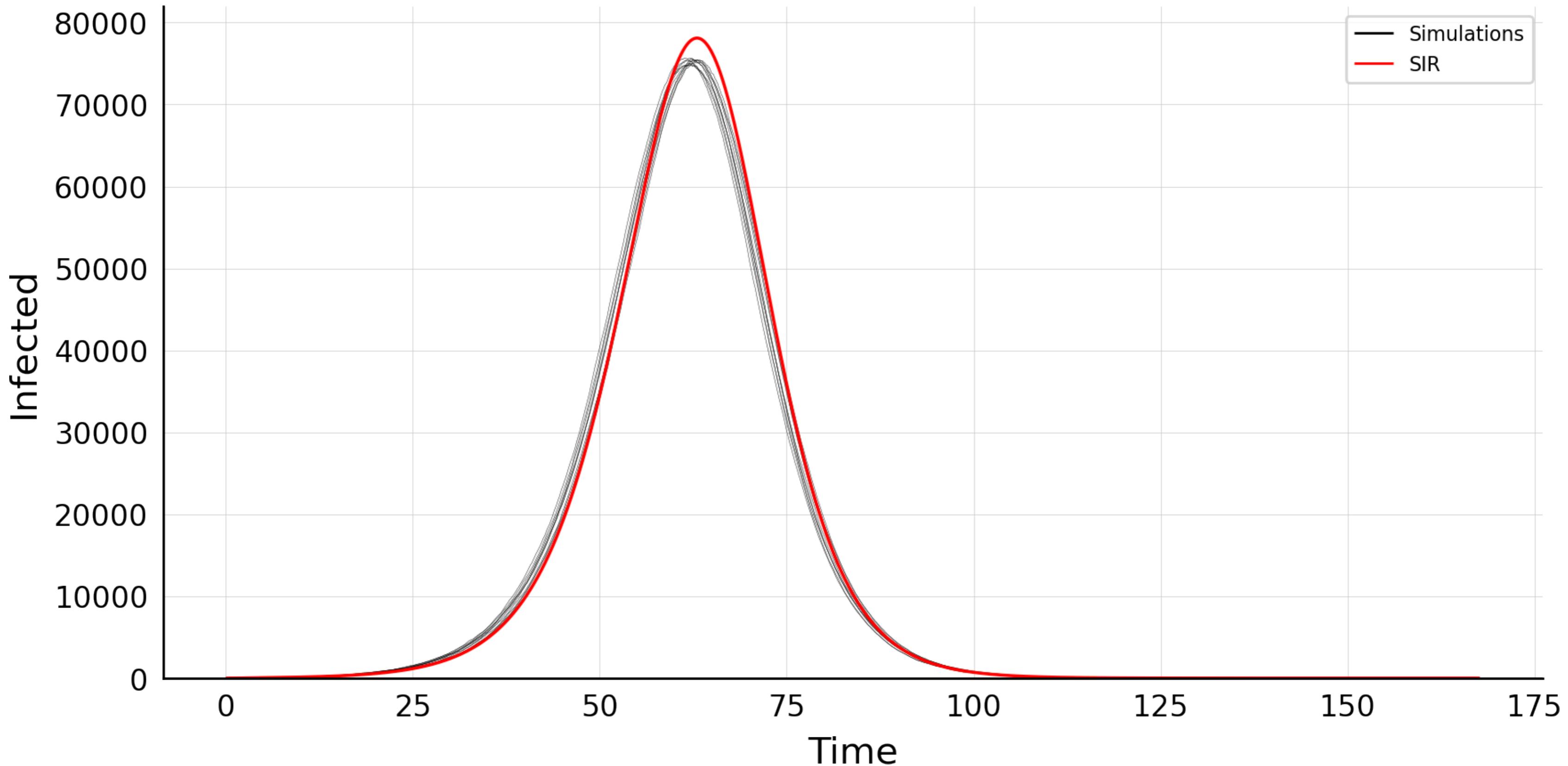
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 $\lambda_E = 1.0$, $\lambda_I = 4.0$, $\epsilon_\rho = 0.01$, $\beta_{\text{scaling}} = 1.0$, $\text{age}_{\text{mixing}} = 1.0$, $\text{algo} = 2$, #10



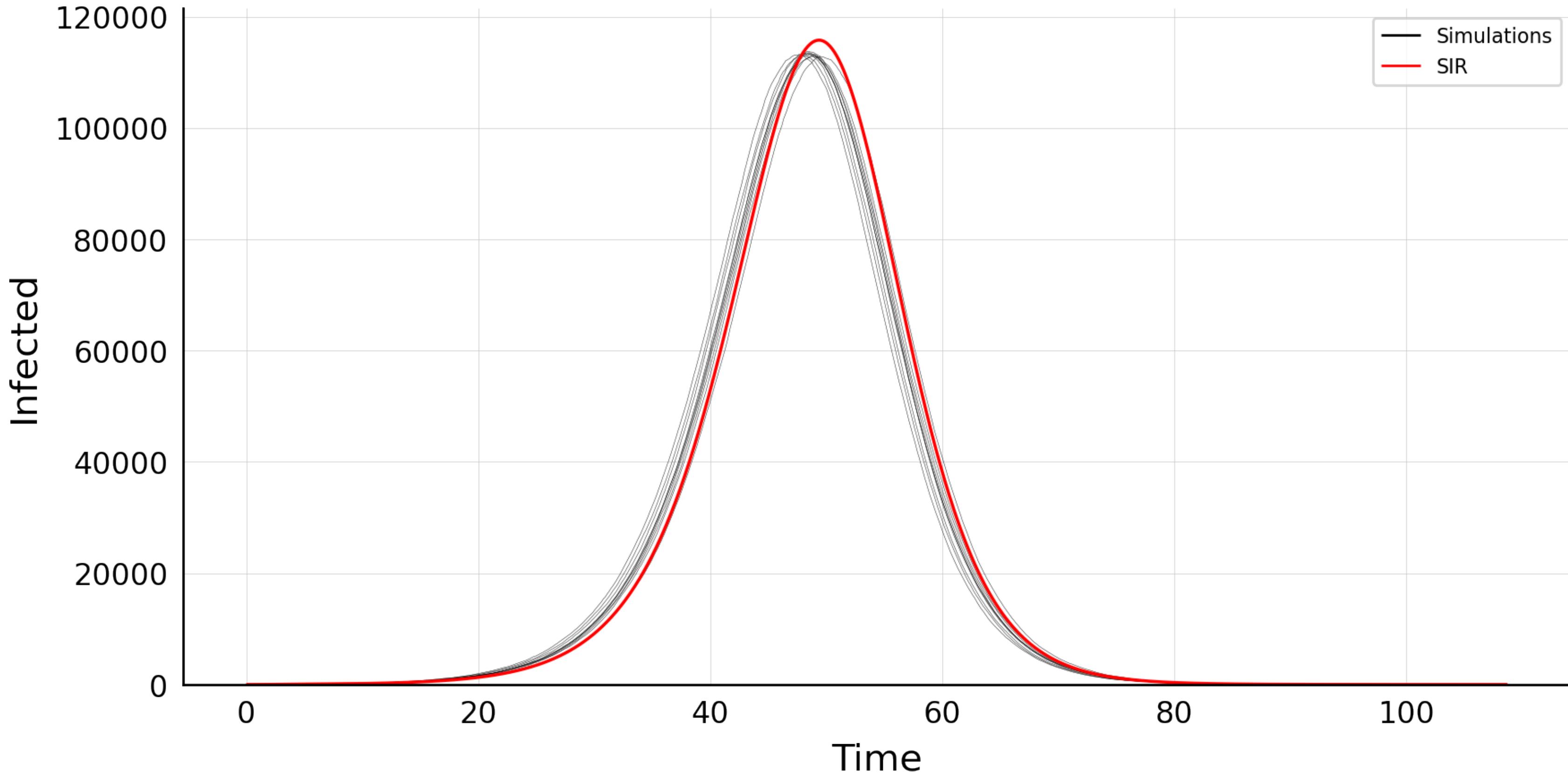
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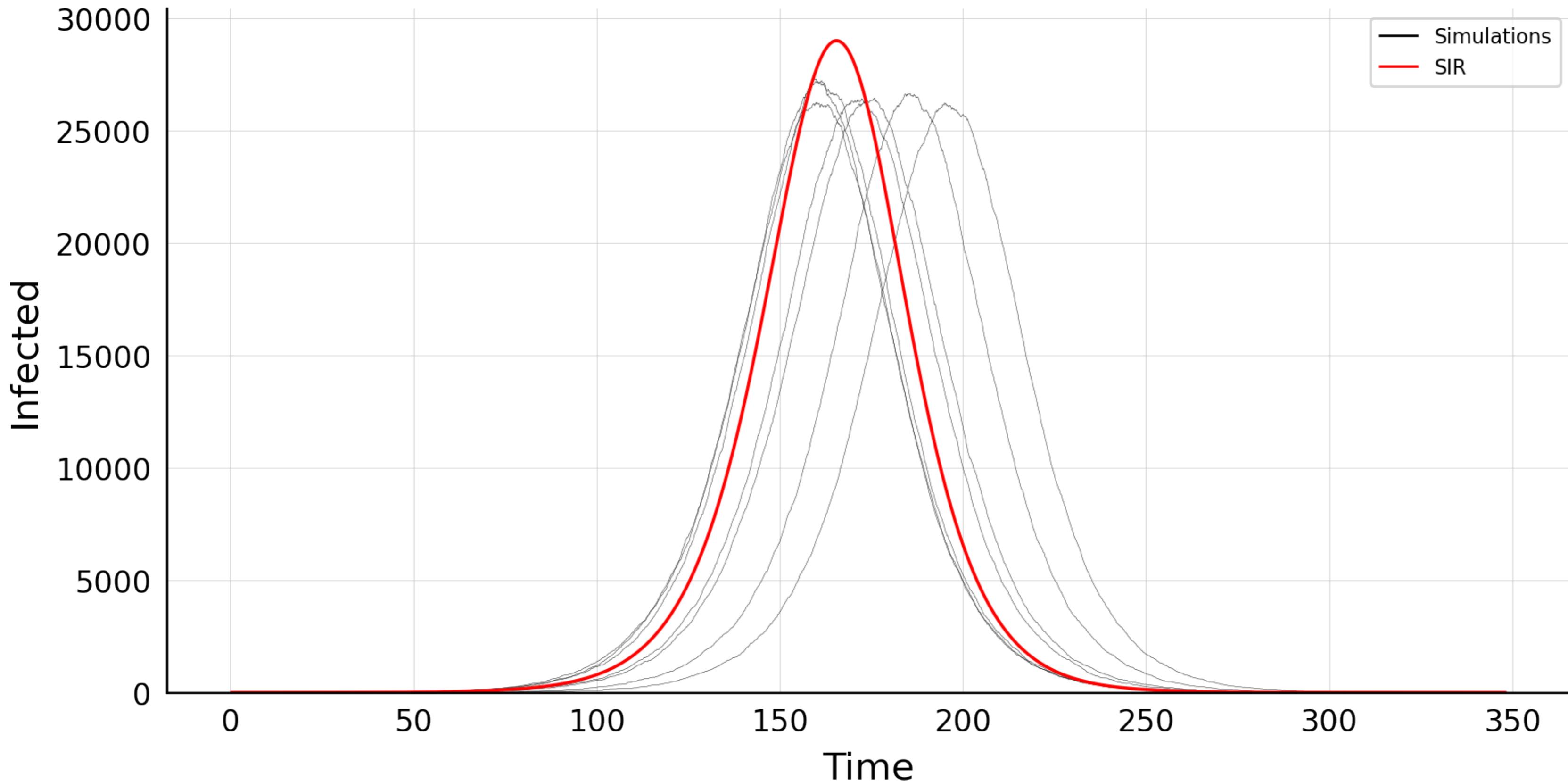
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 $\lambda_E = 1.0$, $\lambda_I = 1.0$, $\epsilon_\rho = 0.01$, $\beta_{\text{scaling}} = 1.0$, $\text{age}_{\text{mixing}} = 1.0$, $\text{algo} = 2$, $\#10$



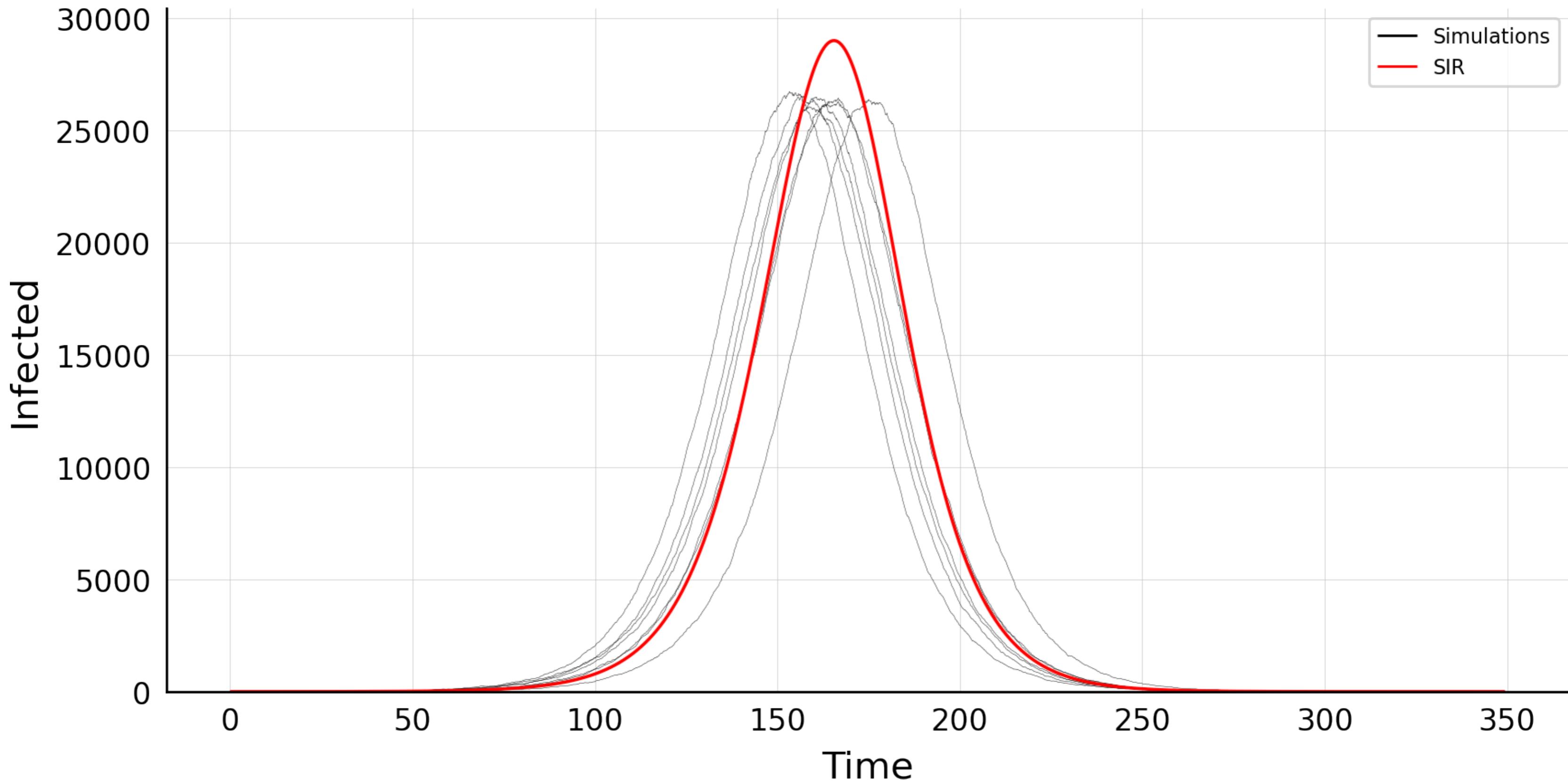
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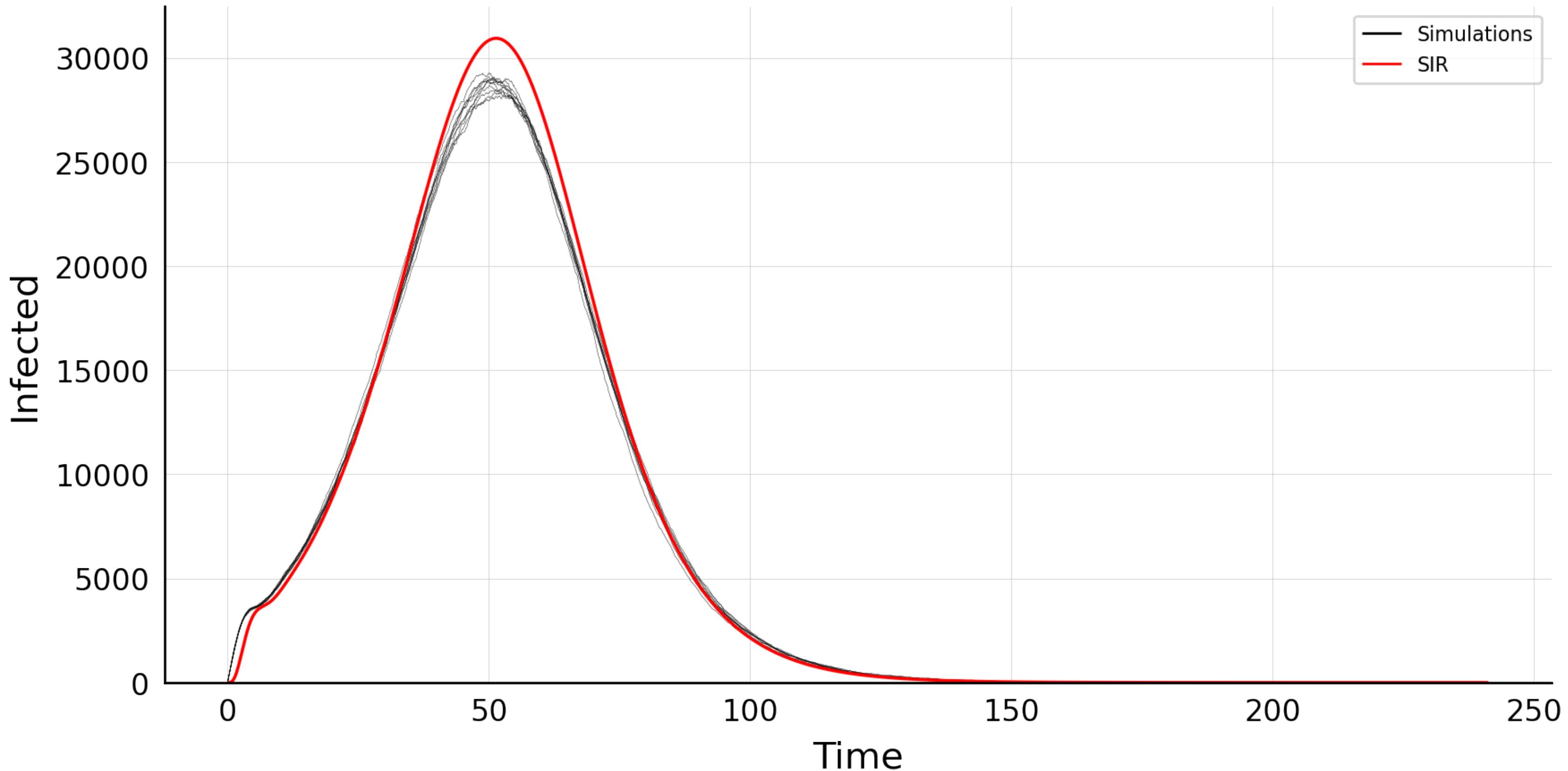
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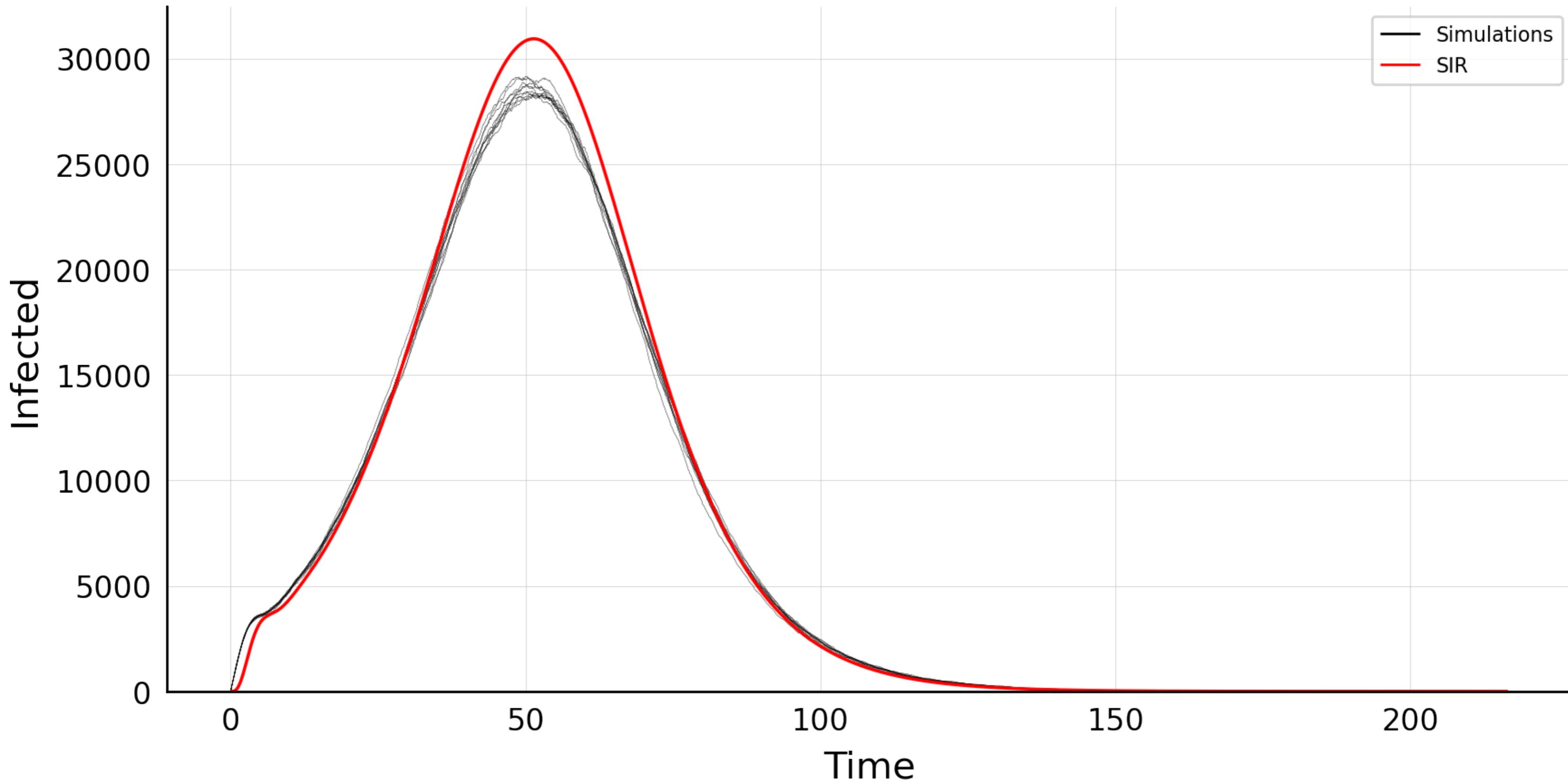
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 $\lambda_E = 1.0$, $\lambda_I = 1.0$, $\epsilon_\rho = 0.01$, $\beta_{\text{scaling}} = 1.0$, $\text{age}_{\text{mixing}} = 1.0$, $\text{algo} = 2$, #10



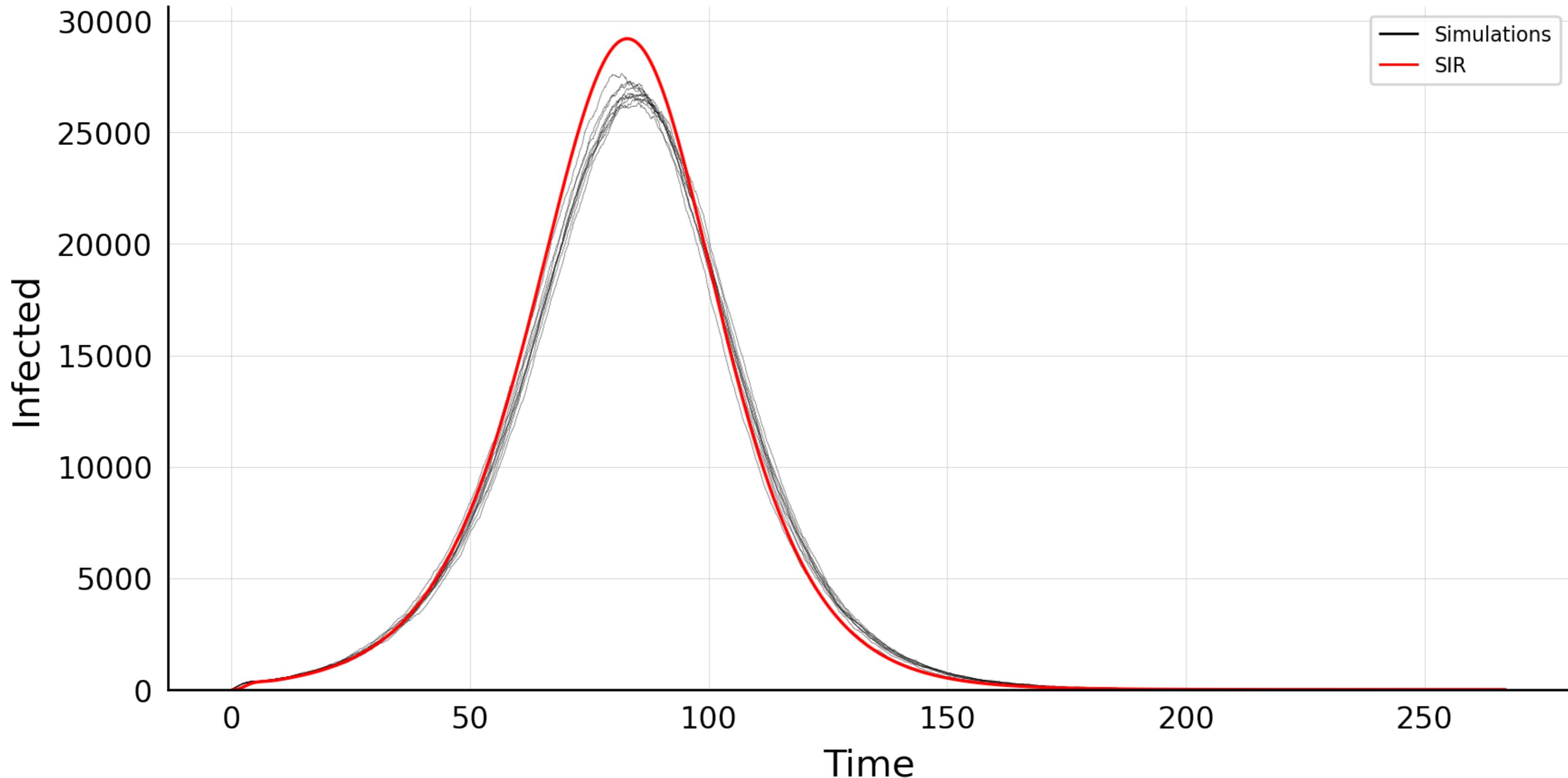
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 $\lambda_E = 1.0$, $\lambda_I = 1.0$, $\epsilon_\rho = 0.01$, $\beta_{\text{scaling}} = 1.0$, $\text{age}_{\text{mixing}} = 1.0$, $\text{algo} = 1$, $\#10$



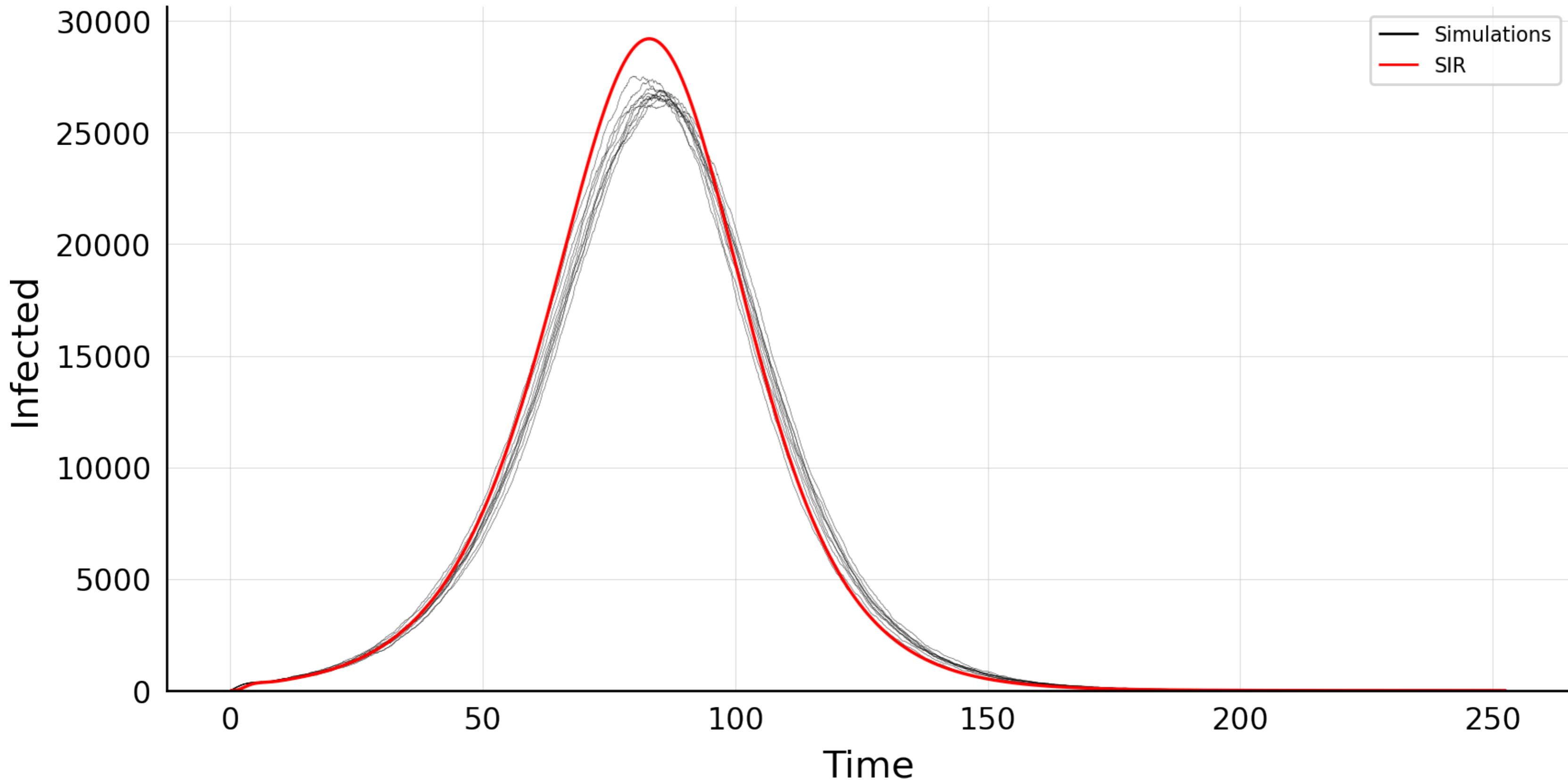
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 $\lambda_E = 1.0$, $\lambda_I = 1.0$, $\epsilon_\rho = 0.01$, $\beta_{\text{scaling}} = 1.0$, $\text{age}_{\text{mixing}} = 1.0$, $\text{algo} = 2$, #10



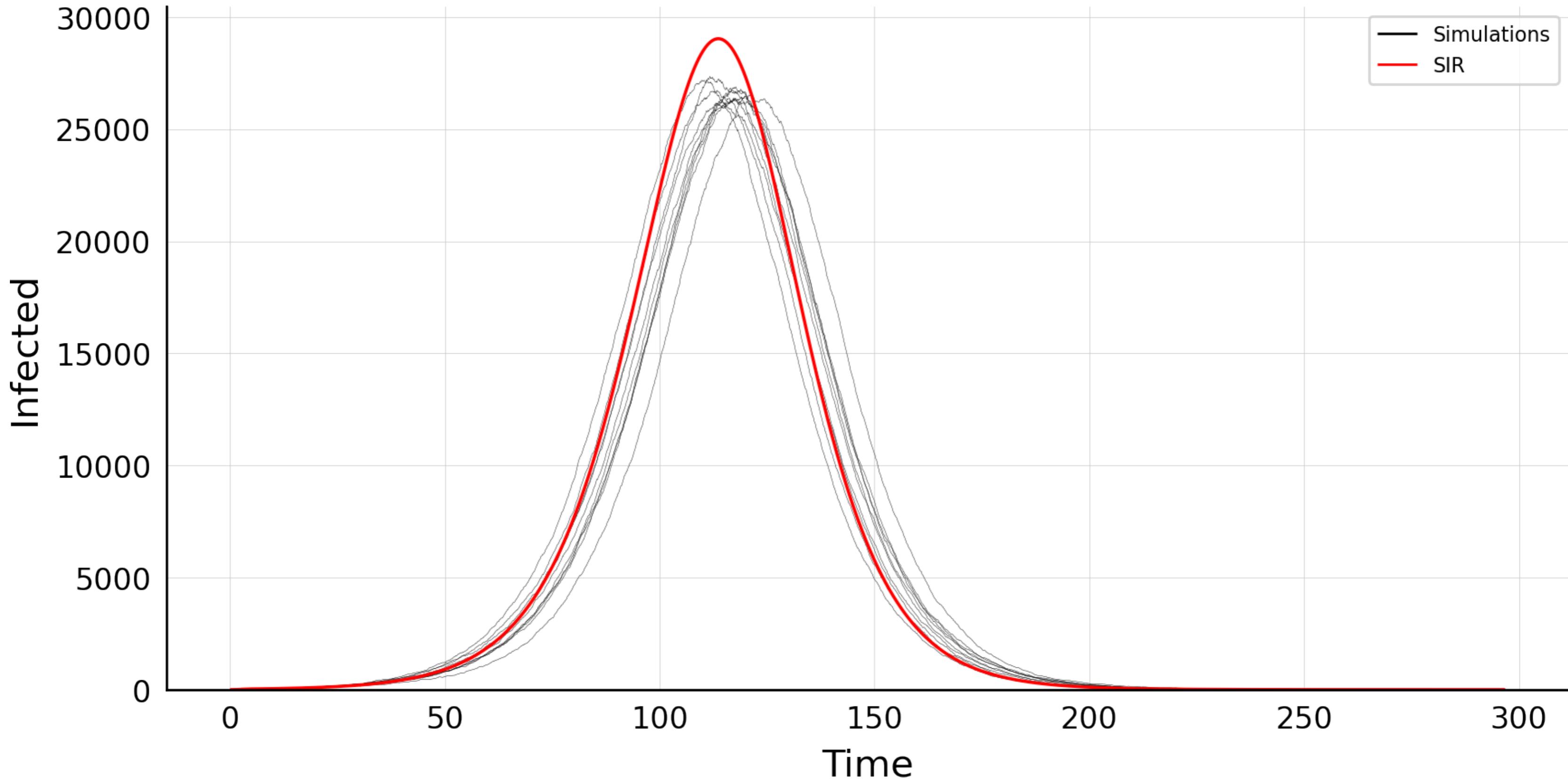
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 $\lambda_E = 1.0$, $\lambda_I = 1.0$, $\epsilon_\rho = 0.01$, $\beta_{\text{scaling}} = 1.0$, $\text{age}_{\text{mixing}} = 1.0$, $\text{algo} = 1$, #10



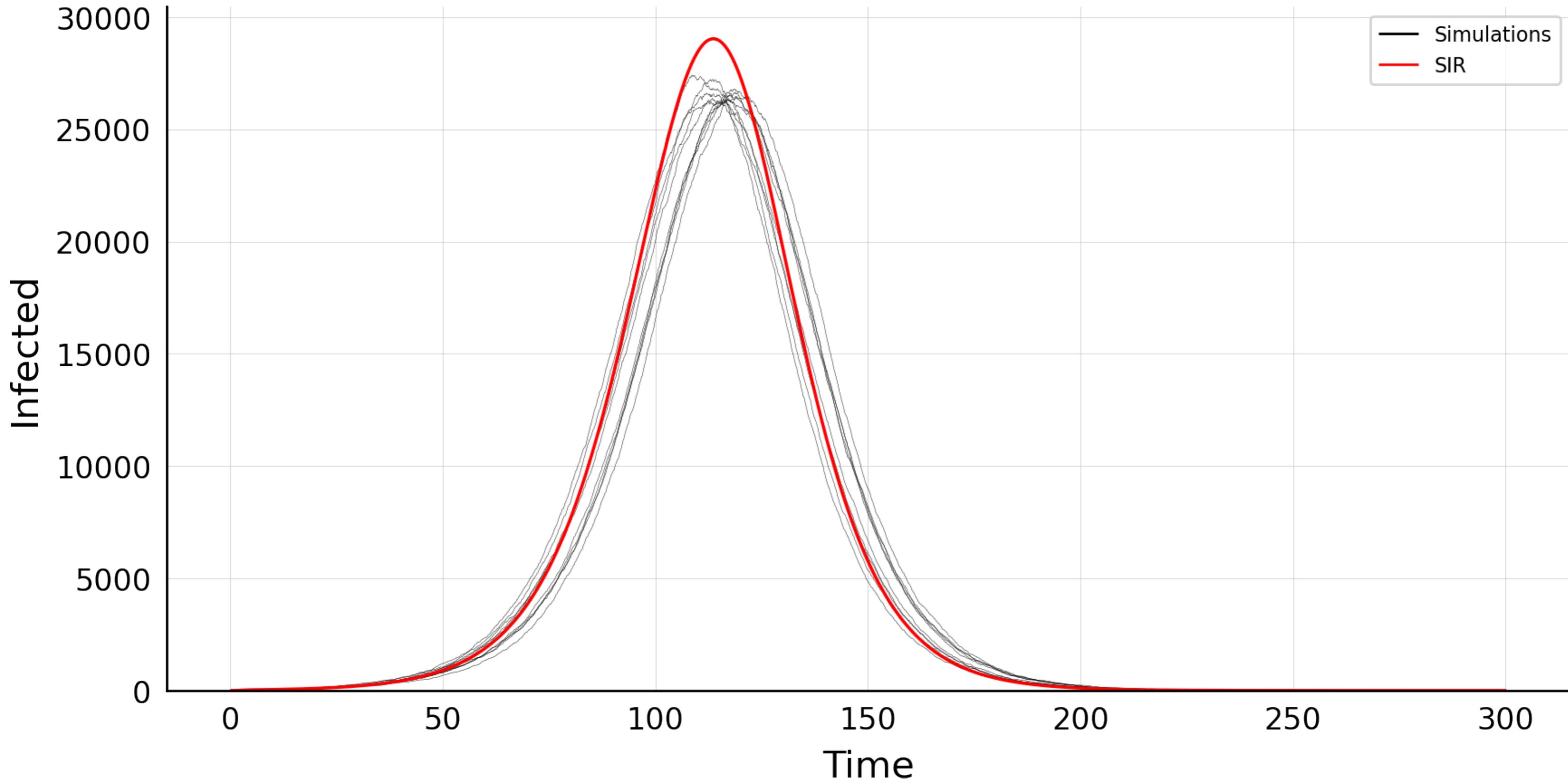
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 500$, $N_{\text{ages}} = 1$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, $\rho = 0.0$
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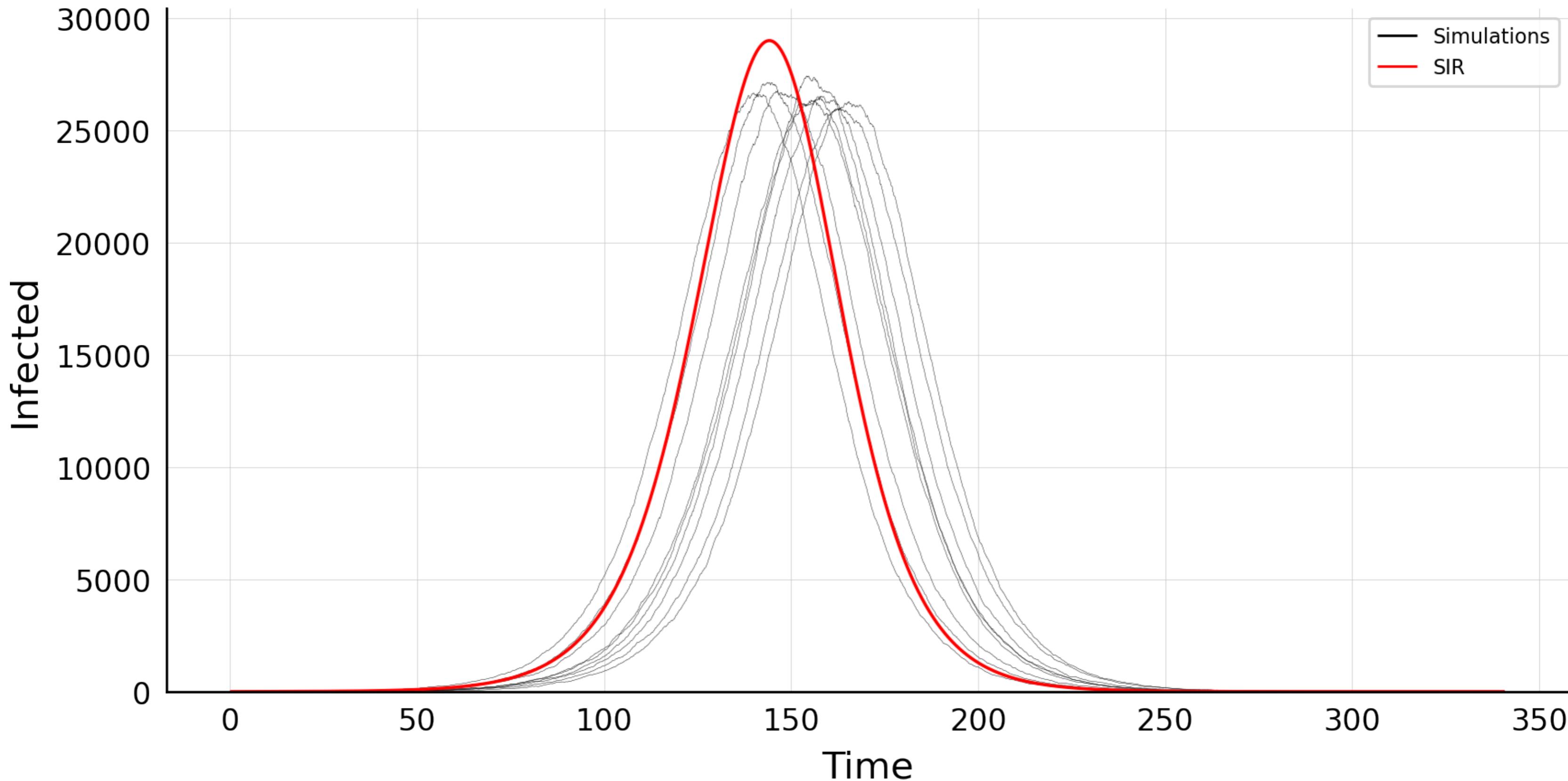
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 50$, $N_{\text{ages}} = 1$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, $\rho = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, $\epsilon_\rho = 0.01$, $\beta_{\text{scaling}} = 1.0$, $\text{age}_{\text{mixing}} = 1.0$, $\text{algo} = 1$, $\#10$



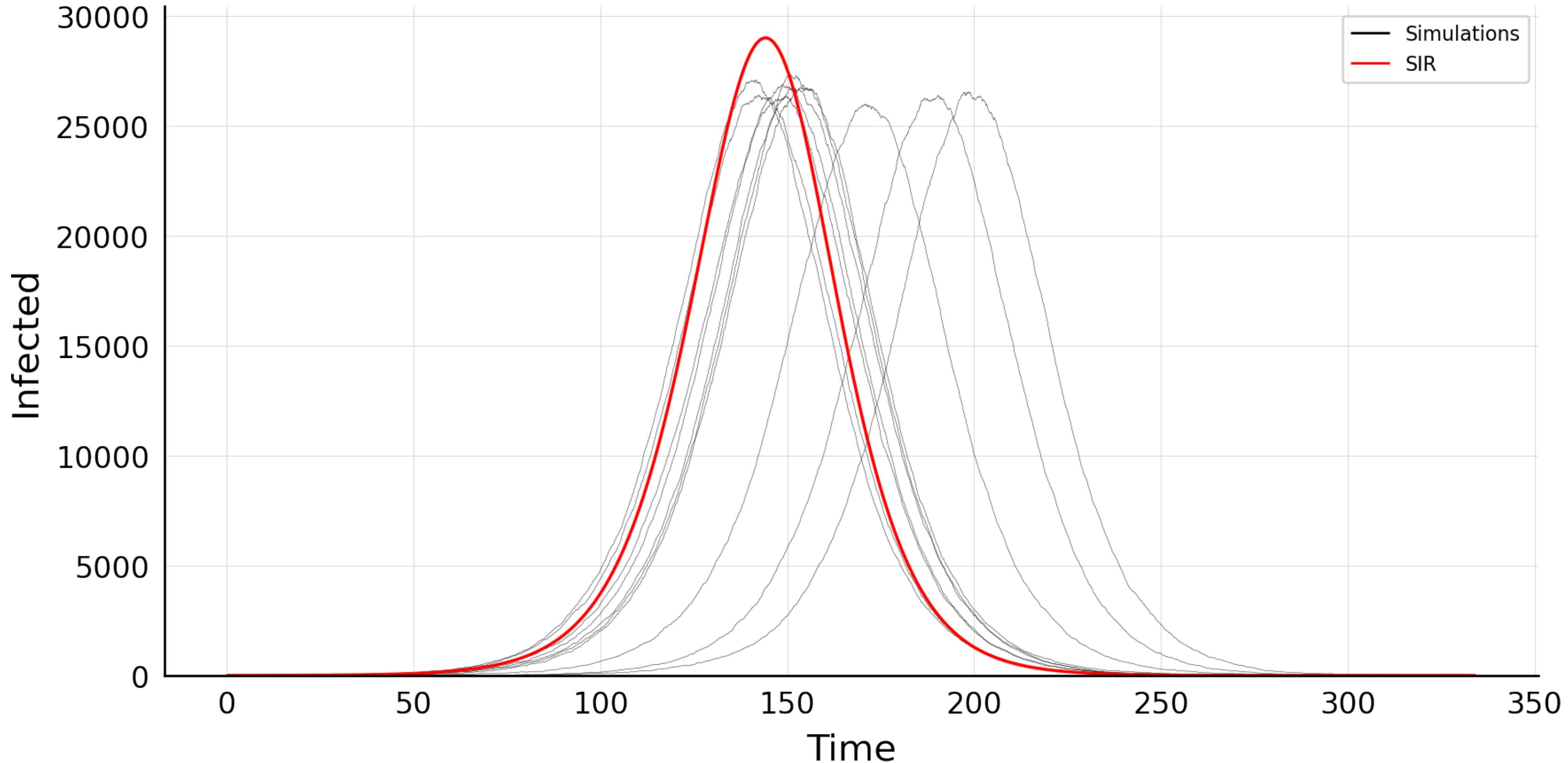
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 $\lambda_E = 1.0$, $\lambda_I = 1.0$, $\epsilon_\rho = 0.01$, $\beta_{\text{scaling}} = 1.0$, $\text{age}_{\text{mixing}} = 1.0$, $\text{algo} = 2$, #10



$N_{\text{tot}} = 580K$, $N_{\text{init}} = 5$, $N_{\text{ages}} = 1$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, $\rho = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, $\epsilon_\rho = 0.01$, $\beta_{\text{scaling}} = 1.0$, $\text{age}_{\text{mixing}} = 1.0$, $\text{algo} = 1$, #10



$N_{\text{tot}} = 580K$, $N_{\text{init}} = 5$, $N_{\text{ages}} = 1$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, $\rho = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, $\epsilon_\rho = 0.01$, $\beta_{\text{scaling}} = 1.0$, $\text{age}_{\text{mixing}} = 1.0$, $\text{algo} = 2$, #10



$N_{\text{tot}} = 58K$, $N_{\text{init}} = 100$, $N_{\text{ages}} = 1$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, $\rho = 0.0$
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