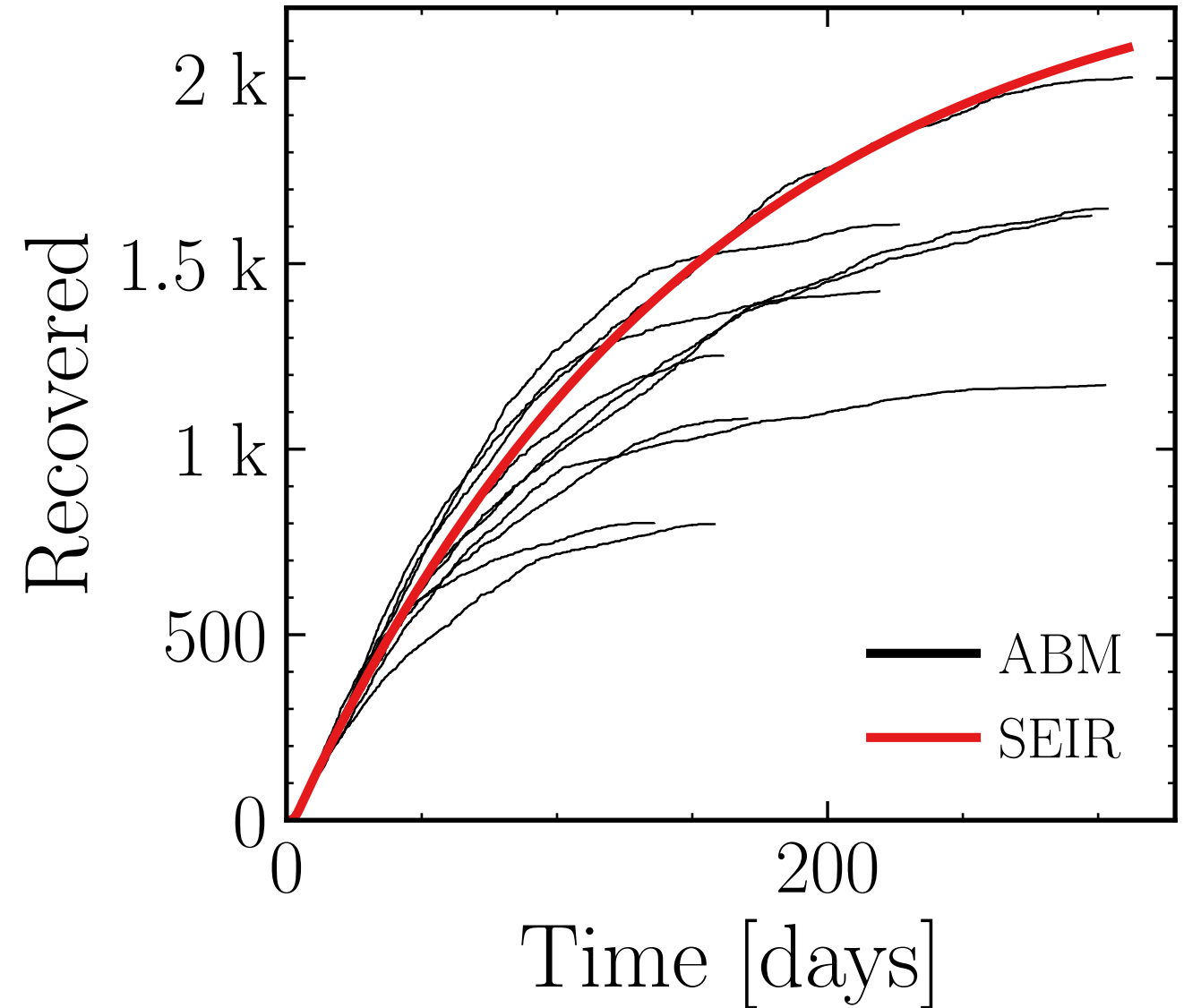
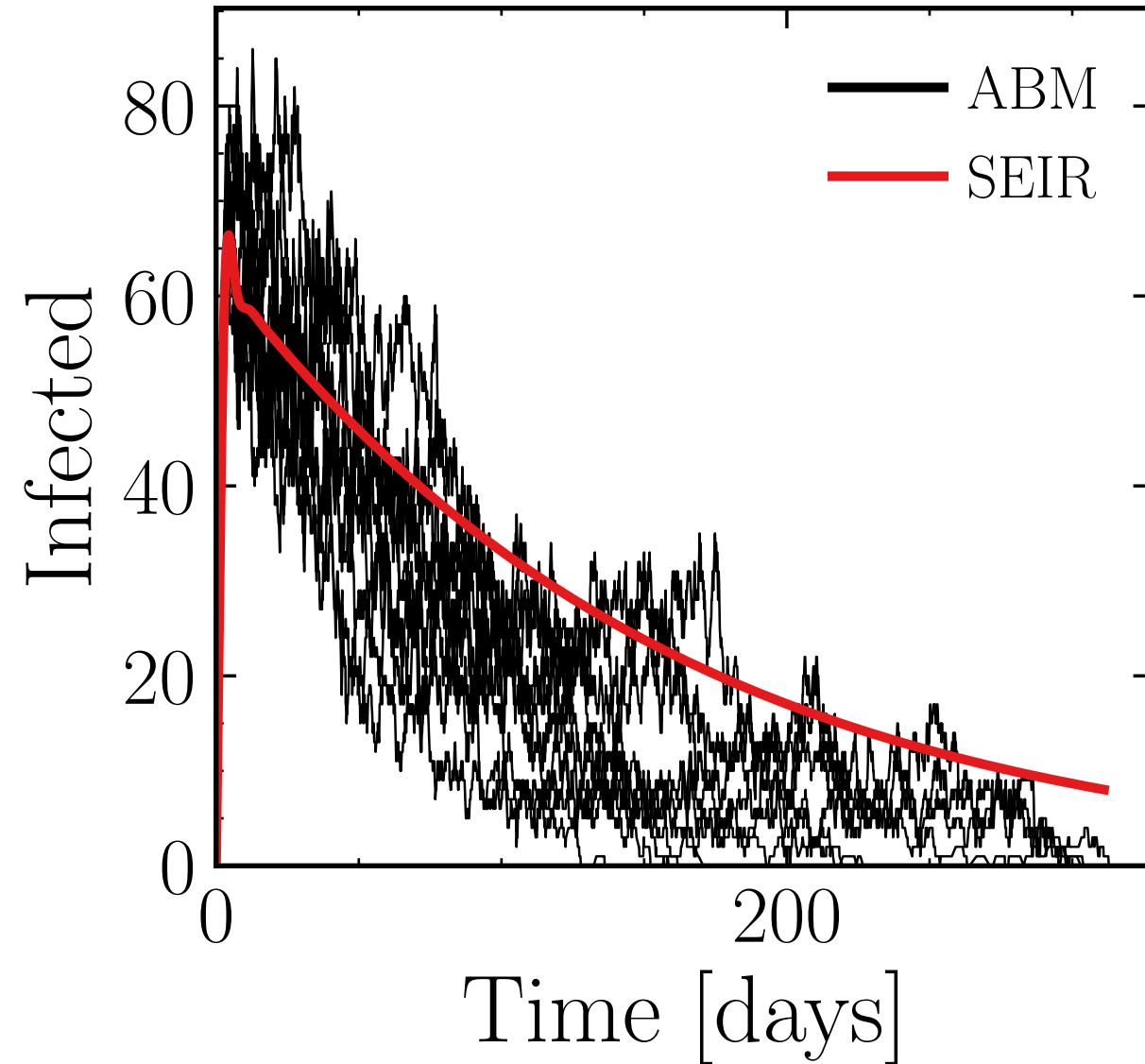


$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 20$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.012$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$ ,  $N_{\text{events}} = 0$ , event<sub>size<sub>max</sub></sub> = 580K, v. = 1.0, hash = 4e956556da, #10

$$I_{\text{max}}^{\text{ABM}} = (75 \pm 2.7\%).$$

$$R_{\infty}^{\text{ABM}} = (1.3 \pm 8.8\%) \cdot 10^3$$

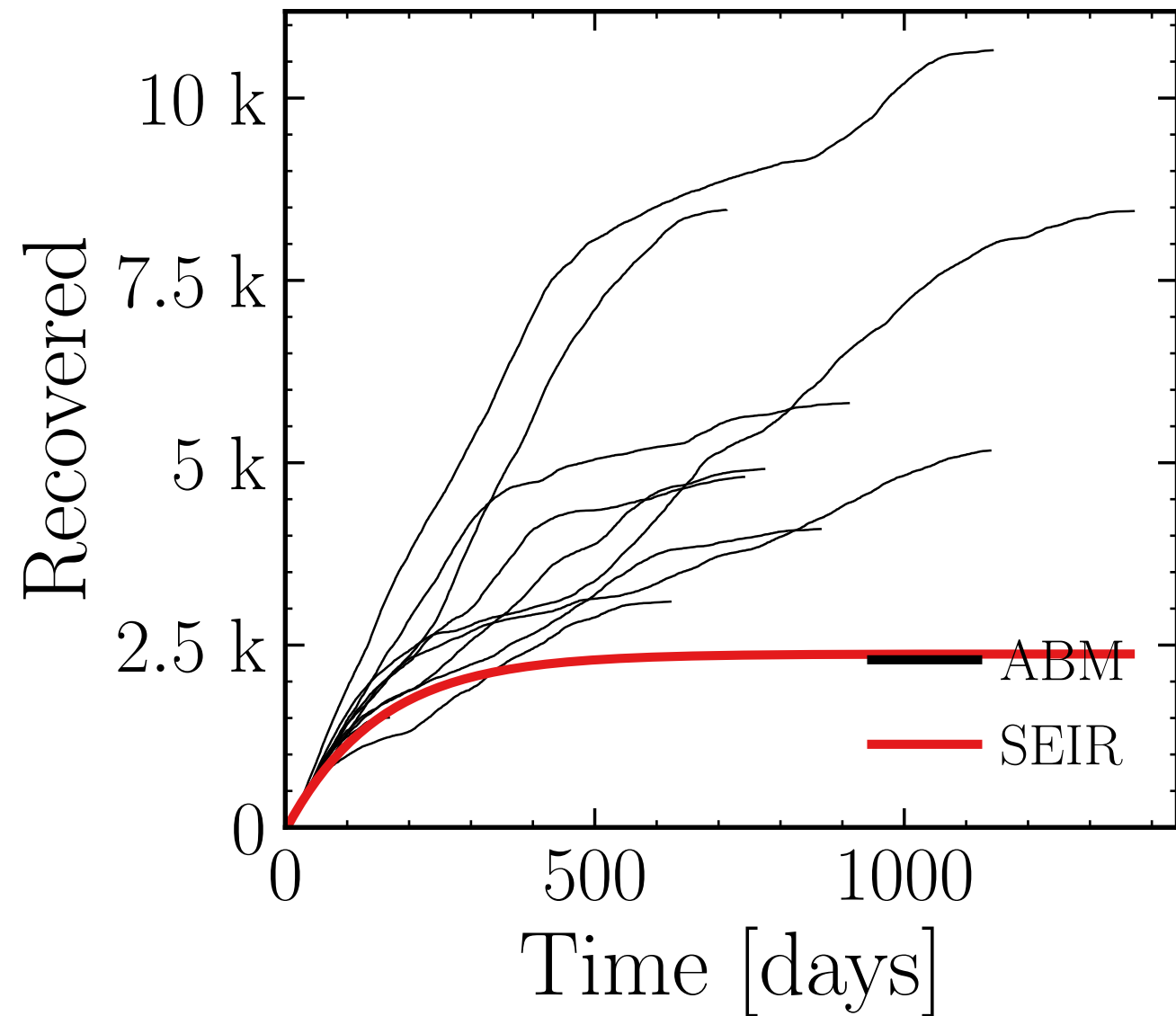
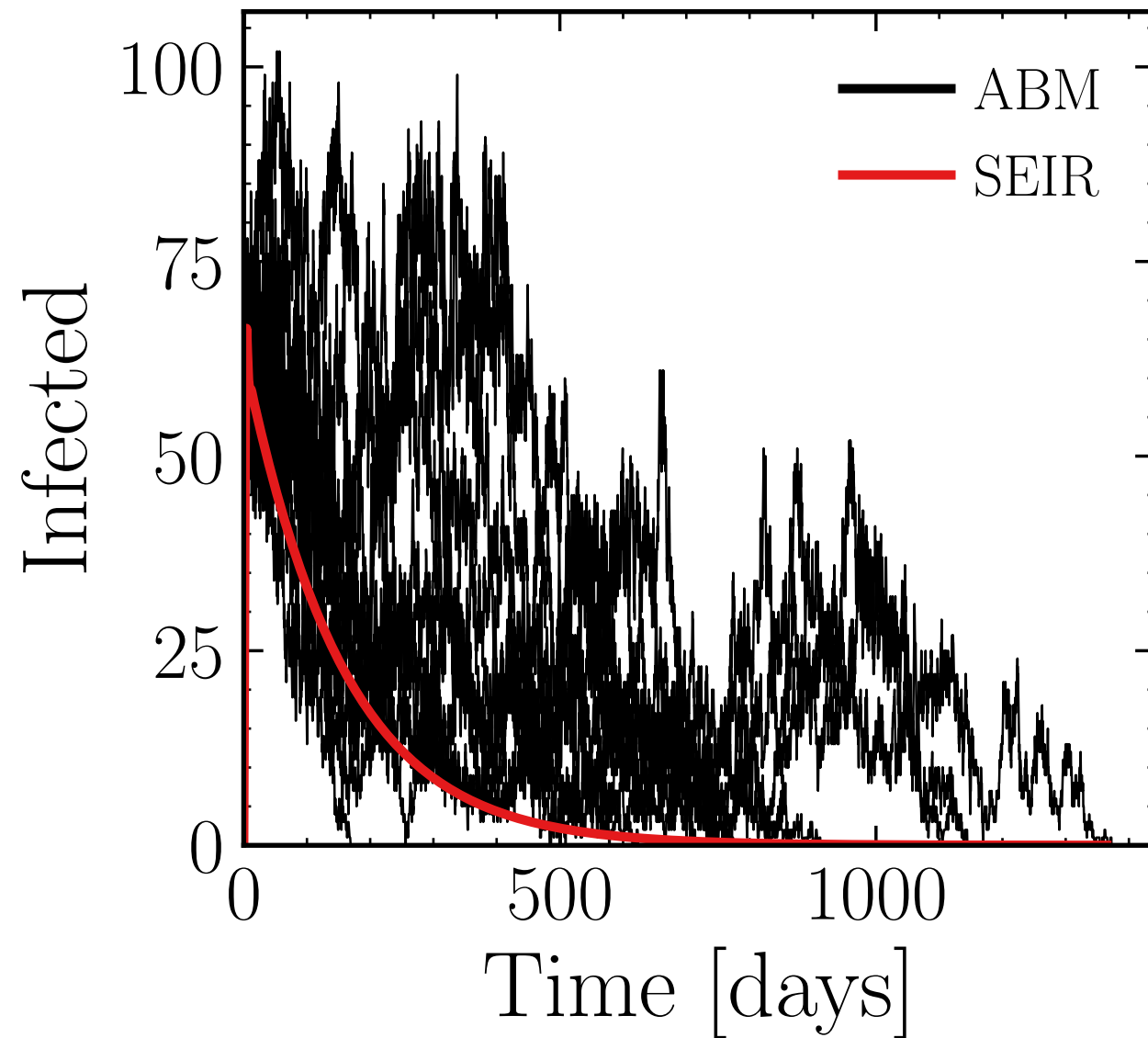


$N_{\text{tot}} = 580K, \rho = 0.0, \epsilon_{\rho} = 0.04, \mu = 20, \sigma_{\mu} = 0.0, \beta = 0.012, \sigma_{\beta} = 0.0, \text{algo} = 2, N_{\text{init}} = 100$

$\lambda_E = 1.0, \lambda_I = 1.0, \text{rand.inf.} = \text{True}, N_{\text{retries}}^{\text{connect}} = 0, N_{\text{events}} = 100, \text{event}_{\text{size}_{\text{max}}} = 50, v. = 1.0, \text{hash} = 4a33b22195, \#10$

$$I_{\text{max}}^{\text{ABM}} = (80 \pm 4.0\%).$$

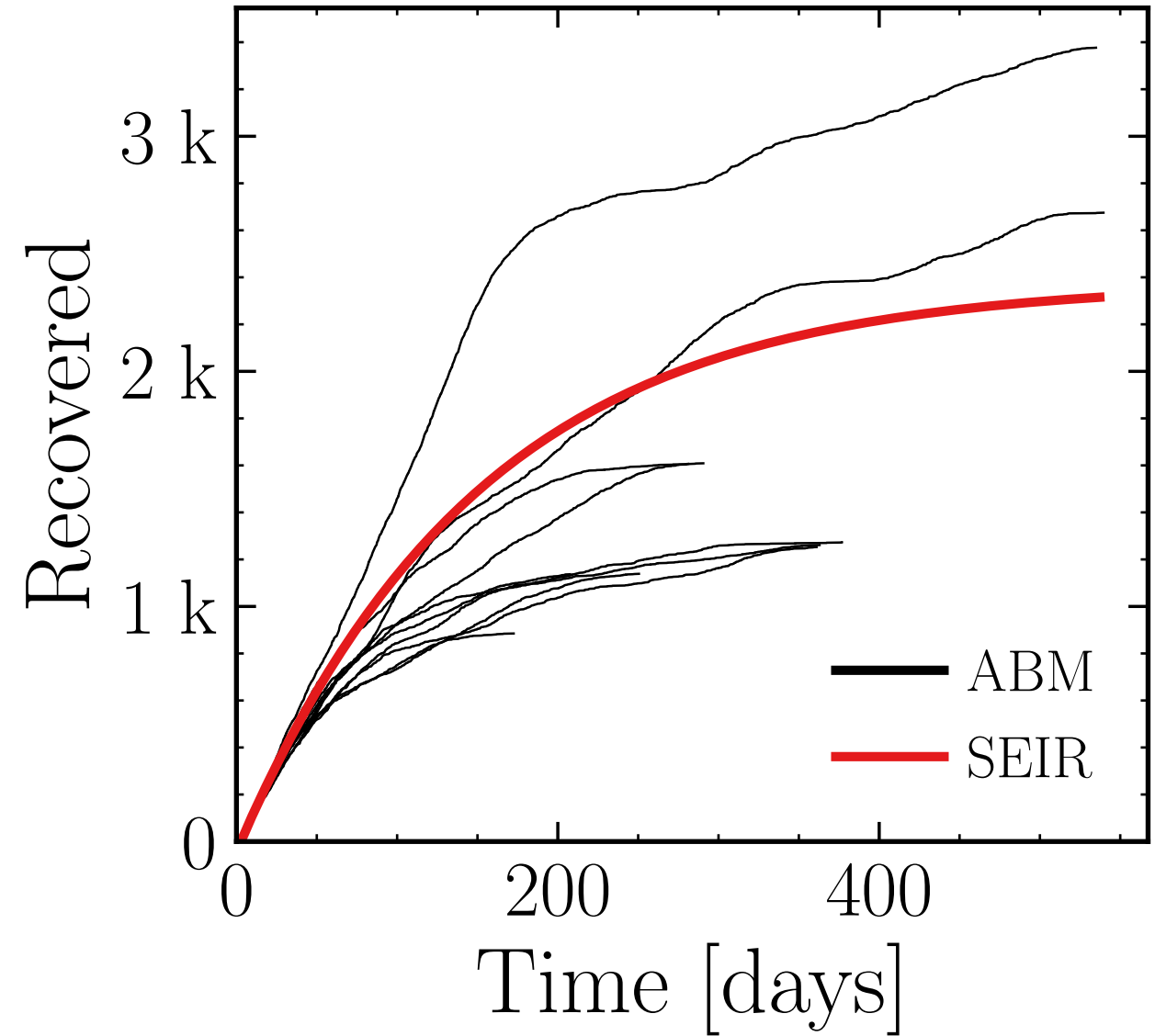
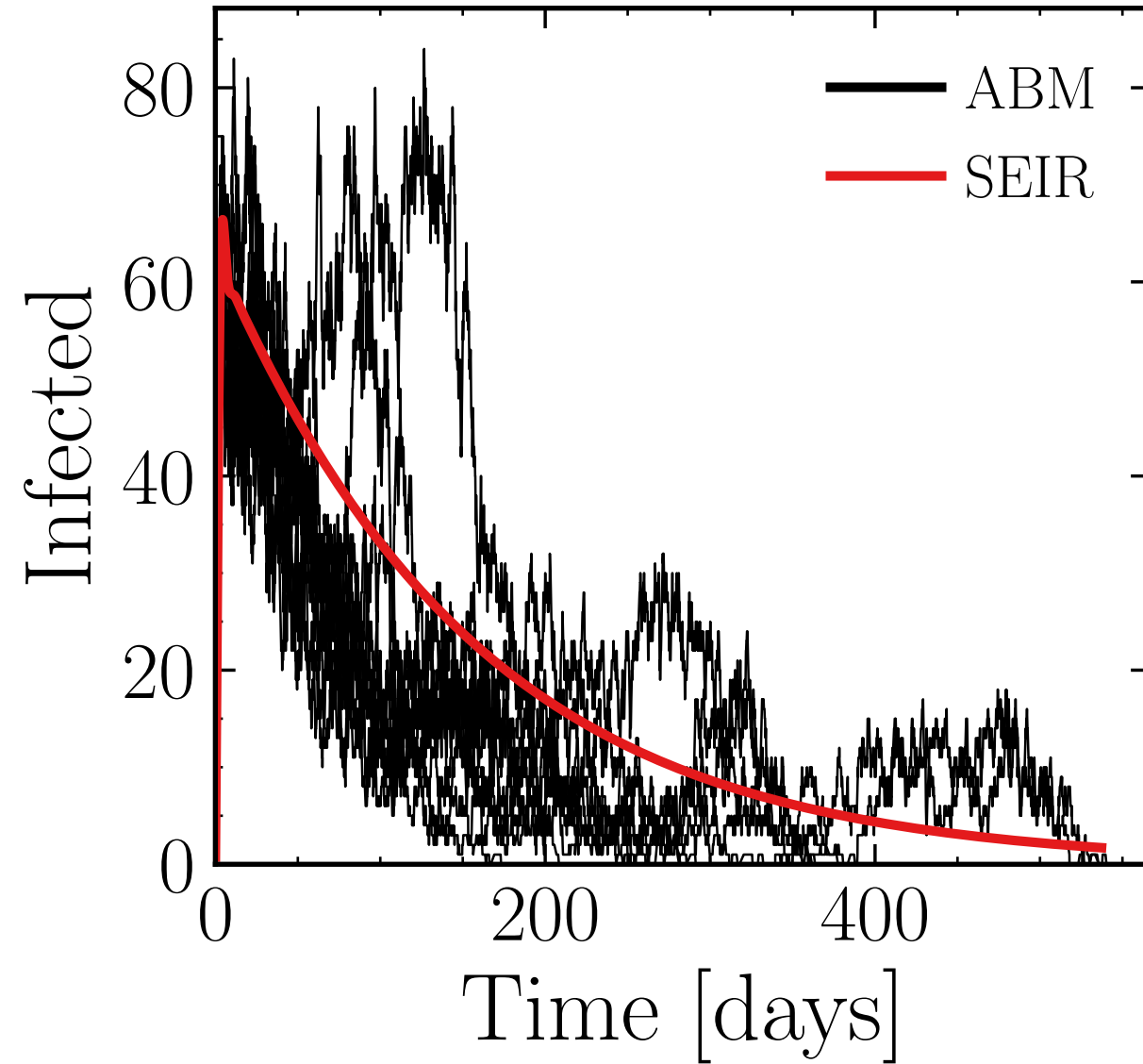
$$R_{\infty}^{\text{ABM}} = (5.7 \pm 1.5e + 01\%) \cdot 10^3$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_{\rho} = 0.04$ ,  $\mu = 20$ ,  $\sigma_{\mu} = 0.0$ ,  $\beta = 0.012$ ,  $\sigma_{\beta} = 0.0$ , algo = 2,  $N_{\text{init}} = 100$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$ ,  $N_{\text{events}} = 100$ , event<sub>size<sub>max</sub></sub> = 20, v. = 1.0, hash = 8a5e63f9ff, #10

$$I_{\text{max}}^{\text{ABM}} = (72 \pm 2.8\%).$$

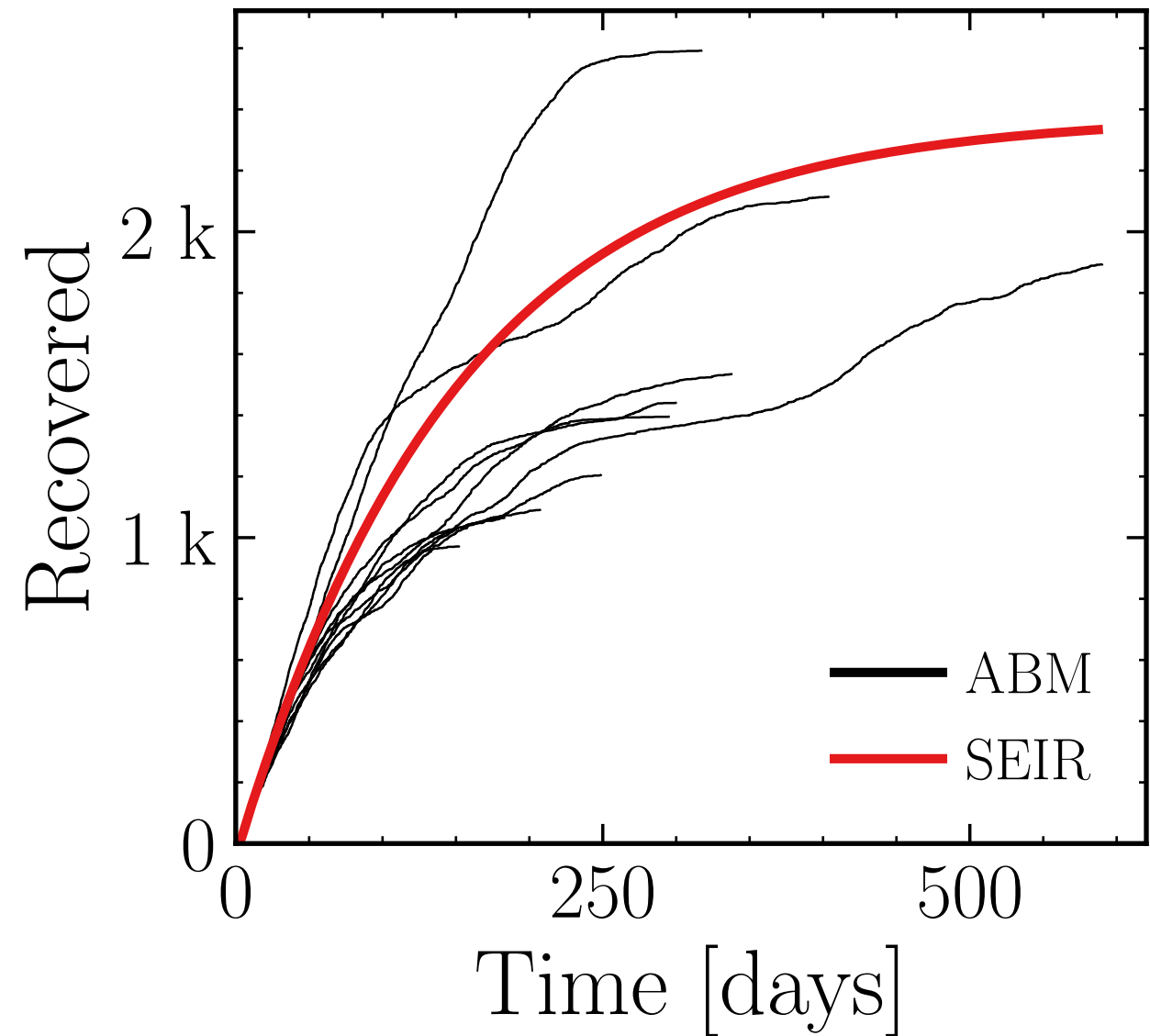
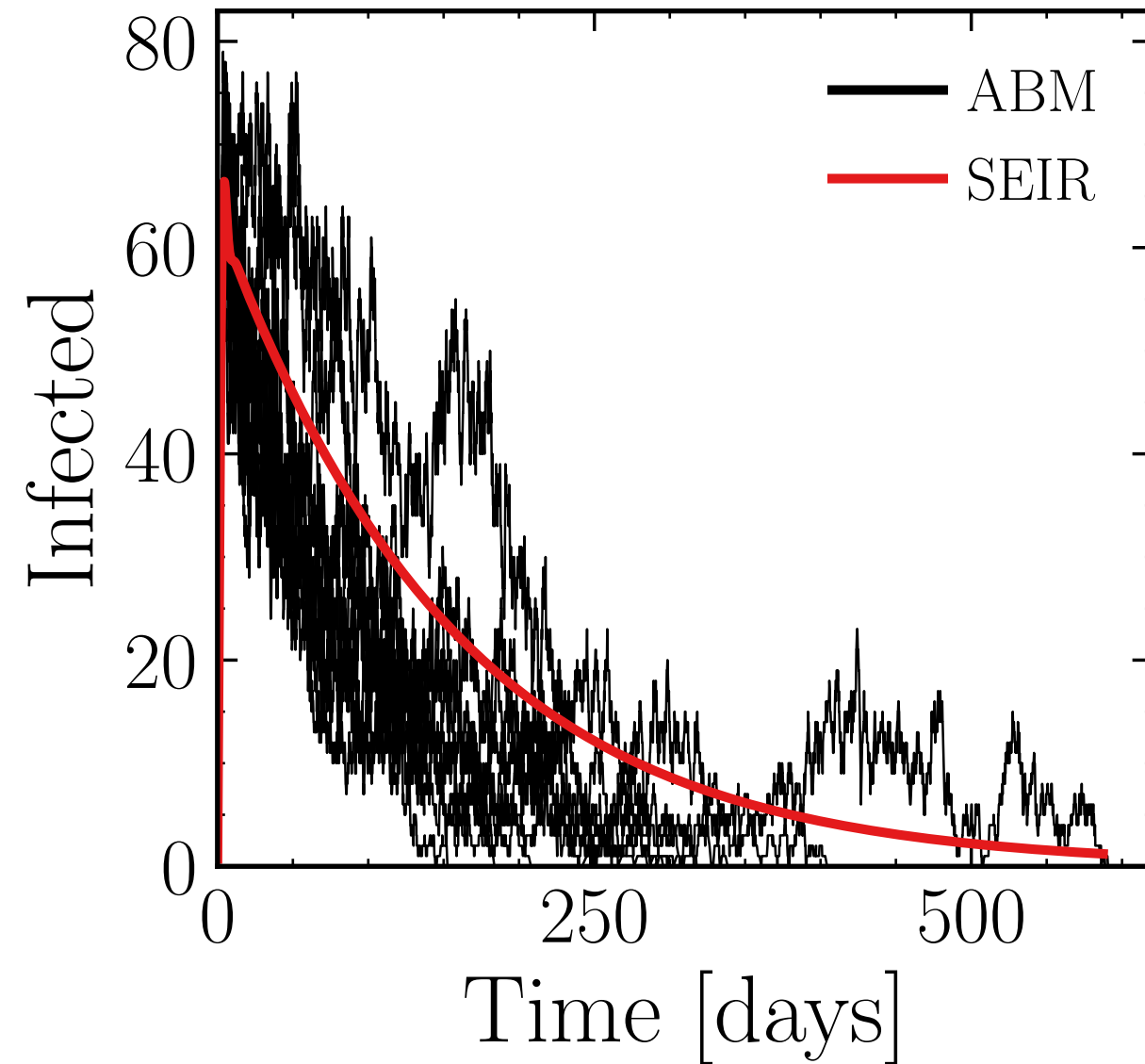
$$R_{\infty}^{\text{ABM}} = (1.6 \pm 1.5e + 01\%) \cdot 10^3$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_{\rho} = 0.04$ ,  $\mu = 20$ ,  $\sigma_{\mu} = 0.0$ ,  $\beta = 0.012$ ,  $\sigma_{\beta} = 0.0$ , algo = 2,  $N_{\text{init}} = 100$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$ ,  $N_{\text{events}} = 100$ , event<sub>size<sub>max</sub></sub> = 10, v. = 1.0, hash = *afdd06ce79*, #10

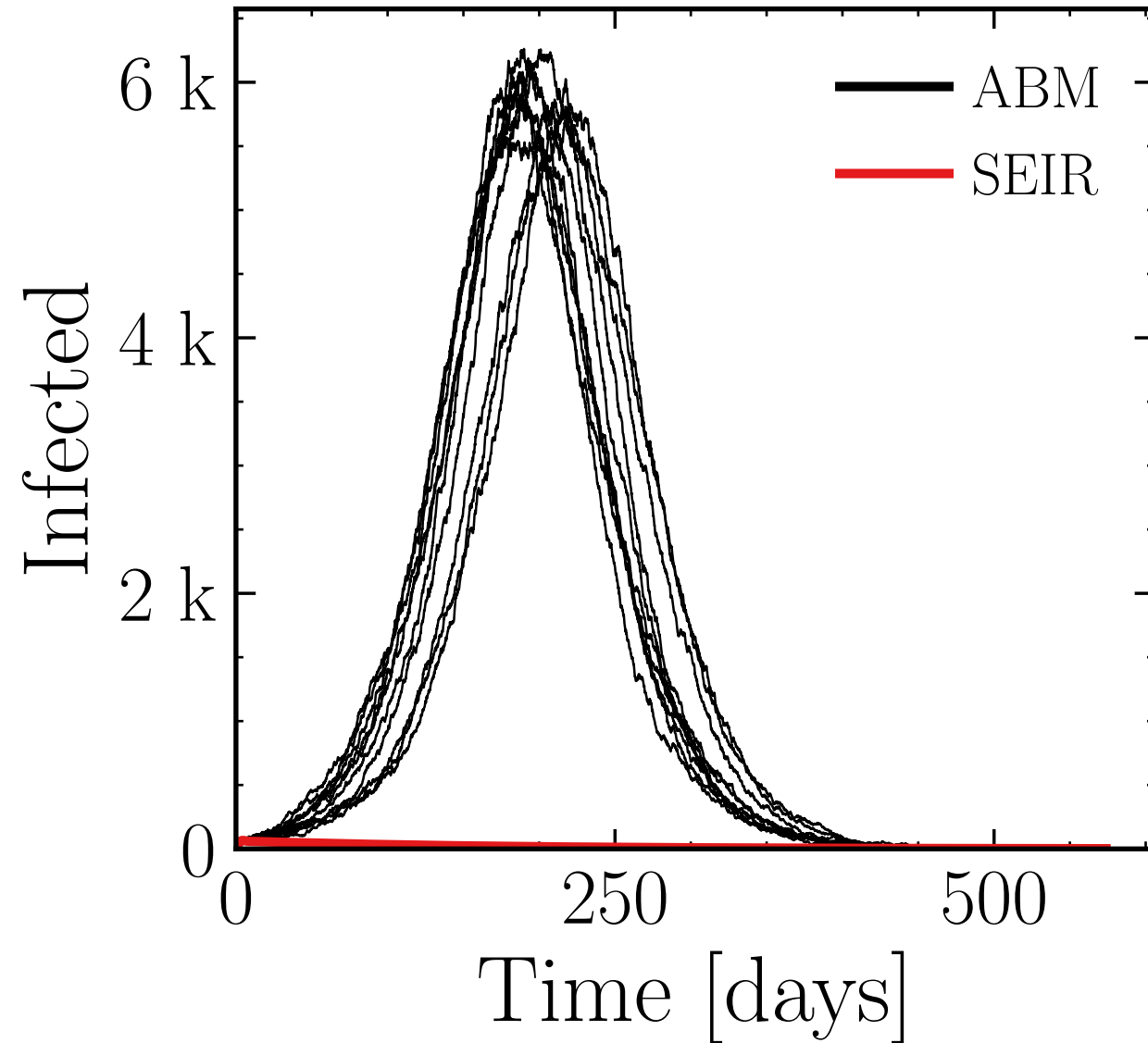
$$I_{\text{max}}^{\text{ABM}} = (74 \pm 1.7\%).$$

$$R_{\infty}^{\text{ABM}} = (1.5 \pm 1e + 01\%) \cdot 10^3$$

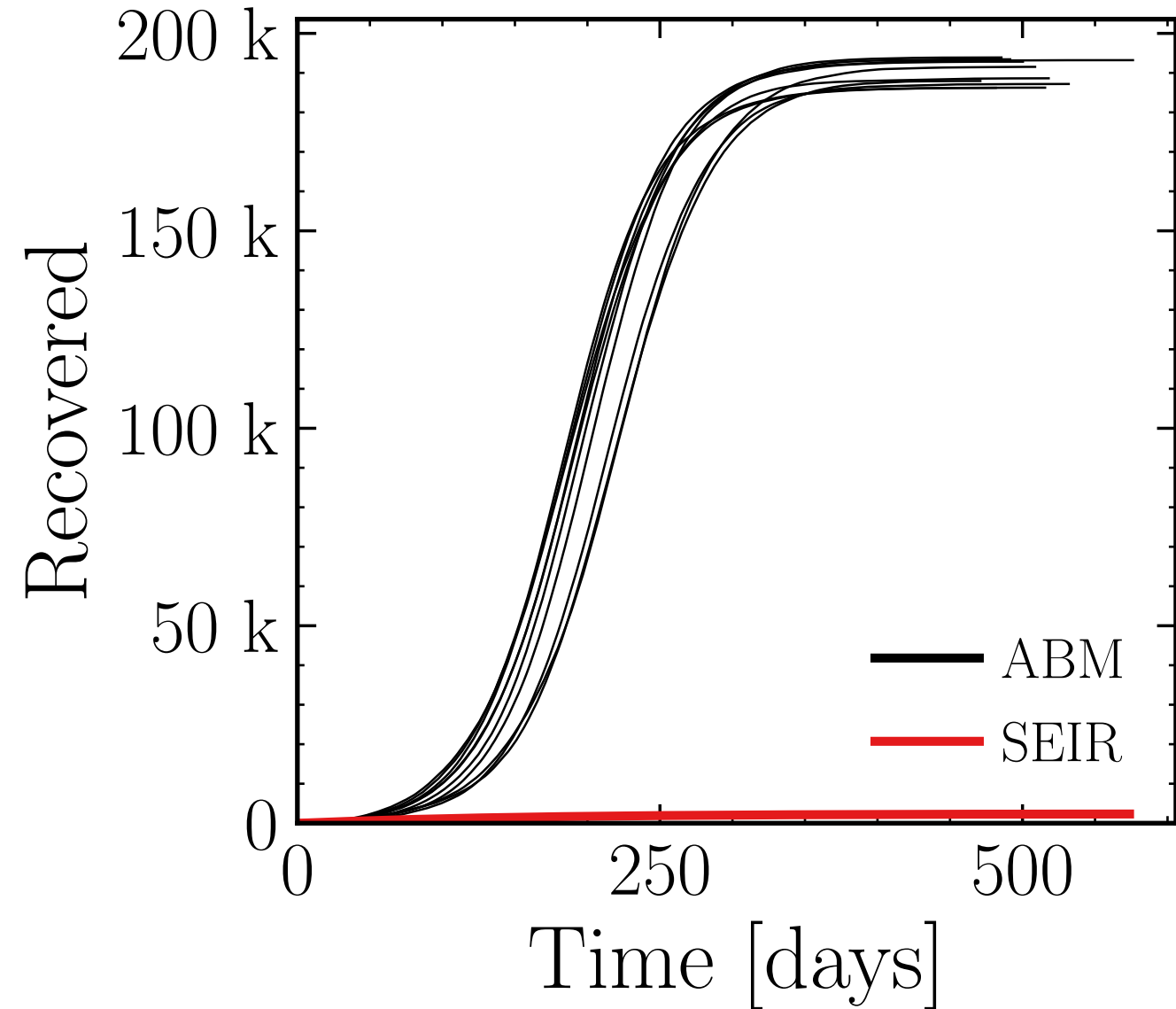


$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_{\rho} = 0.04$ ,  $\mu = 20$ ,  $\sigma_{\mu} = 0.0$ ,  $\beta = 0.012$ ,  $\sigma_{\beta} = 0.0$ , algo = 2,  $N_{\text{init}} = 100$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$ ,  $N_{\text{events}} = 500$ , event<sub>size<sub>max</sub></sub> = 50, v. = 1.0, hash = e6d88b91c1, #10

$$I_{\text{max}}^{\text{ABM}} = (5.96 \pm 1.1\%) \cdot 10^3$$



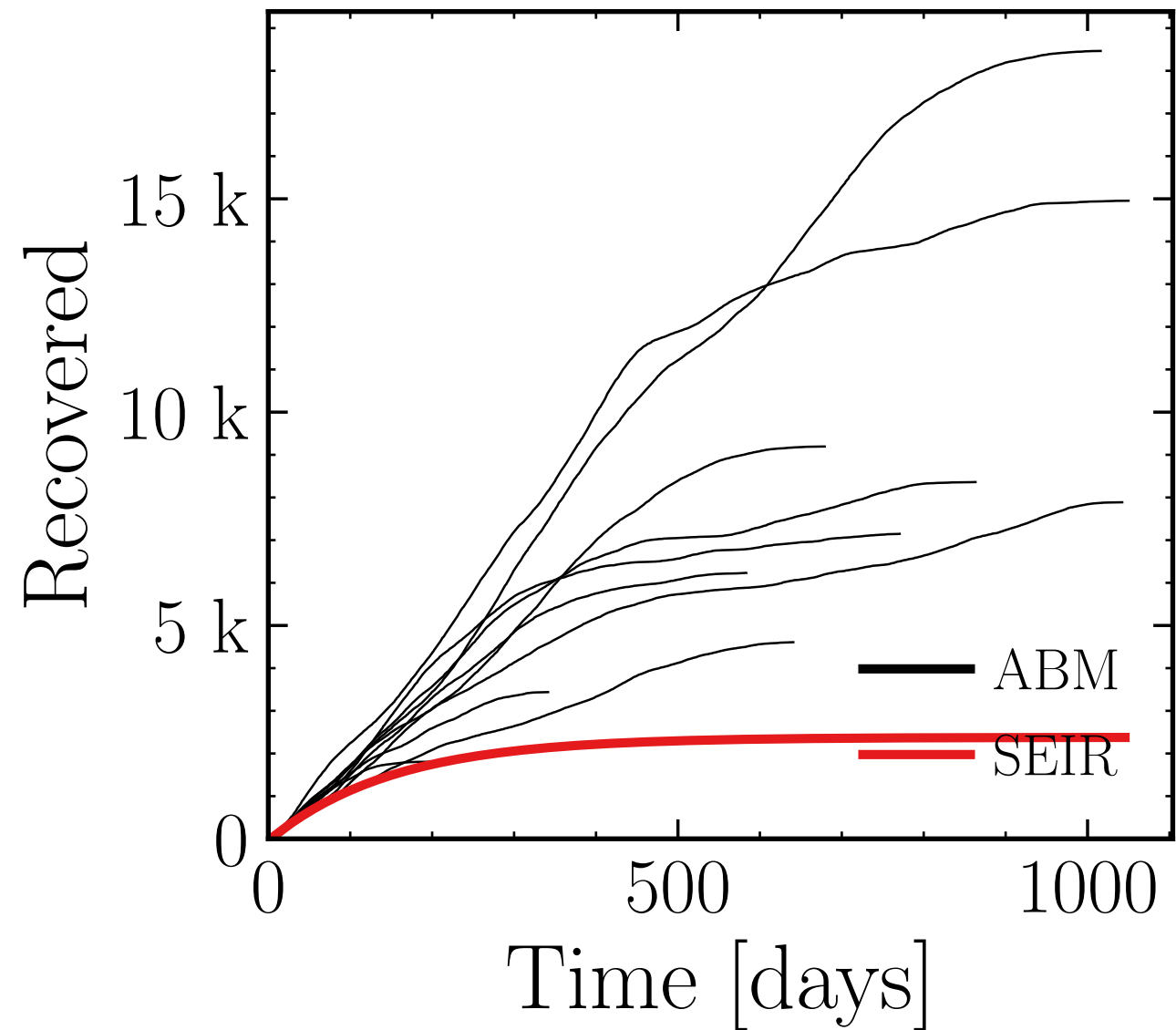
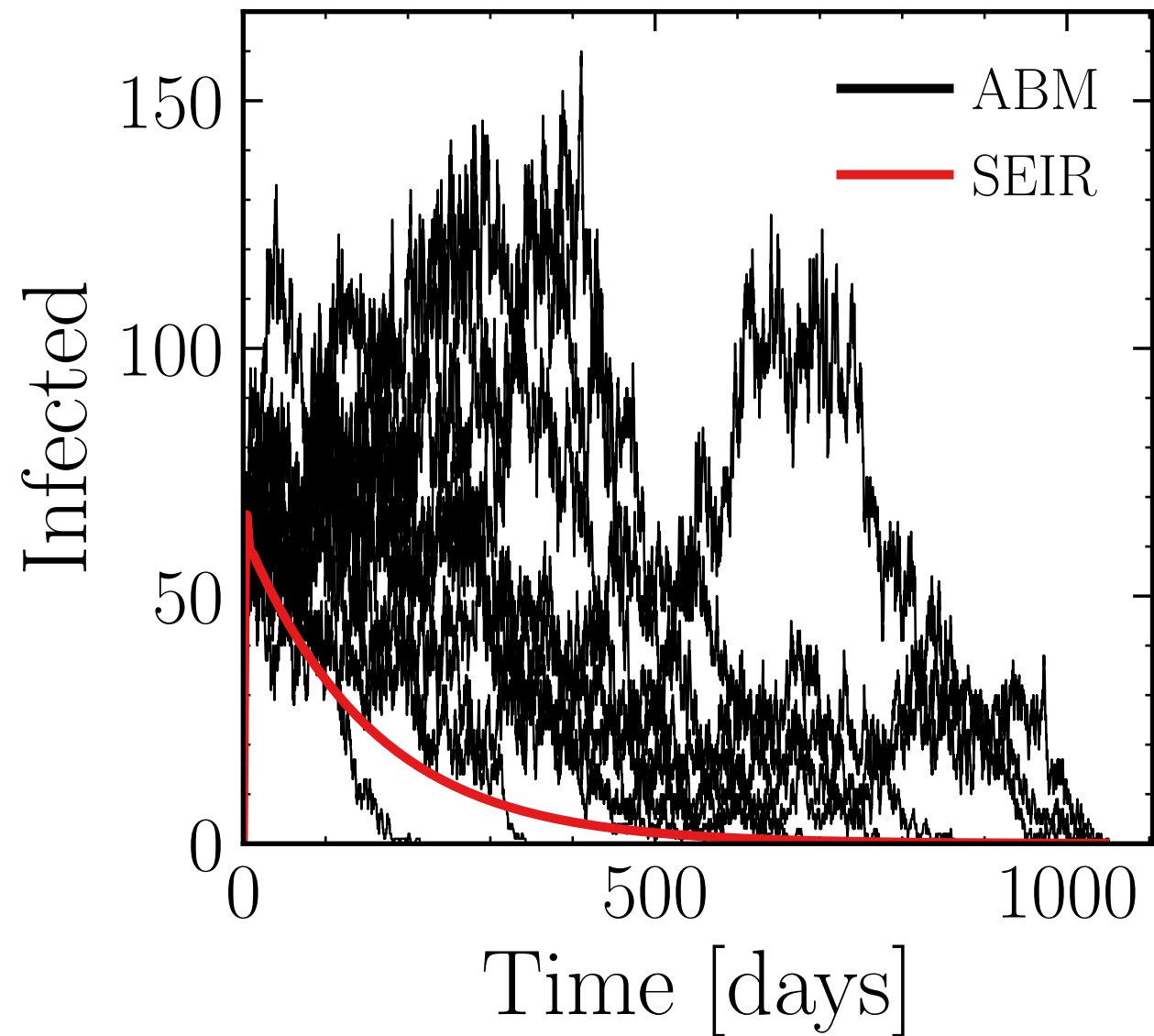
$$R_{\infty}^{\text{ABM}} = (190.1 \pm 0.5\%) \cdot 10^3$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_{\rho} = 0.04$ ,  $\mu = 20$ ,  $\sigma_{\mu} = 0.0$ ,  $\beta = 0.012$ ,  $\sigma_{\beta} = 0.0$ , algo = 2,  $N_{\text{init}} = 100$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$ ,  $N_{\text{events}} = 500$ , event<sub>size<sub>max</sub></sub> = 20, v. = 1.0, hash = *d06261f8d6*, #10

$$I_{\text{max}}^{\text{ABM}} = (109 \pm 7.9\%).$$

$$R_{\infty}^{\text{ABM}} = (8 \pm 1.9e + 01\%) \cdot 10^3$$

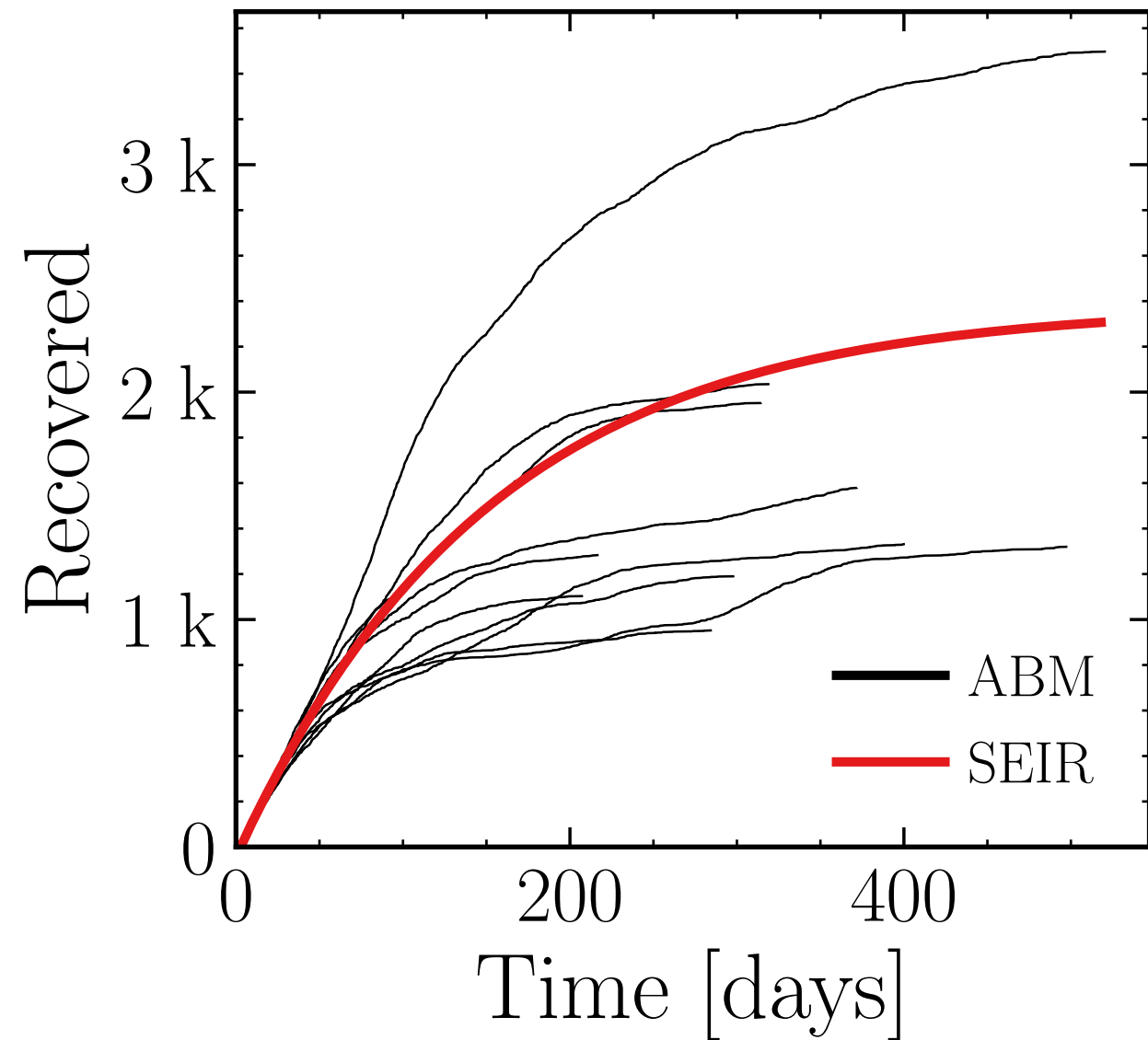
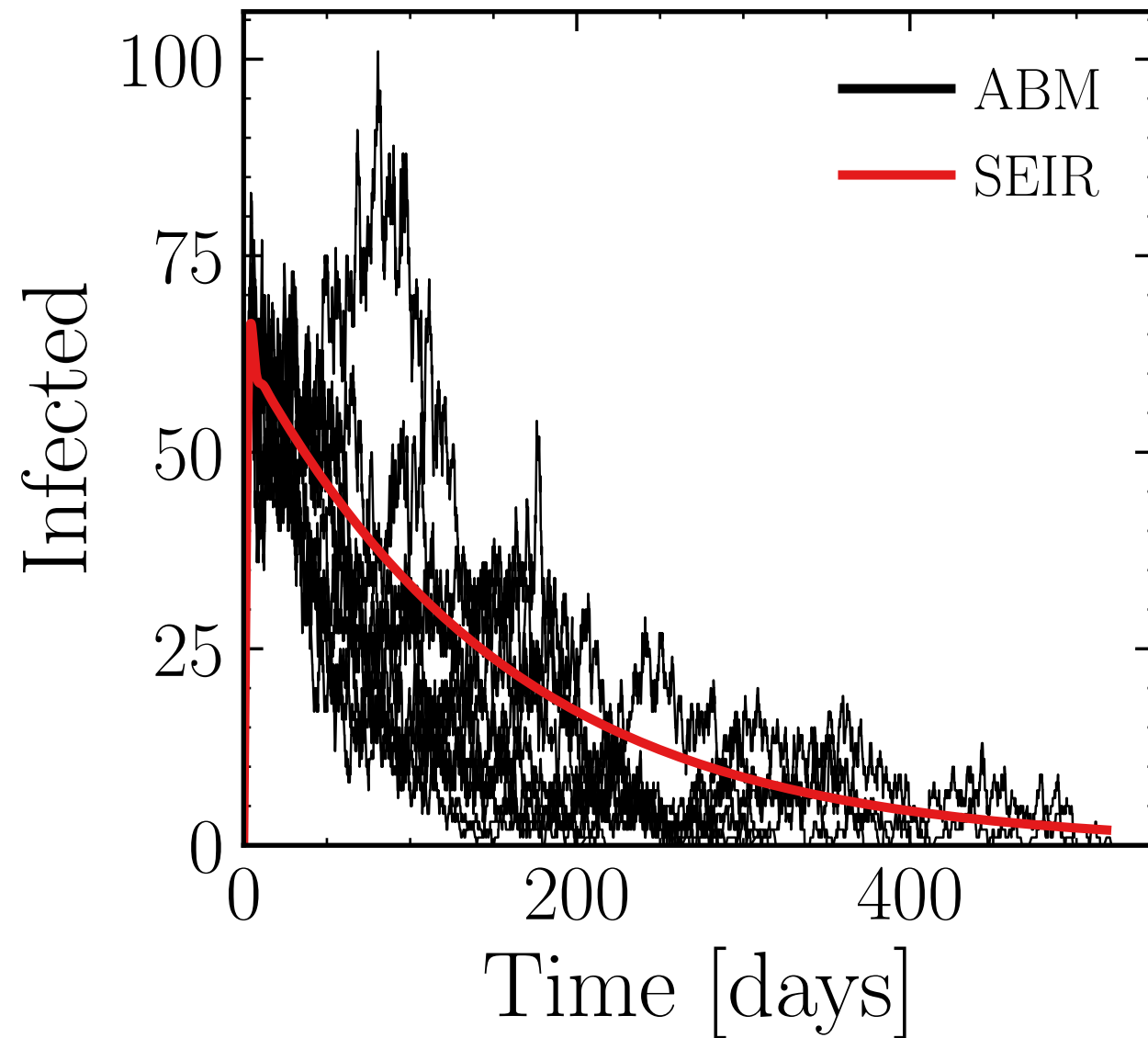


$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 20$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.012$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$ ,  $N_{\text{events}} = 500$ , event<sub>size<sub>max</sub></sub> = 10, v. = 1.0, hash = db83041479, #10

$$I_{\text{max}}^{\text{ABM}} = (74 \pm 4.0\%).$$

$$R_{\infty}^{\text{ABM}} = (1.6 \pm 1.4e + 01\%) \cdot 10^3$$

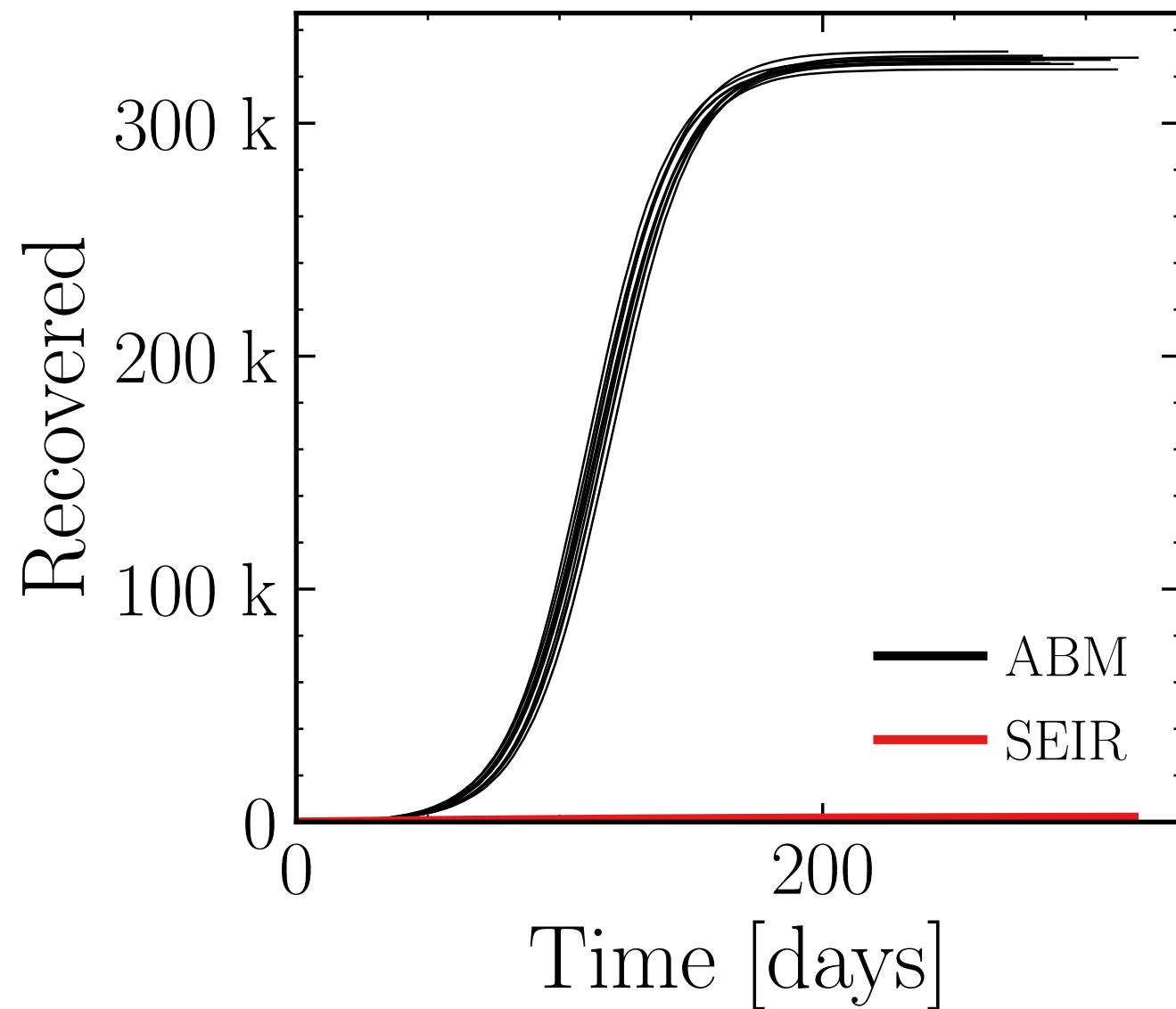
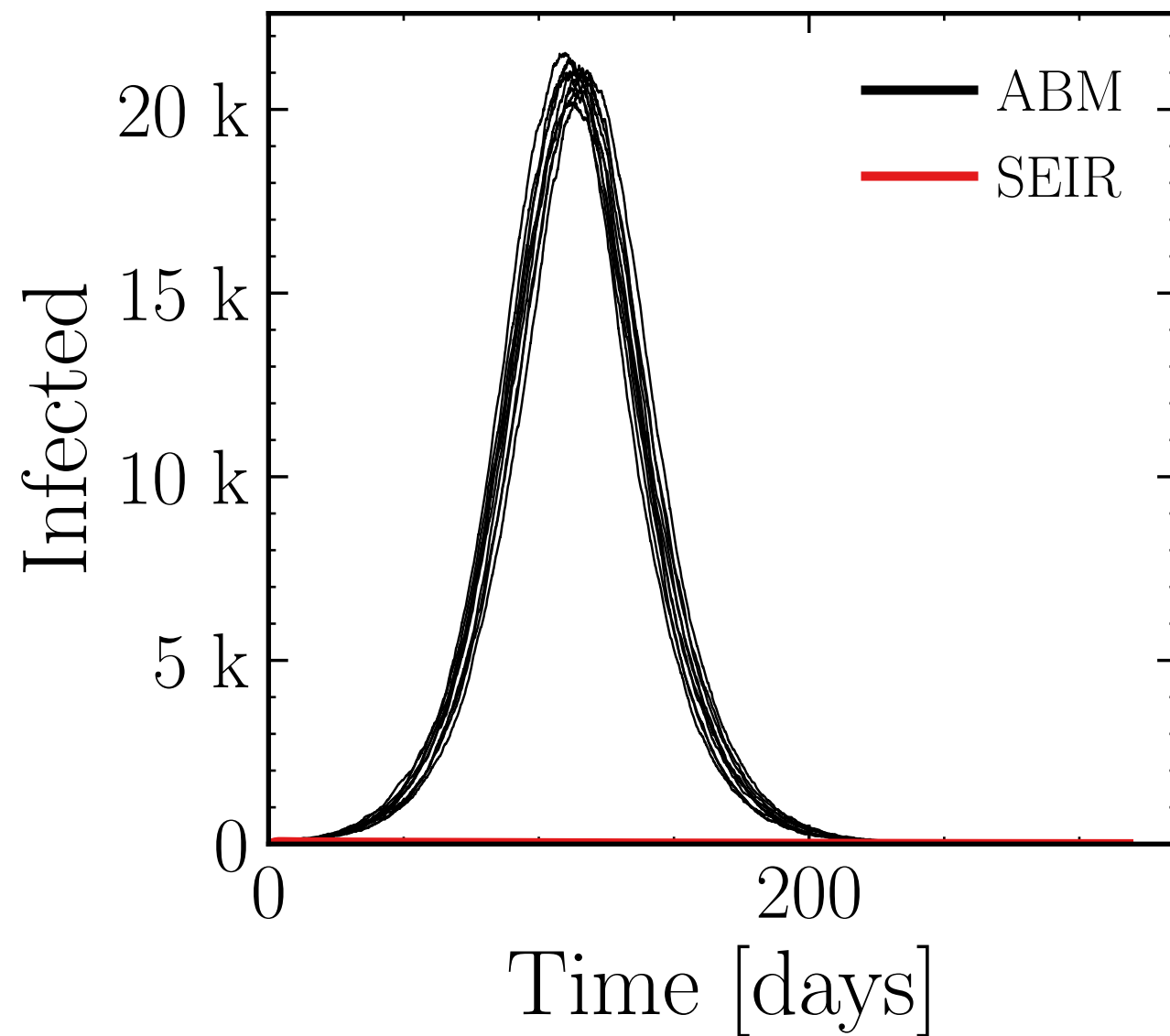


$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_{\rho} = 0.04$ ,  $\mu = 20$ ,  $\sigma_{\mu} = 0.0$ ,  $\beta = 0.012$ ,  $\sigma_{\beta} = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$ ,  $N_{\text{events}} = 1K$ , event<sub>size<sub>max</sub></sub> = 50, v. = 1.0, hash = 3e3e7252c4, #10

$$I_{\text{max}}^{\text{ABM}} = (21 \pm 0.59\%) \cdot 10^3$$

$$R_{\infty}^{\text{ABM}} = (326.8 \pm 0.2\%) \cdot 10^3$$

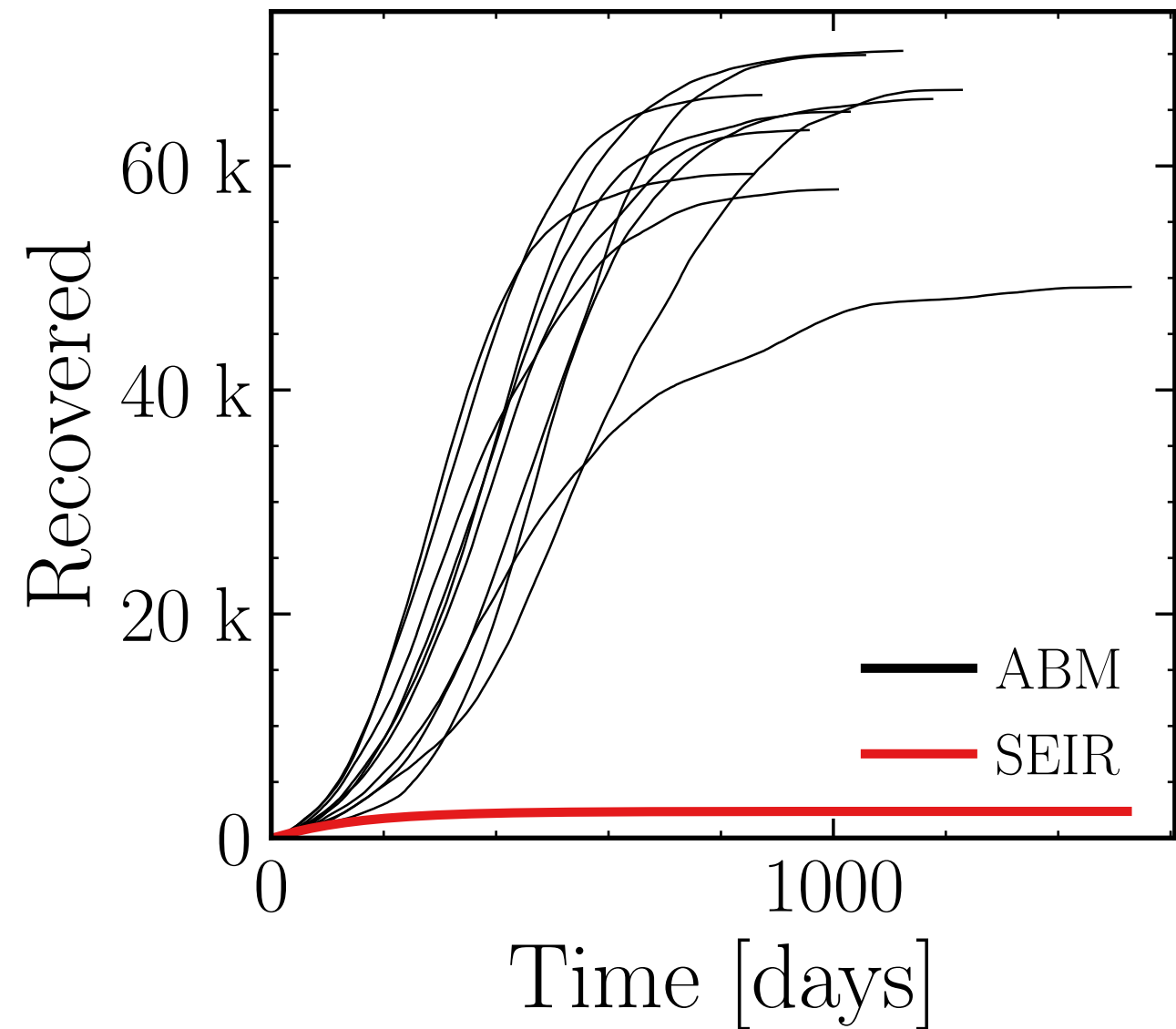
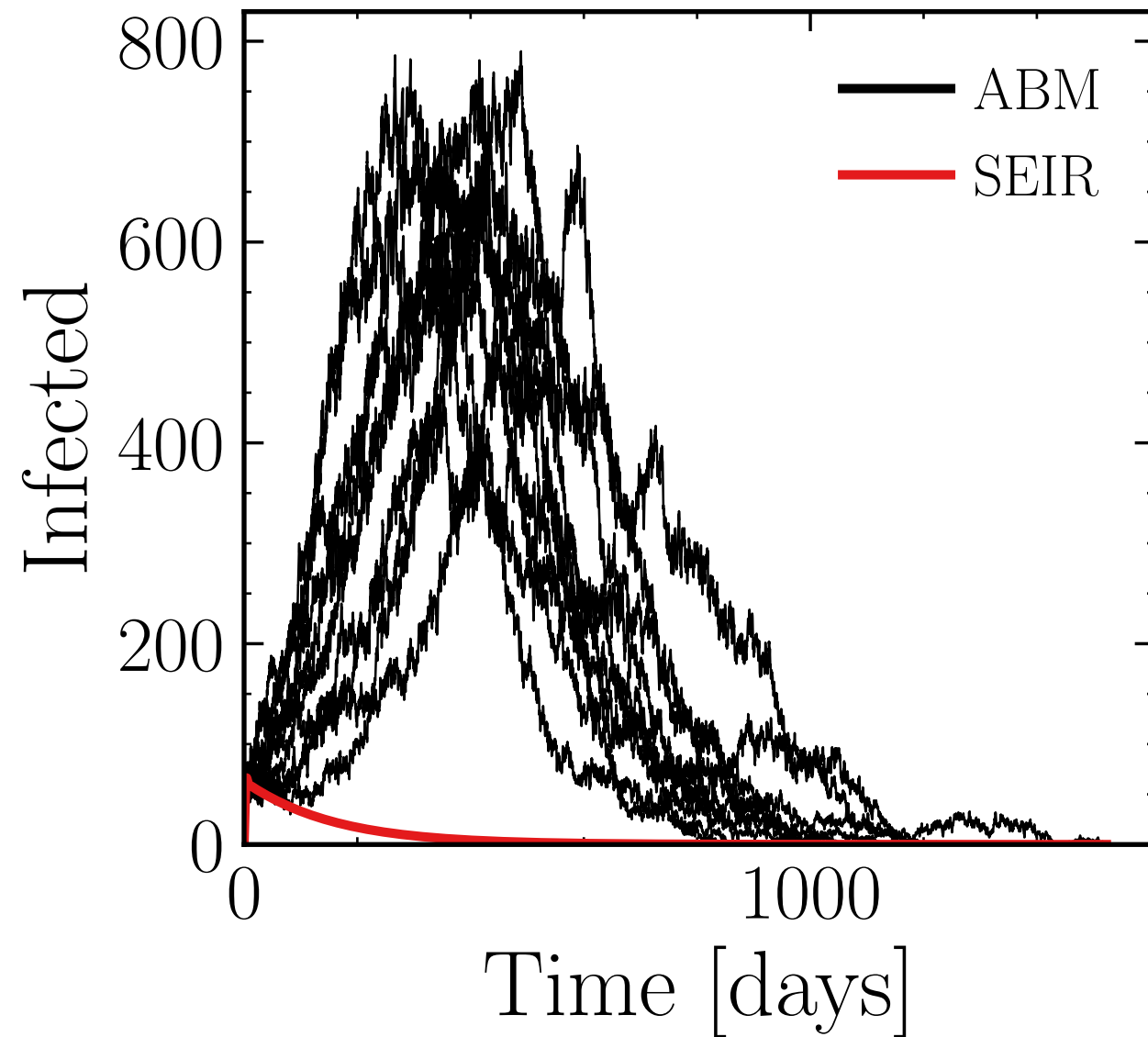




$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 20$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.012$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$ ,  $N_{\text{events}} = 1K$ , event<sub>size<sub>max</sub></sub> = 20, v. = 1.0, hash = 1db0a83f57, #10

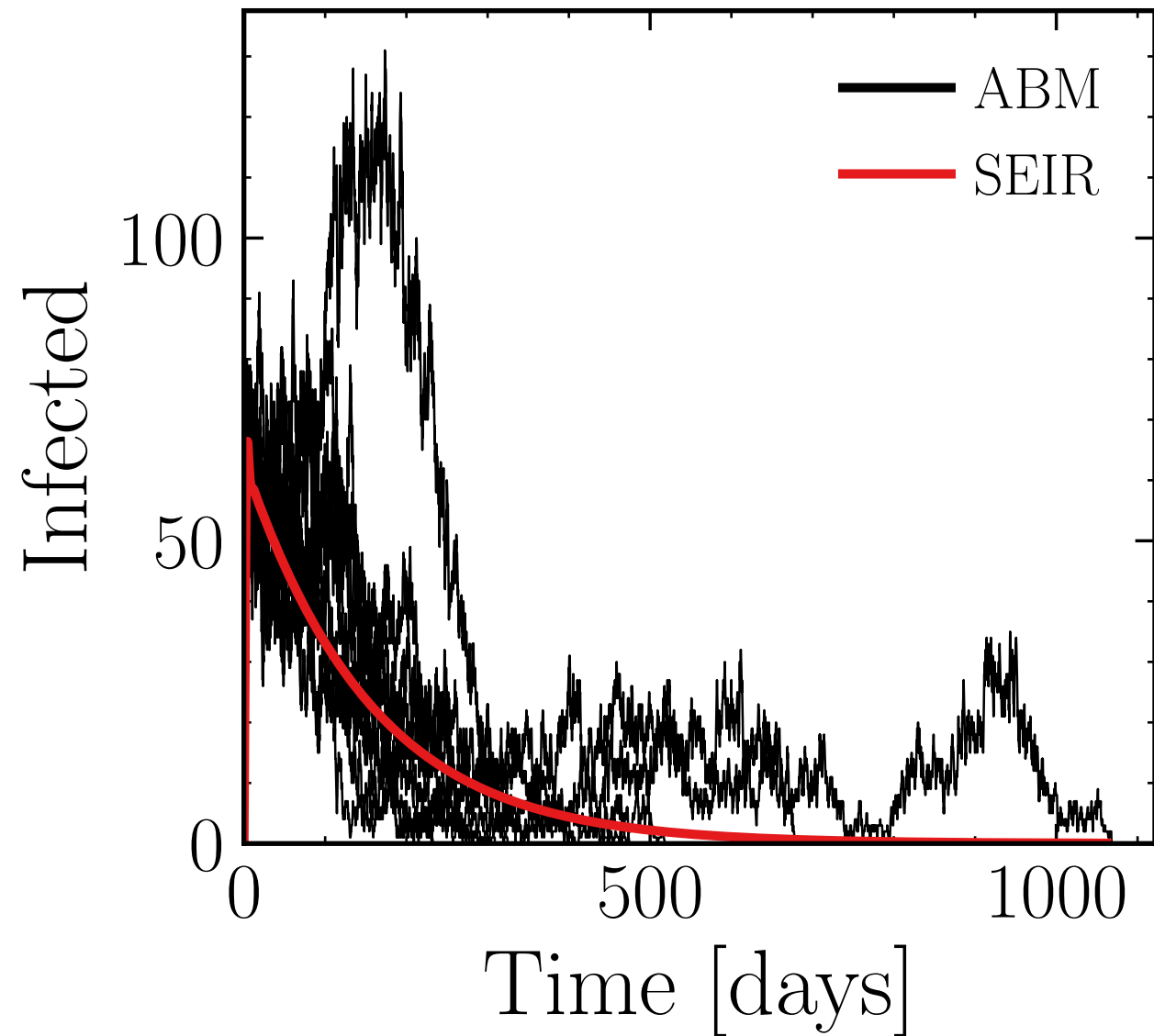
$$I_{\text{max}}^{\text{ABM}} = (680 \pm 4.9\%).$$

$$R_{\infty}^{\text{ABM}} = (63 \pm 3.0\%) \cdot 10^3$$

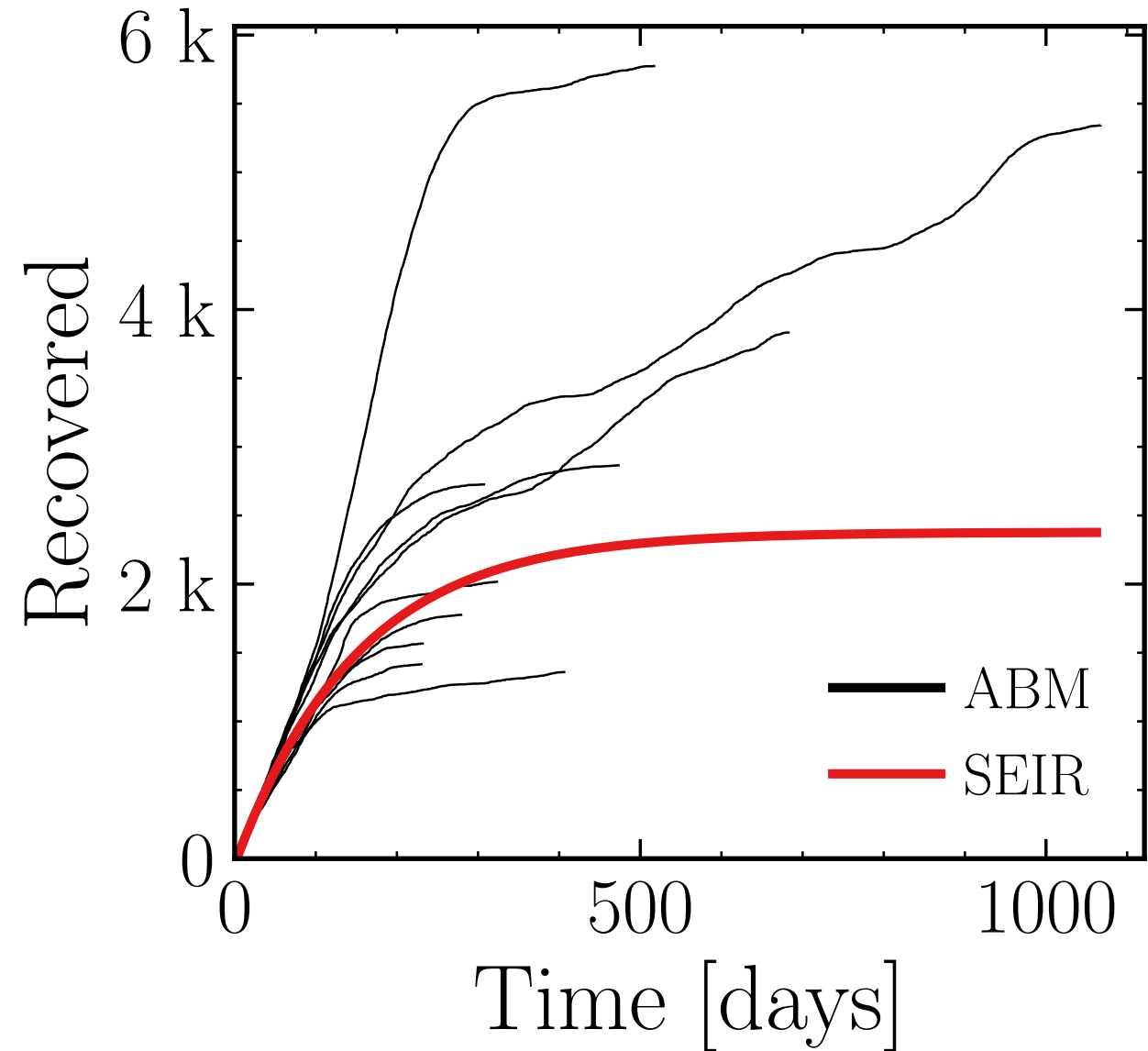


$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_{\rho} = 0.04$ ,  $\mu = 20$ ,  $\sigma_{\mu} = 0.0$ ,  $\beta = 0.012$ ,  $\sigma_{\beta} = 0.0$ , algo = 2,  $N_{\text{init}} = 100$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$ ,  $N_{\text{events}} = 1K$ , event<sub>size<sub>max</sub></sub> = 10, v. = 1.0, hash = a8234f919e, #10

$$I_{\text{max}}^{\text{ABM}} = (87 \pm 5.7\%).$$



$$R_{\infty}^{\text{ABM}} = (2.9 \pm 1.7e + 01\%) \cdot 10^3$$

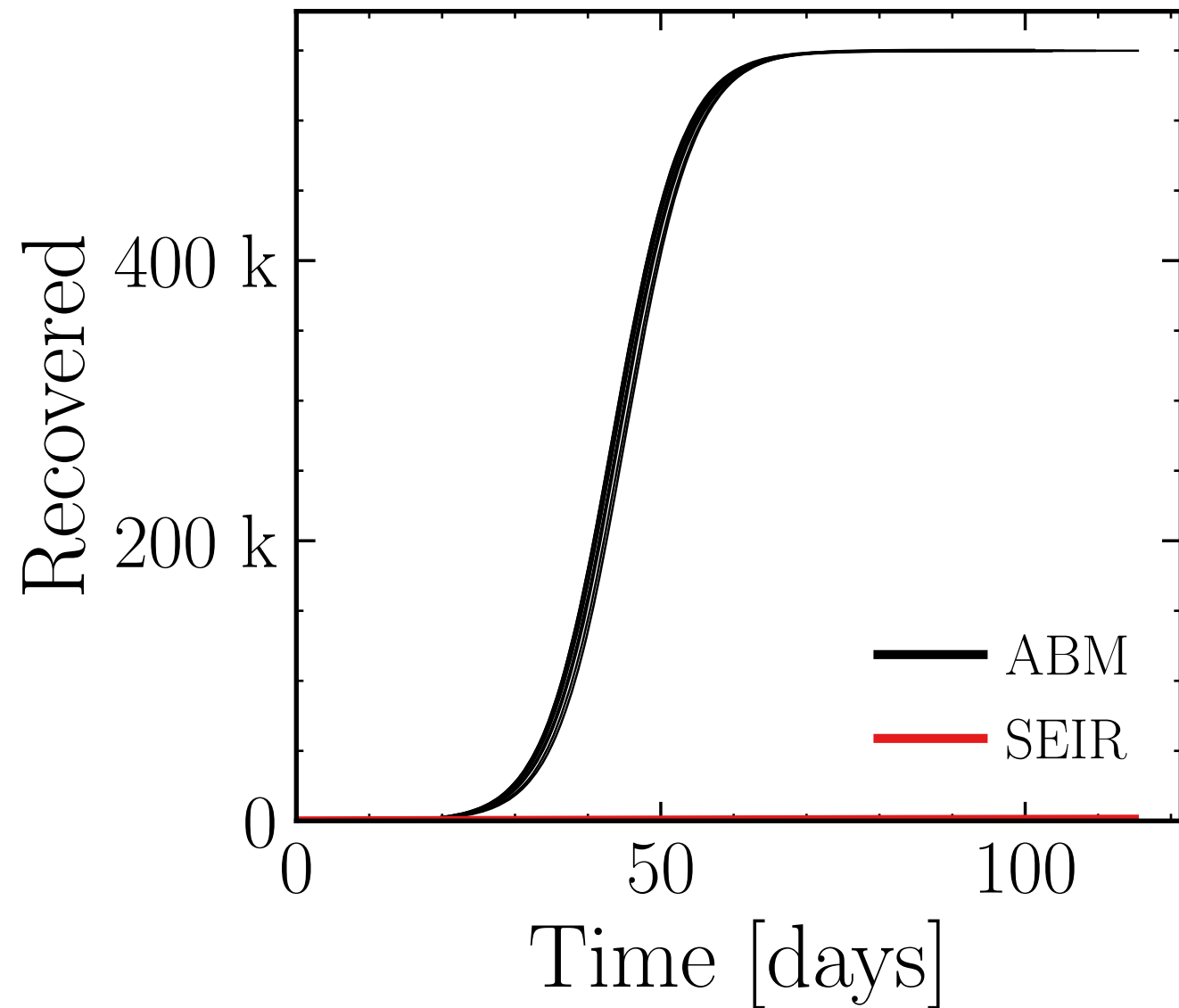
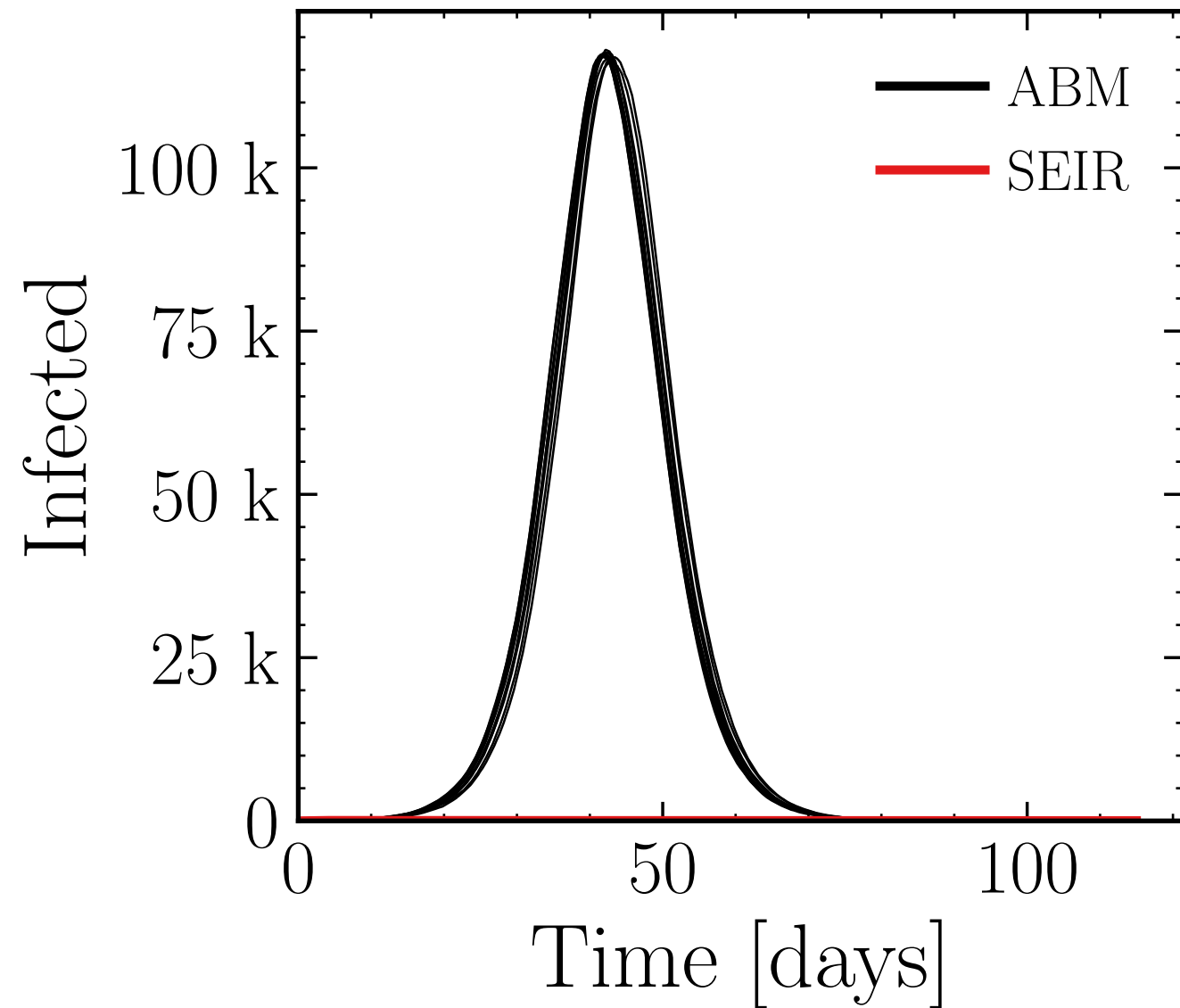


$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_{\rho} = 0.04$ ,  $\mu = 20$ ,  $\sigma_{\mu} = 0.0$ ,  $\beta = 0.012$ ,  $\sigma_{\beta} = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$ ,  $N_{\text{events}} = 5K$ , event<sub>size<sub>max</sub></sub> = 50, v. = 1.0, hash = 094261d298, #10

$$I_{\text{max}}^{\text{ABM}} = (117.3 \pm 0.12\%) \cdot 10^3$$

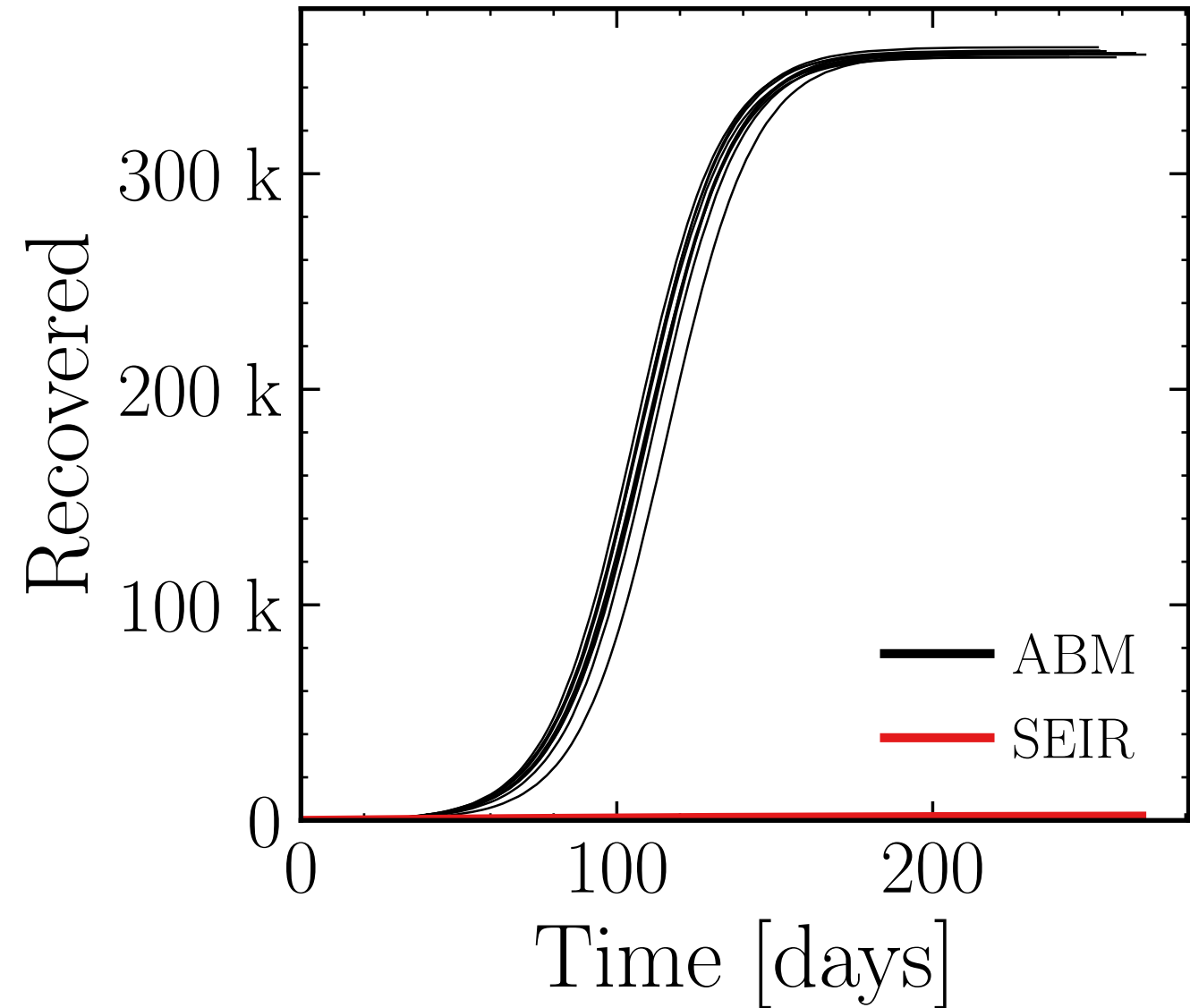
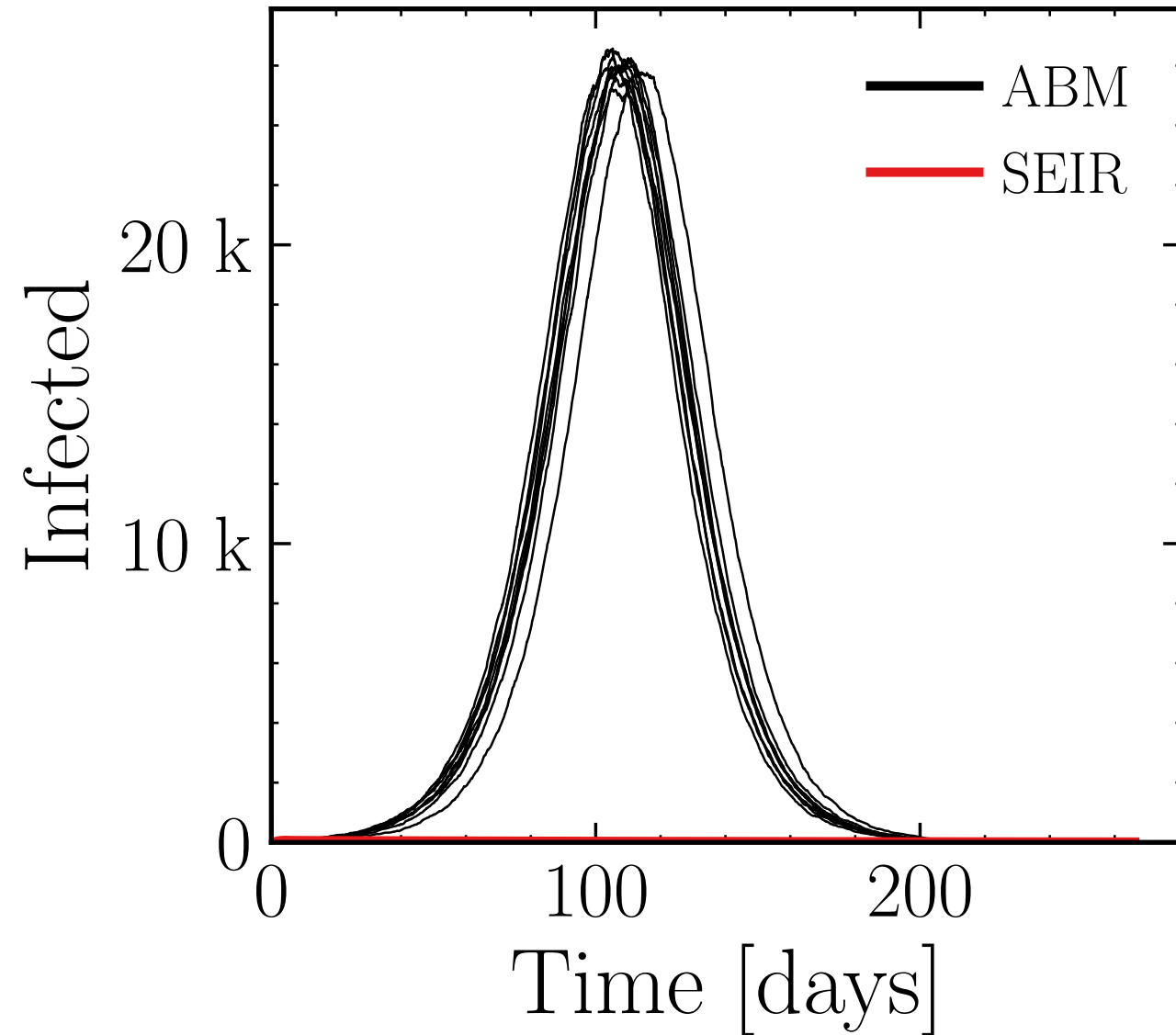
$$R_{\infty}^{\text{ABM}} = (549.91 \pm 0.015\%) \cdot 10^3$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_{\rho} = 0.04$ ,  $\mu = 20$ ,  $\sigma_{\mu} = 0.0$ ,  $\beta = 0.012$ ,  $\sigma_{\beta} = 0.0$ , algo = 2,  $N_{\text{init}} = 100$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$ ,  $N_{\text{events}} = 5K$ , event<sub>size<sub>max</sub></sub> = 20, v. = 1.0, hash = *e7983dbda2*, #10

$$I_{\text{max}}^{\text{ABM}} = (26.1 \pm 0.47\%) \cdot 10^3$$

$$R_{\infty}^{\text{ABM}} = (355.9 \pm 0.12\%) \cdot 10^3$$

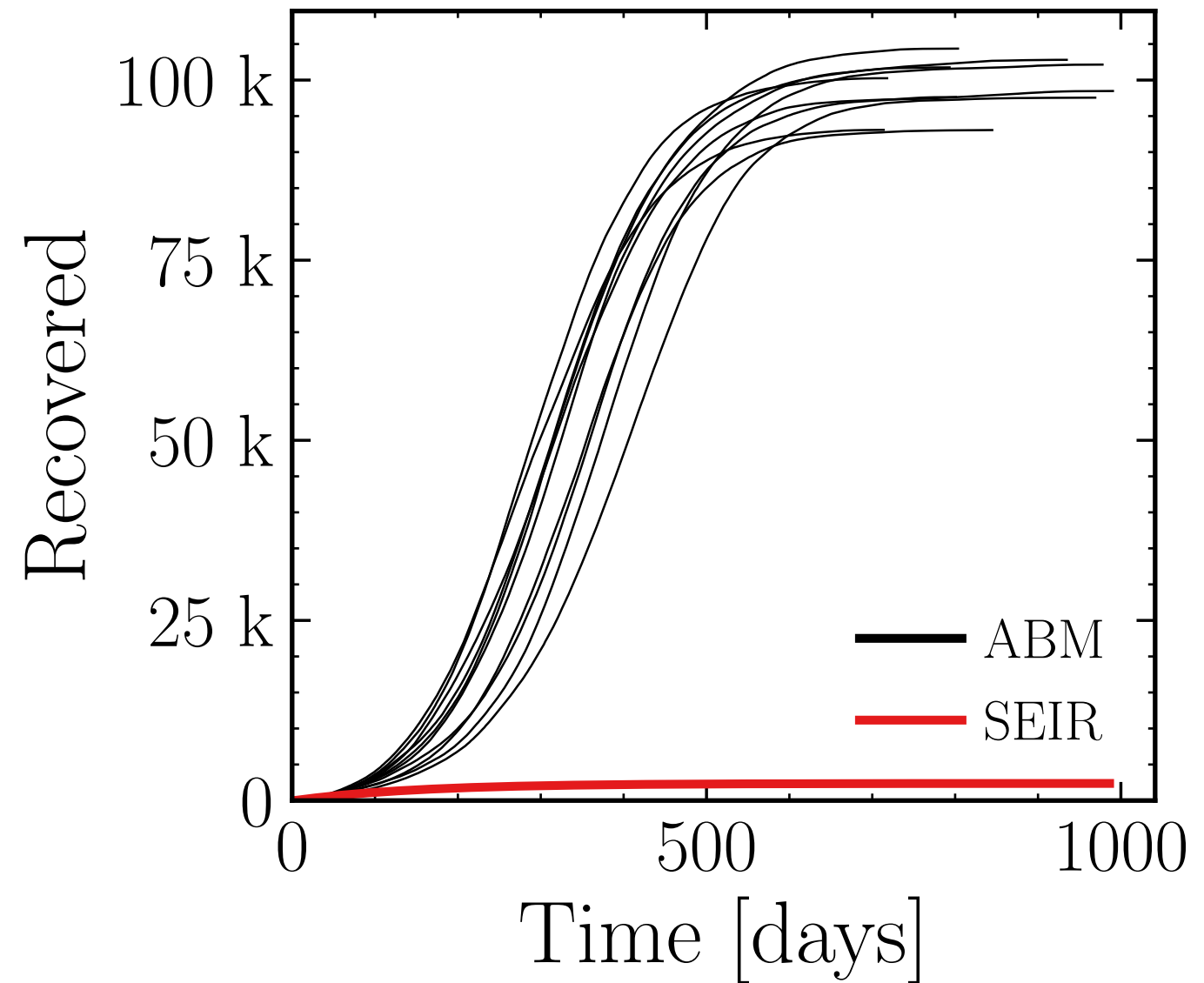
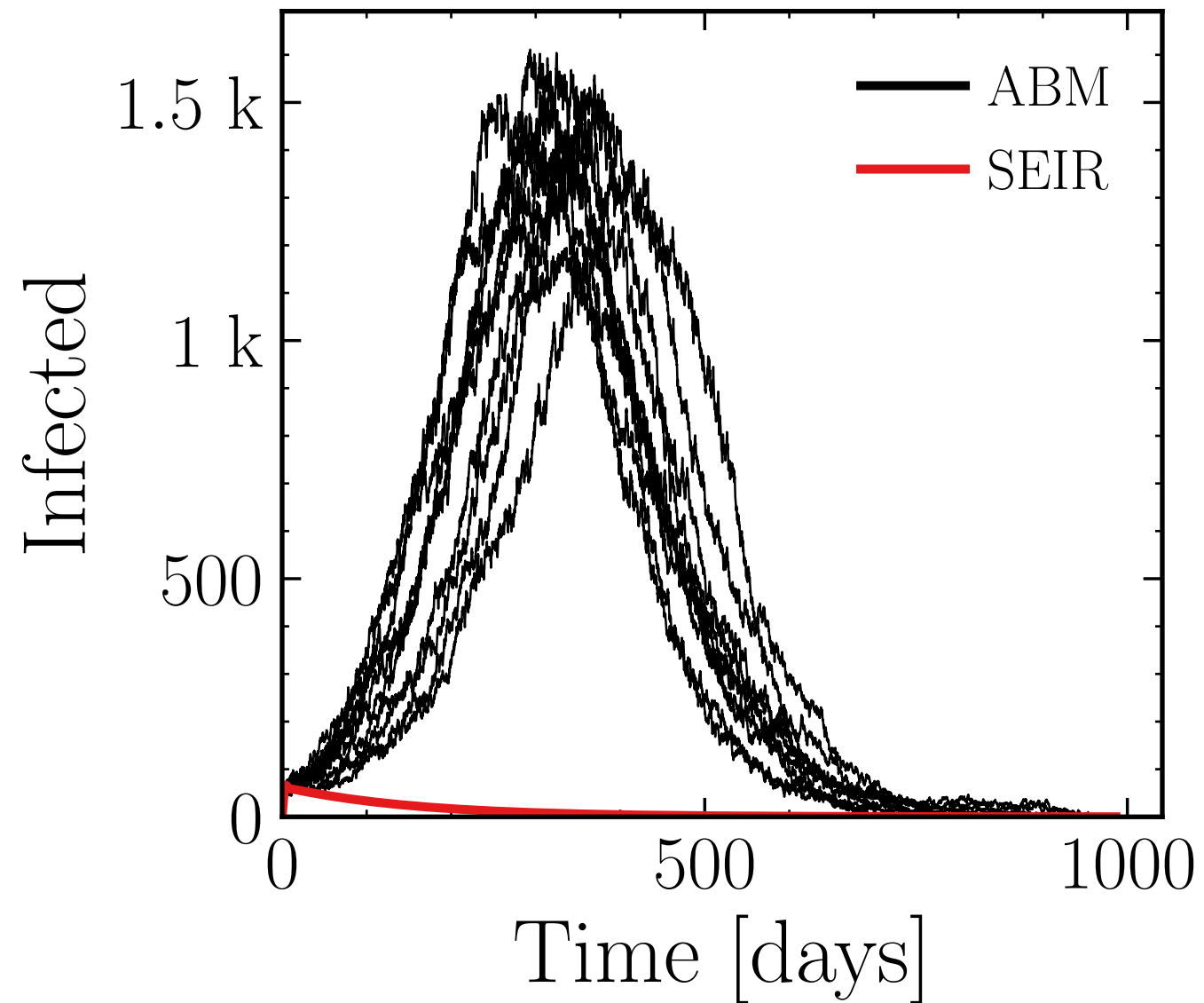


$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_{\rho} = 0.04$ ,  $\mu = 20$ ,  $\sigma_{\mu} = 0.0$ ,  $\beta = 0.012$ ,  $\sigma_{\beta} = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$ ,  $N_{\text{events}} = 5K$ , event<sub>size<sub>max</sub></sub> = 10, v. = 1.0, hash = f794307311, #10

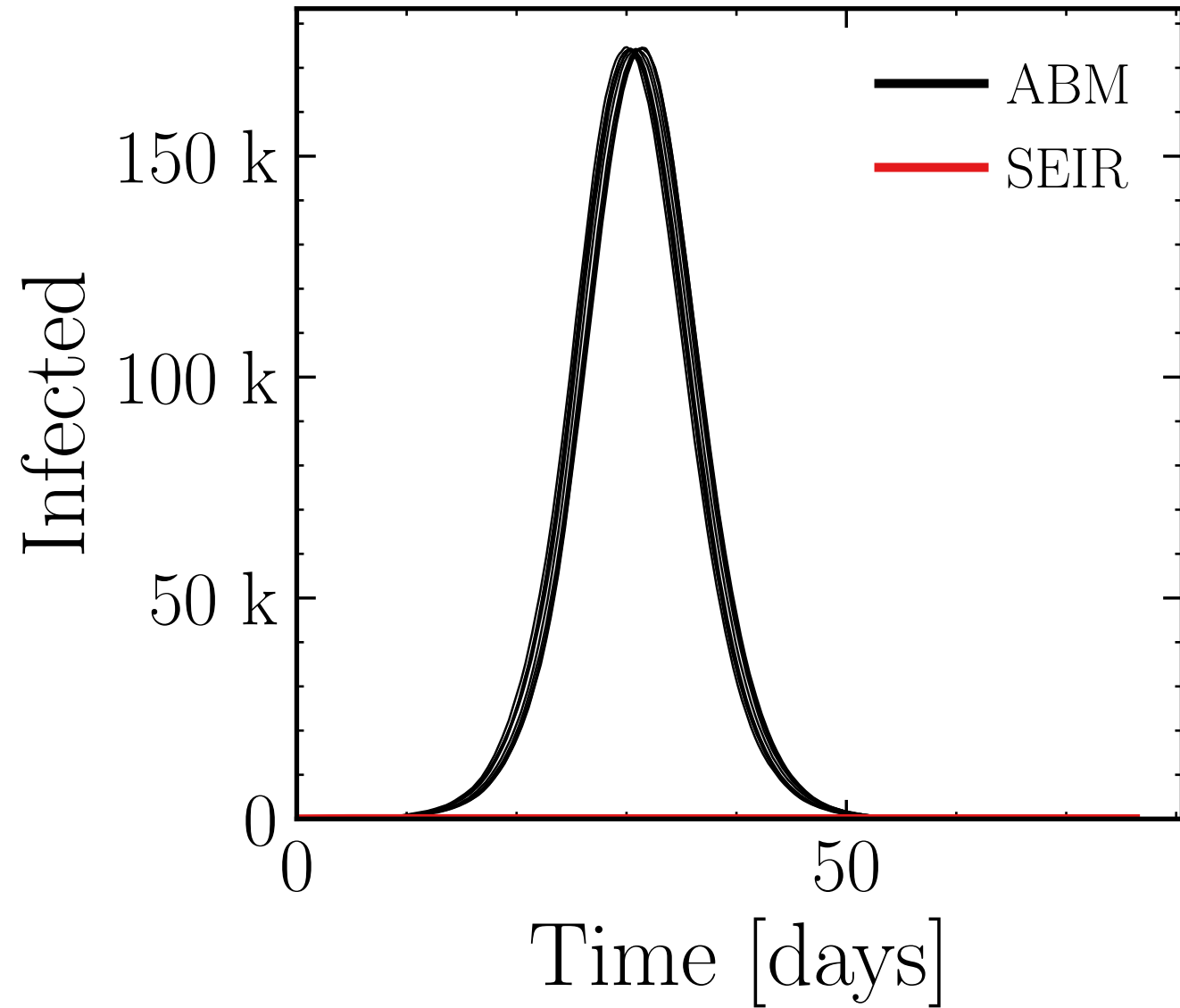
$$I_{\text{max}}^{\text{ABM}} = (1.5 \pm 1.9\%) \cdot 10^3$$

$$R_{\infty}^{\text{ABM}} = (99 \pm 1.2\%) \cdot 10^3$$

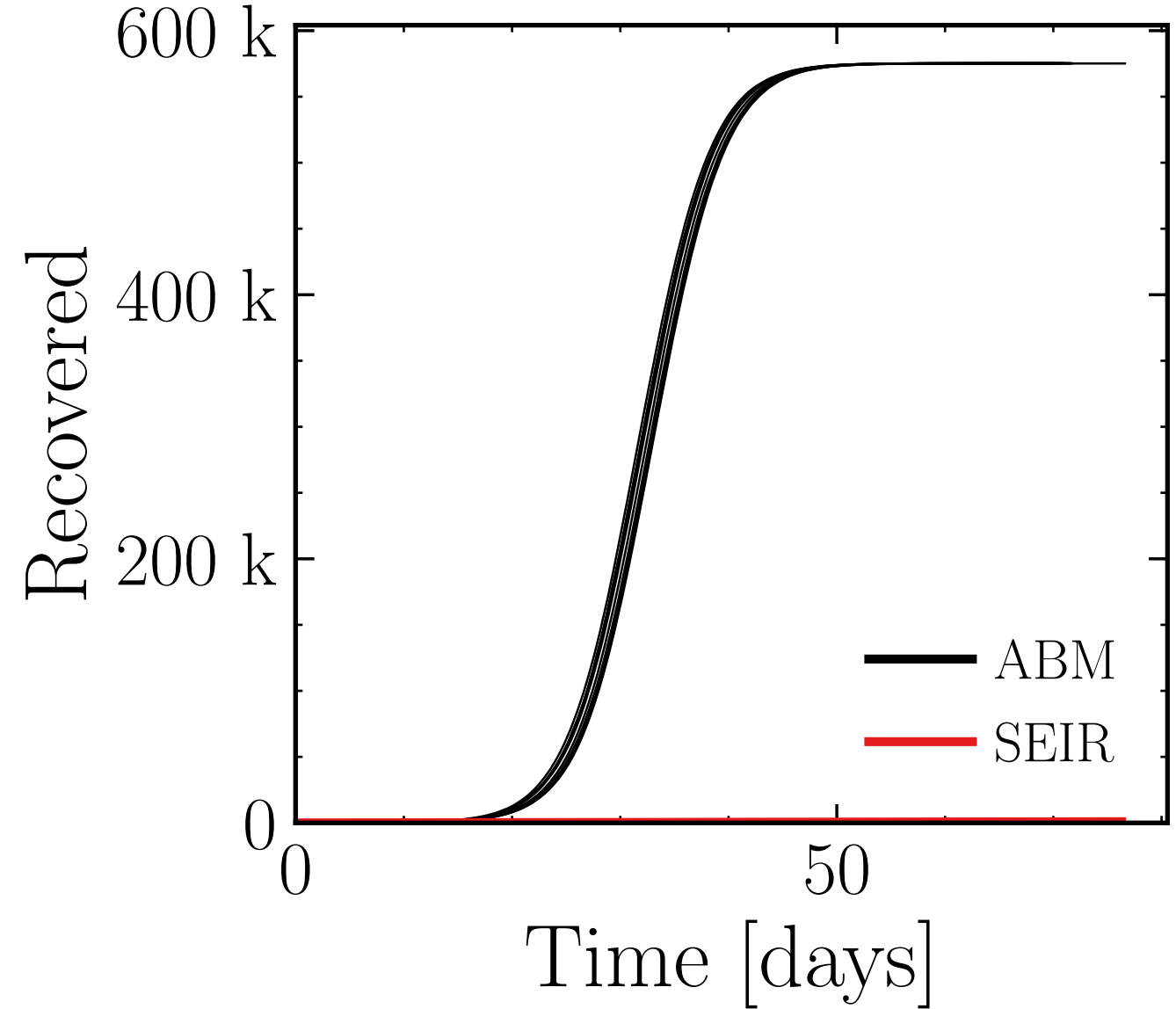


$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_{\rho} = 0.04$ ,  $\mu = 20$ ,  $\sigma_{\mu} = 0.0$ ,  $\beta = 0.012$ ,  $\sigma_{\beta} = 0.0$ , algo = 2,  $N_{\text{init}} = 100$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$ ,  $N_{\text{events}} = 10K$ , event<sub>size<sub>max</sub></sub> = 50, v. = 1.0, hash = c1d125852d, #10

$$I_{\text{max}}^{\text{ABM}} = (174.29 \pm 0.037\%) \cdot 10^3$$

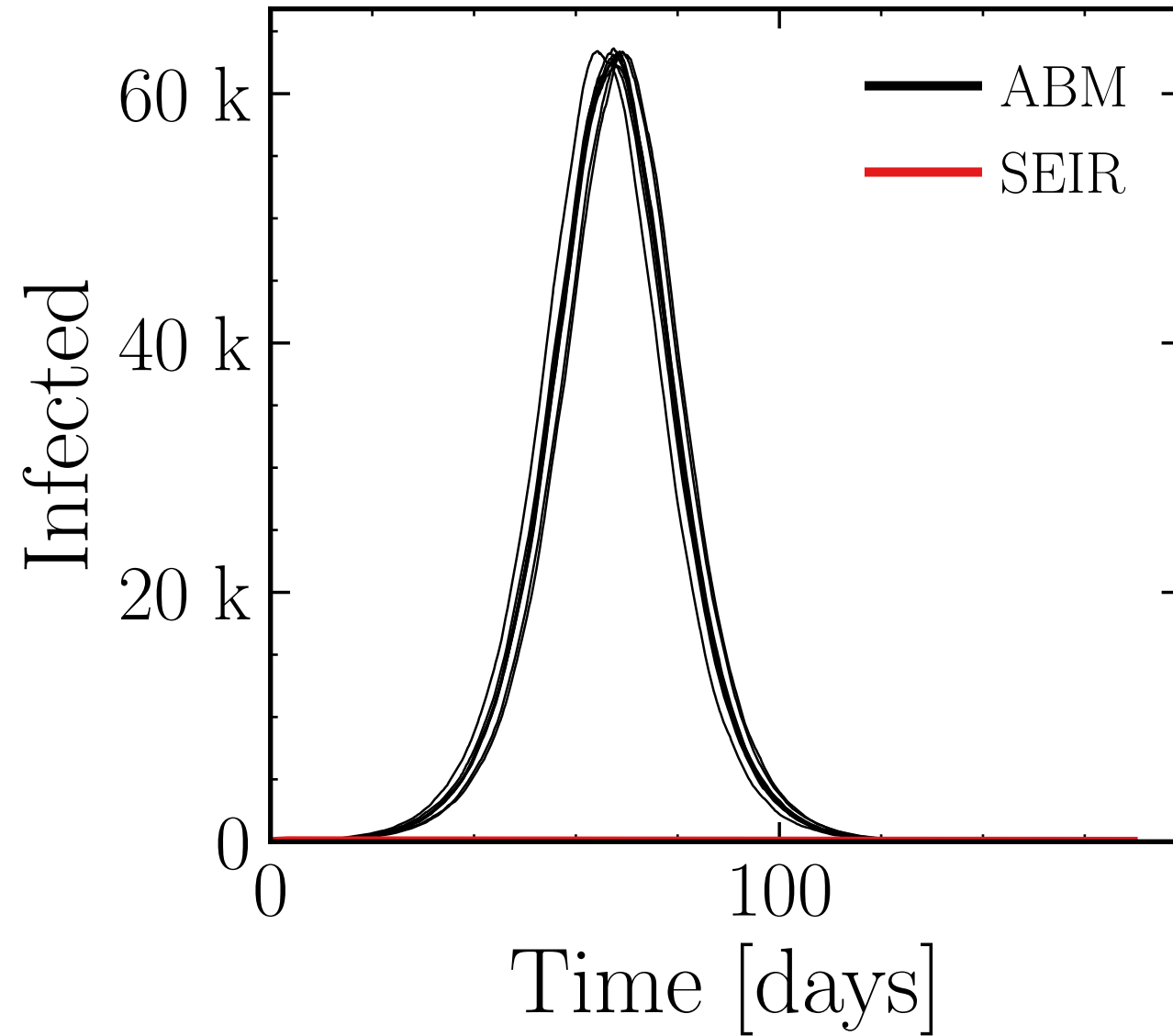


$$R_{\infty}^{\text{ABM}} = (575.28 \pm 0.0036\%) \cdot 10^3$$

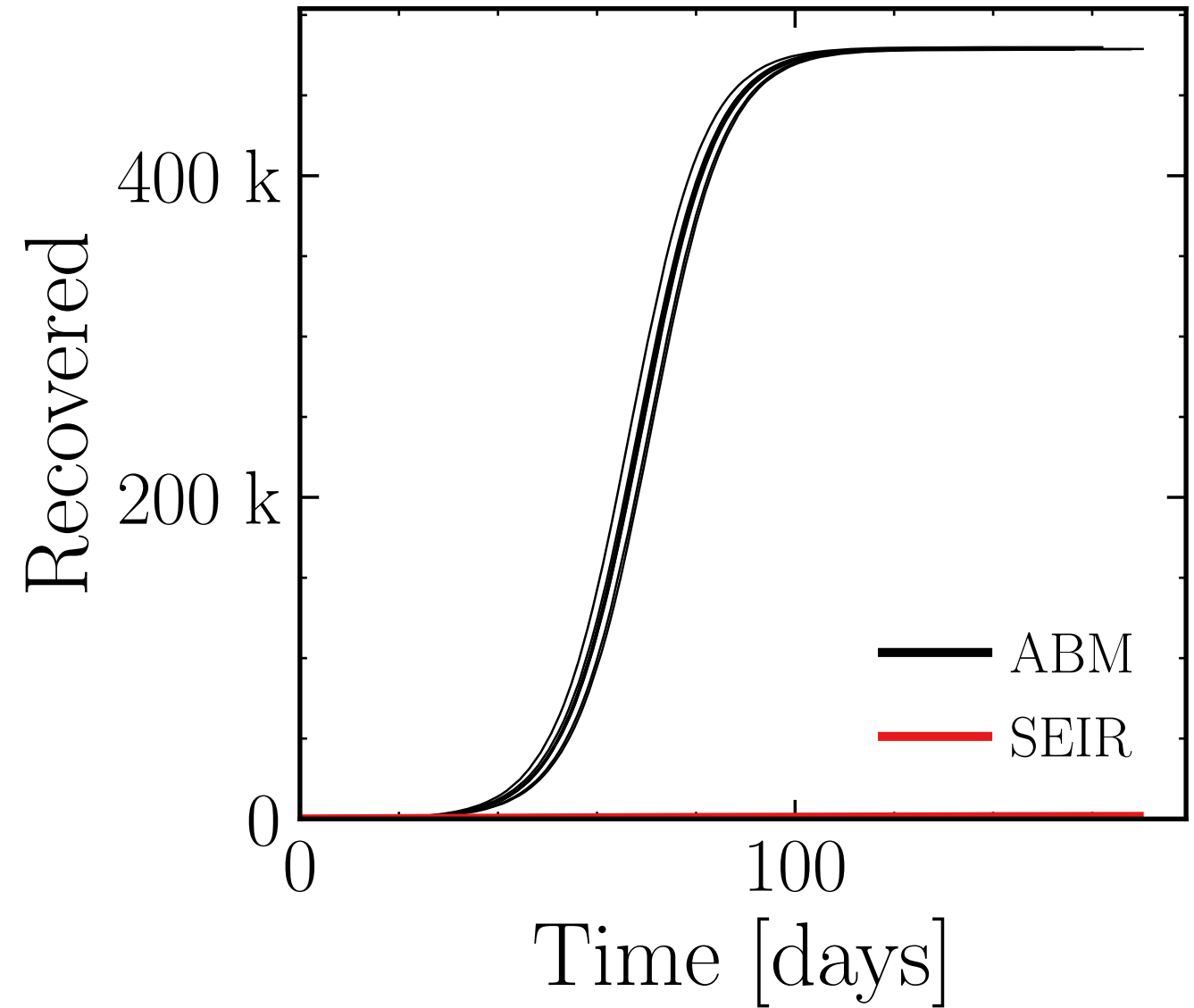


$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 20$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.012$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$ ,  $N_{\text{events}} = 10K$ , event<sub>size<sub>max</sub></sub> = 20, v. = 1.0, hash = 093c82da49, #10

$$I_{\text{max}}^{\text{ABM}} = (63.1 \pm 0.2\%) \cdot 10^3$$

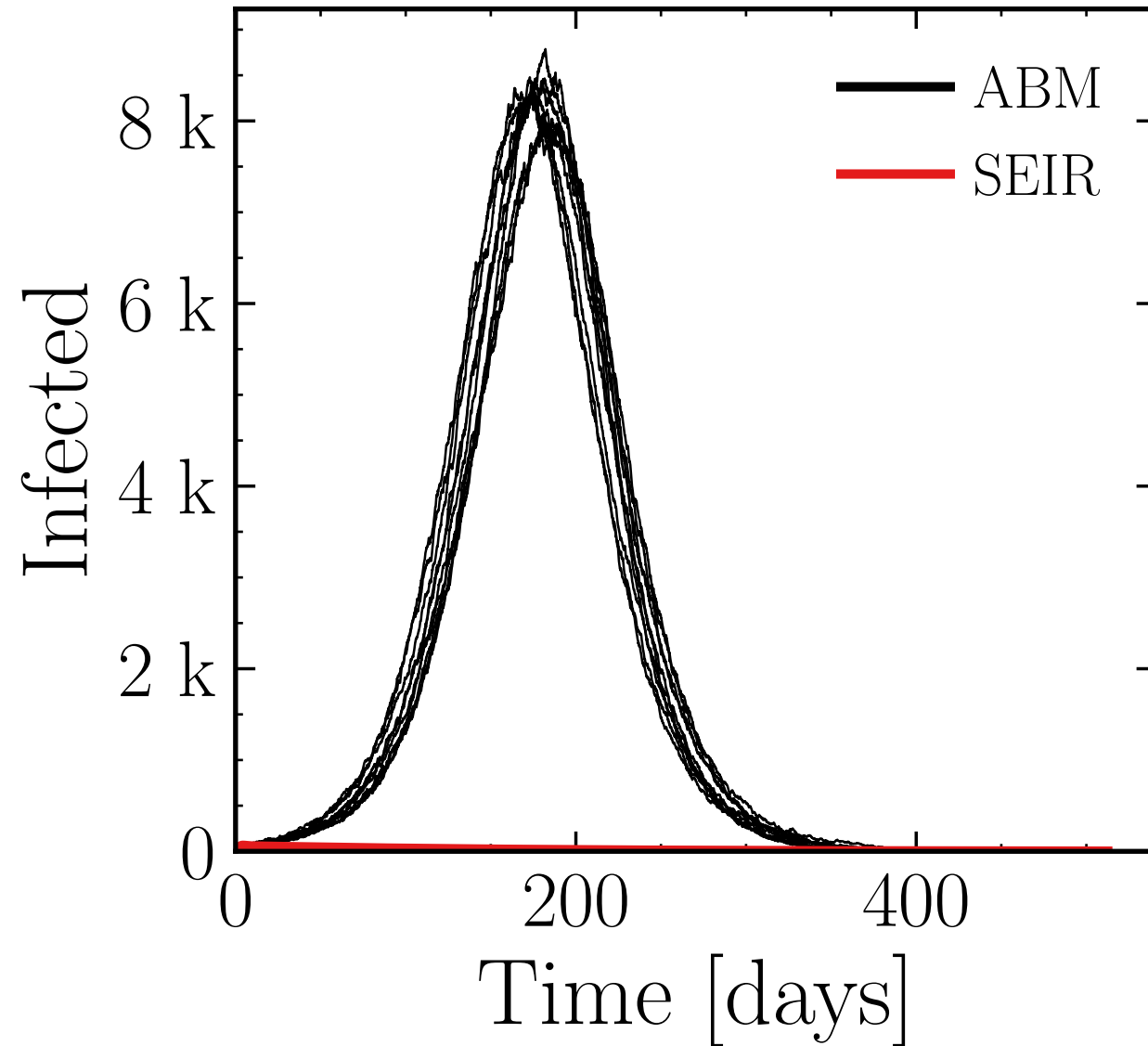


$$R_{\infty}^{\text{ABM}} = (479.1 \pm 0.033\%) \cdot 10^3$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 20$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.012$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$ ,  $N_{\text{events}} = 10K$ , event<sub>size<sub>max</sub></sub> = 10, v. = 1.0, hash = *f4bd9dce5b*, #10

$$I_{\text{max}}^{\text{ABM}} = (8.3 \pm 0.9\%) \cdot 10^3$$



$$R_{\infty}^{\text{ABM}} = (220.7 \pm 0.21\%) \cdot 10^3$$

