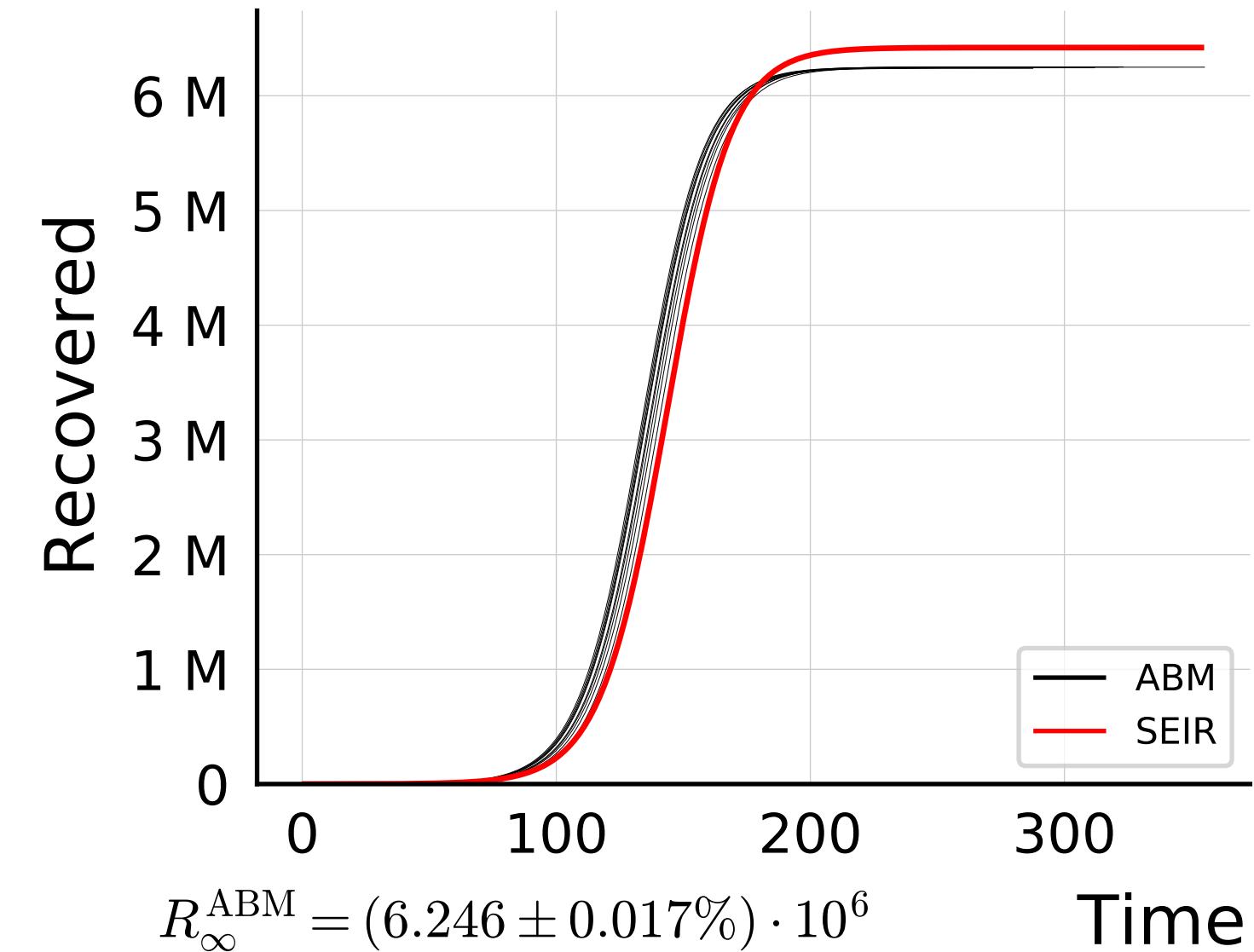
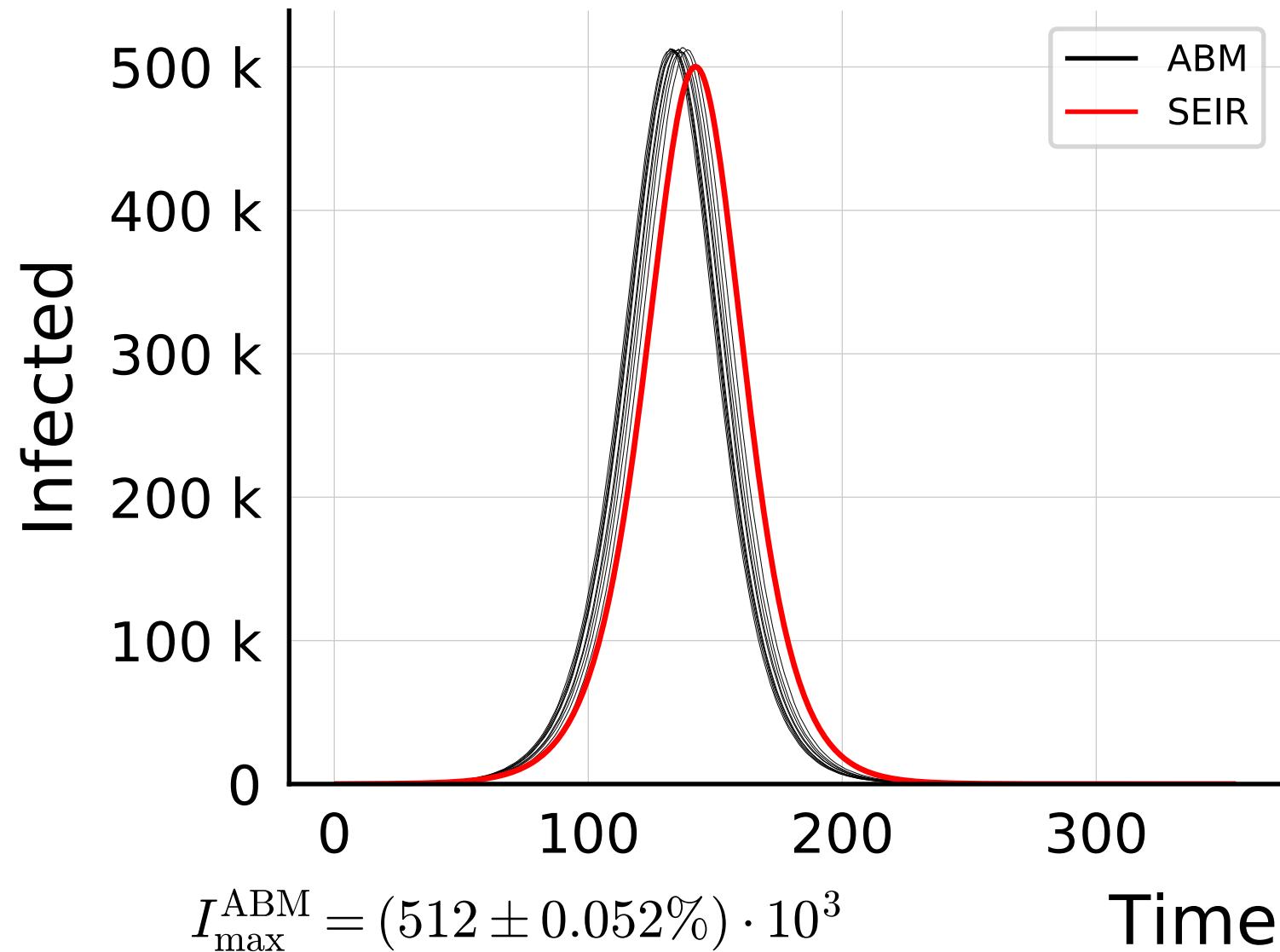
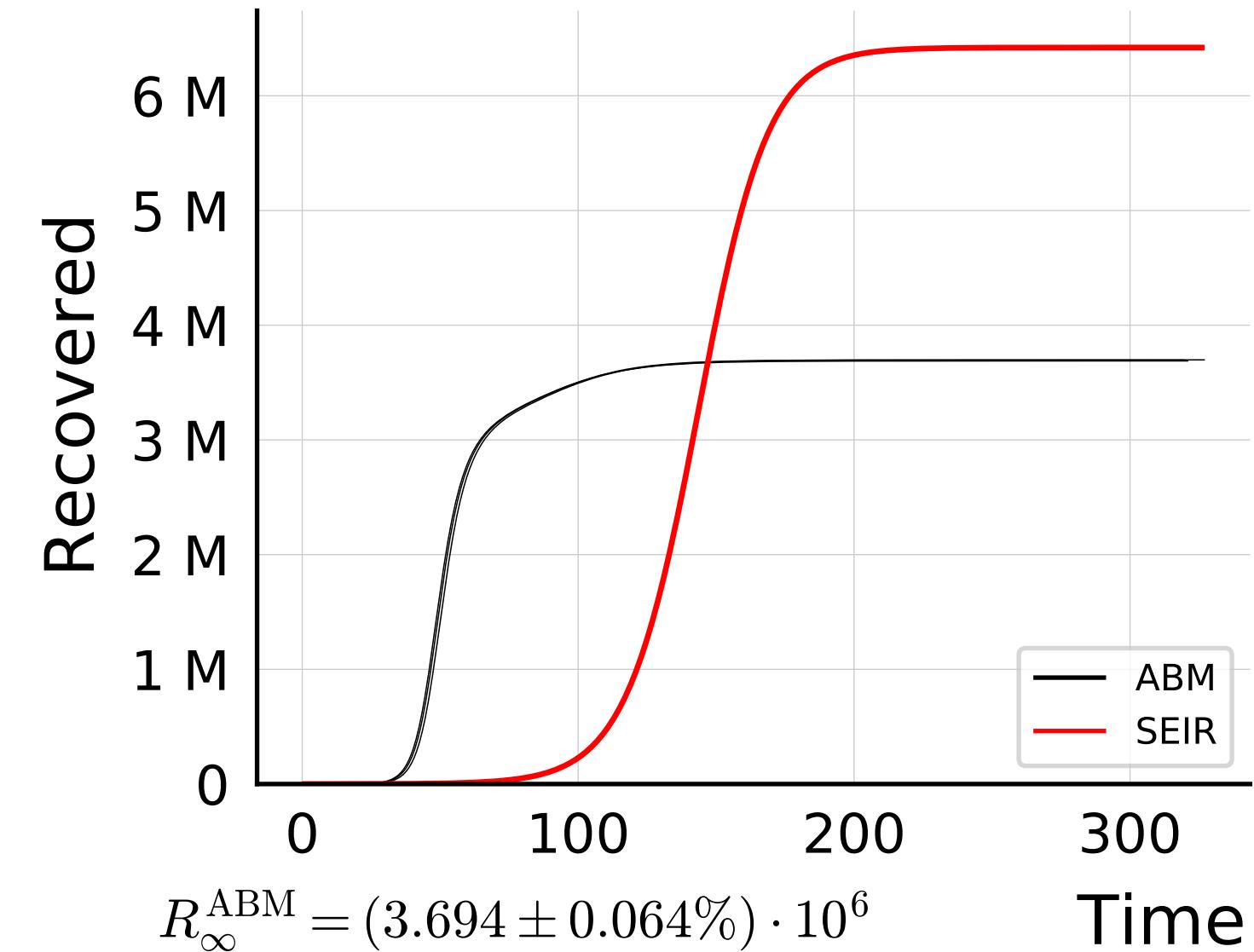
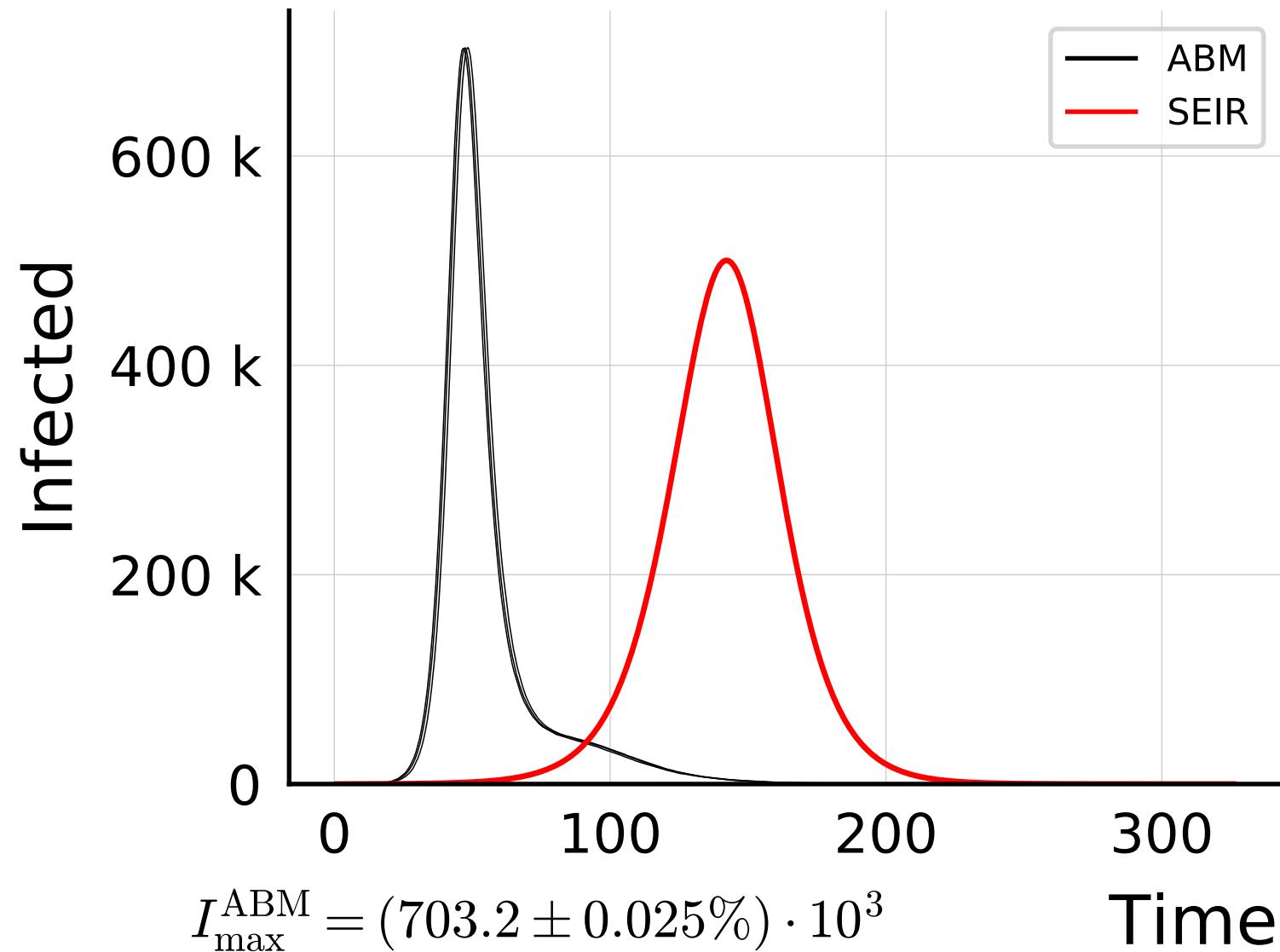


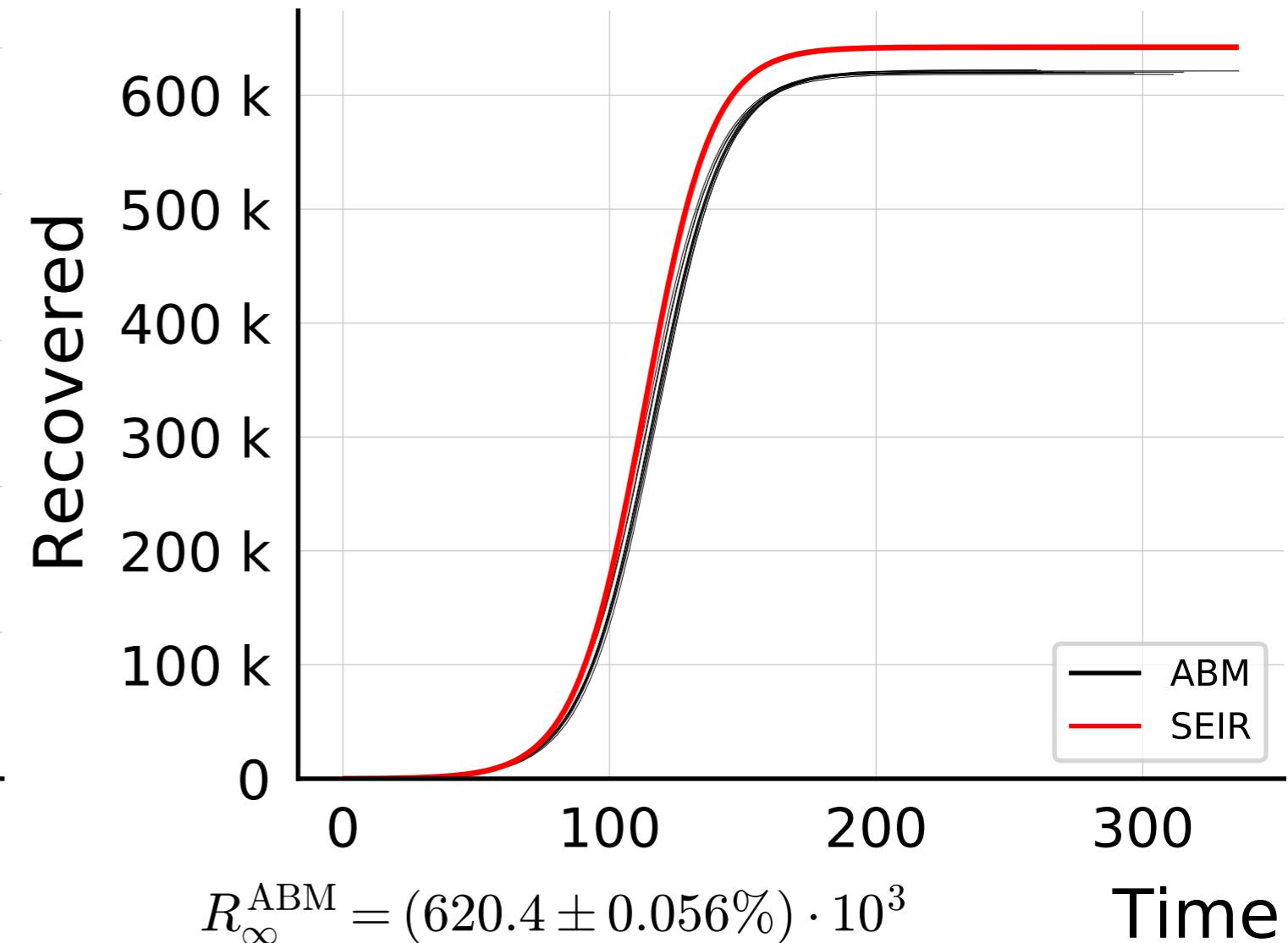
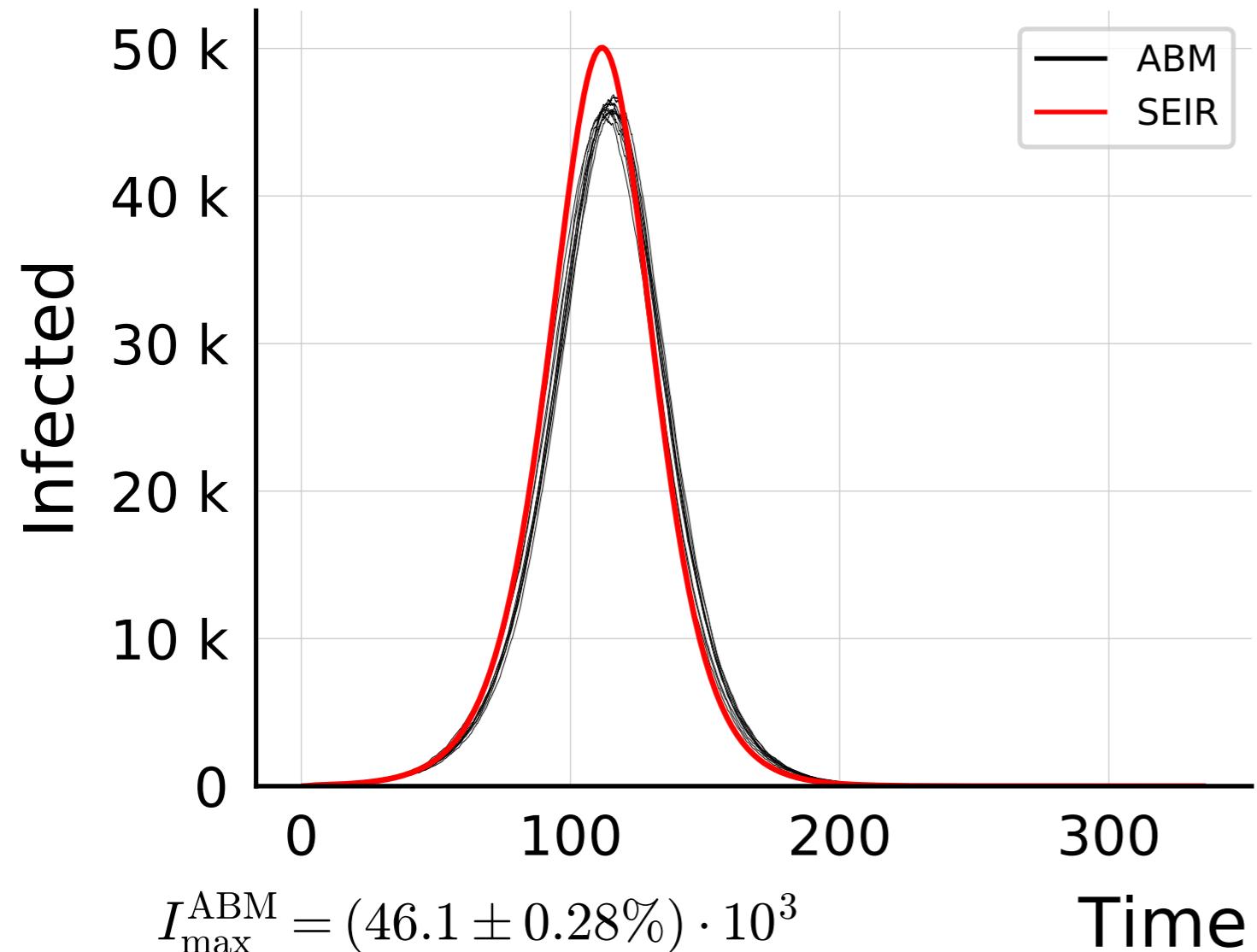
$N_{\text{tot}} = 10M$ ,  $N_{\text{init}} = 100$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , algo = 2, #10



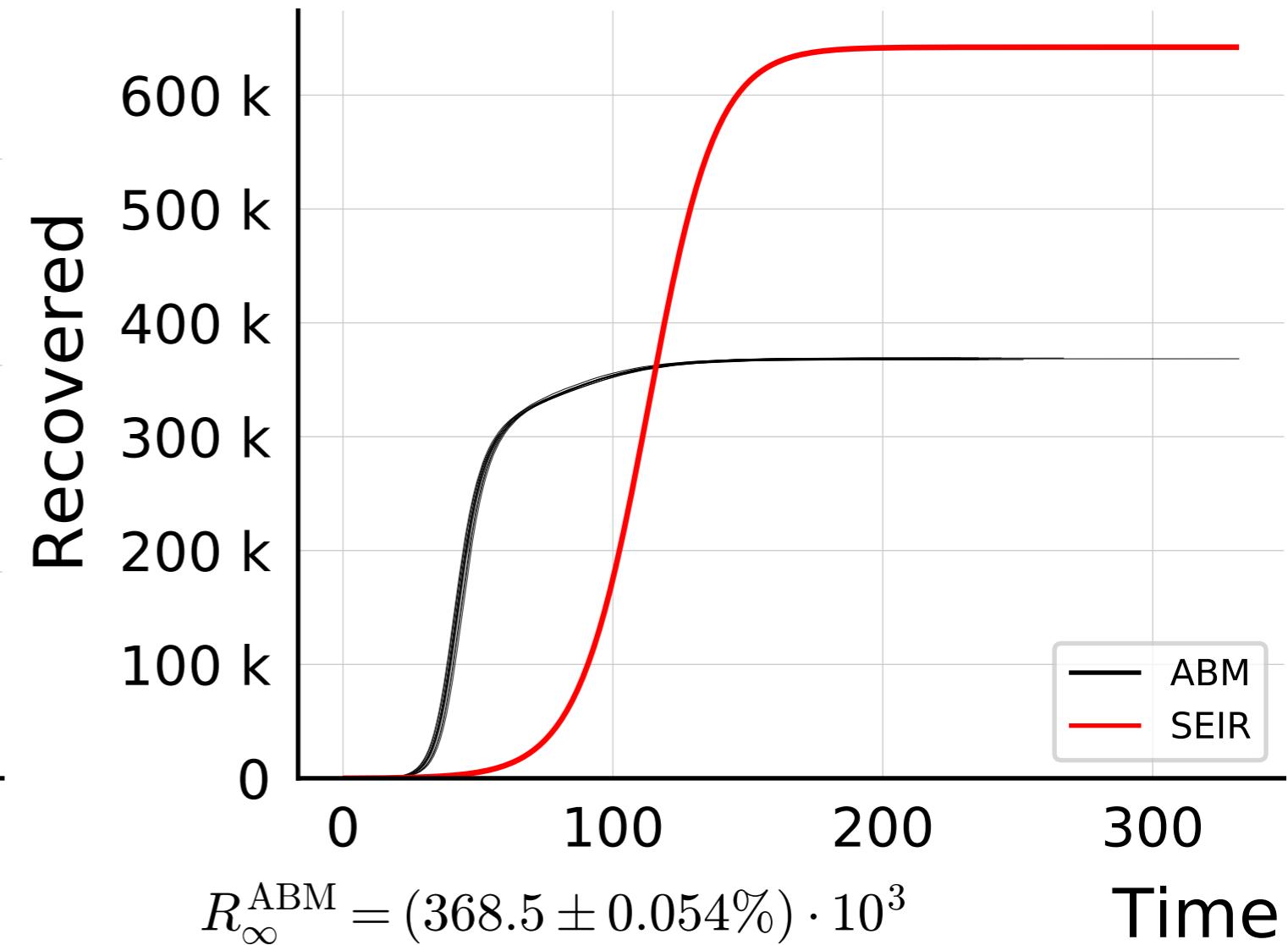
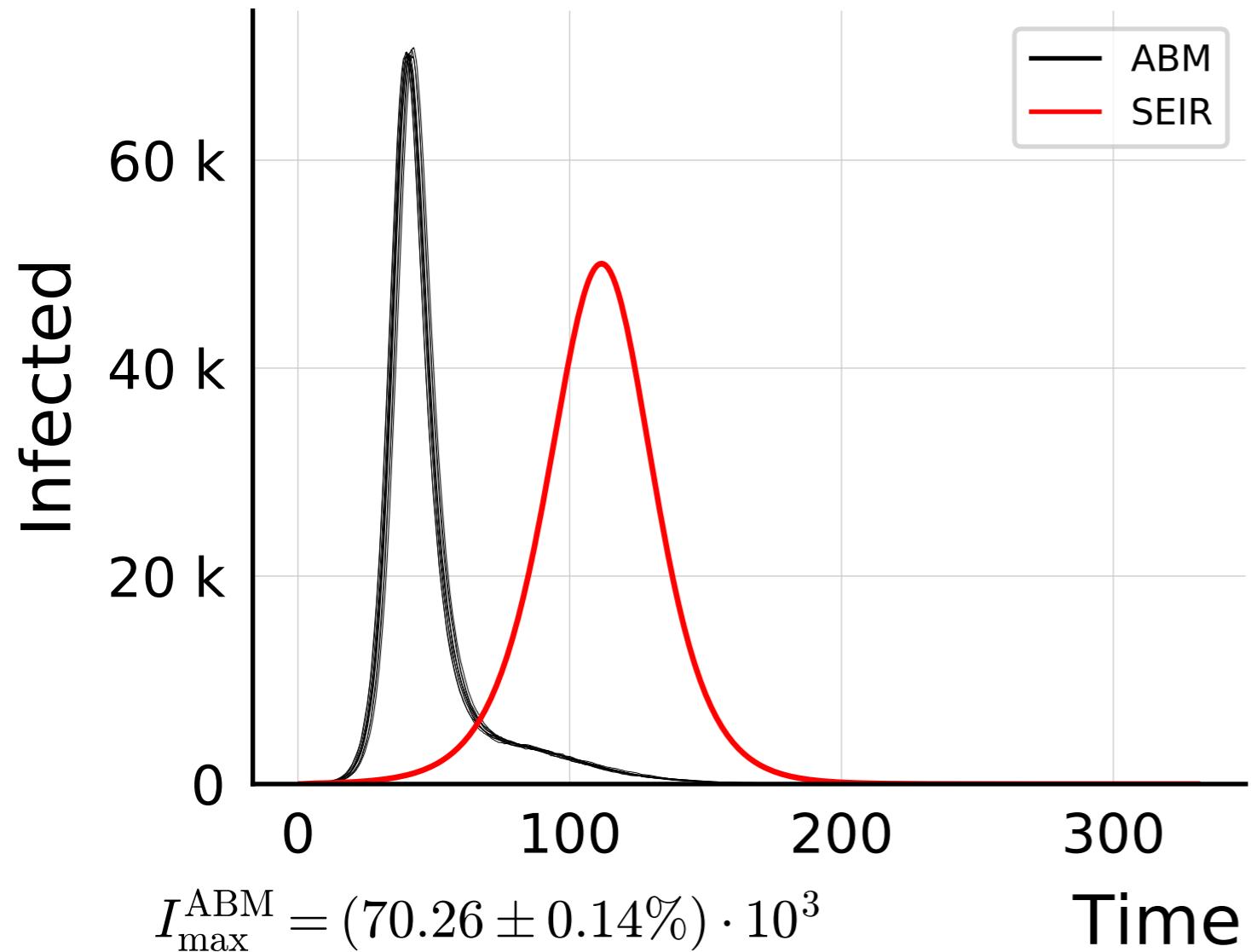
$N_{\text{tot}} = 10M$ ,  $N_{\text{init}} = 100$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , algo = 2, #3



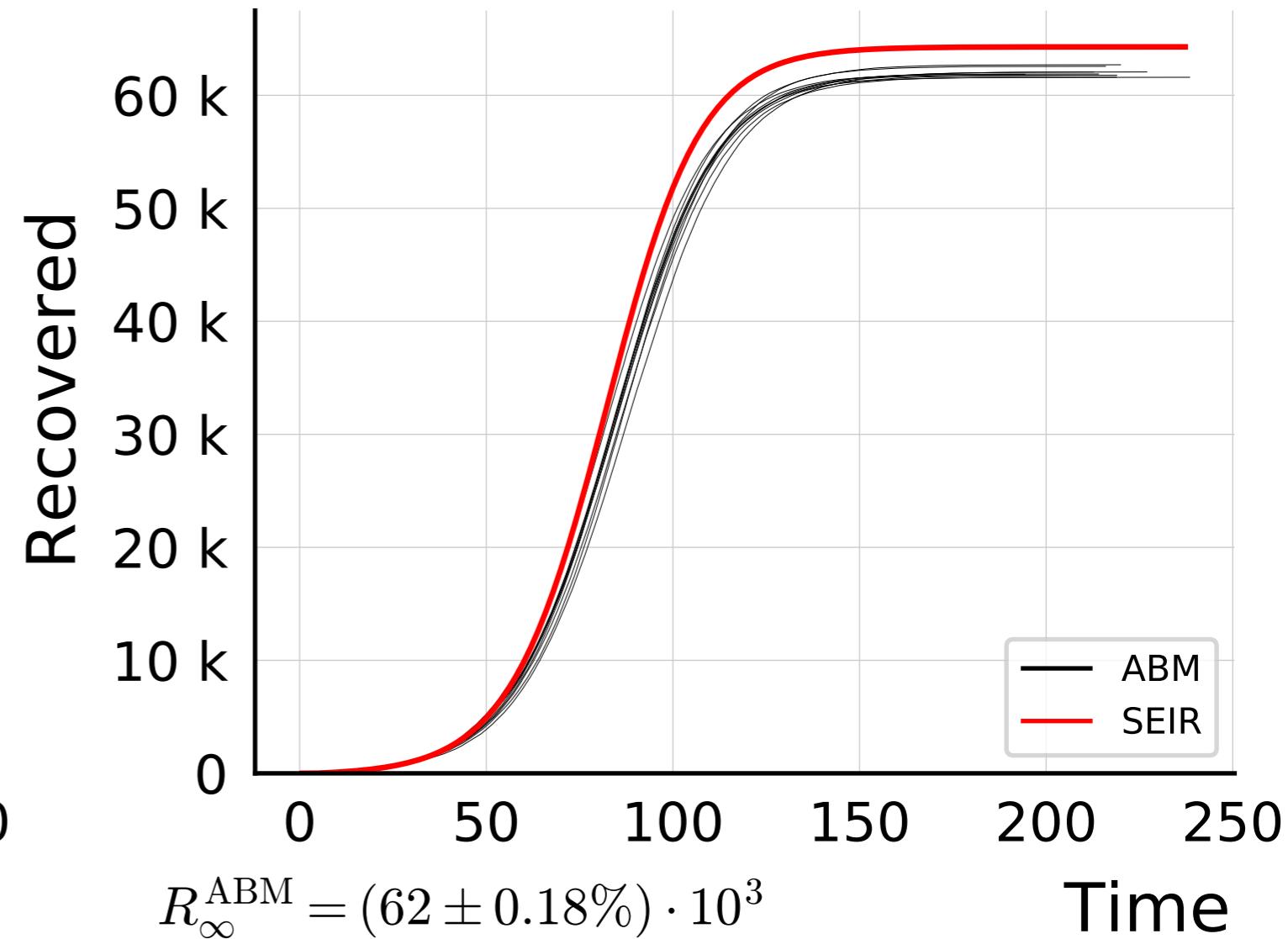
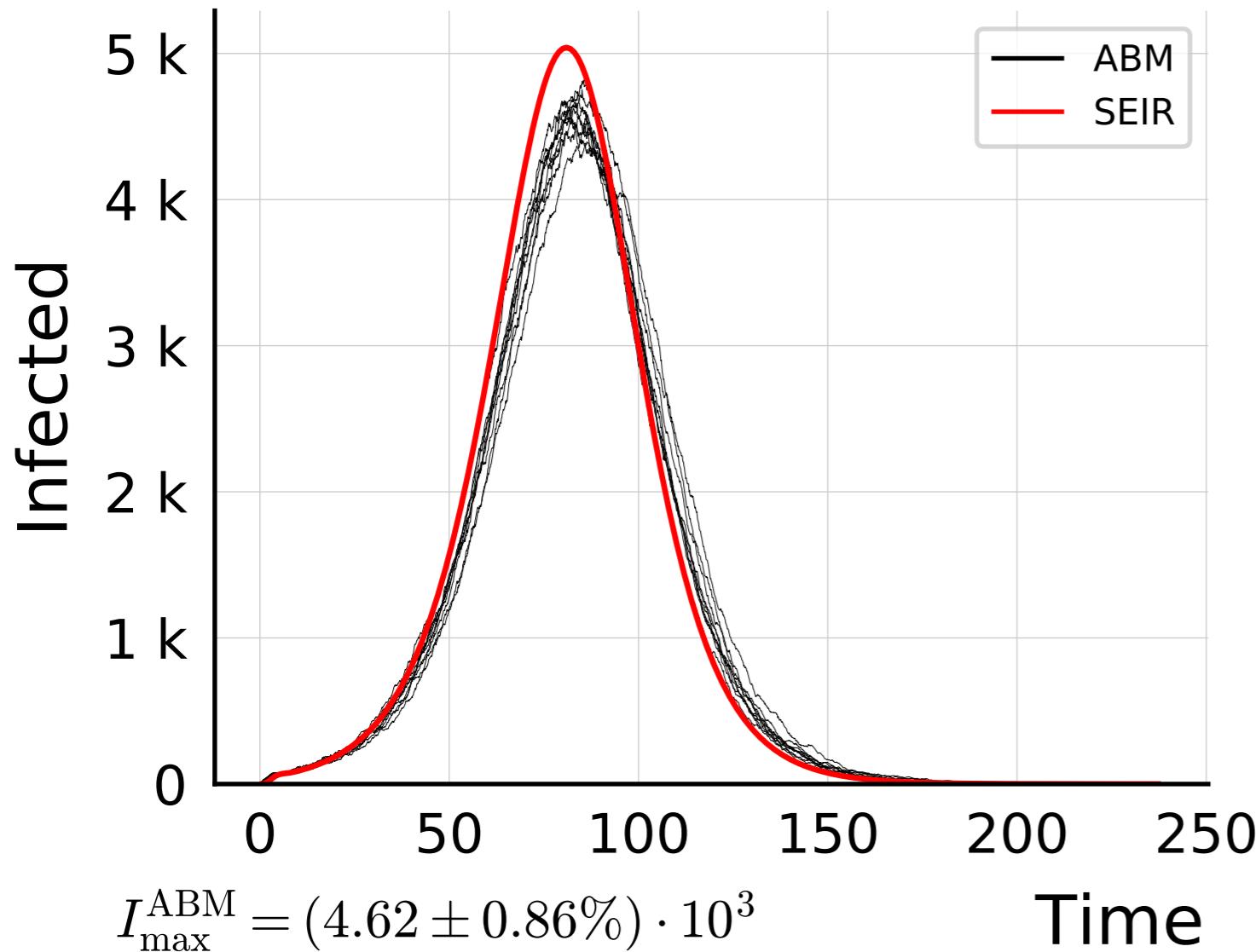
$N_{\text{tot}} = 1M$ ,  $N_{\text{init}} = 100$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , algo = 2, #10



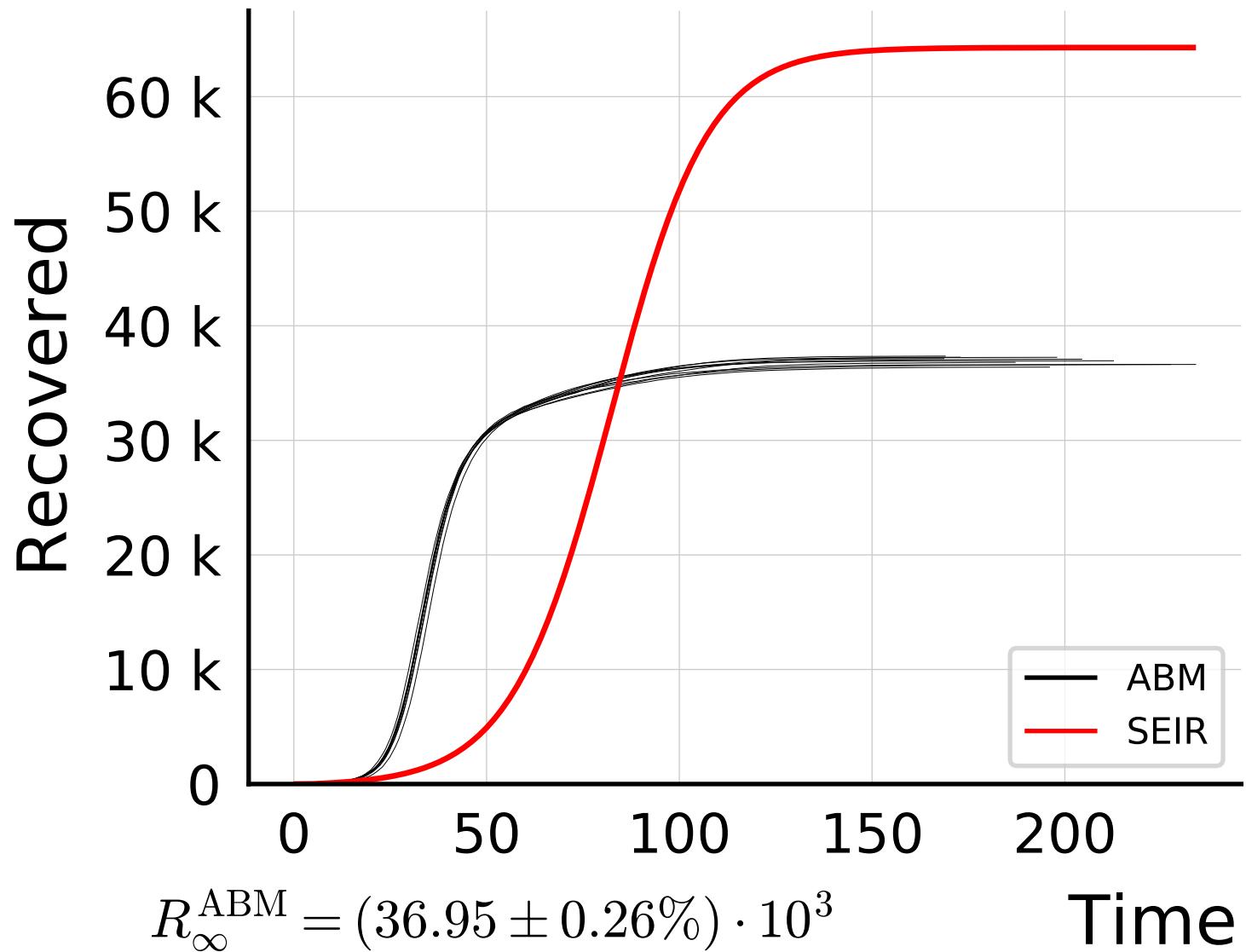
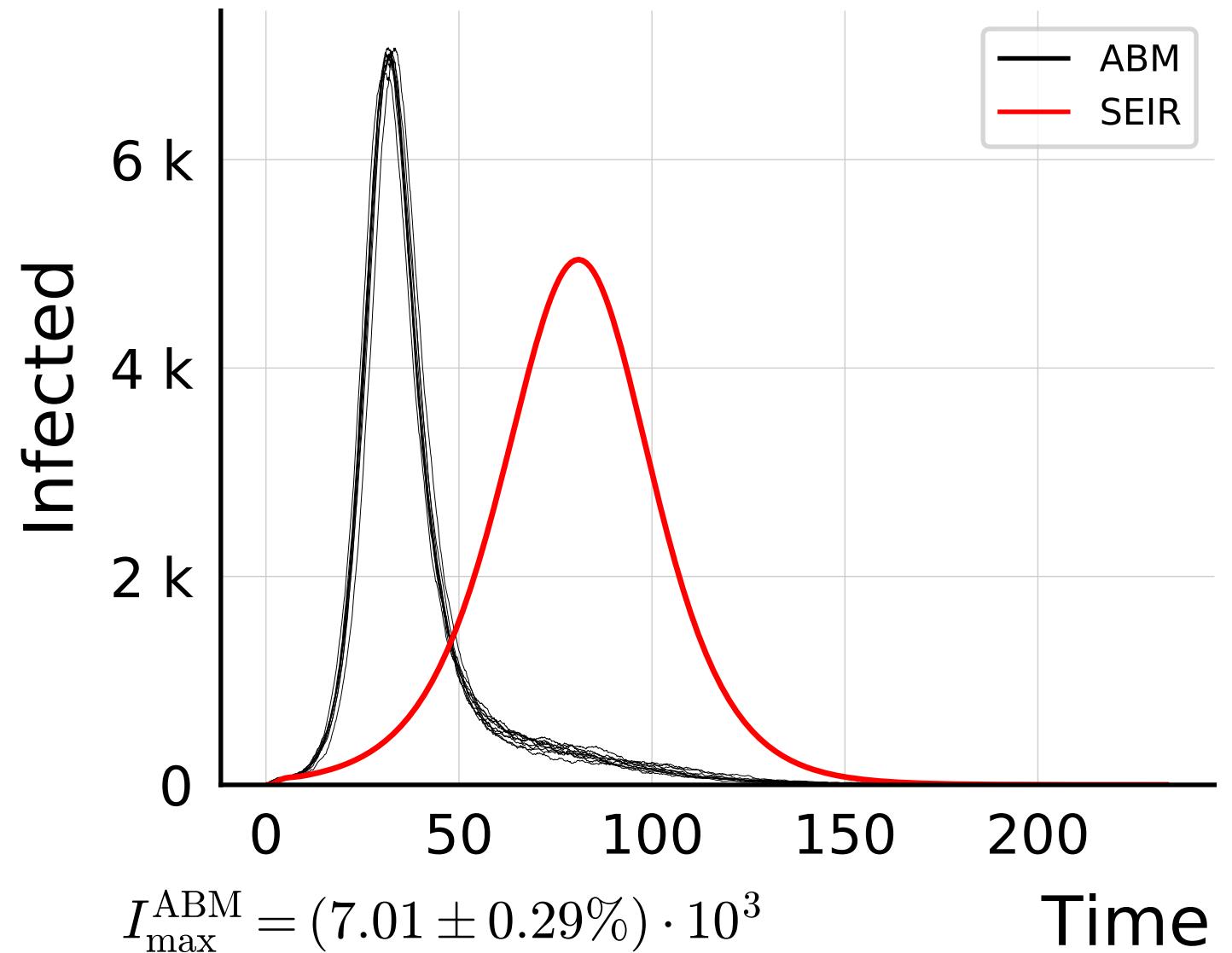
$N_{\text{tot}} = 1M$ ,  $N_{\text{init}} = 100$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , algo = 2, #10



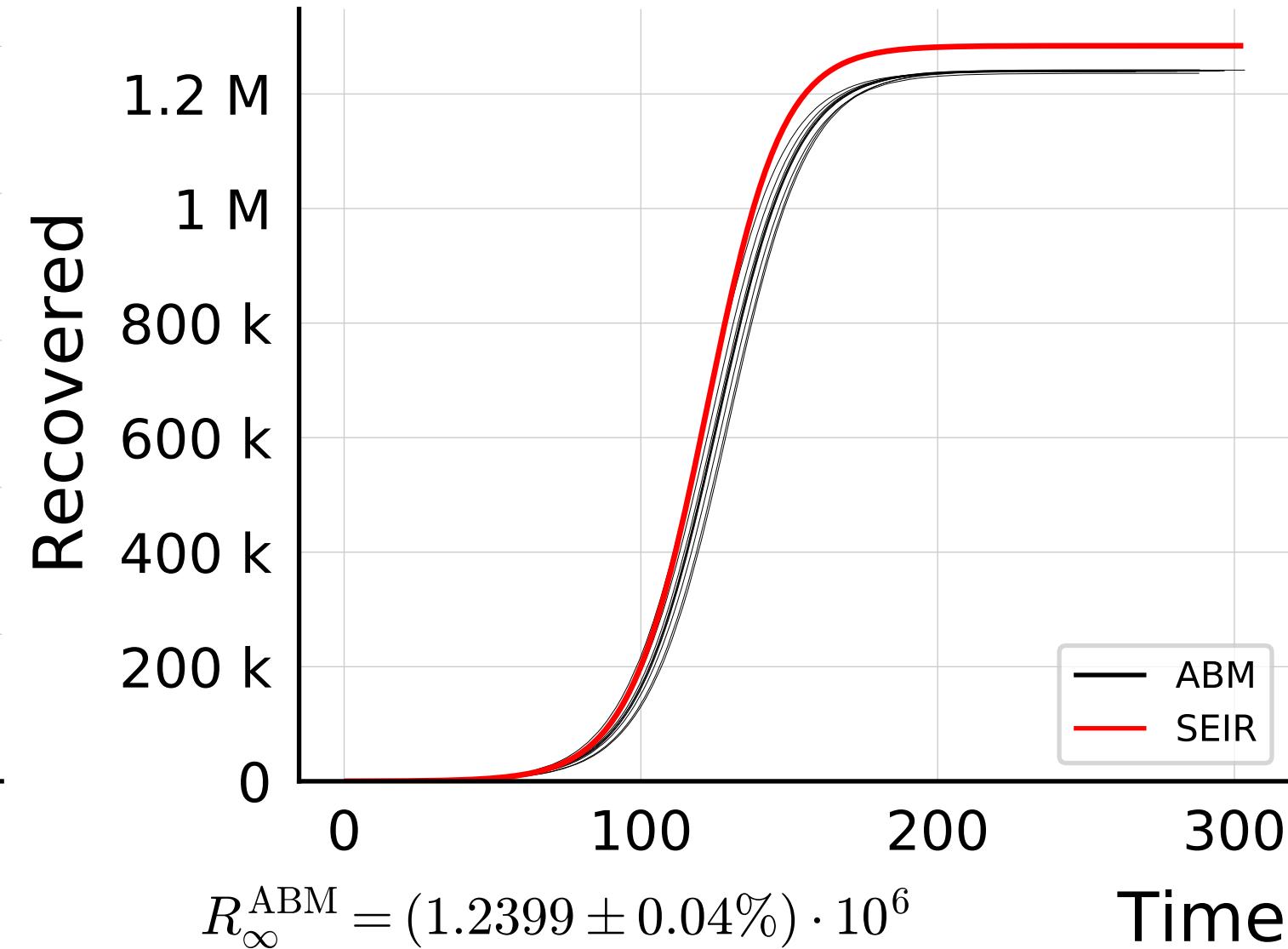
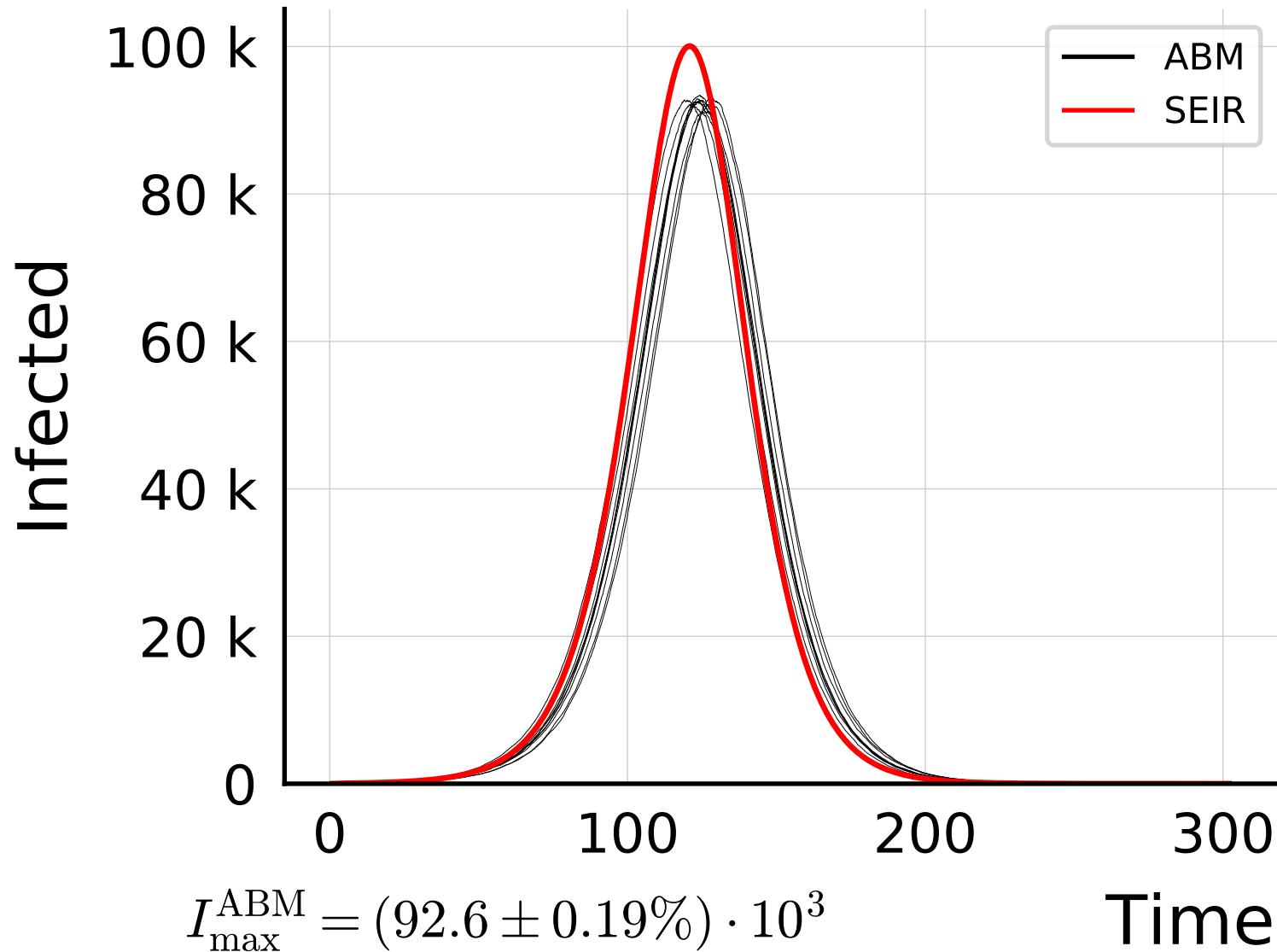
$N_{\text{tot}} = 100K$ ,  $N_{\text{init}} = 100$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , algo = 2, #10



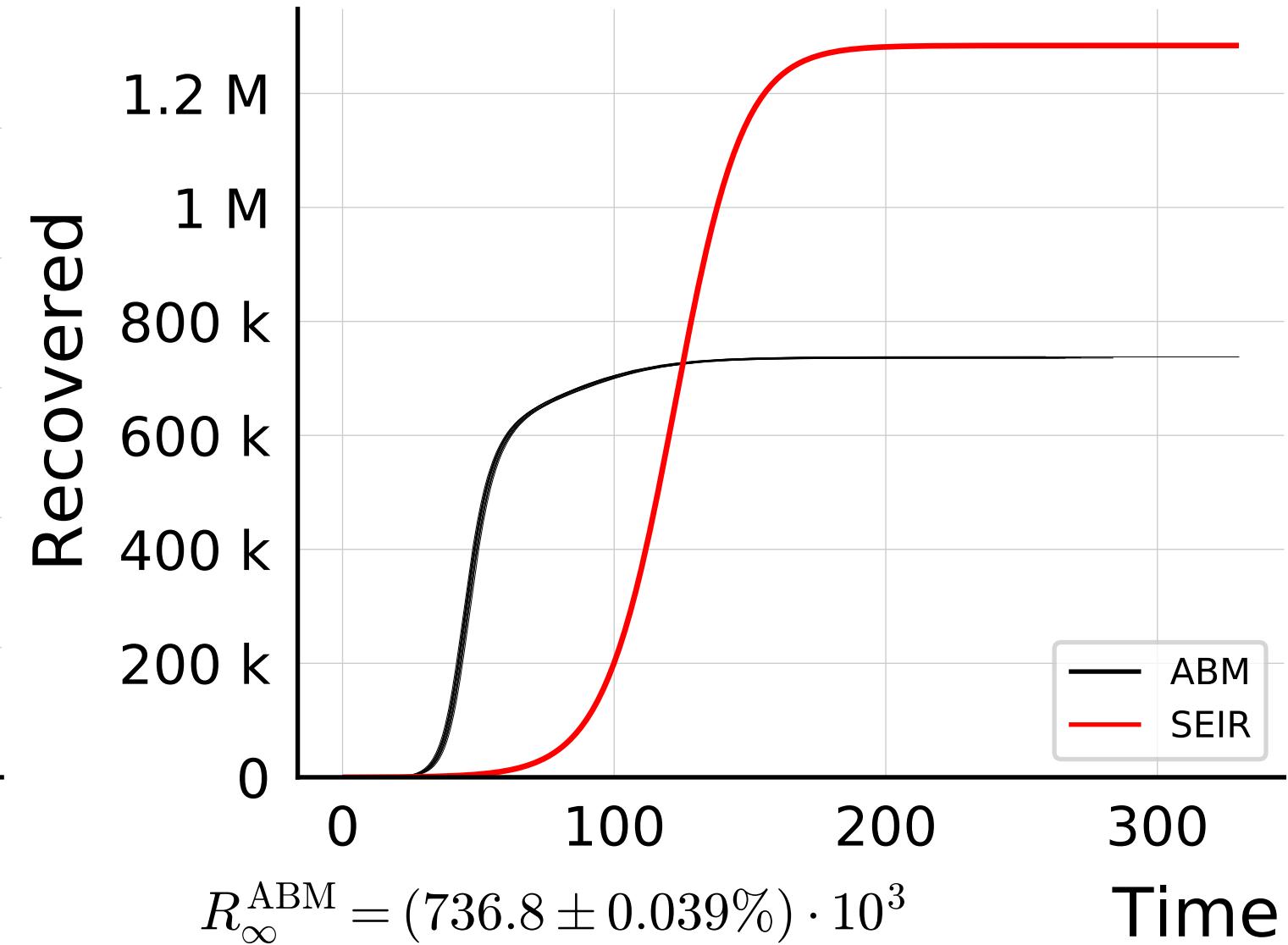
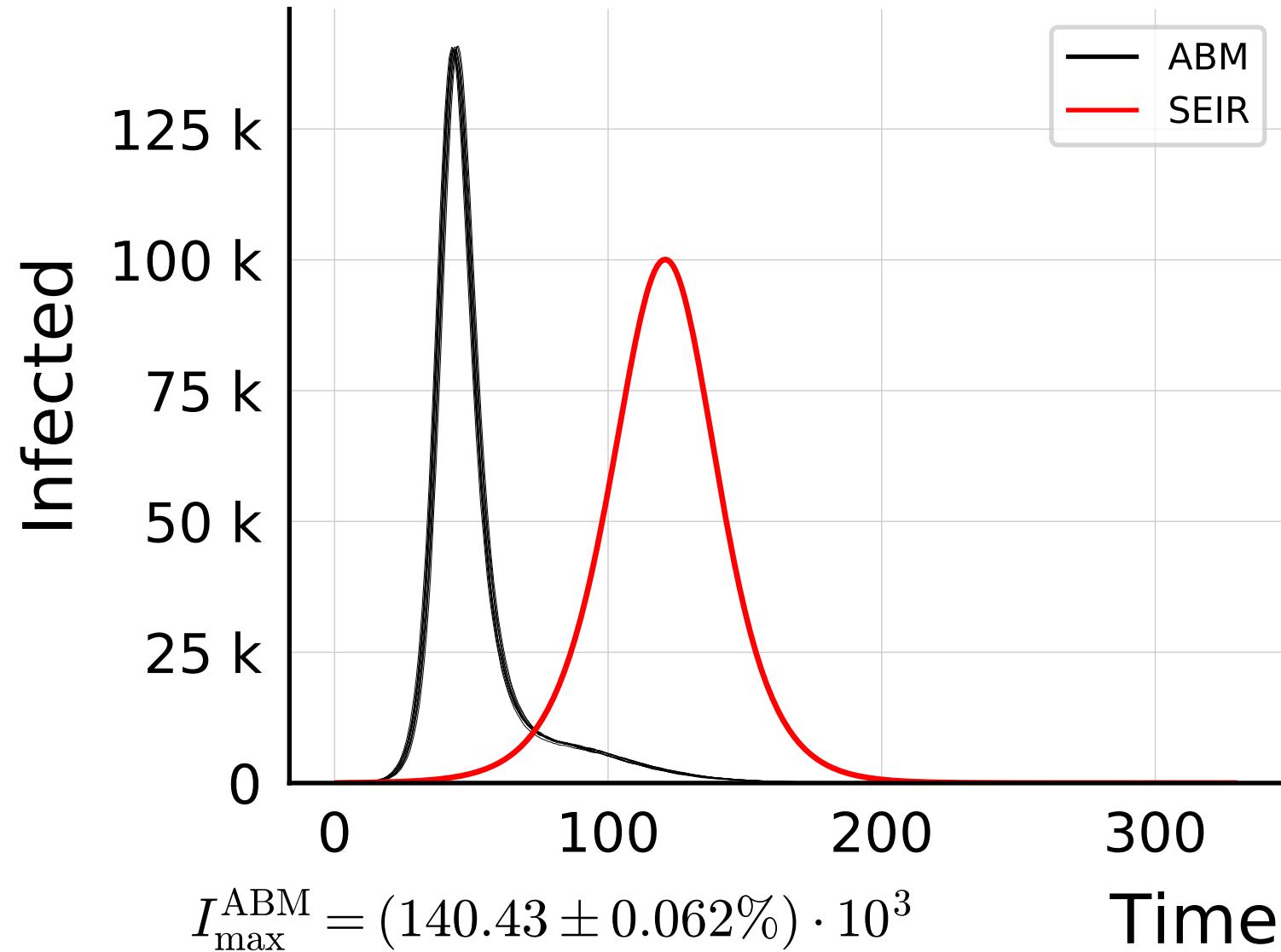
$N_{\text{tot}} = 100K$ ,  $N_{\text{init}} = 100$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , algo = 2, #10



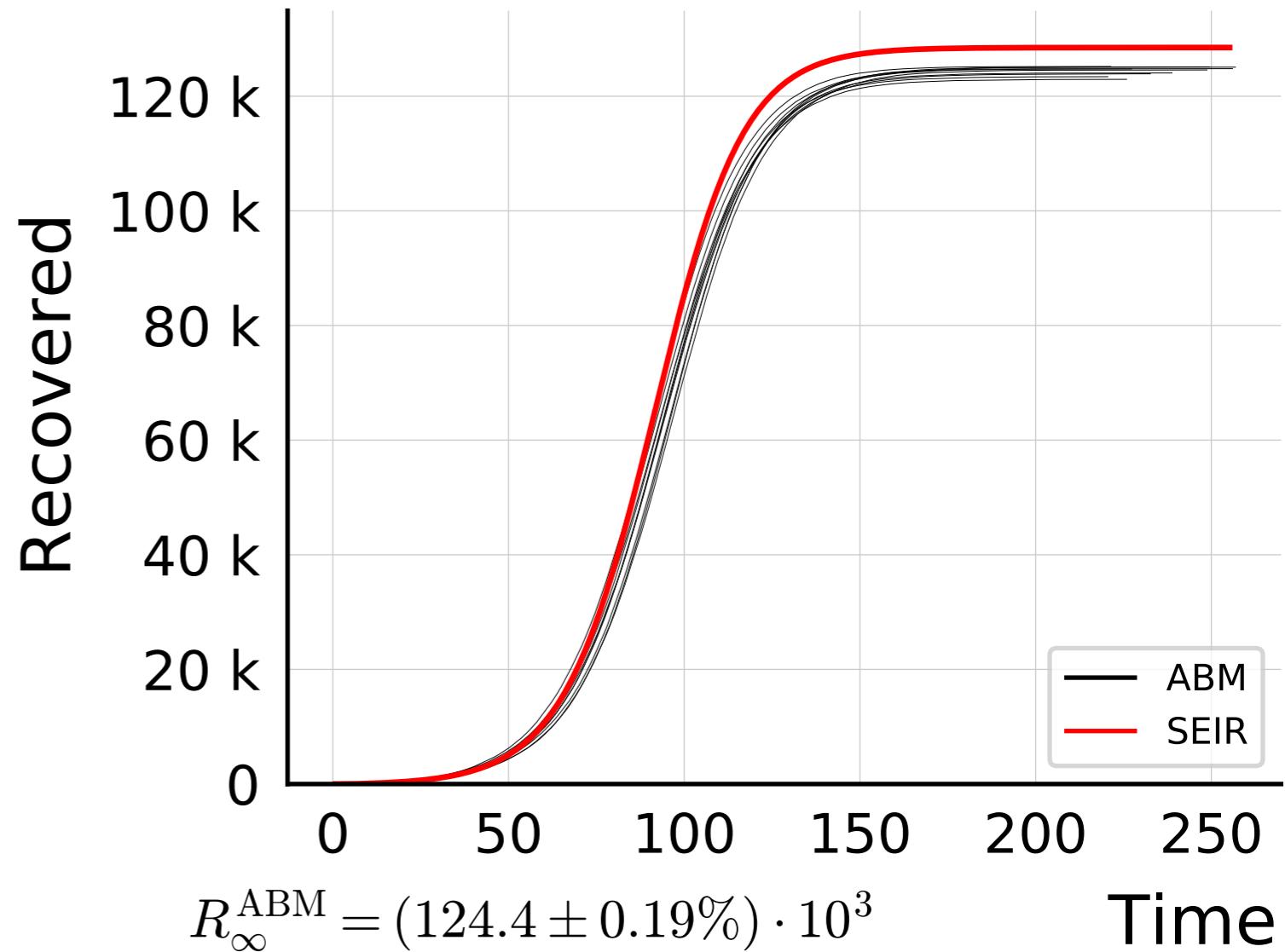
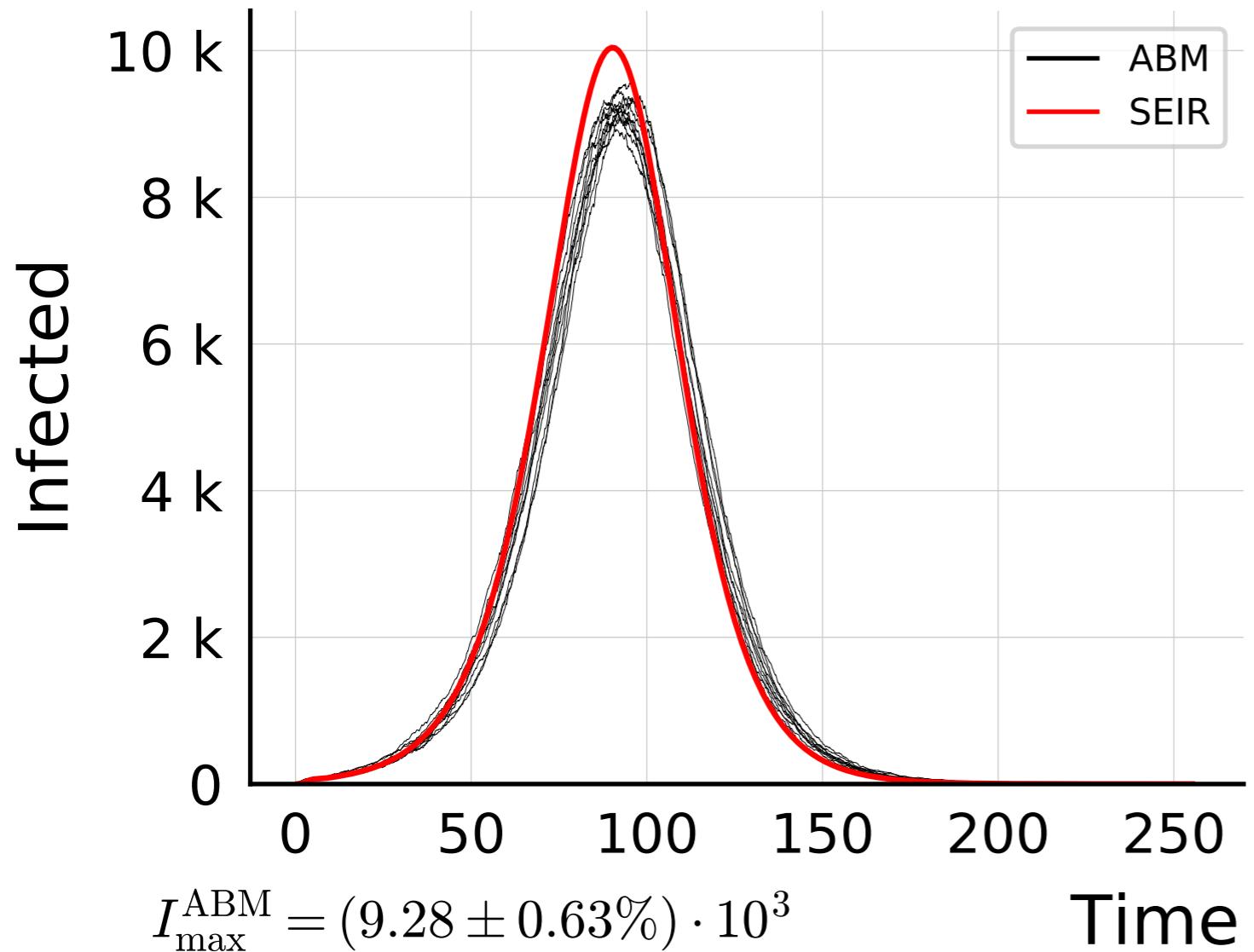
$N_{\text{tot}} = 2M$ ,  $N_{\text{init}} = 100$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , algo = 2, #10



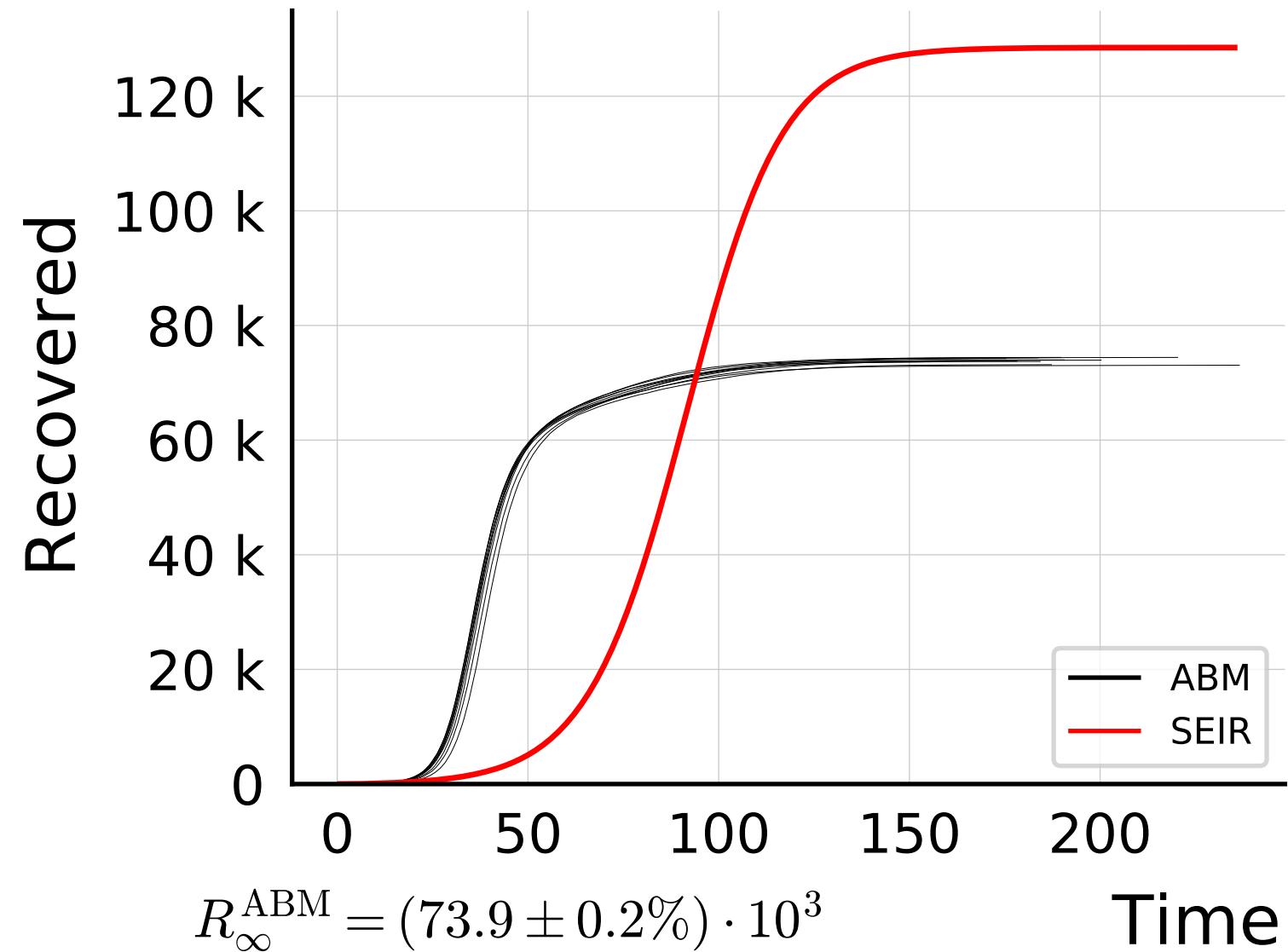
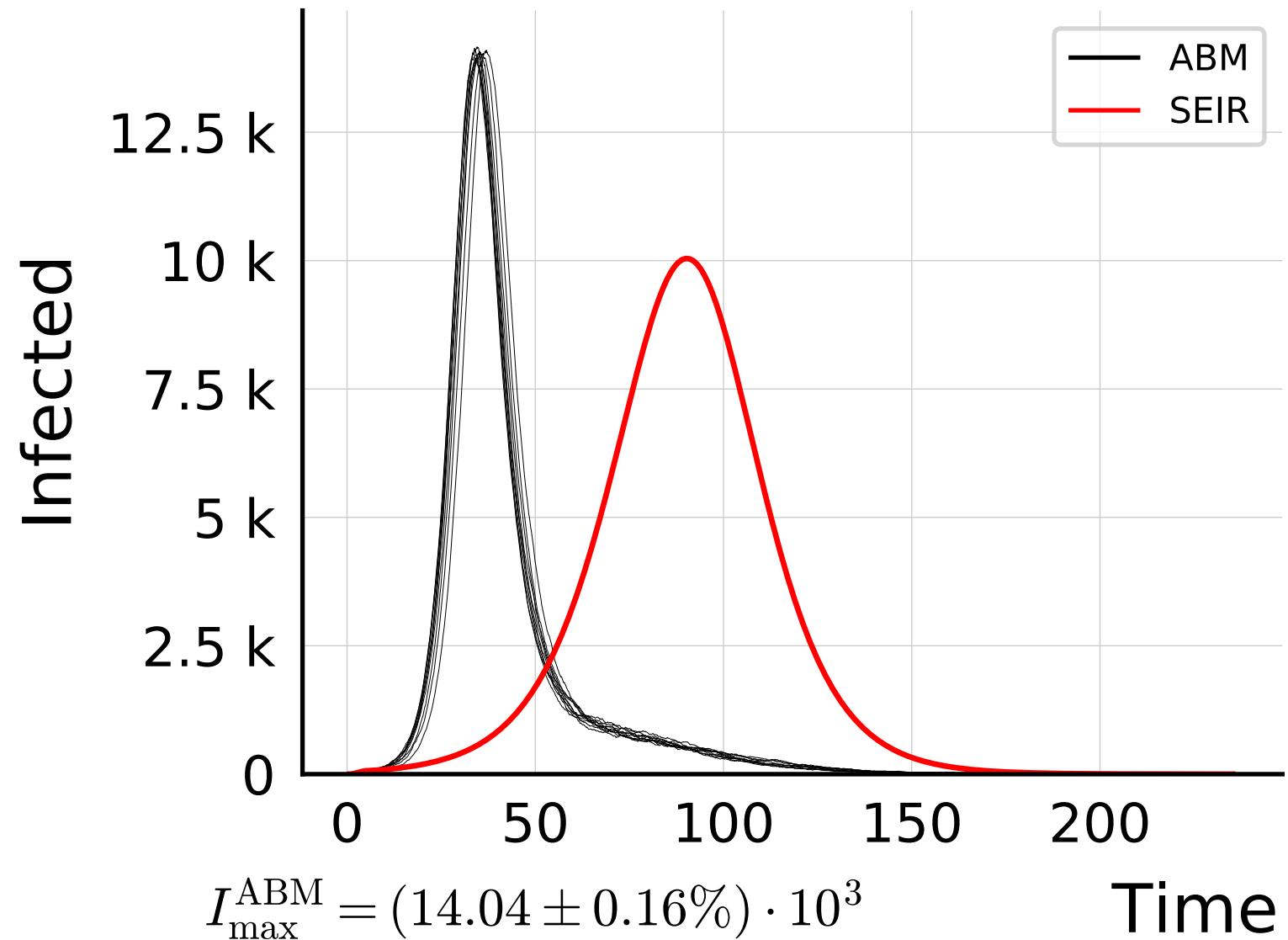
$N_{\text{tot}} = 2M$ ,  $N_{\text{init}} = 100$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , algo = 2, #10



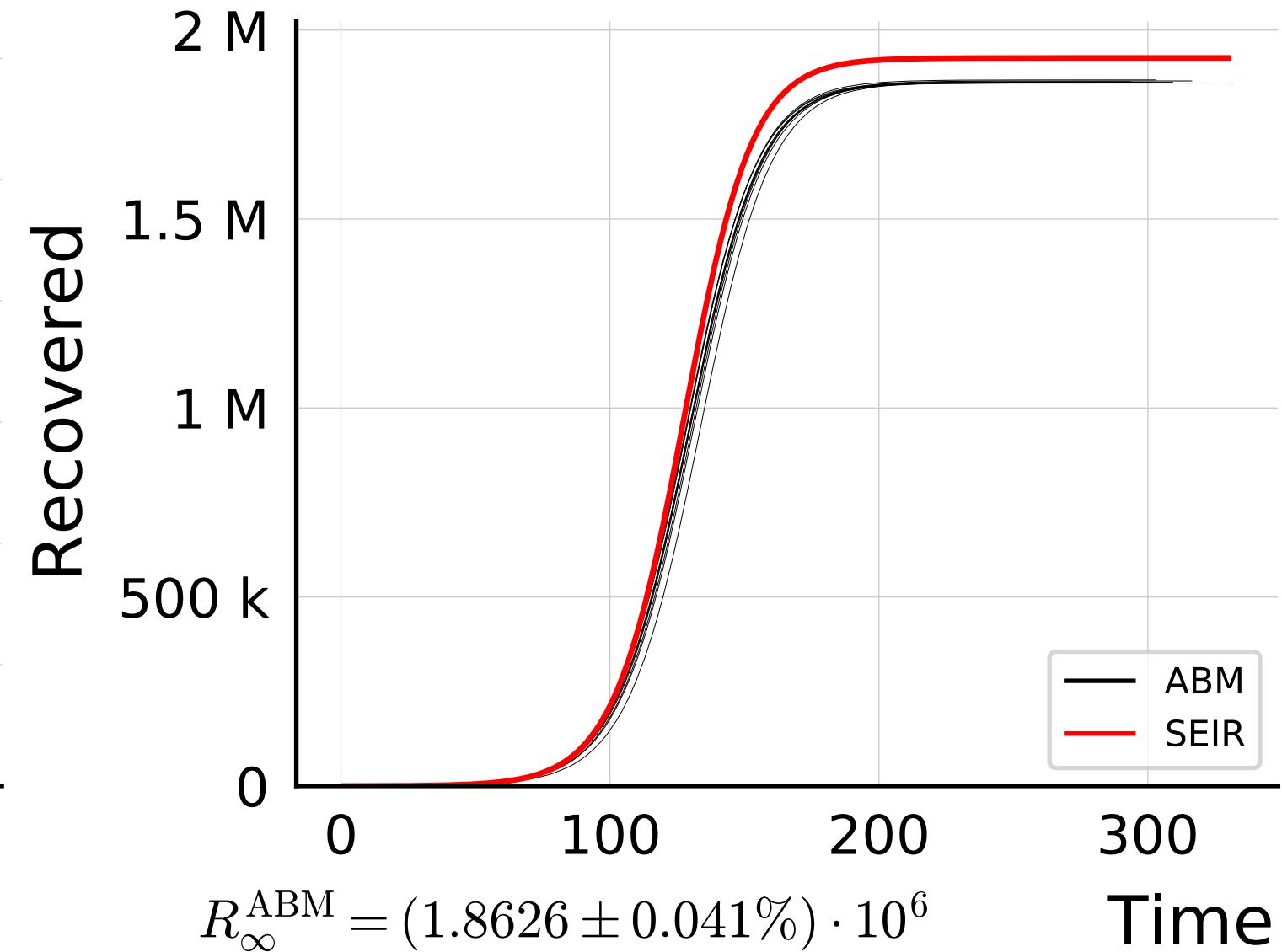
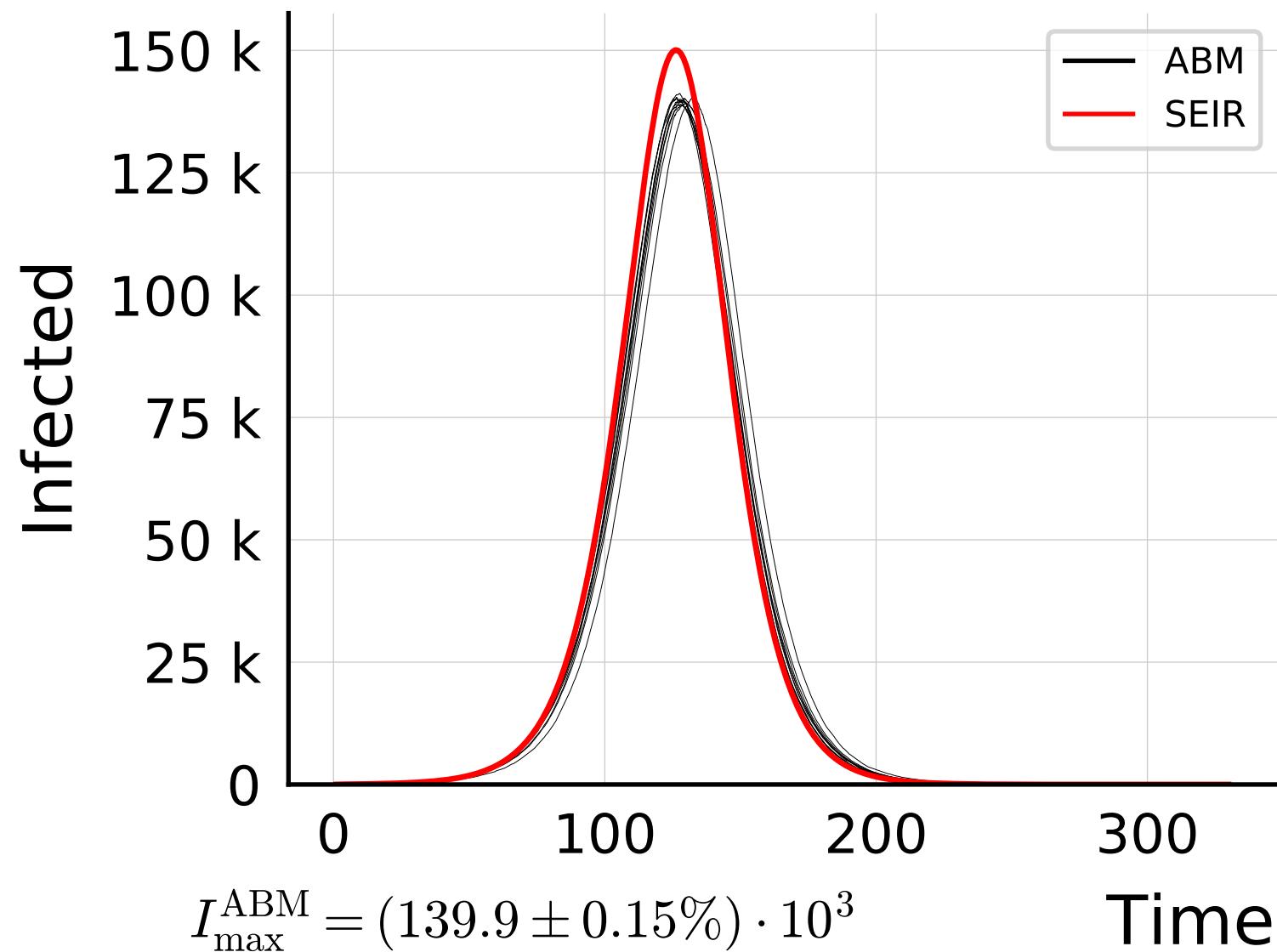
$N_{\text{tot}} = 200K$ ,  $N_{\text{init}} = 100$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , algo = 2, #10



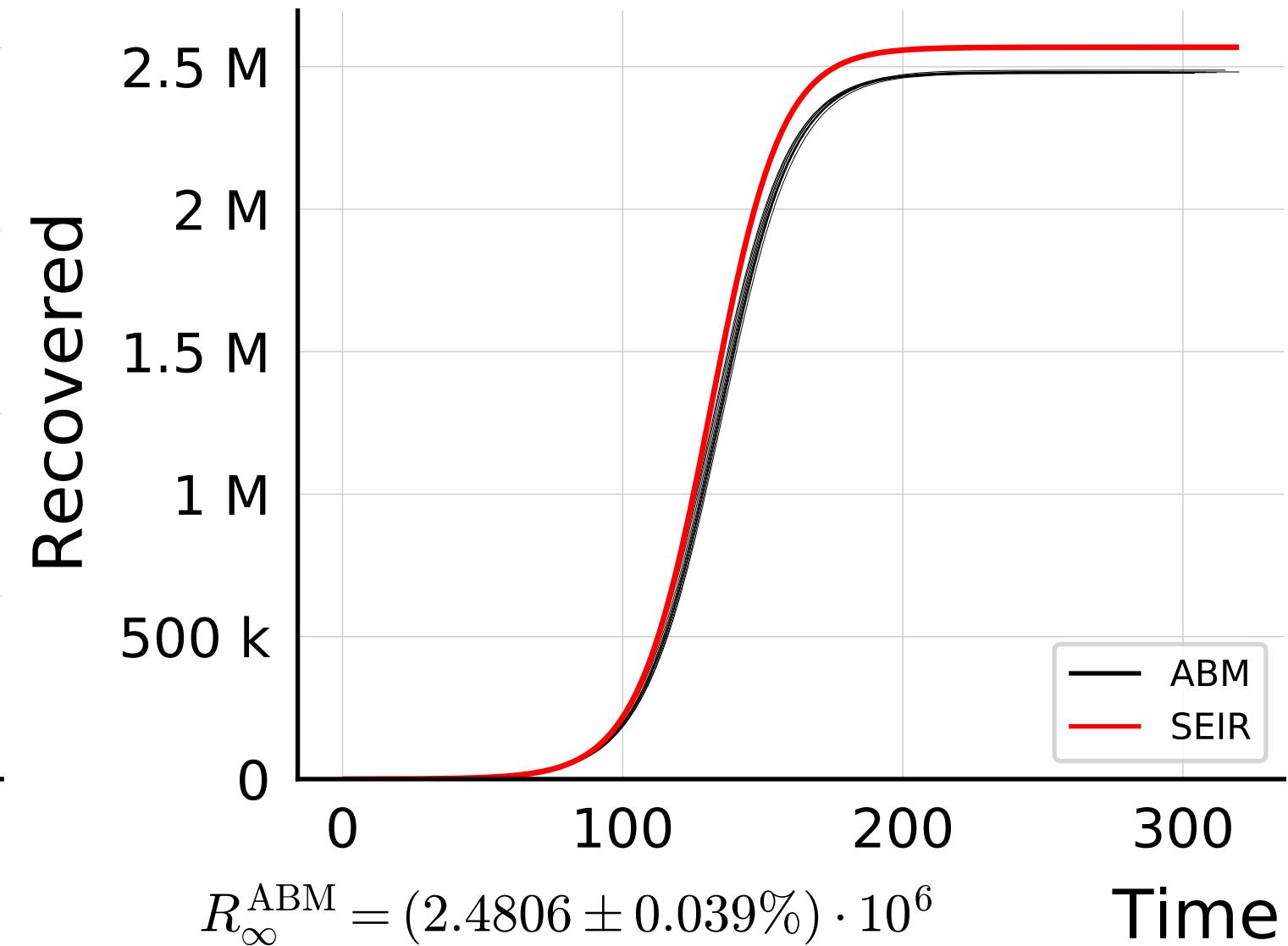
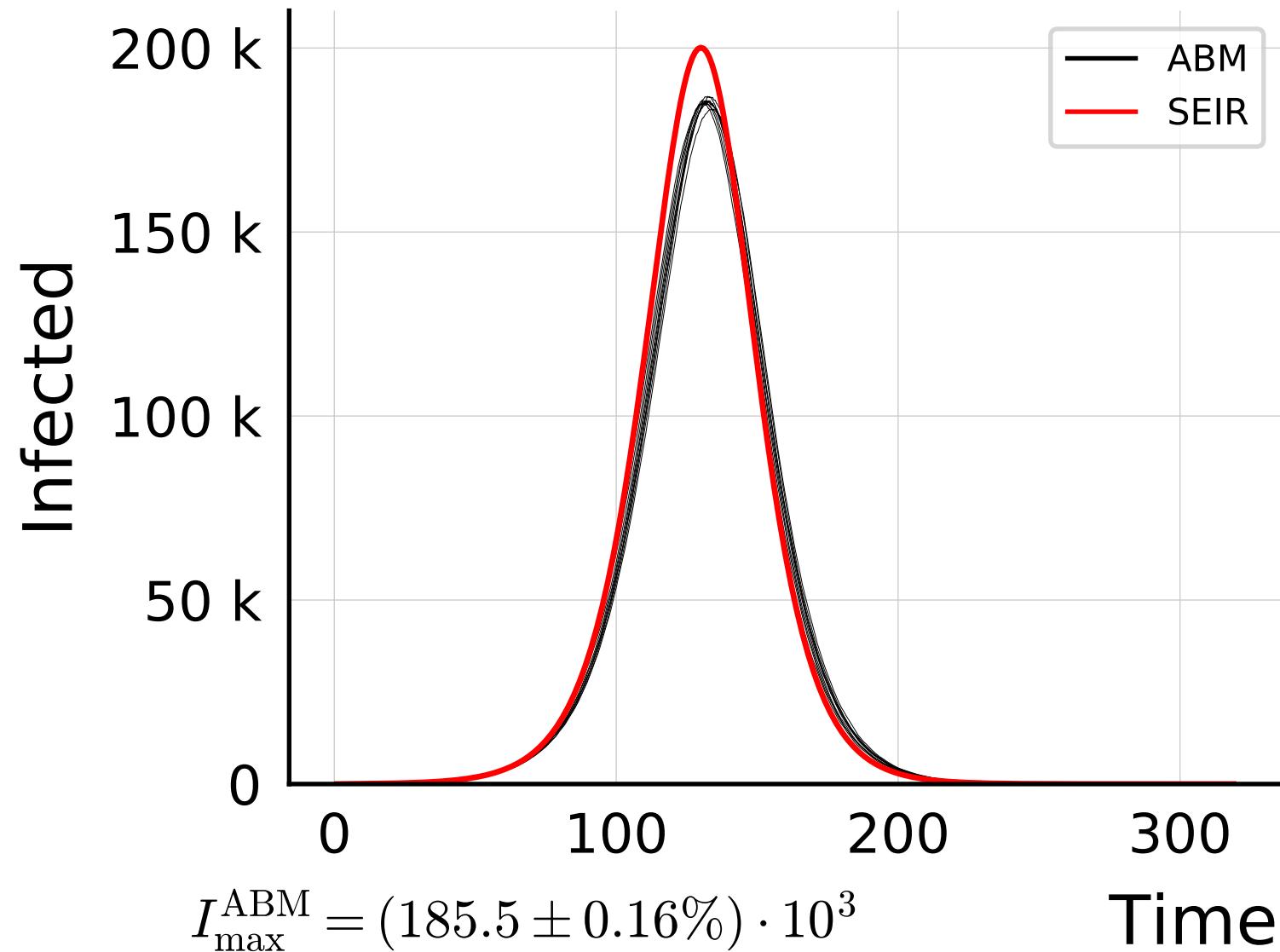
$N_{\text{tot}} = 200K$ ,  $N_{\text{init}} = 100$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , algo = 2, #10



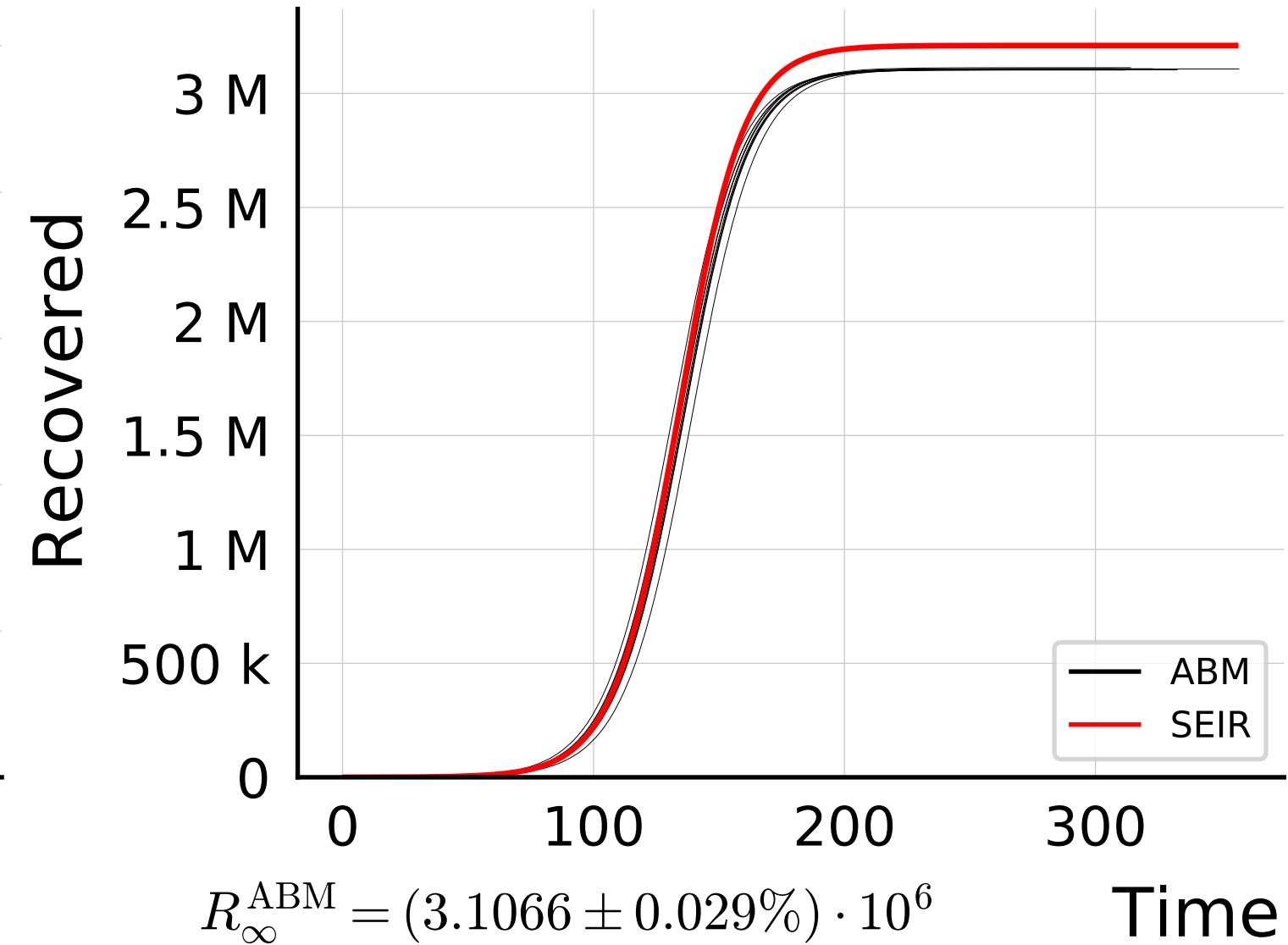
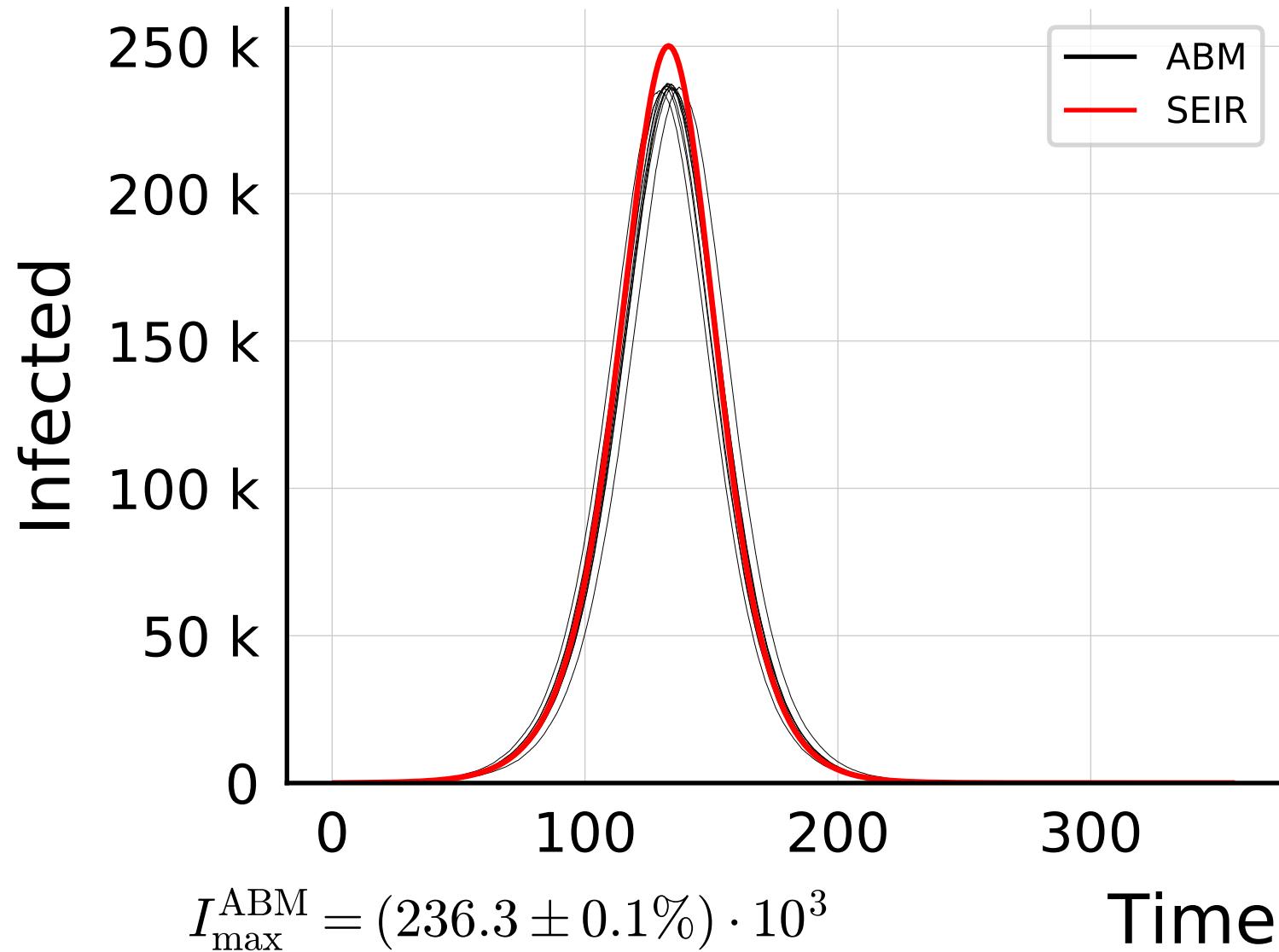
$N_{\text{tot}} = 3M$ ,  $N_{\text{init}} = 100$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , algo = 2, #10



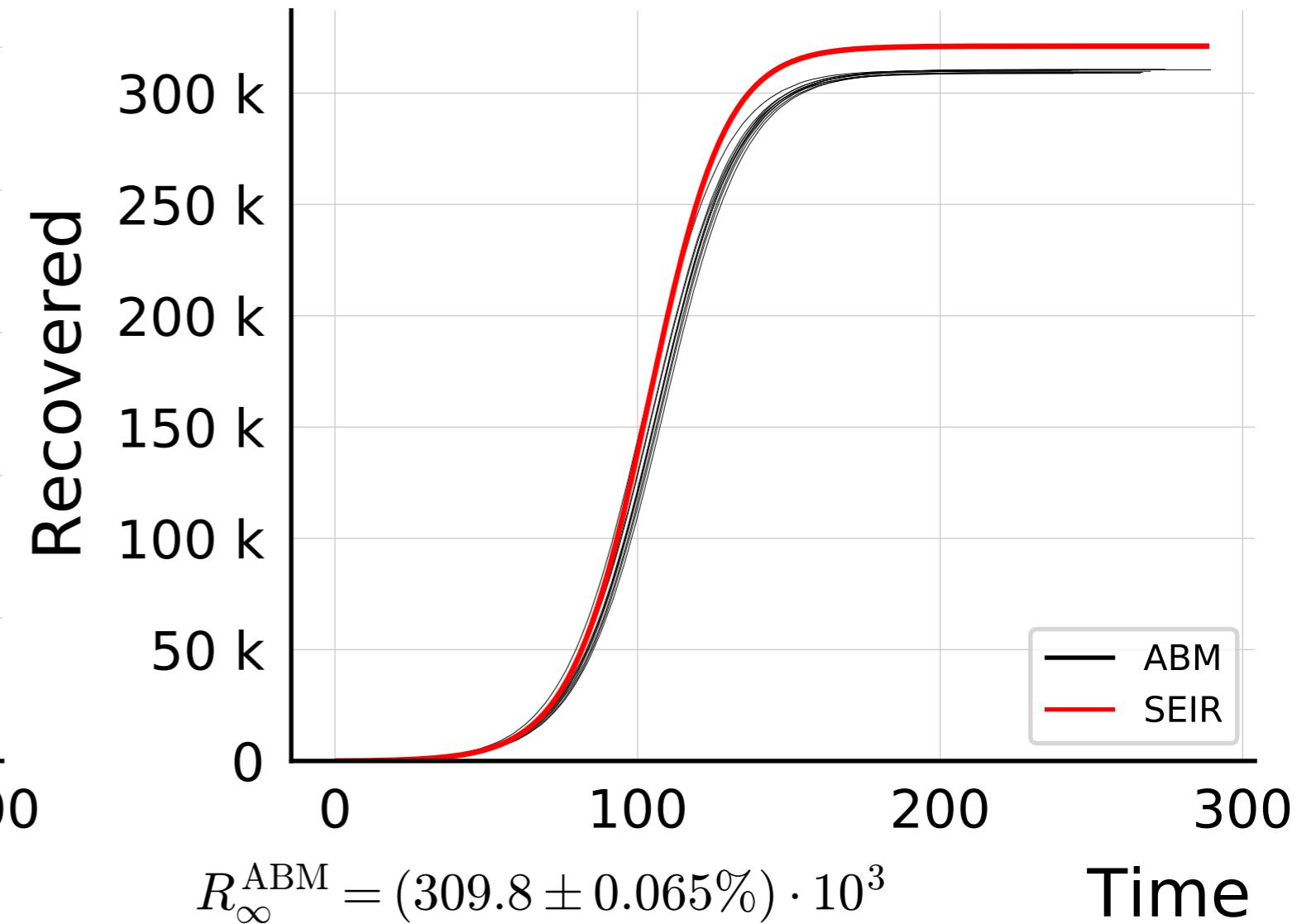
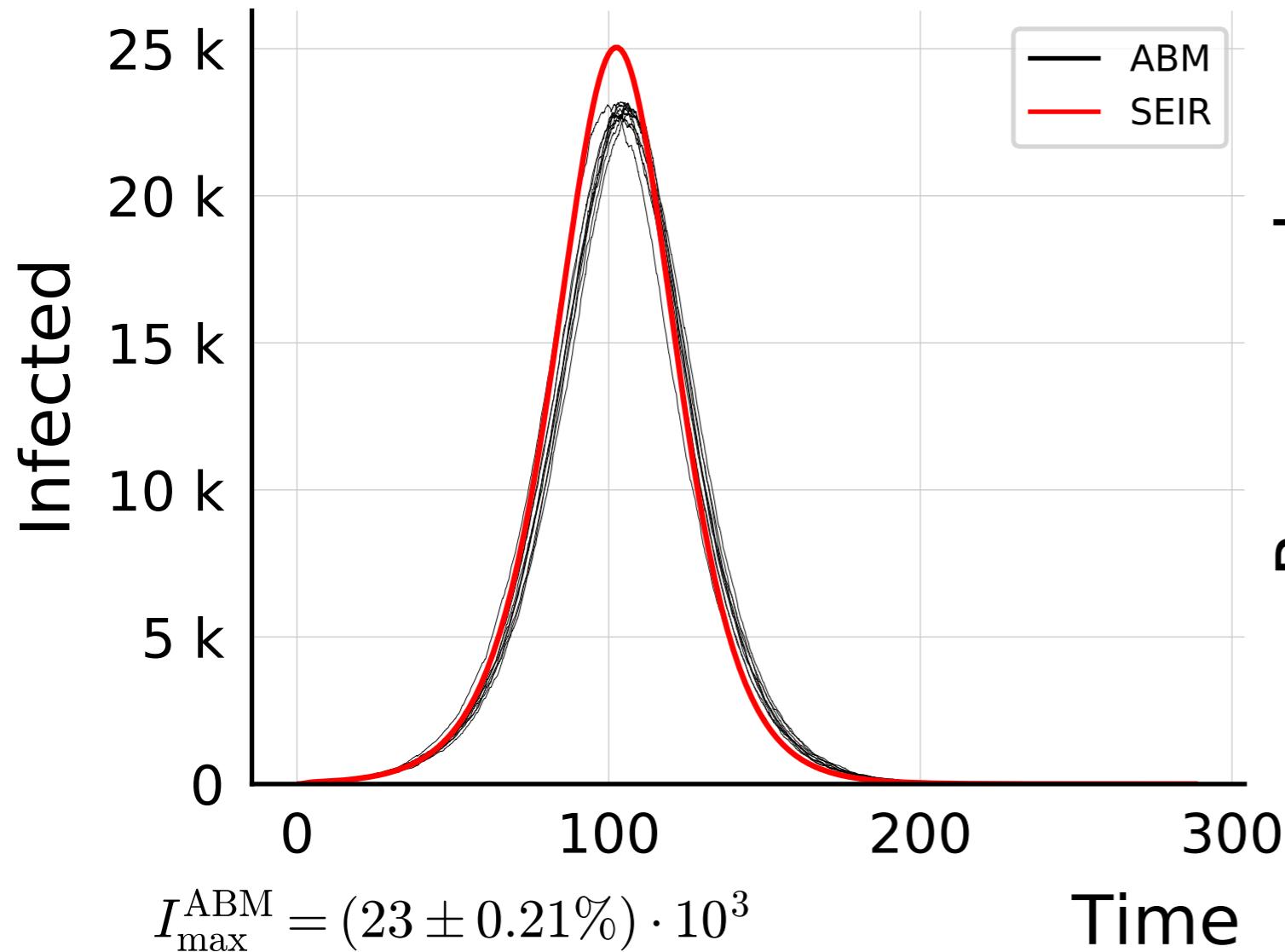
$N_{\text{tot}} = 4M$ ,  $N_{\text{init}} = 100$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , algo = 2, #10



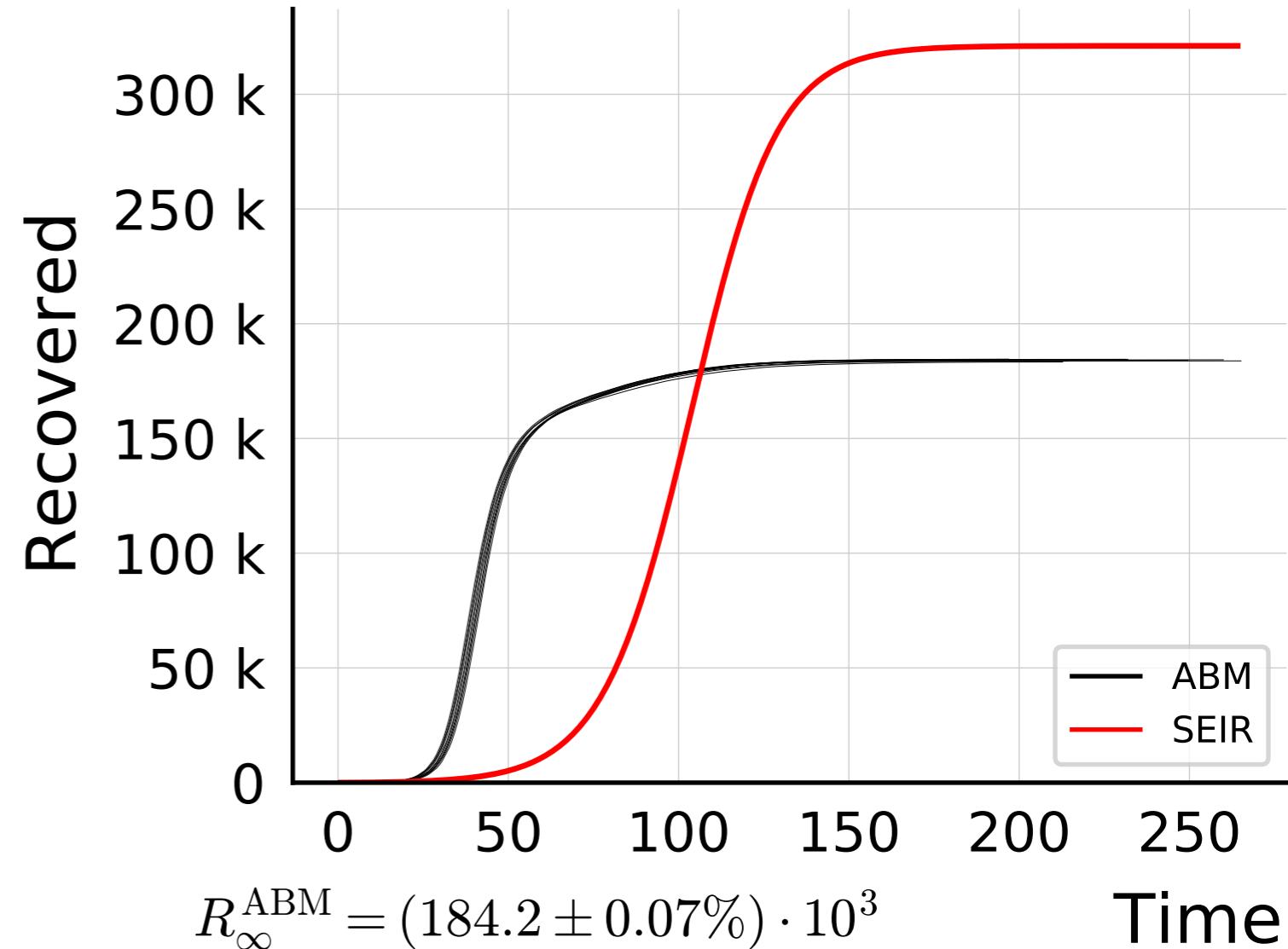
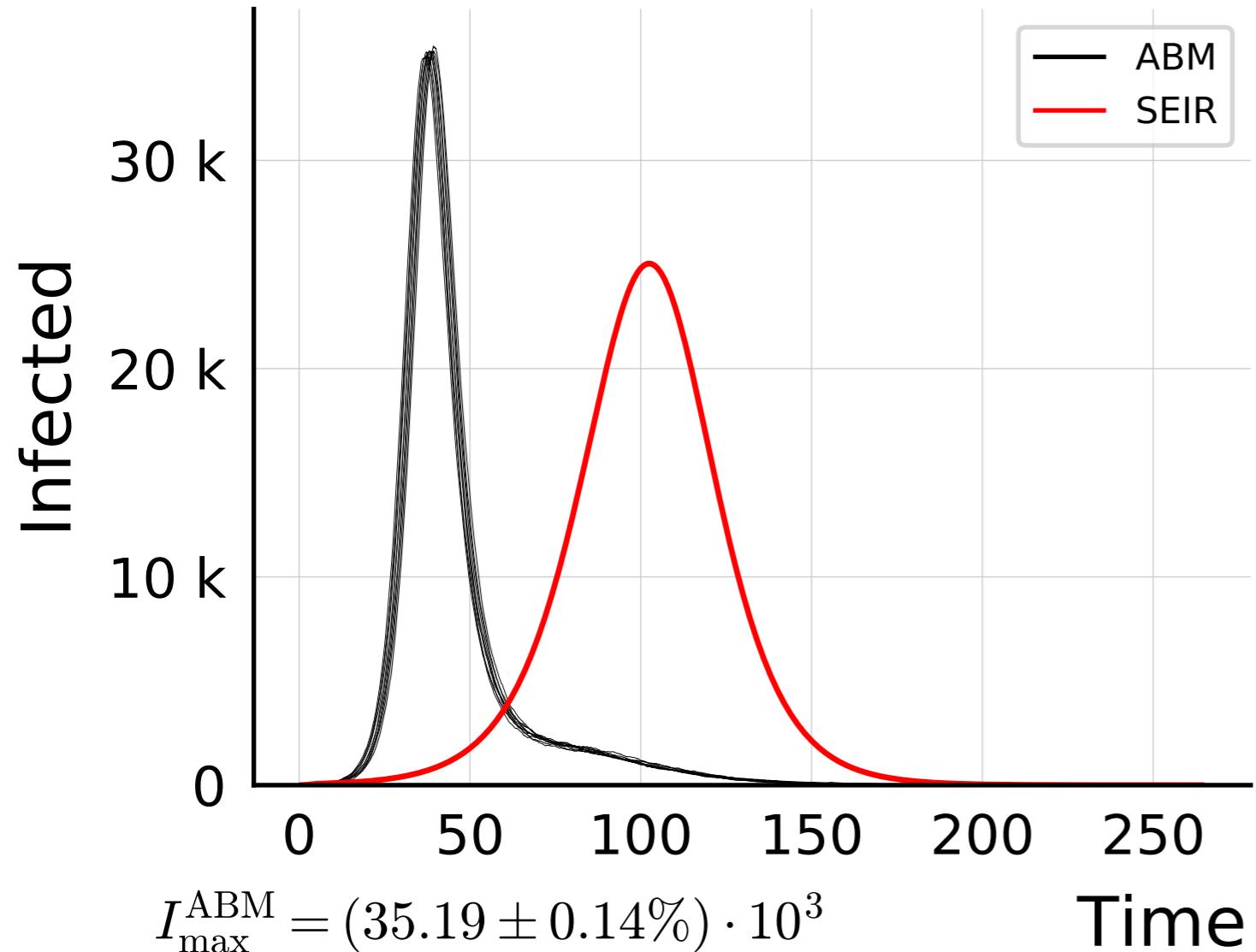
$N_{\text{tot}} = 5M$ ,  $N_{\text{init}} = 100$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , algo = 2, #10



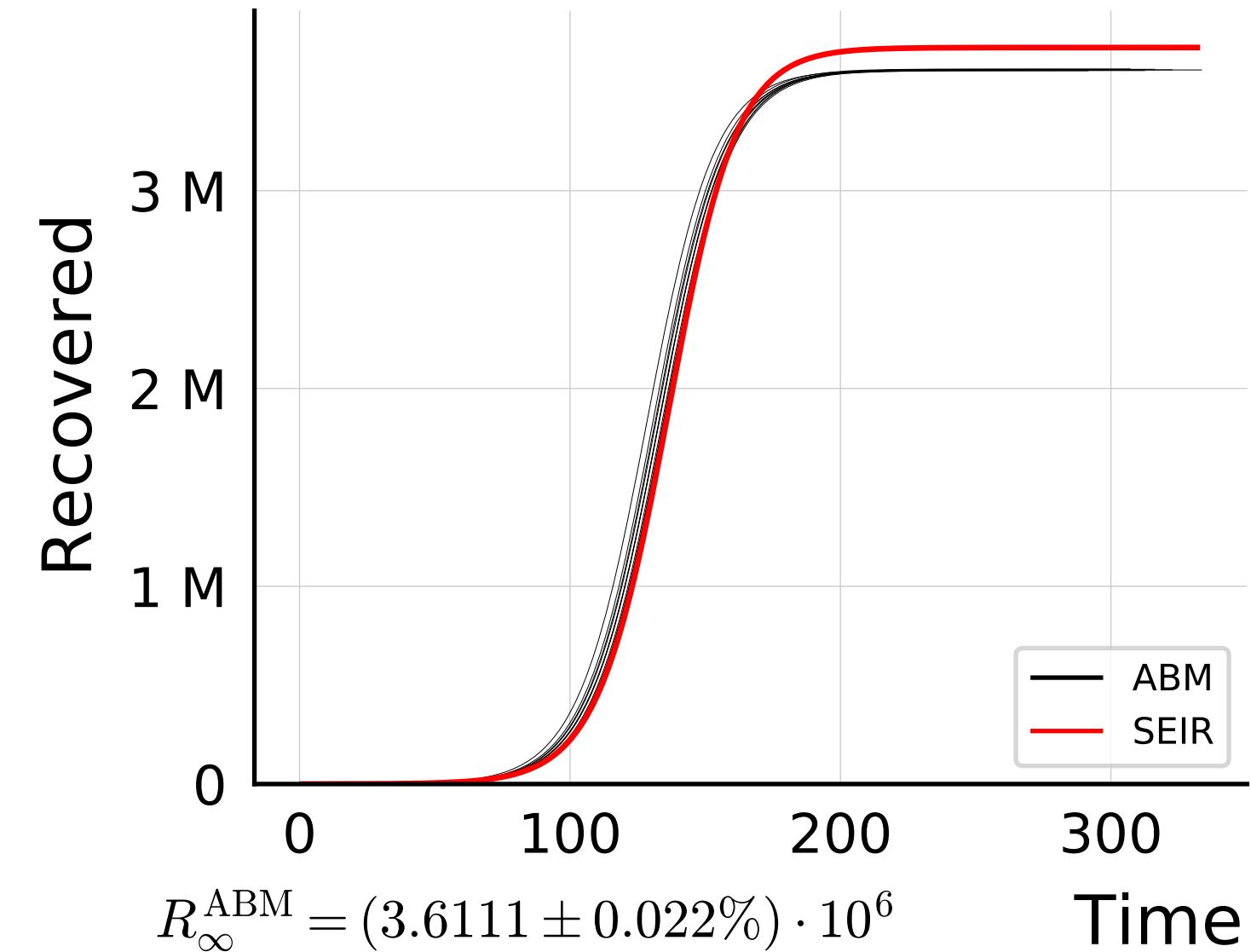
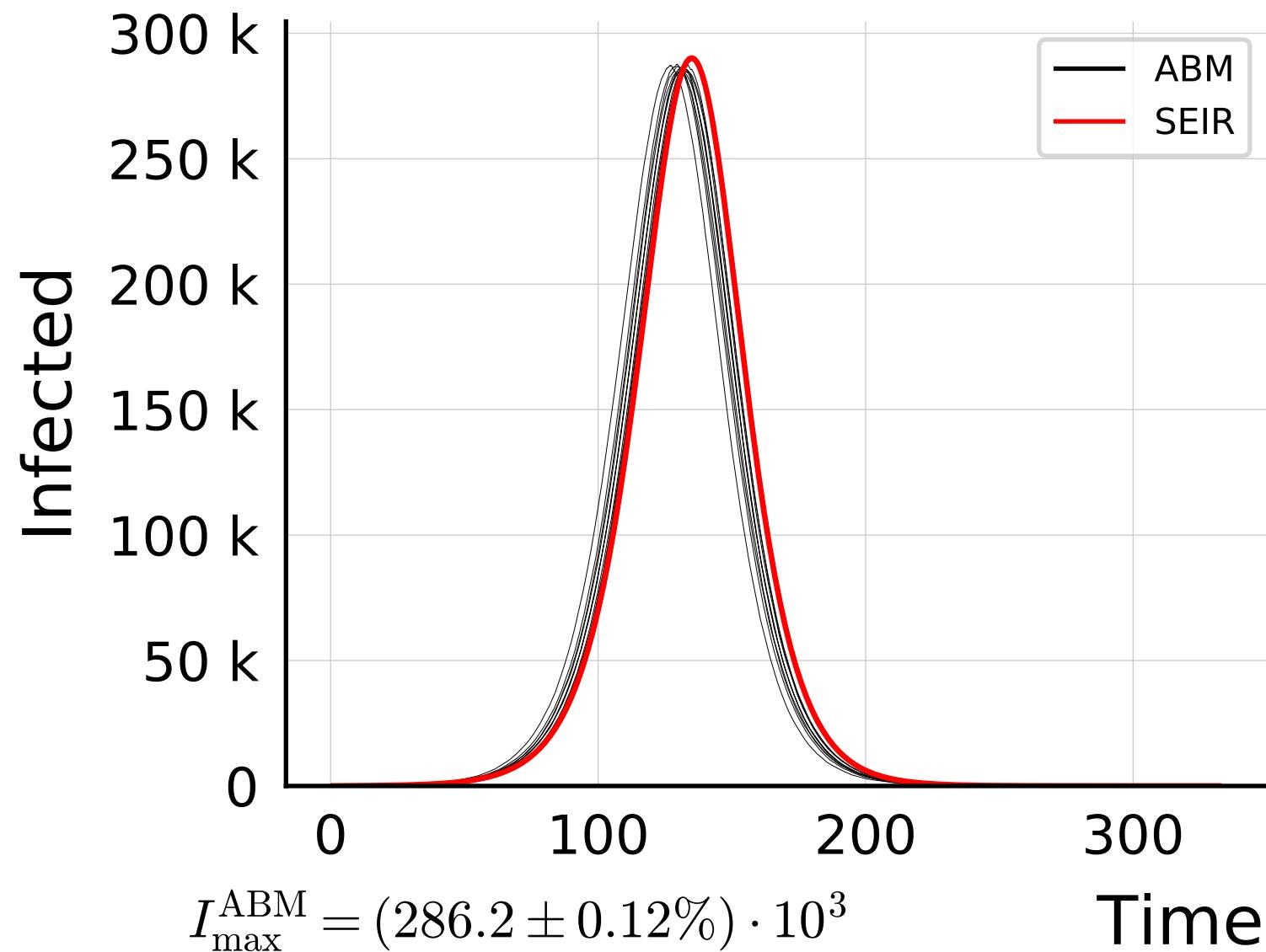
$N_{\text{tot}} = 500K$ ,  $N_{\text{init}} = 100$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , algo = 2, #10



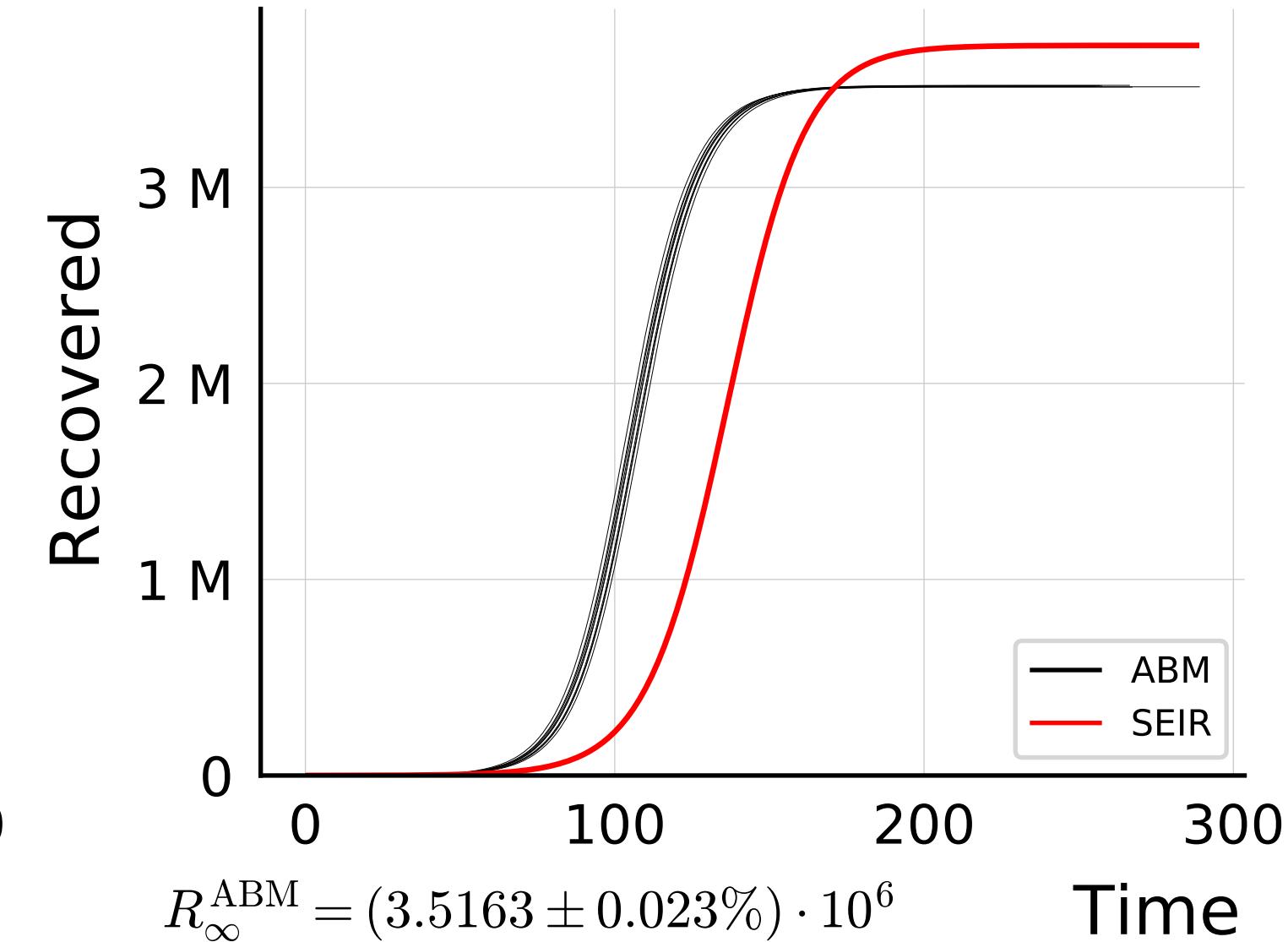
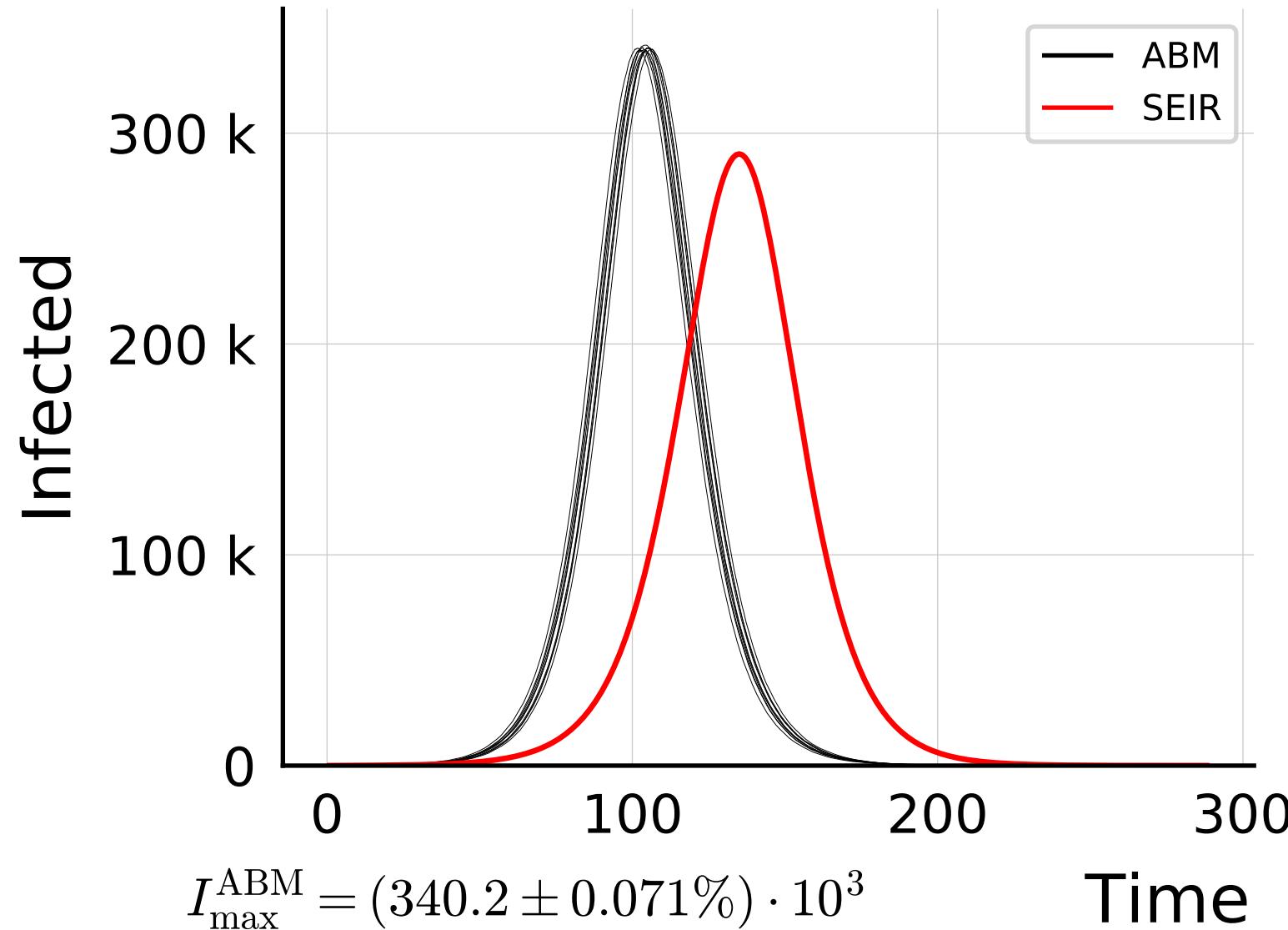
$N_{\text{tot}} = 500K$ ,  $N_{\text{init}} = 100$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , algo = 2, #10



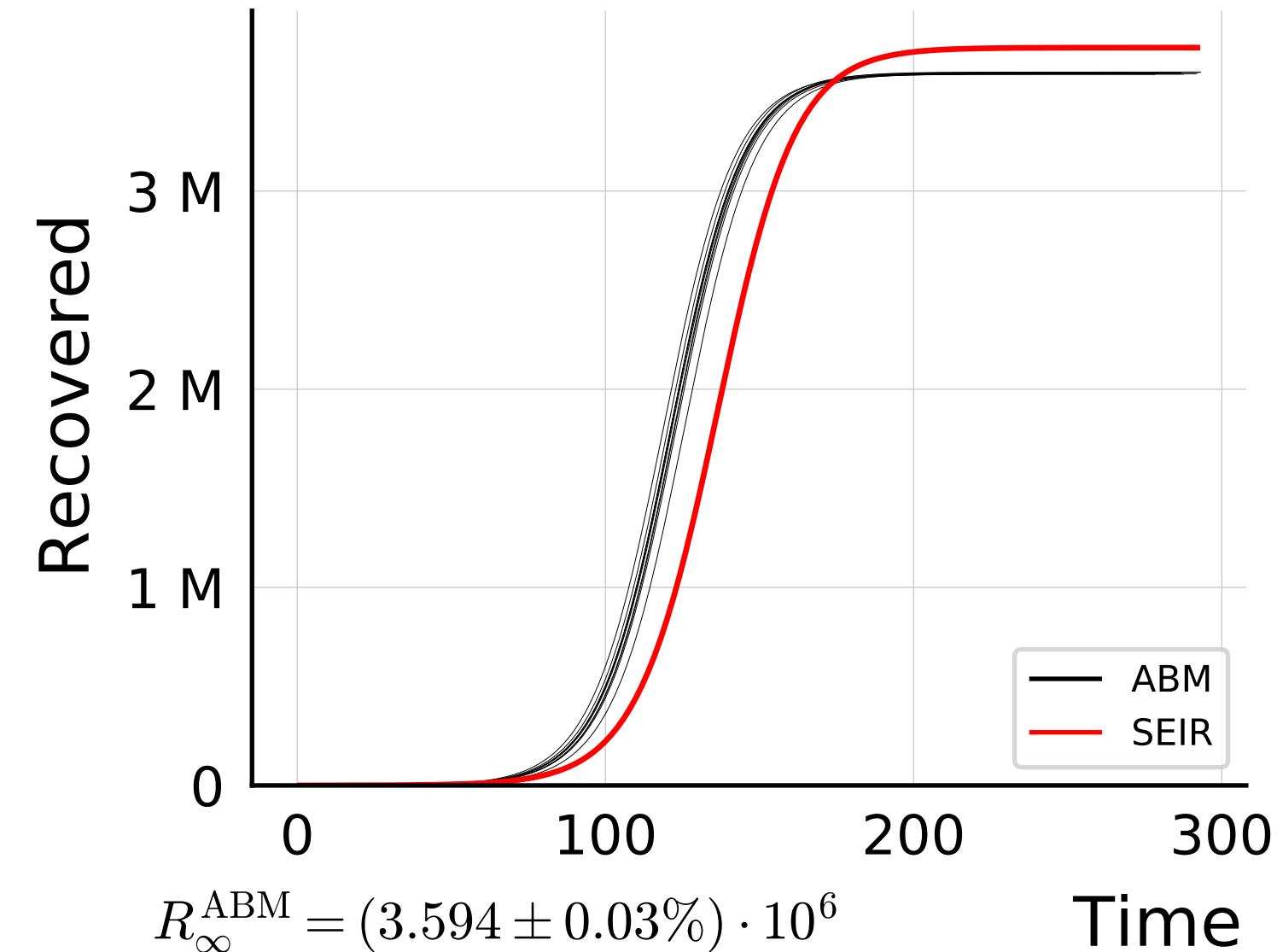
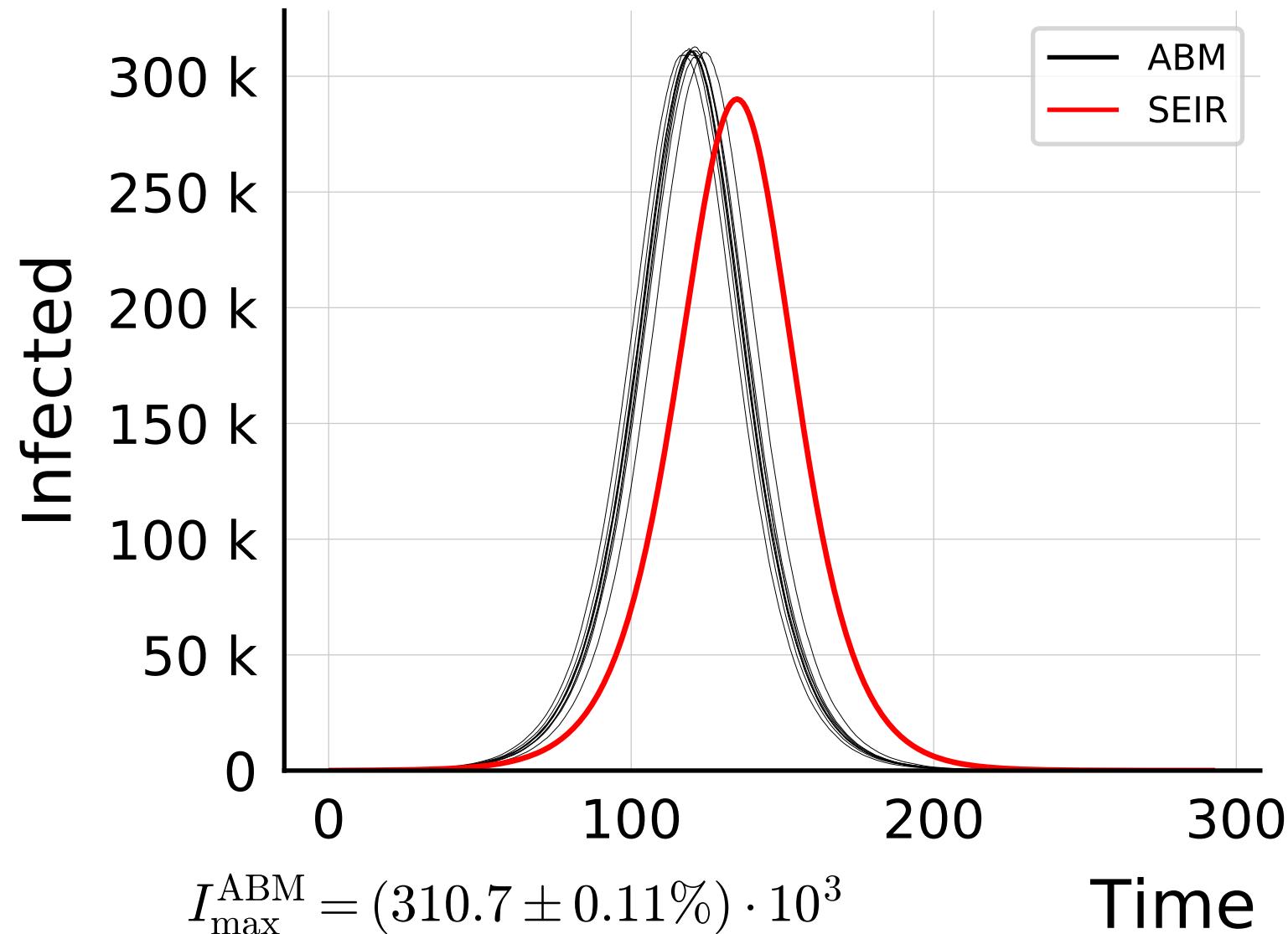
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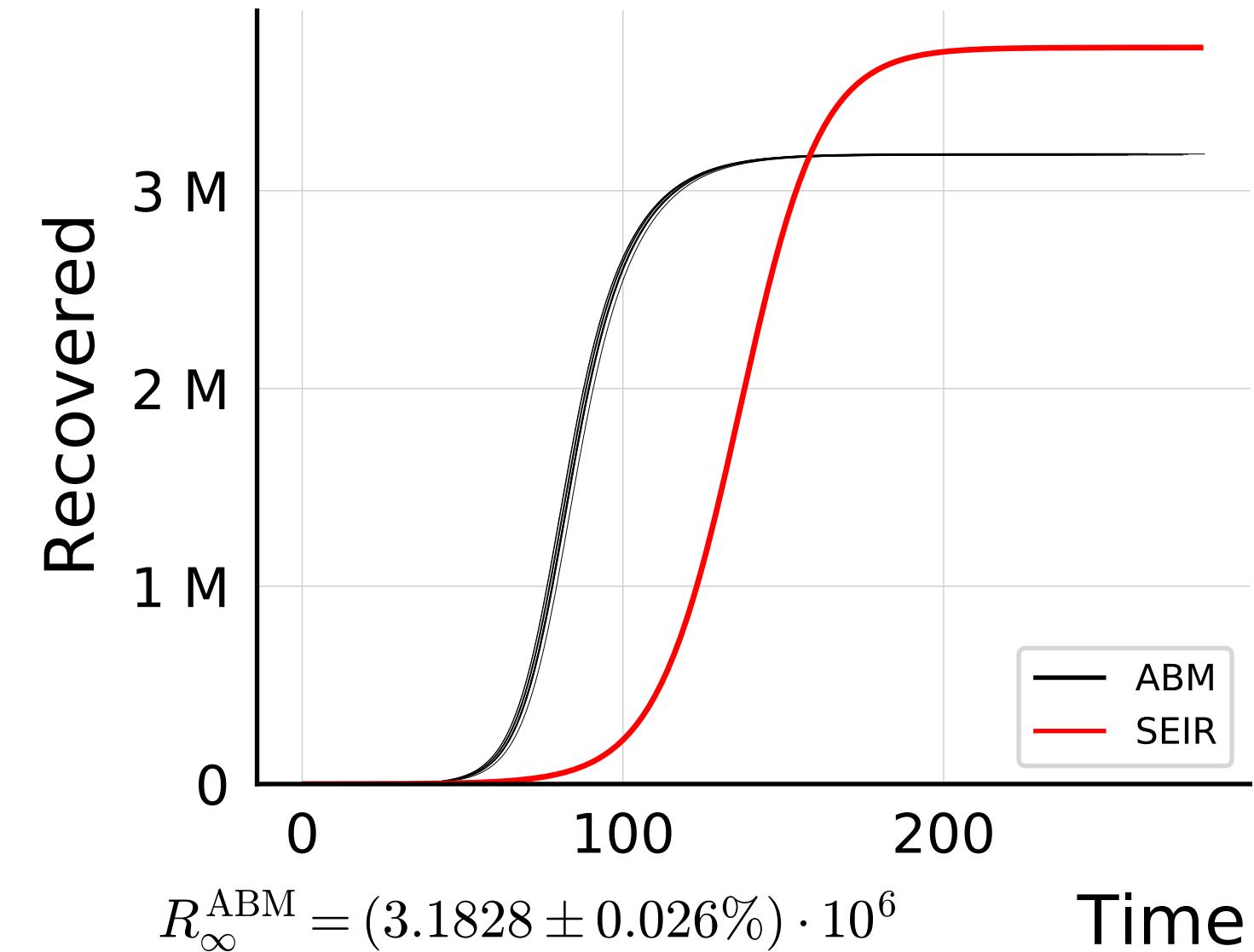
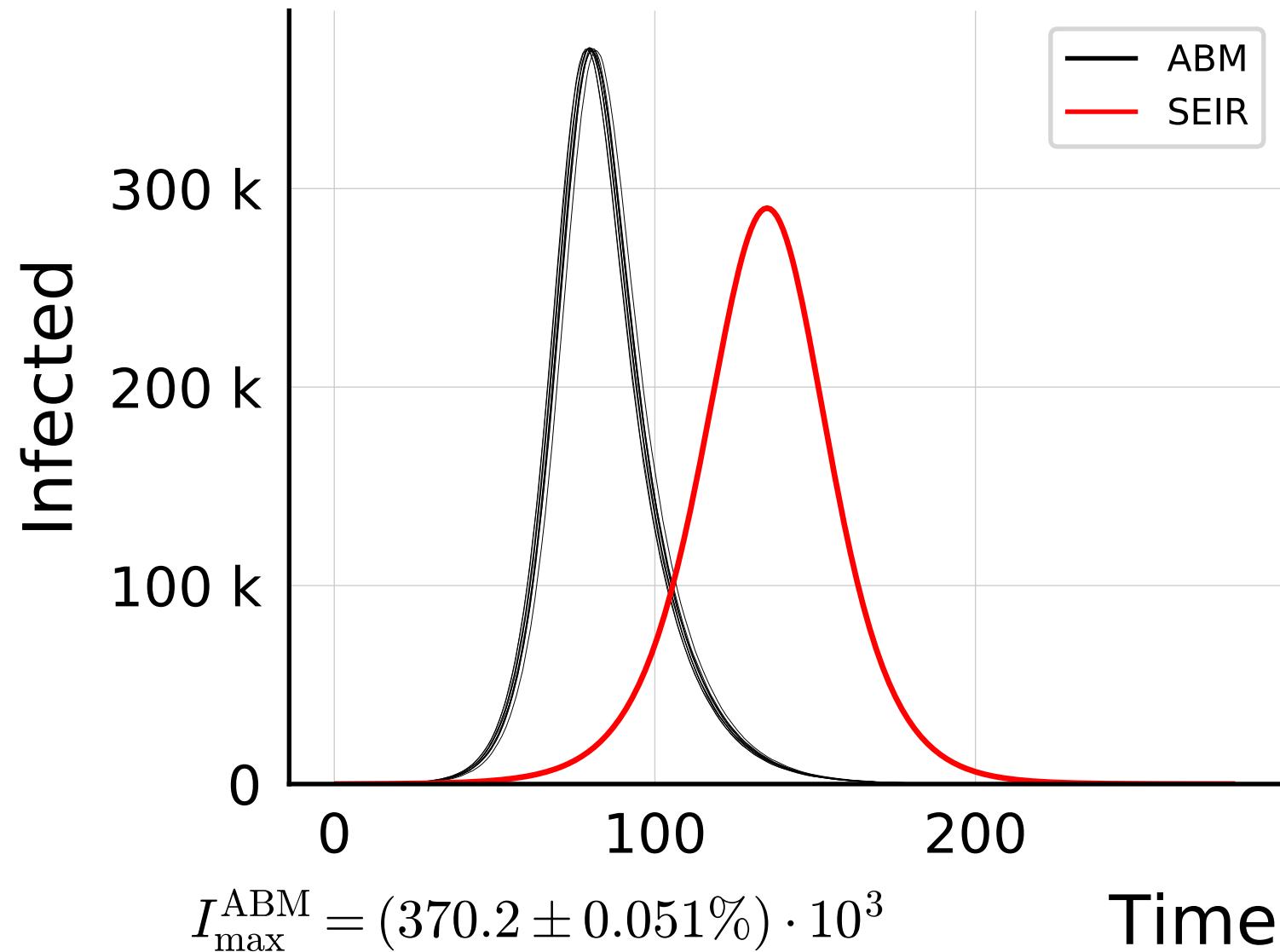
$N_{\text{tot}} = 5.8M$ ,  $N_{\text{init}} = 100$ ,  $\rho = 0.015$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$   
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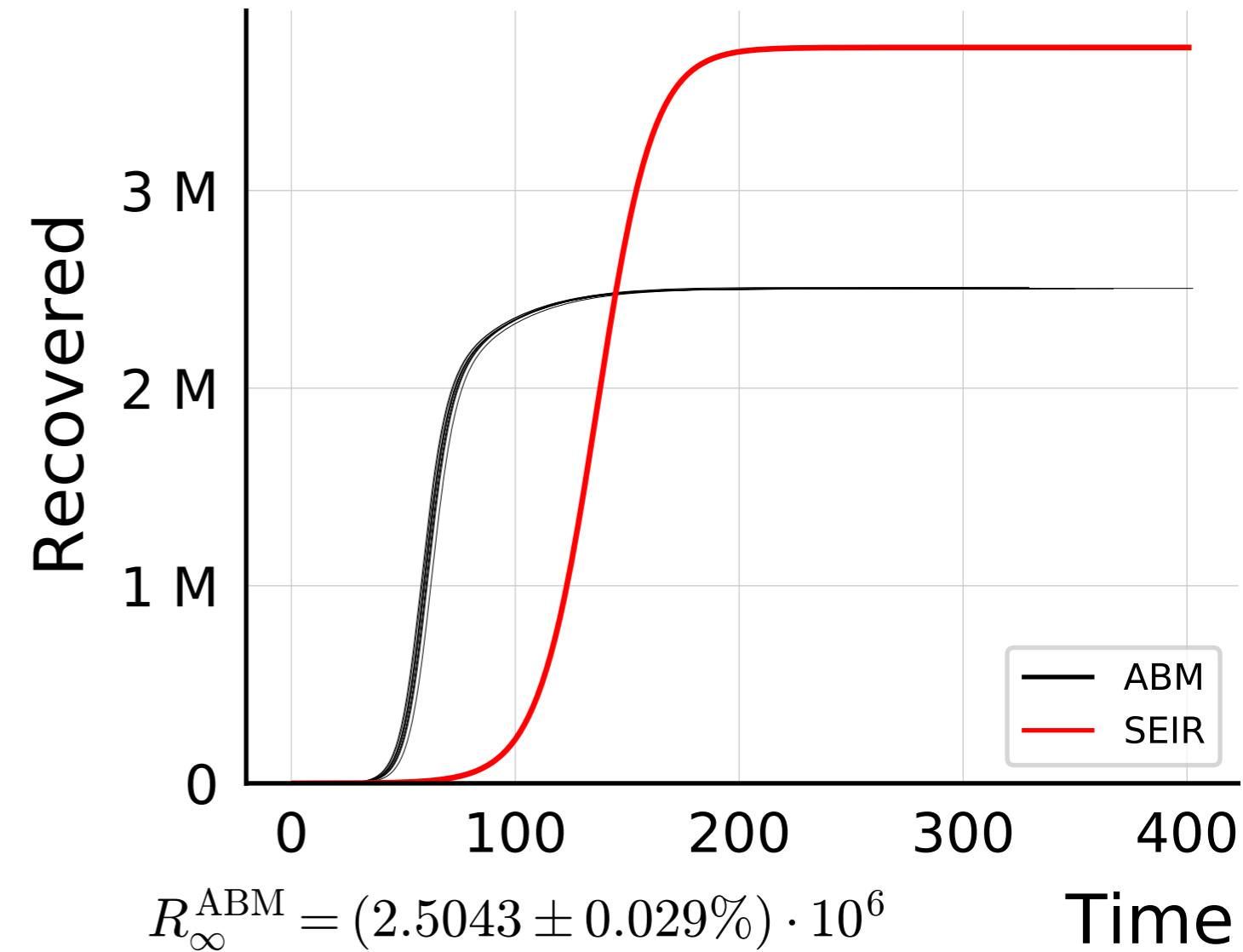
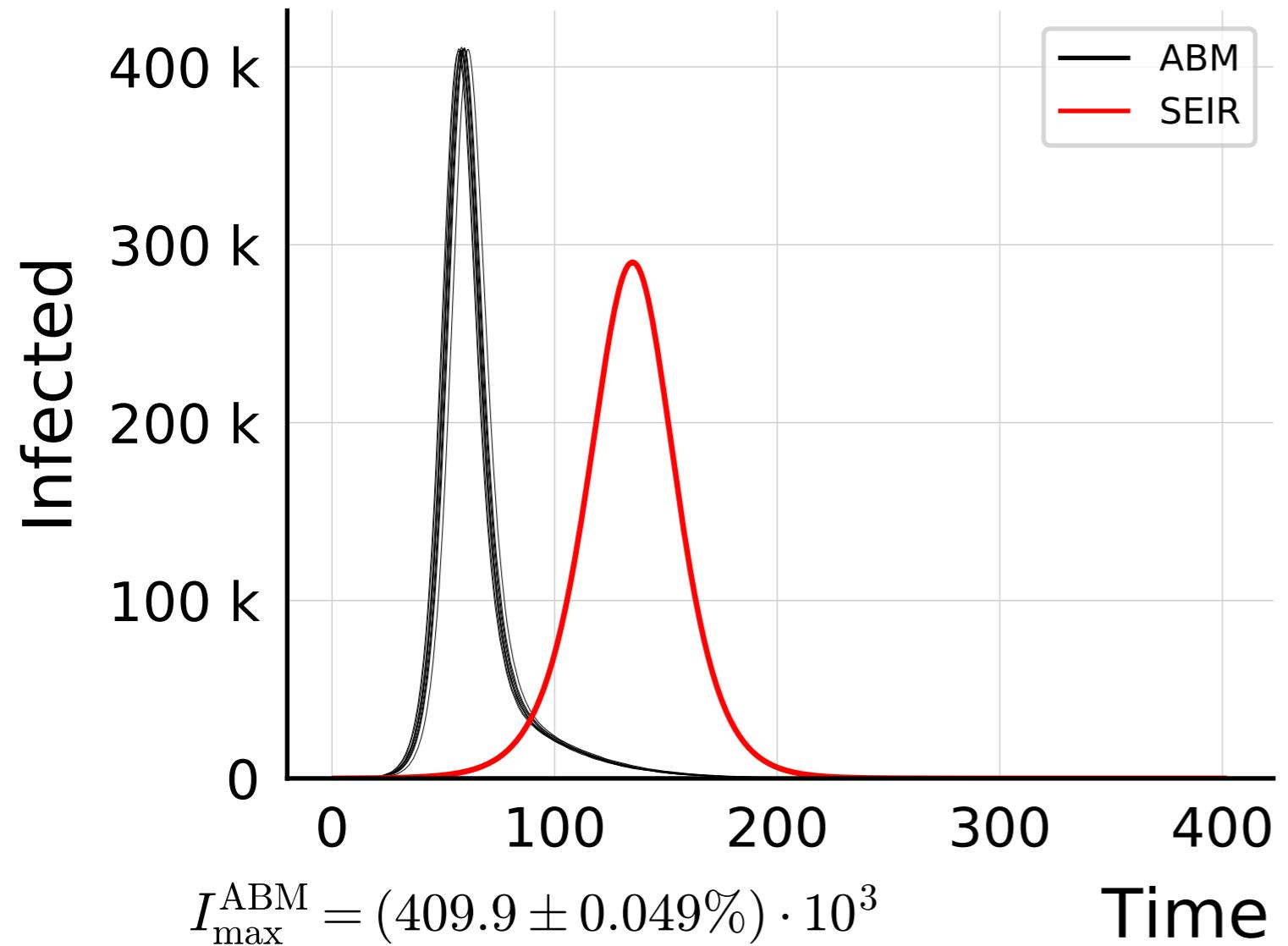
$N_{\text{tot}} = 5.8M$ ,  $N_{\text{init}} = 100$ ,  $\rho = 0.01$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , algo = 2, #10



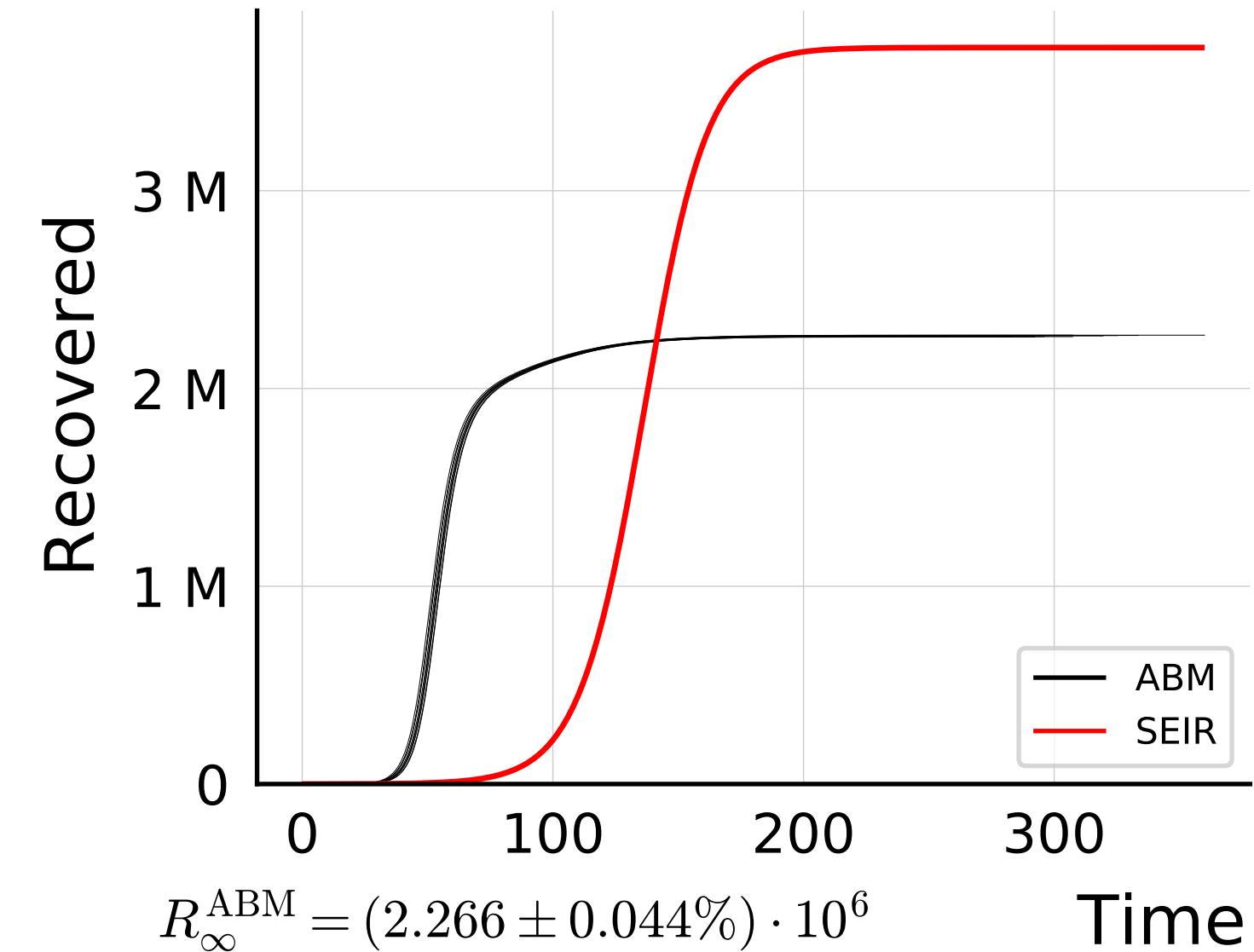
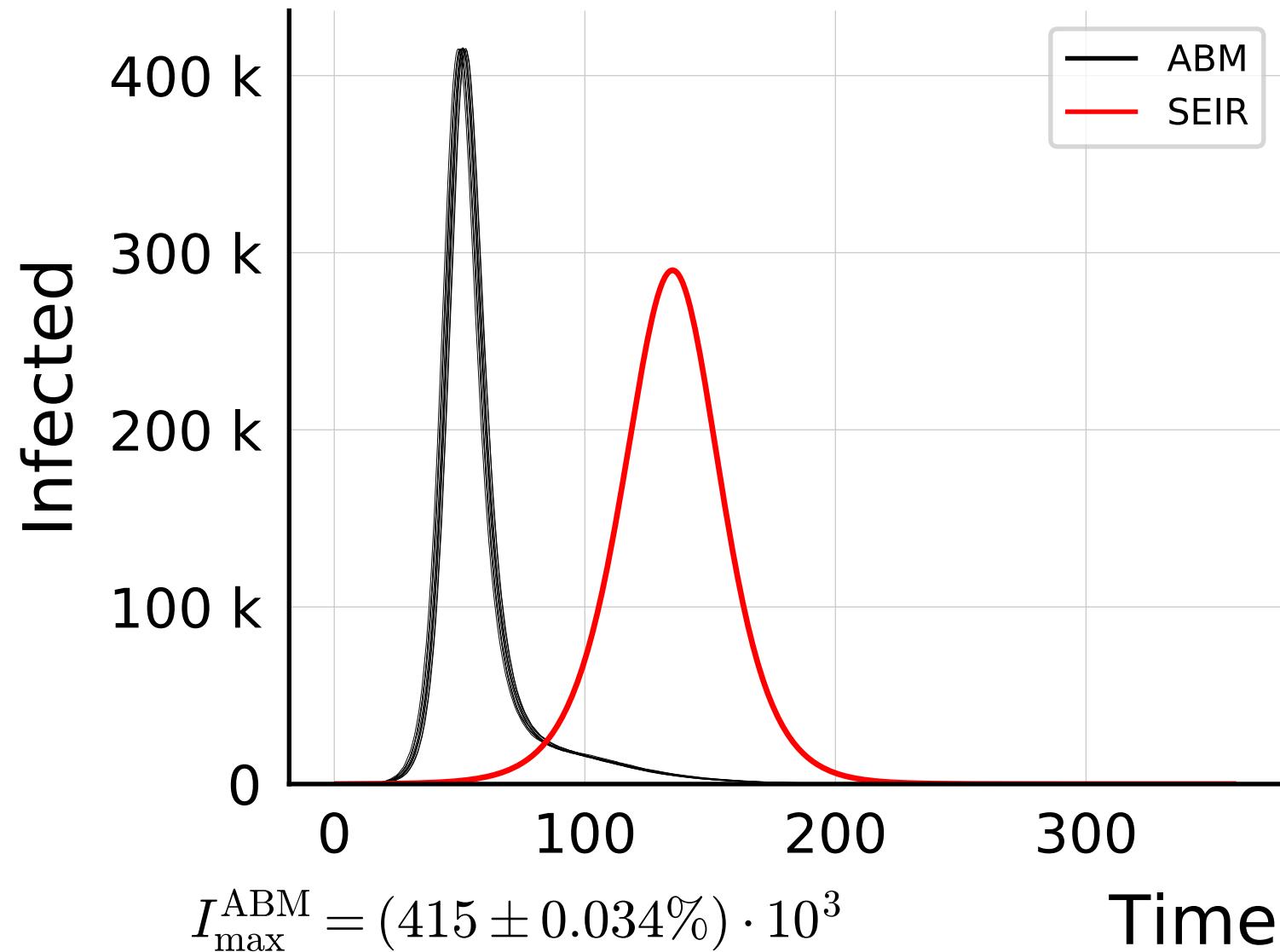
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 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , algo = 2, #10



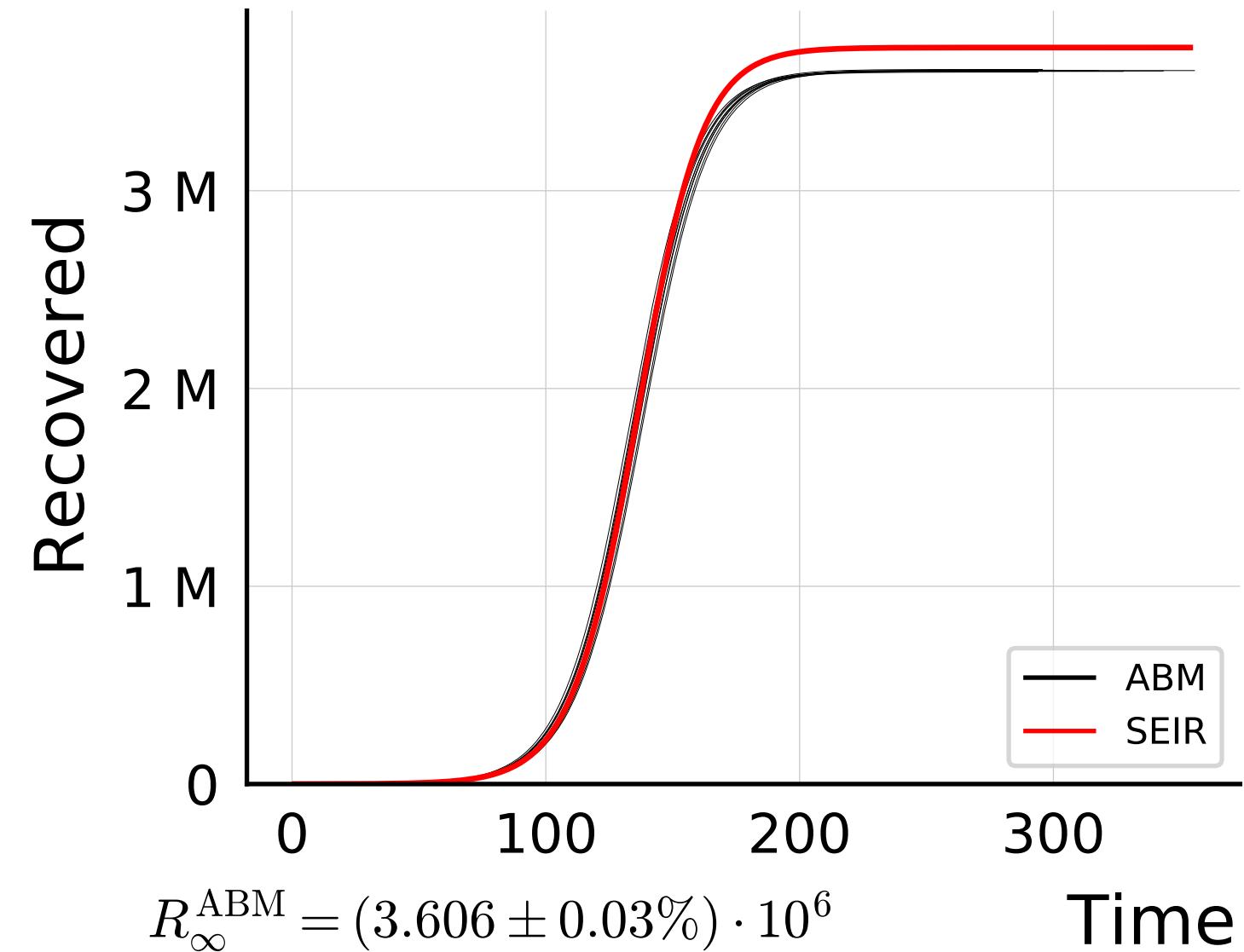
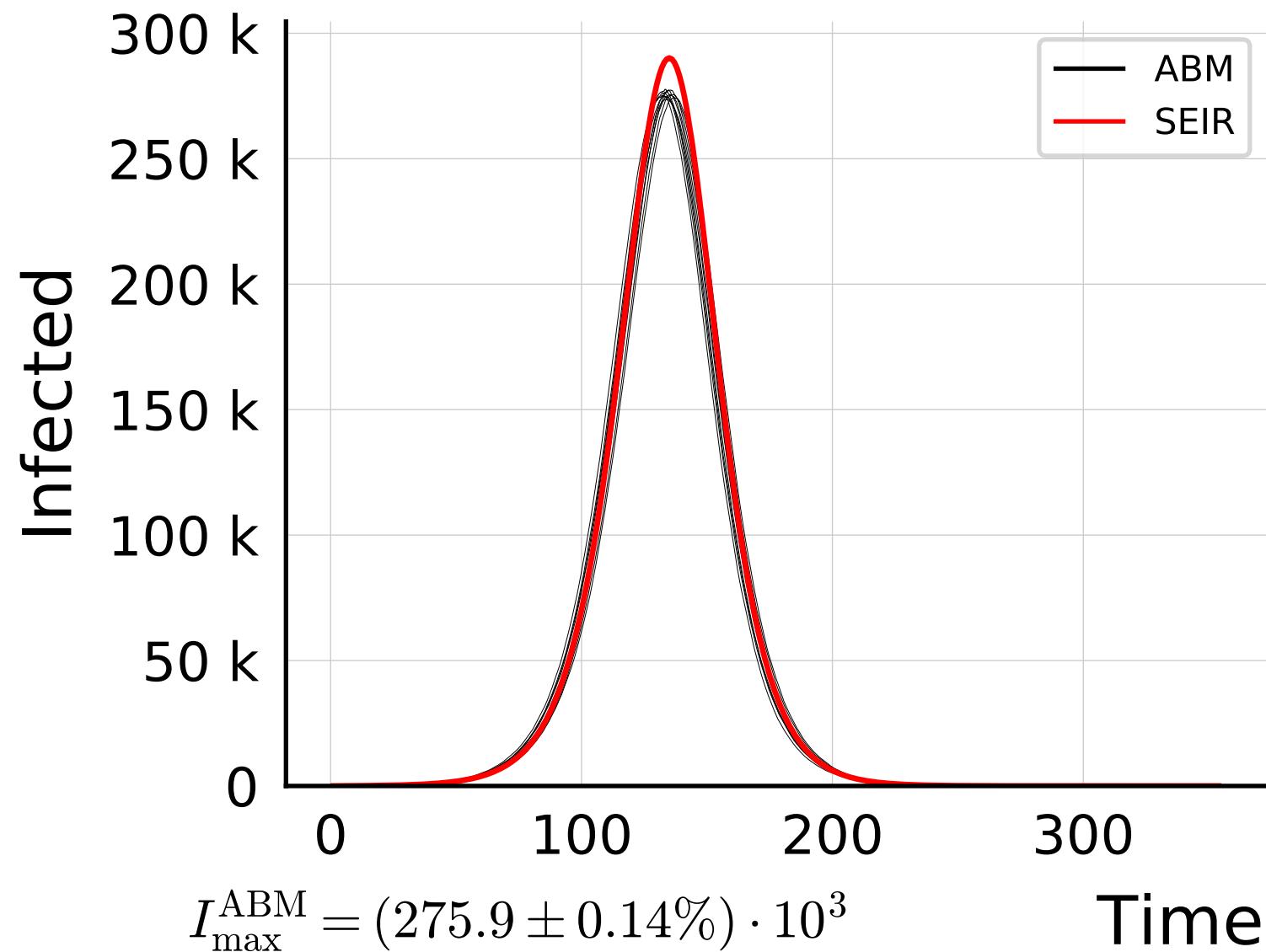
$N_{\text{tot}} = 5.8M$ ,  $N_{\text{init}} = 100$ ,  $\rho = 0.05$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , algo = 2, #10



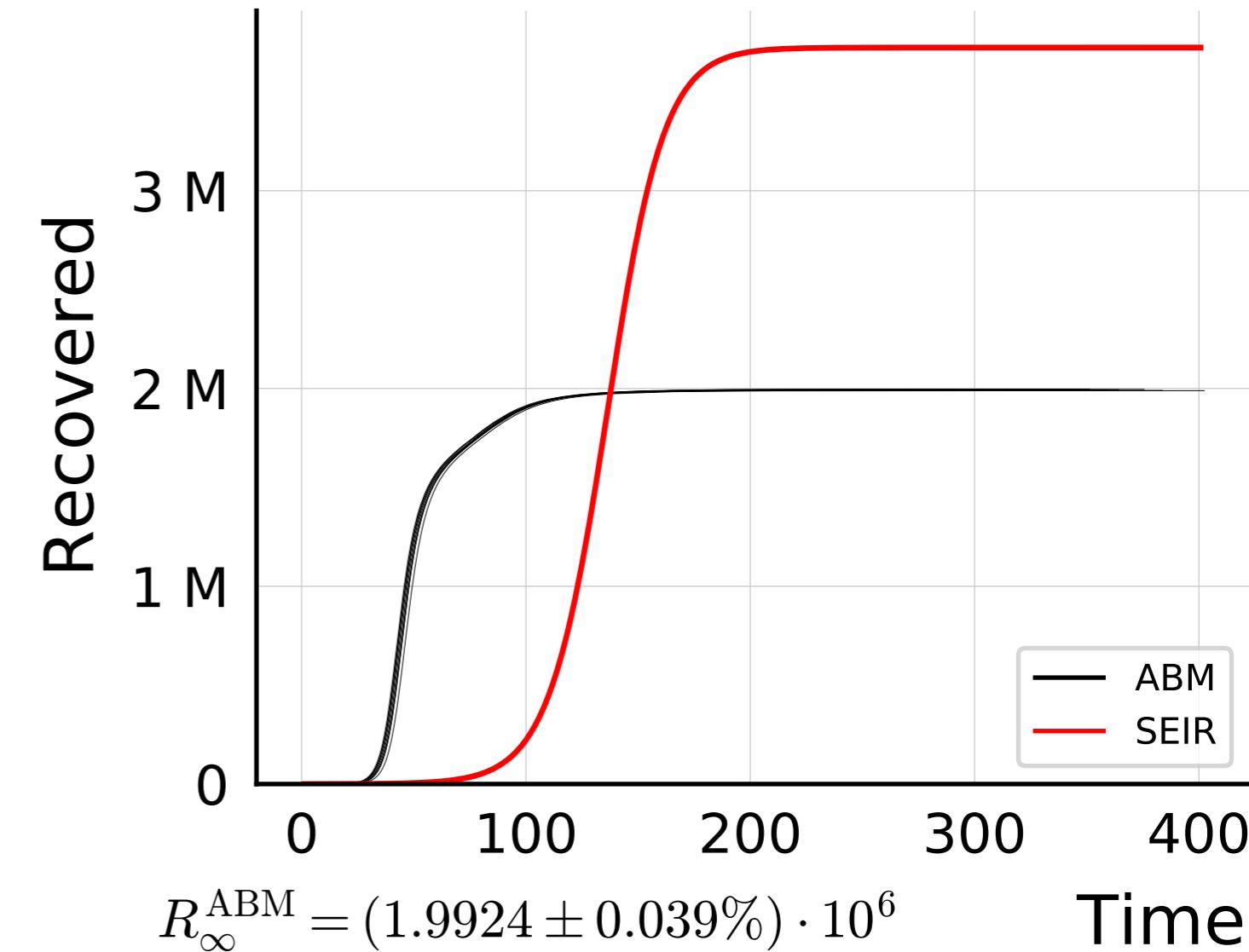
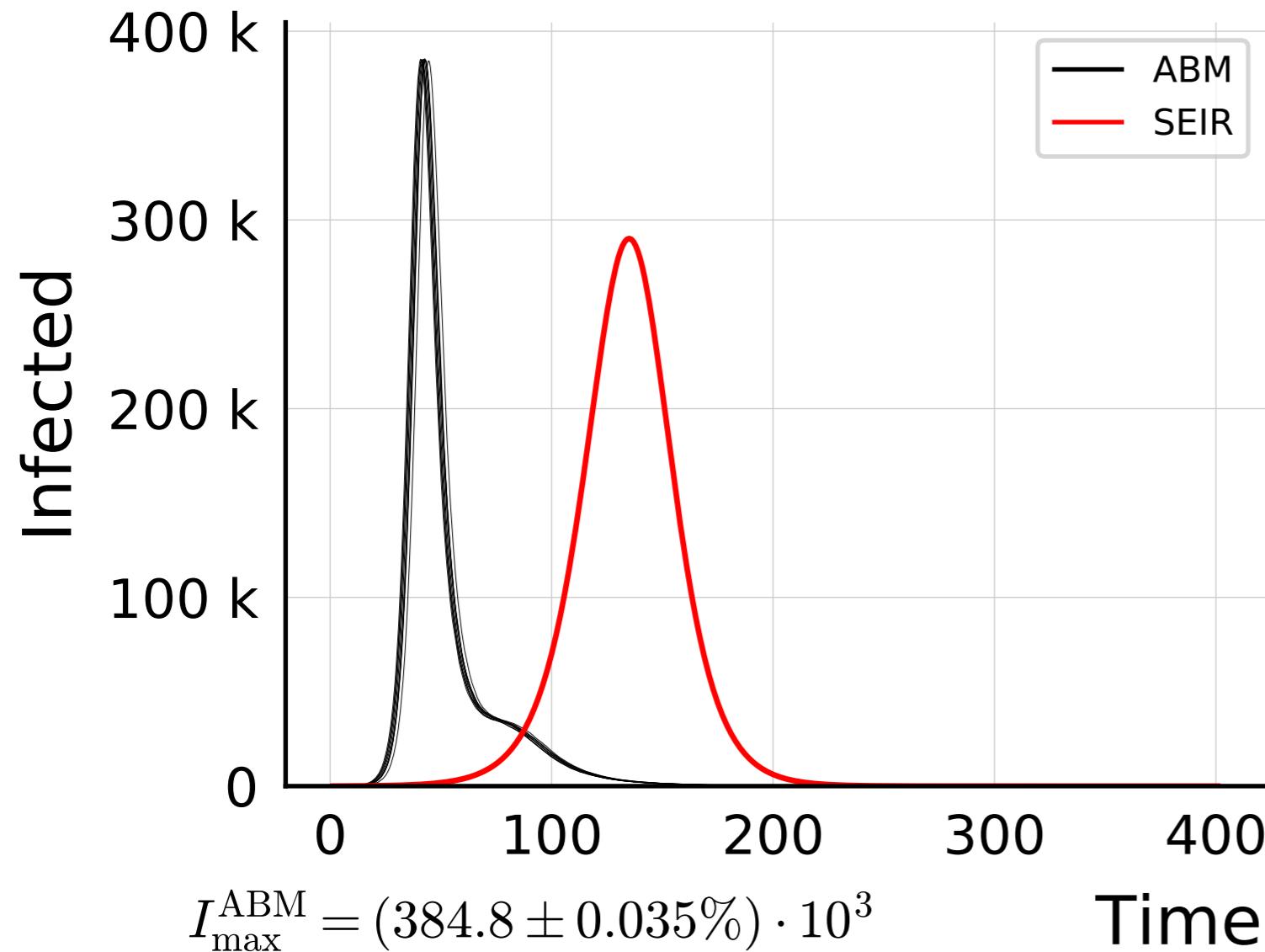
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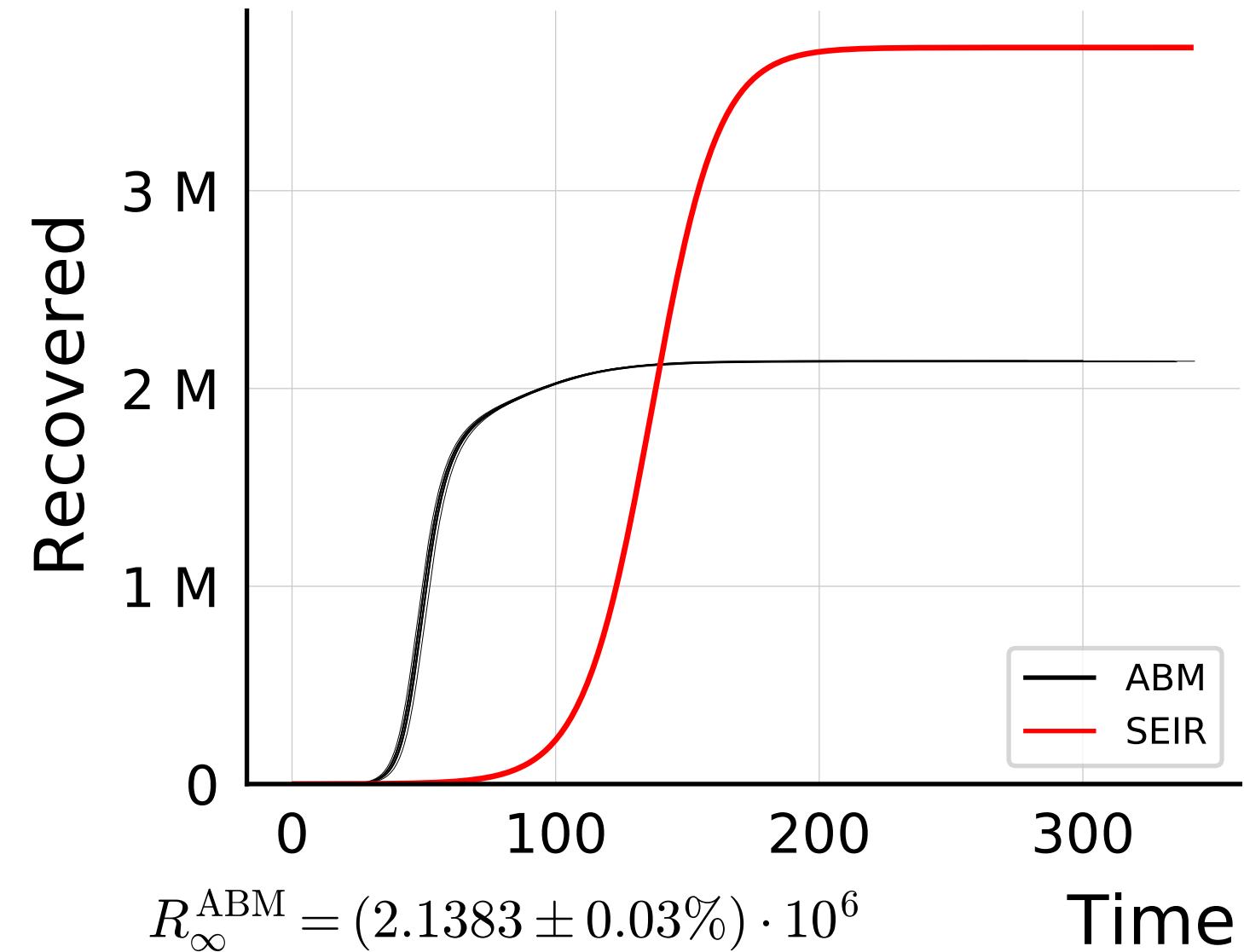
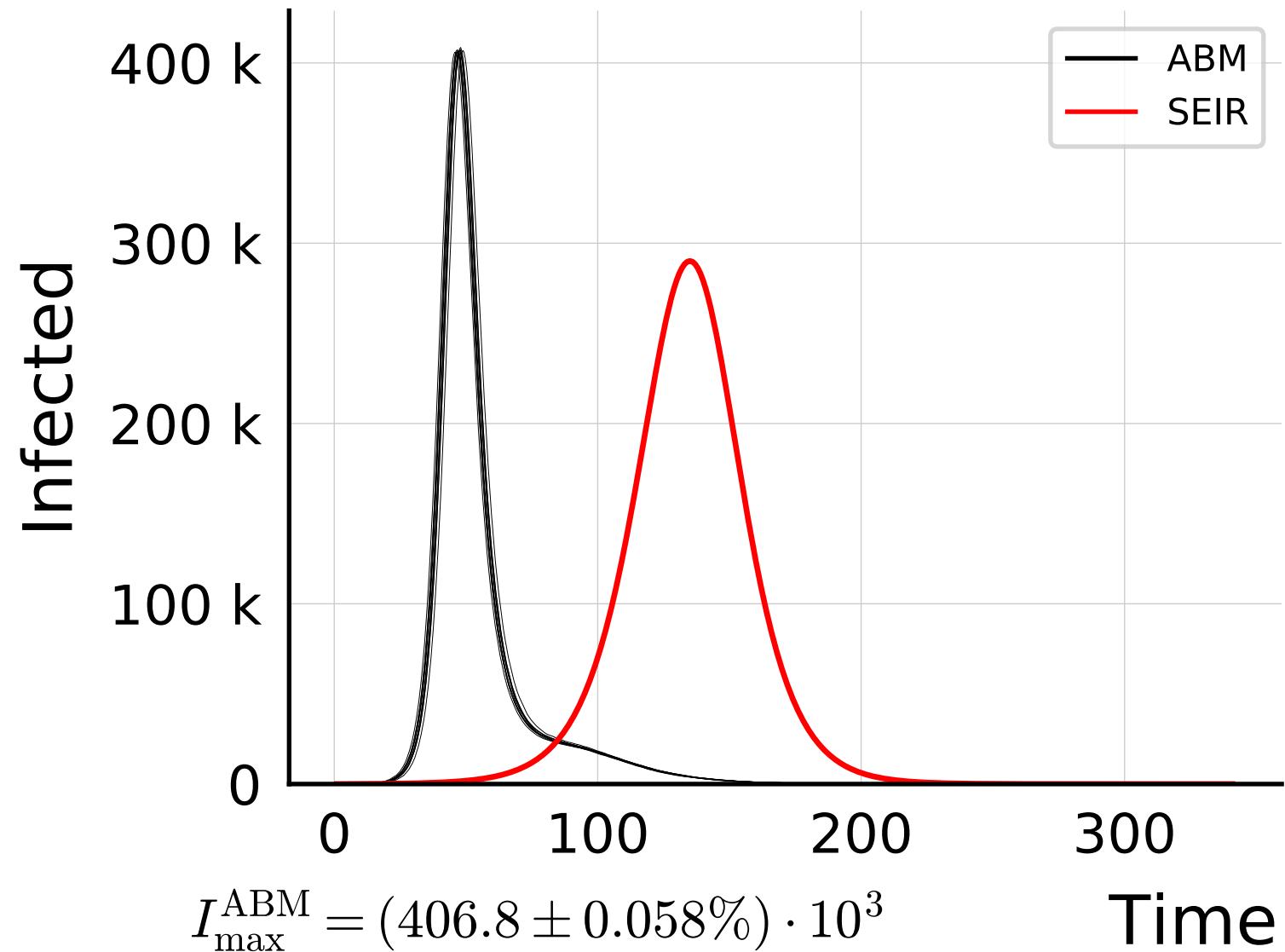
$N_{\text{tot}} = 5.8M$ ,  $N_{\text{init}} = 100$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , algo = 2, #10



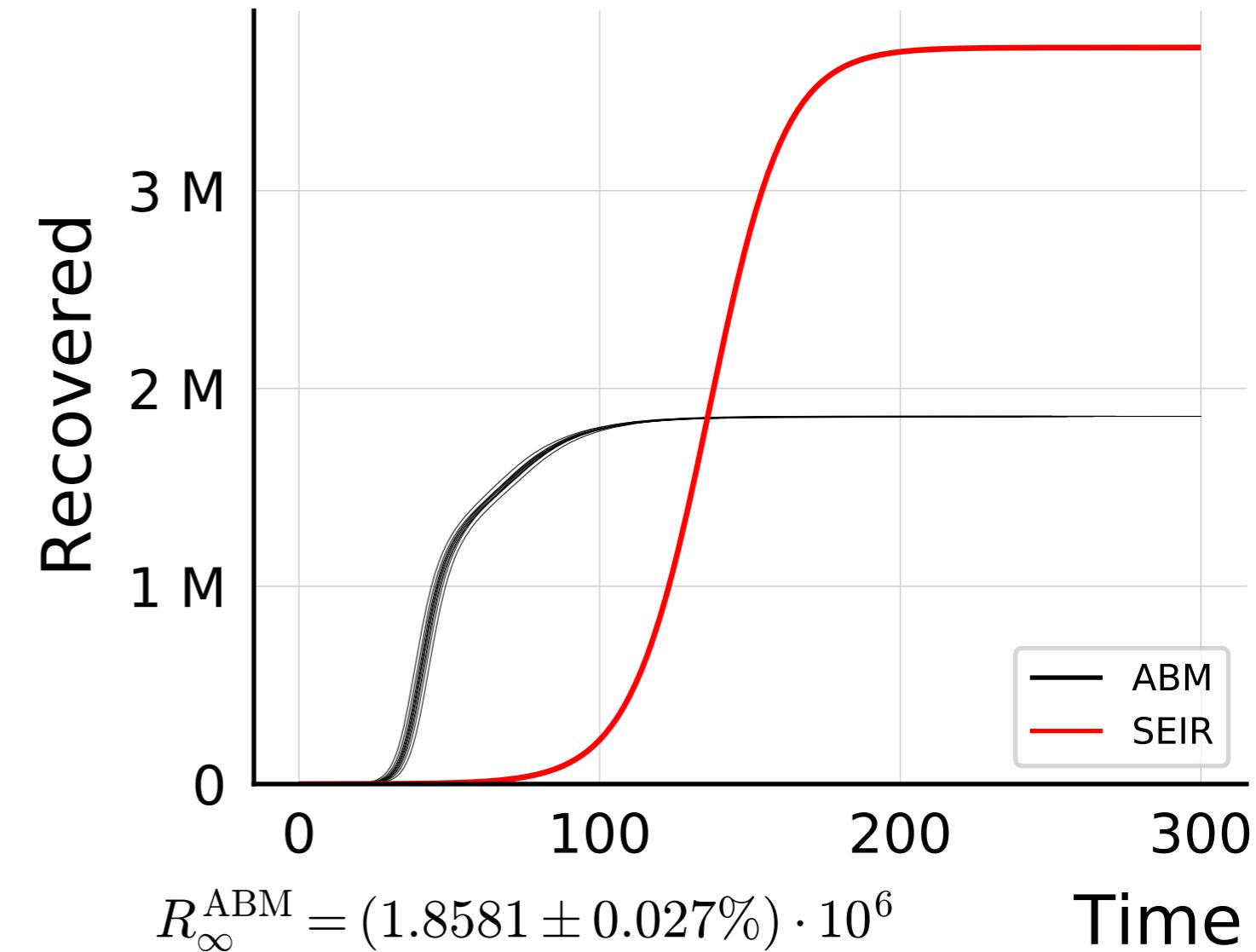
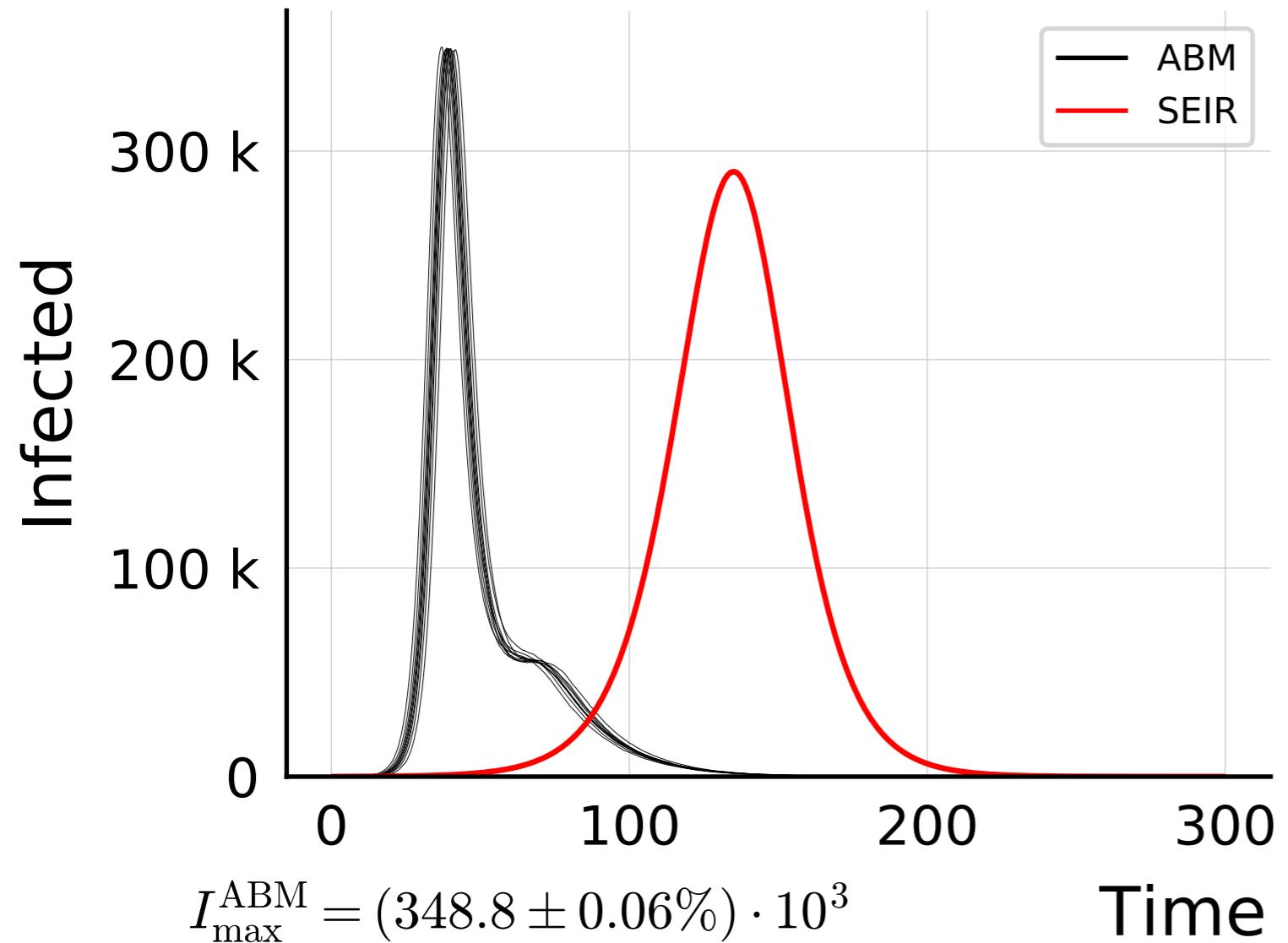
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 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , algo = 2, #10



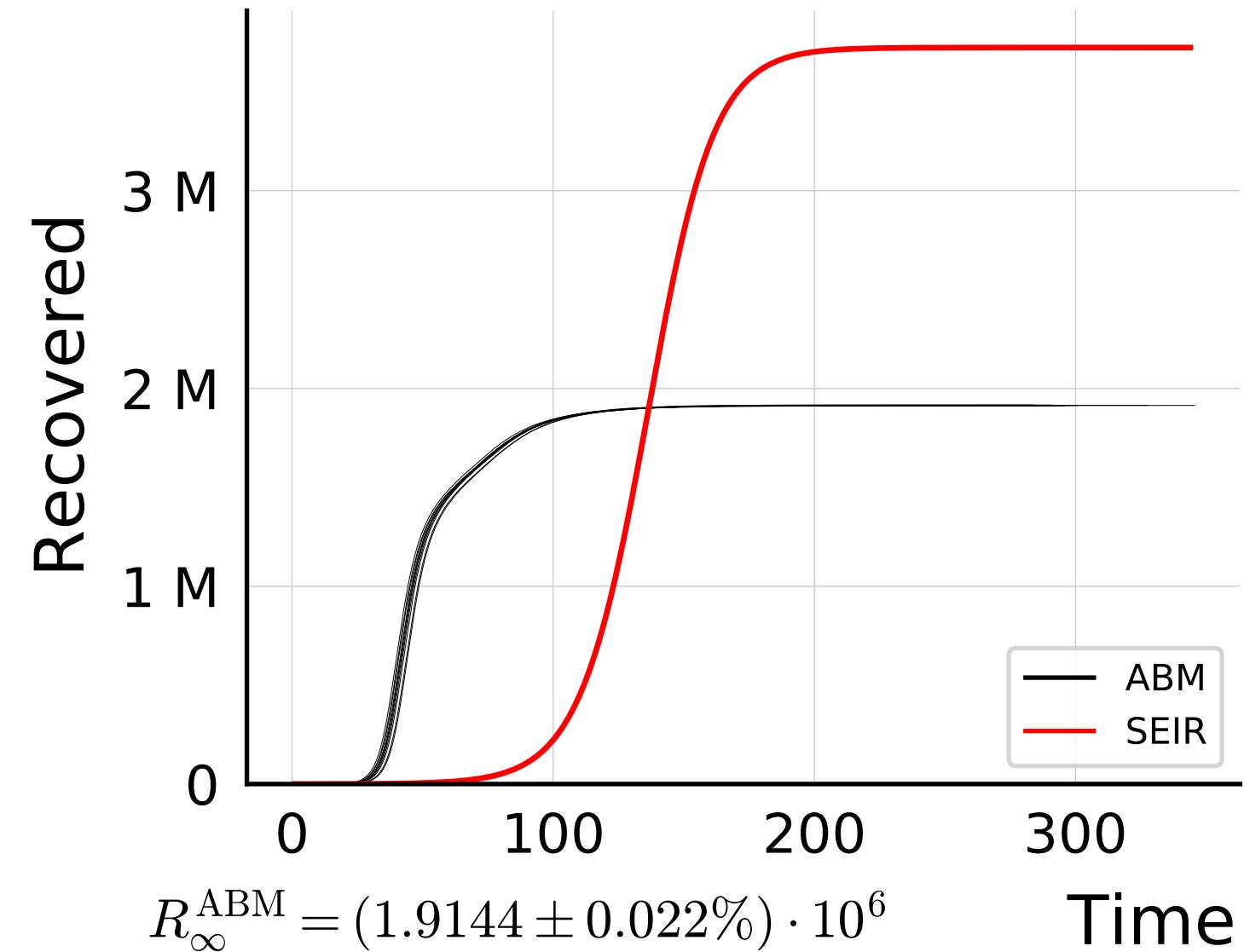
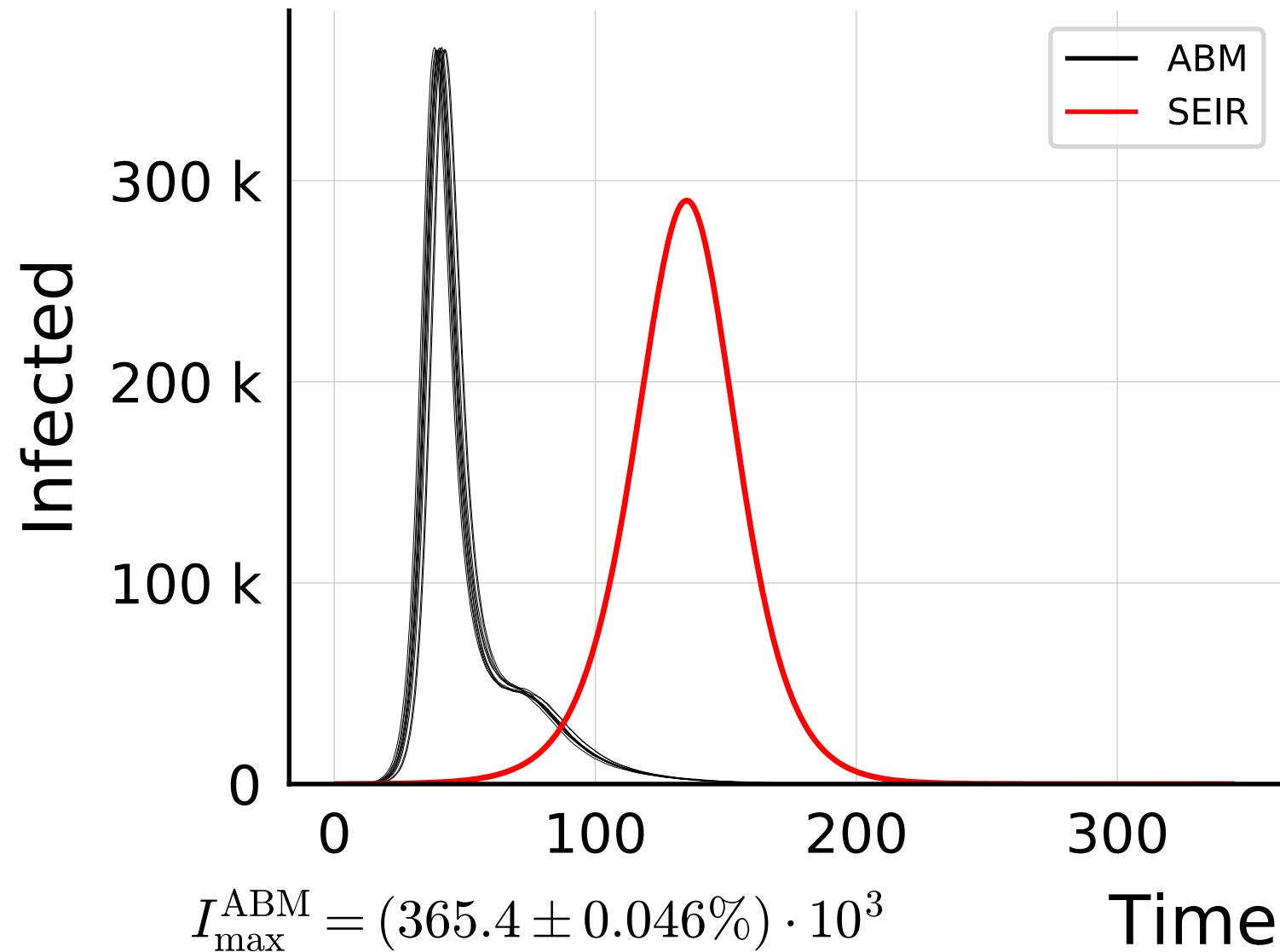
$N_{\text{tot}} = 5.8M$ ,  $N_{\text{init}} = 100$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , algo = 2, #10



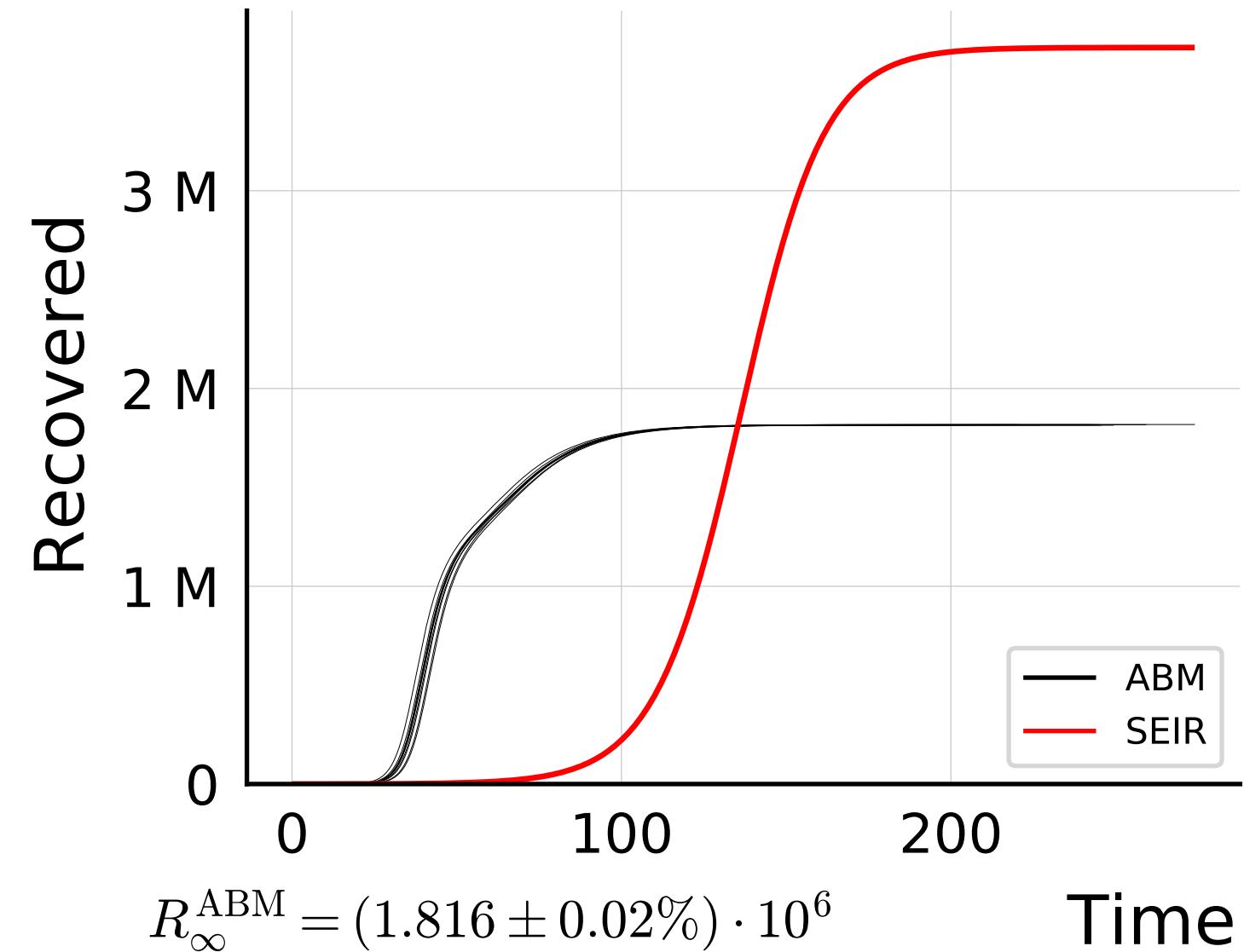
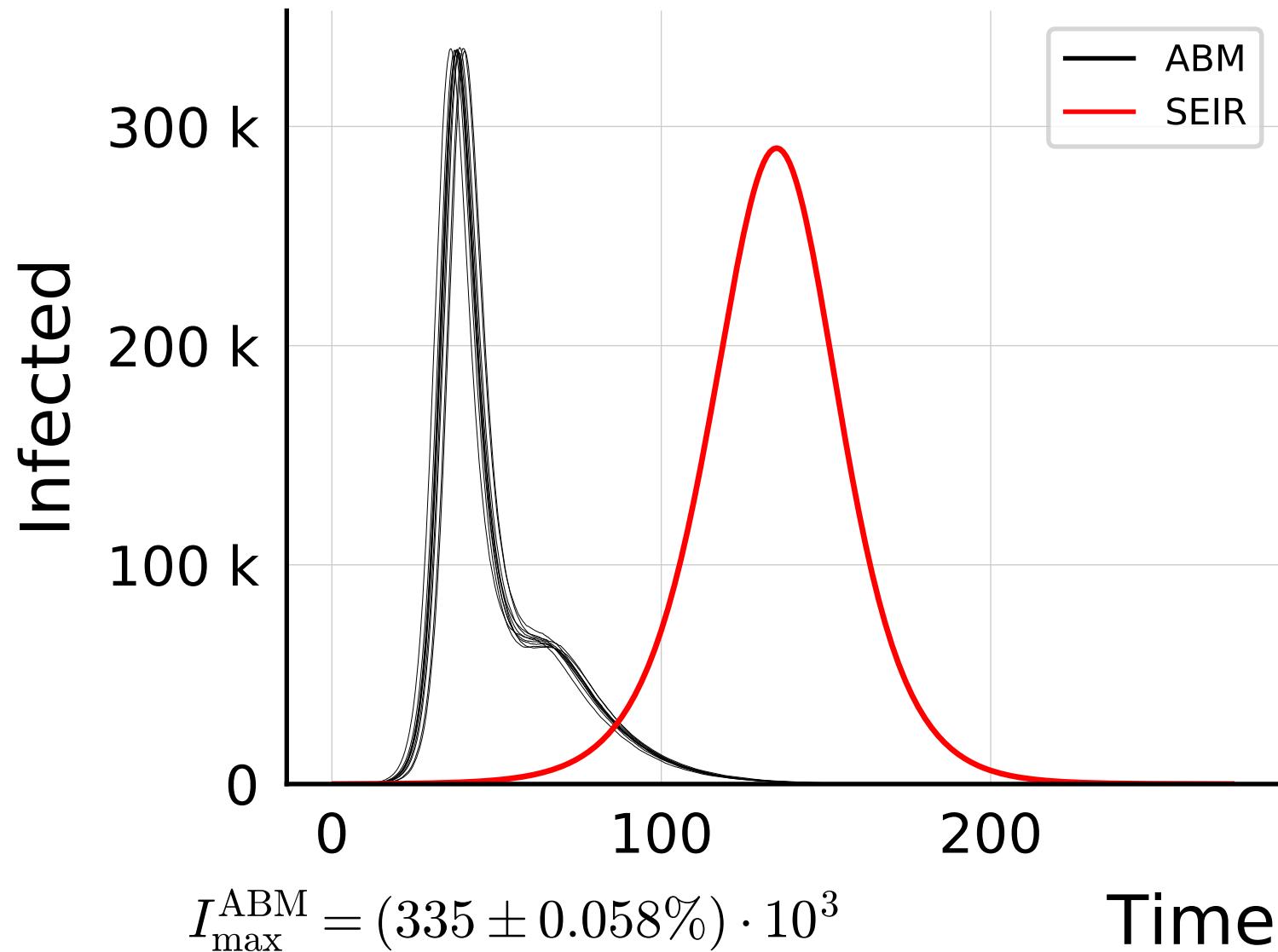
$N_{\text{tot}} = 5.8M$ ,  $N_{\text{init}} = 100$ ,  $\rho = 0.25$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , algo = 2, #10



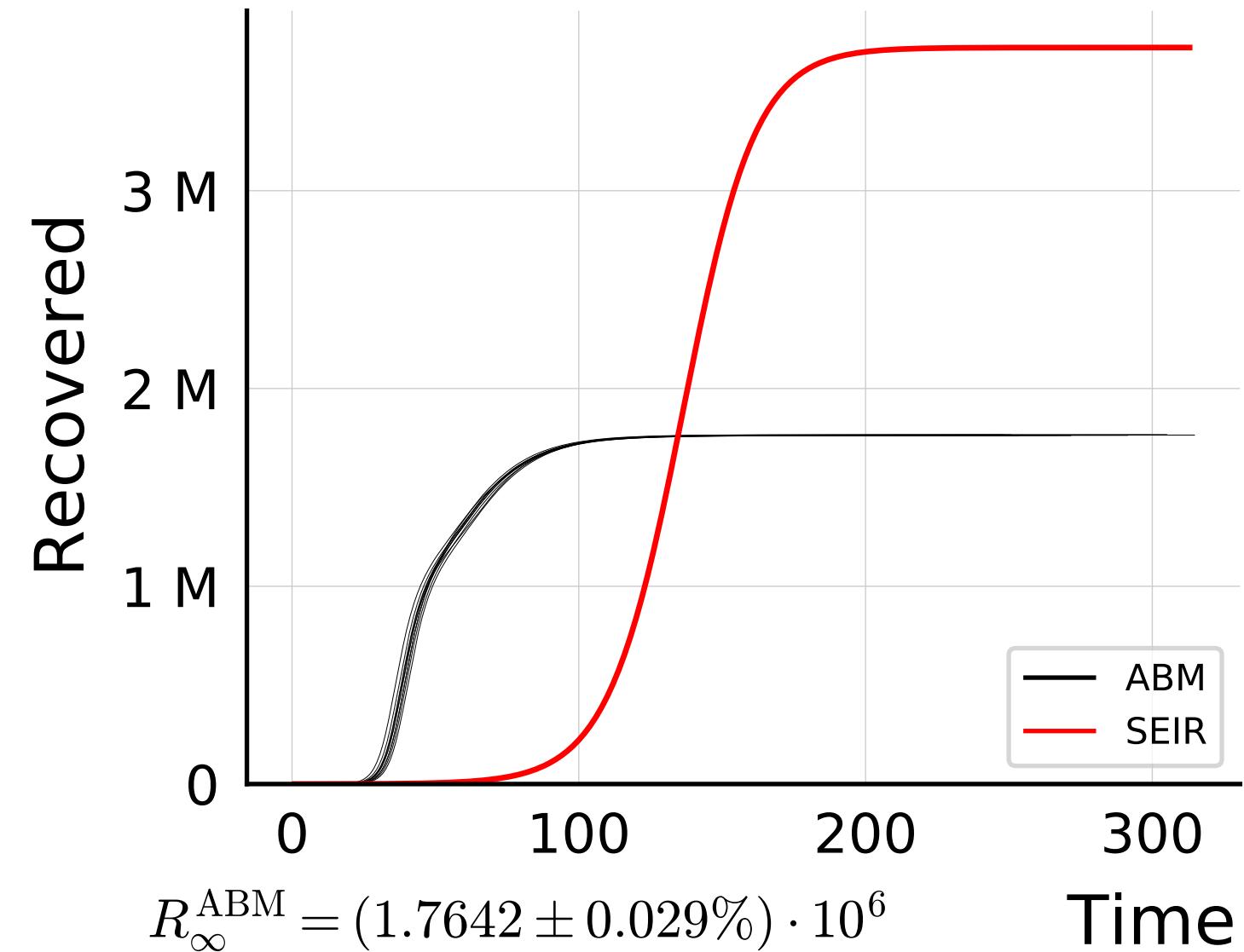
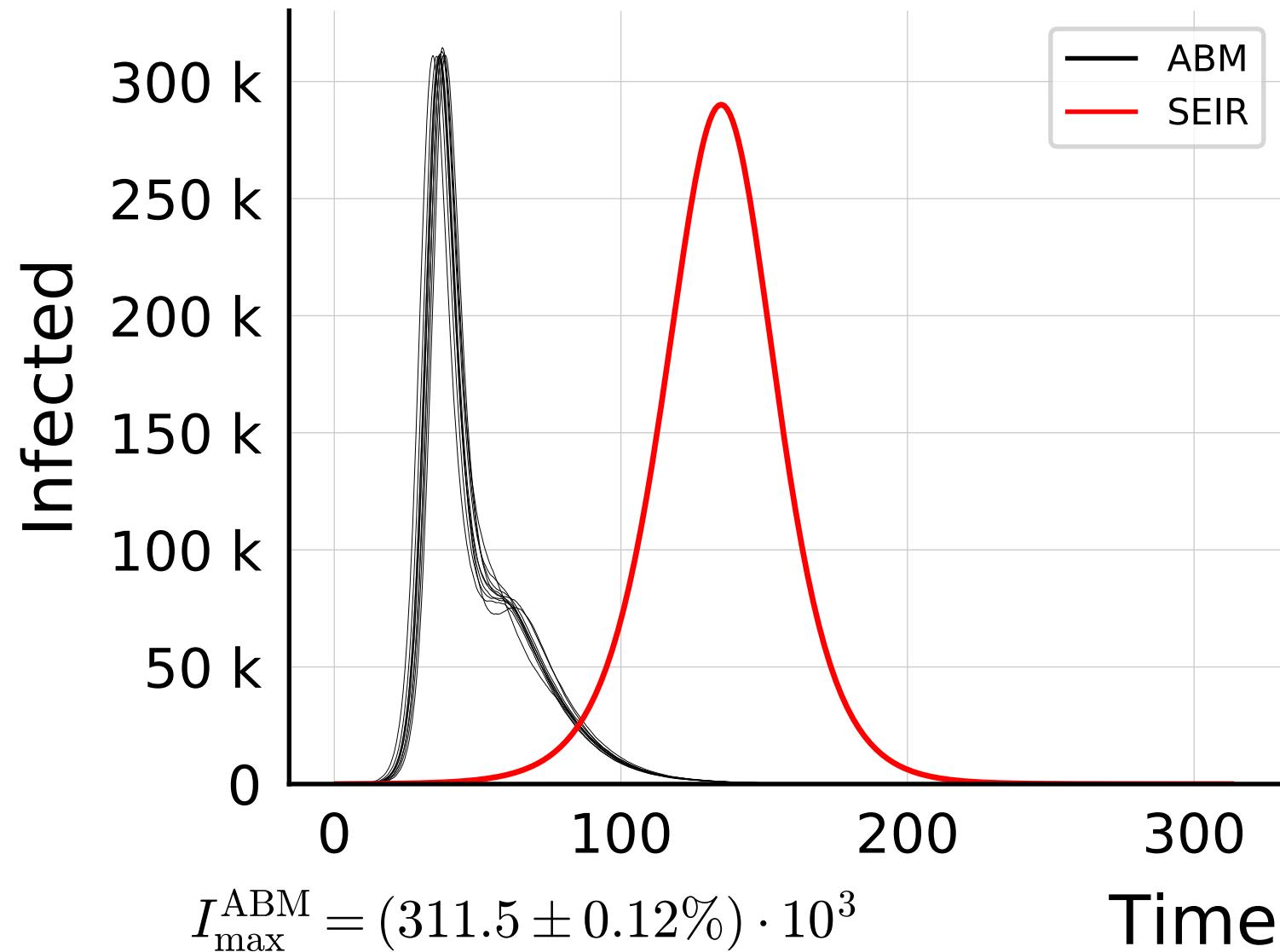
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 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , algo = 2, #10



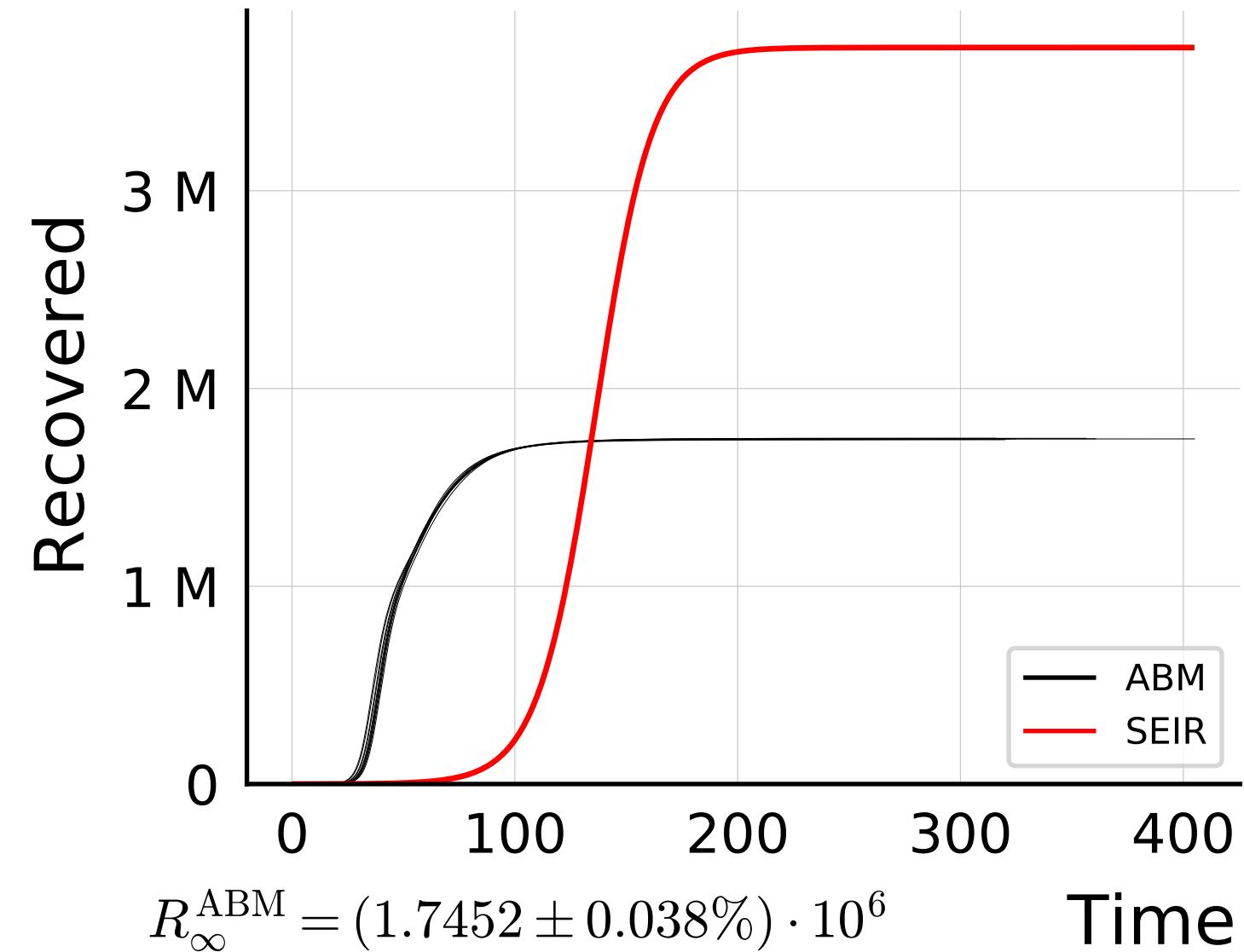
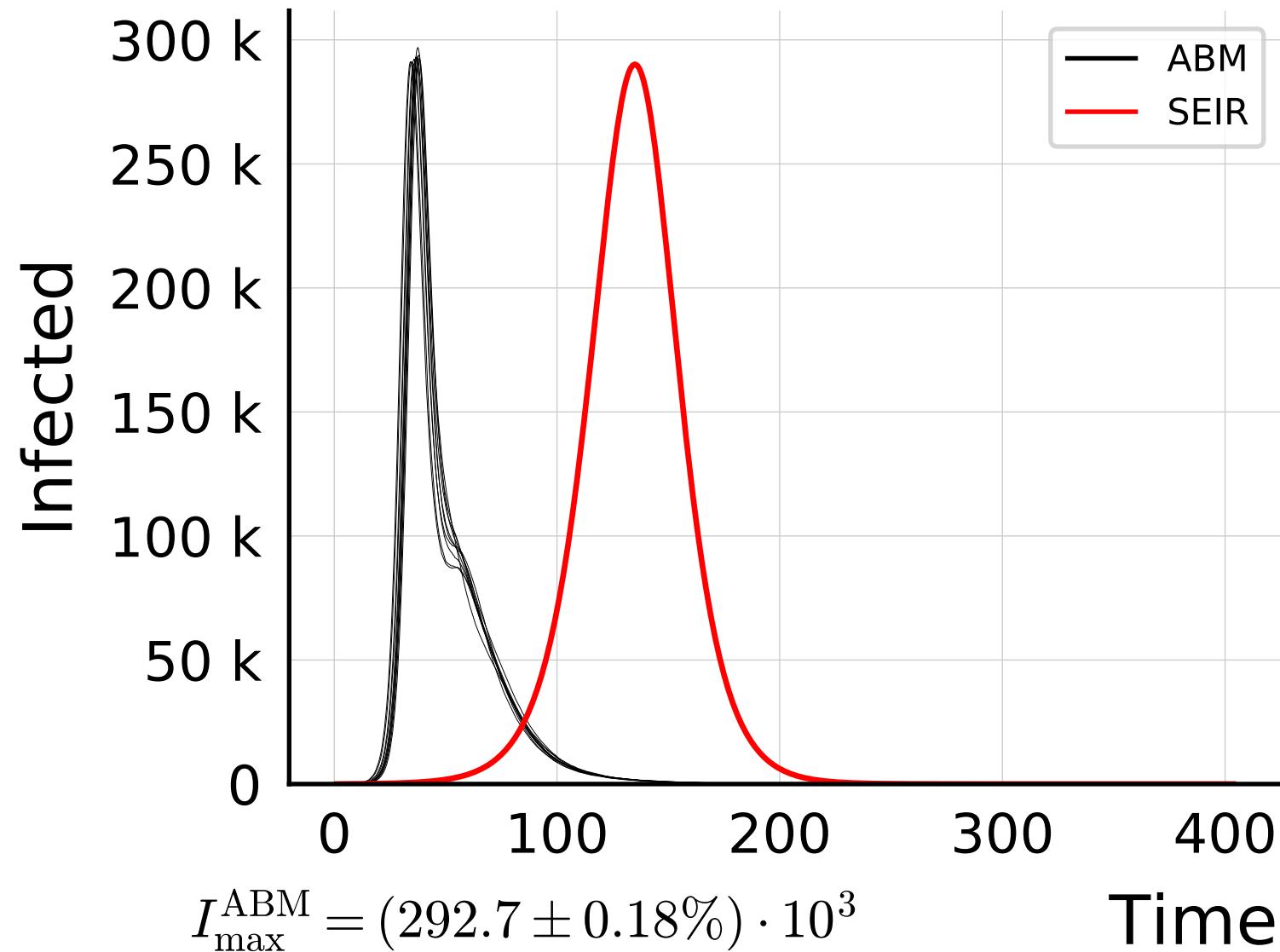
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 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , algo = 2, #10



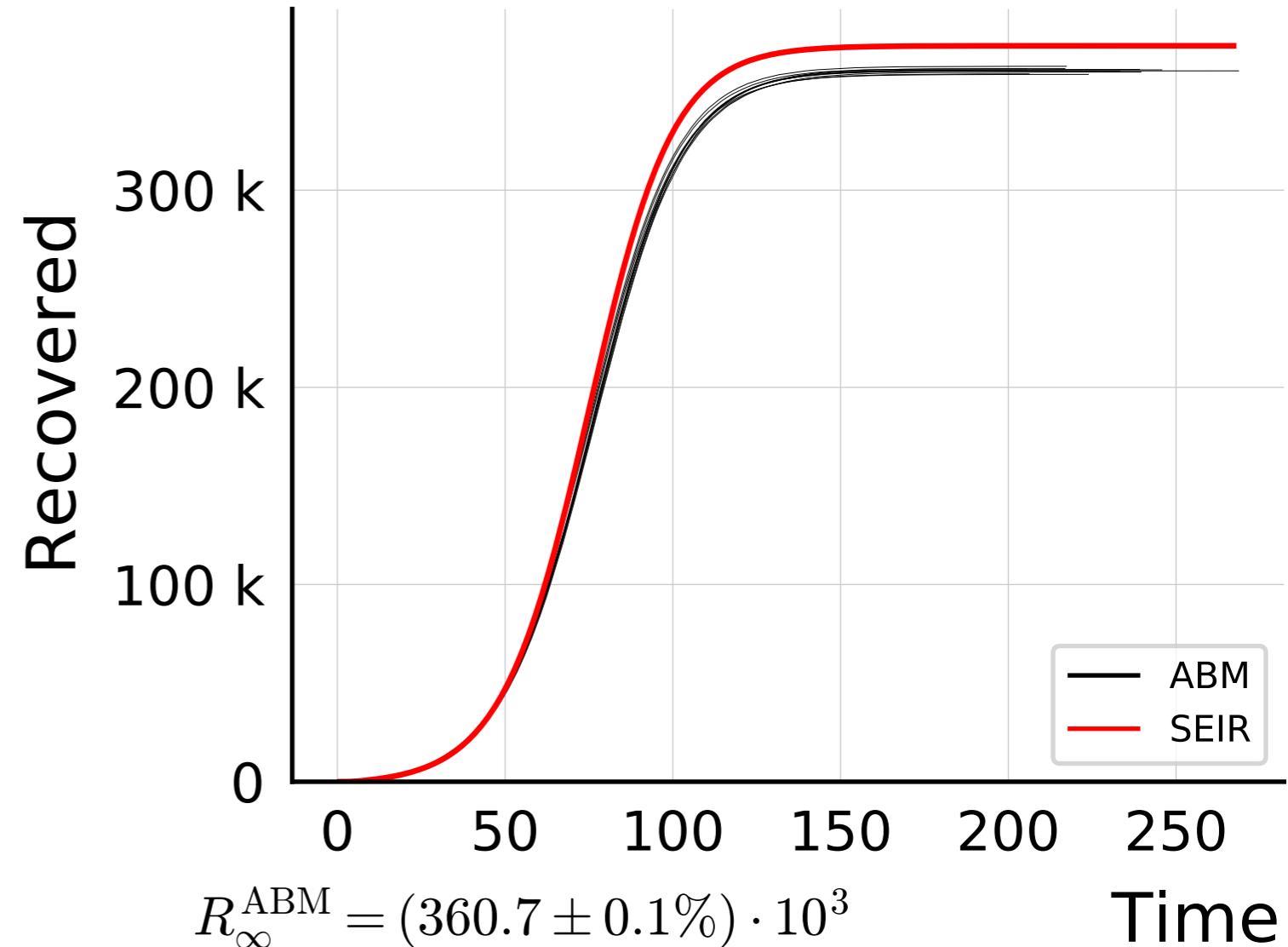
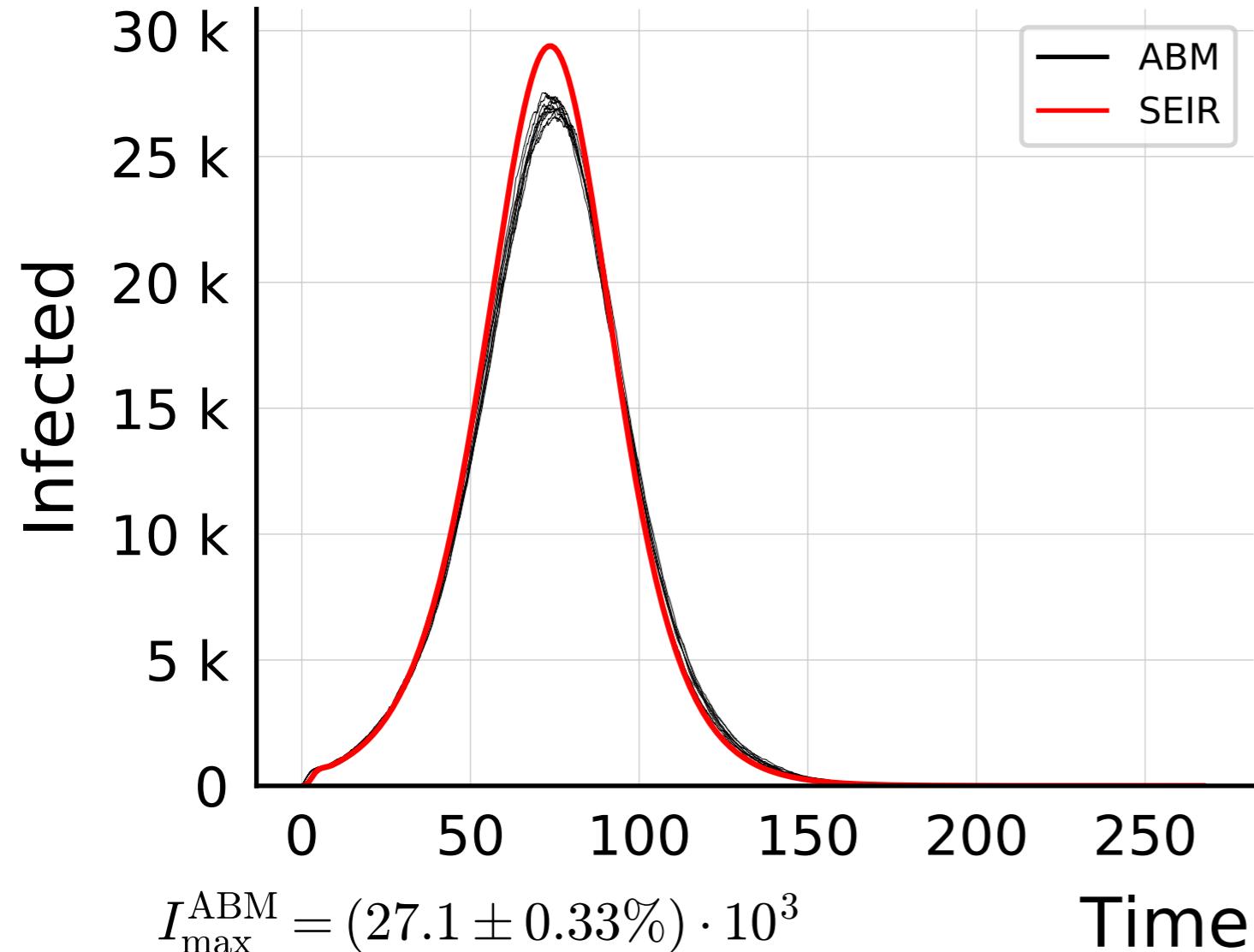
$N_{\text{tot}} = 5.8M$ ,  $N_{\text{init}} = 100$ ,  $\rho = 0.4$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , algo = 2, #10



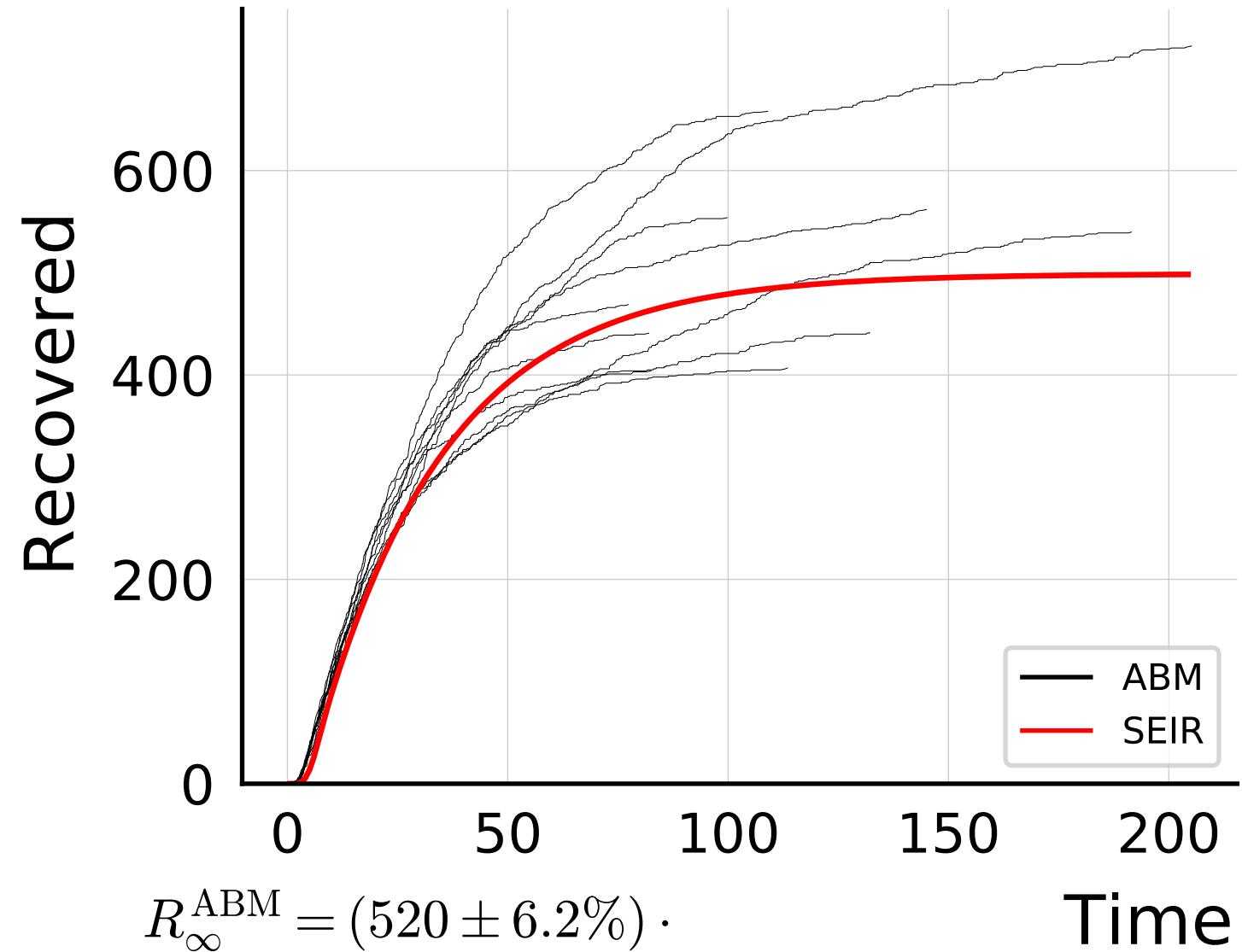
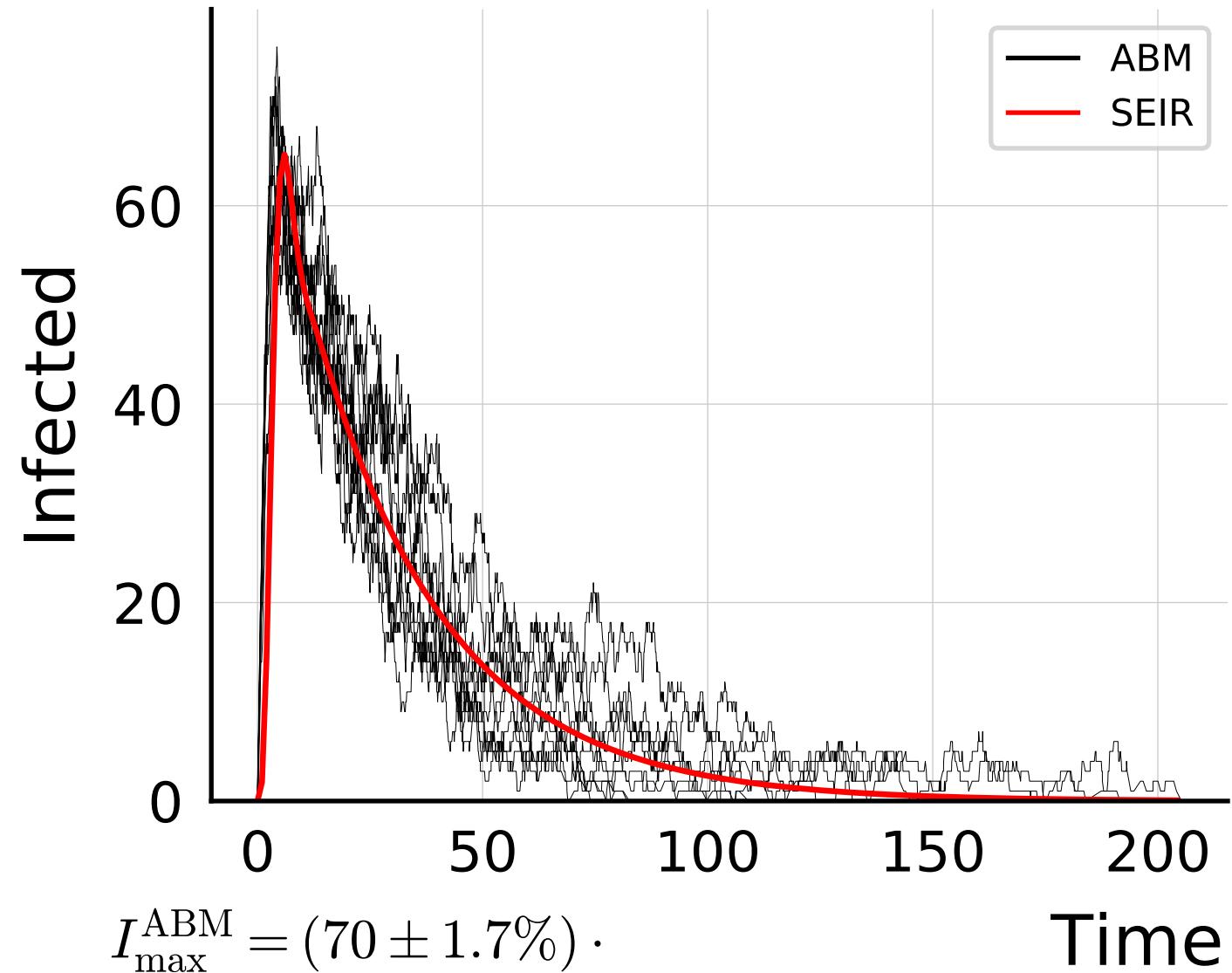
$N_{\text{tot}} = 5.8M$ ,  $N_{\text{init}} = 100$ ,  $\rho = 0.5$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , algo = 2, #10



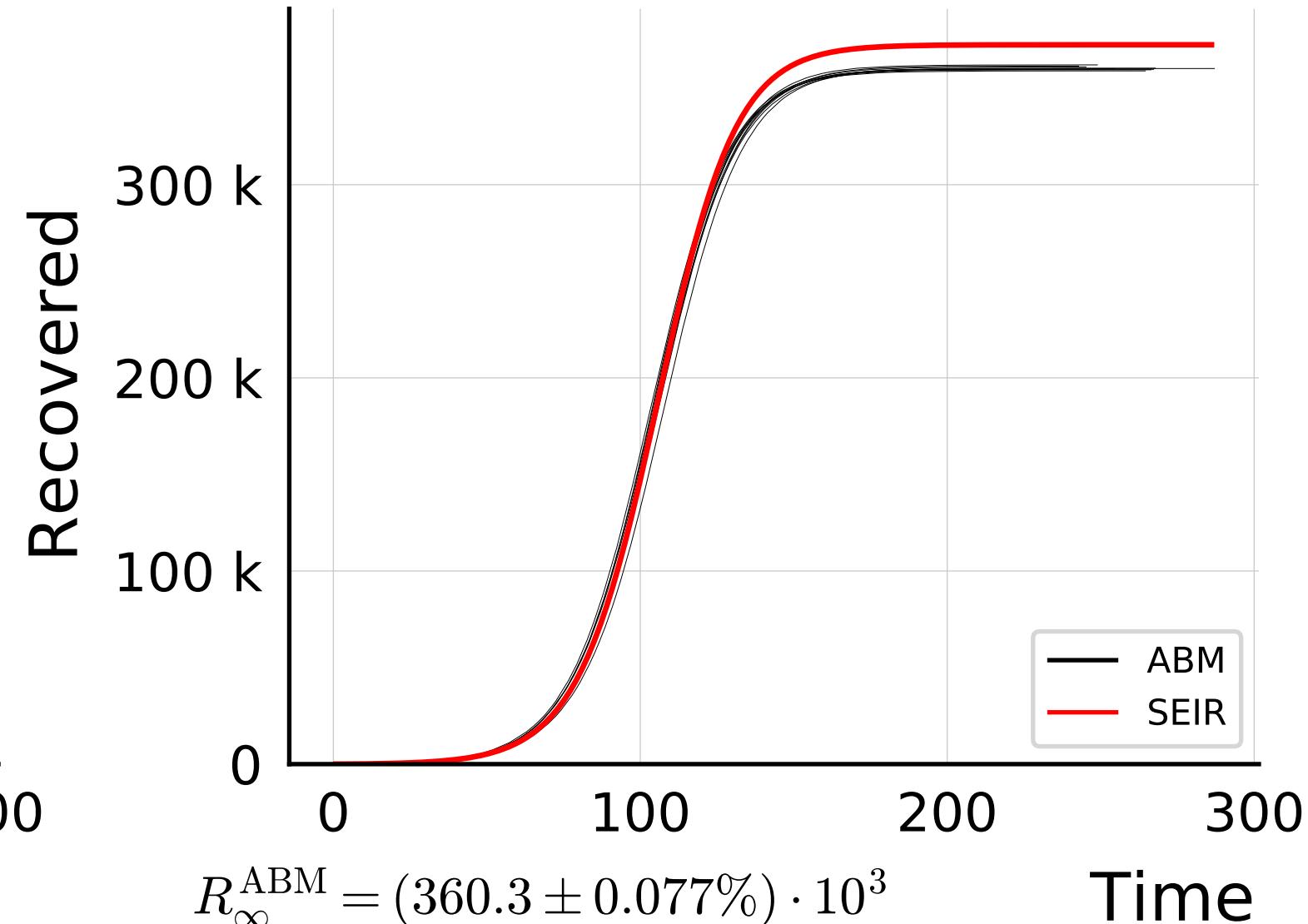
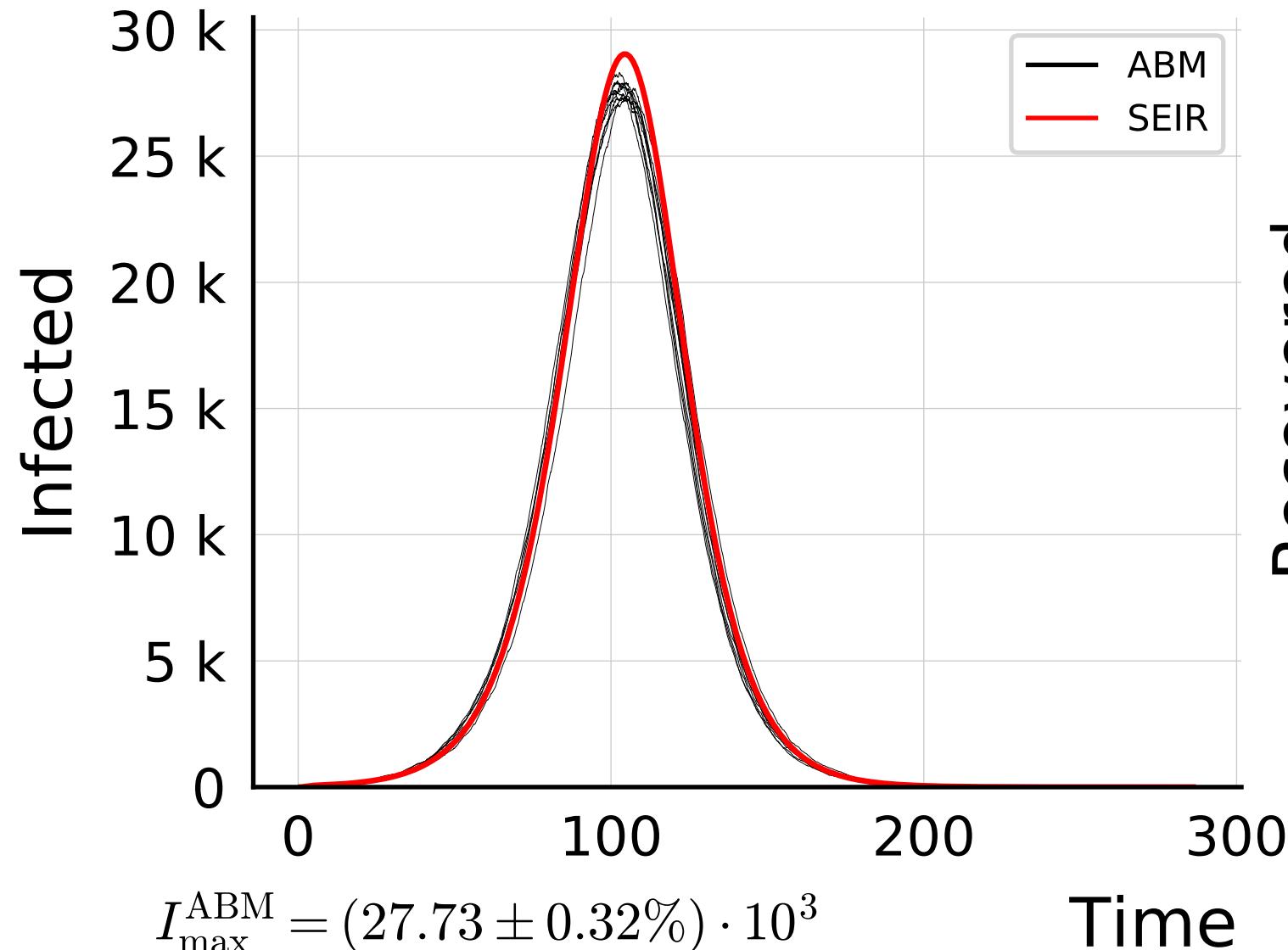
$N_{\text{tot}} = 580K$ ,  $N_{\text{init}} = 1K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , algo = 2, #10



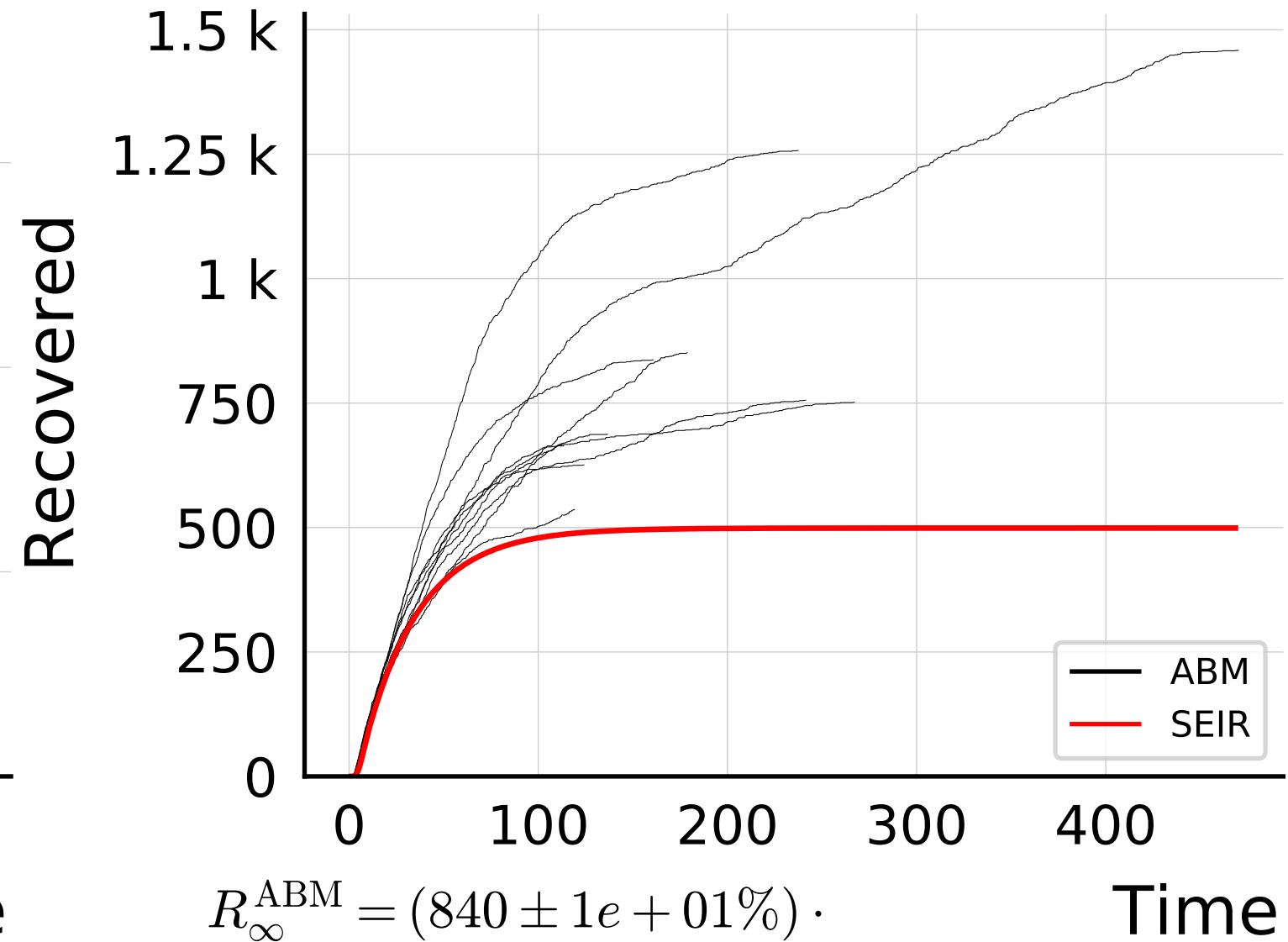
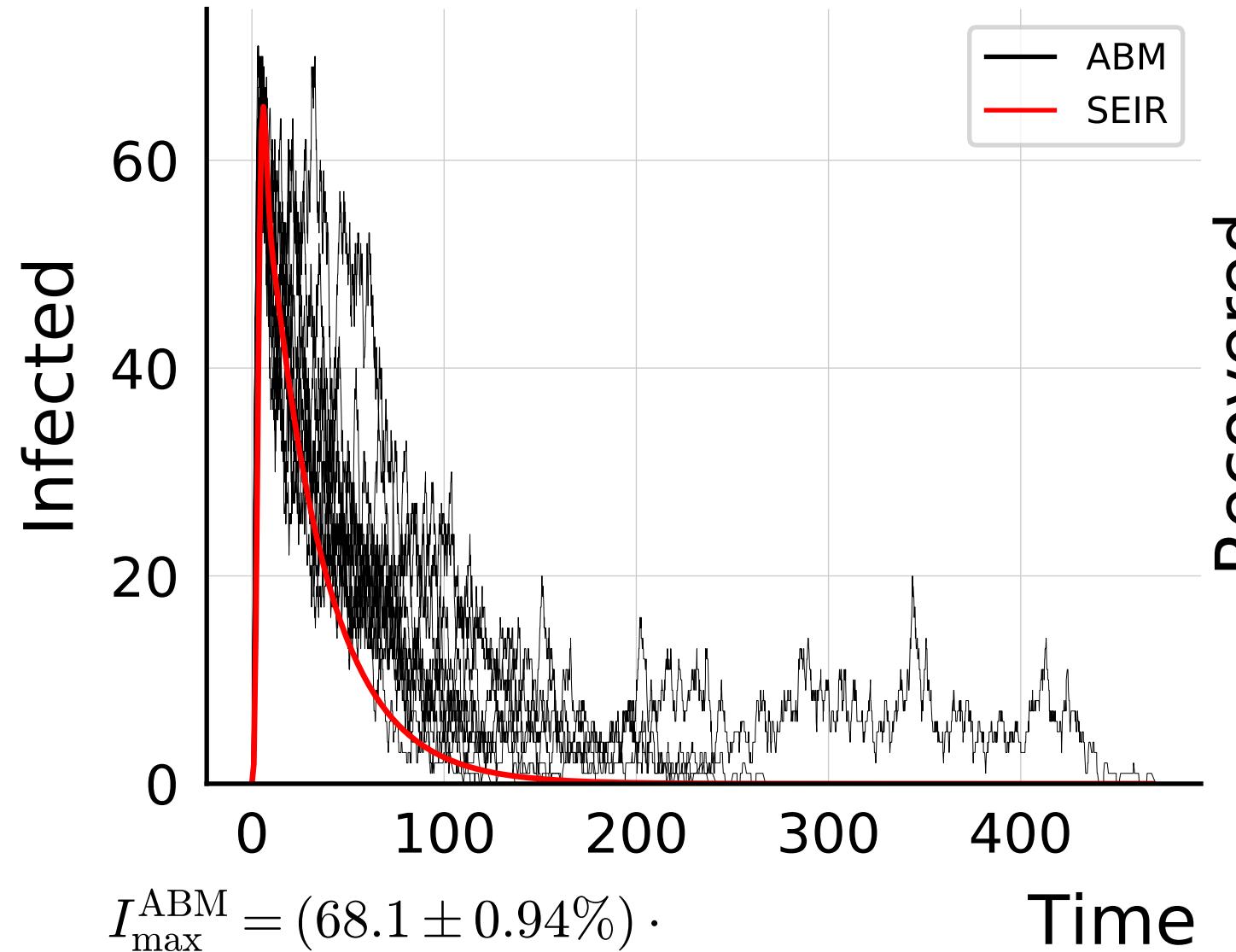
$N_{\text{tot}} = 580K$ ,  $N_{\text{init}} = 100$ ,  $\rho = 0.005$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.005$ ,  $\sigma_\beta = 0.0$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , algo = 2, #10



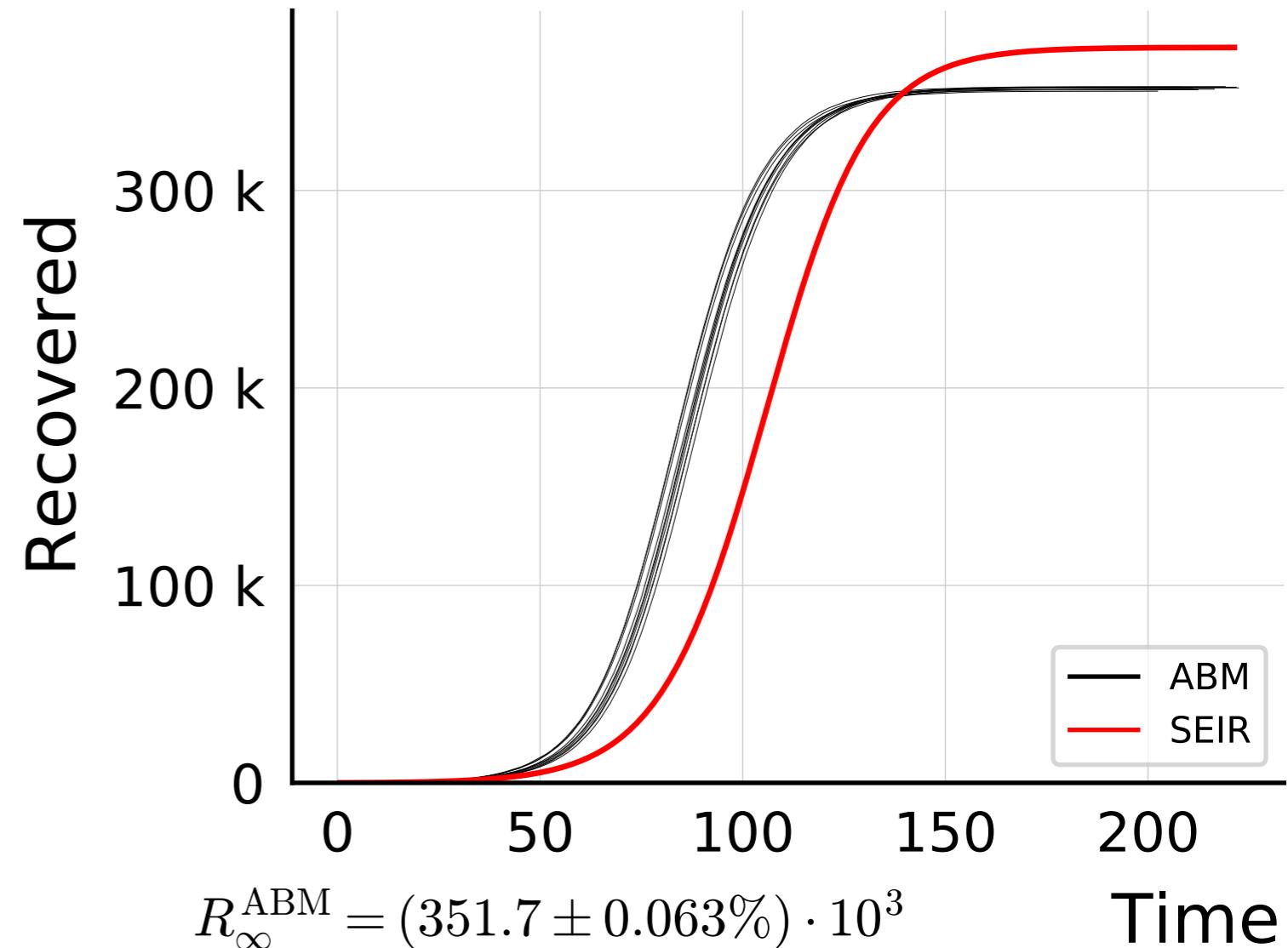
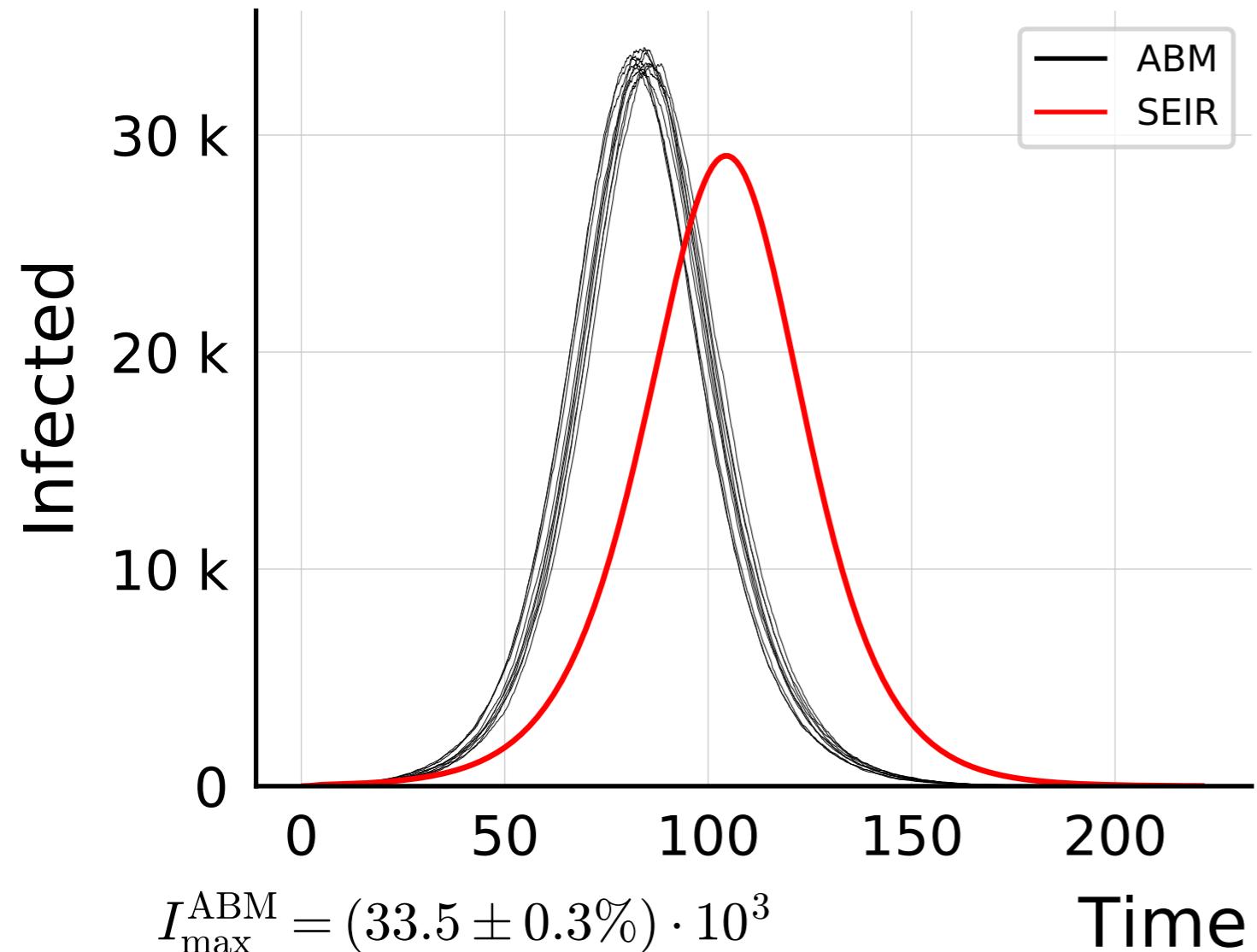
$N_{\text{tot}} = 580K$ ,  $N_{\text{init}} = 100$ ,  $\rho = 0.005$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , algo = 2, #10



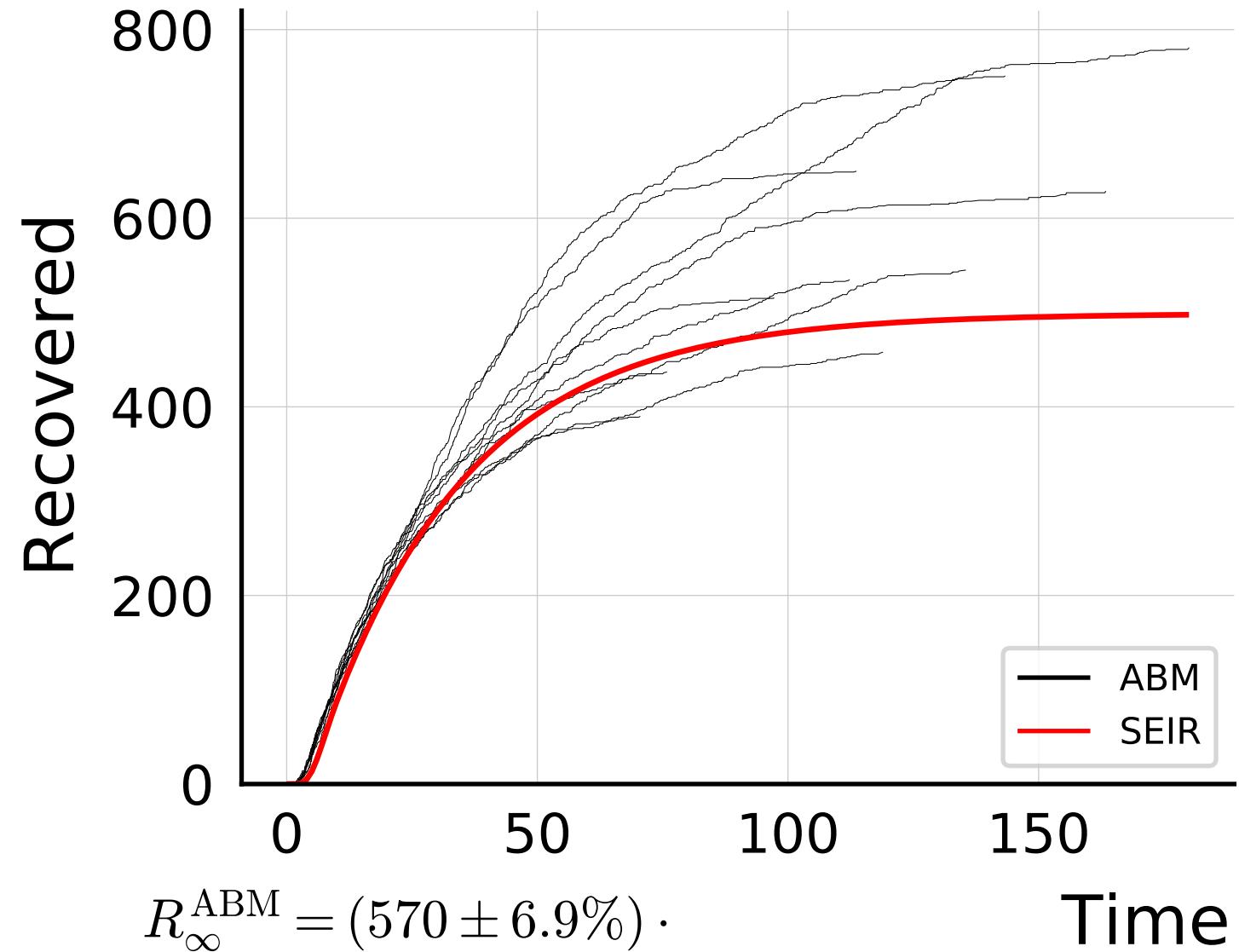
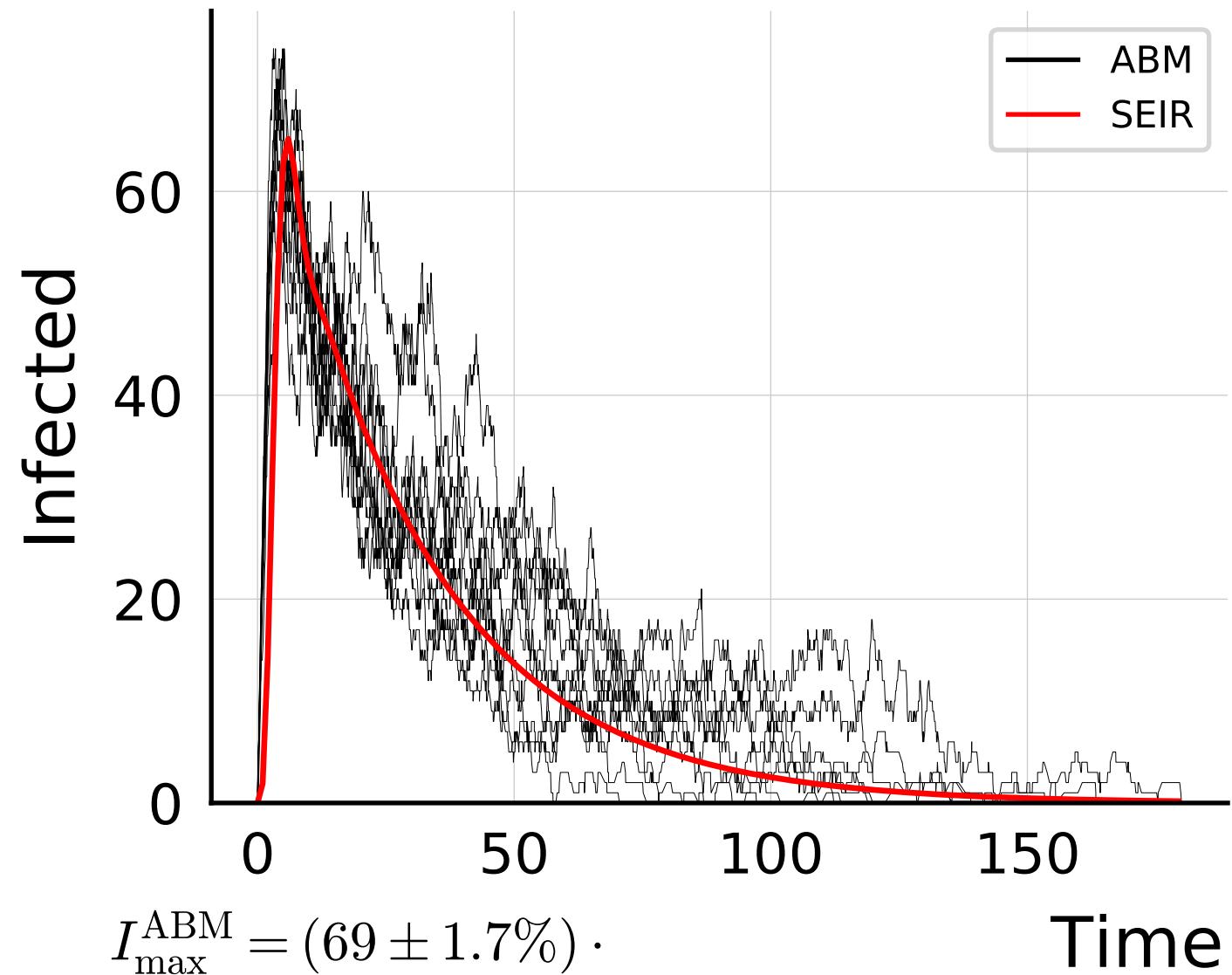
$N_{\text{tot}} = 580K$ ,  $N_{\text{init}} = 100$ ,  $\rho = 0.015$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.005$ ,  $\sigma_\beta = 0.0$   
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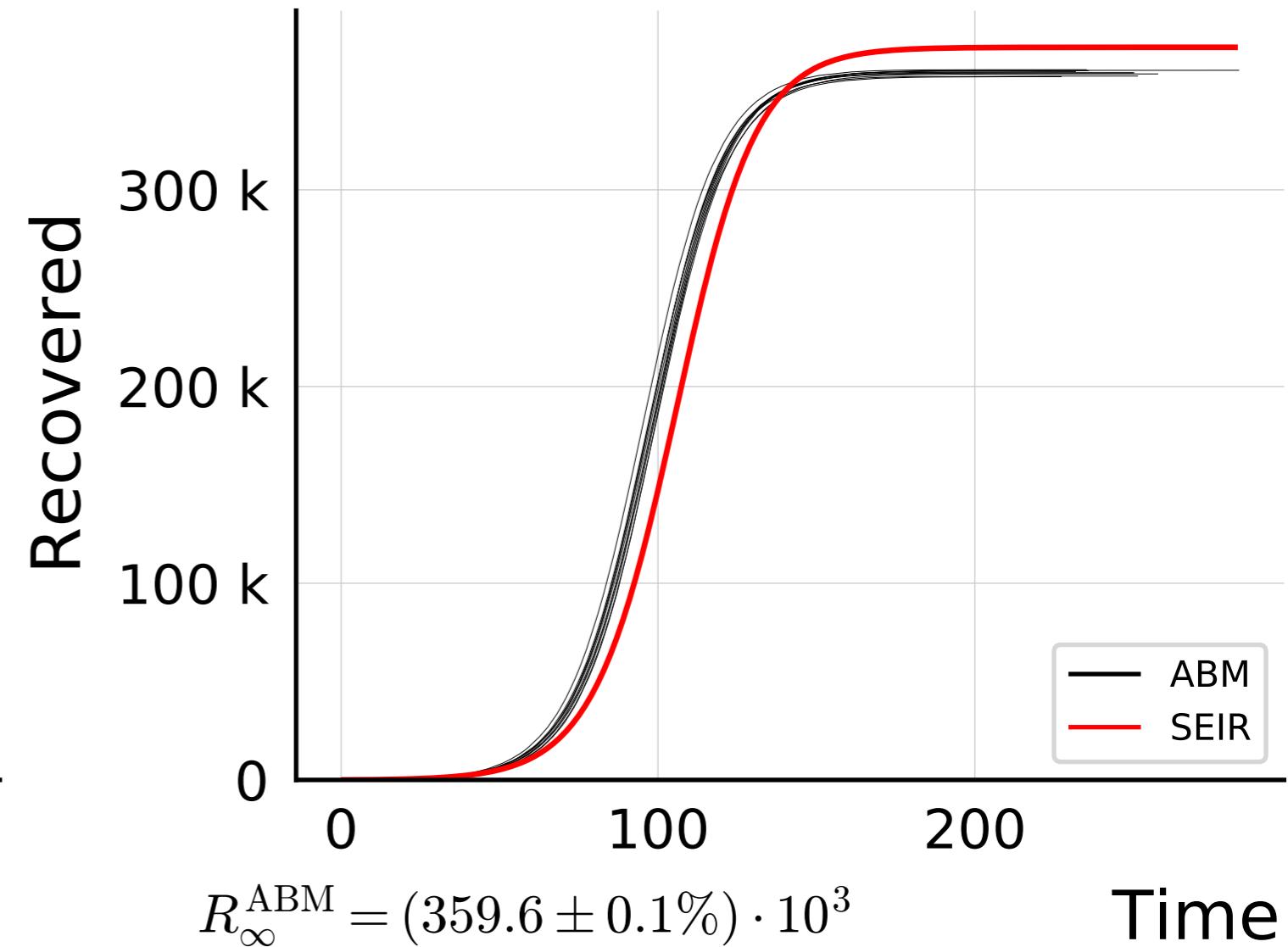
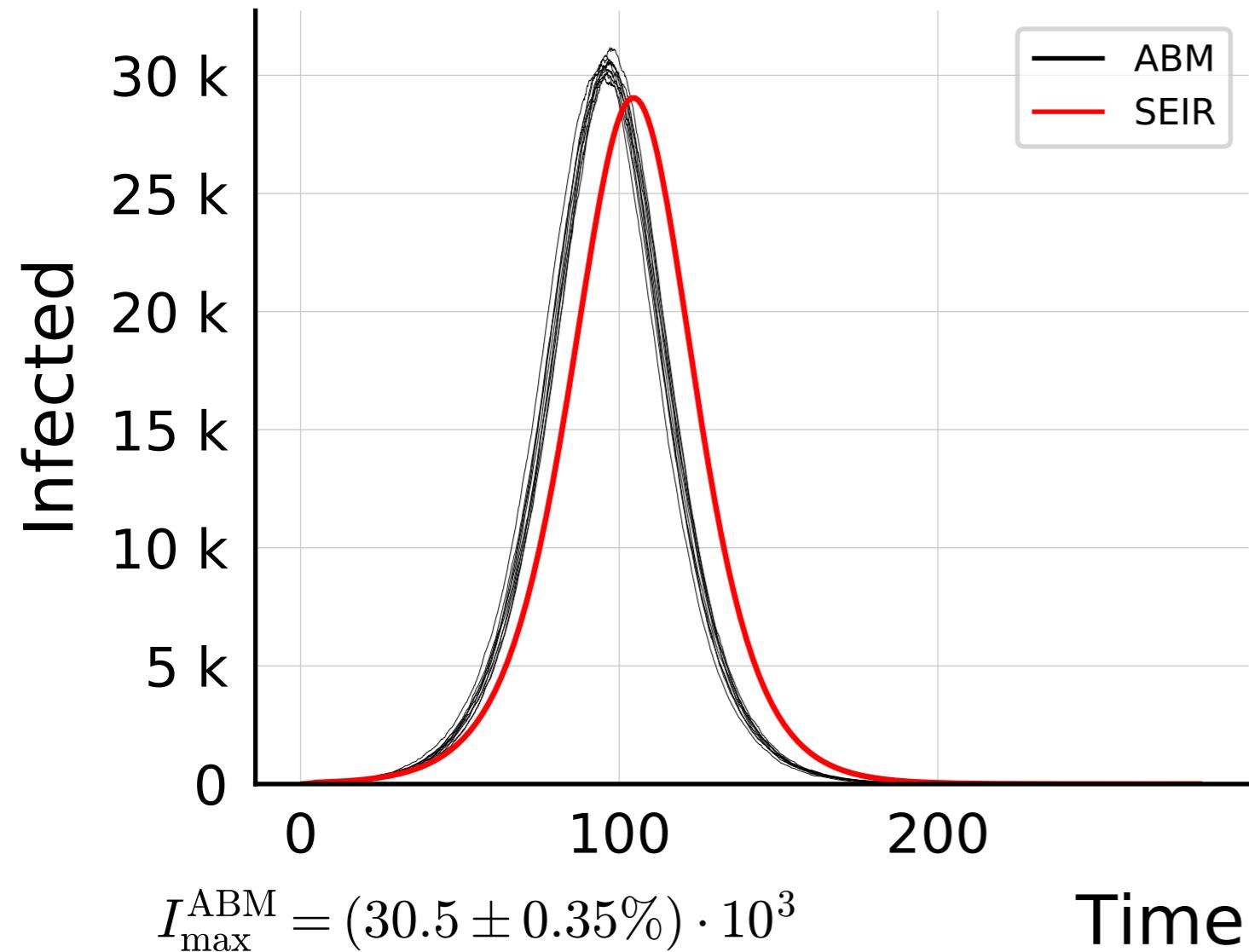
$N_{\text{tot}} = 580K$ ,  $N_{\text{init}} = 100$ ,  $\rho = 0.015$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , algo = 2, #10



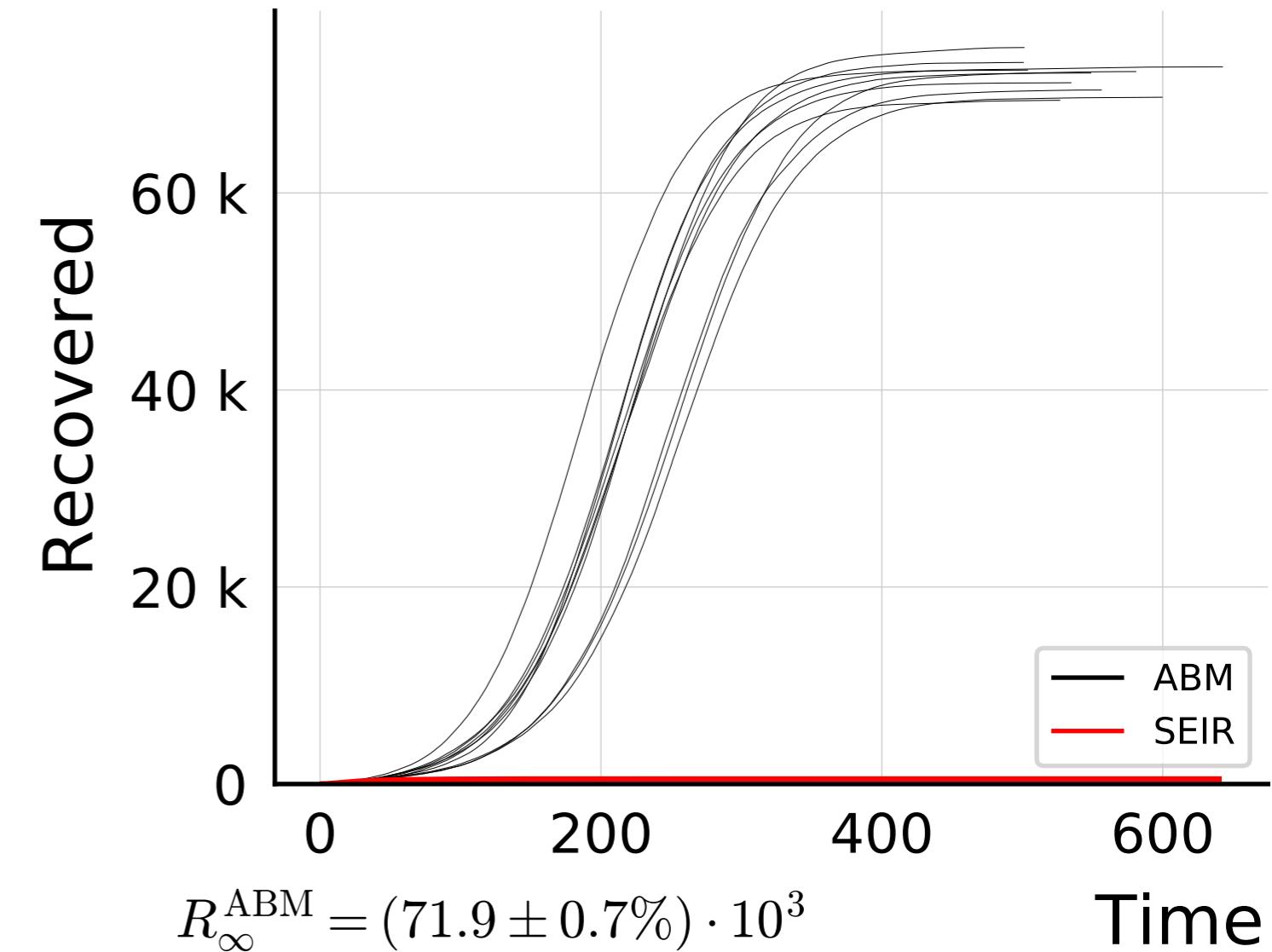
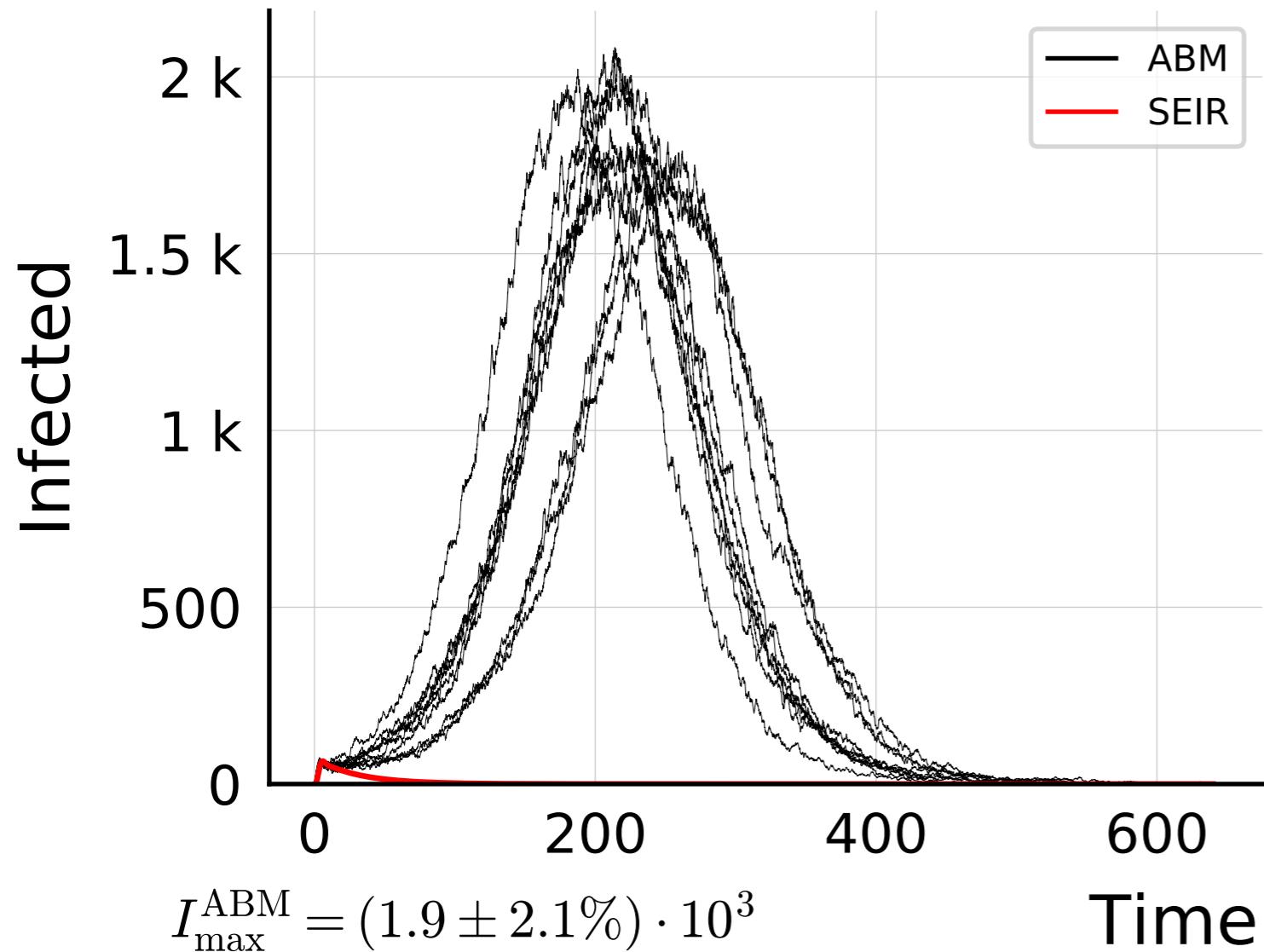
$N_{\text{tot}} = 580K$ ,  $N_{\text{init}} = 100$ ,  $\rho = 0.01$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.005$ ,  $\sigma_\beta = 0.0$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , algo = 2, #10



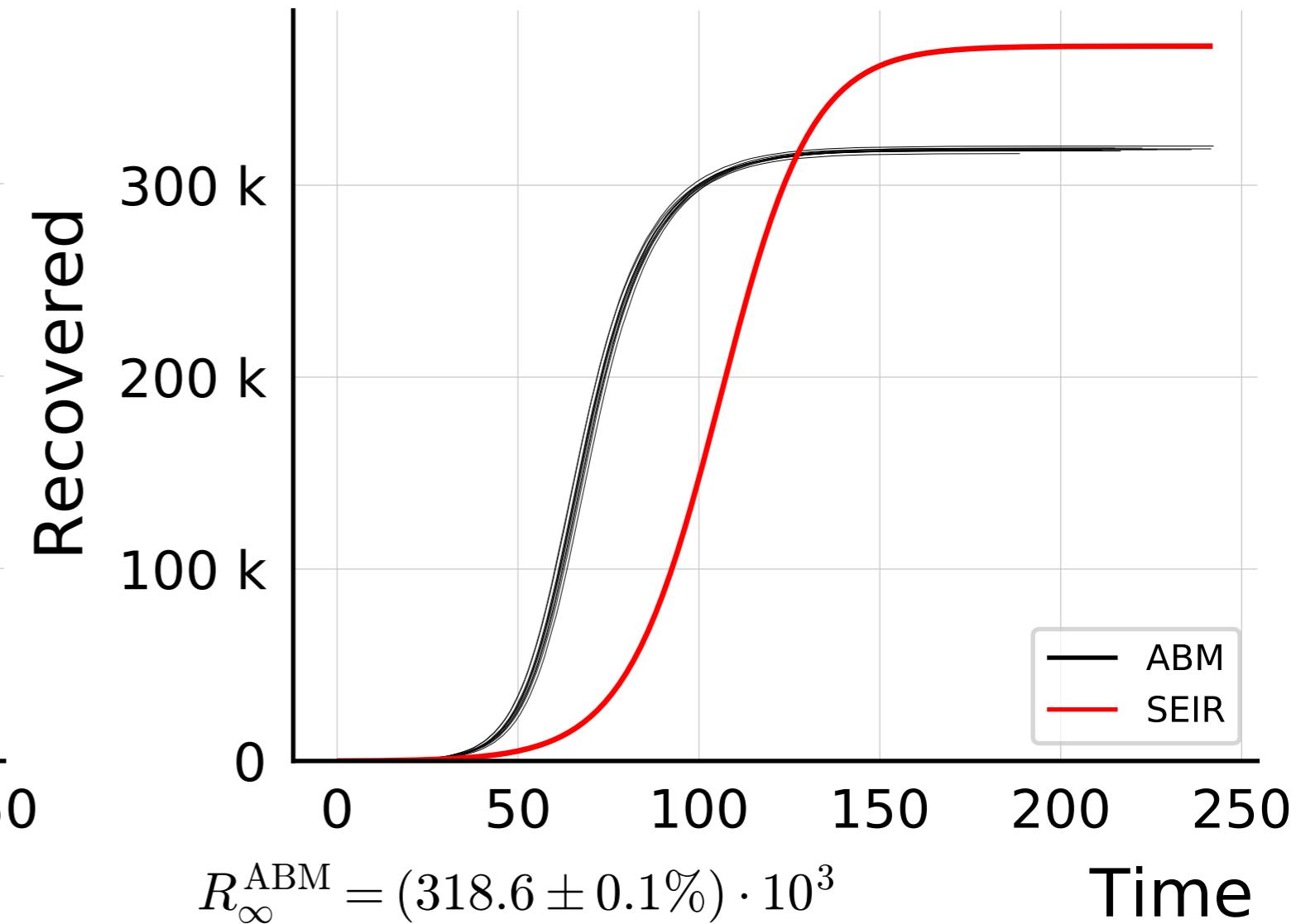
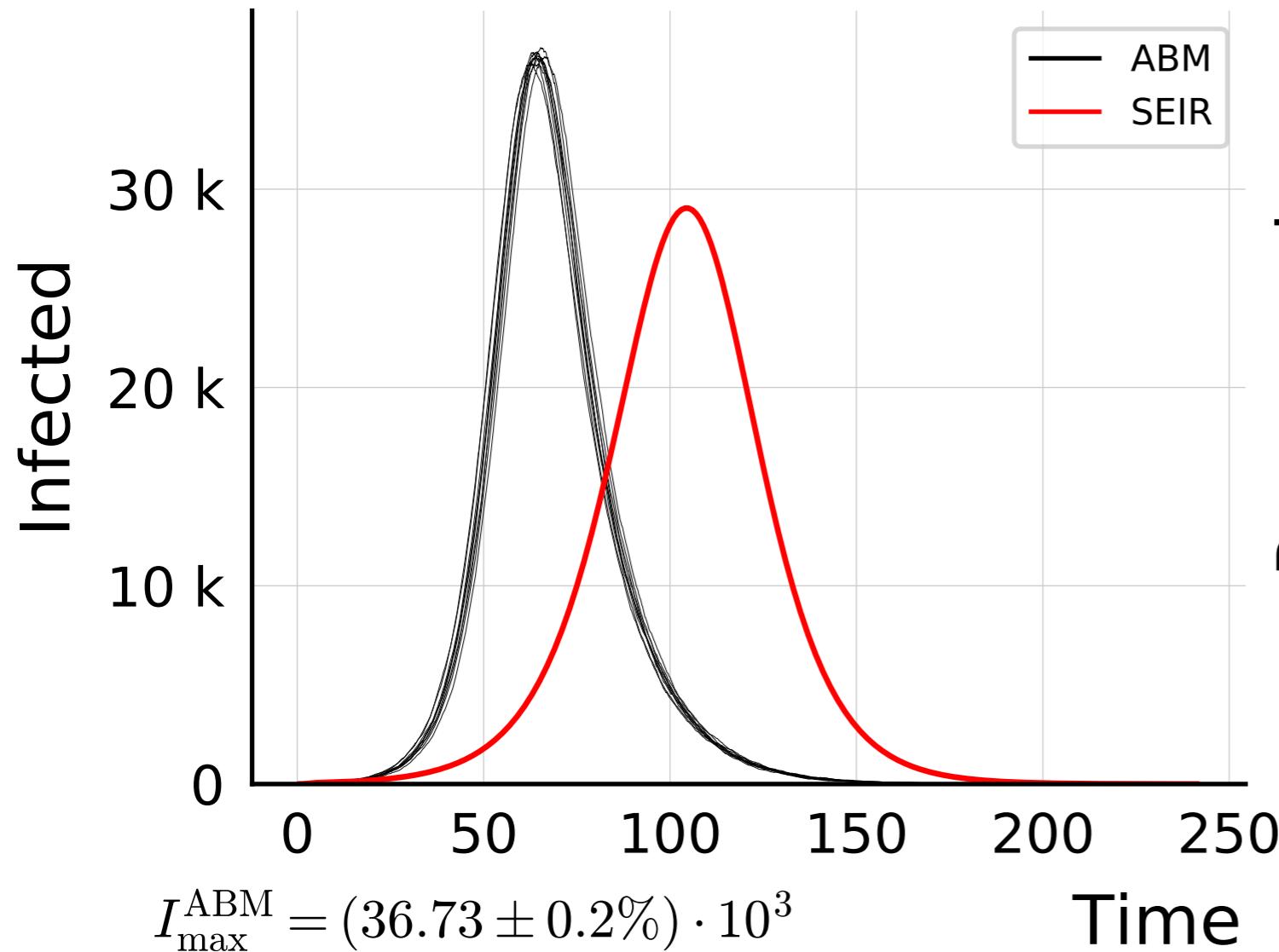
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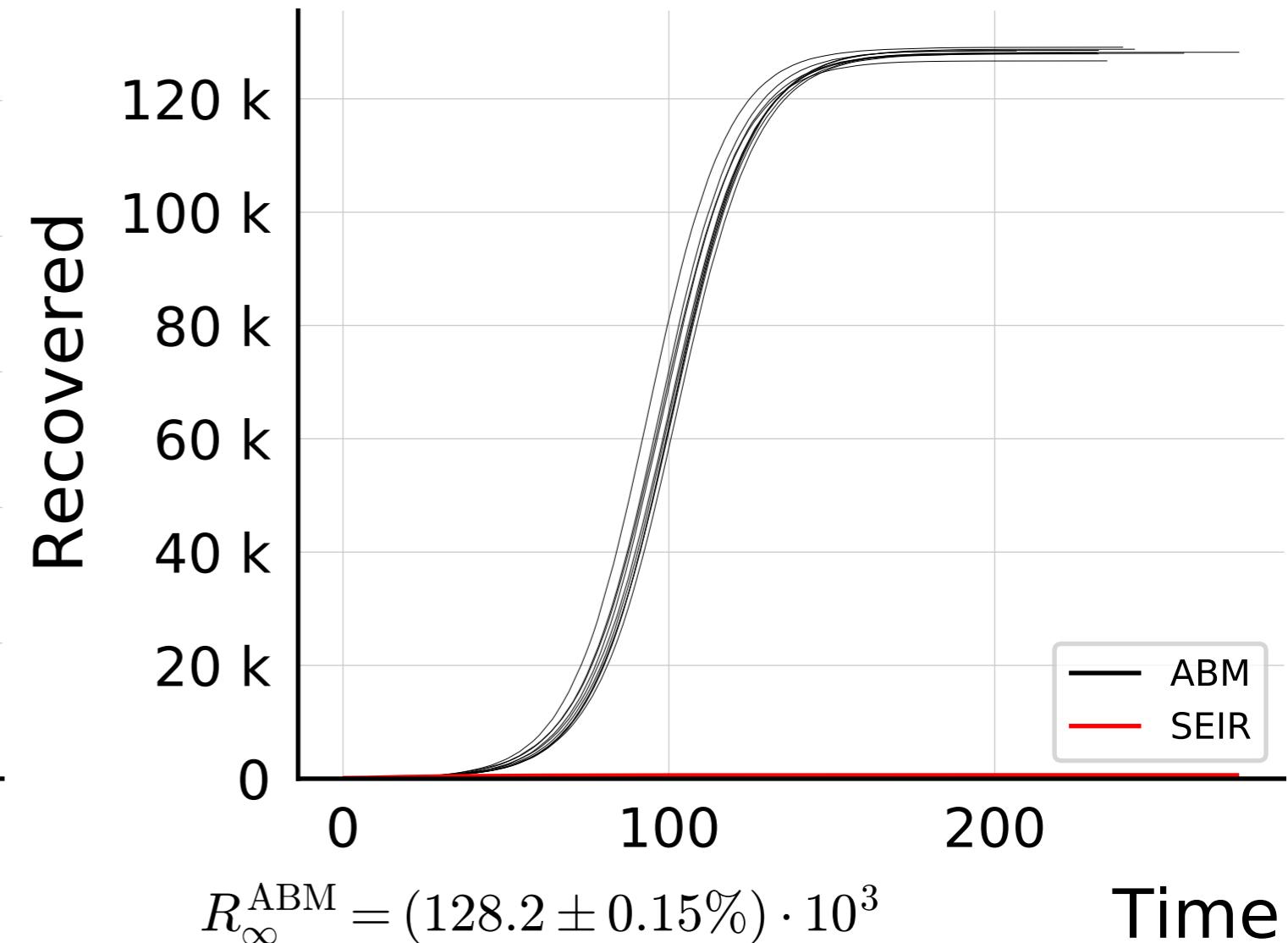
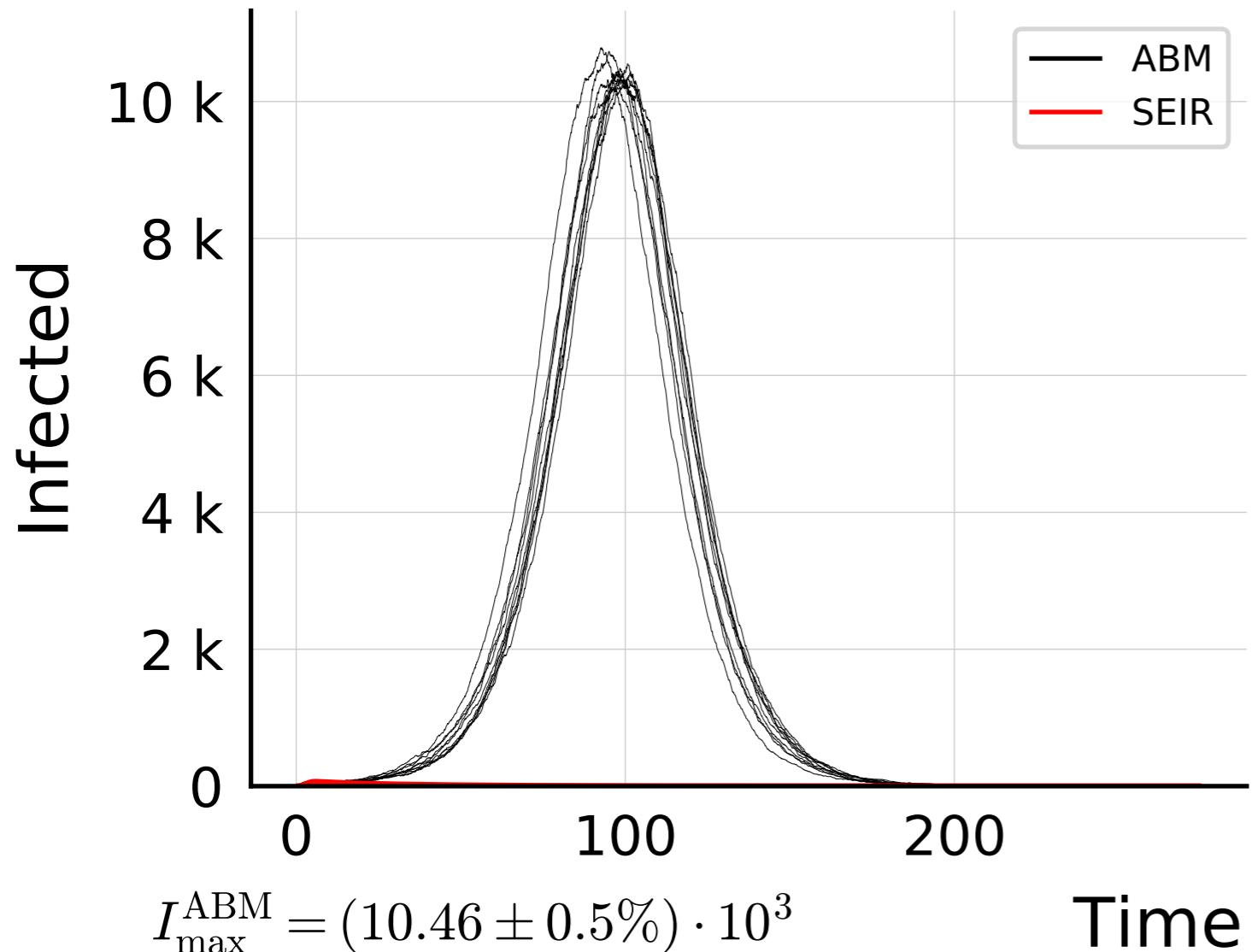
$N_{\text{tot}} = 580K$ ,  $N_{\text{init}} = 100$ ,  $\rho = 0.025$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.005$ ,  $\sigma_\beta = 0.0$   
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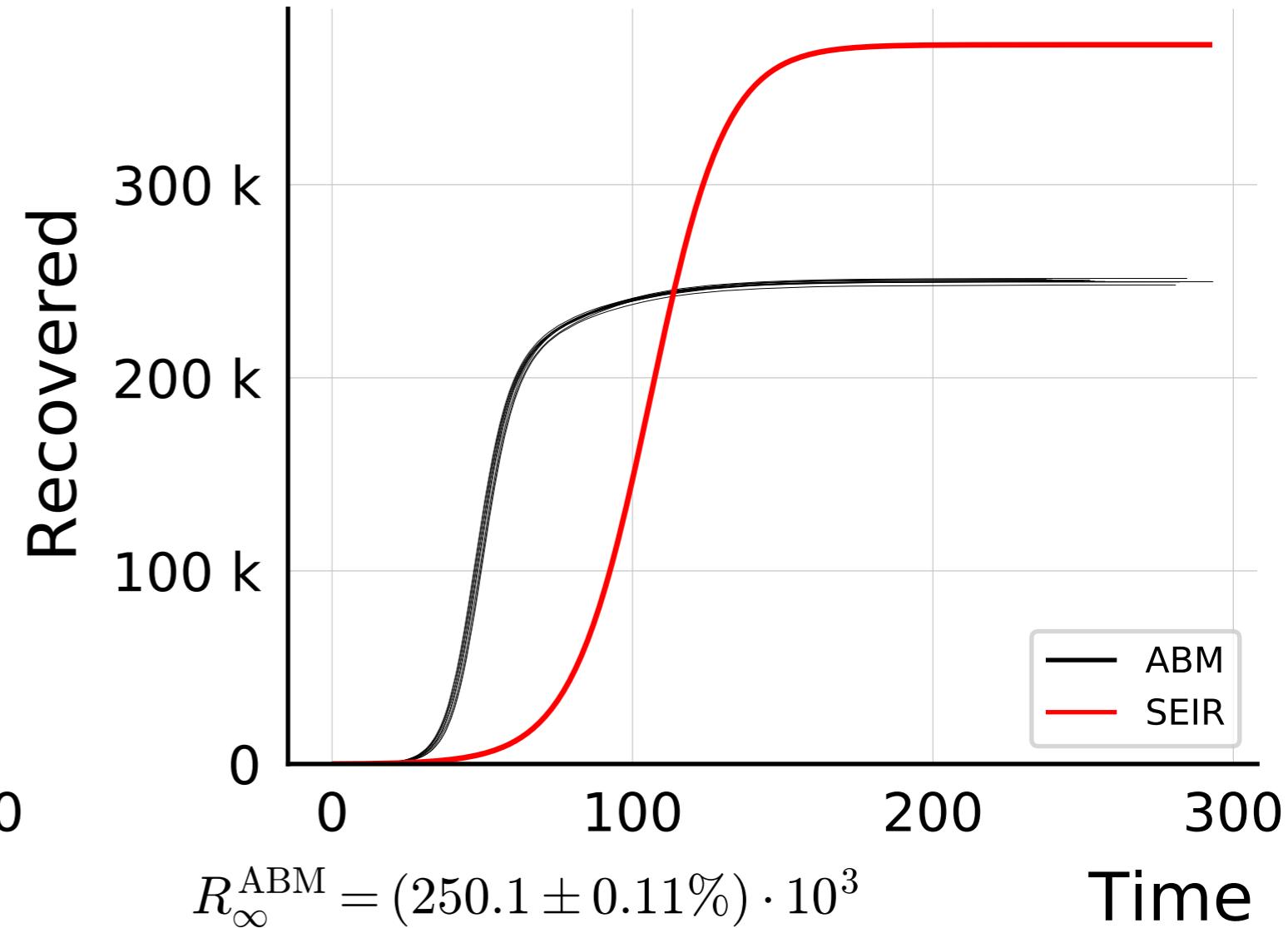
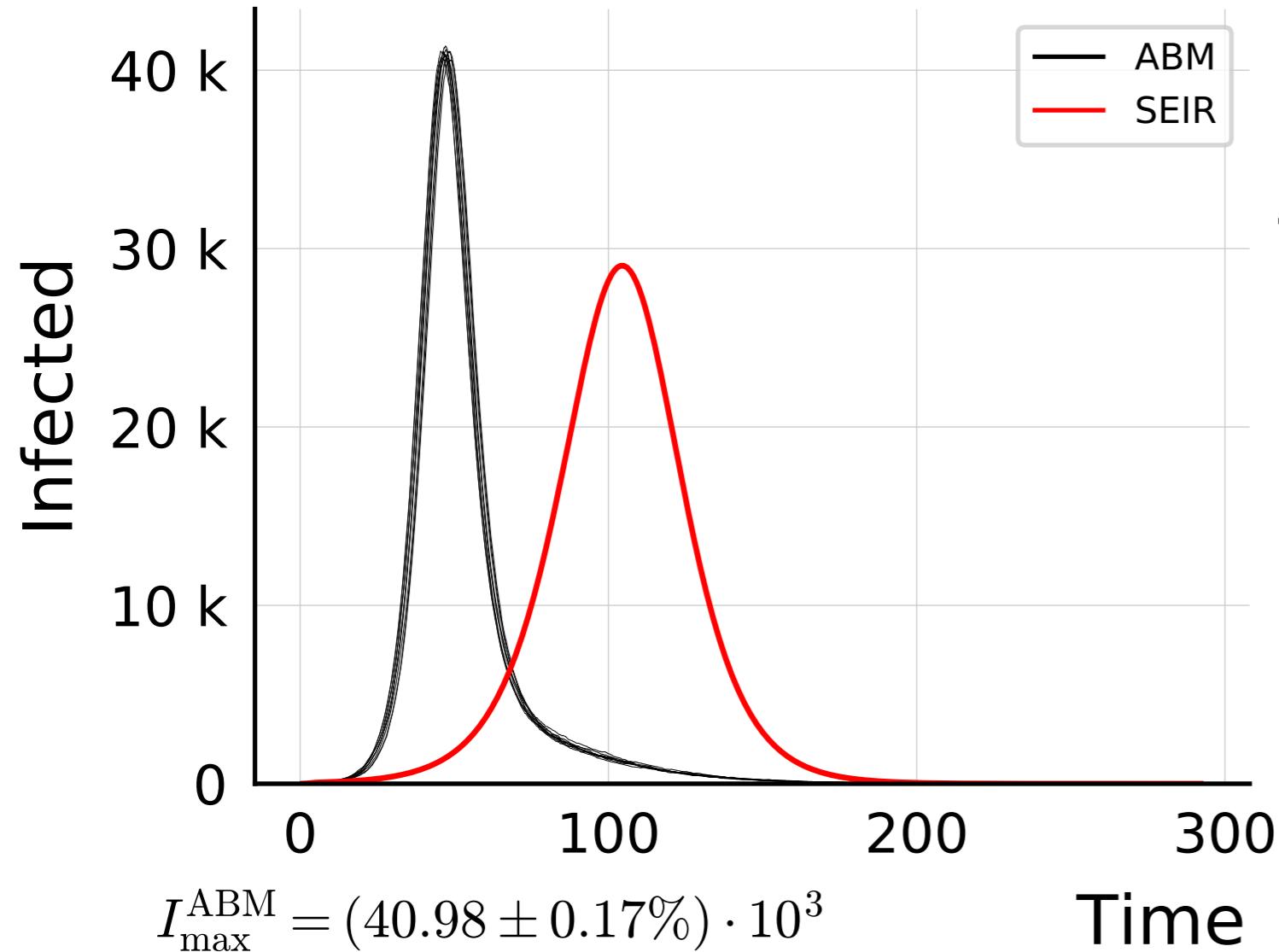
$N_{\text{tot}} = 580K$ ,  $N_{\text{init}} = 100$ ,  $\rho = 0.025$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , algo = 2, #10



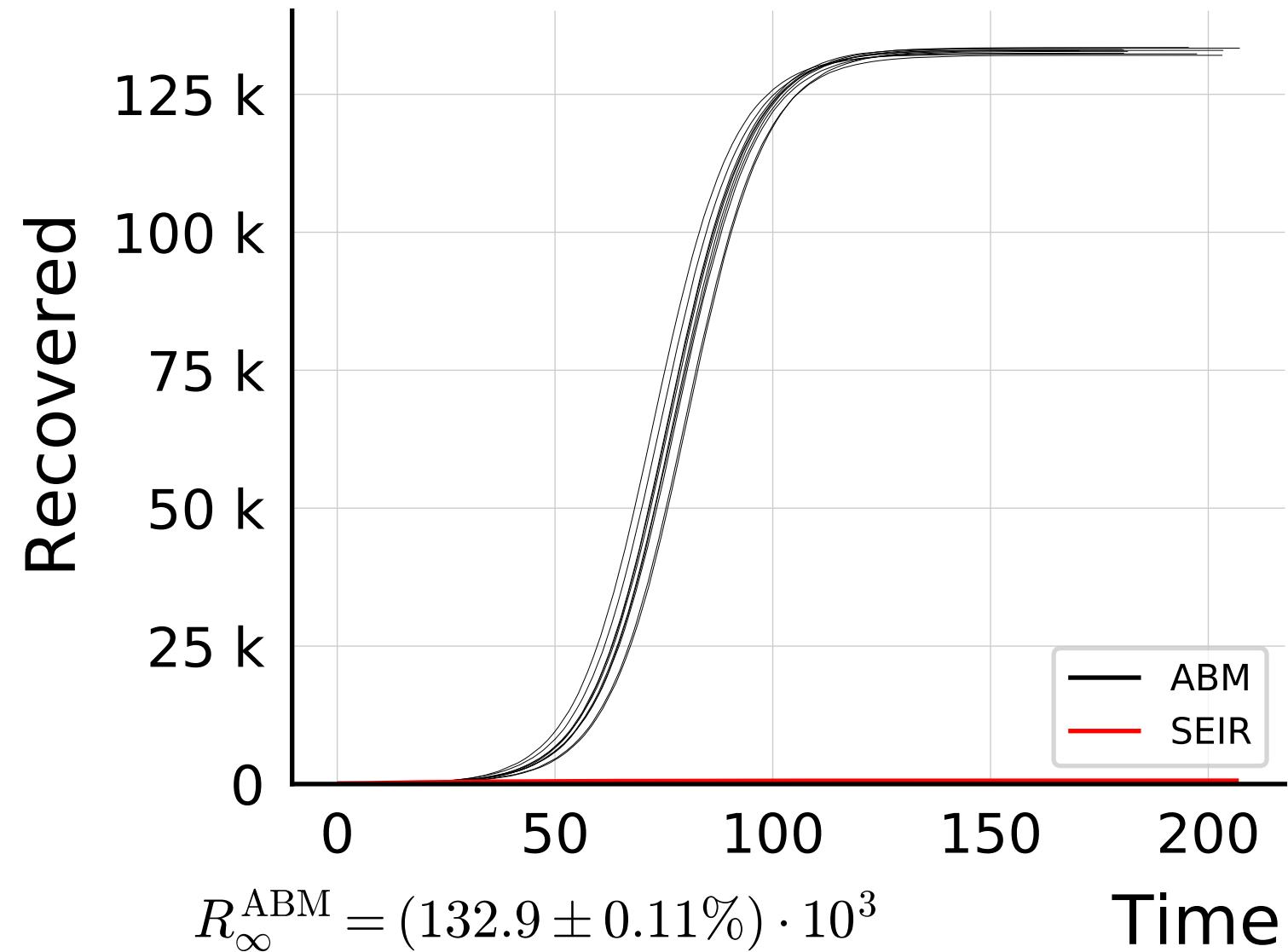
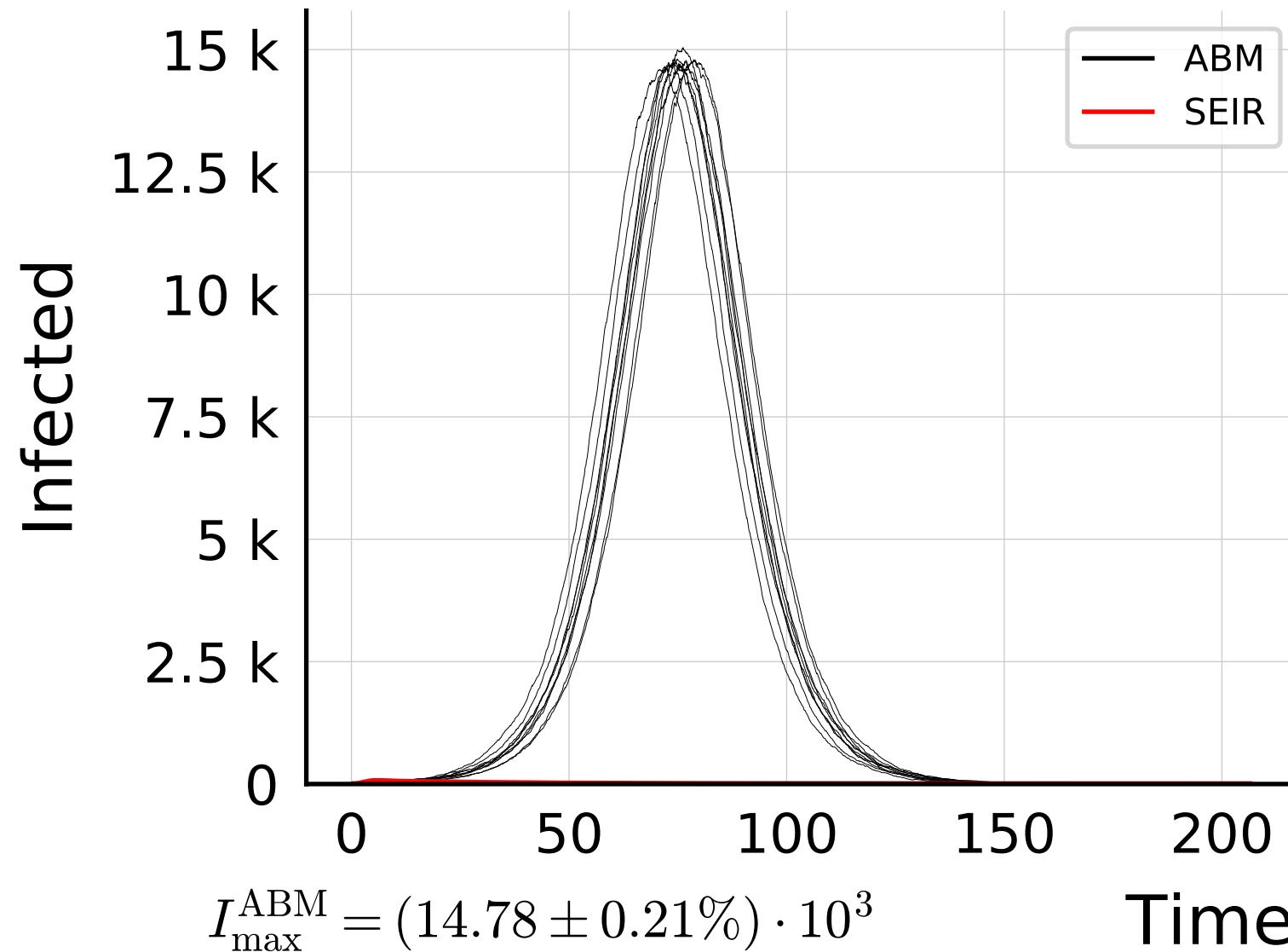
$N_{\text{tot}} = 580K$ ,  $N_{\text{init}} = 100$ ,  $\rho = 0.05$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.005$ ,  $\sigma_\beta = 0.0$   
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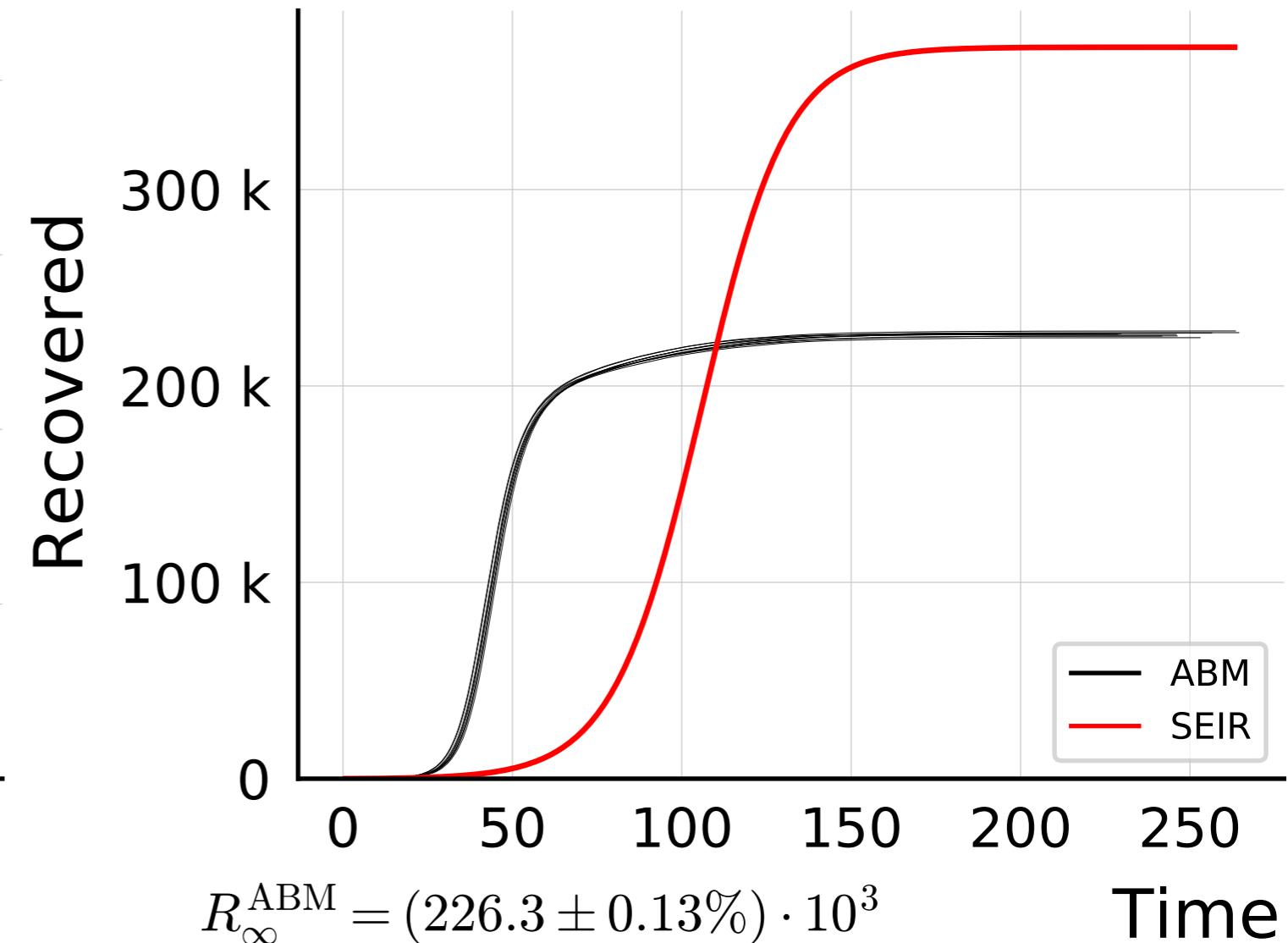
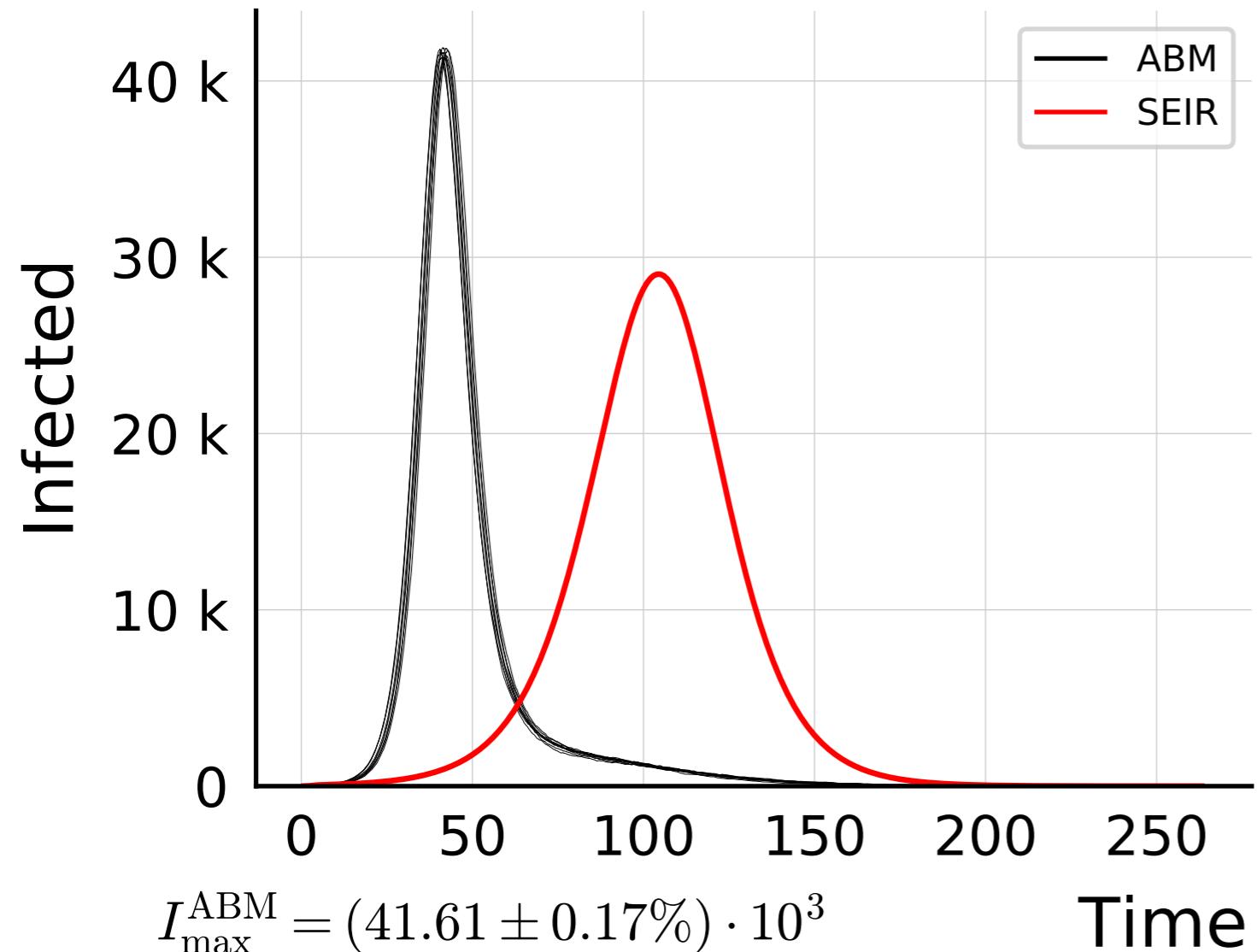
$N_{\text{tot}} = 580K$ ,  $N_{\text{init}} = 100$ ,  $\rho = 0.05$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$   
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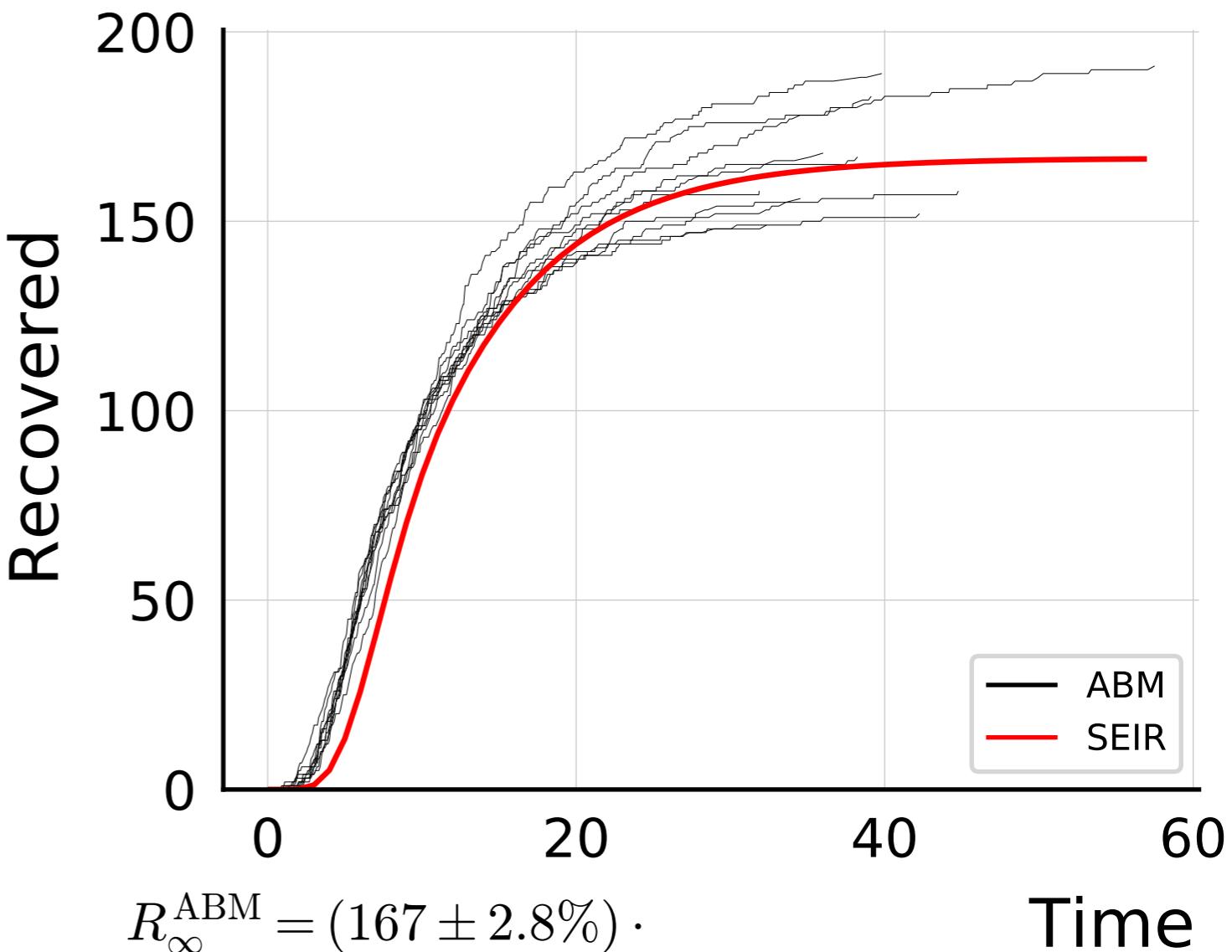
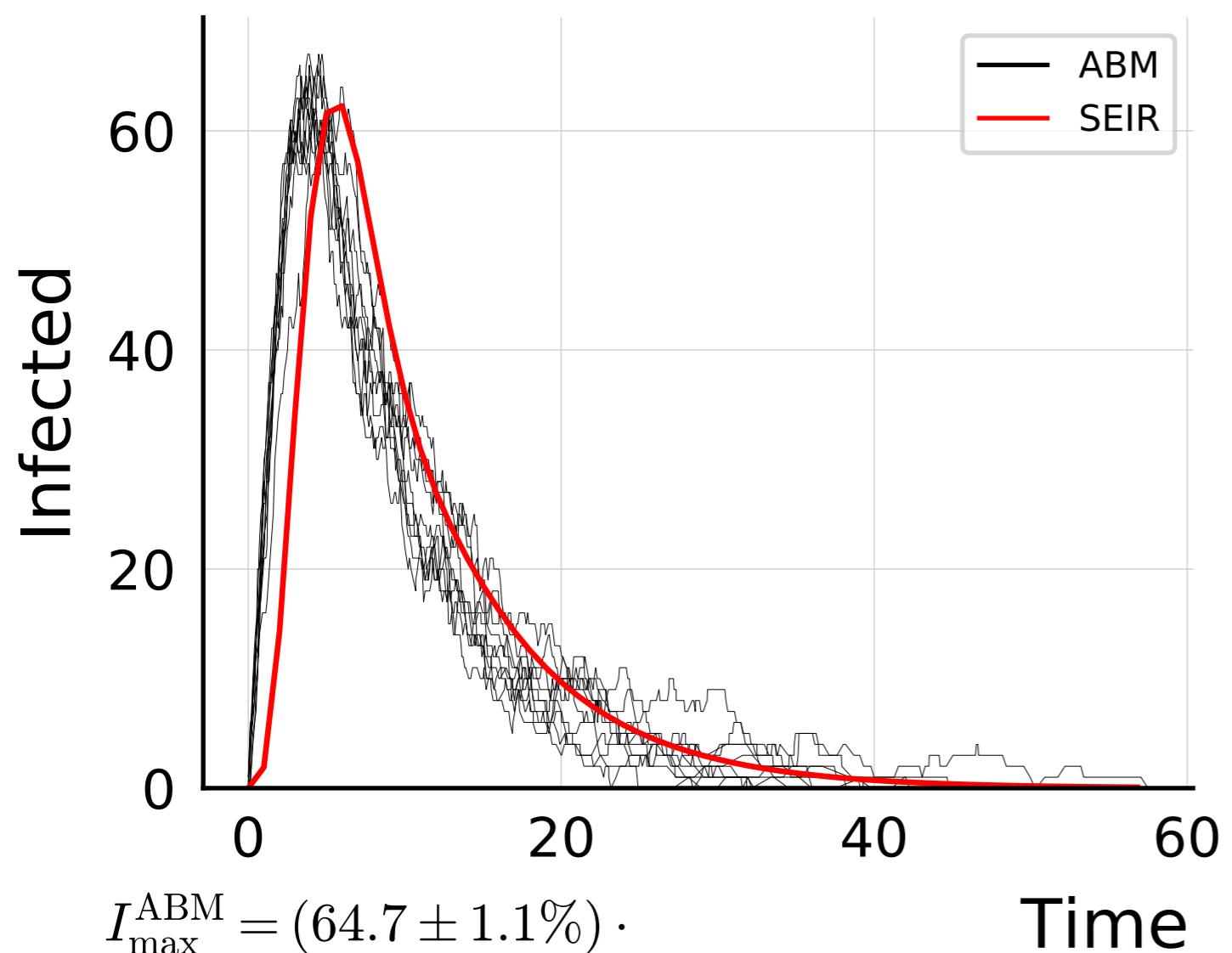
$N_{\text{tot}} = 580K$ ,  $N_{\text{init}} = 100$ ,  $\rho = 0.075$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.005$ ,  $\sigma_\beta = 0.0$   
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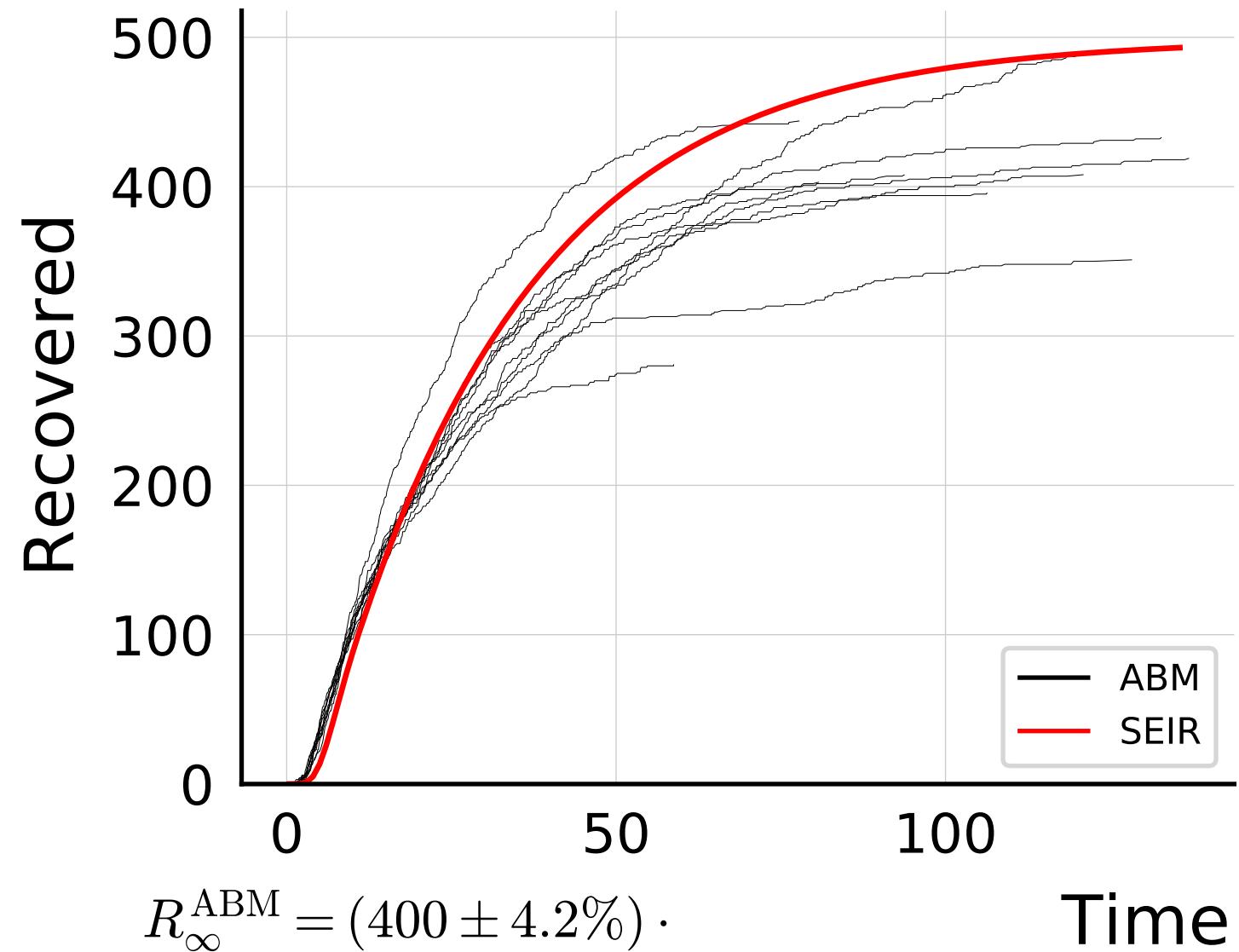
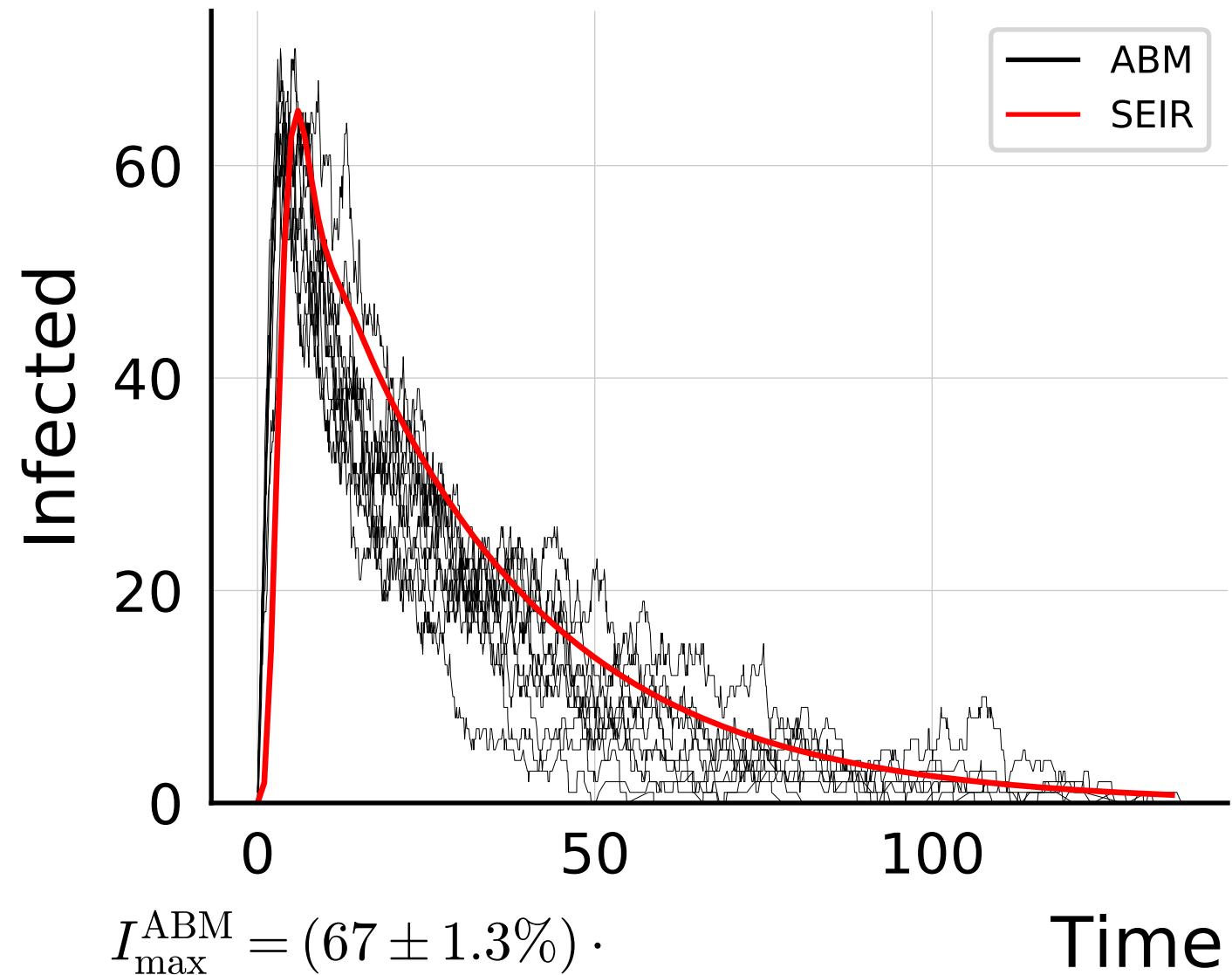
$N_{\text{tot}} = 580K$ ,  $N_{\text{init}} = 100$ ,  $\rho = 0.075$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$   
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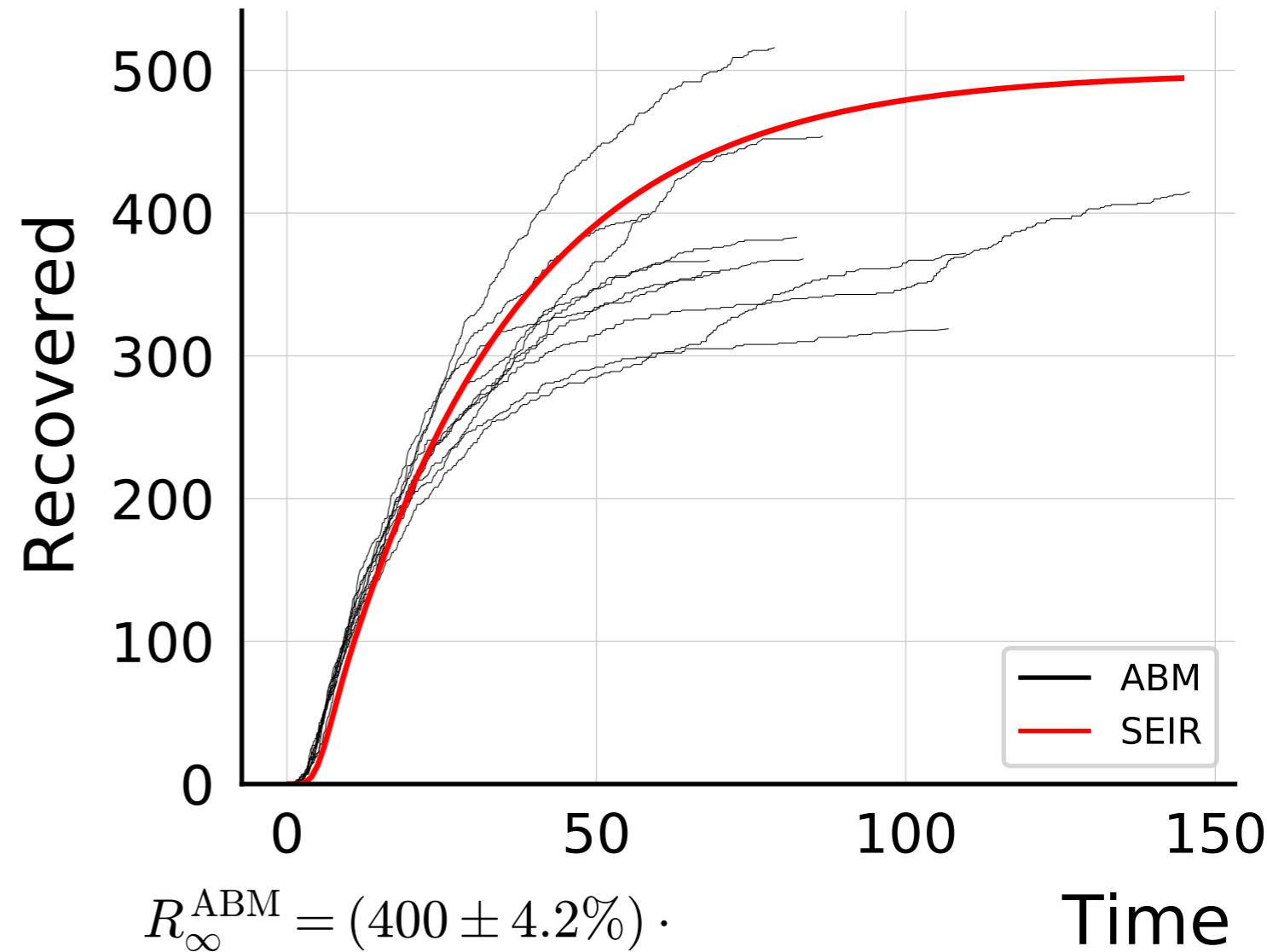
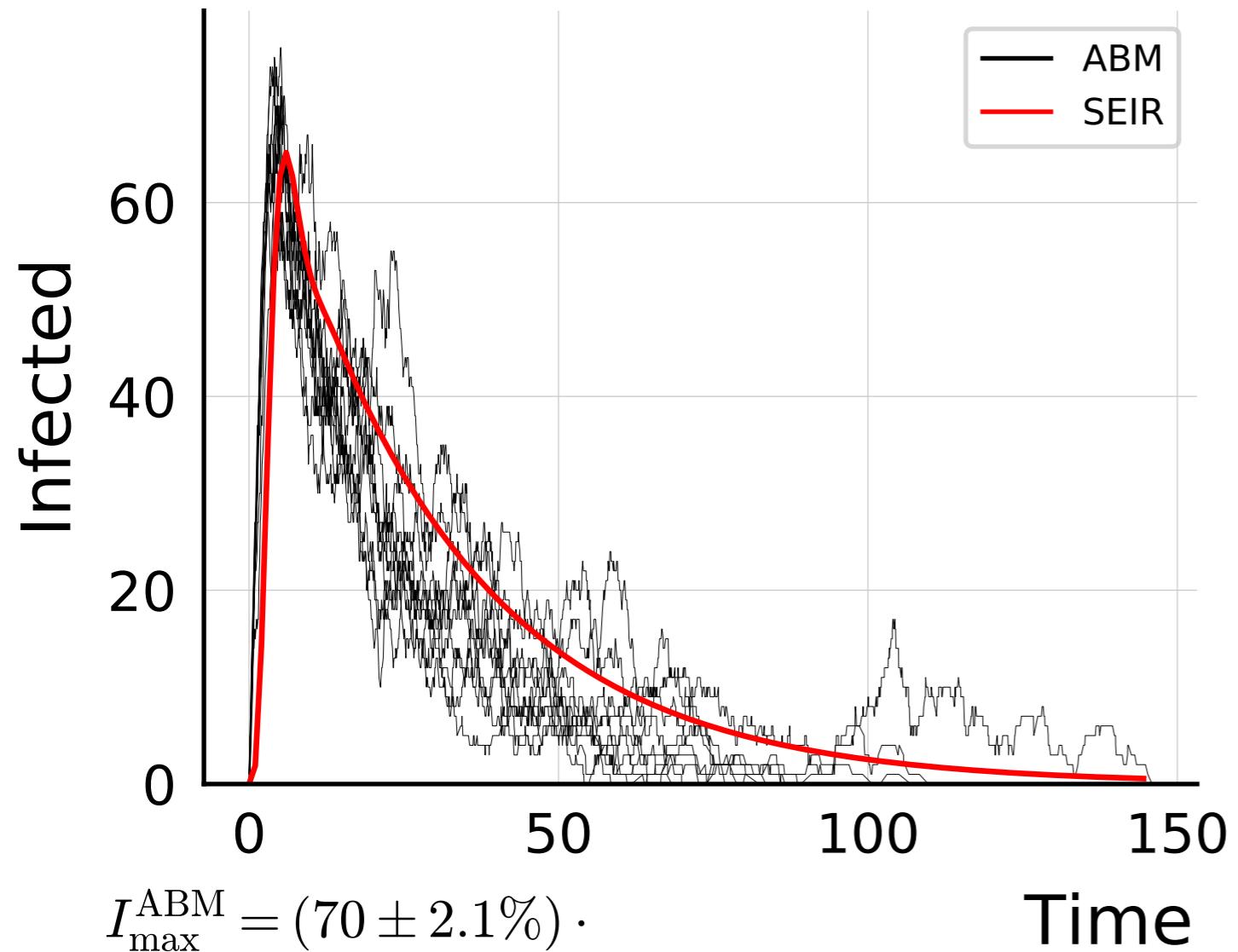
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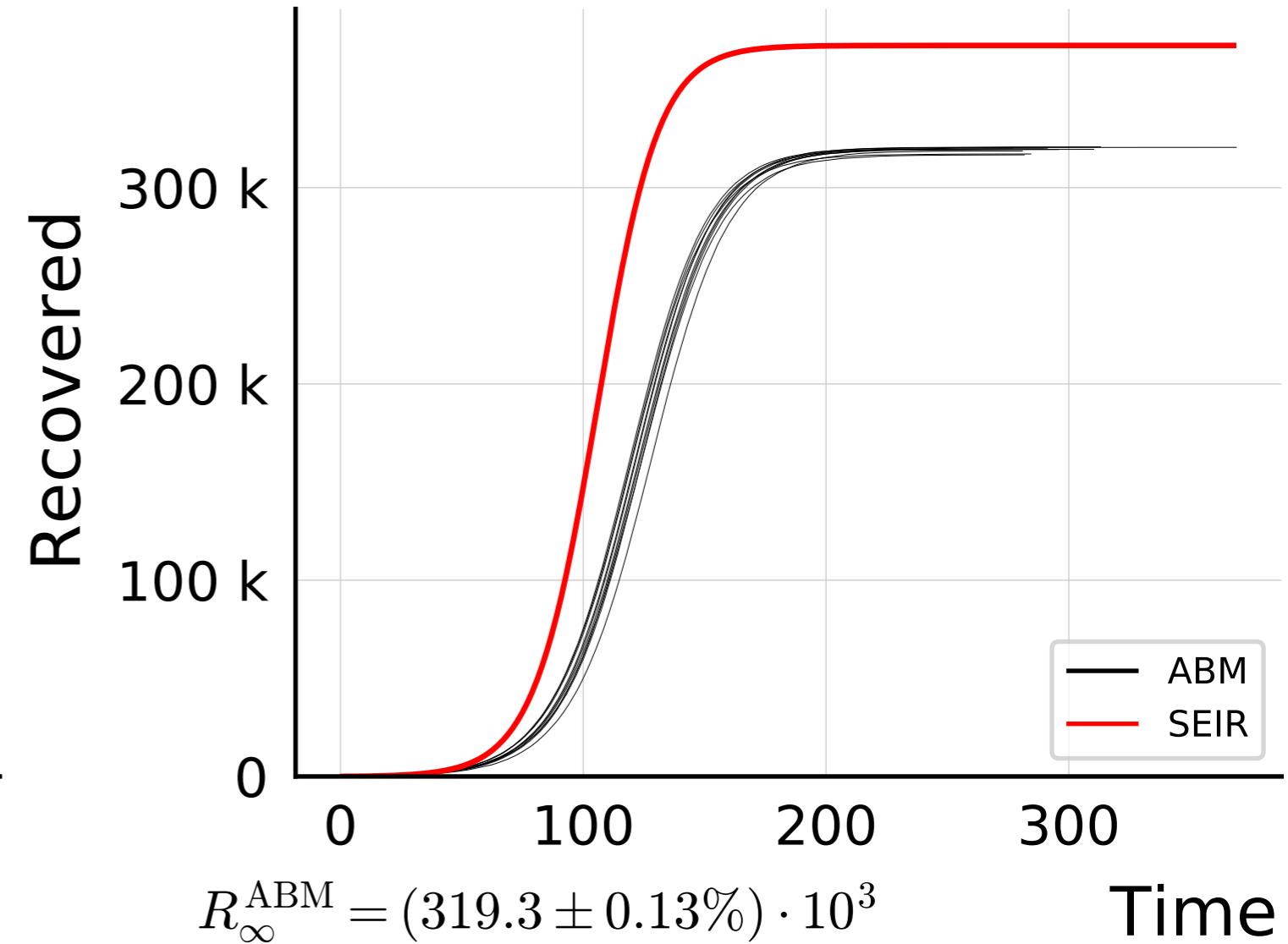
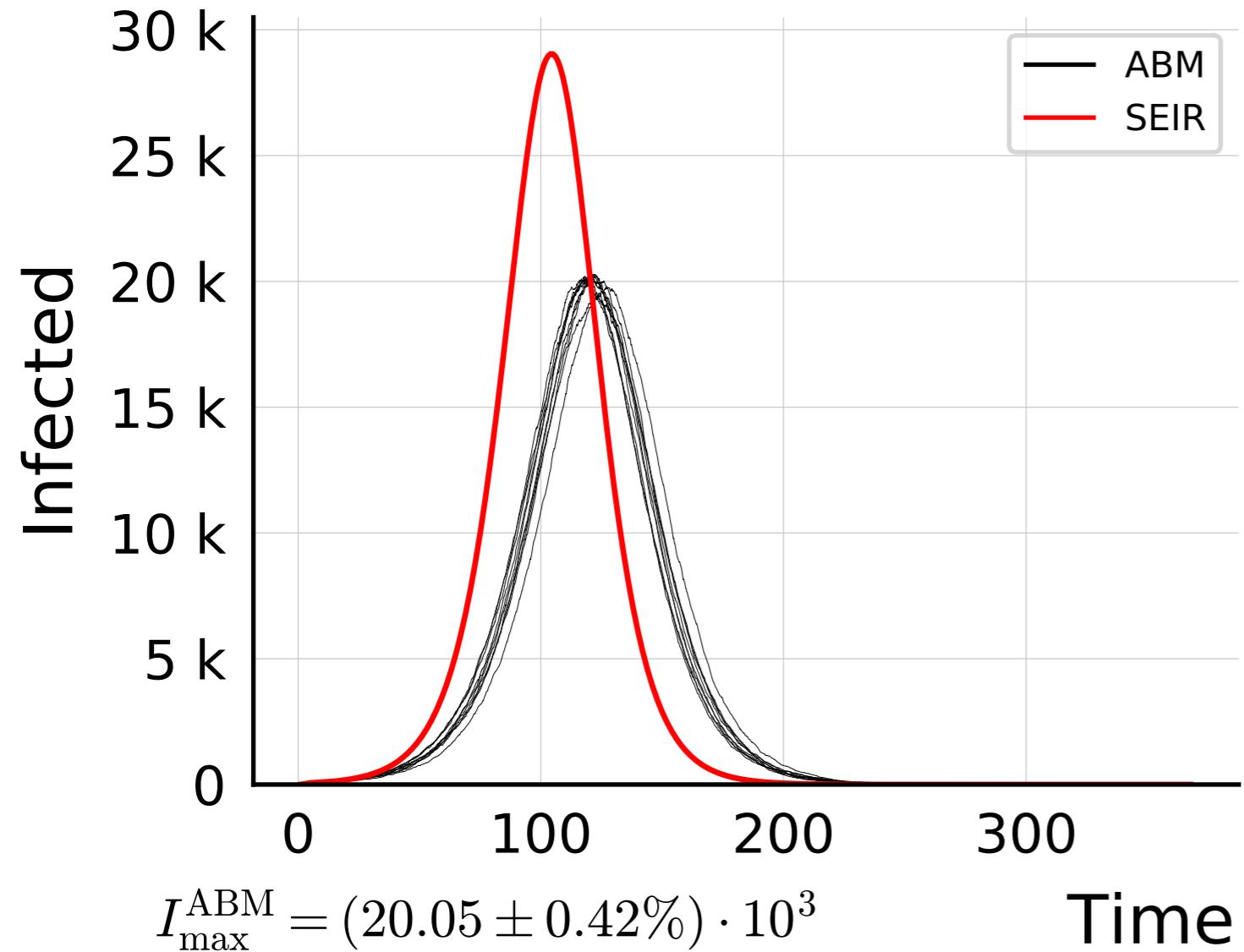
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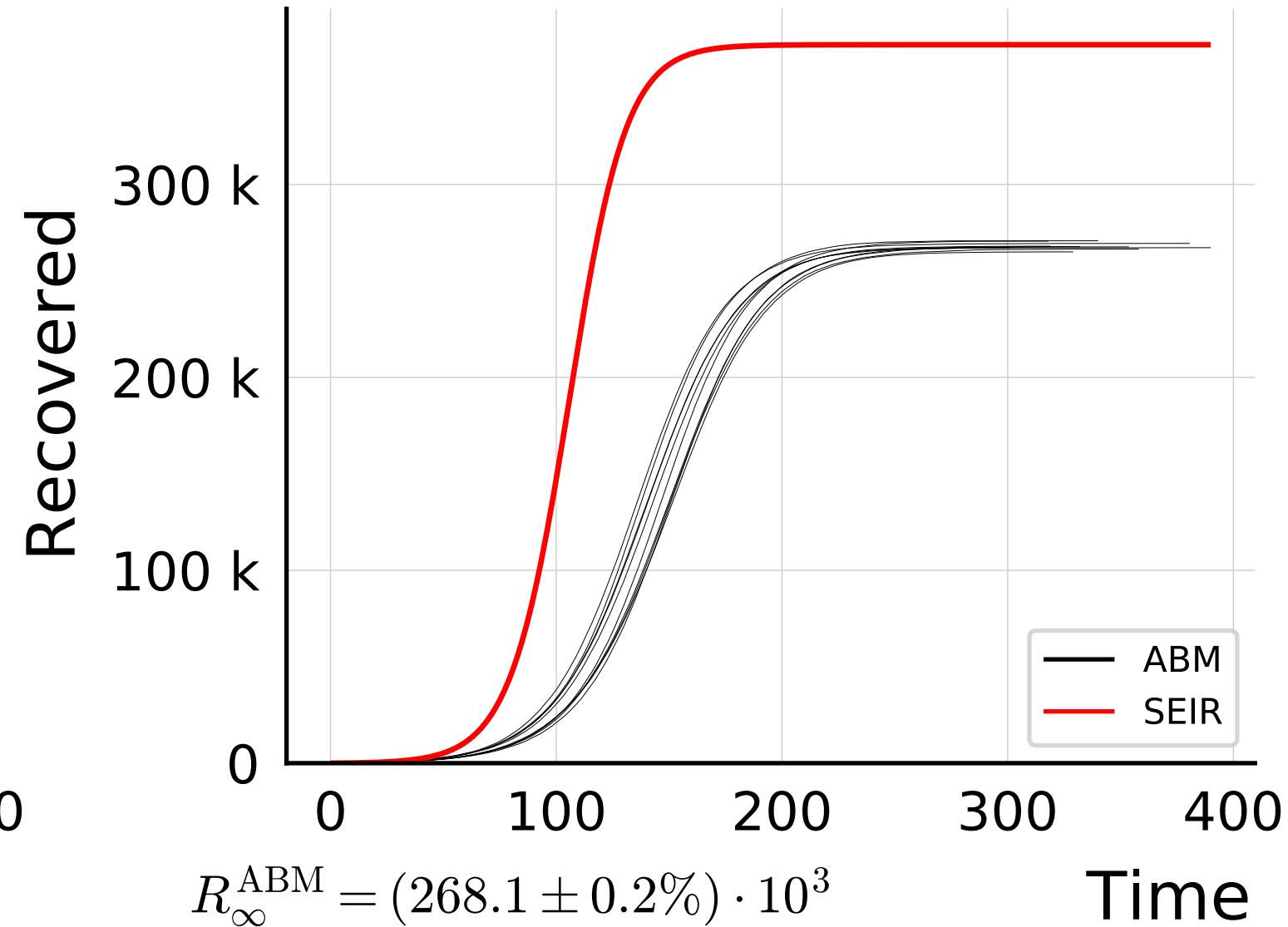
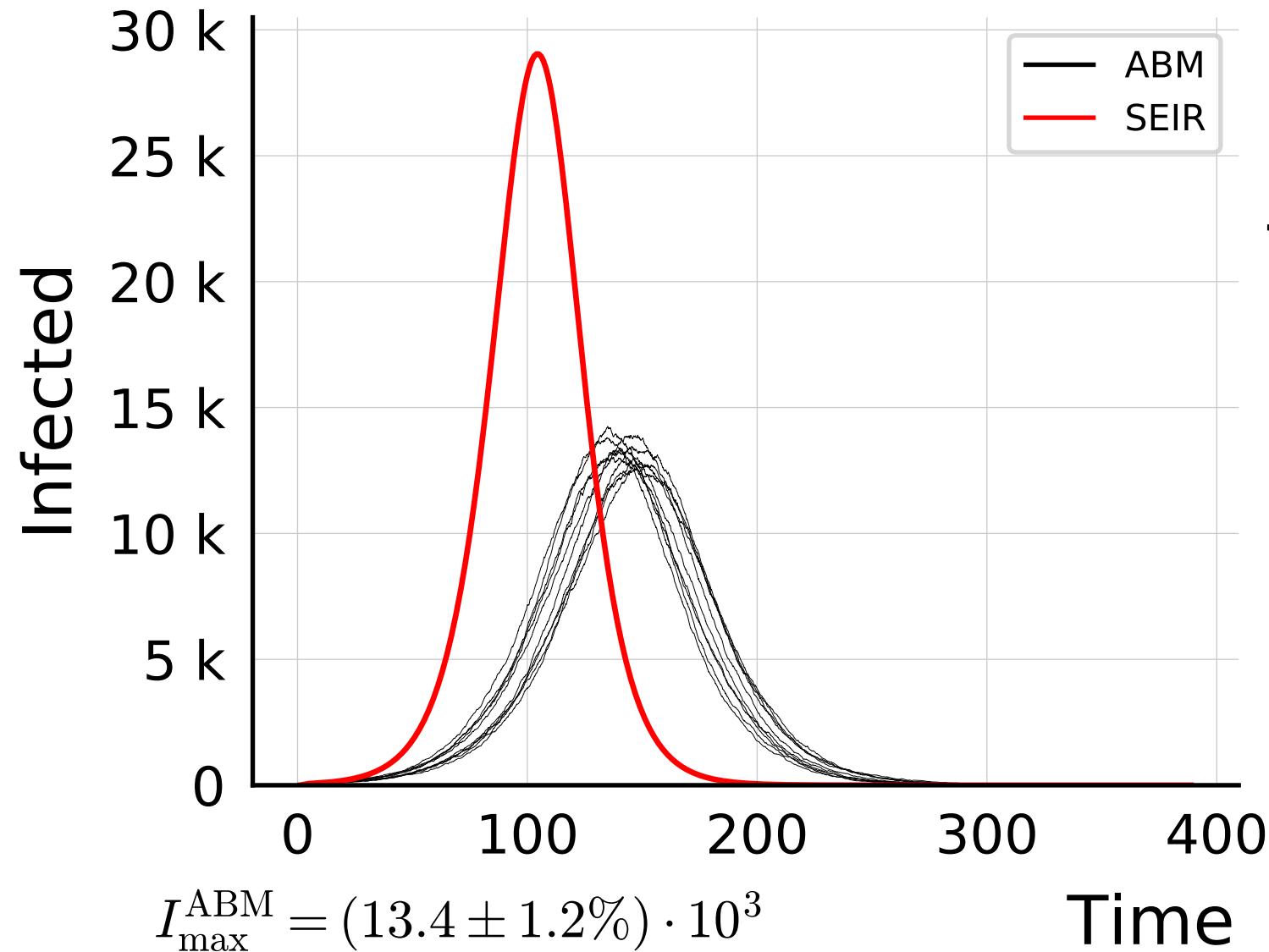
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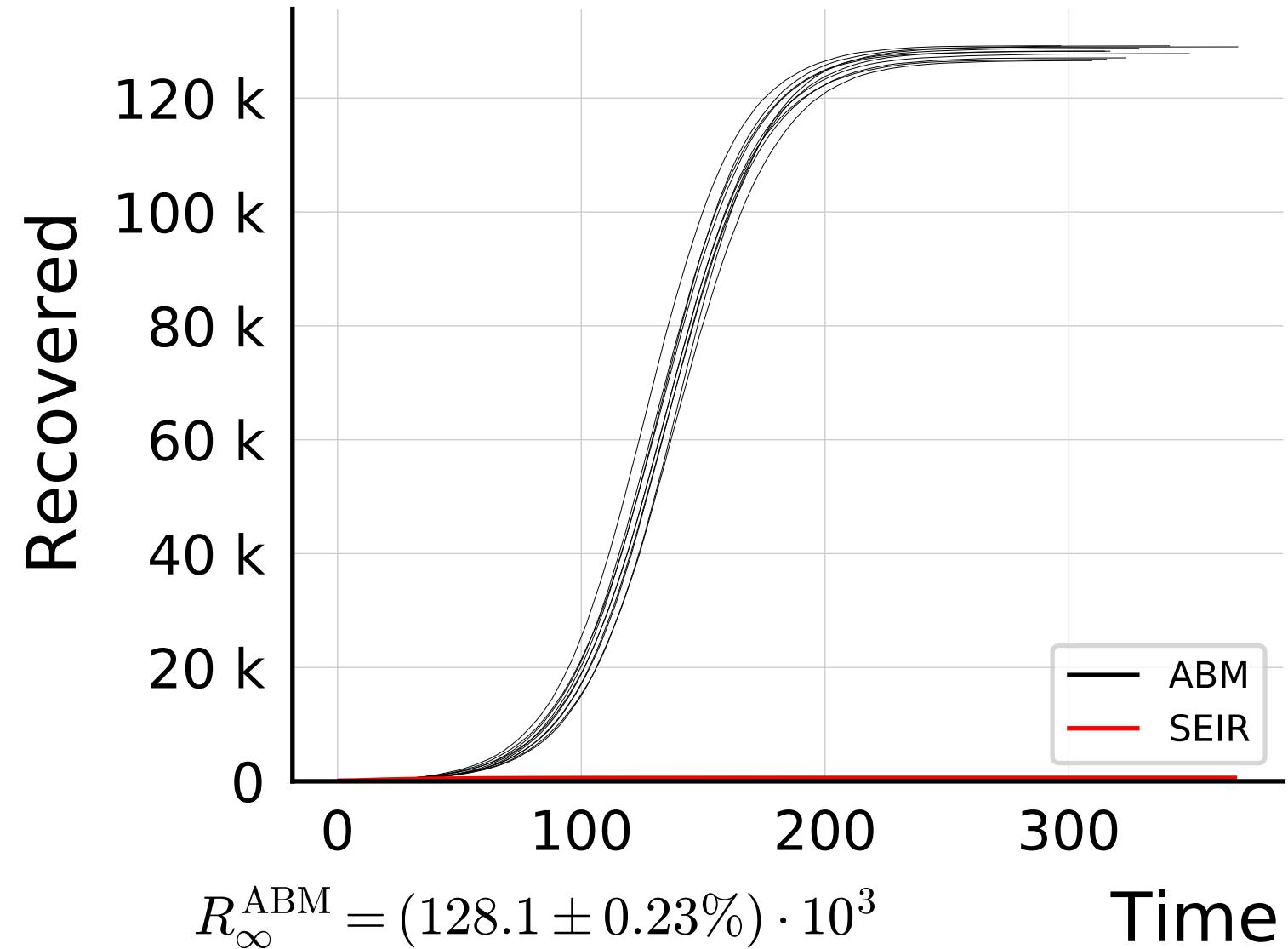
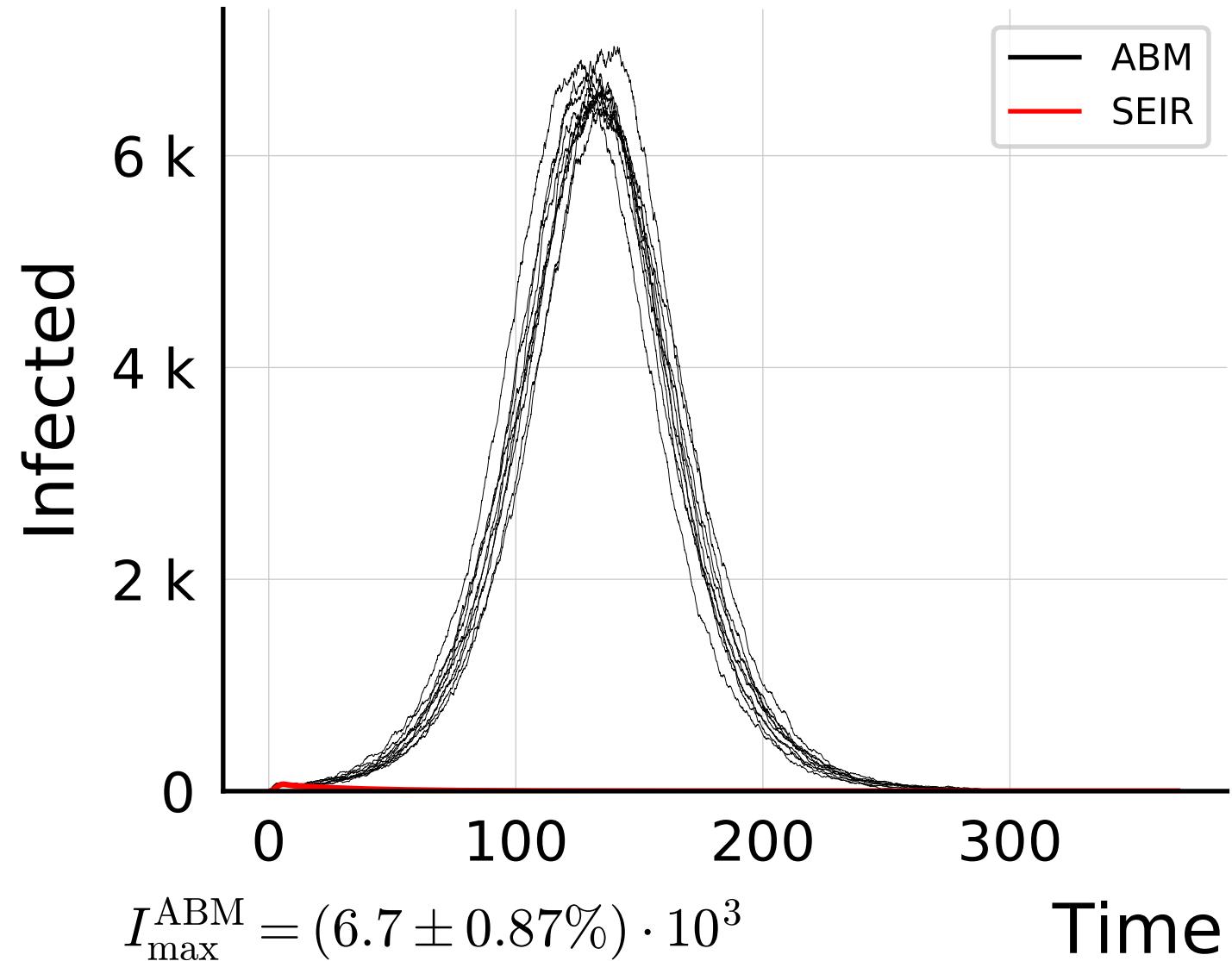
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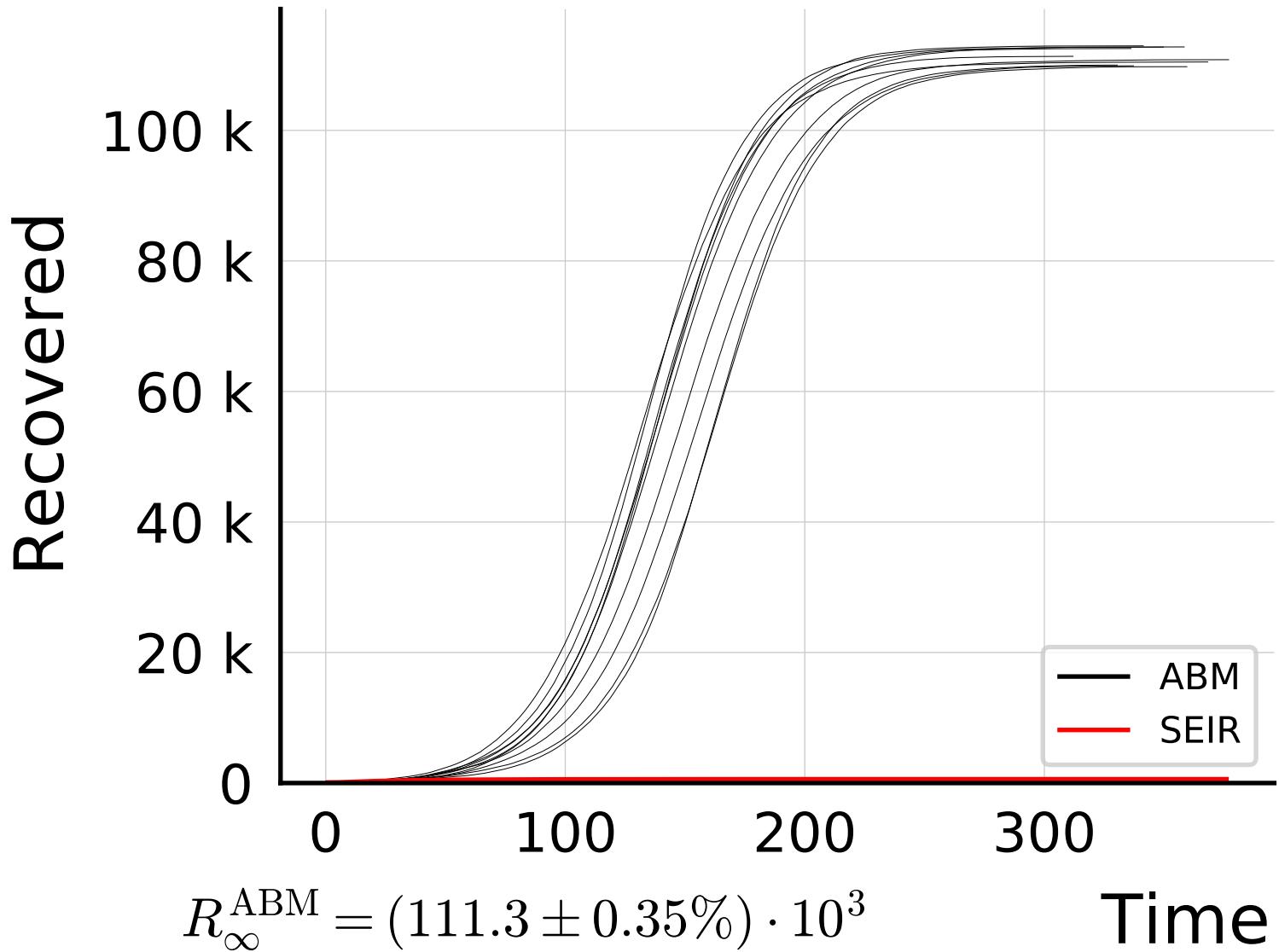
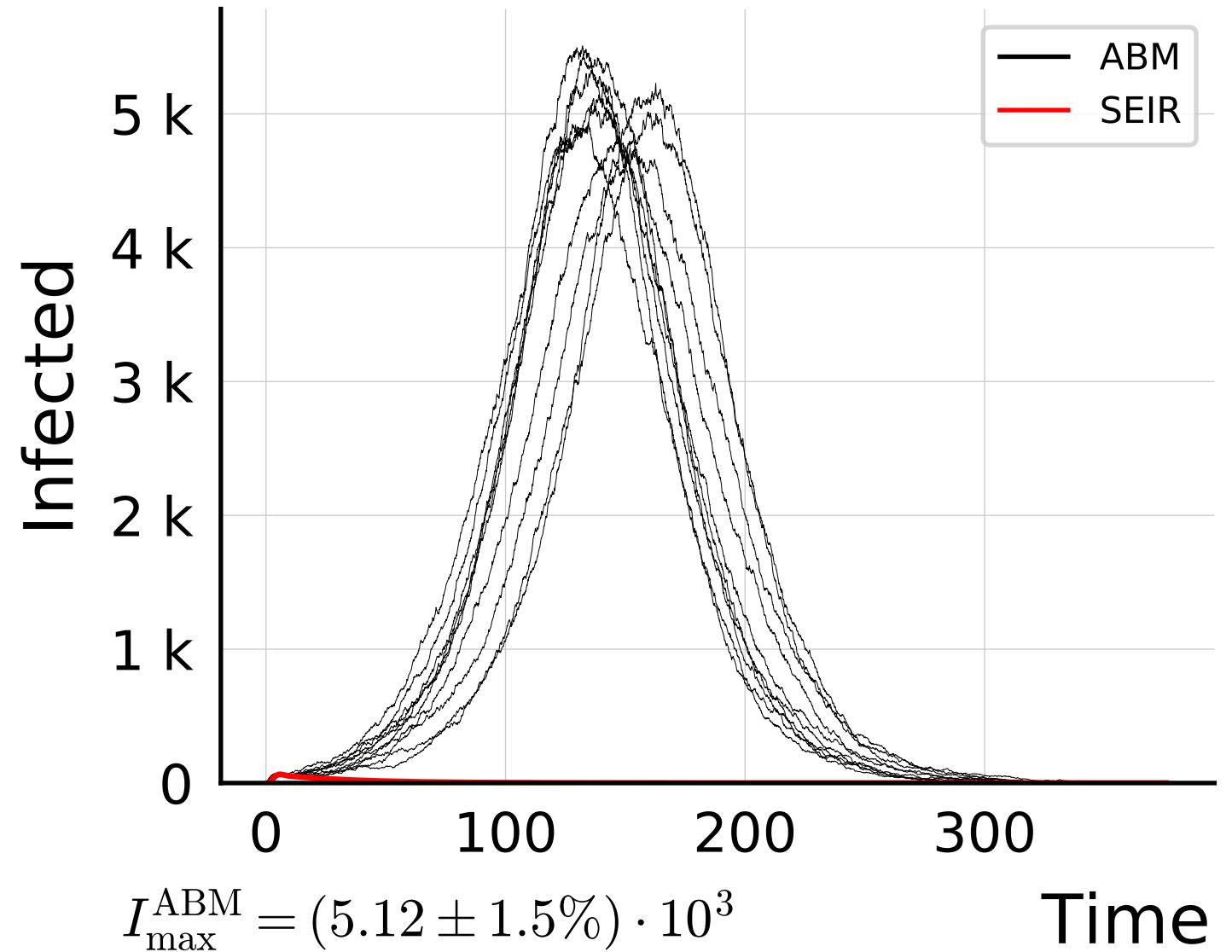
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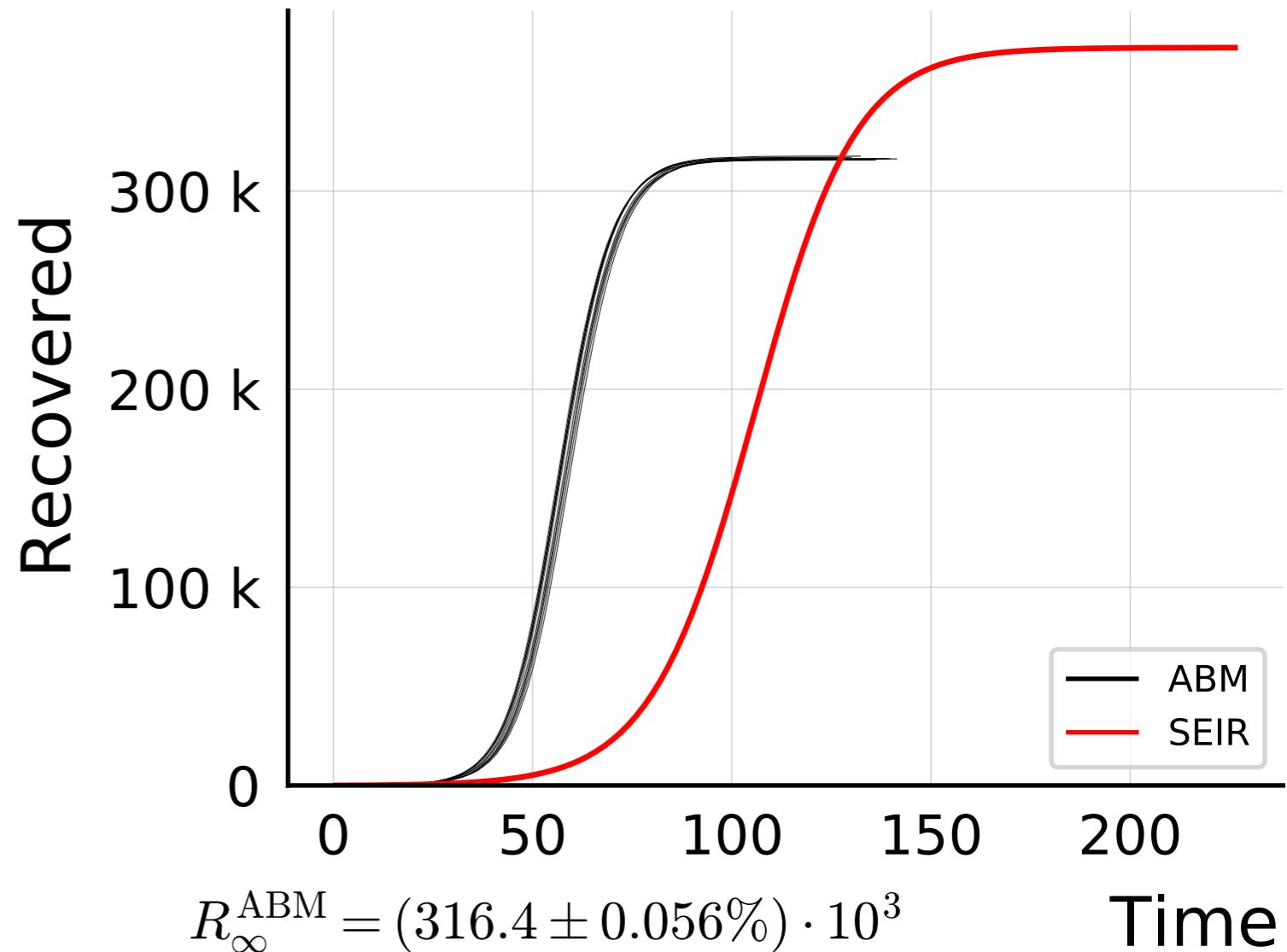
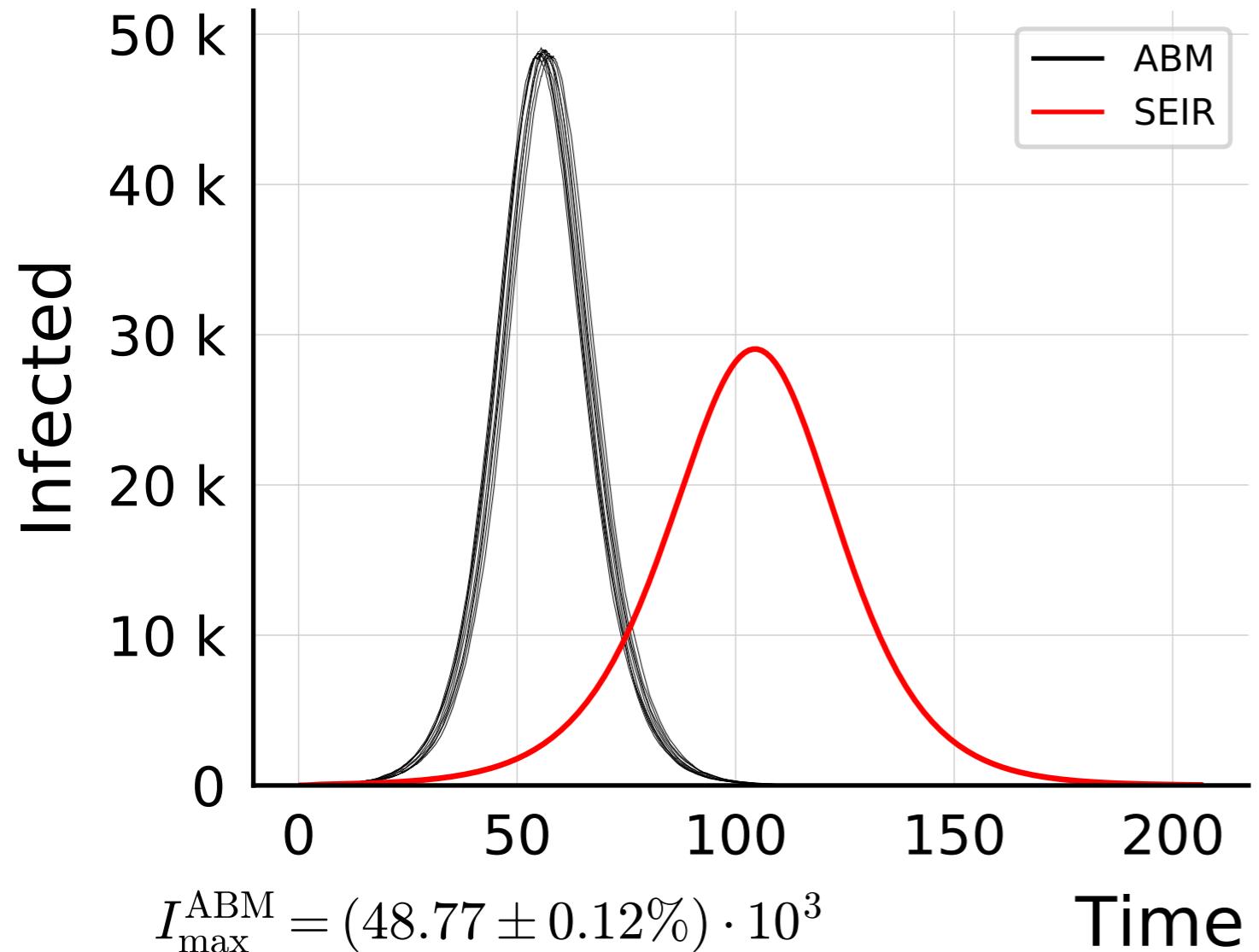
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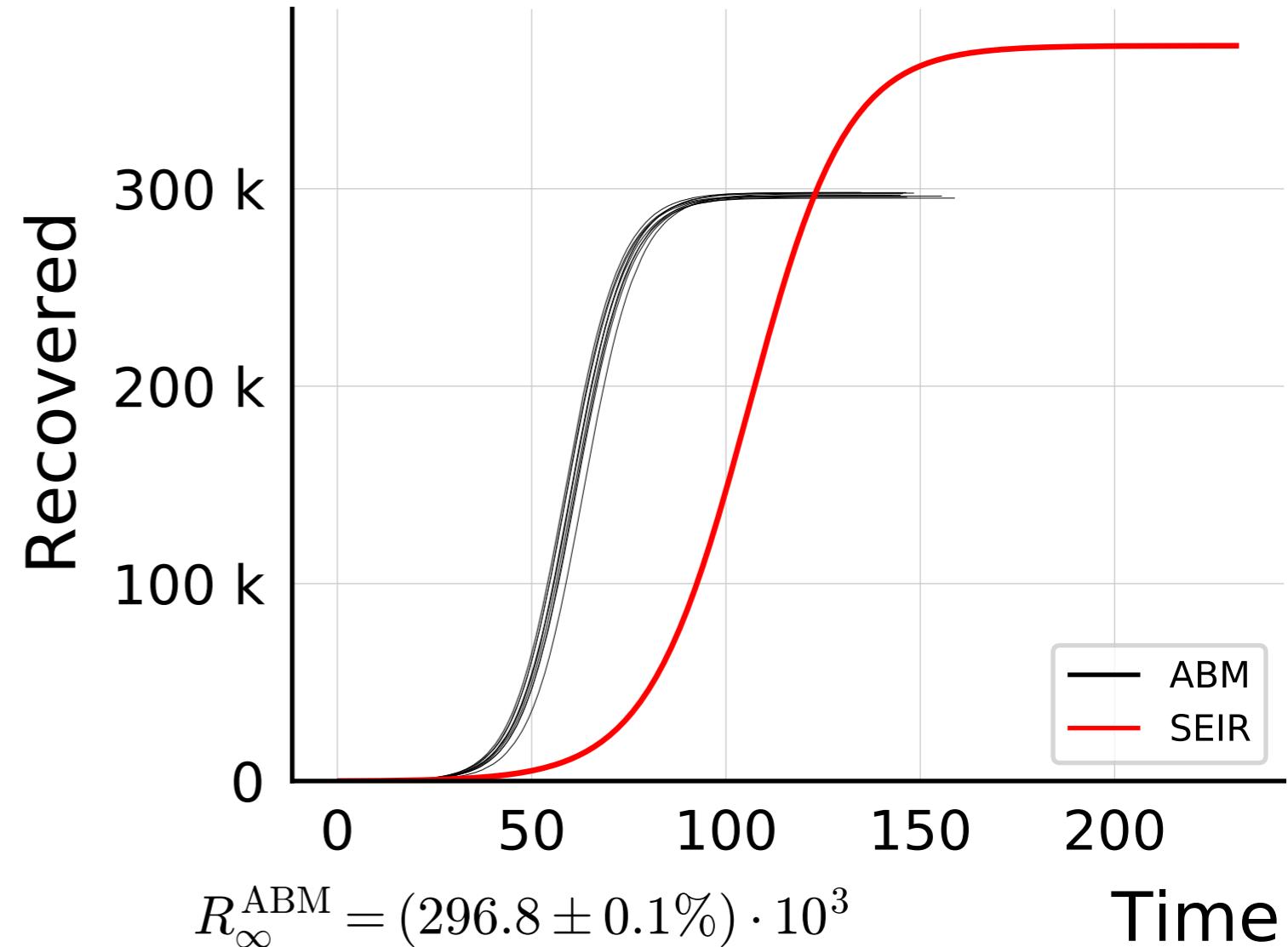
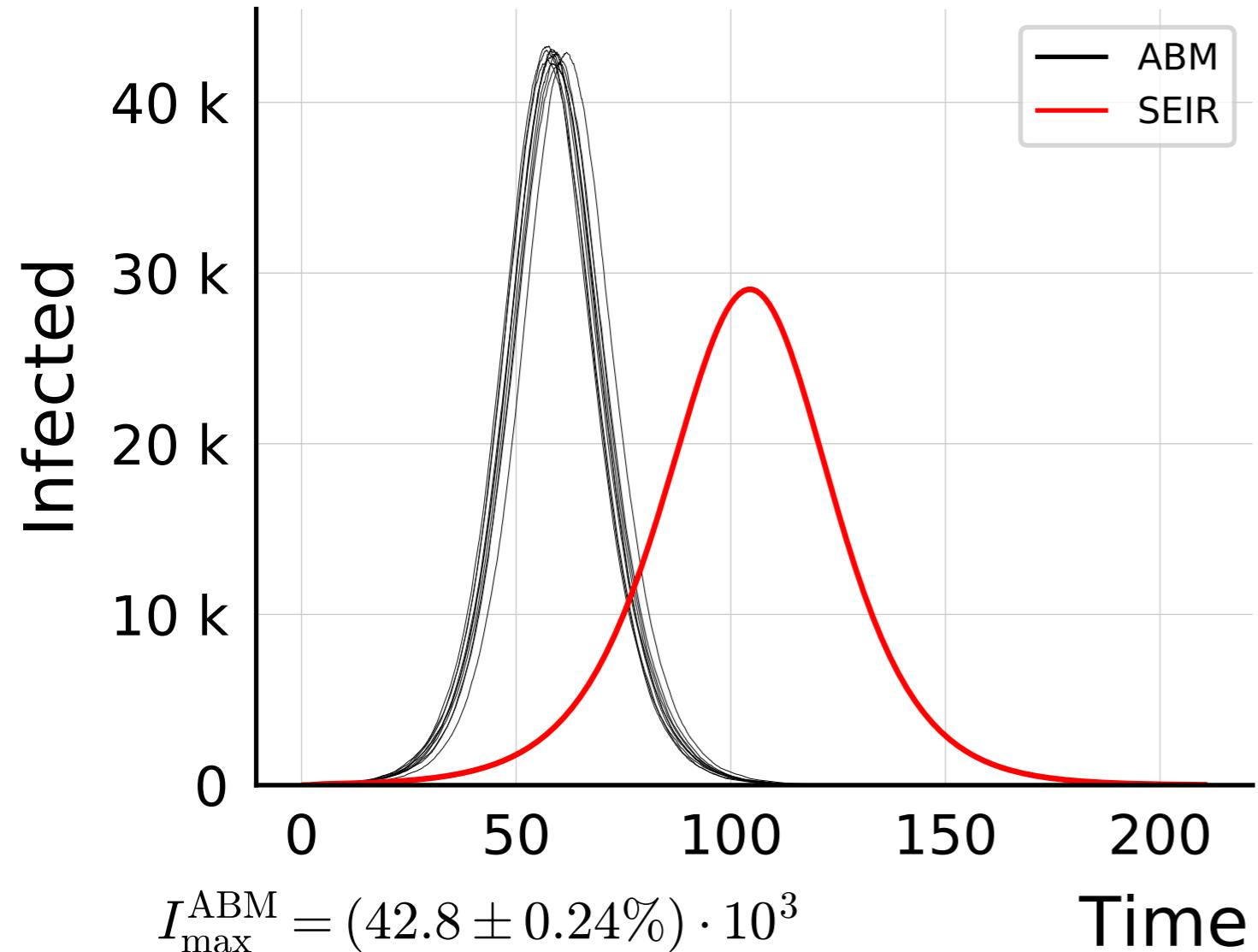
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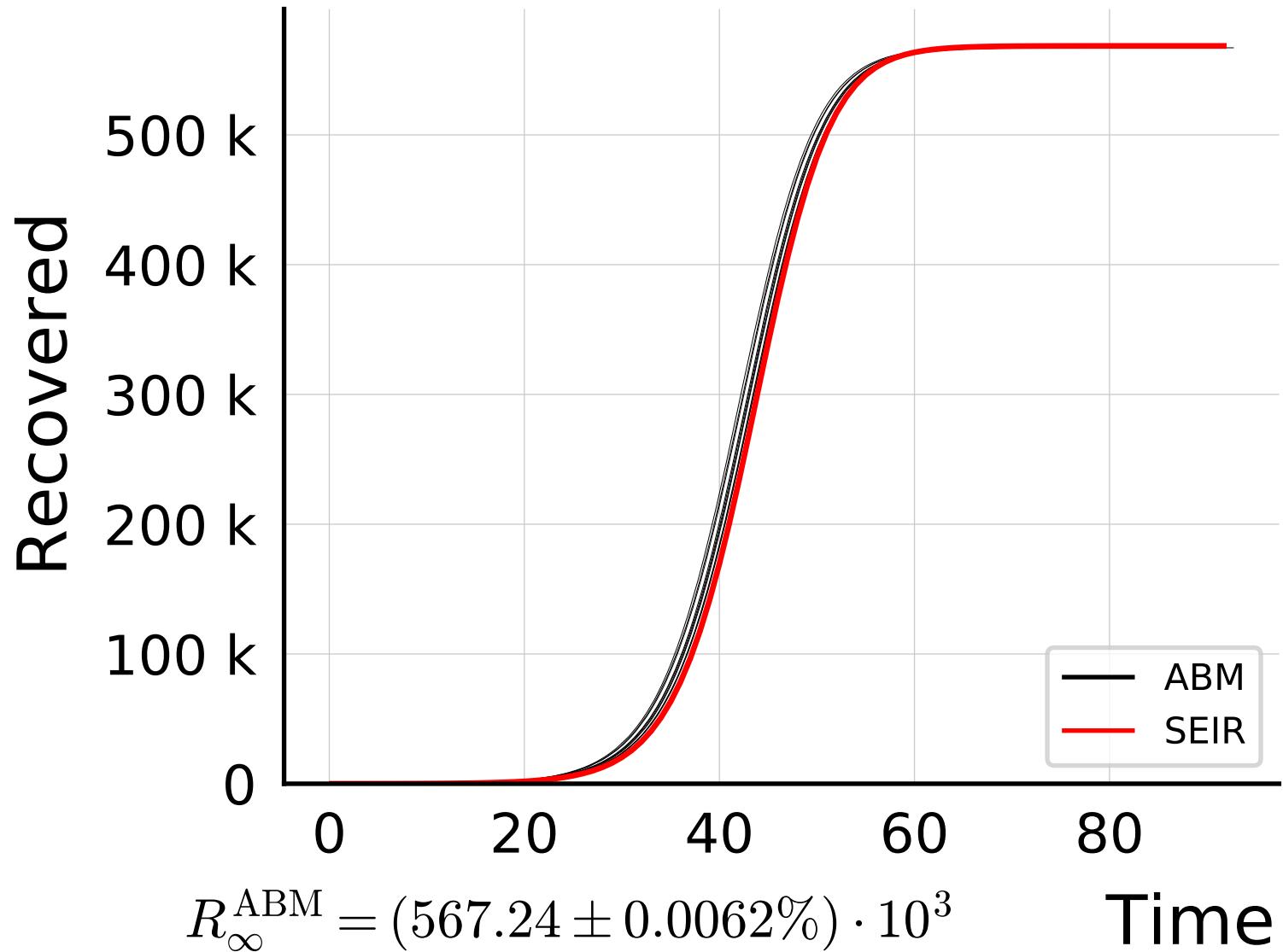
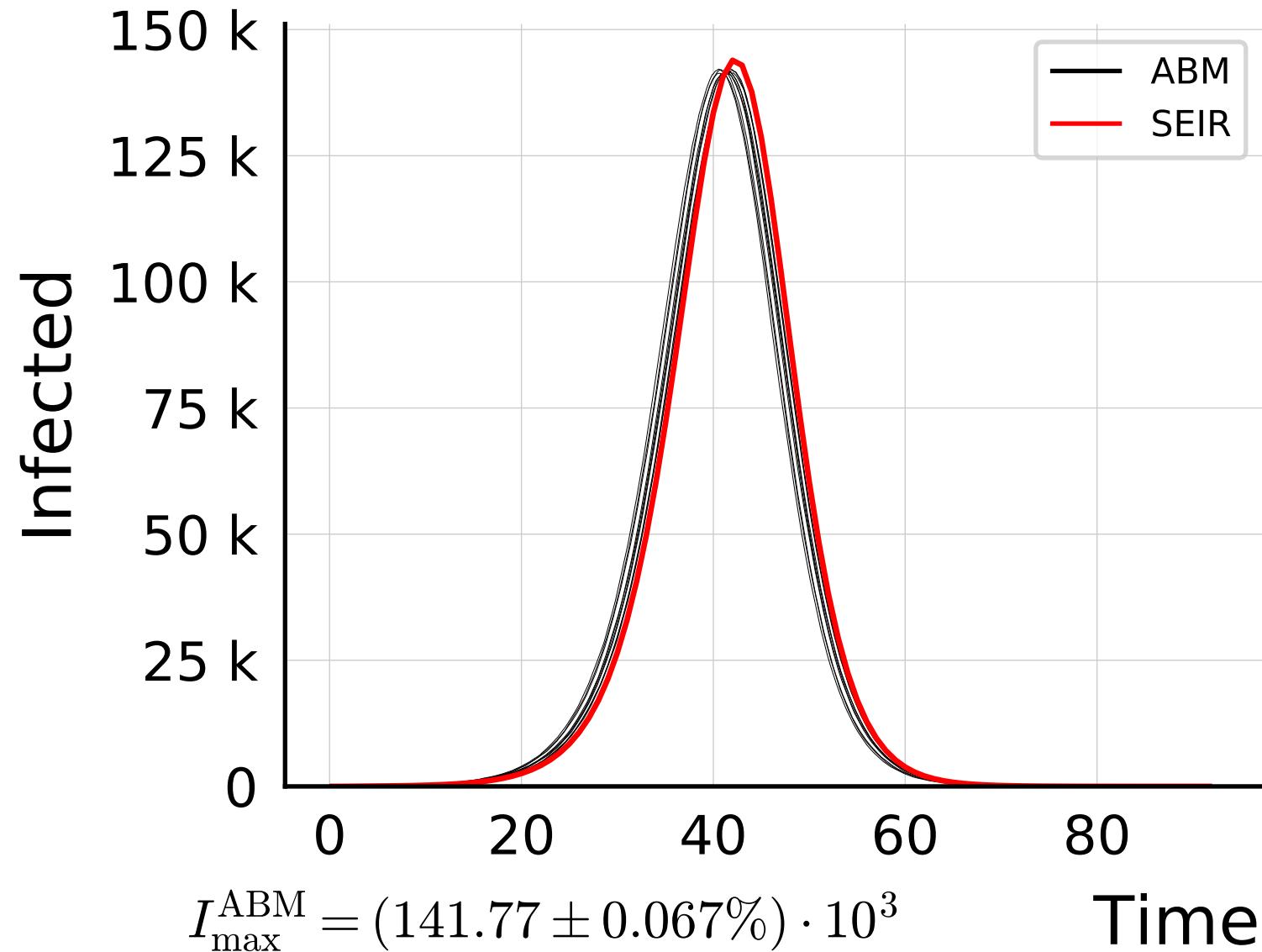
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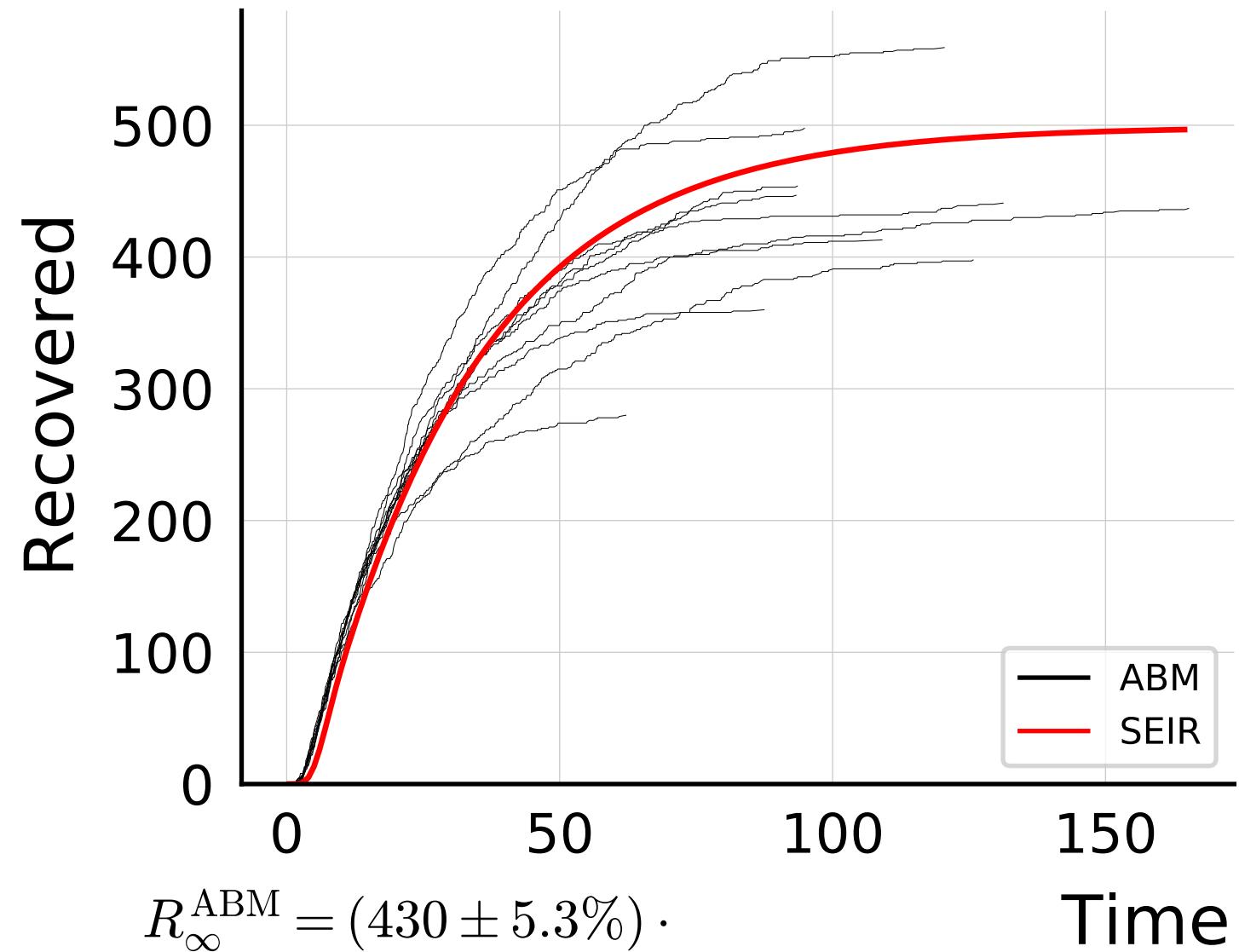
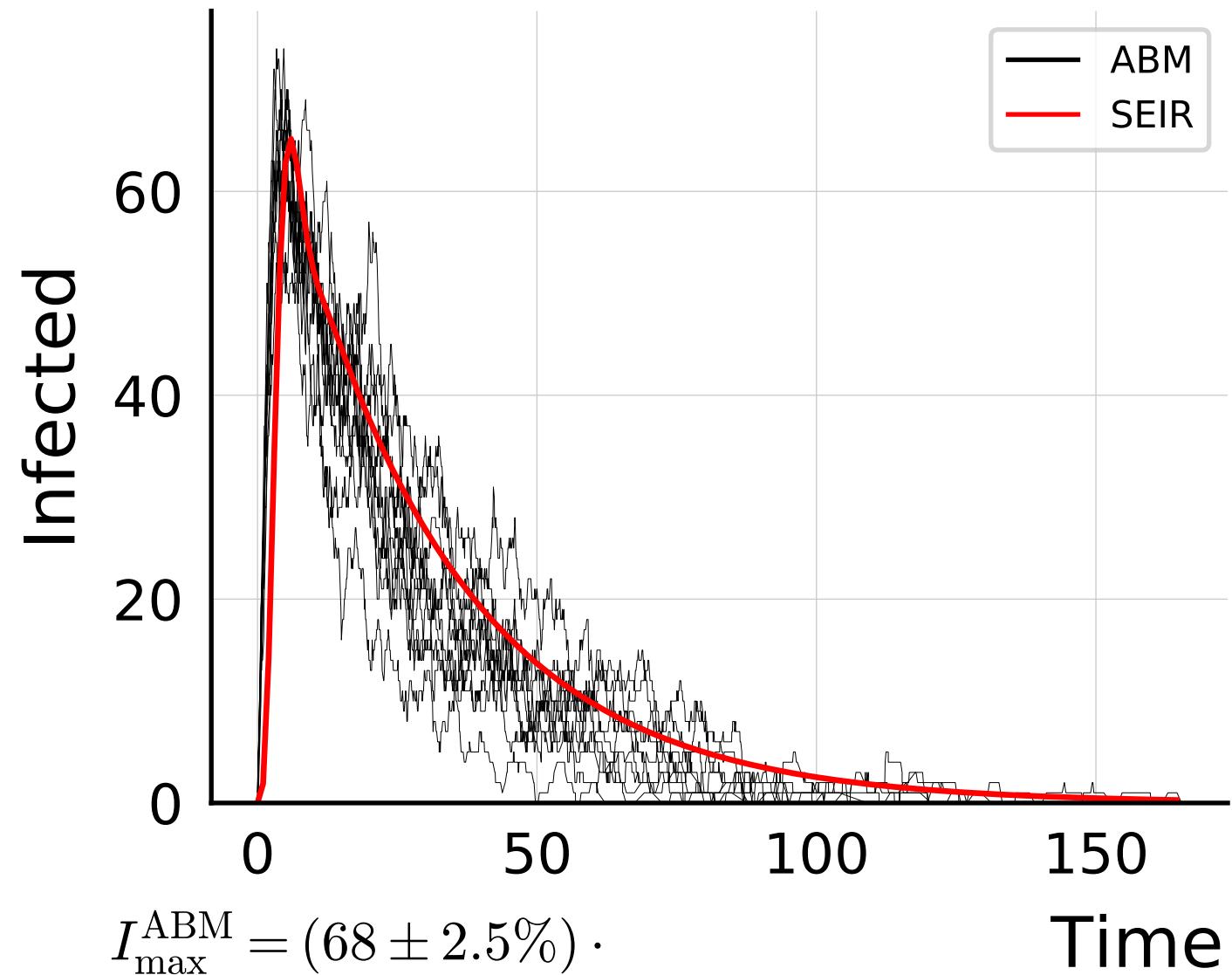
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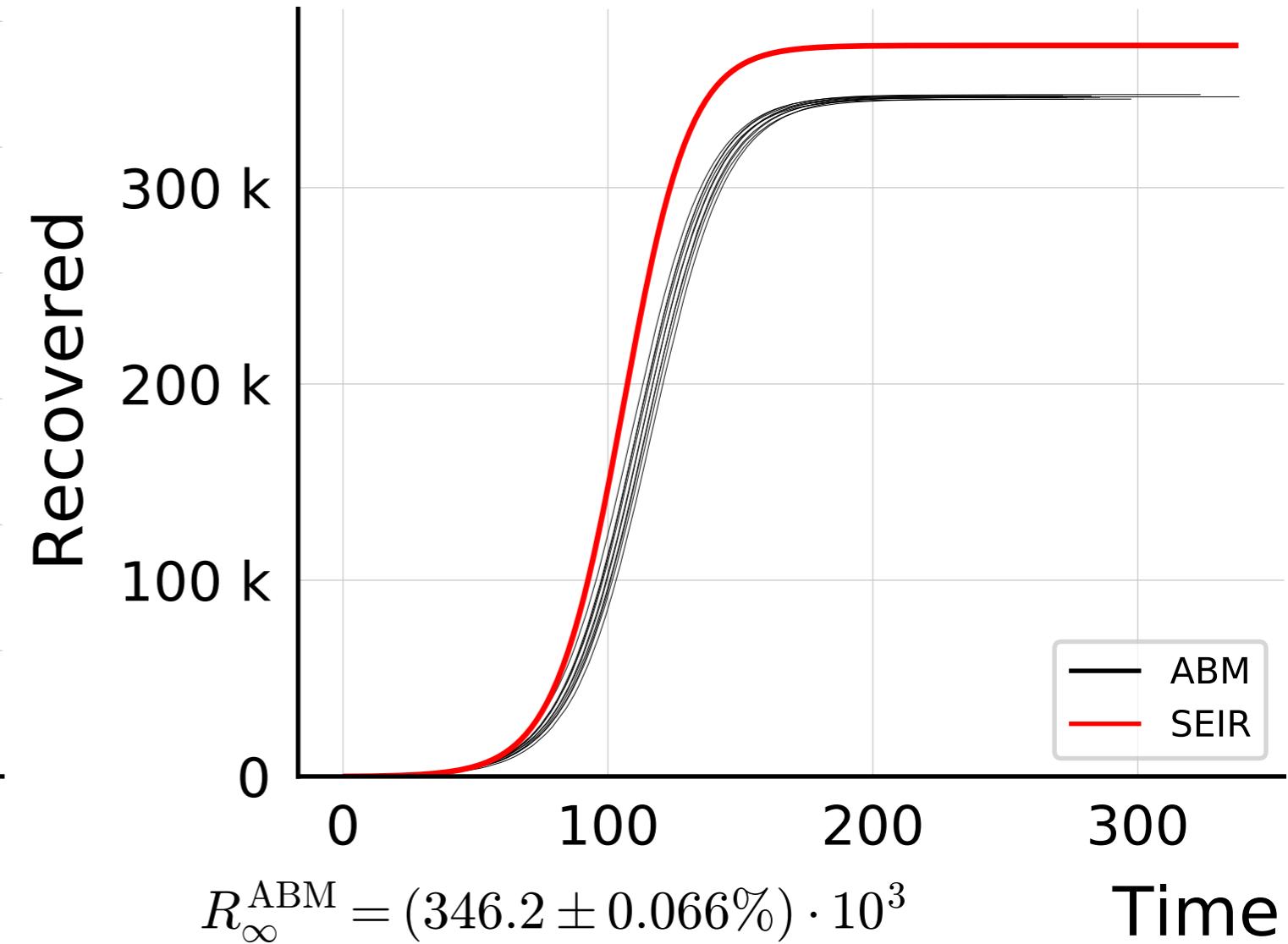
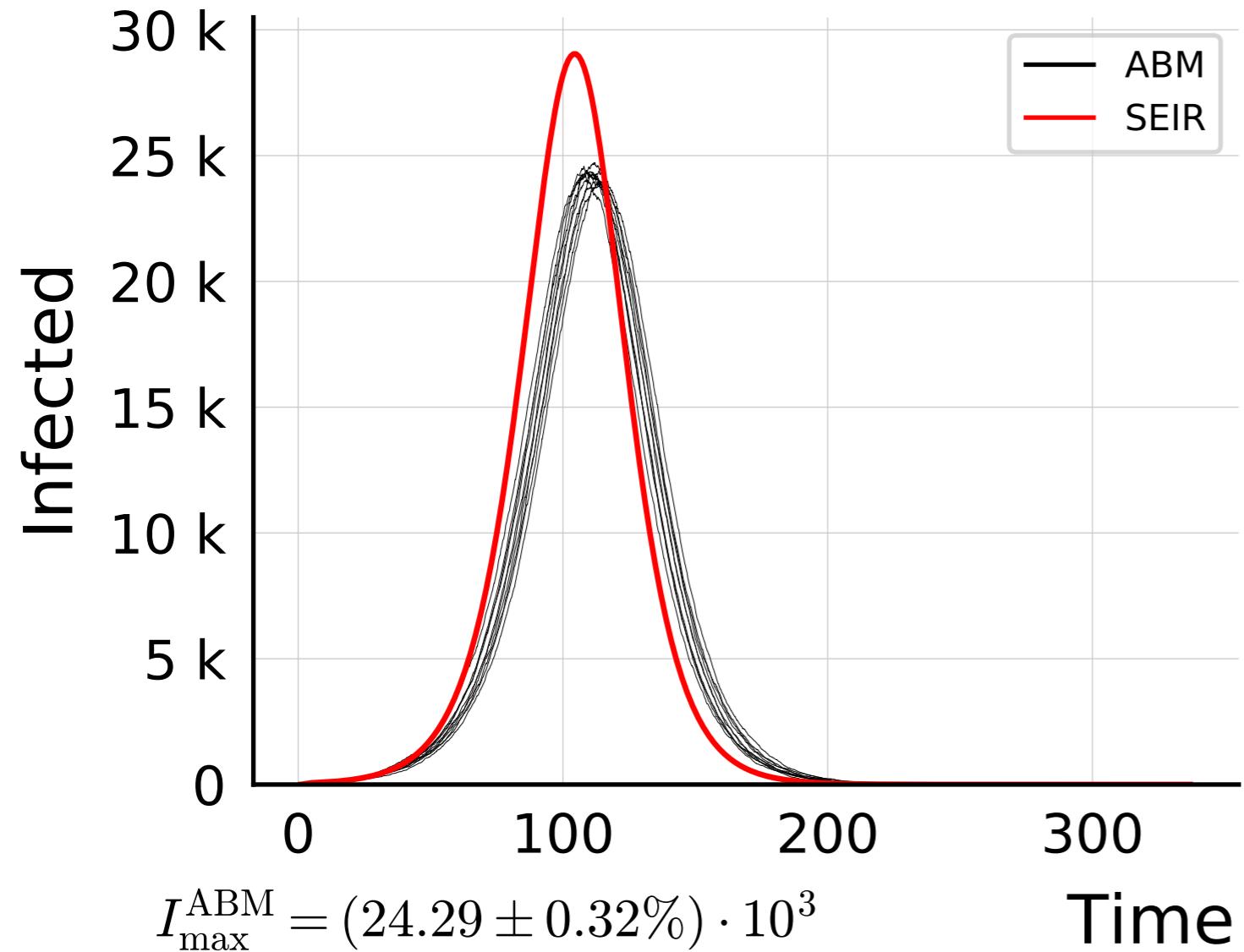
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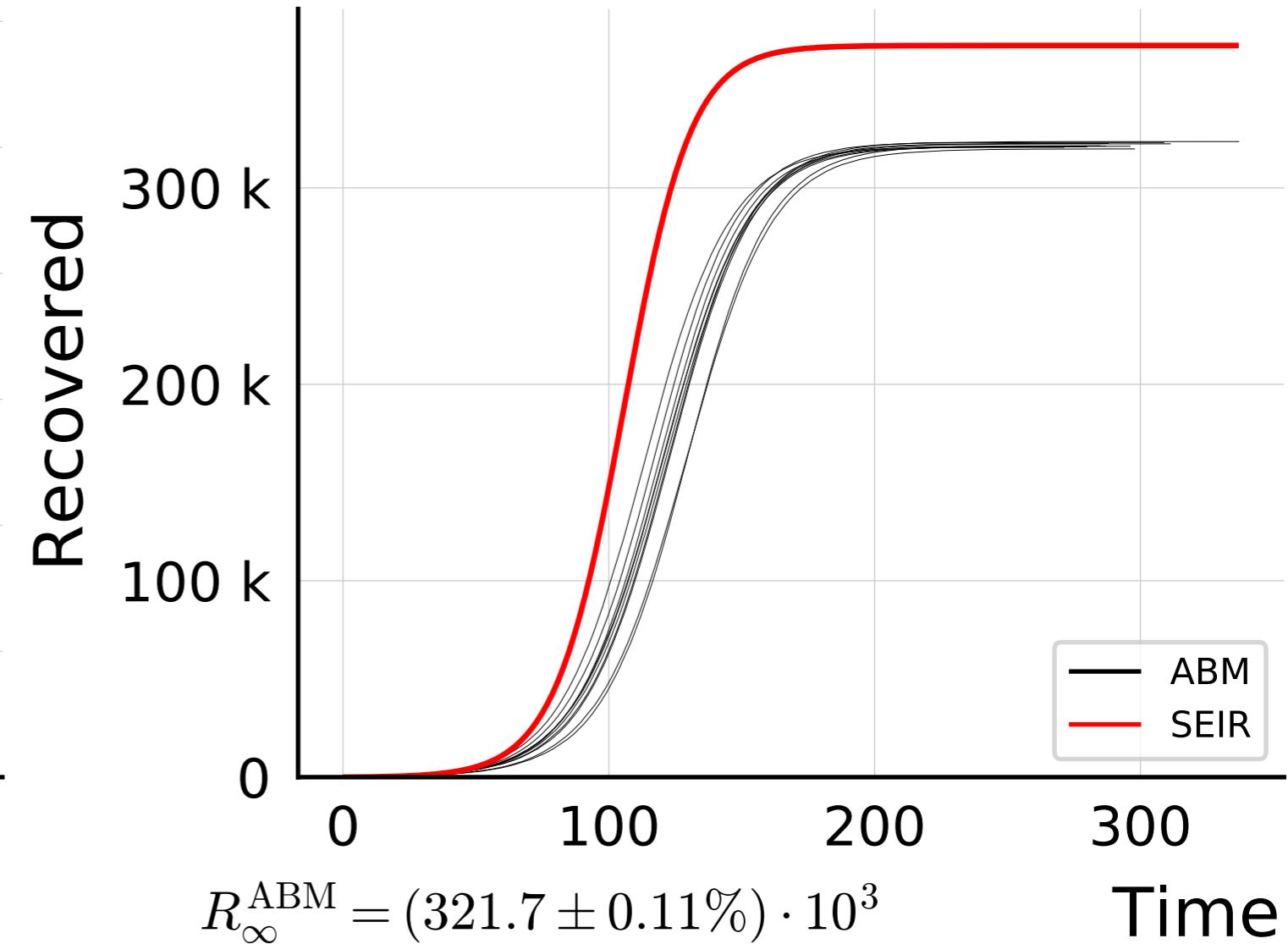
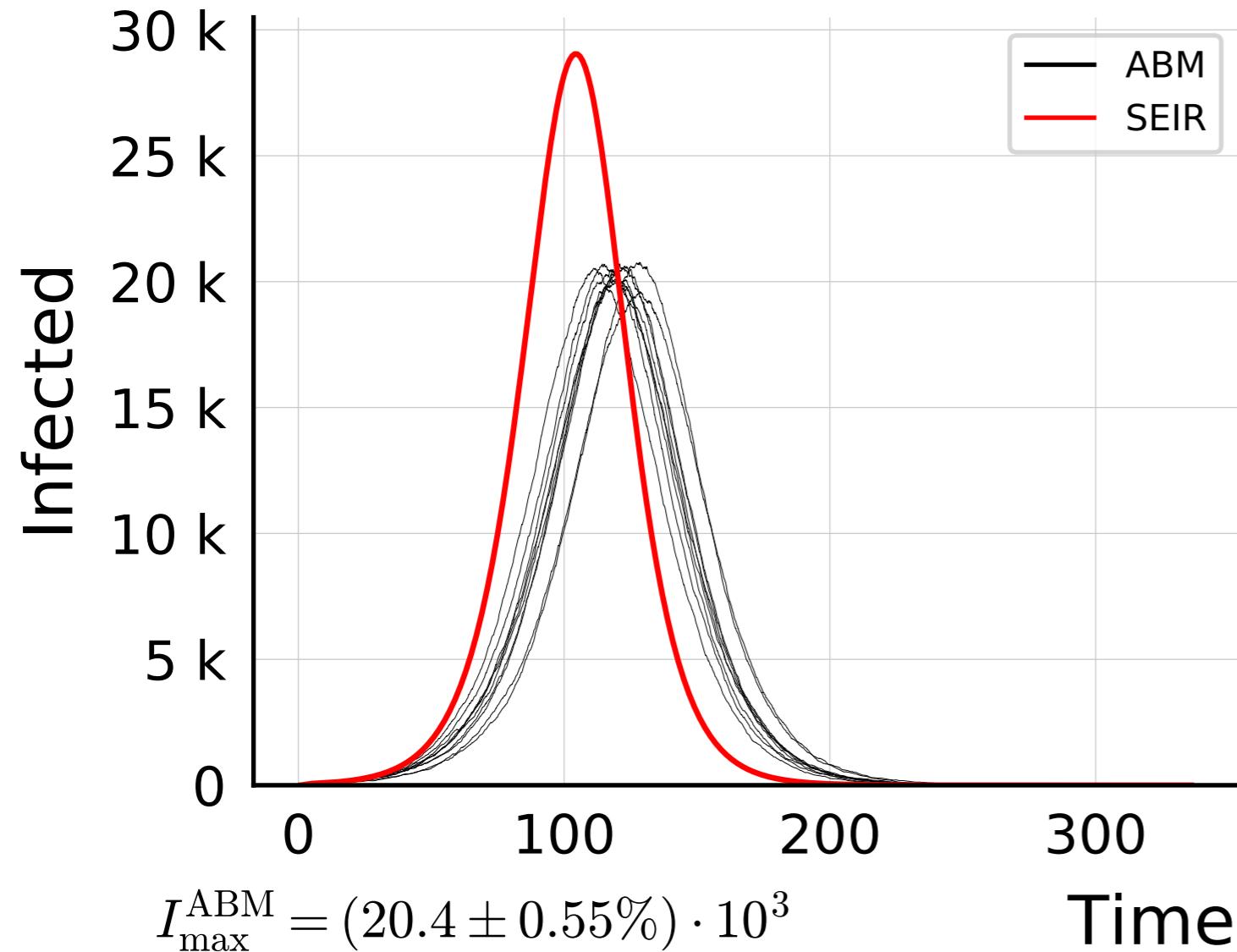
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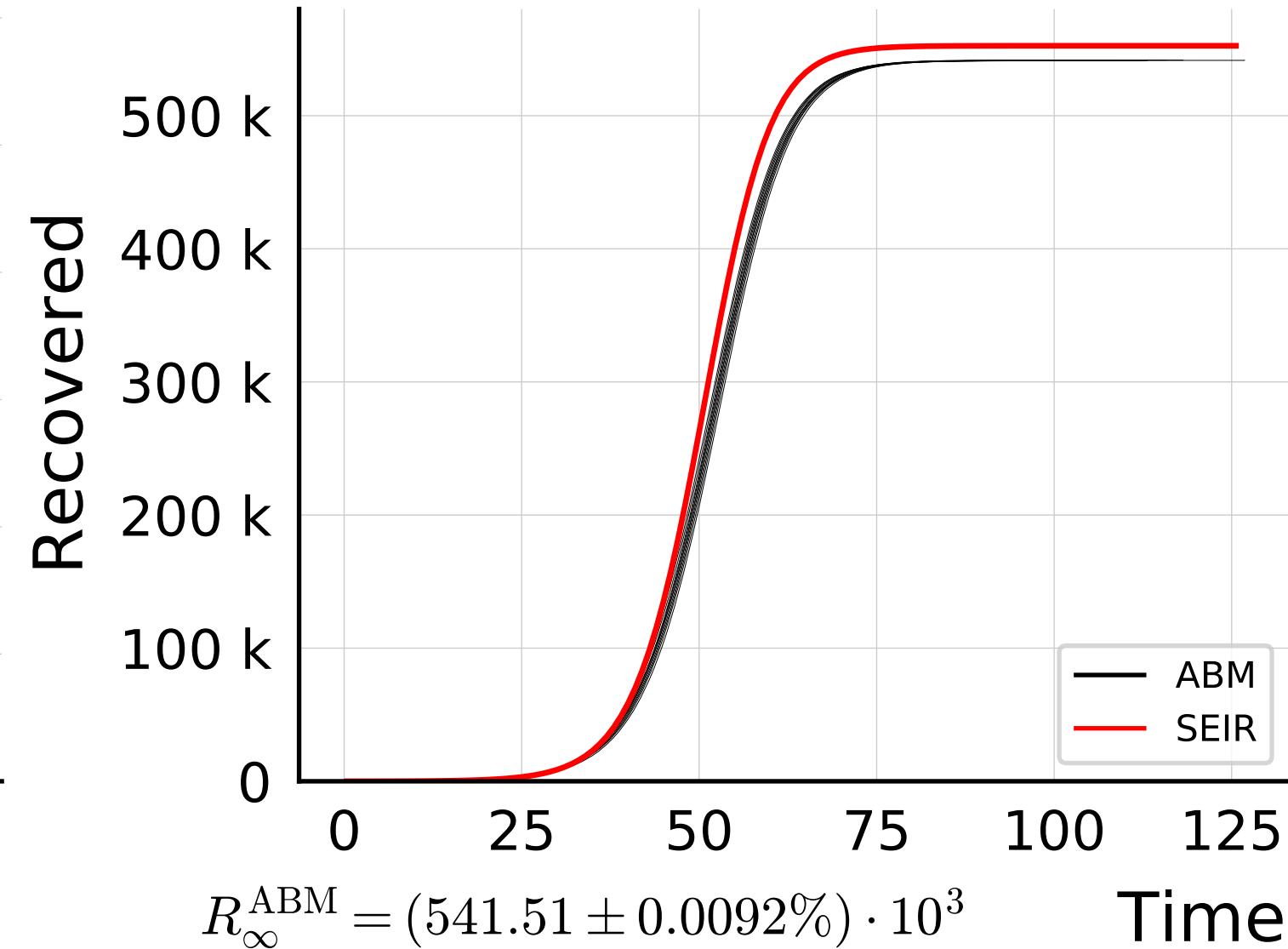
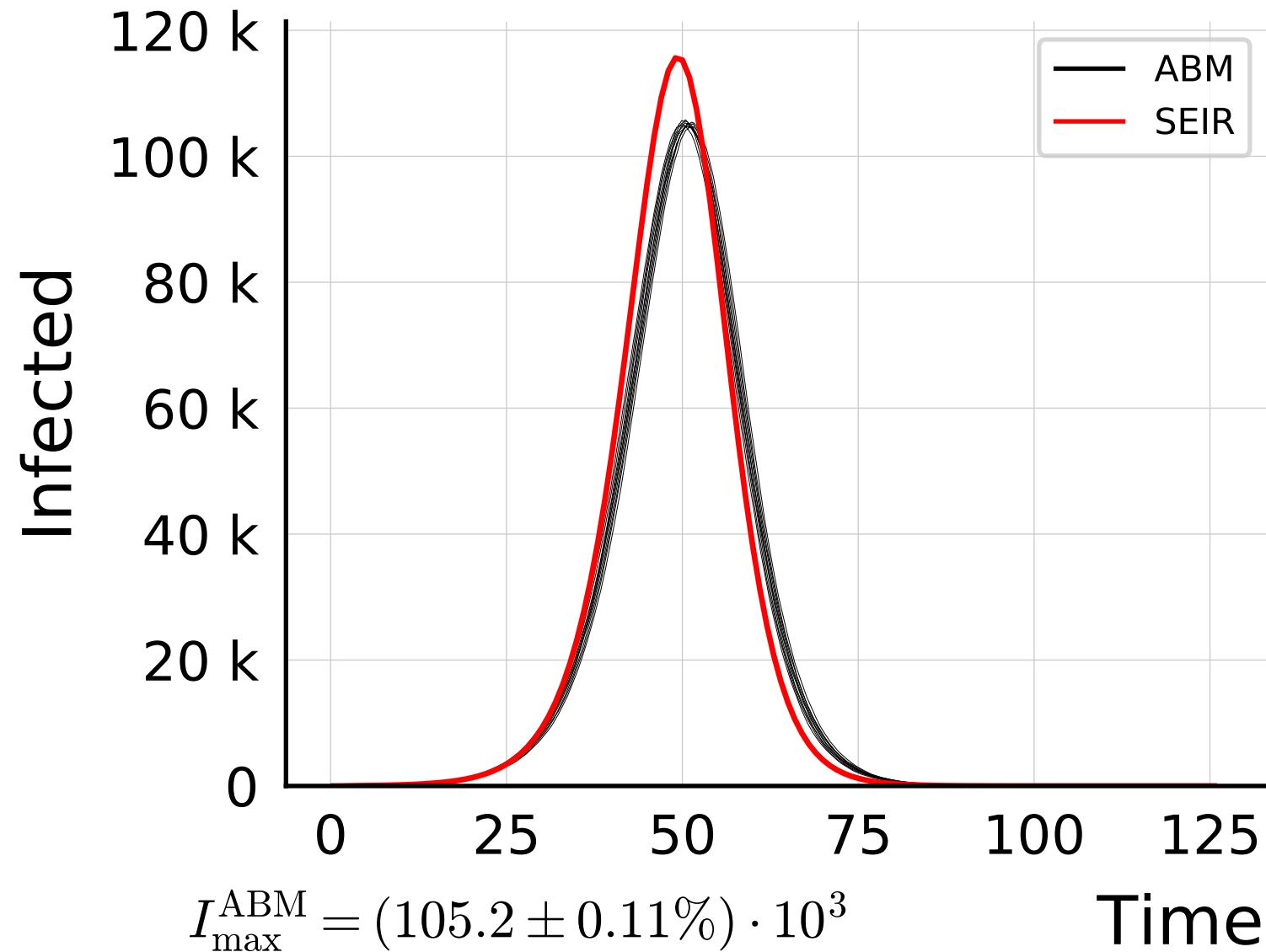
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 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , algo = 2, #10



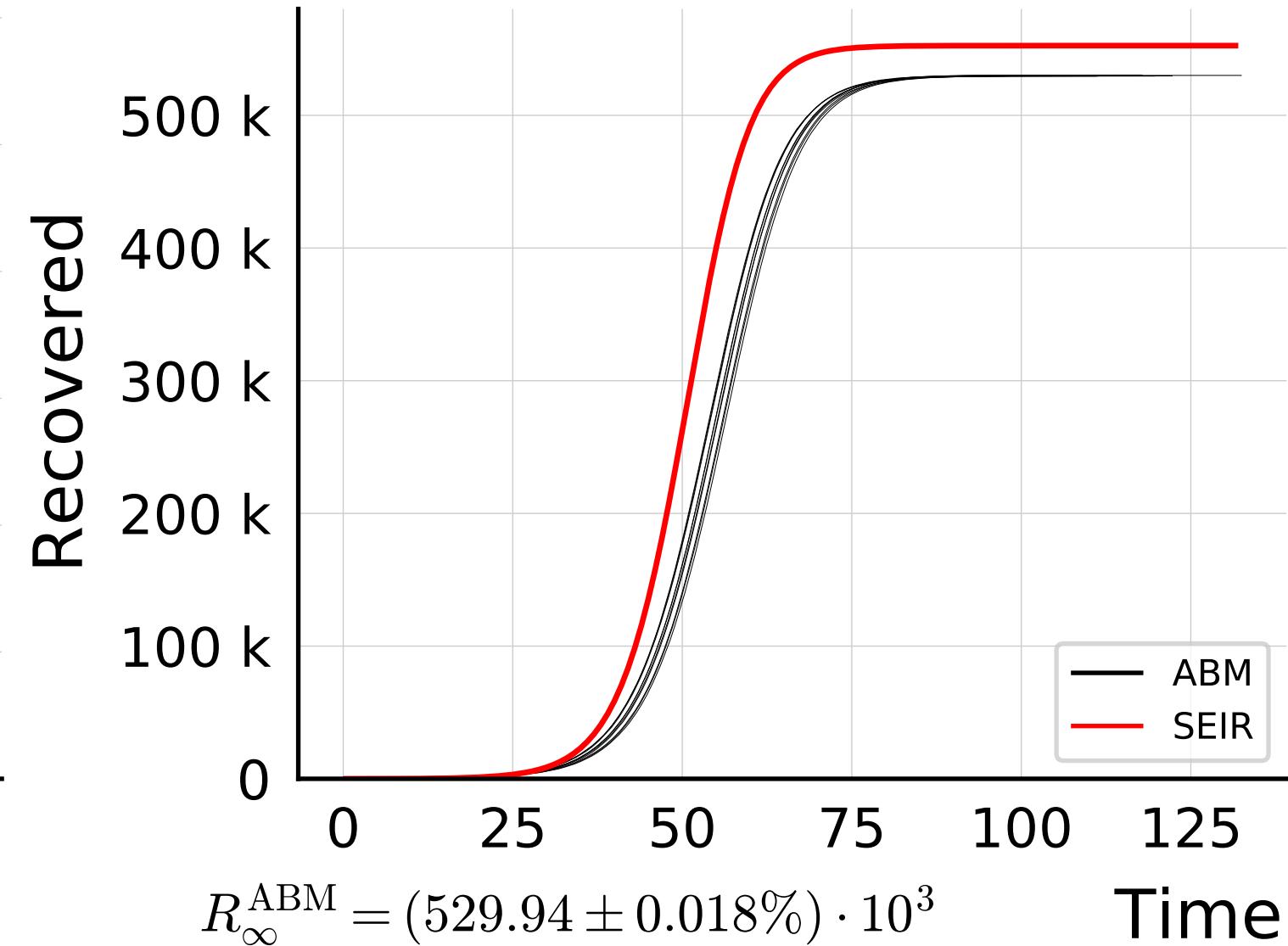
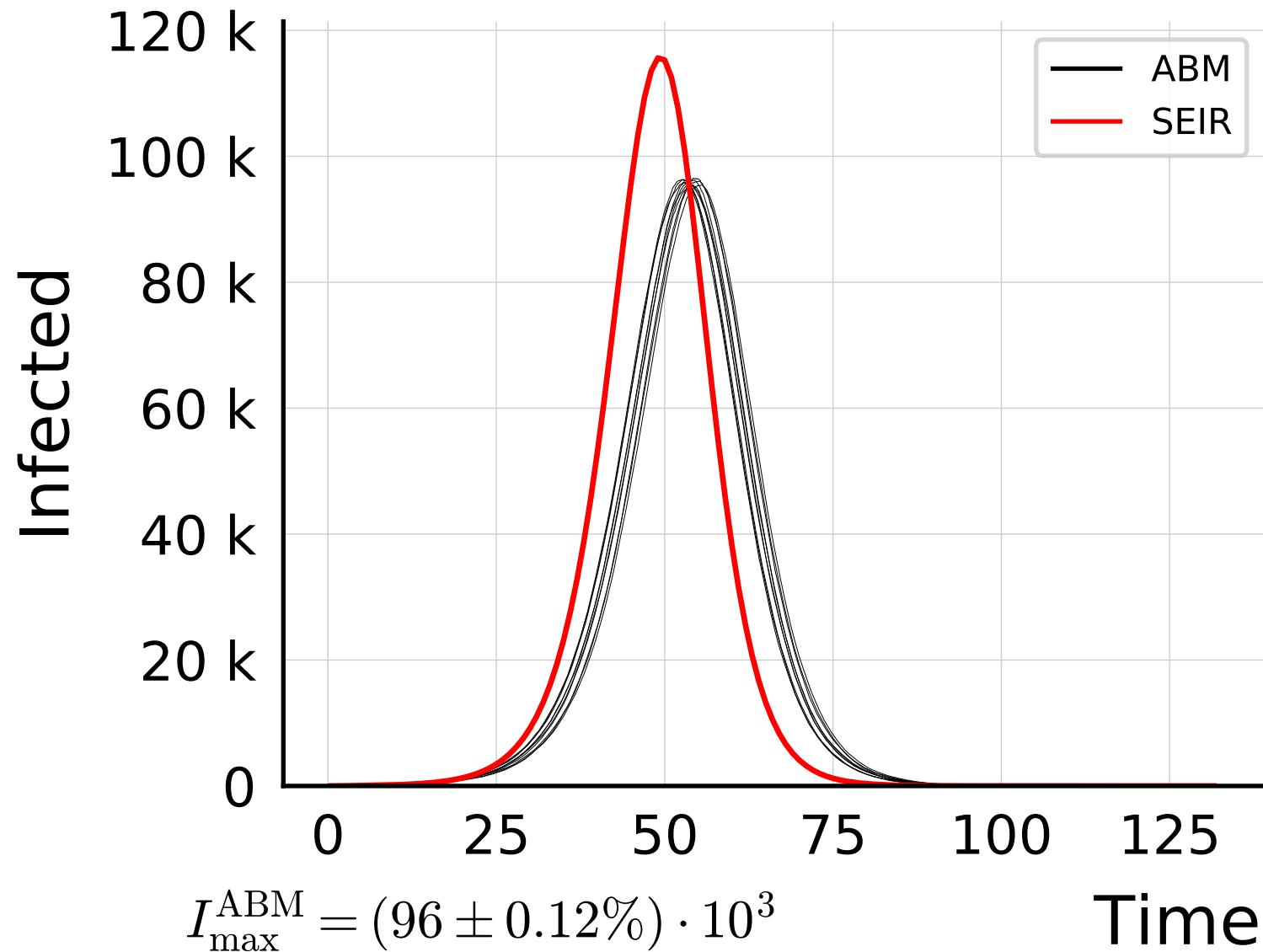
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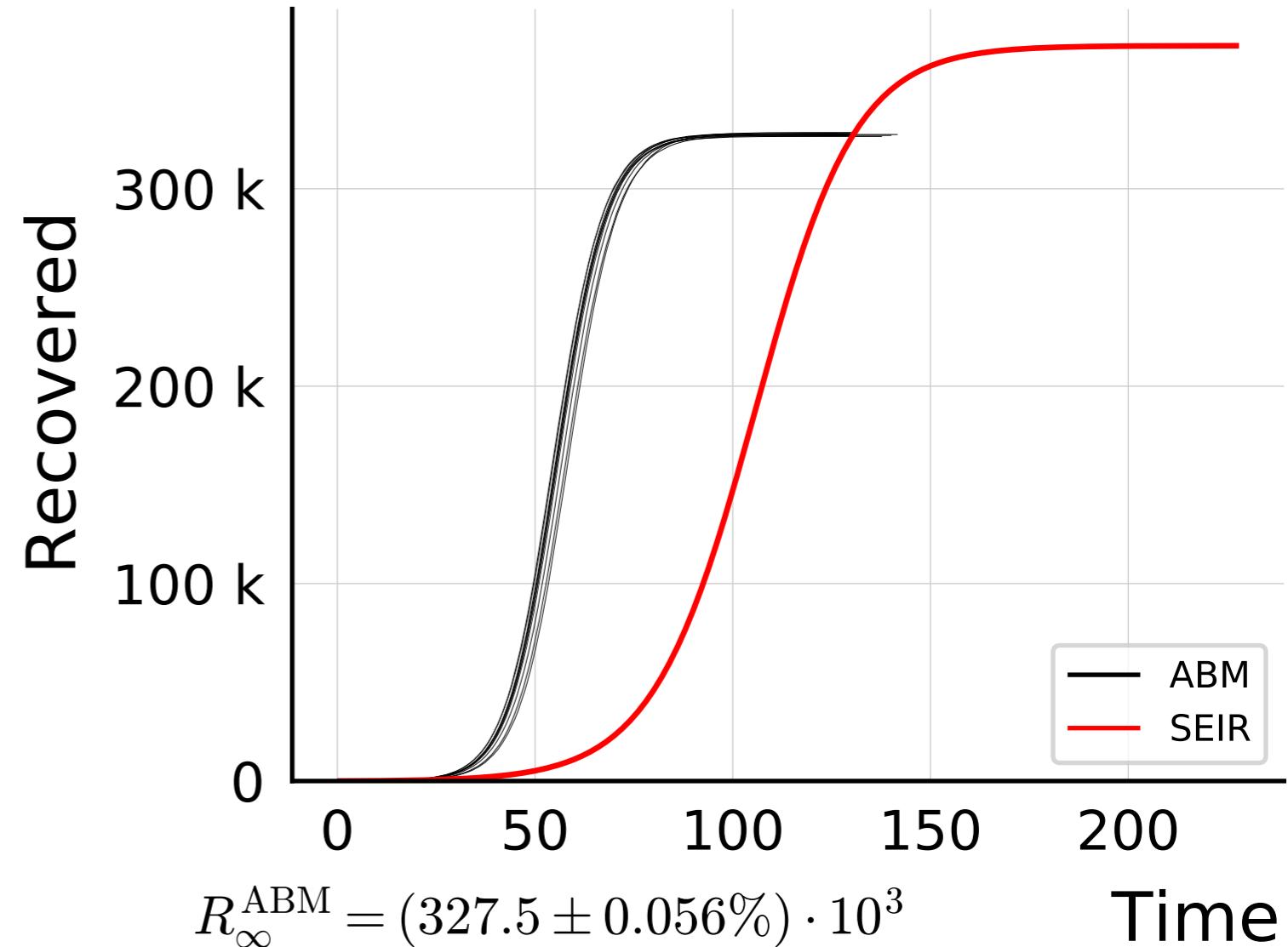
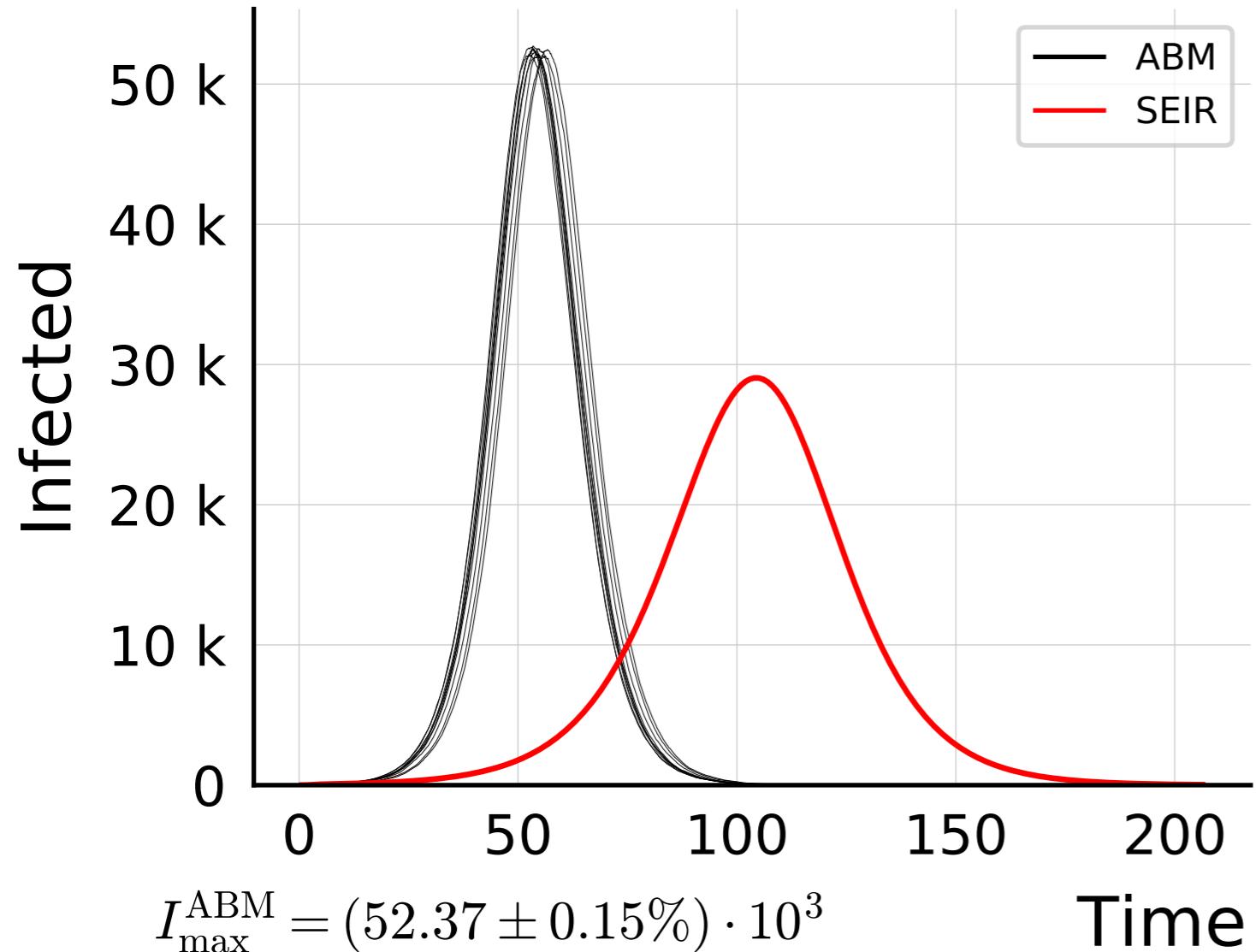
$N_{\text{tot}} = 580K$ ,  $N_{\text{init}} = 100$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 20.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.04$ ,  $\sigma_\beta = 0.0$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , algo = 2, #10



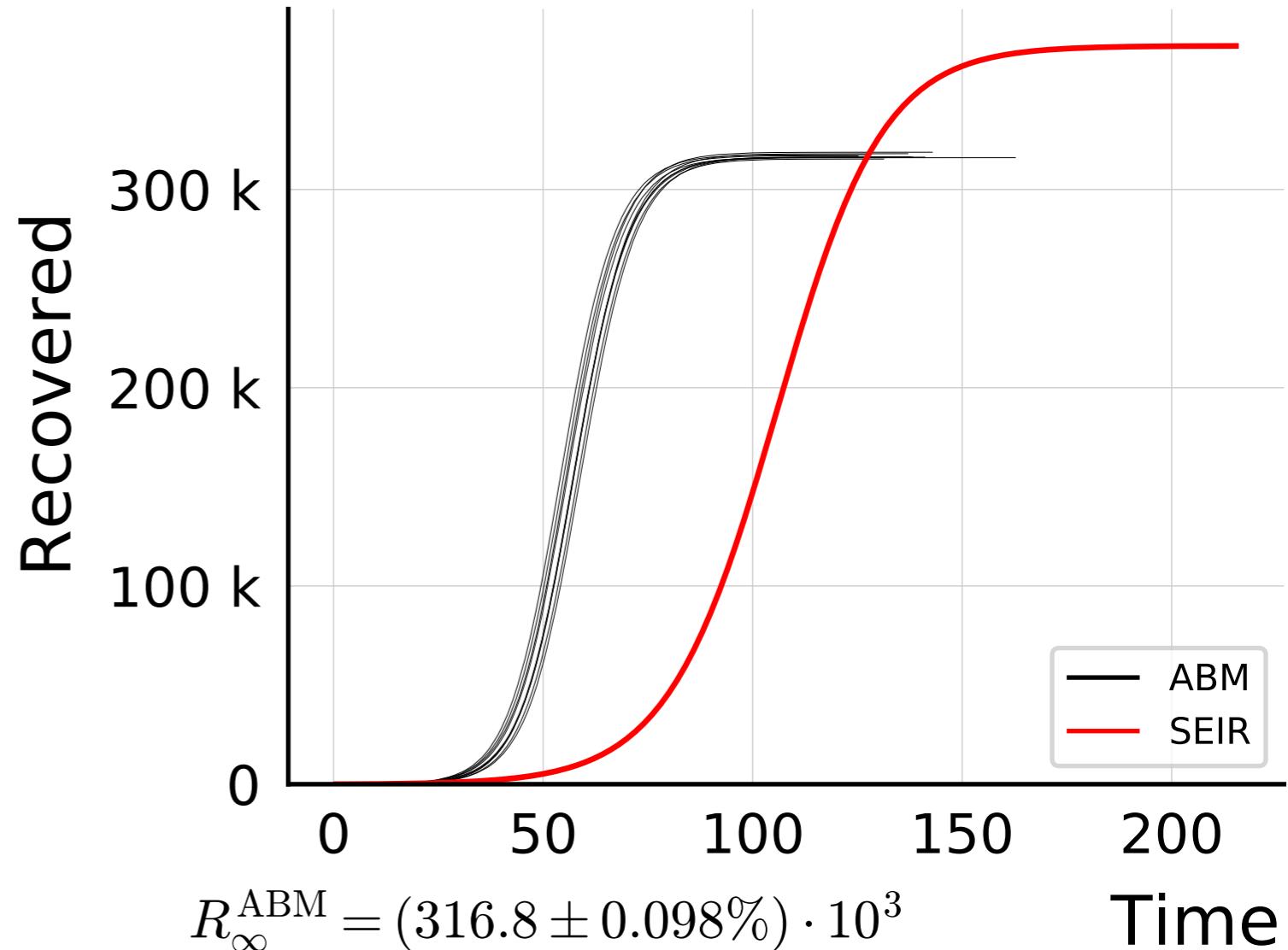
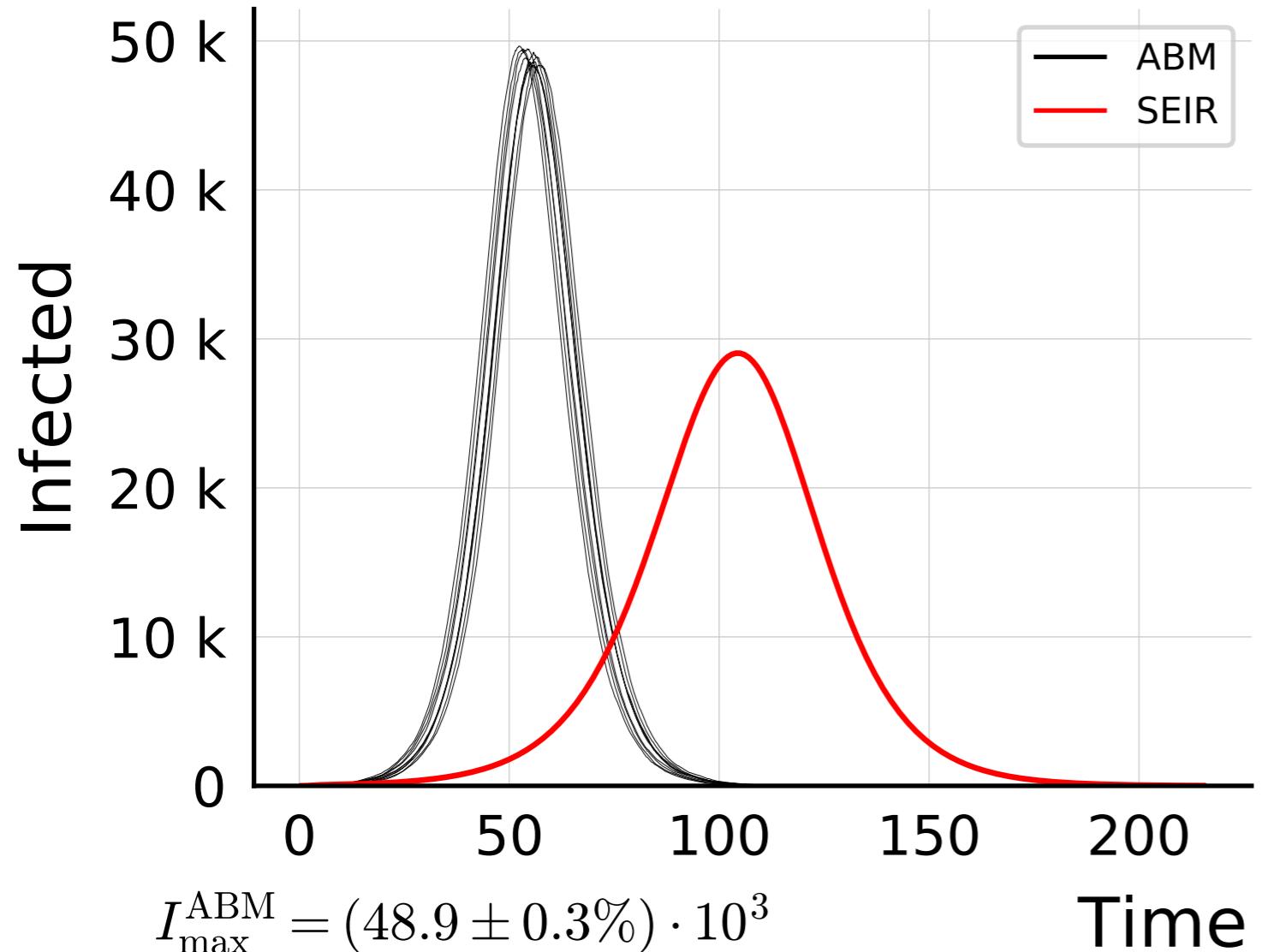
$N_{\text{tot}} = 580K$ ,  $N_{\text{init}} = 100$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 20.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.04$ ,  $\sigma_\beta = 1.0$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , algo = 2, #10



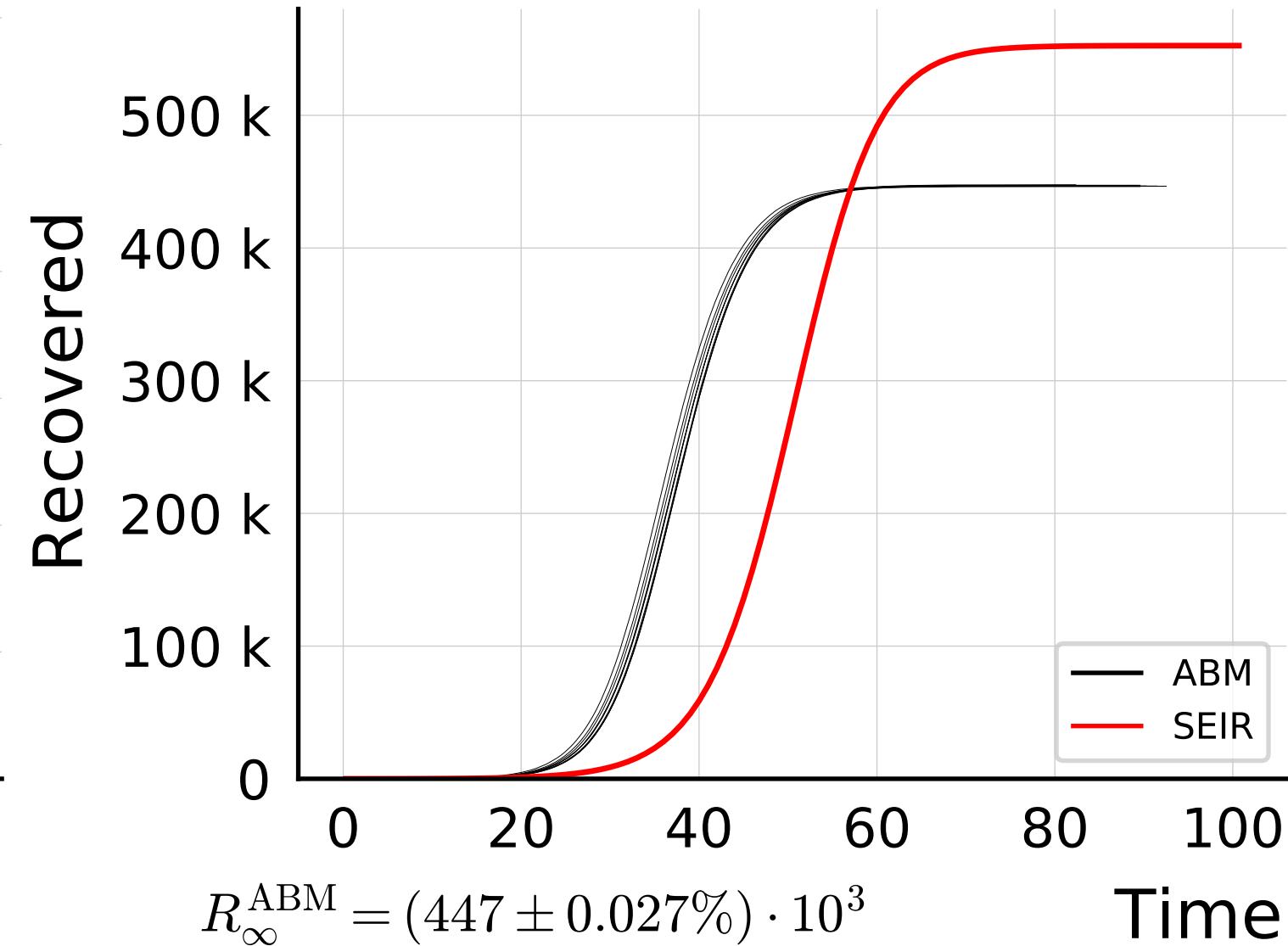
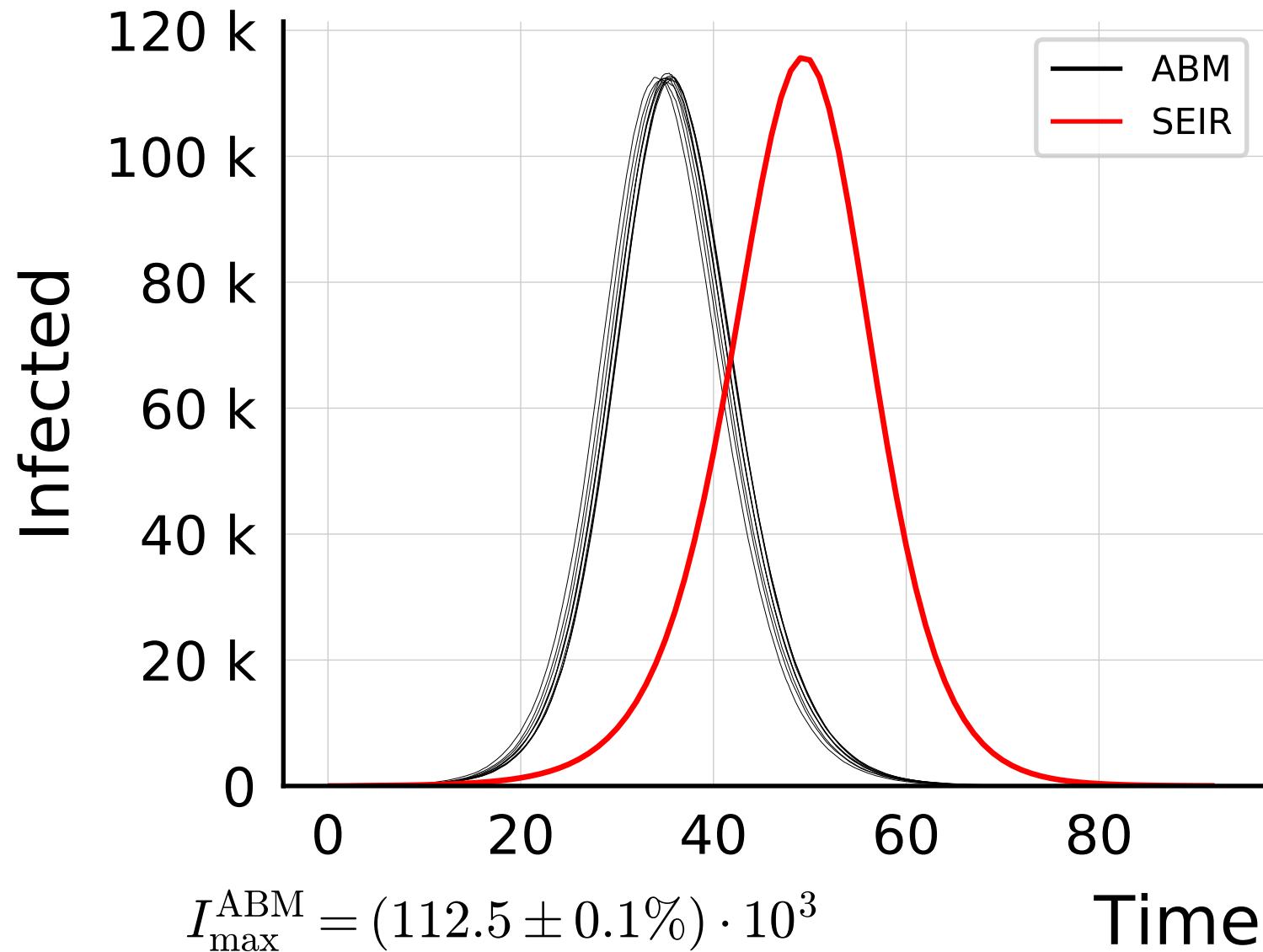
$N_{\text{tot}} = 580K$ ,  $N_{\text{init}} = 100$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 20.0$ ,  $\sigma_\mu = 1.0$ ,  $\beta = 0.02$ ,  $\sigma_\beta = 0.0$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , algo = 2, #10



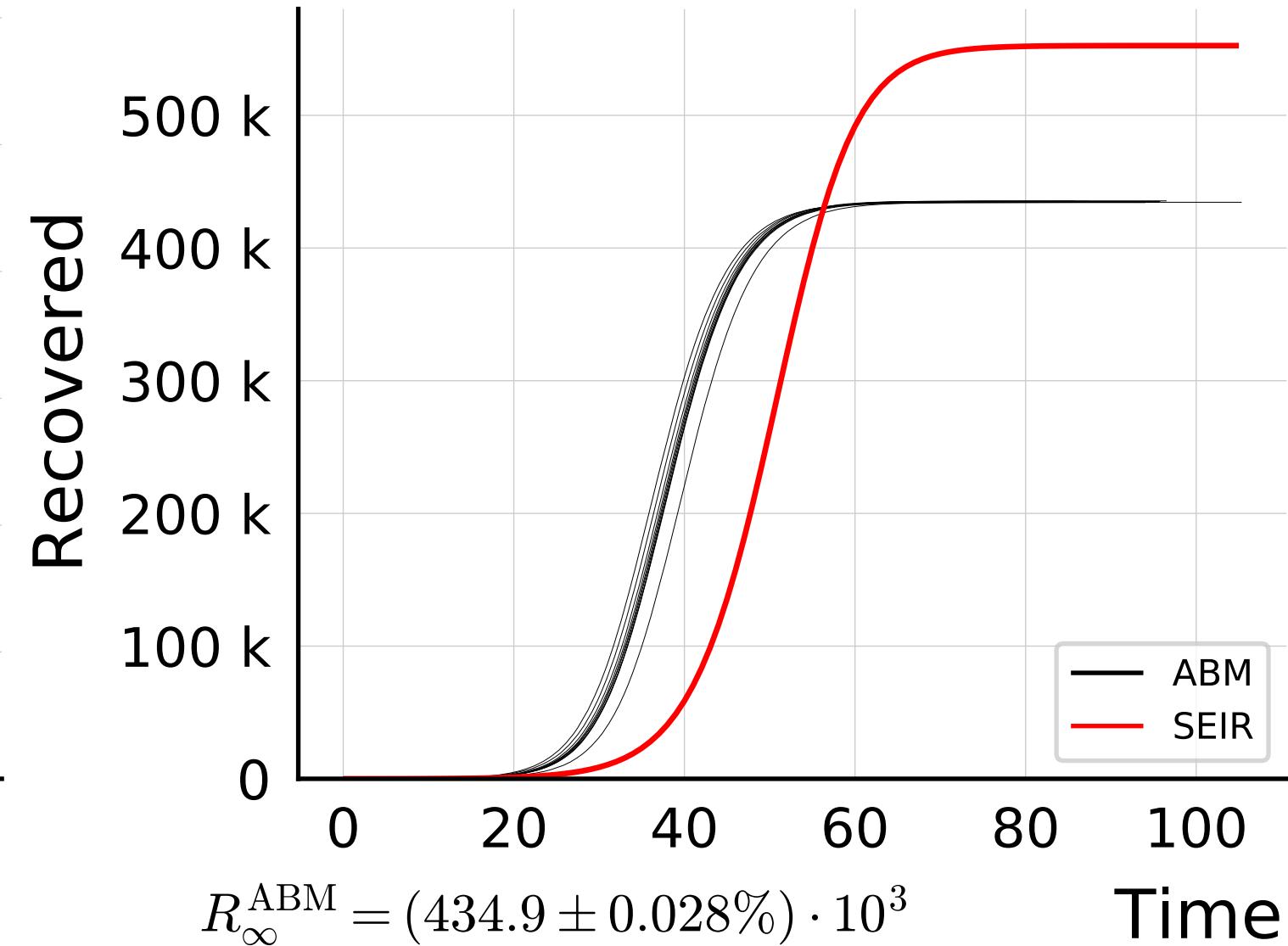
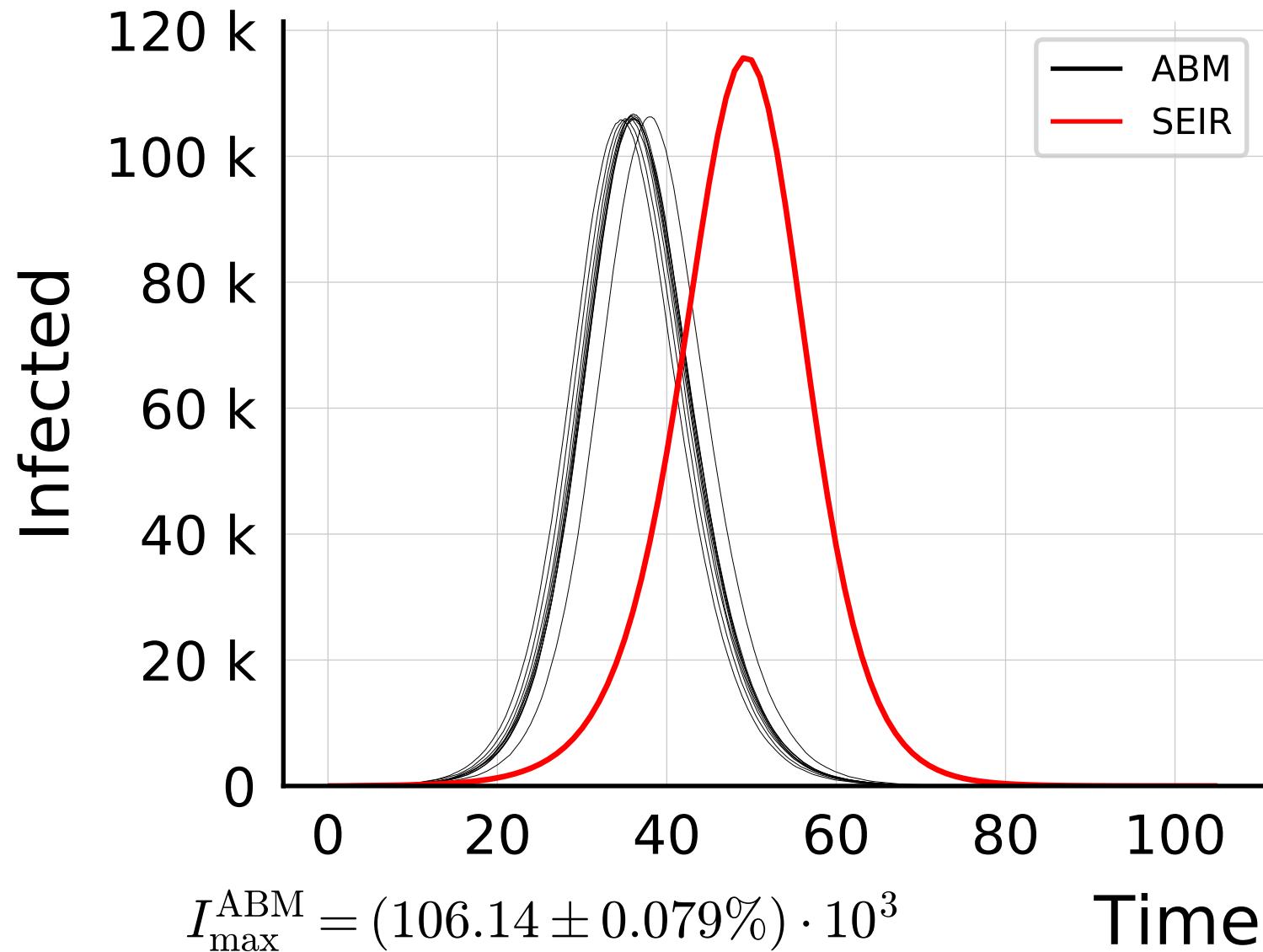
$N_{\text{tot}} = 580K$ ,  $N_{\text{init}} = 100$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 20.0$ ,  $\sigma_\mu = 1.0$ ,  $\beta = 0.02$ ,  $\sigma_\beta = 1.0$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , algo = 2, #10



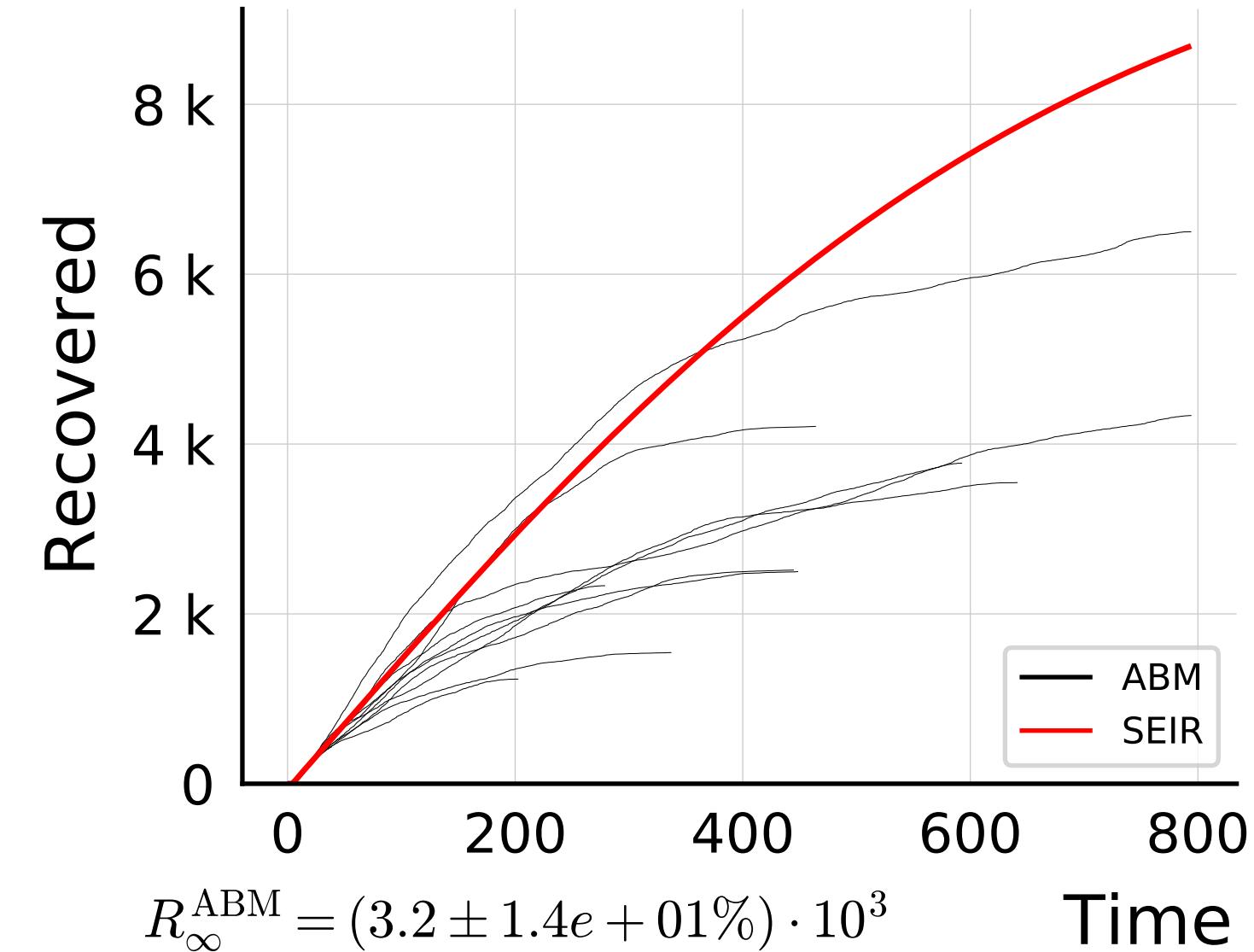
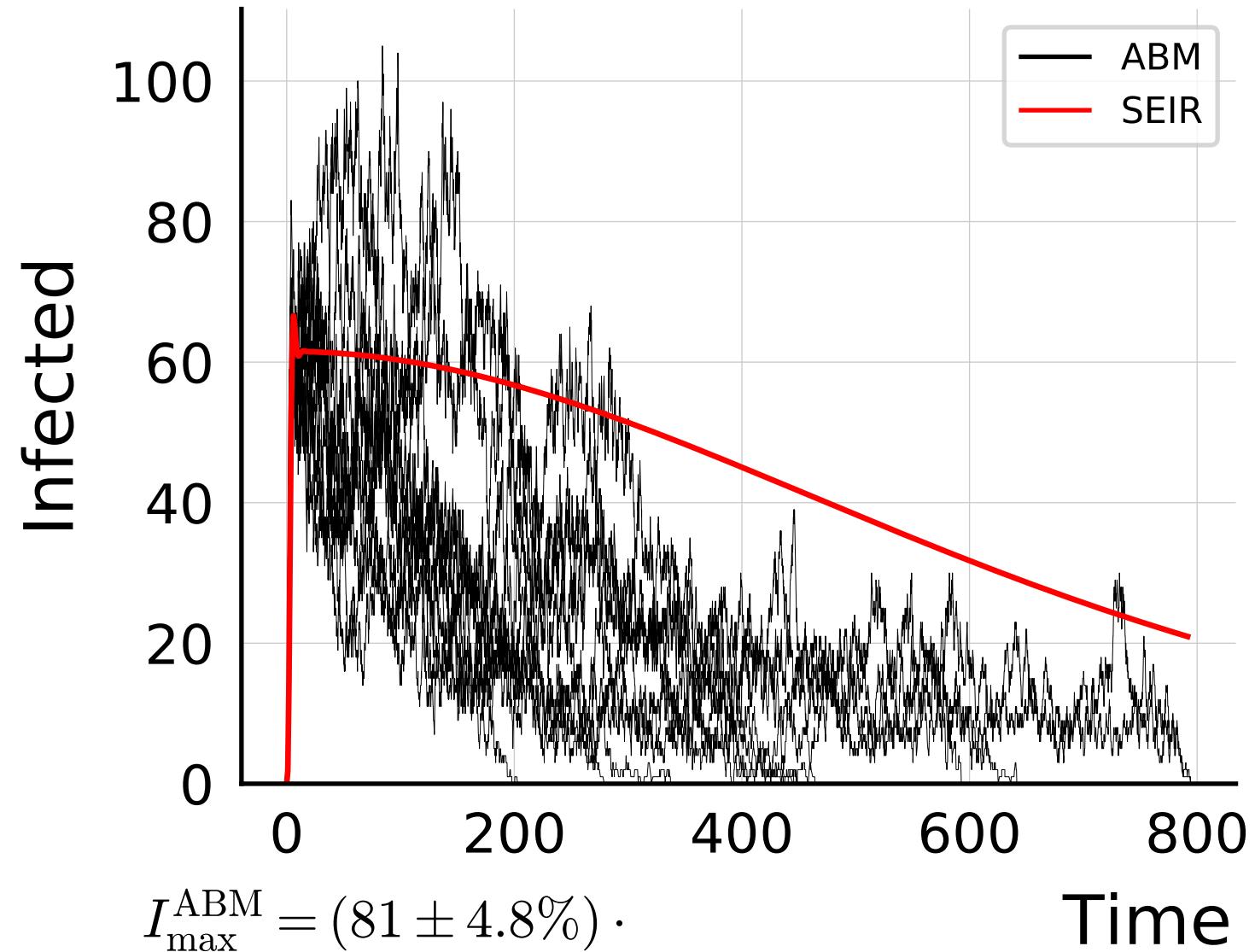
$N_{\text{tot}} = 580K$ ,  $N_{\text{init}} = 100$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 20.0$ ,  $\sigma_\mu = 1.0$ ,  $\beta = 0.04$ ,  $\sigma_\beta = 0.0$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , algo = 2, #10



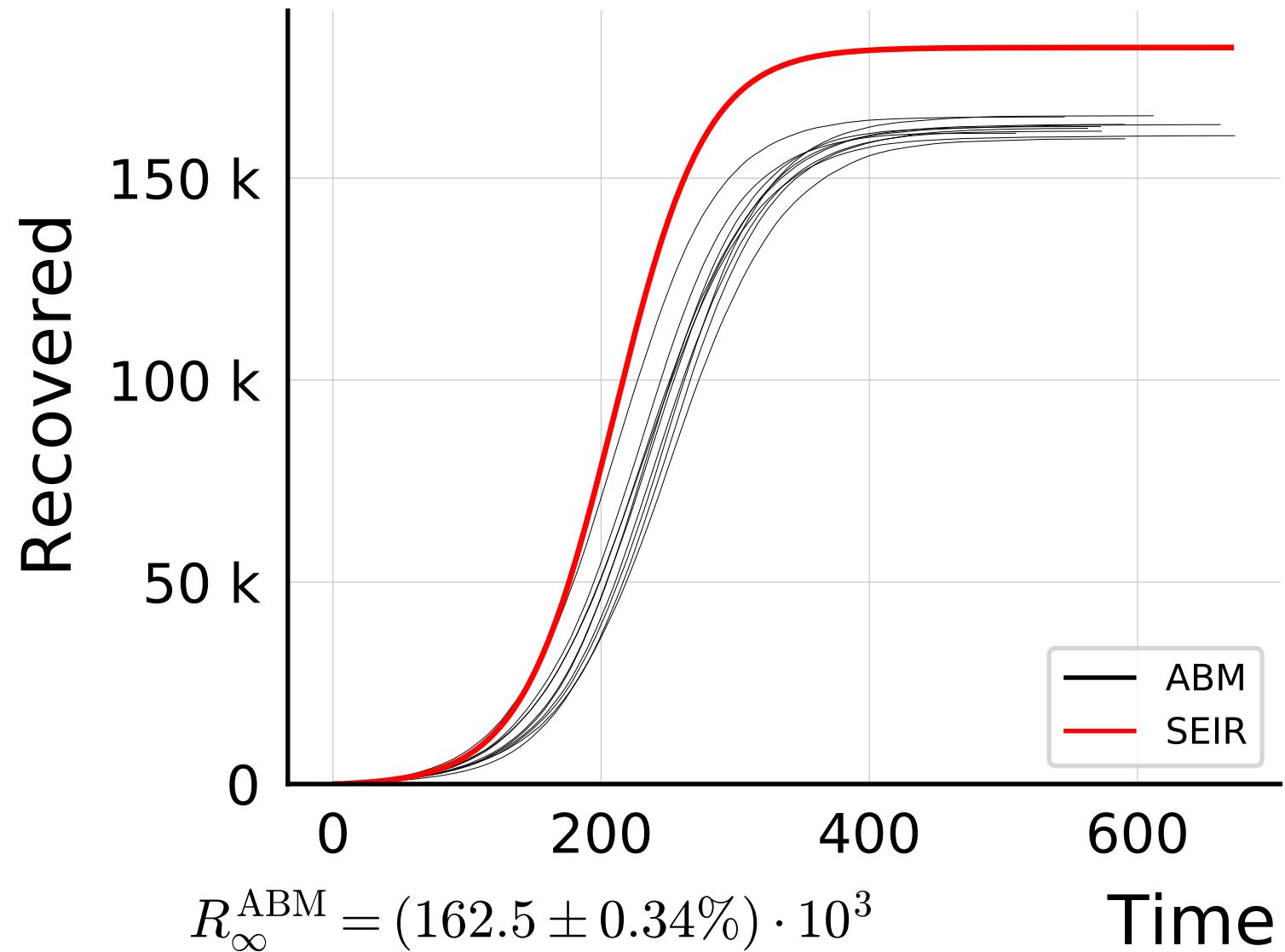
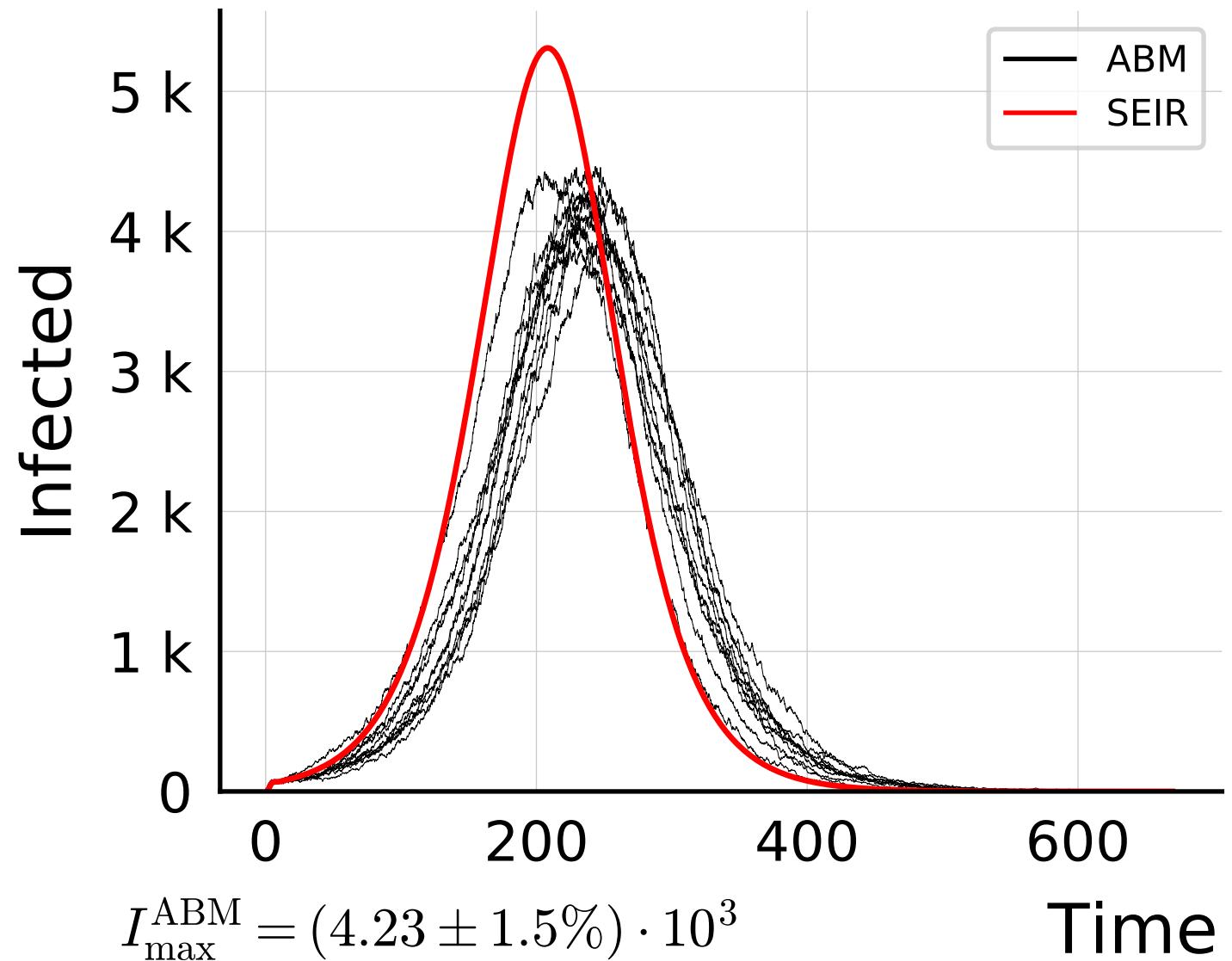
$N_{\text{tot}} = 580K$ ,  $N_{\text{init}} = 100$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 20.0$ ,  $\sigma_\mu = 1.0$ ,  $\beta = 0.04$ ,  $\sigma_\beta = 1.0$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , algo = 2, #10



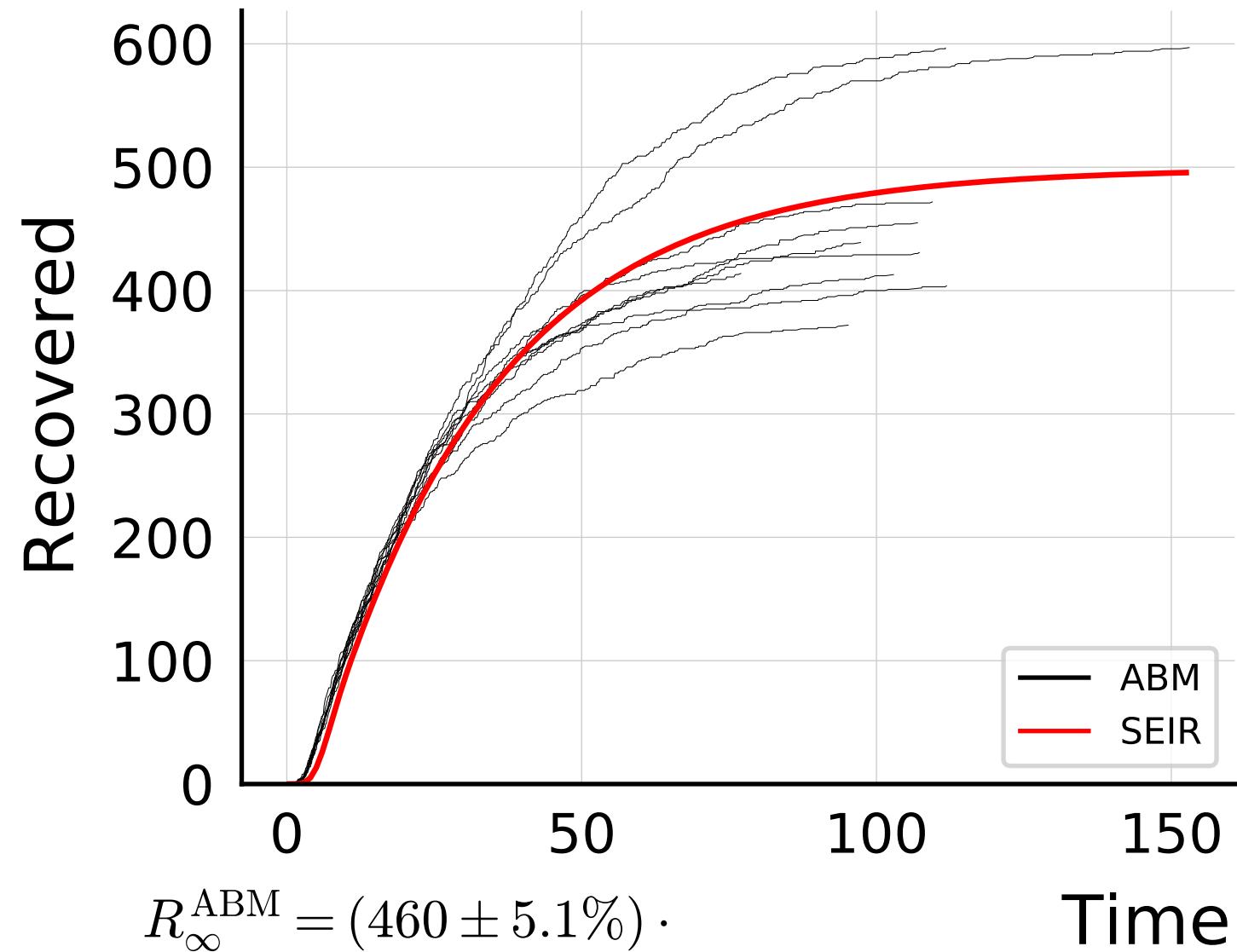
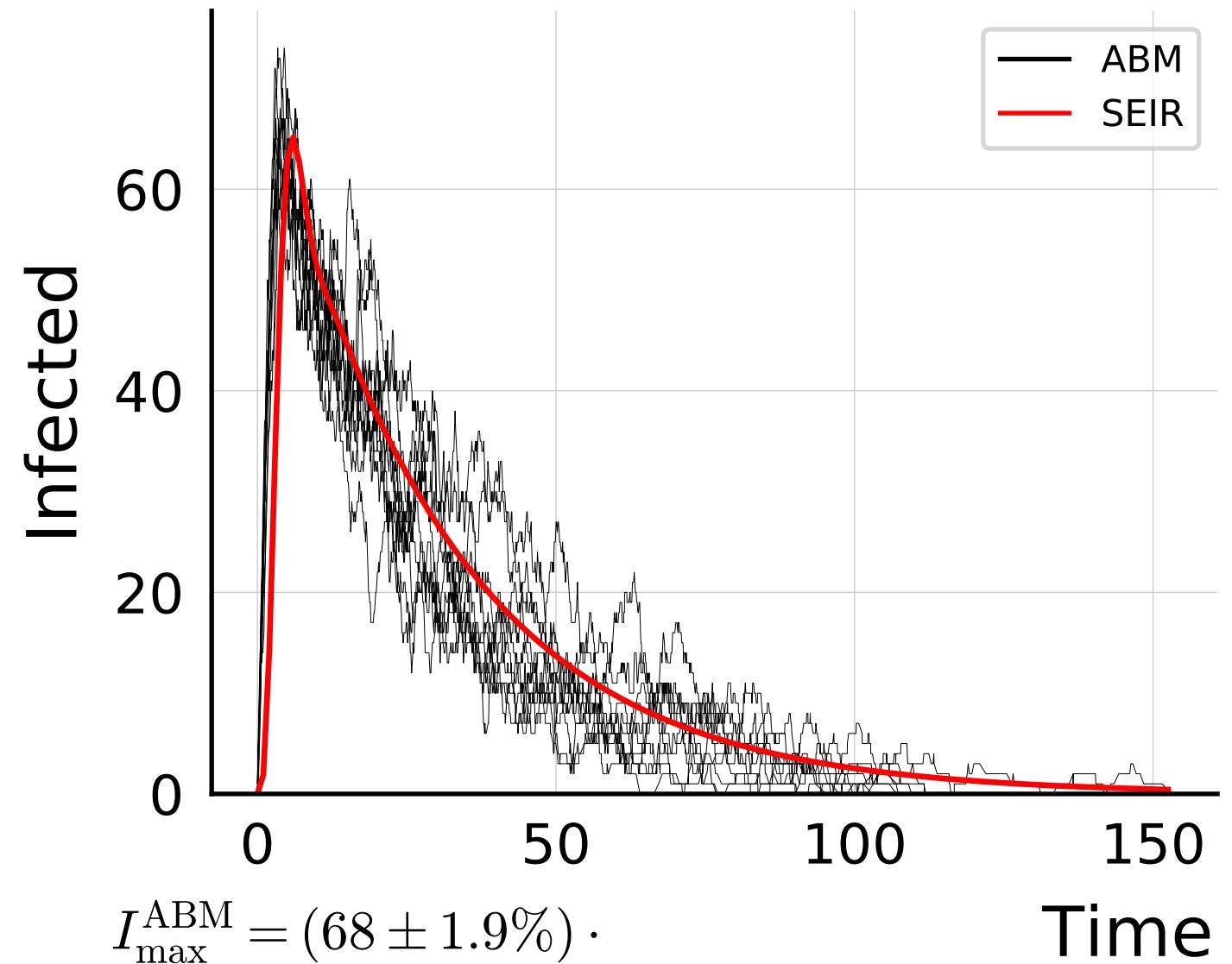
$N_{\text{tot}} = 580K$ ,  $N_{\text{init}} = 100$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 25.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$   
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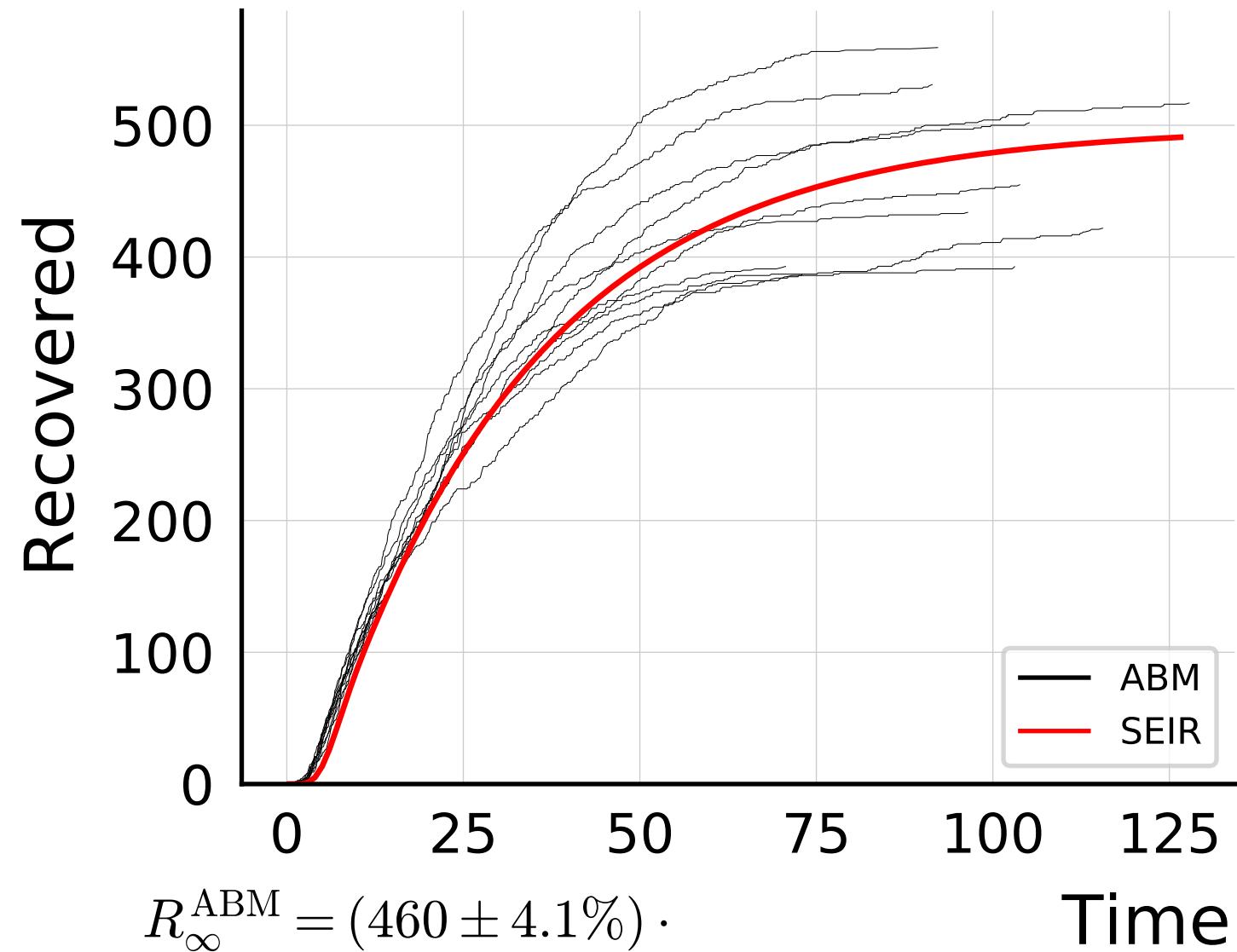
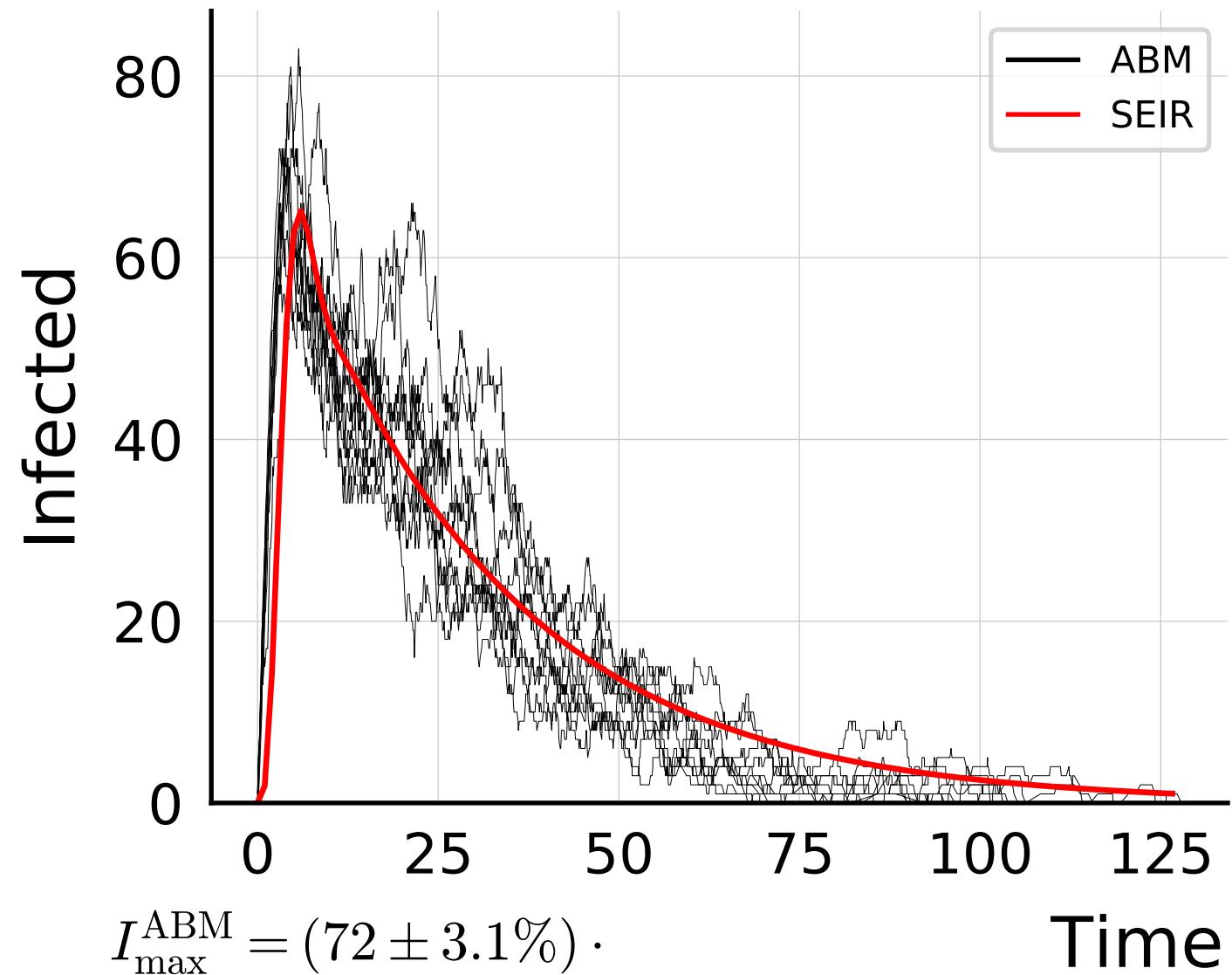
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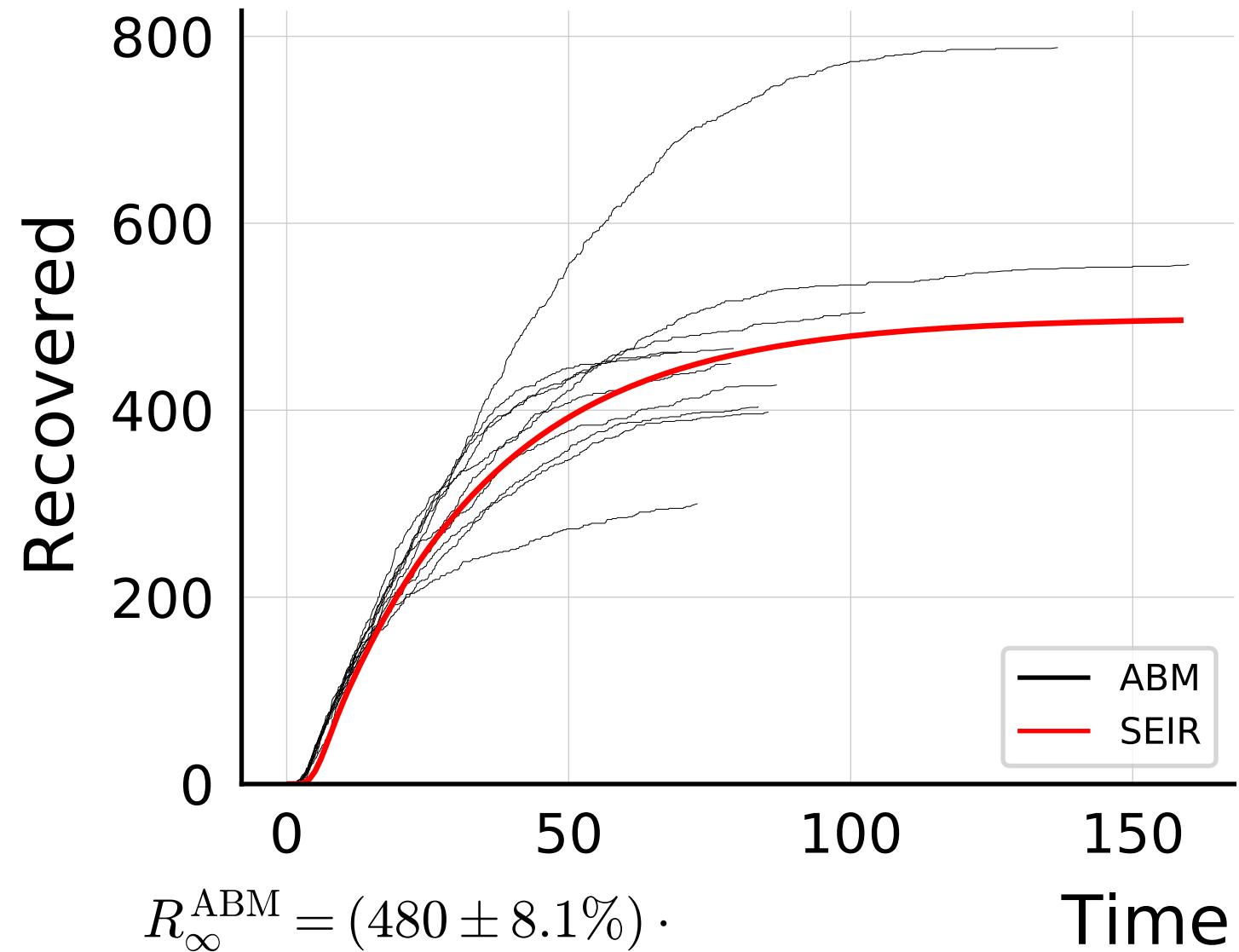
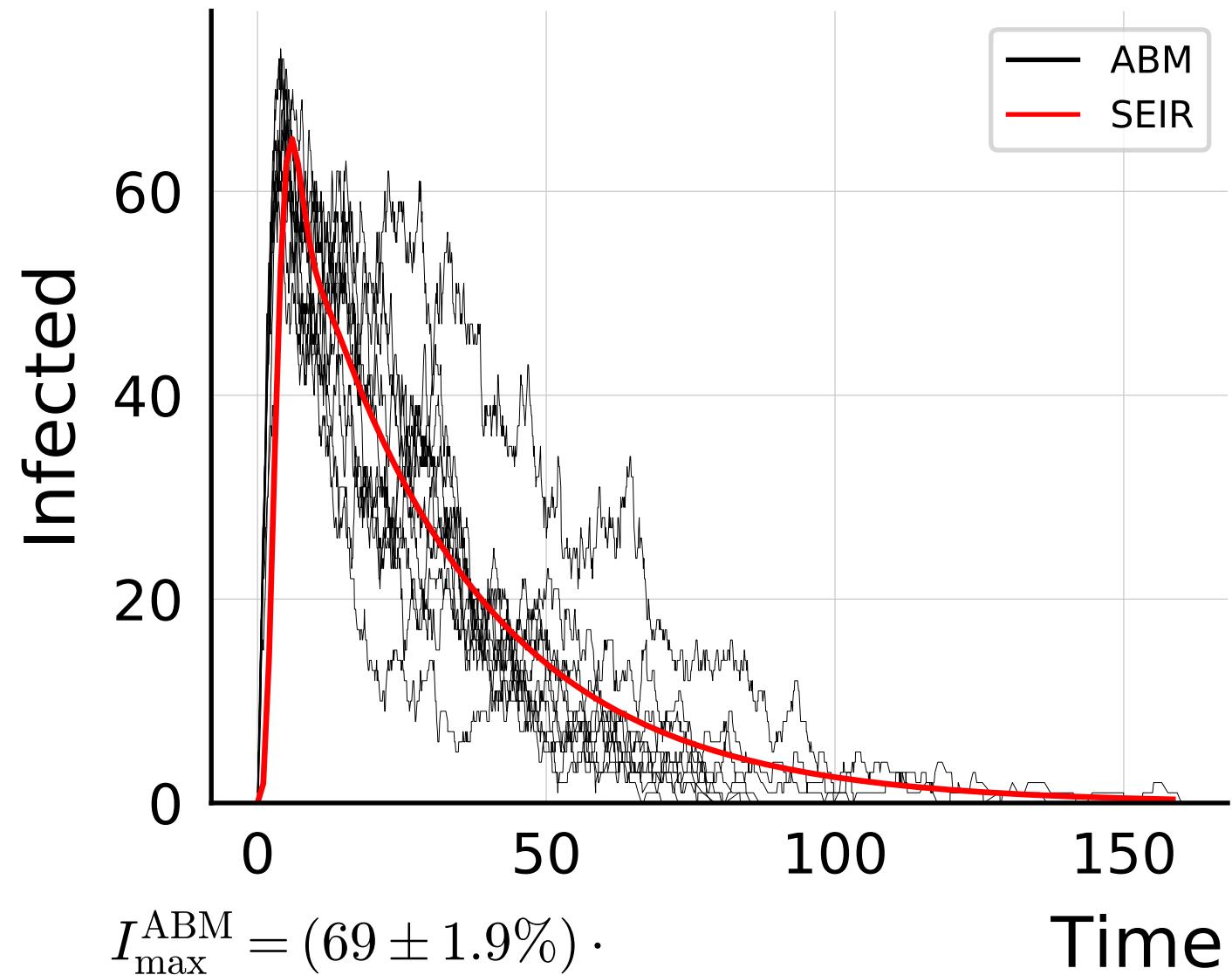
$N_{\text{tot}} = 580K$ ,  $N_{\text{init}} = 100$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.005$ ,  $\sigma_\beta = 0.0$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , algo = 2, #10



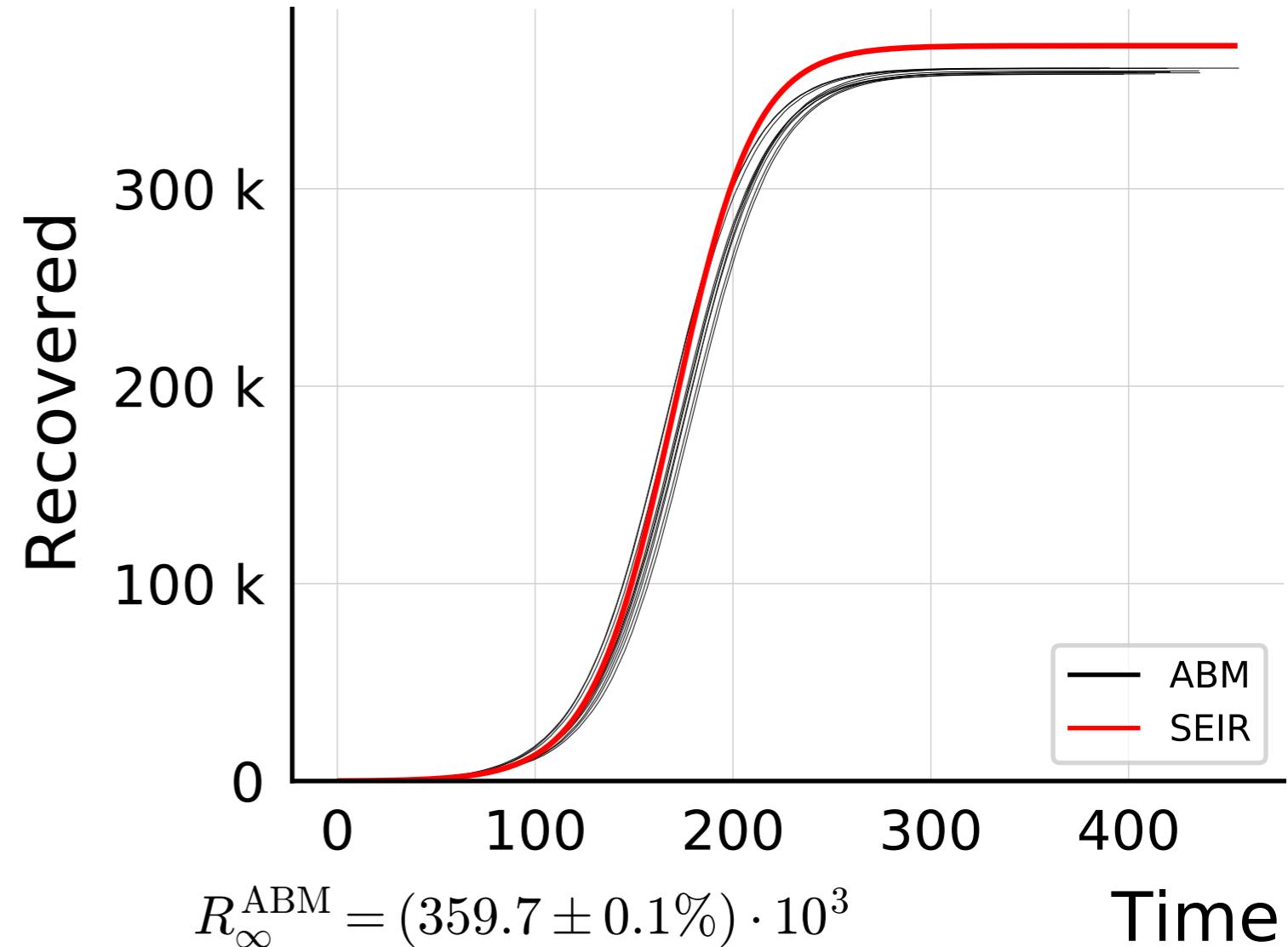
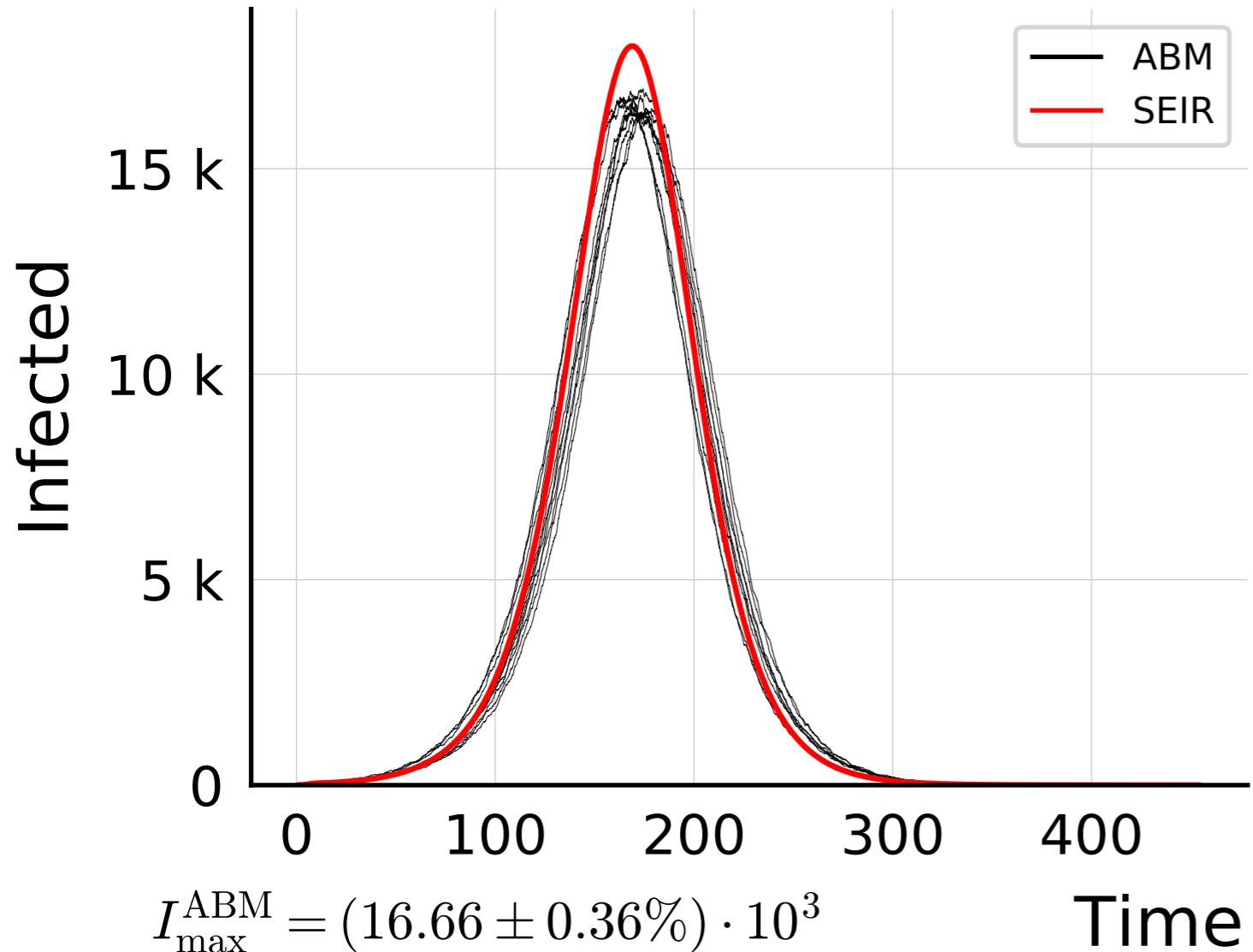
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 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , algo = 2, #10



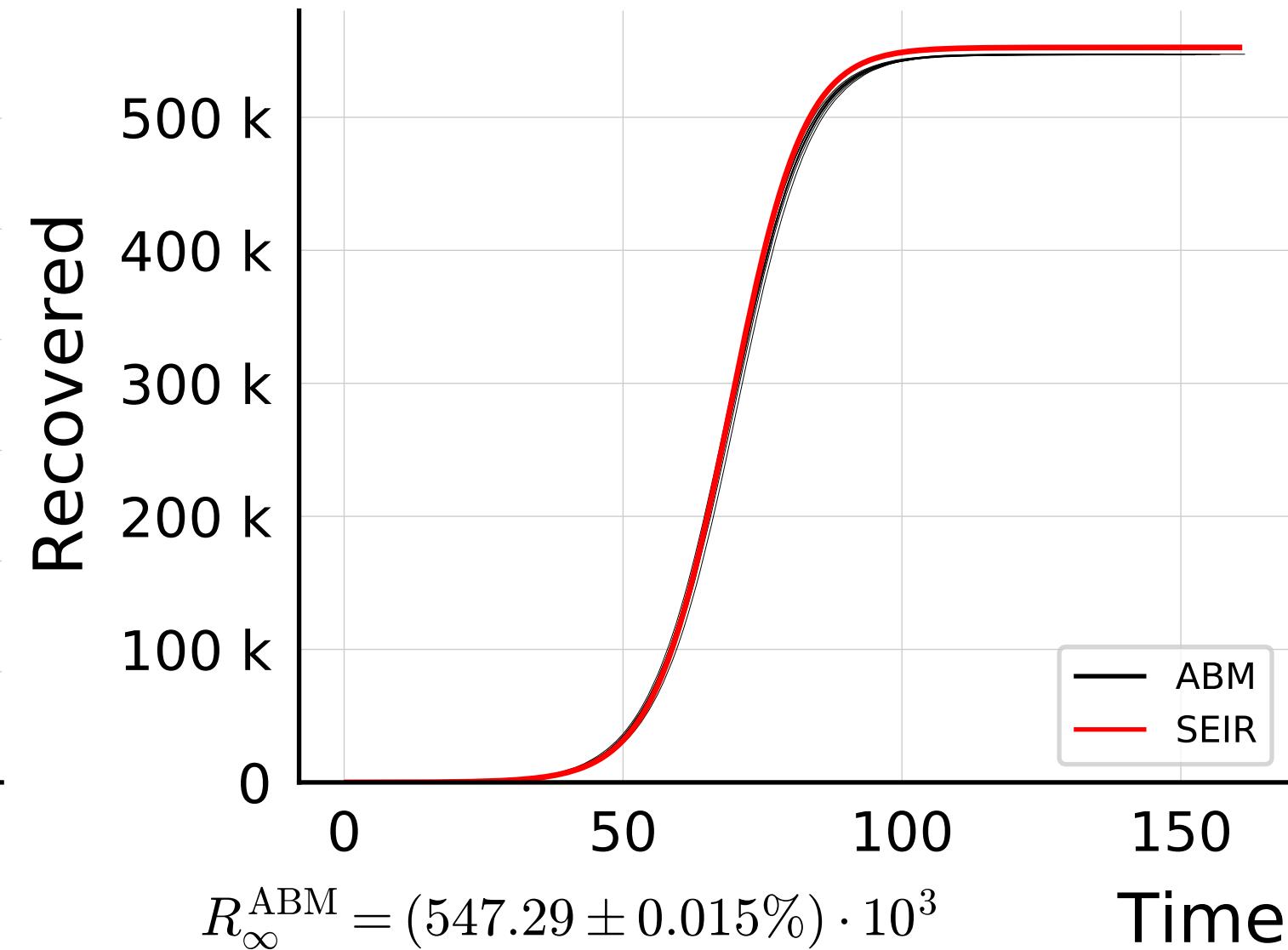
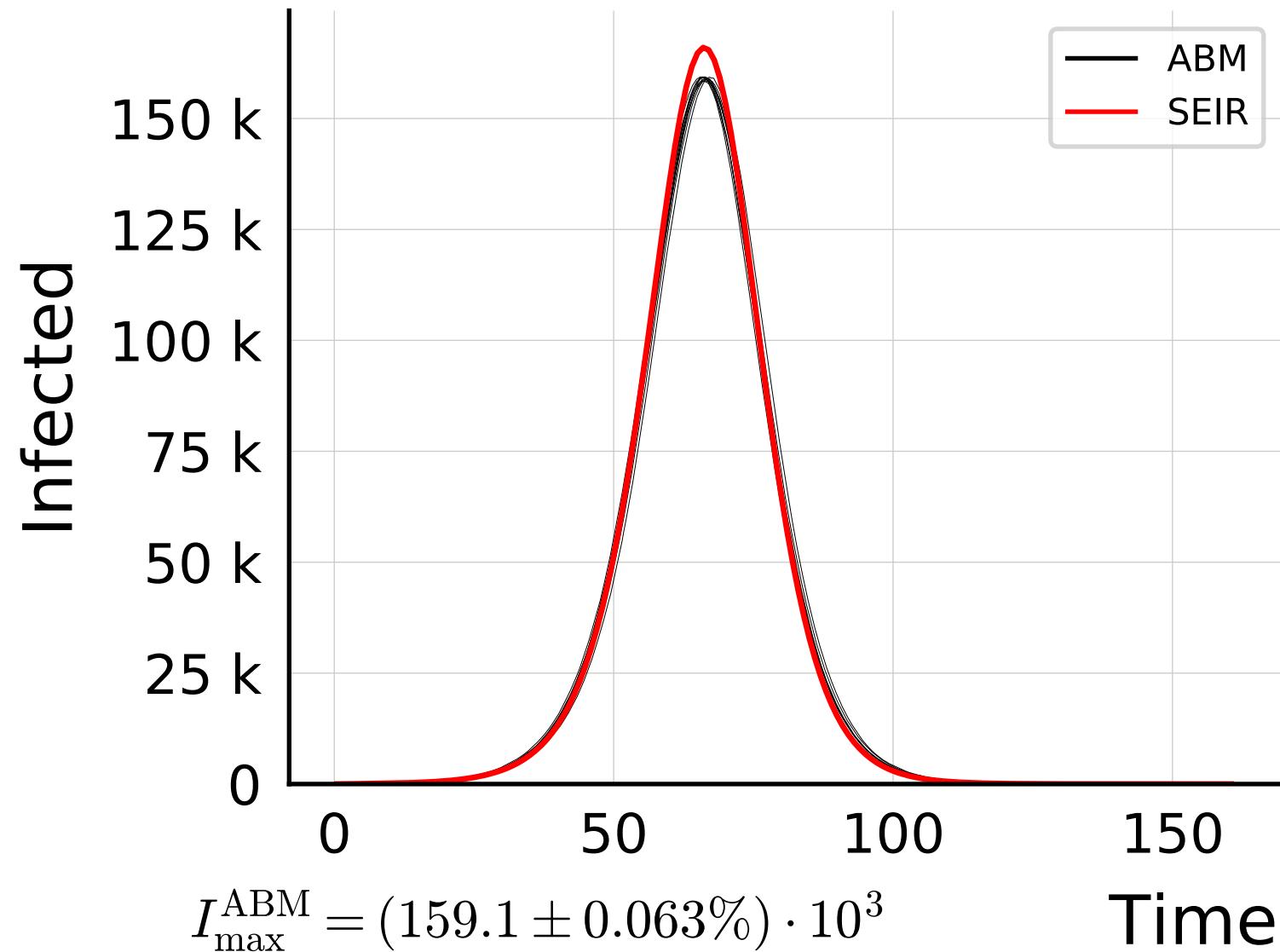
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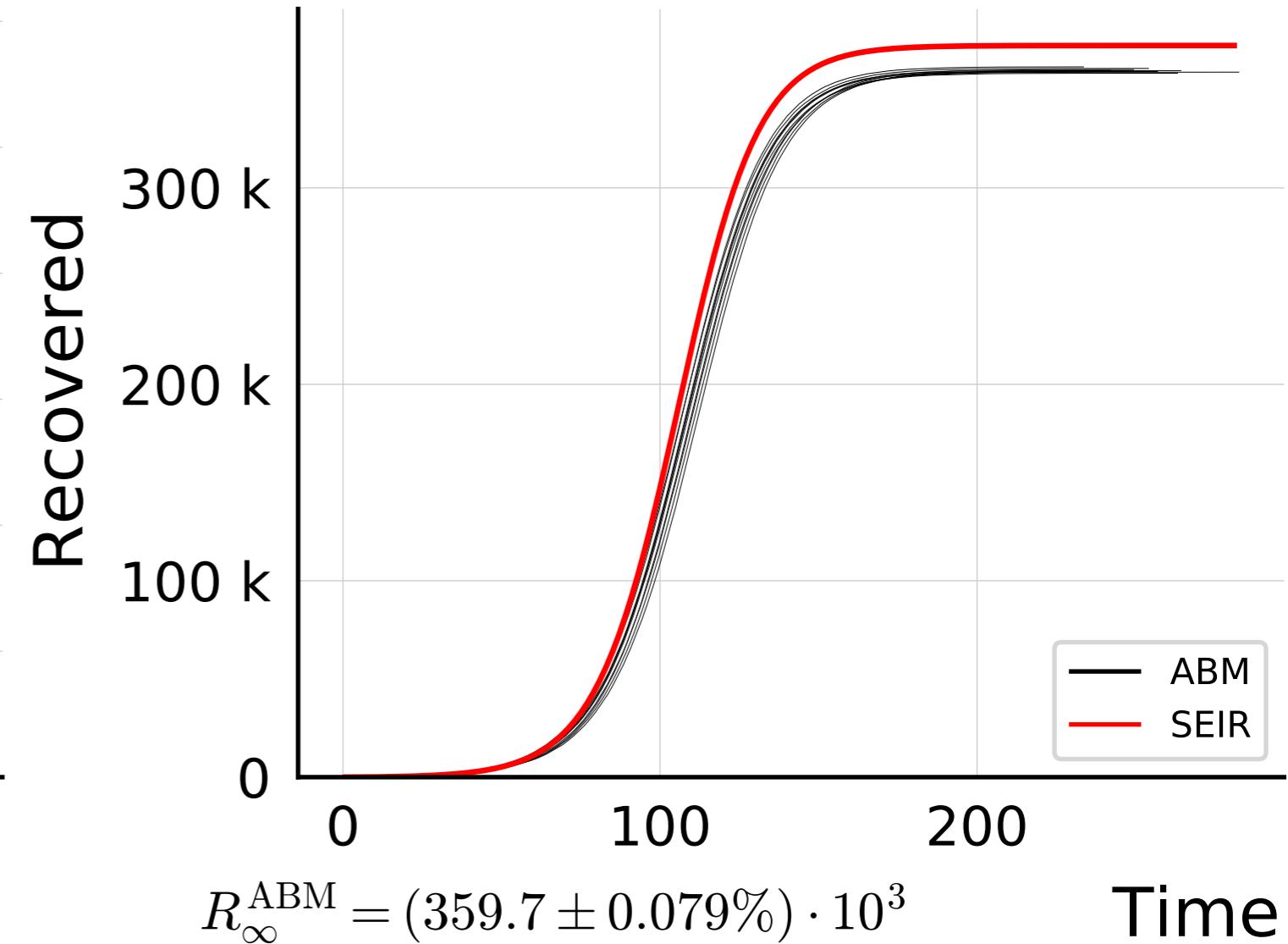
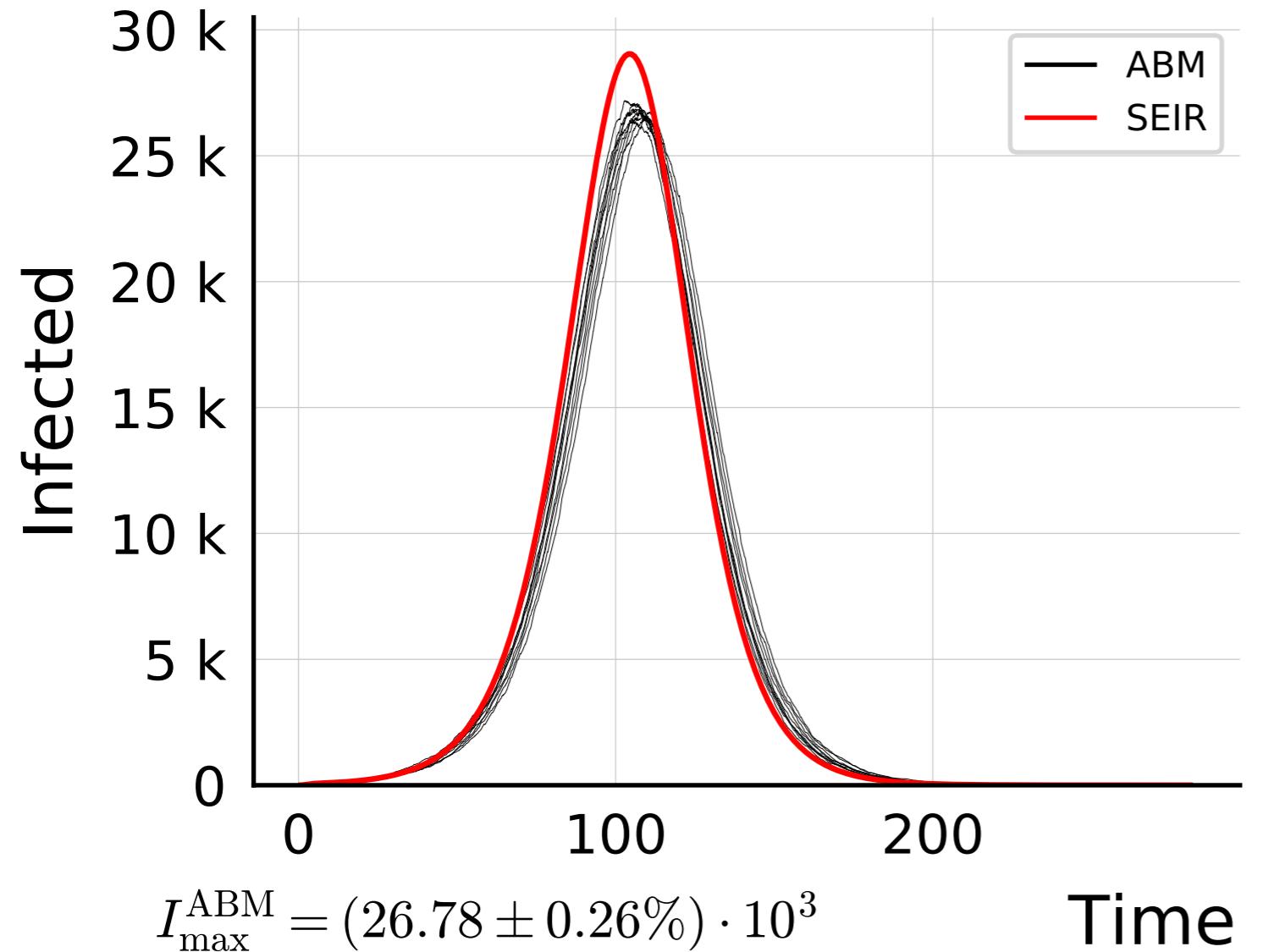
$N_{\text{tot}} = 580K$ ,  $N_{\text{init}} = 100$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$   
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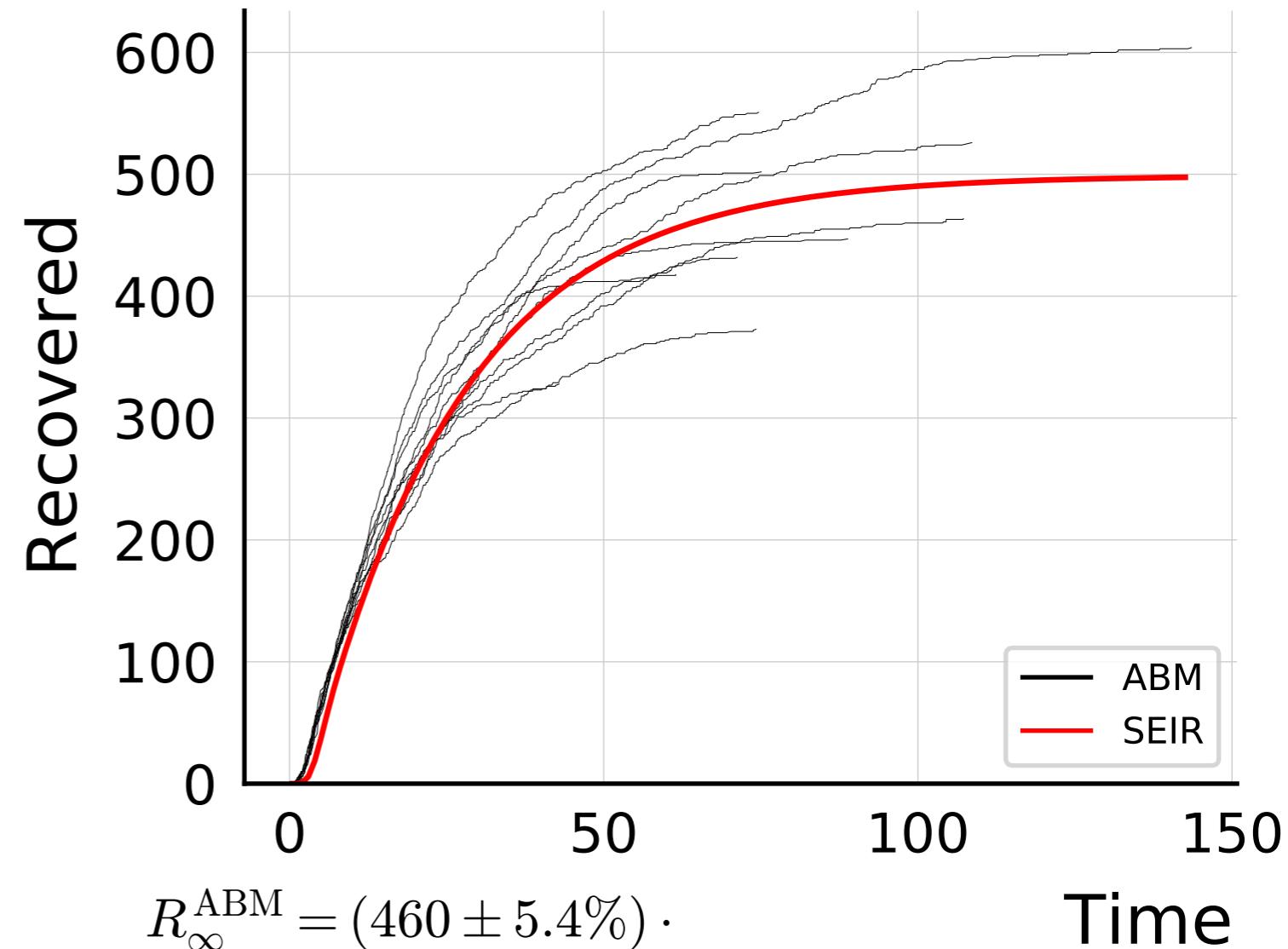
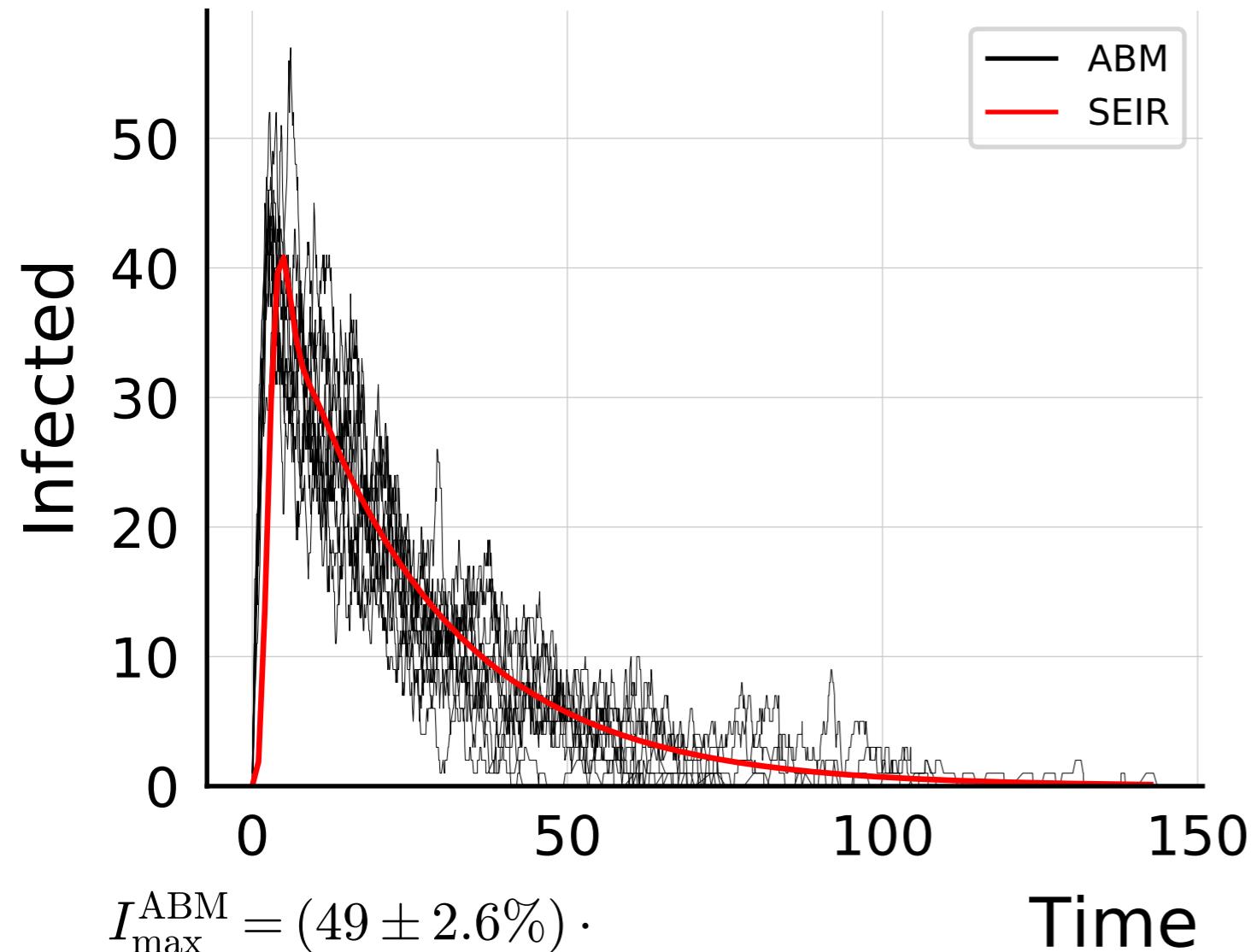
$N_{\text{tot}} = 580K$ ,  $N_{\text{init}} = 100$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 0.5$ , algo = 2, #10



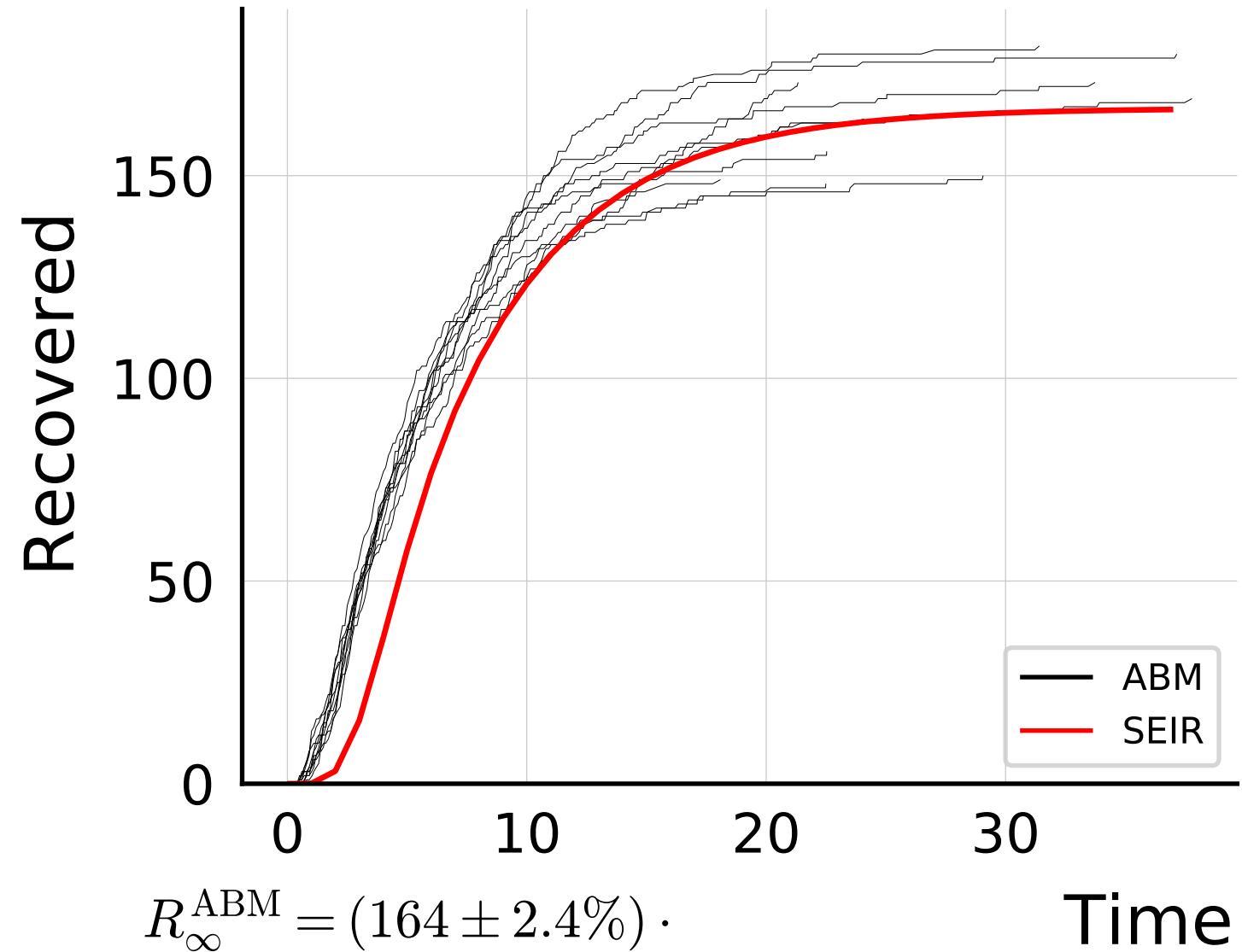
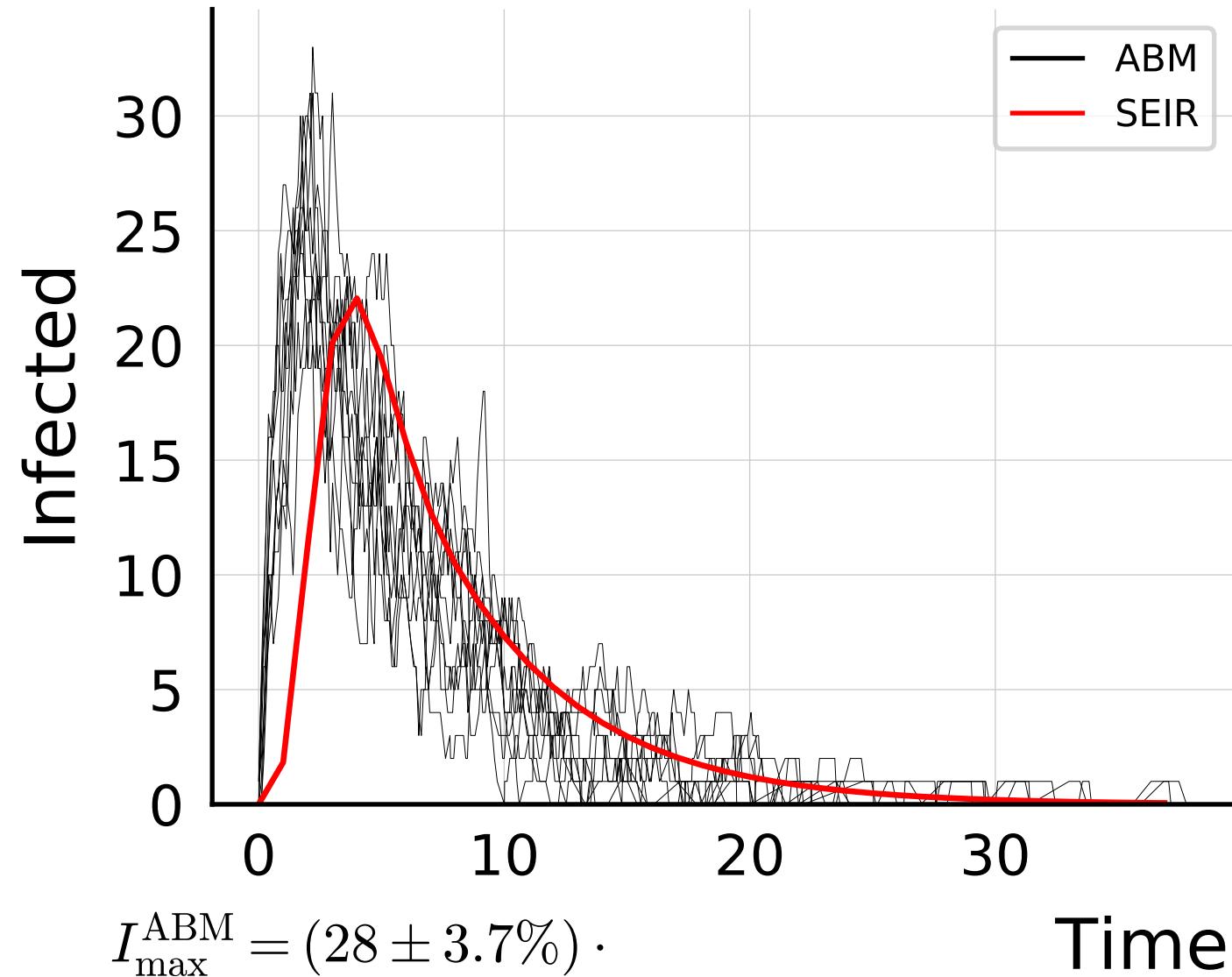
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 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , algo = 2, #10



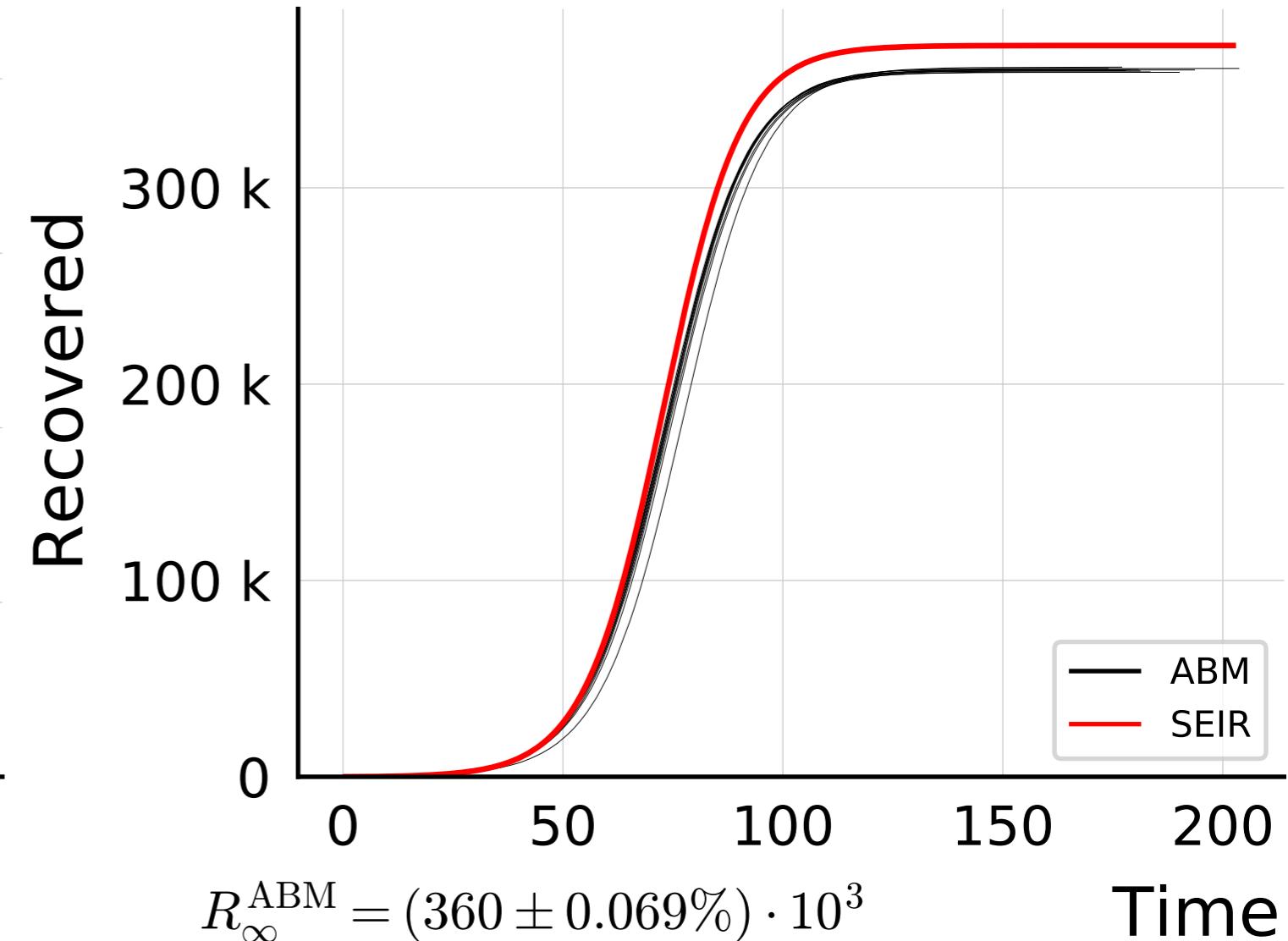
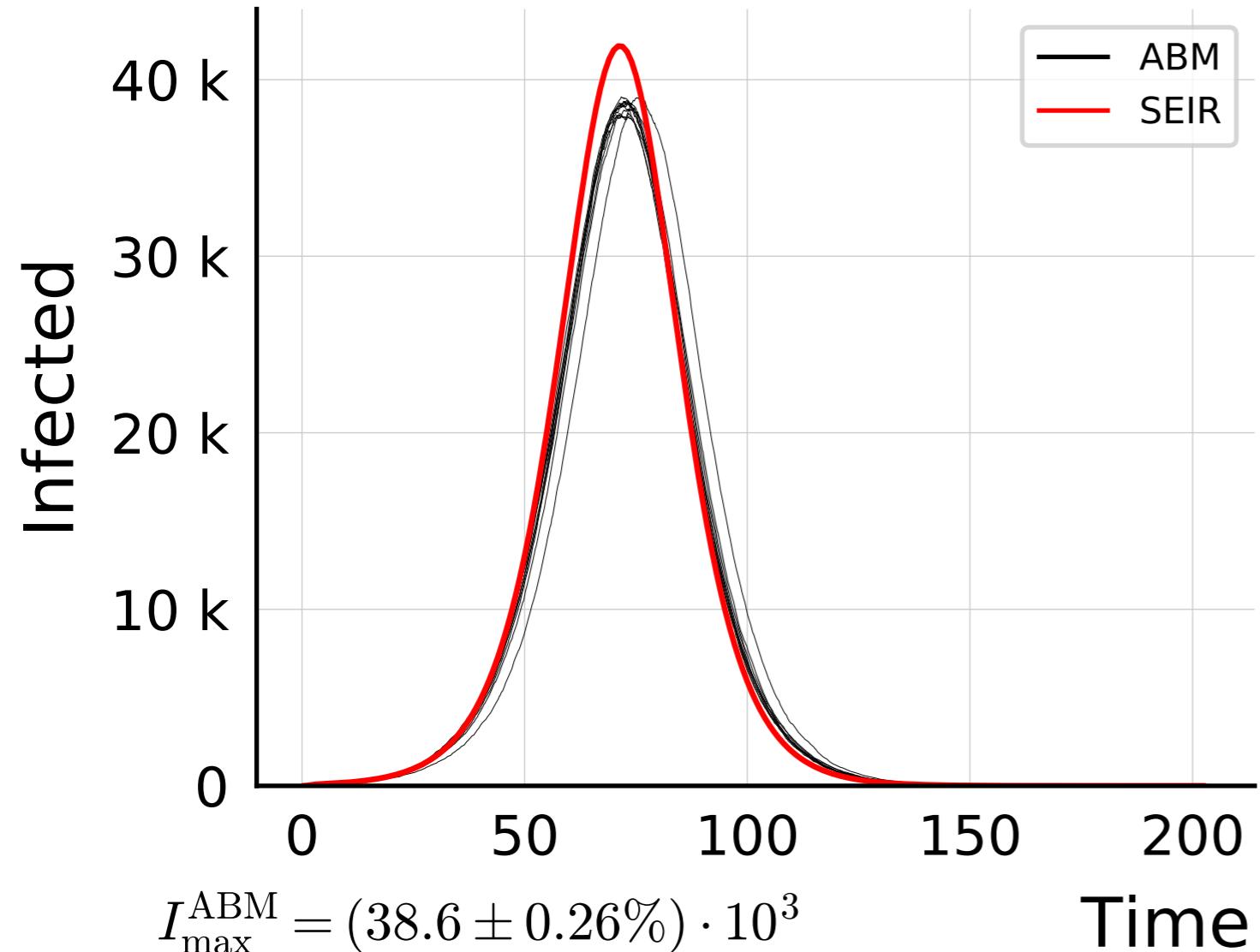
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 $\lambda_E = 1.0$ ,  $\lambda_I = 2.0$ , algo = 2, #10



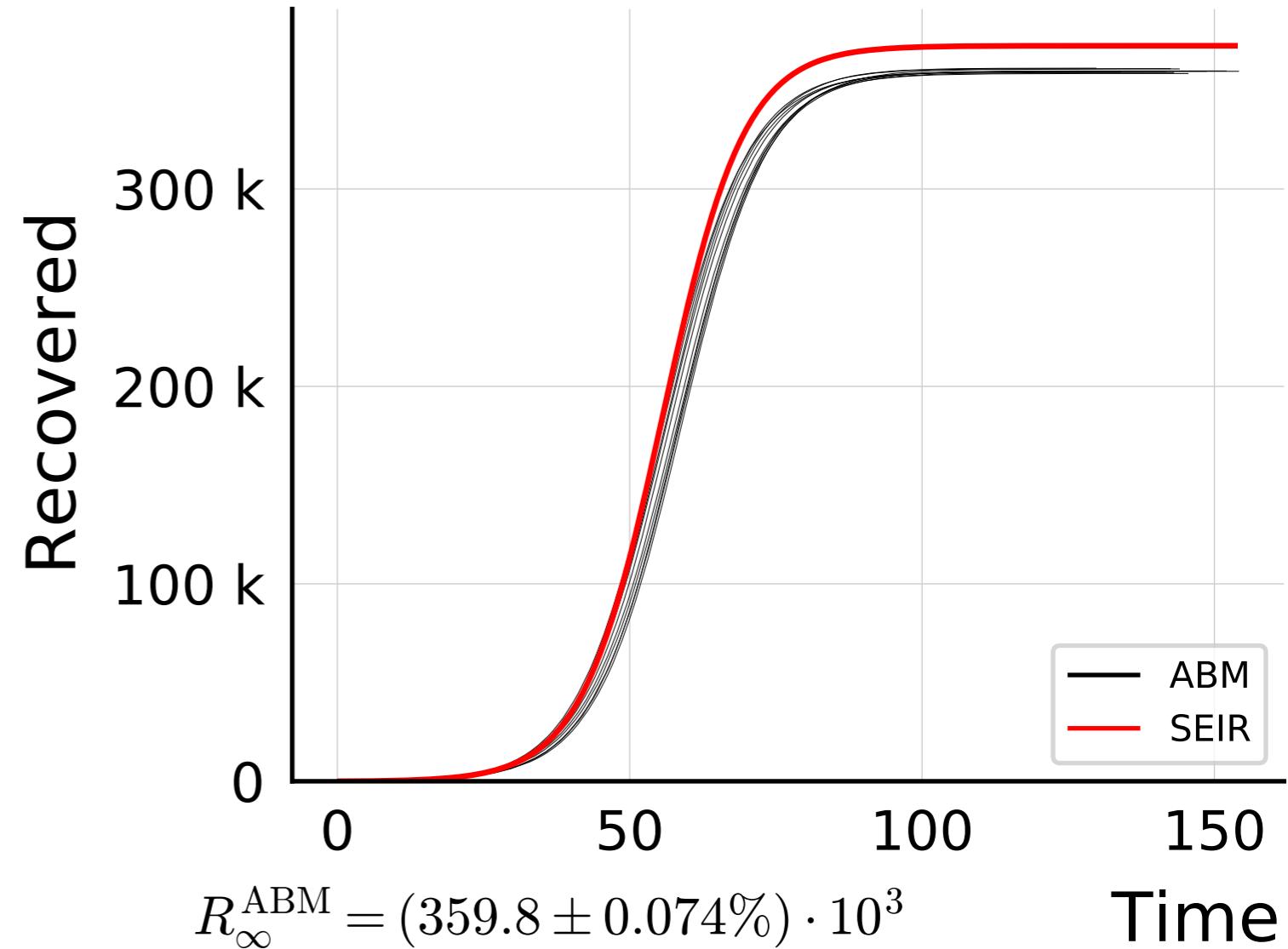
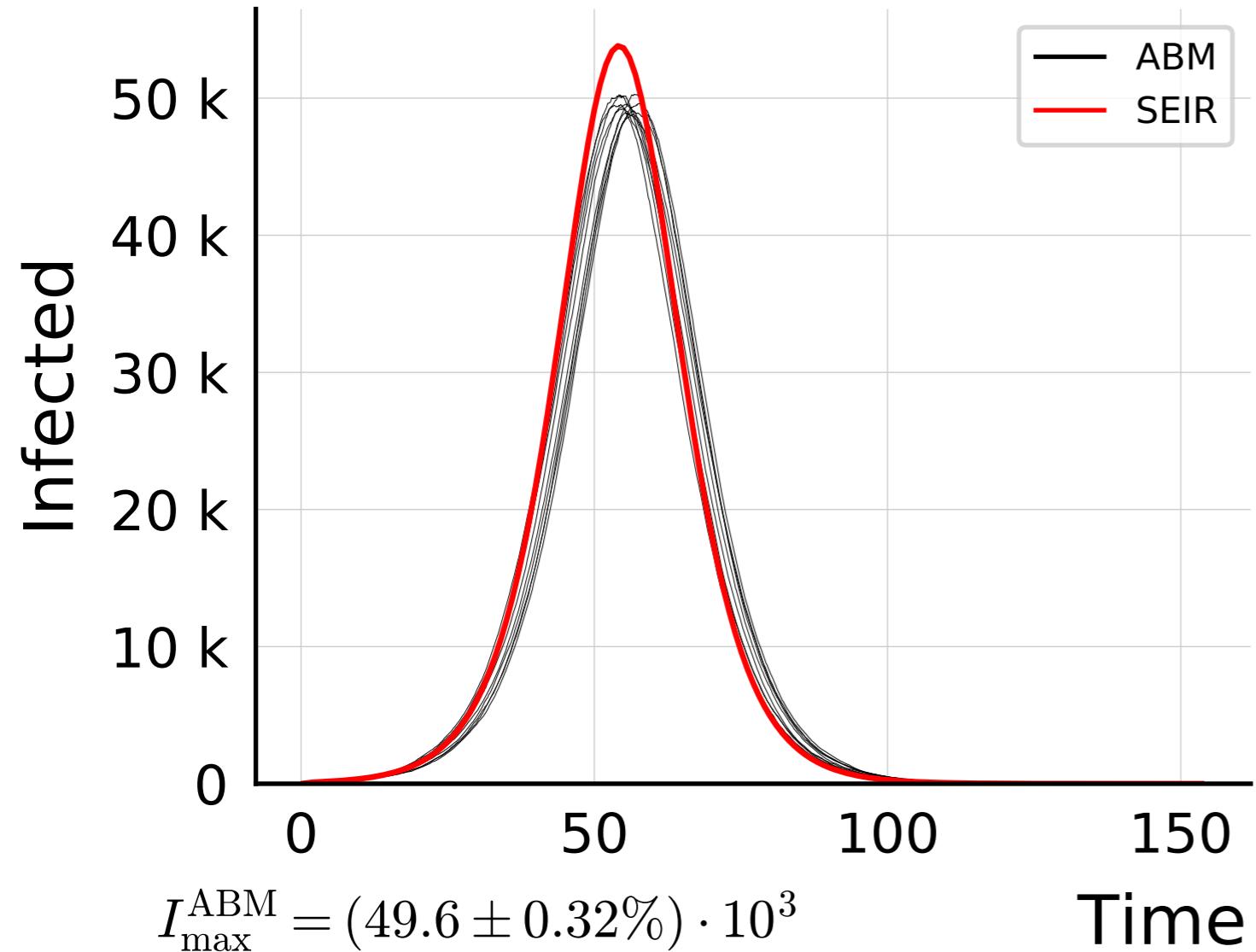
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 $\lambda_E = 1.0$ ,  $\lambda_I = 4.0$ , algo = 2, #10



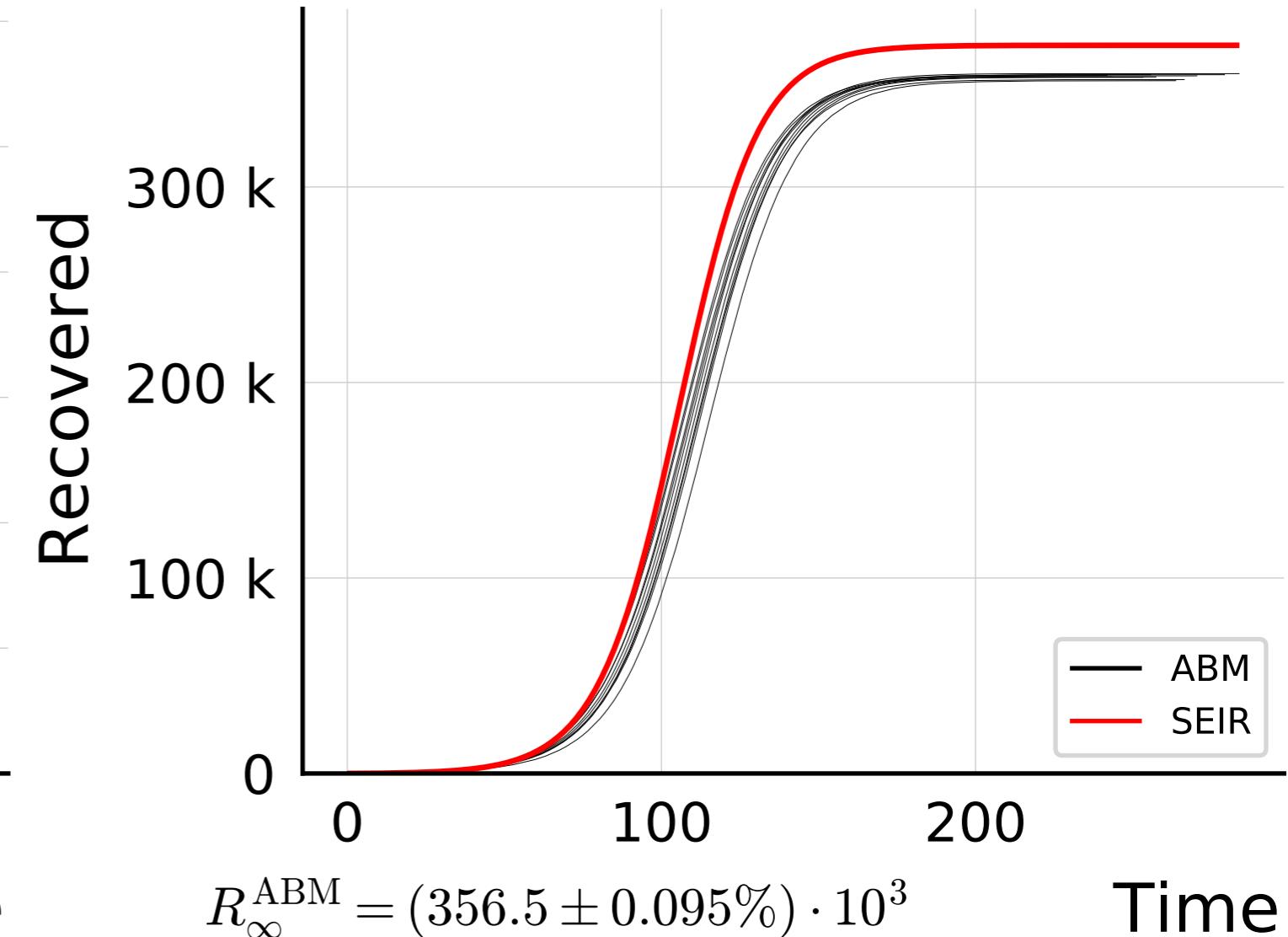
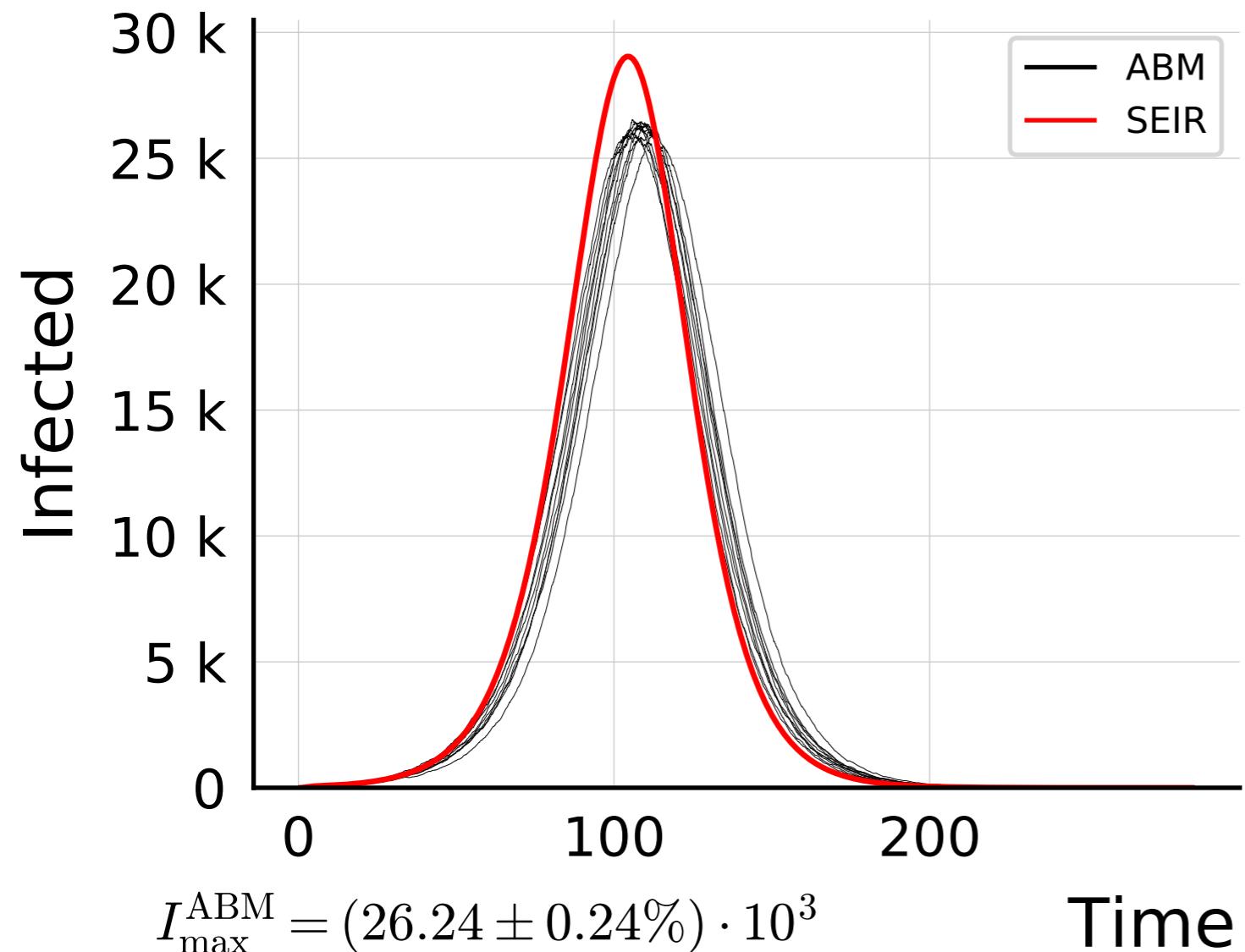
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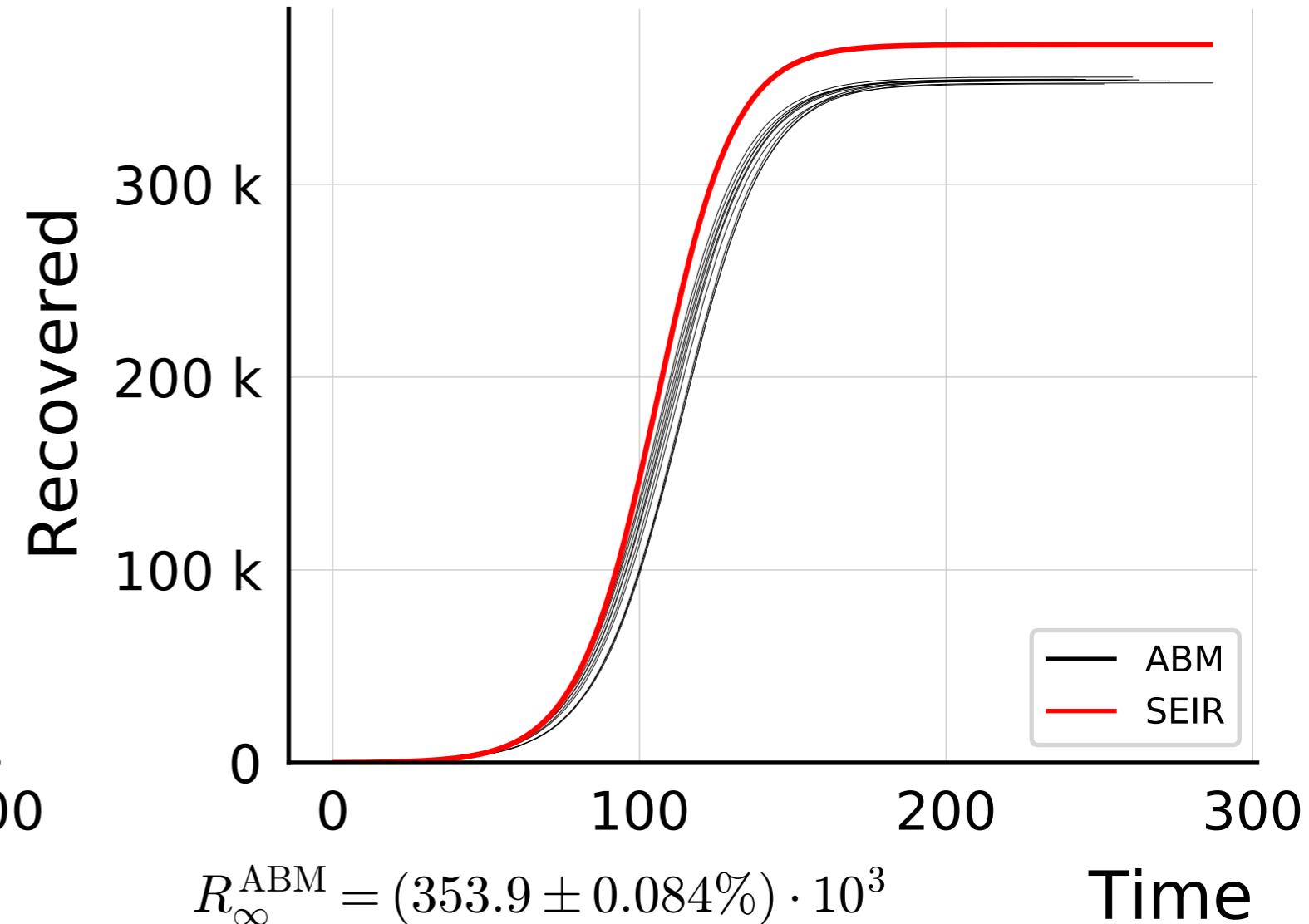
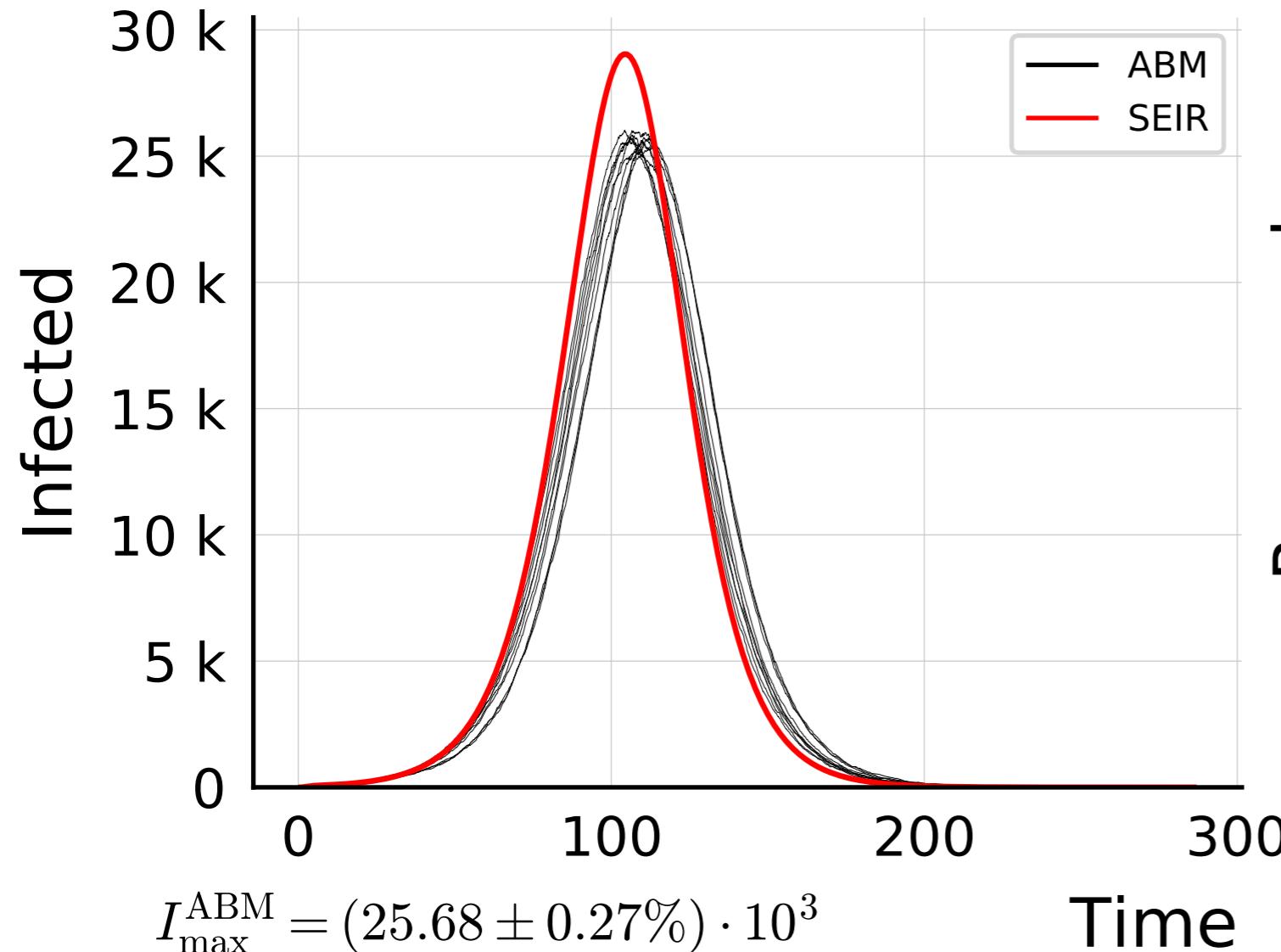
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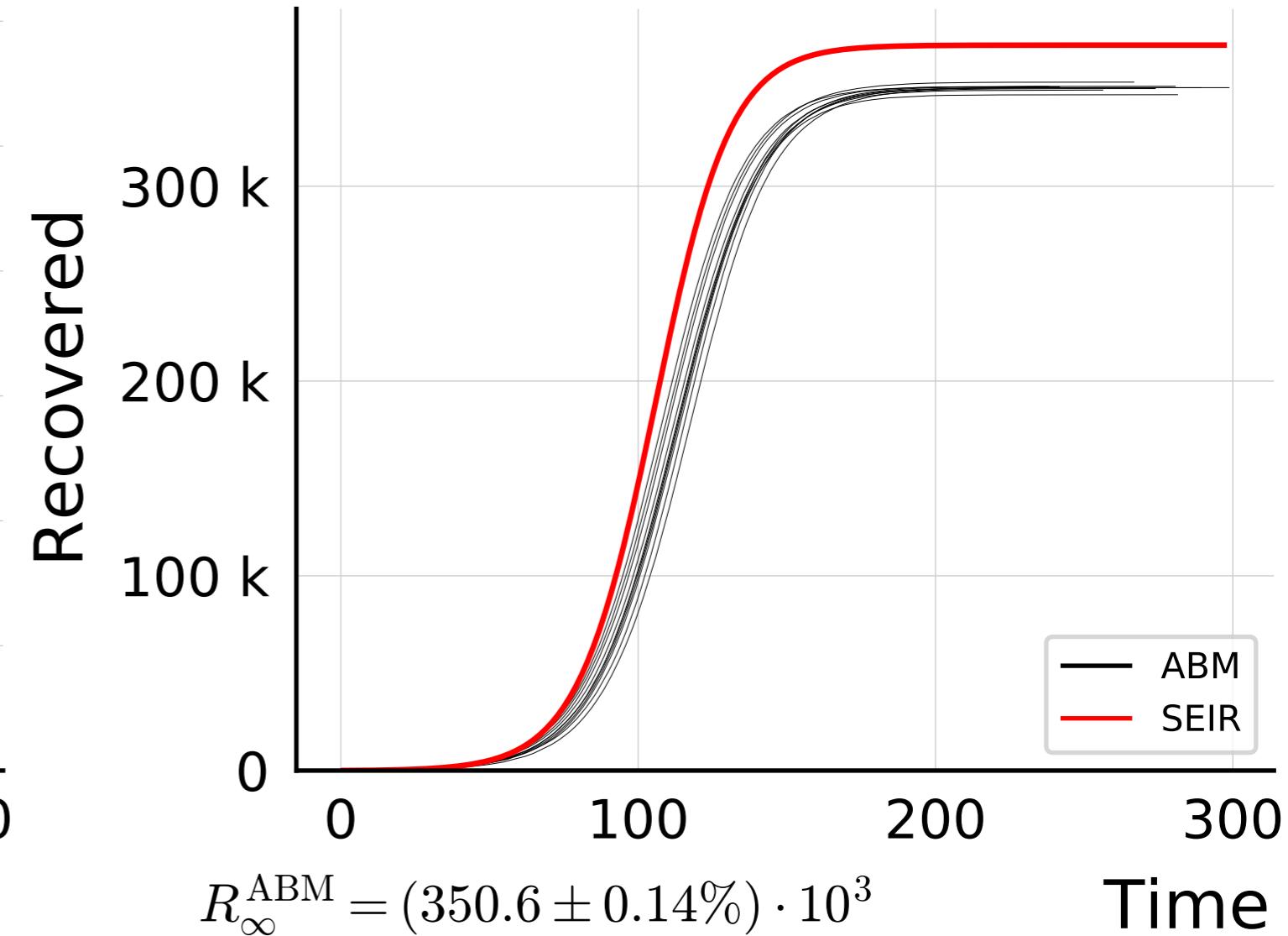
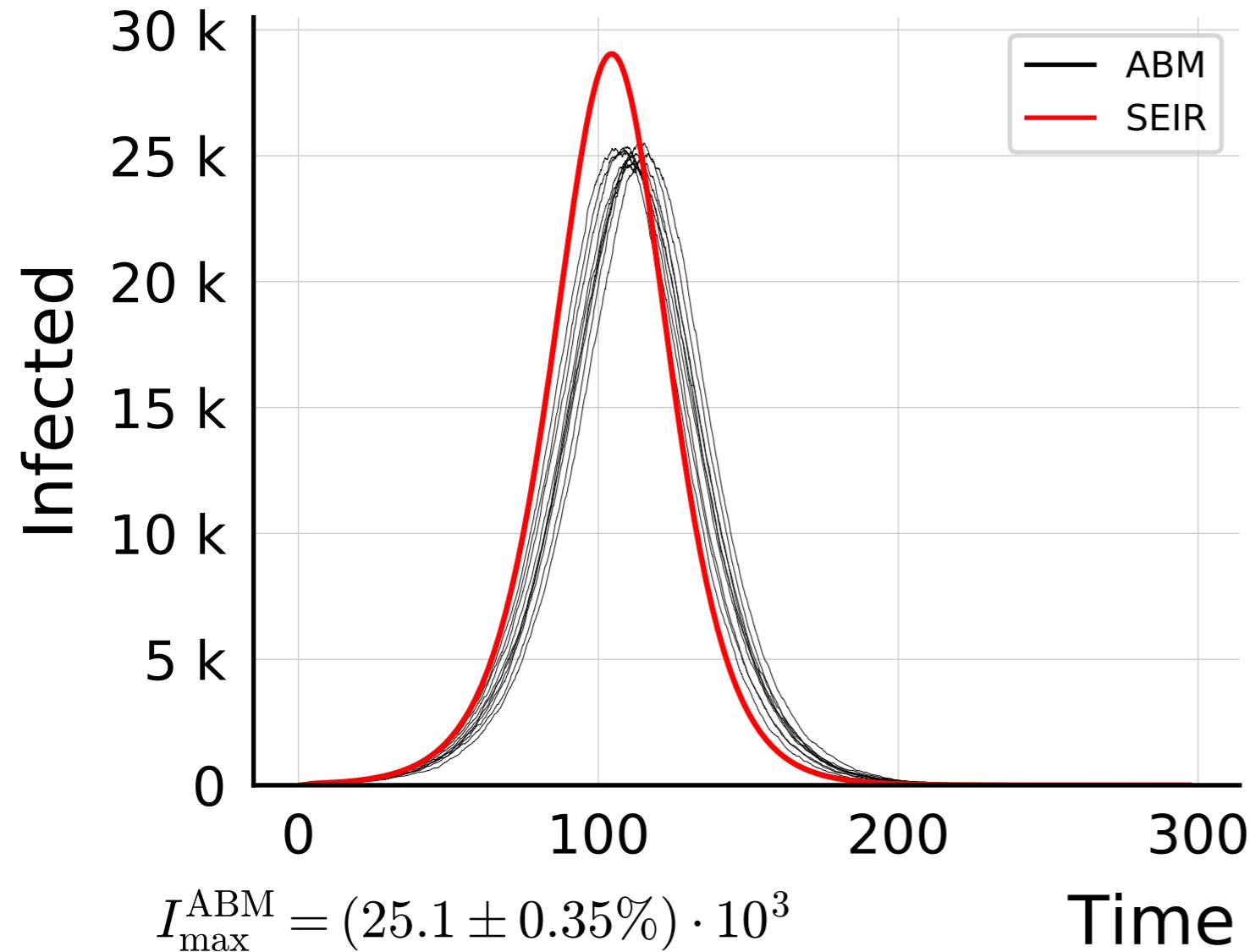
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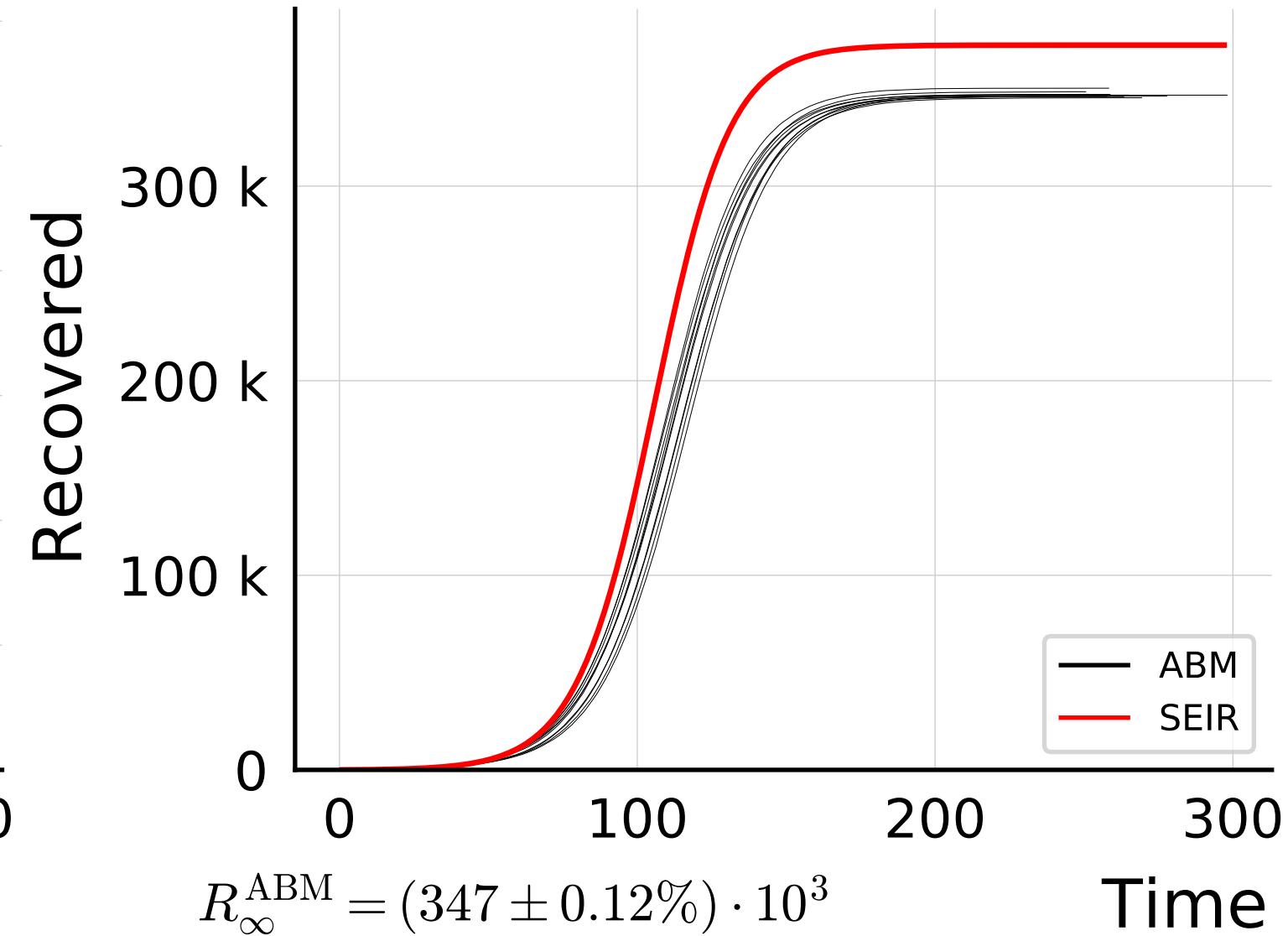
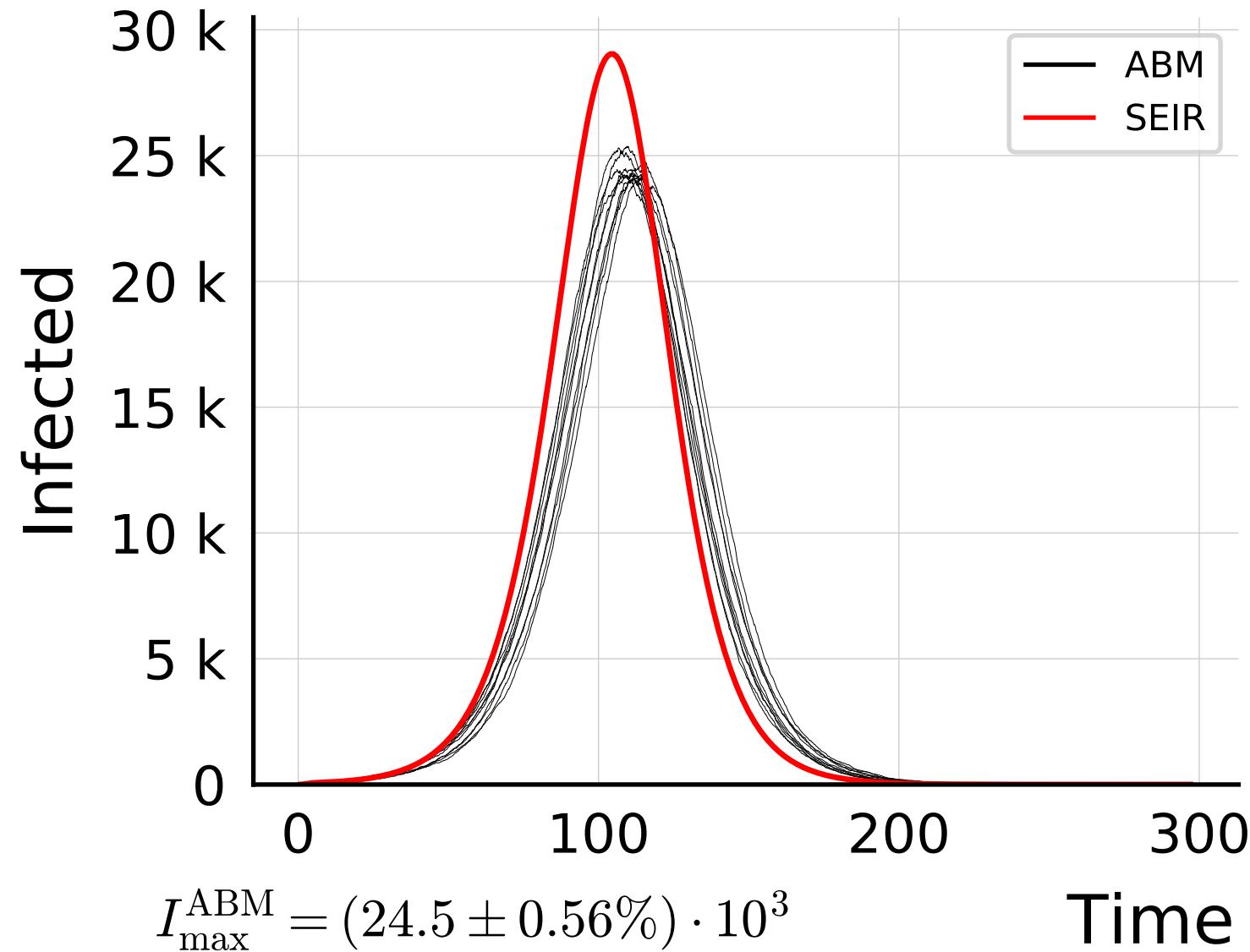
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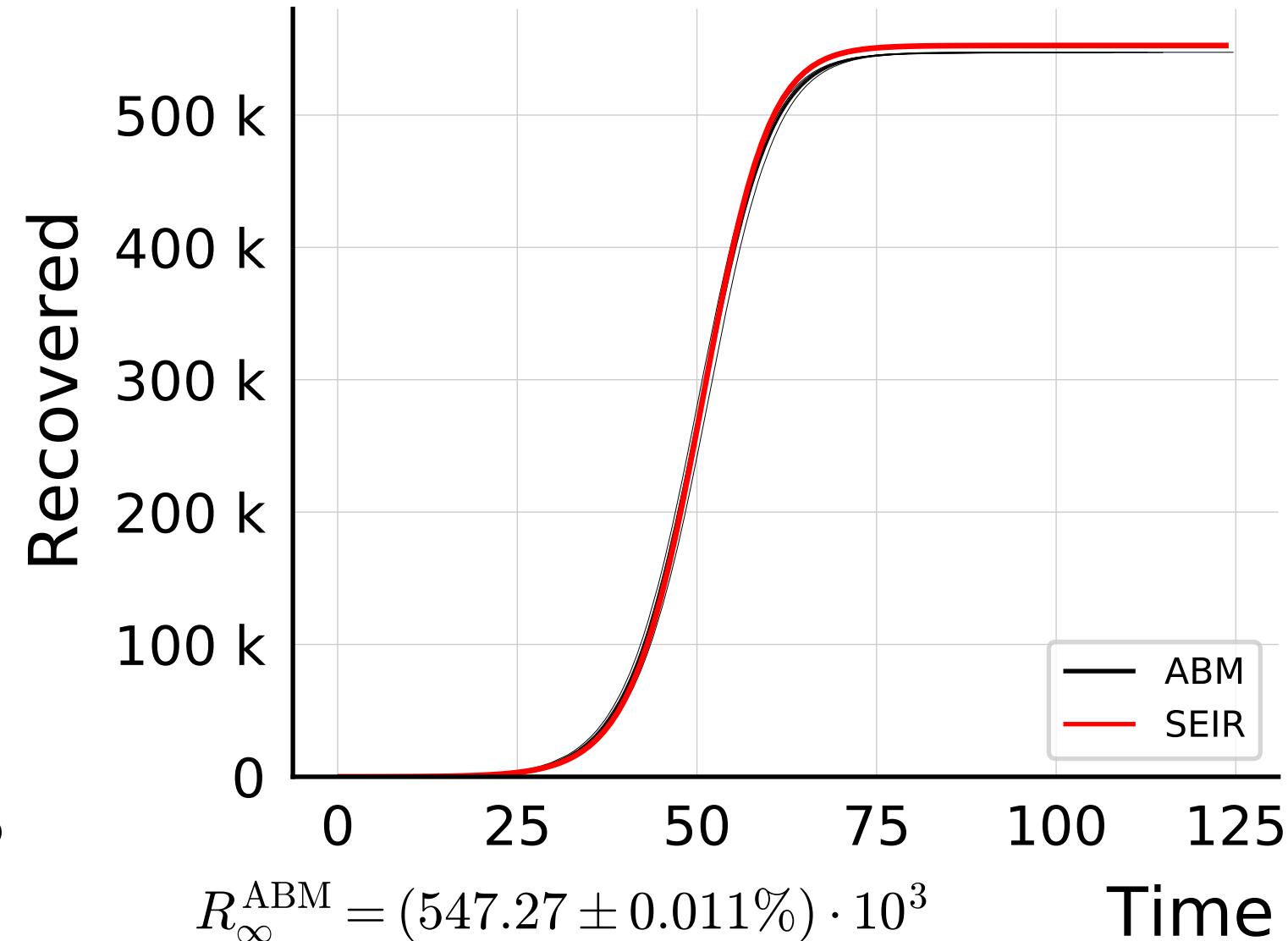
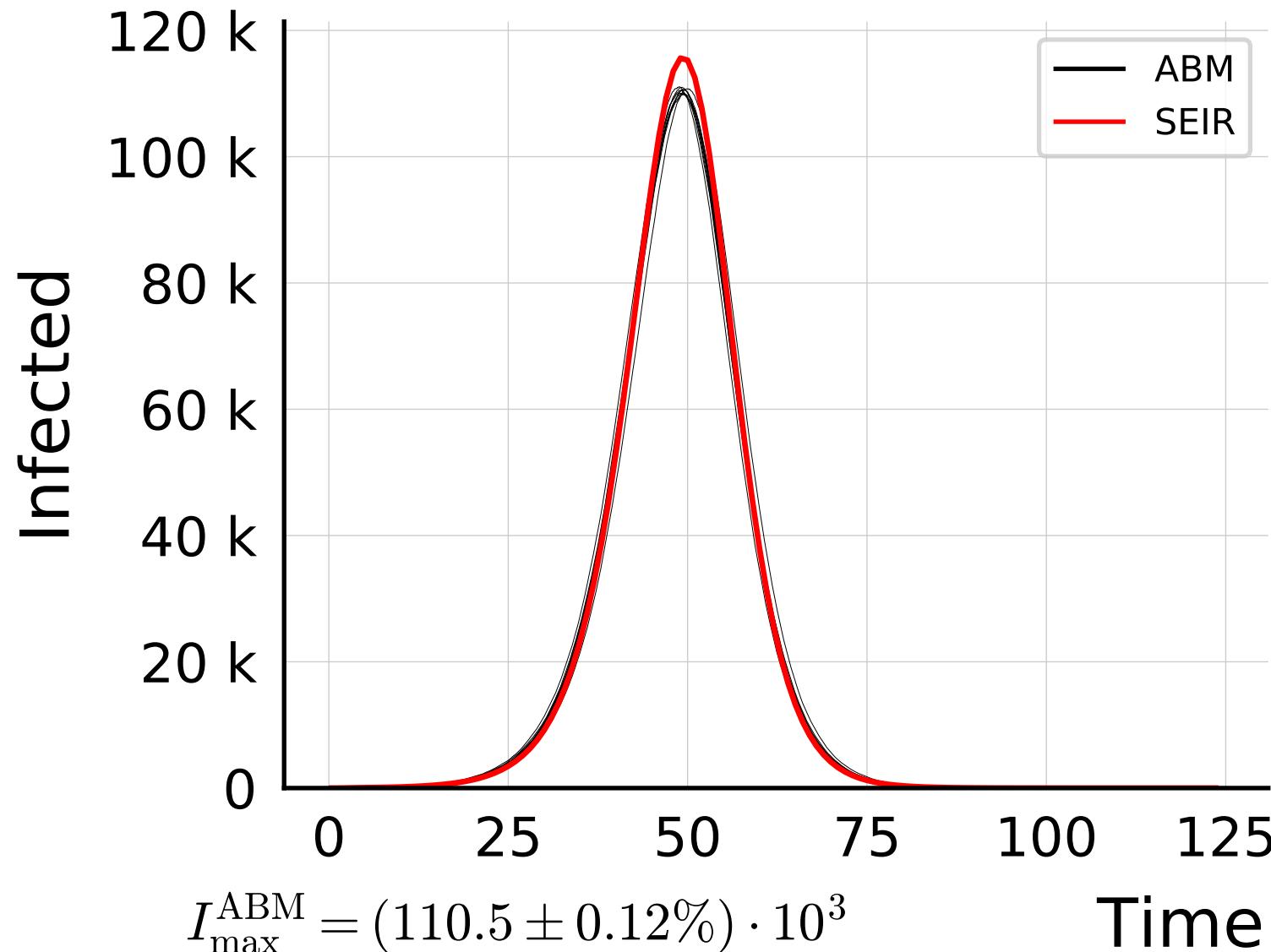
$N_{\text{tot}} = 580K$ ,  $N_{\text{init}} = 100$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.75$   
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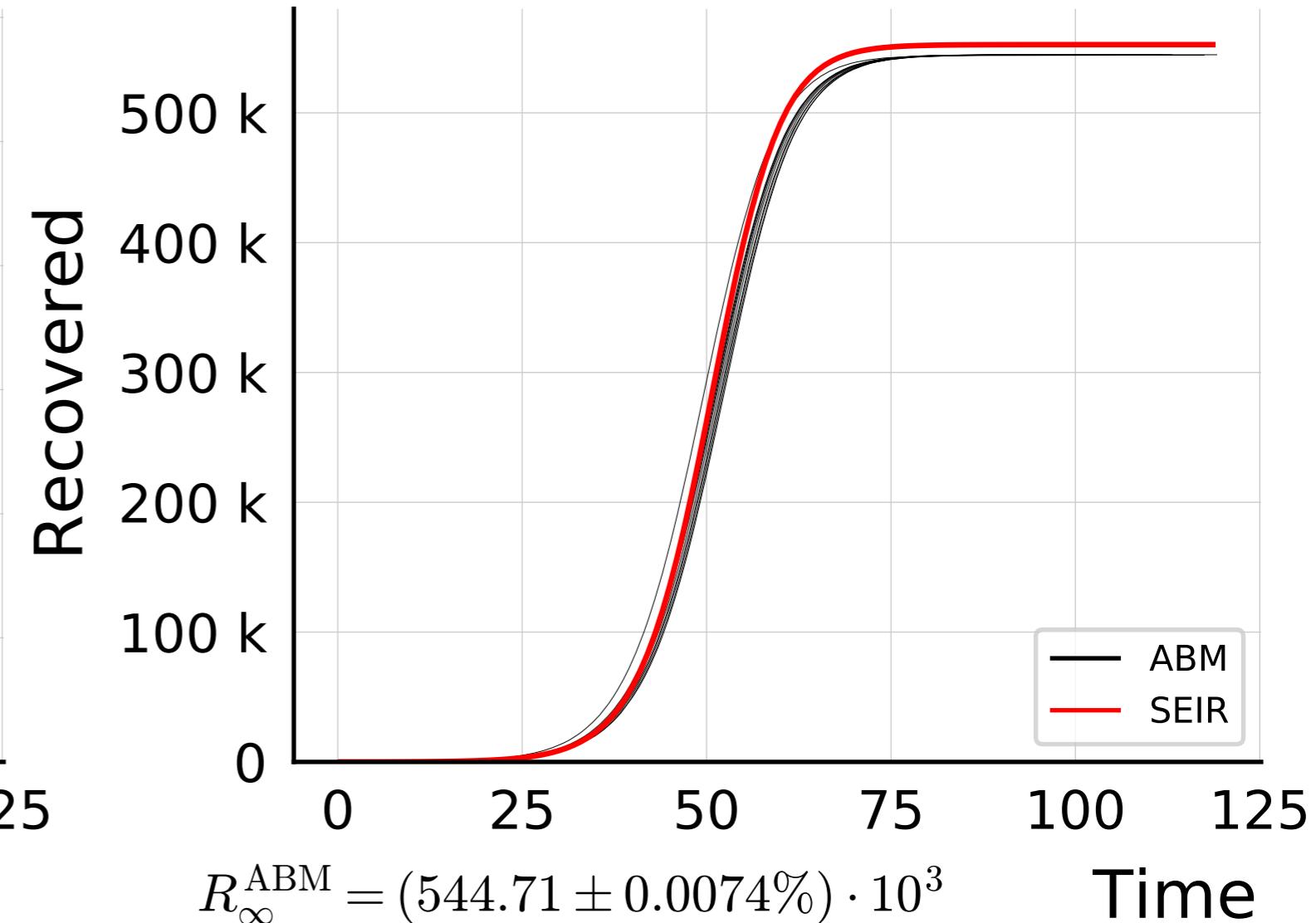
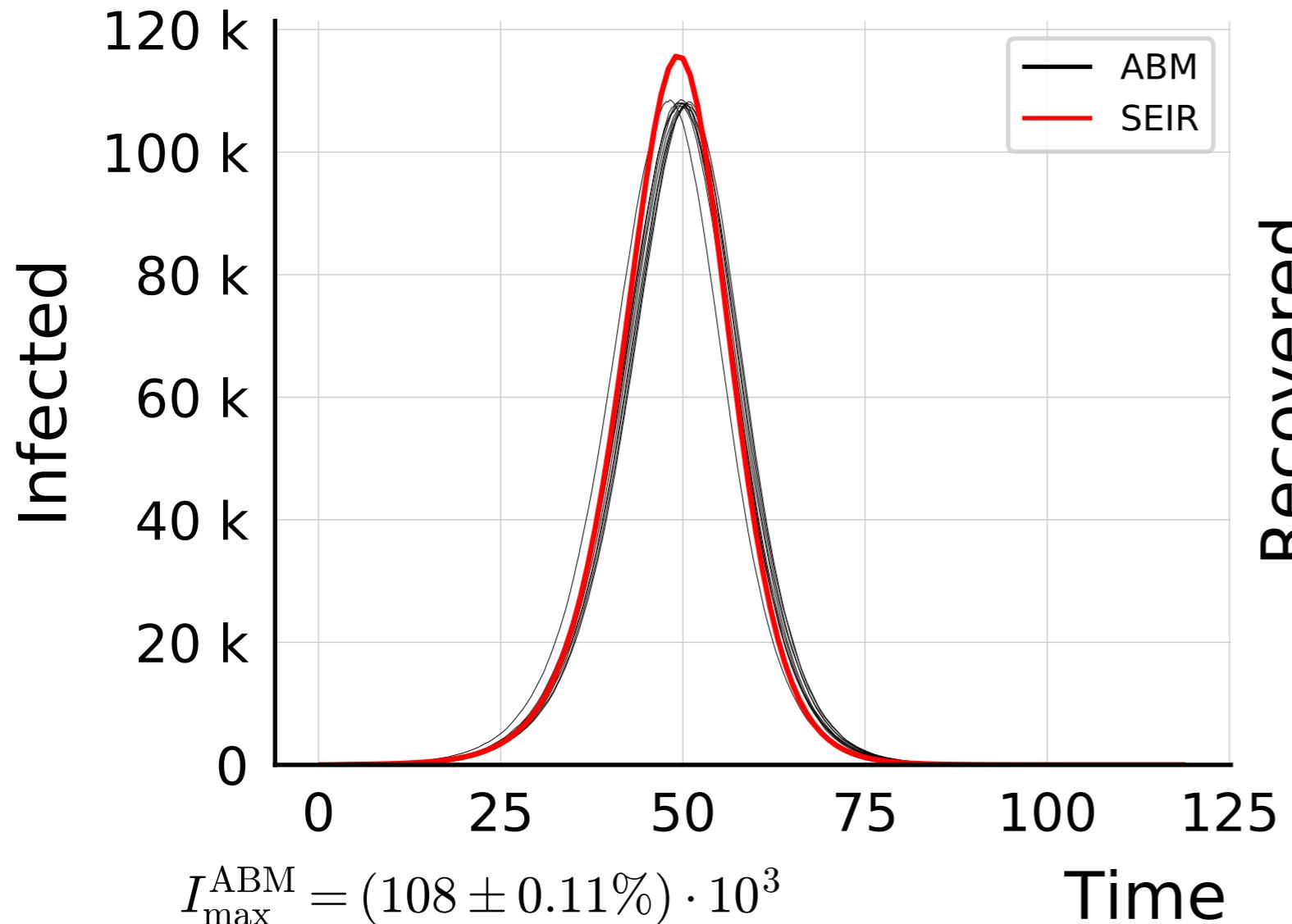
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 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , algo = 2, #10



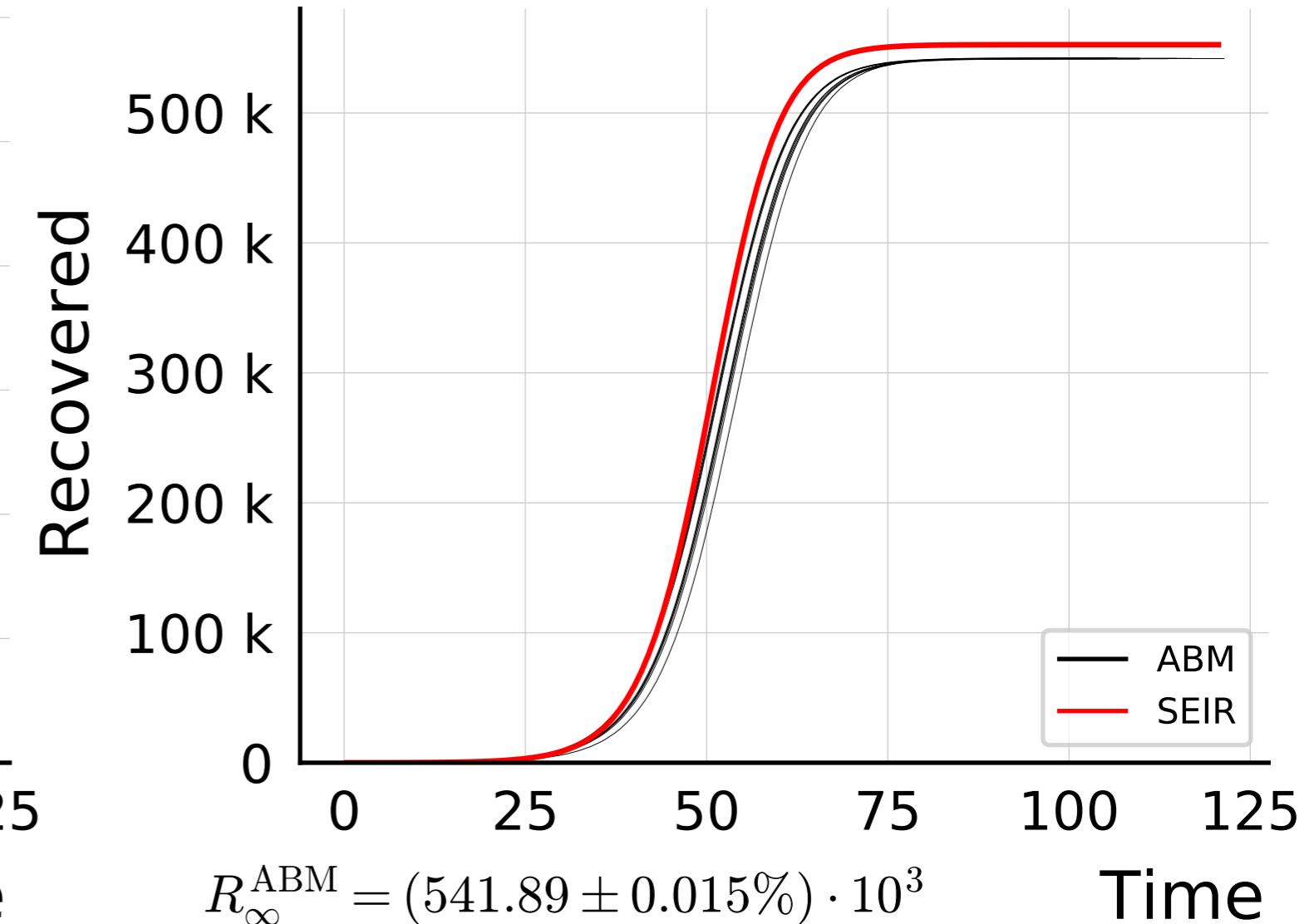
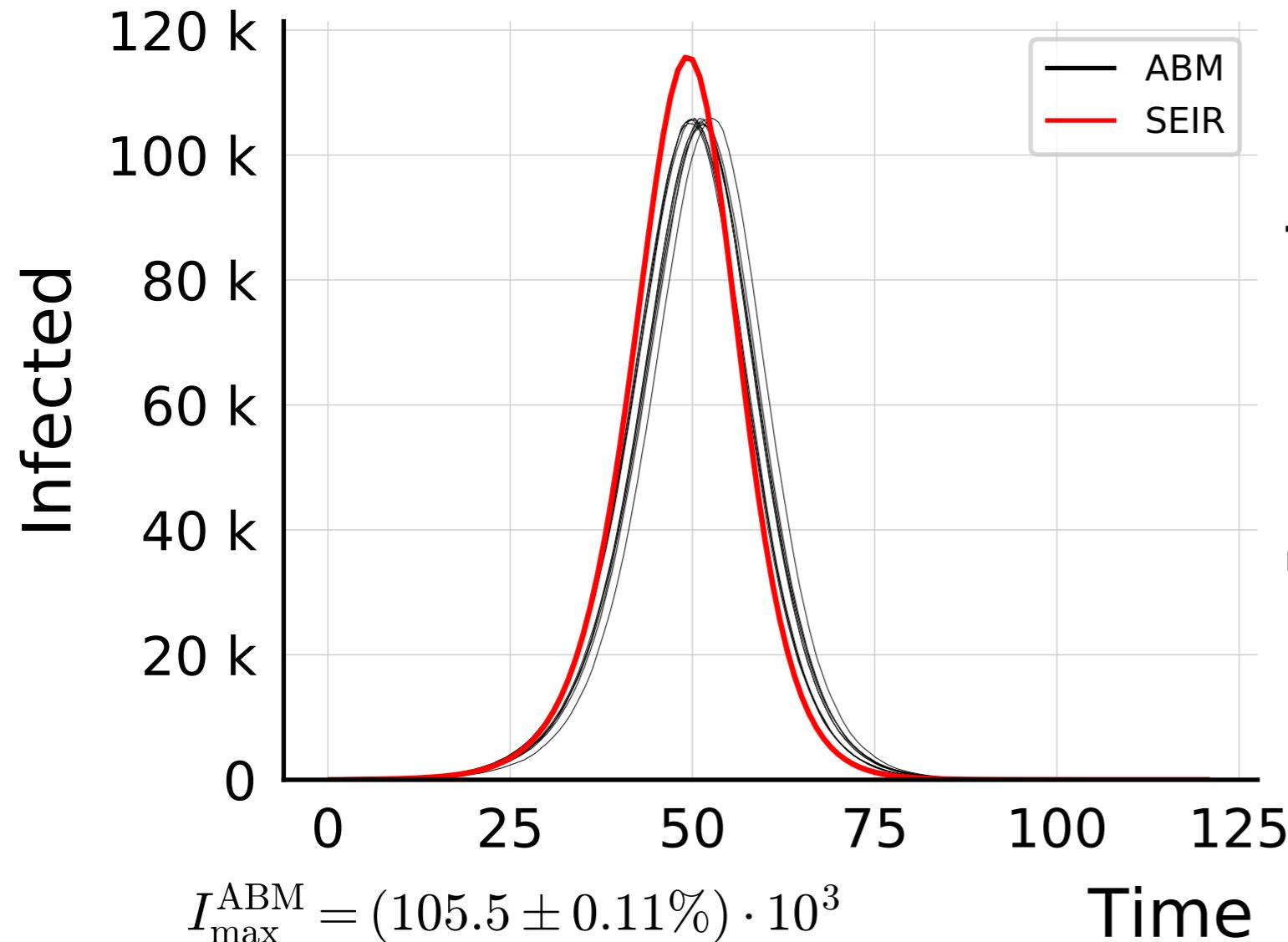
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 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , algo = 2, #10



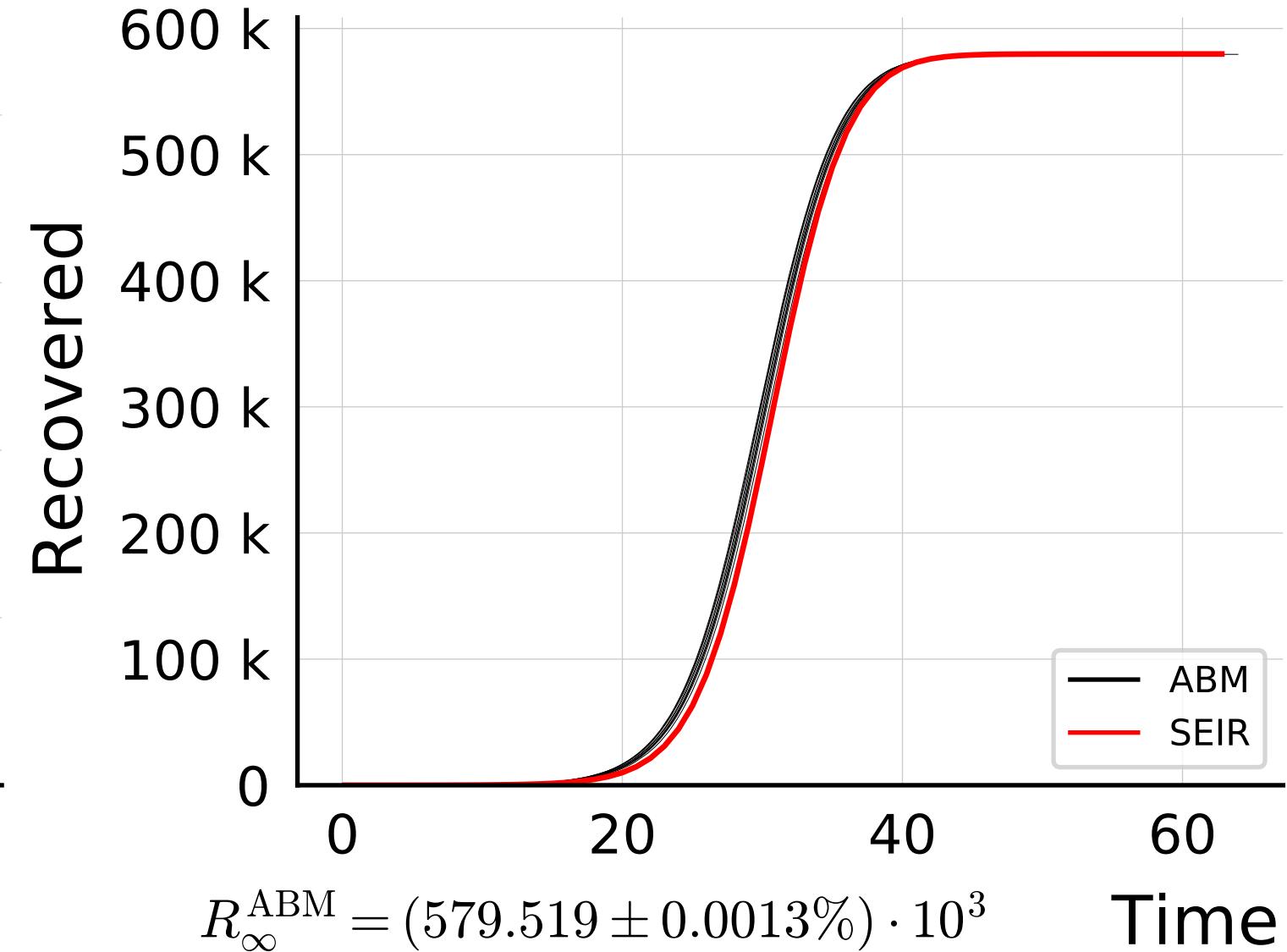
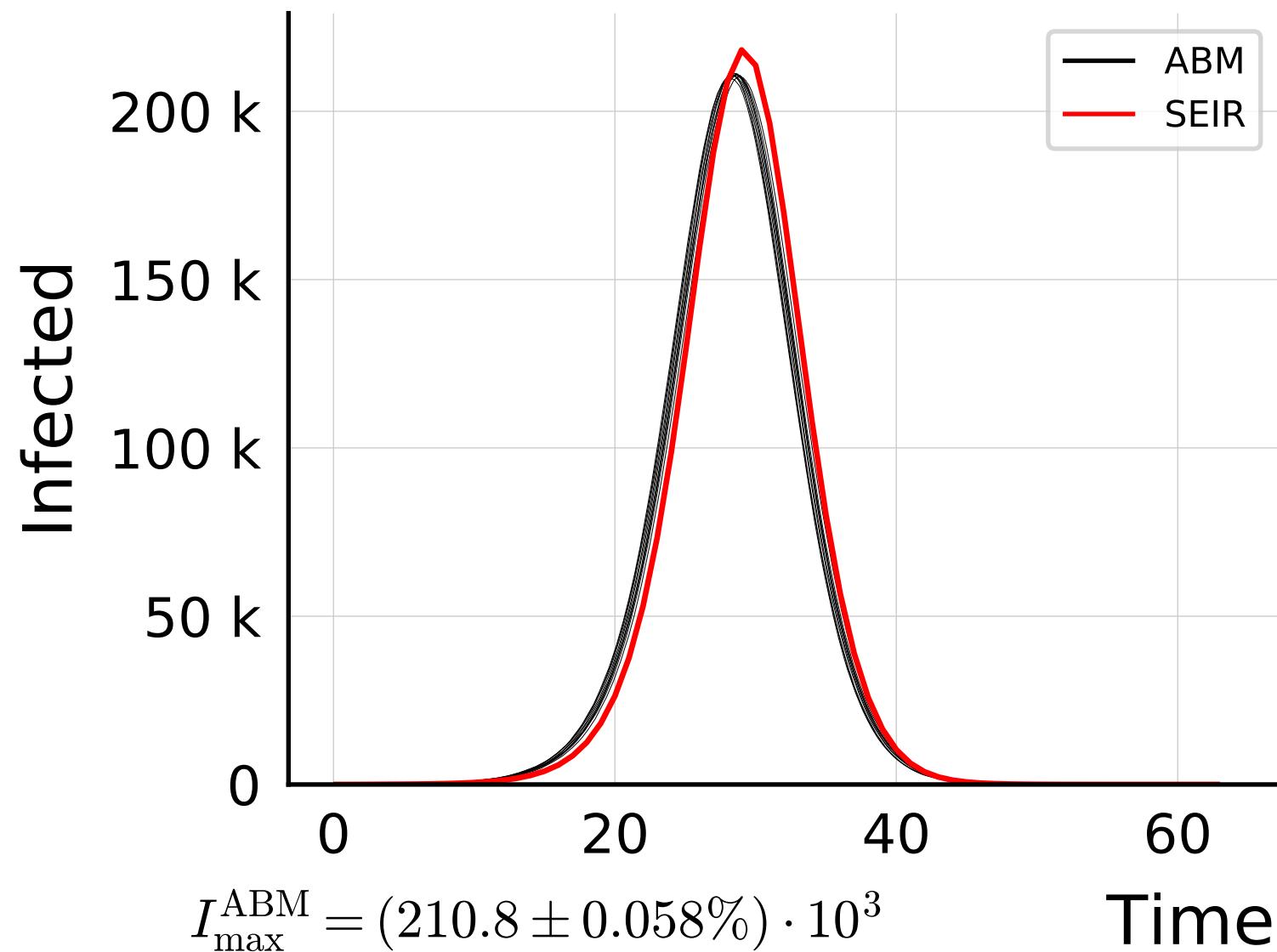
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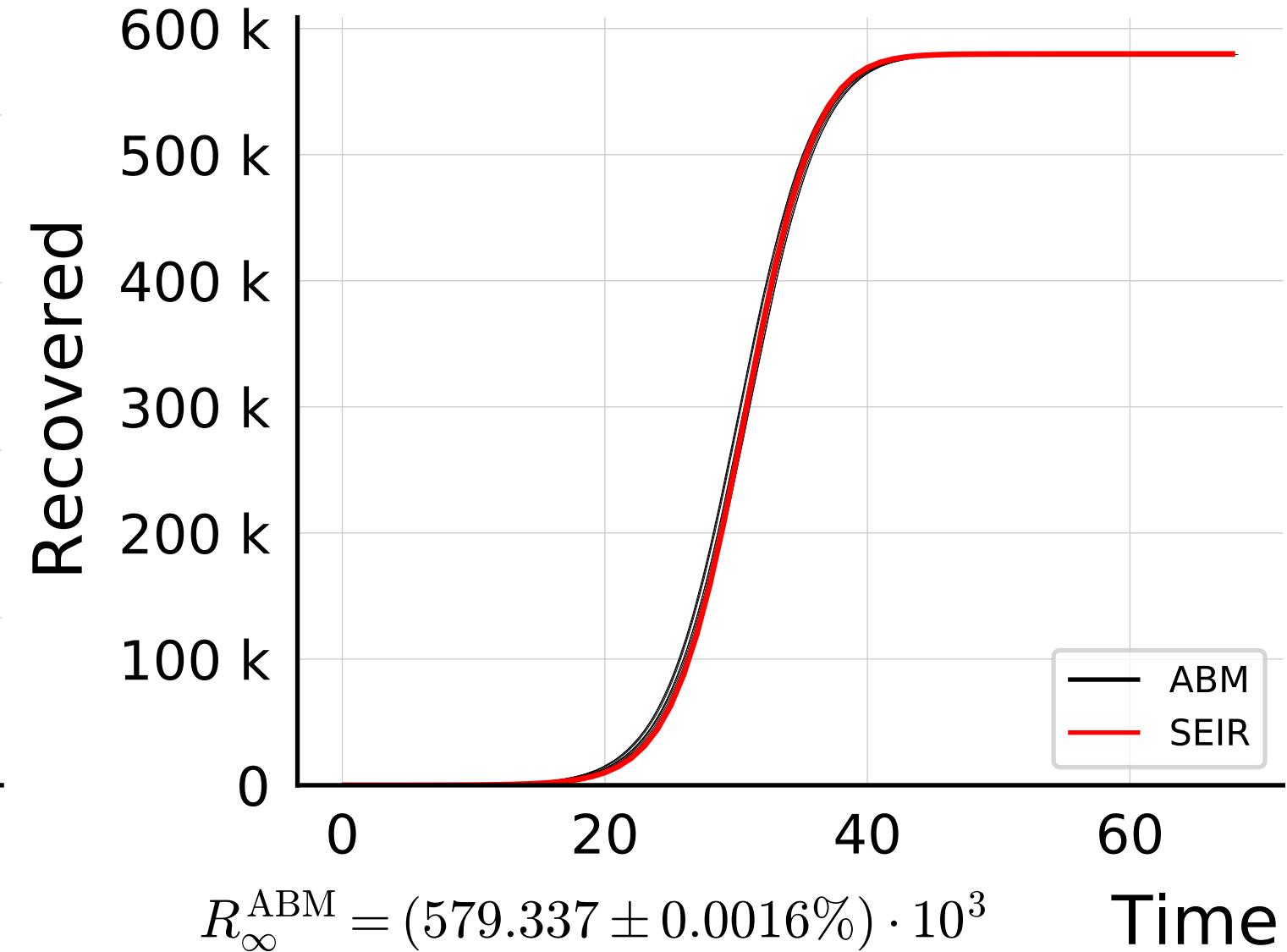
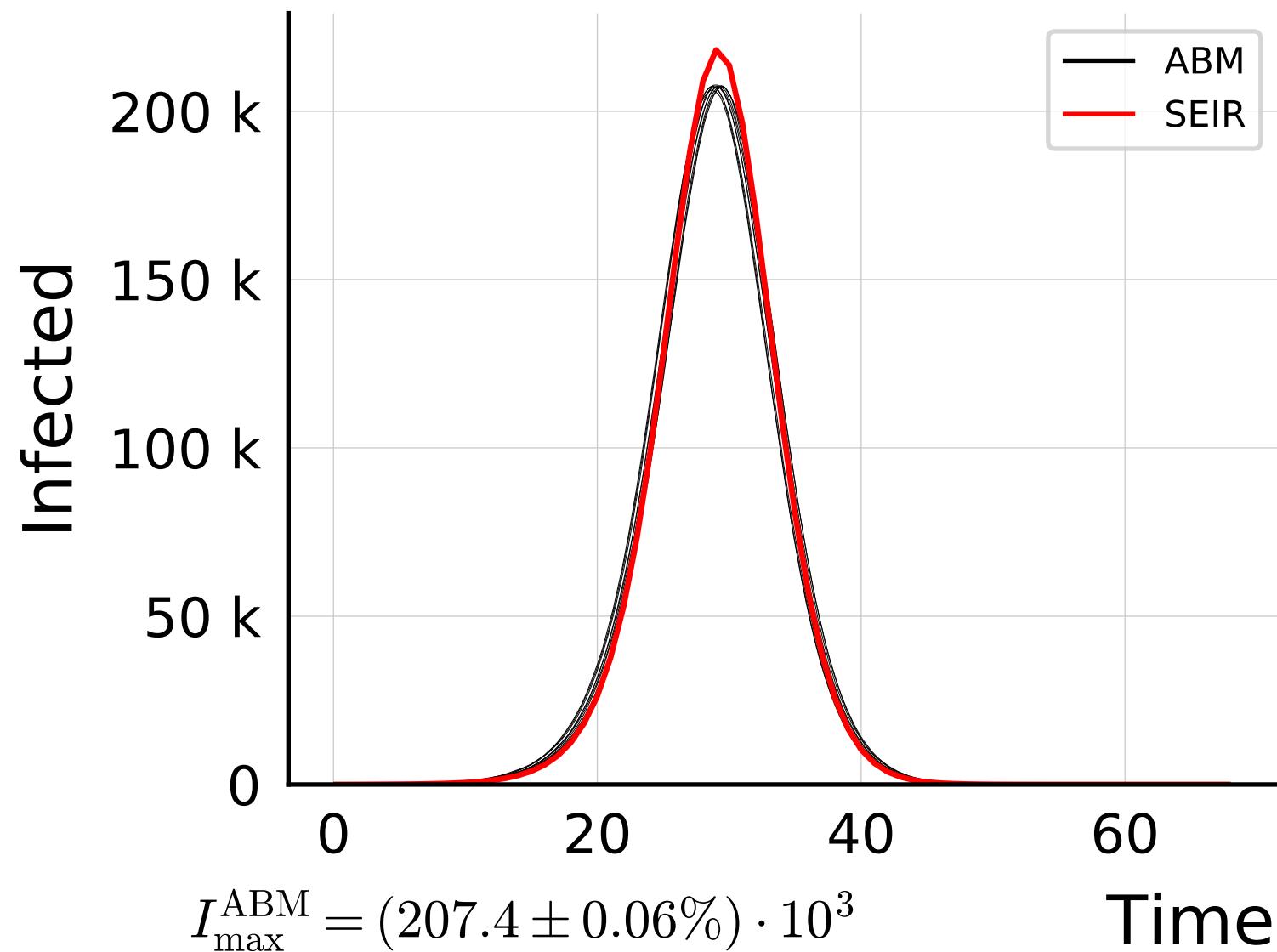
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 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , algo = 2, #10



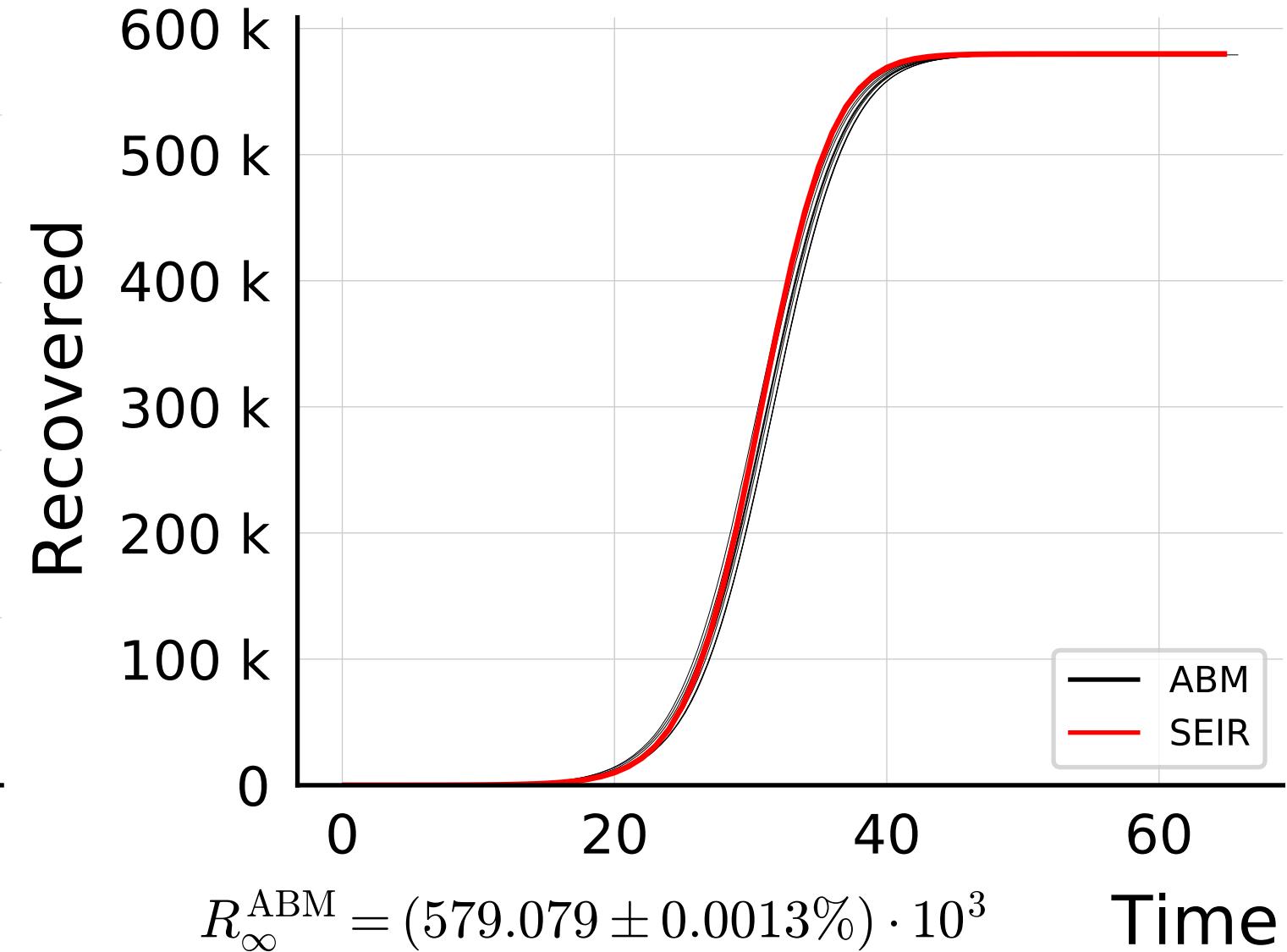
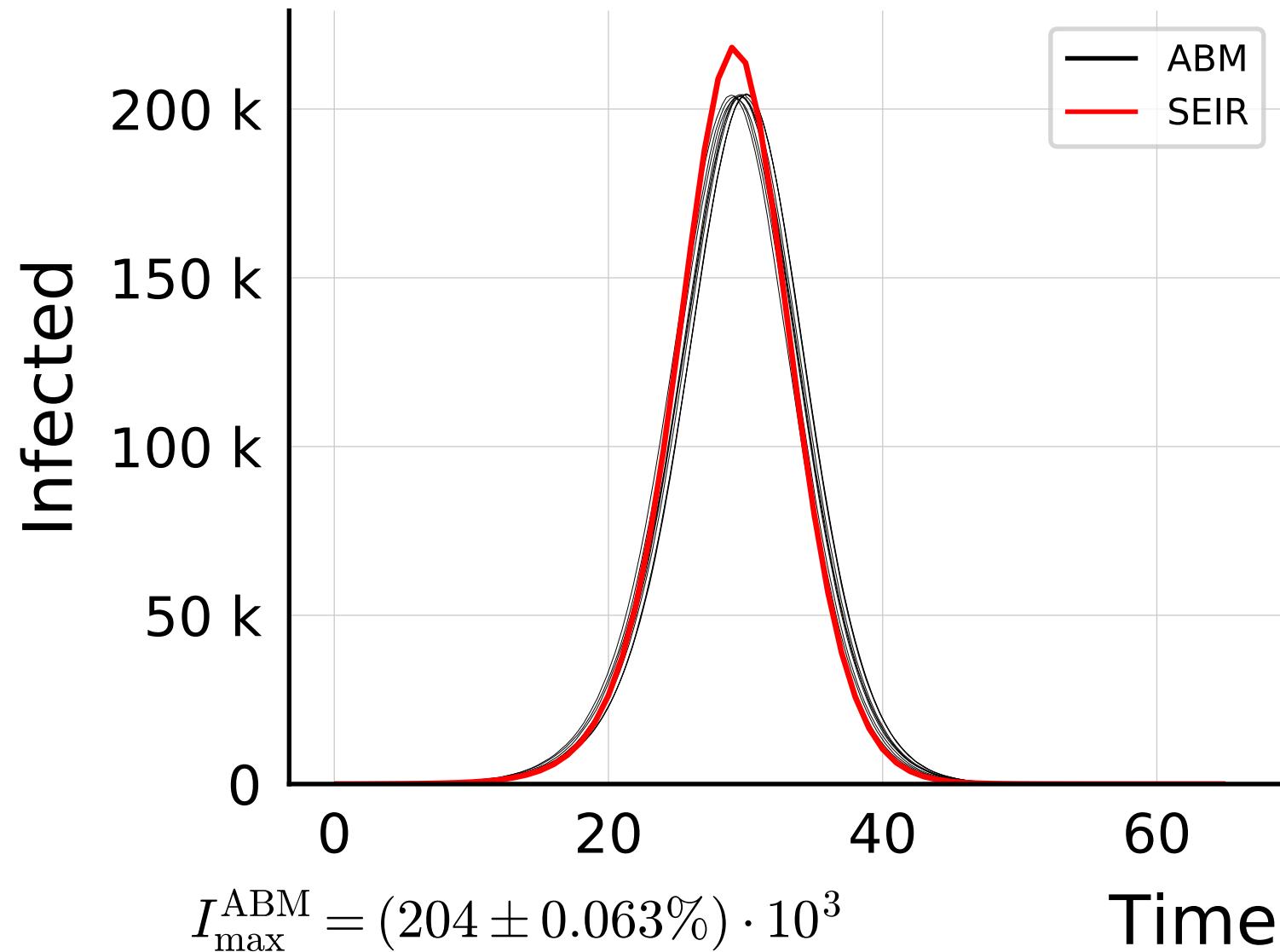
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 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , algo = 2, #10



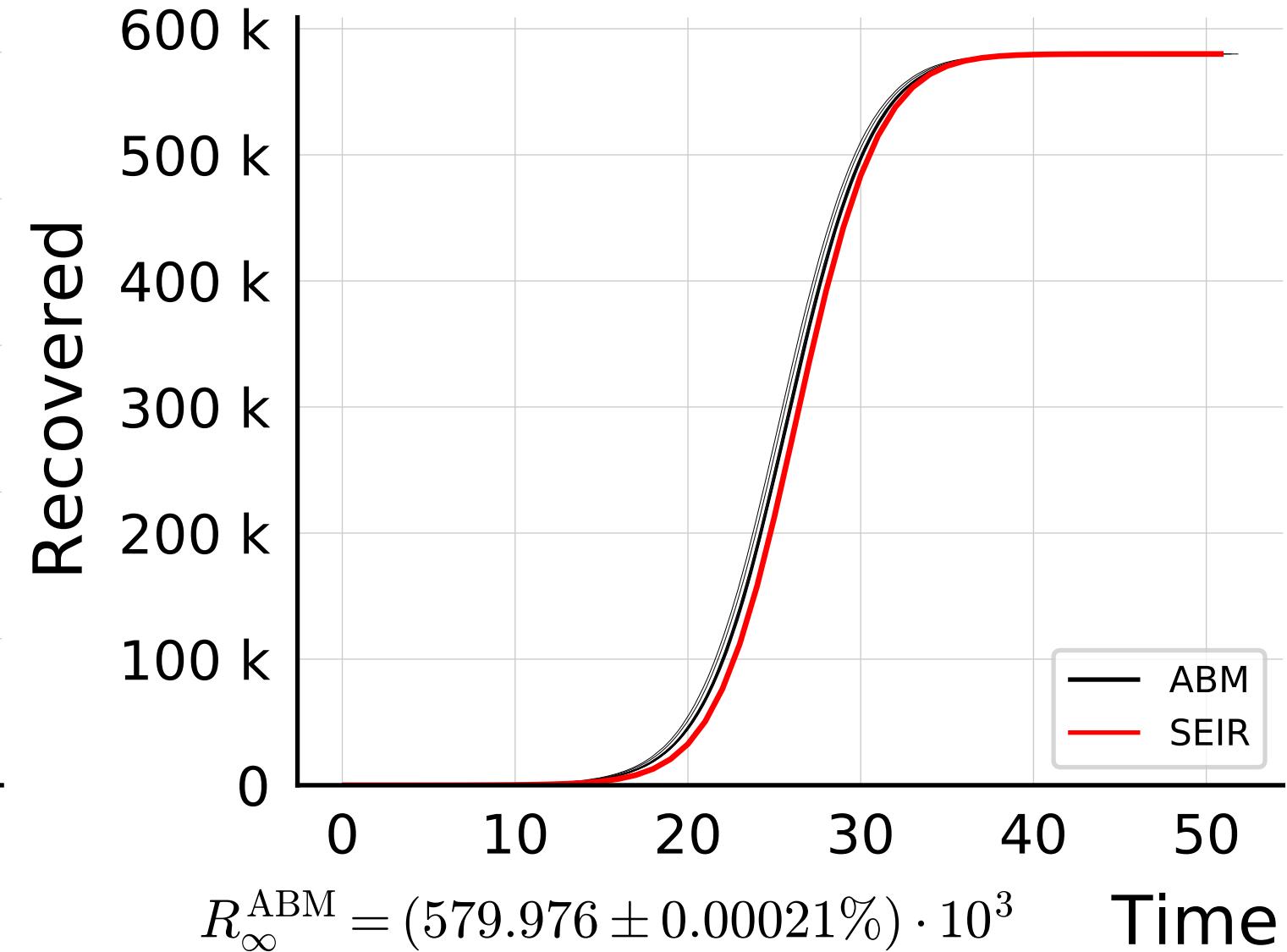
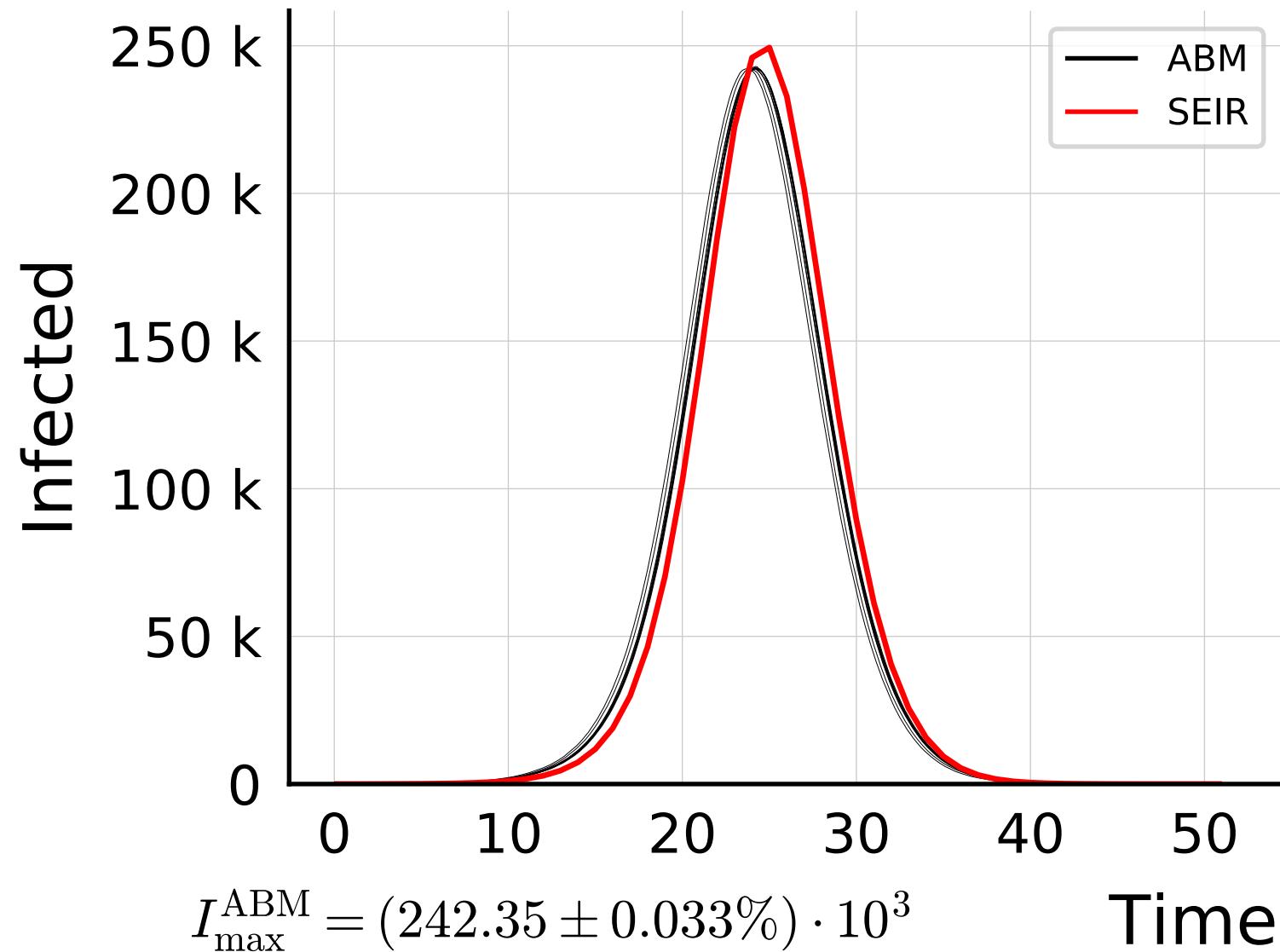
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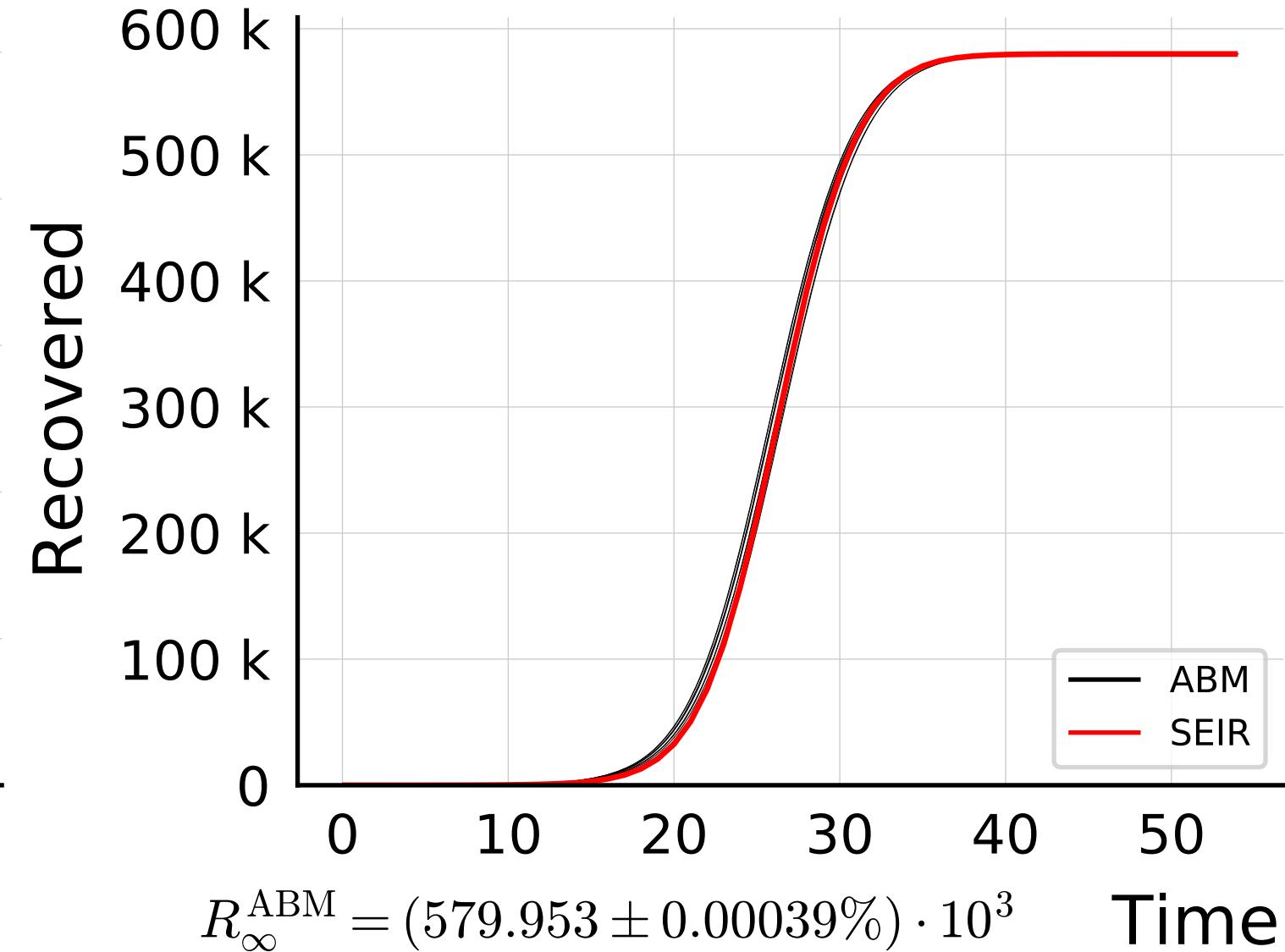
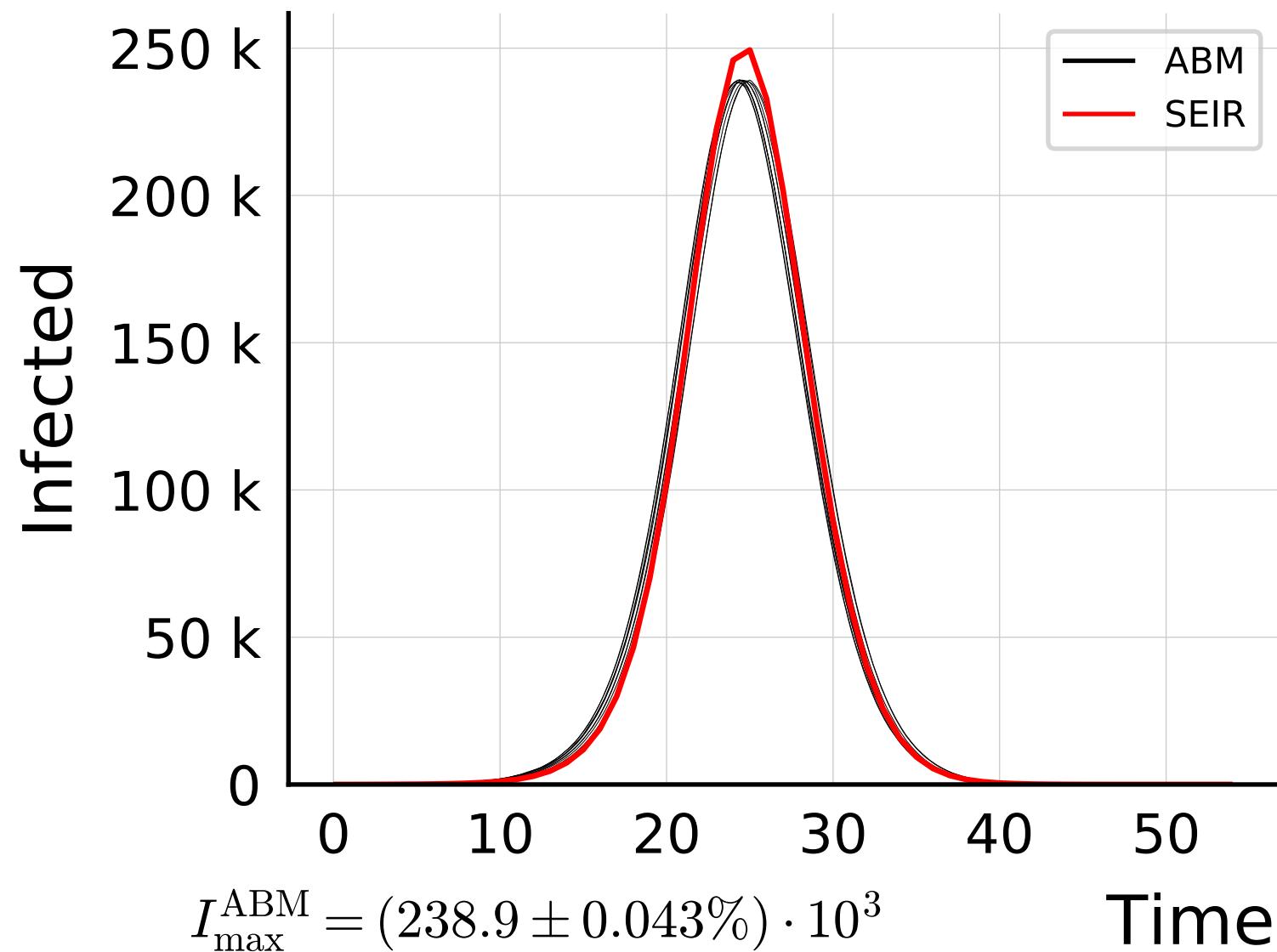
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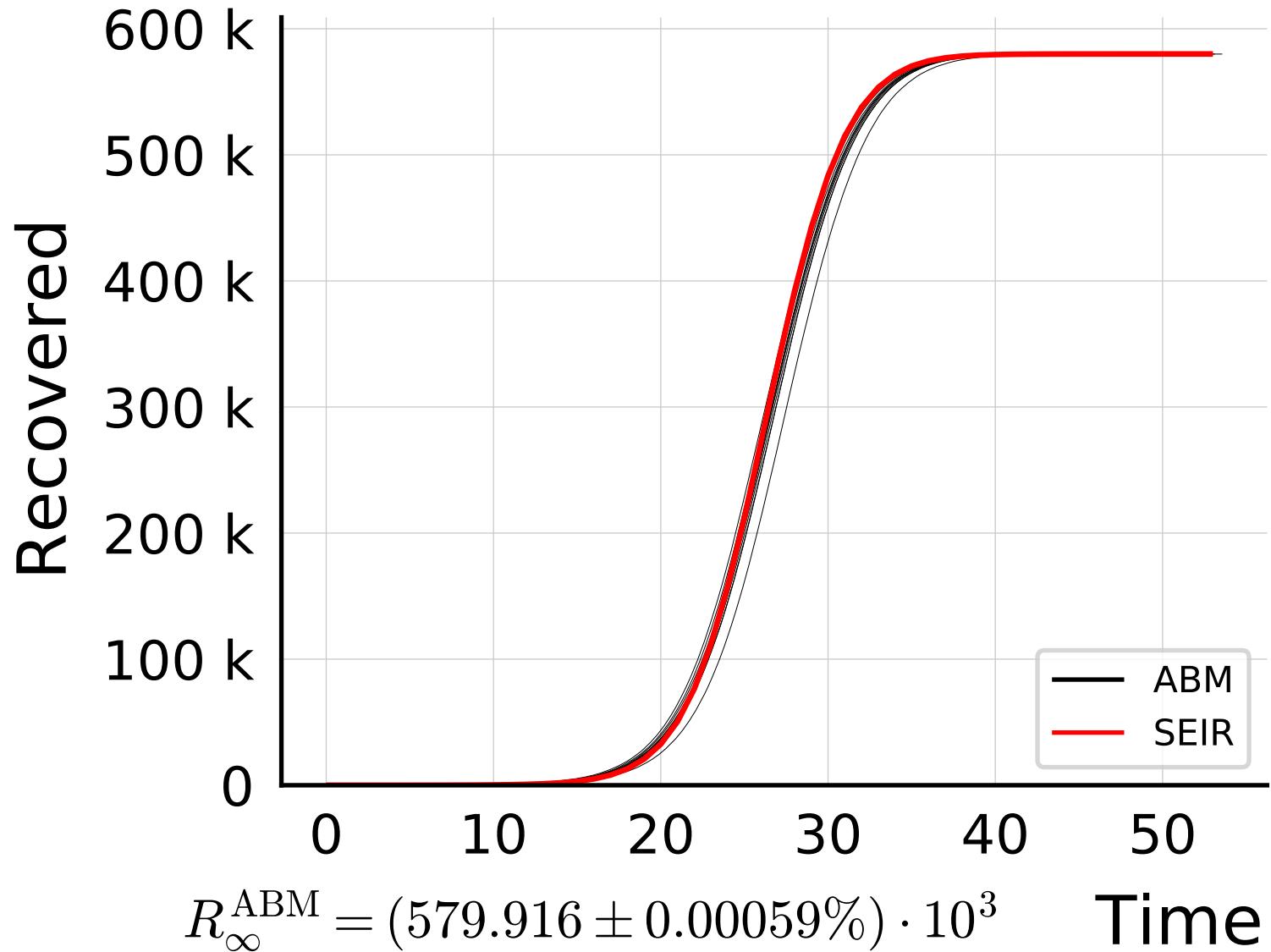
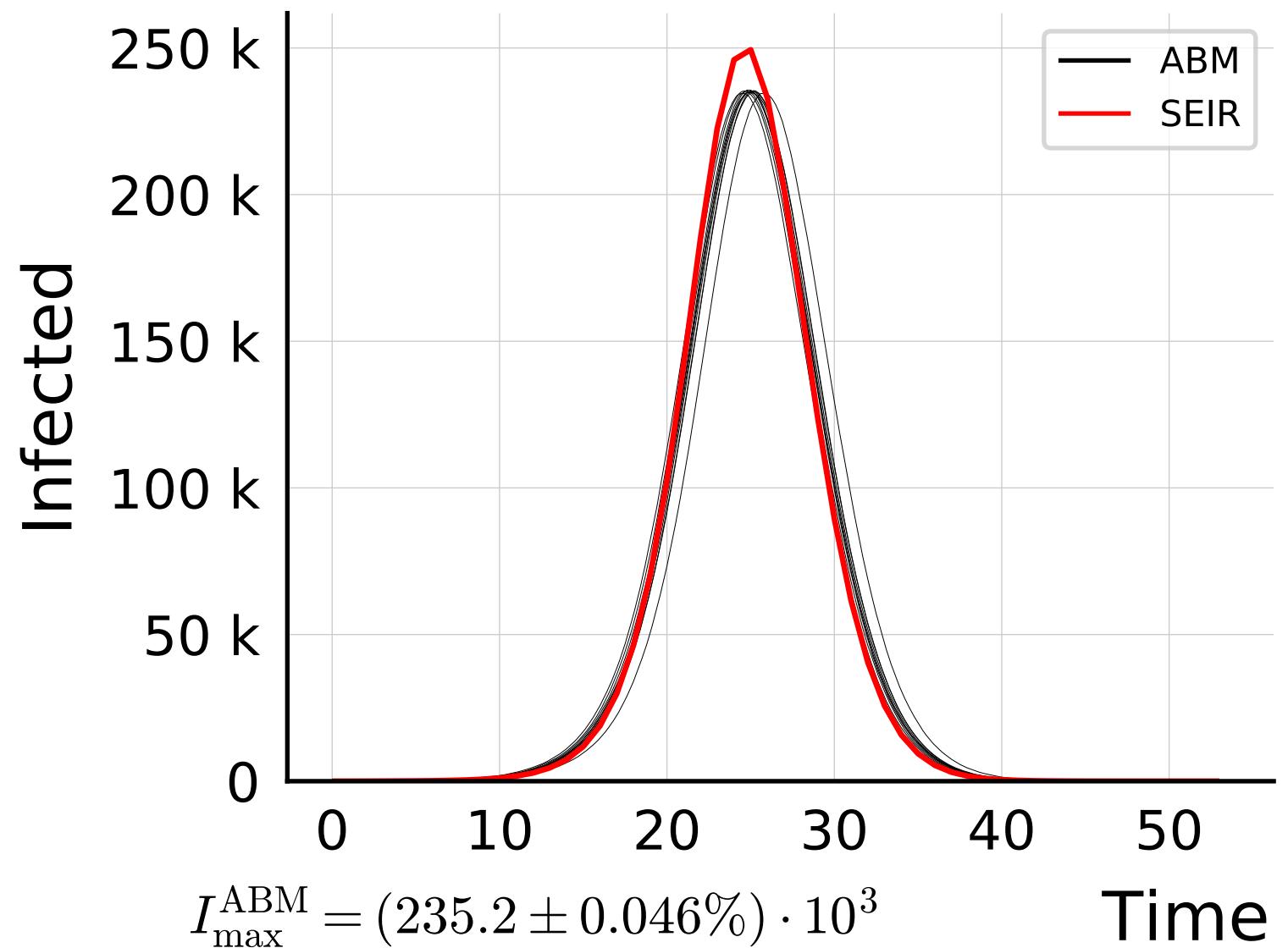
$N_{\text{tot}} = 580K$ ,  $N_{\text{init}} = 100$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.075$ ,  $\sigma_\beta = 0.0$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , algo = 2, #10



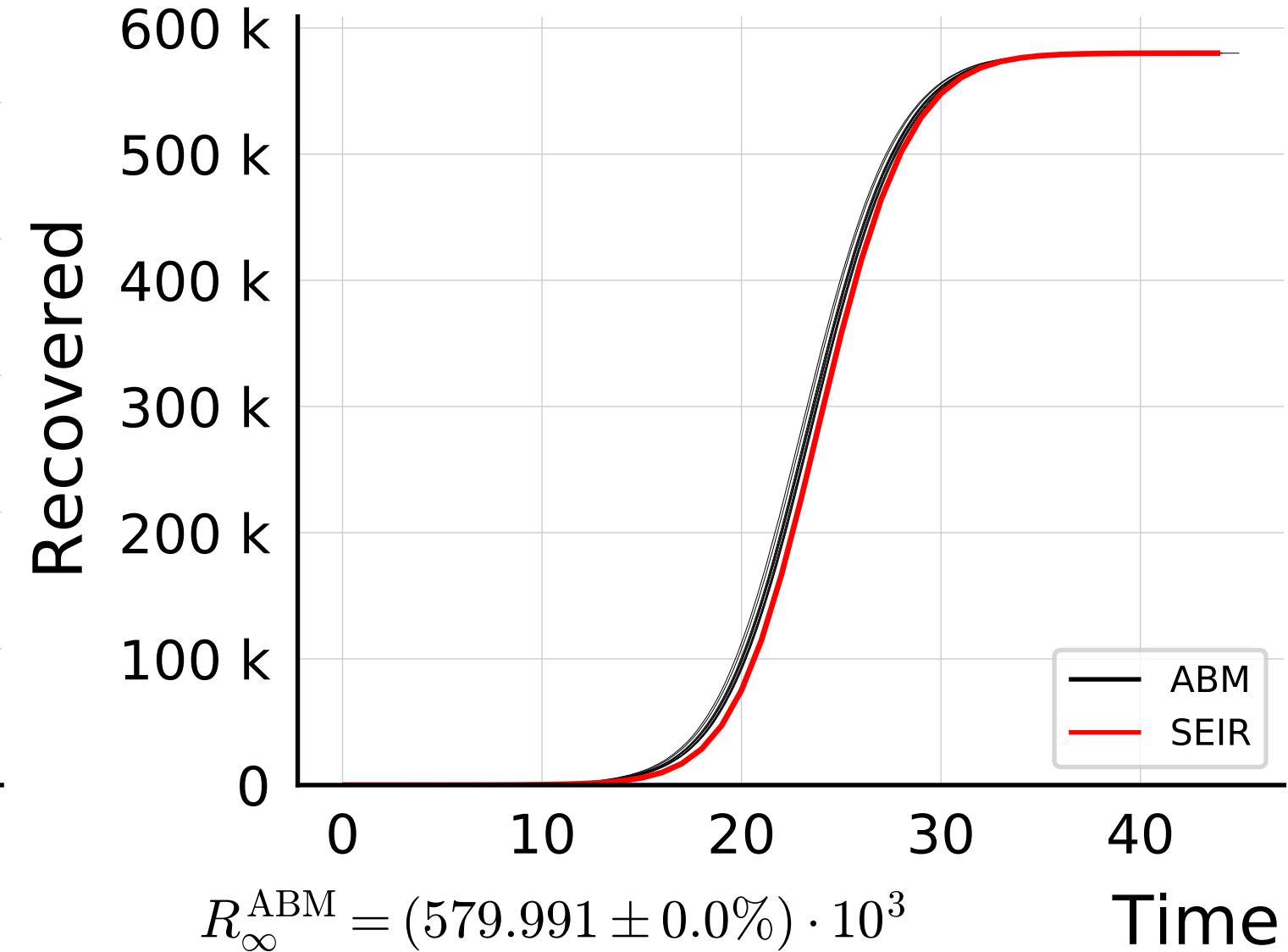
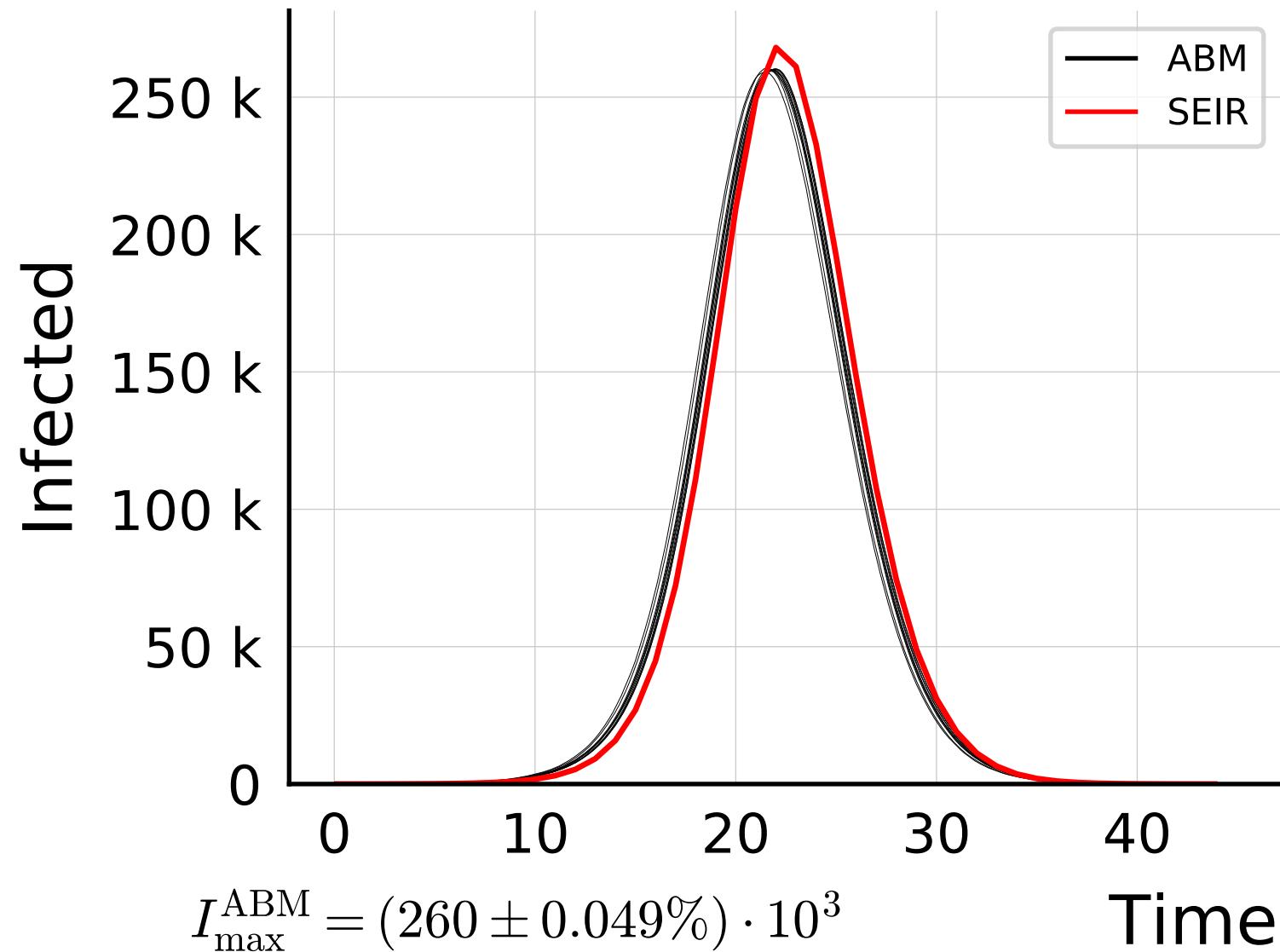
$N_{\text{tot}} = 580K$ ,  $N_{\text{init}} = 100$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.075$ ,  $\sigma_\beta = 0.5$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , algo = 2, #10



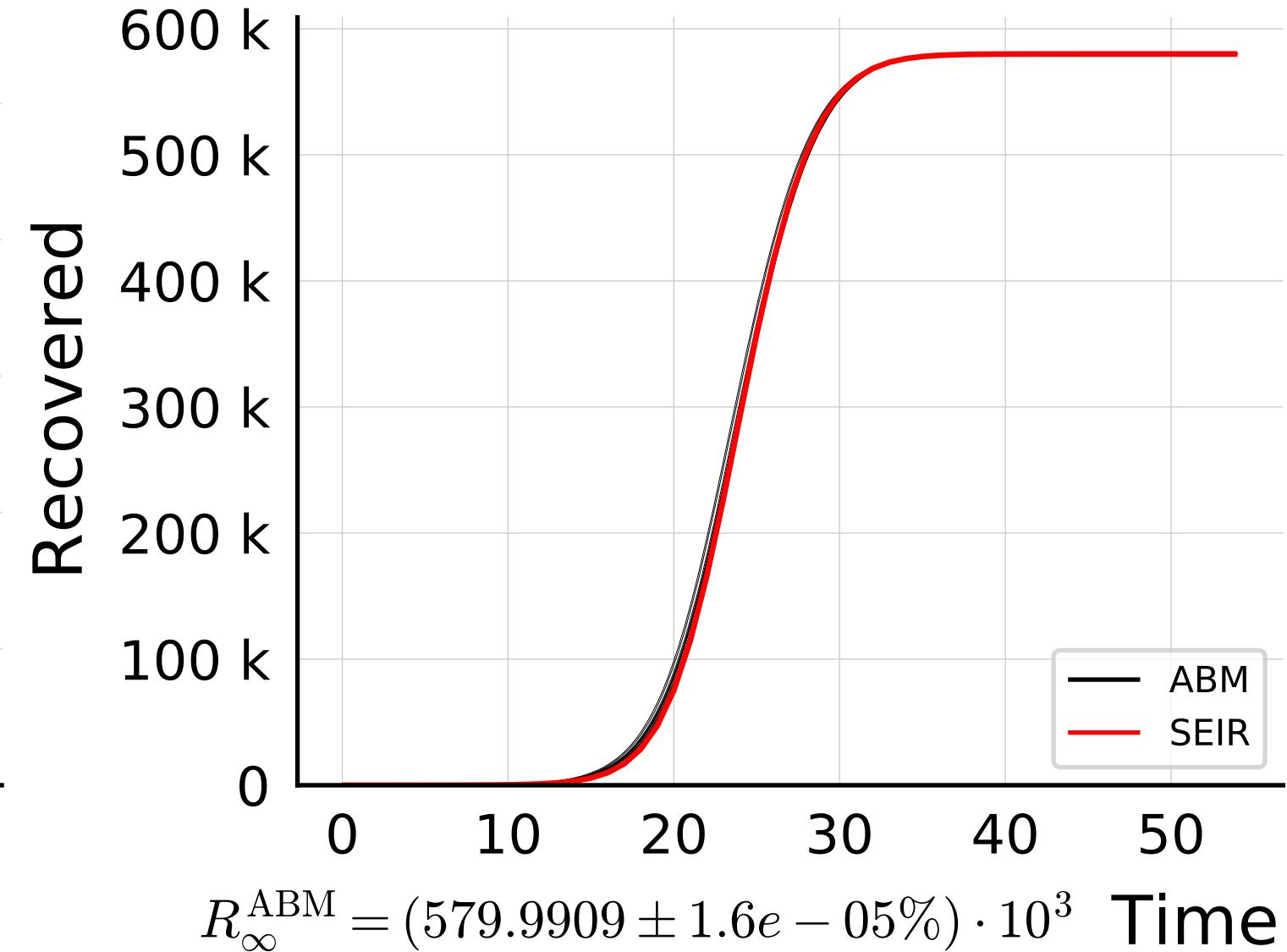
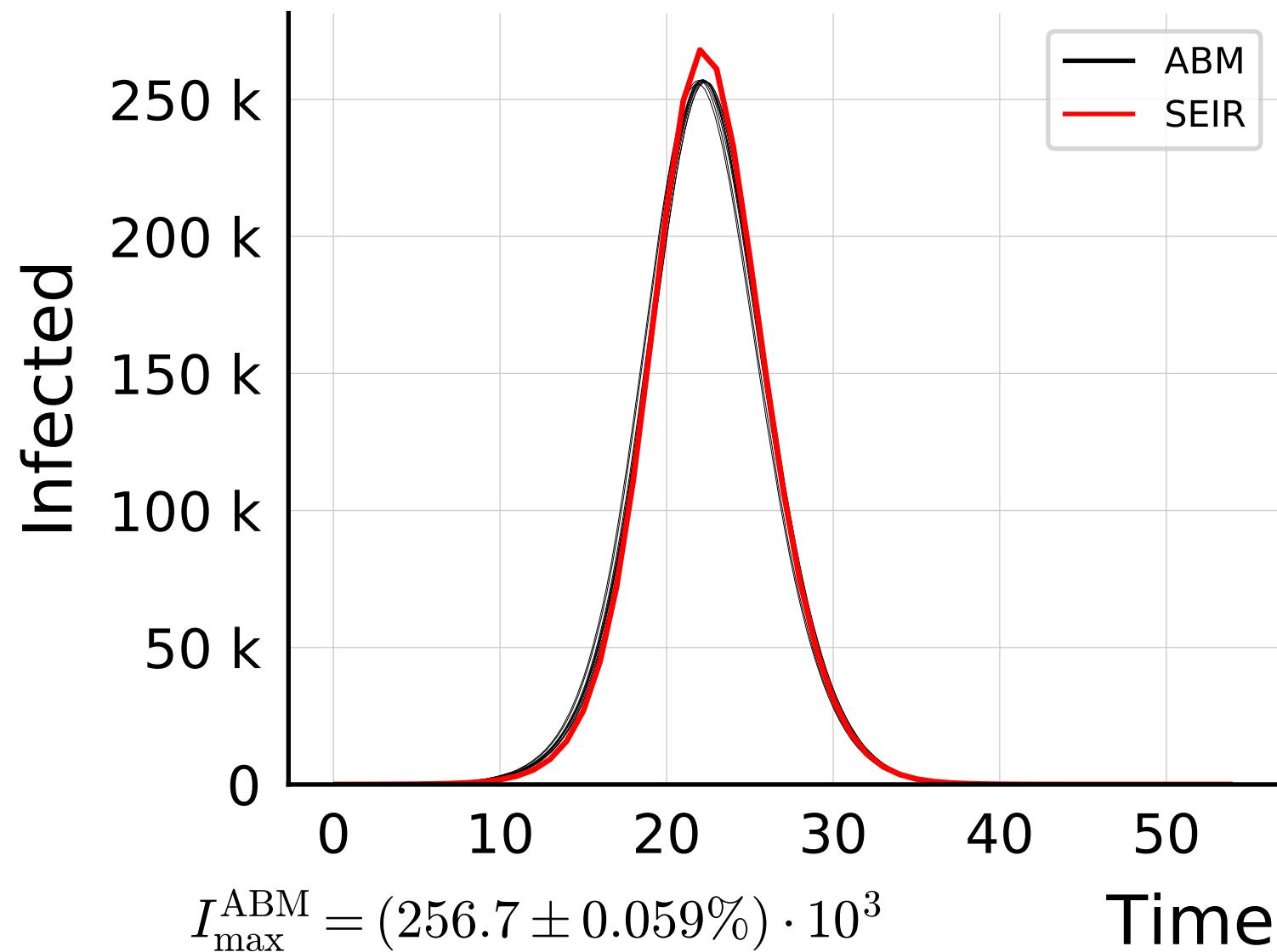
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 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , algo = 2, #10



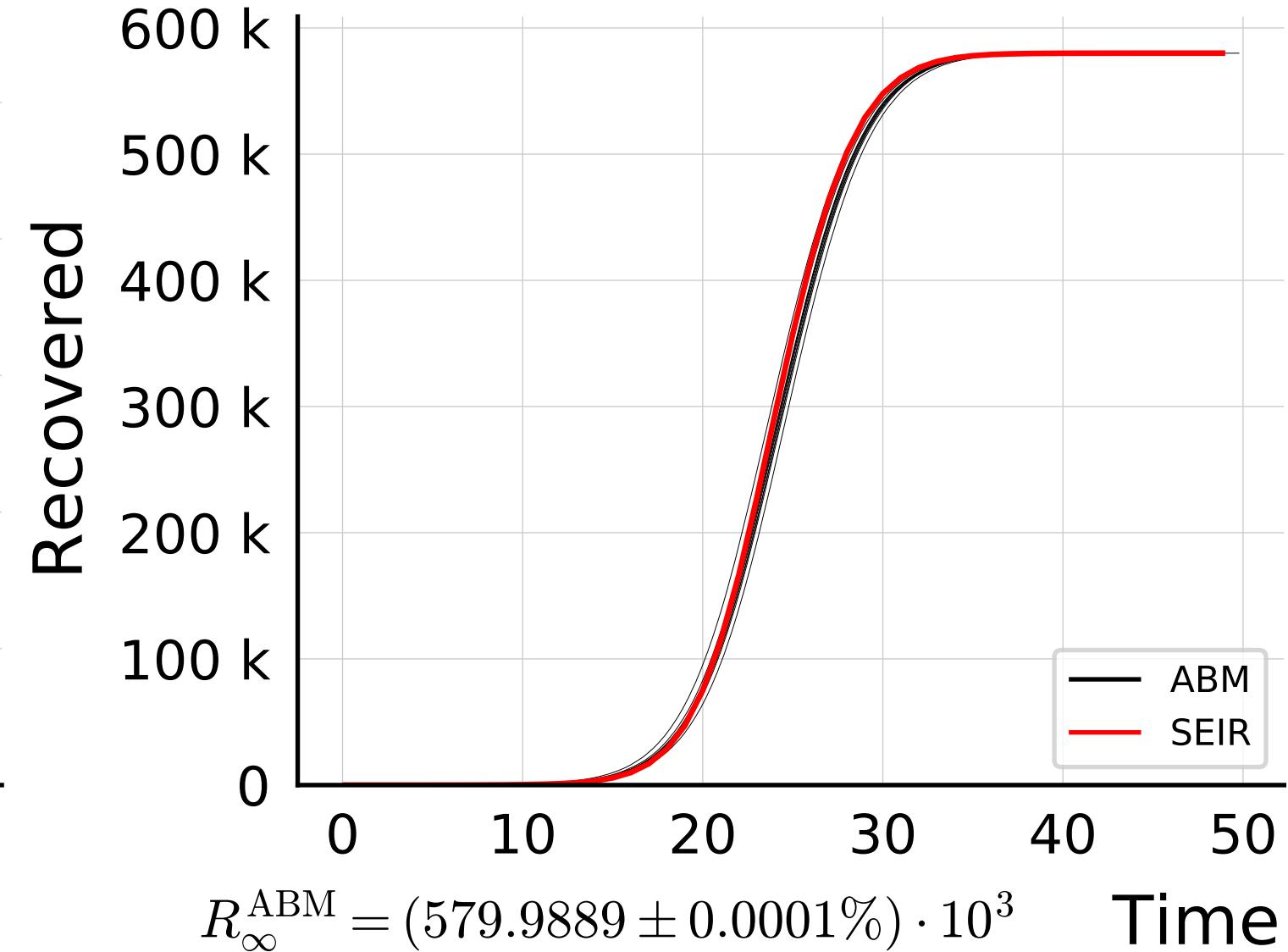
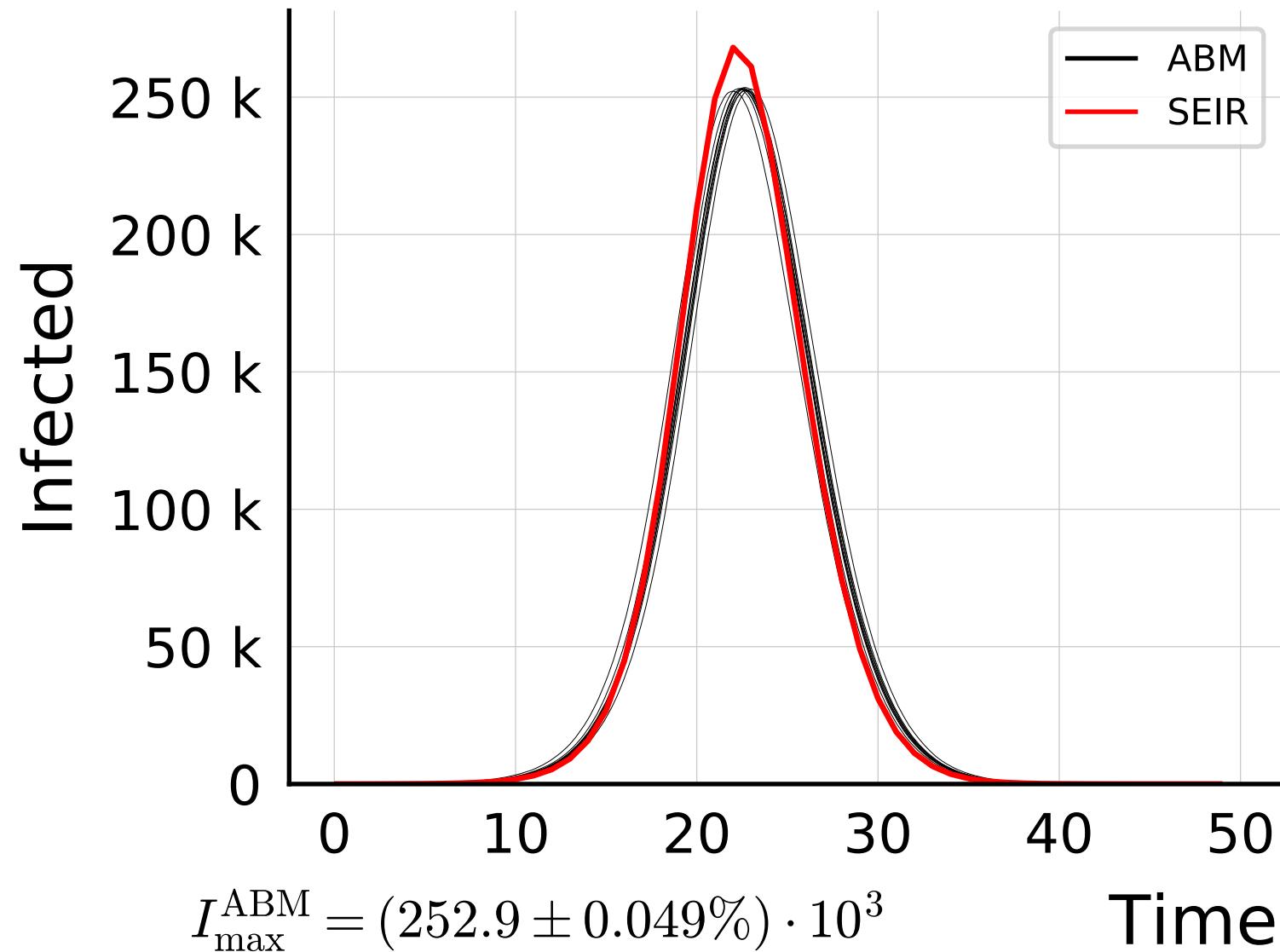
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 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , algo = 2, #10



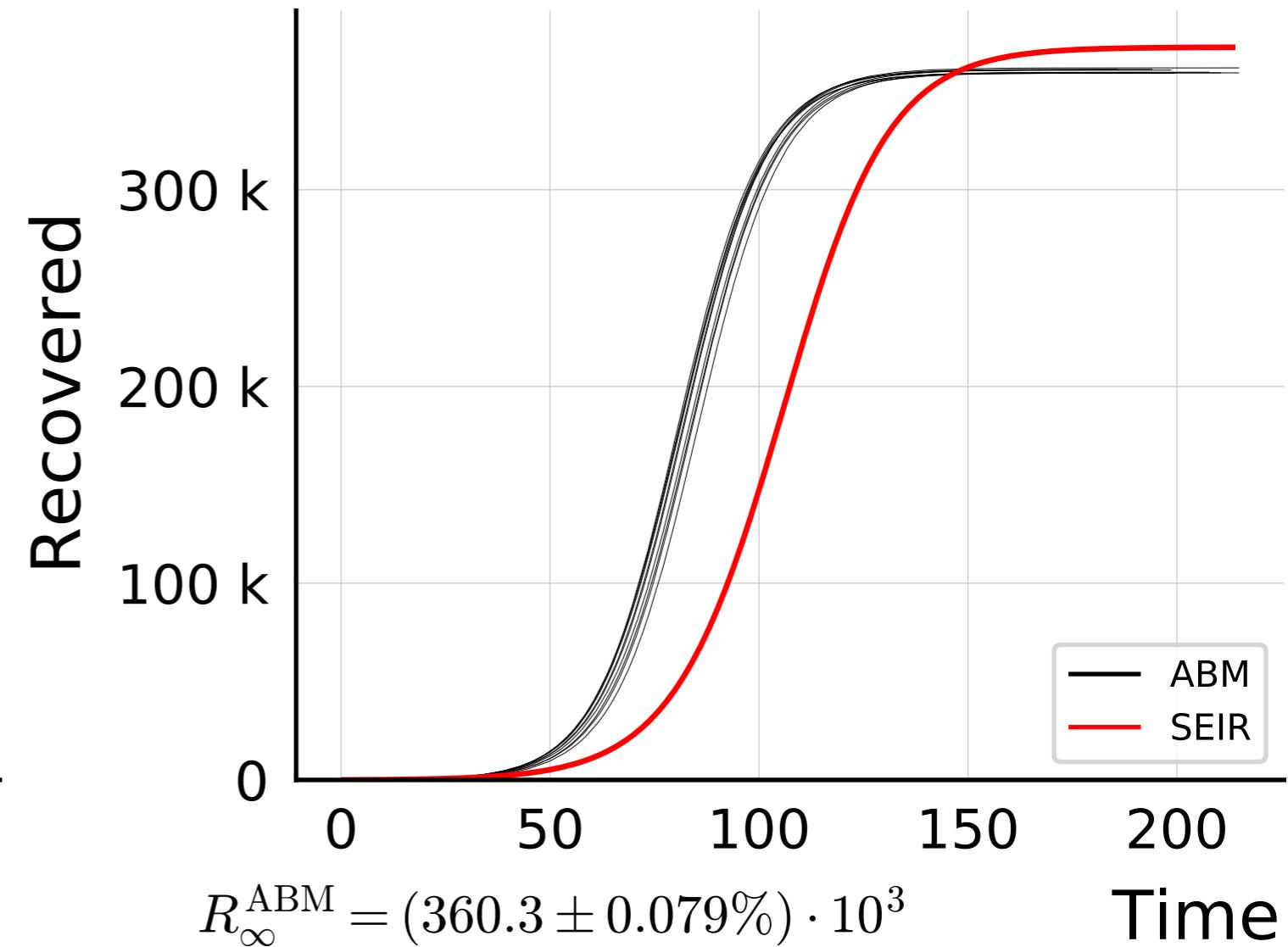
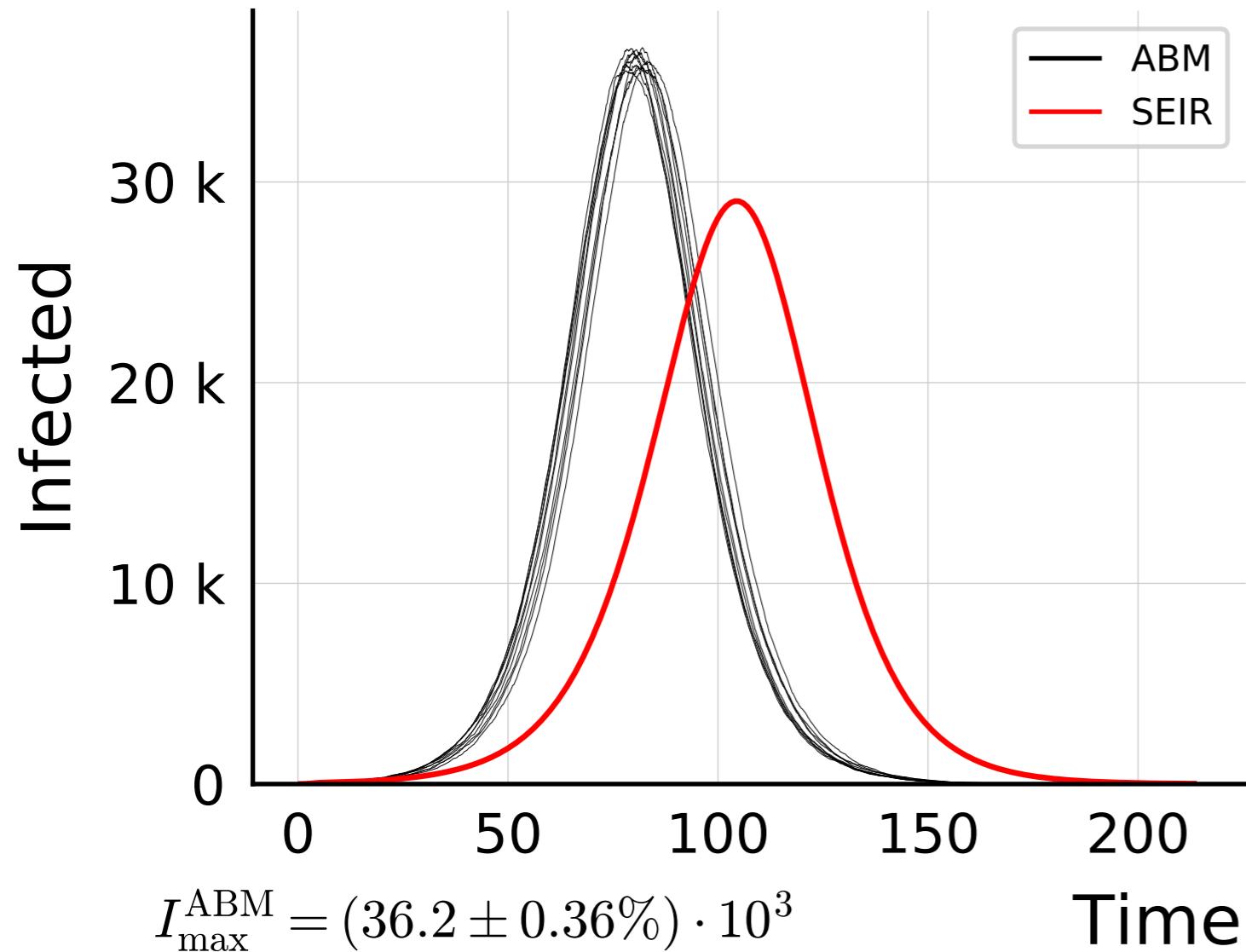
$N_{\text{tot}} = 580K$ ,  $N_{\text{init}} = 100$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.1$ ,  $\sigma_\beta = 0.5$   
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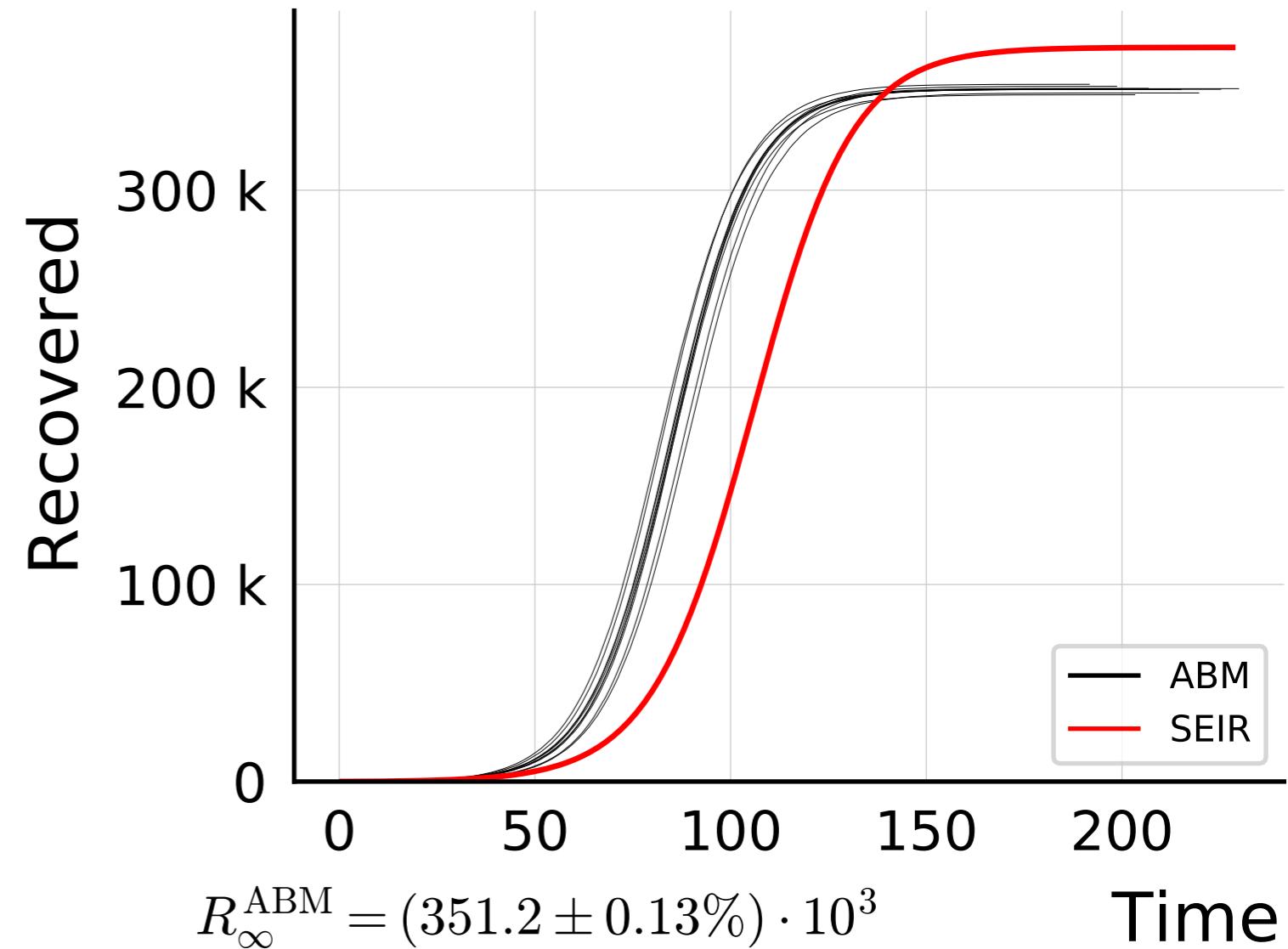
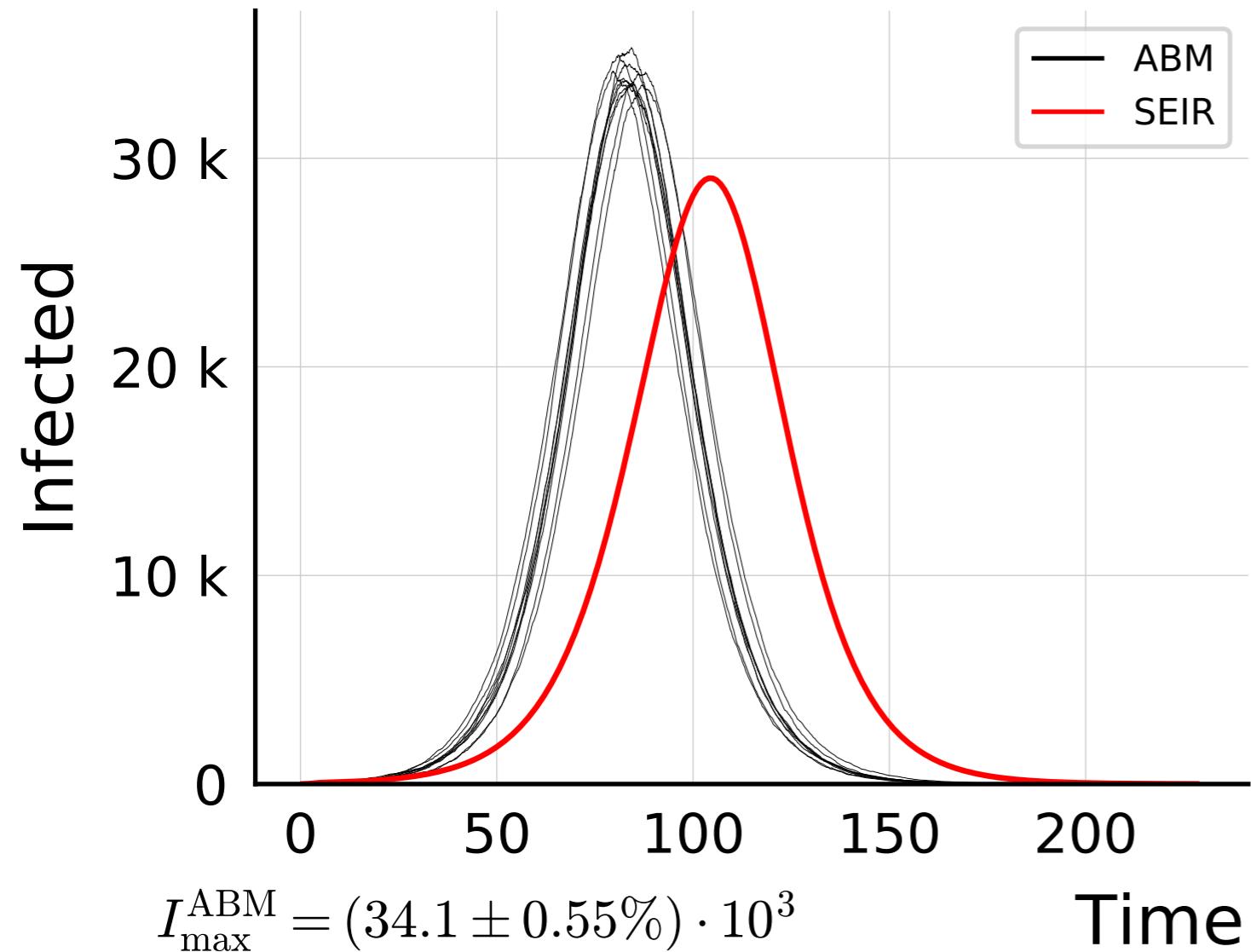
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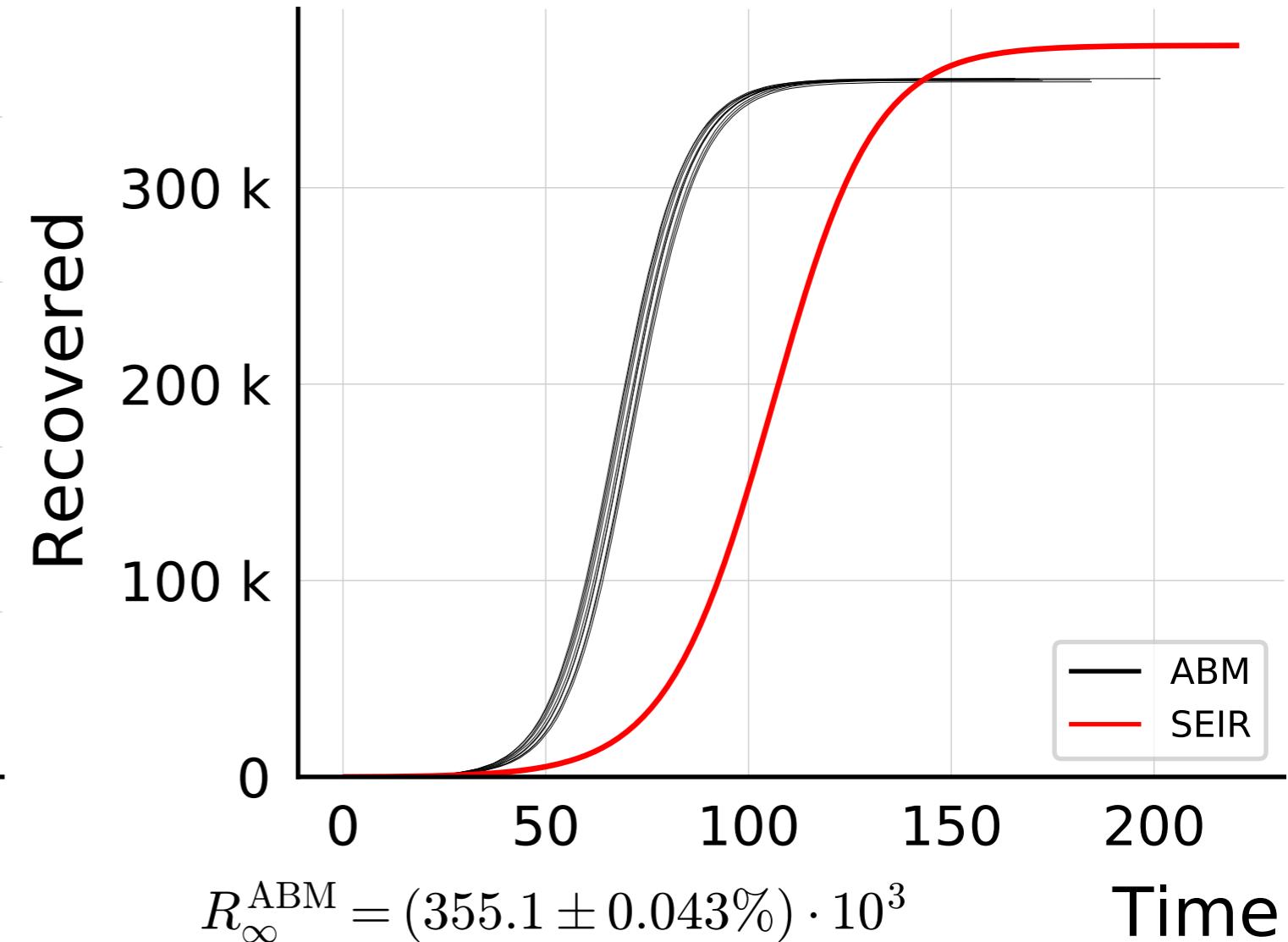
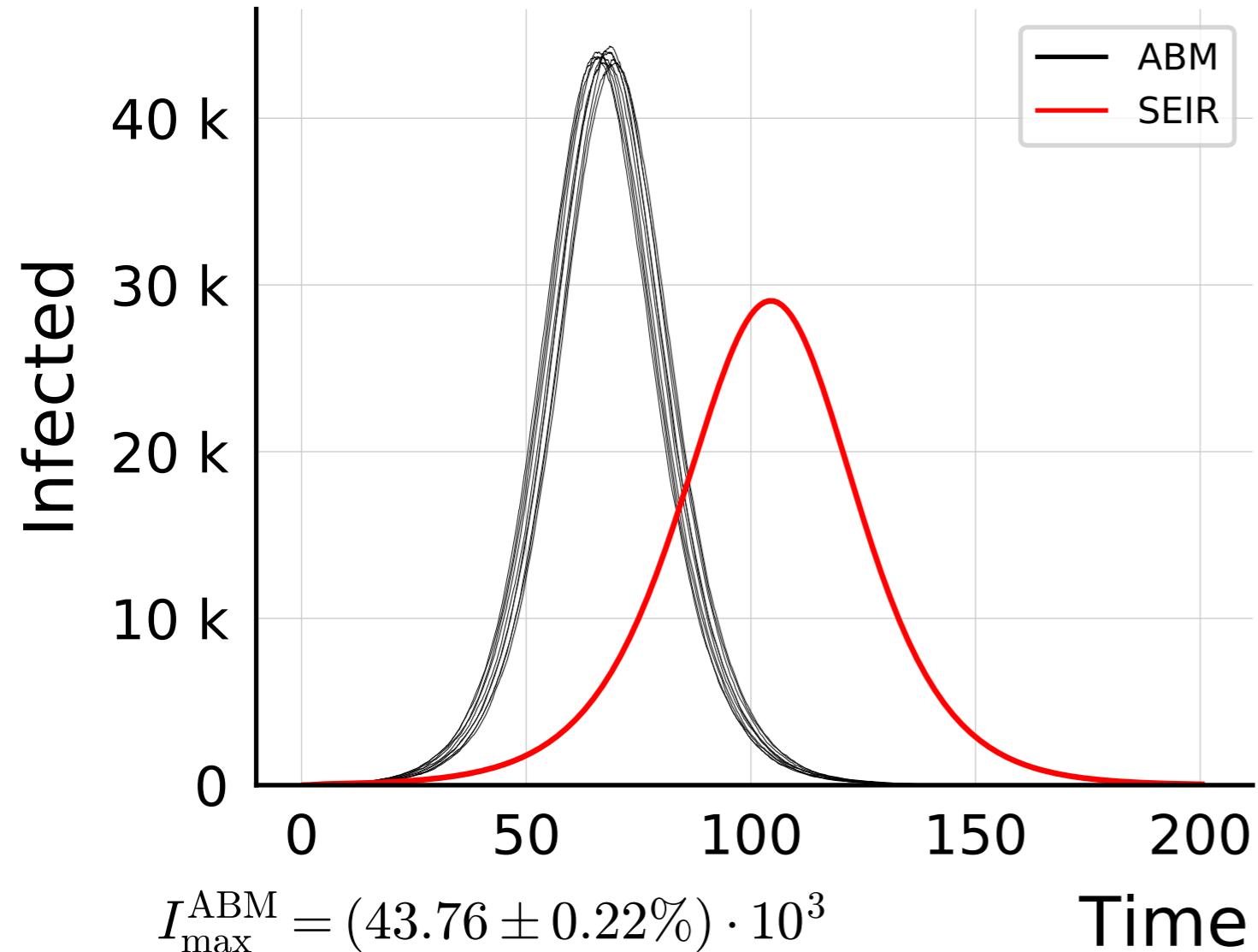
$N_{\text{tot}} = 580K$ ,  $N_{\text{init}} = 100$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.25$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$   
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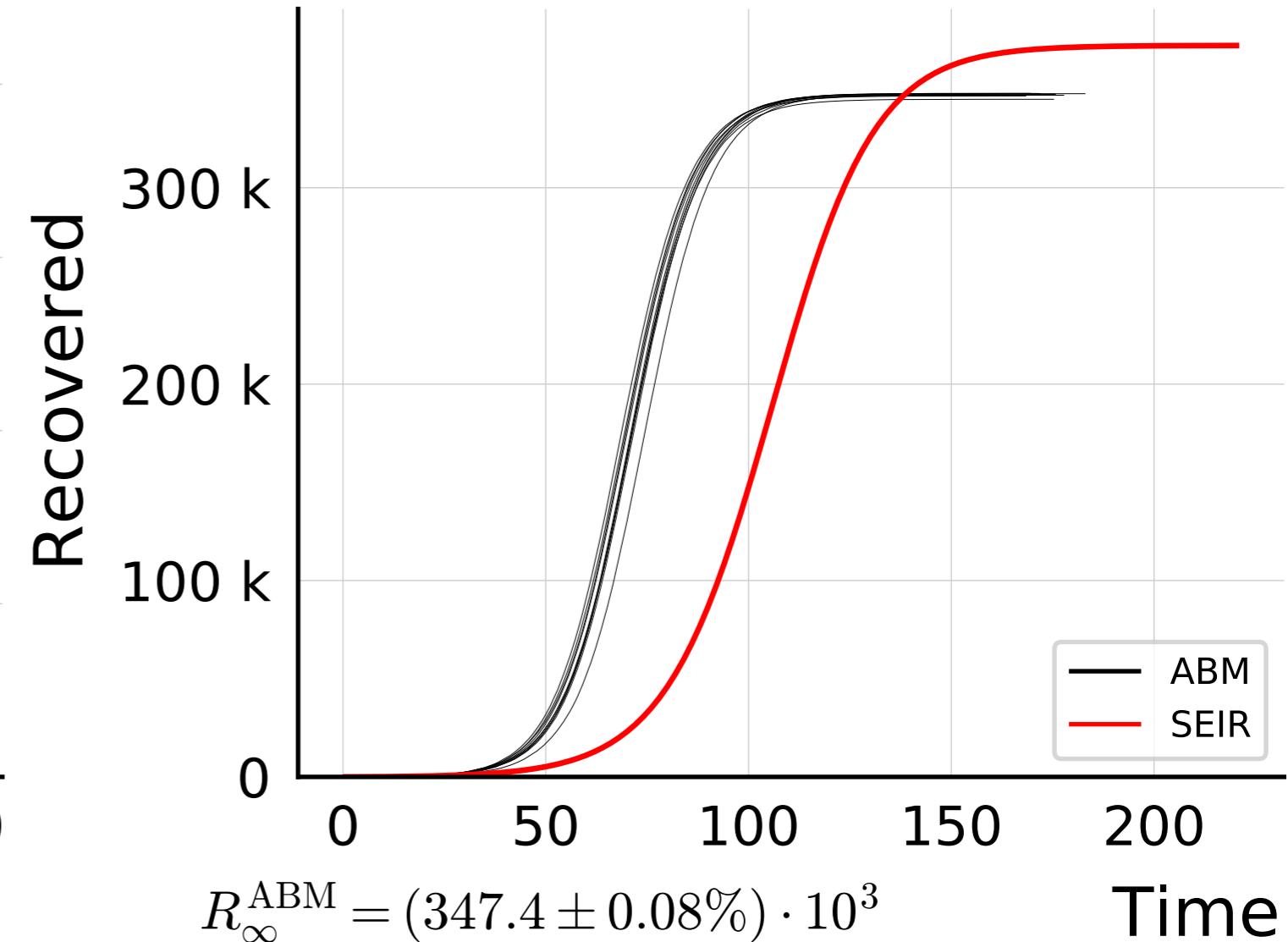
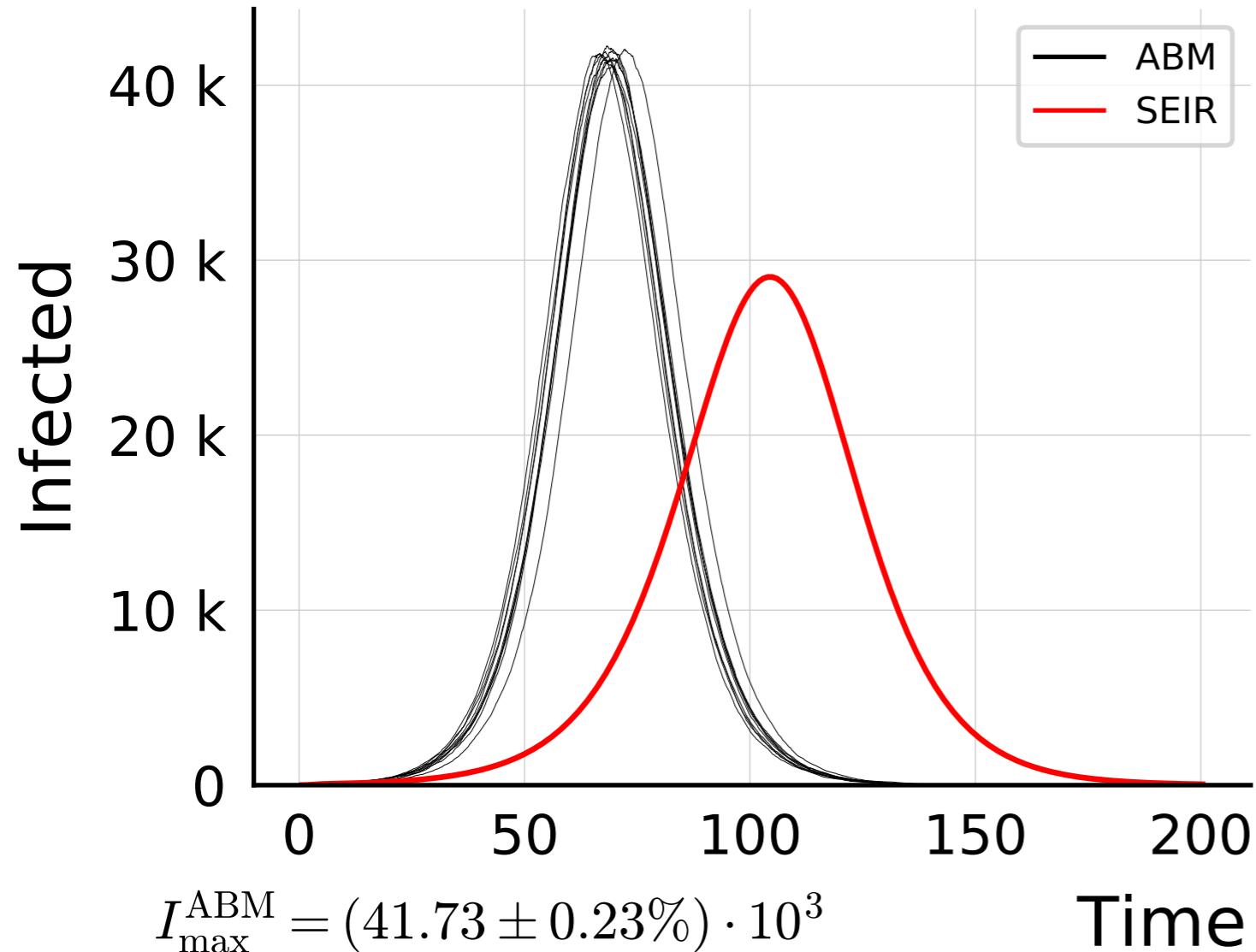
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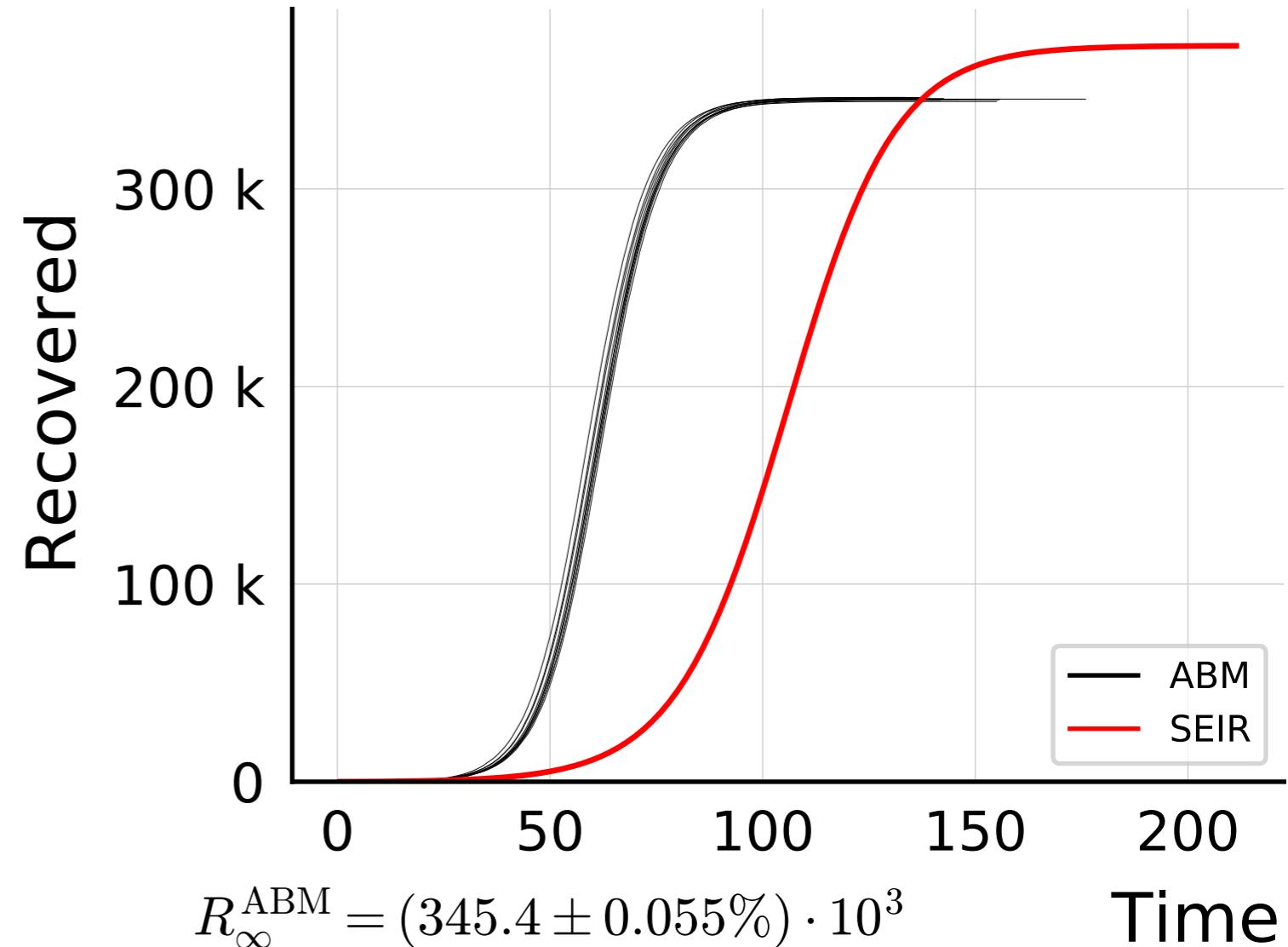
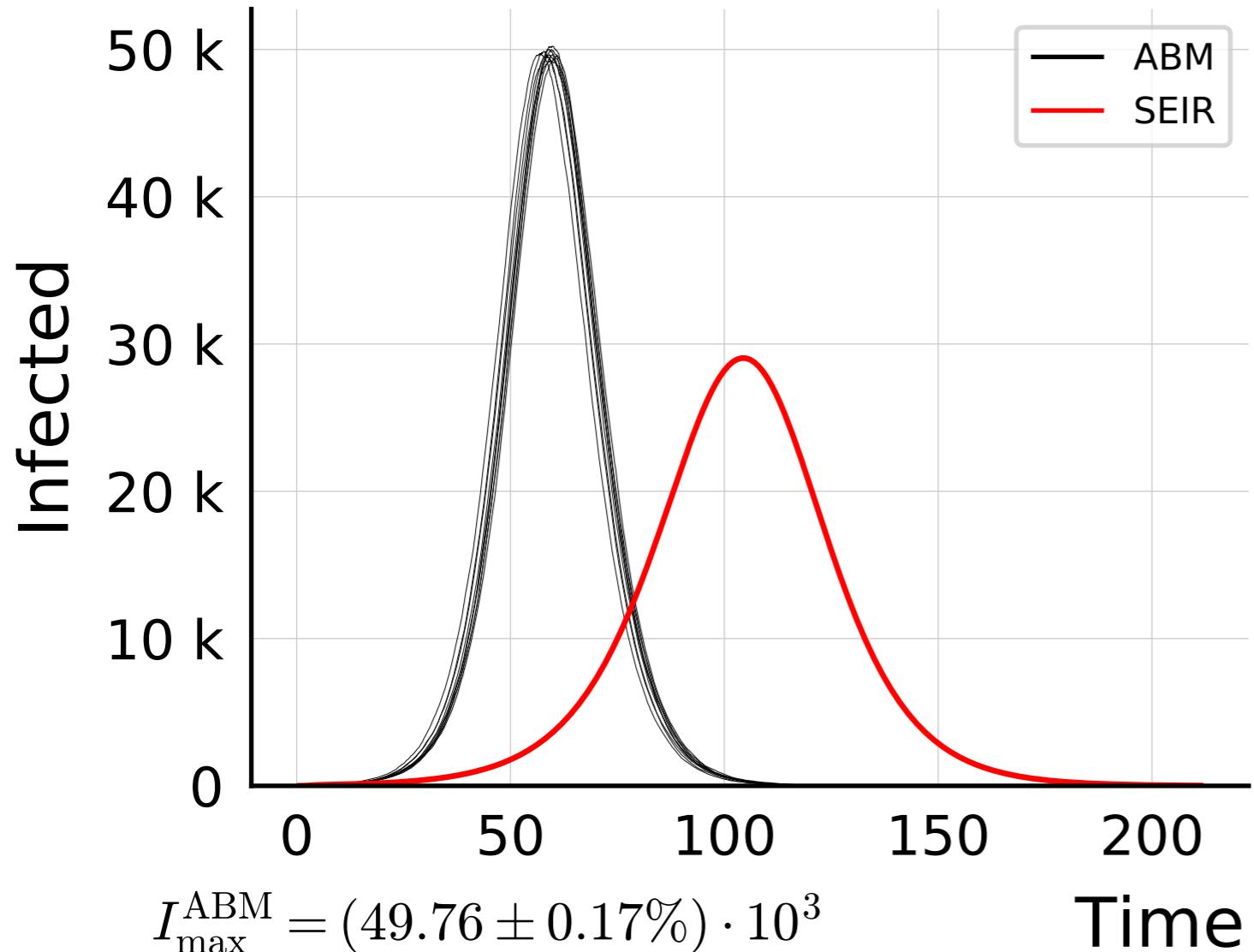
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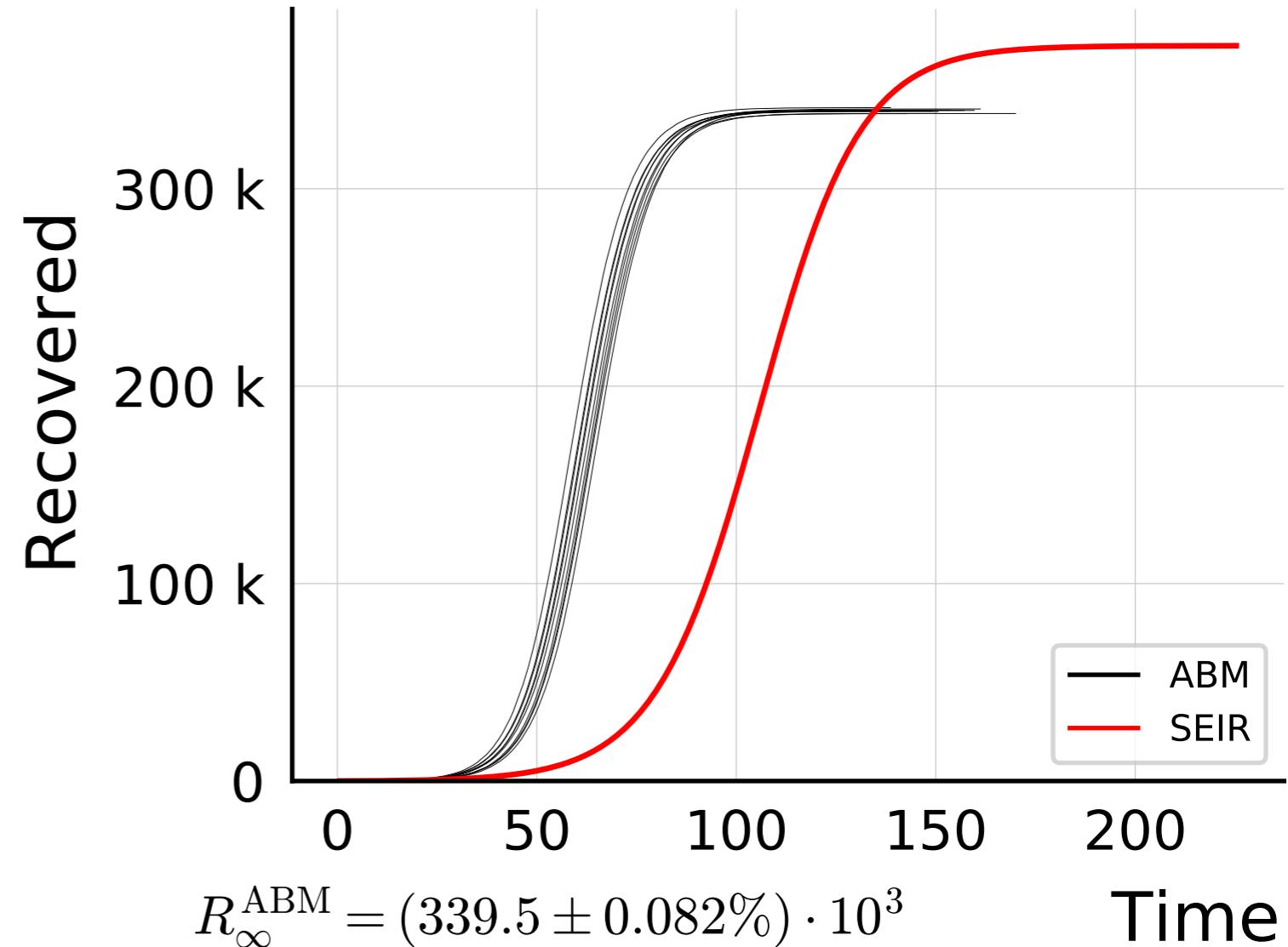
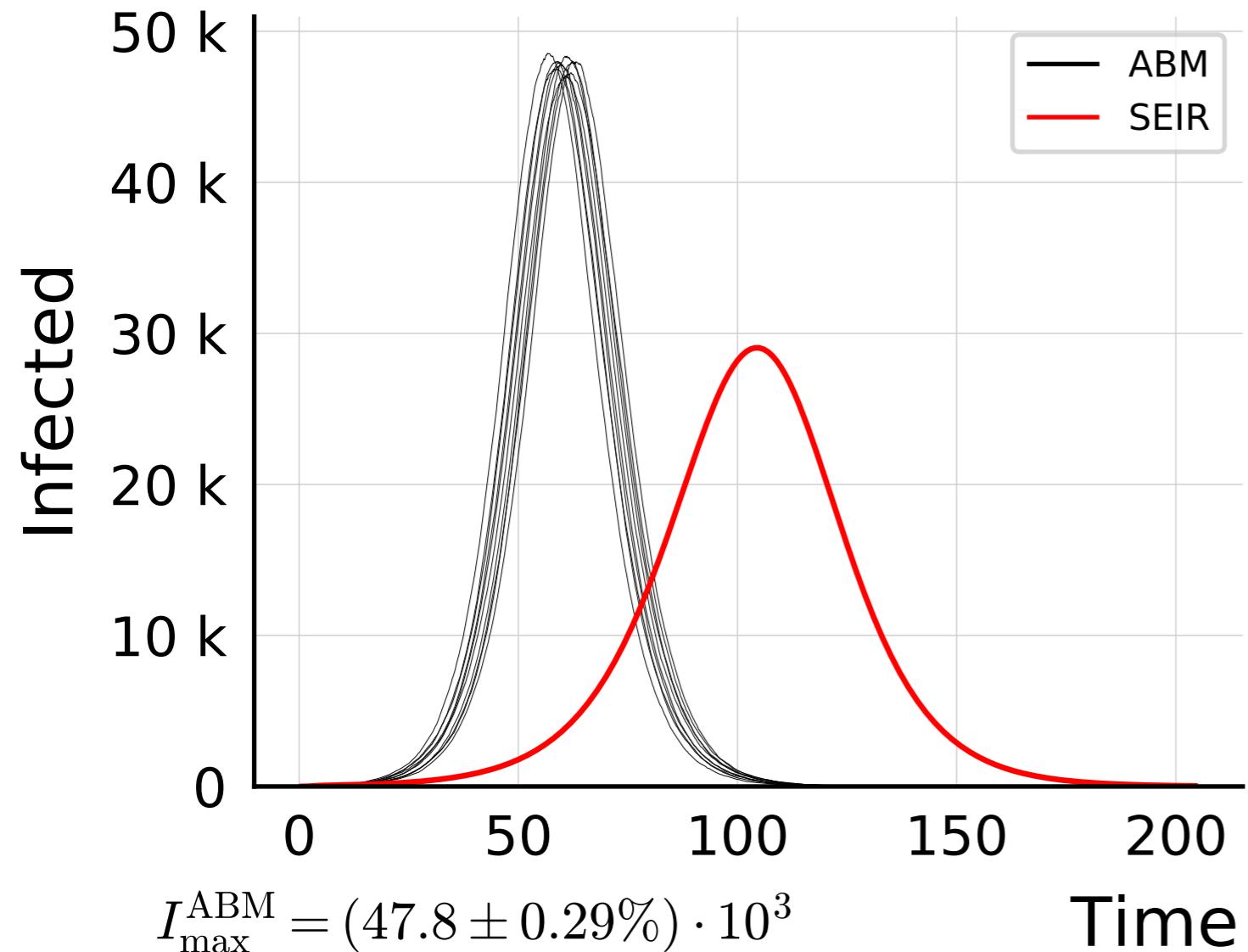
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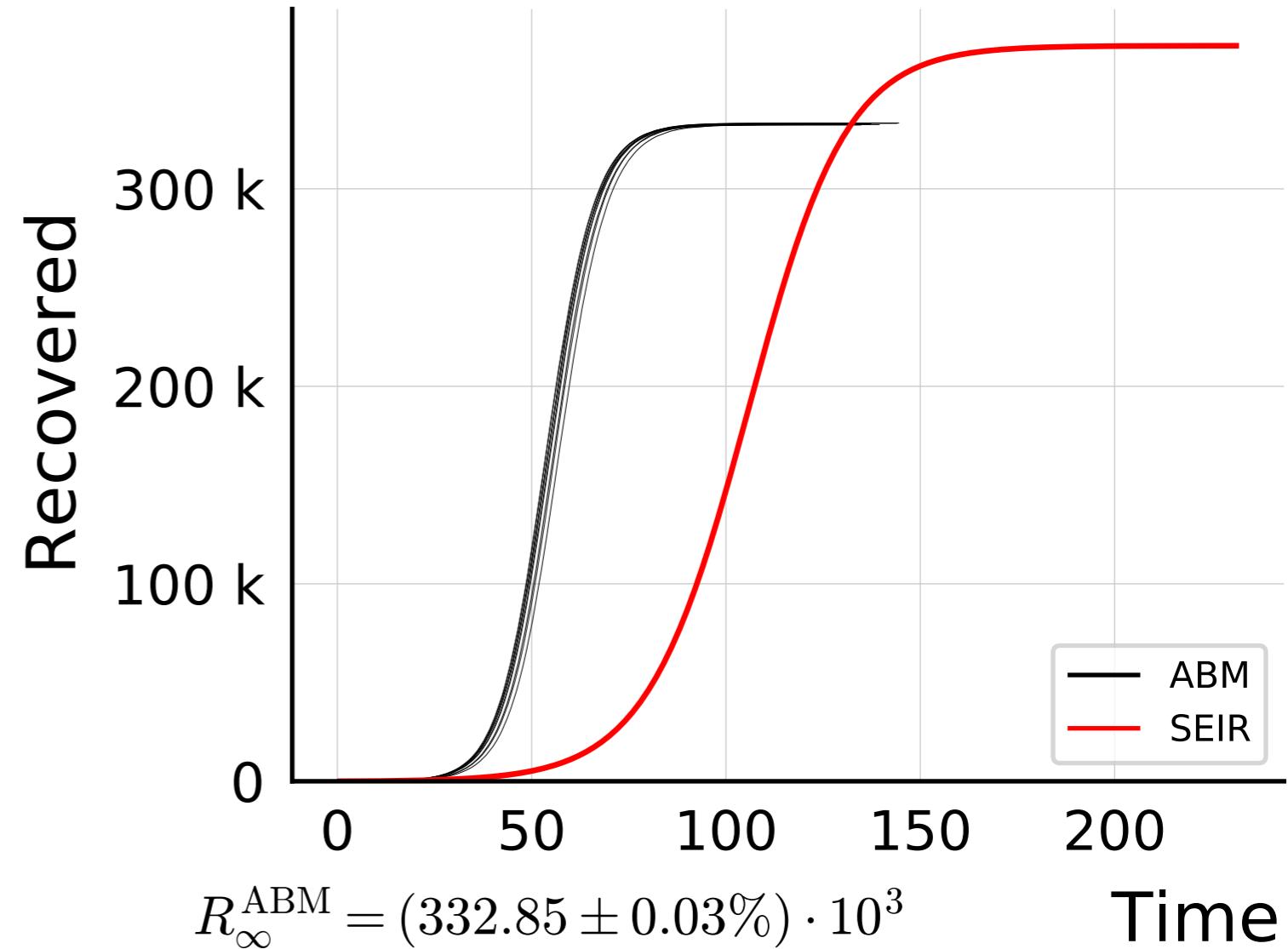
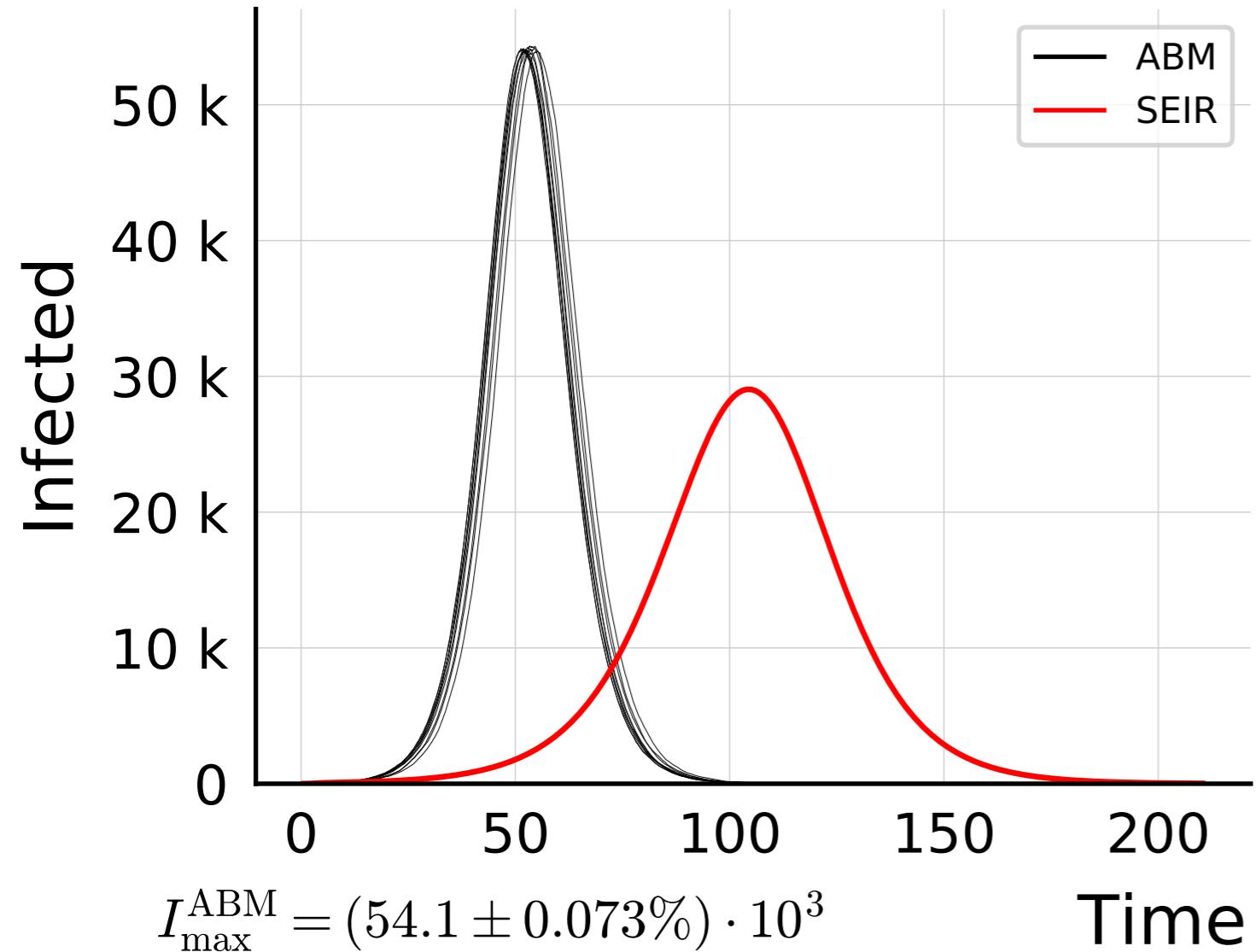
$N_{\text{tot}} = 580K$ ,  $N_{\text{init}} = 100$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.75$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$   
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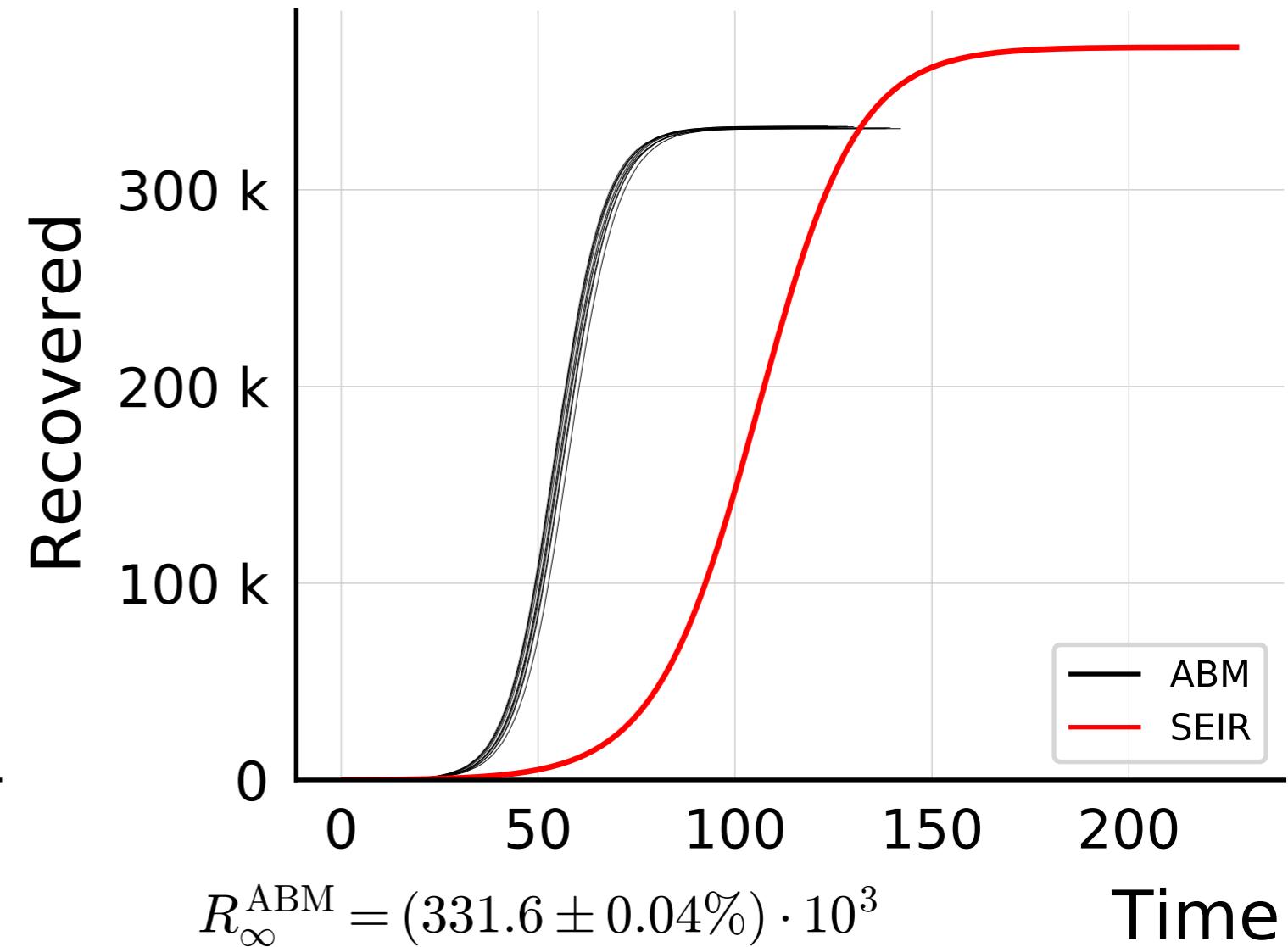
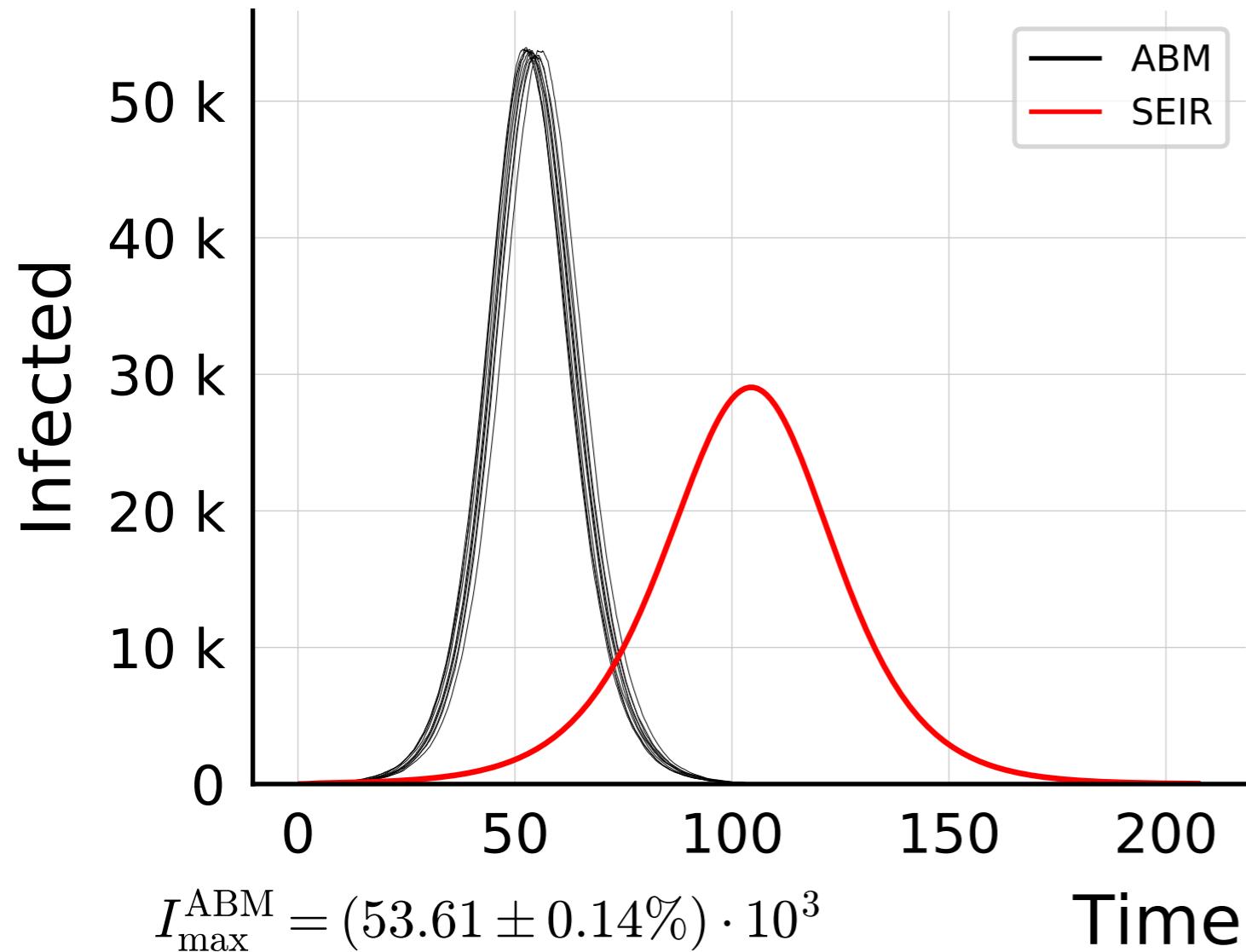
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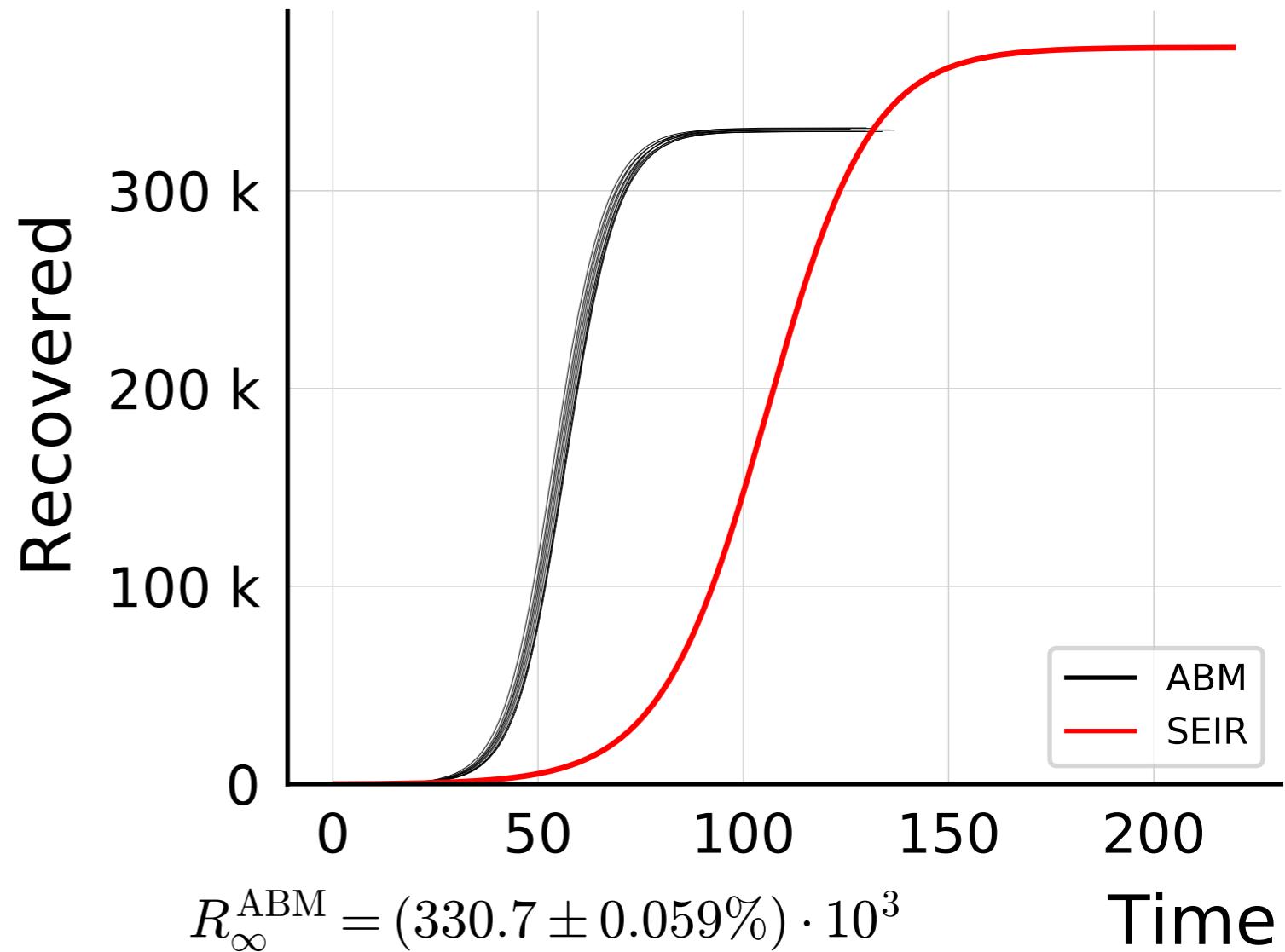
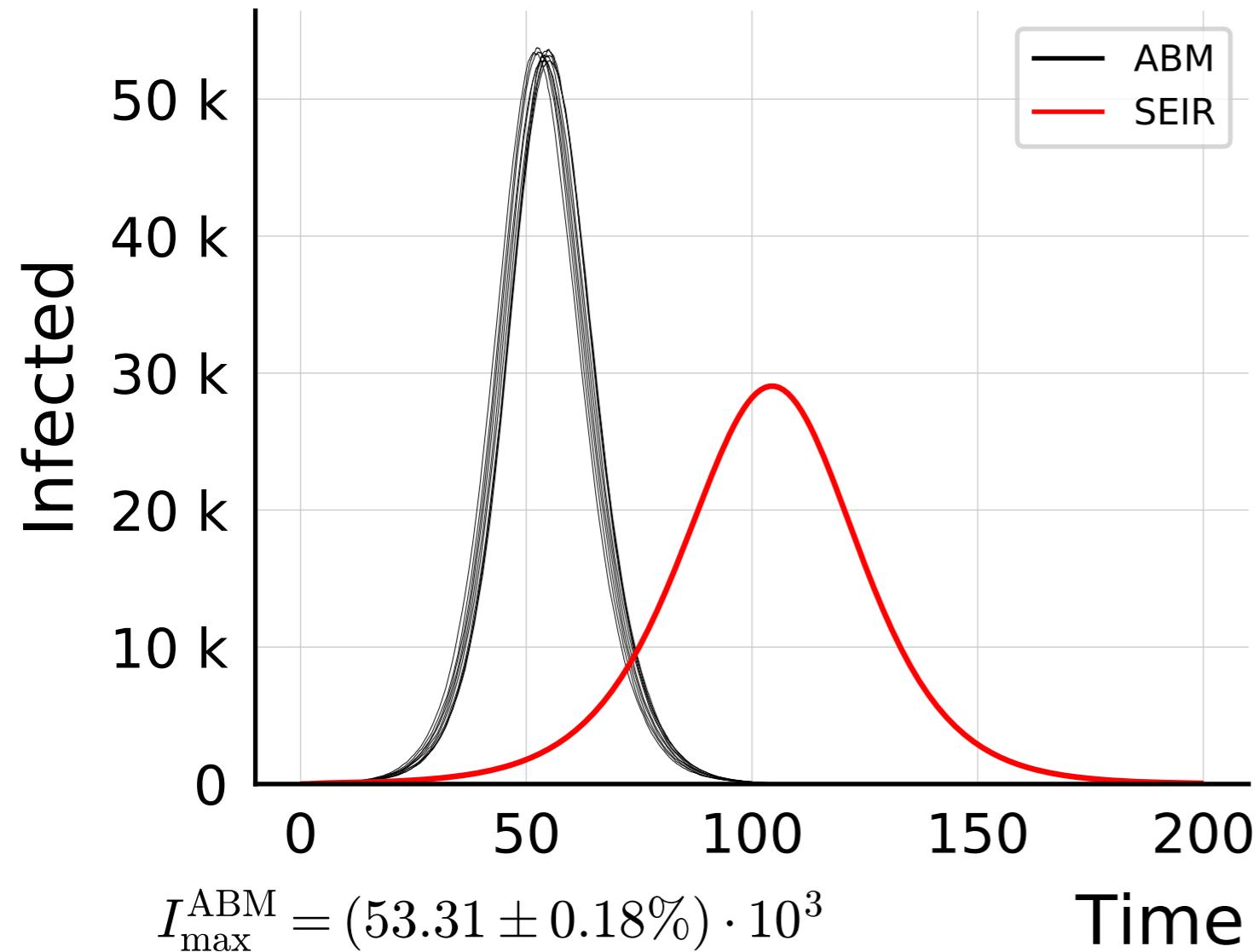
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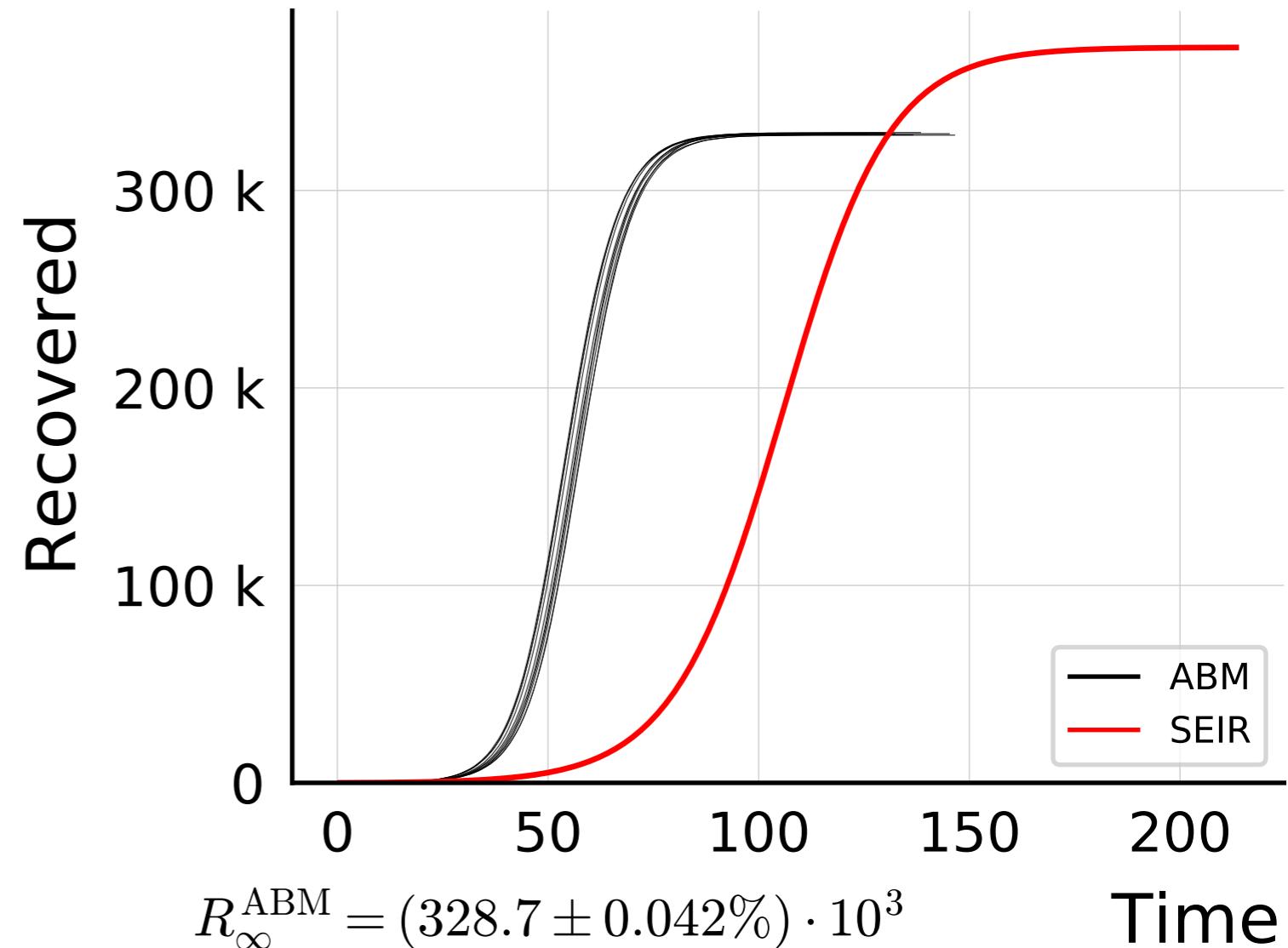
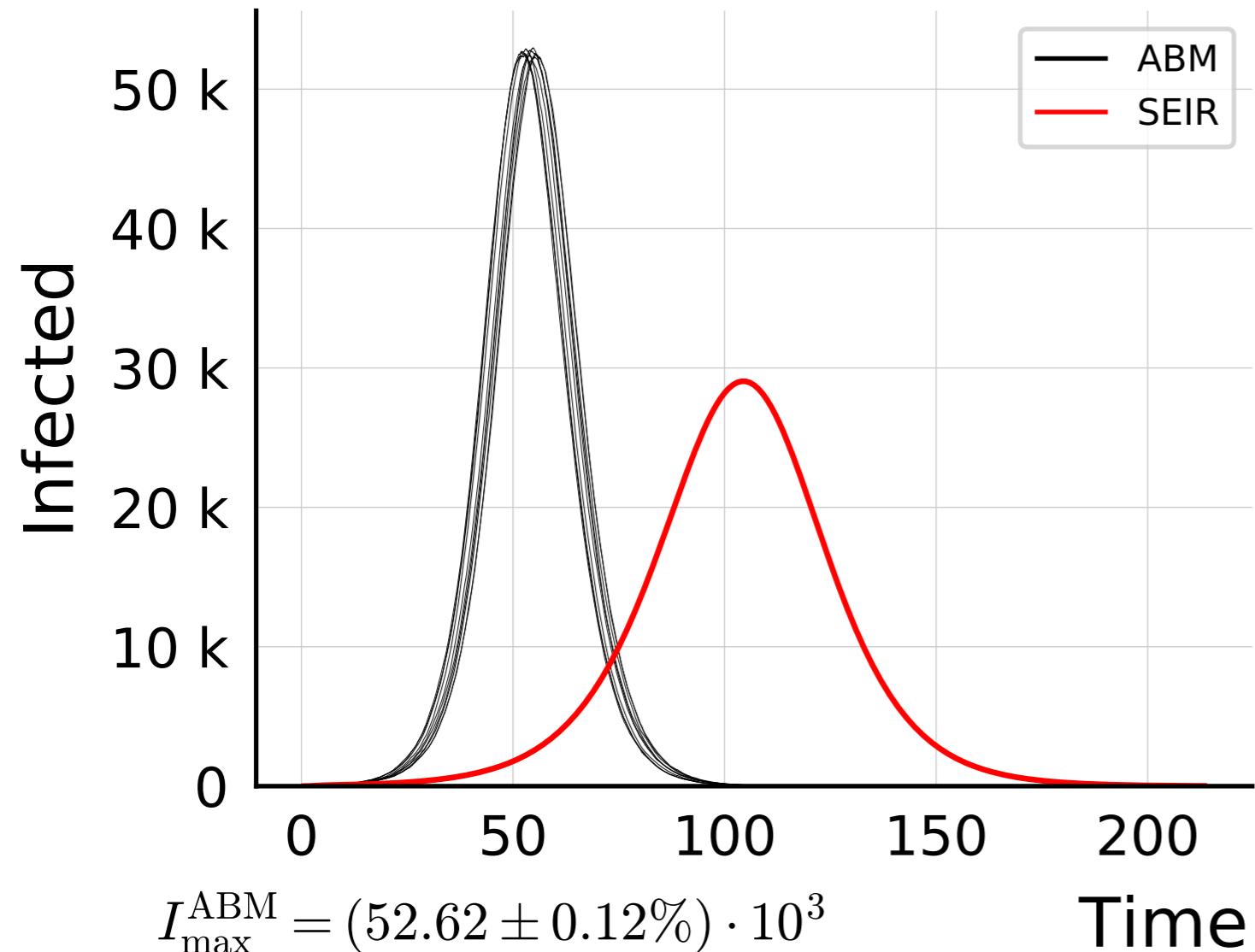
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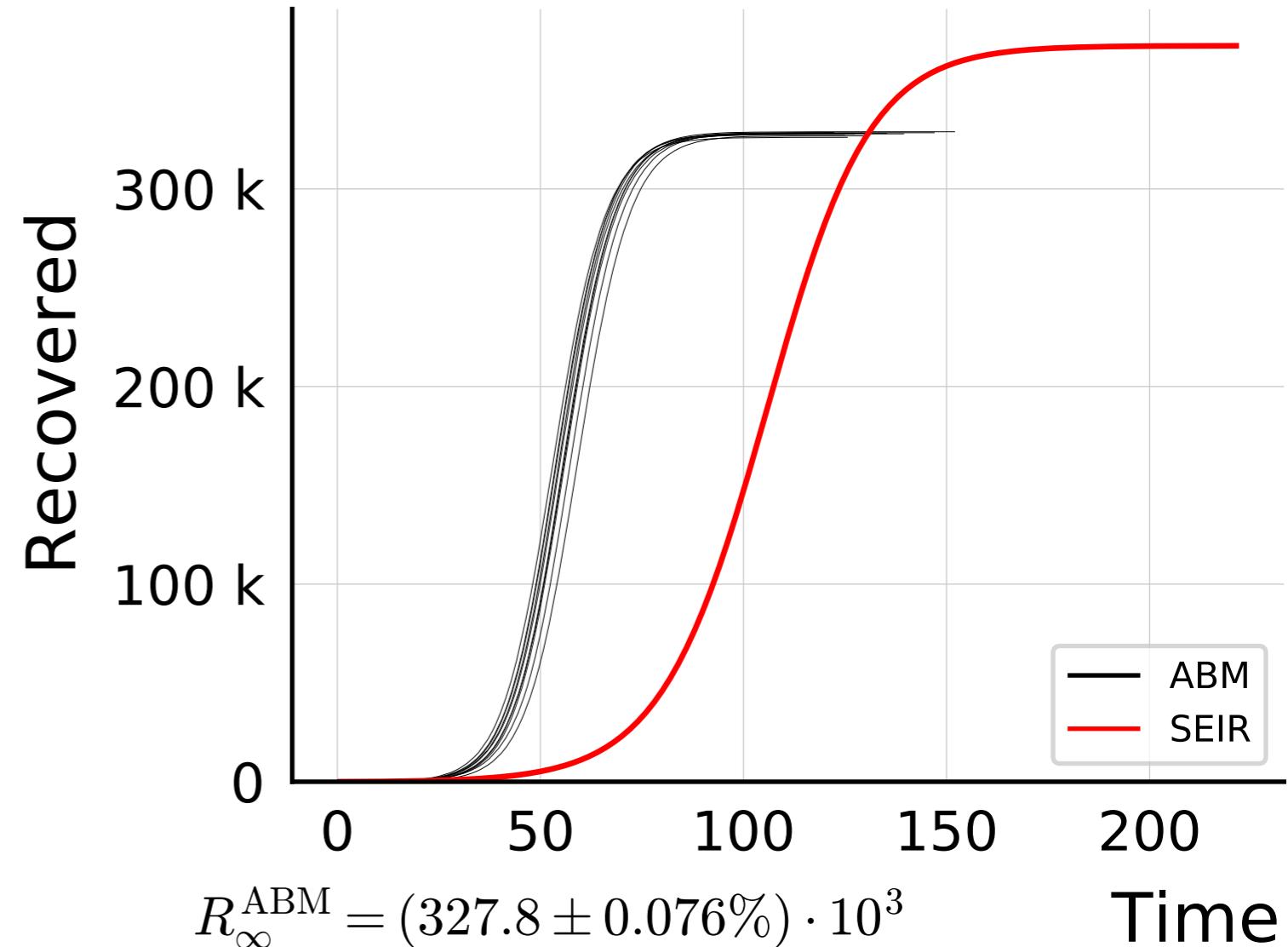
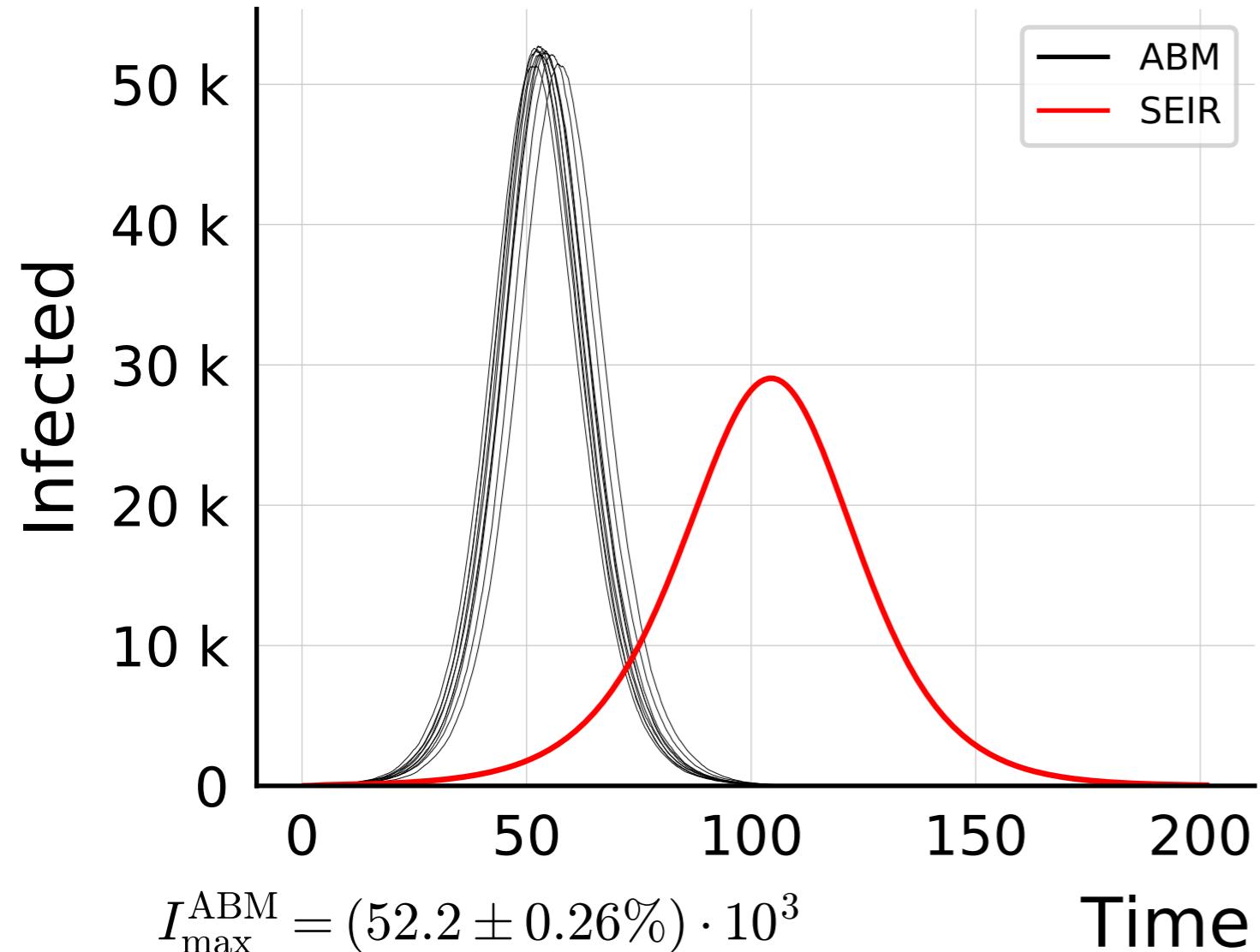
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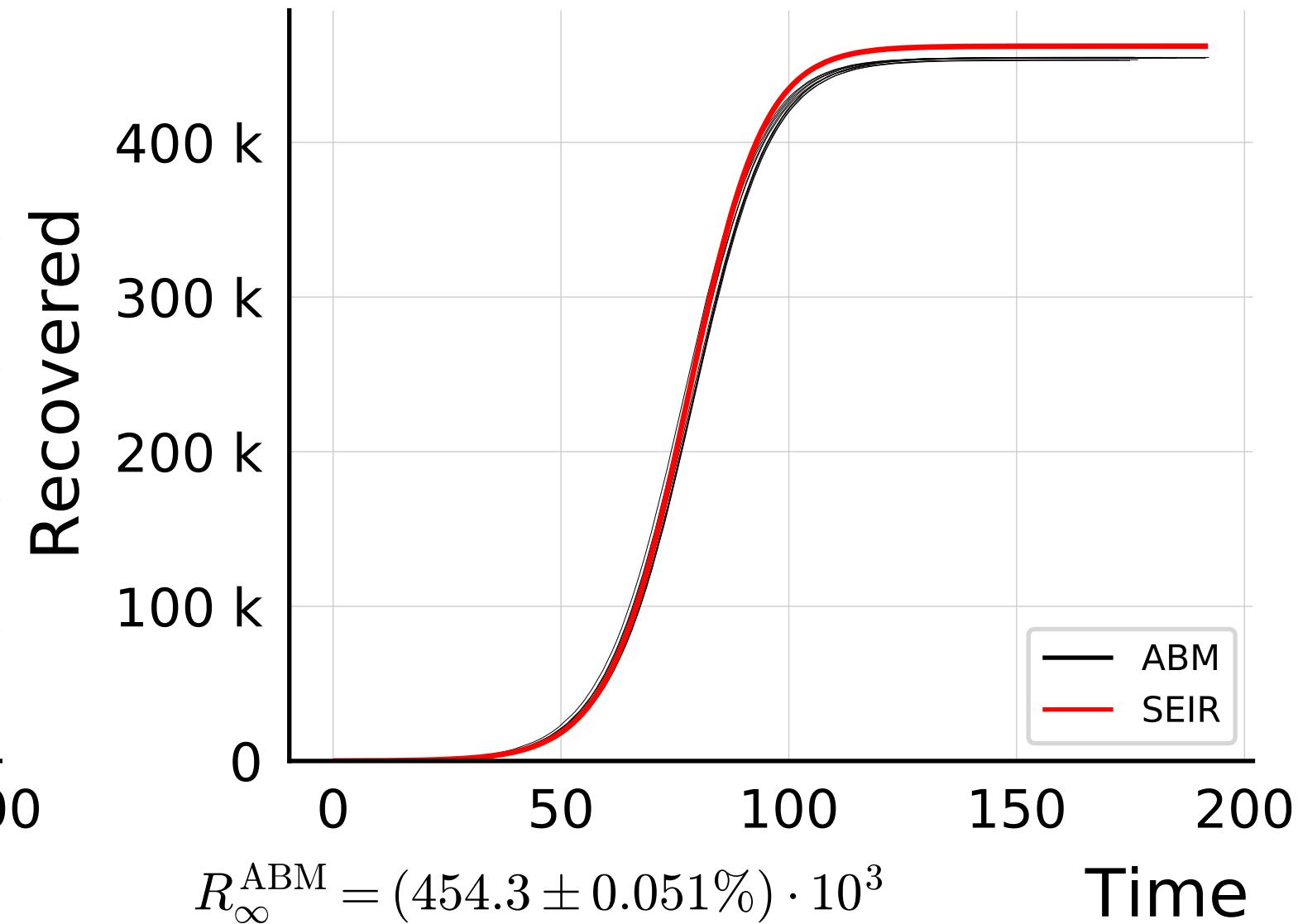
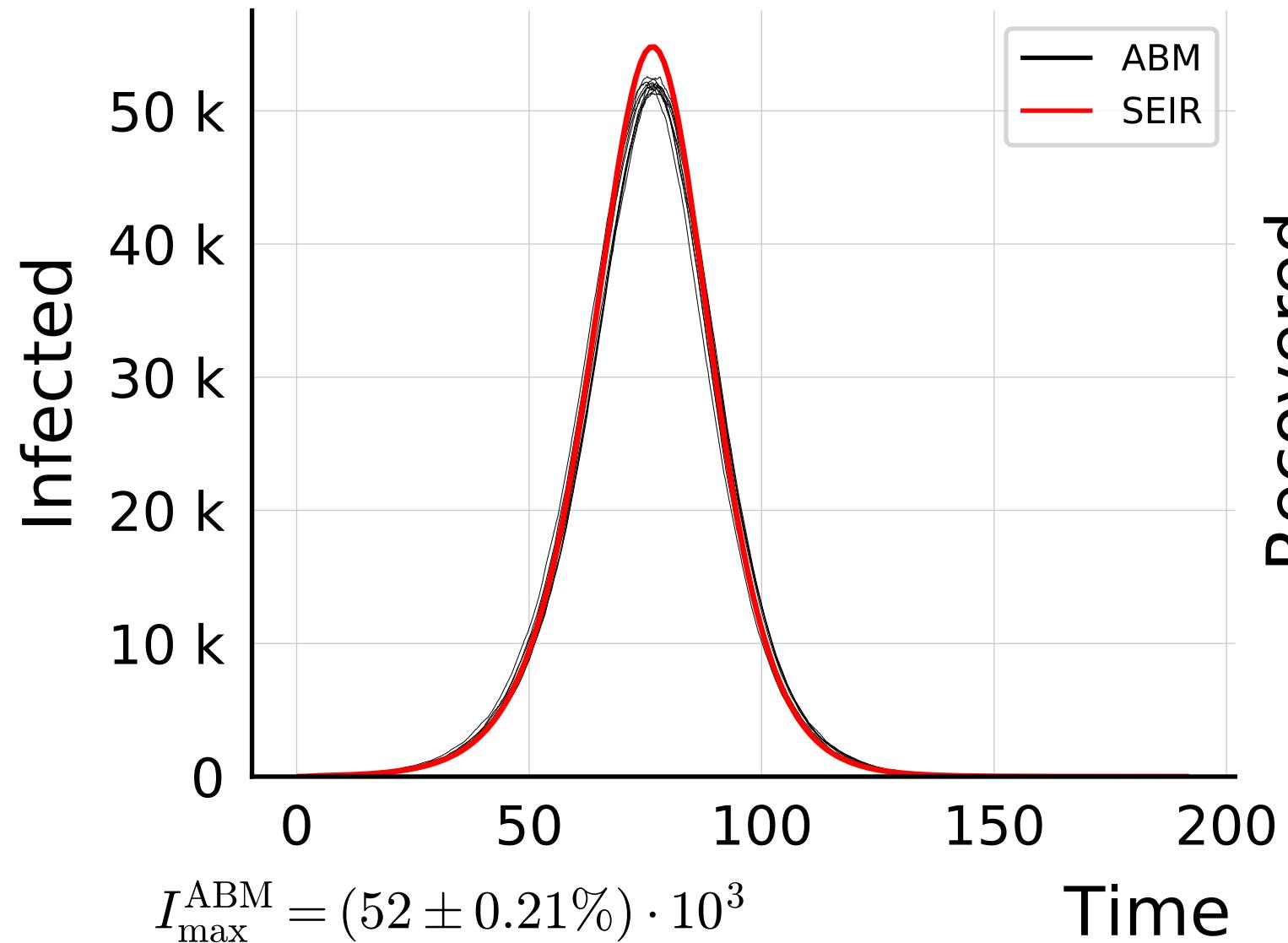
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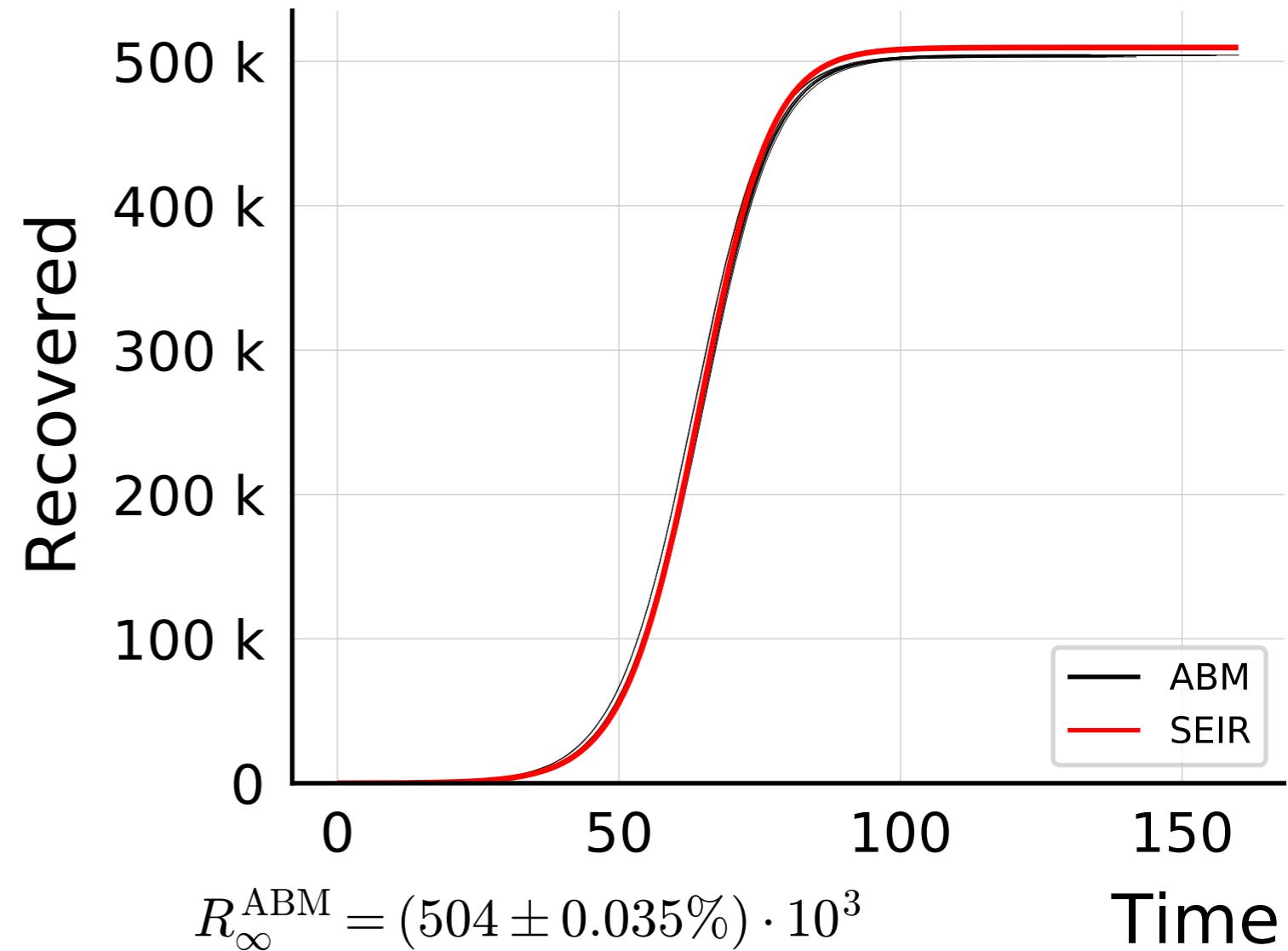
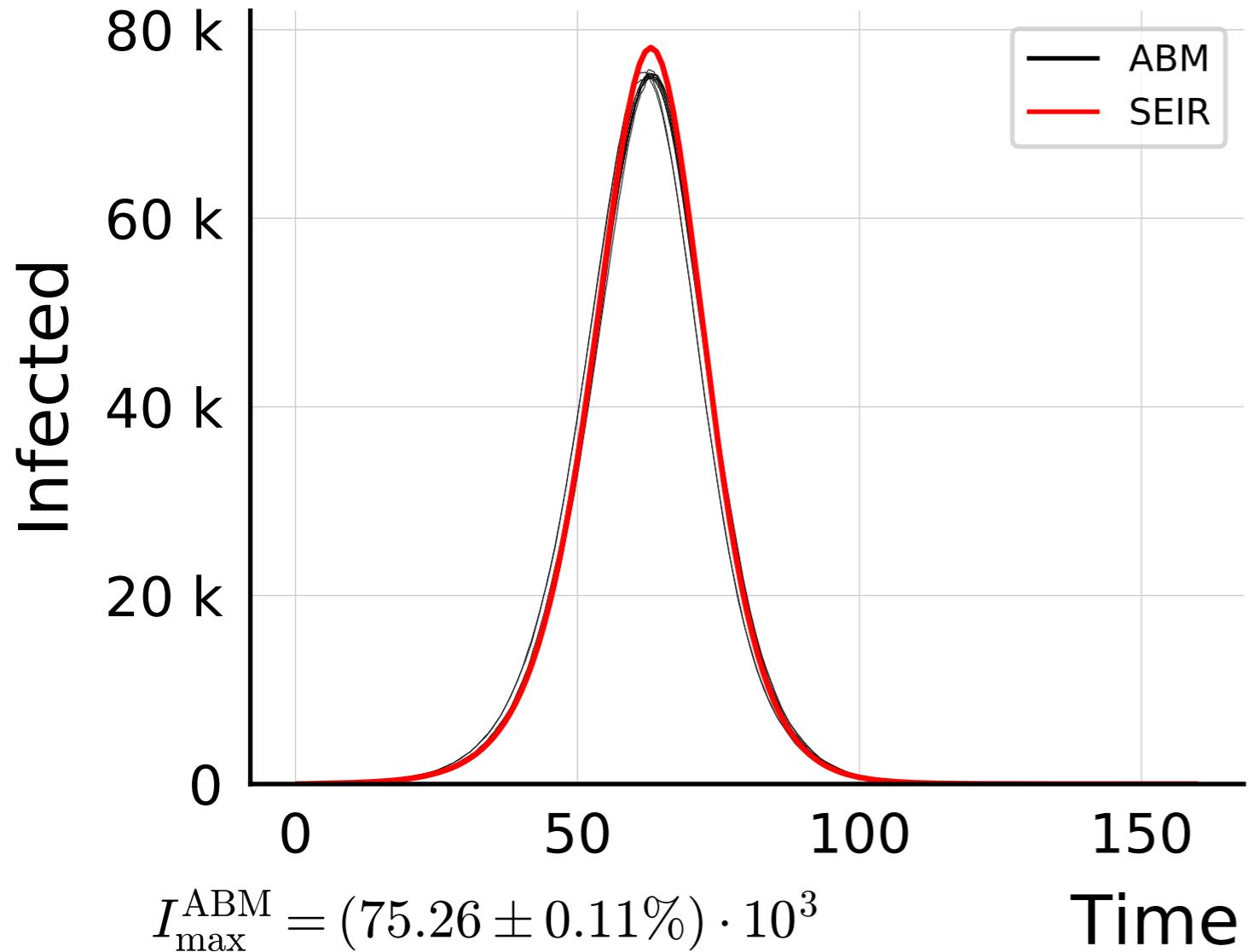
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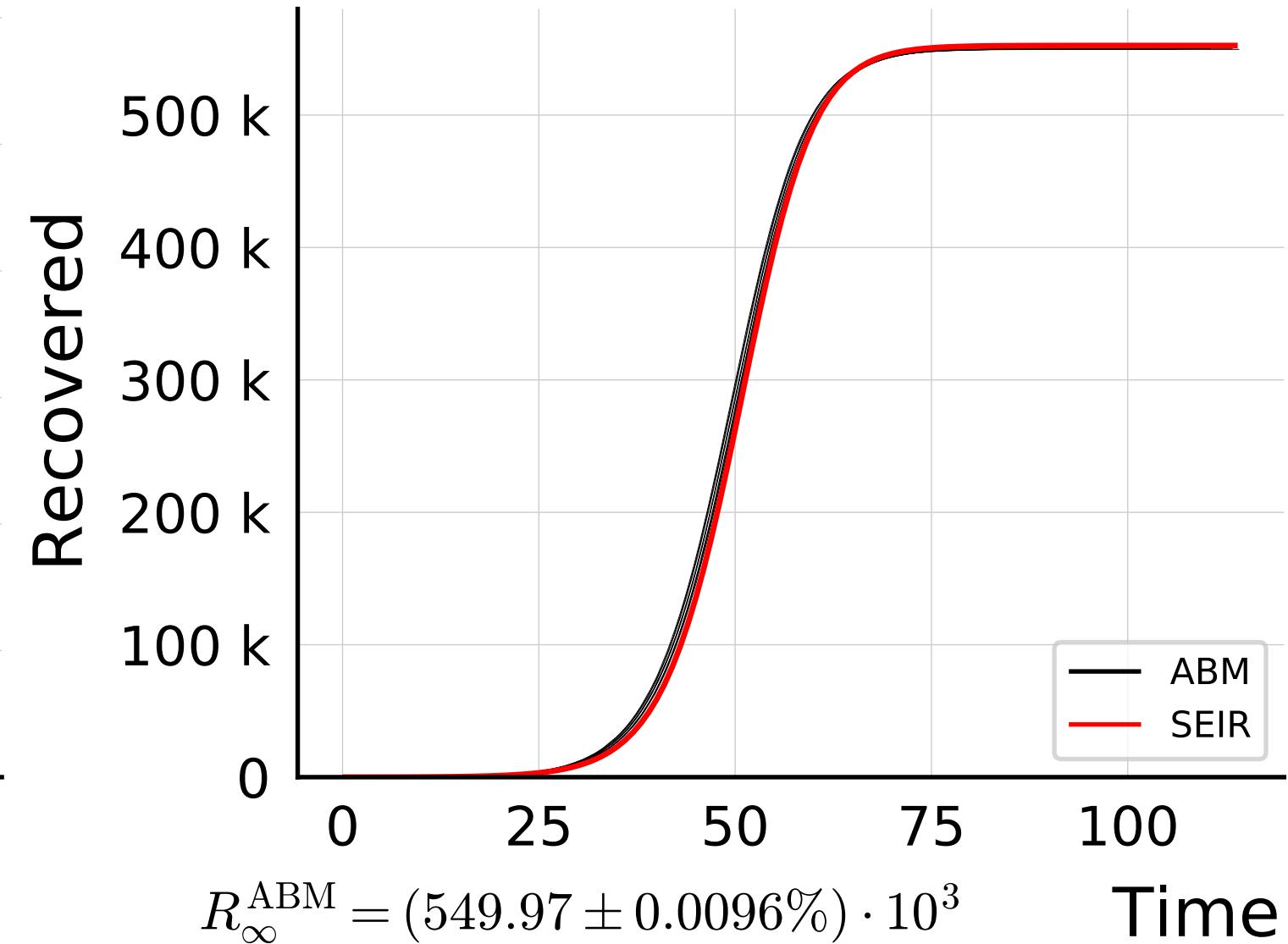
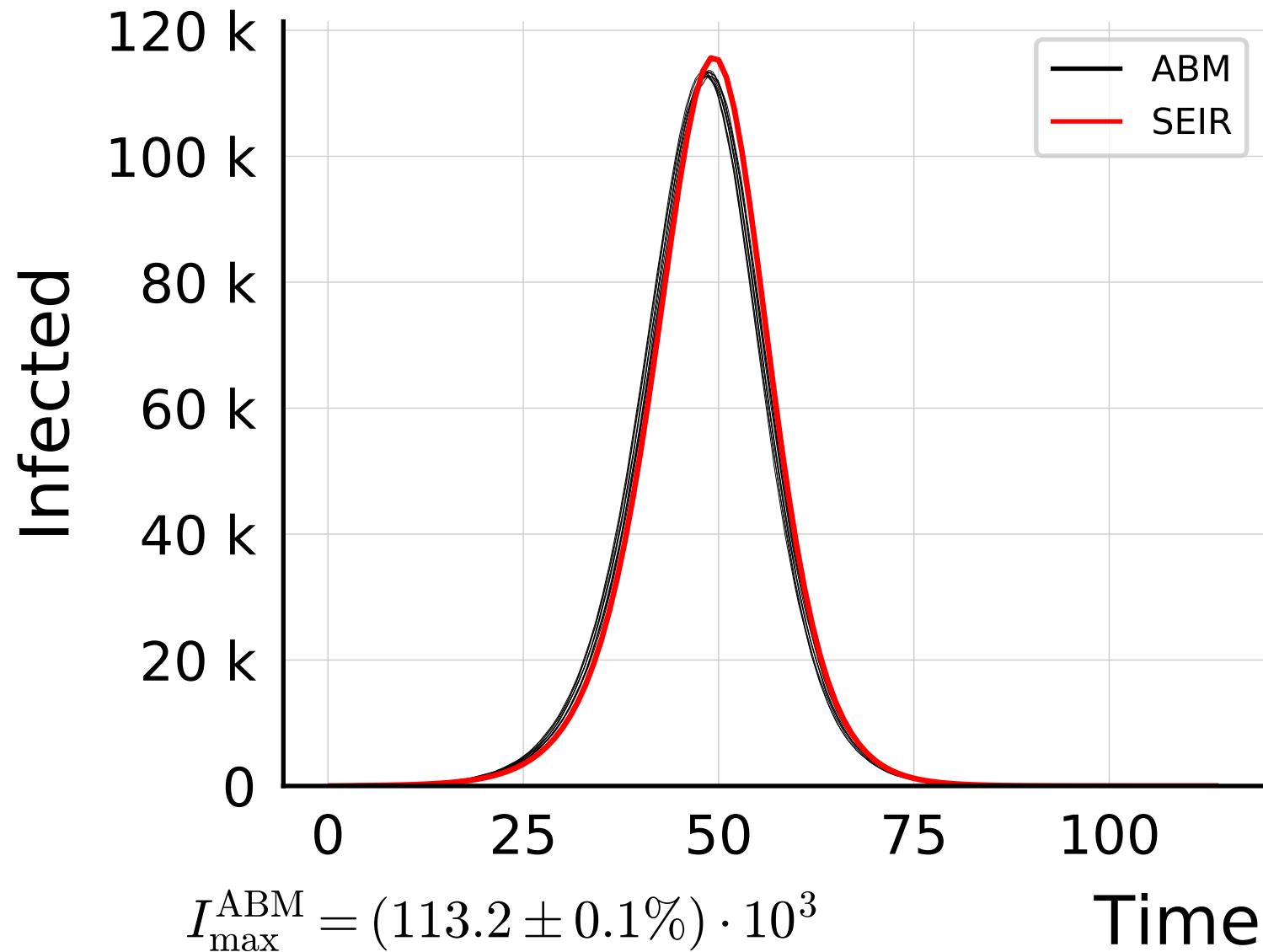
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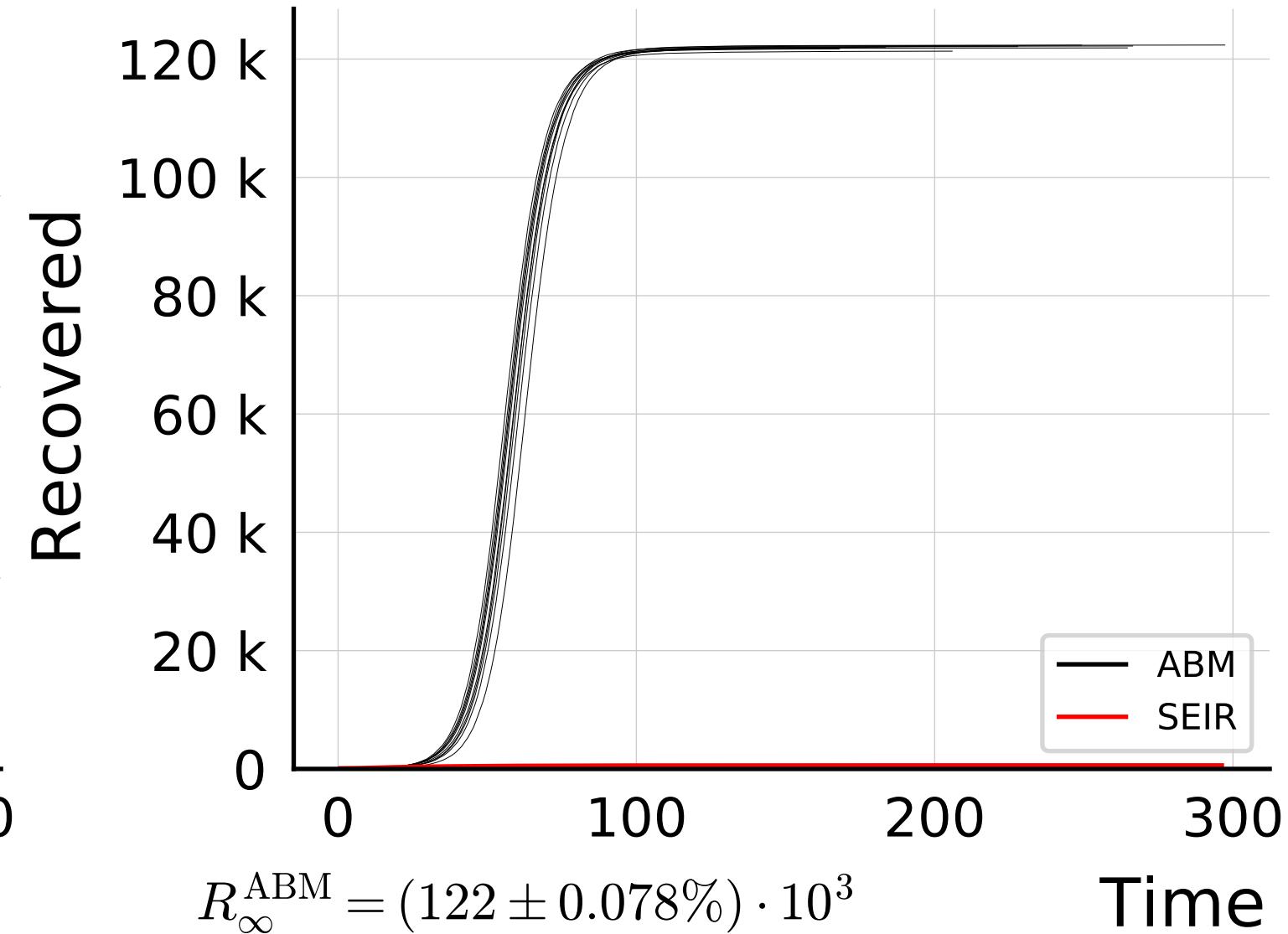
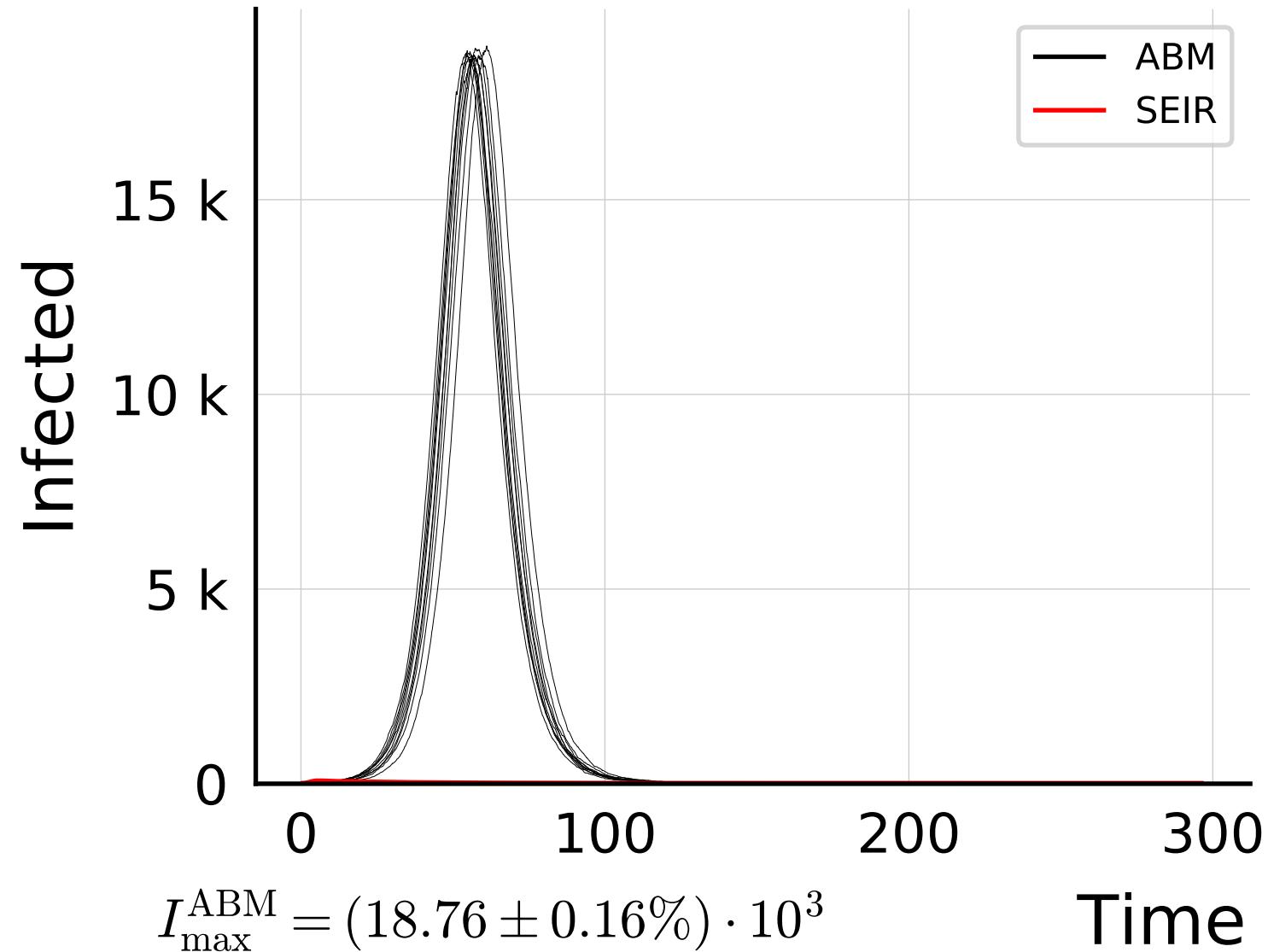
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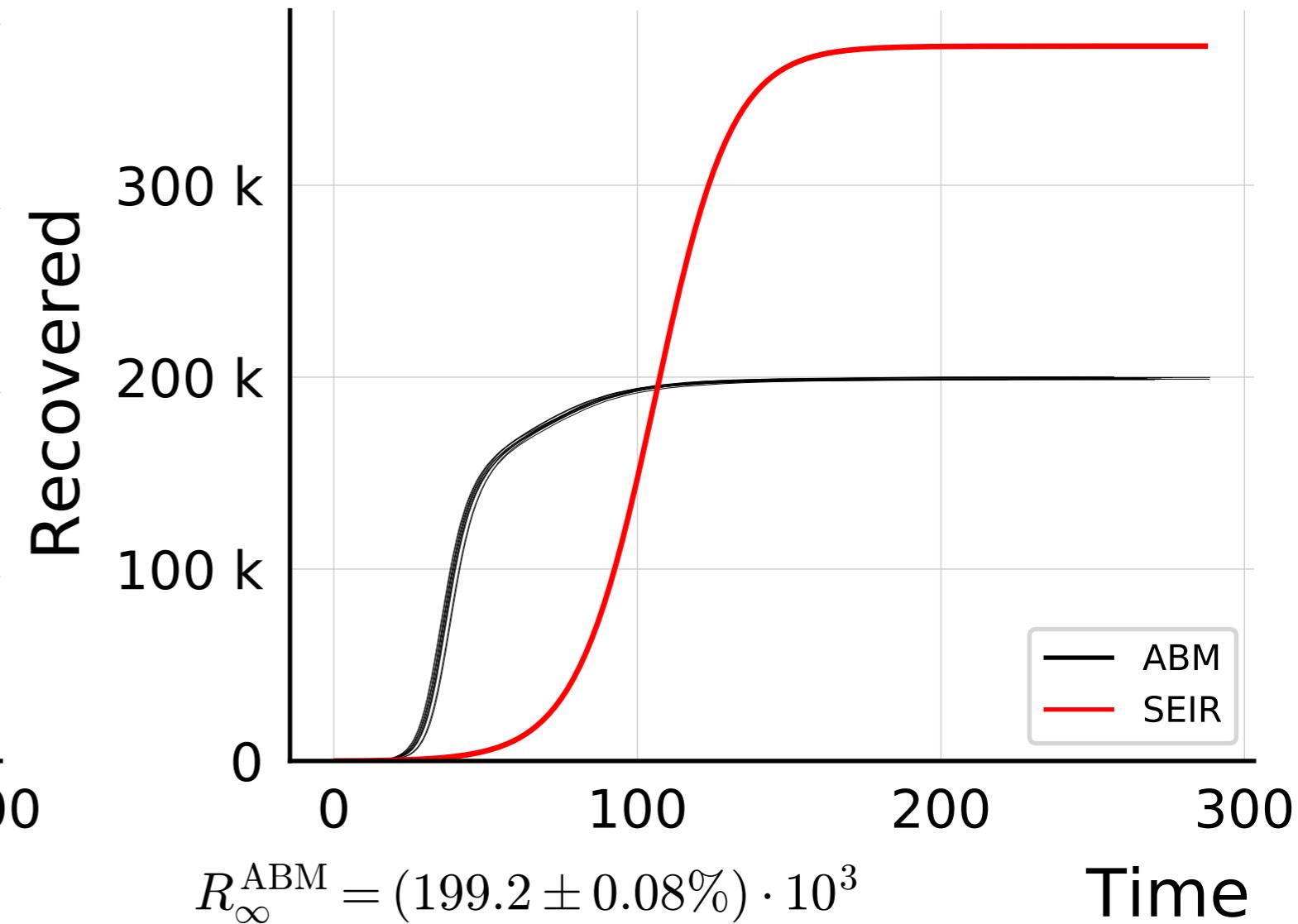
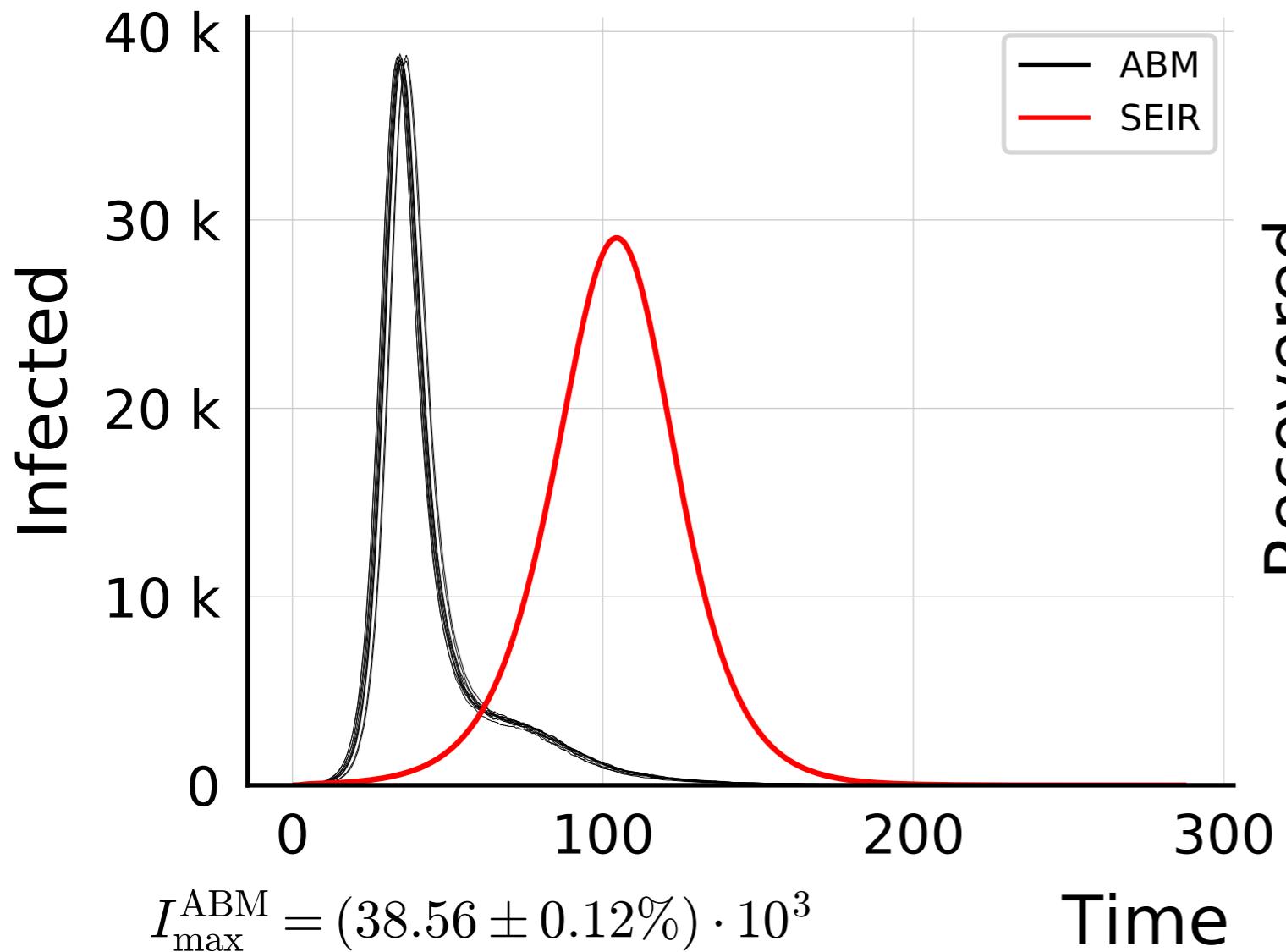
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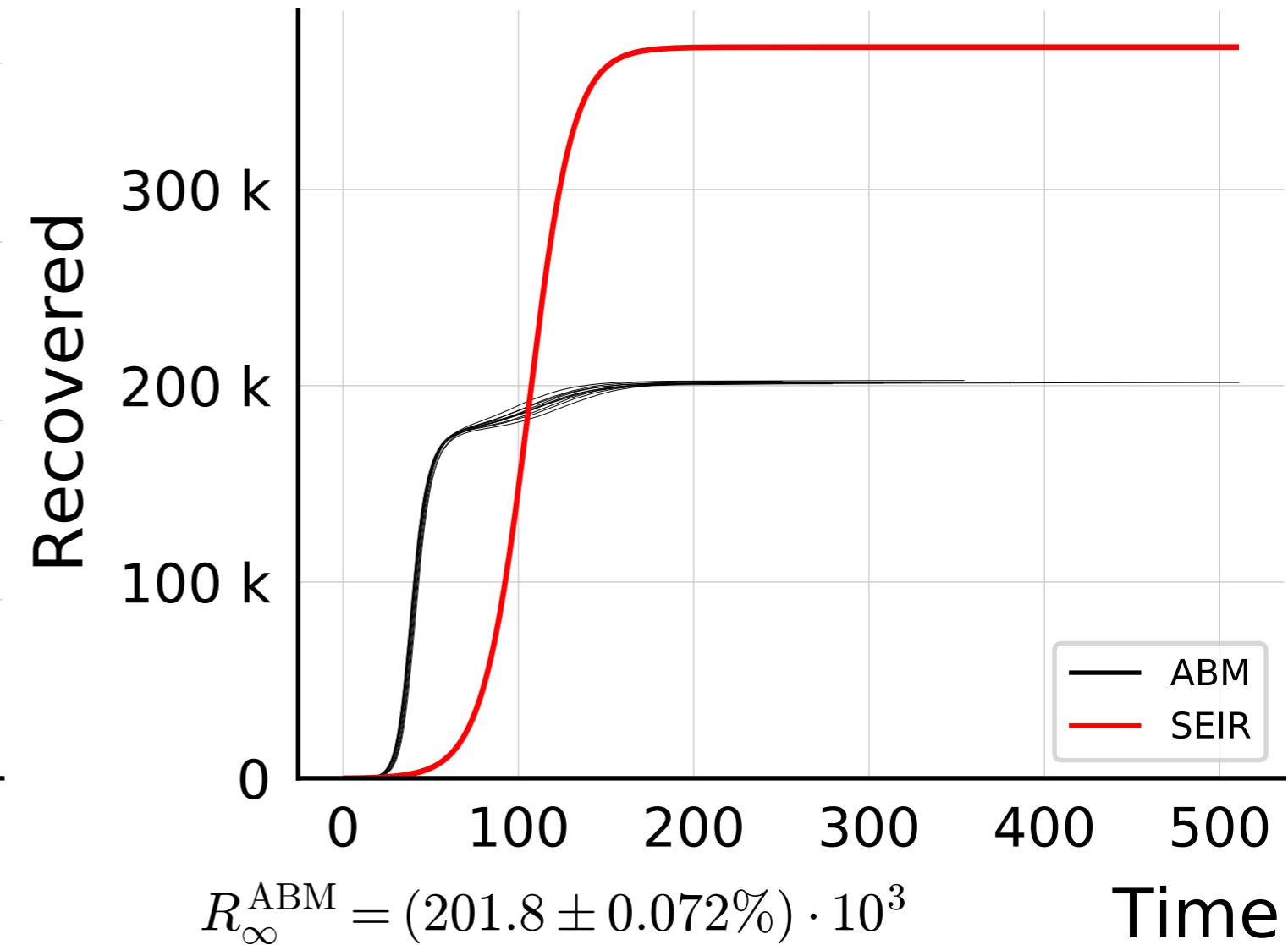
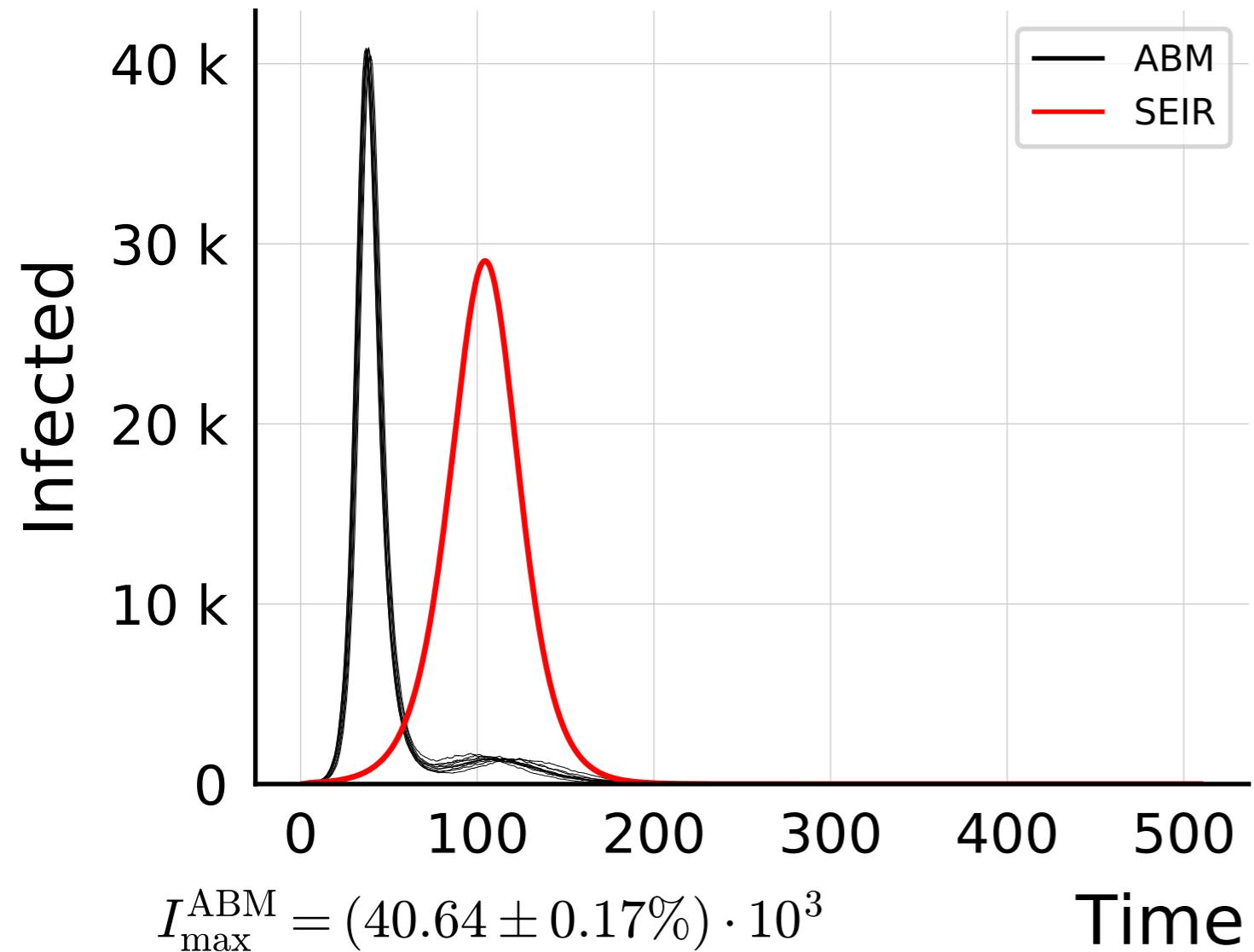
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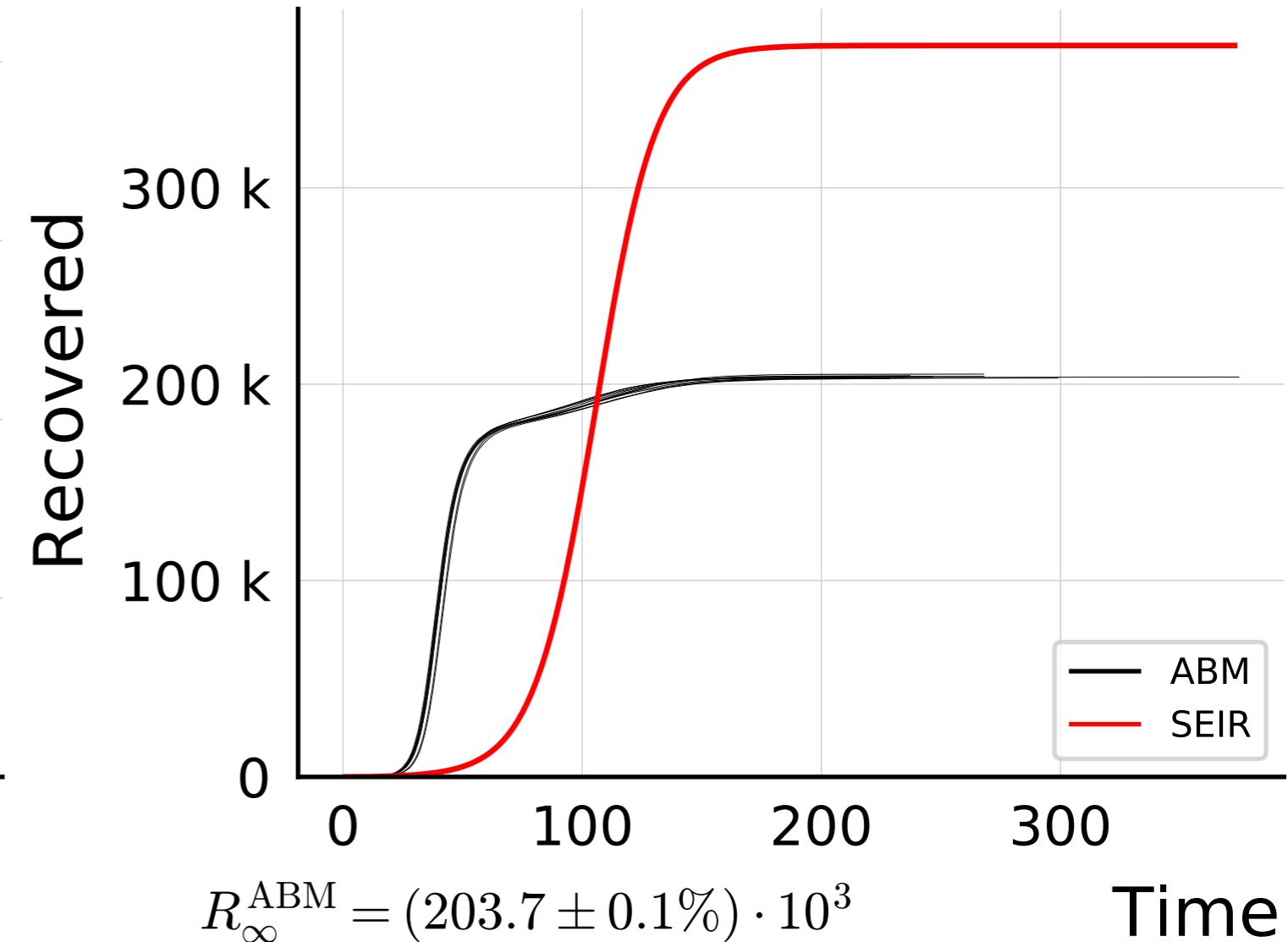
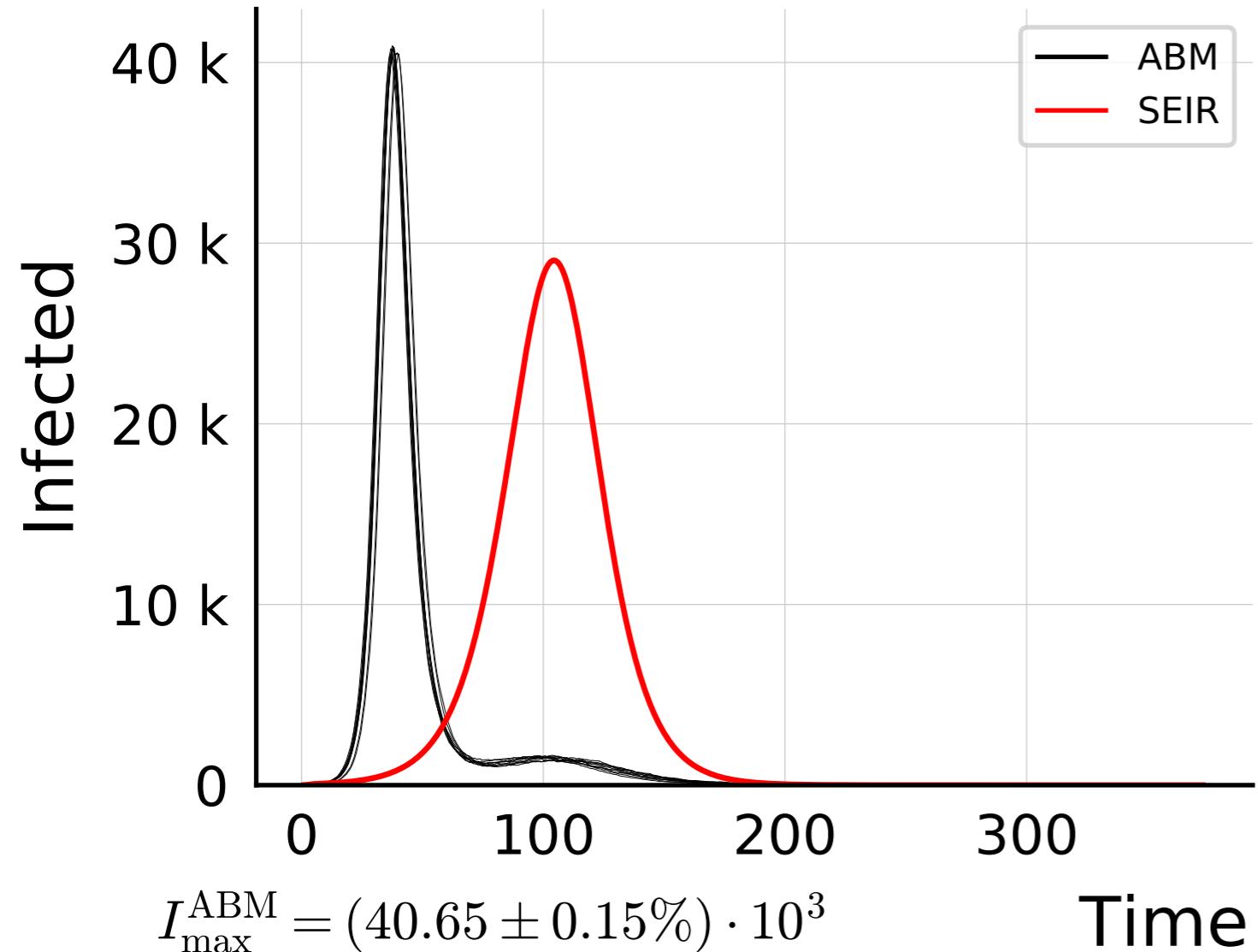
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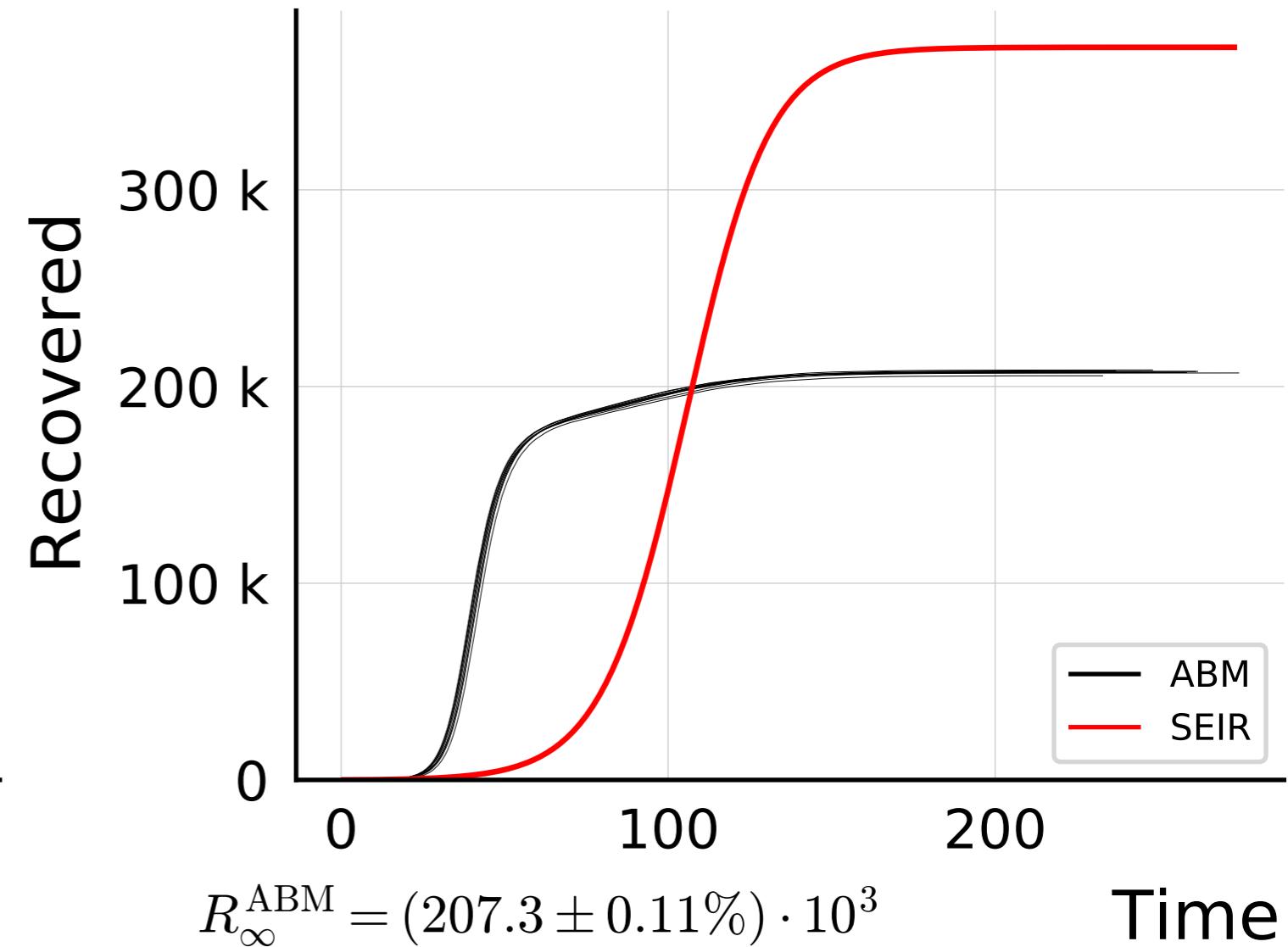
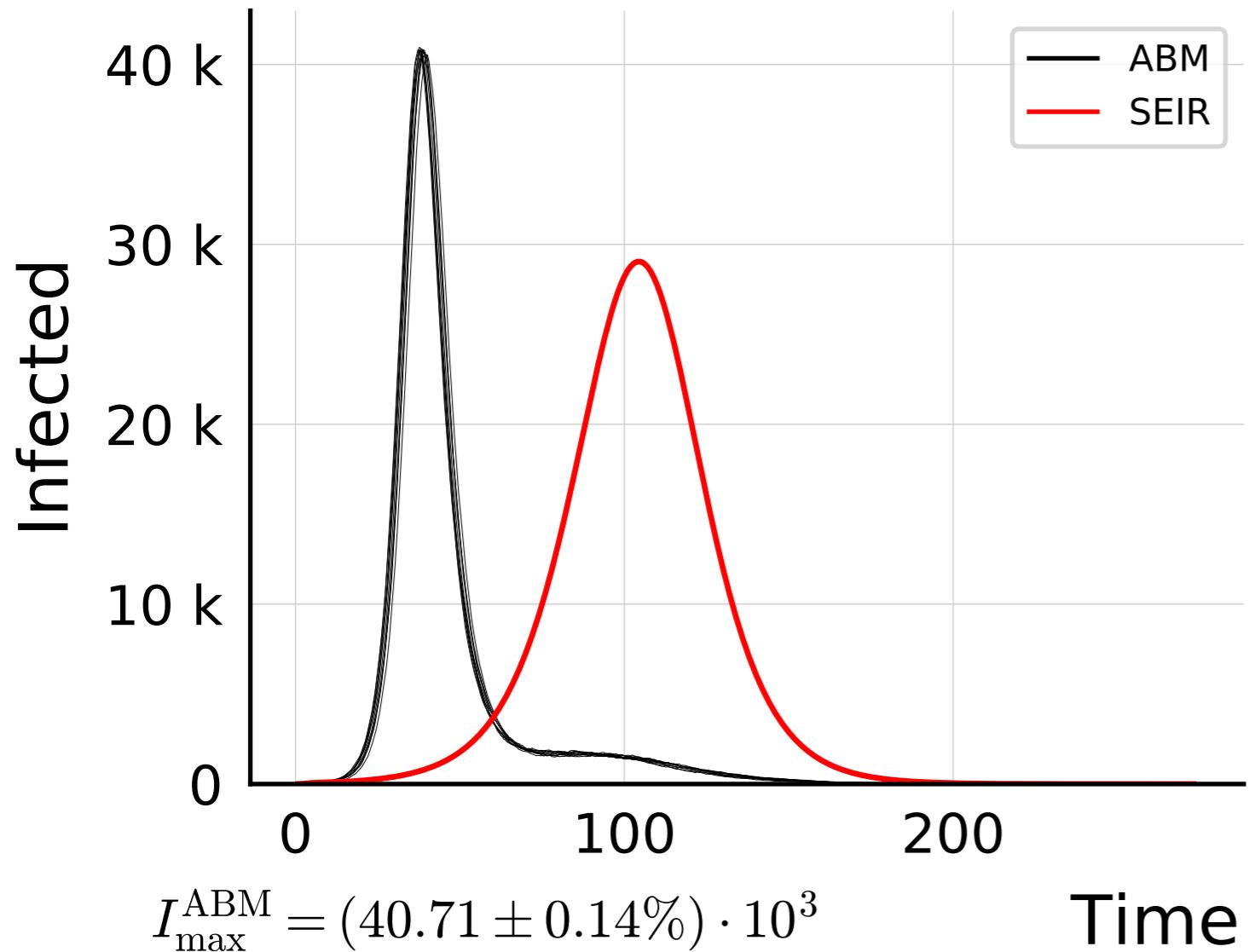
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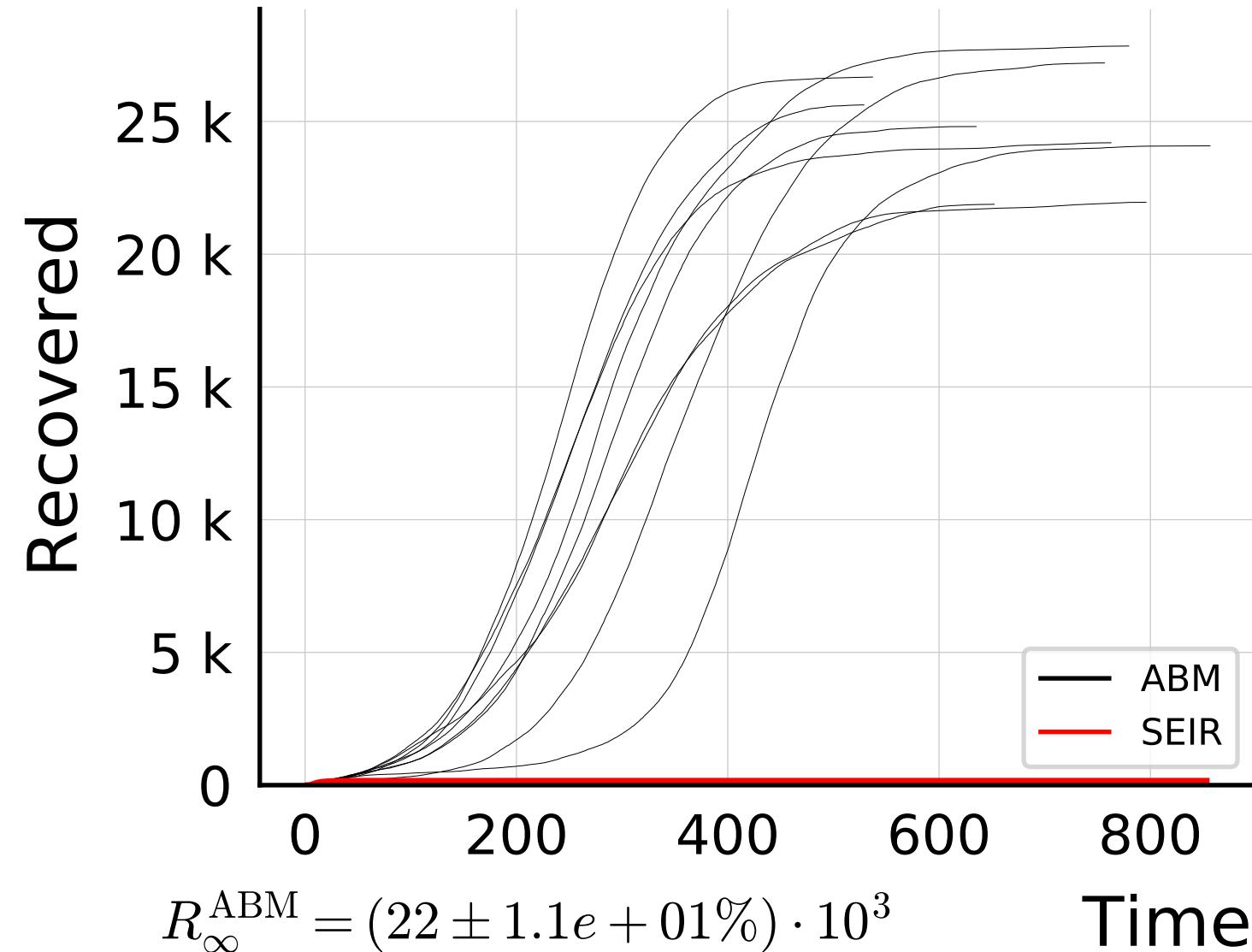
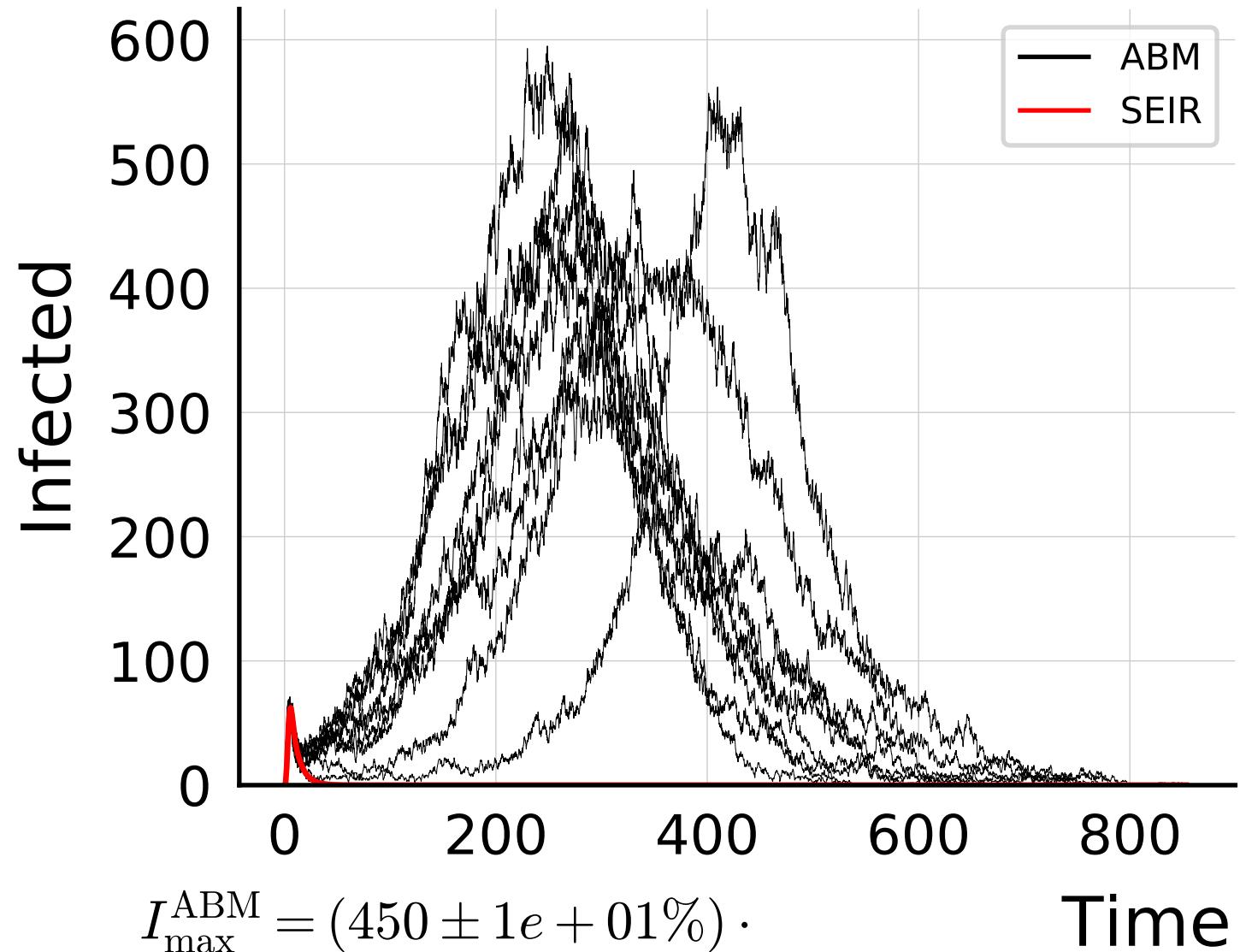
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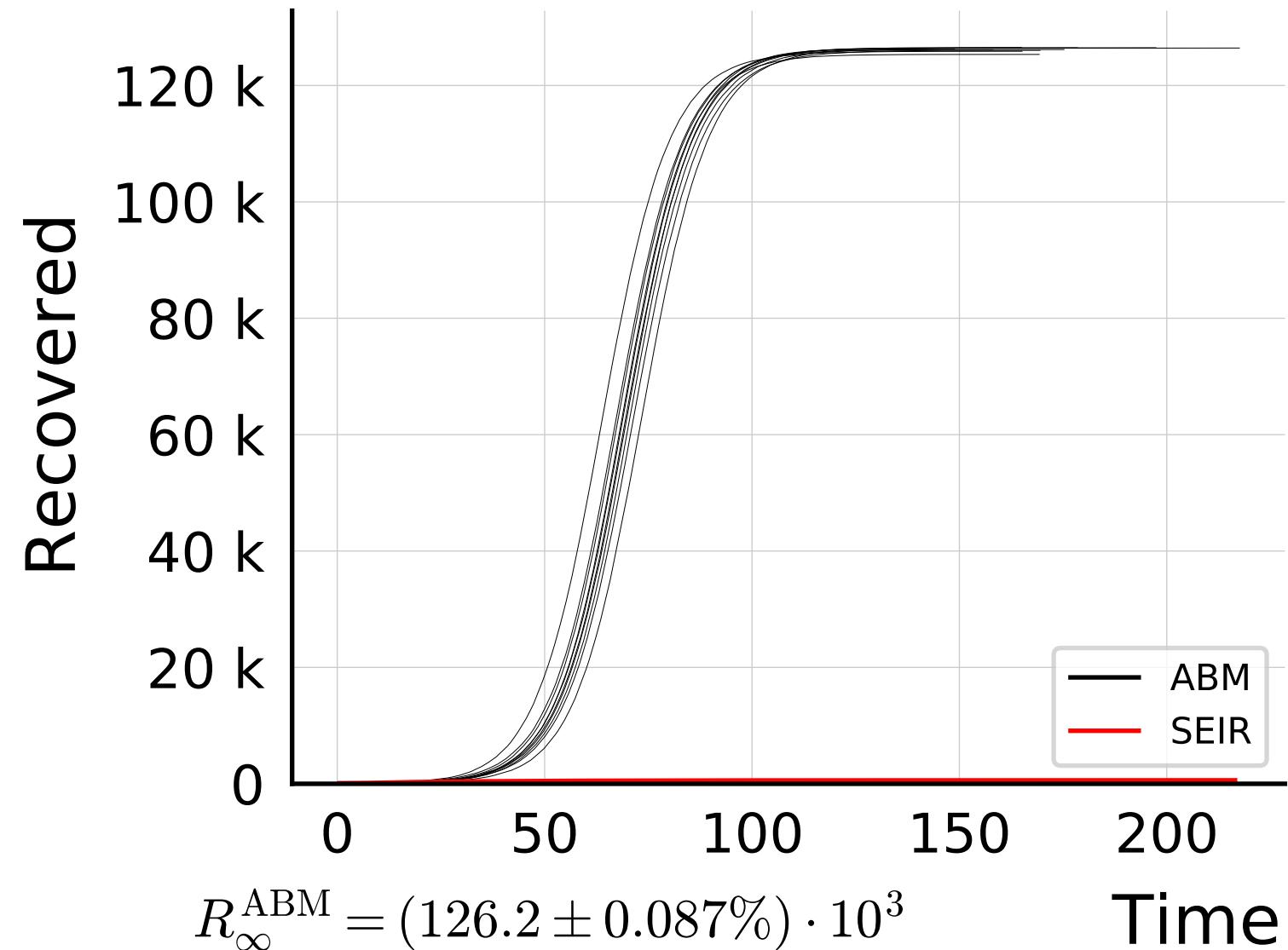
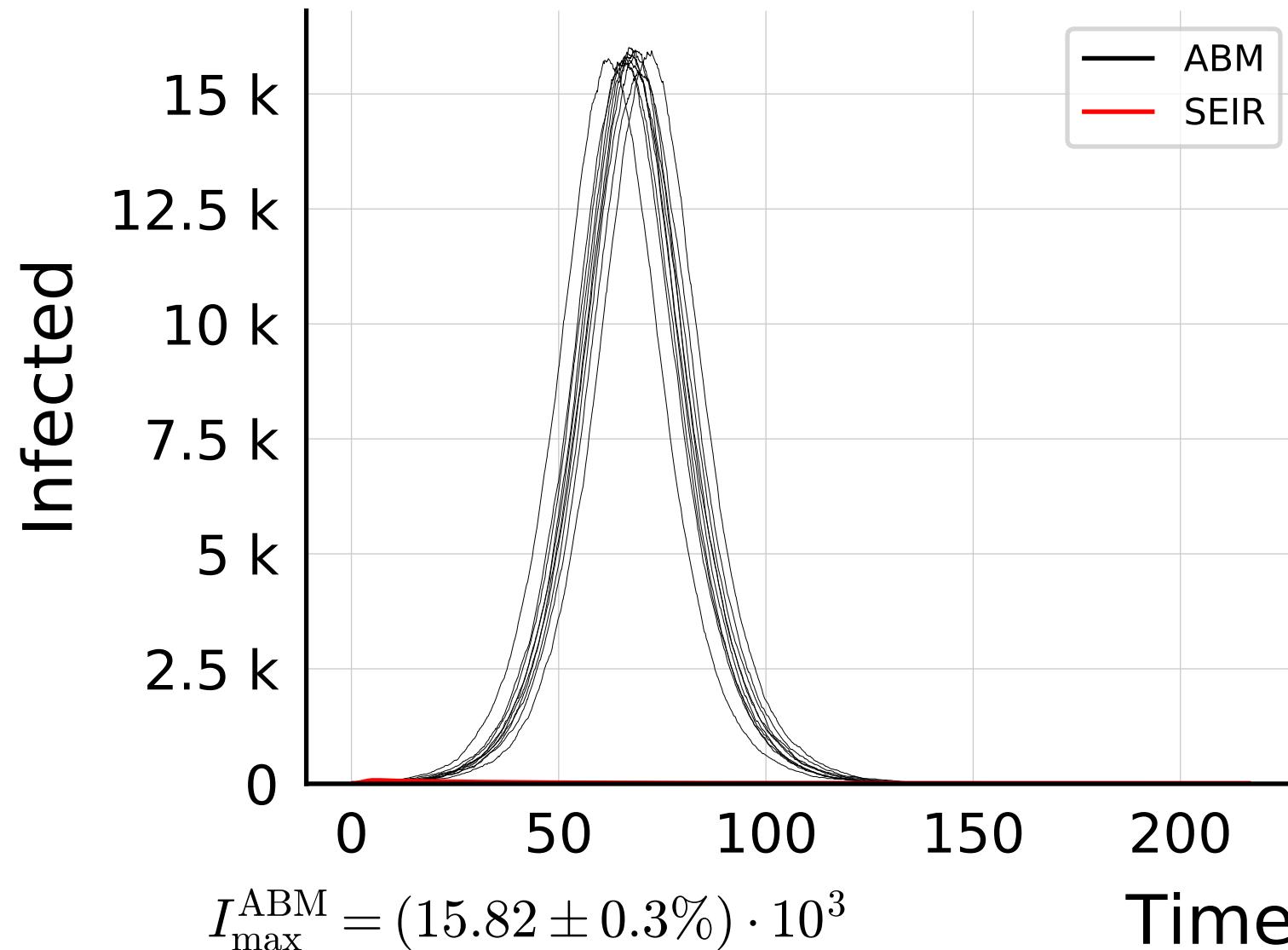
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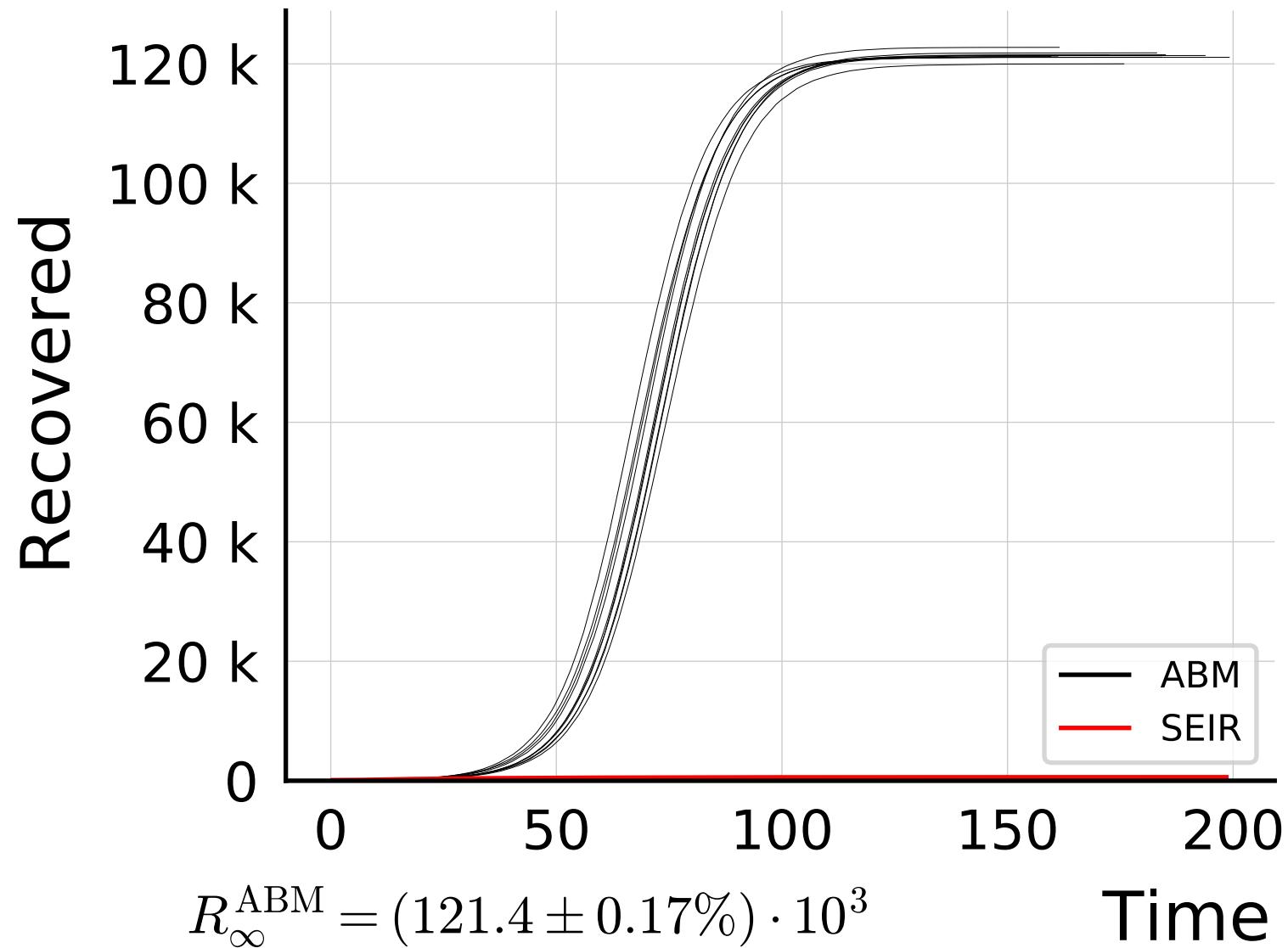
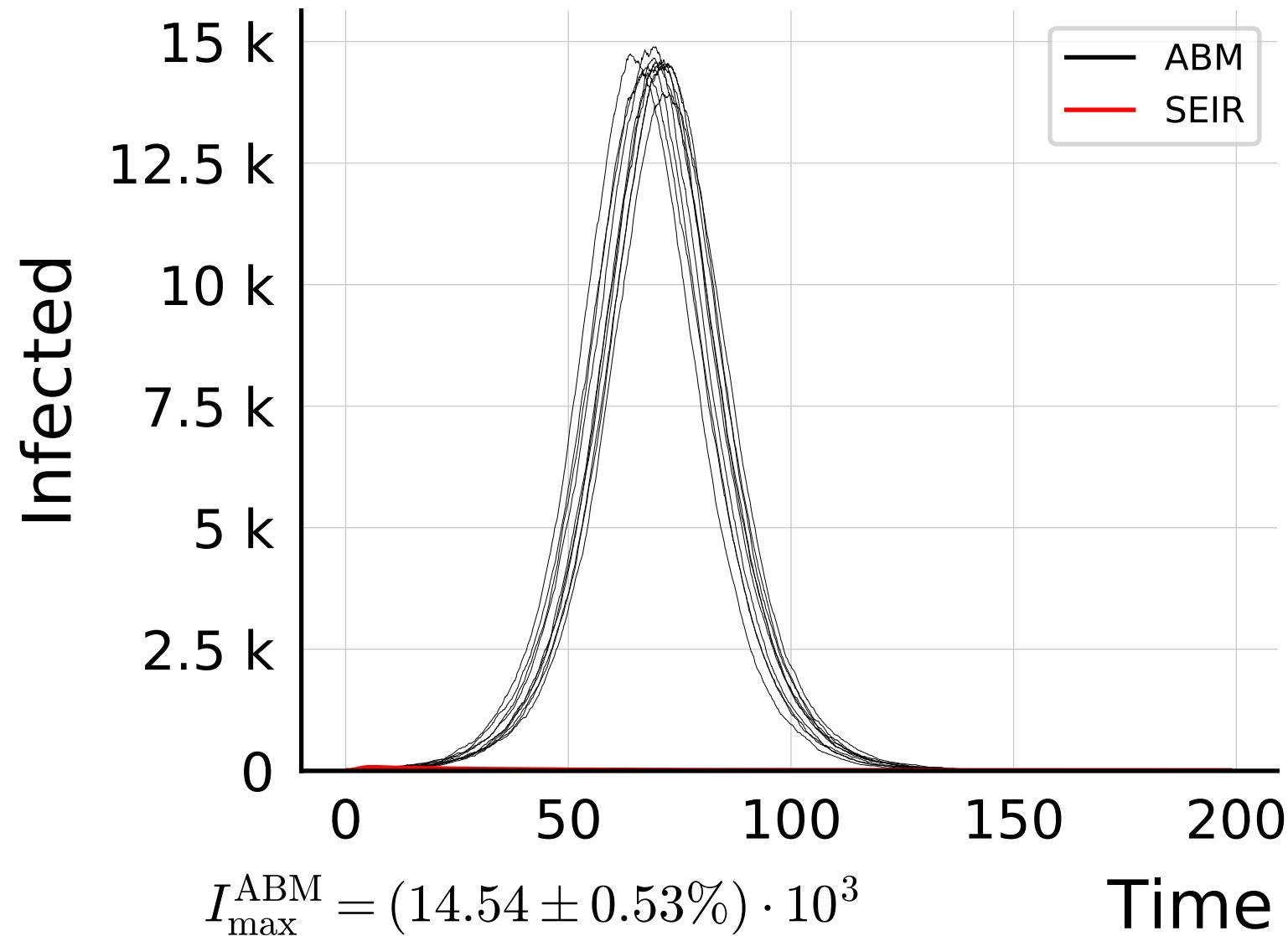
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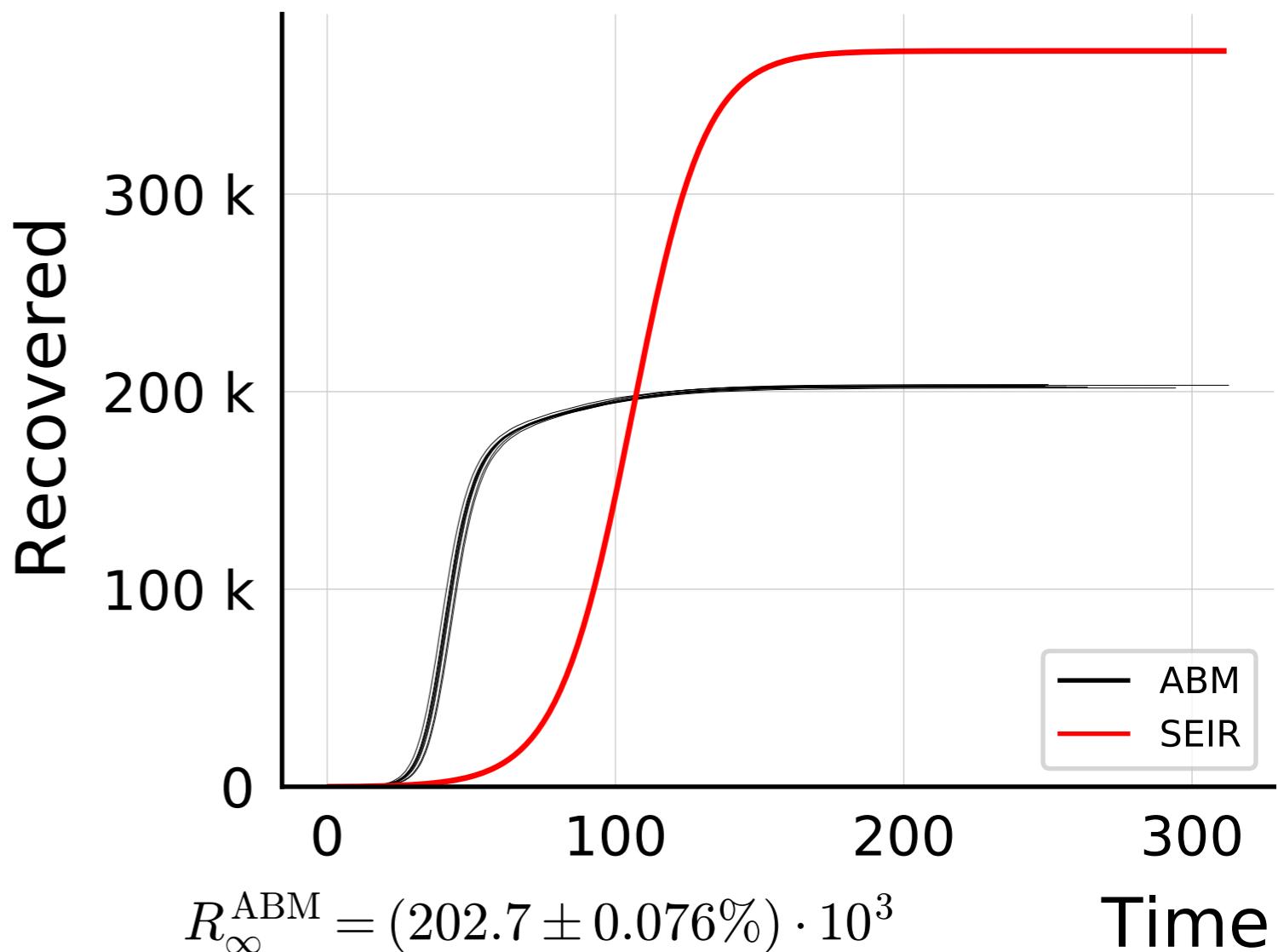
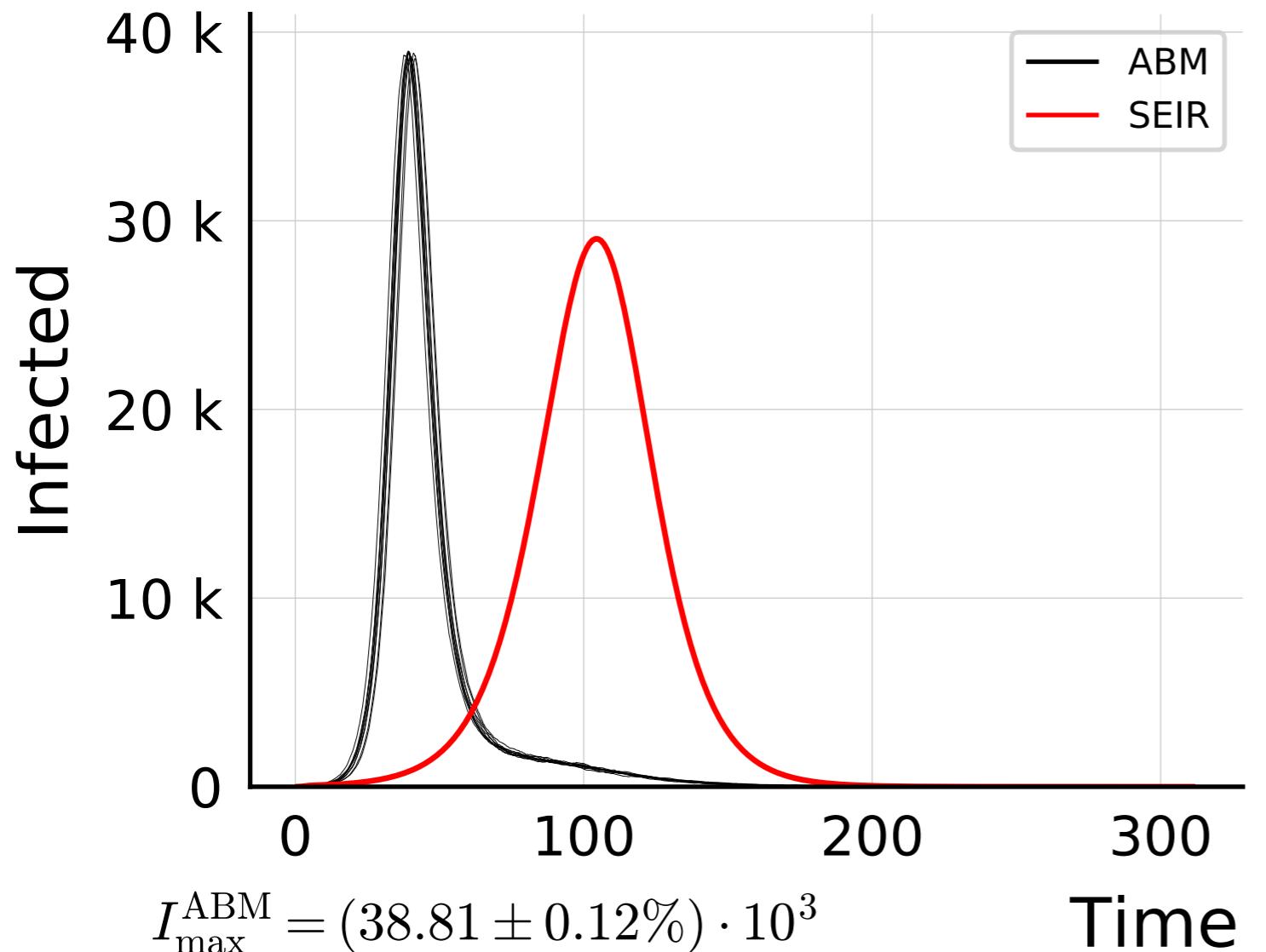
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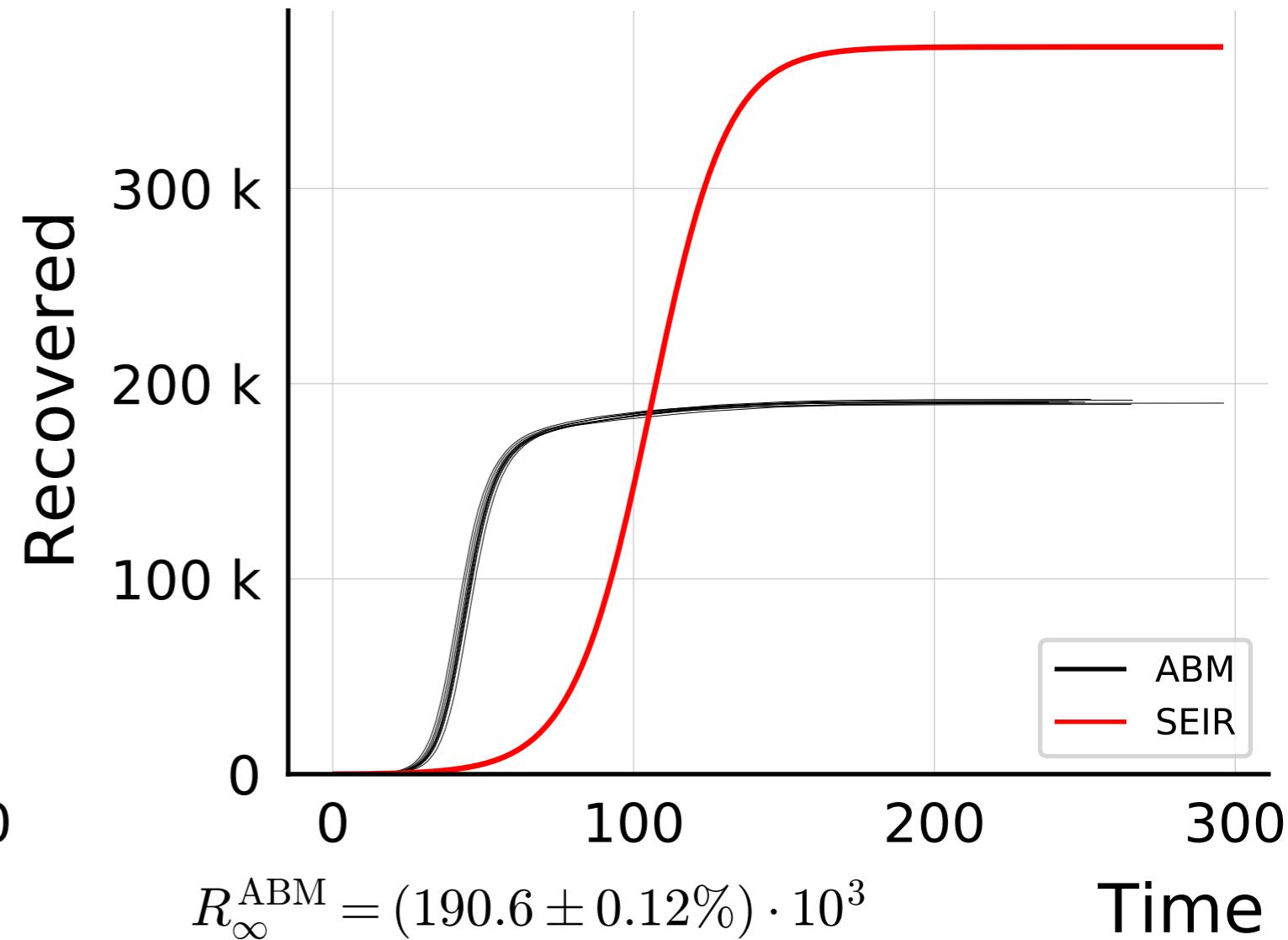
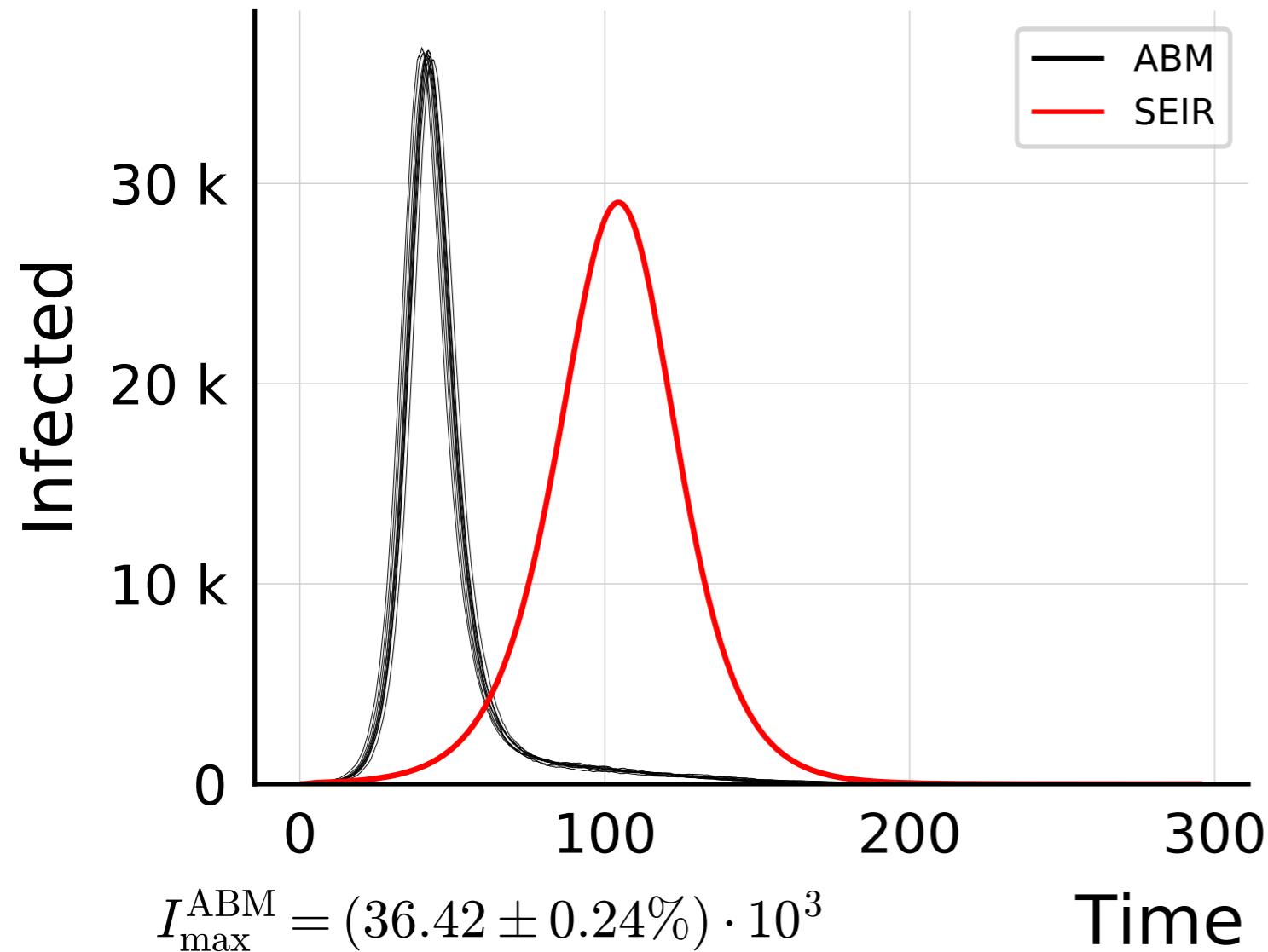
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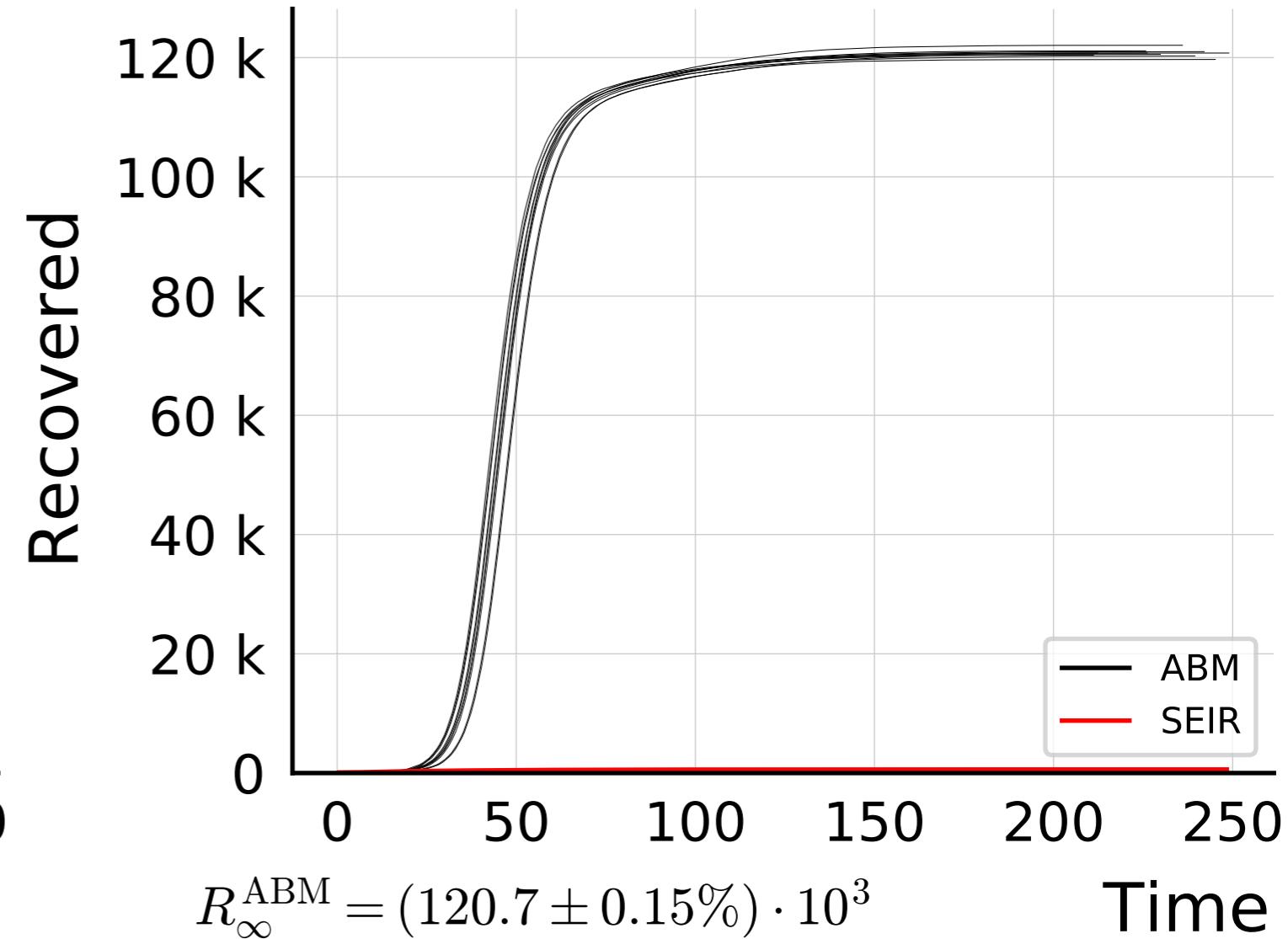
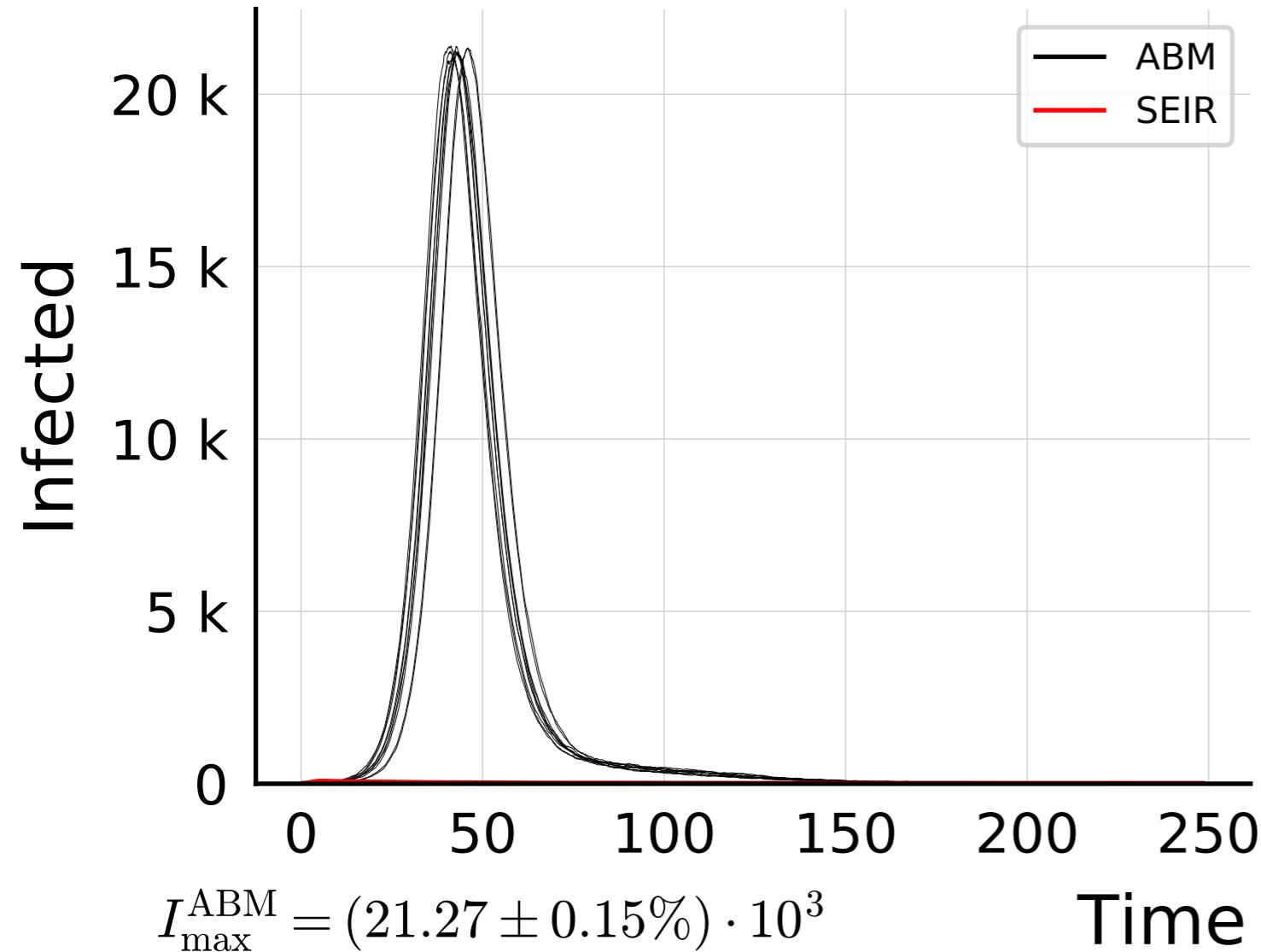
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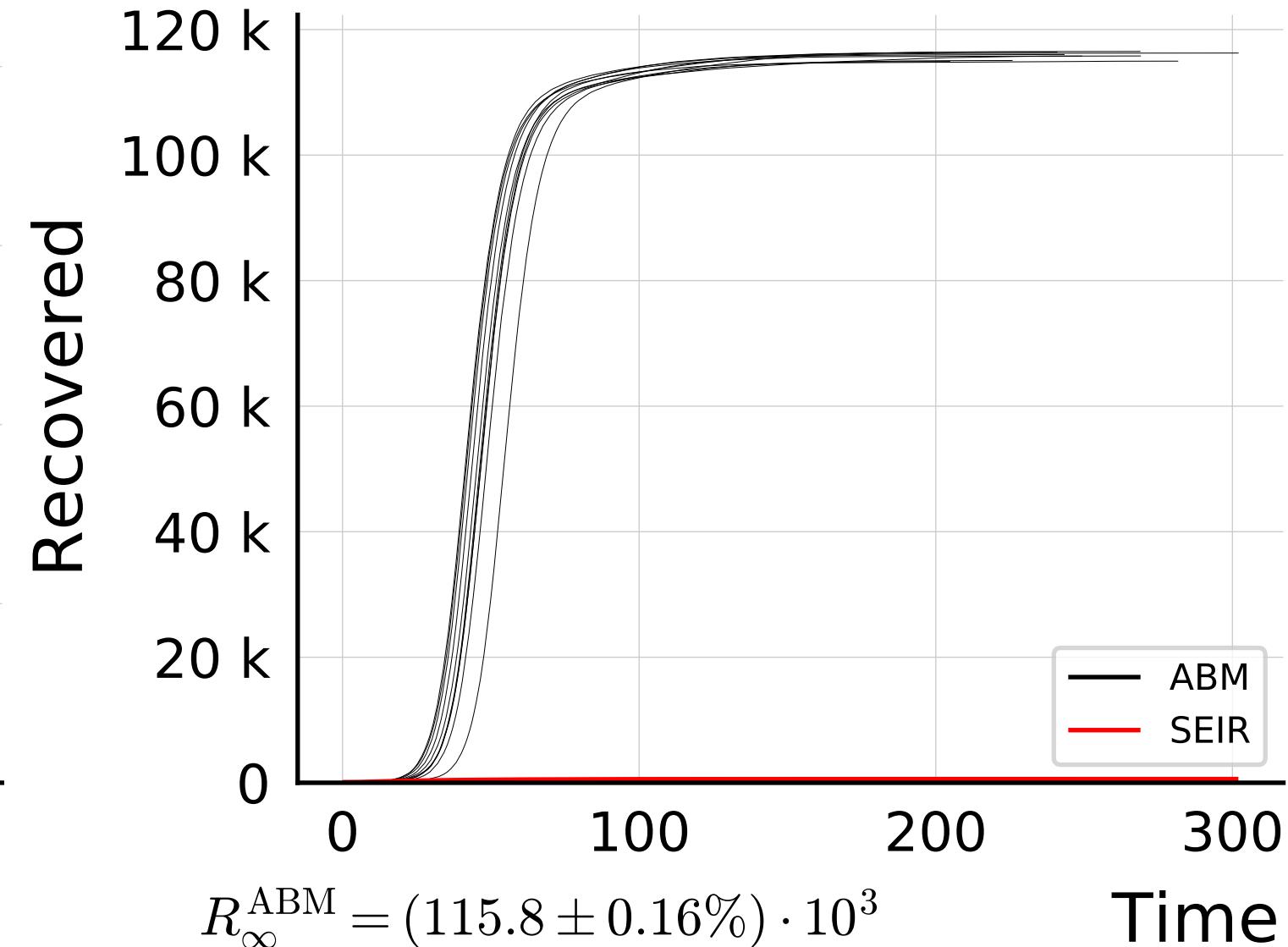
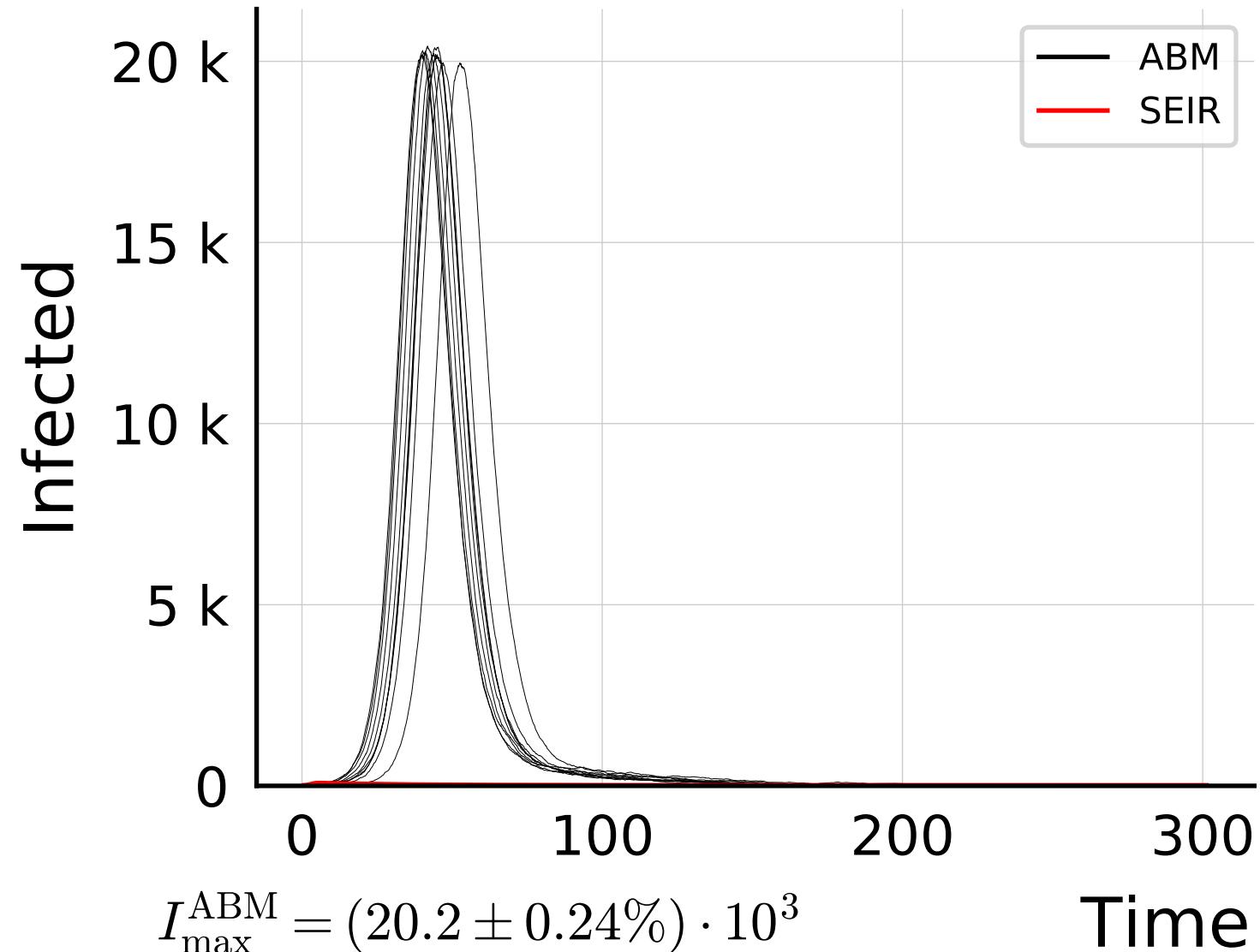
$N_{\text{tot}} = 580K$ ,  $N_{\text{init}} = 100$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 10.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.04$ ,  $\sigma_\beta = 1.0$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , algo = 2, #10



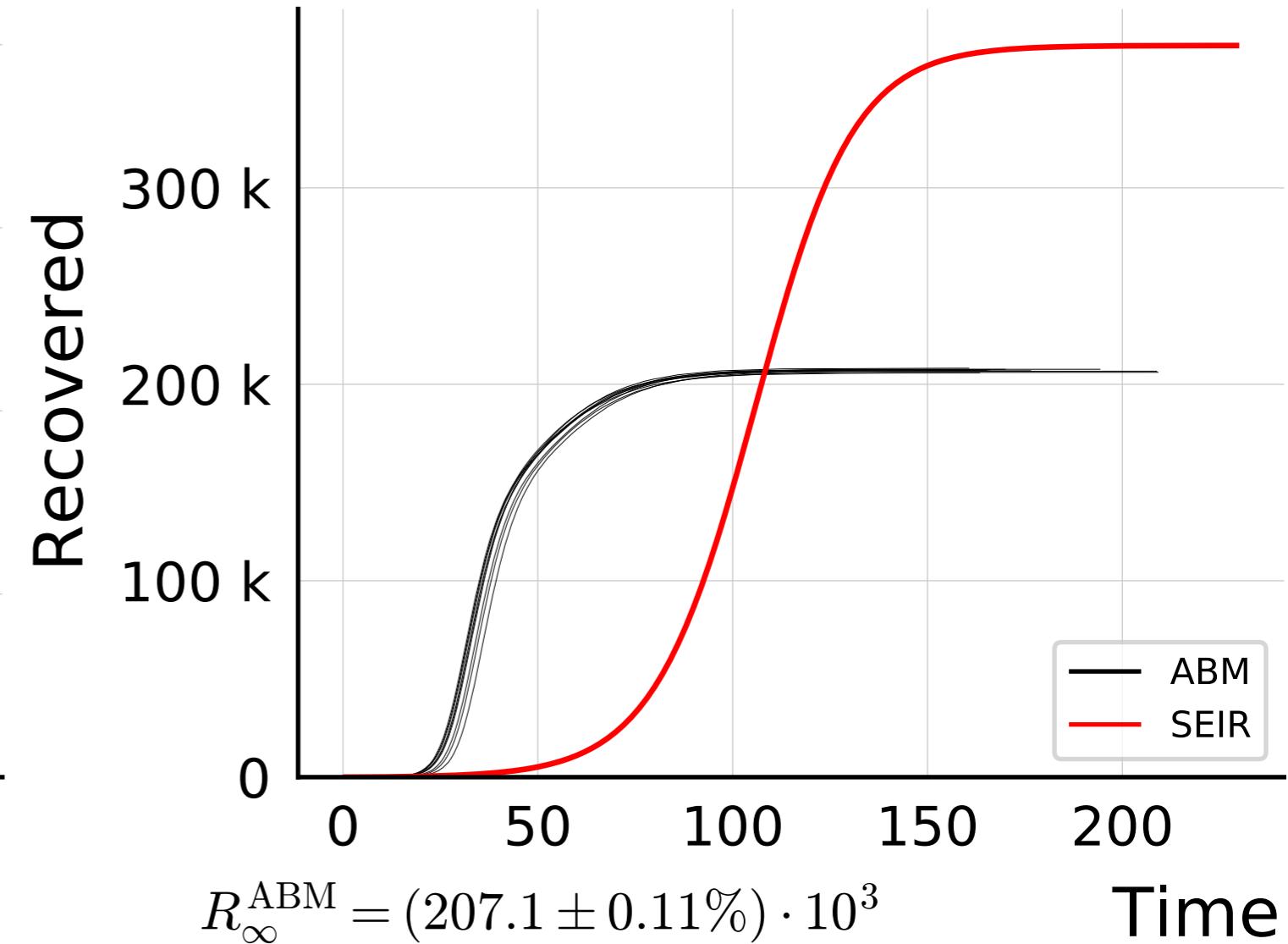
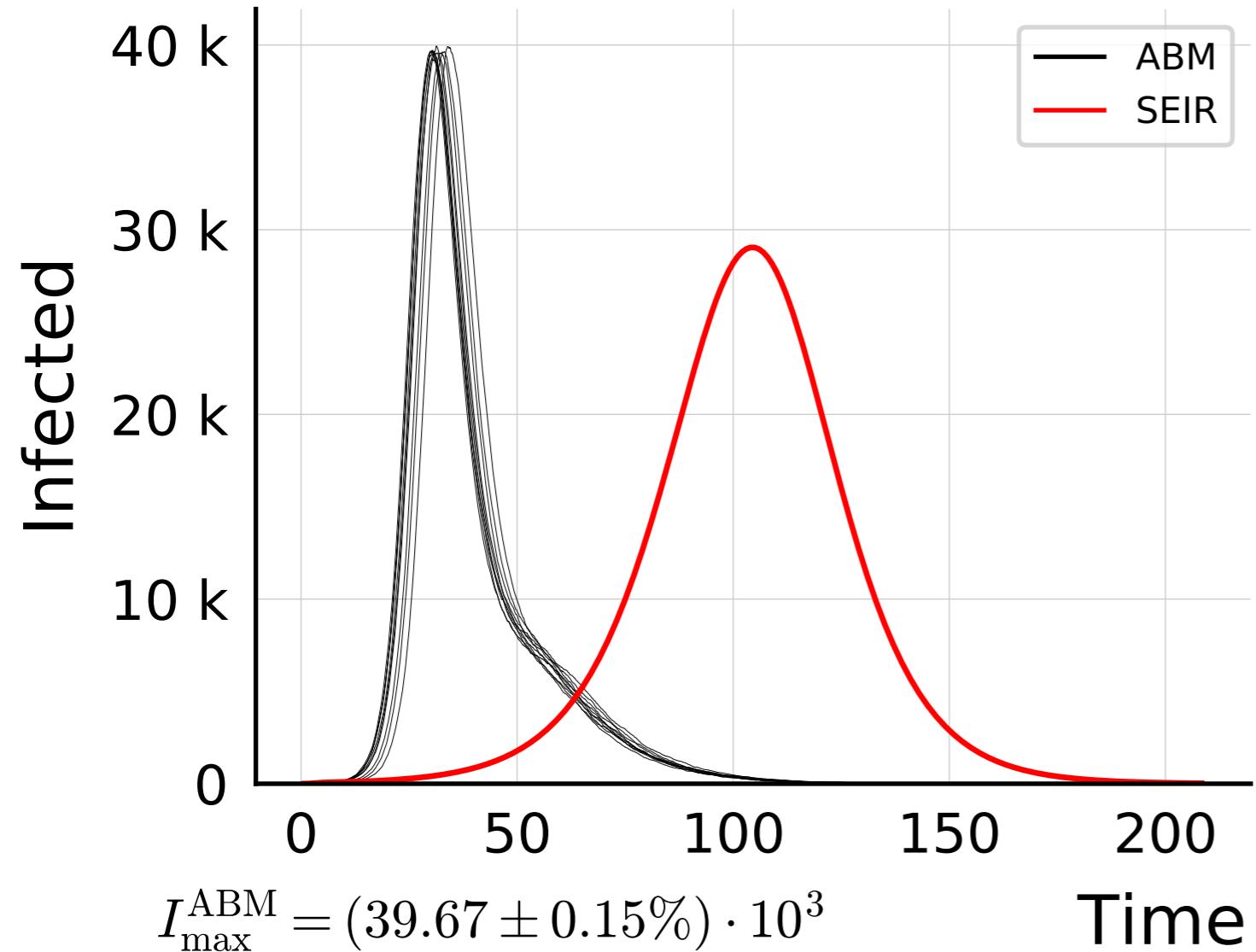
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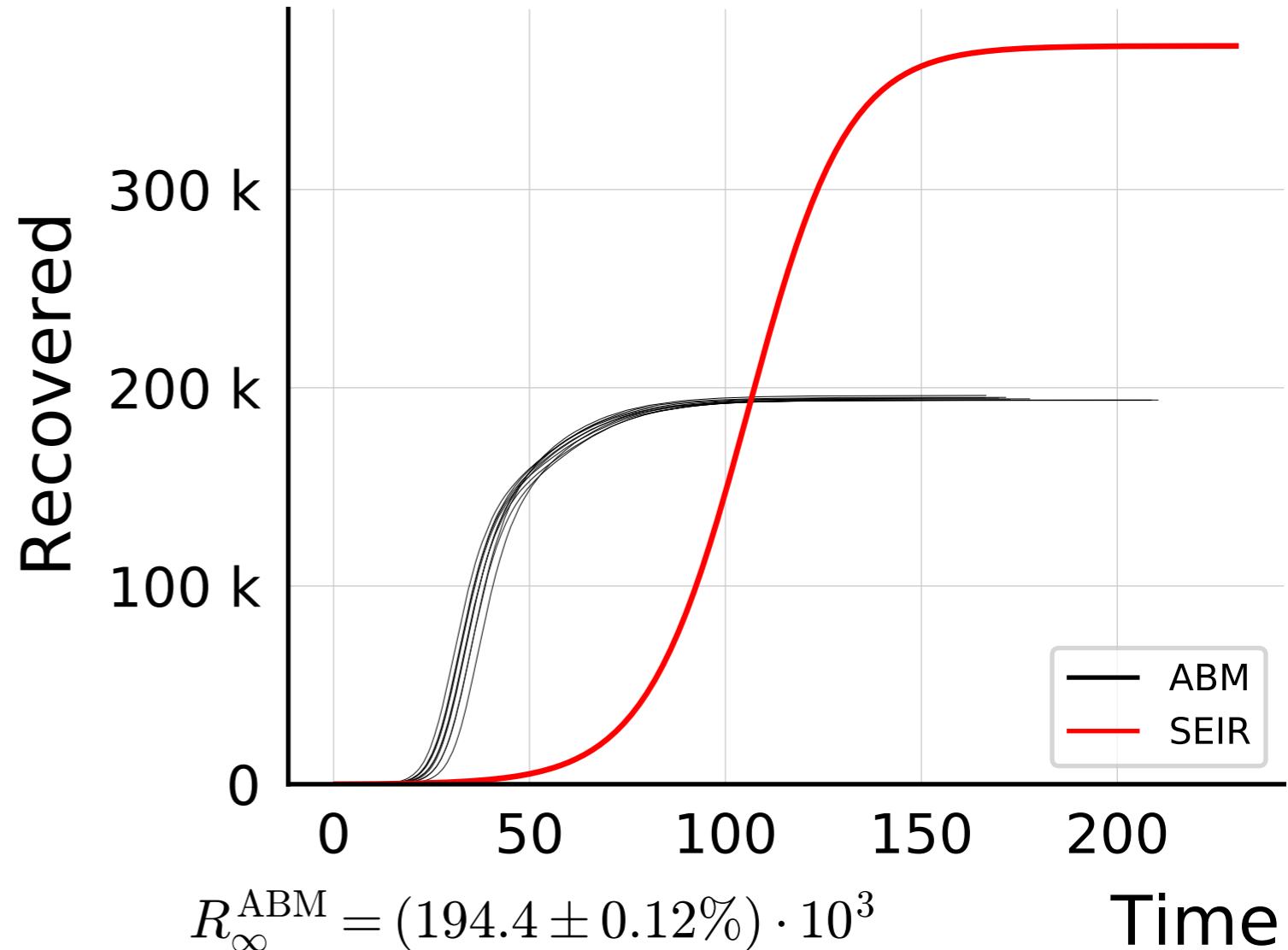
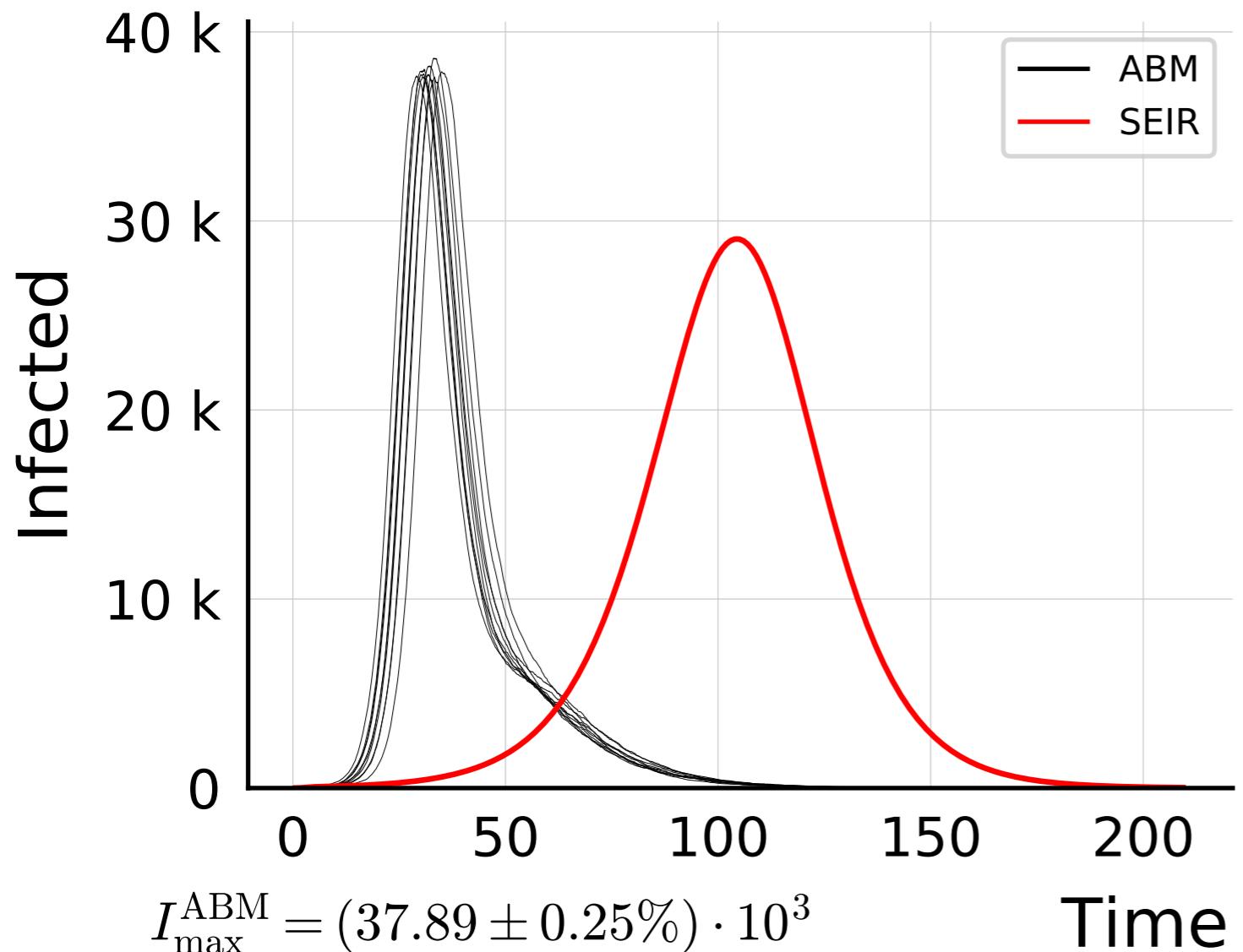
$N_{\text{tot}} = 580K$ ,  $N_{\text{init}} = 100$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 10.0$ ,  $\sigma_\mu = 1.0$ ,  $\beta = 0.02$ ,  $\sigma_\beta = 1.0$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , algo = 2, #10



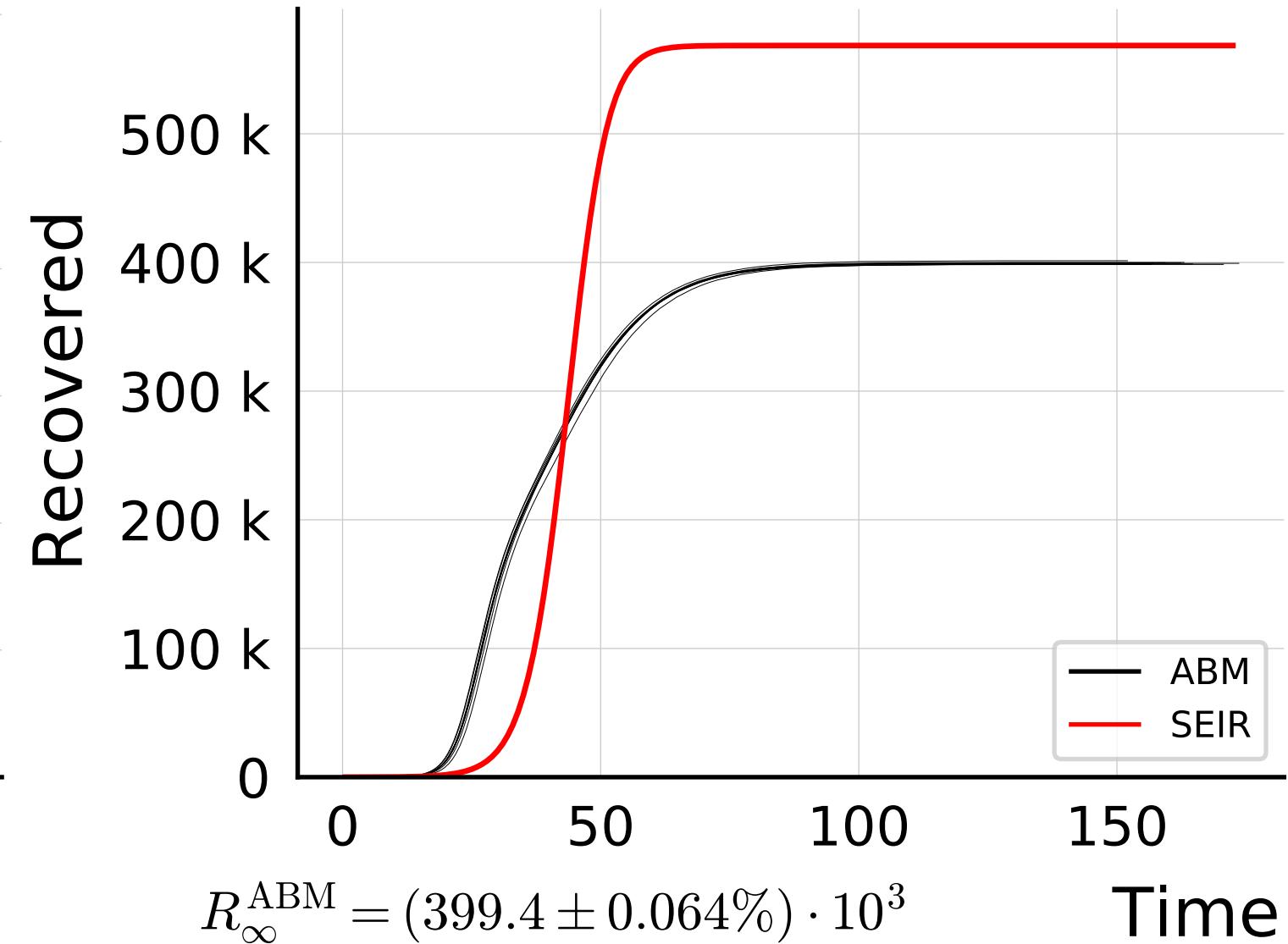
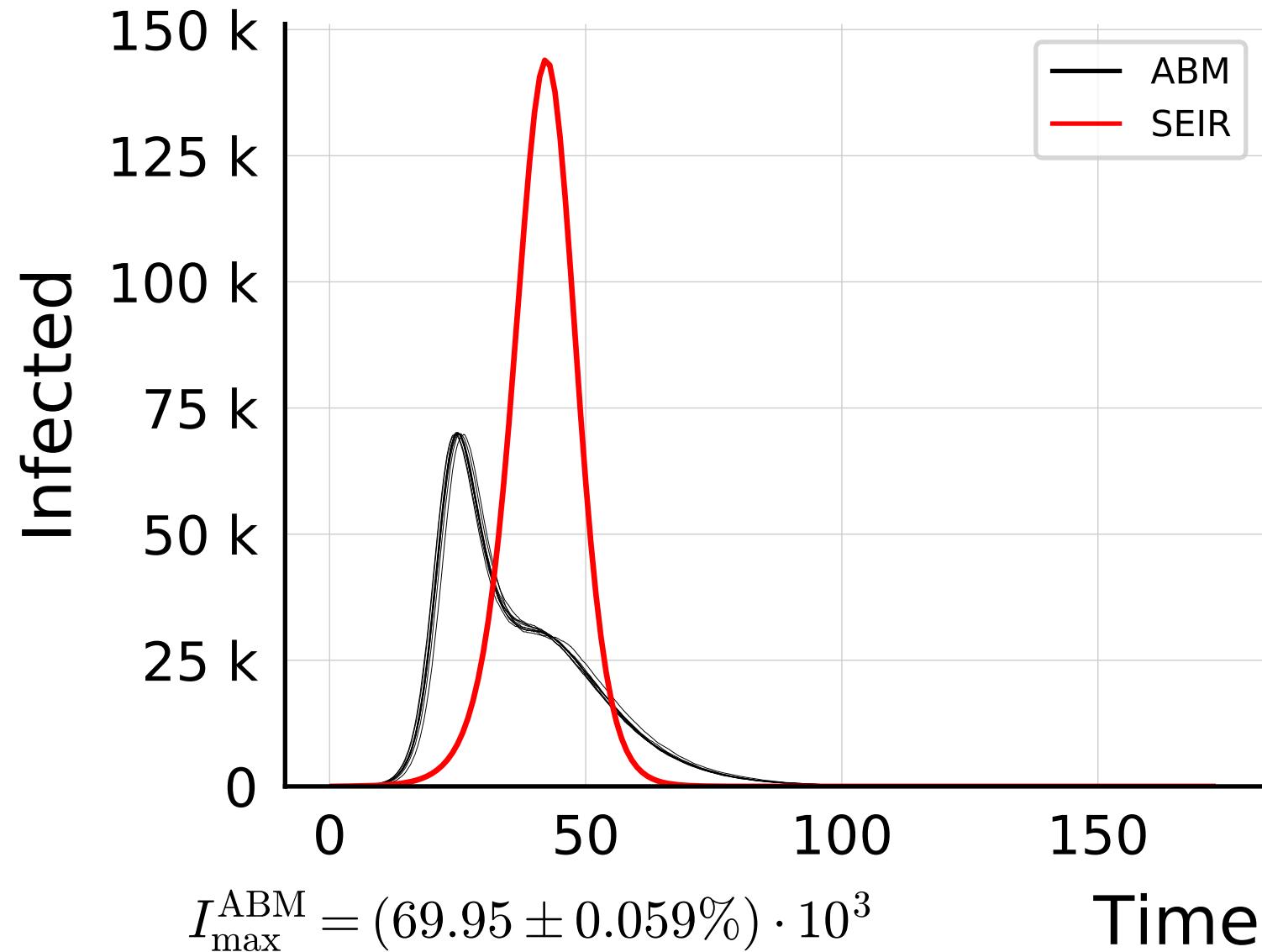
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 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , algo = 2, #10



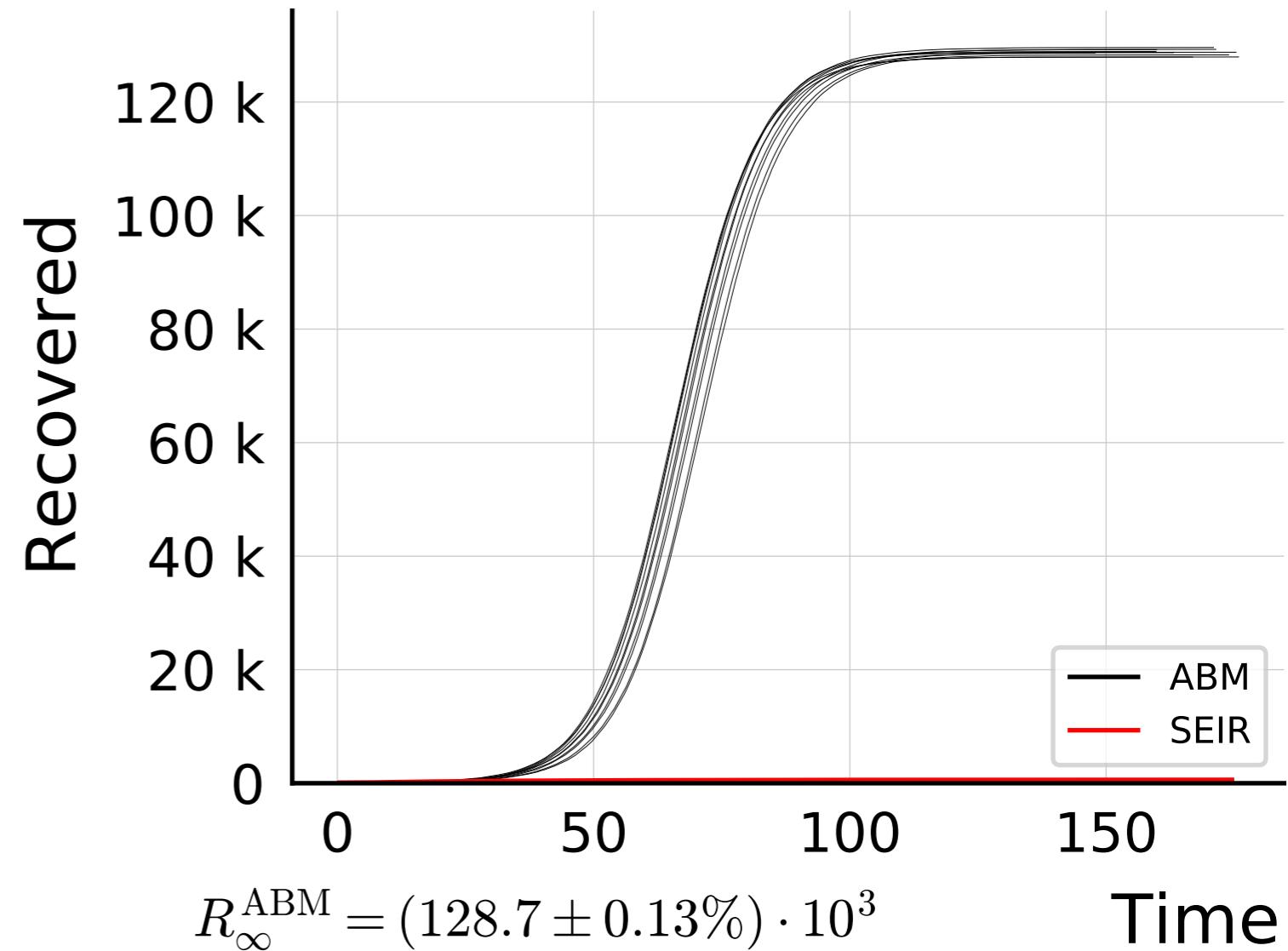
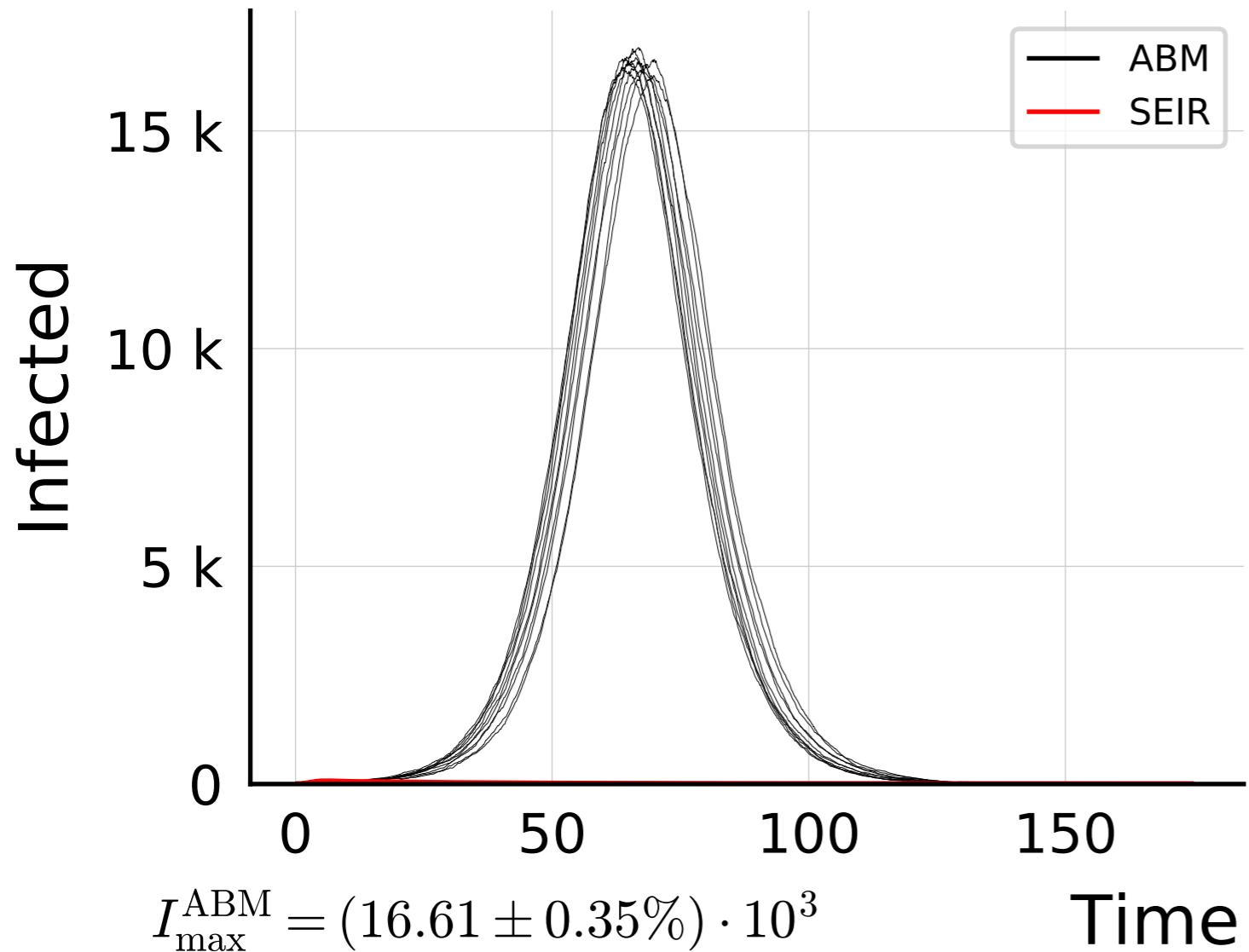
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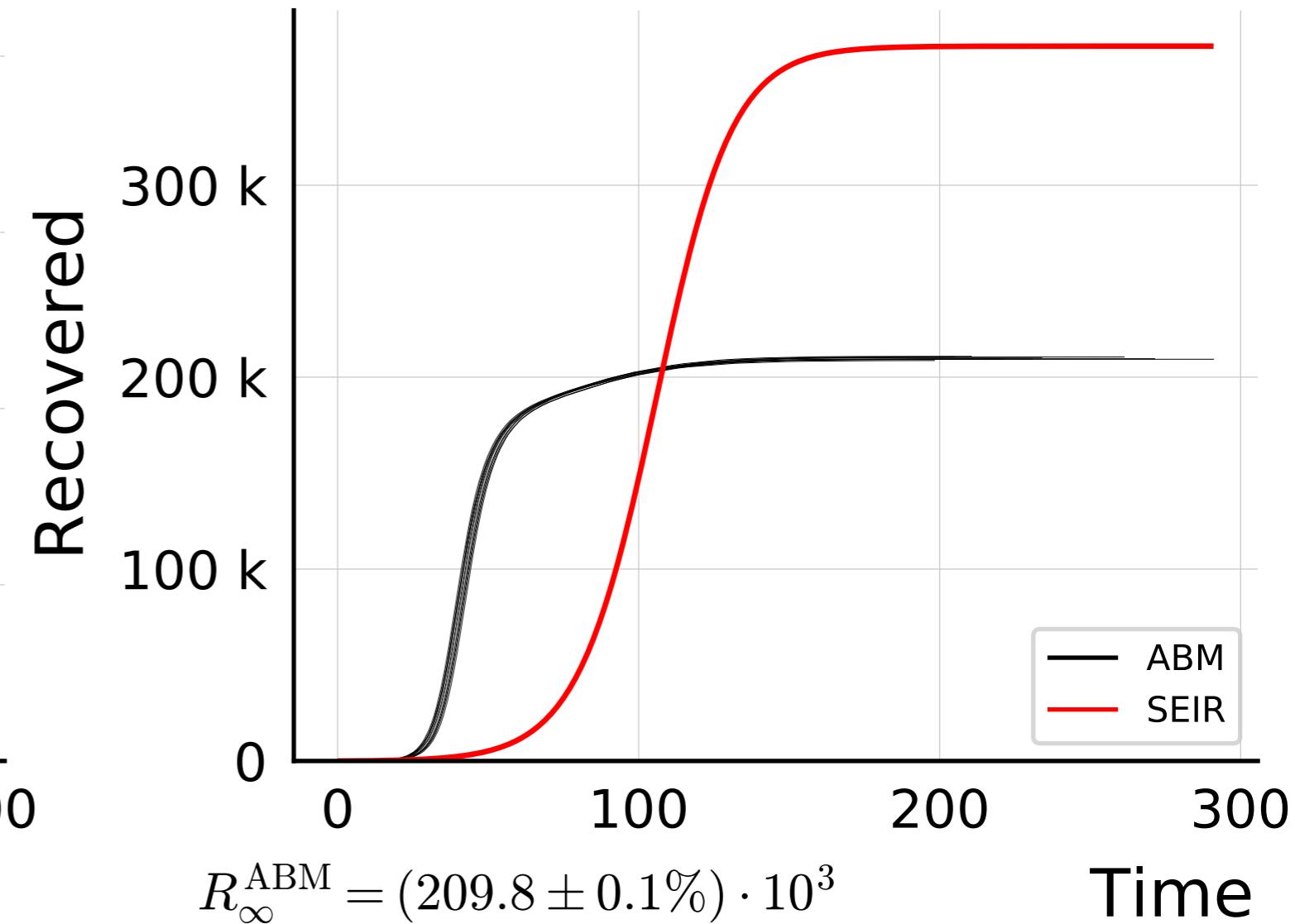
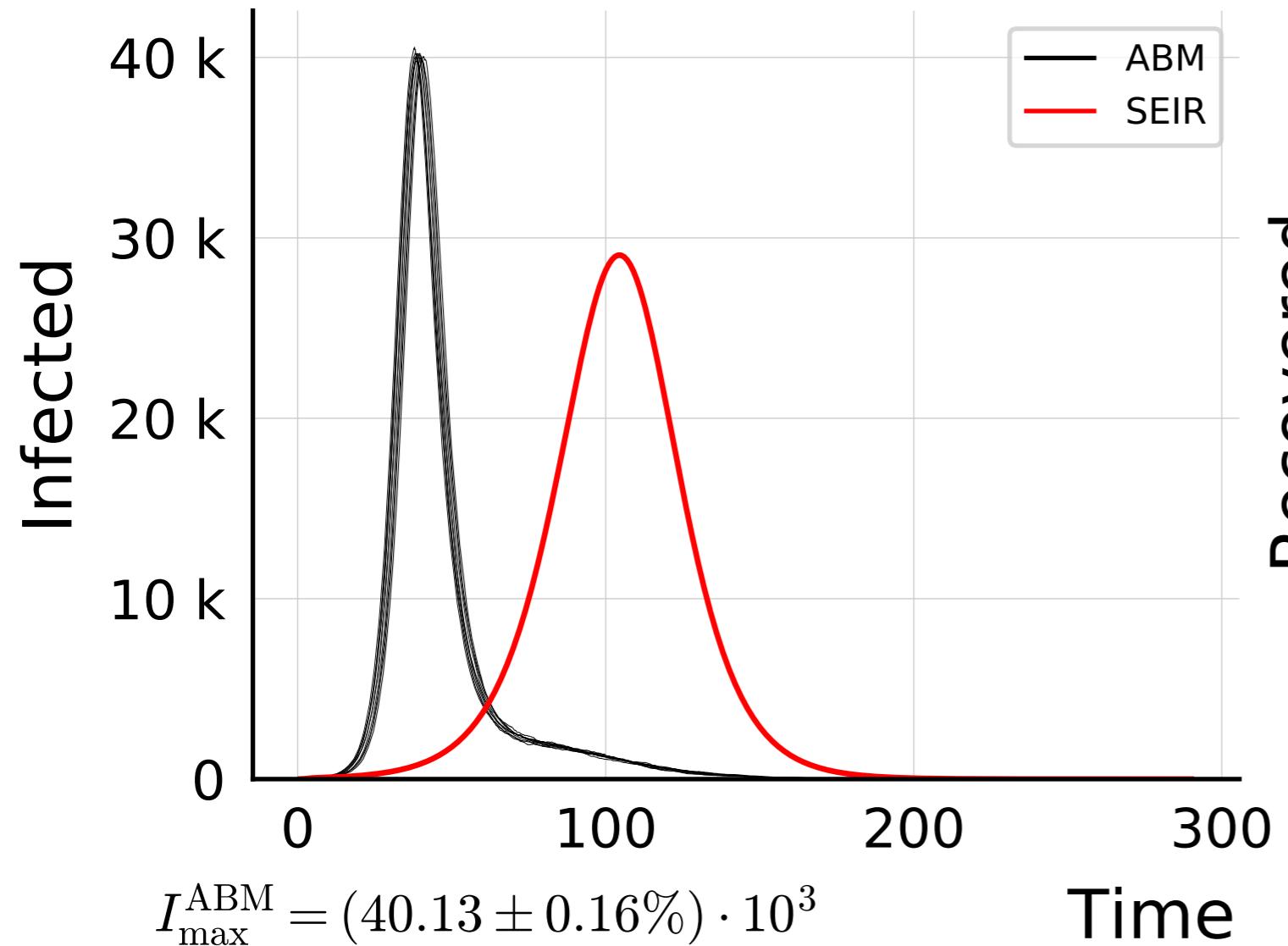
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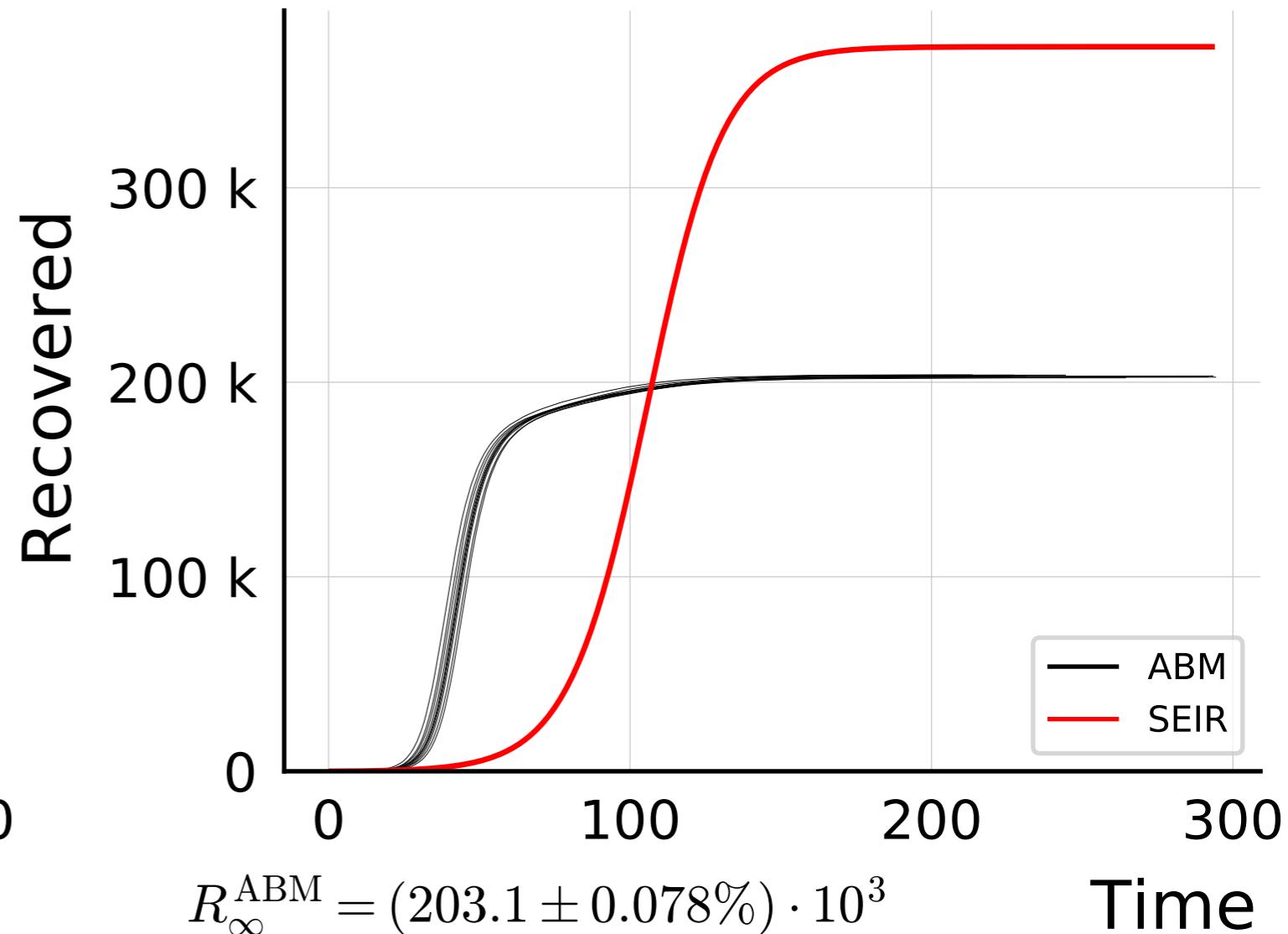
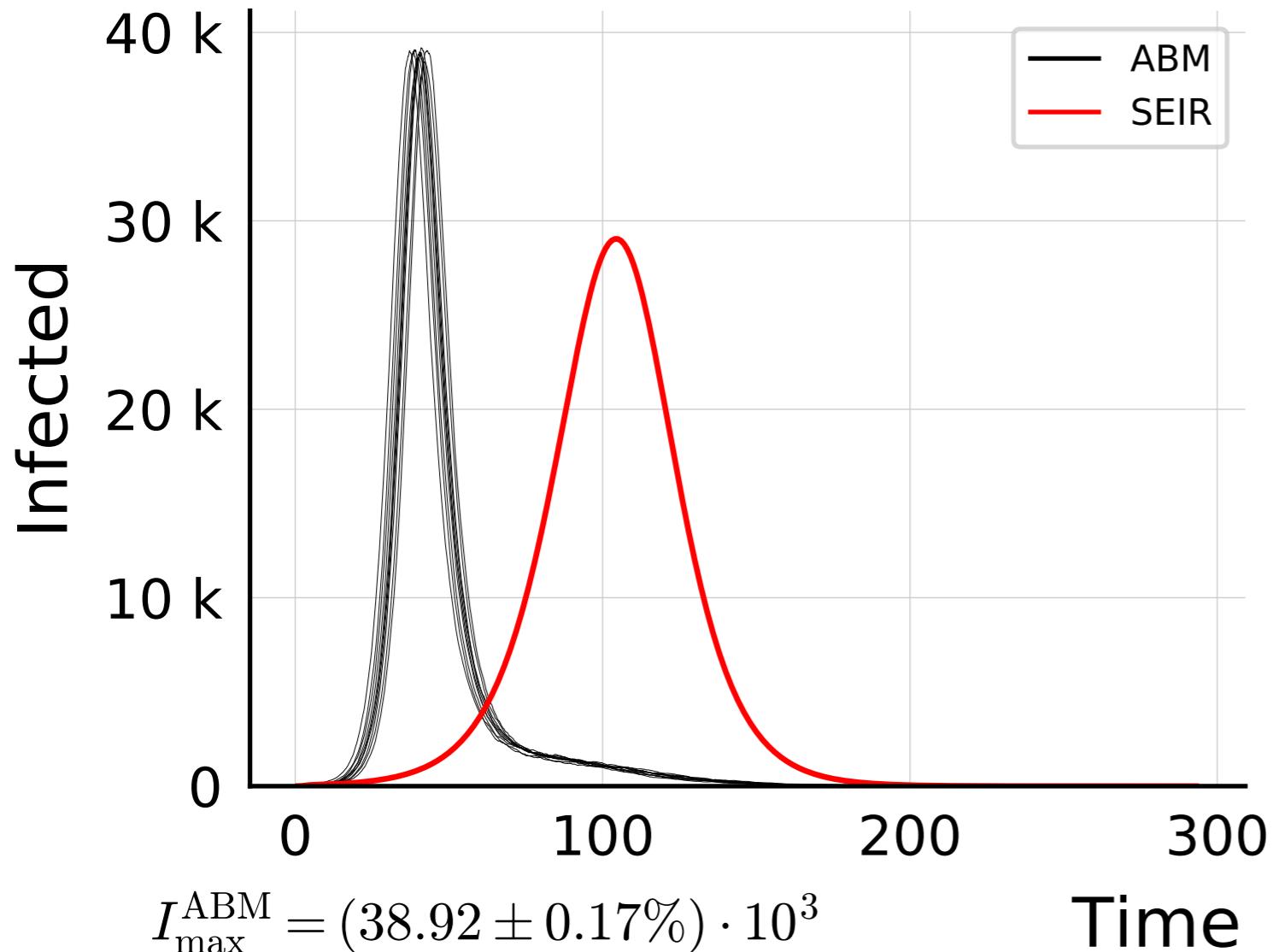
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 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , algo = 2, #10



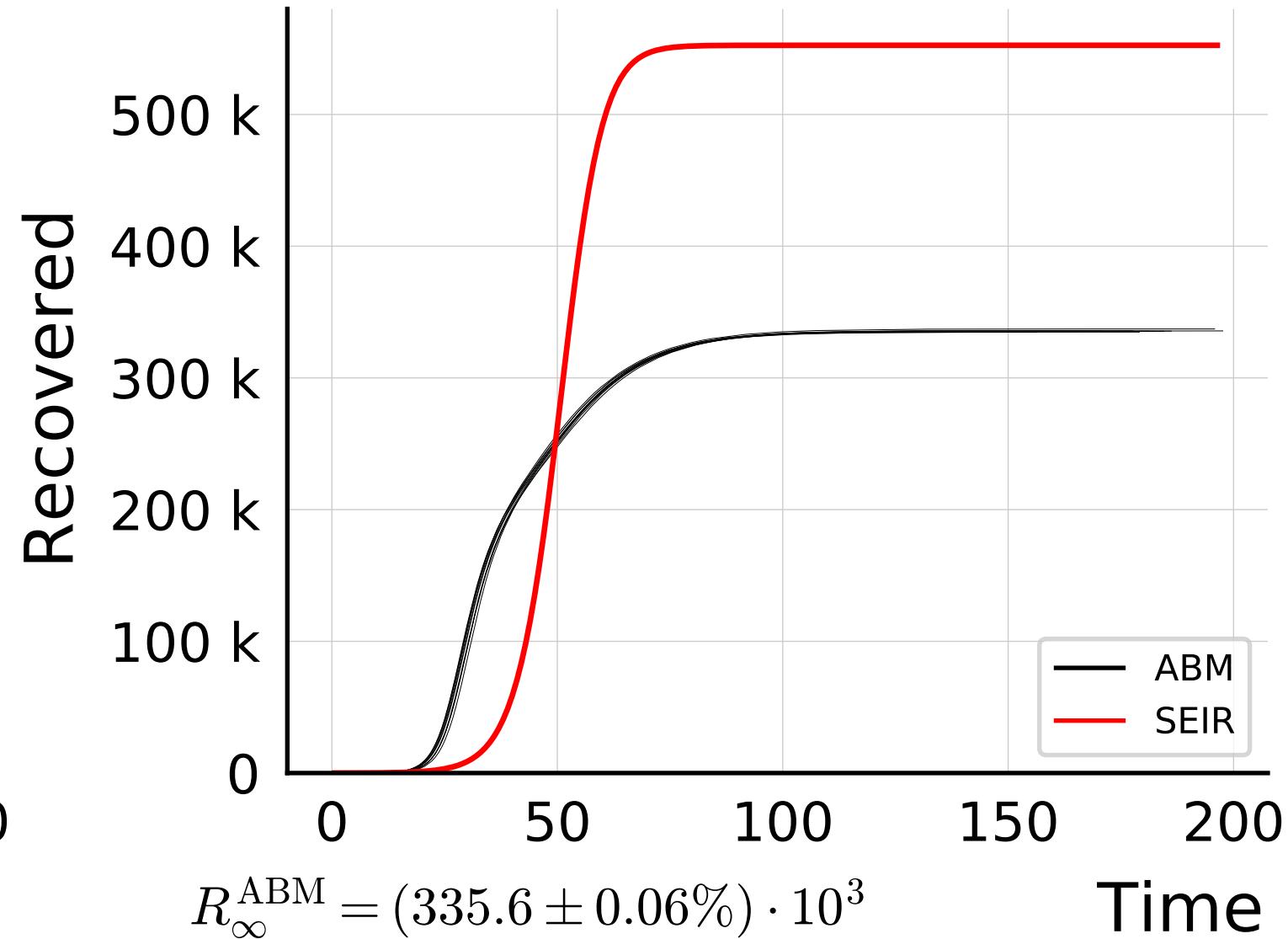
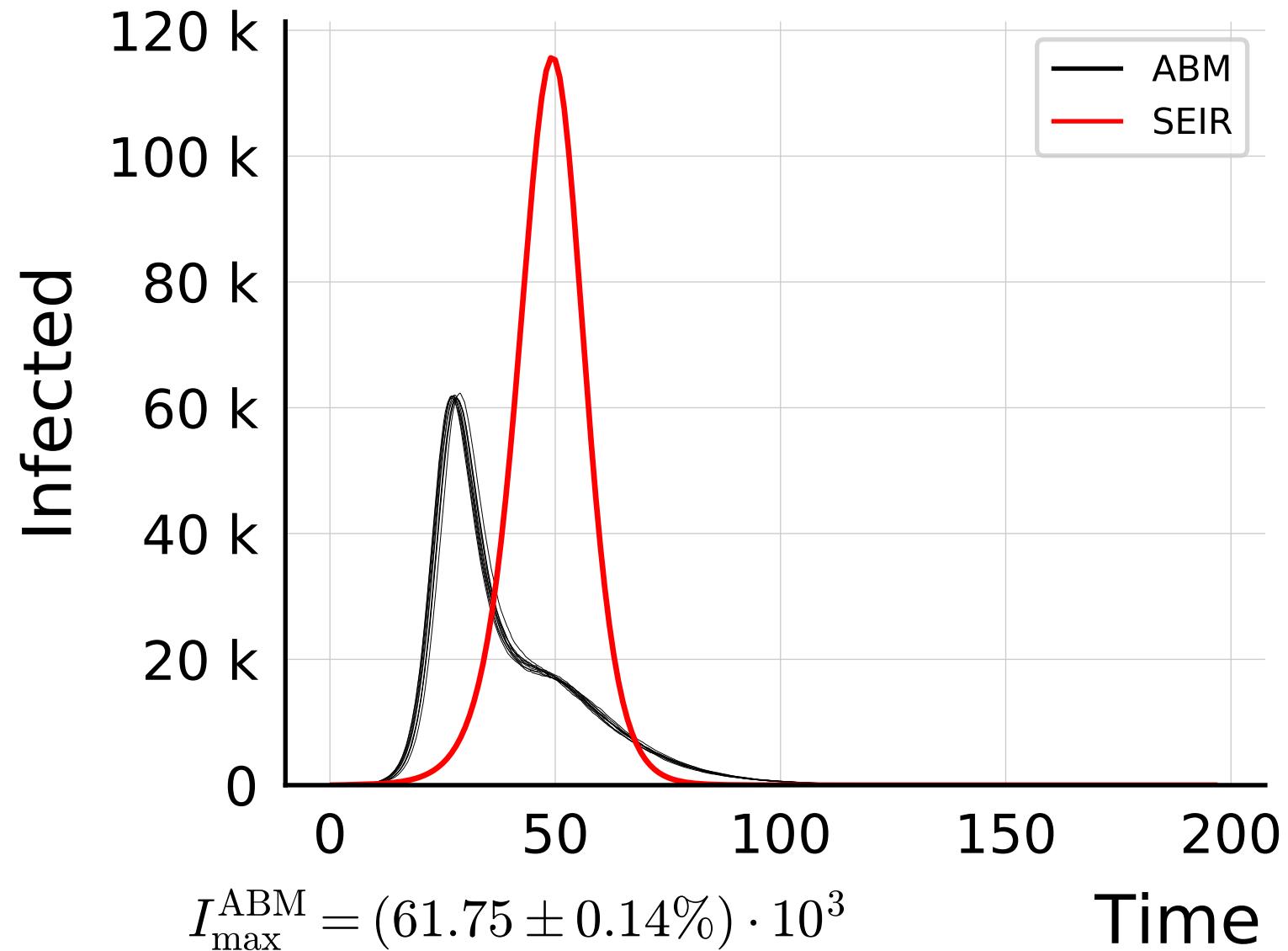
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 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , algo = 2, #10



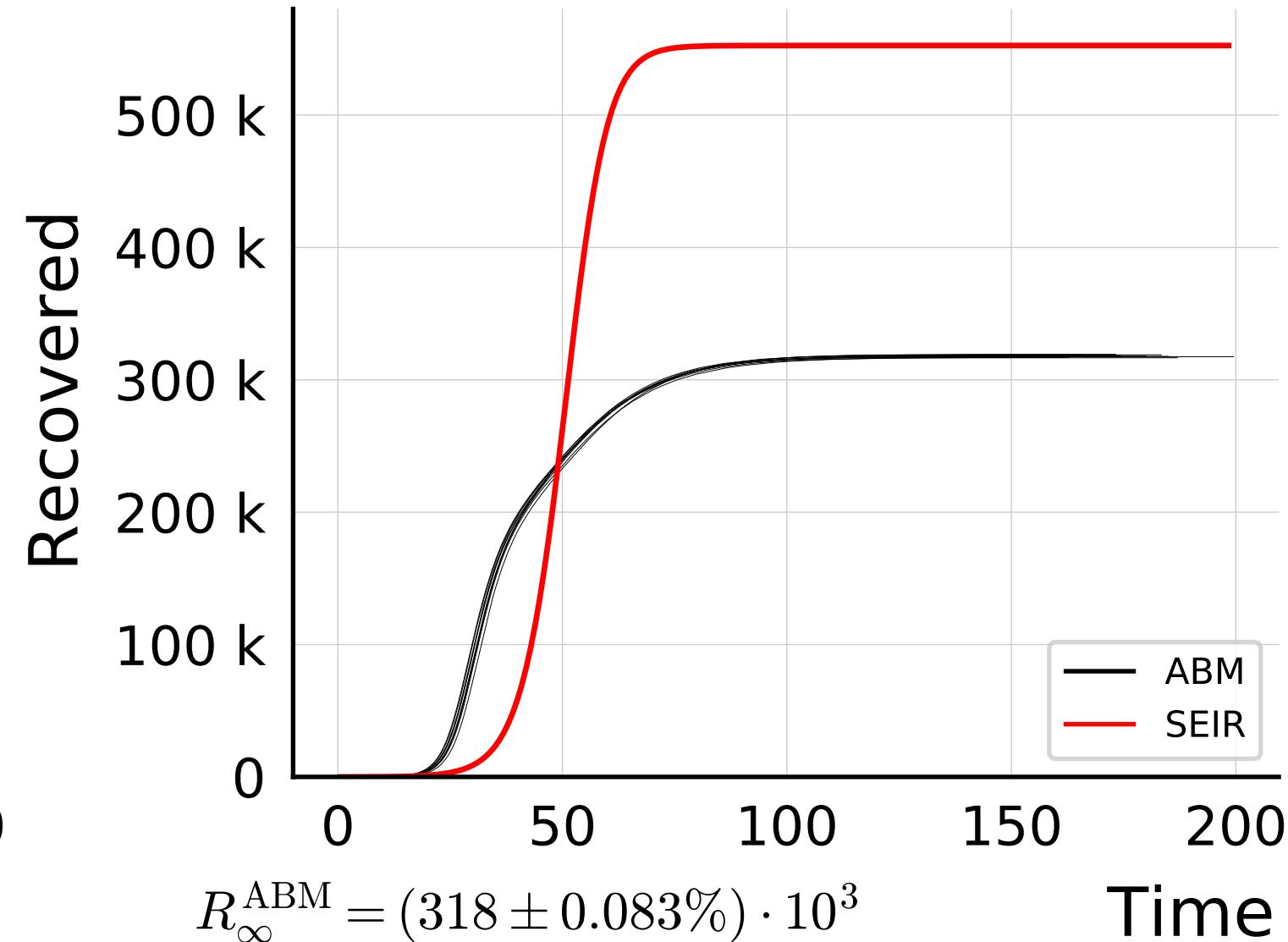
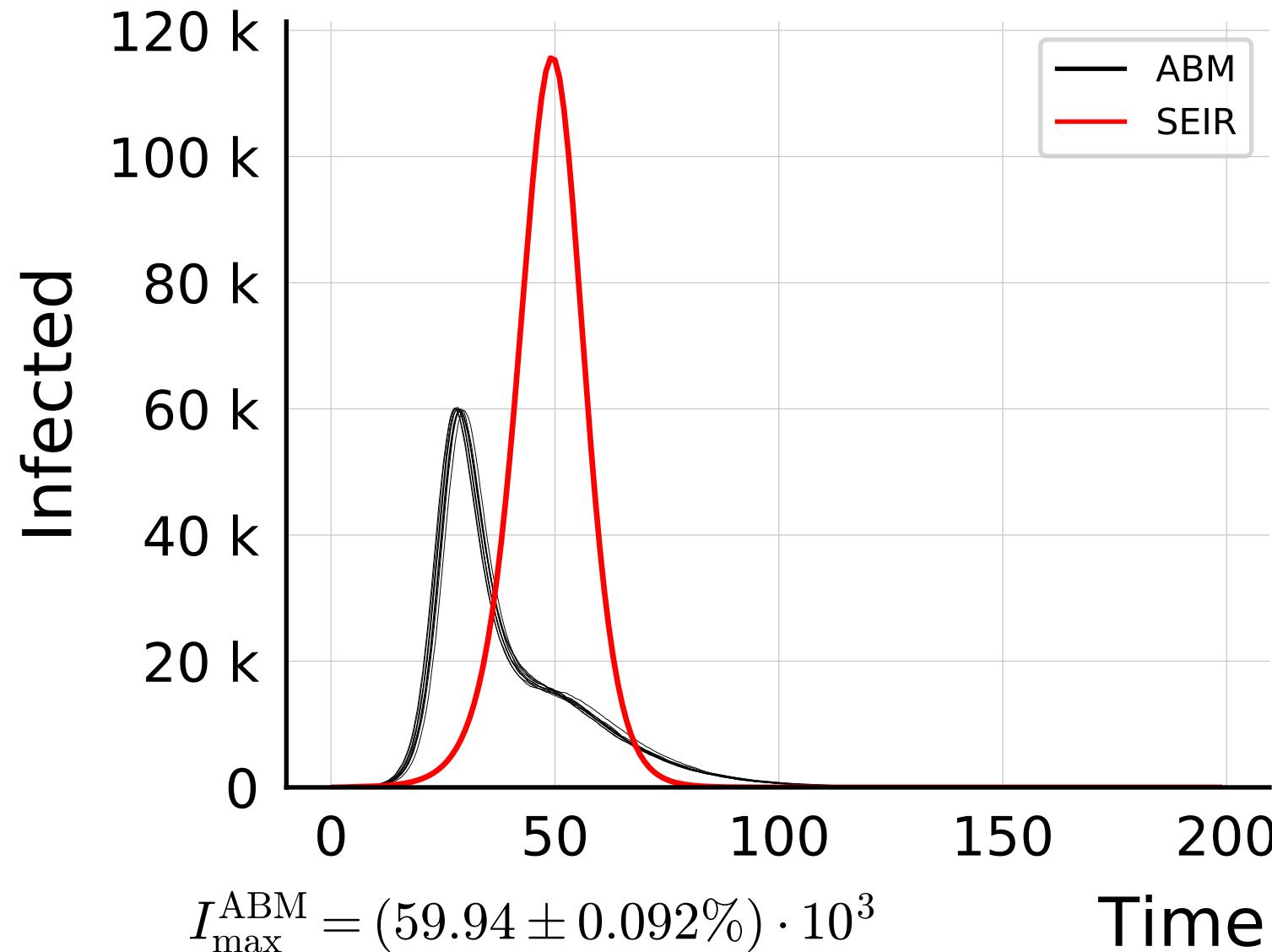
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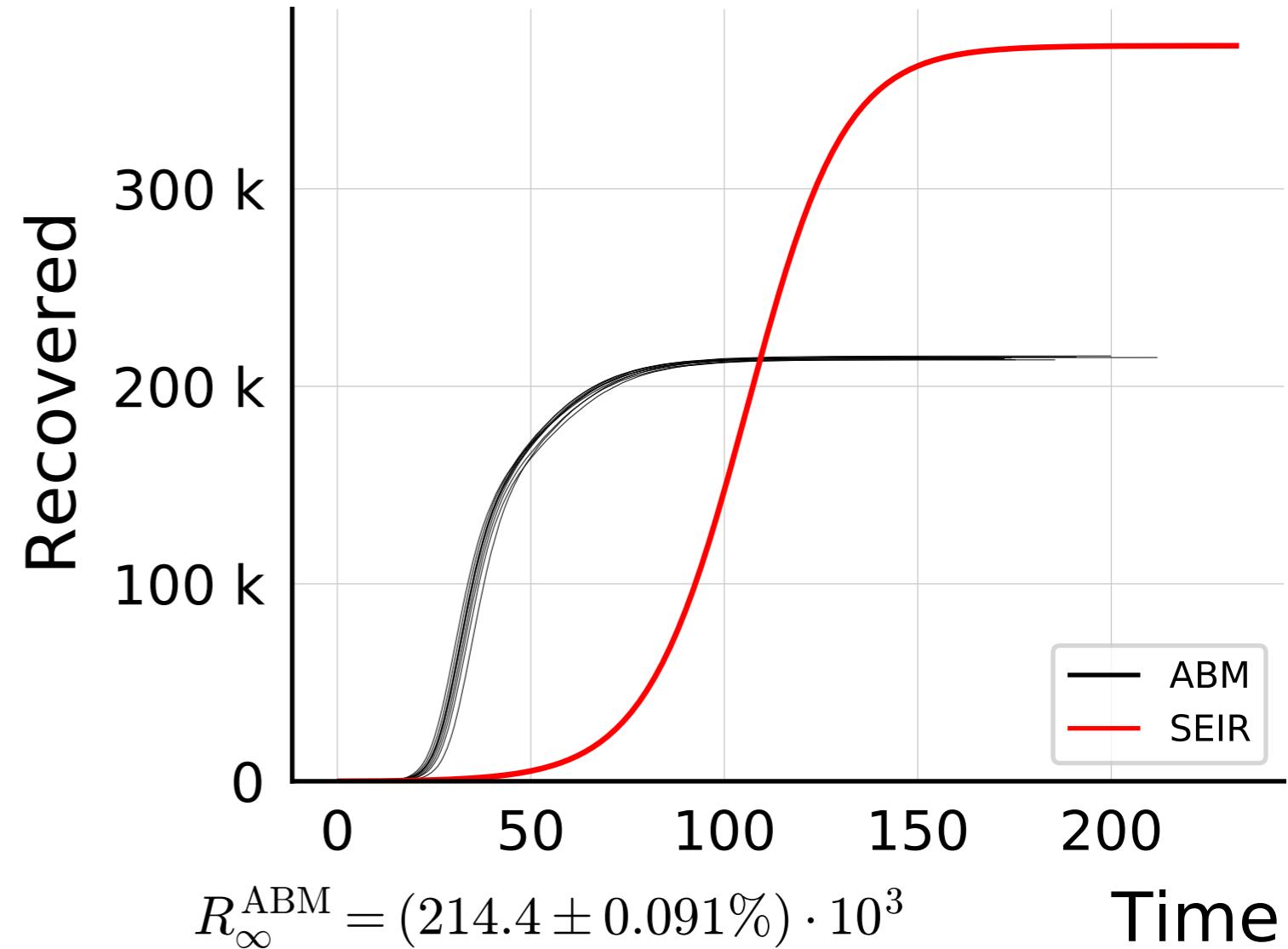
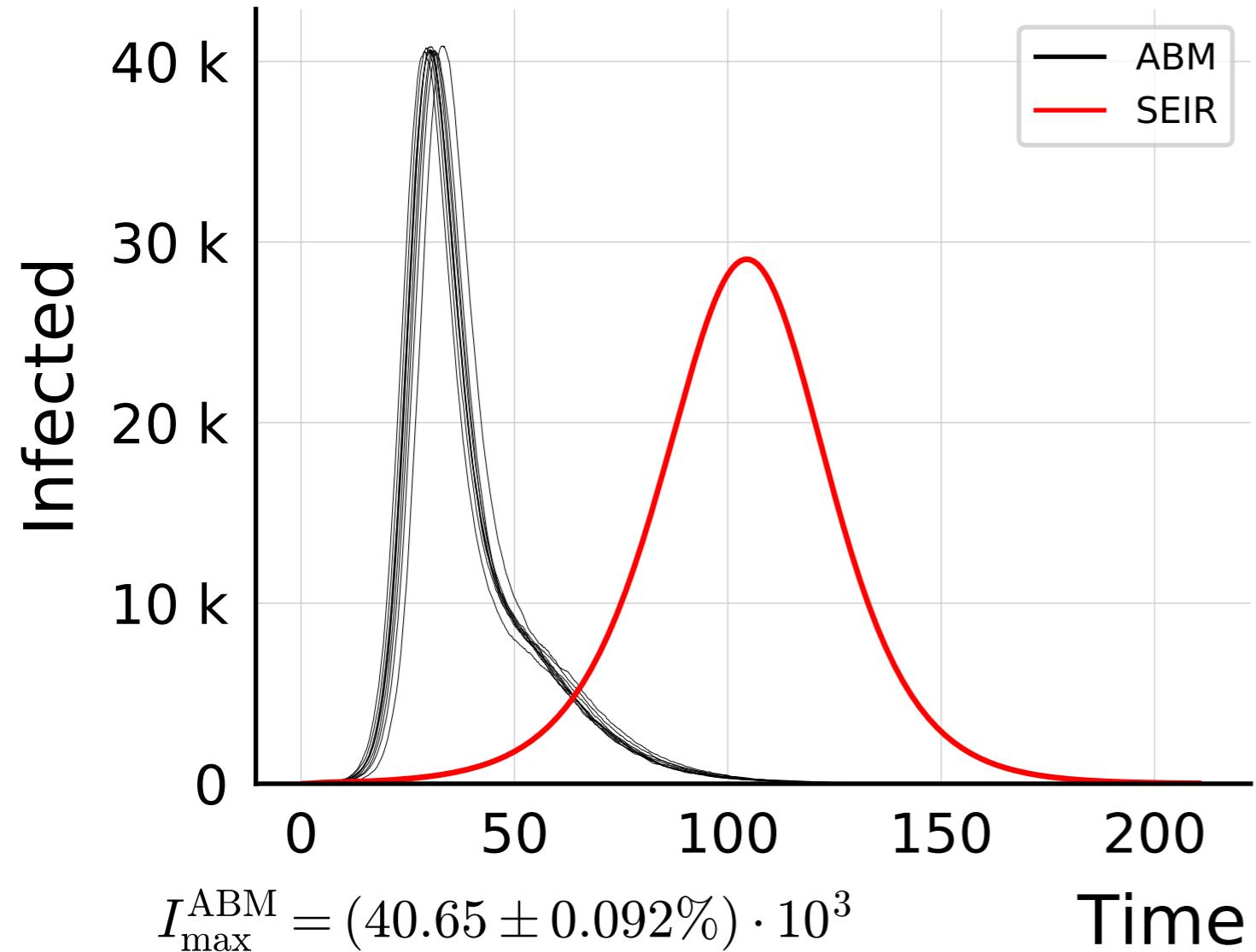
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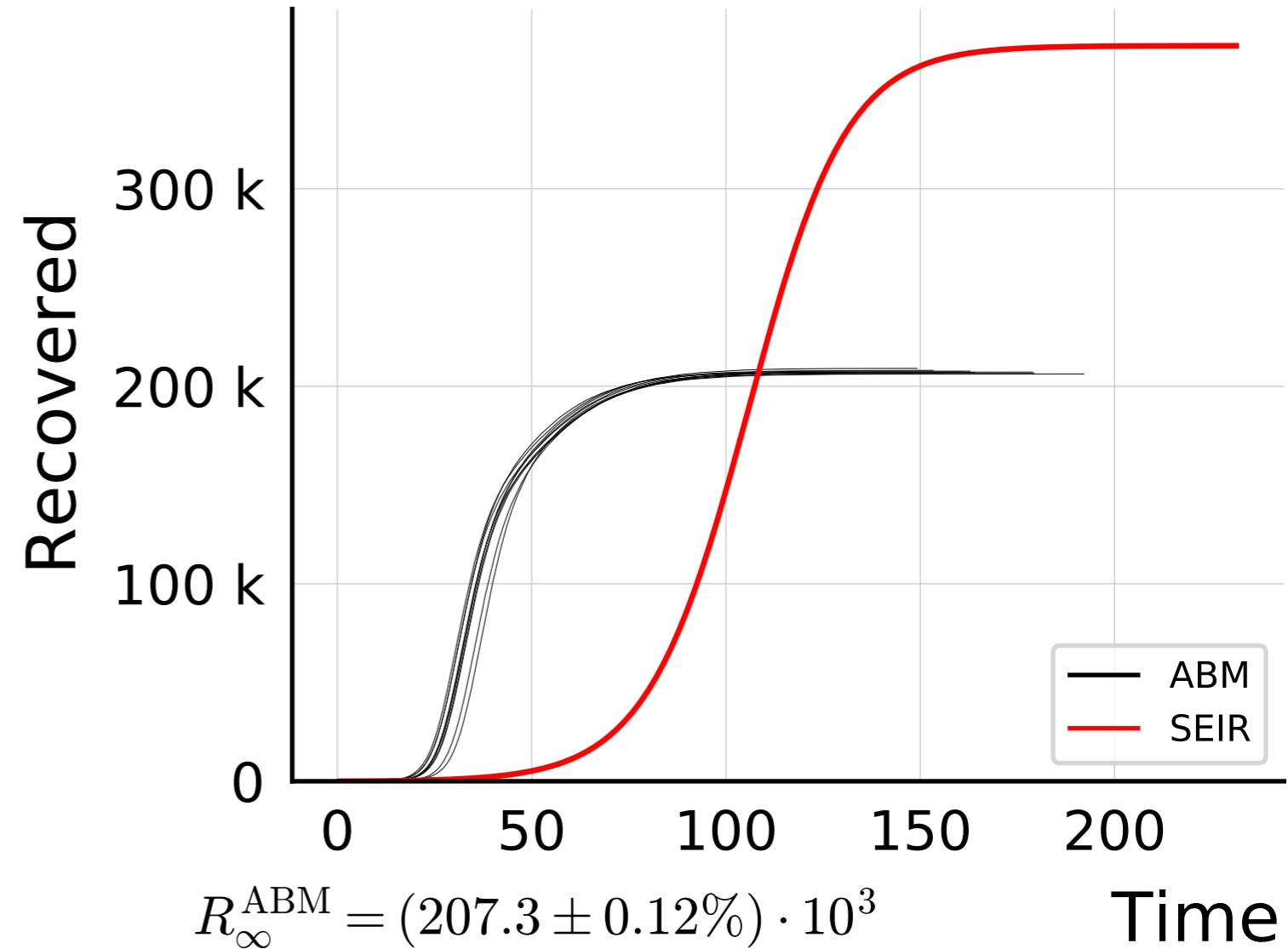
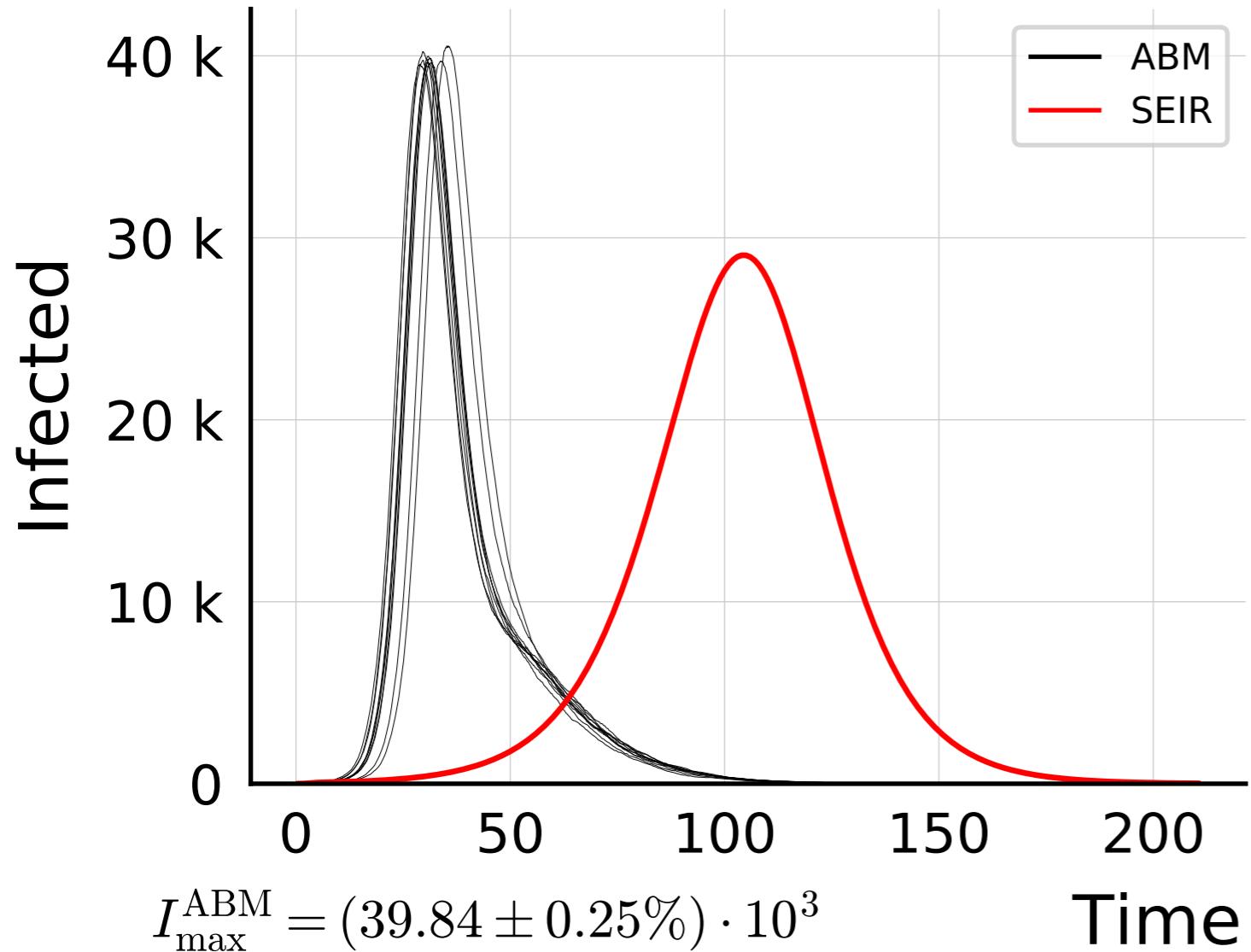
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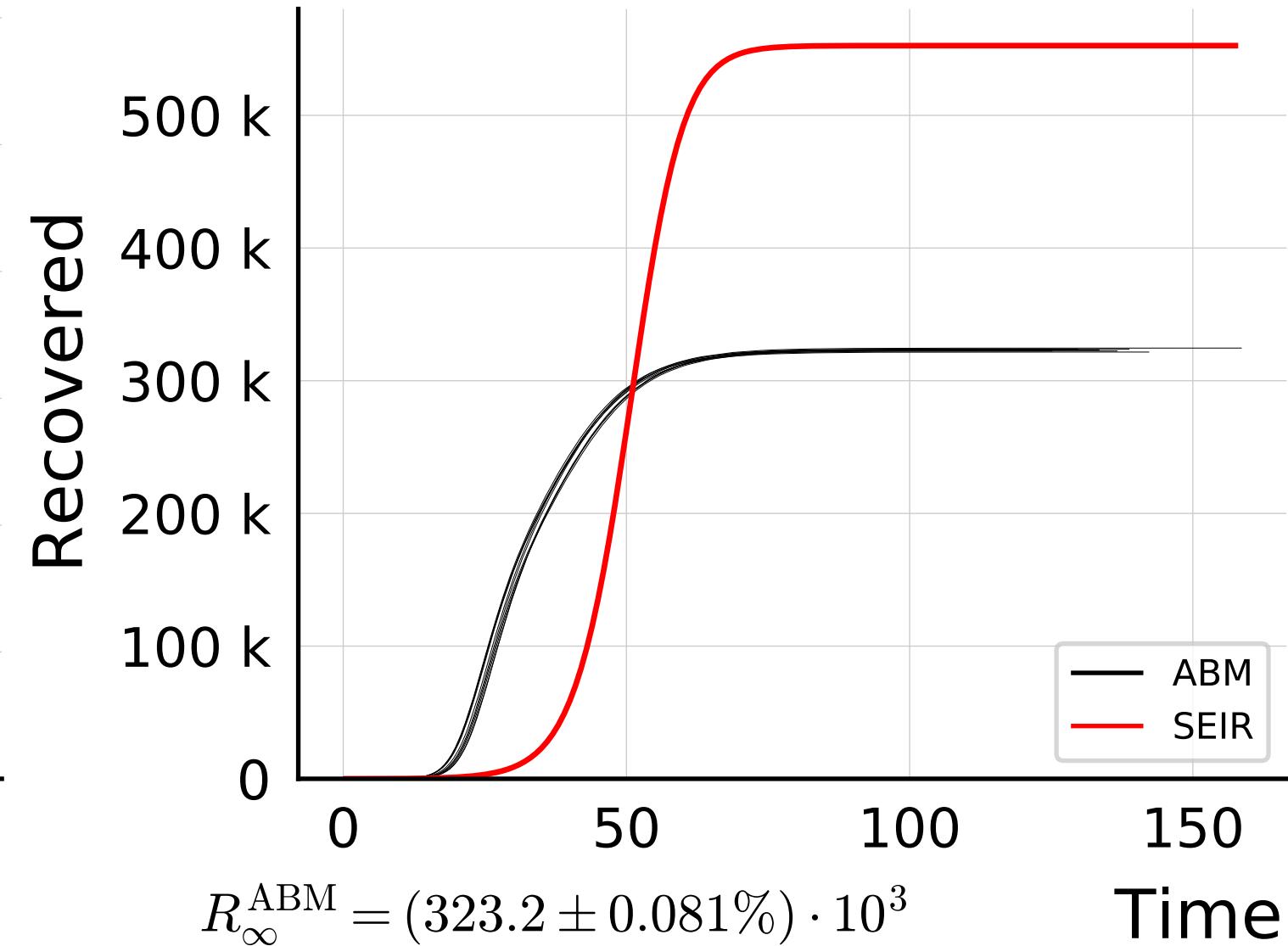
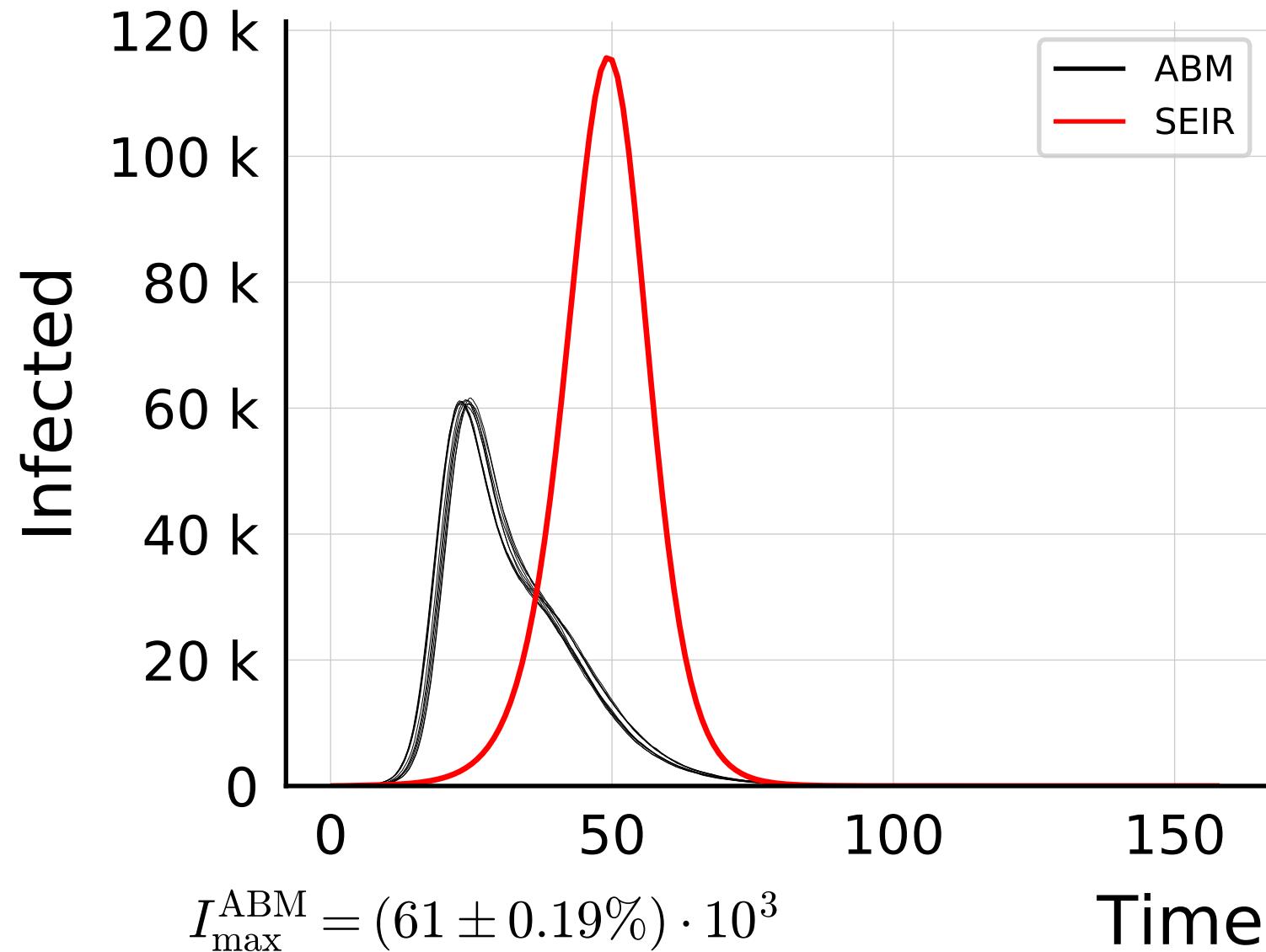
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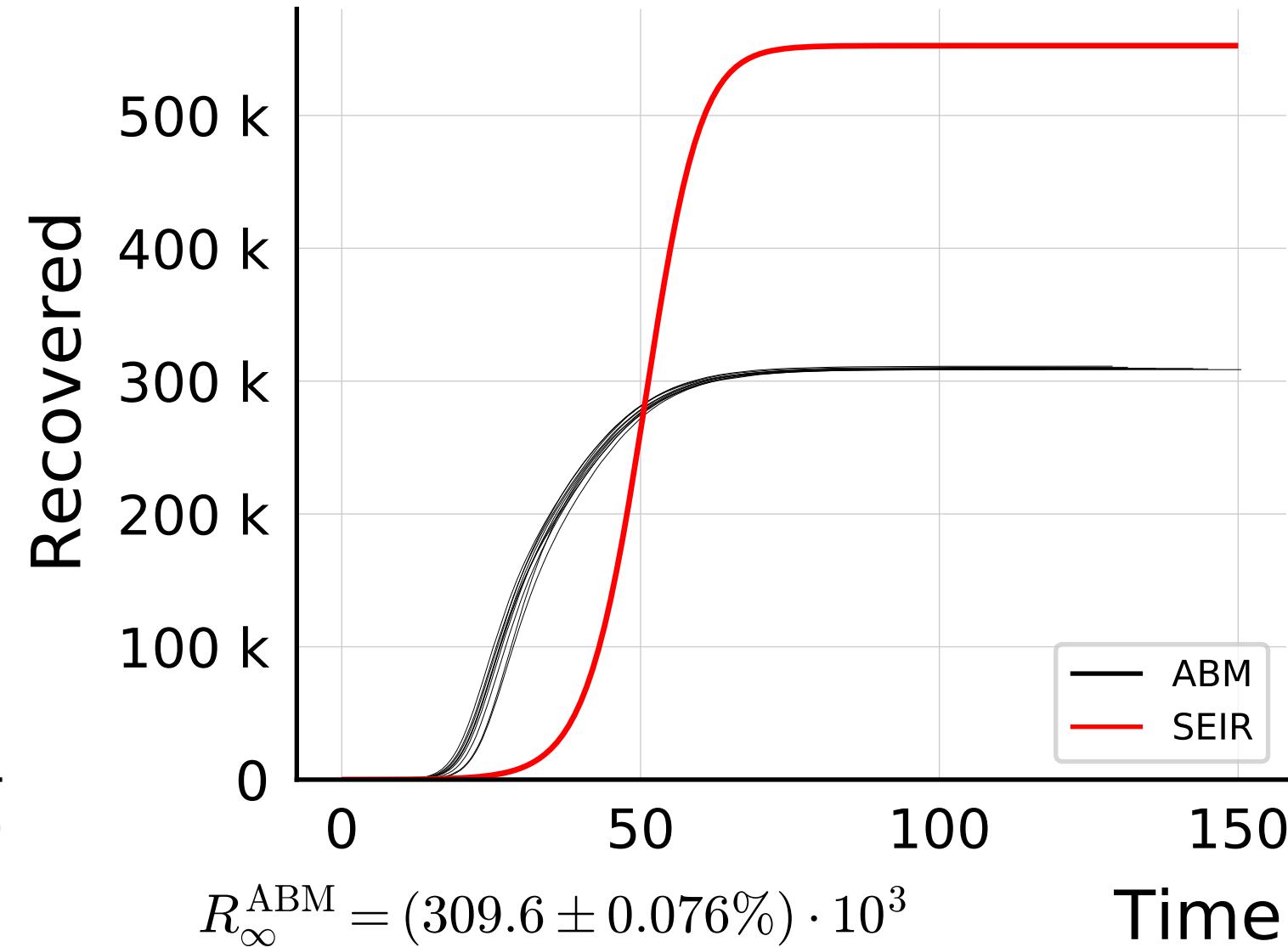
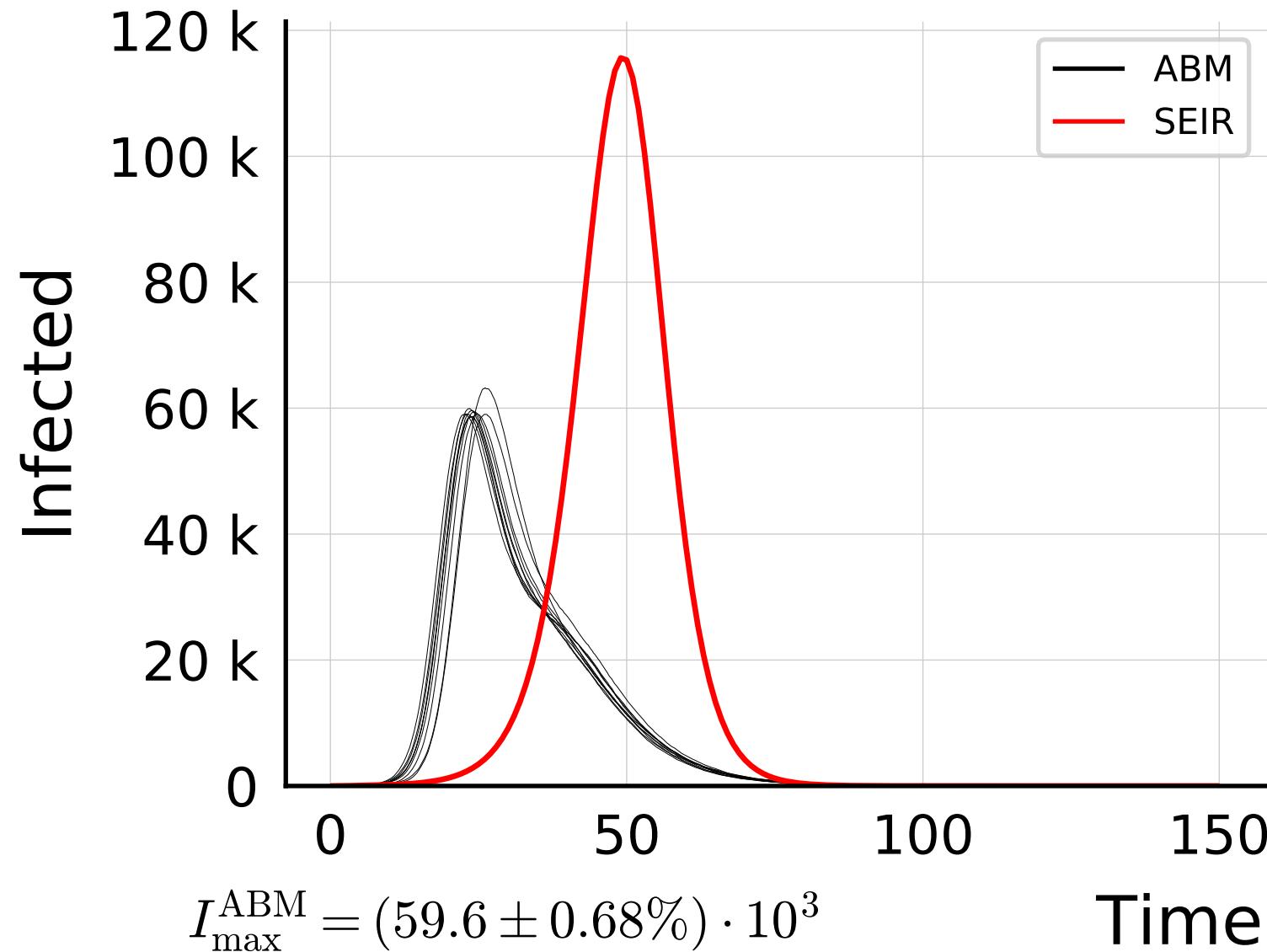
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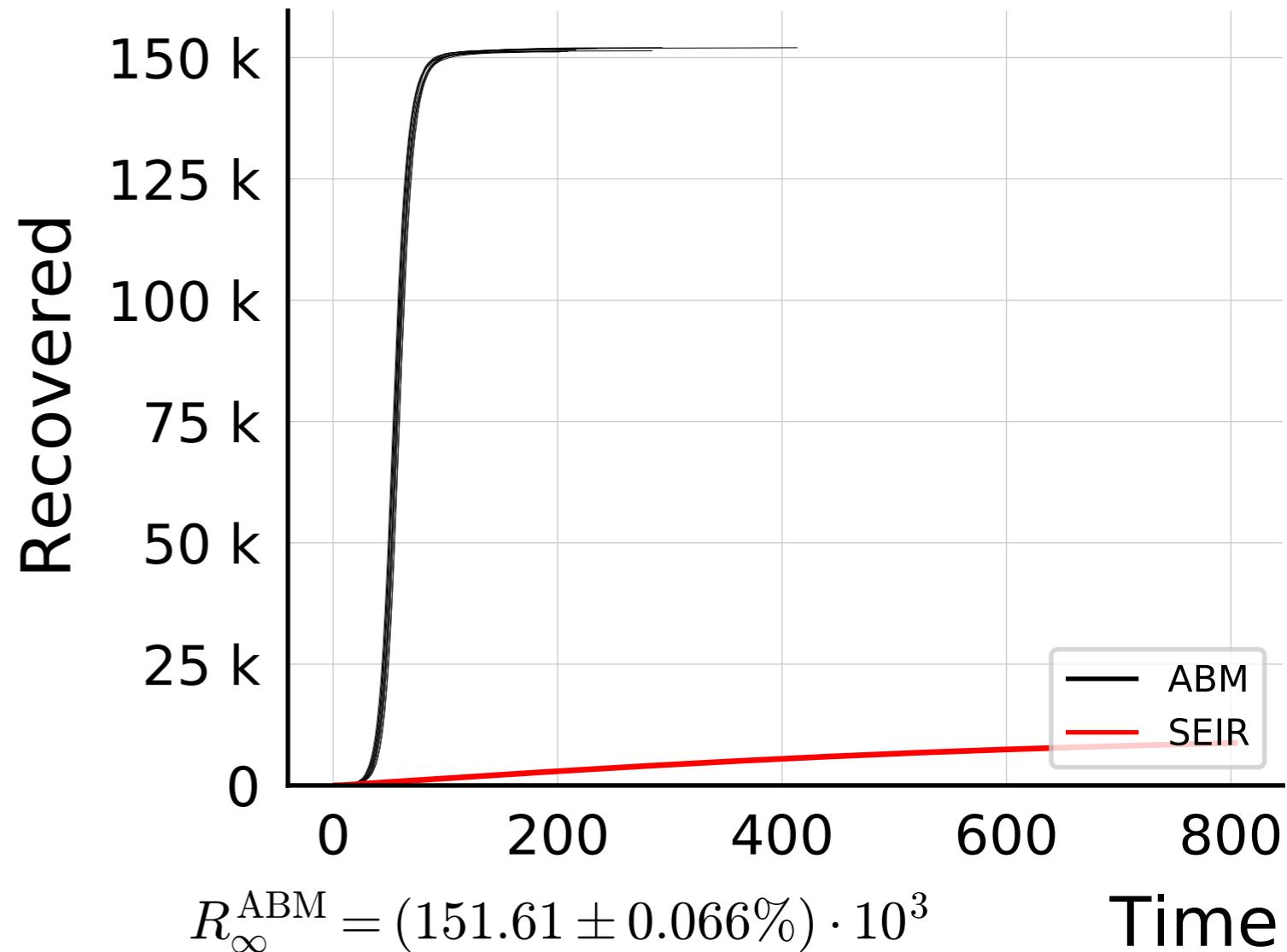
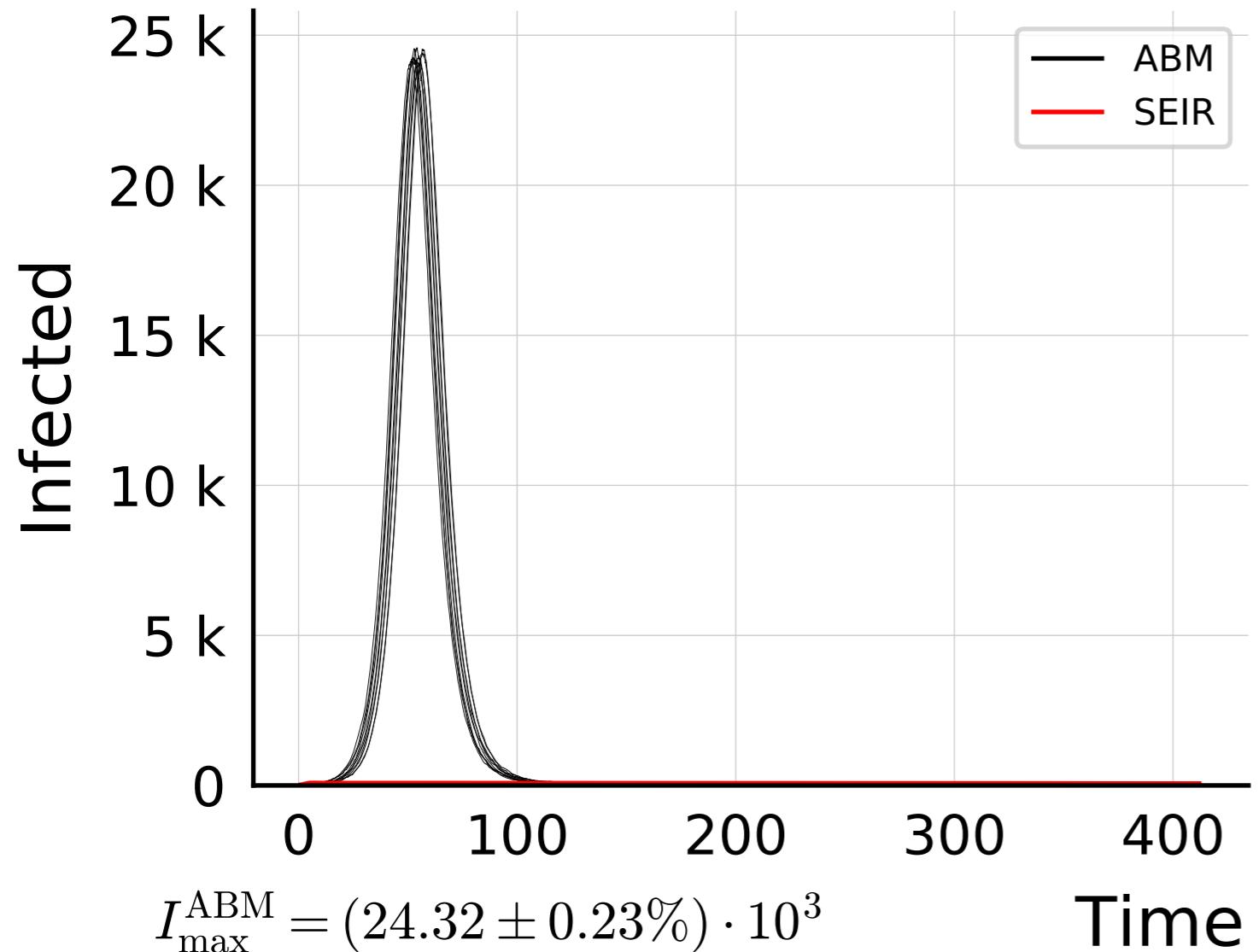
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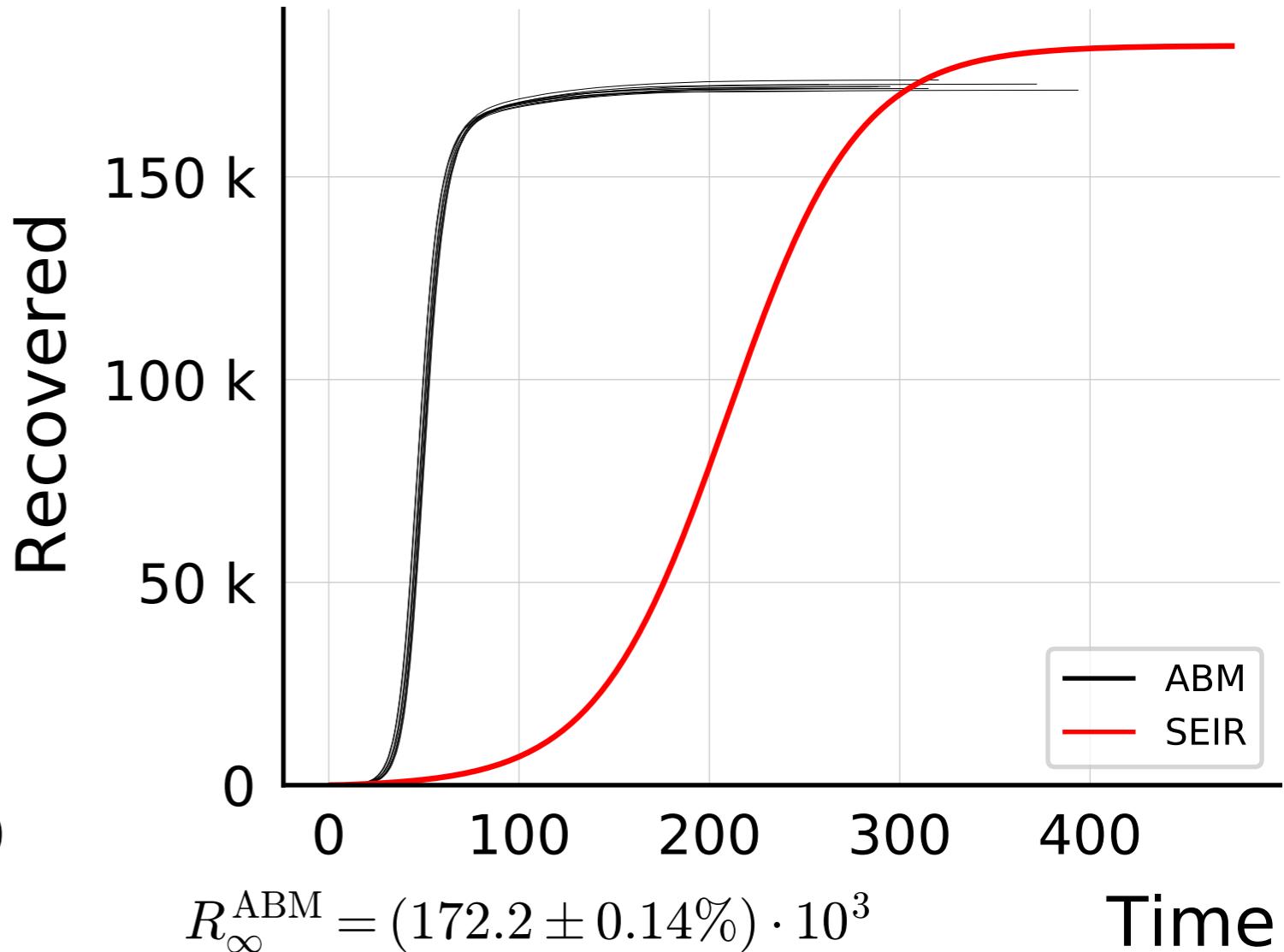
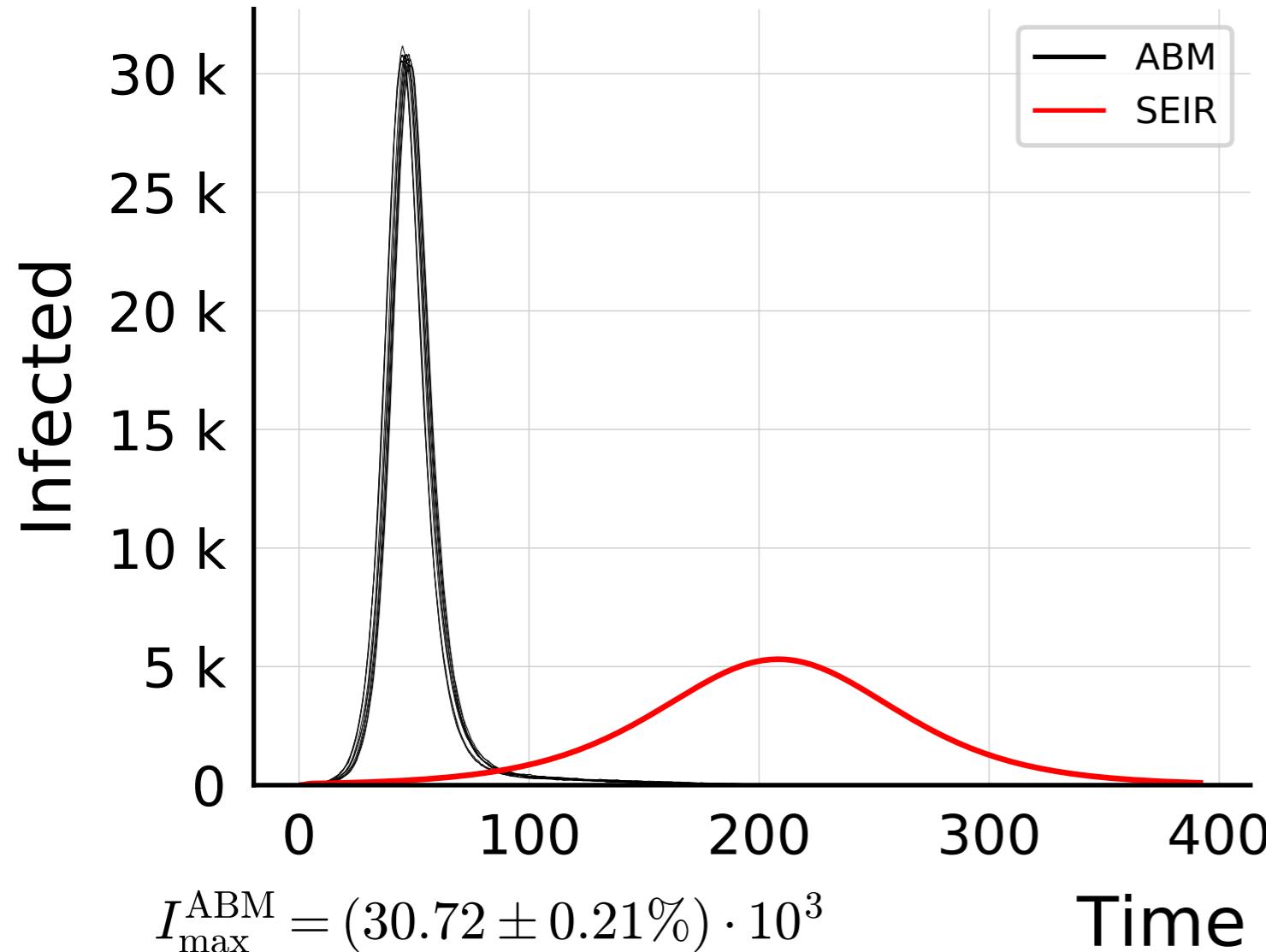
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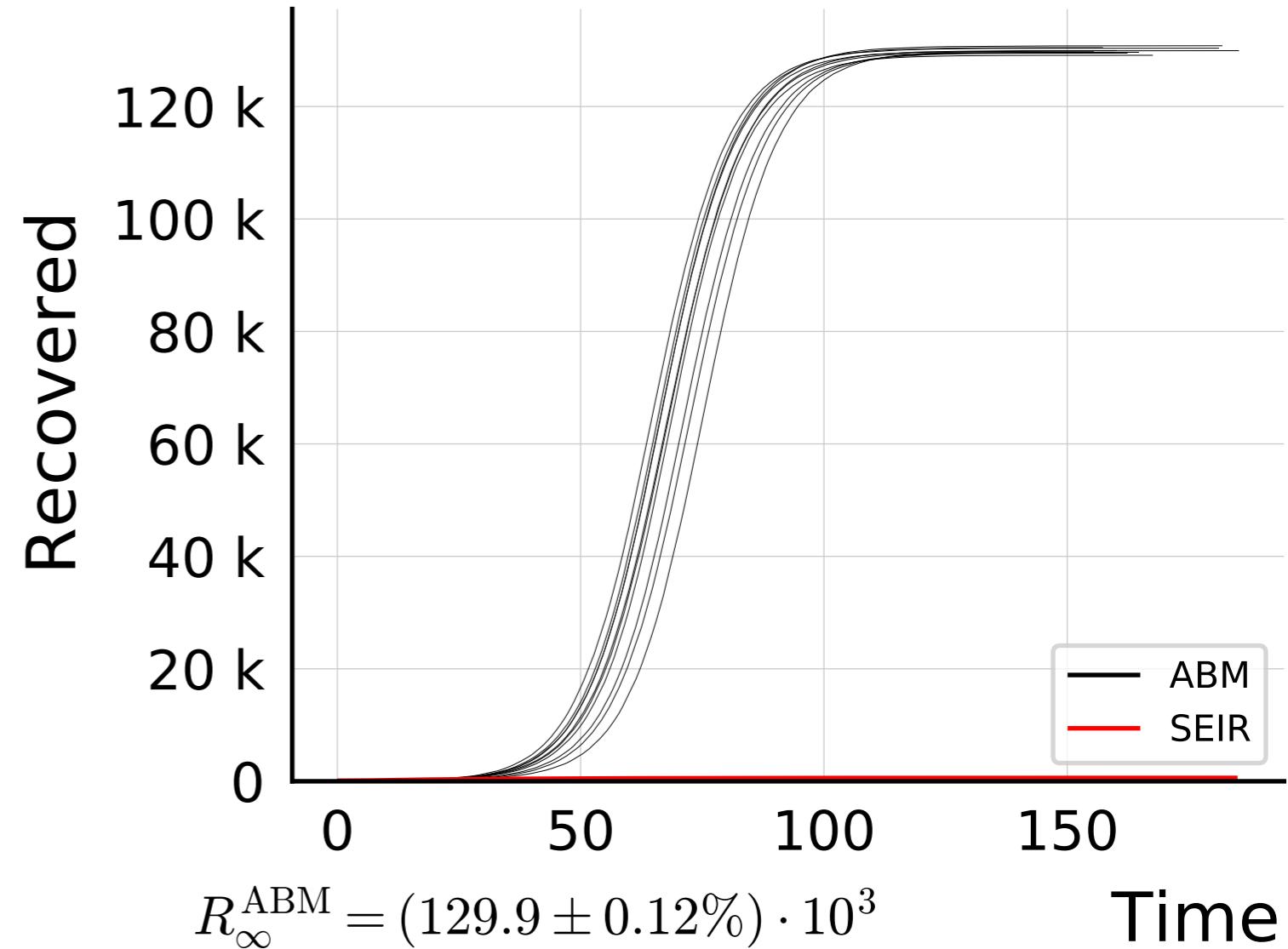
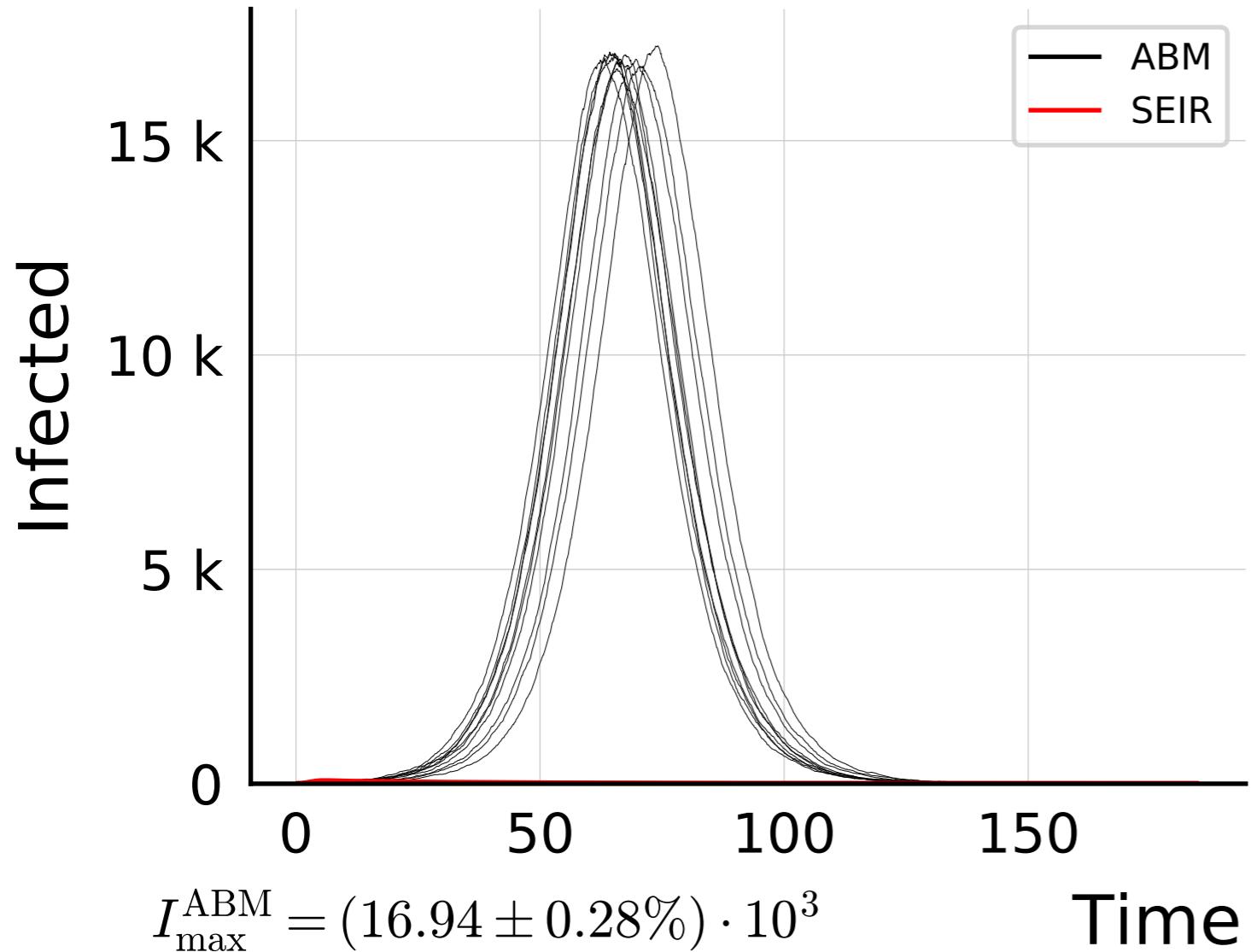
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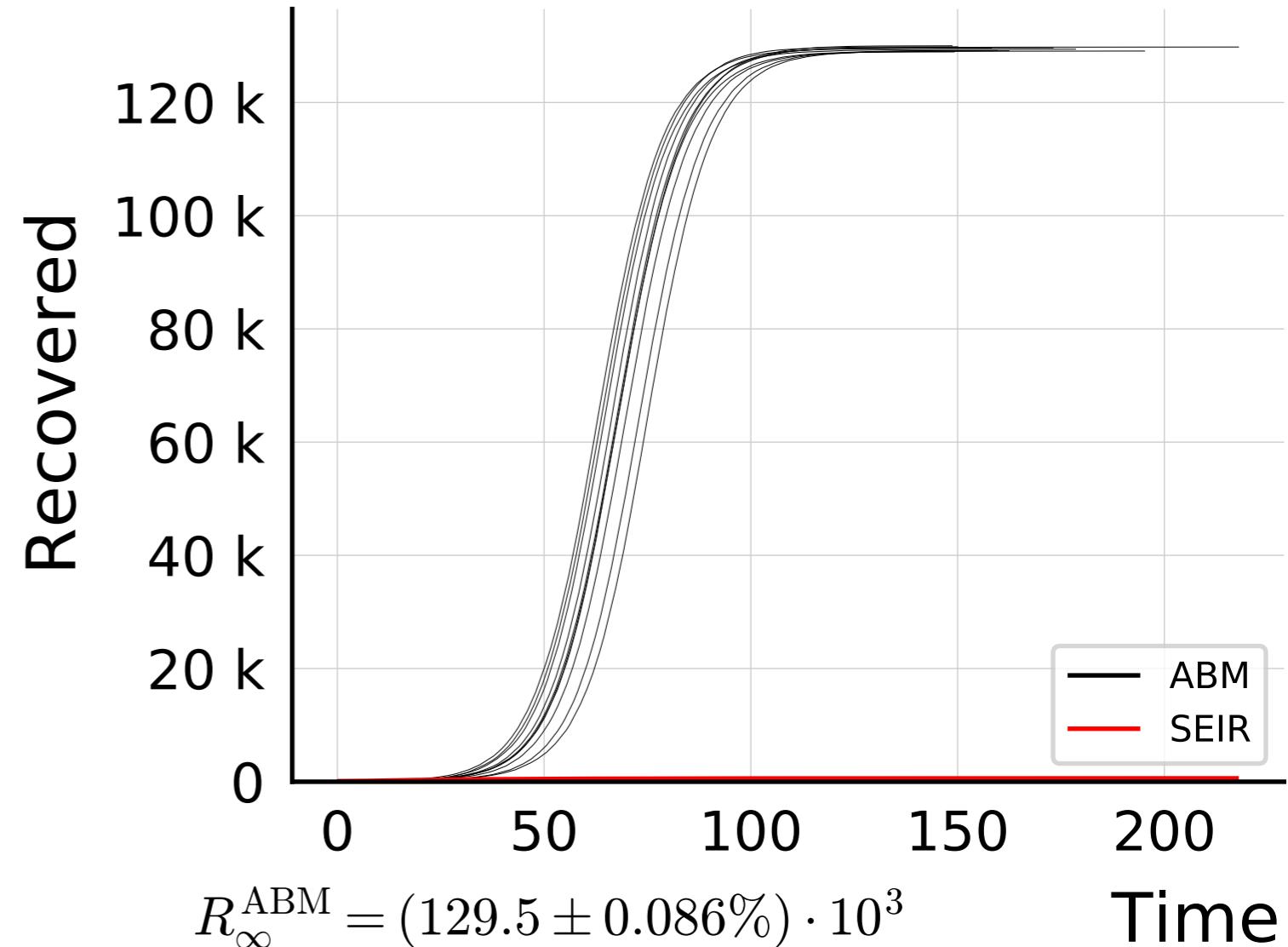
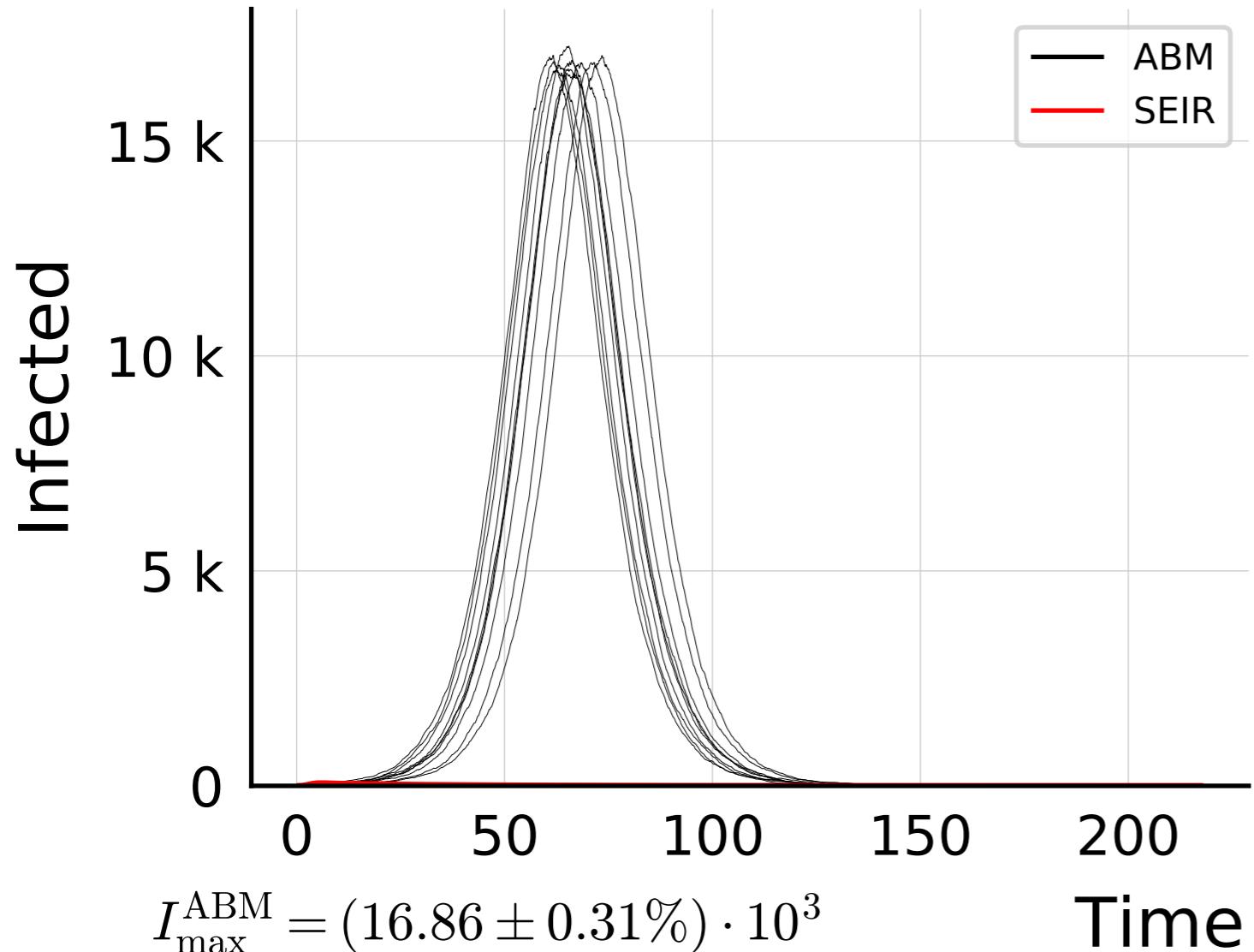
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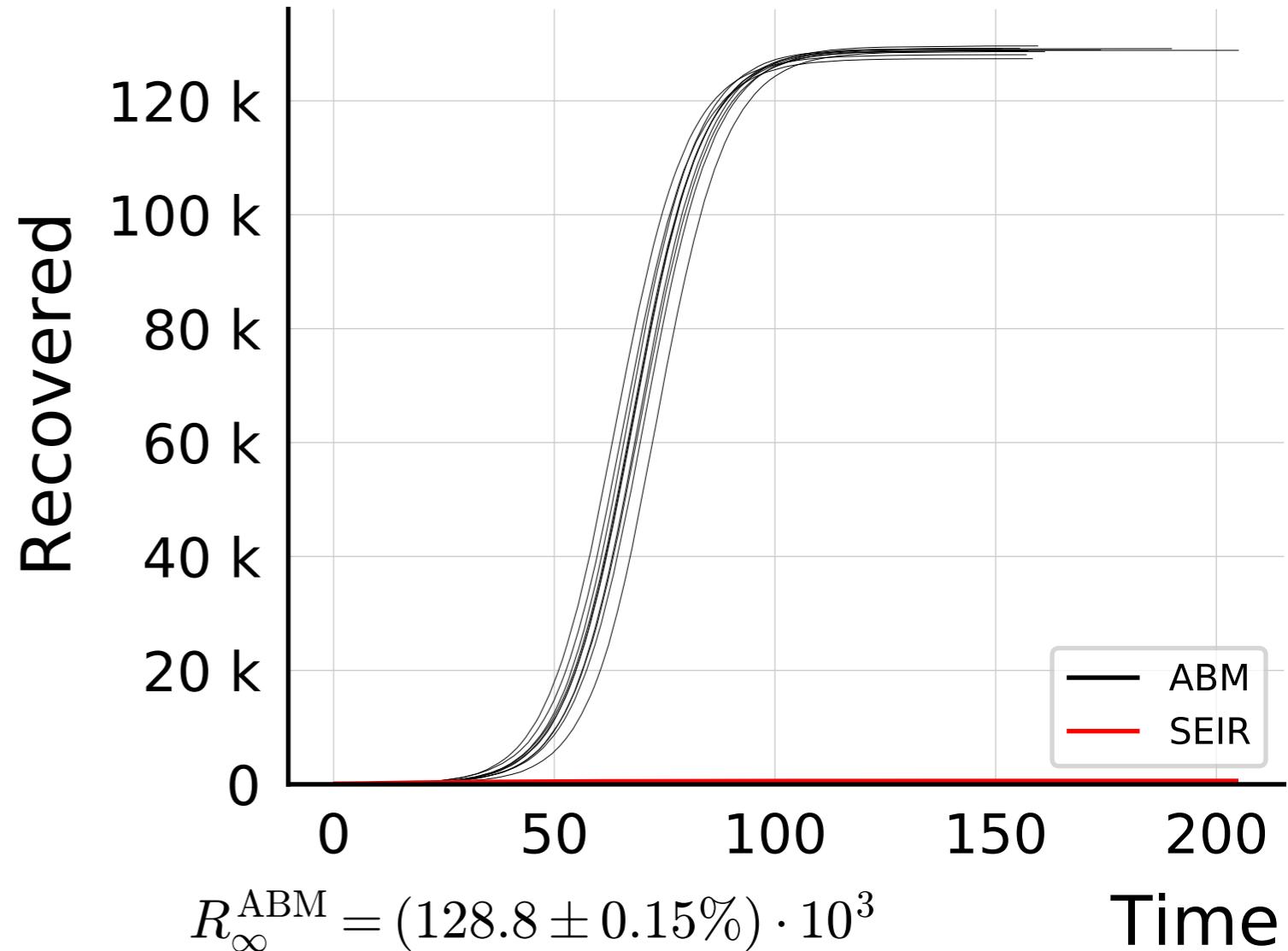
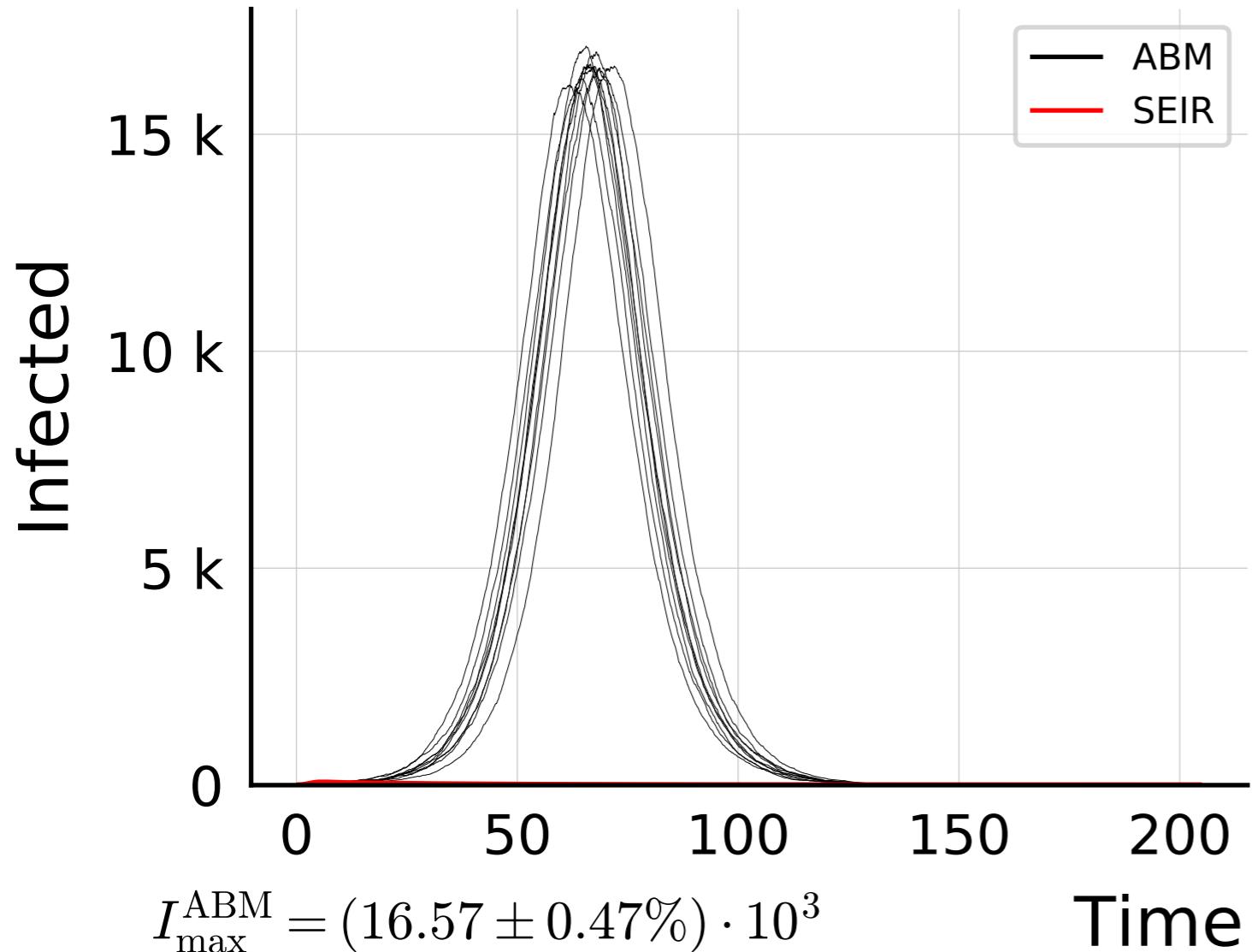
$N_{\text{tot}} = 580K$ ,  $N_{\text{init}} = 100$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.005$ ,  $\sigma_\beta = 0.0$   
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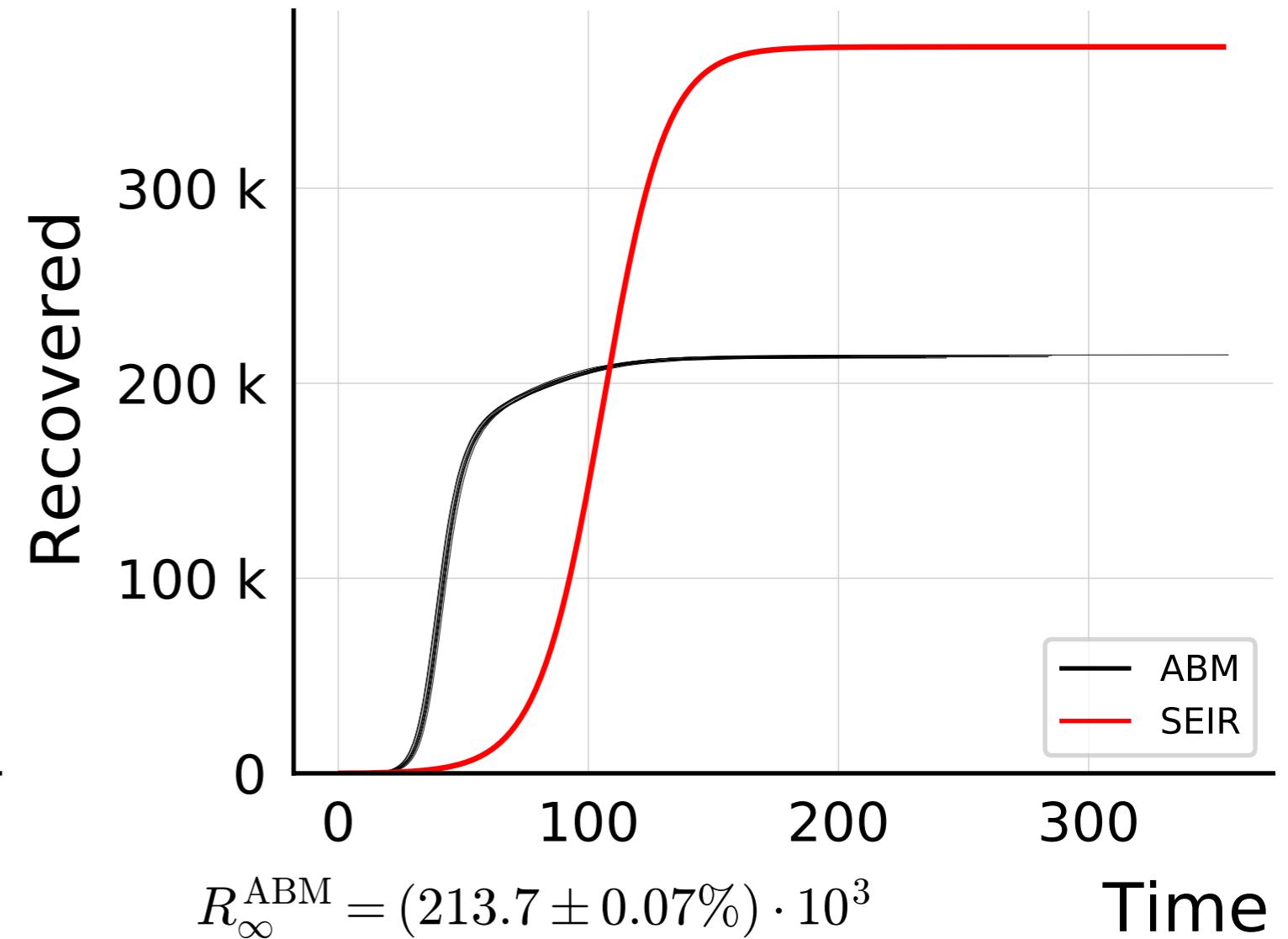
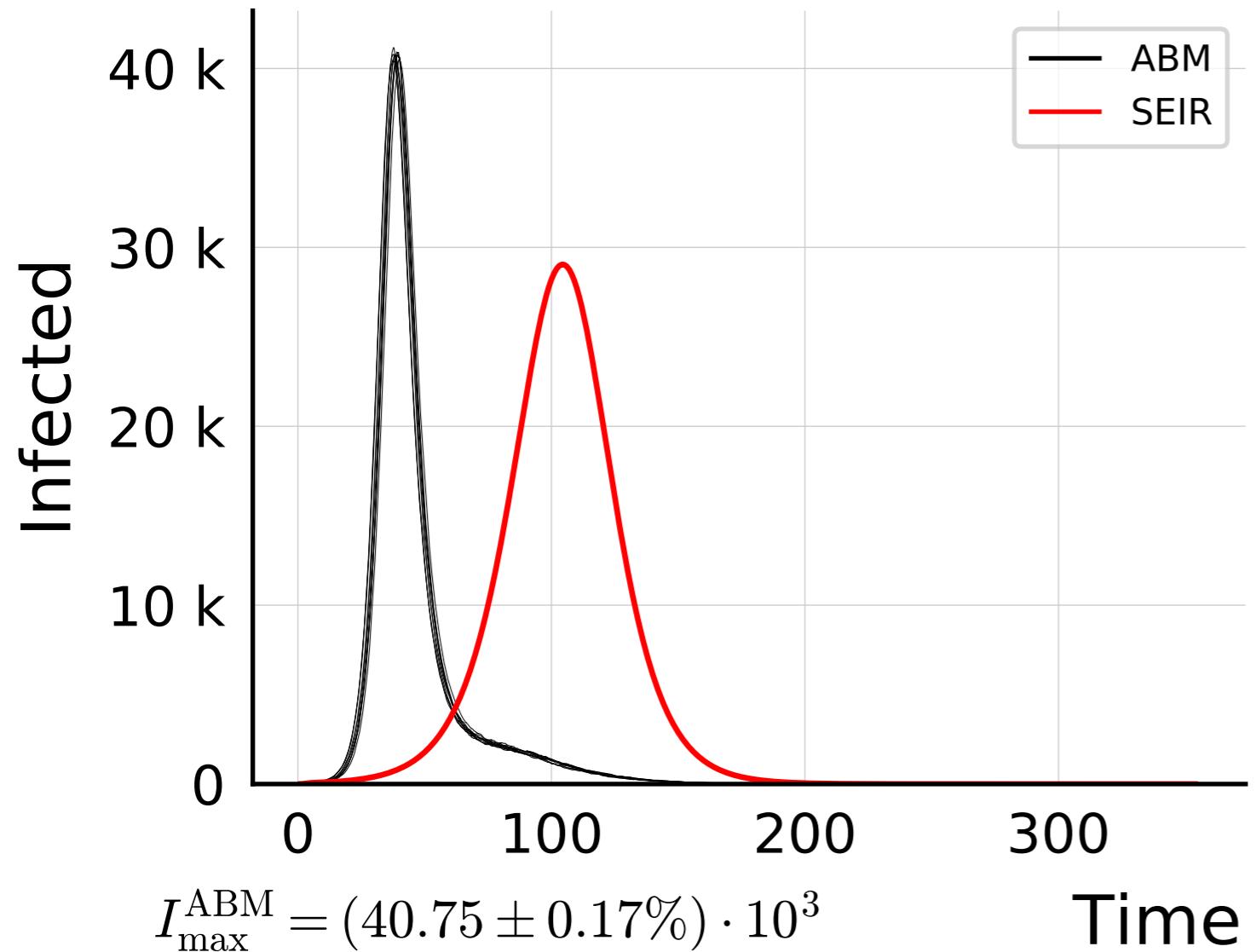
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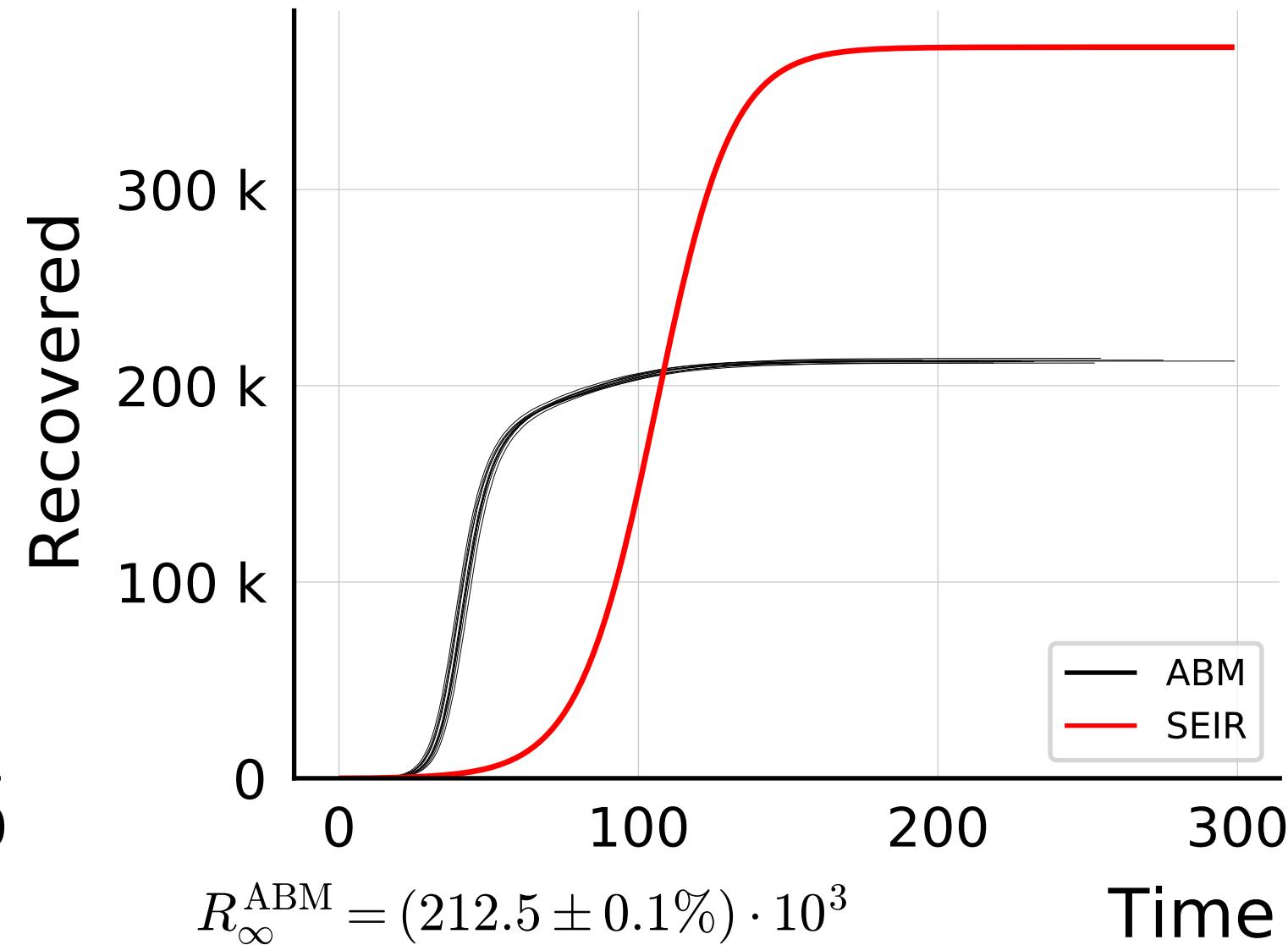
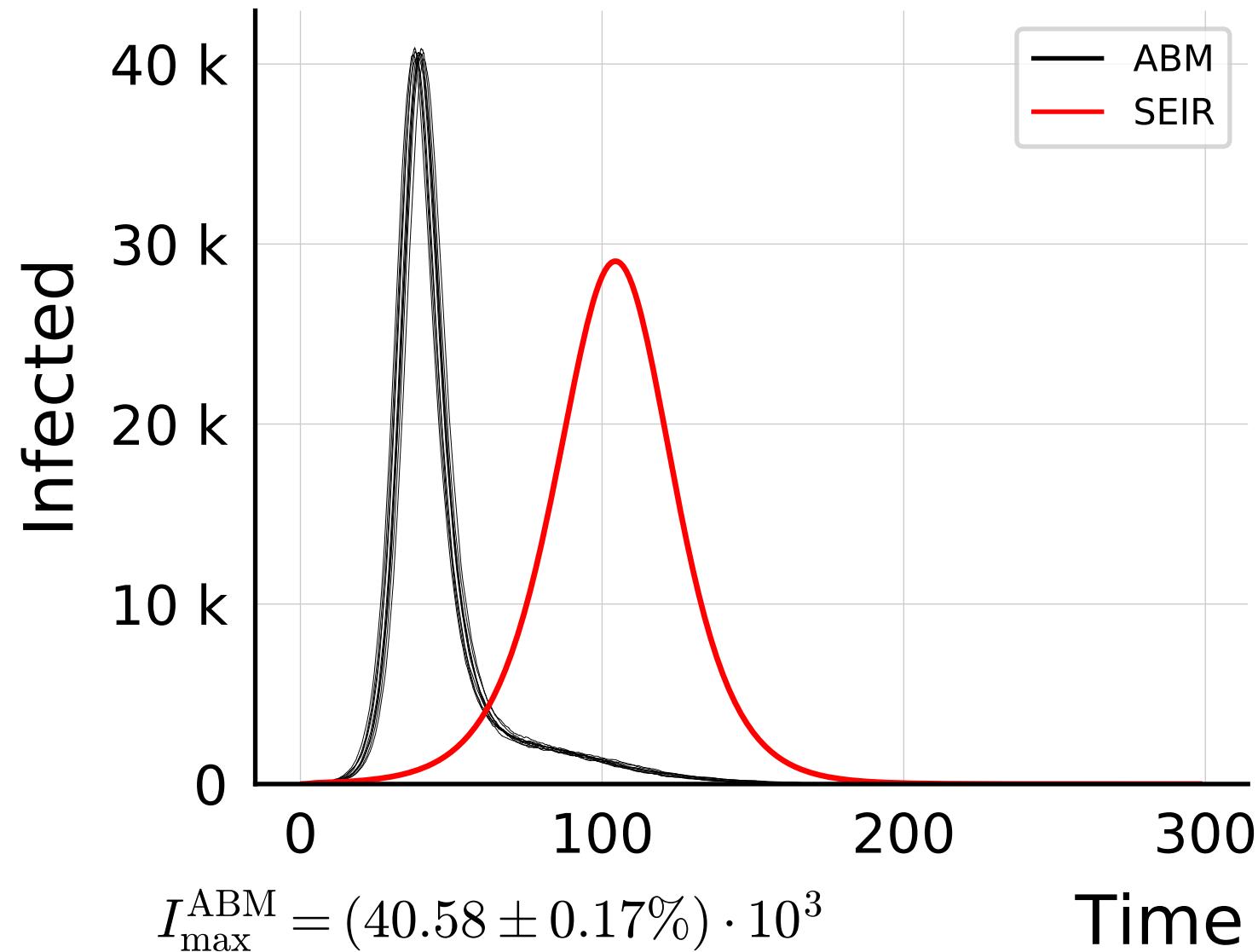
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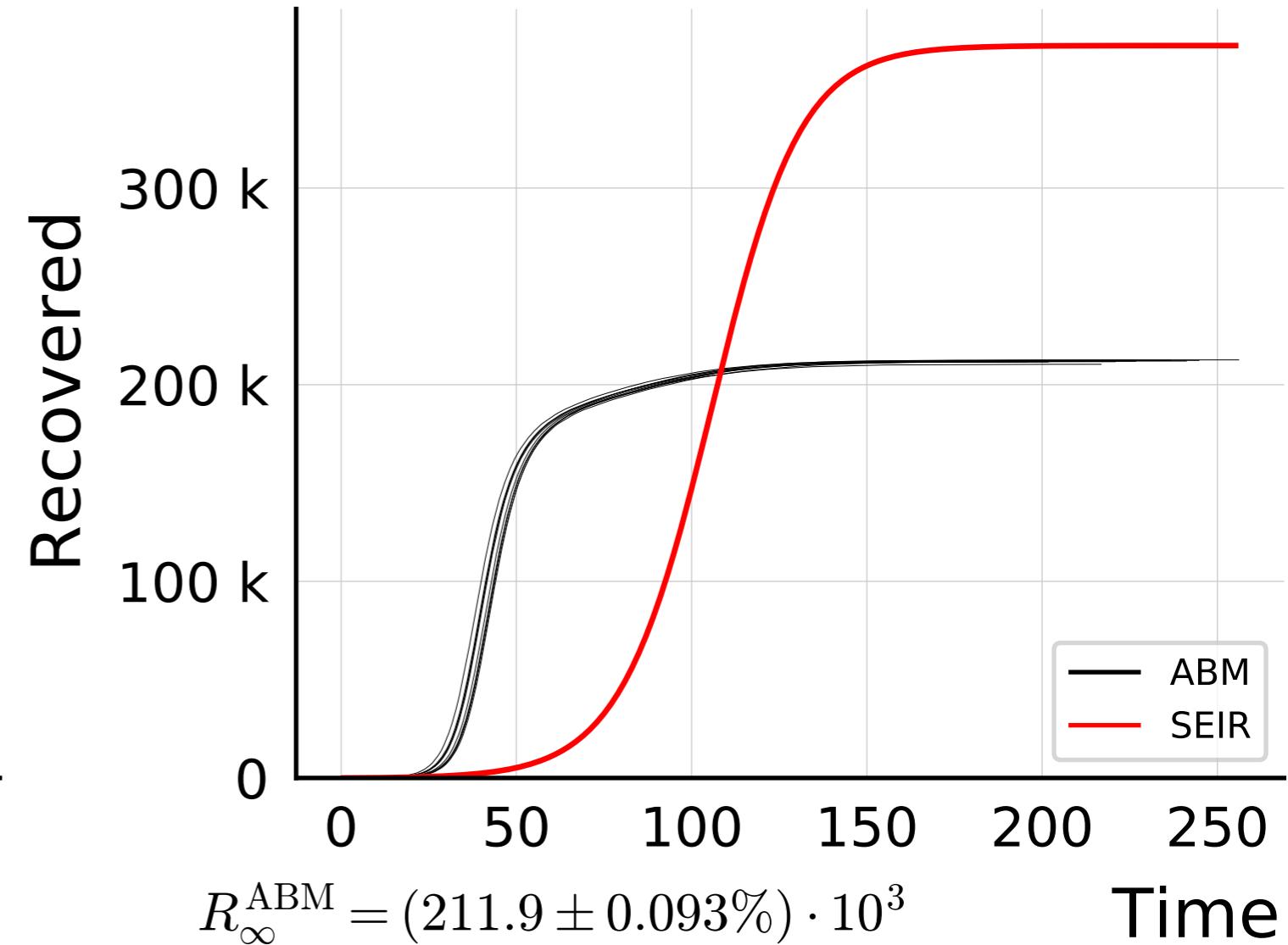
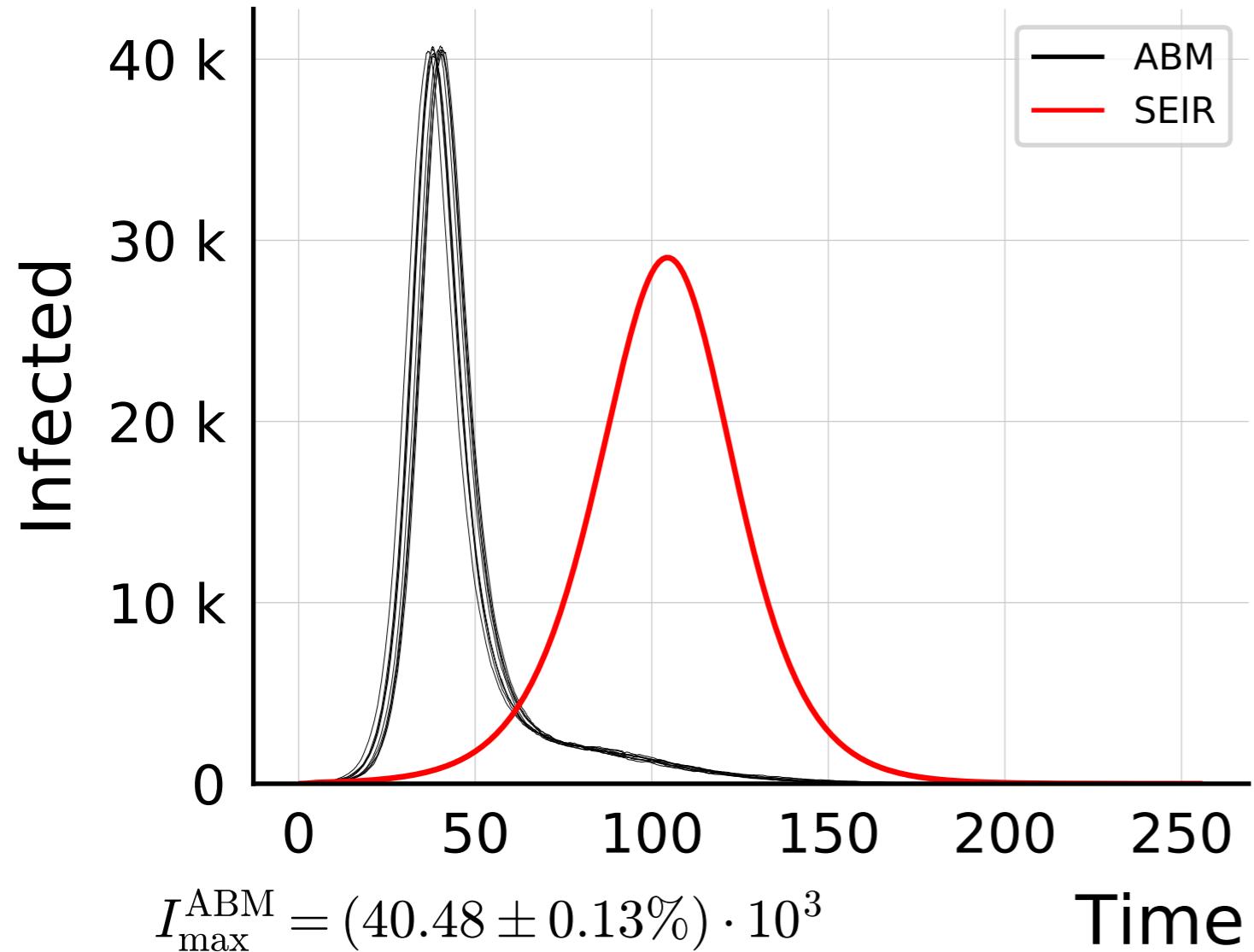
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 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , algo = 2, #10



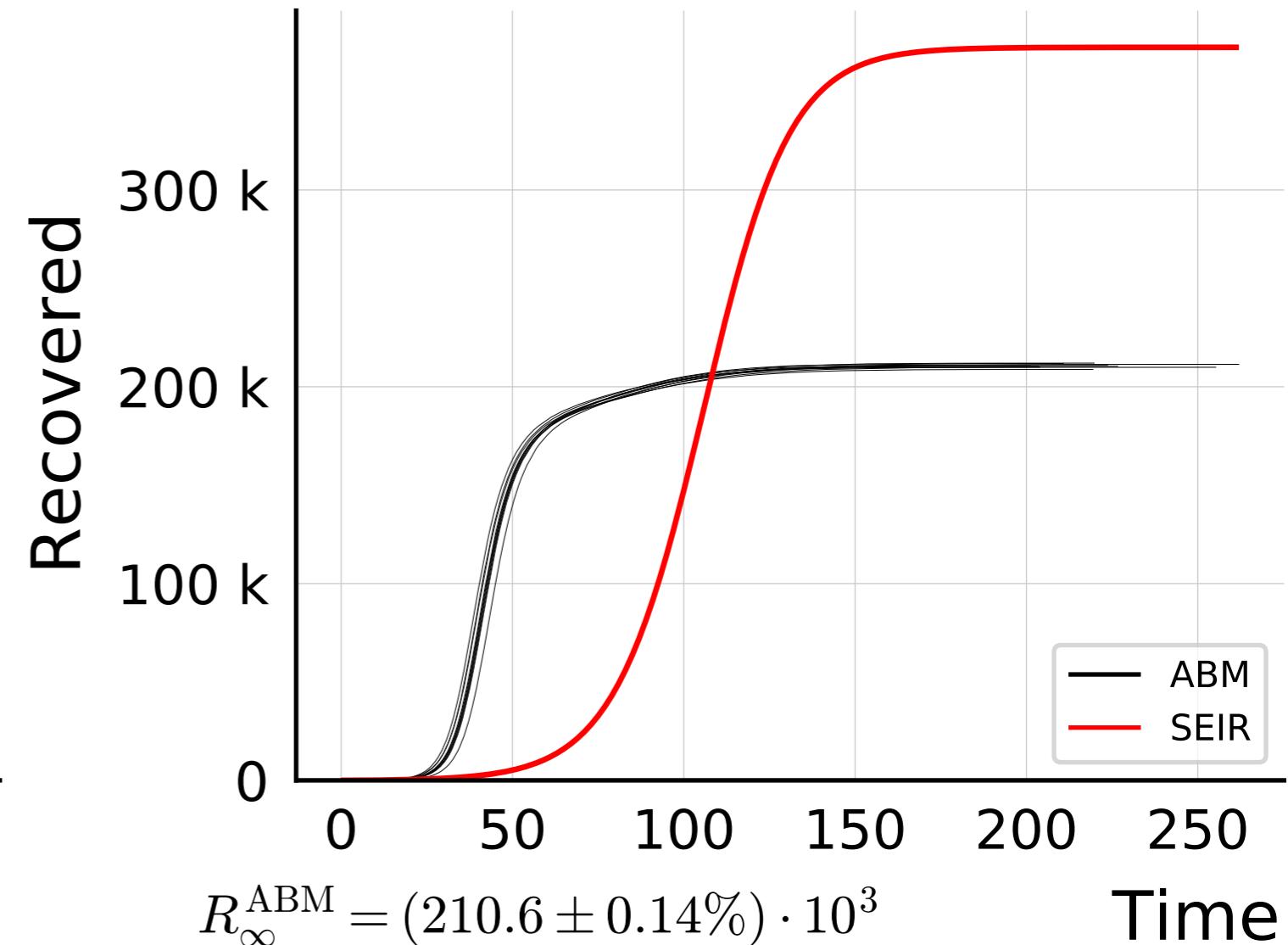
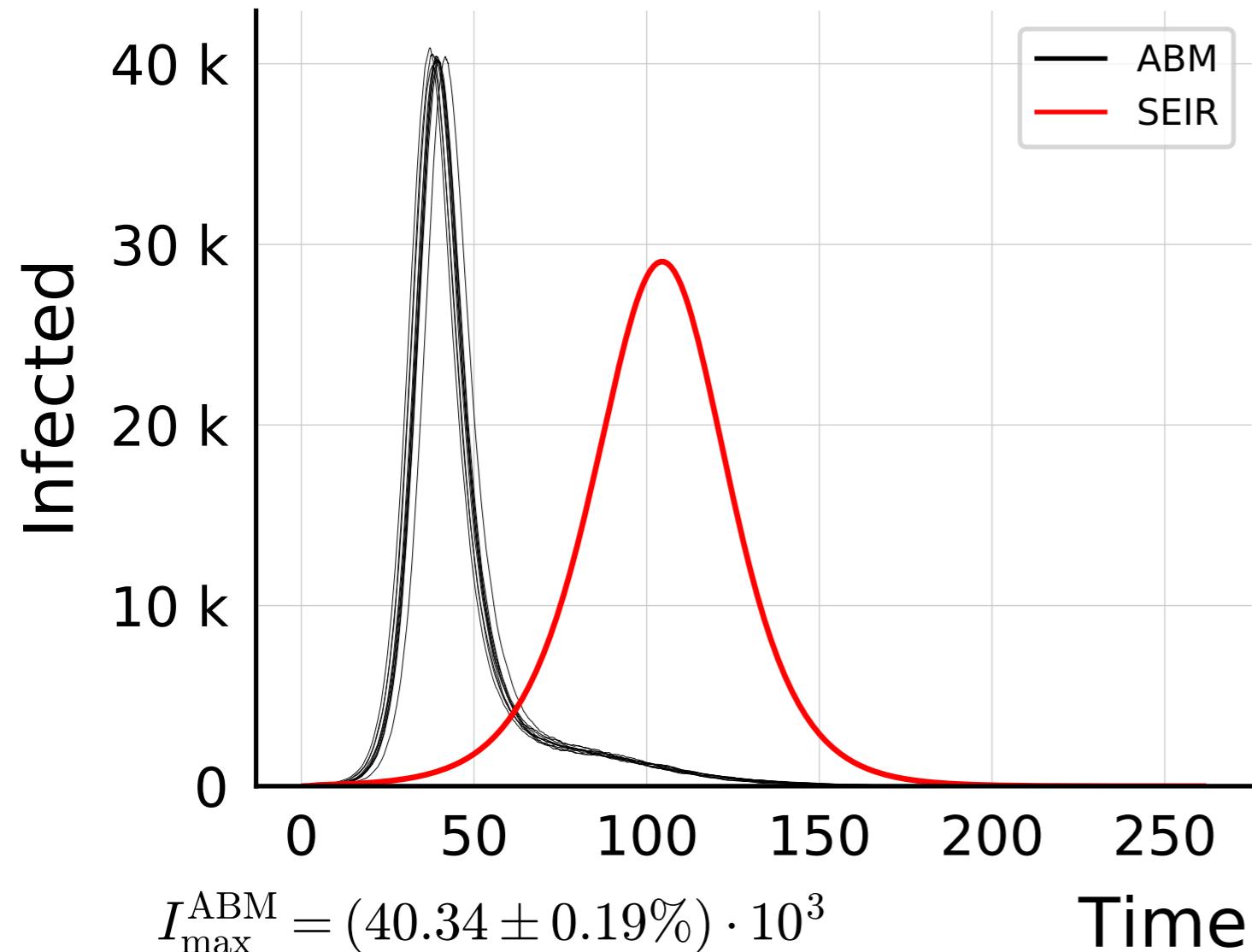
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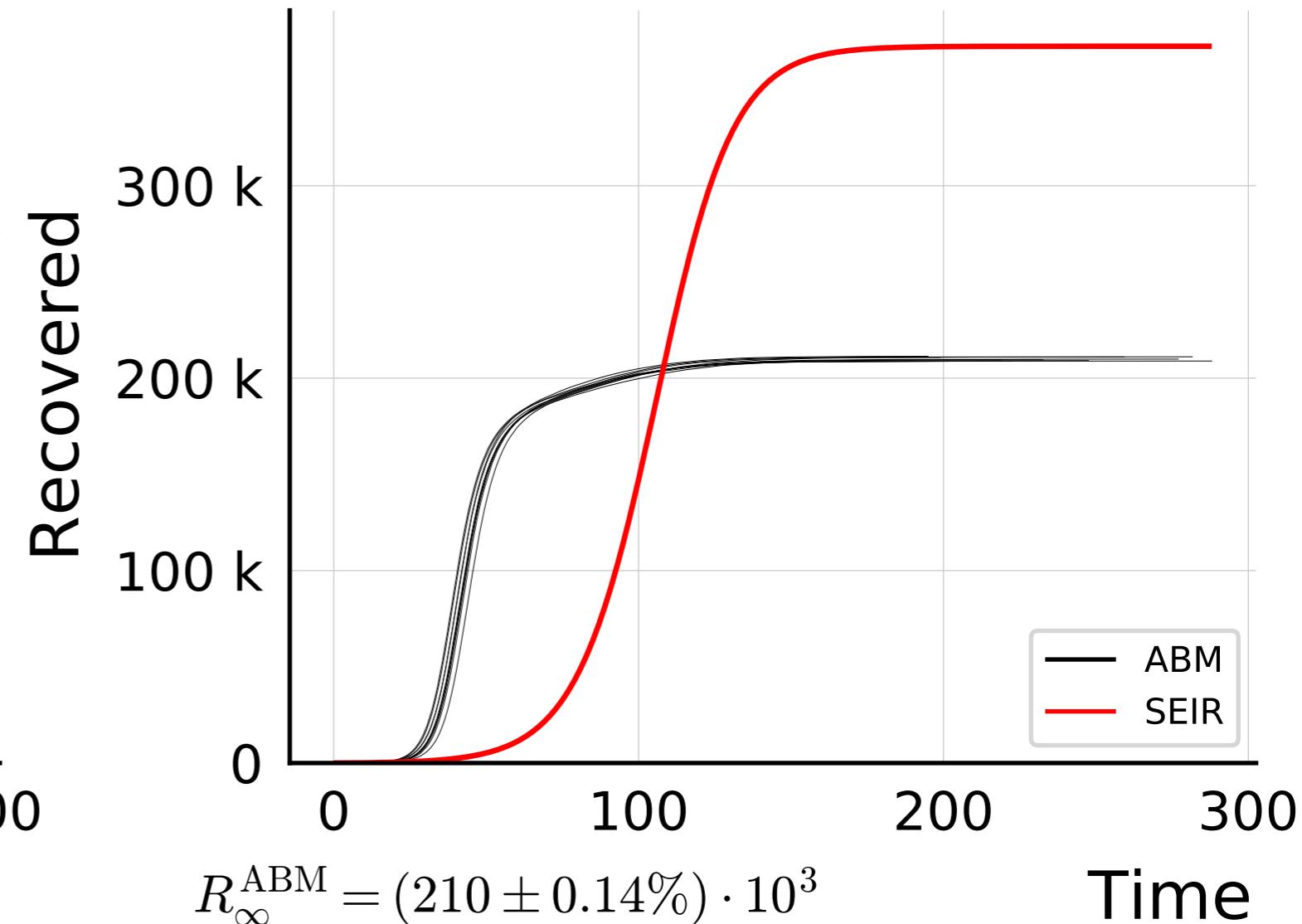
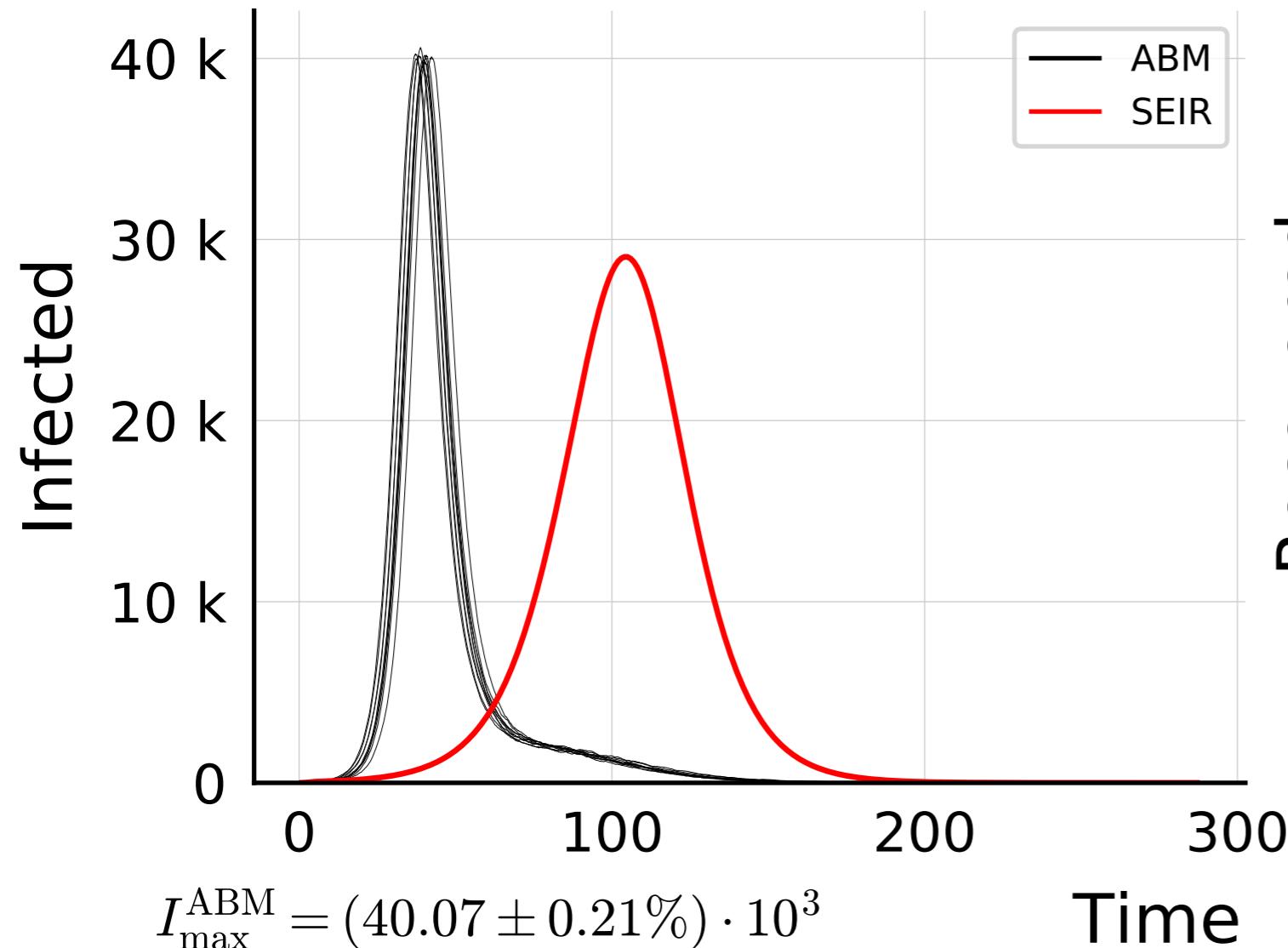
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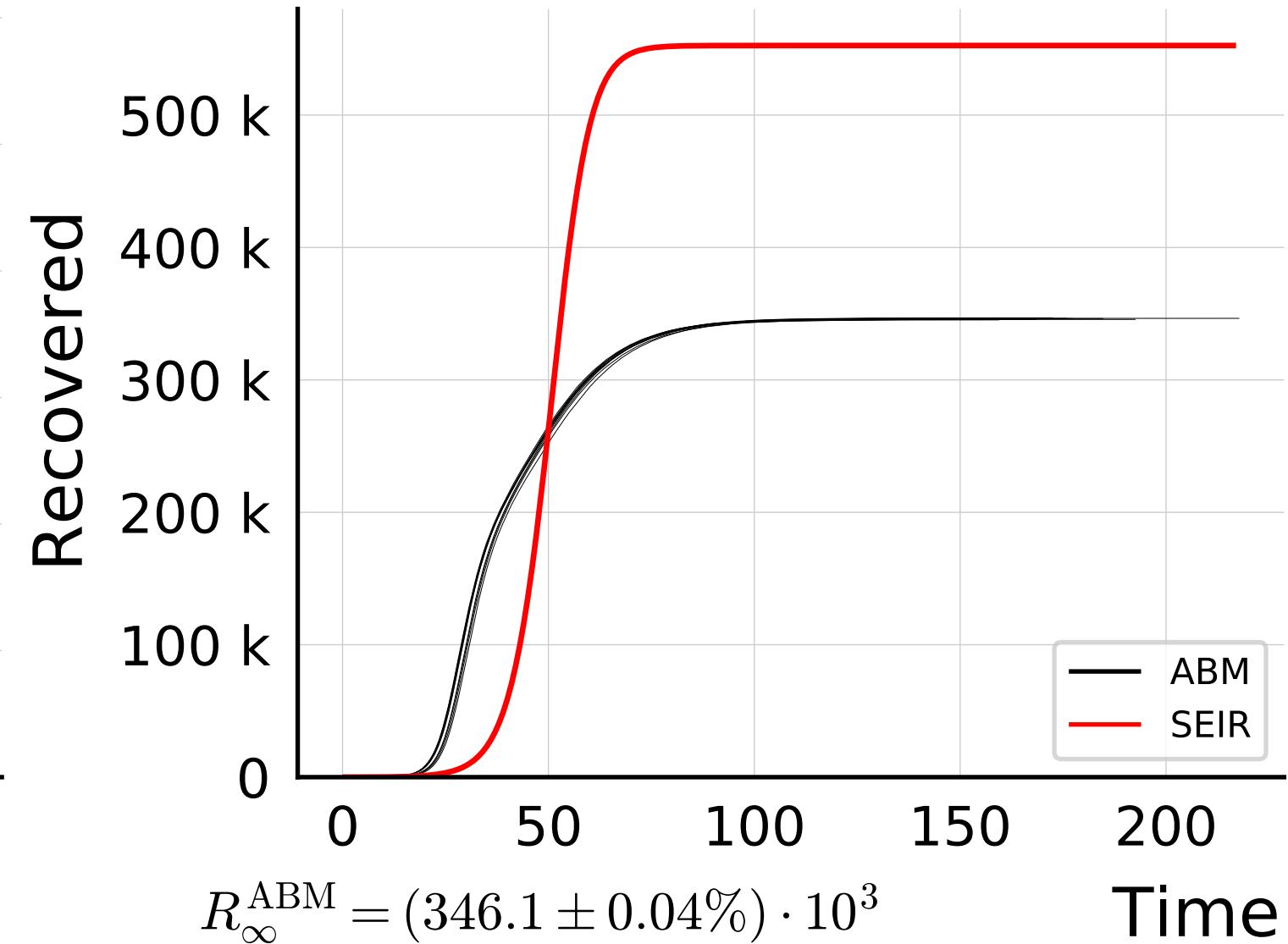
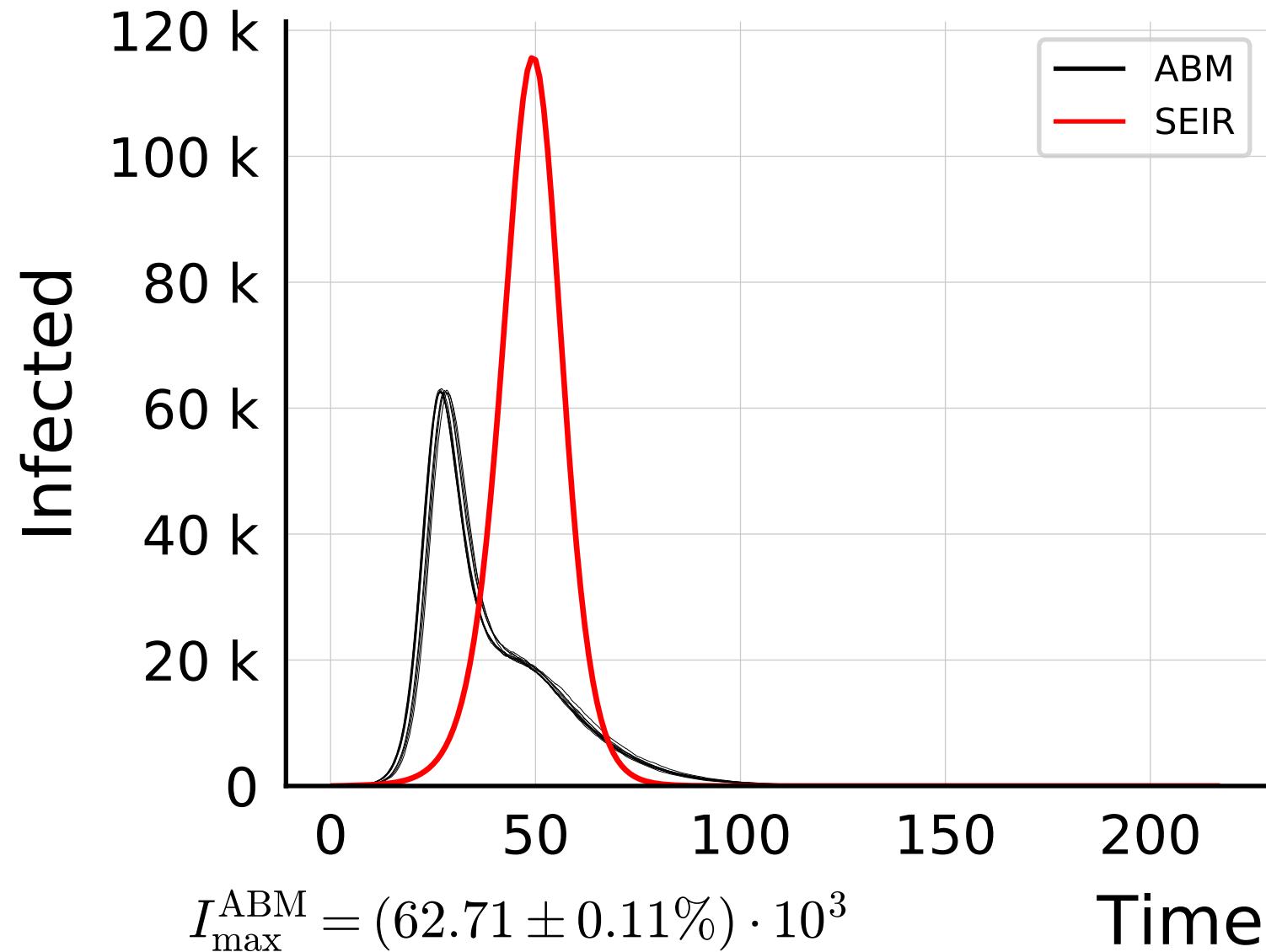
$N_{\text{tot}} = 580K$ ,  $N_{\text{init}} = 100$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.75$   
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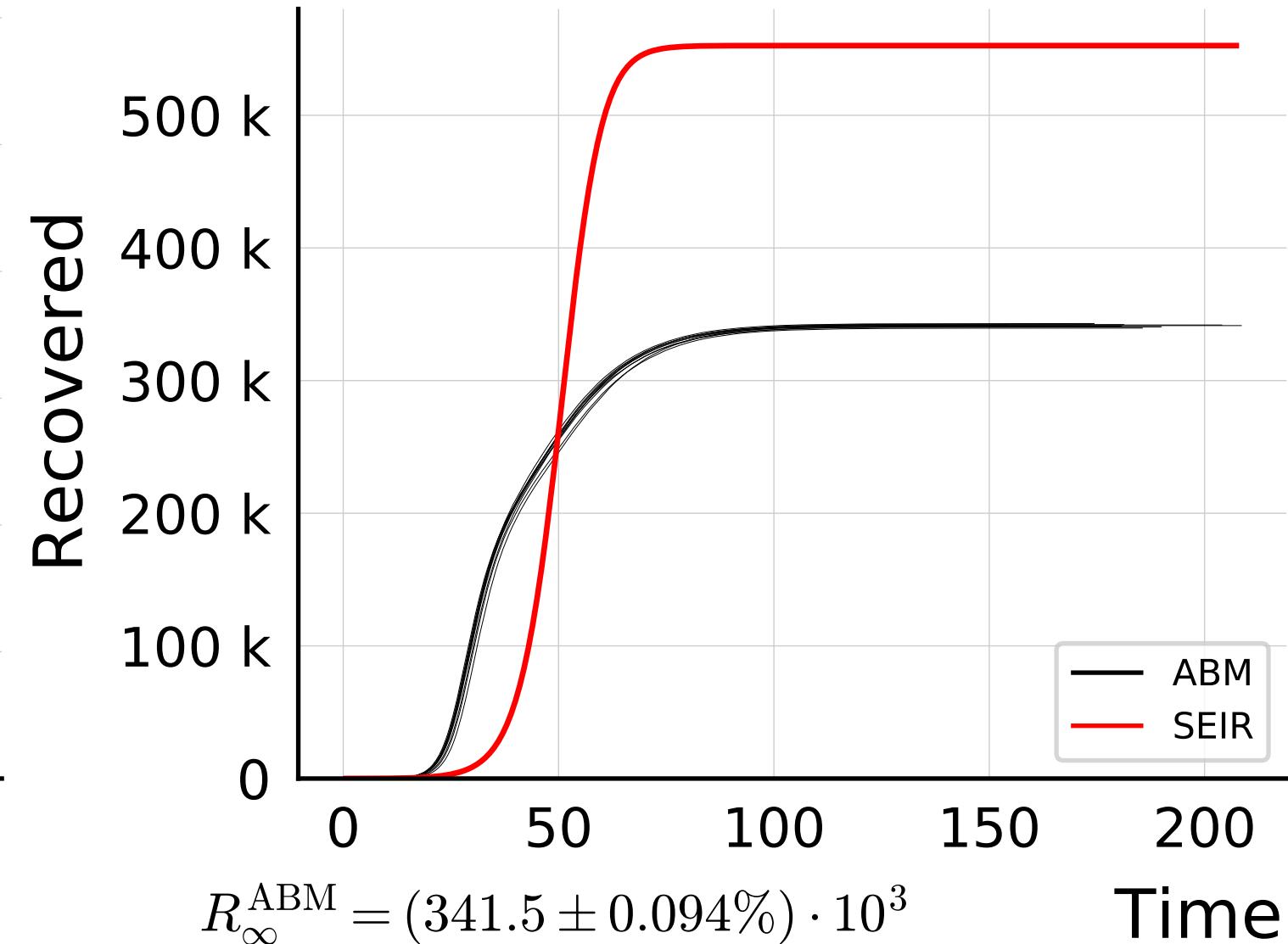
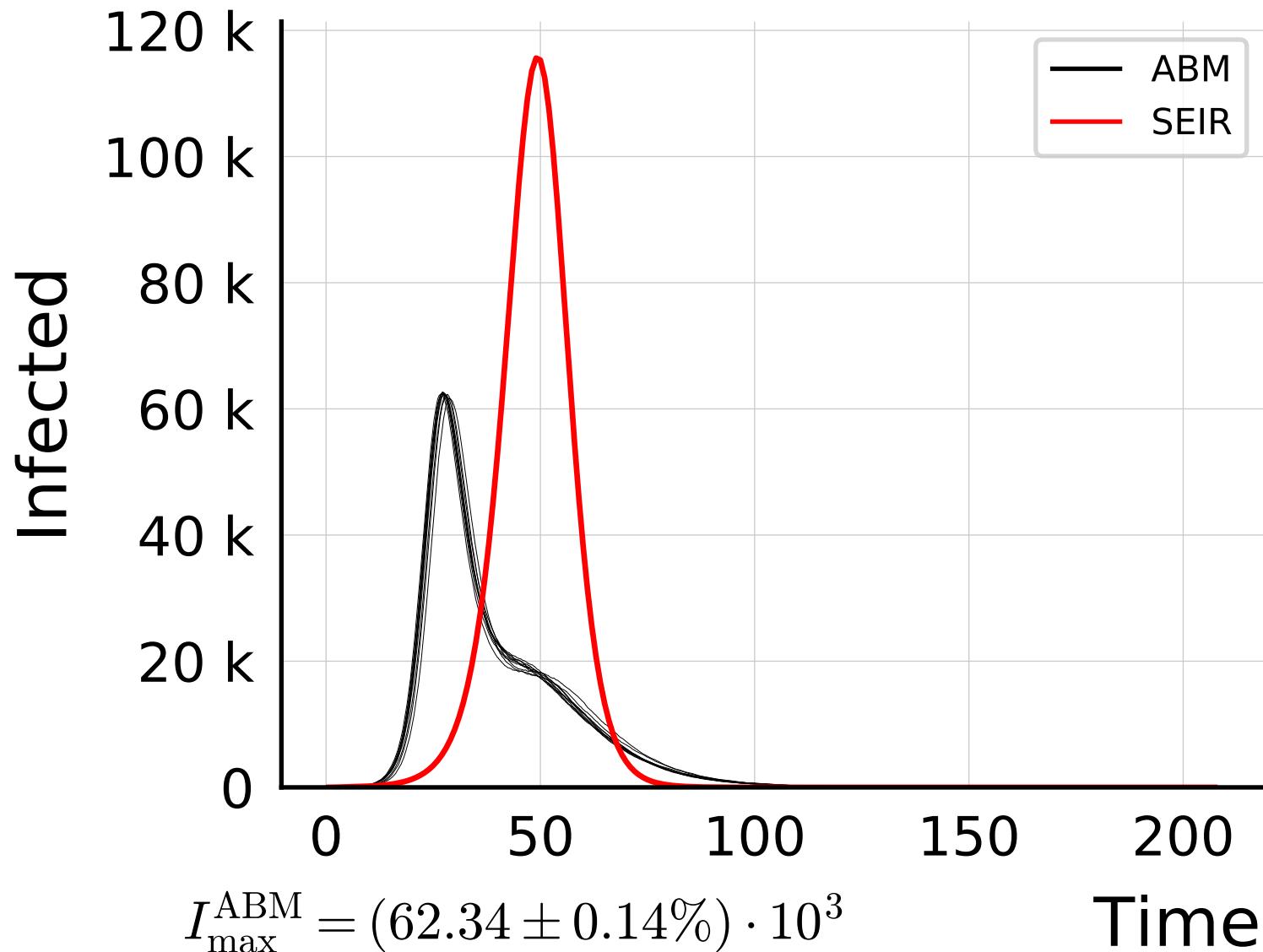
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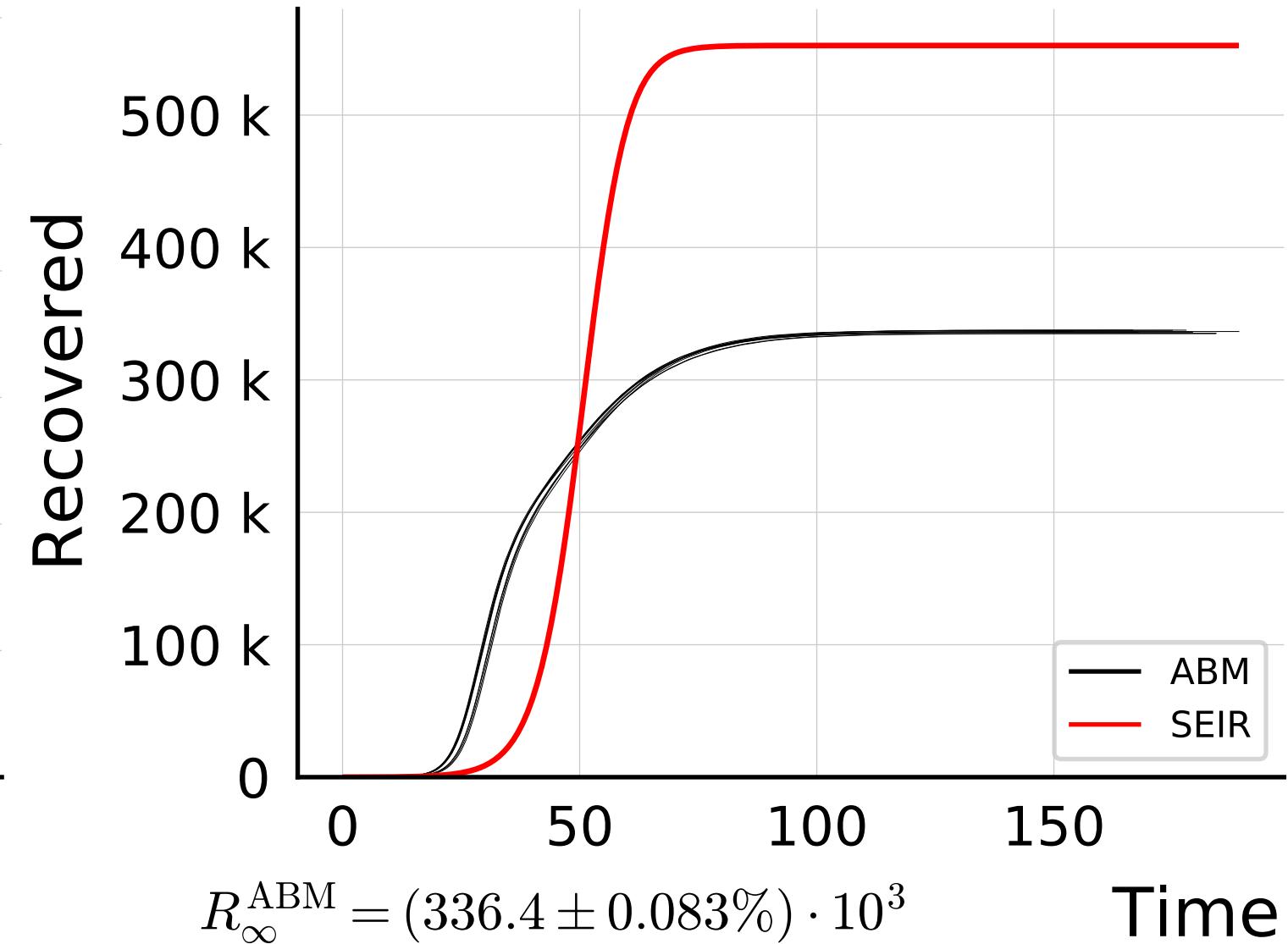
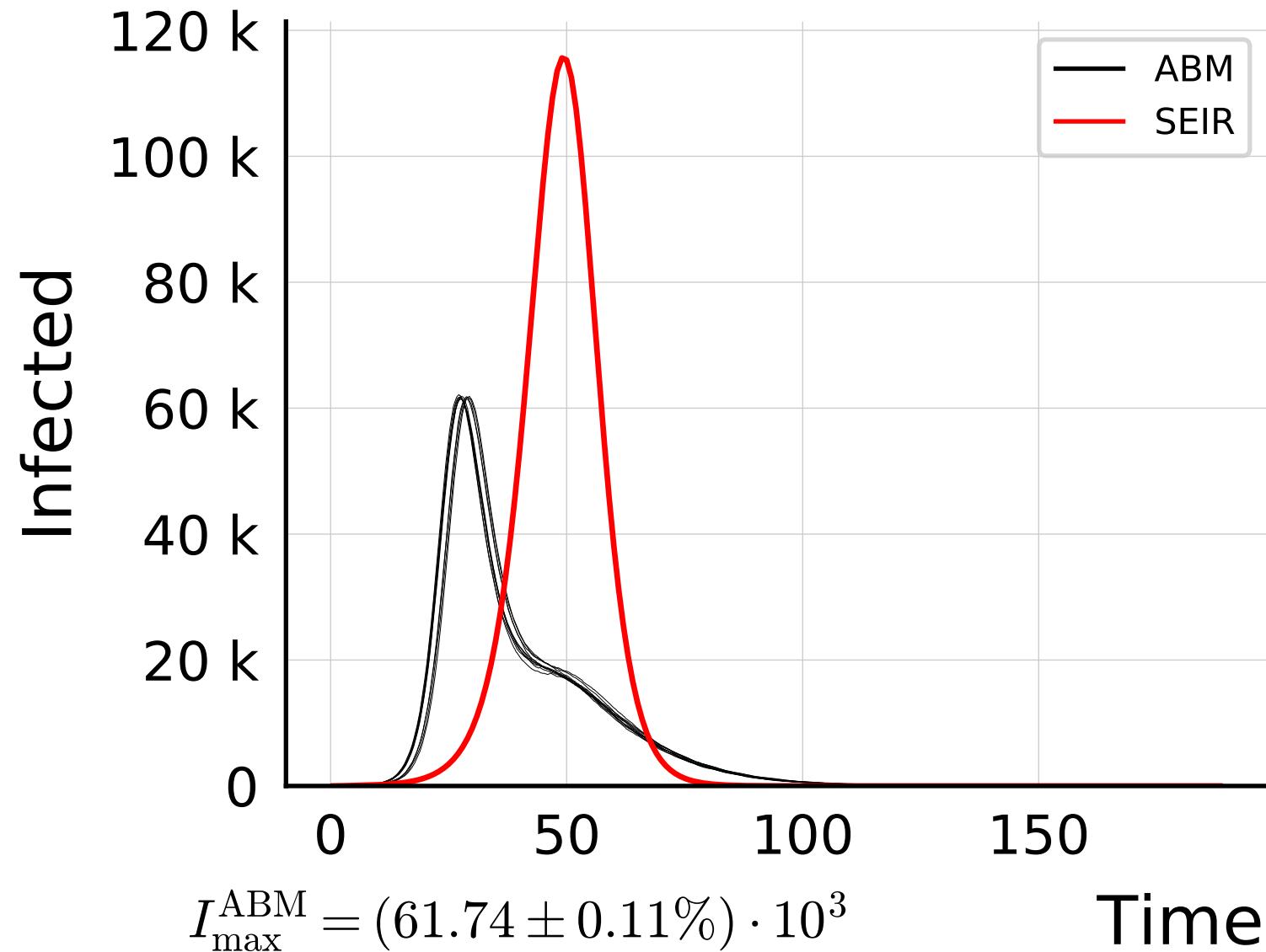
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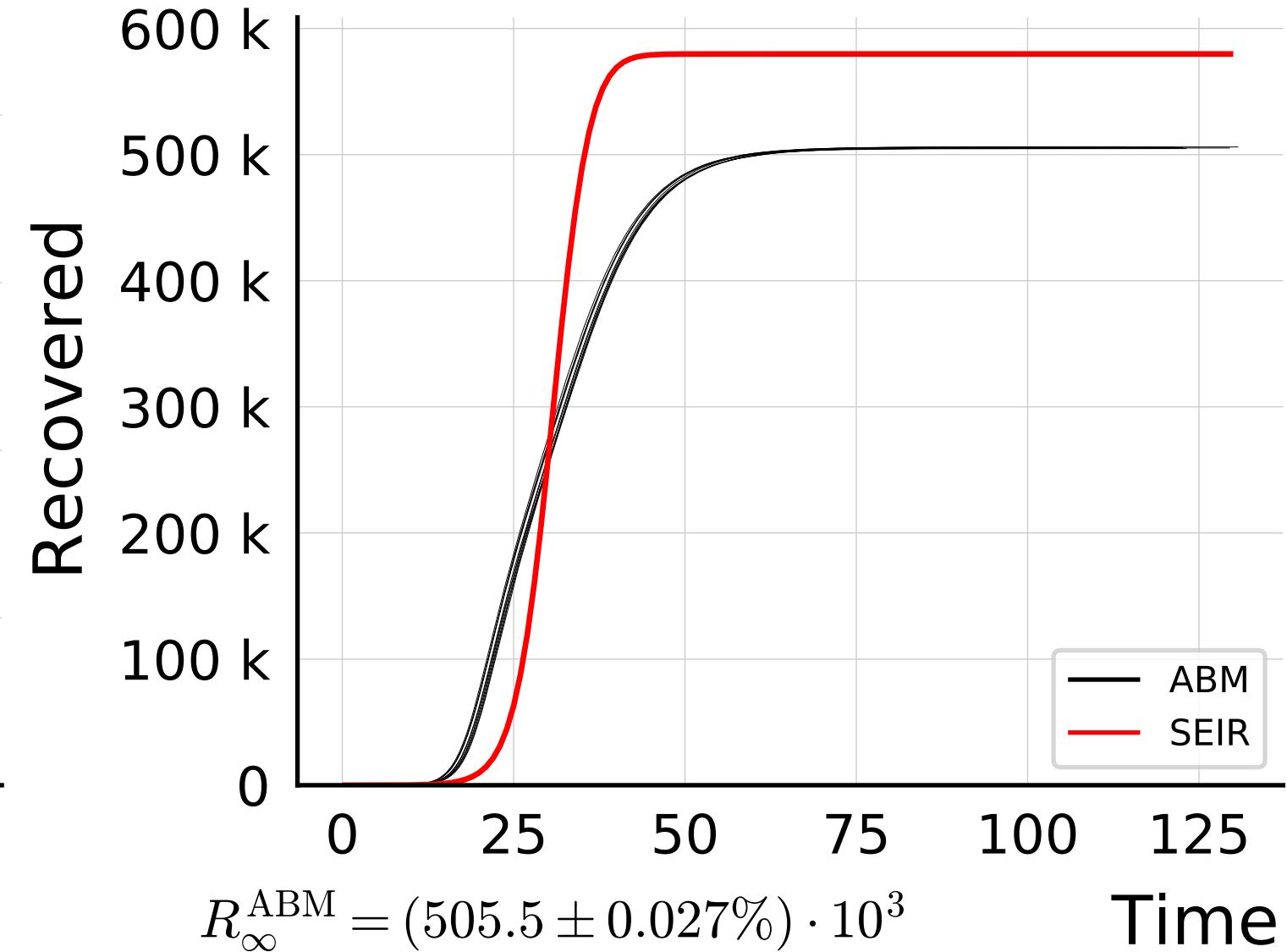
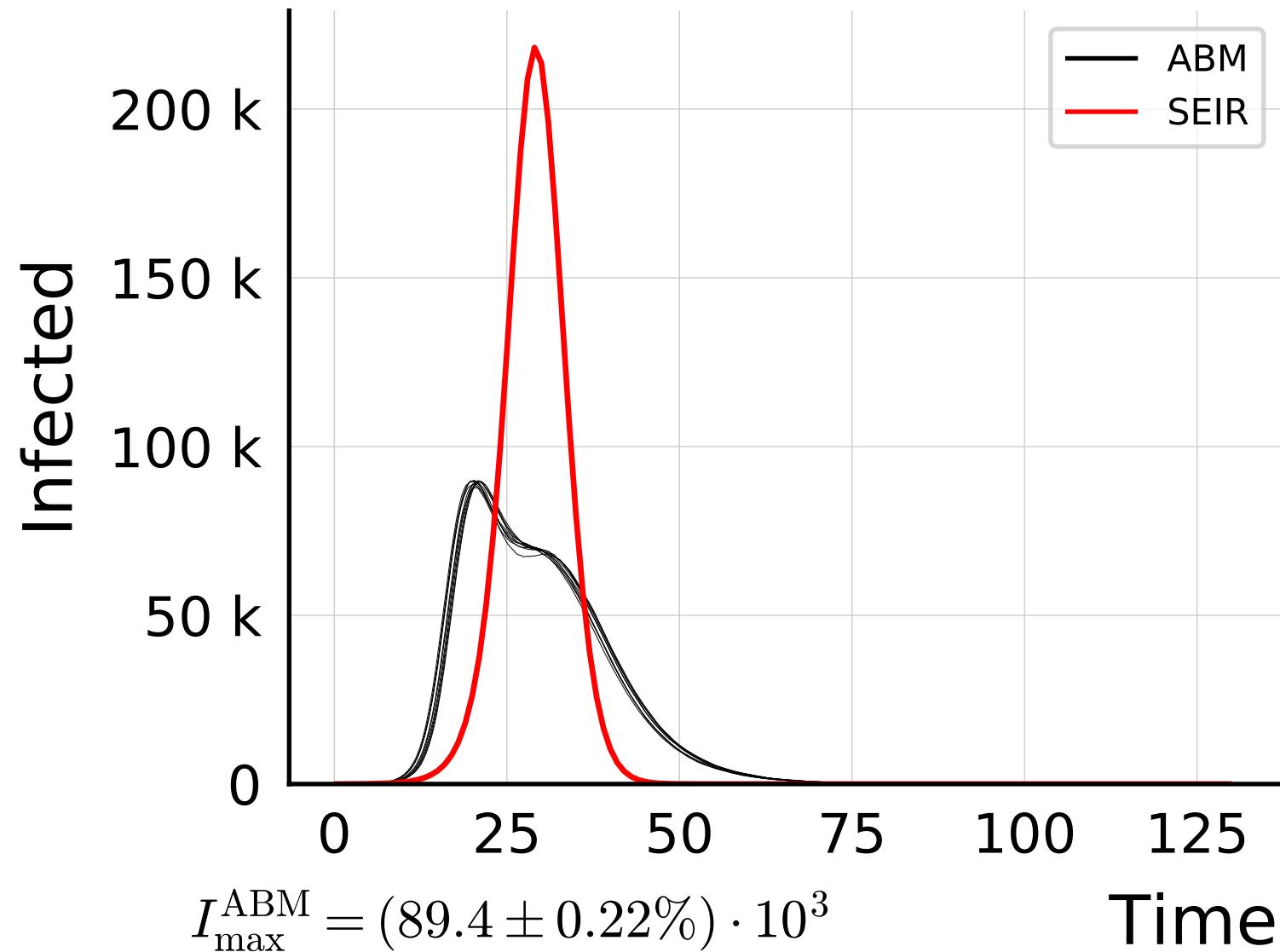
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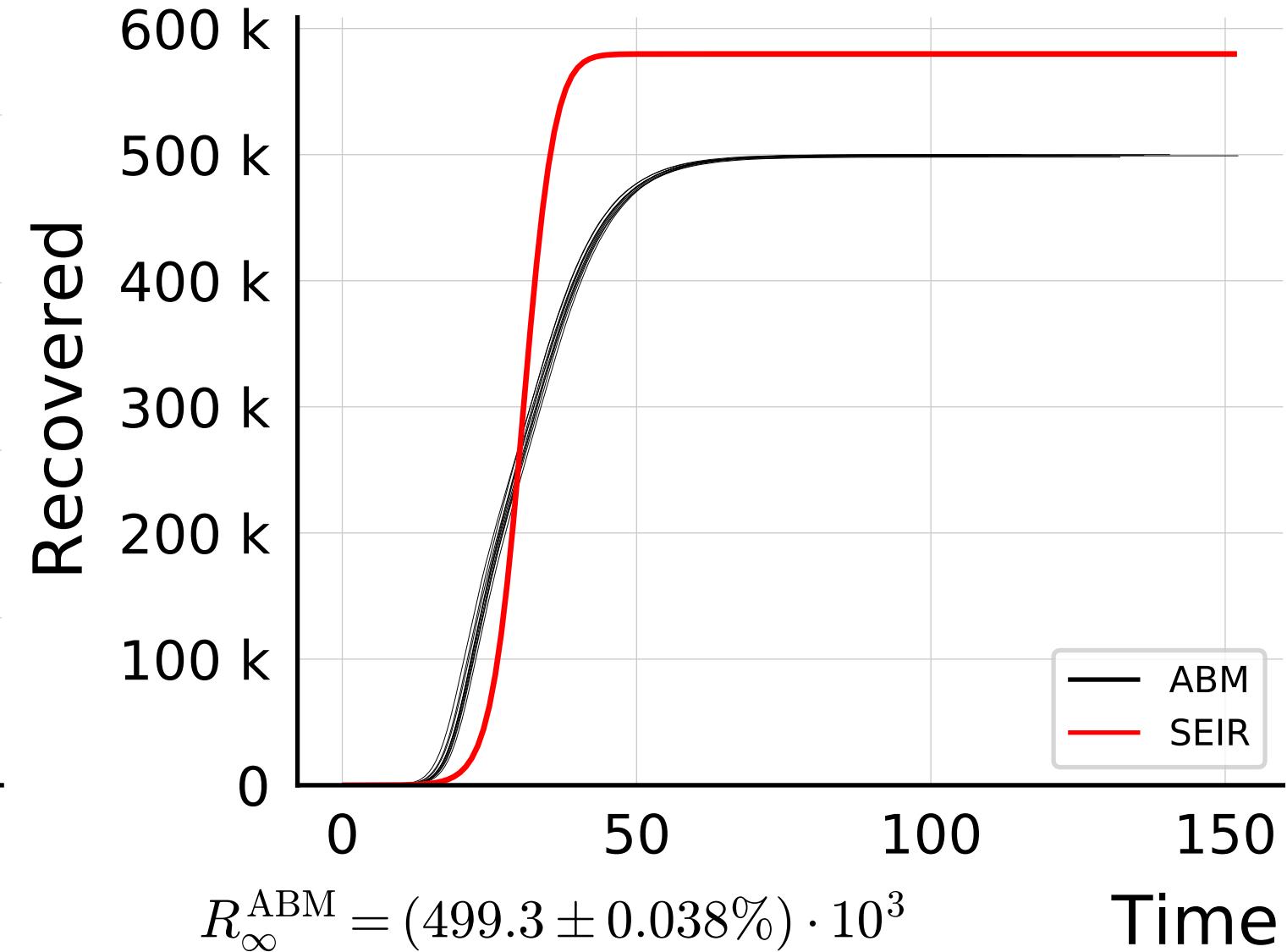
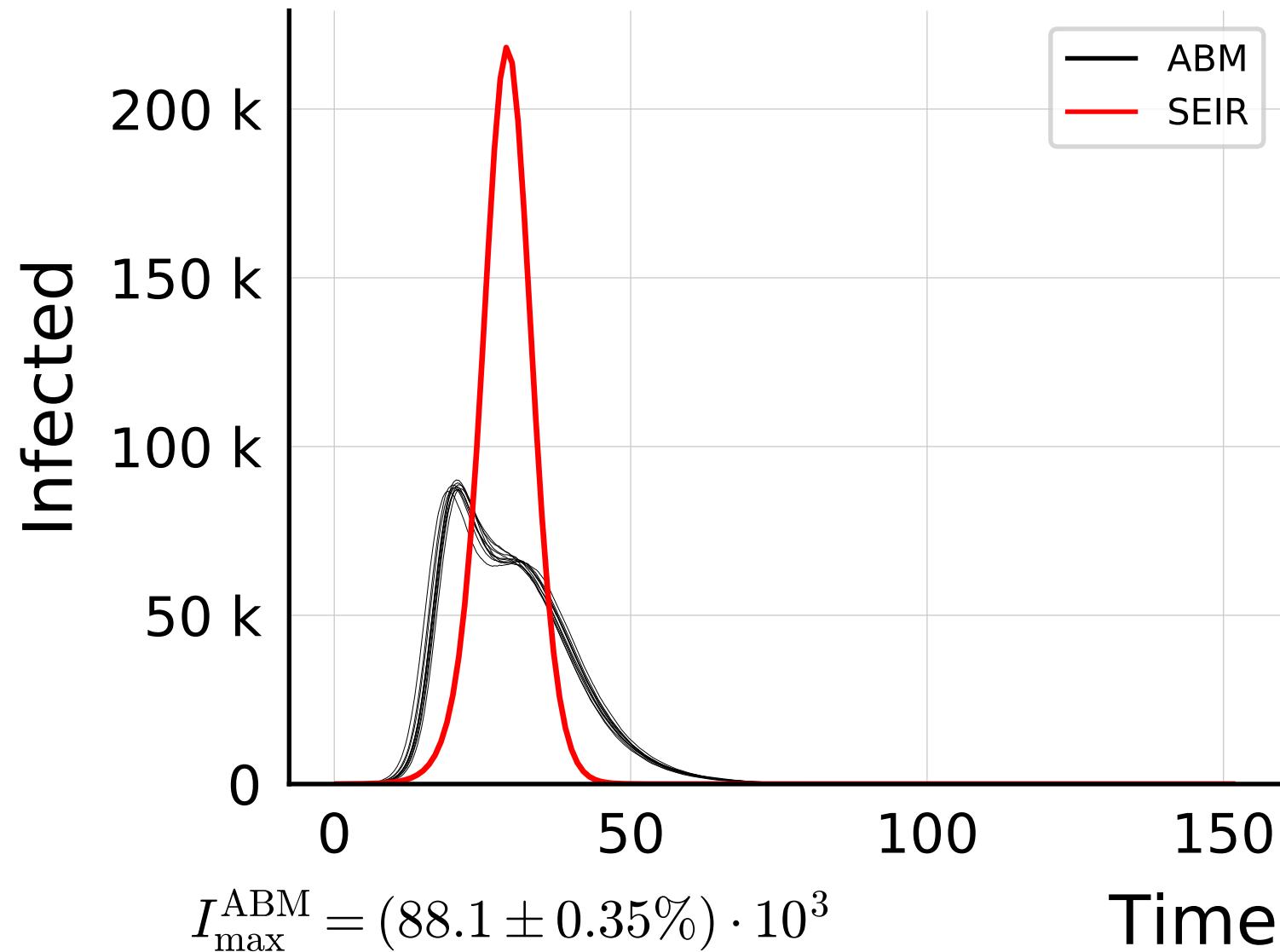
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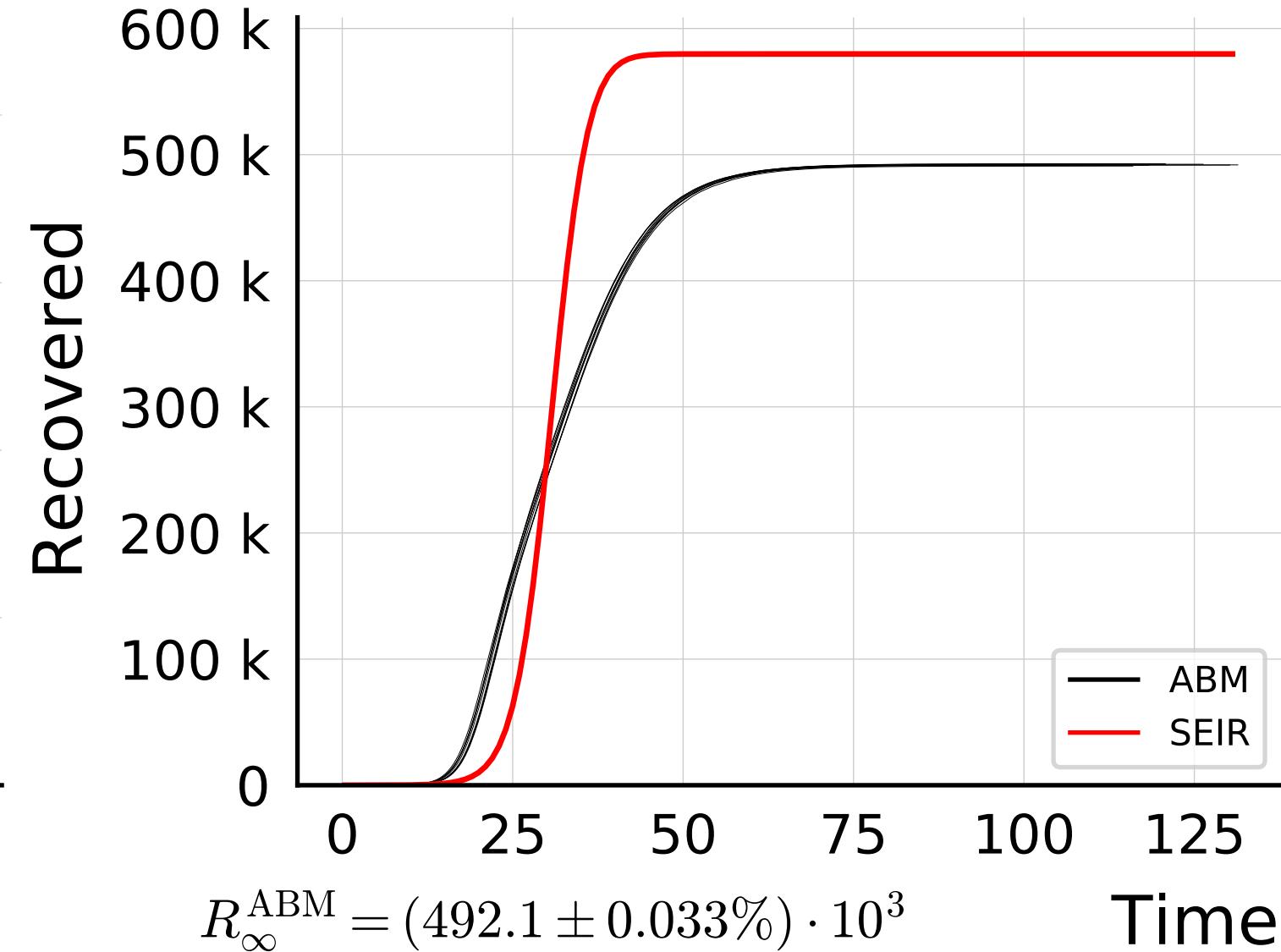
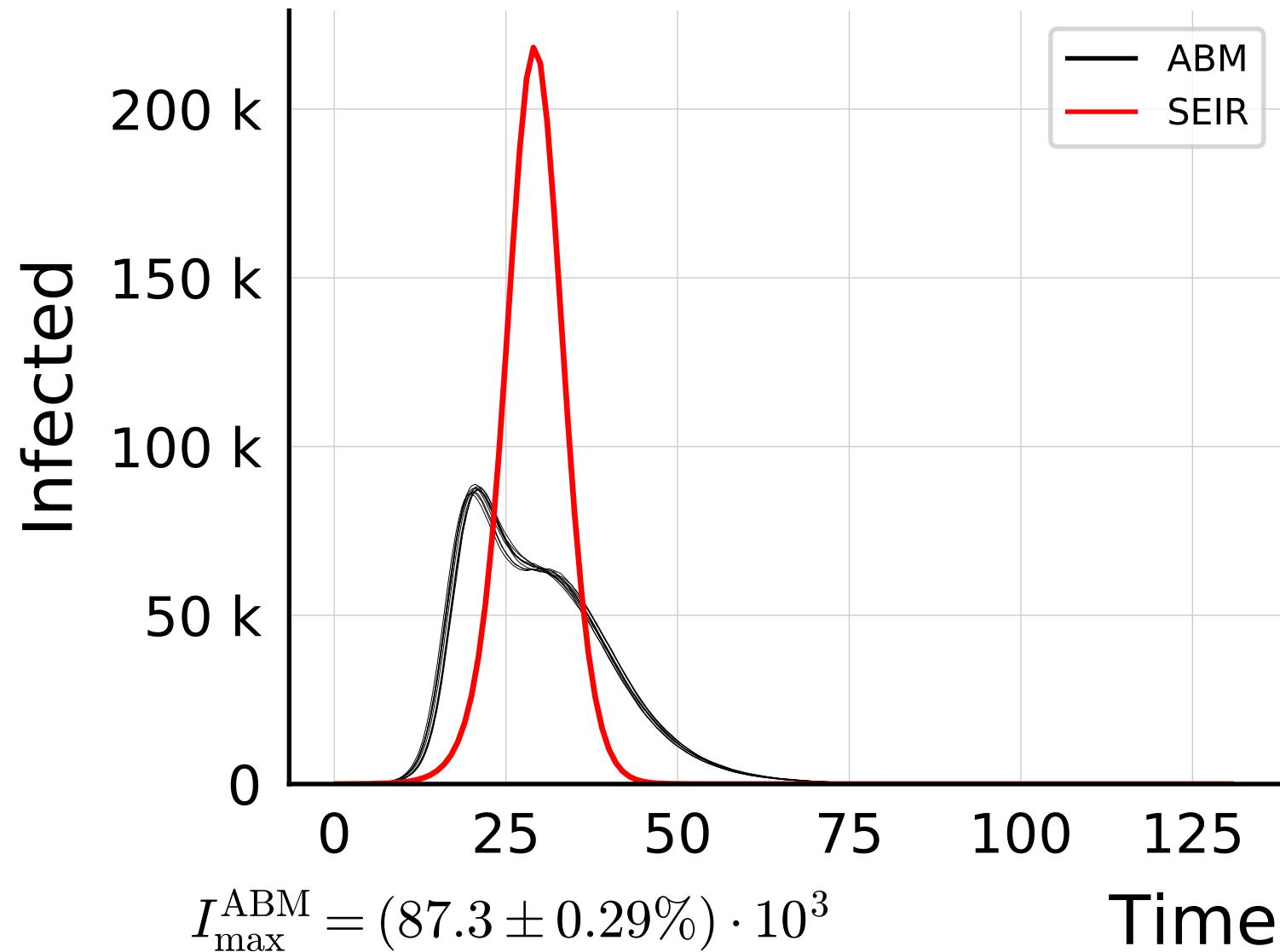
$N_{\text{tot}} = 580K$ ,  $N_{\text{init}} = 100$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.05$ ,  $\sigma_\beta = 0.0$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , algo = 2, #10



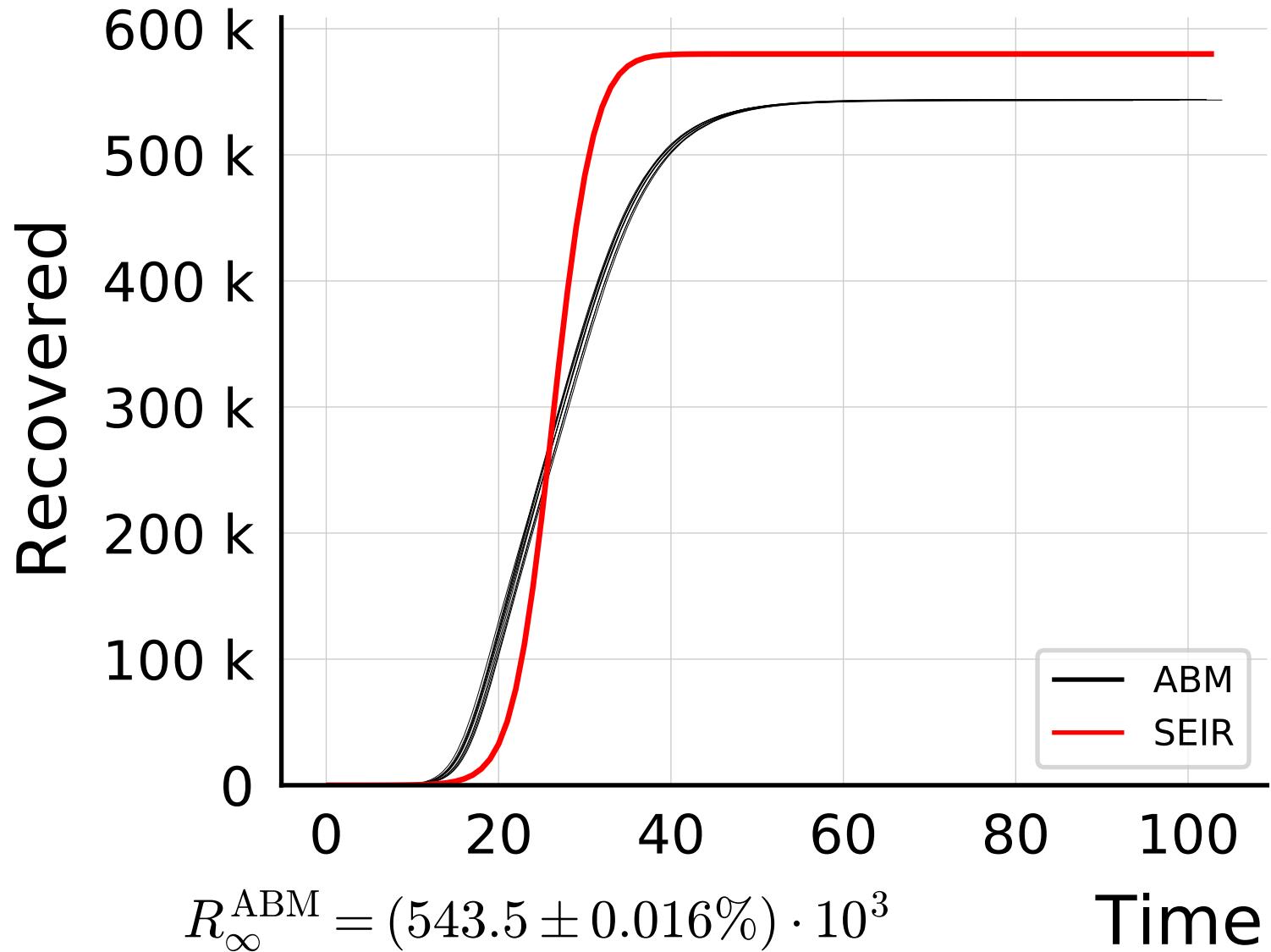
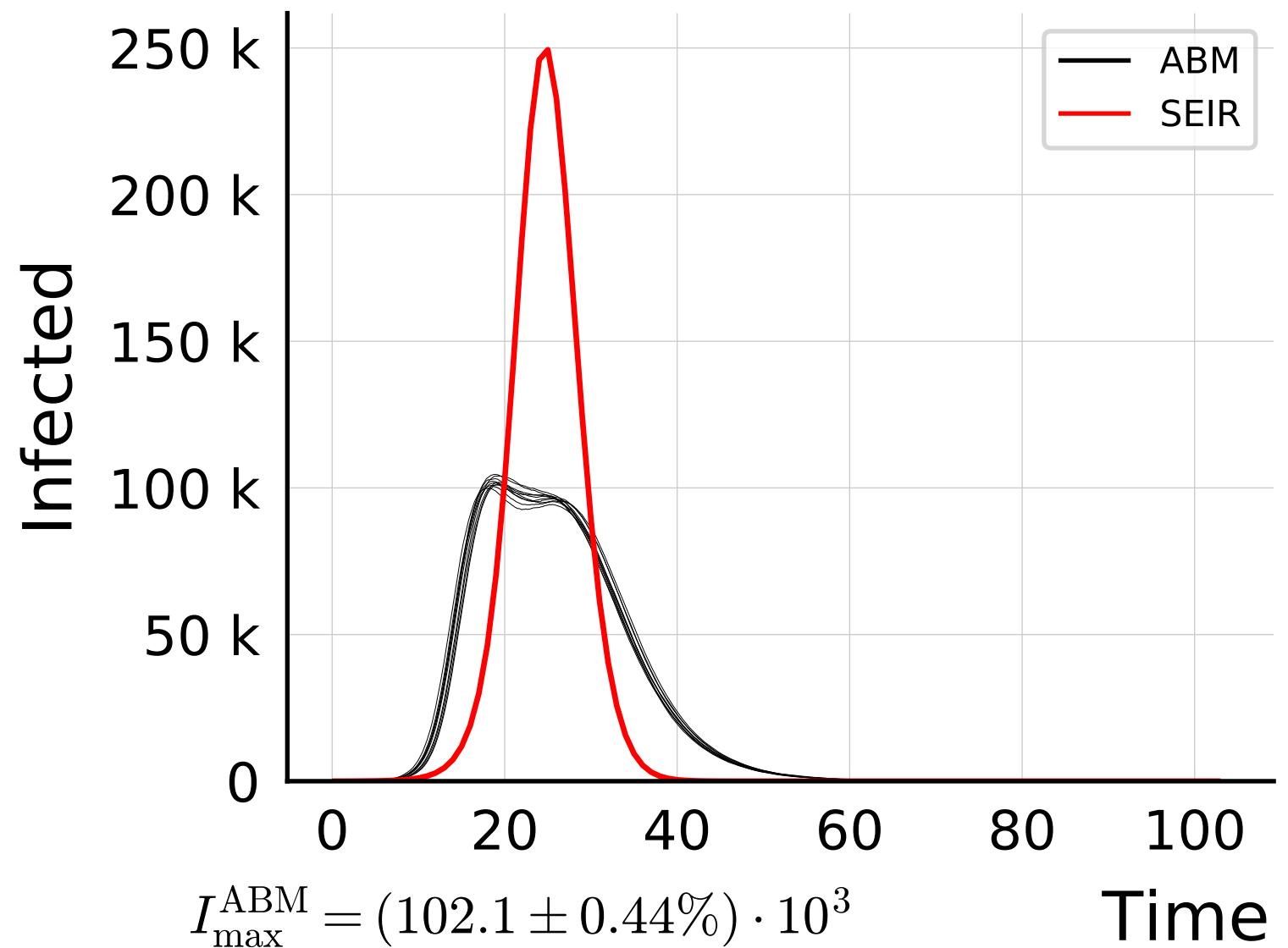
$N_{\text{tot}} = 580K$ ,  $N_{\text{init}} = 100$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.05$ ,  $\sigma_\beta = 0.5$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , algo = 2, #10



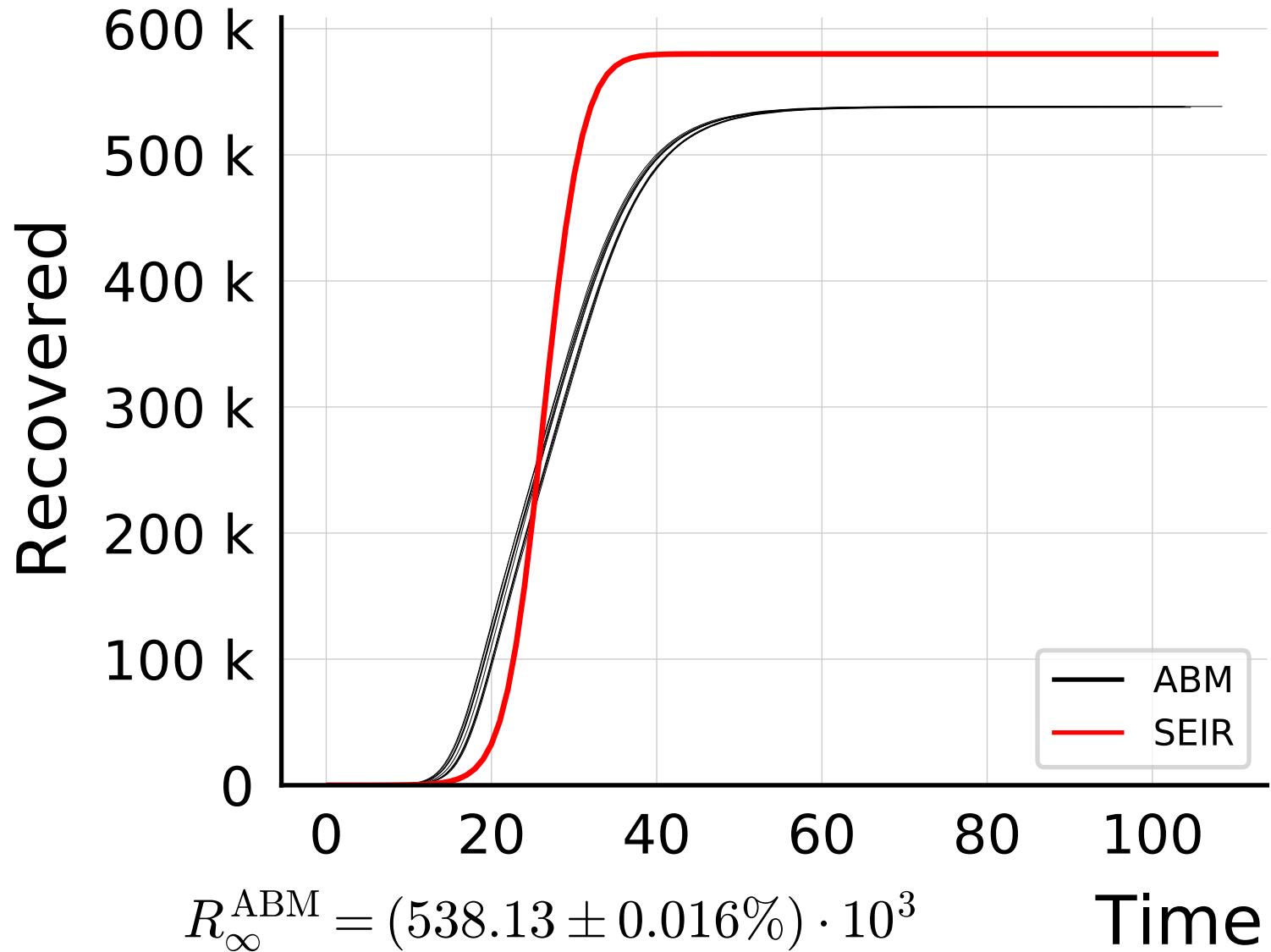
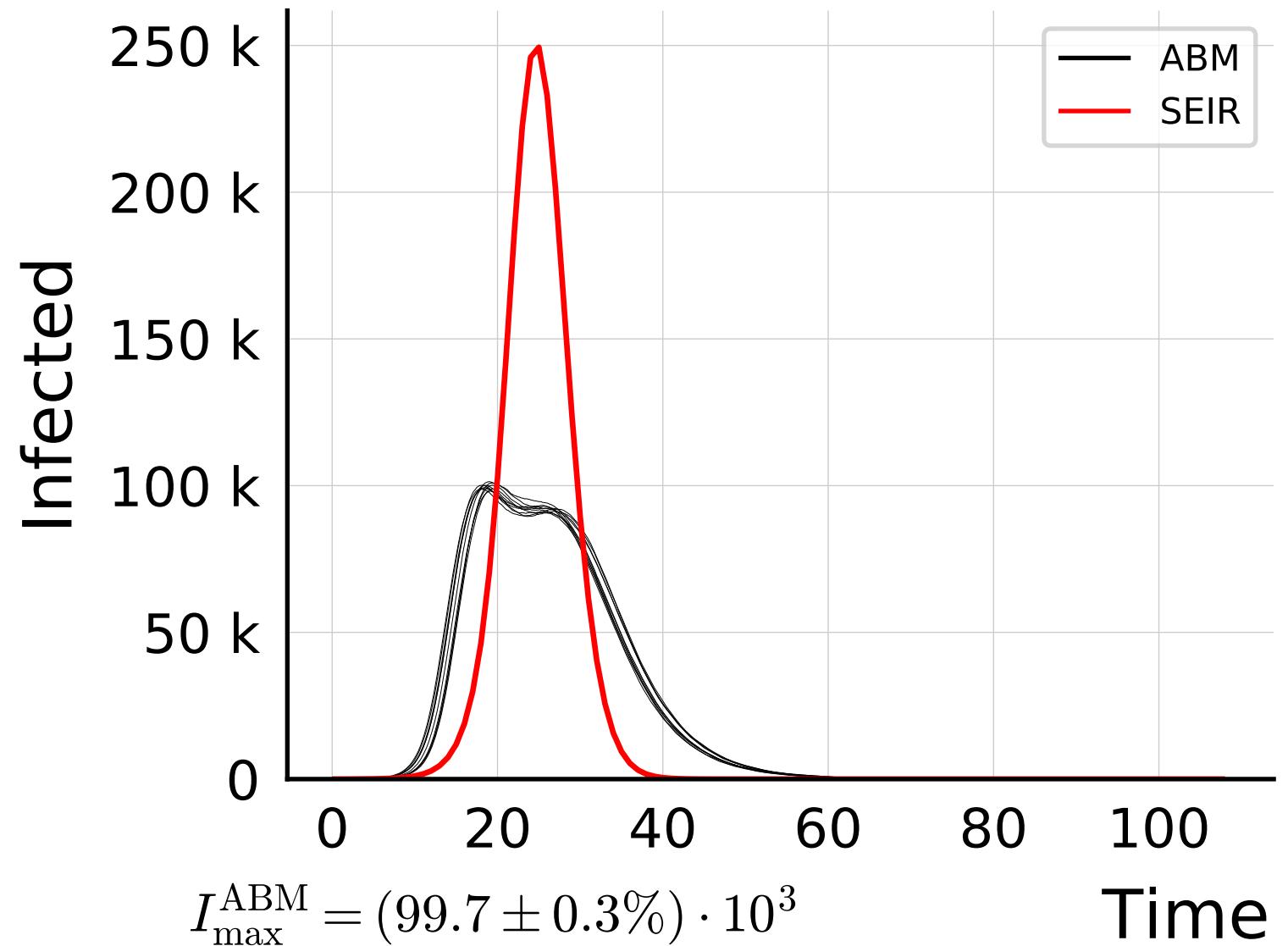
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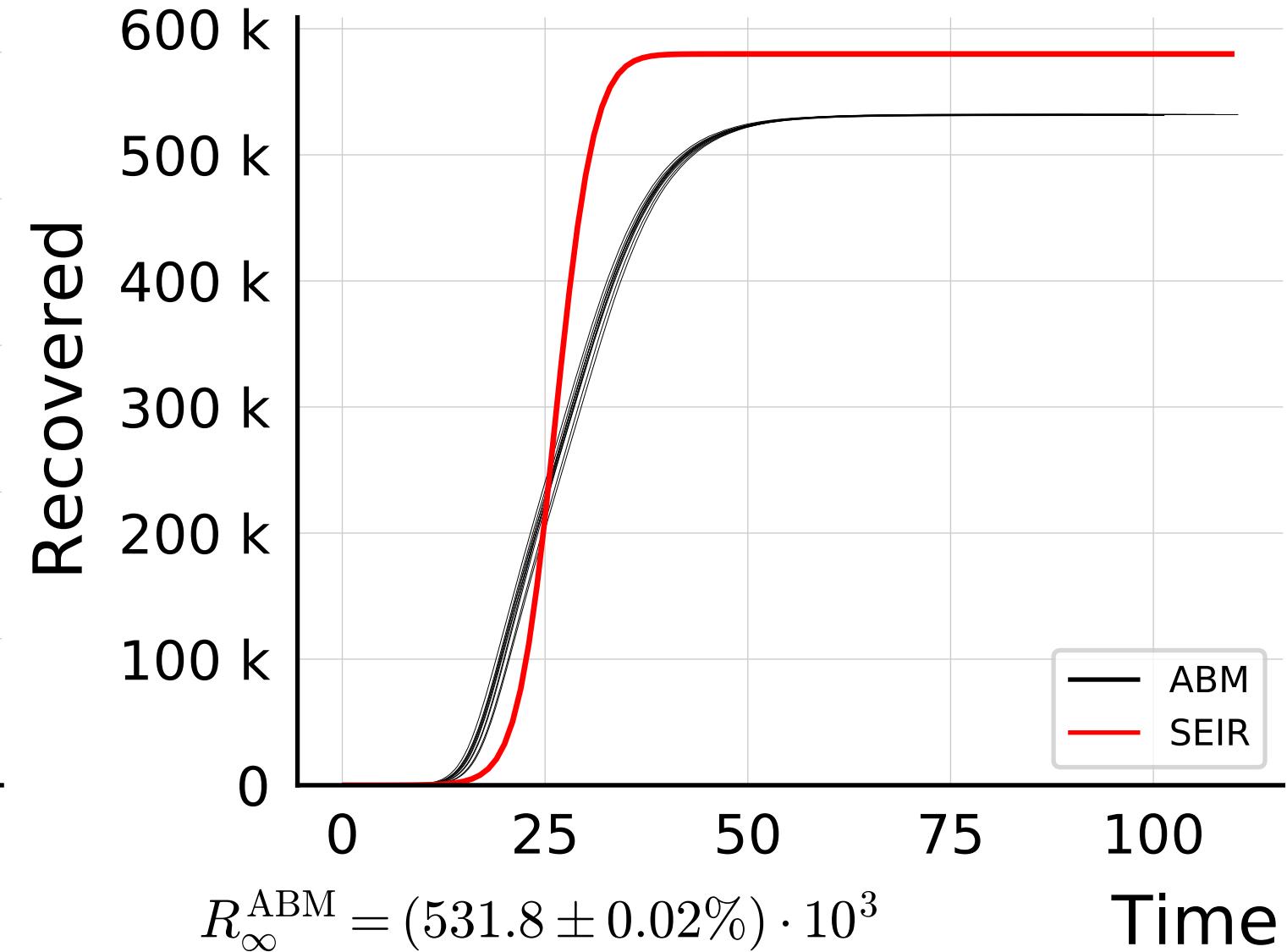
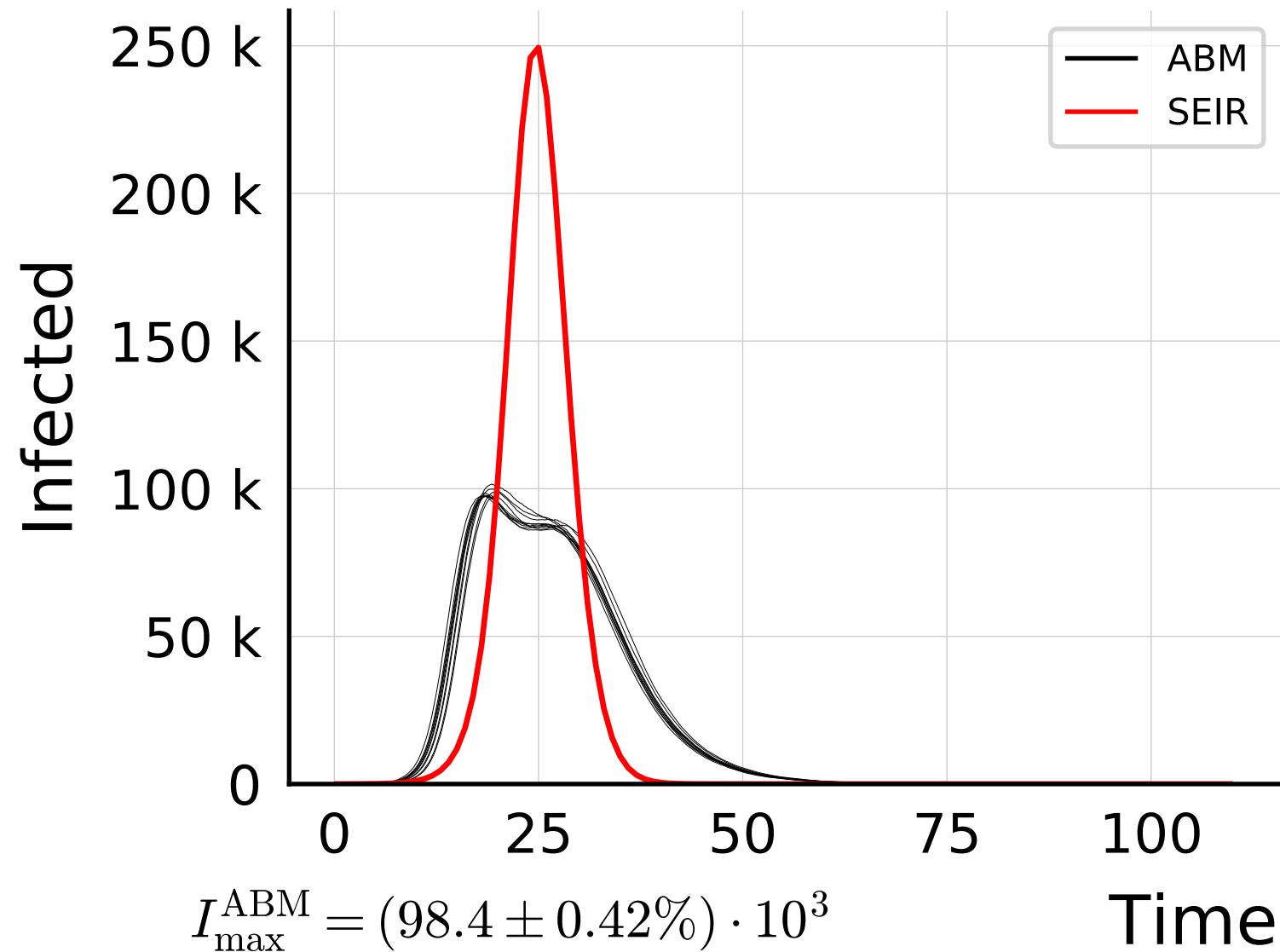
$N_{\text{tot}} = 580K$ ,  $N_{\text{init}} = 100$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.075$ ,  $\sigma_\beta = 0.0$   
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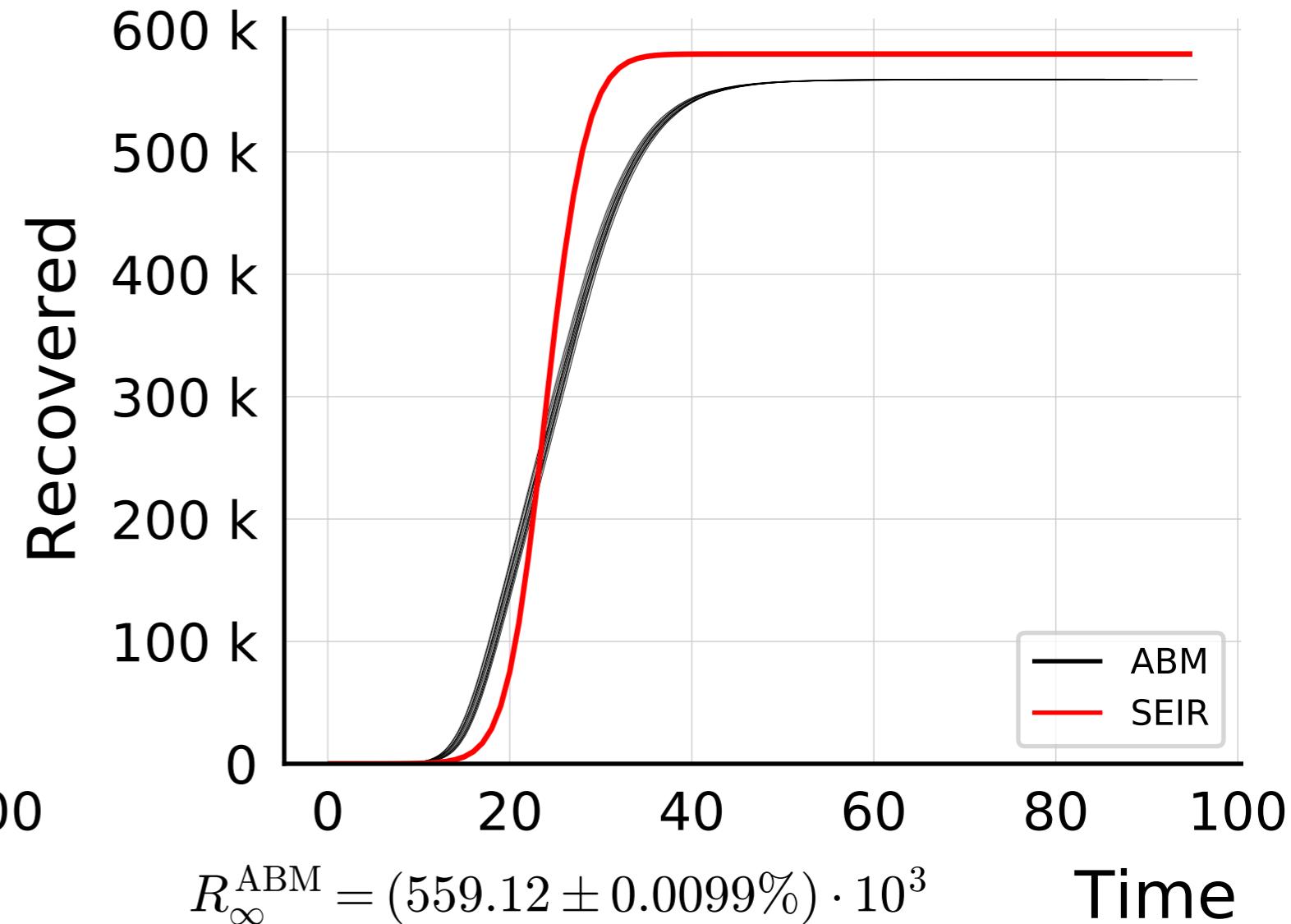
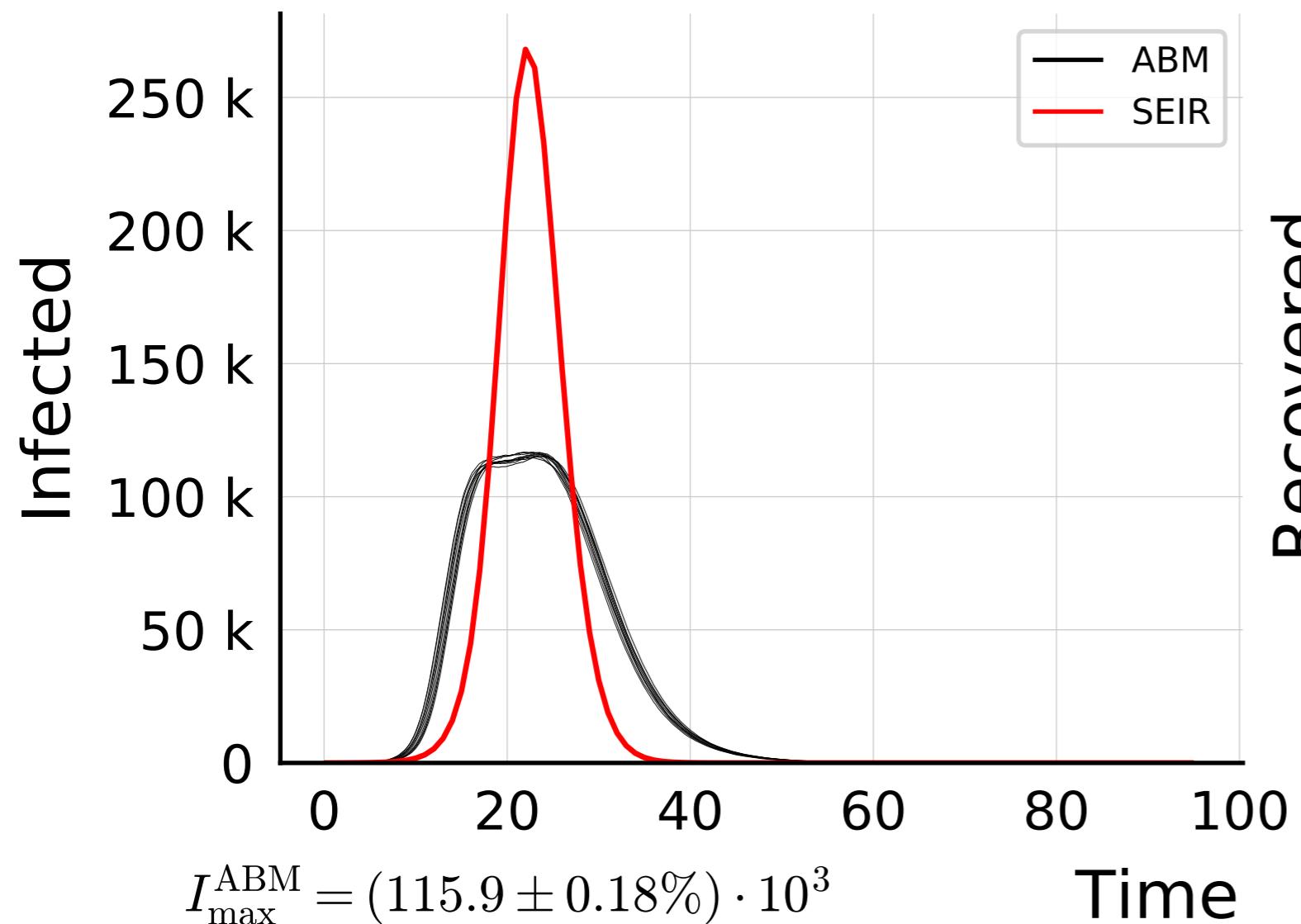
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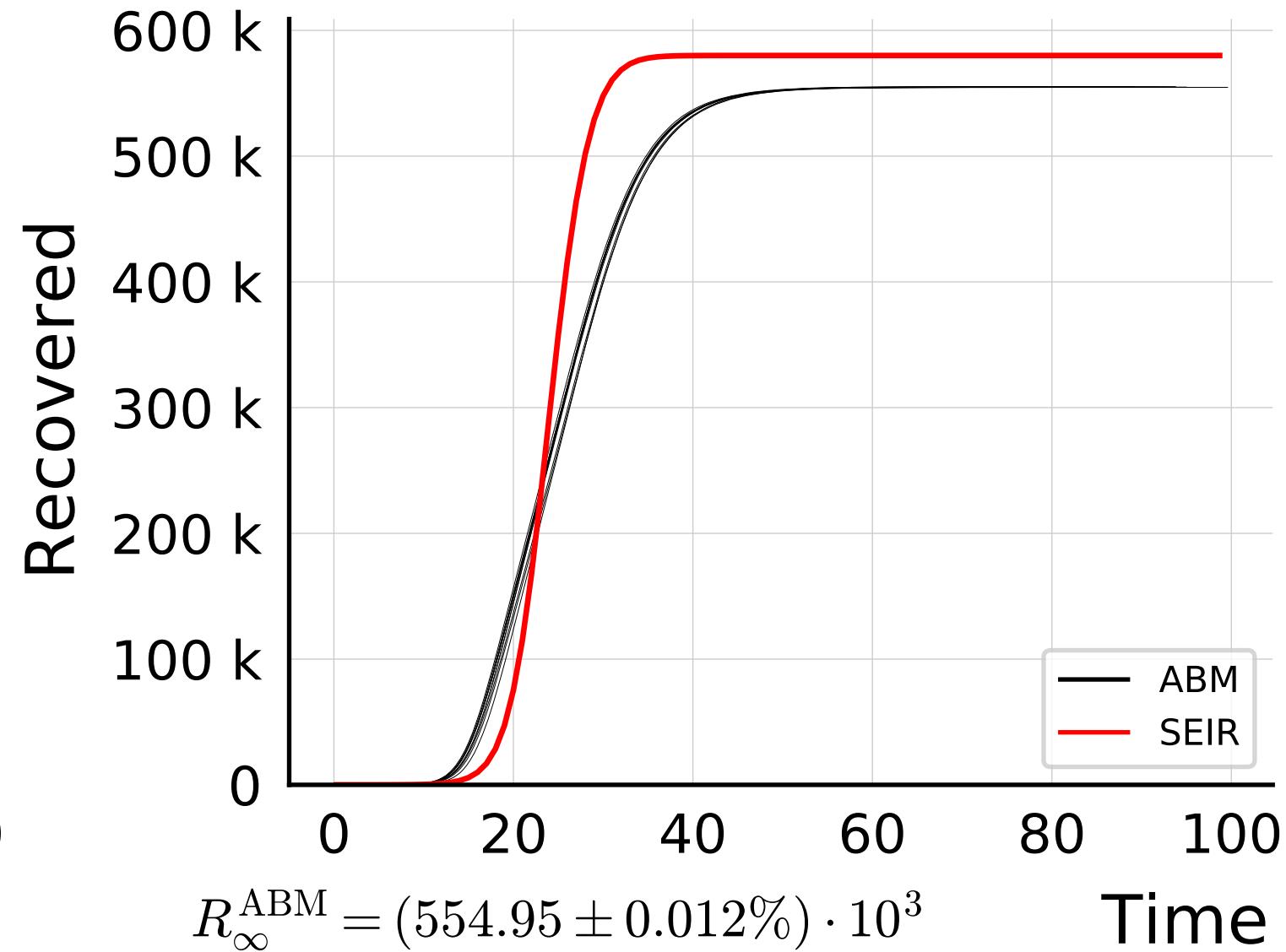
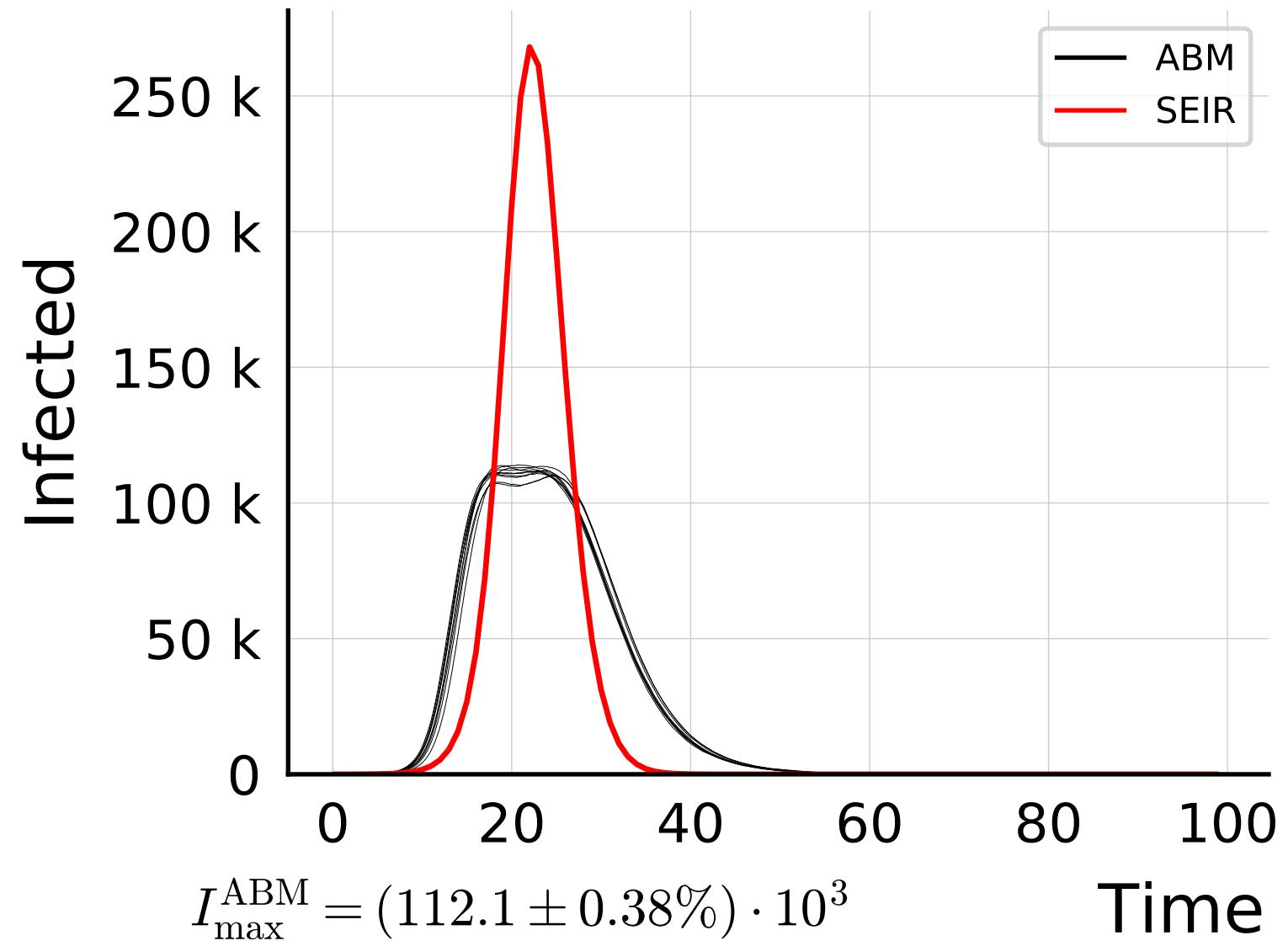
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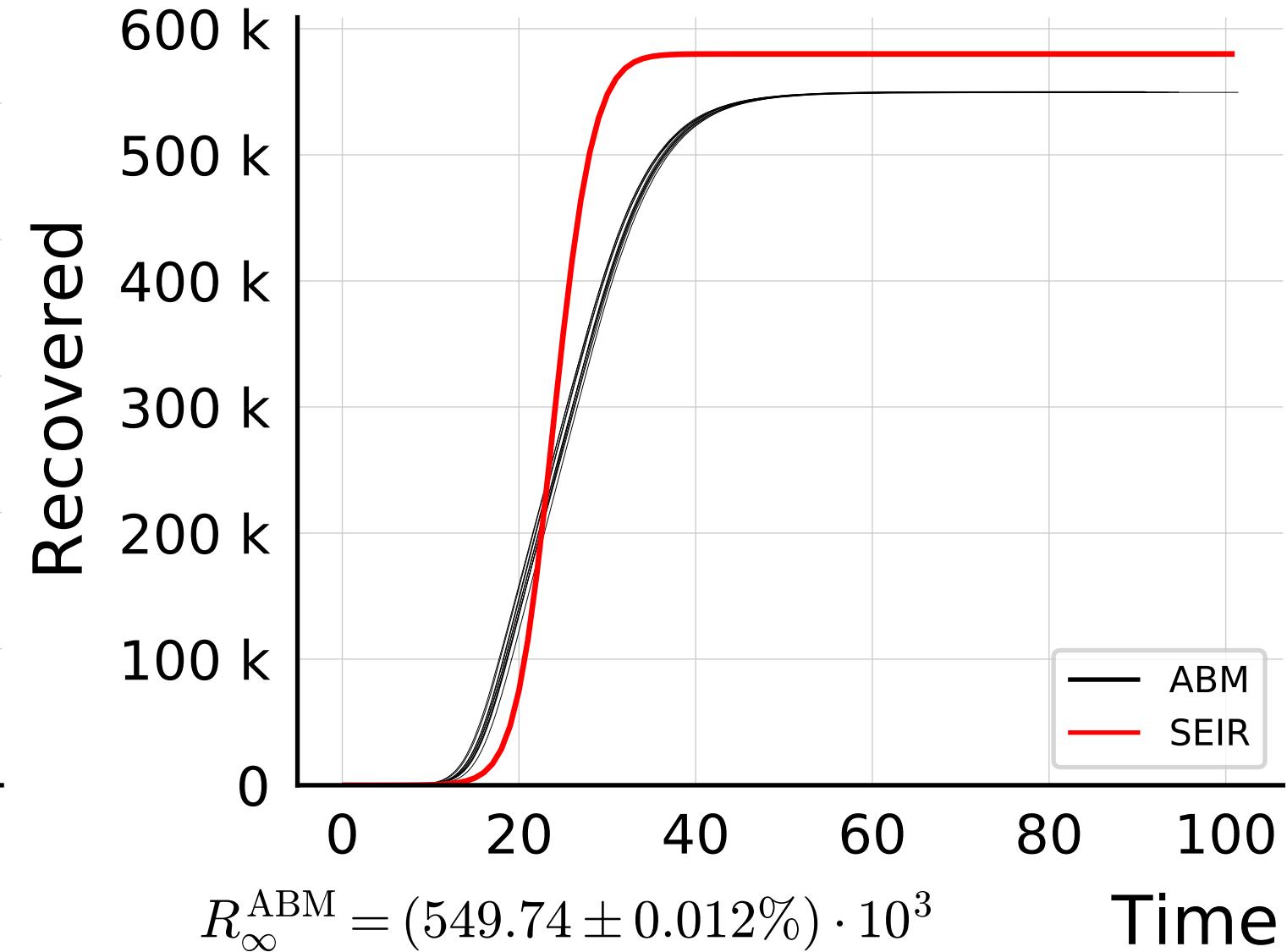
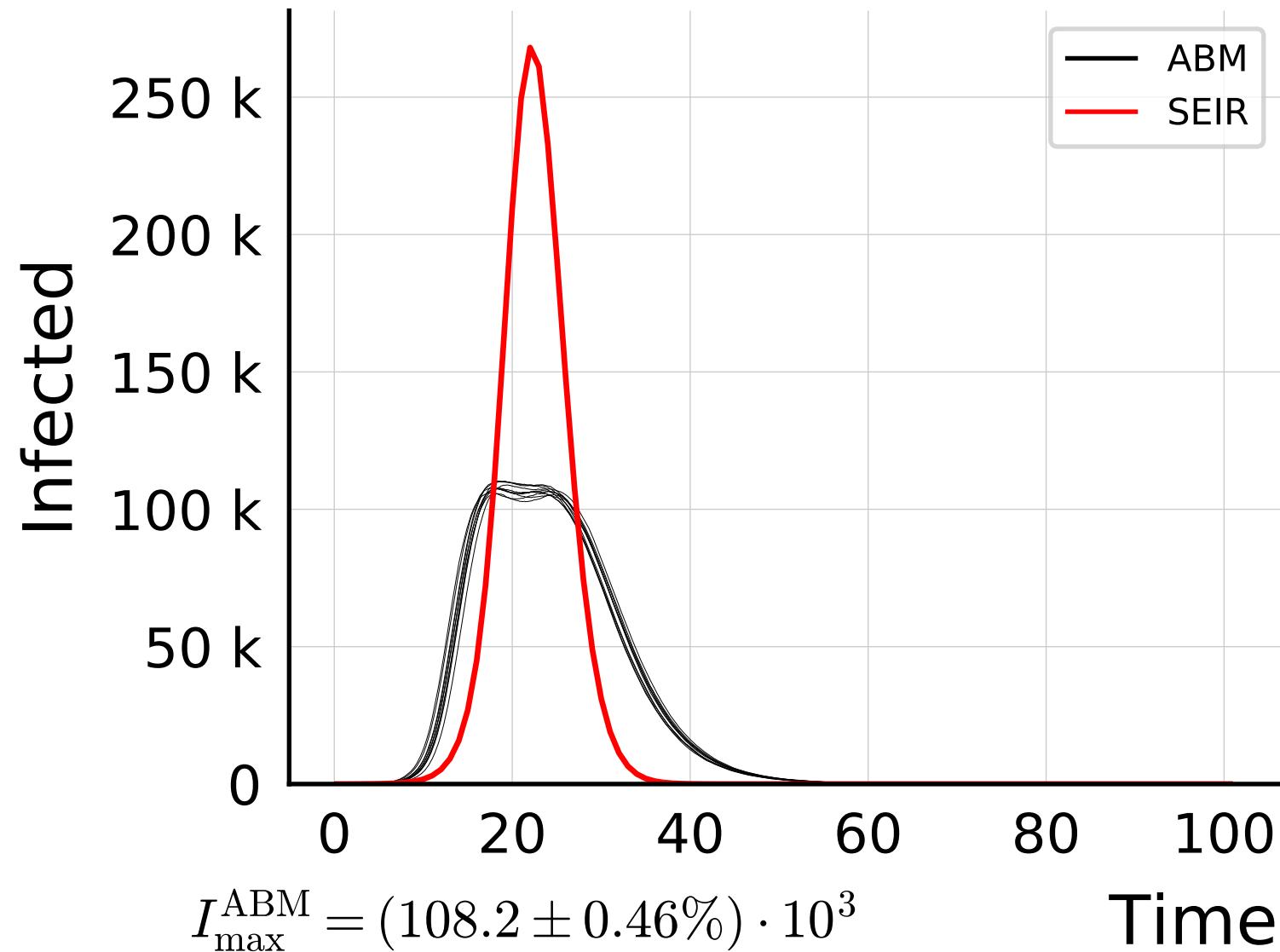
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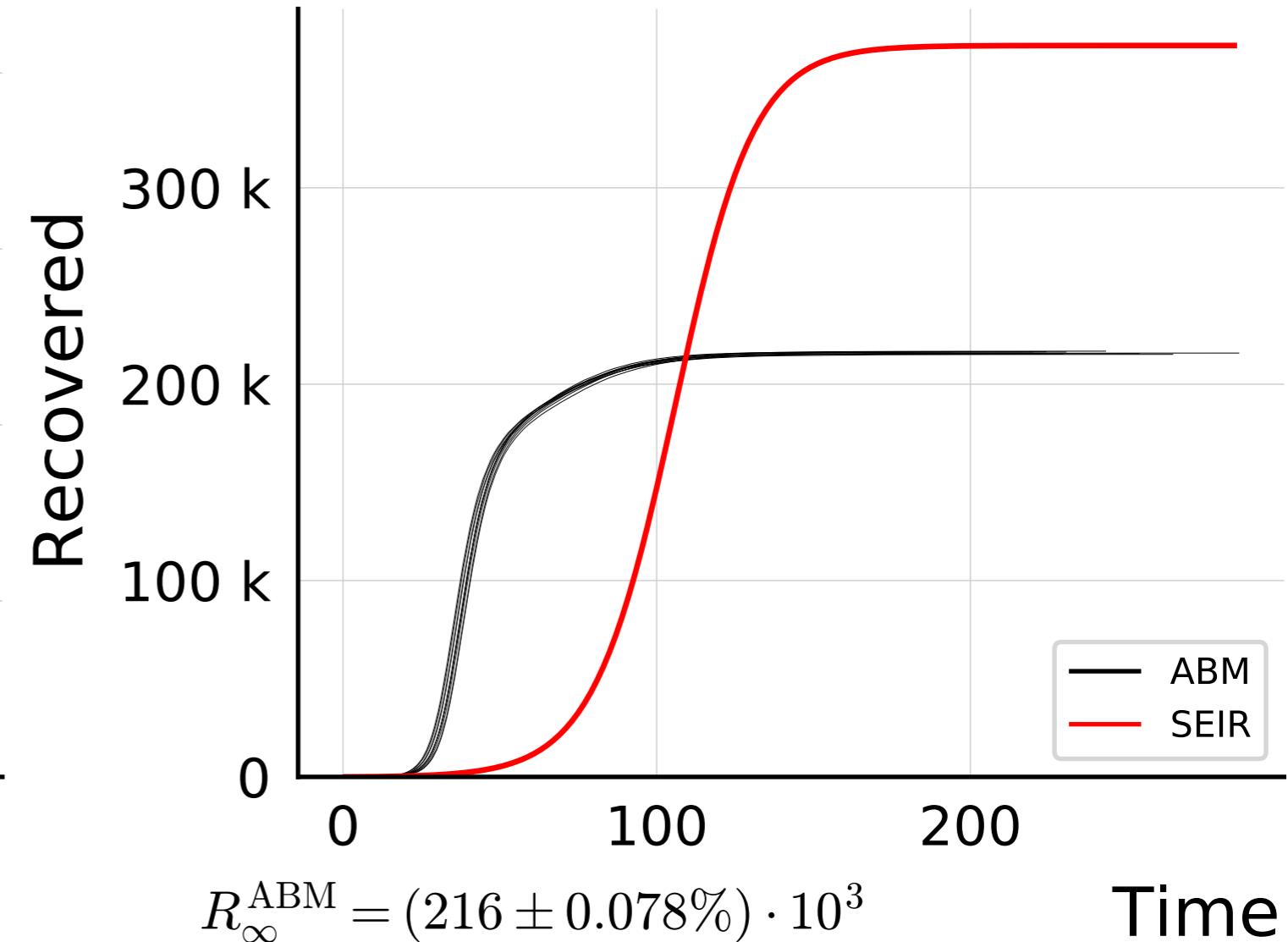
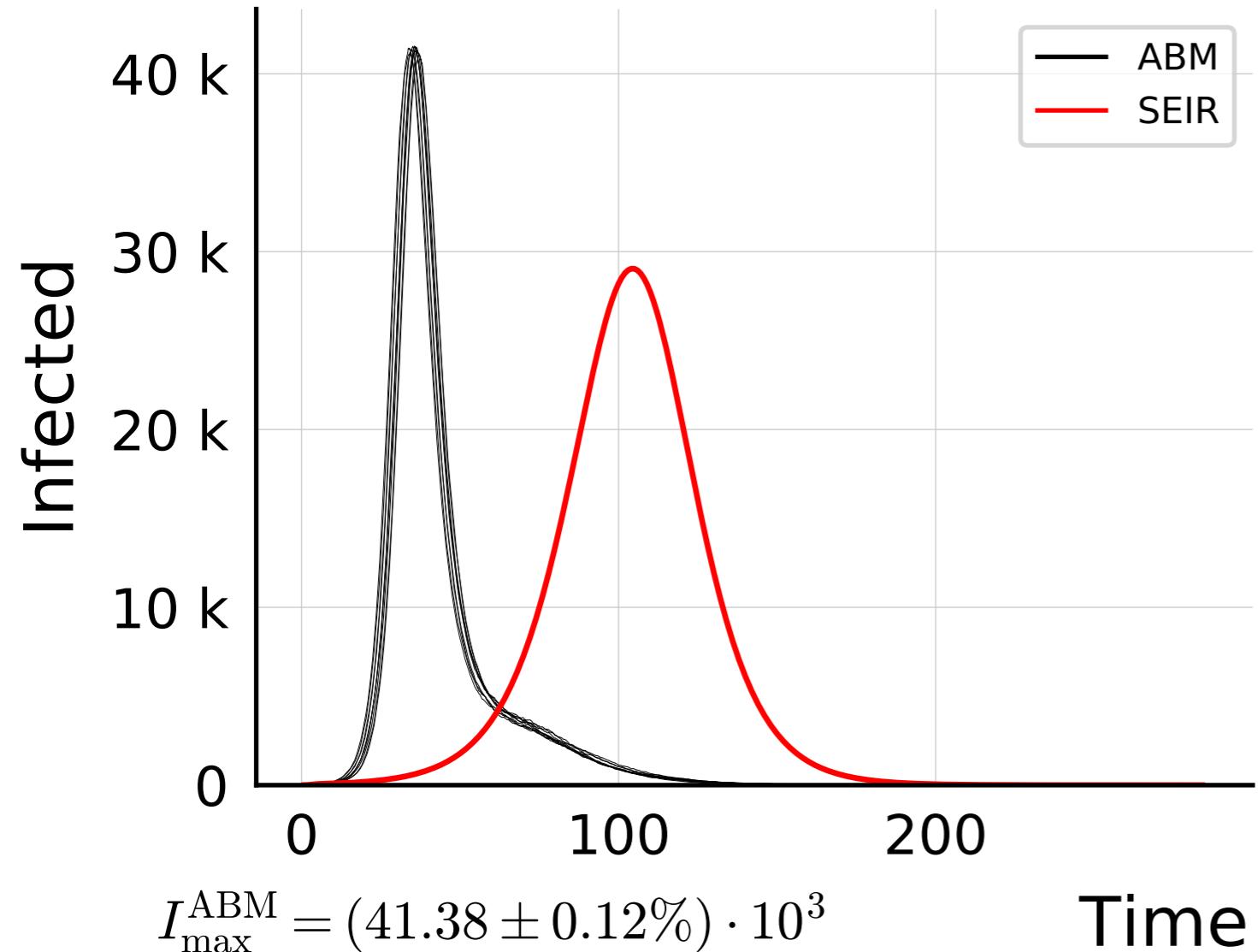
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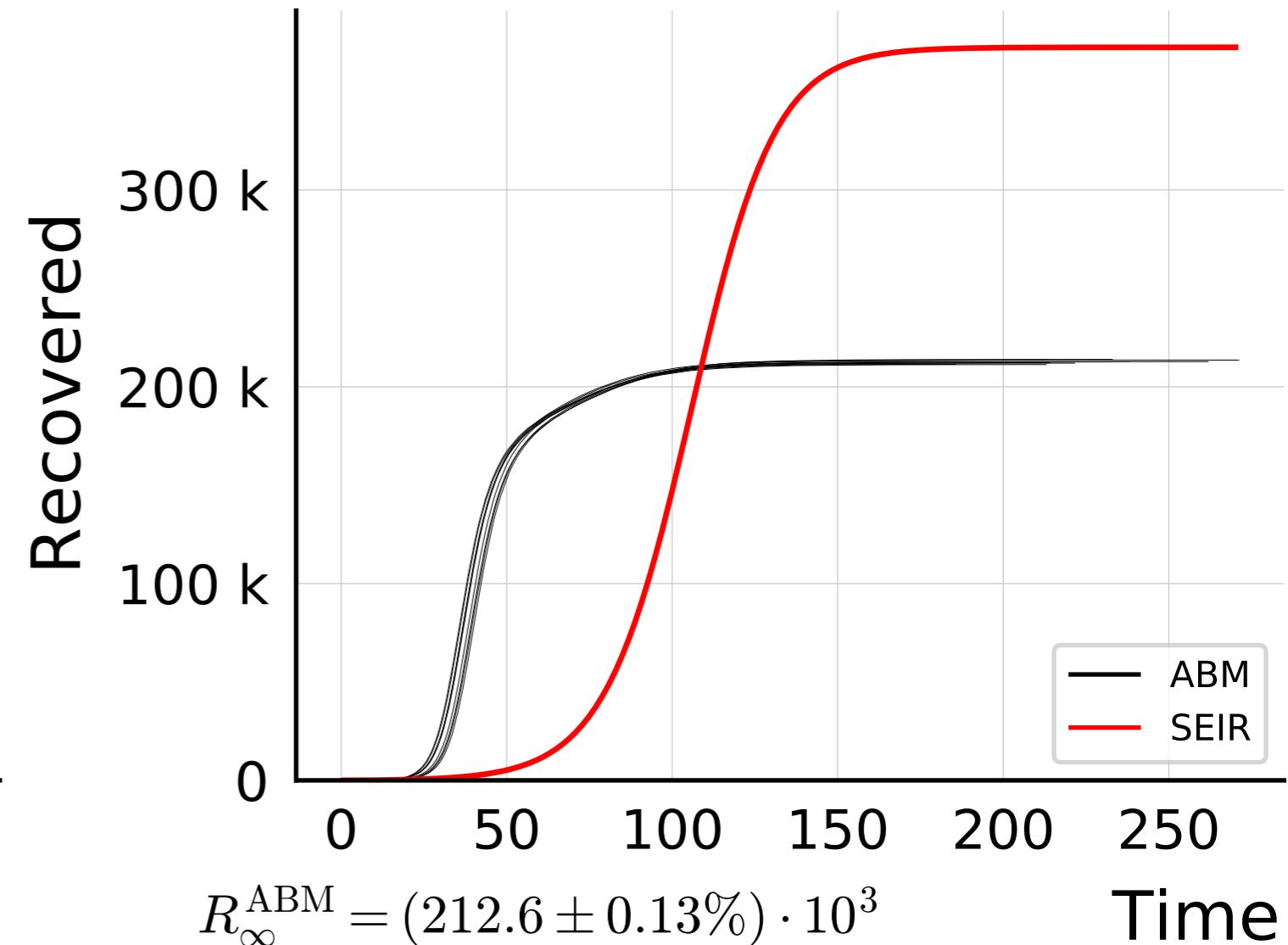
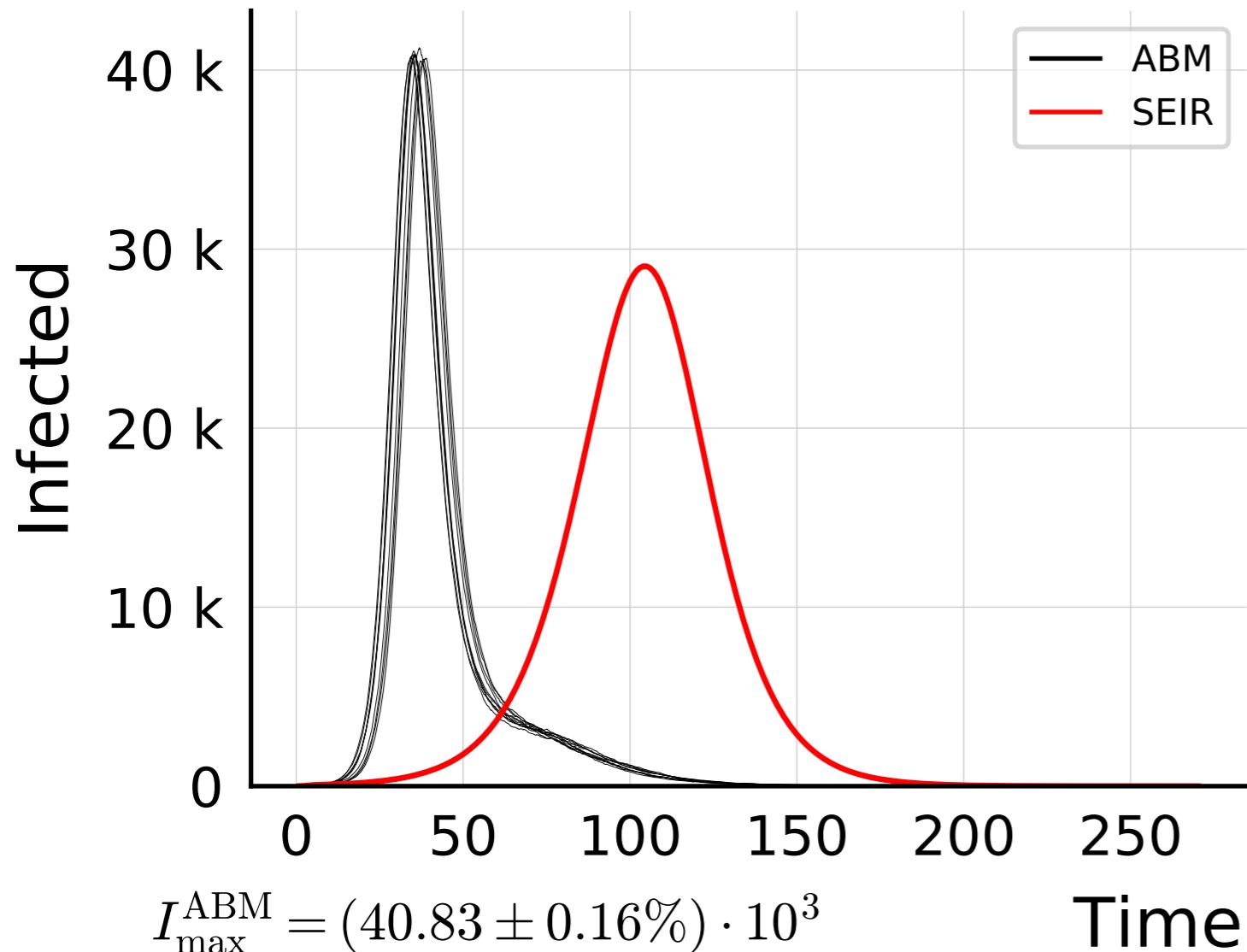
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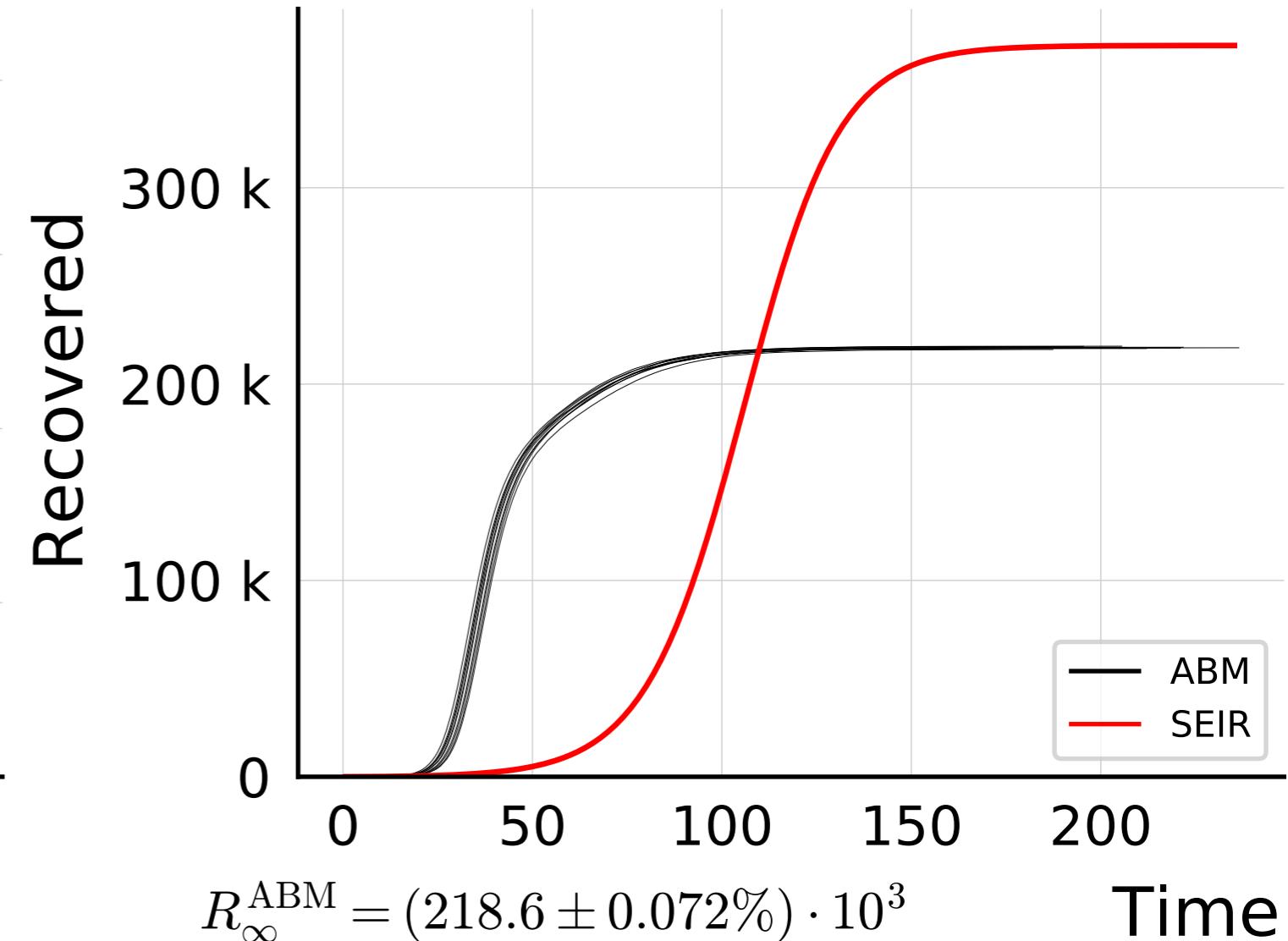
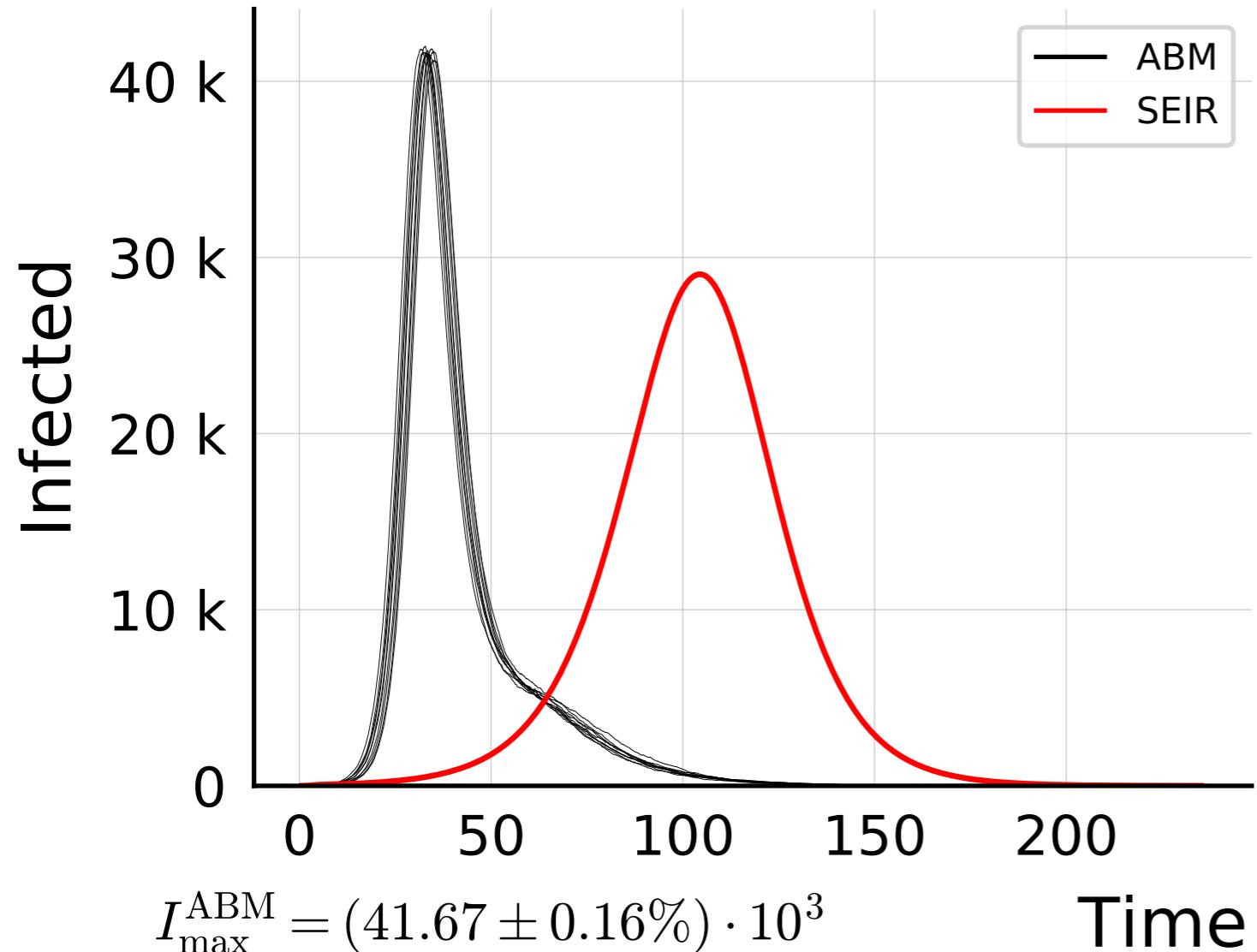
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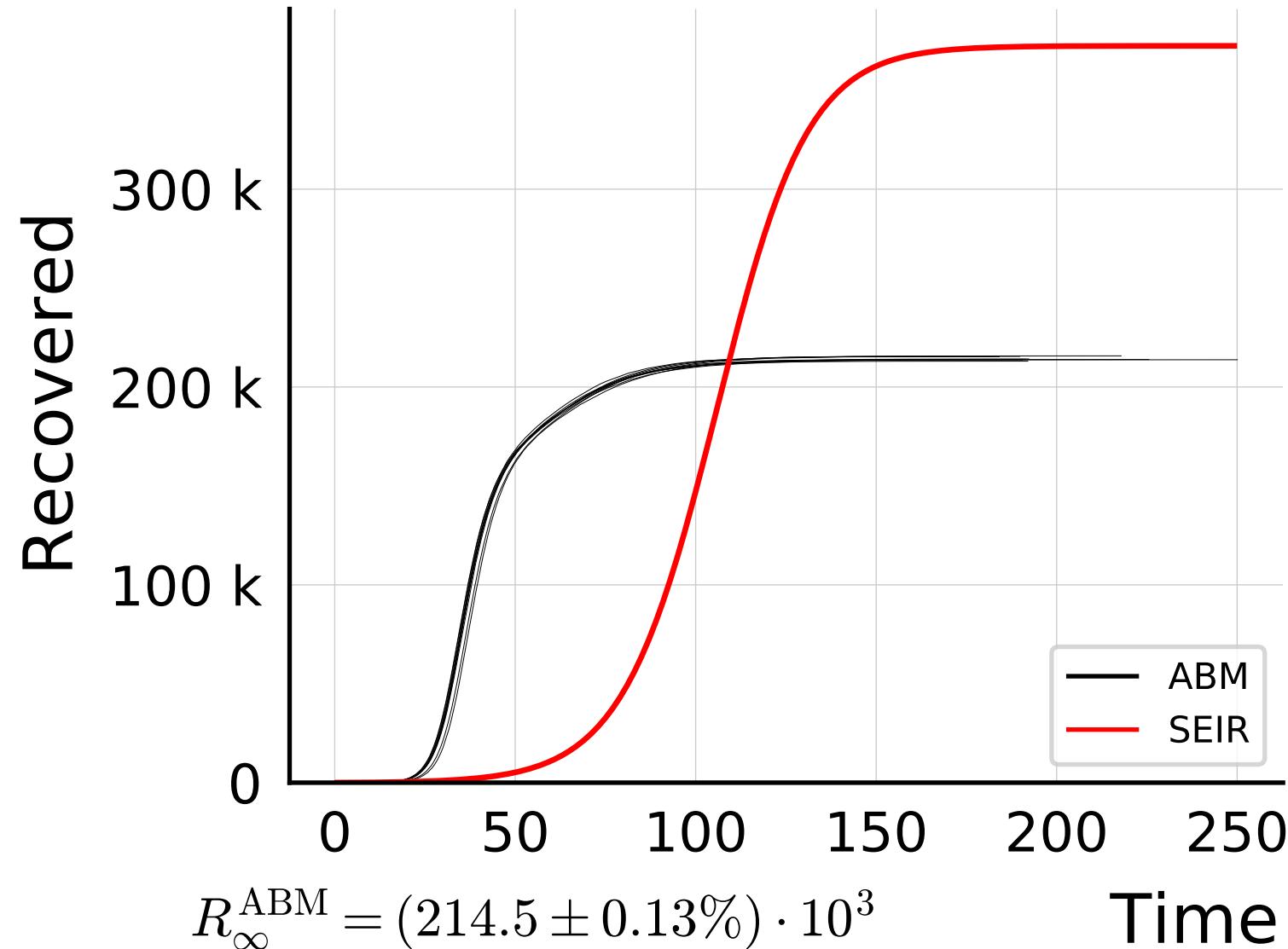
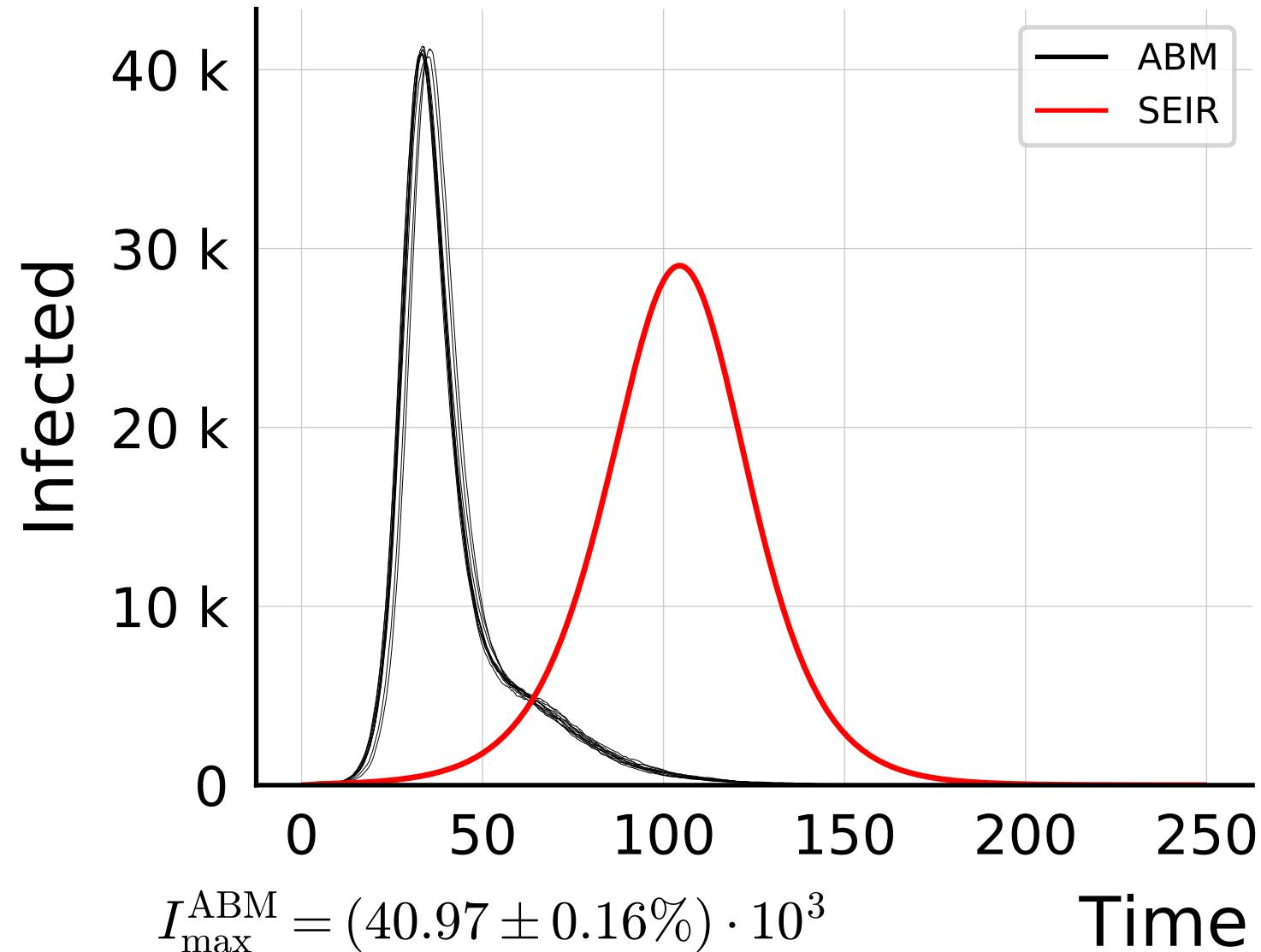
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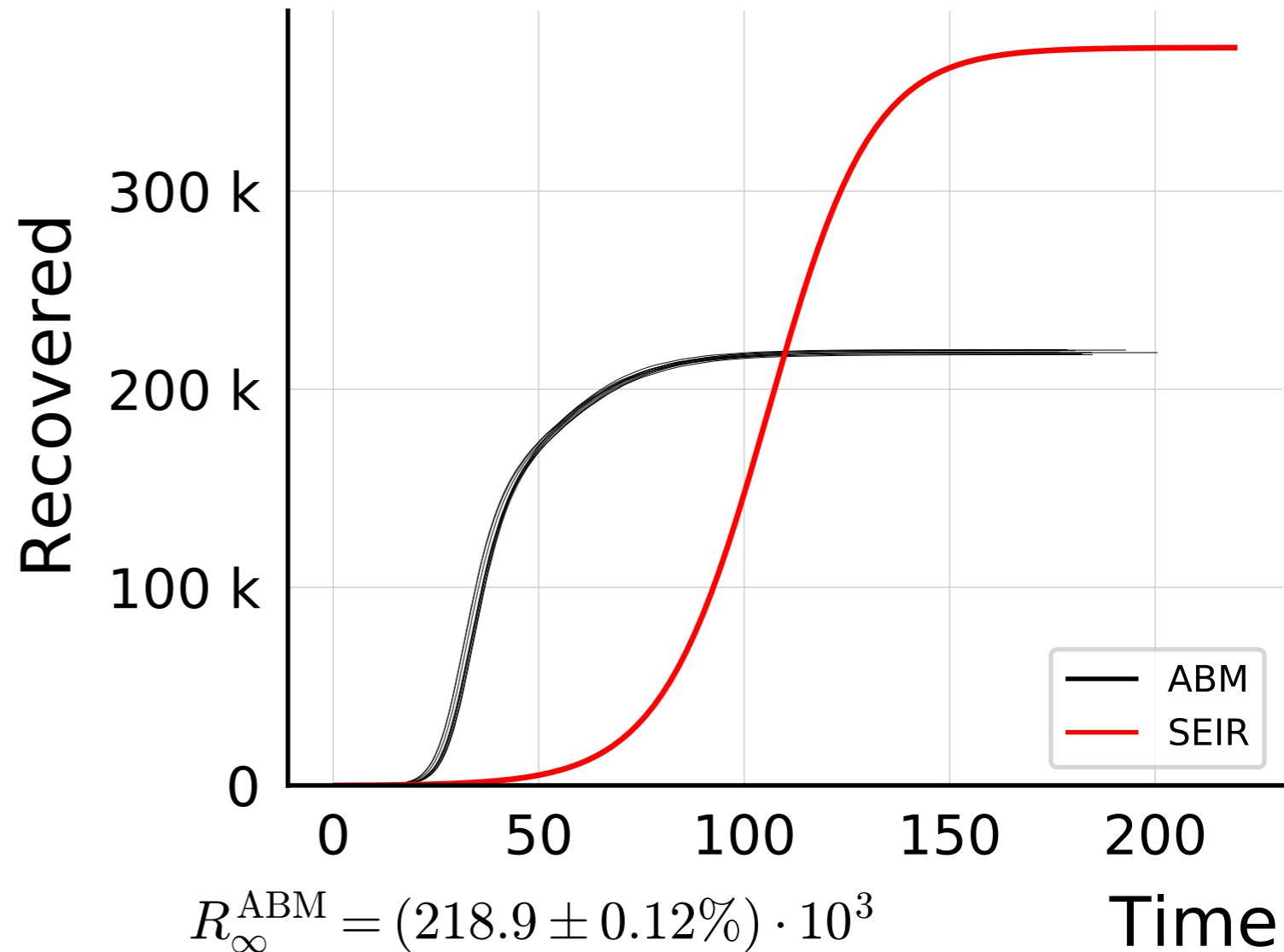
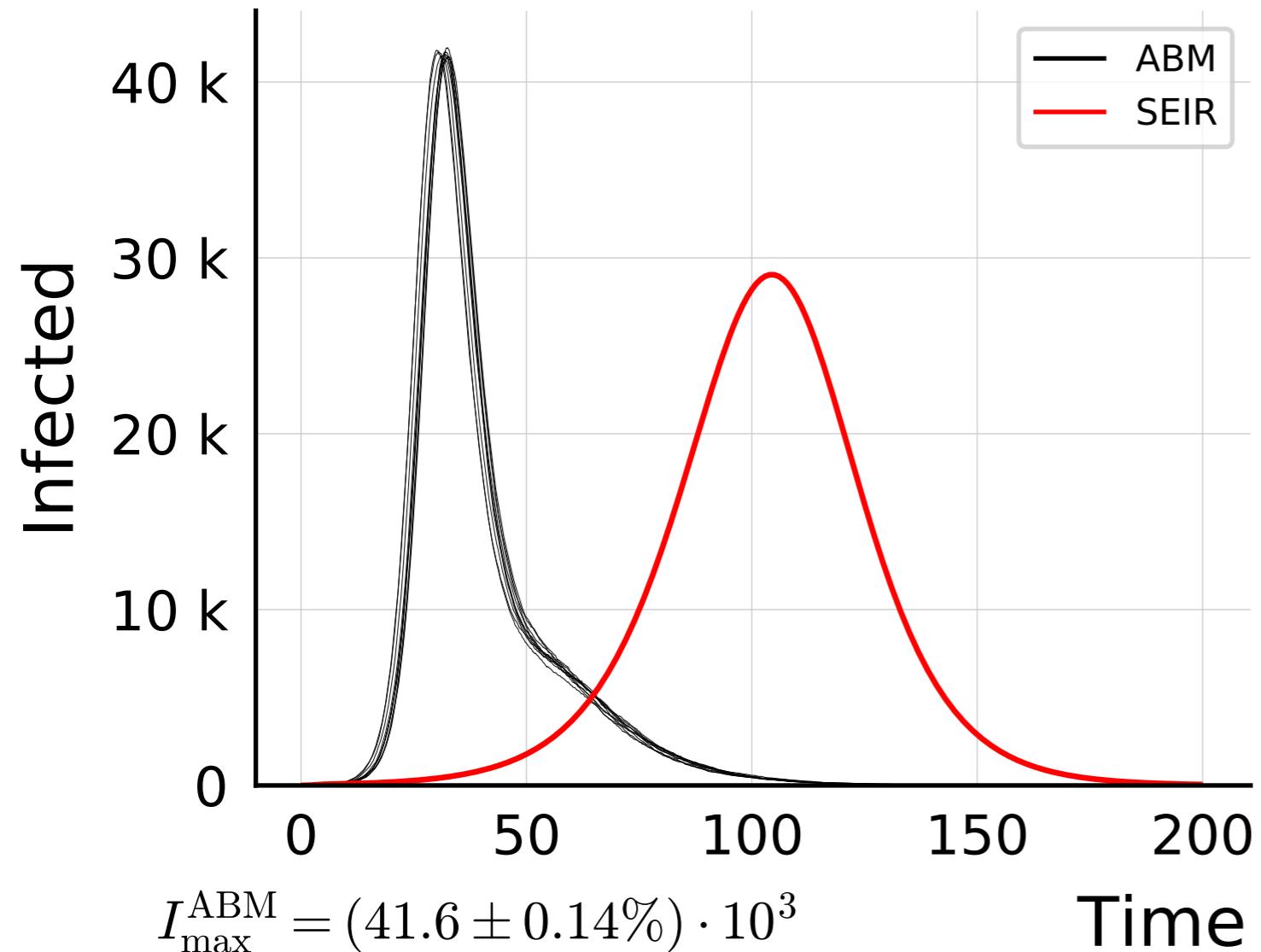
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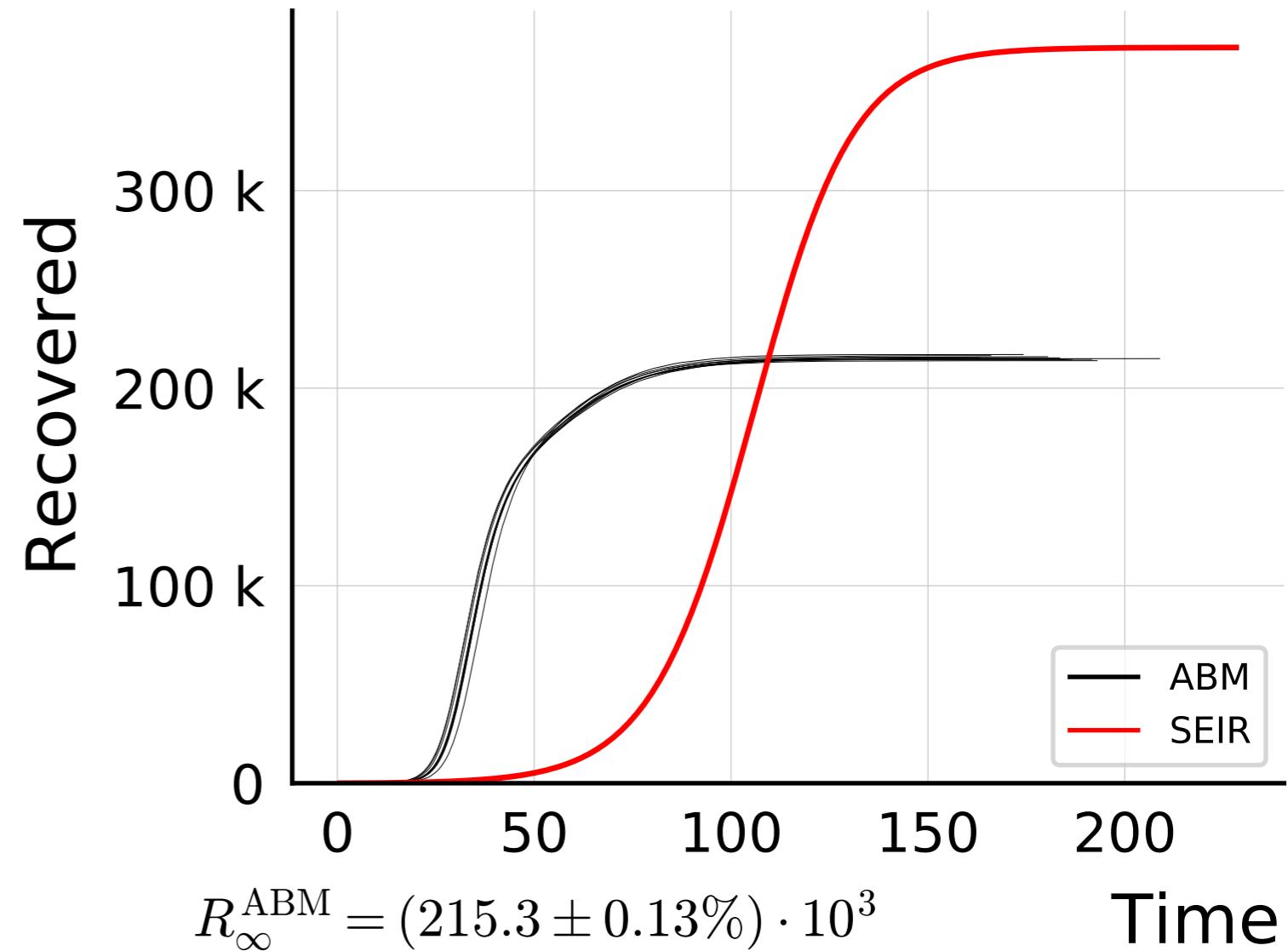
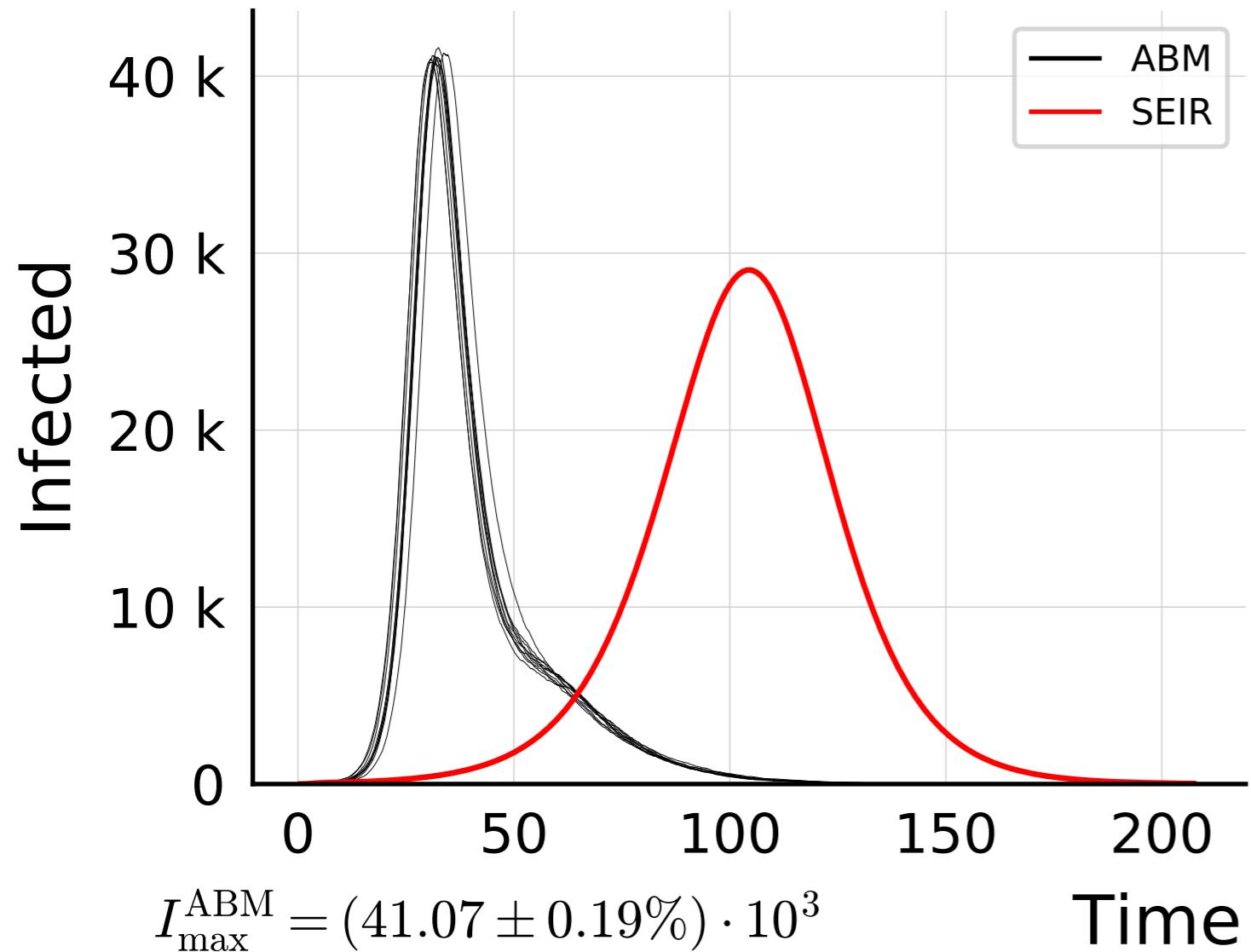
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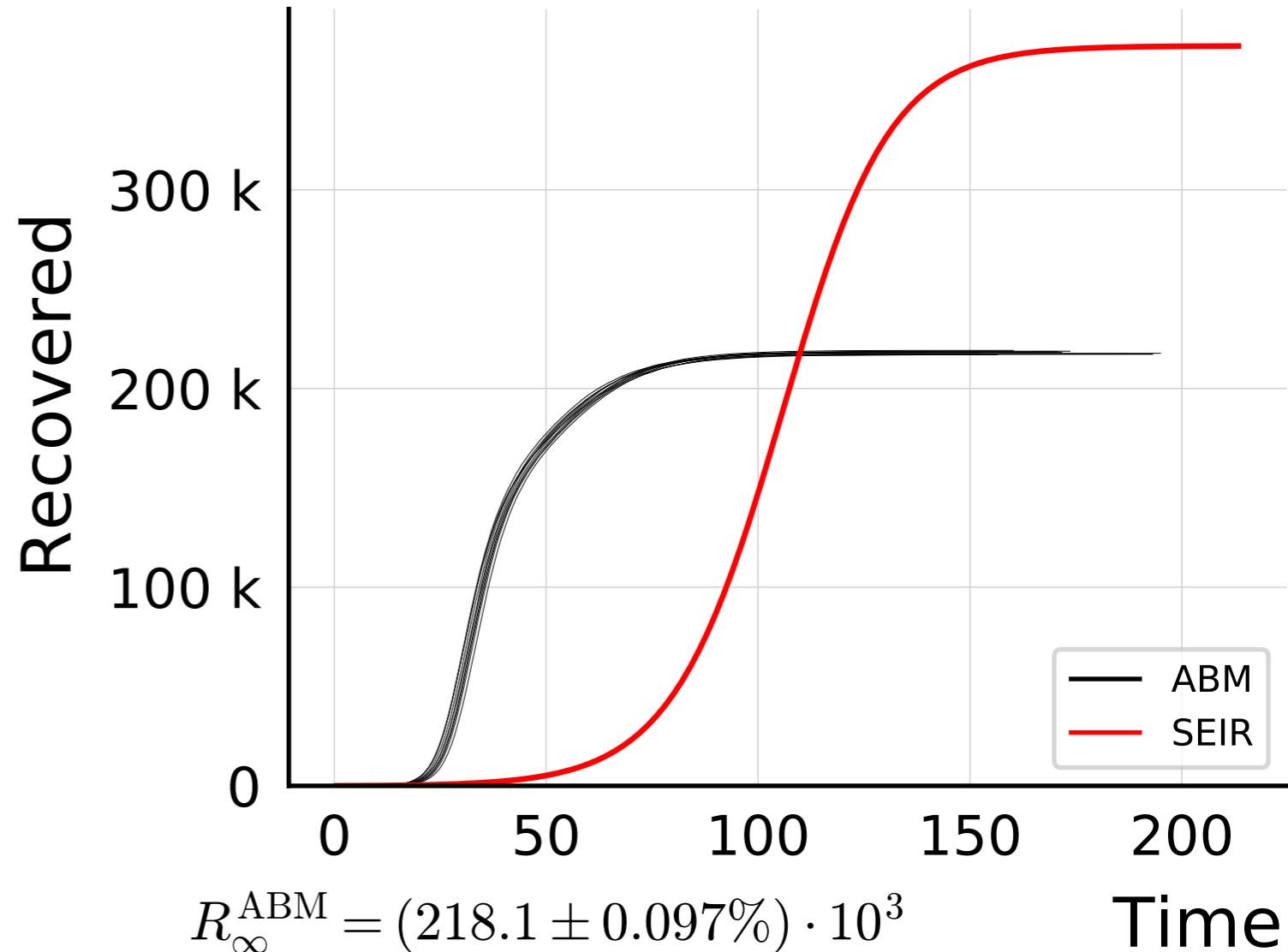
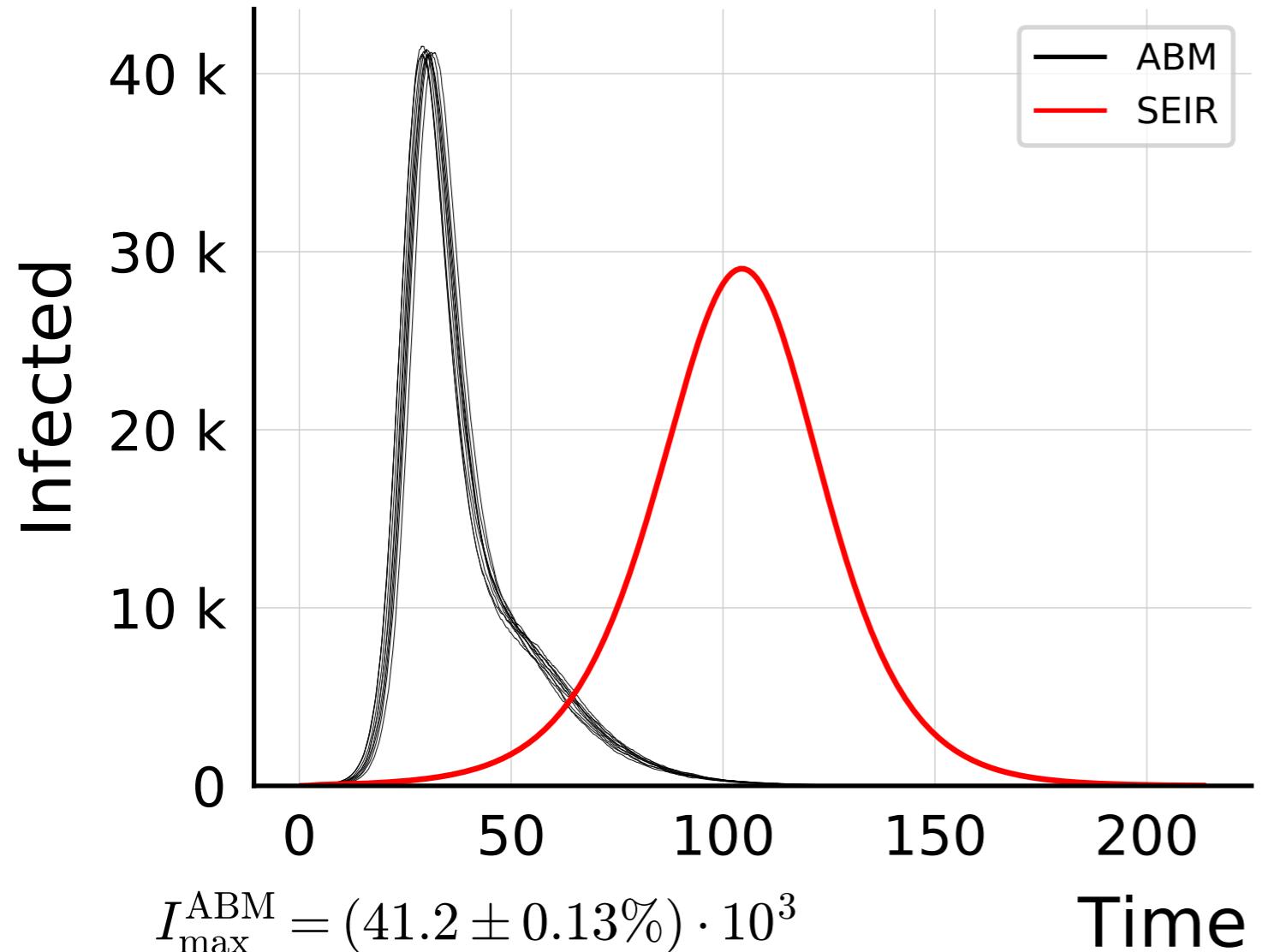
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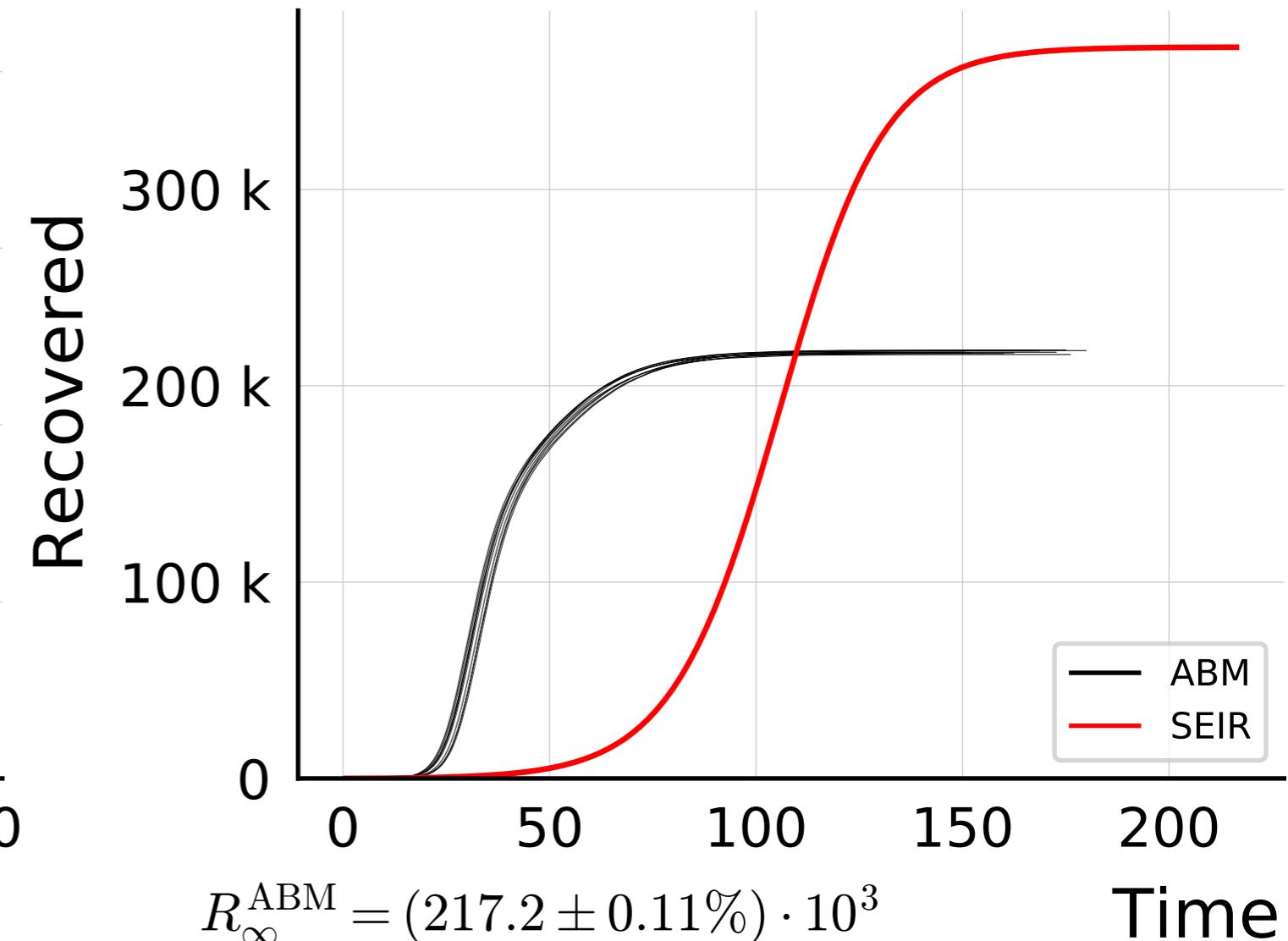
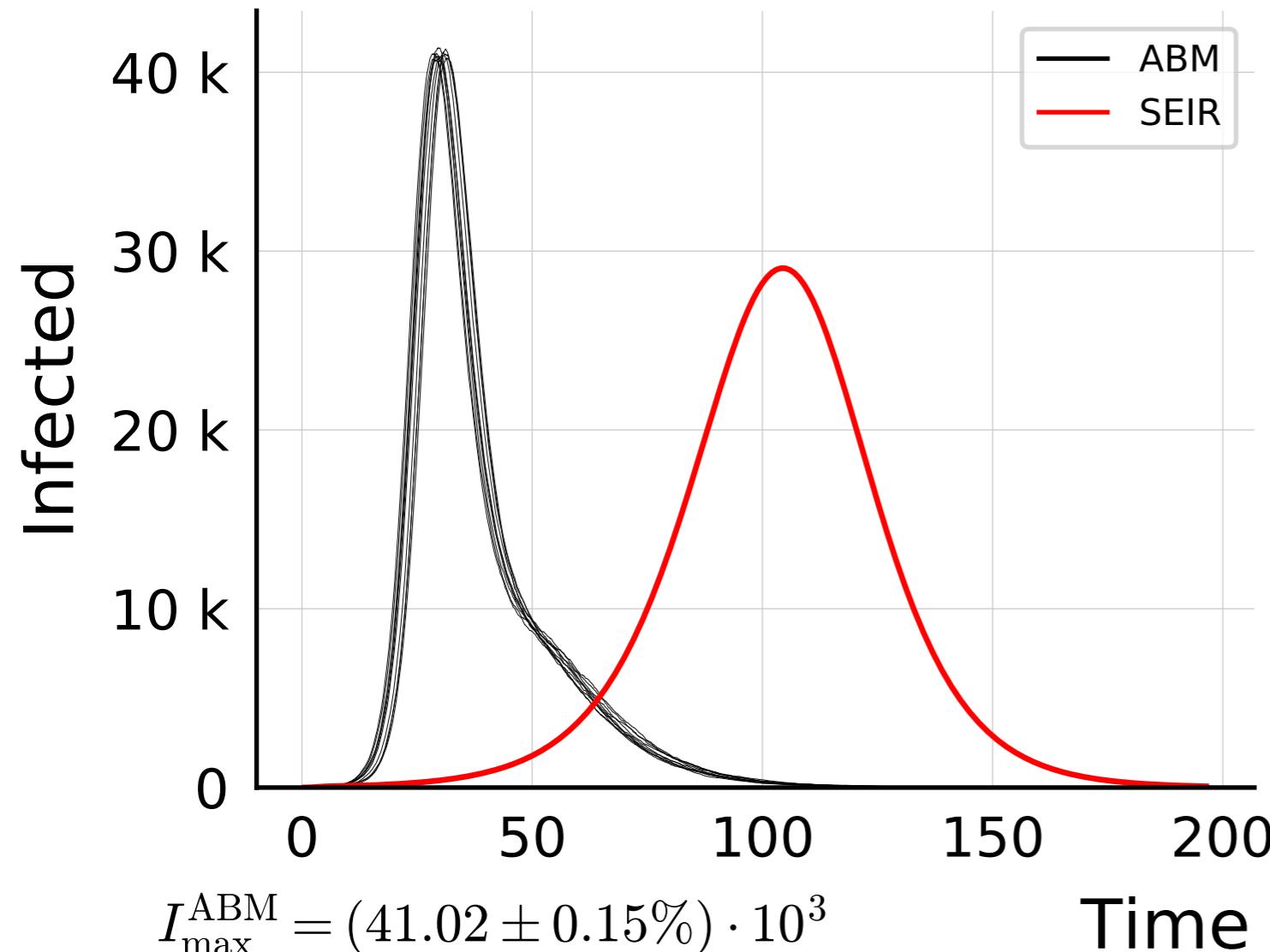
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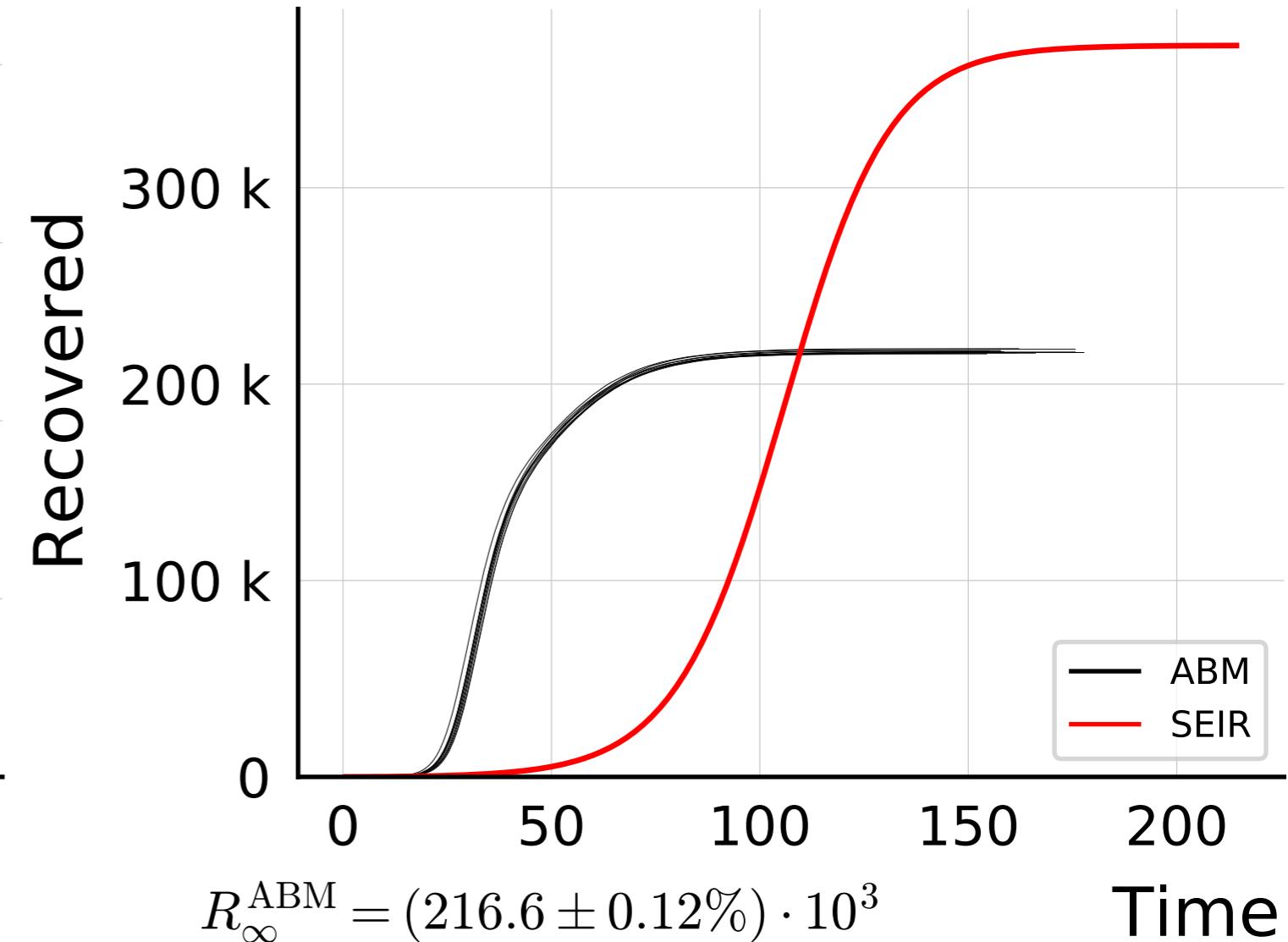
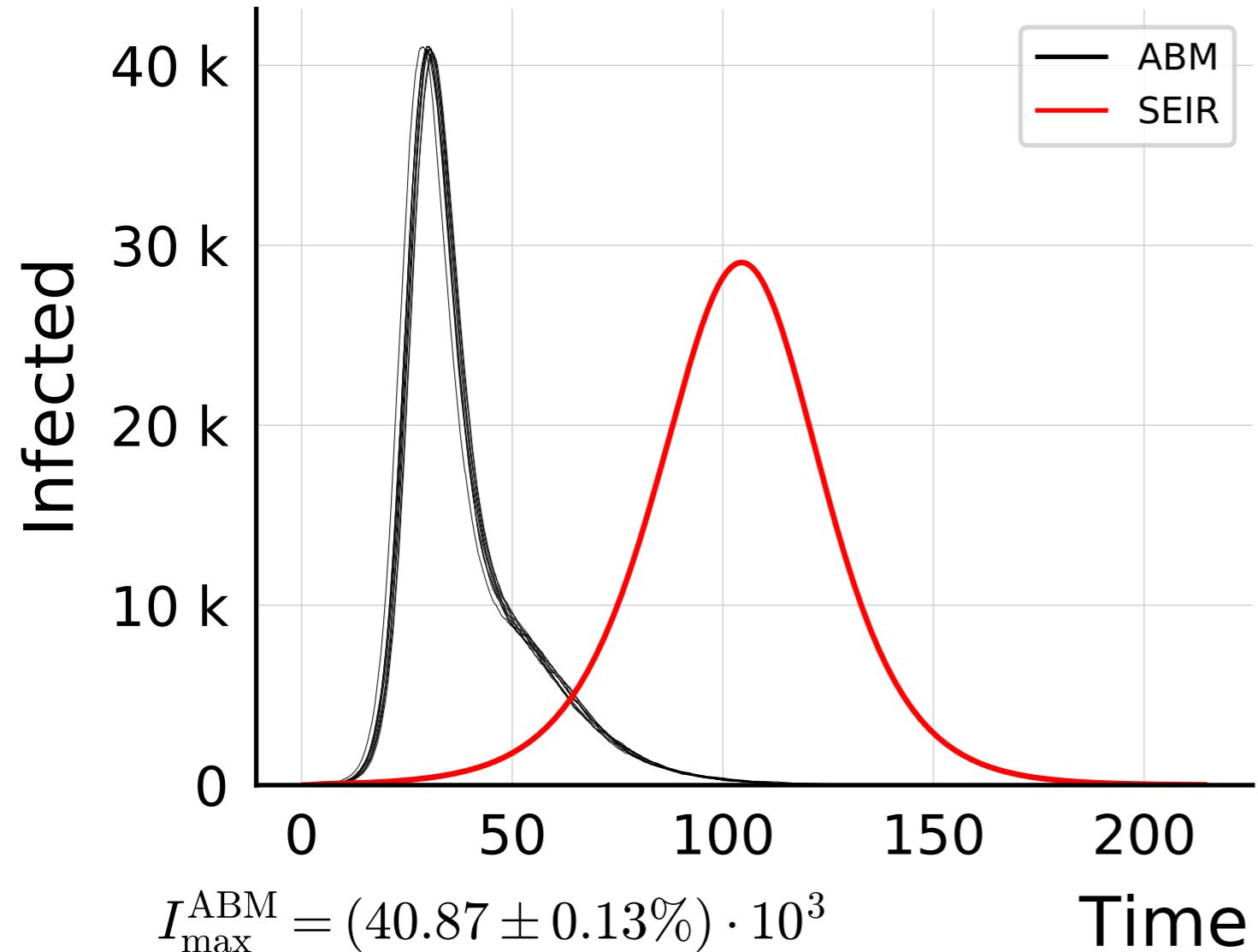
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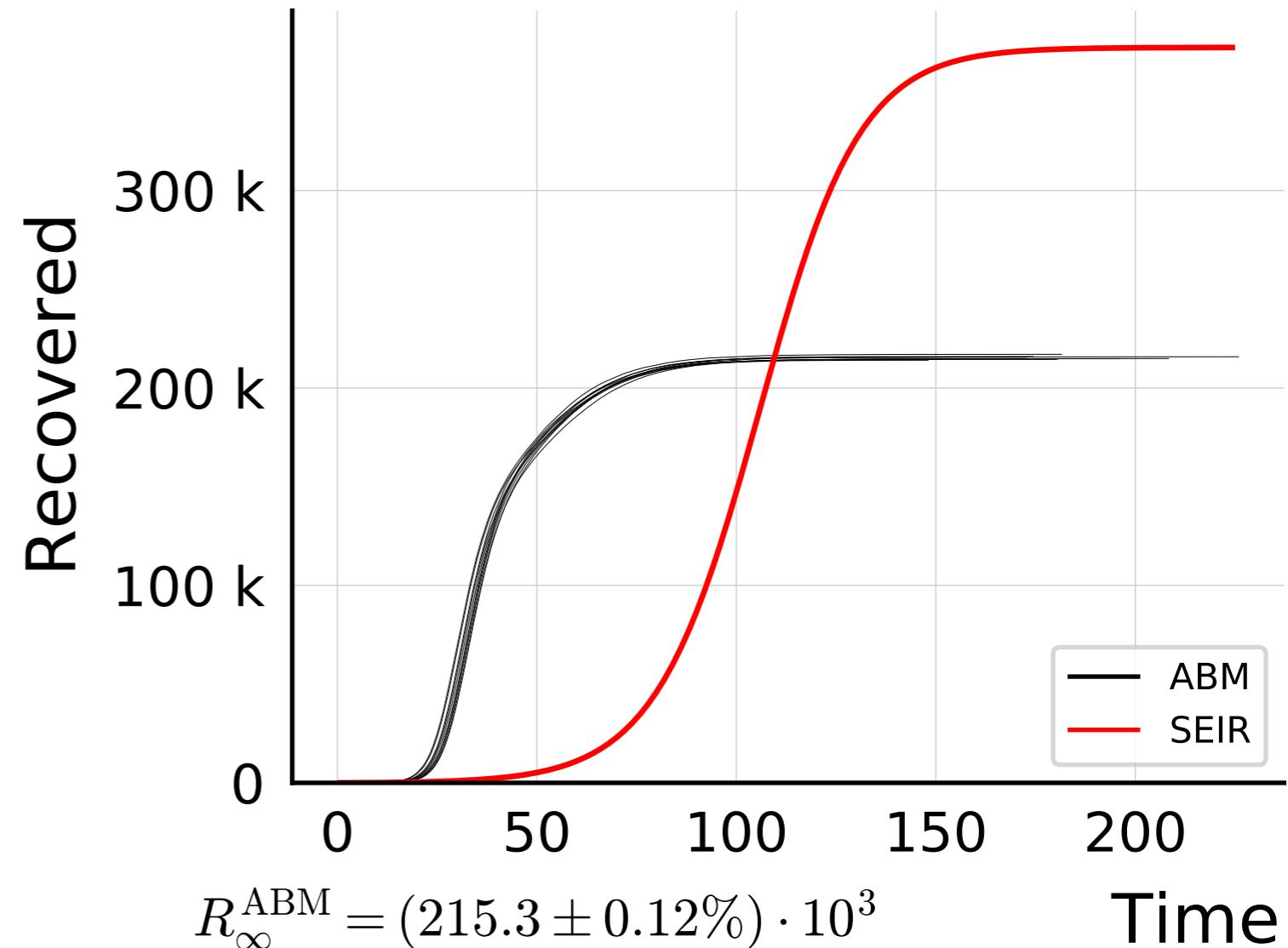
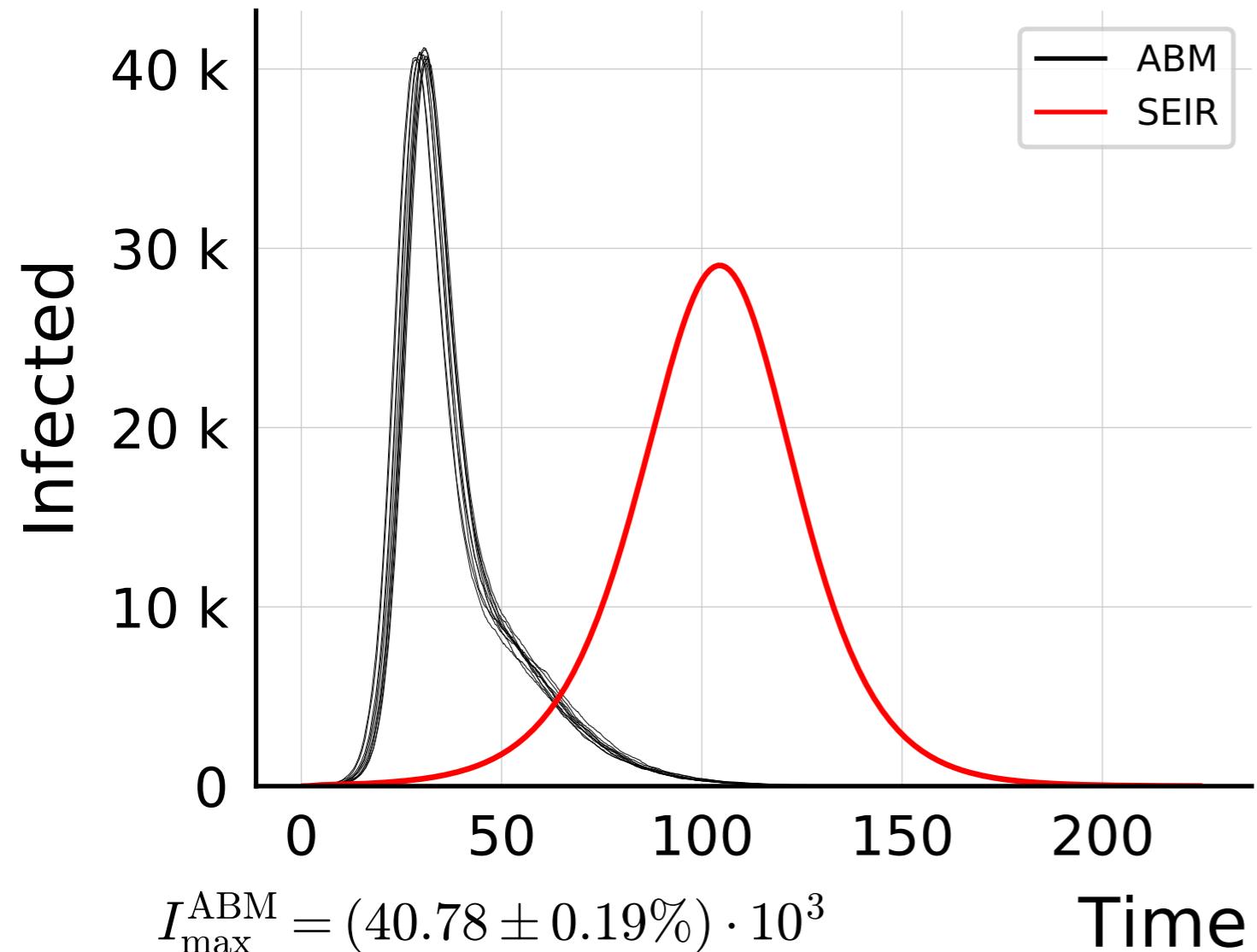
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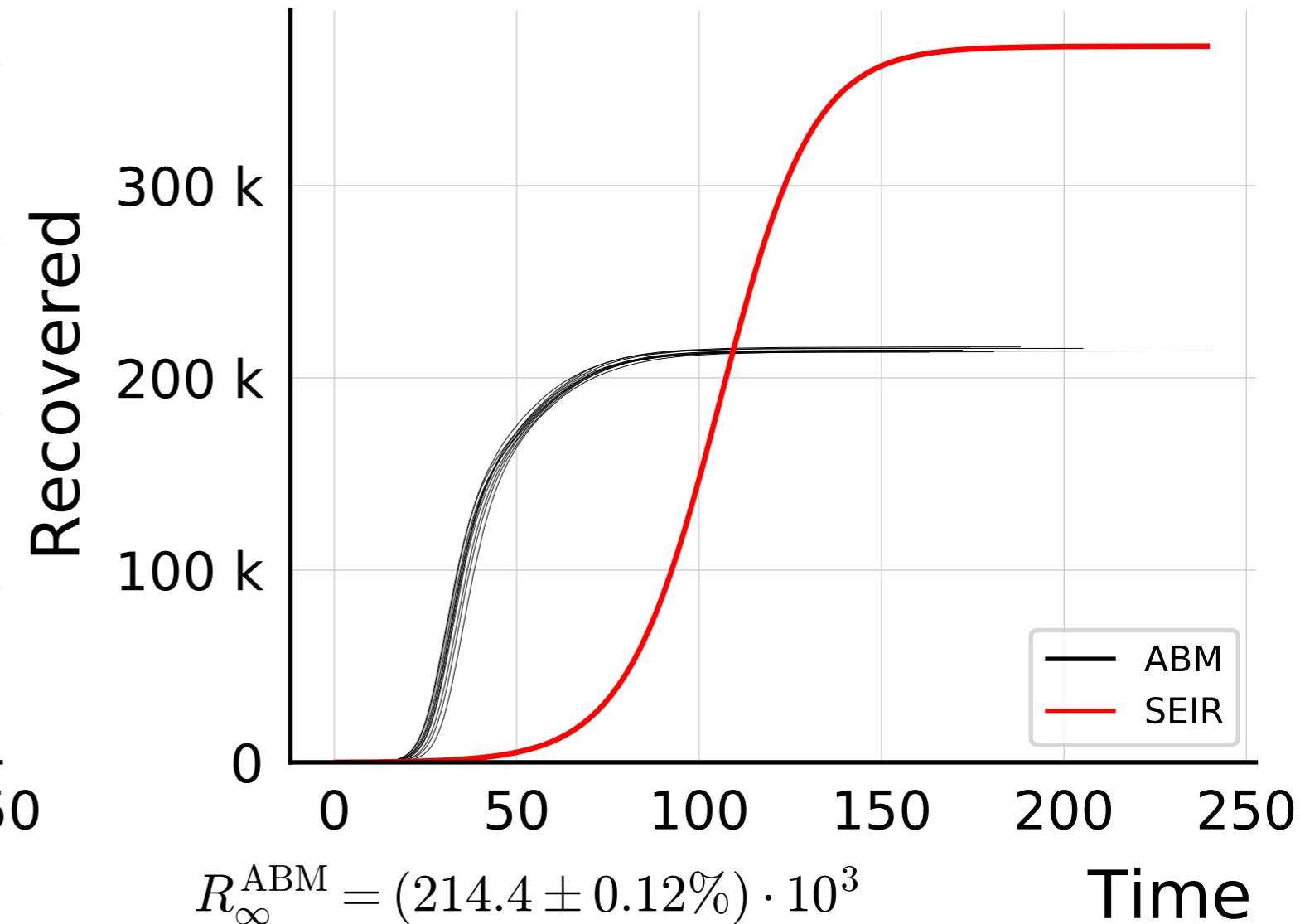
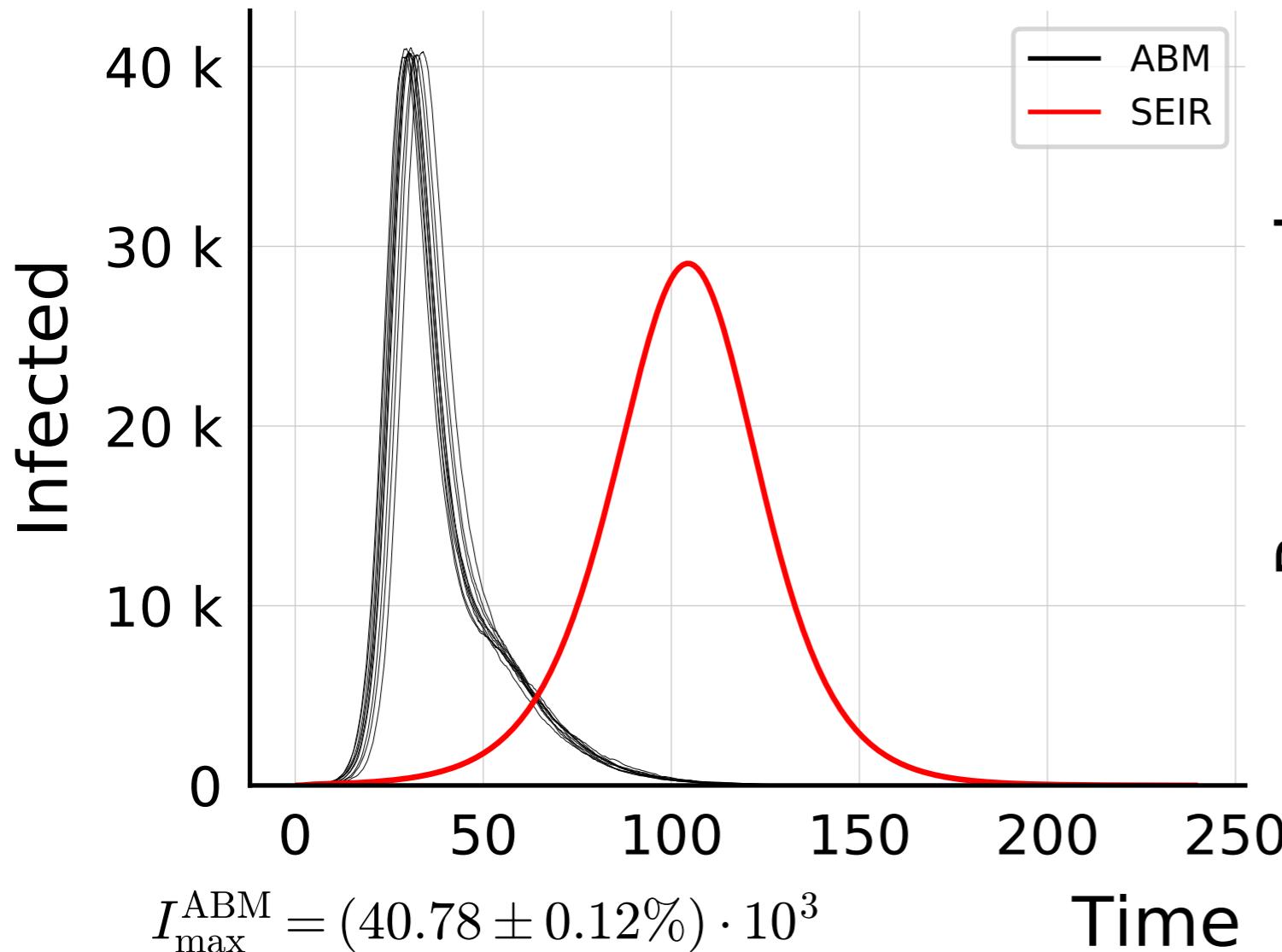
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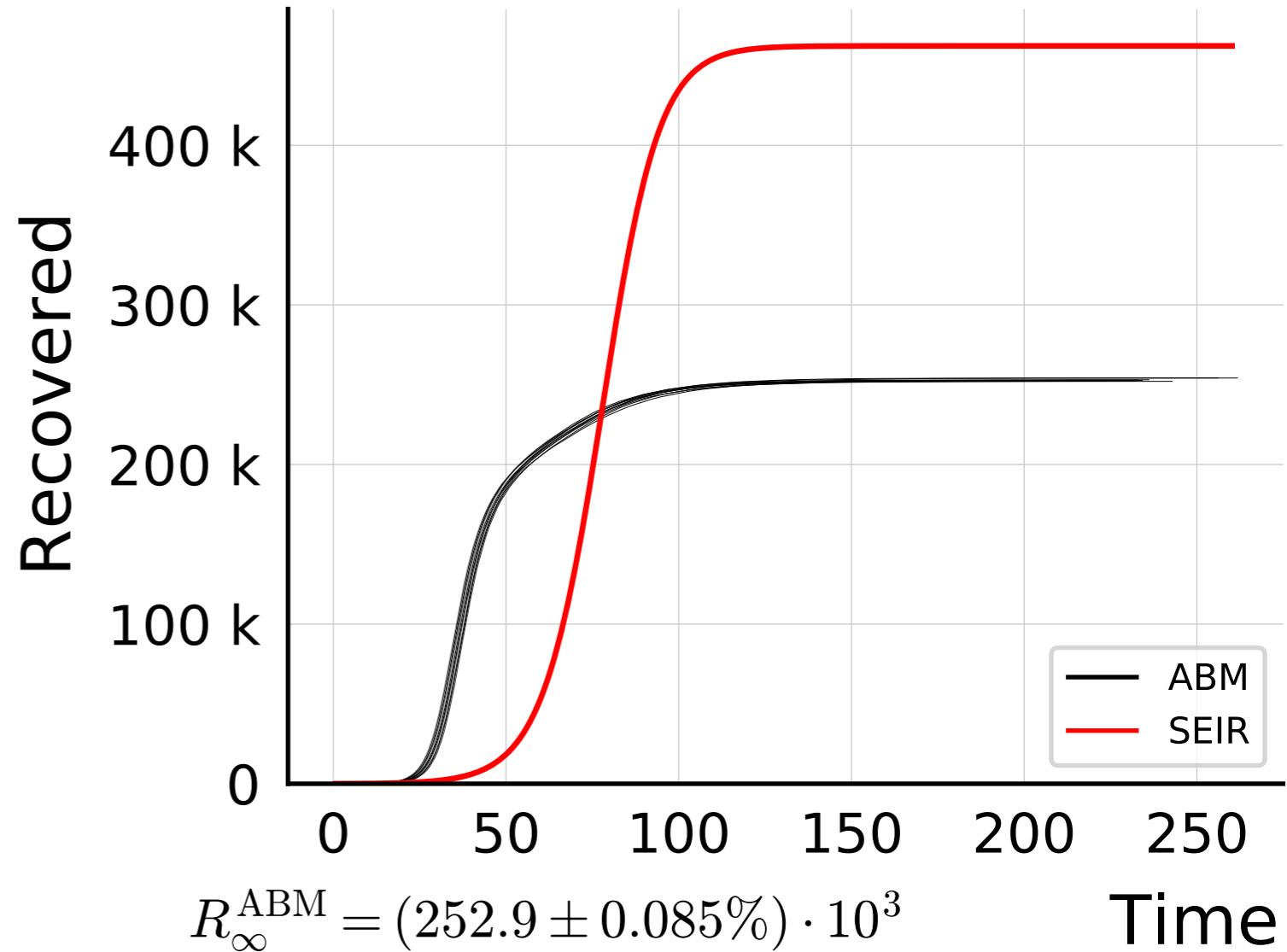
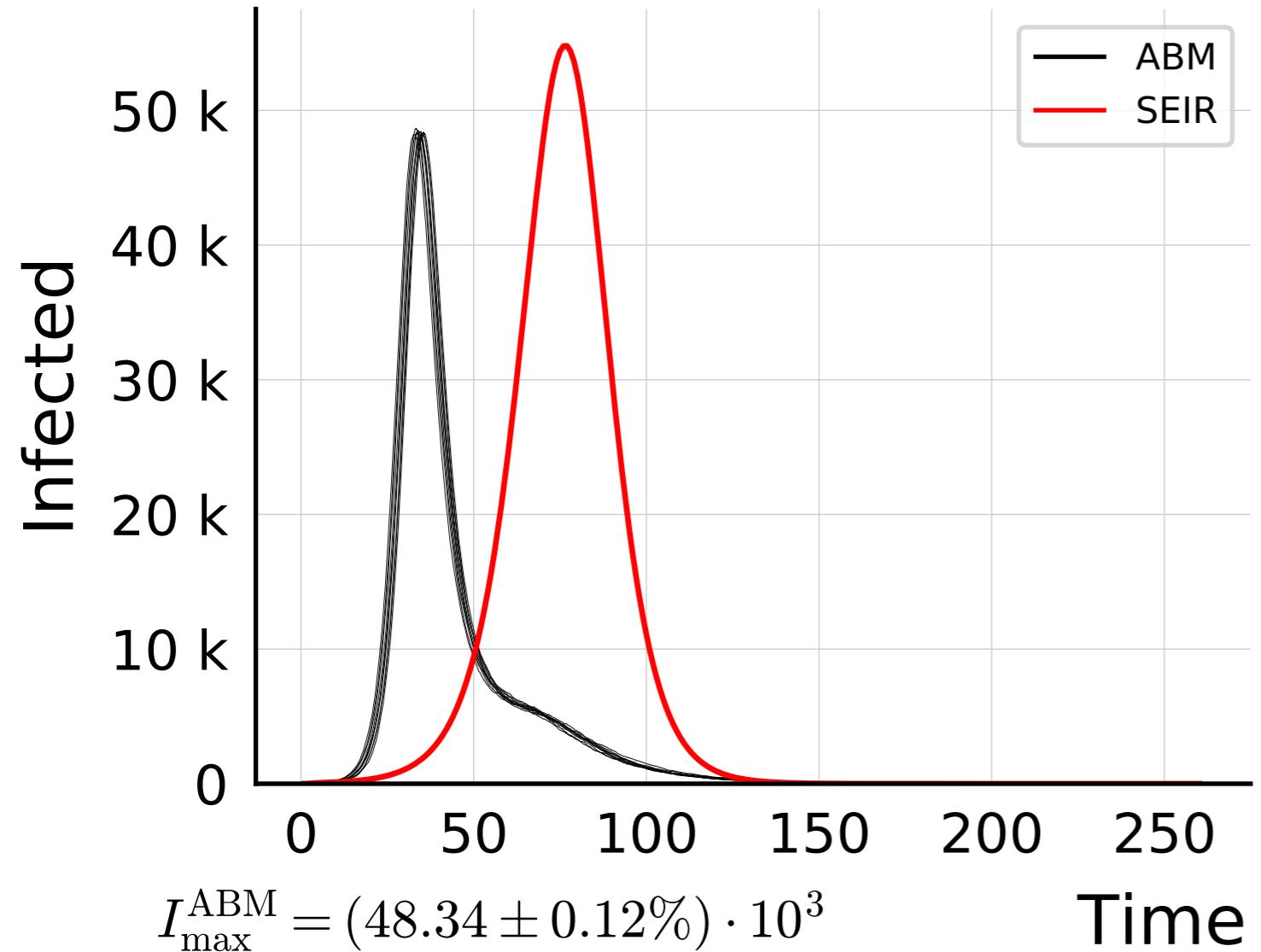
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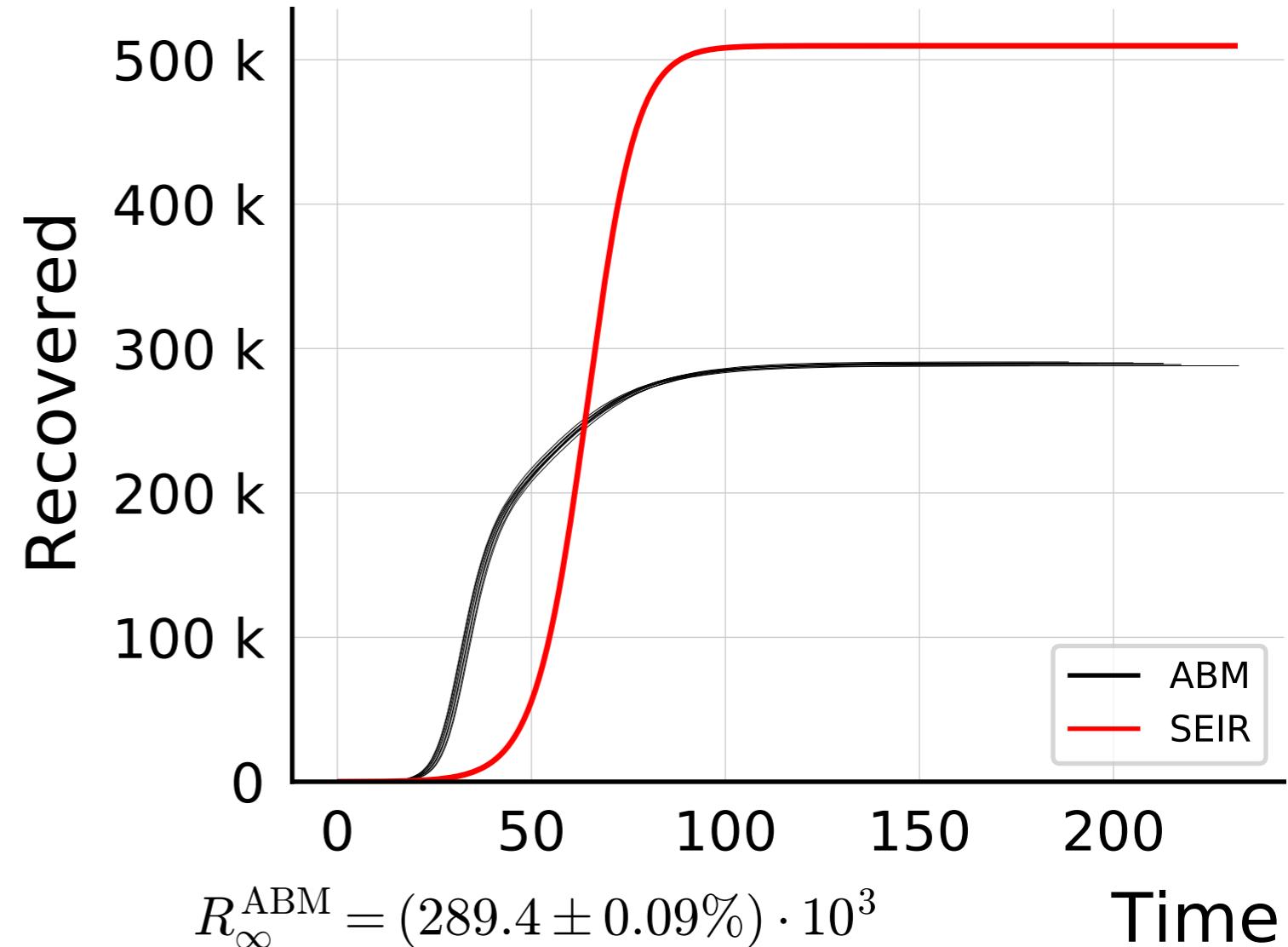
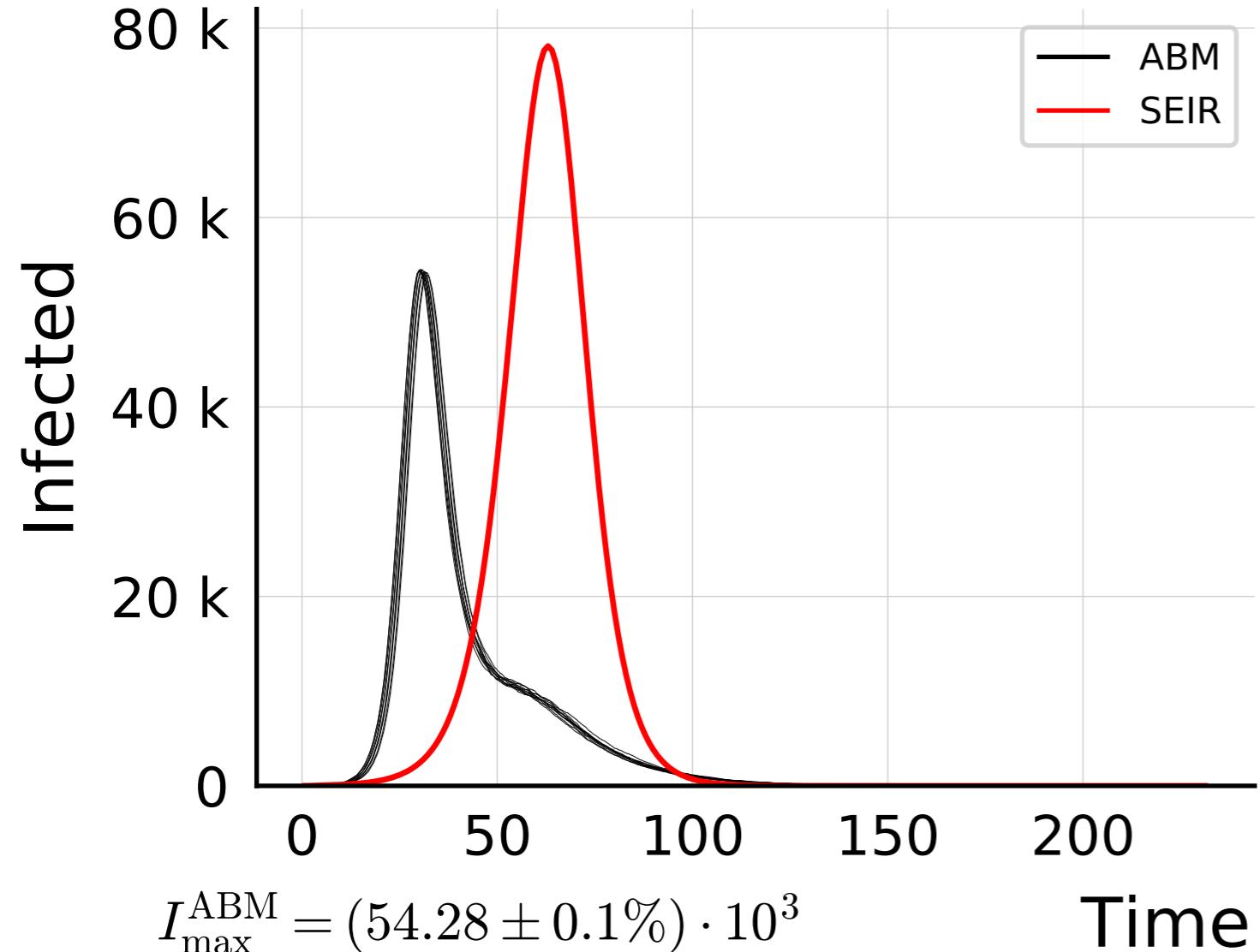
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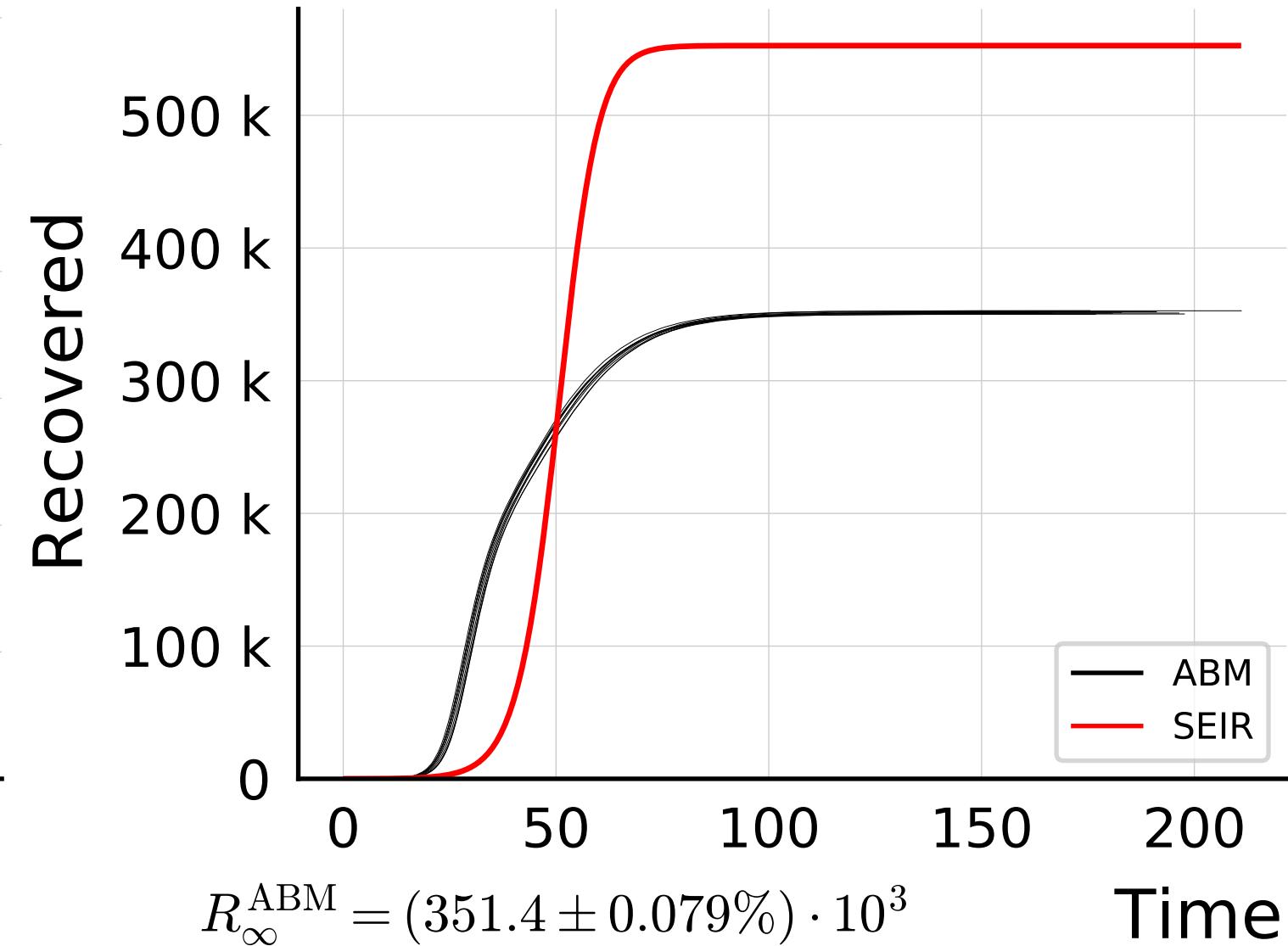
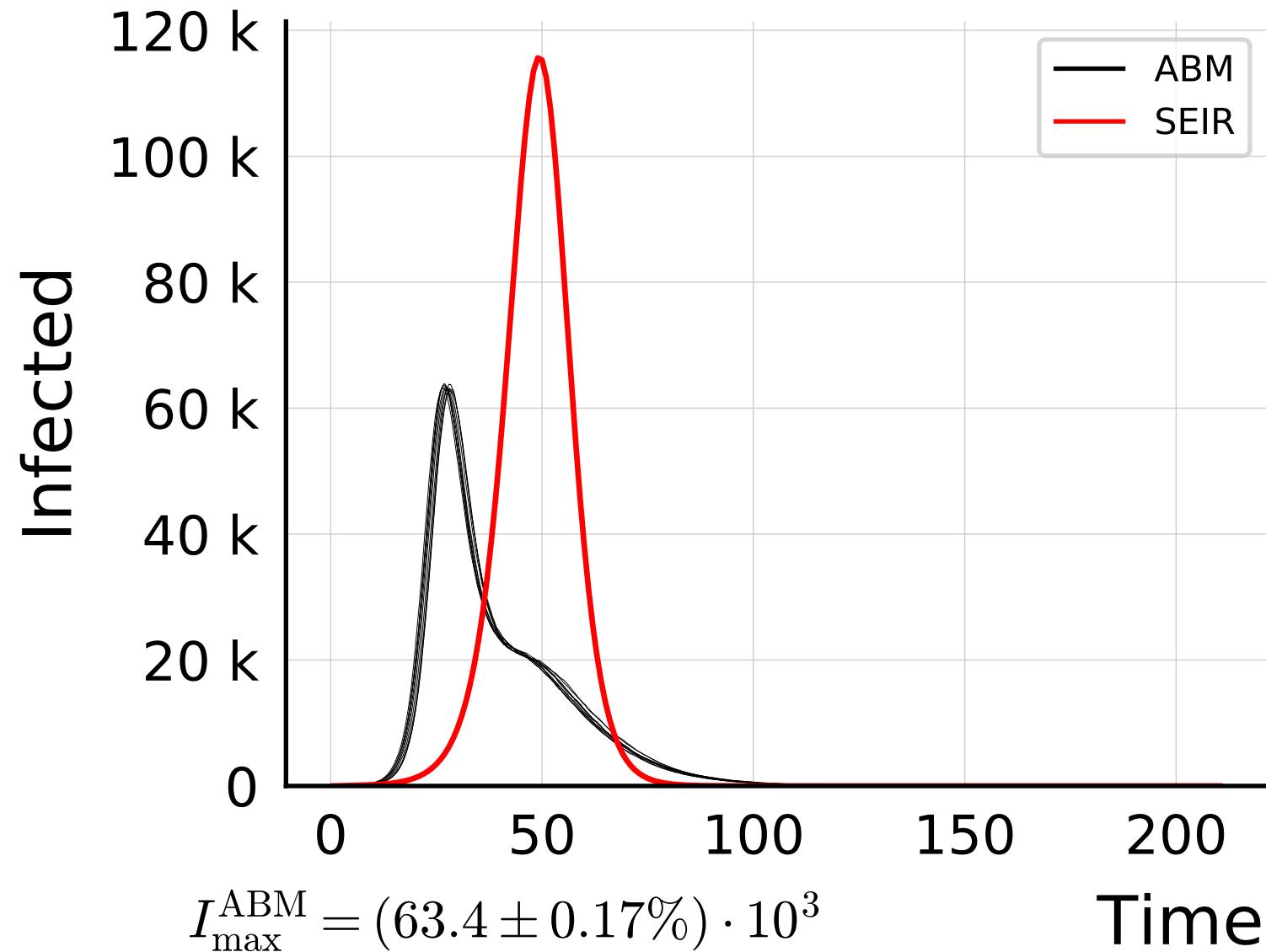
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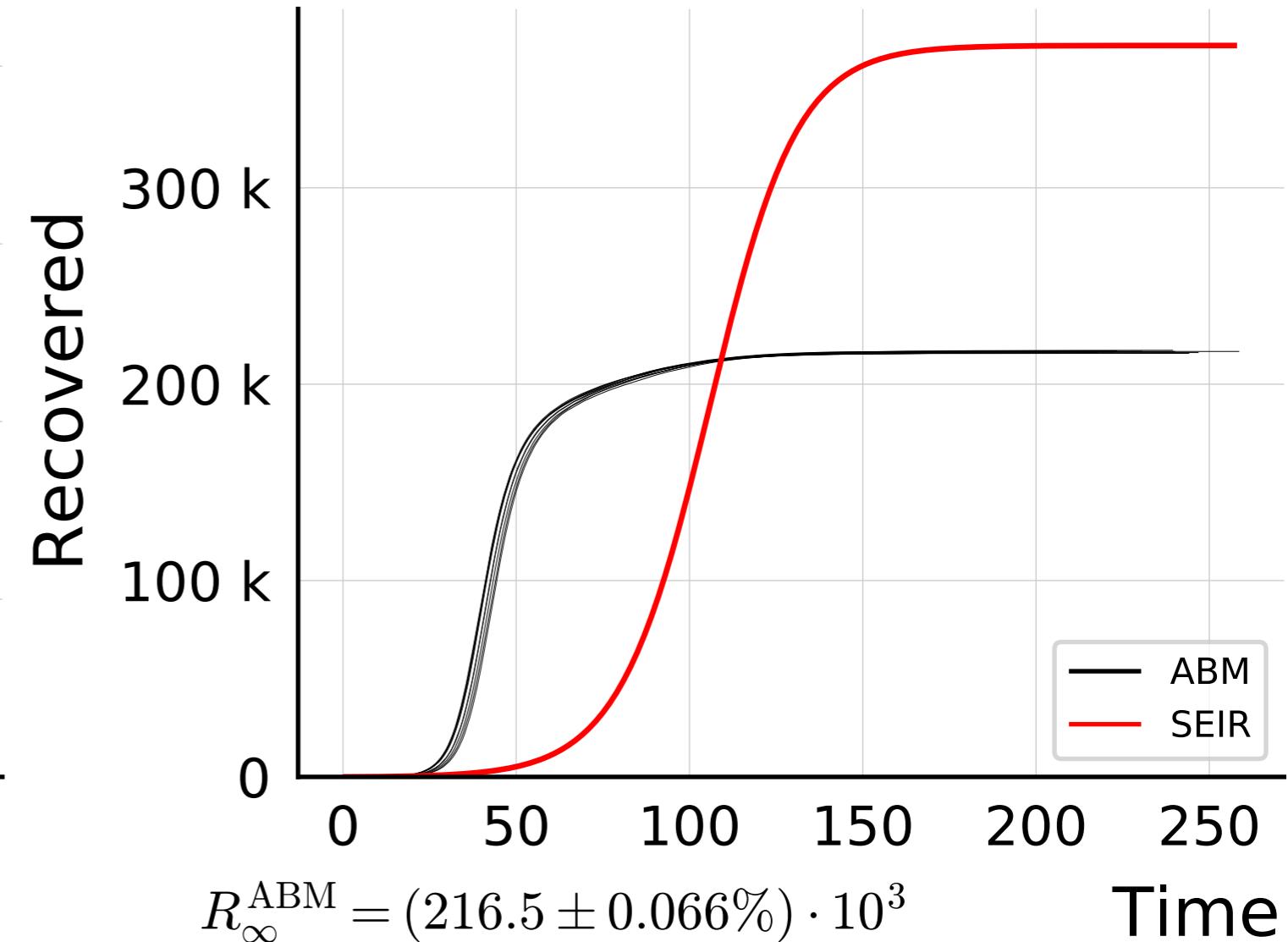
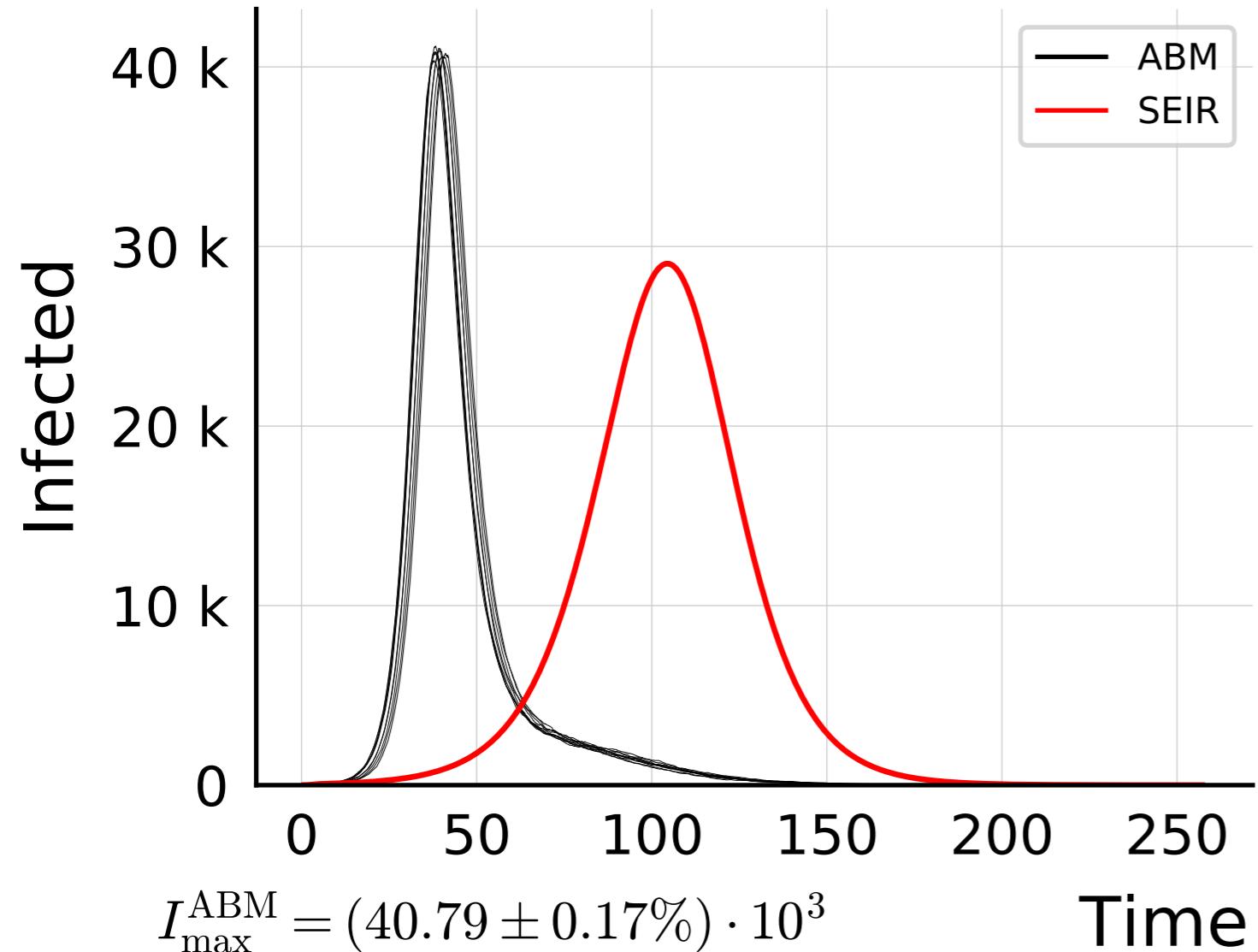
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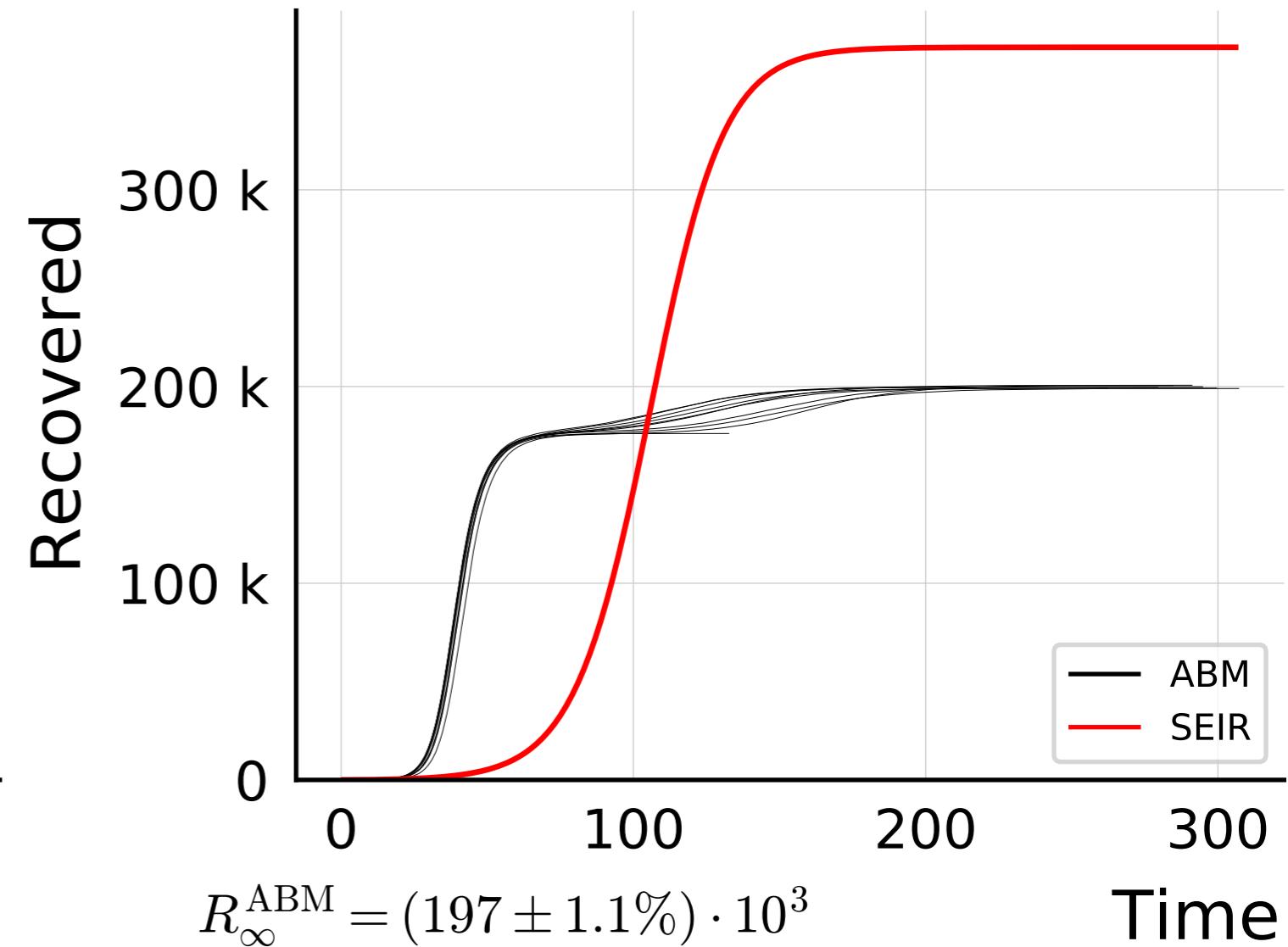
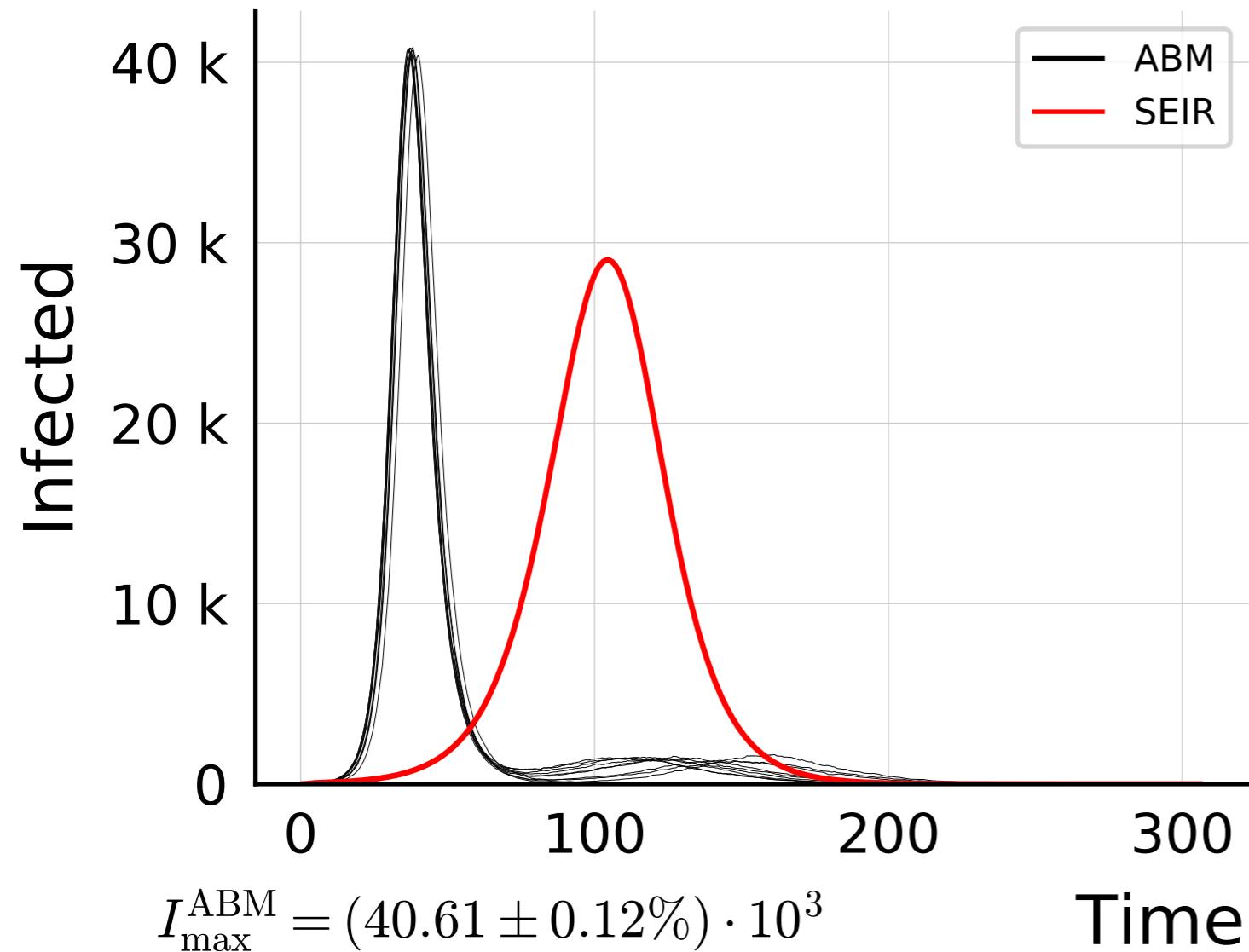
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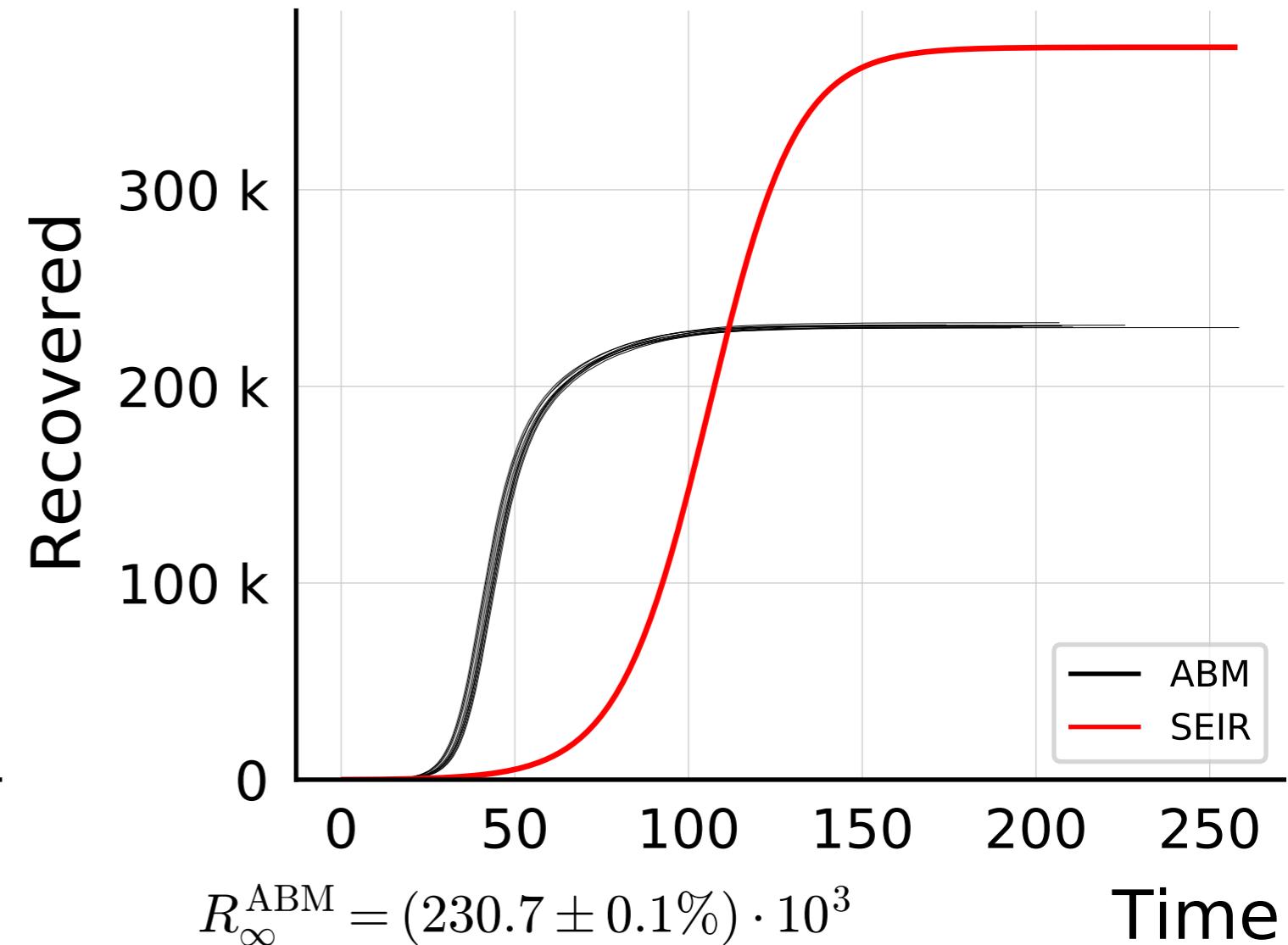
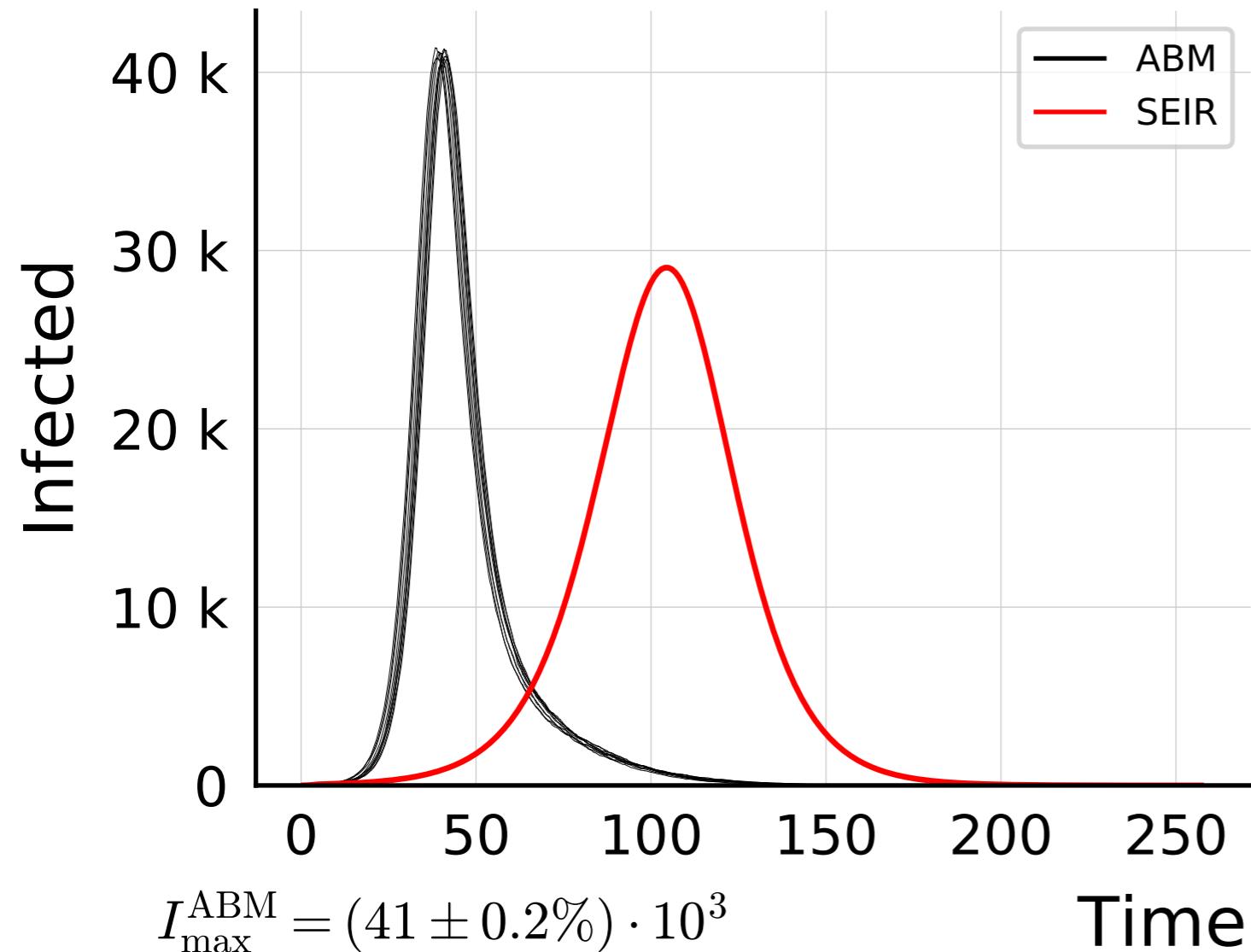
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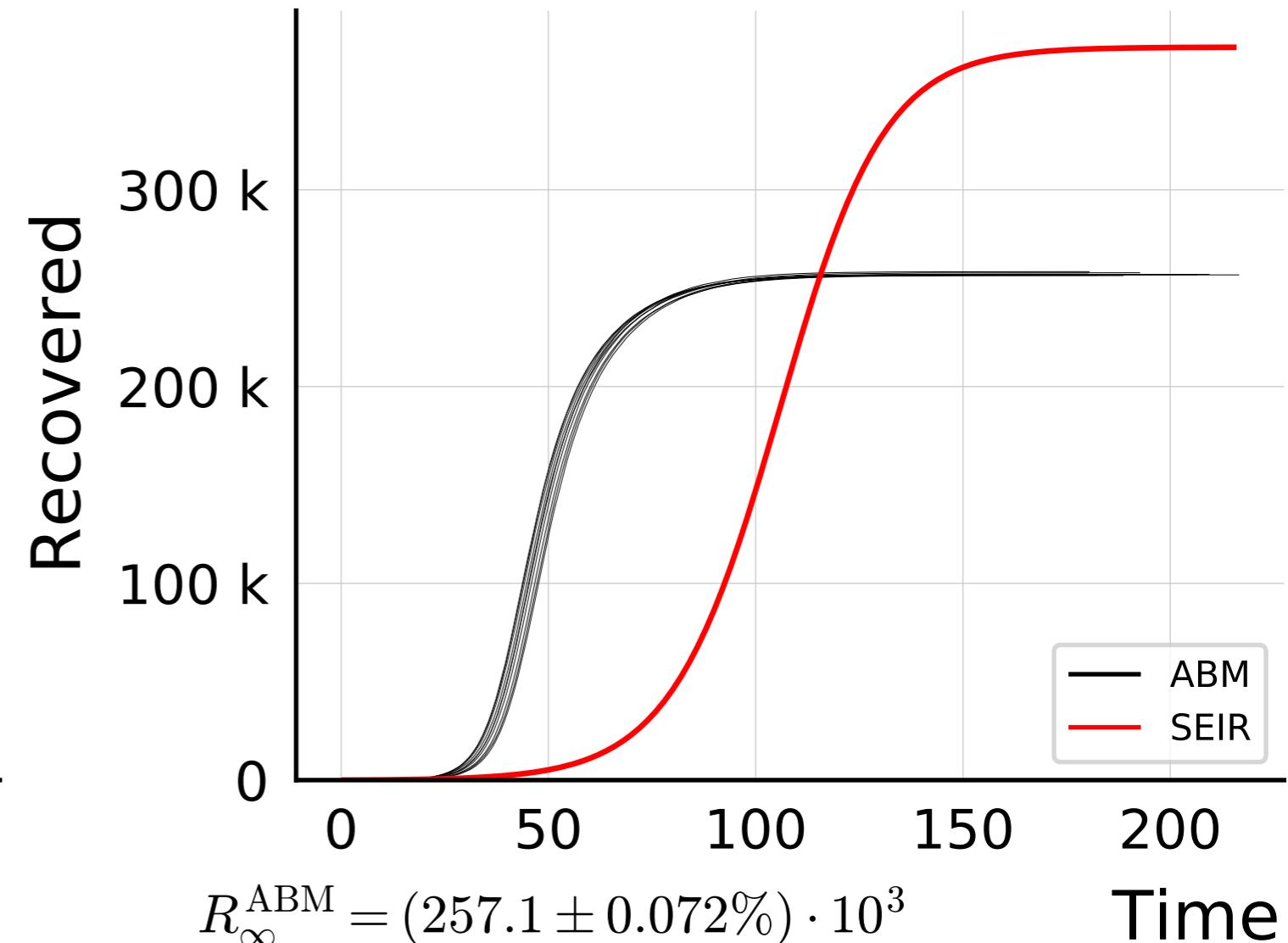
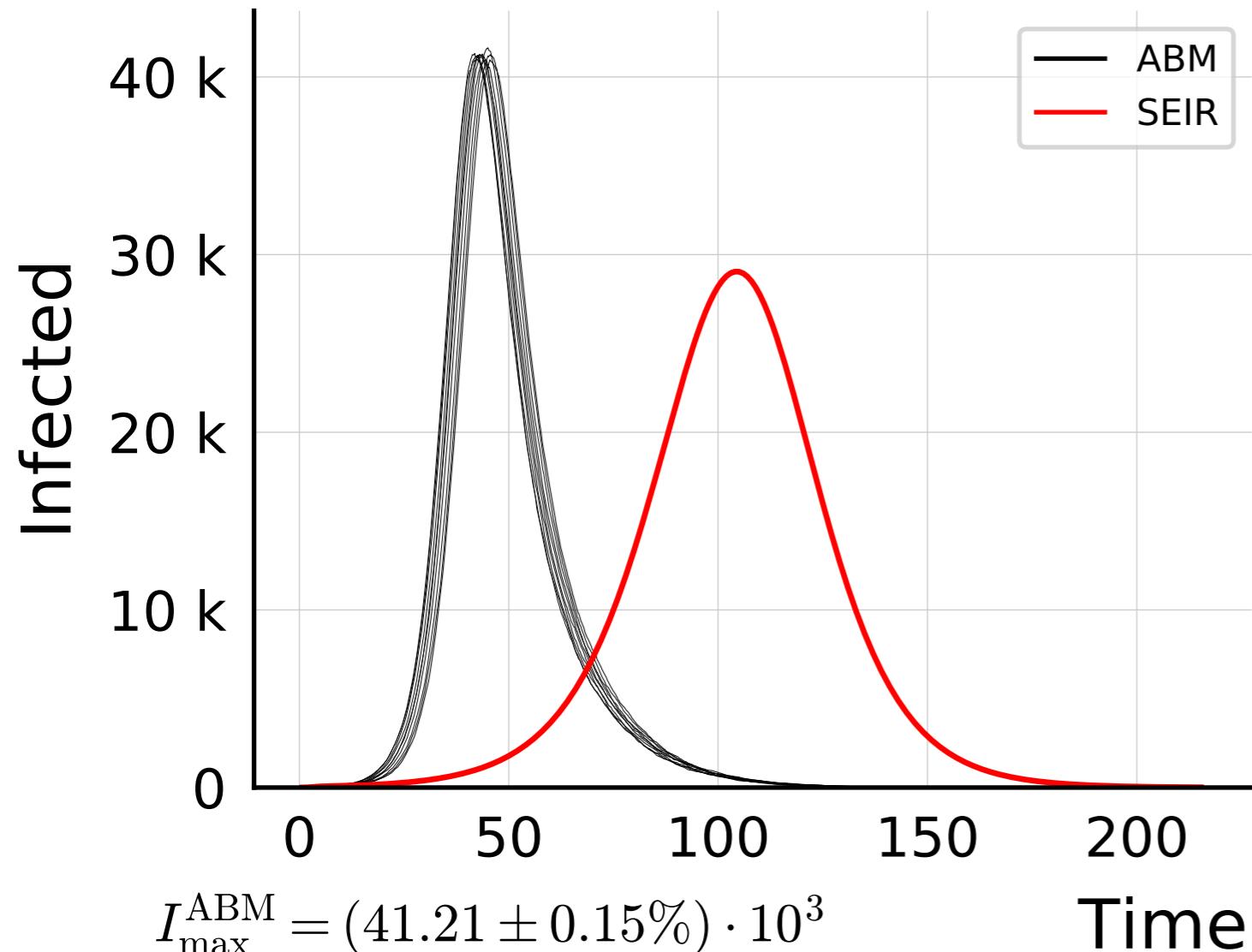
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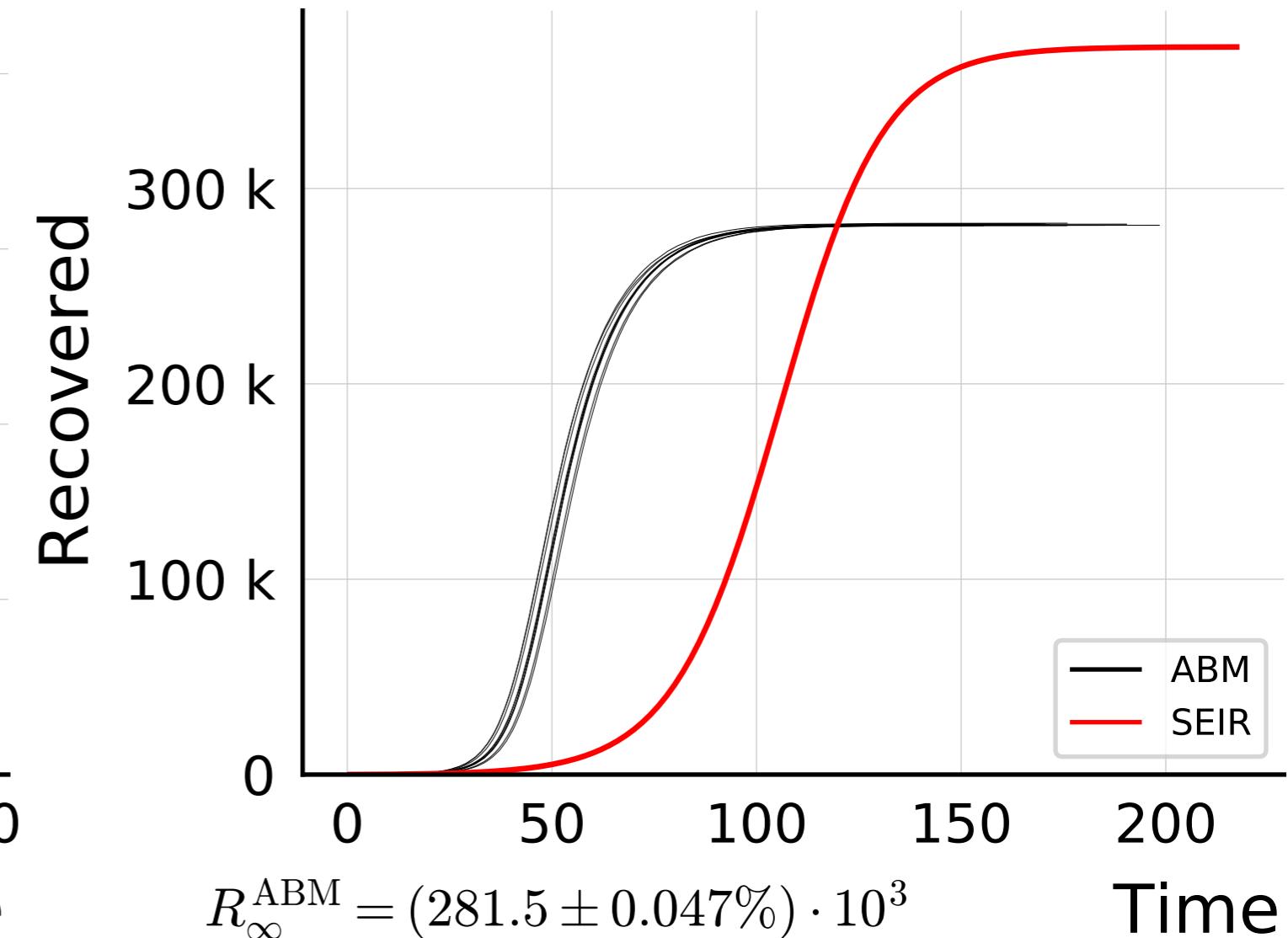
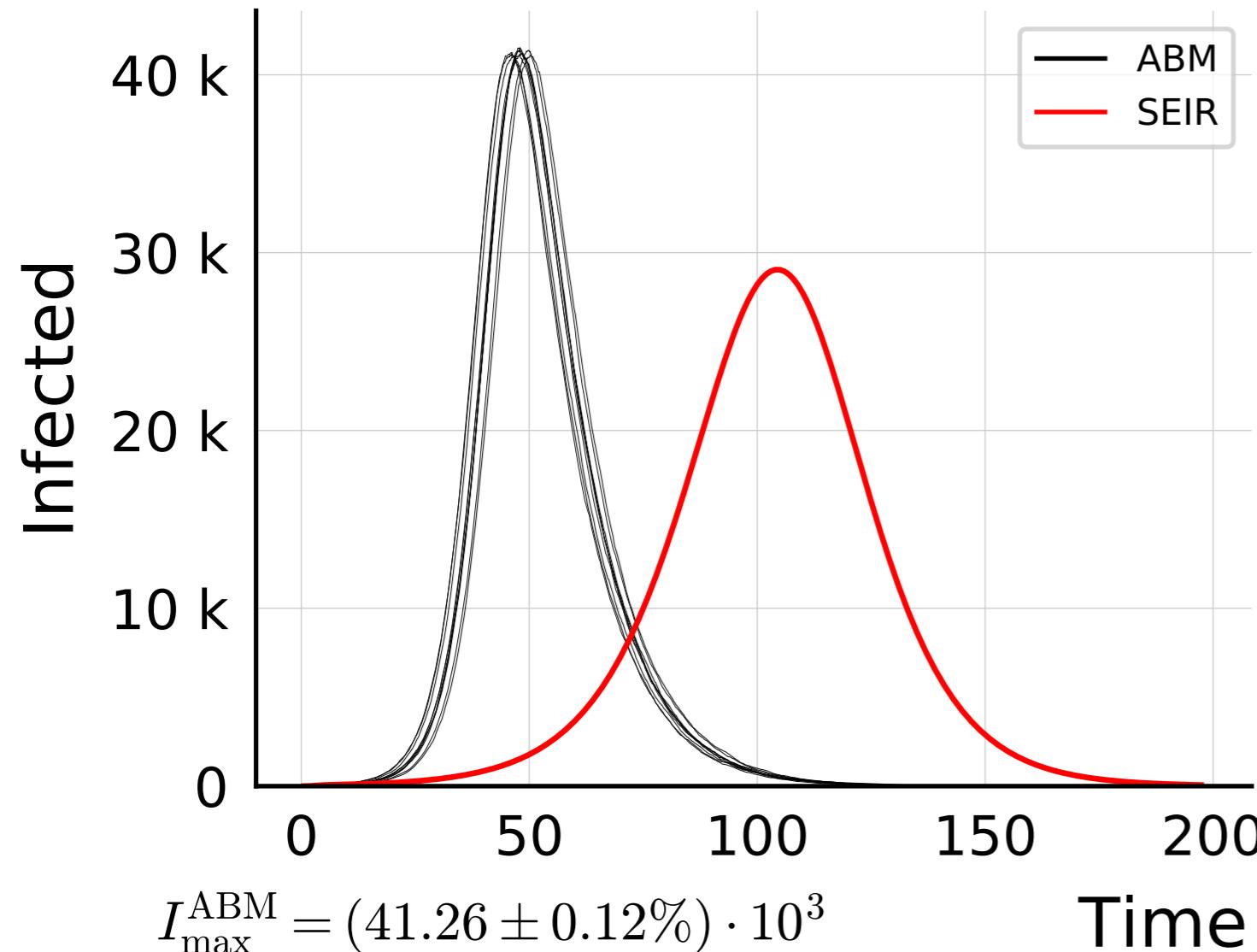
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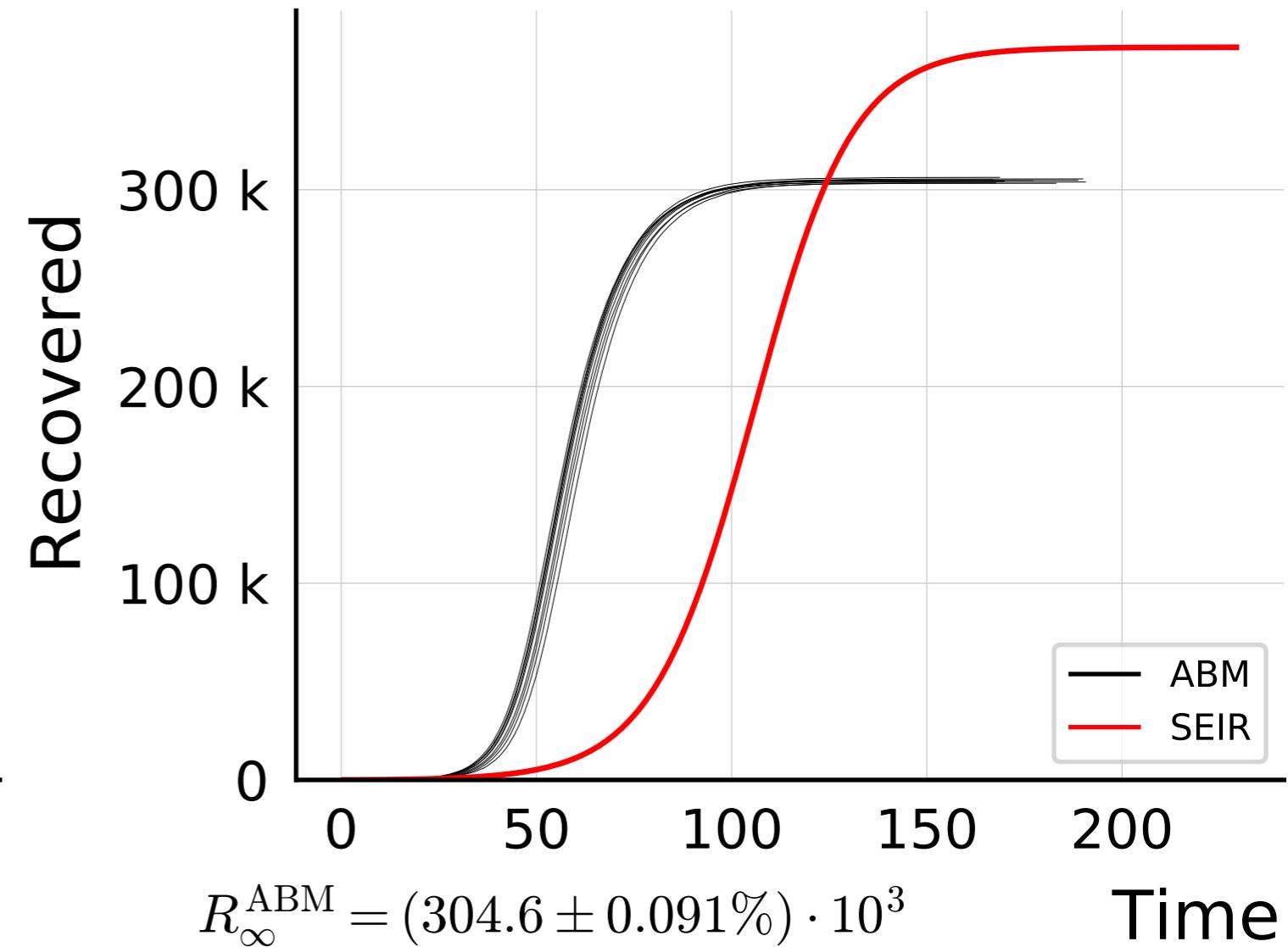
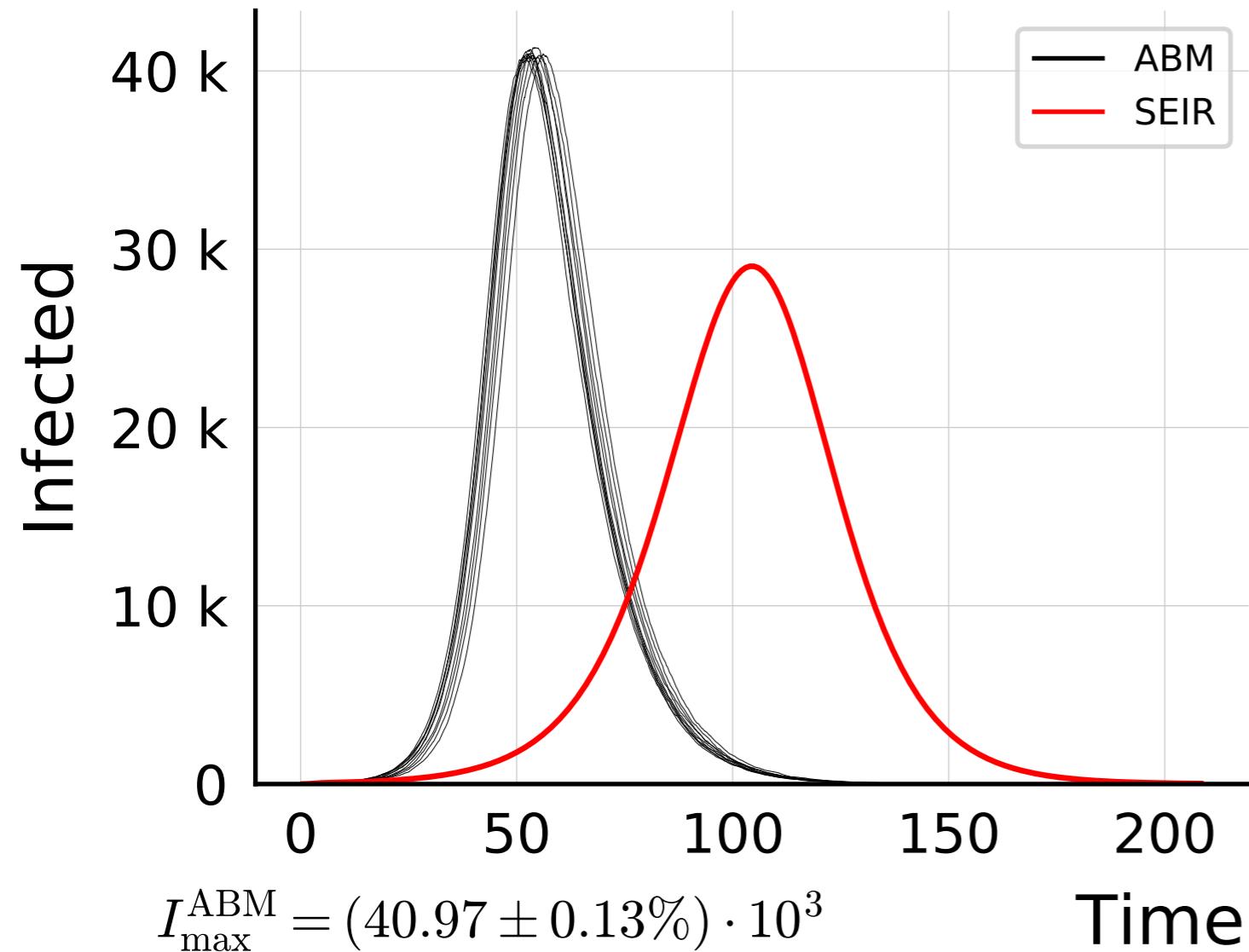
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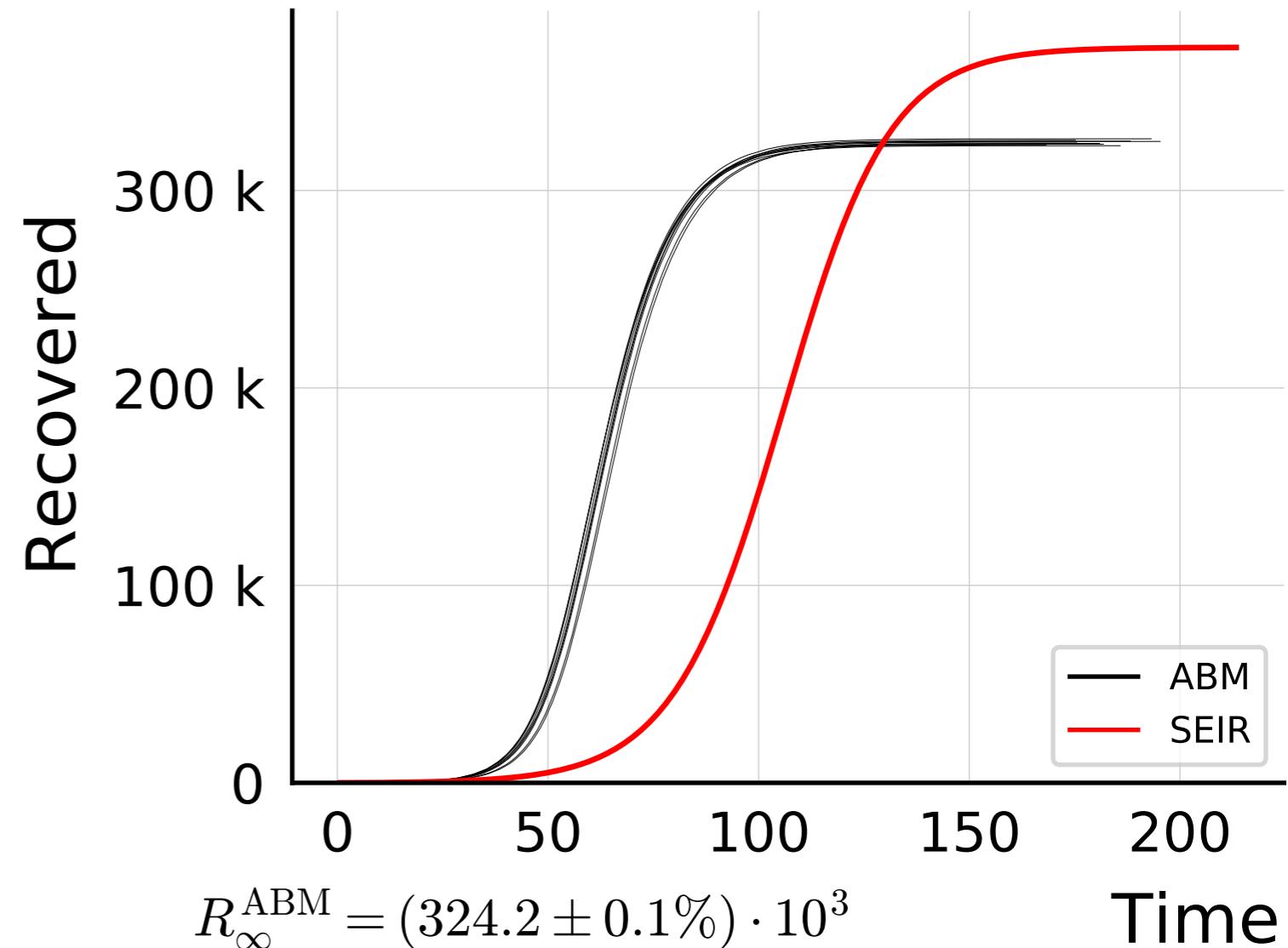
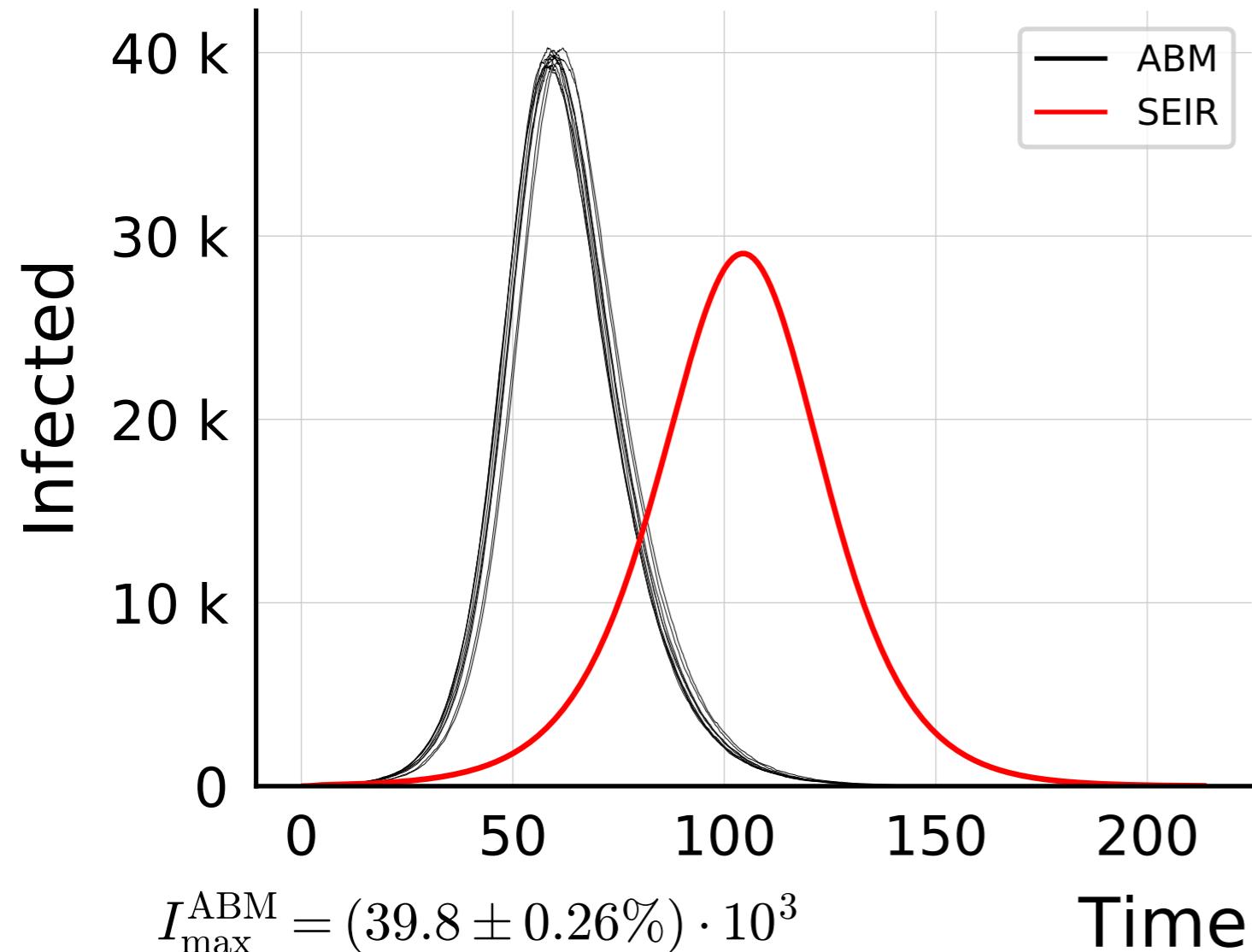
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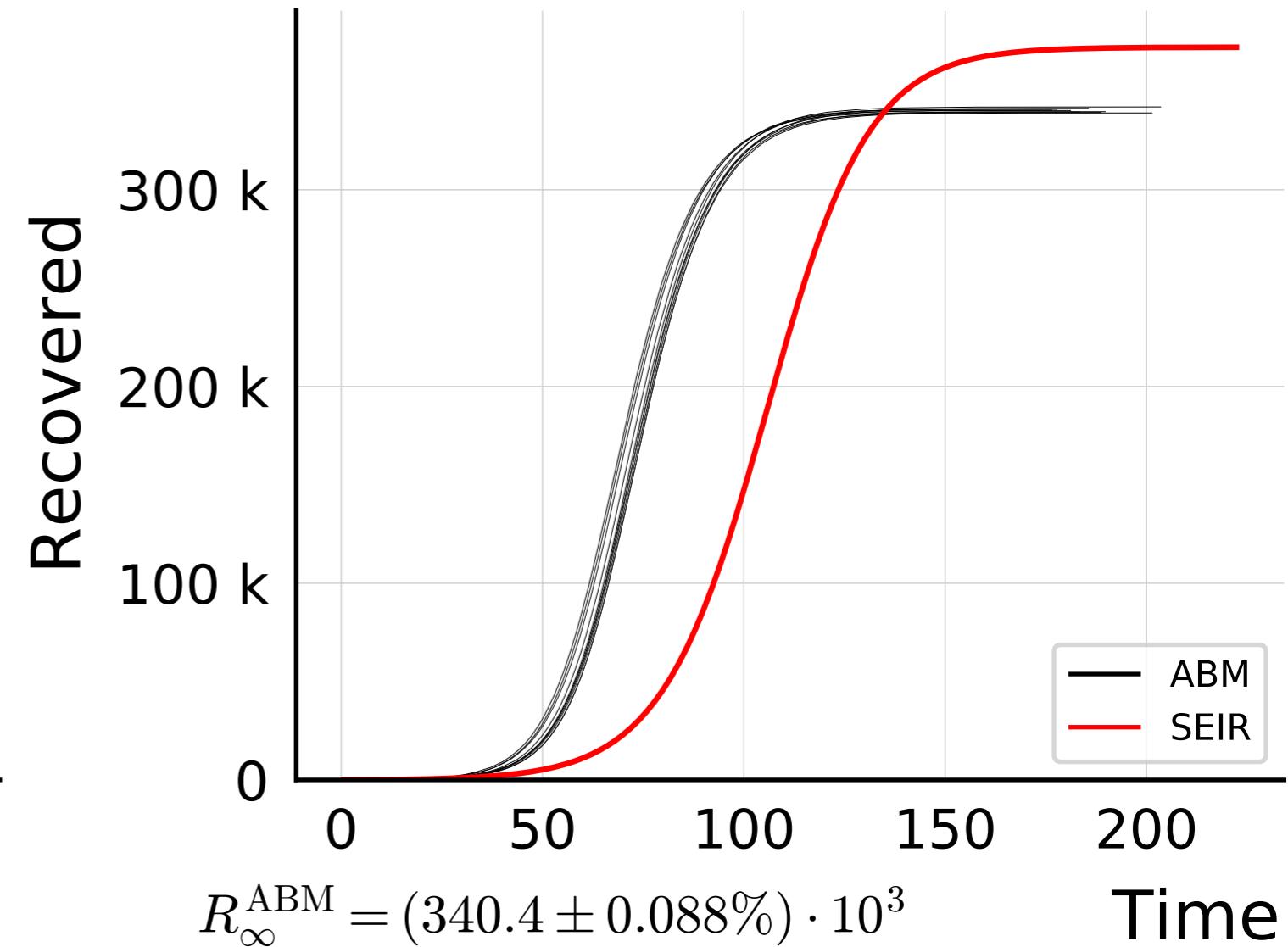
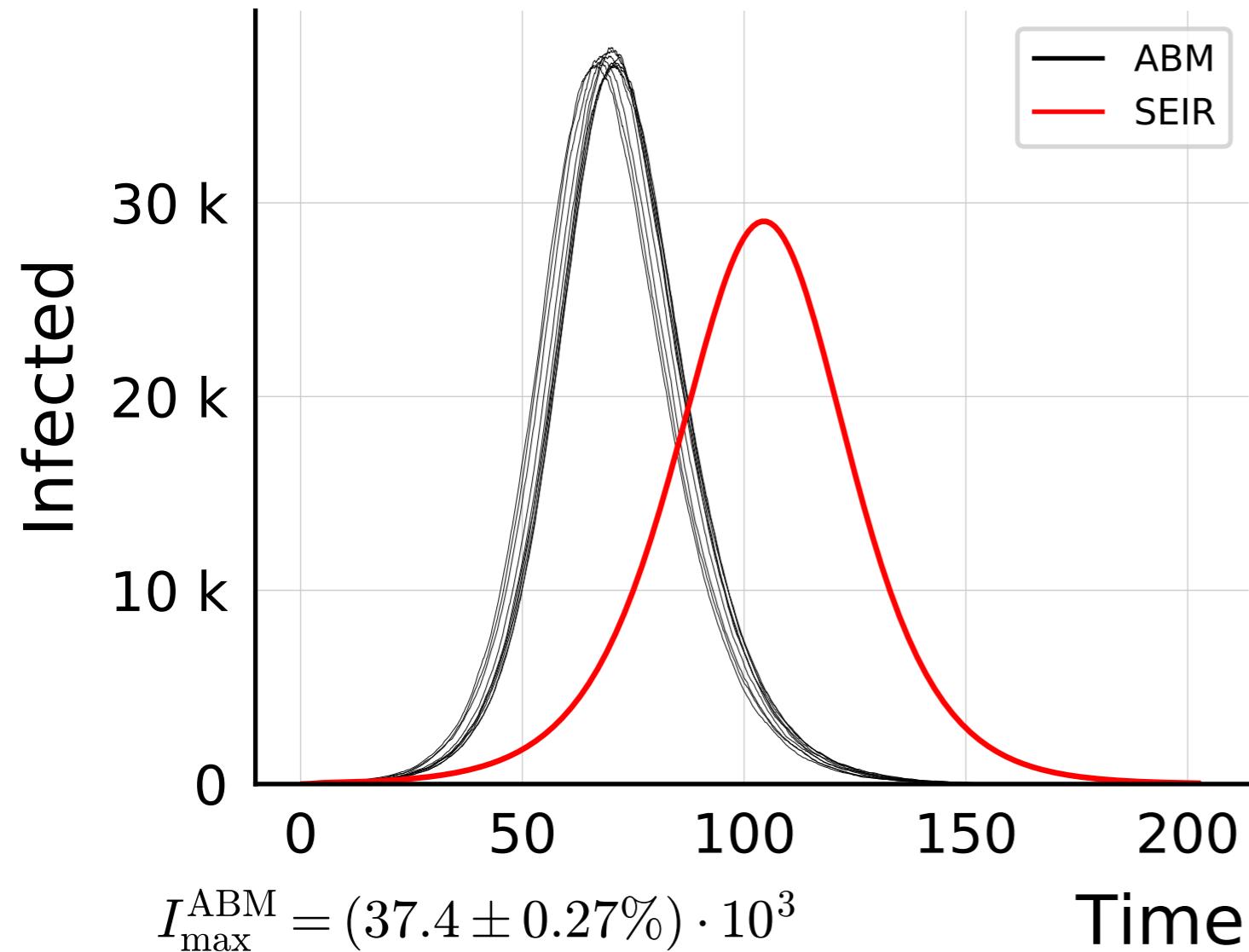
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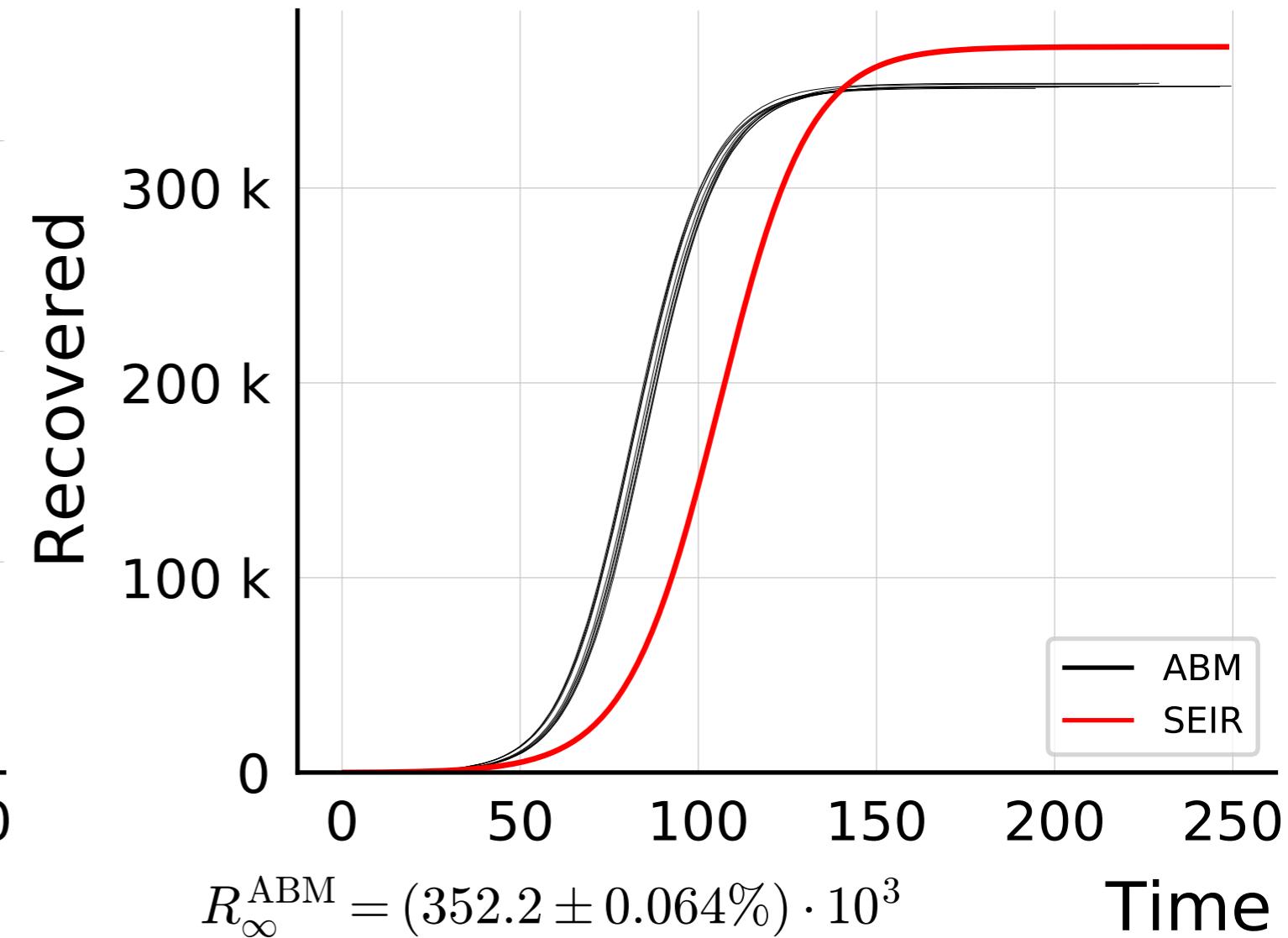
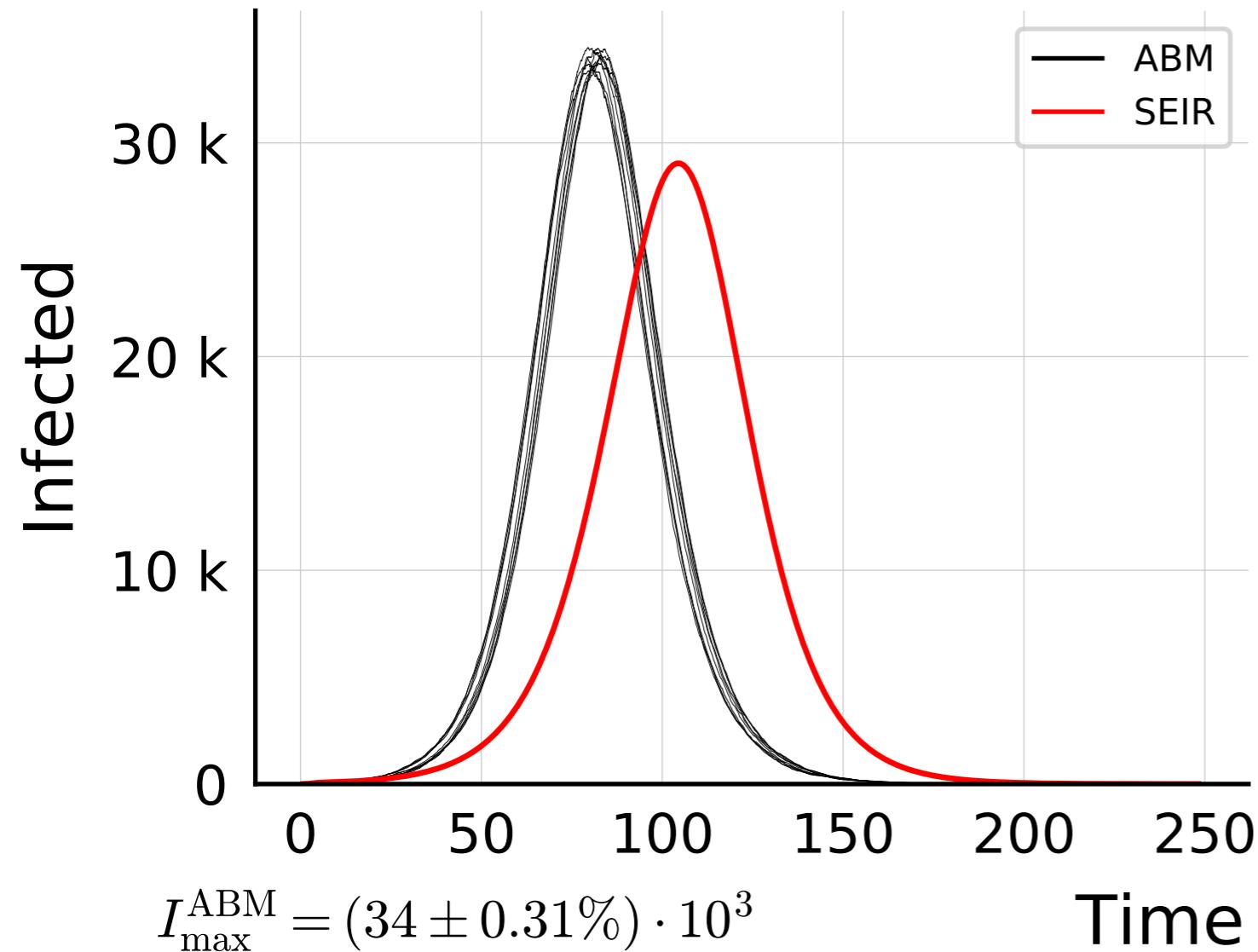
$N_{\text{tot}} = 580K$ ,  $N_{\text{init}} = 100$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.5$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , algo = 2, #10



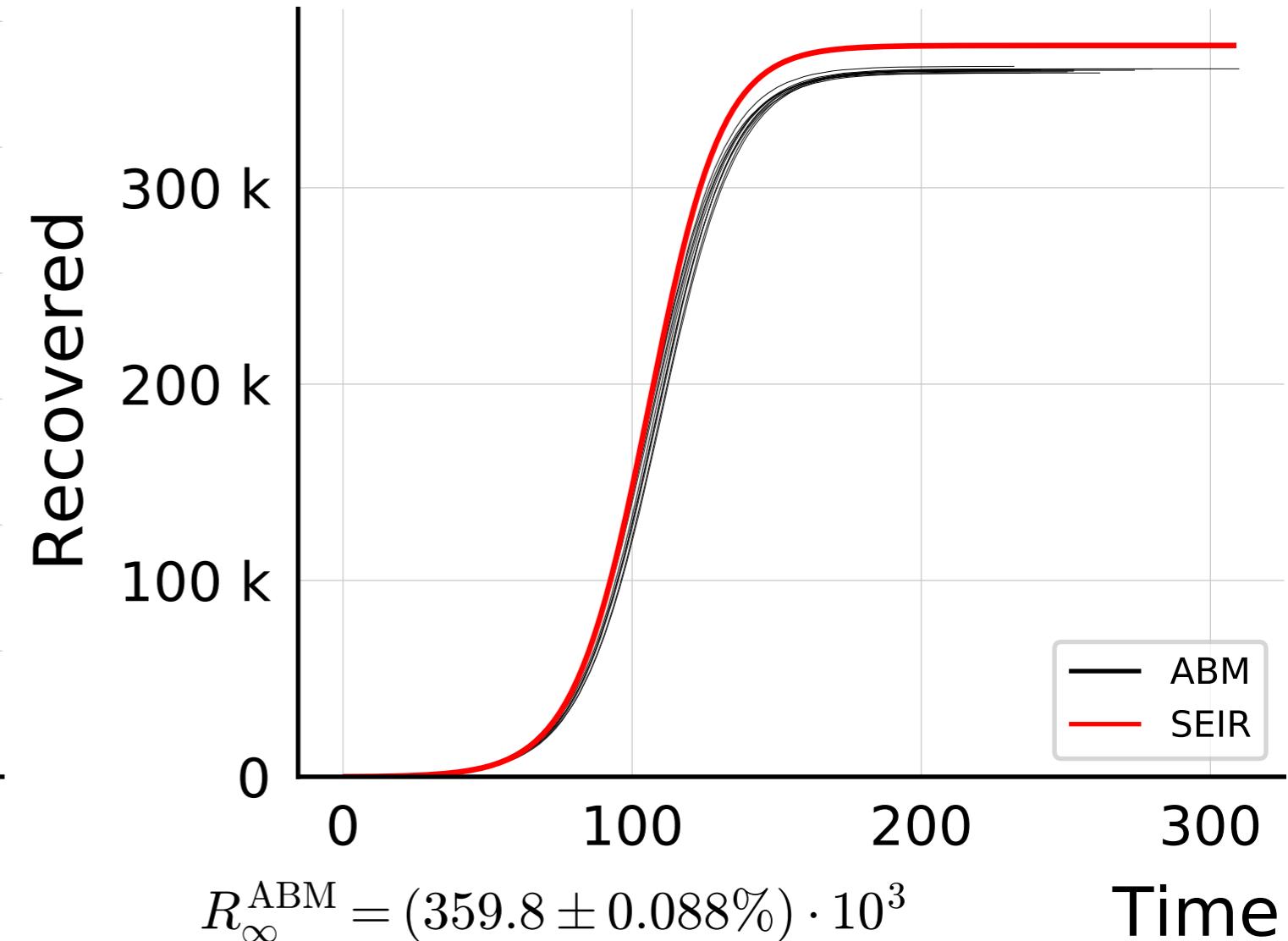
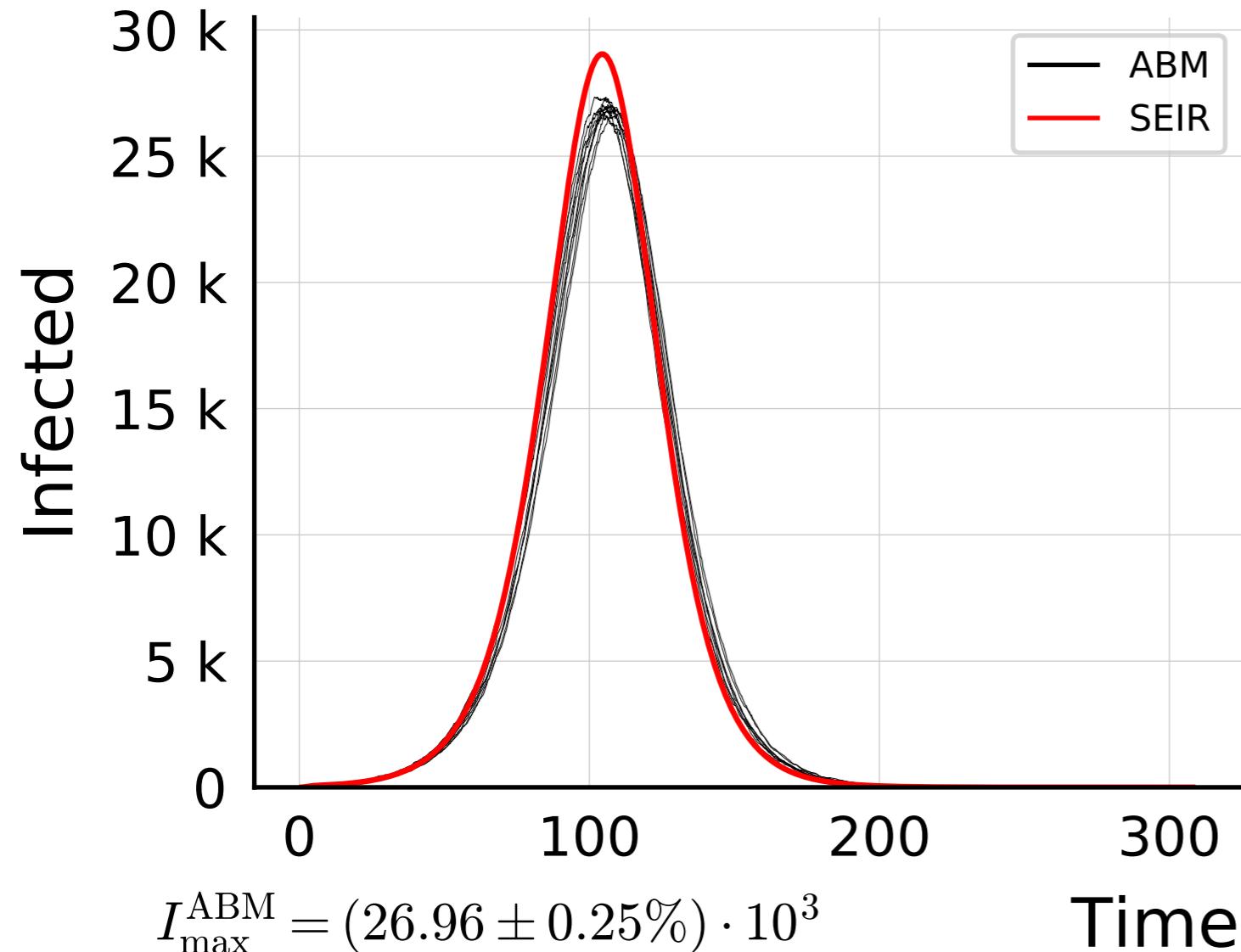
$N_{\text{tot}} = 580K$ ,  $N_{\text{init}} = 100$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.6$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , algo = 2, #10



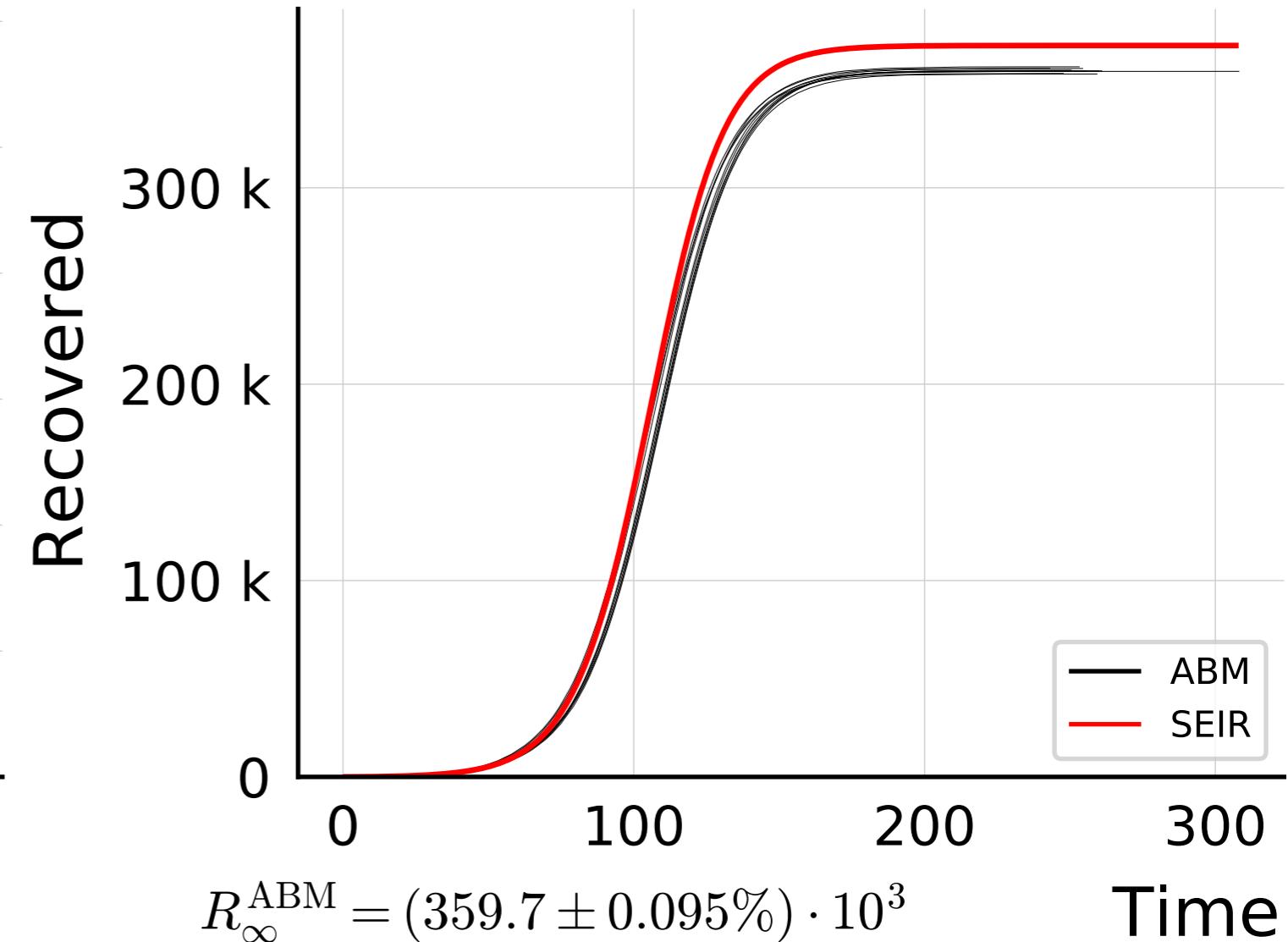
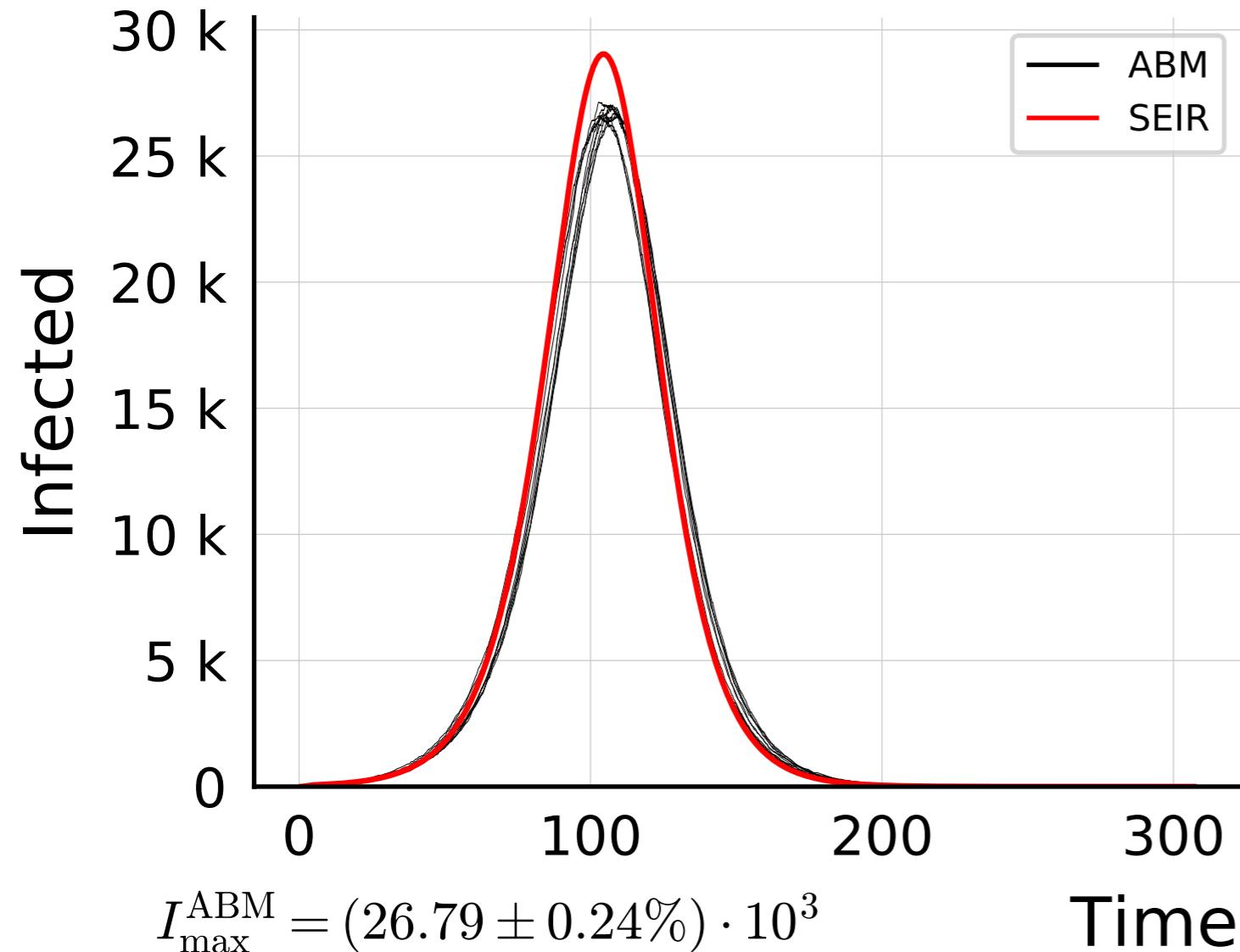
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 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , algo = 2, #10



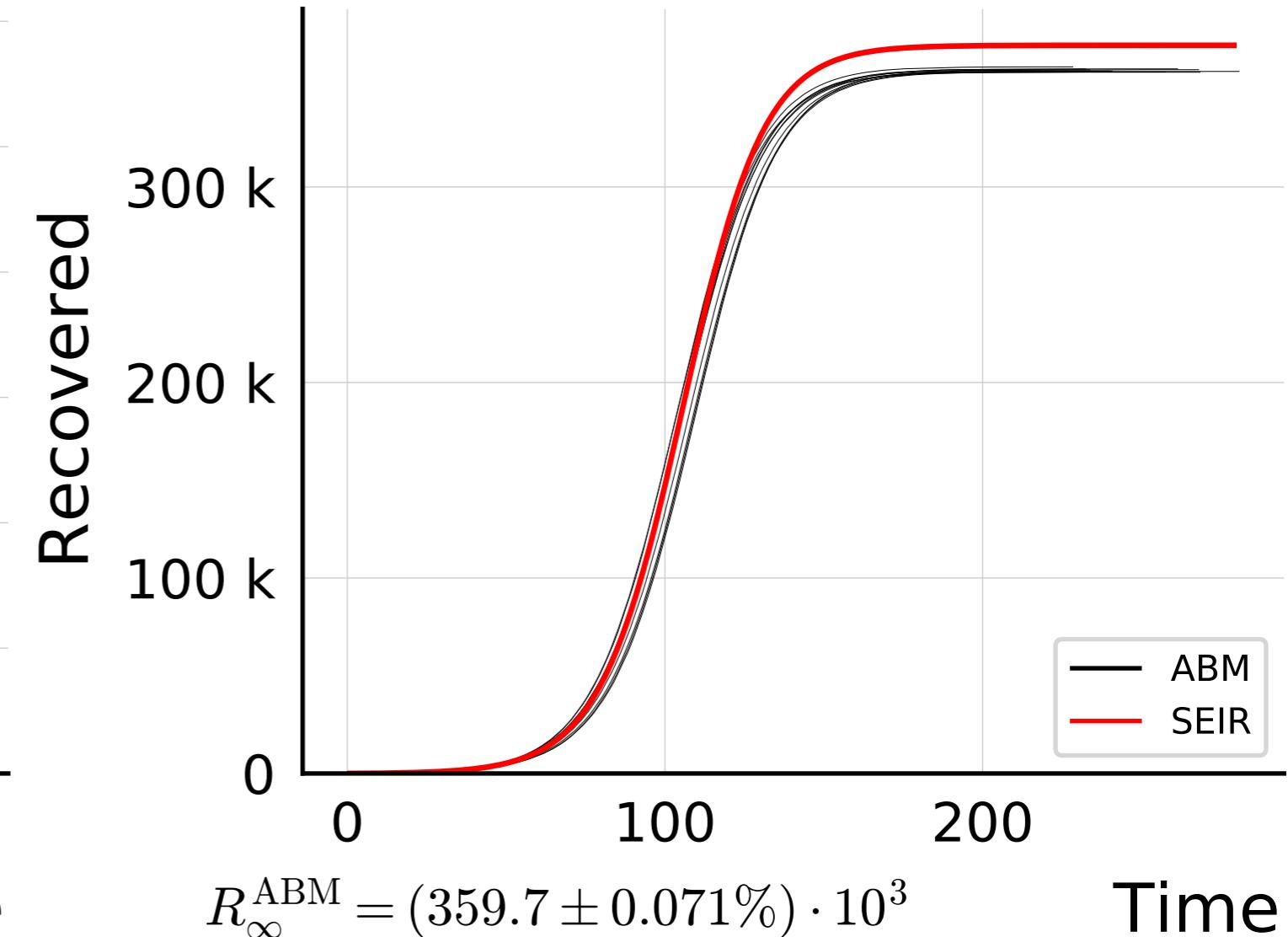
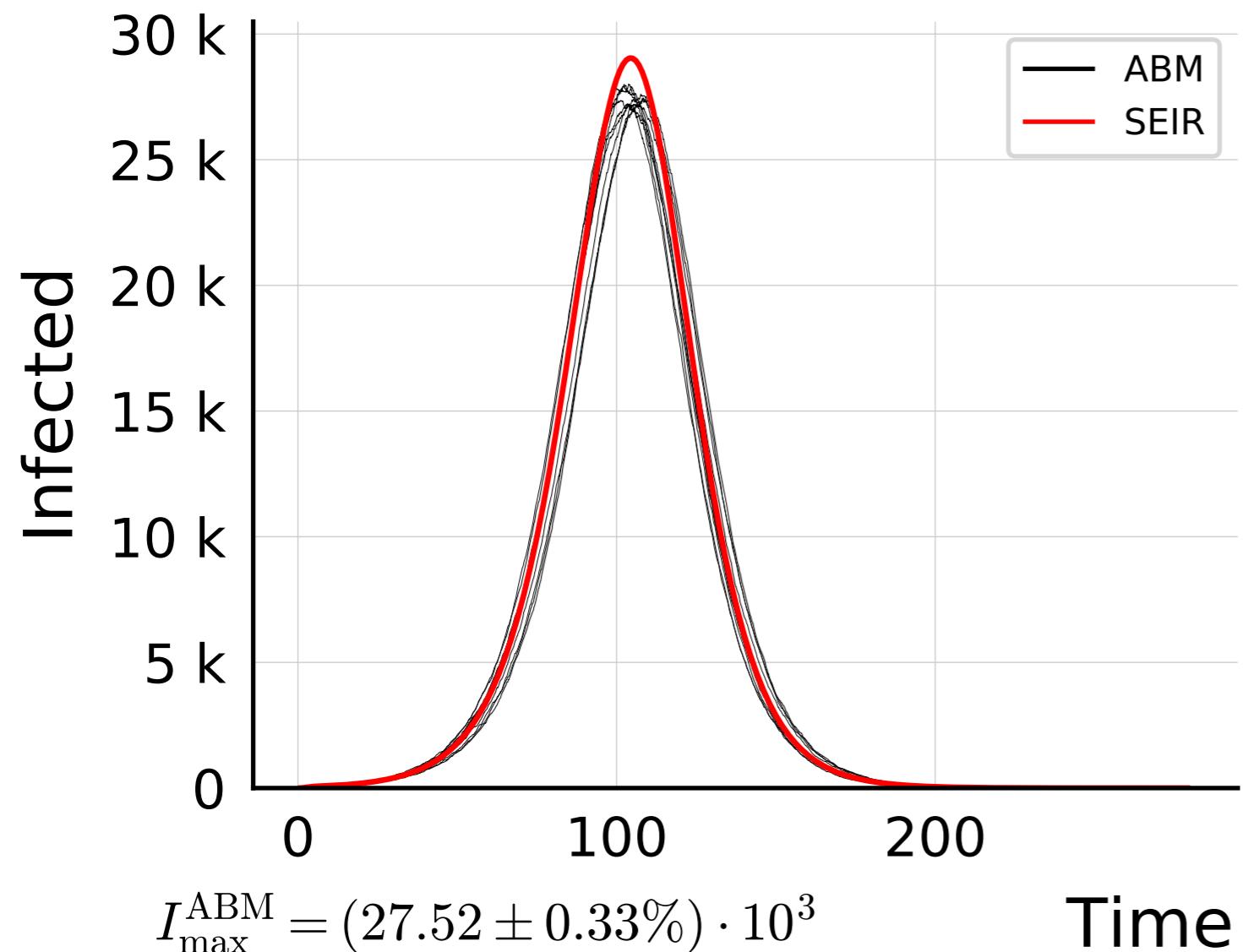
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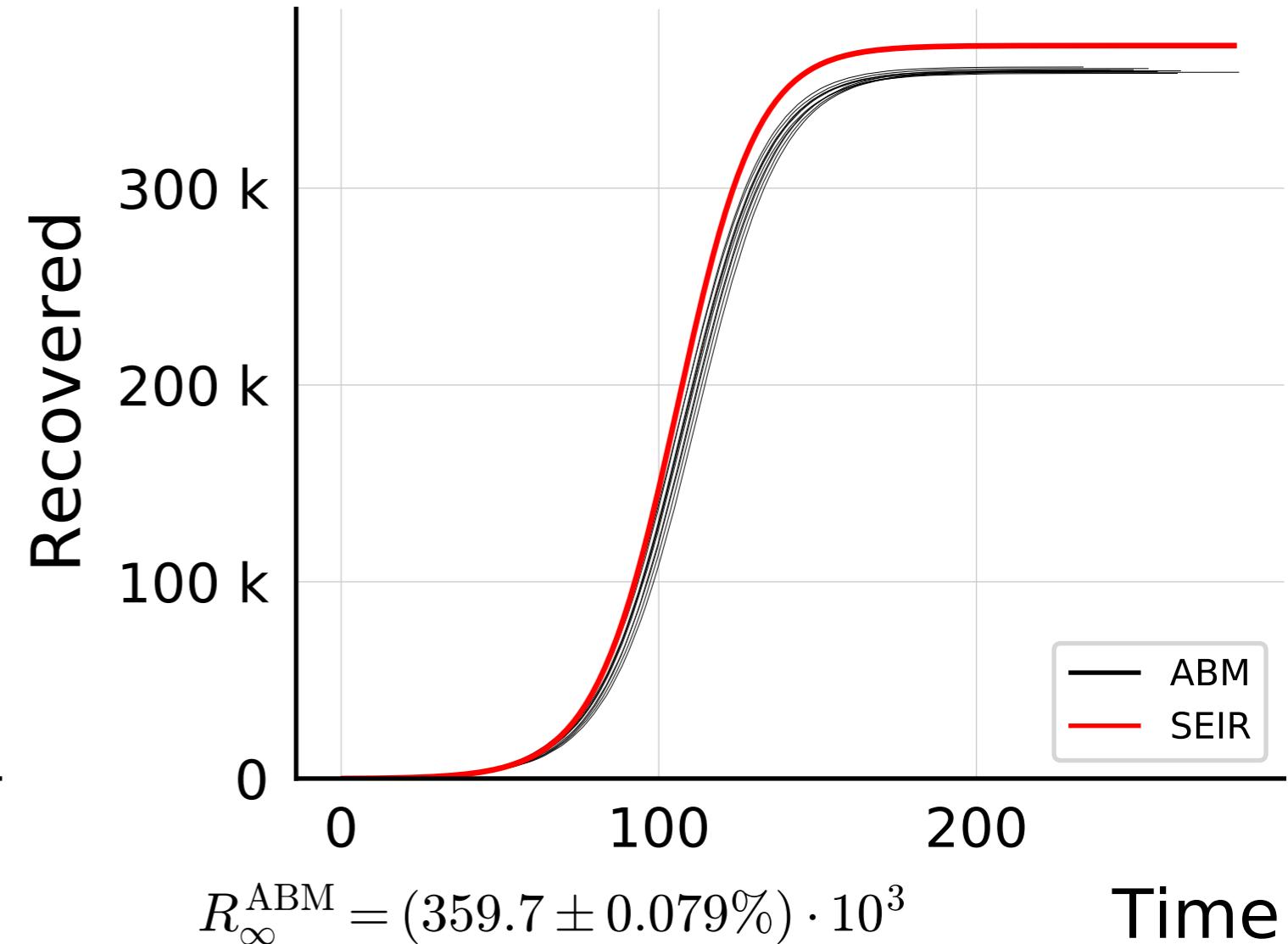
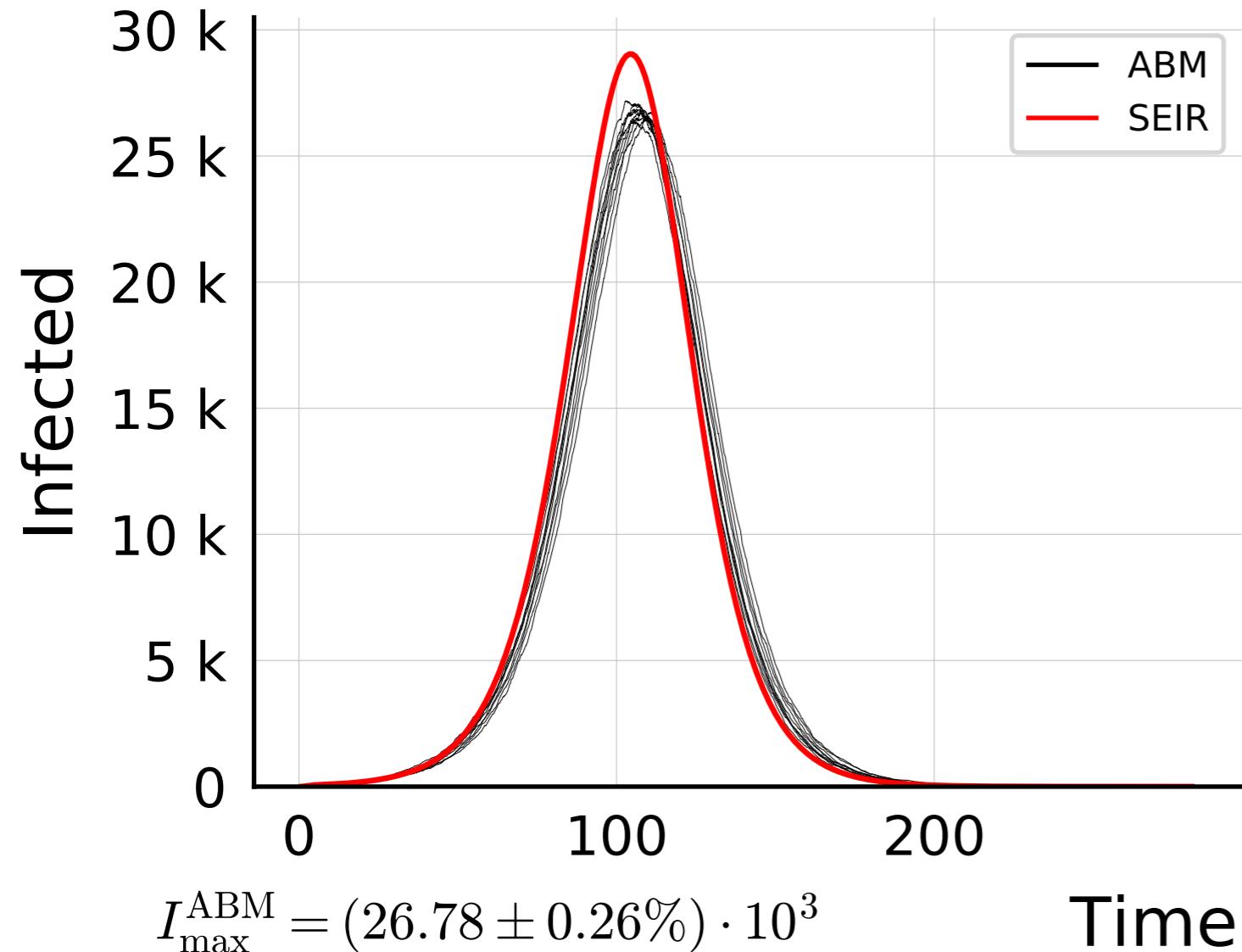
$N_{\text{tot}} = 580K$ ,  $N_{\text{init}} = 100$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.99$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , algo = 2, #10



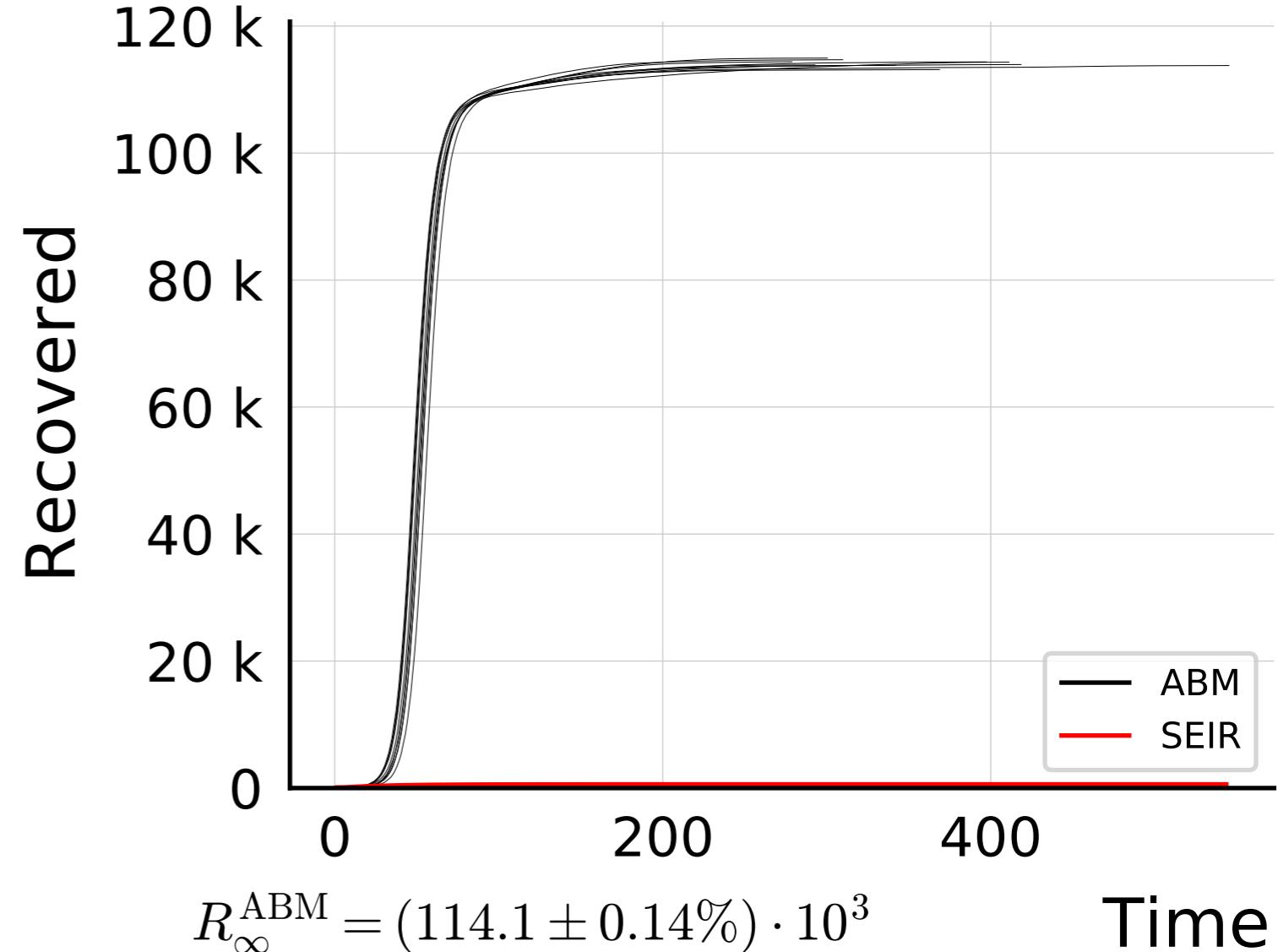
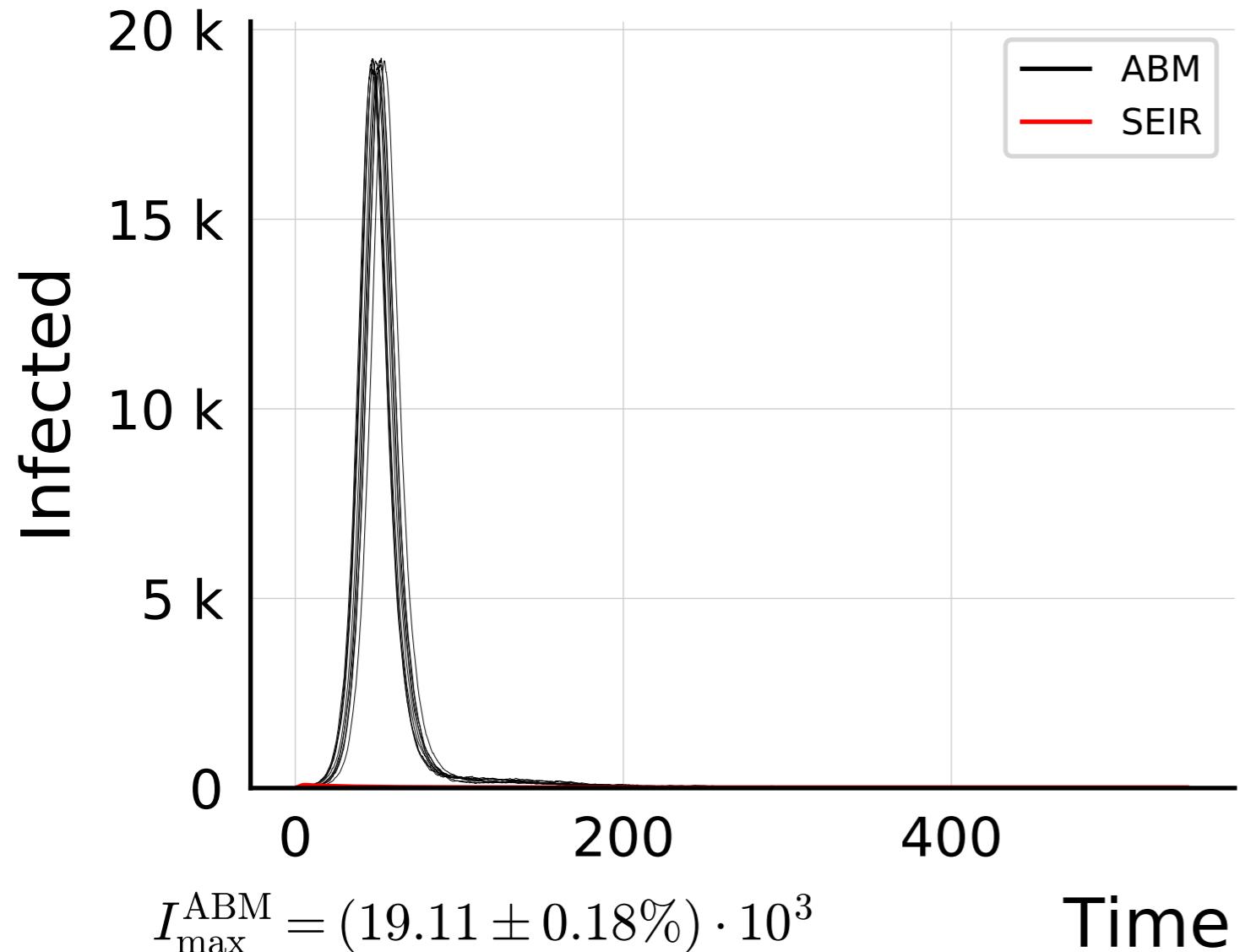
$N_{\text{tot}} = 580K$ ,  $N_{\text{init}} = 100$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.9$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , algo = 2, #10



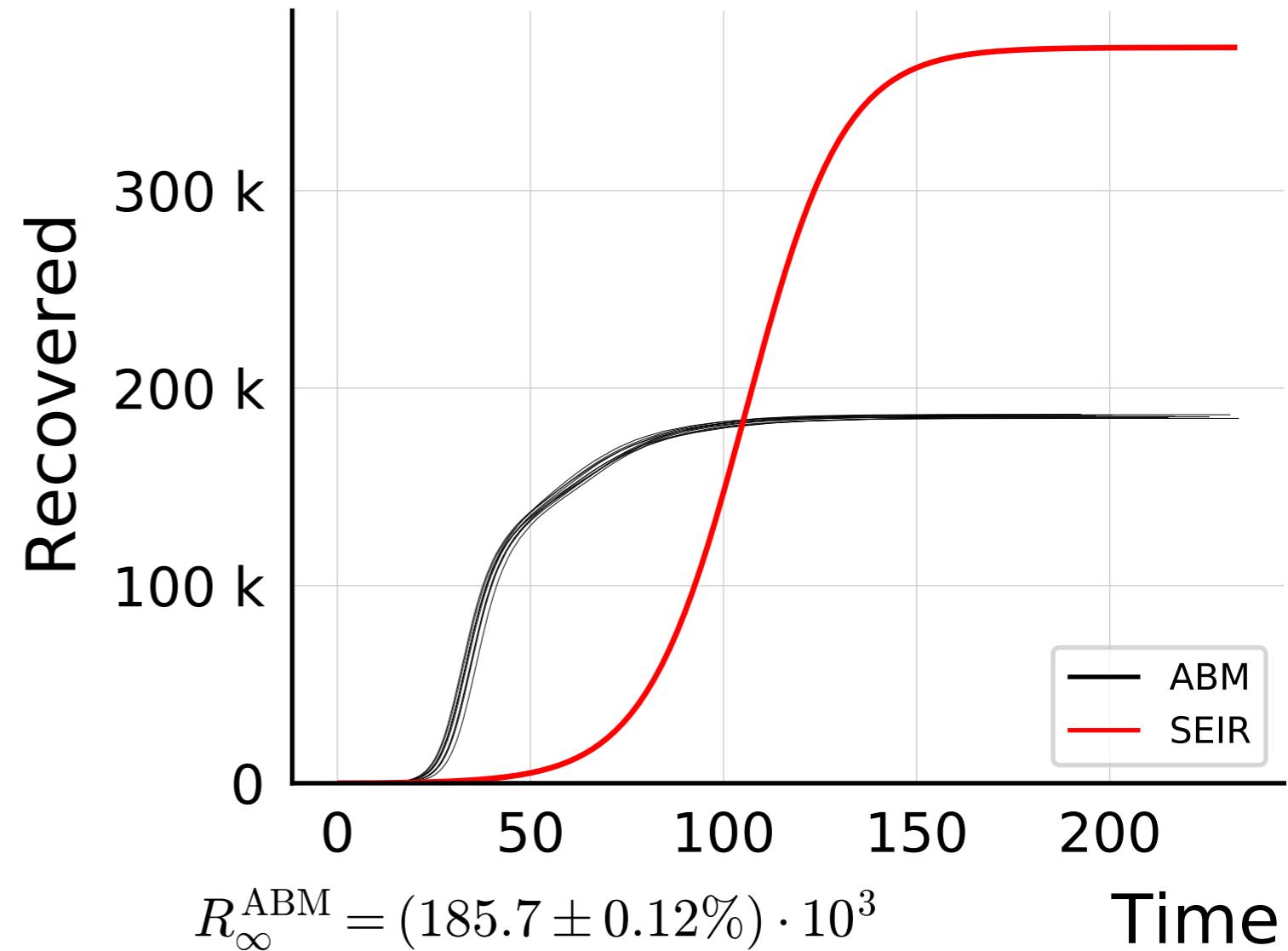
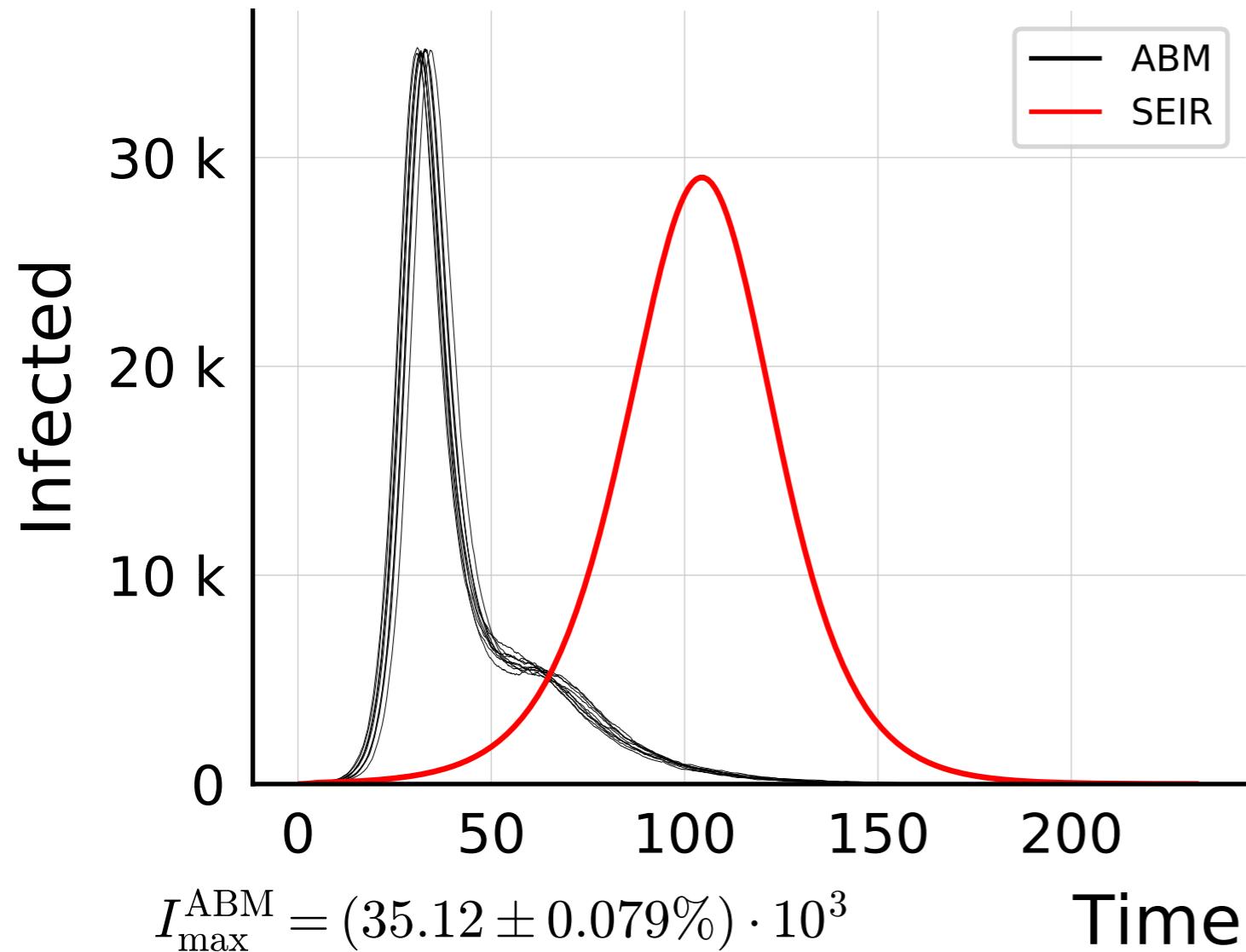
$N_{\text{tot}} = 580K$ ,  $N_{\text{init}} = 100$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 1.0$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , algo = 2, #10



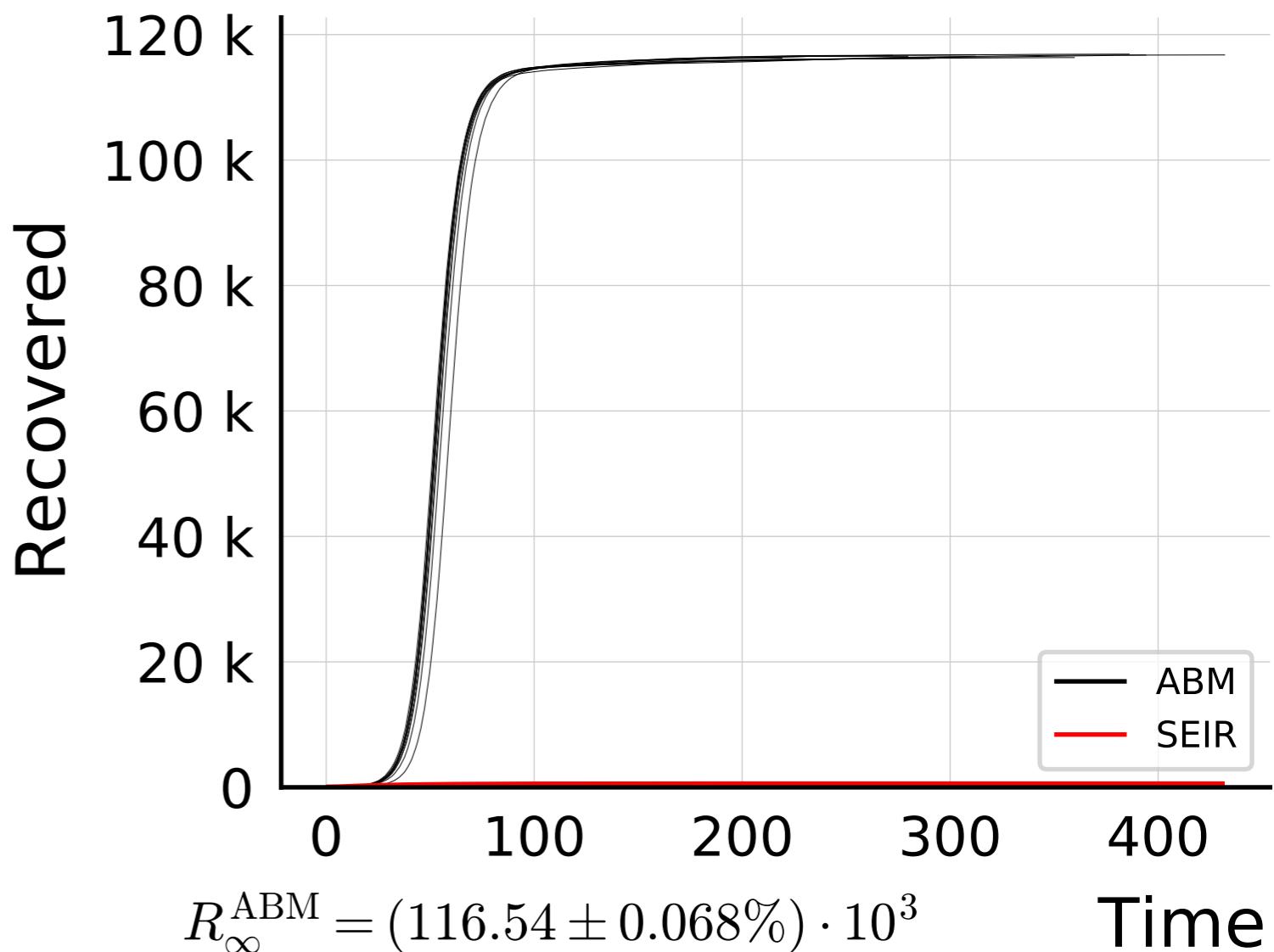
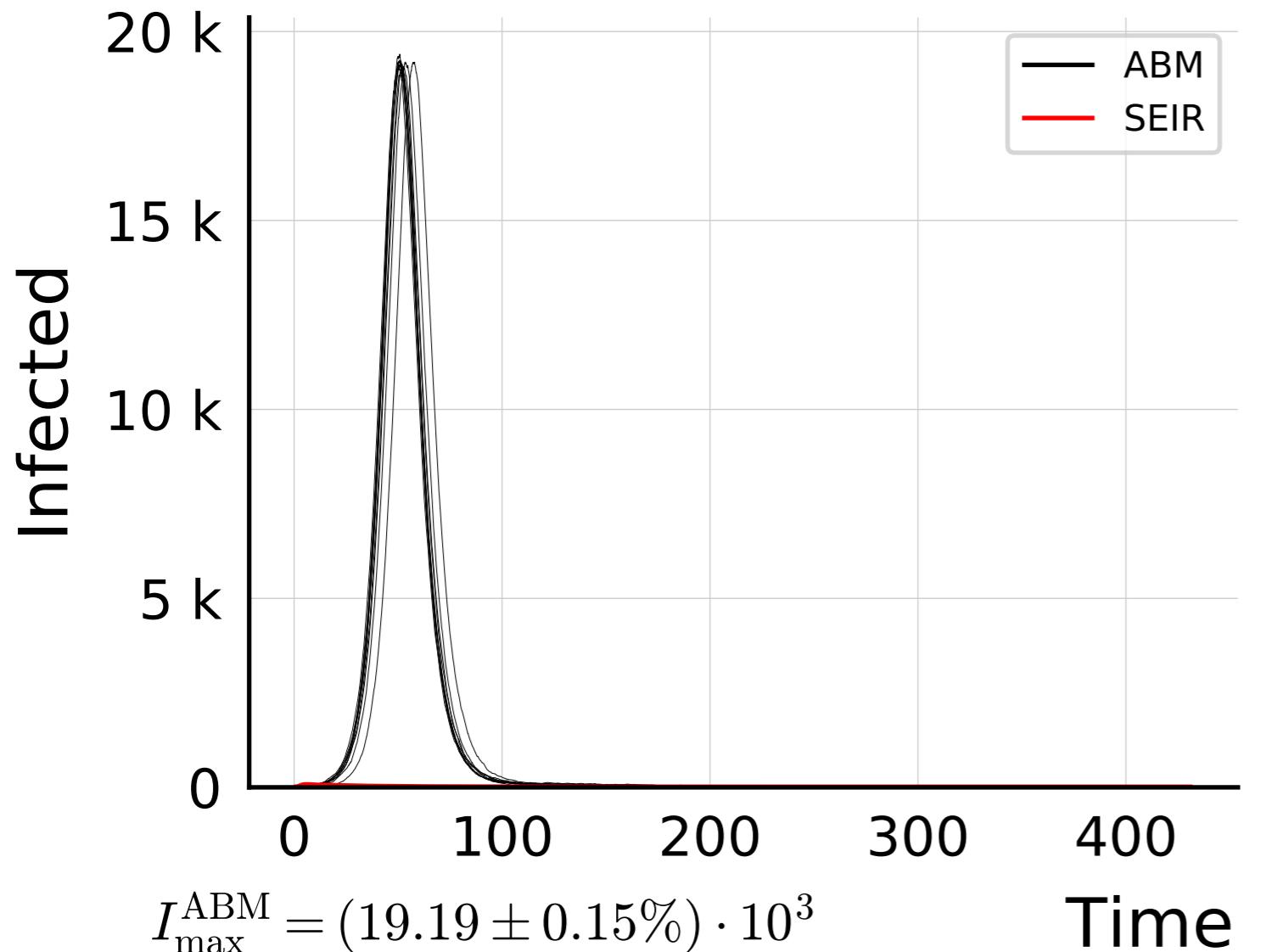
$N_{\text{tot}} = 580K$ ,  $N_{\text{init}} = 100$ ,  $\rho = 0.25$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.005$ ,  $\sigma_\beta = 0.0$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , algo = 2, #10



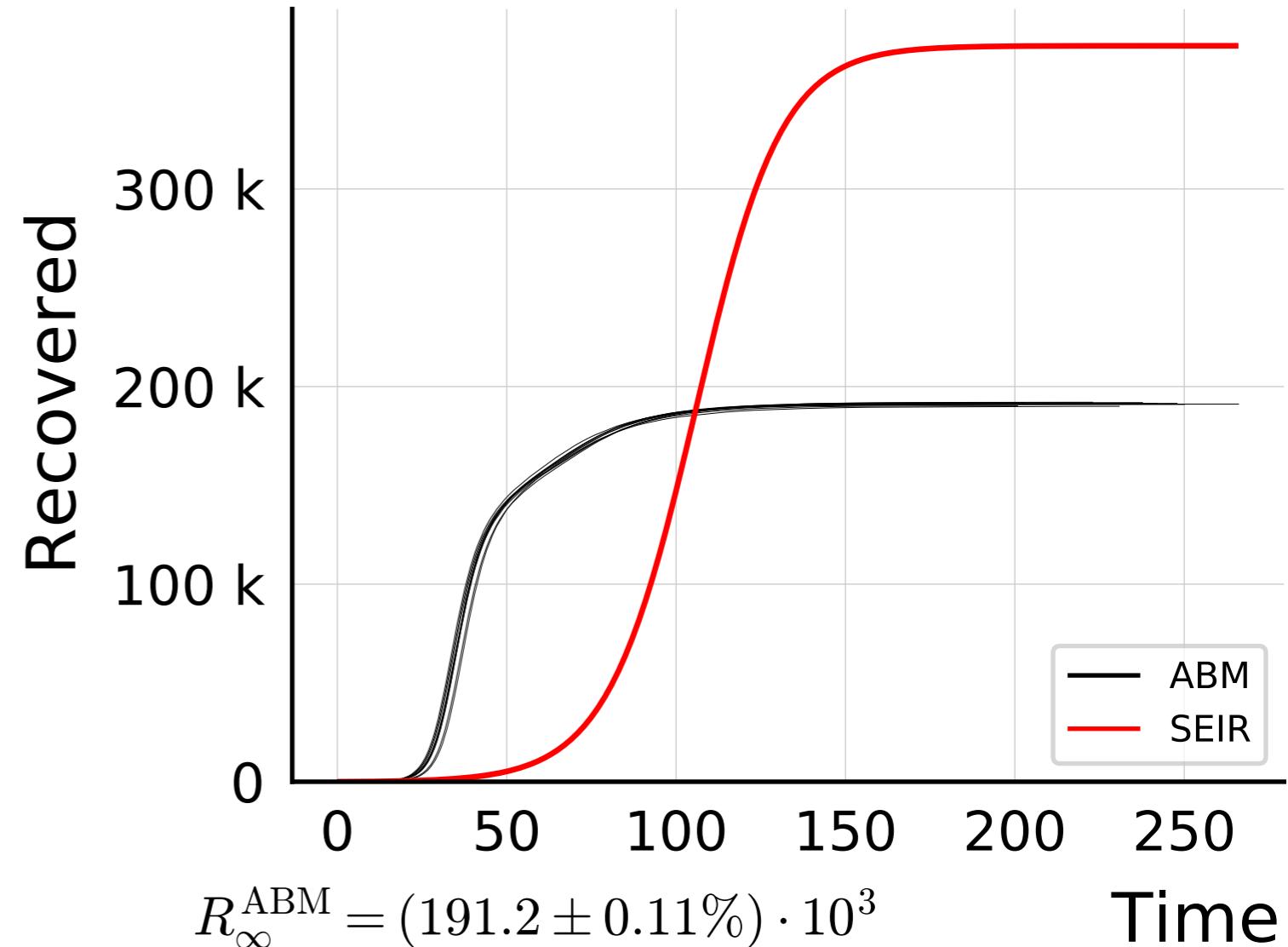
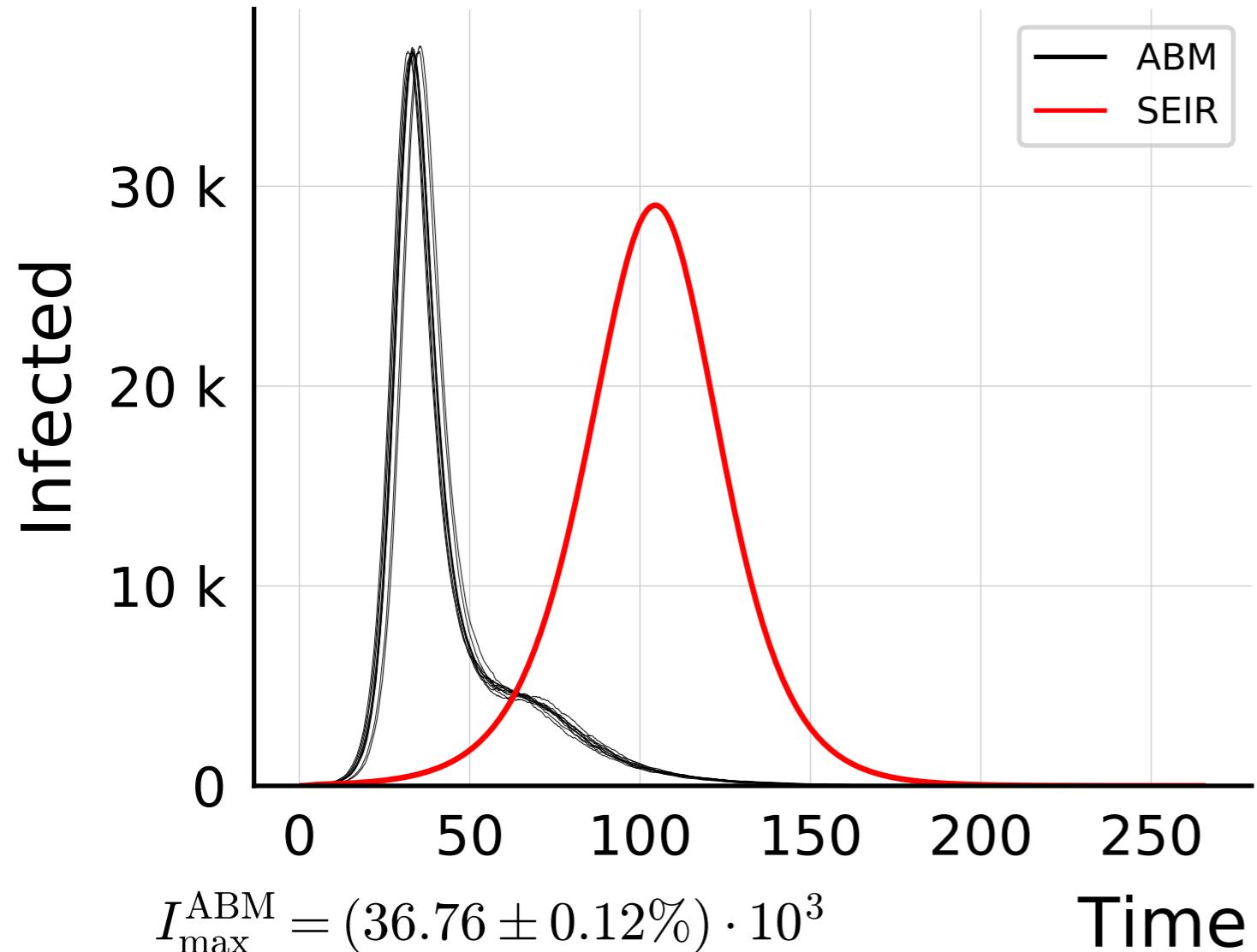
$N_{\text{tot}} = 580K$ ,  $N_{\text{init}} = 100$ ,  $\rho = 0.25$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , algo = 2, #10



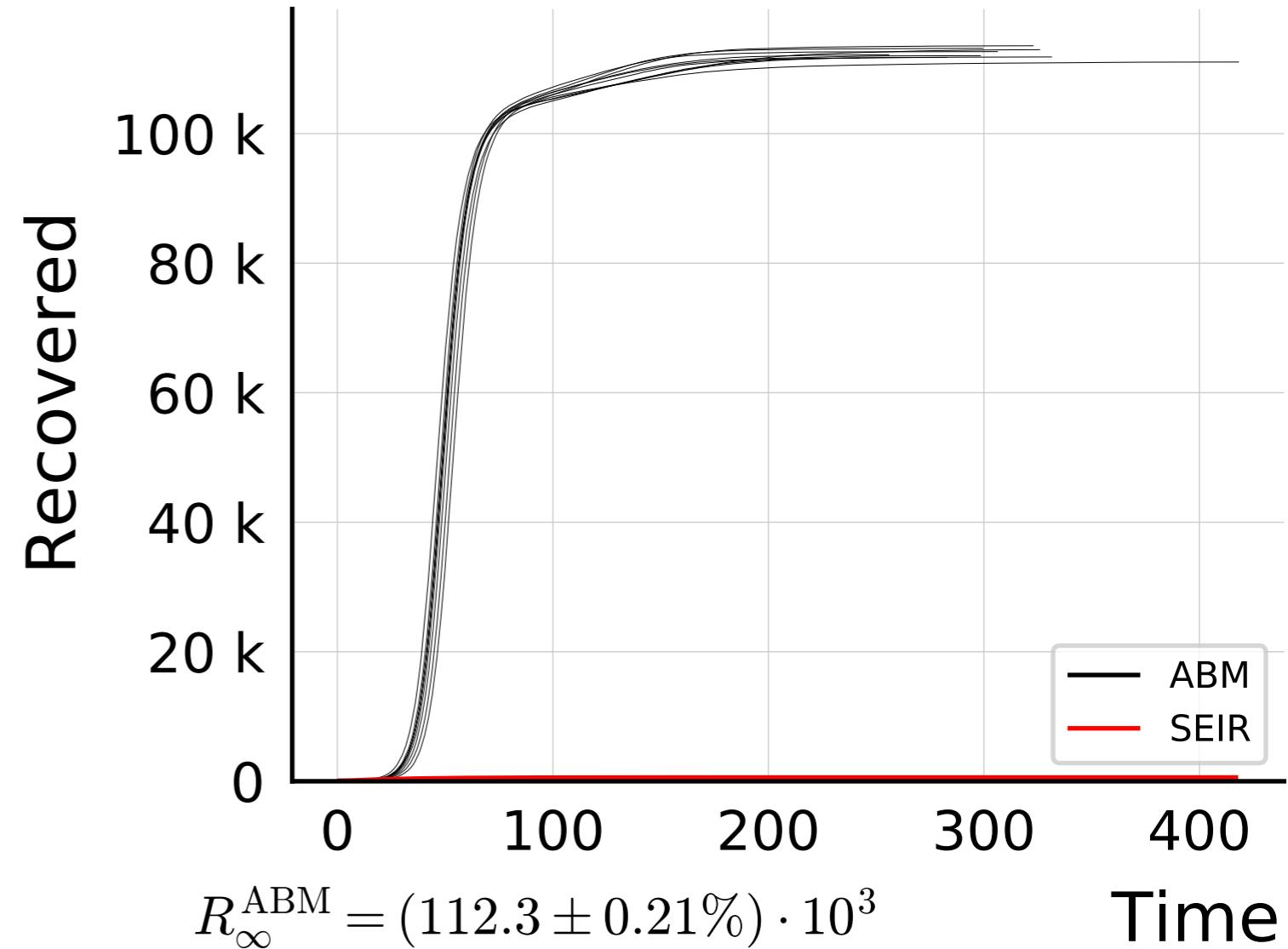
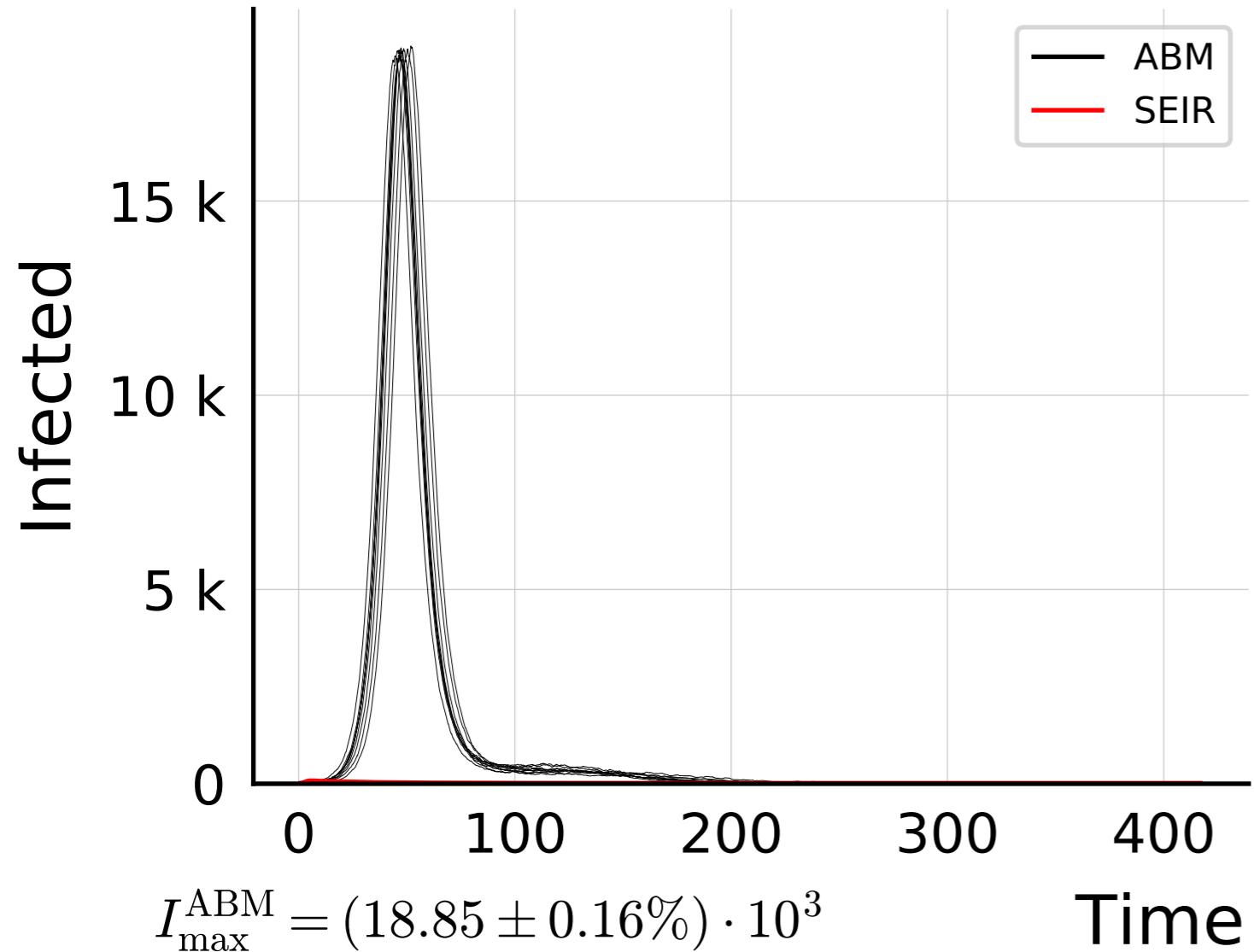
$N_{\text{tot}} = 580K$ ,  $N_{\text{init}} = 100$ ,  $\rho = 0.2$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.005$ ,  $\sigma_\beta = 0.0$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , algo = 2, #10



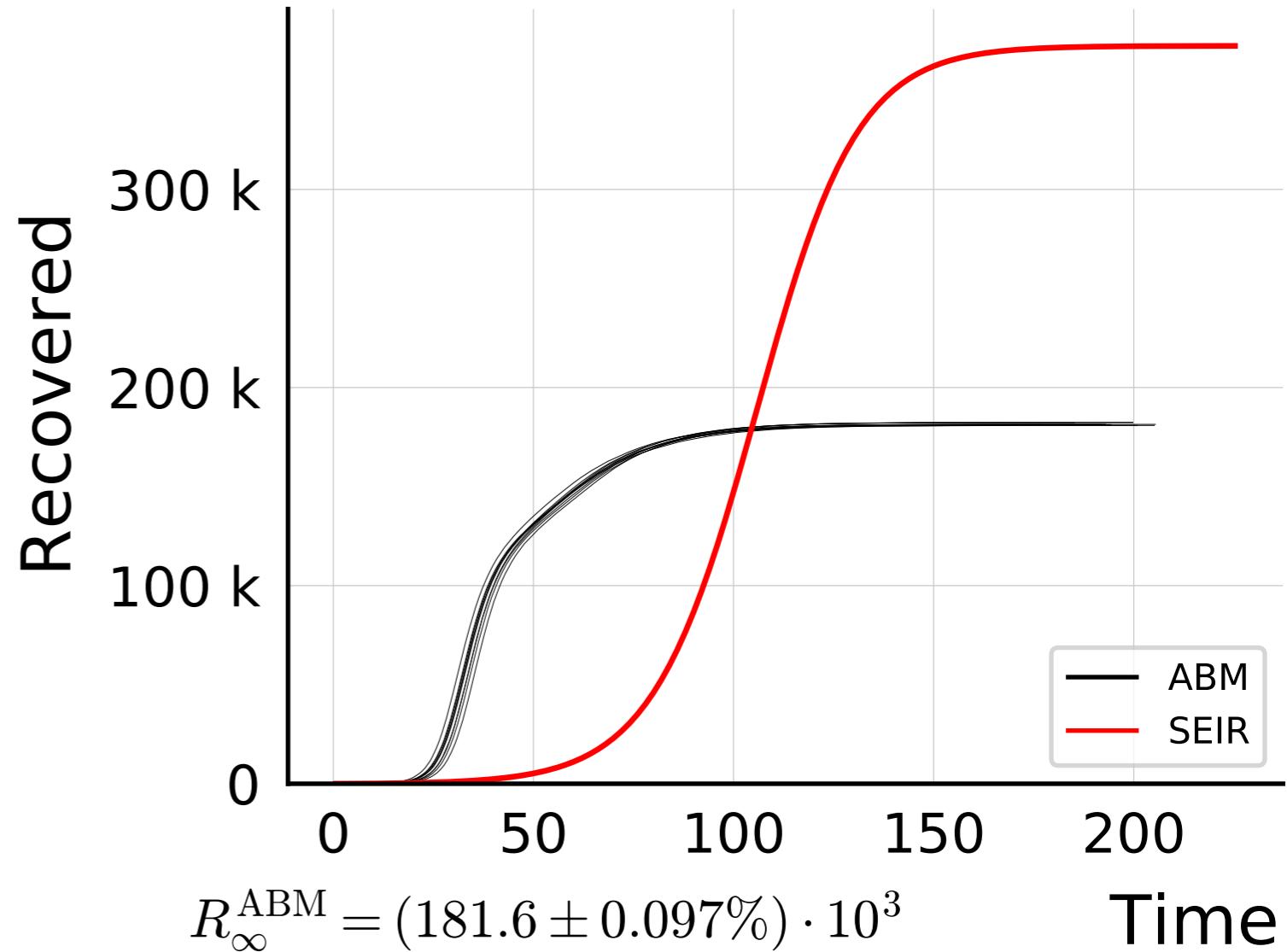
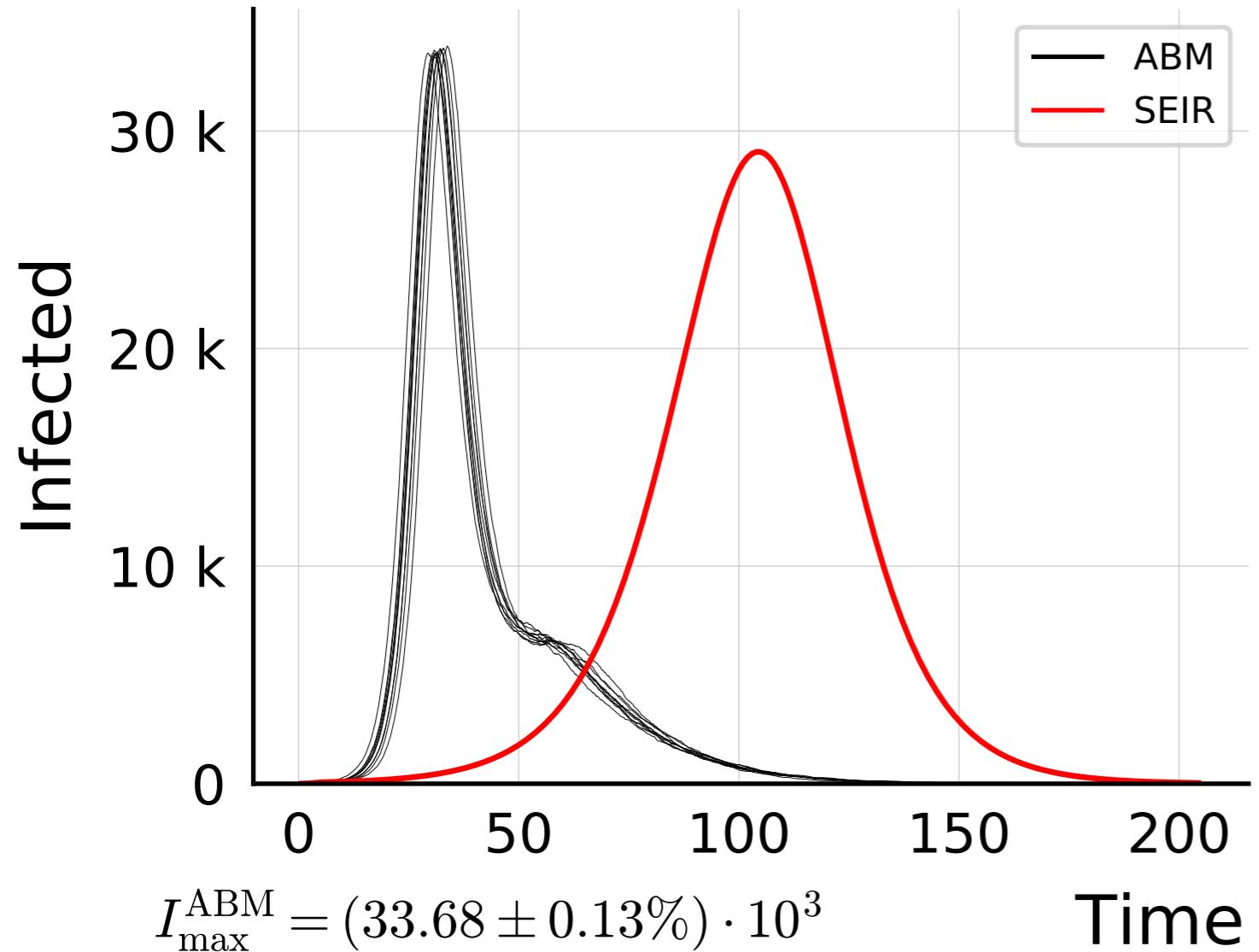
$N_{\text{tot}} = 580K$ ,  $N_{\text{init}} = 100$ ,  $\rho = 0.2$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , algo = 2, #10



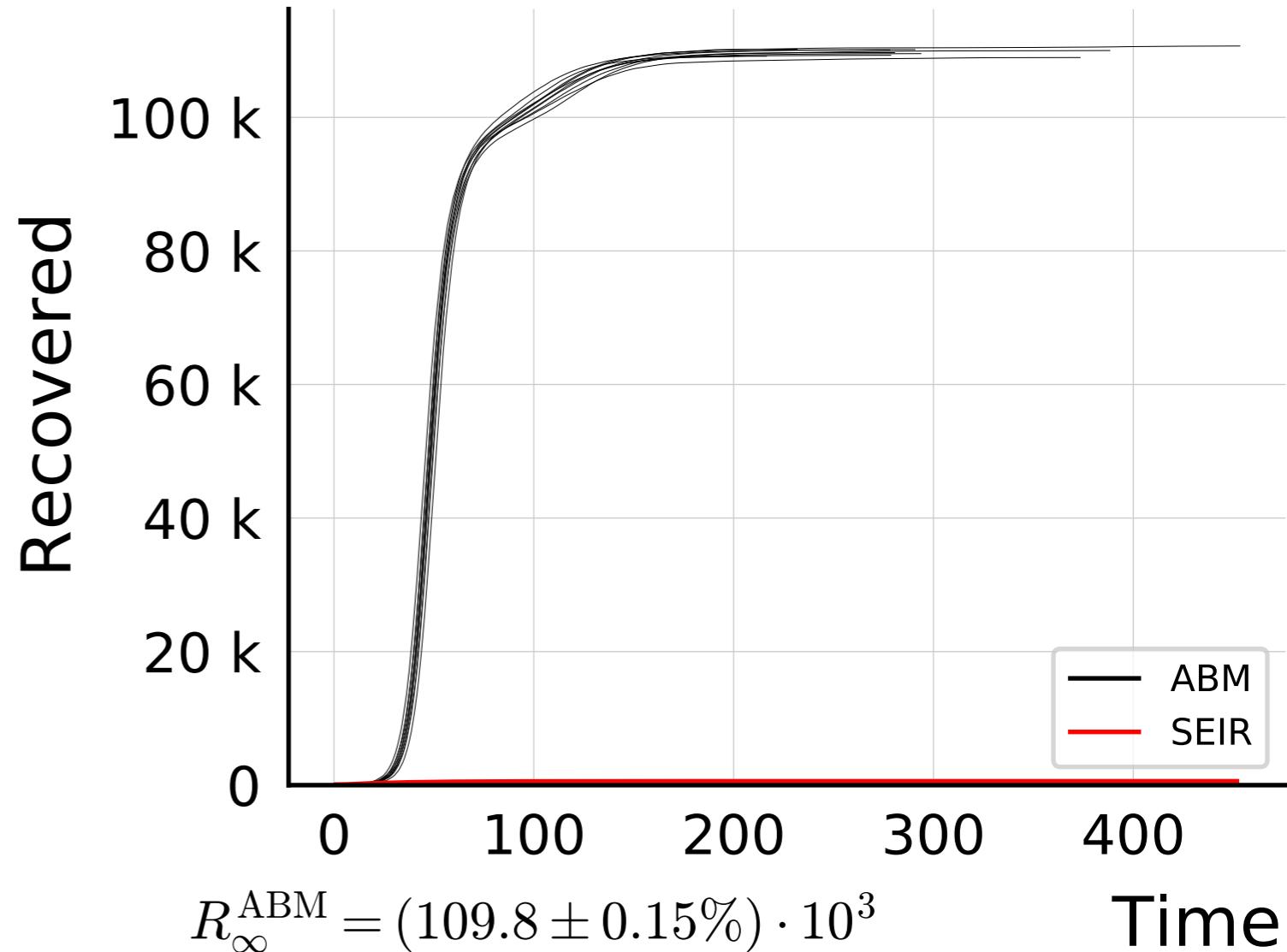
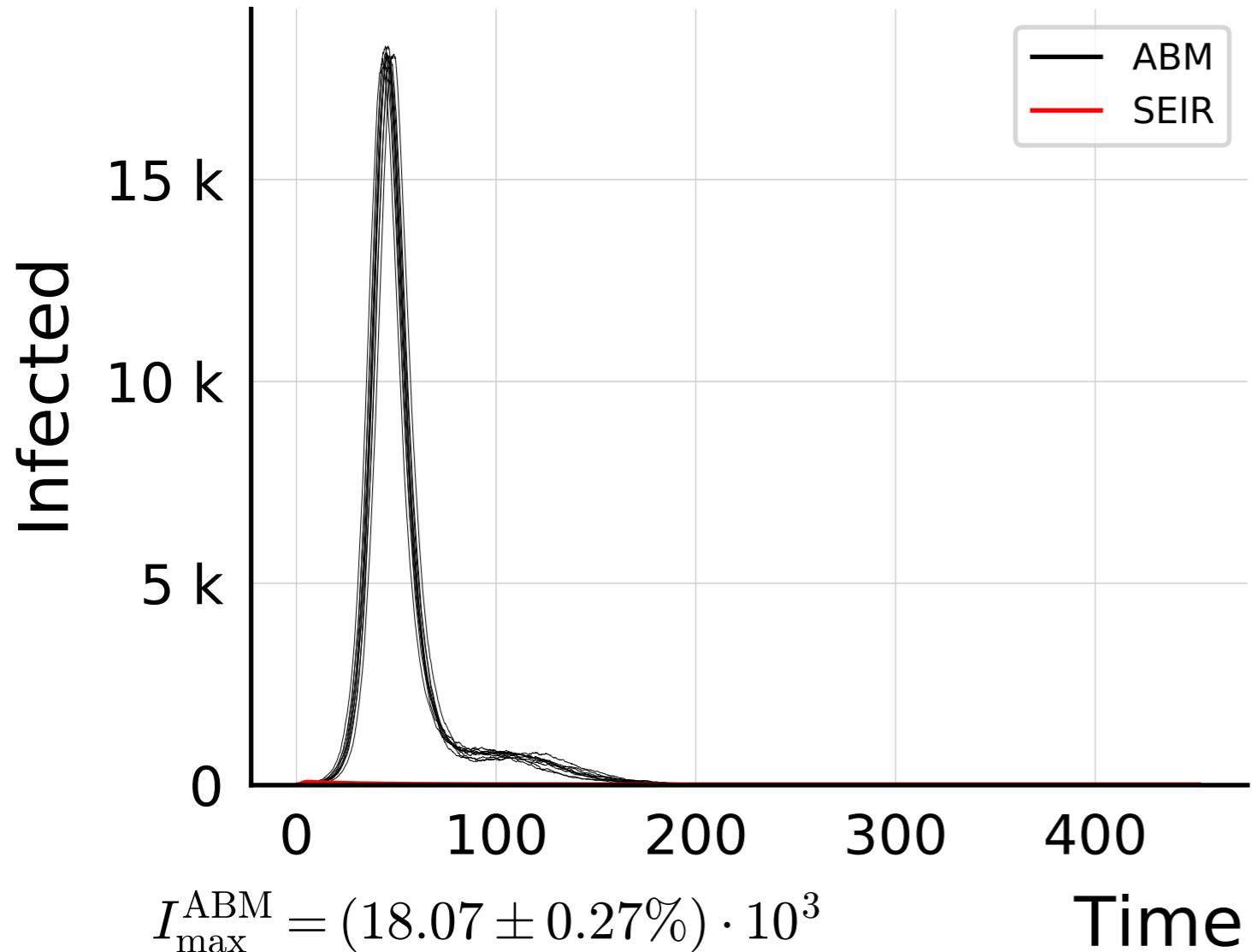
$N_{\text{tot}} = 580K$ ,  $N_{\text{init}} = 100$ ,  $\rho = 0.3$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.005$ ,  $\sigma_\beta = 0.0$   
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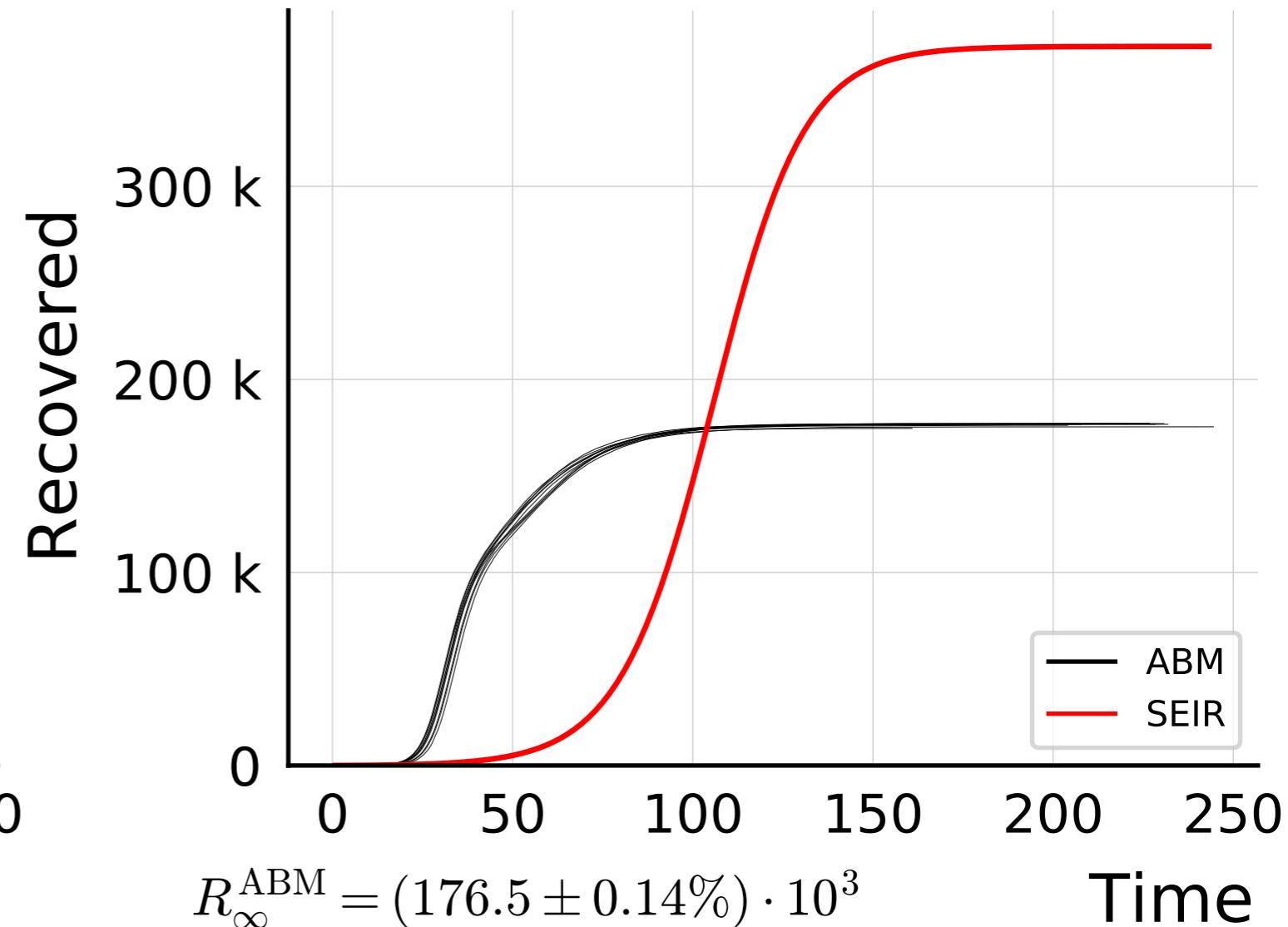
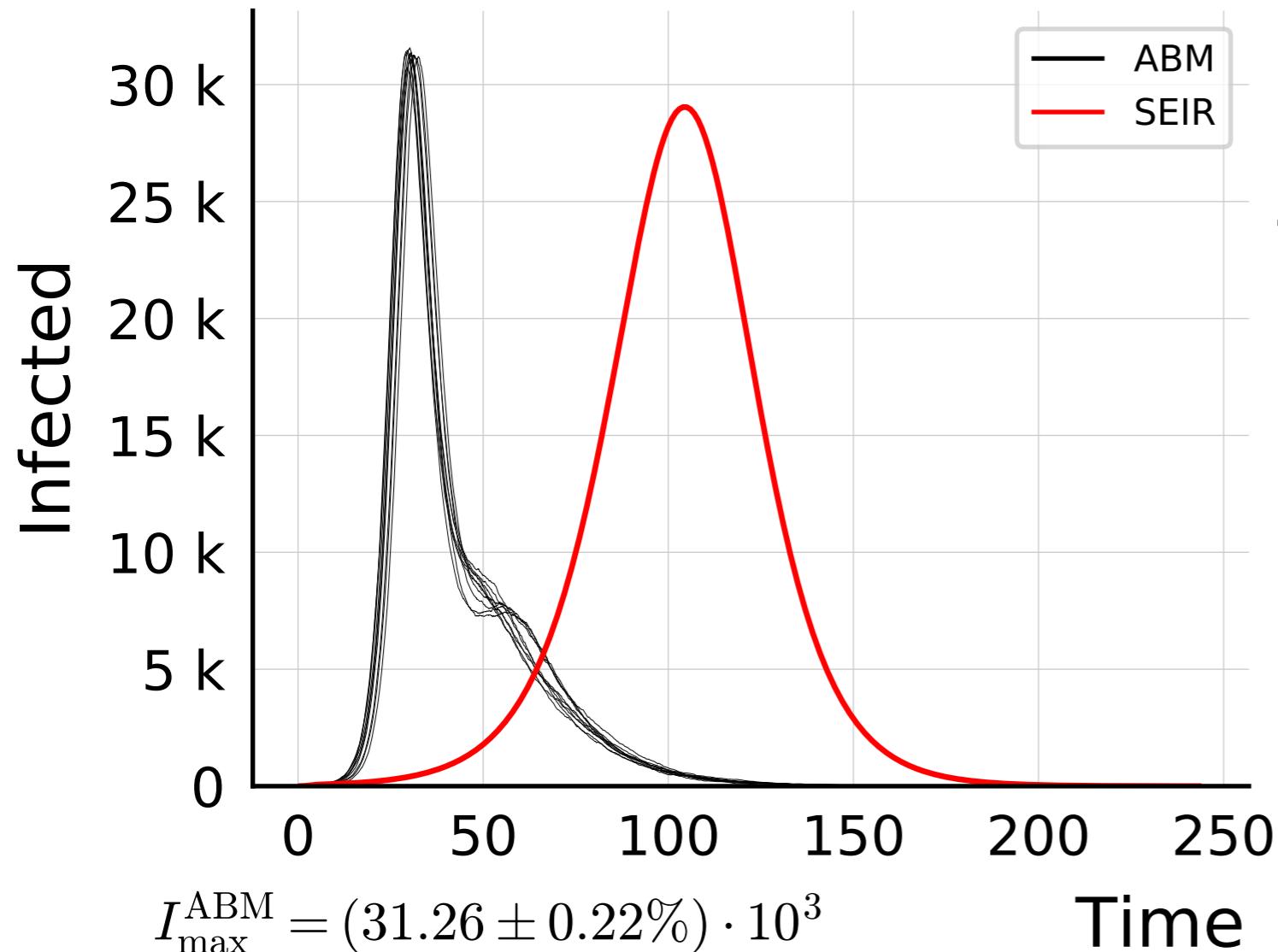
$N_{\text{tot}} = 580K$ ,  $N_{\text{init}} = 100$ ,  $\rho = 0.3$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , algo = 2, #10



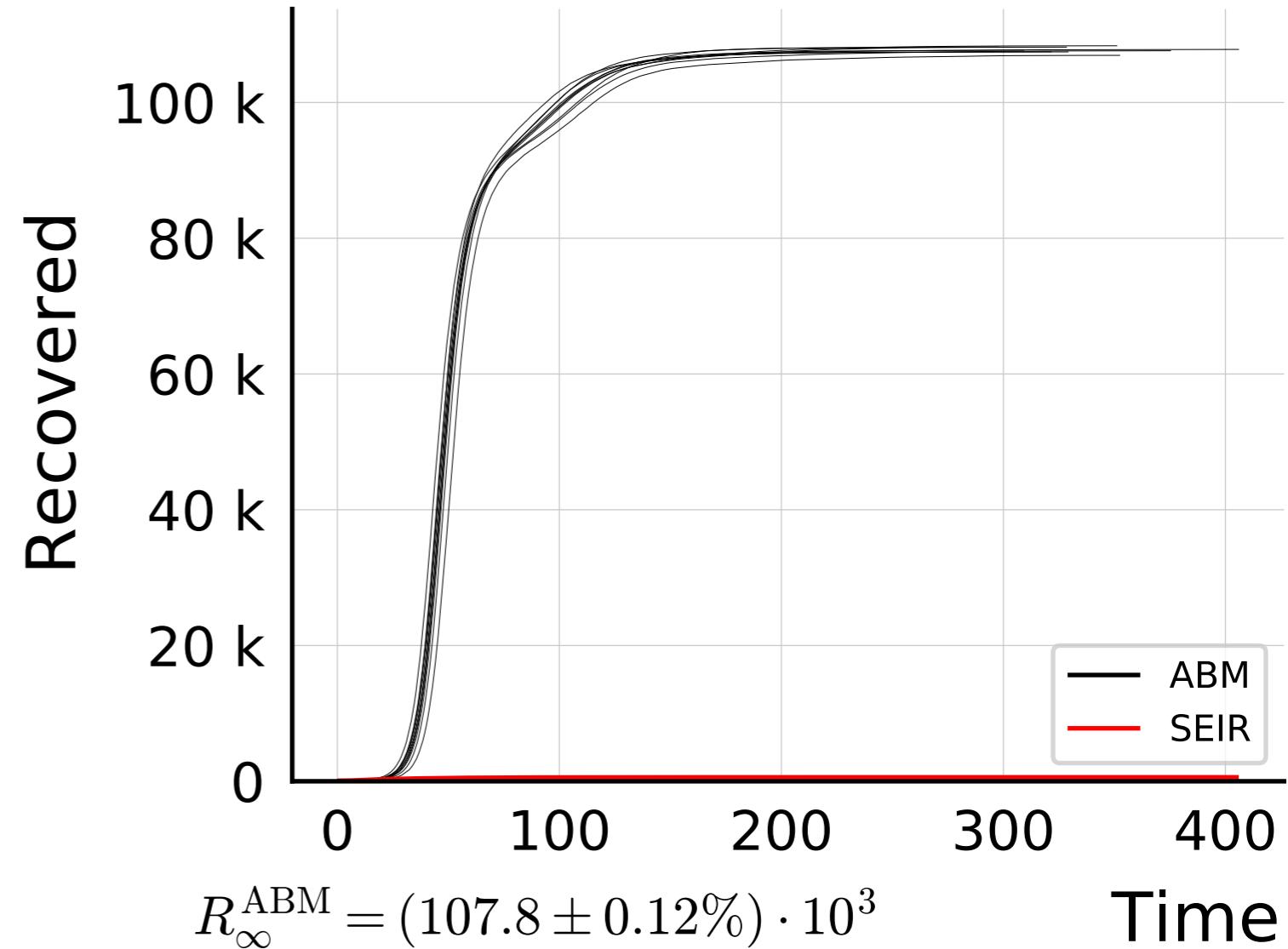
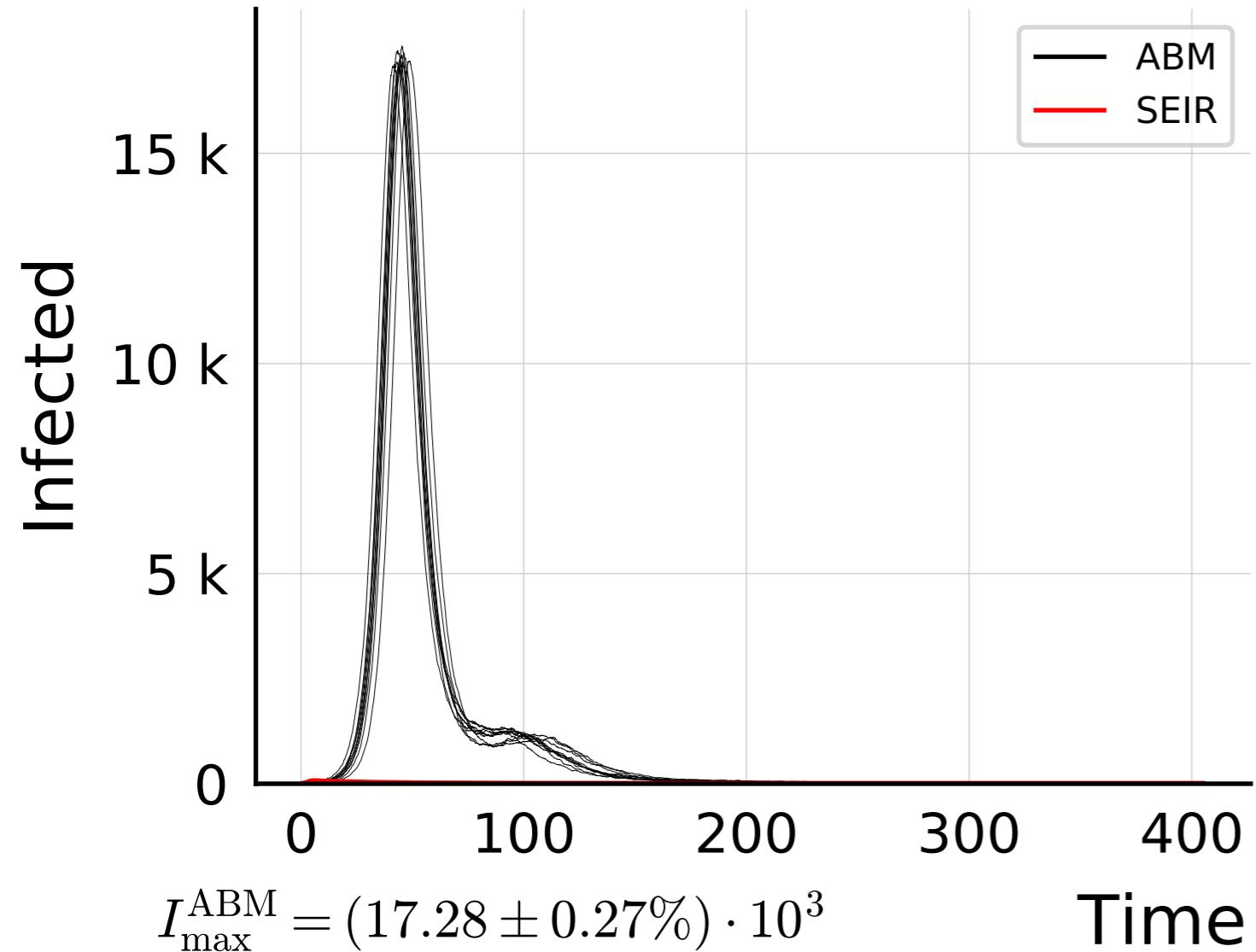
$N_{\text{tot}} = 580K$ ,  $N_{\text{init}} = 100$ ,  $\rho = 0.4$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.005$ ,  $\sigma_\beta = 0.0$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , algo = 2, #10



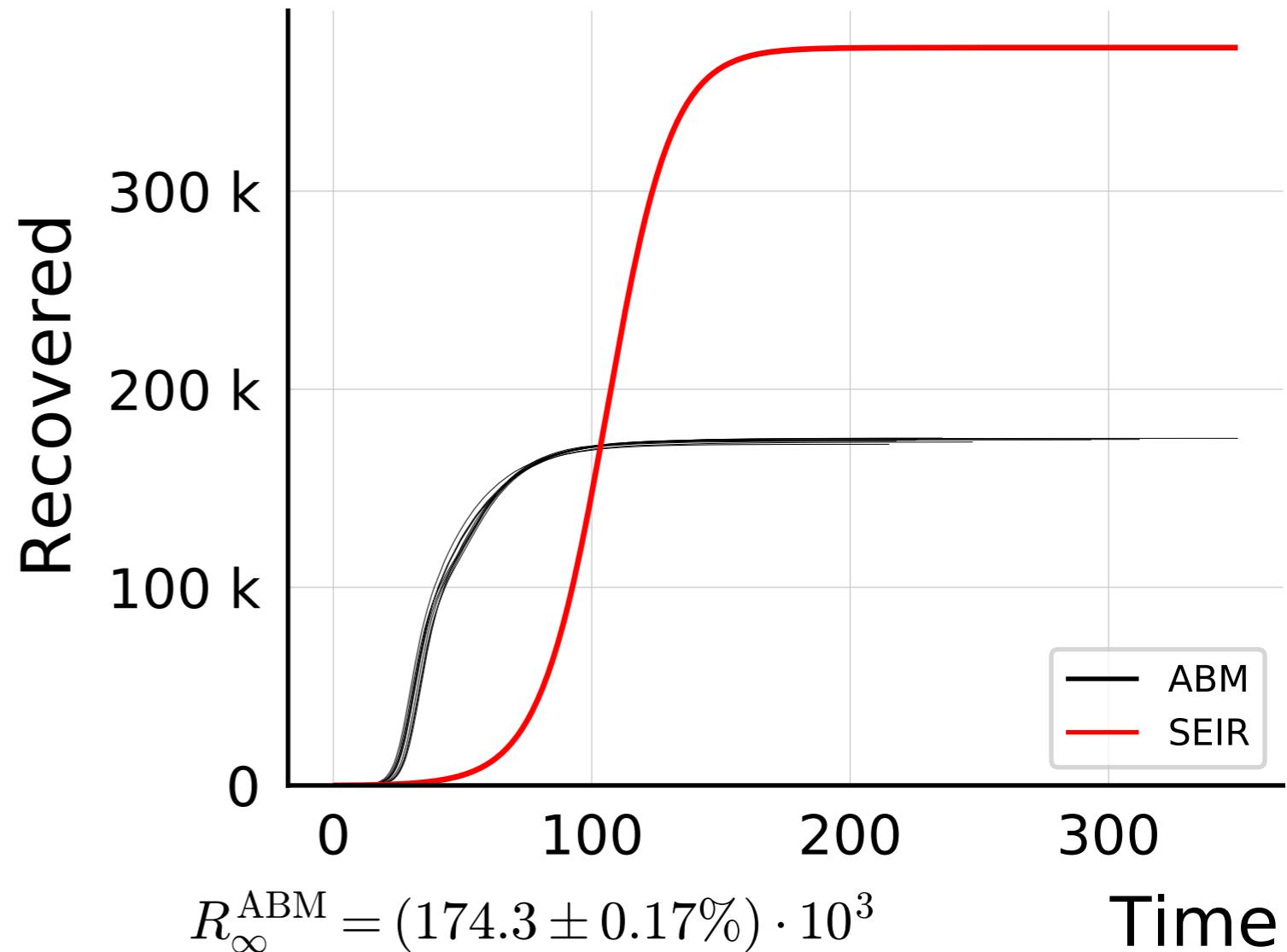
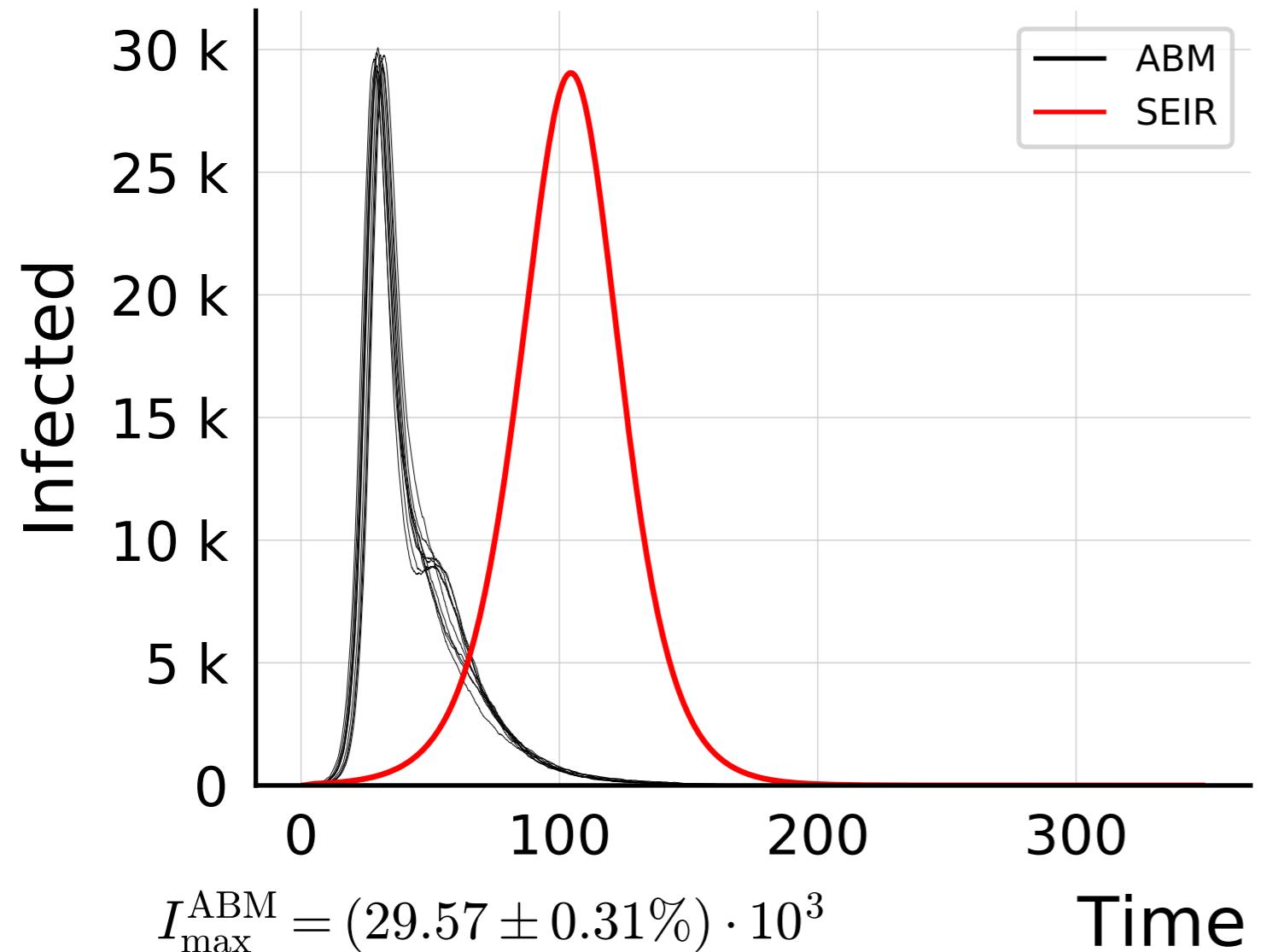
$N_{\text{tot}} = 580K$ ,  $N_{\text{init}} = 100$ ,  $\rho = 0.4$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$   
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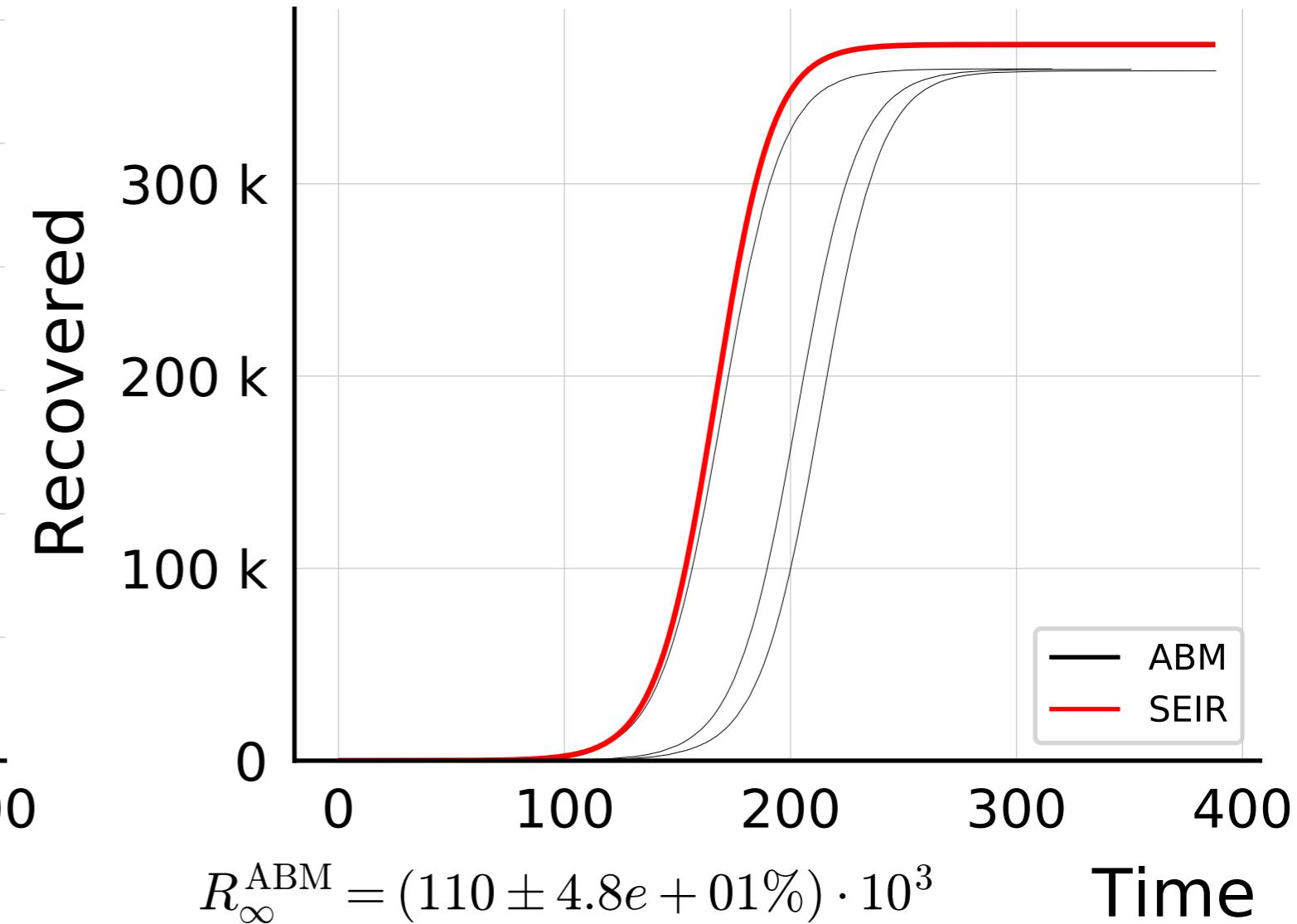
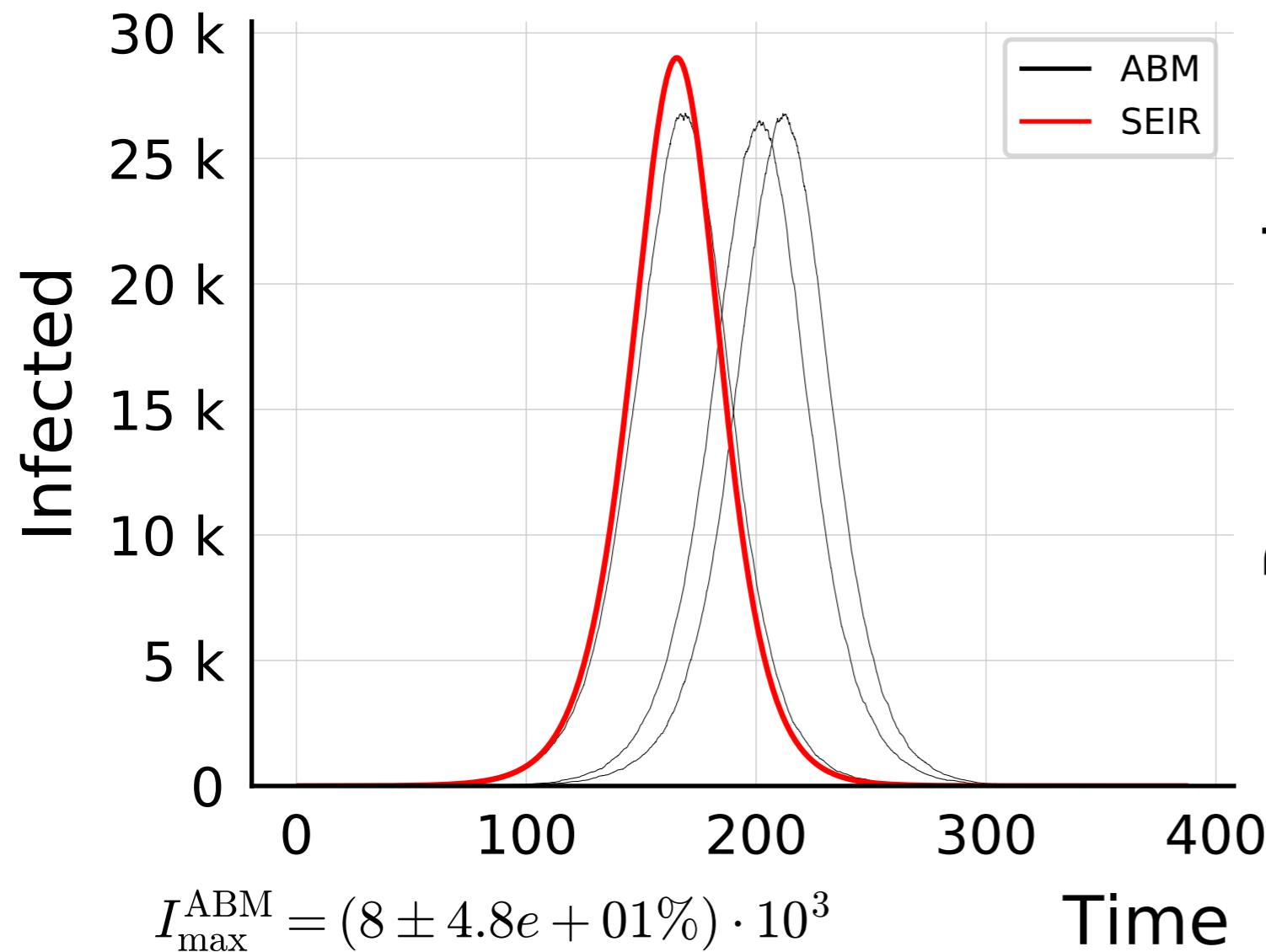
$N_{\text{tot}} = 580K$ ,  $N_{\text{init}} = 100$ ,  $\rho = 0.5$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.005$ ,  $\sigma_\beta = 0.0$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , algo = 2, #10



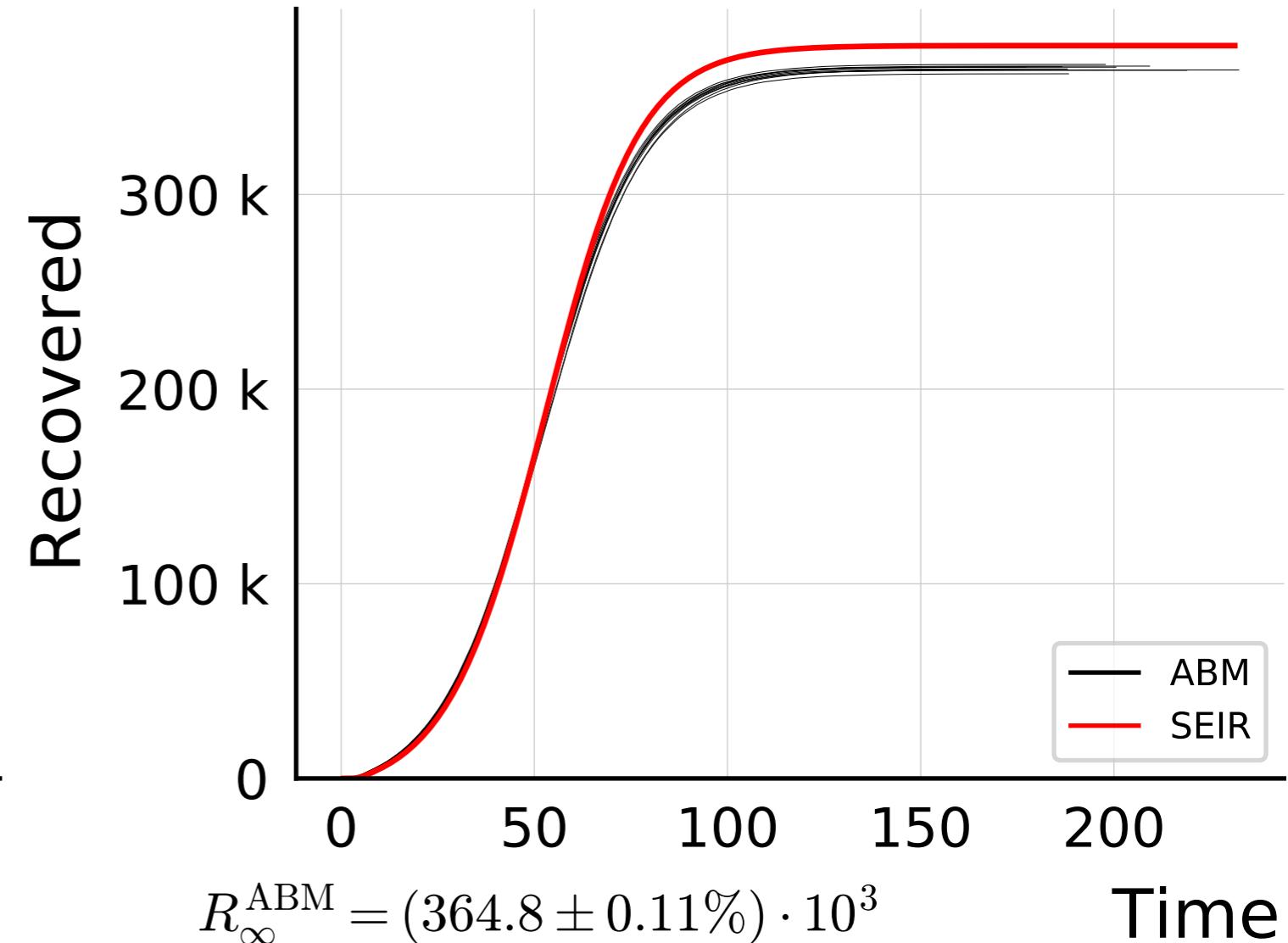
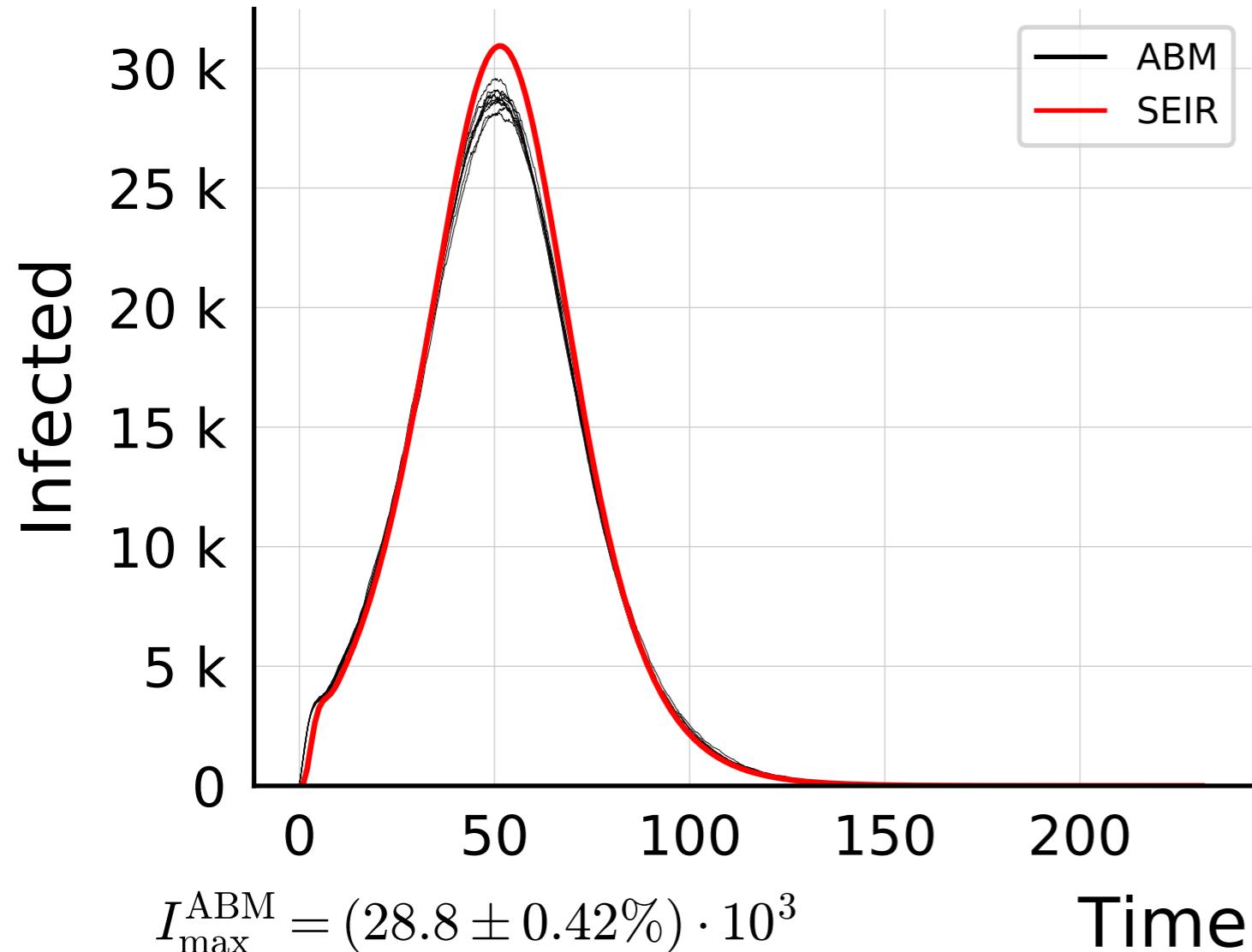
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 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , algo = 2, #10



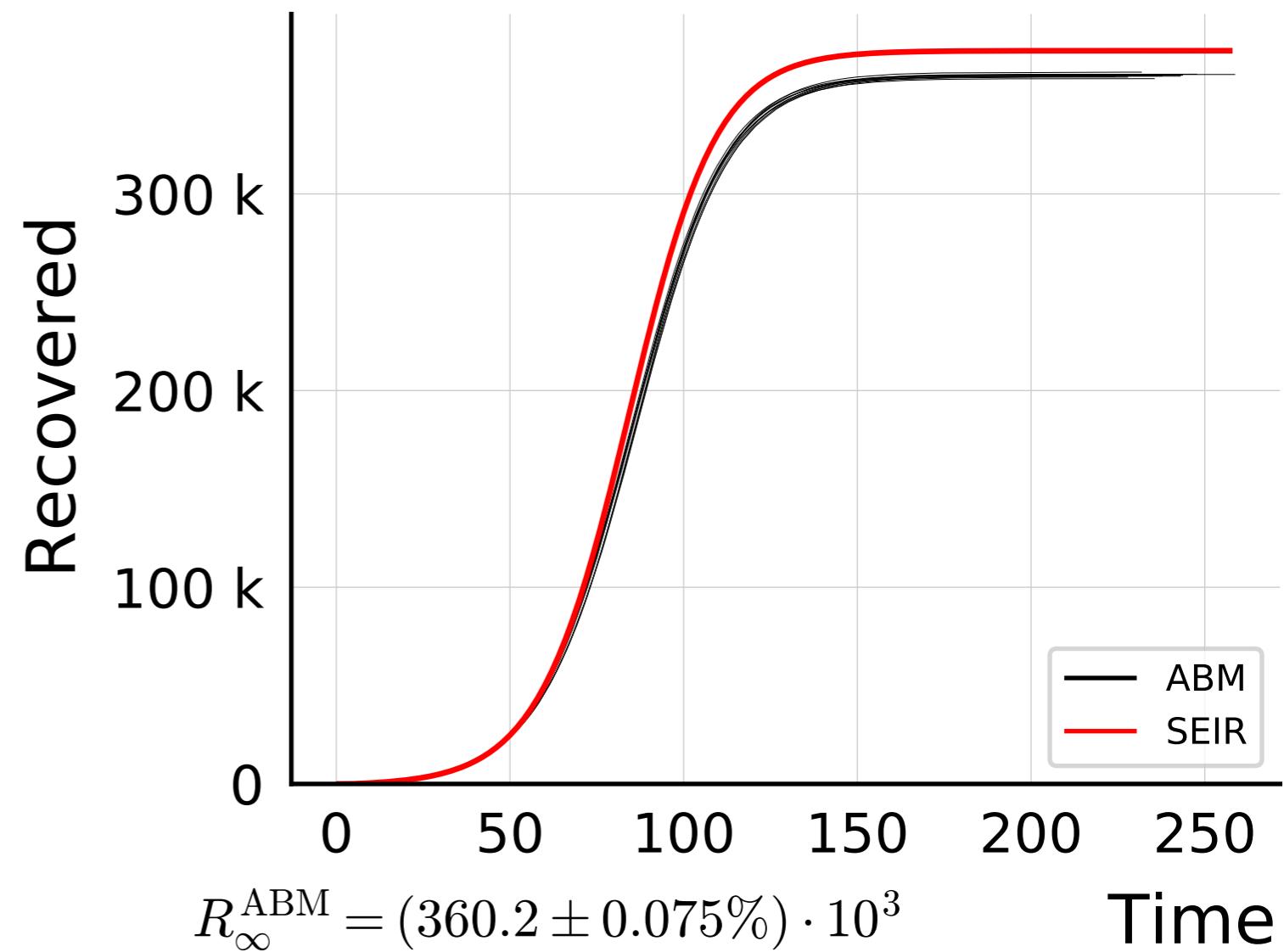
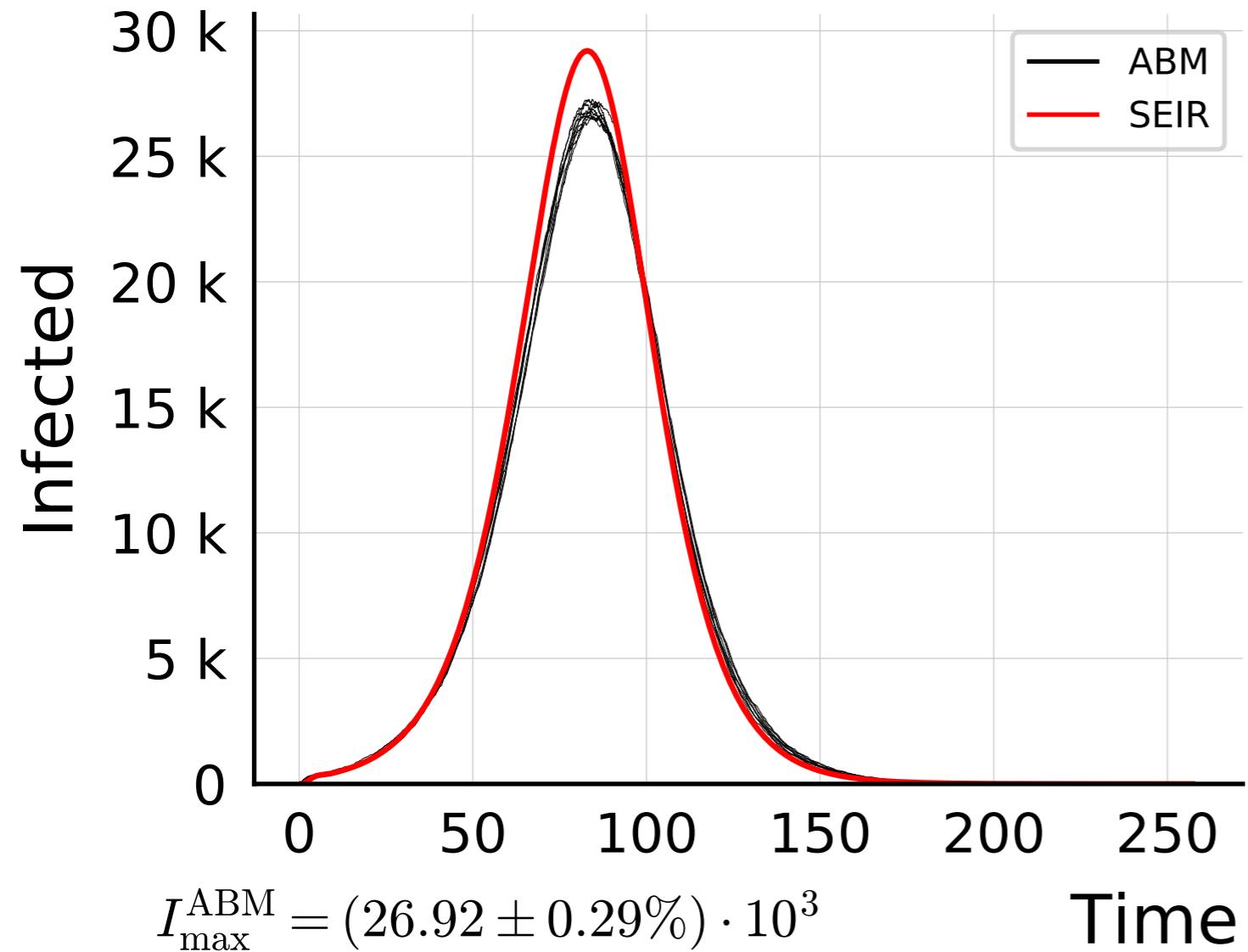
$N_{\text{tot}} = 580K$ ,  $N_{\text{init}} = 1$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , algo = 2, #10



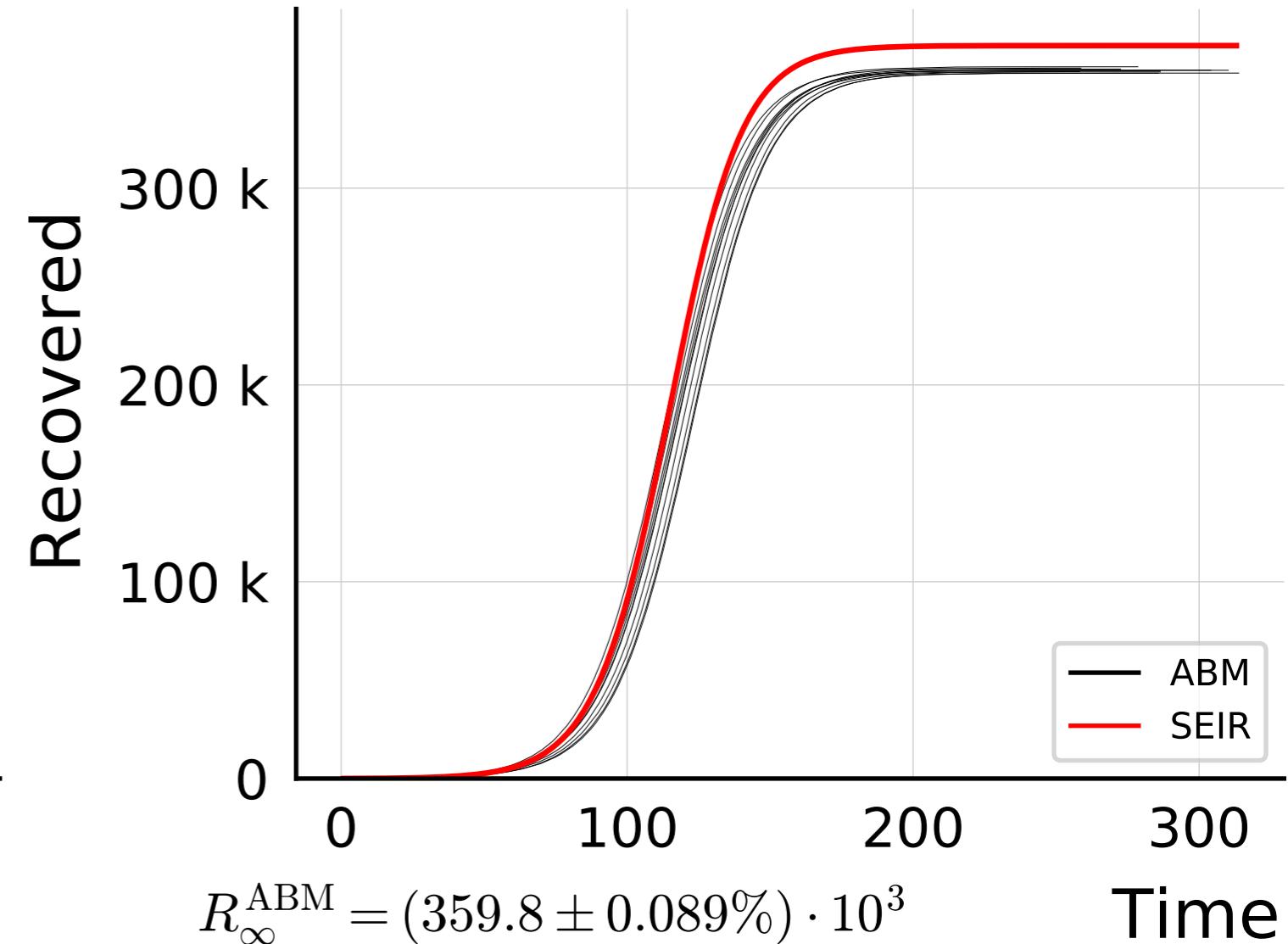
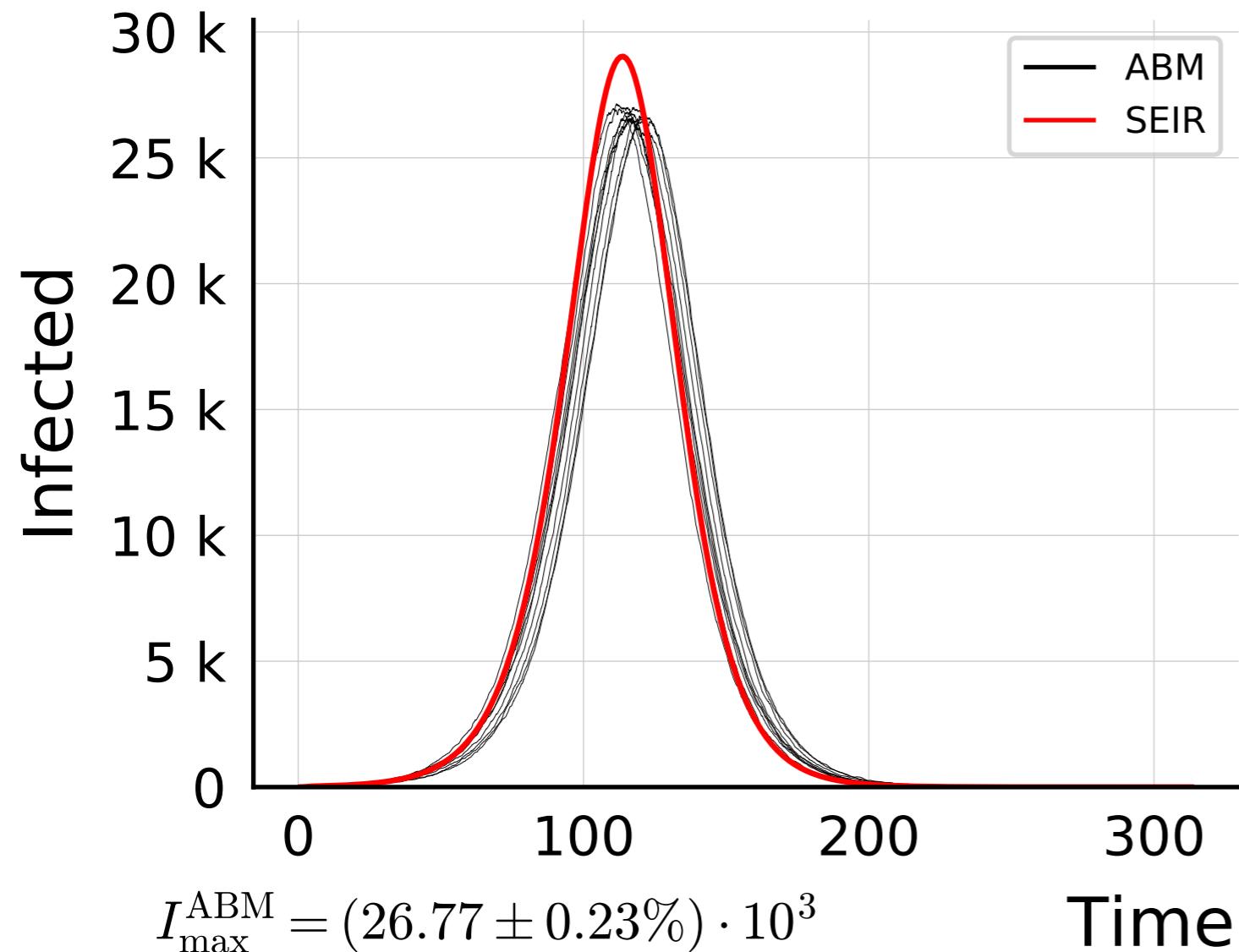
$N_{\text{tot}} = 580K$ ,  $N_{\text{init}} = 5K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , algo = 2, #10



$N_{\text{tot}} = 580K$ ,  $N_{\text{init}} = 500$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , algo = 2, #10



$N_{\text{tot}} = 580K$ ,  $N_{\text{init}} = 50$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , algo = 2, #10



$N_{\text{tot}} = 580K$ ,  $N_{\text{init}} = 5$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , algo = 2, #10

