

$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 20.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.012$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

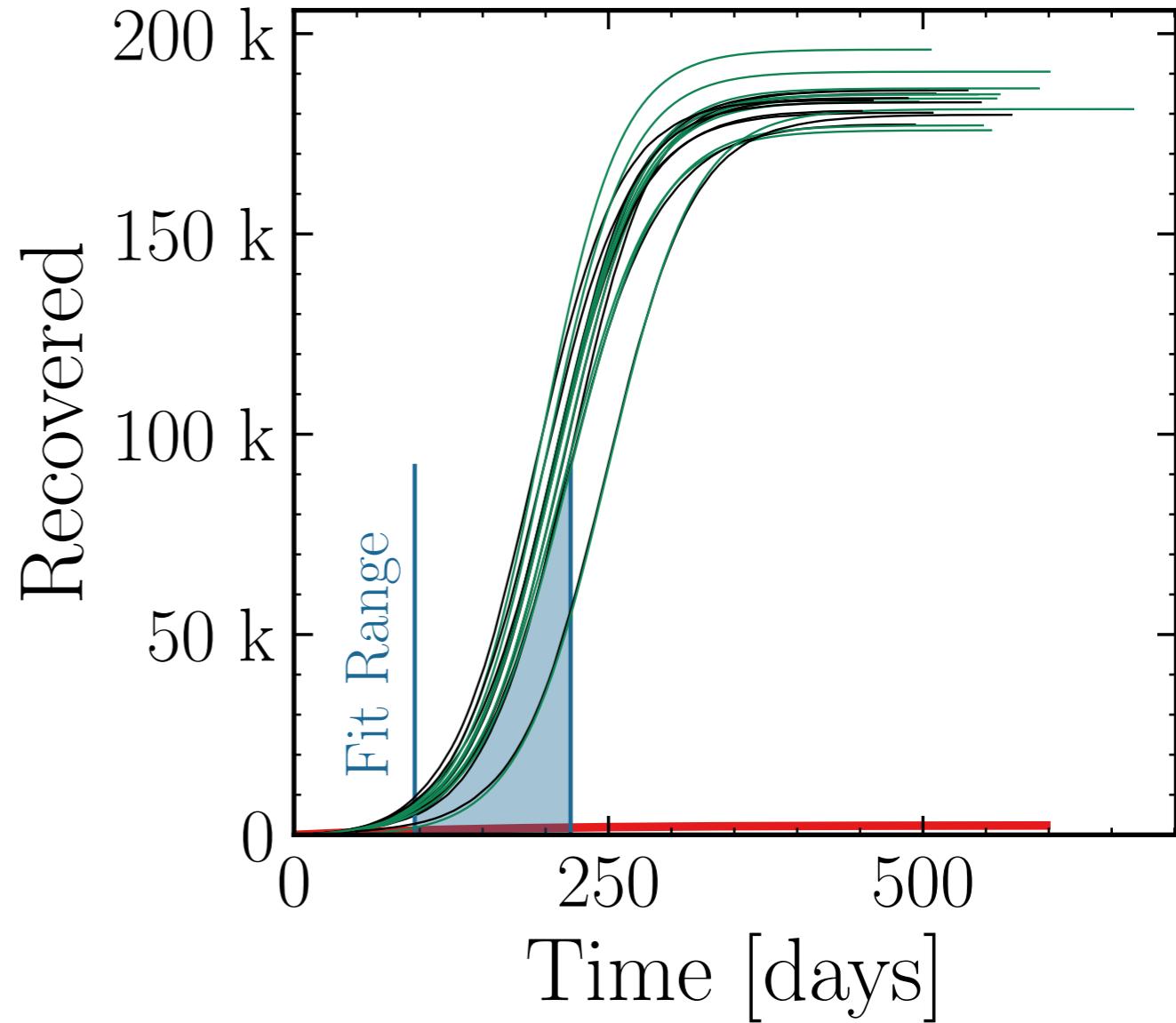
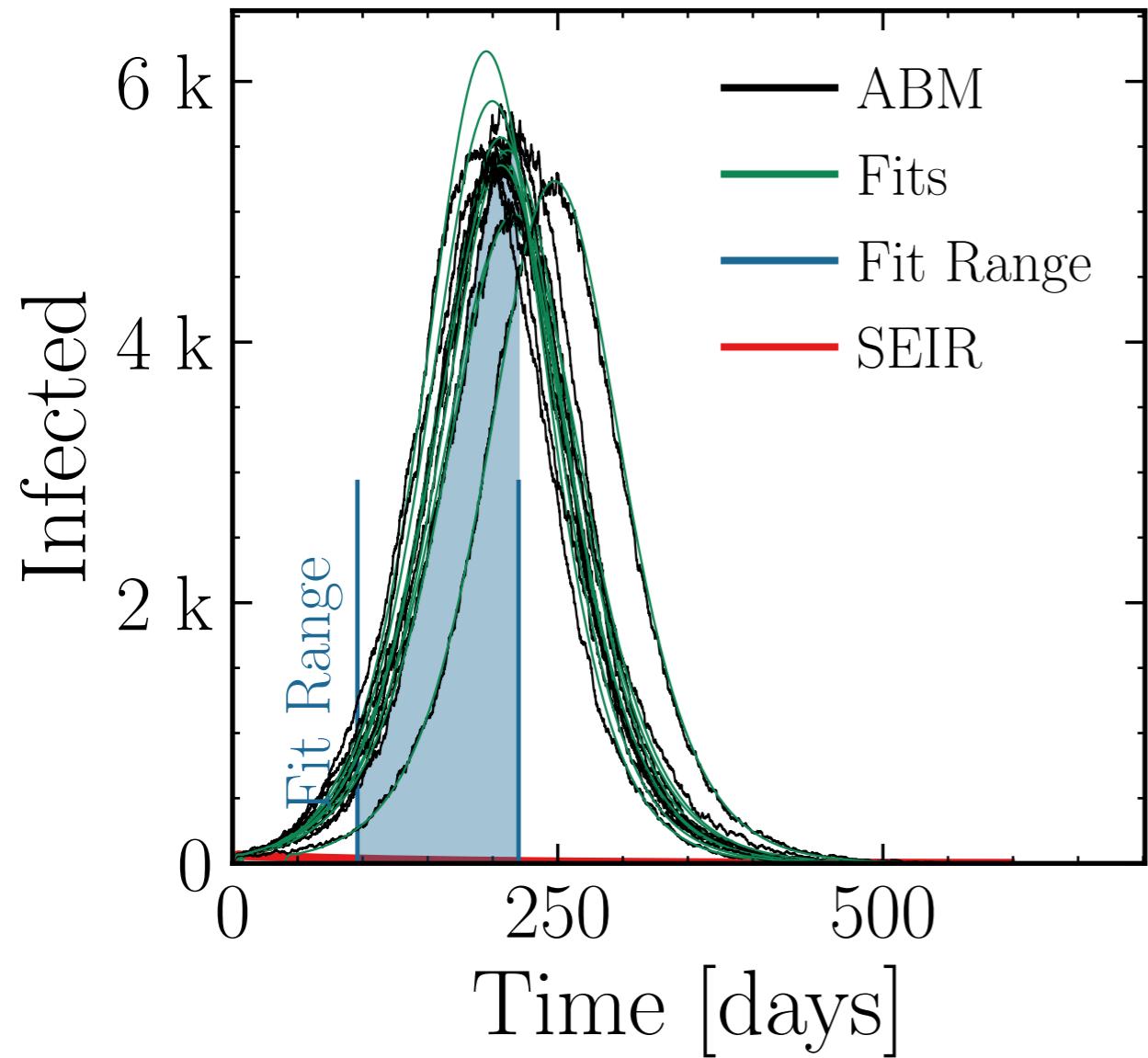
$N_{\text{events}} = 5K$ , event<sub>size<sub>max</sub></sub> = 50, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$$I_{\text{max}}^{\text{fit}} = (5.4 \pm 2.1\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 0.996 \pm 0.022$$

$$\nu = 1.0, \text{hash} = \text{be7ed90753}, \#10, R_{\infty}^{\text{fit}} = (184 \pm 0.96\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.01 \pm 0.0095$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 20.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.012$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

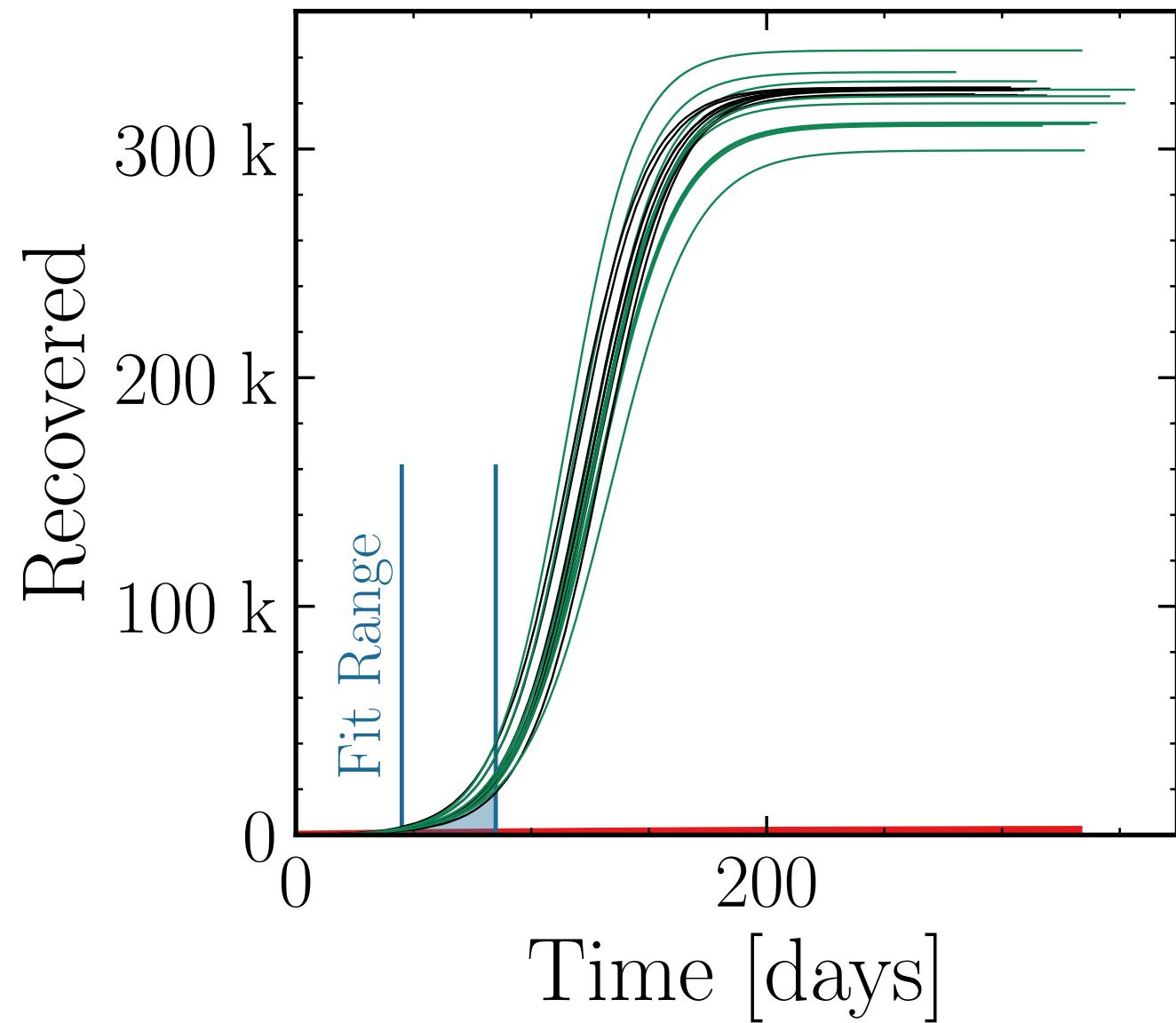
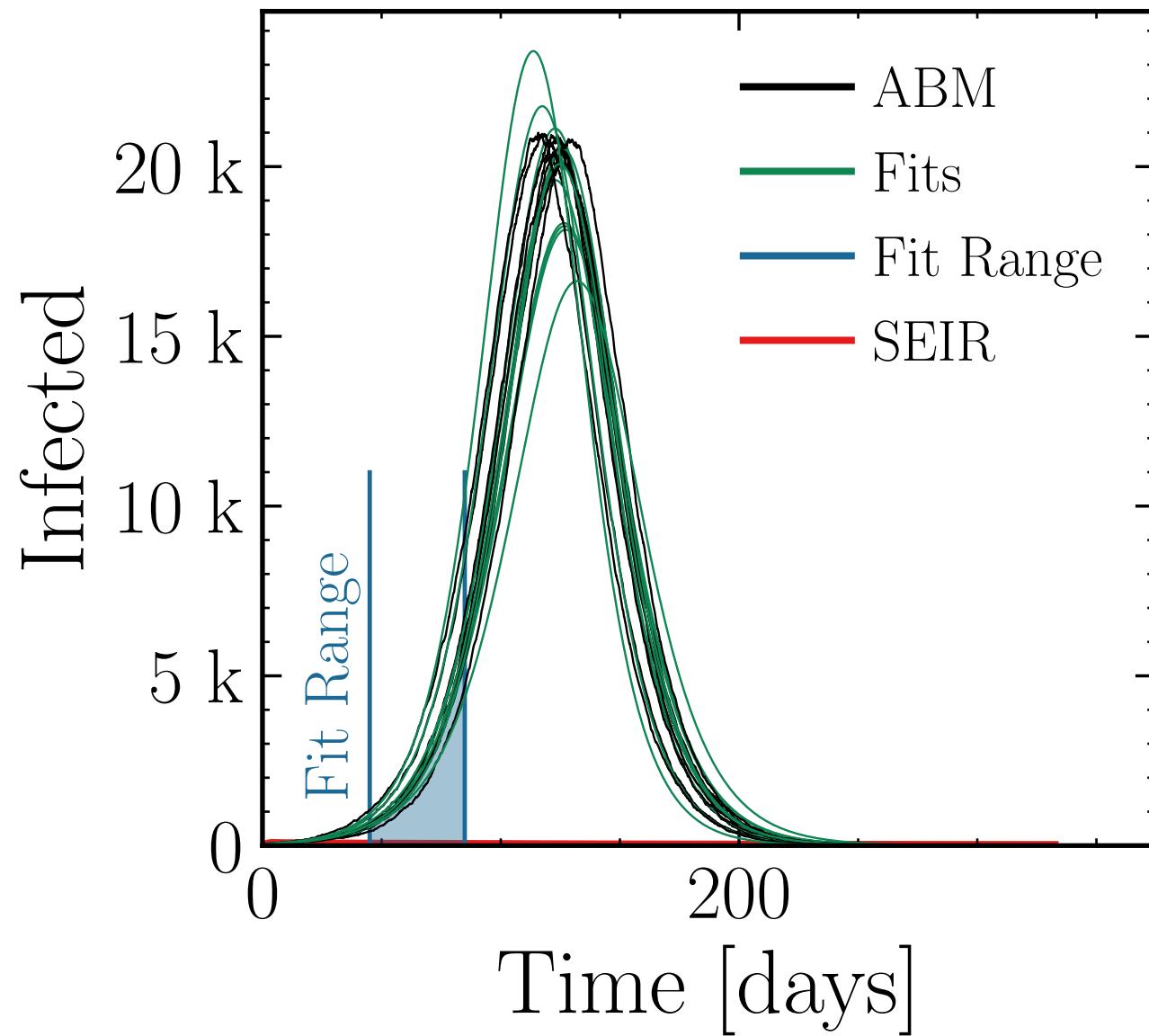
$N_{\text{events}} = 10K$ , event<sub>size<sub>max</sub></sub> = 50, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$$I_{\text{max}}^{\text{fit}} = (19.8 \pm 3.1\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 0.96 \pm 0.03$$

$$\text{v.} = 1.0, \text{hash} = 42cf0cb221 \#10 R_{\infty}^{\text{fit}} \#10 (321 \pm 1.2\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 0.99 \pm 0.01$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 20.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.012$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

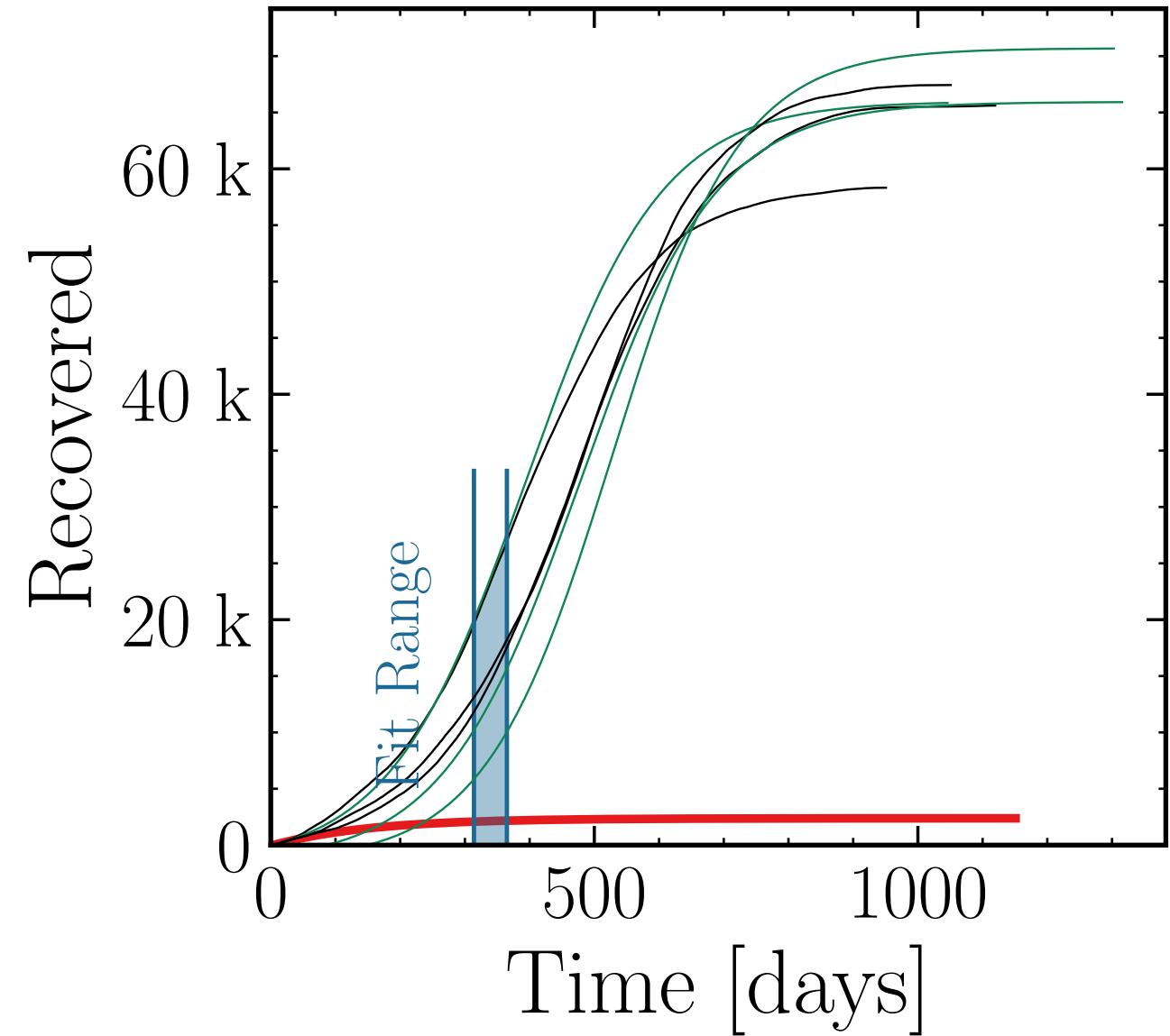
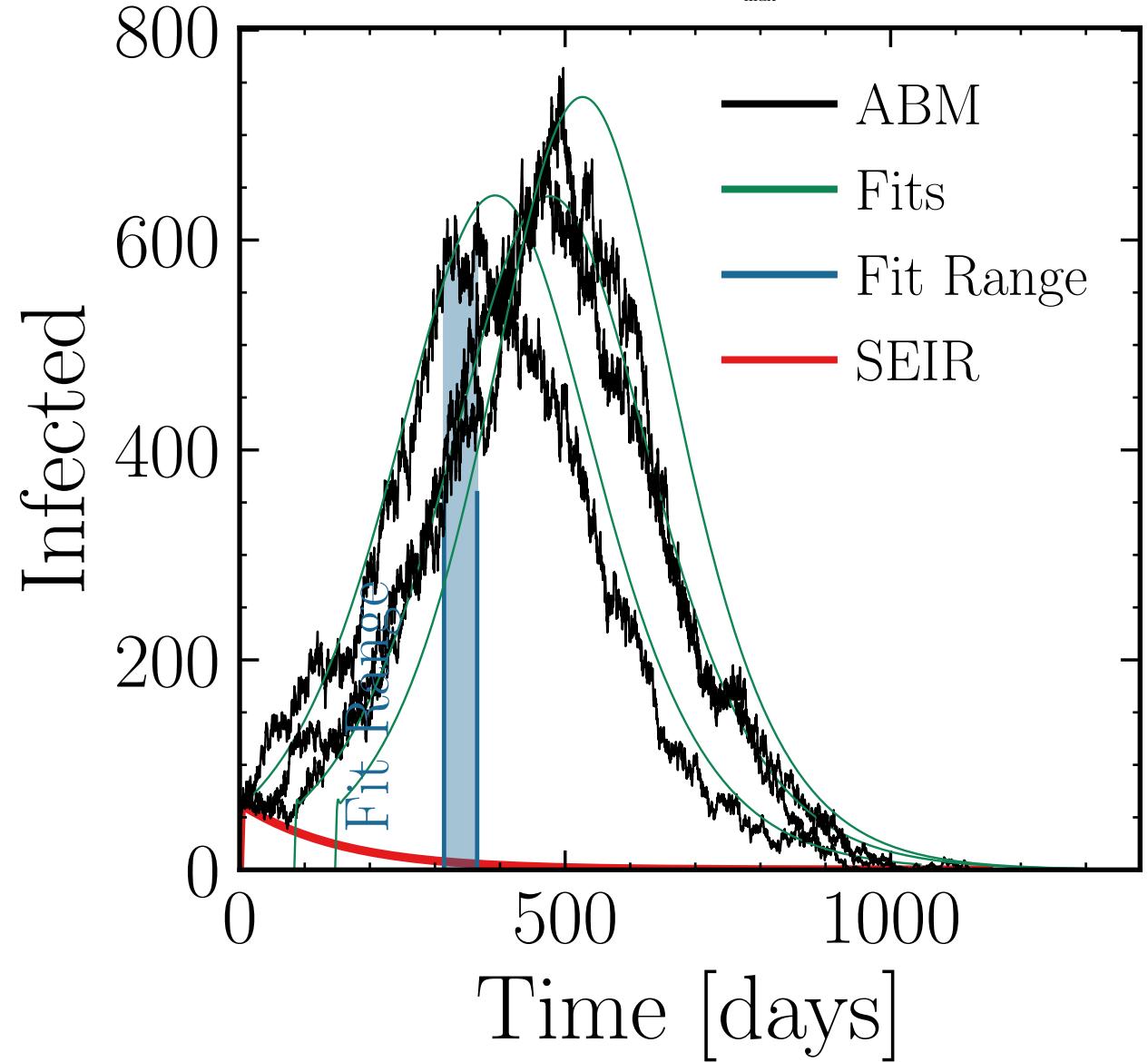
$N_{\text{events}} = 10K$ , event<sub>size<sub>max</sub></sub> = 20, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$$I_{\text{max}}^{\text{fit}} = (670 \pm 3.8\%) \cdot$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{ABM}}^{\text{fit}}} = 0.97 \pm 0.02$$

$$\text{v.} = 1.0, \text{hash} = 5ce71b83e9\#3 (68 \pm 1.9\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.06 \pm 0.030$$



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

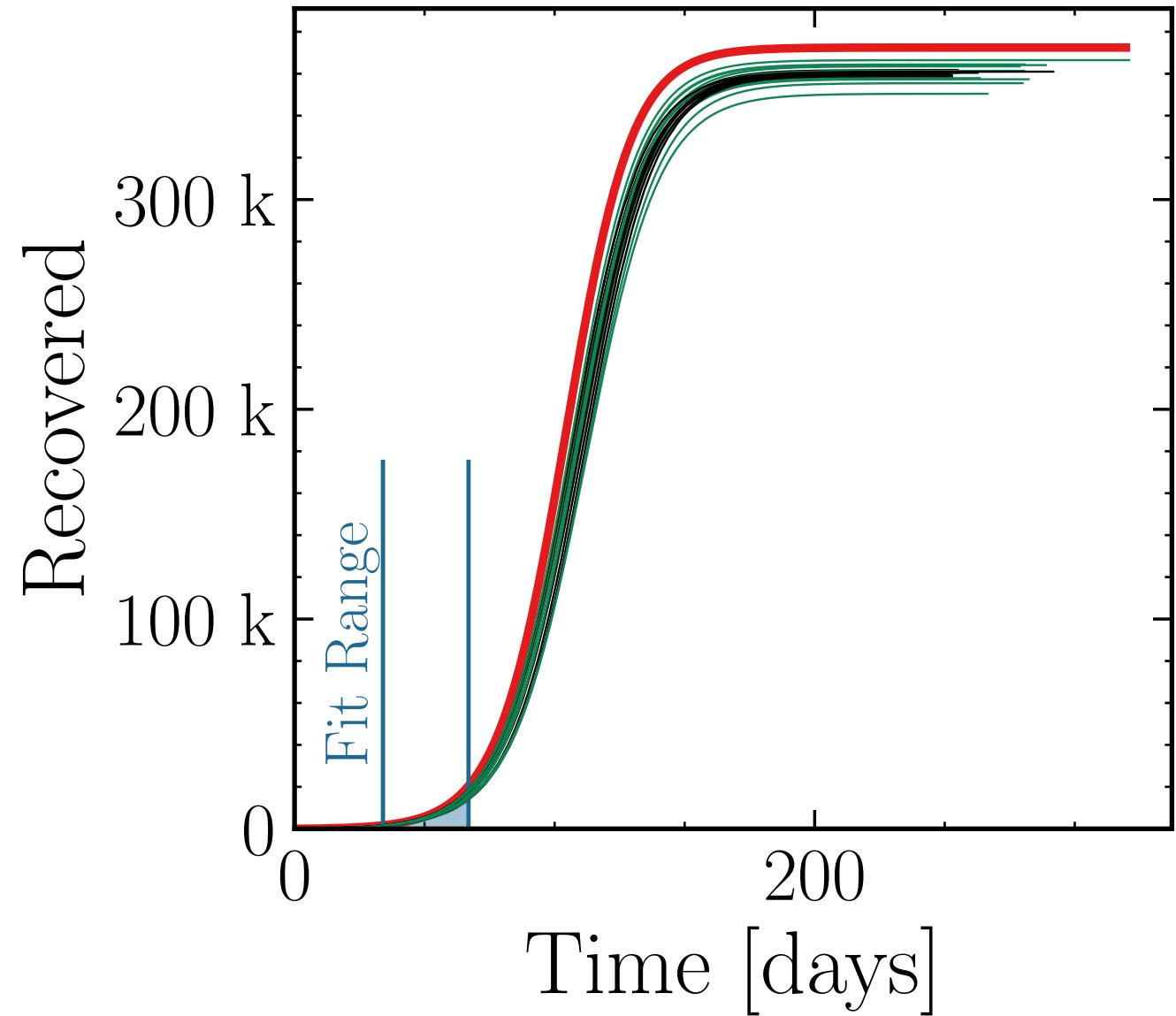
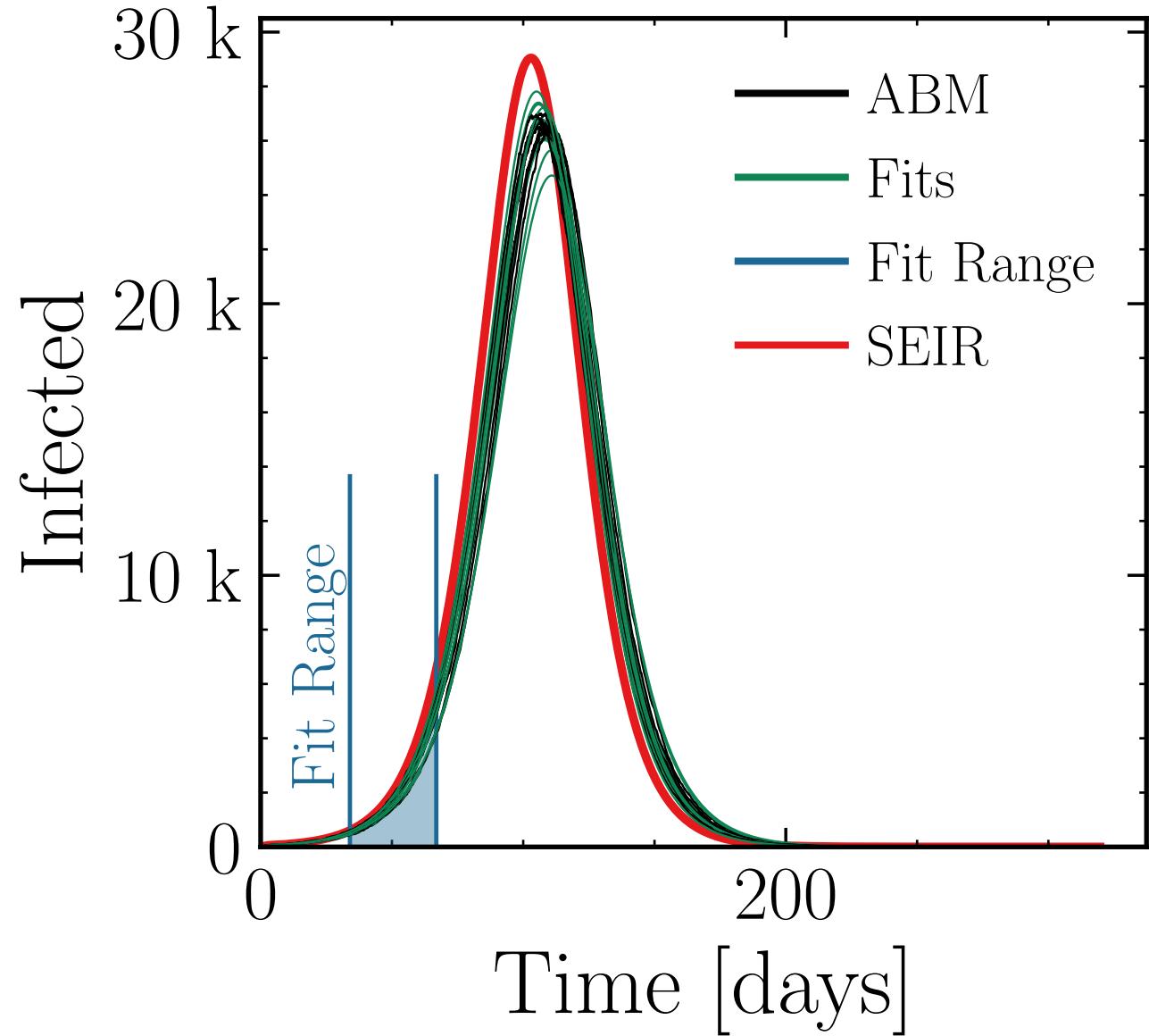
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 1$ , event<sub>size<sub>max</sub></sub> = 1, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{max}}^{\text{fit}} = (26.6 \pm 1.1\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 0.995 \pm 0.010 \quad v. = 1.0, \text{hash} = 904a61ffc2 \#10 \quad R_{\infty}^{\text{fit}} = (360 \pm 0.41\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1 \pm 0.0038$$



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

$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

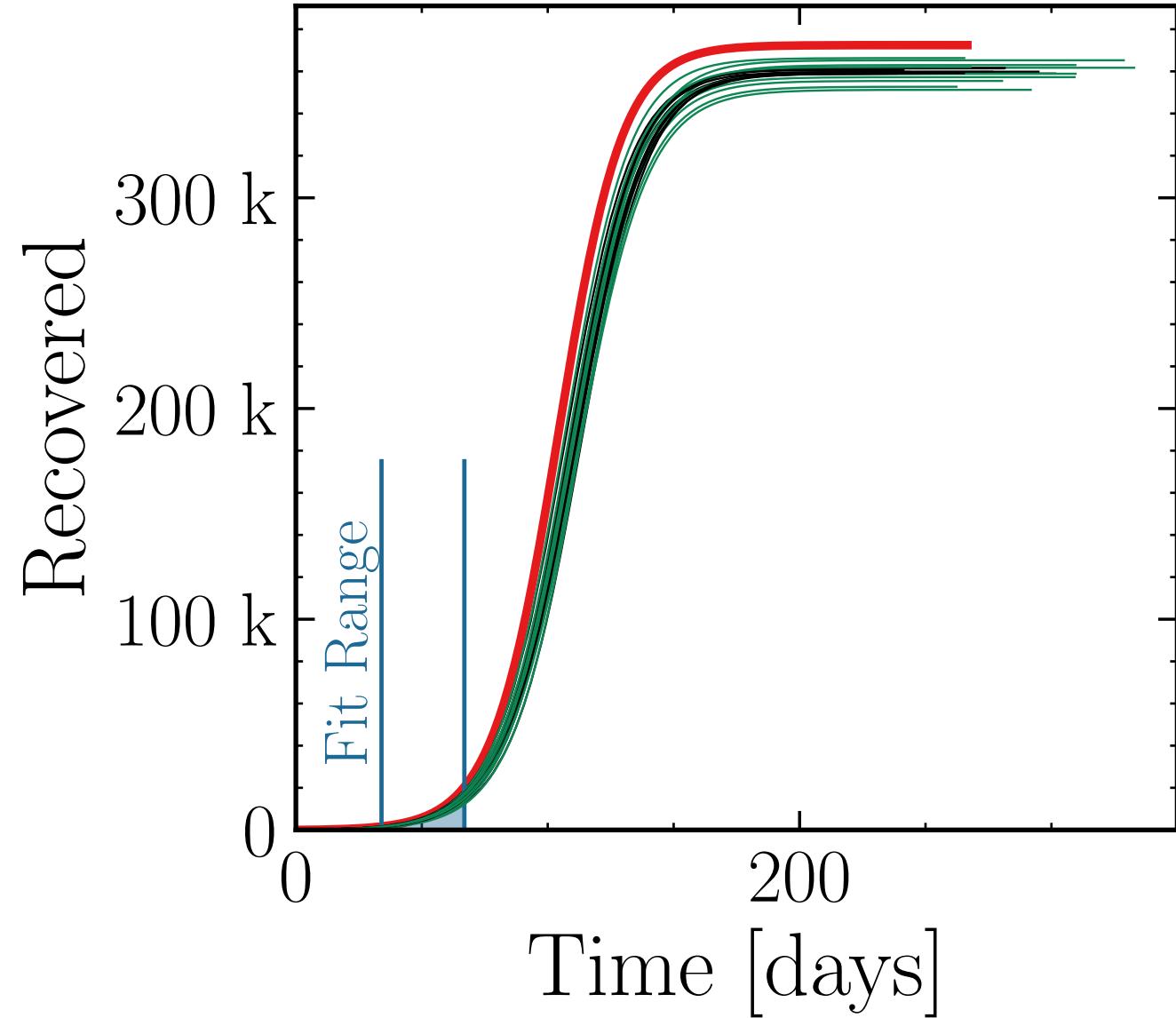
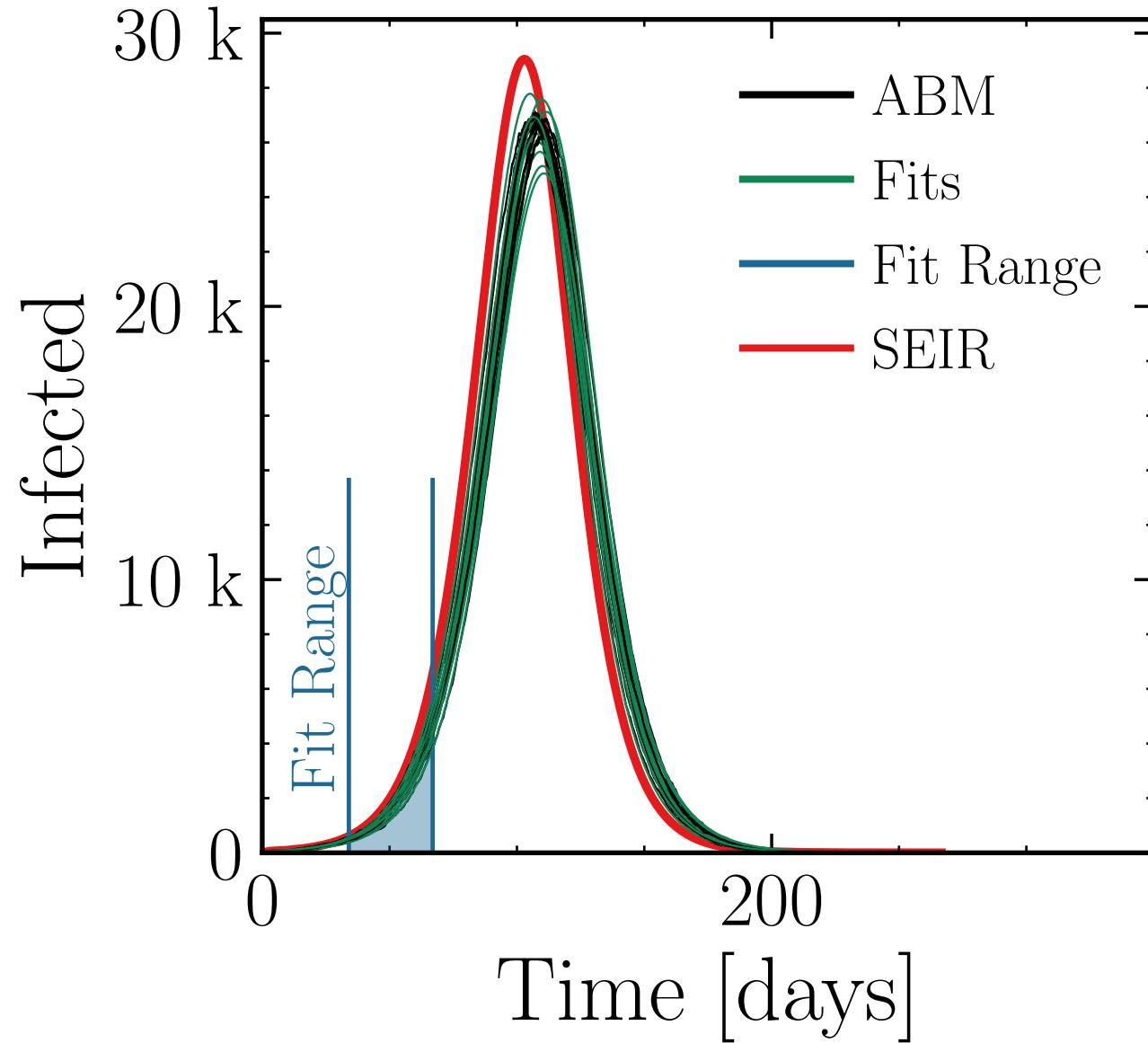
$N_{\text{events}} = 1$ , event<sub>size<sub>max</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$I_{\text{max}}^{\text{fit}} = (26.4 \pm 1.1\%) \cdot 10^3$

$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 0.99 \pm 0.01$

v. = 1.0, hash = fc236be8ee8 #10  
 $R_{\infty}^{\text{fit}} = (359 \pm 0.44\%) \cdot 10^3$

$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 0.998 \pm 0.004$



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

$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

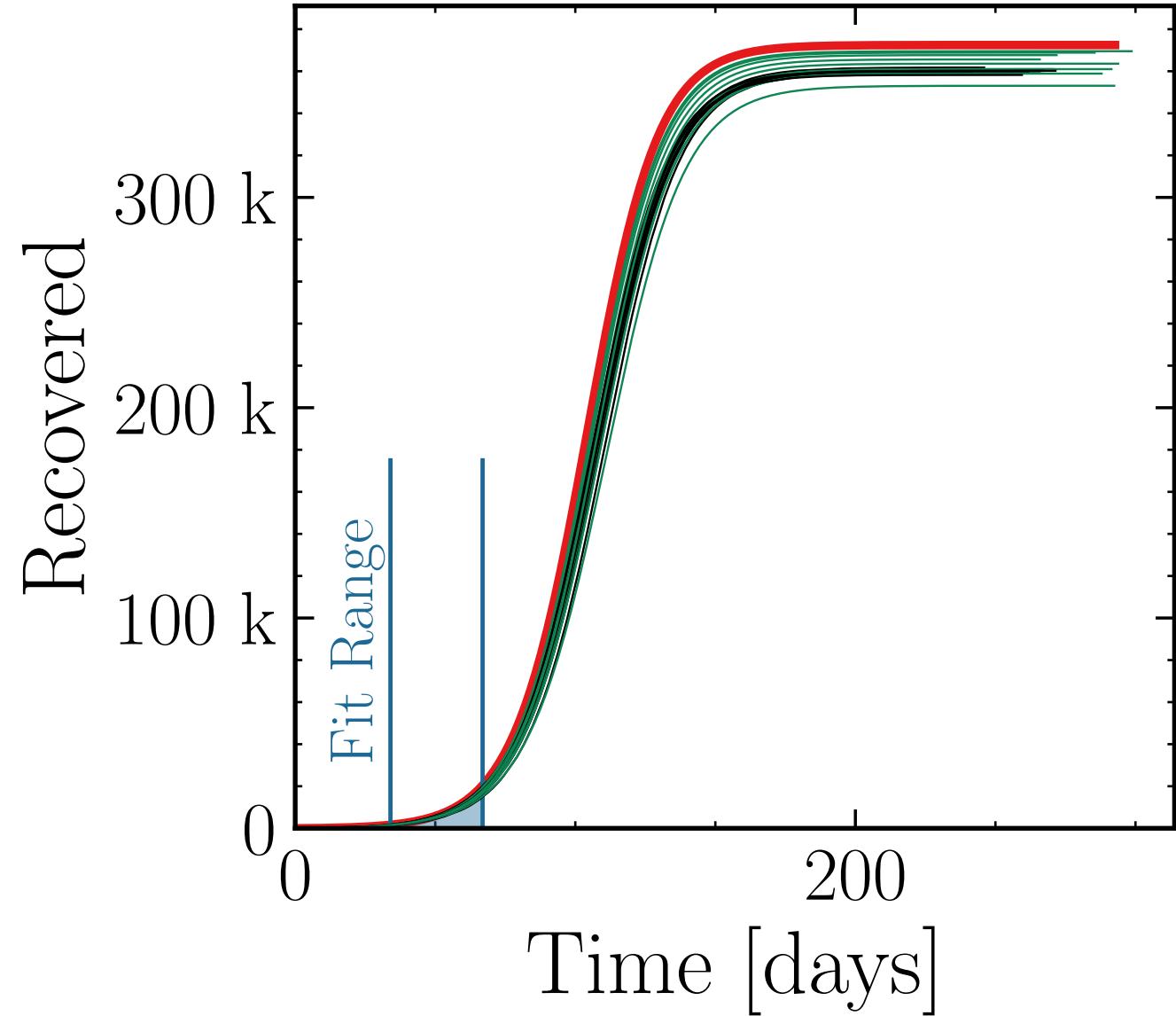
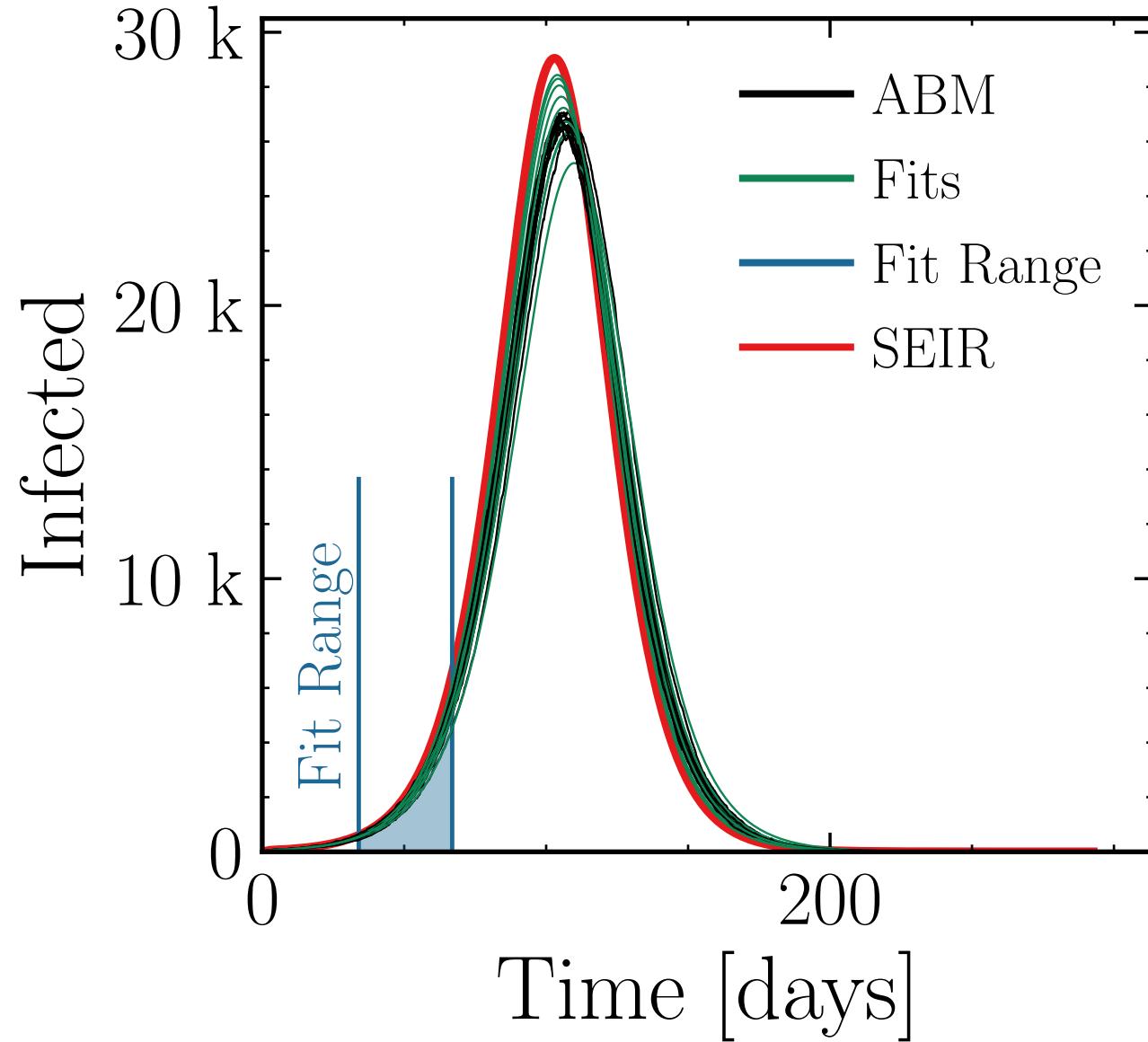
$N_{\text{events}} = 1$ , event<sub>size<sub>max</sub></sub> = 2, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{max}}^{\text{fit}} = (27.1 \pm 1.1\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1.01 \pm 0.012 \quad v. = 1.0, \text{ hash} = 93e060fddc, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (363 \pm 0.43\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.008 \pm 0.0044$$



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

$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

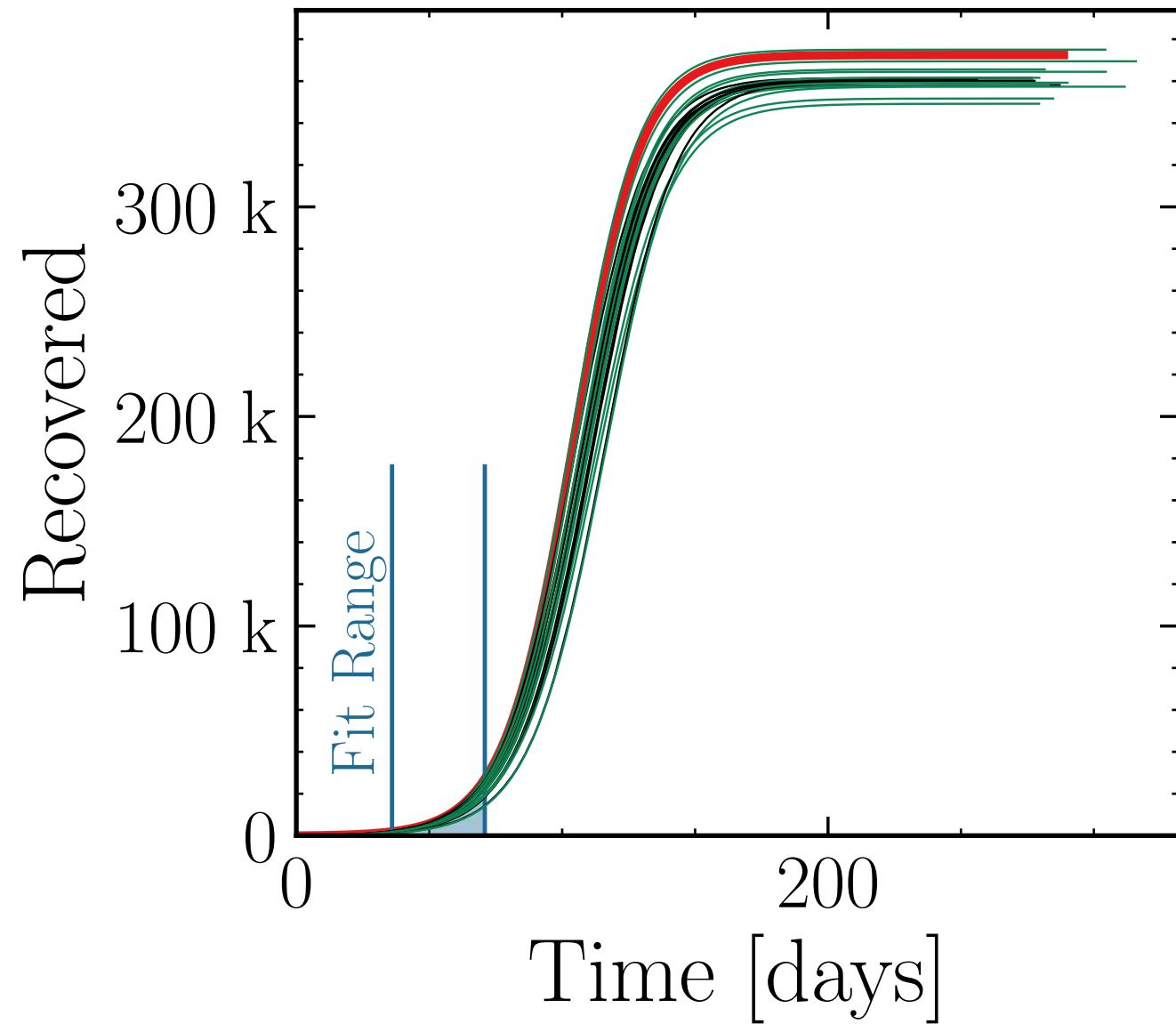
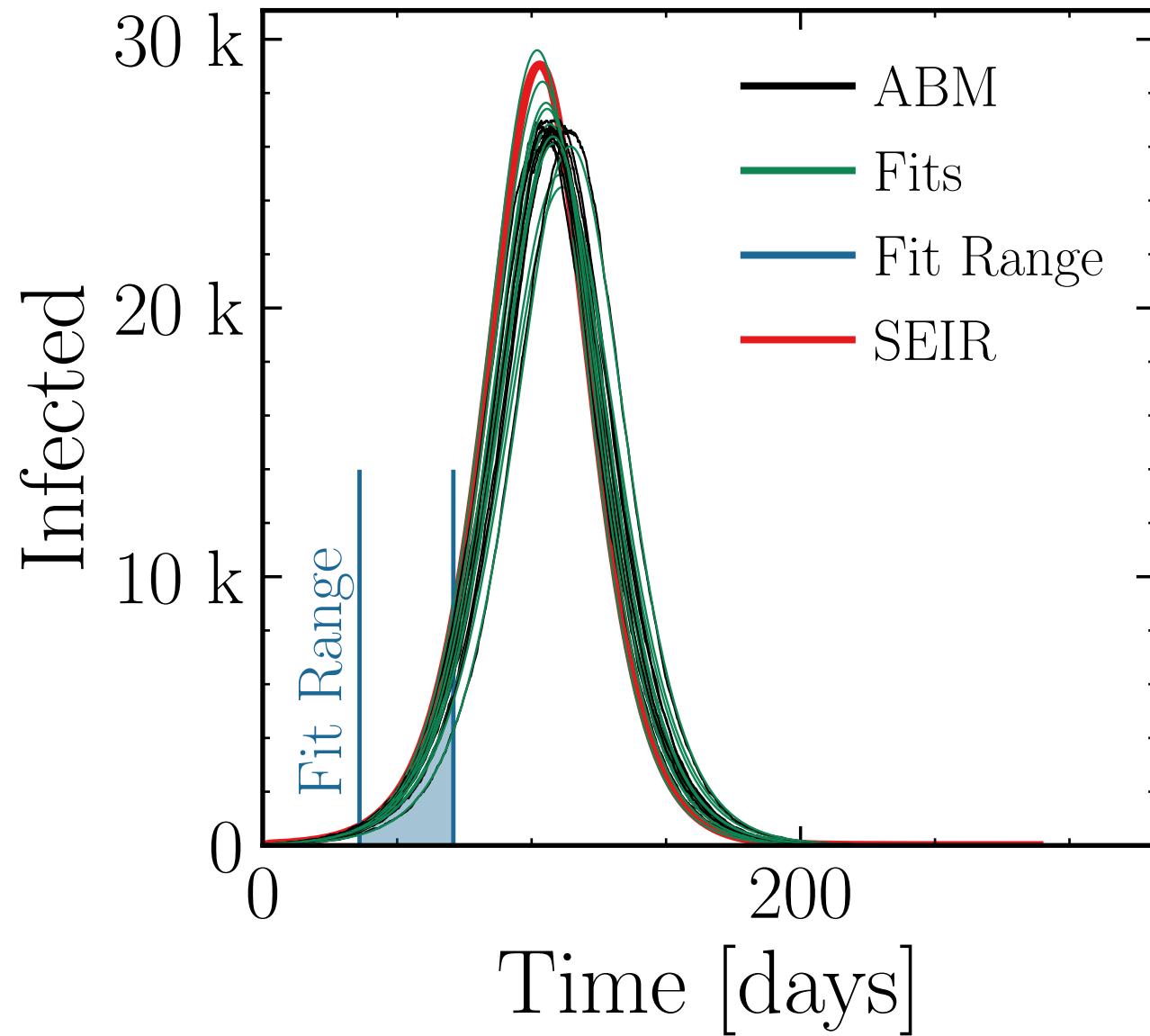
$N_{\text{events}} = 1$ , event<sub>size<sub>max</sub></sub> = 3, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{max}}^{\text{fit}} = (26.8 \pm 1.7\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1 \pm 0.018$$

$$\text{v.} = 1.0, \text{hash} = 921d65f1a5, \#10 \\ R_{\infty}^{\text{fit}} = (361 \pm 0.65\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.003 \pm 0.0064$$



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

$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

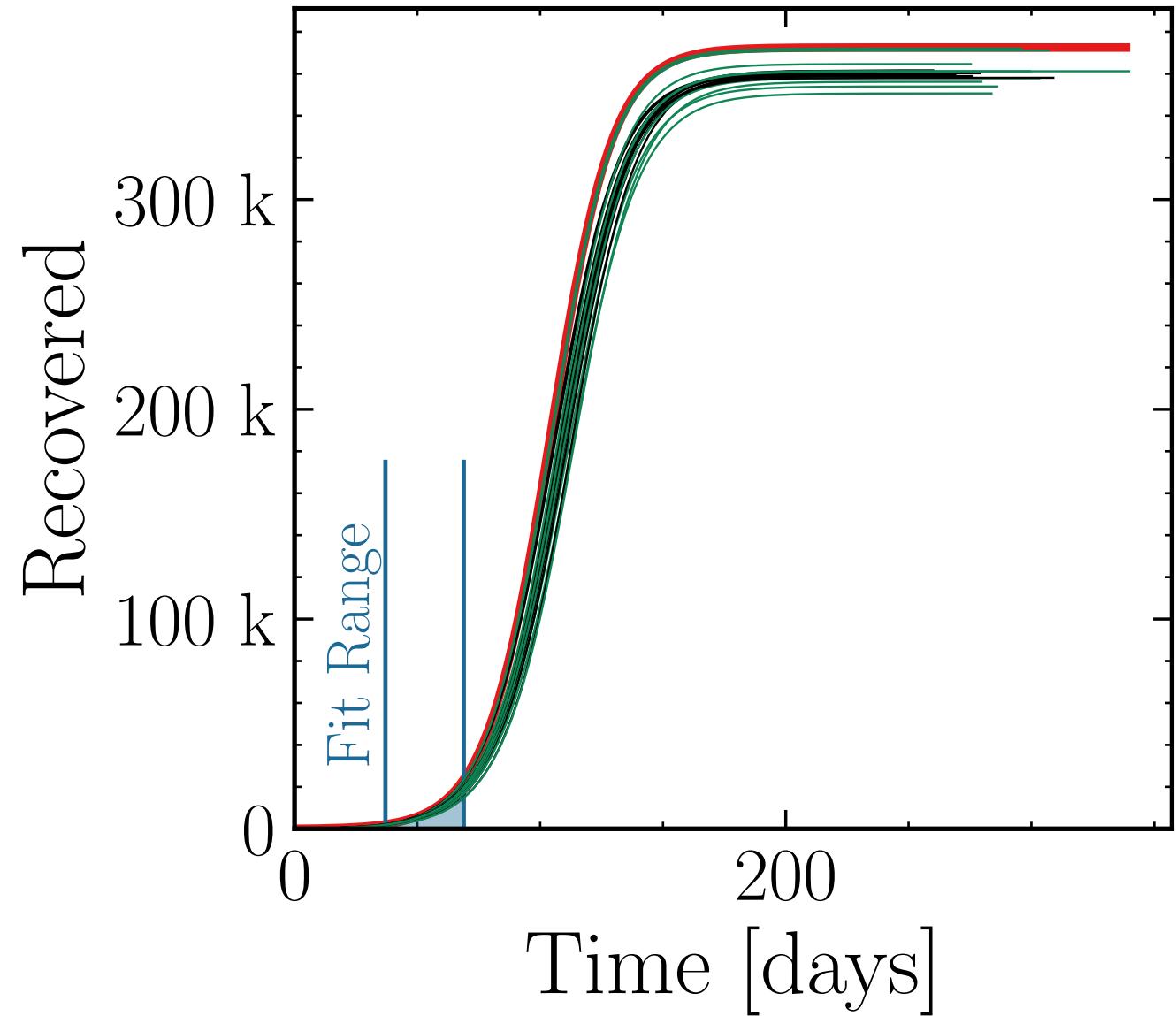
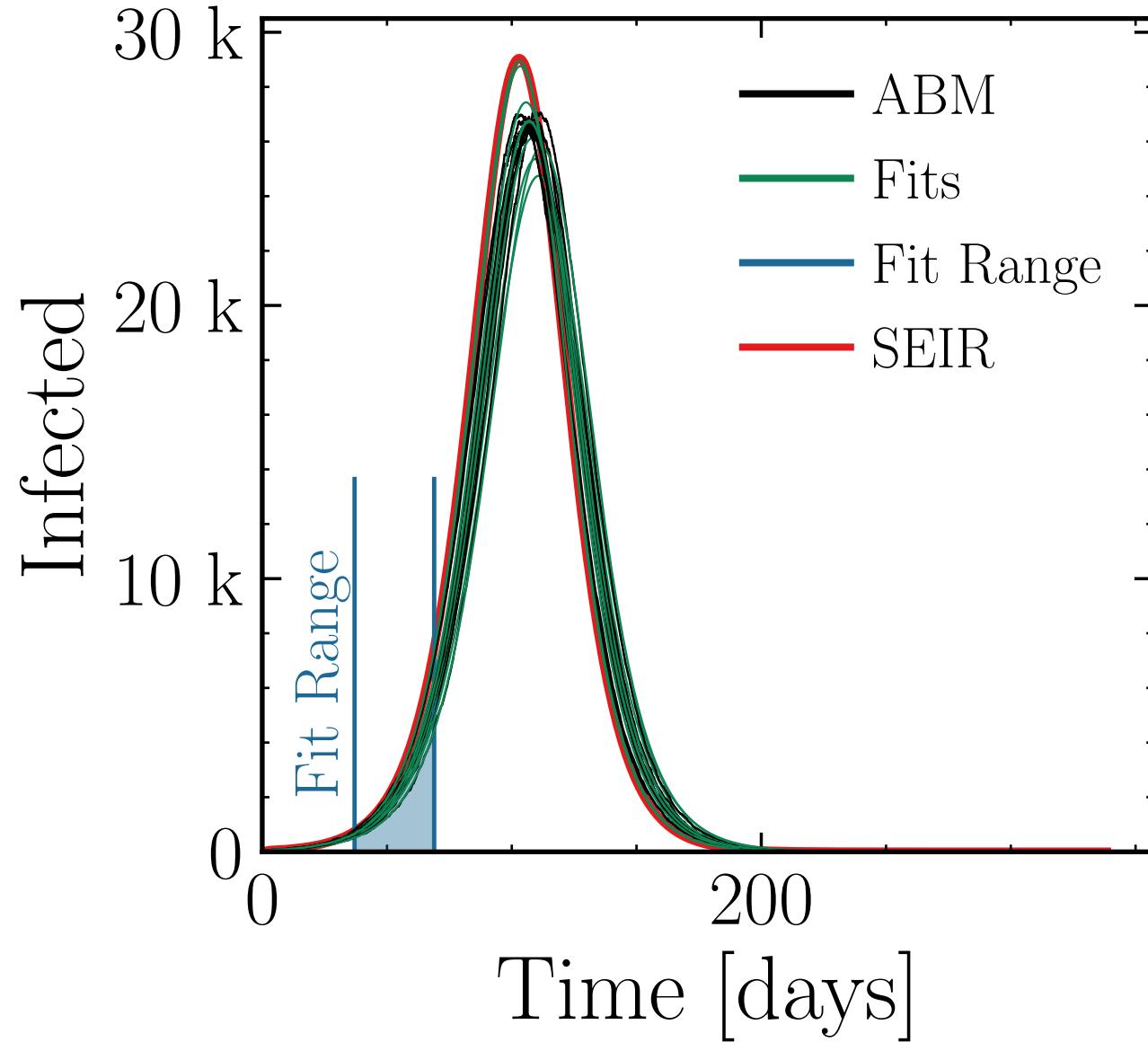
$N_{\text{events}} = 1$ , event<sub>size<sub>max</sub></sub> = 4, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{max}}^{\text{fit}} = (26.7 \pm 1.5\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 0.999 \pm 0.015 \quad v. = 1.0, \text{ hash} = \text{f01ca9e4da}, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (361 \pm 0.57\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.003 \pm 0.0058$$



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

$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

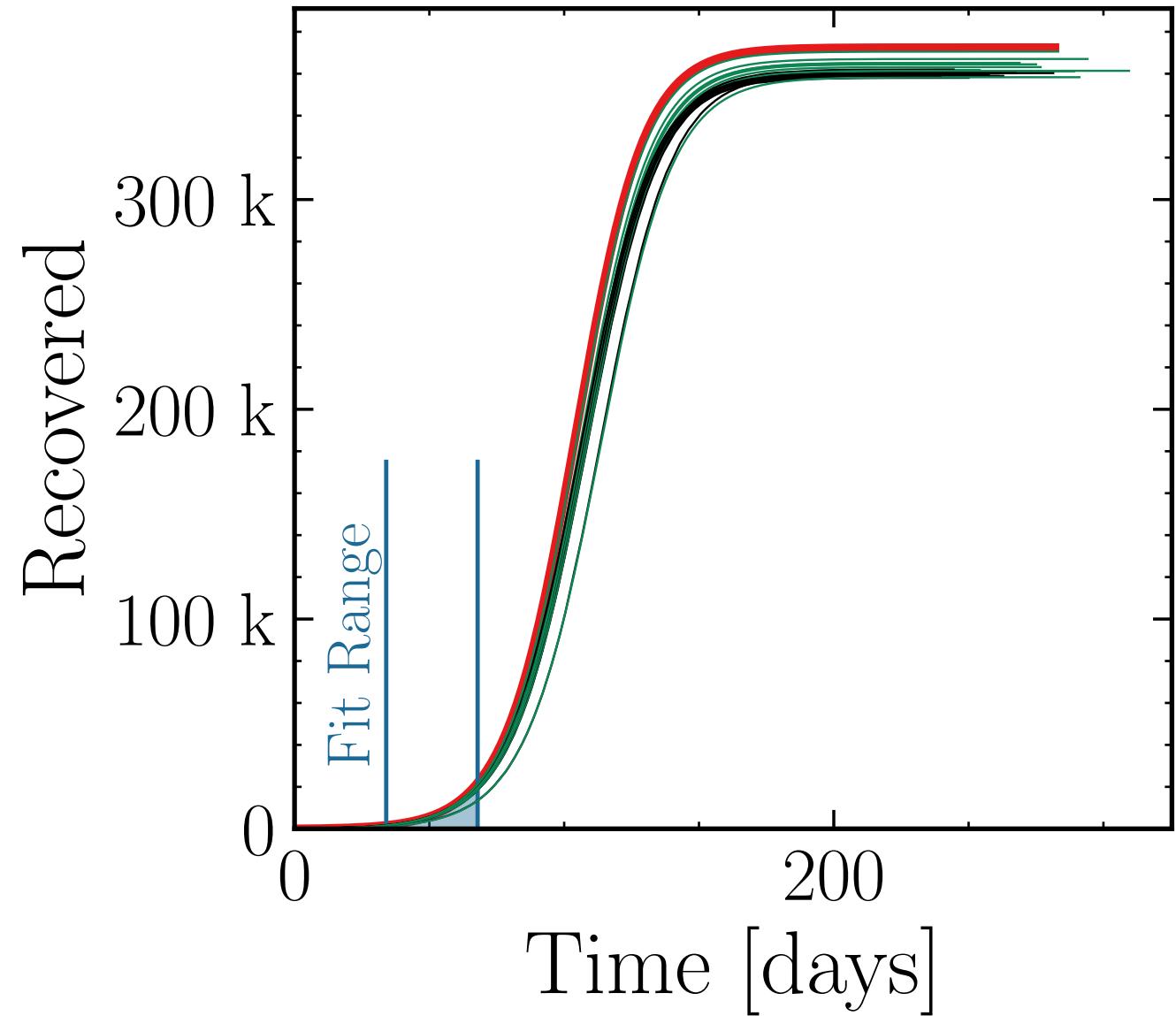
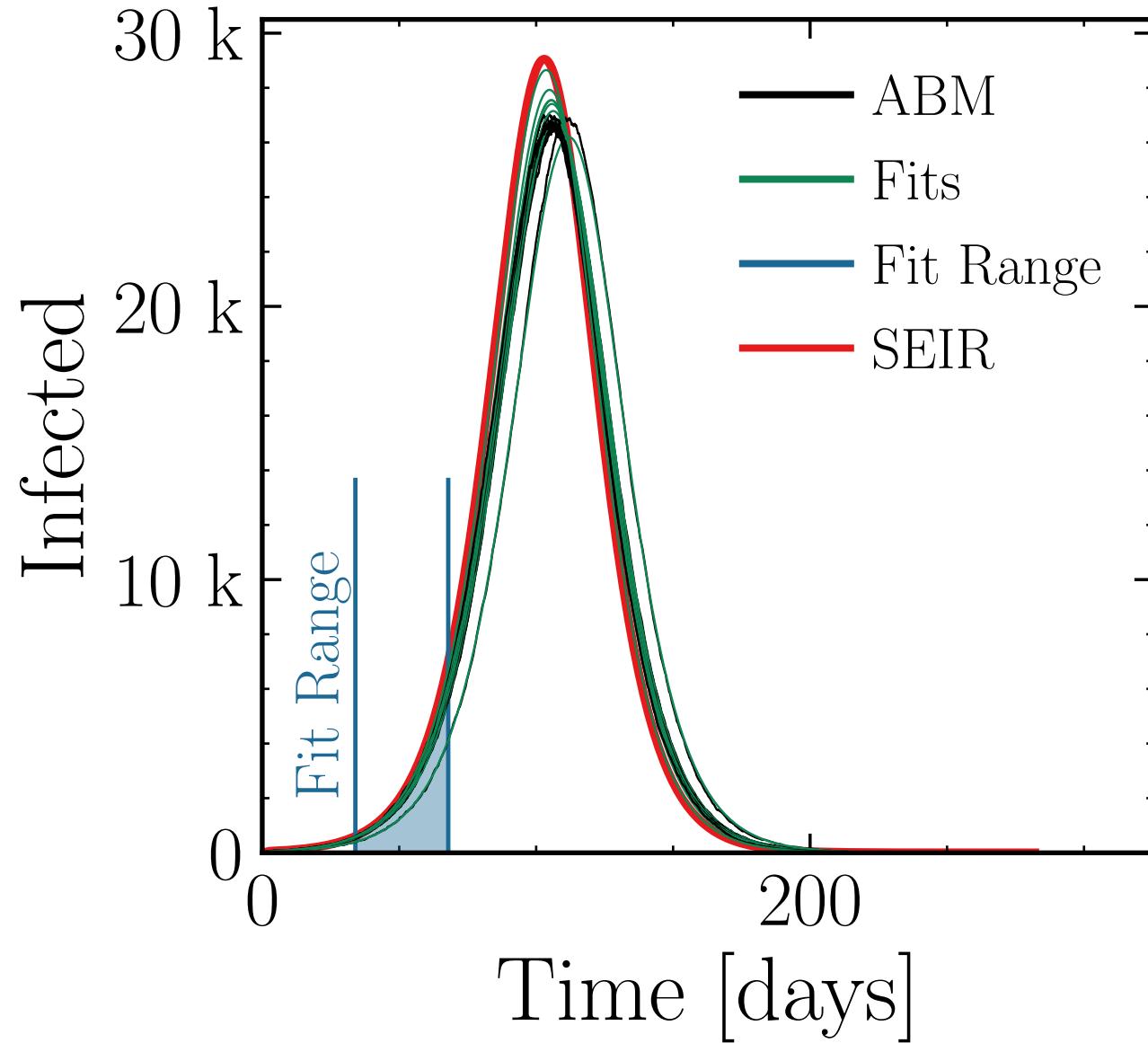
$N_{\text{events}} = 1$ , event<sub>size<sub>max</sub></sub> = 5, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{max}}^{\text{fit}} = (27.3 \pm 0.76\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1.019 \pm 0.0078 \quad v. = 1.0, \text{ hash} = 6e99d5319e, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (364 \pm 0.29\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.011 \pm 0.0030$$



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

$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 1$ , event<sub>size<sub>max</sub></sub> = 10, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

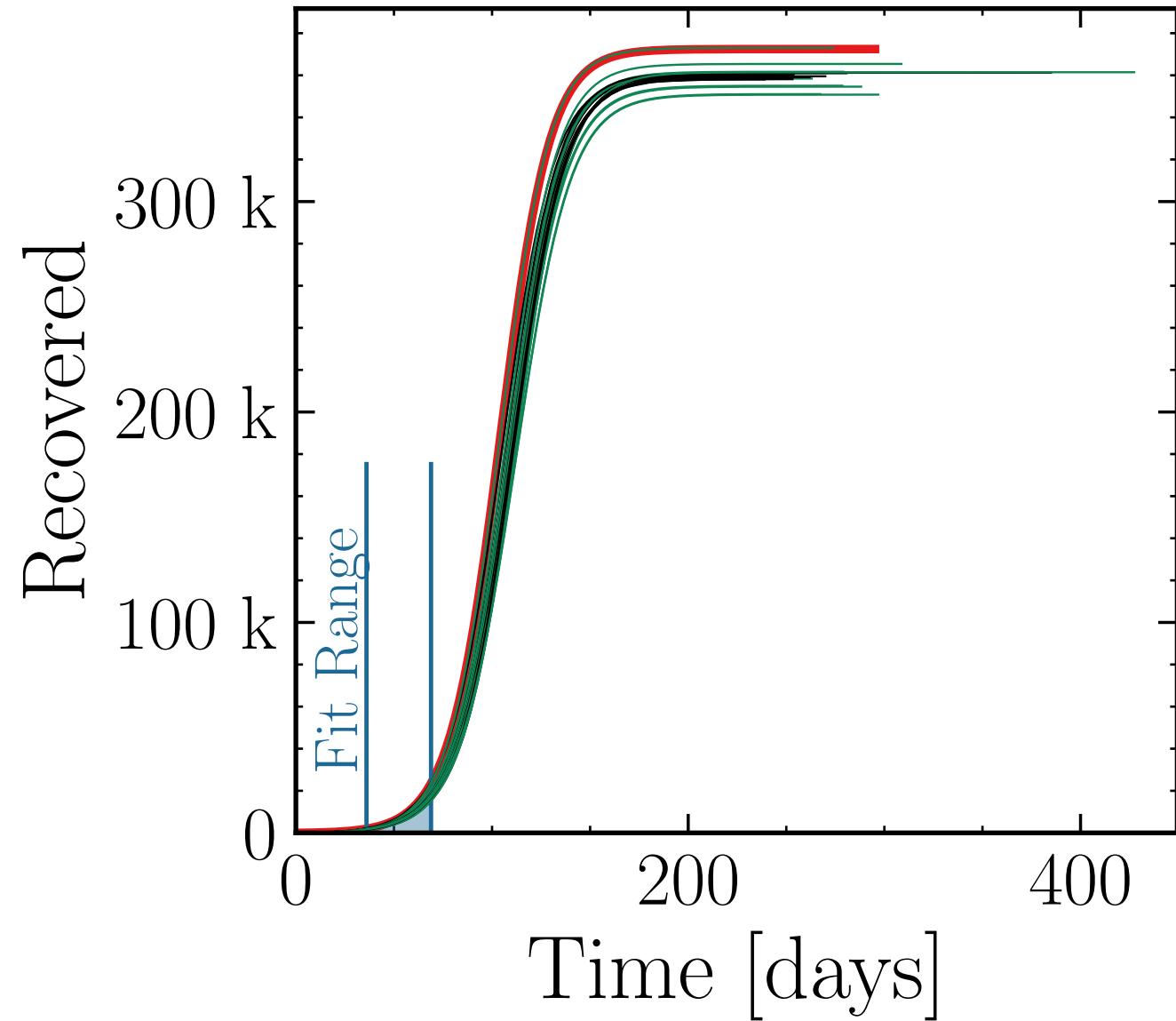
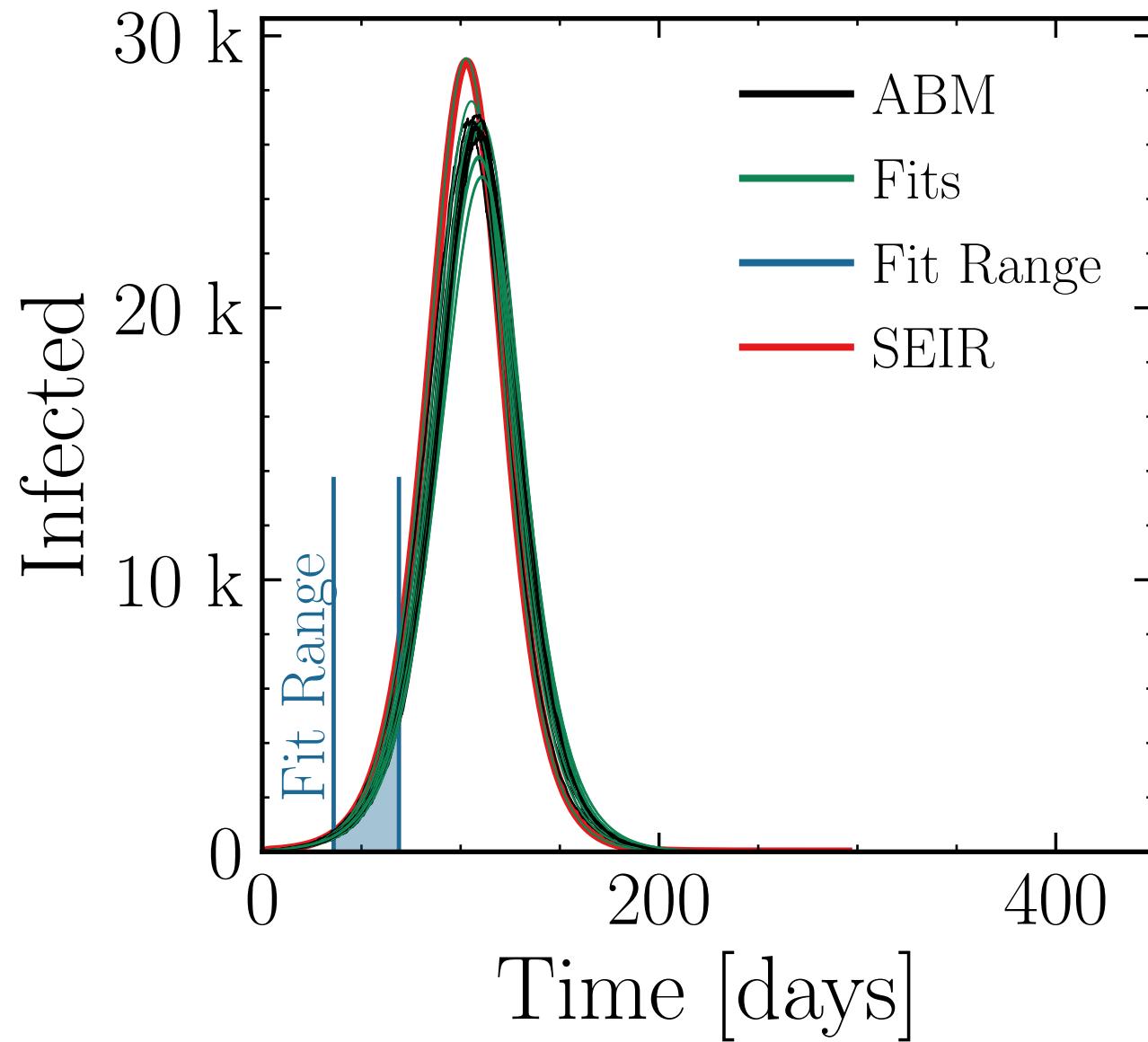
$$I_{\text{max}}^{\text{fit}} = (26.4 \pm 1.5\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 0.99 \pm 0.01$$

$$\text{v.} = 1.0, \text{hash} = \text{a7628038ba}, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (359 \pm 0.57\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 0.999 \pm 0.005$$



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

$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 1$ , event<sub>size<sub>max</sub></sub> = 15, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

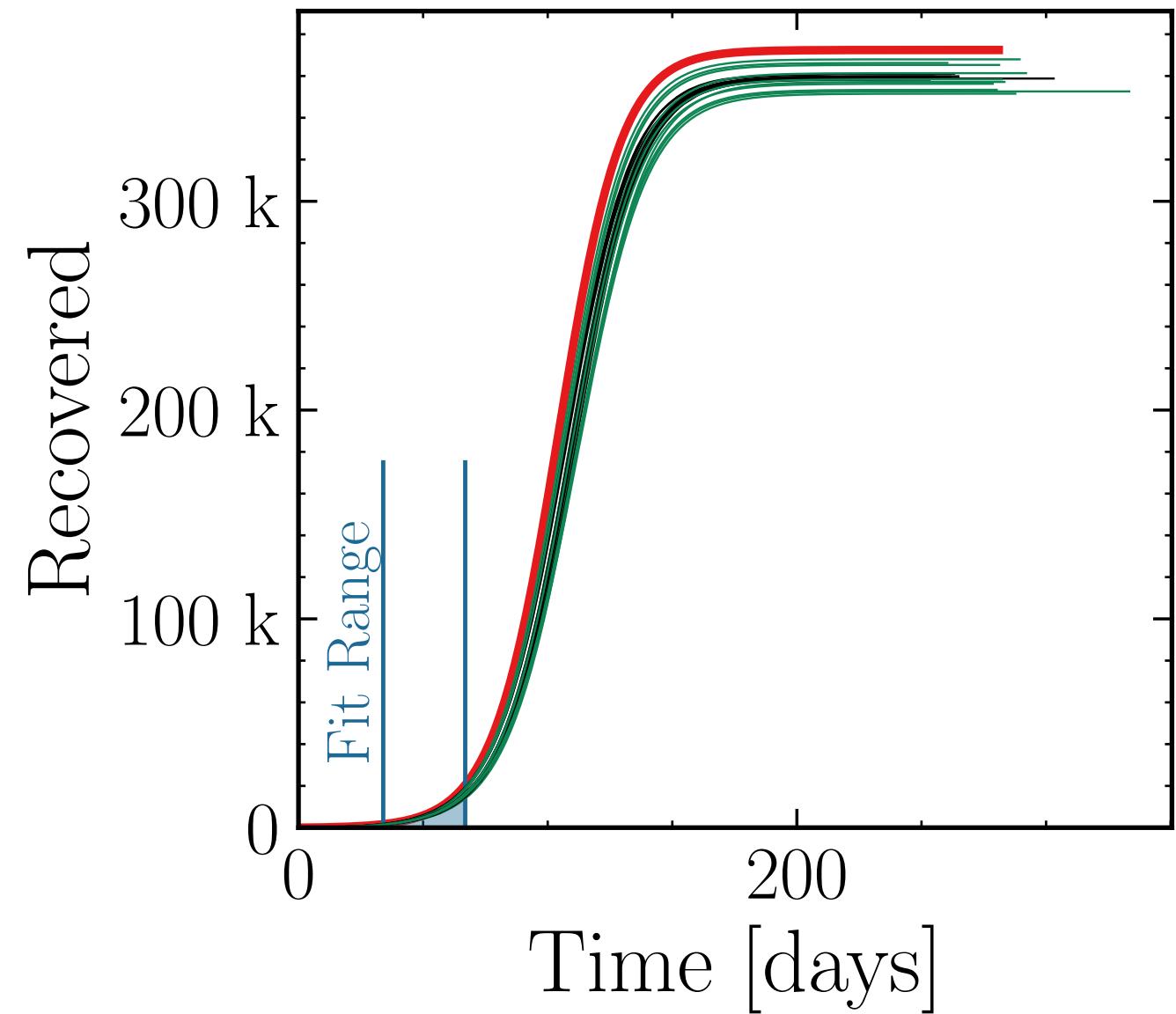
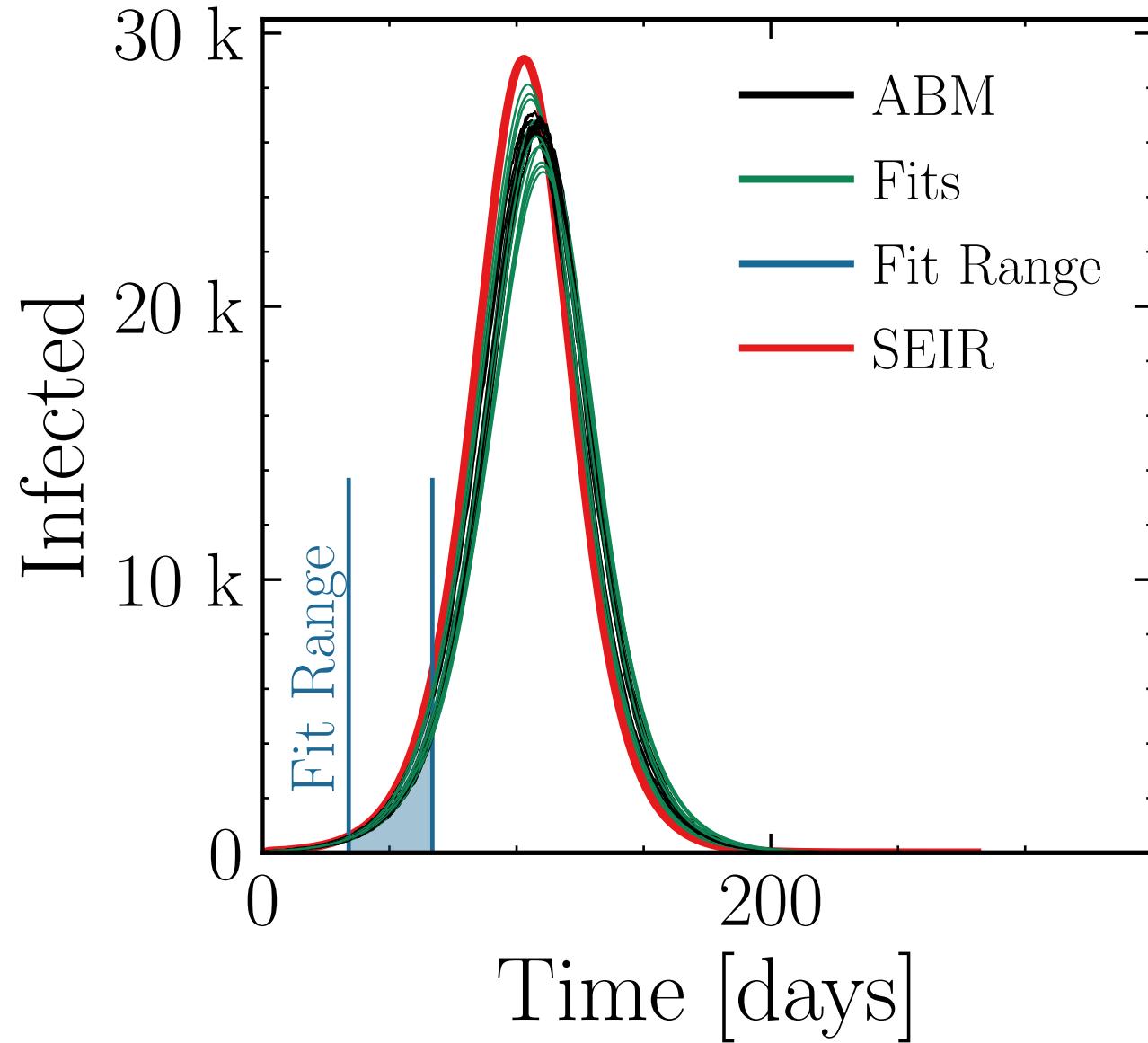
$$I_{\text{max}}^{\text{fit}} = (26.4 \pm 1.3\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 0.99 \pm 0.01$$

$$\text{v.} = 1.0, \text{hash} = 515b1ef897$$

$$R_{\infty}^{\text{fit}} \#(359 \pm 0.5\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 0.998 \pm 0.005$$



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

$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 1$ , event<sub>size<sub>max</sub></sub> = 20, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

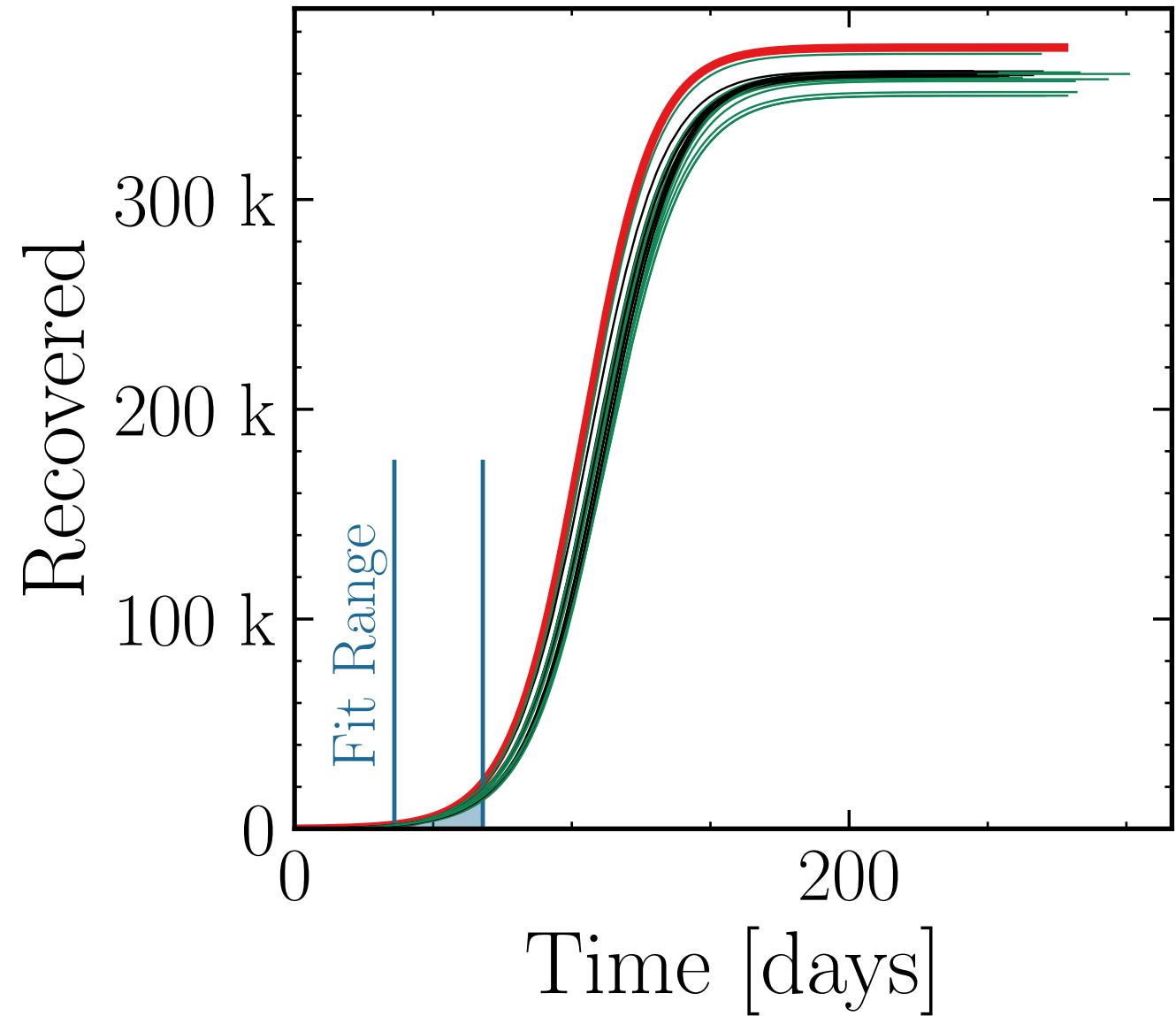
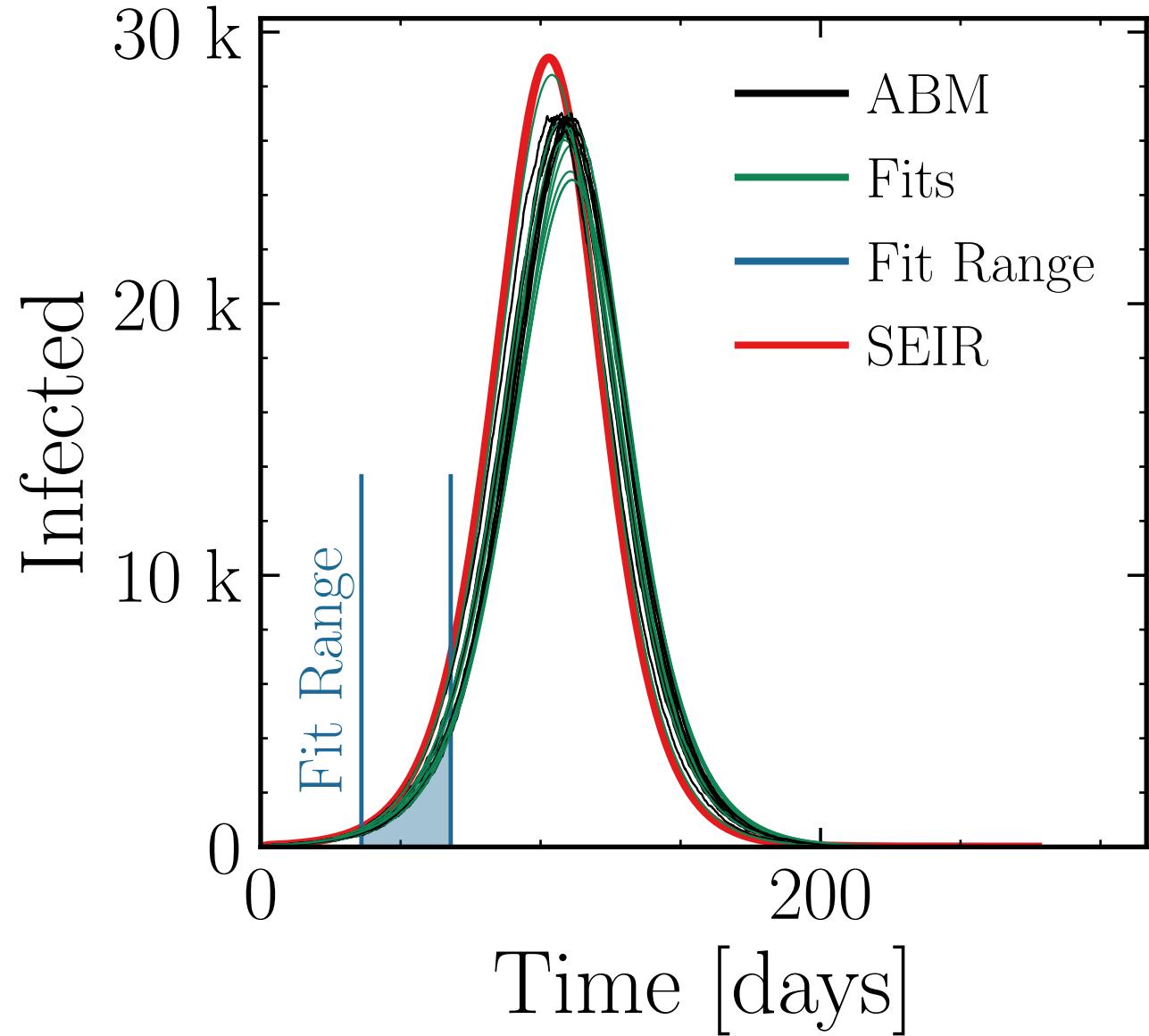
$$I_{\text{max}}^{\text{fit}} = (26 \pm 1.4\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 0.97 \pm 0.01$$

$$\text{v.} = 1.0, \text{hash} = 901bf867d4, \#10$$

$$R_{\infty}^{\text{fit}} = (357 \pm 0.52\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 0.993 \pm 0.005$$



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

$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

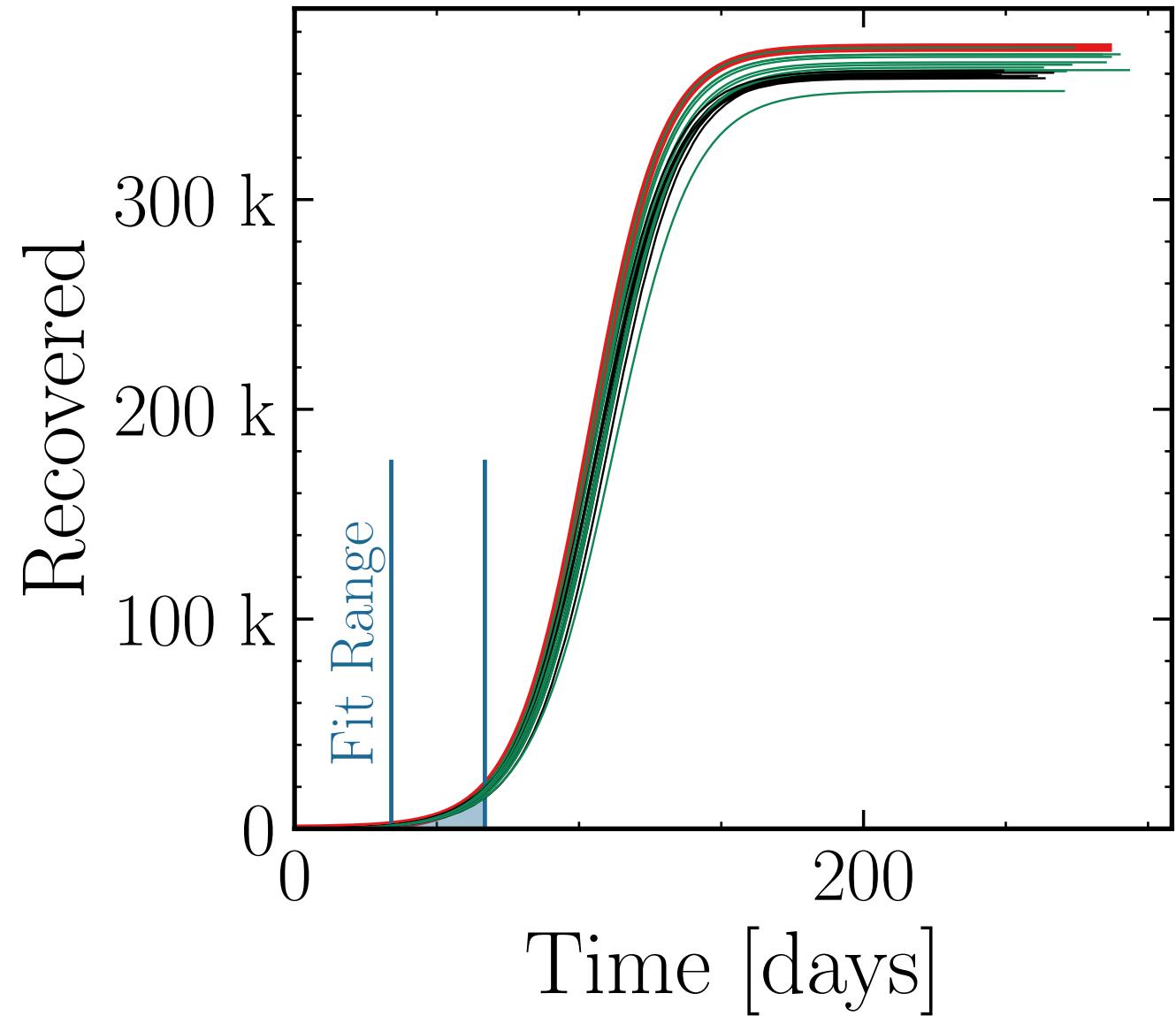
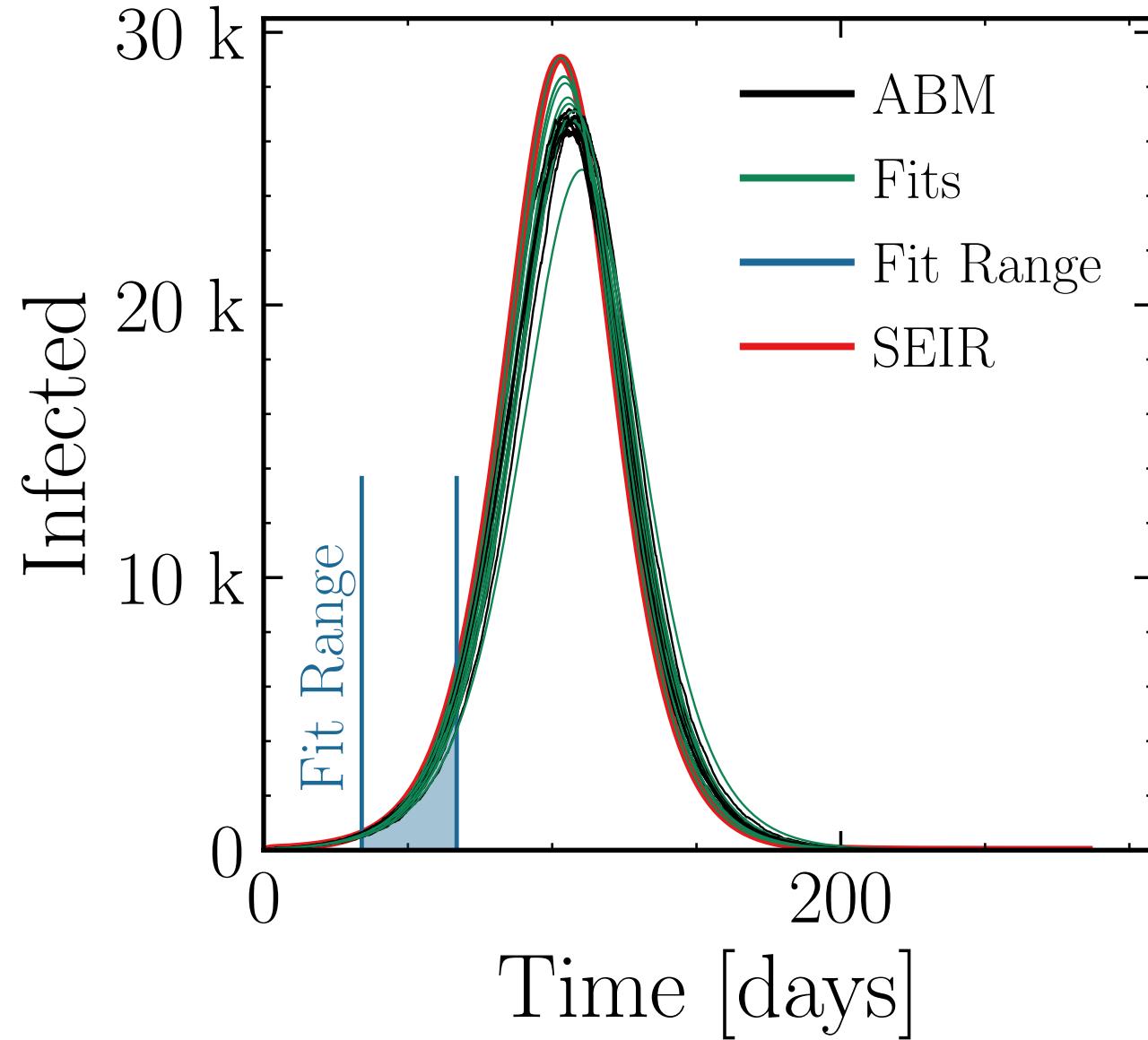
$N_{\text{events}} = 1$ , event<sub>size<sub>max</sub></sub> = 30, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$$I_{\text{max}}^{\text{fit}} = (27.5 \pm 1.3\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1.02 \pm 0.014 \quad v. = 1.0, \text{ hash} = \text{ac675fa1d8}, \#10$$

$$R_{\infty}^{\text{fit}} = (365 \pm 0.48\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.014 \pm 0.0051$$



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

$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

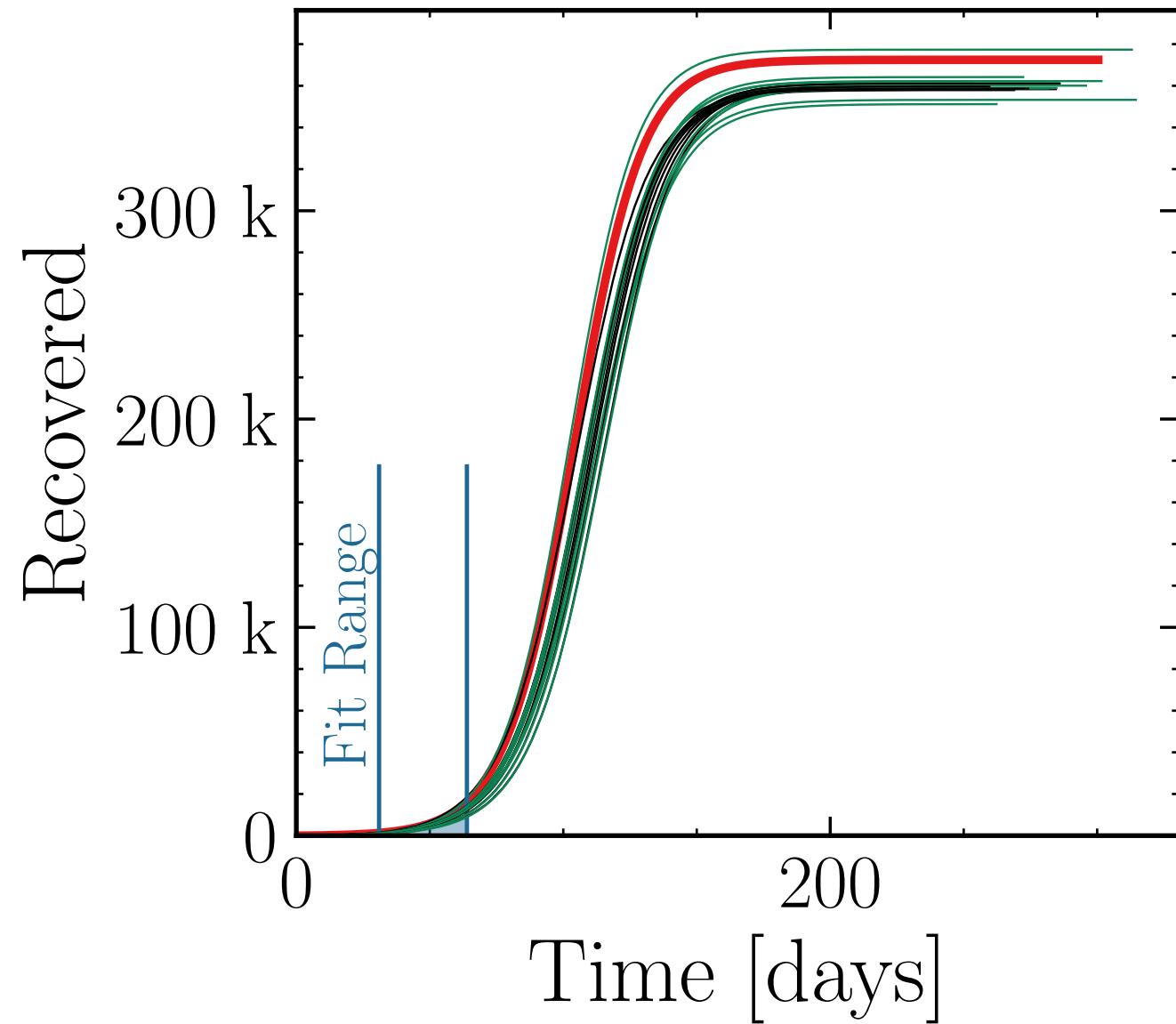
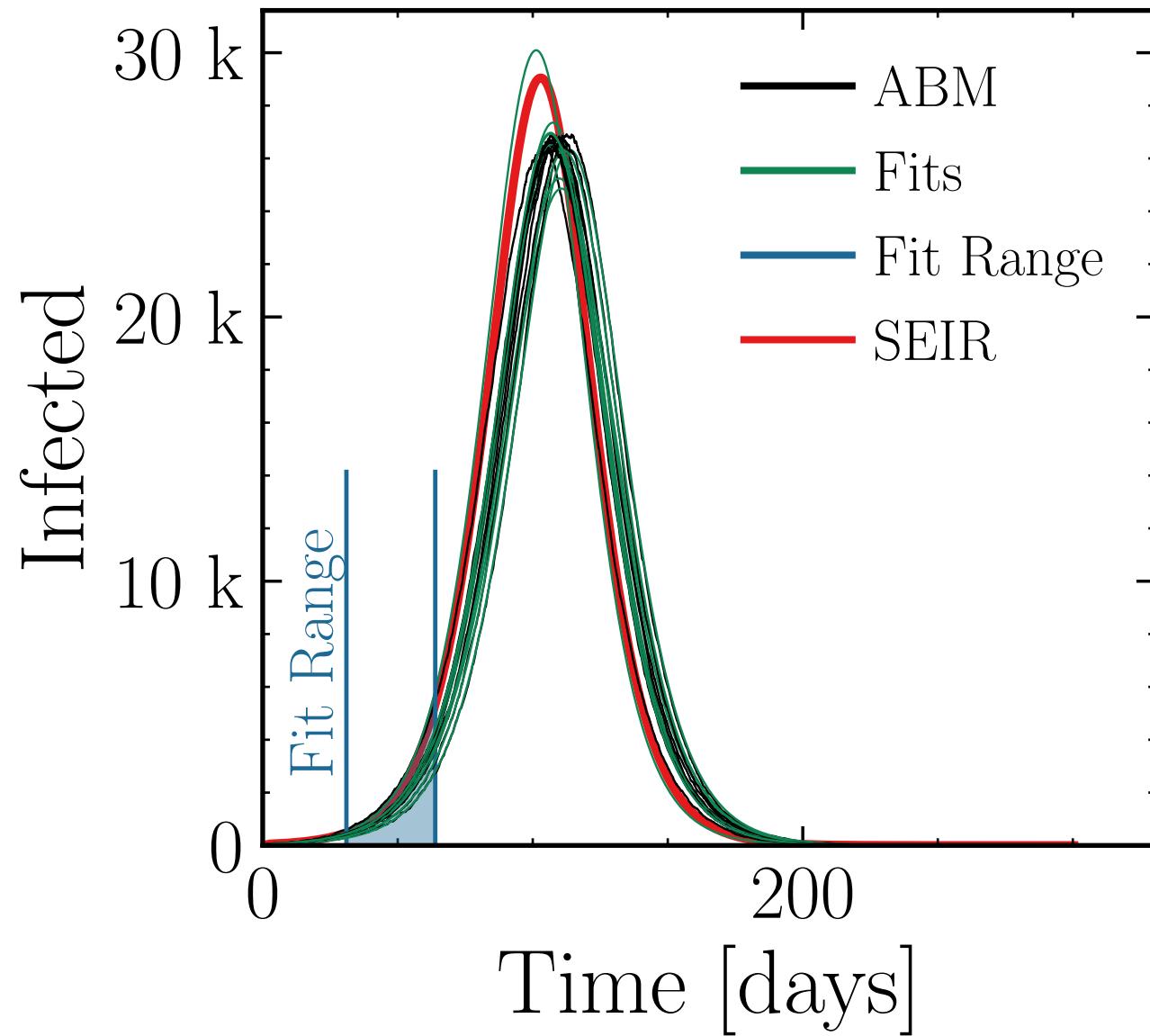
$N_{\text{events}} = 1$ , event<sub>size<sub>max</sub></sub> = 40, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$$I_{\text{max}}^{\text{fit}} = (26.7 \pm 1.6\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1 \pm 0.017$$

$$\text{v.} = 1.0, \text{hash} = \text{d40876aa7b}\#10, R_{\infty}^{\text{fit}} = (361 \pm 0.59\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.004 \pm 0.0063$$



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

$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 1$ , event<sub>size<sub>max</sub></sub> = 50, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

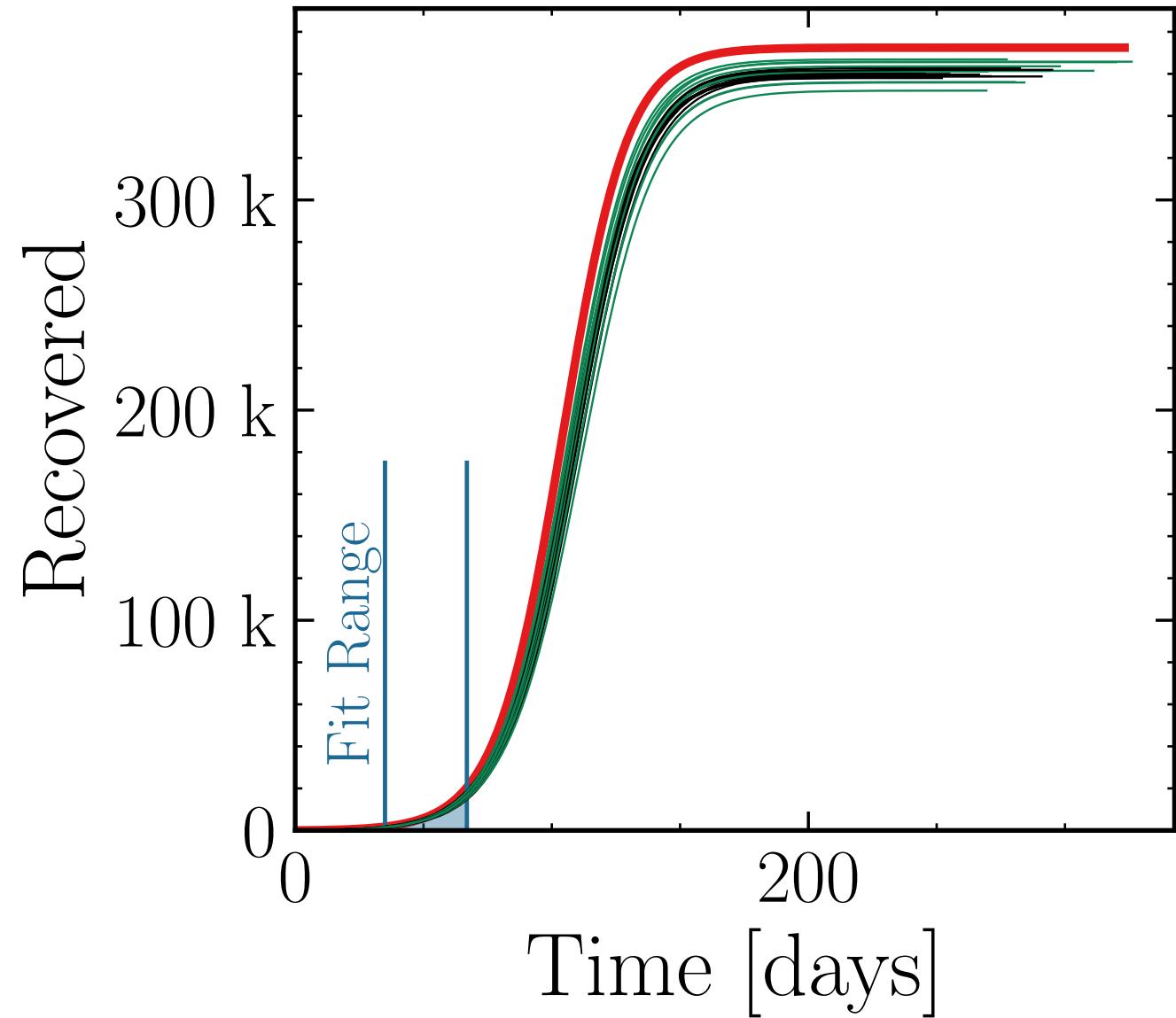
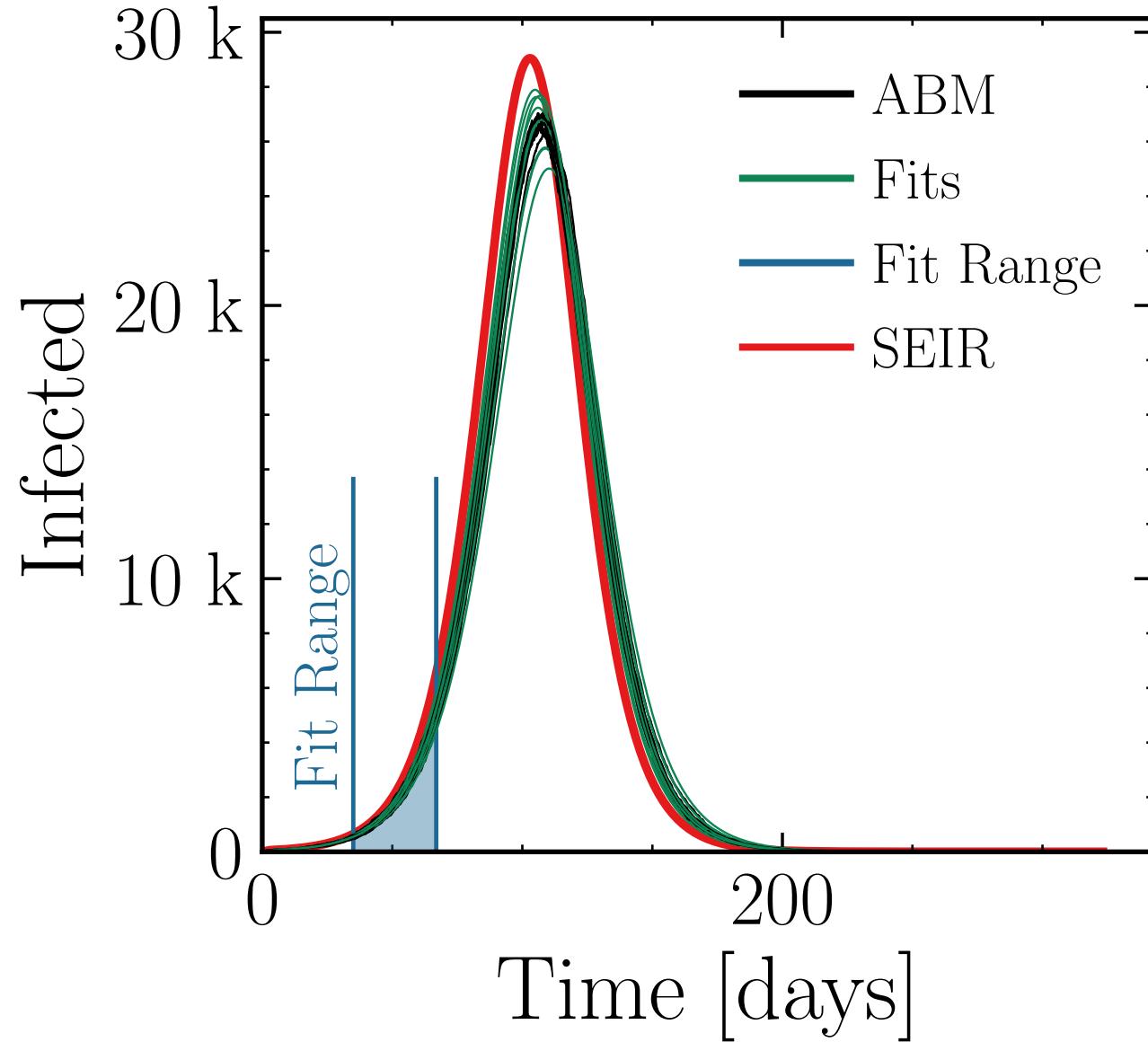
$$I_{\text{max}}^{\text{fit}} = (26.7 \pm 1.1\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1 \pm 0.011$$

$$\text{v.} = 1.0, \text{hash} = 1fa0c599dd, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (361 \pm 0.41\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.003 \pm 0.0042$$



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

$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

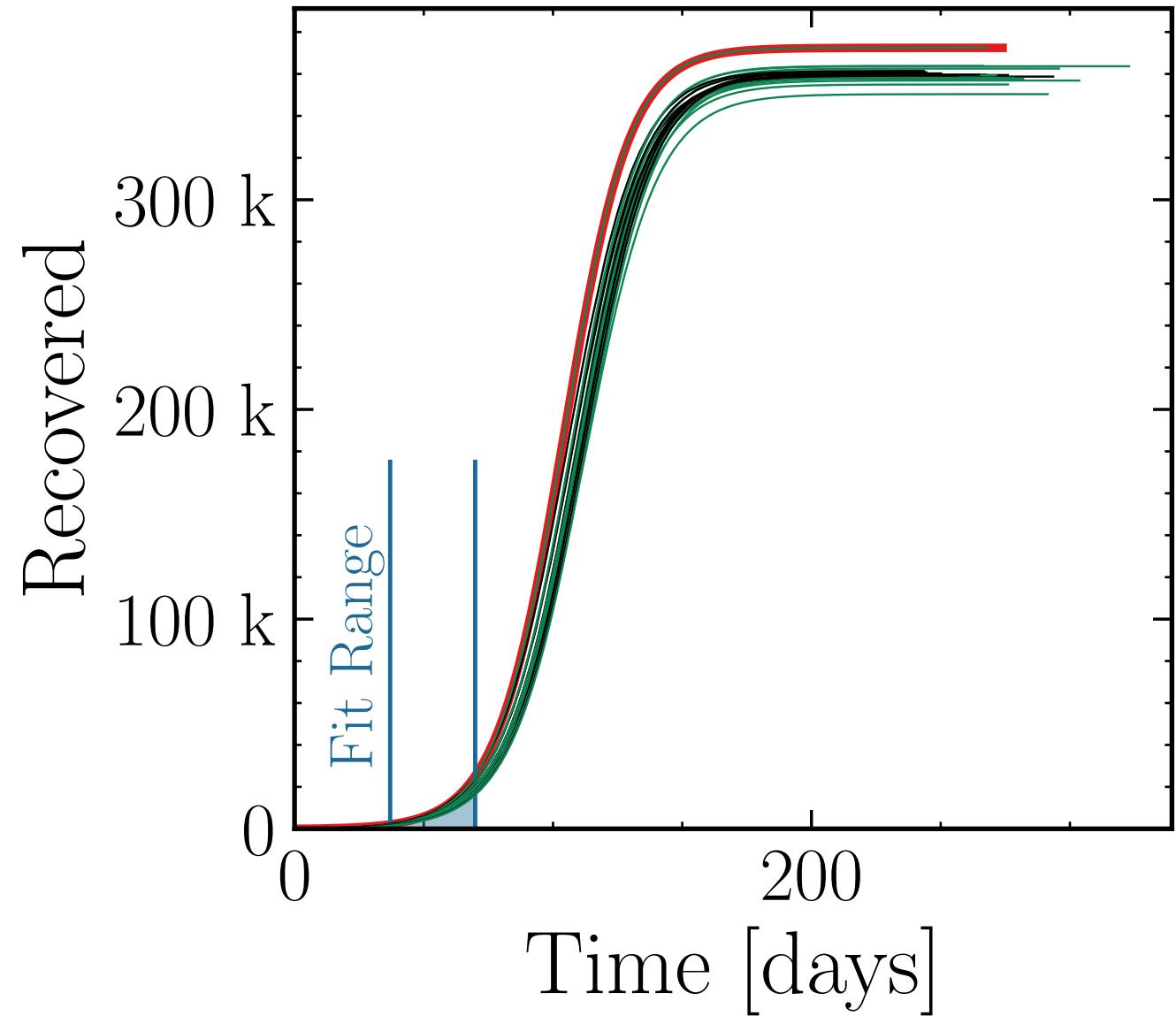
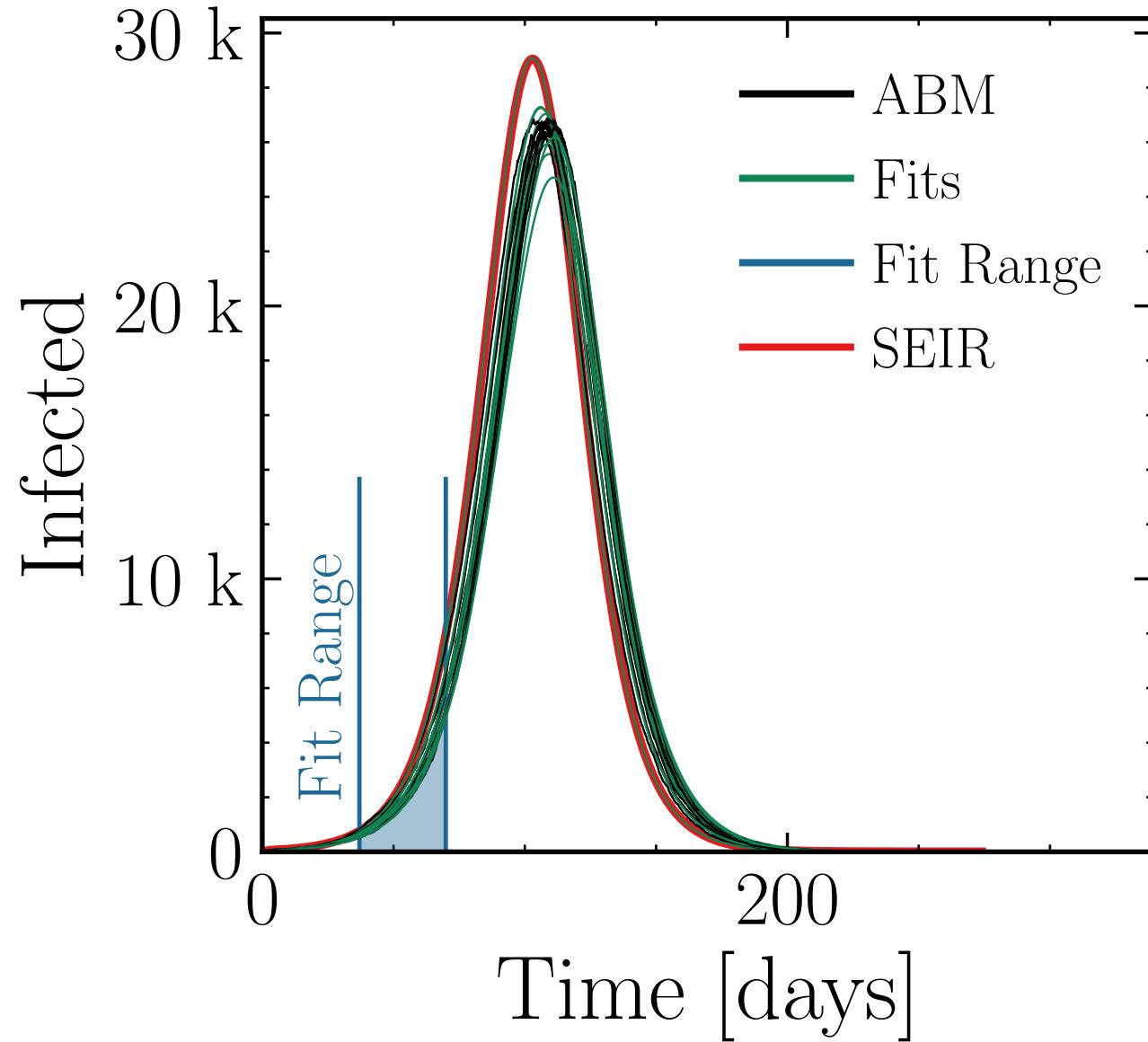
$N_{\text{events}} = 1$ , event<sub>size<sub>max</sub></sub> = 75, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$$I_{\text{max}}^{\text{fit}} = (26.6 \pm 1.3\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 0.995 \pm 0.013 \quad v. = 1.0, \text{ hash} = \text{c0d5661af4}, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (360 \pm 0.51\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1 \pm 0.0047$$



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

$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

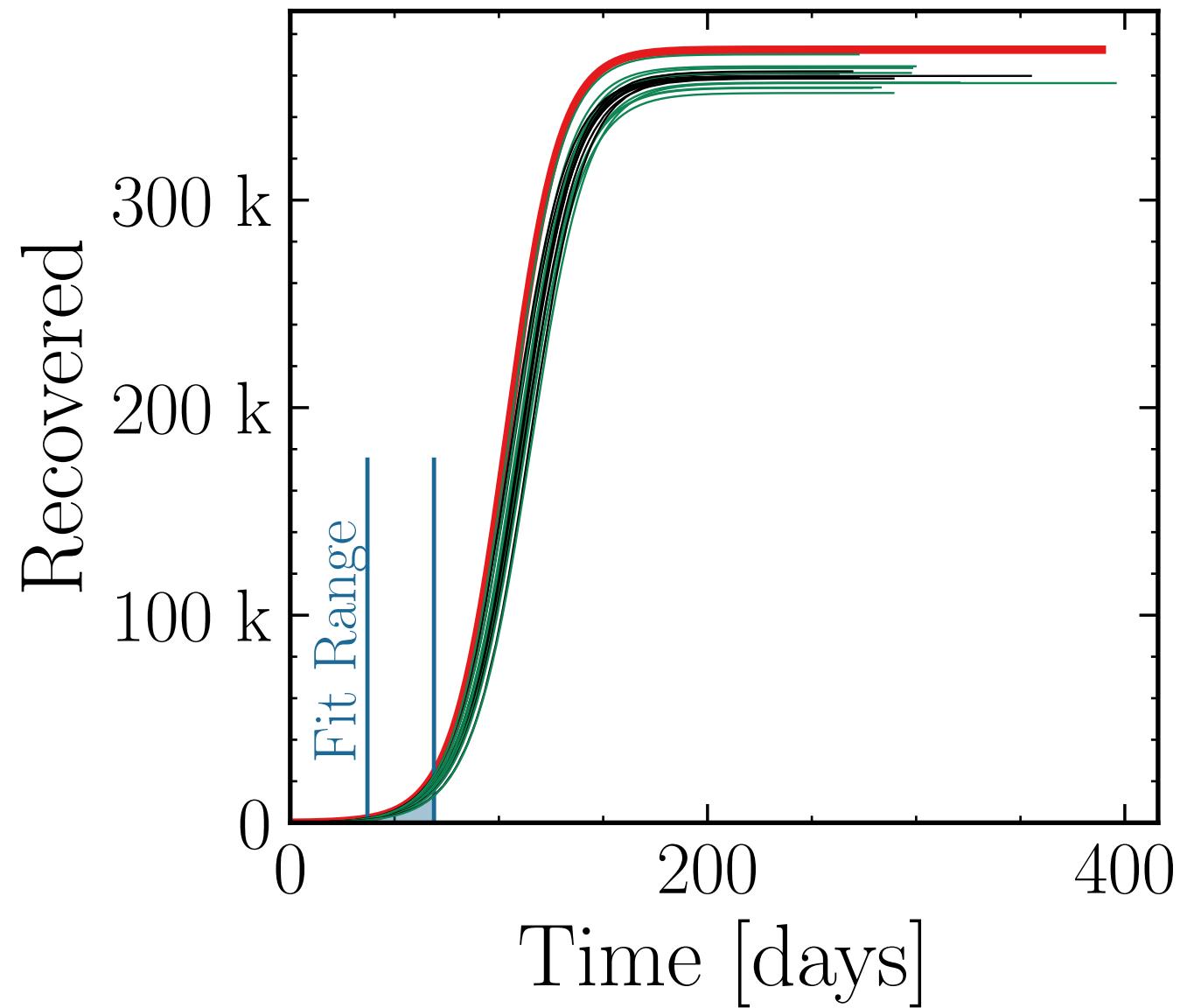
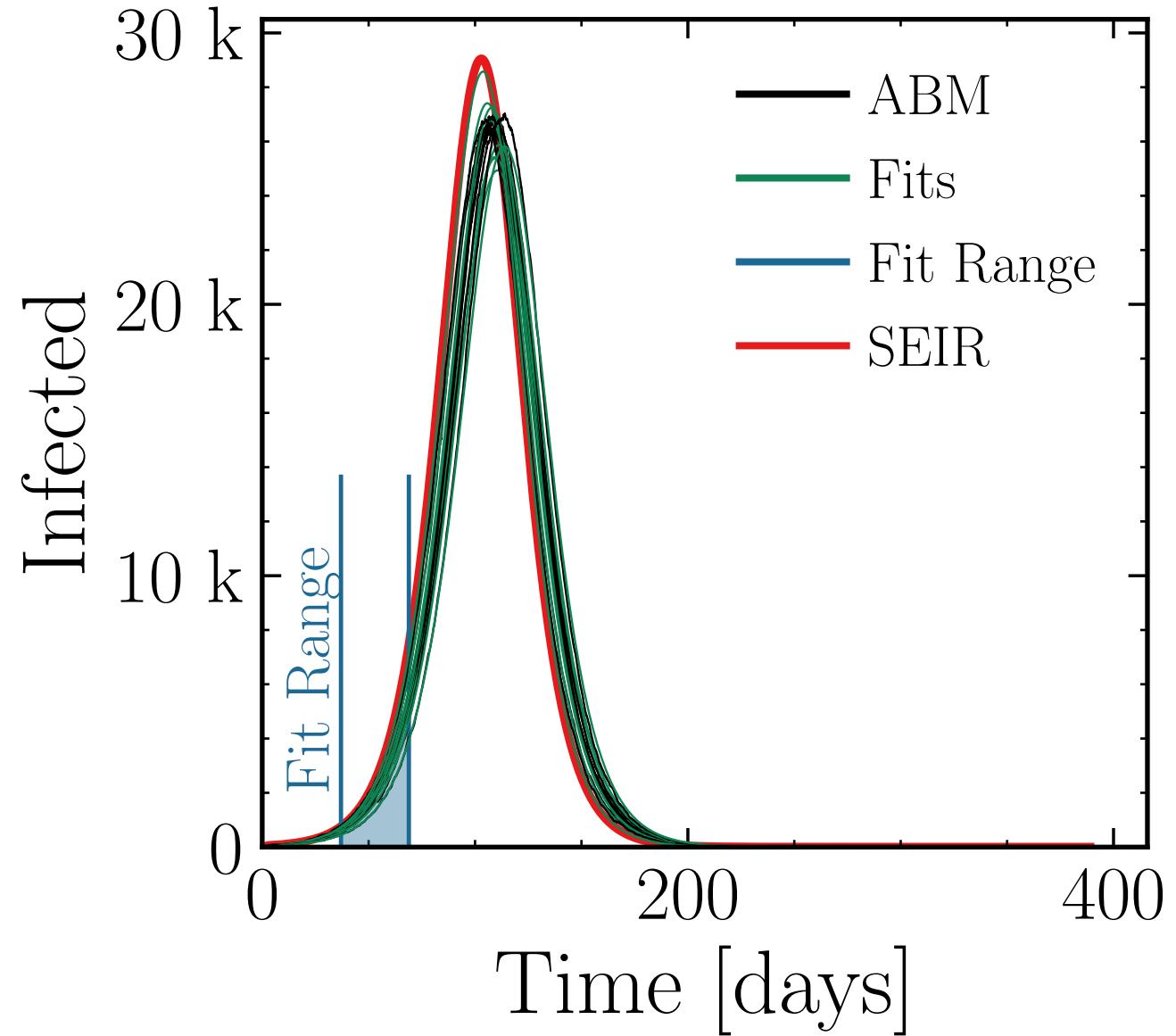
$N_{\text{events}} = 1$ , event<sub>size<sub>max</sub></sub> = 100, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$$I_{\text{max}}^{\text{fit}} = (26.4 \pm 1.3\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 0.99 \pm 0.01 \quad v. = 1.0, \text{hash} = 23454db16c, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (359 \pm 0.49\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 0.999 \pm 0.005$$



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

$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

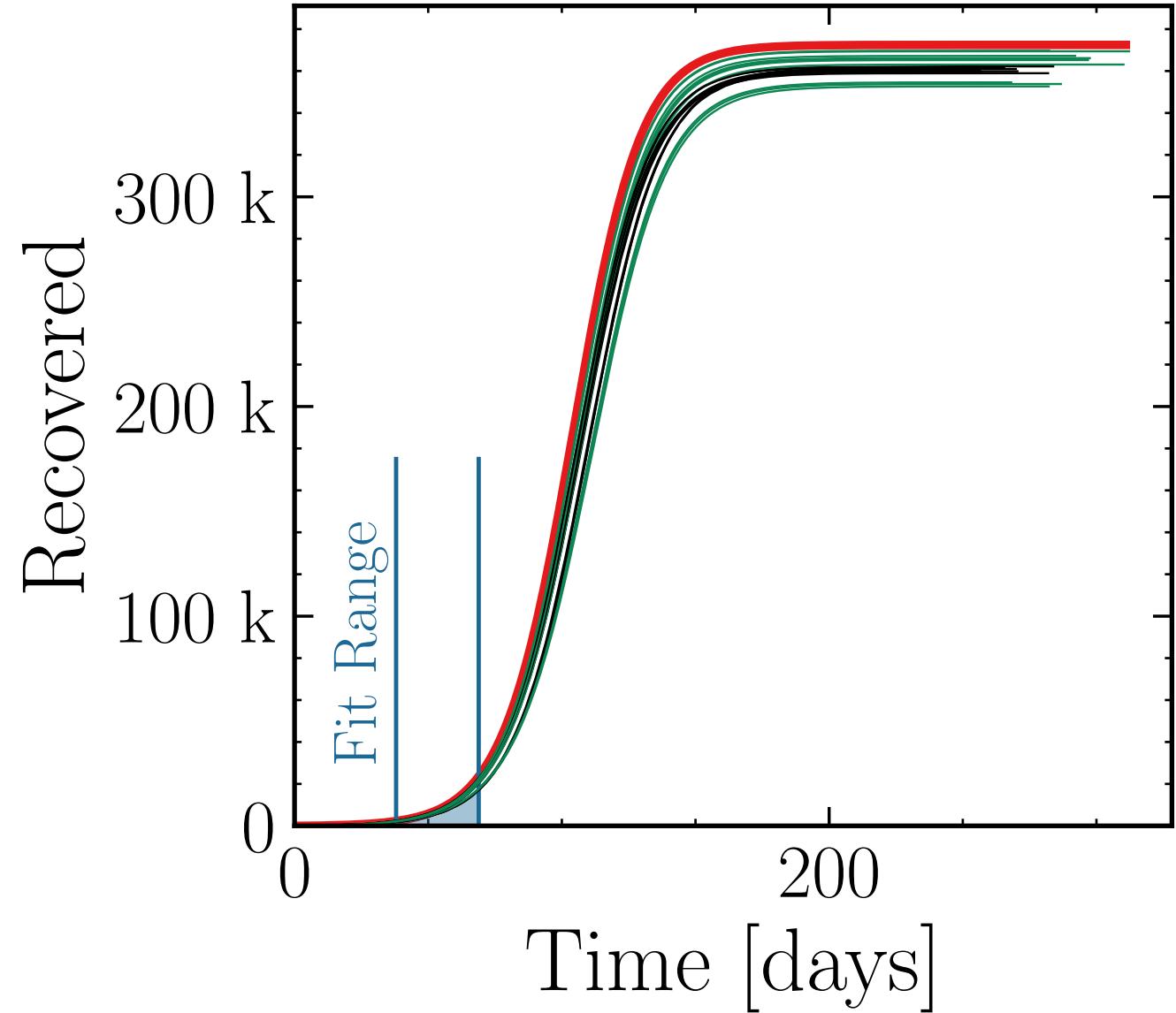
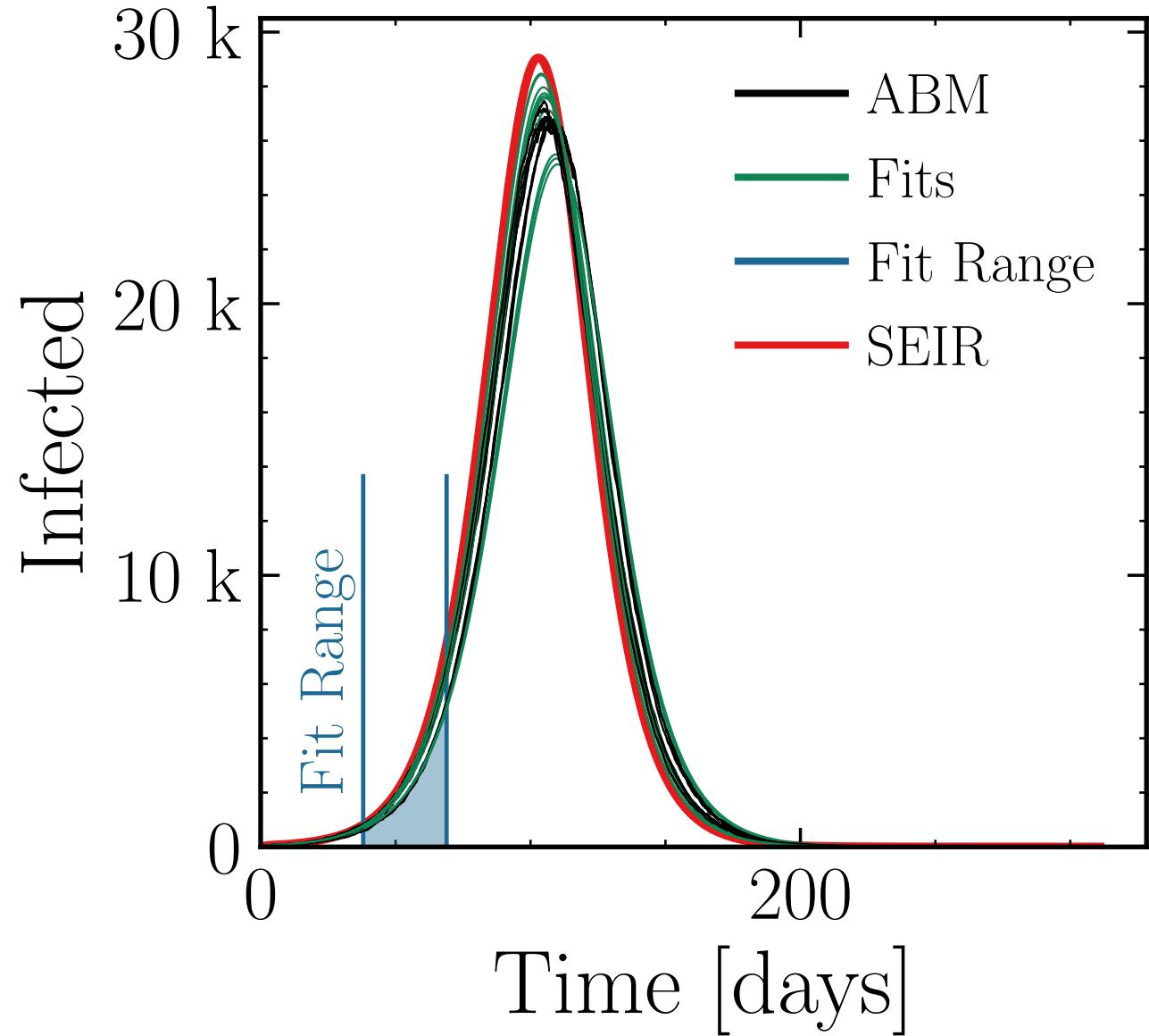
$N_{\text{events}} = 10$ , event<sub>size<sub>max</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$$I_{\text{max}}^{\text{fit}} = (27.1 \pm 1.4\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1.01 \pm 0.014 \quad v. = 1.0, \text{hash} = \text{a19e70827a}, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (363 \pm 0.54\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.006 \pm 0.0054$$



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

$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

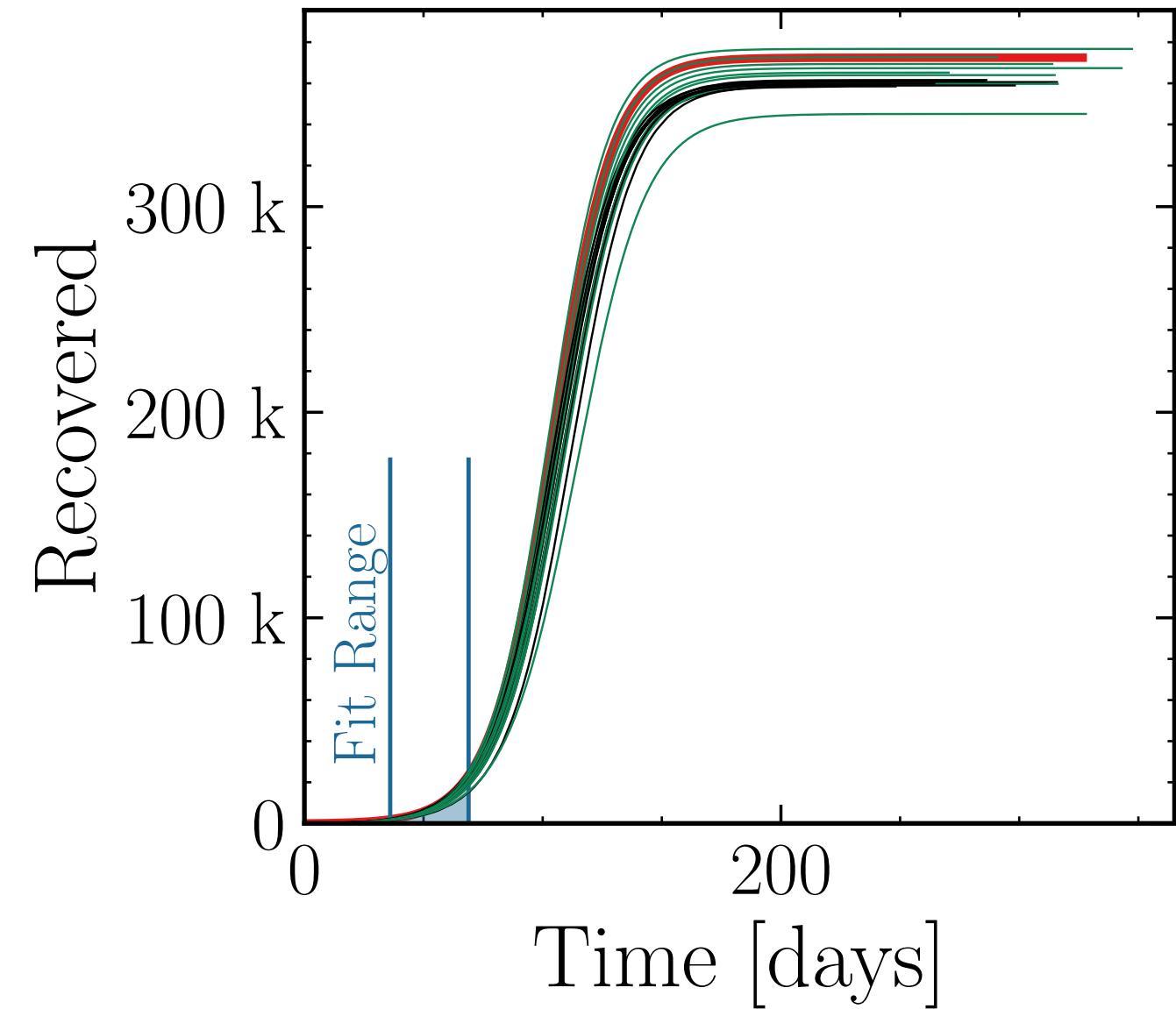
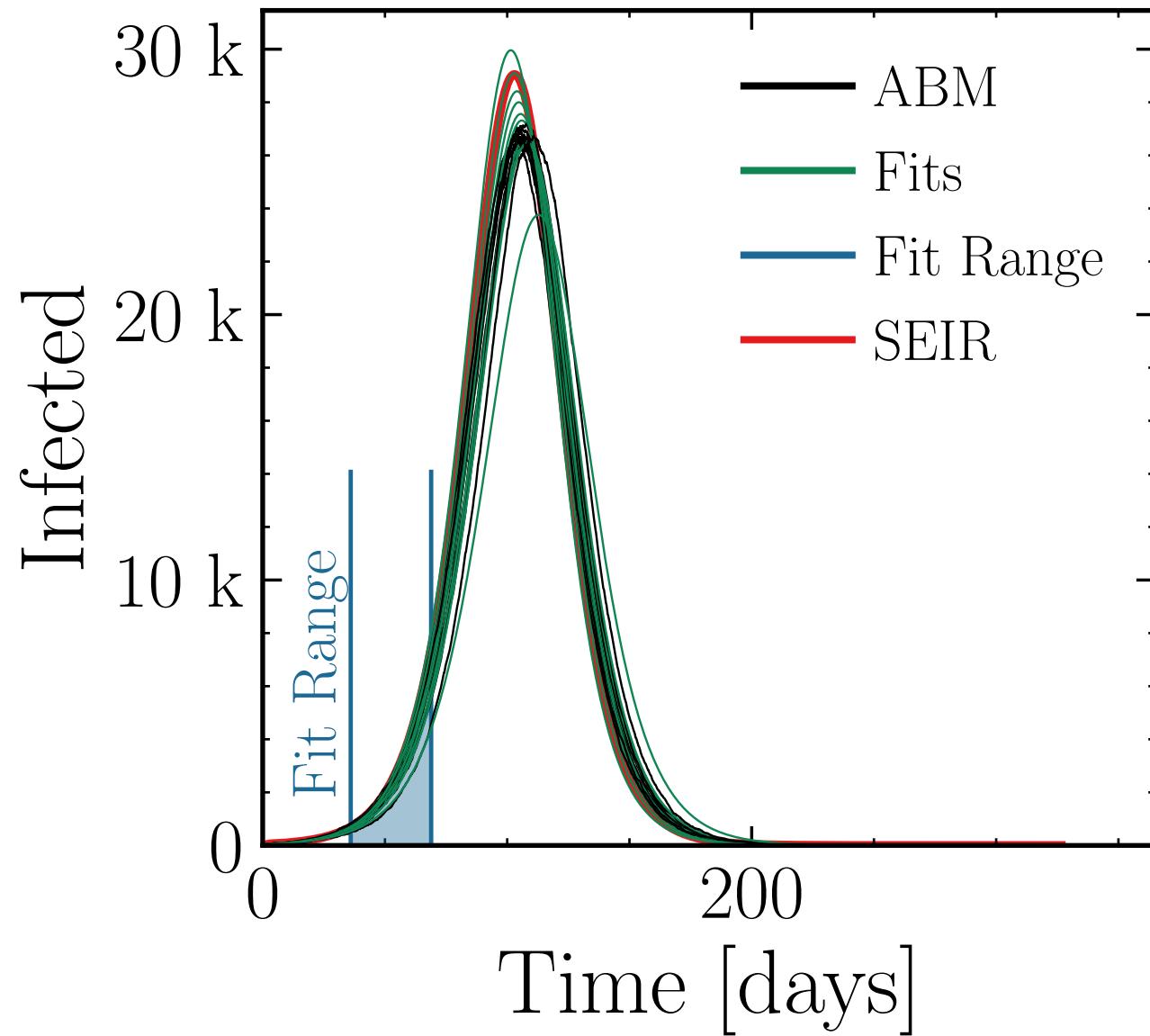
$N_{\text{events}} = 10$ , event<sub>size<sub>max</sub></sub> = 1, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$$I_{\text{max}}^{\text{fit}} = (27.4 \pm 1.9\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1.02 \pm 0.019 \quad v. = 1.0, \text{hash} = \text{f4b4c745b2}, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (364 \pm 0.72\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.011 \pm 0.0069$$



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

$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

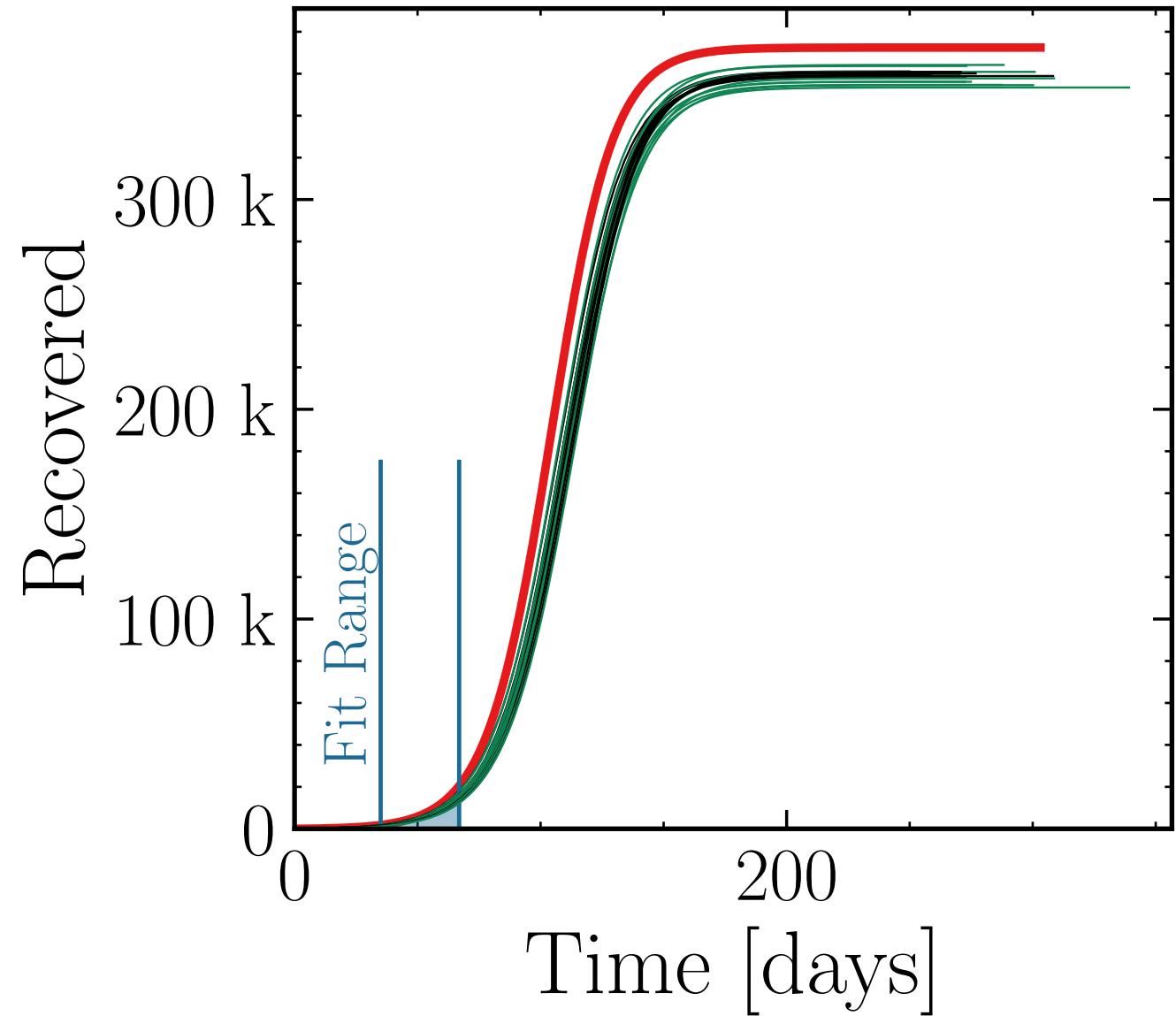
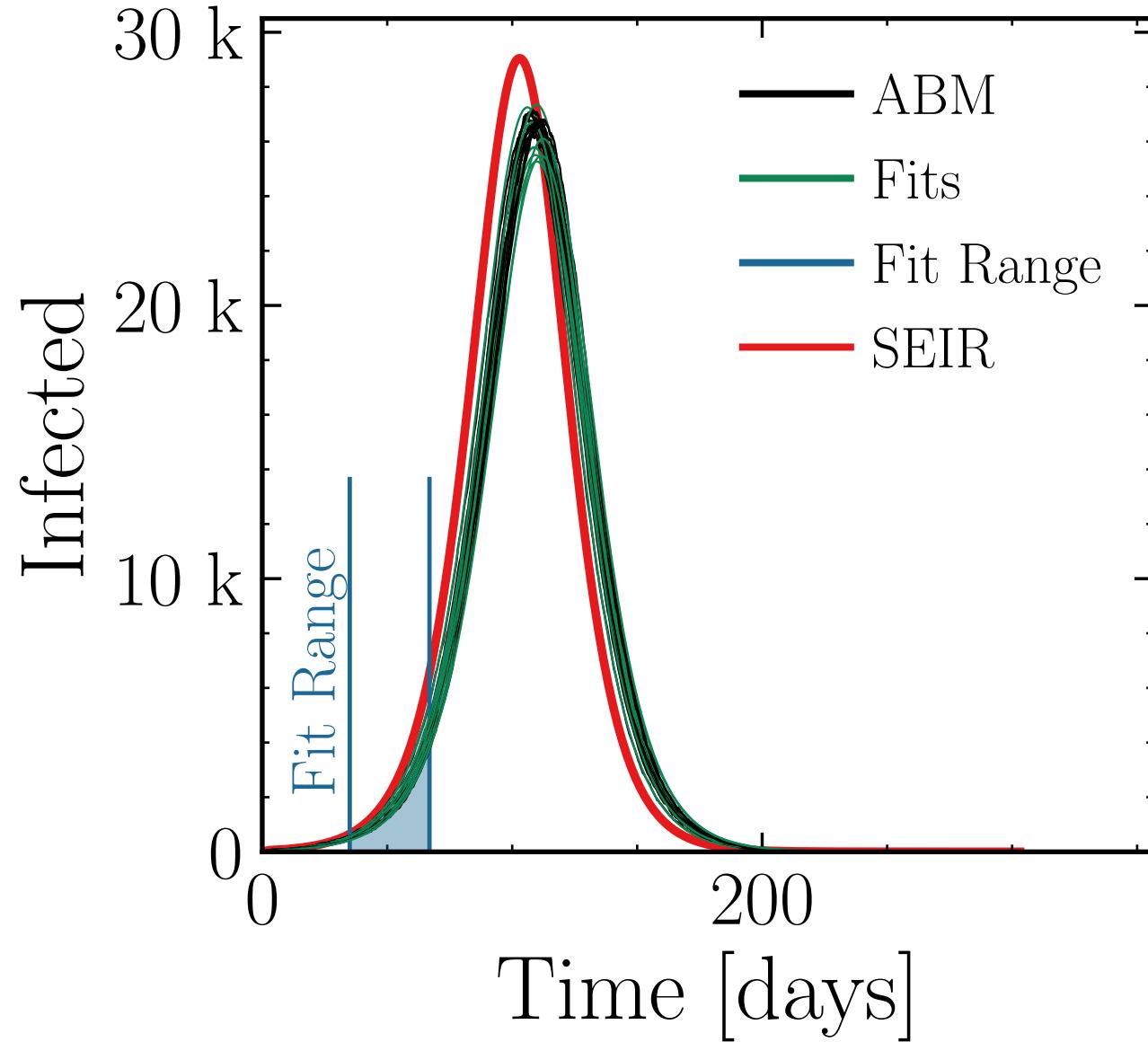
$N_{\text{events}} = 10$ , event<sub>size<sub>max</sub></sub> = 2, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$$I_{\text{max}}^{\text{fit}} = (26.2 \pm 0.85\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 0.978 \pm 0.009 \quad v. = 1.0, \text{ hash} = 31e398dbda, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (358 \pm 0.33\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 0.995 \pm 0.004$$



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

$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 10$ , event<sub>size<sub>max</sub></sub> = 3, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

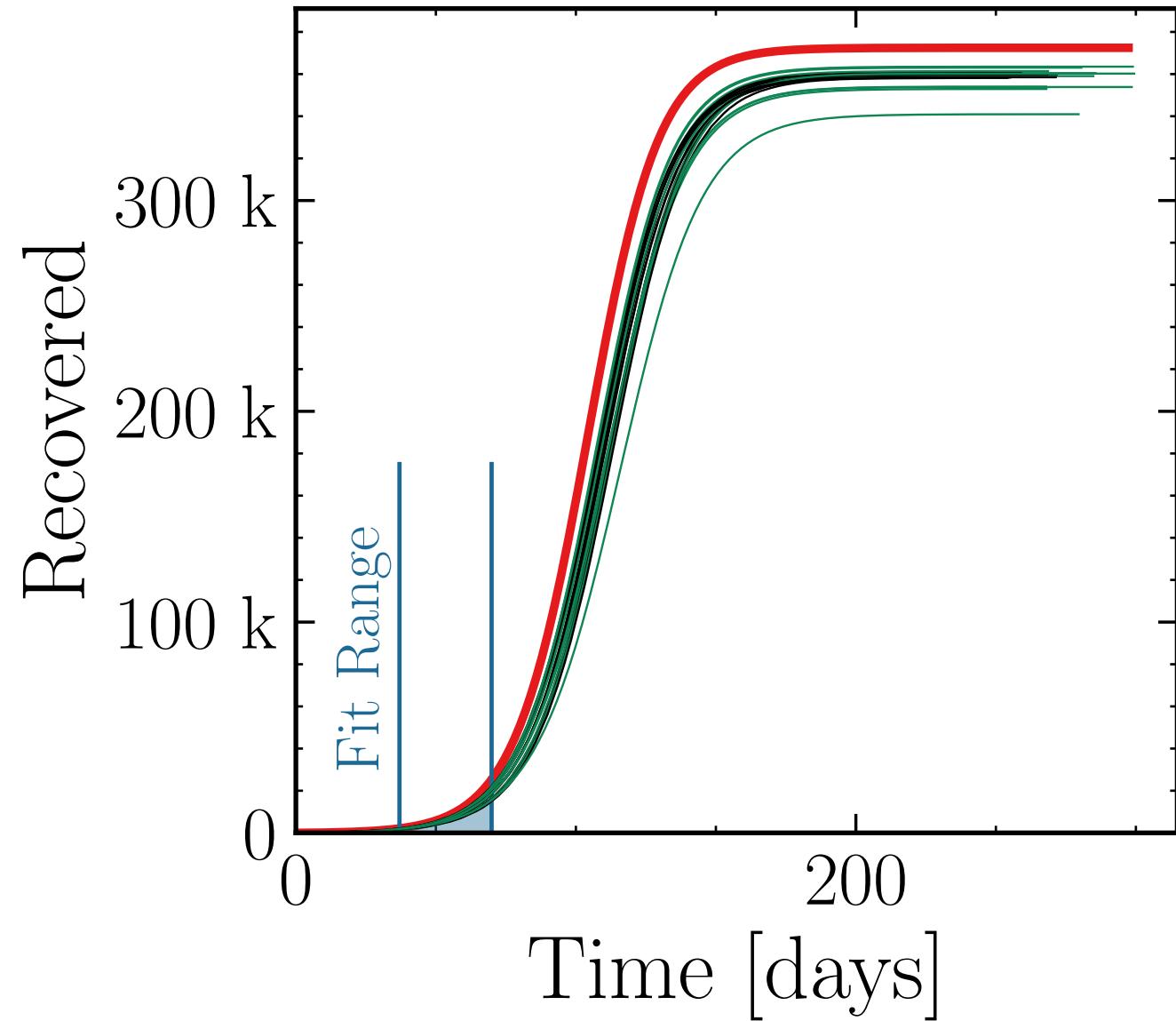
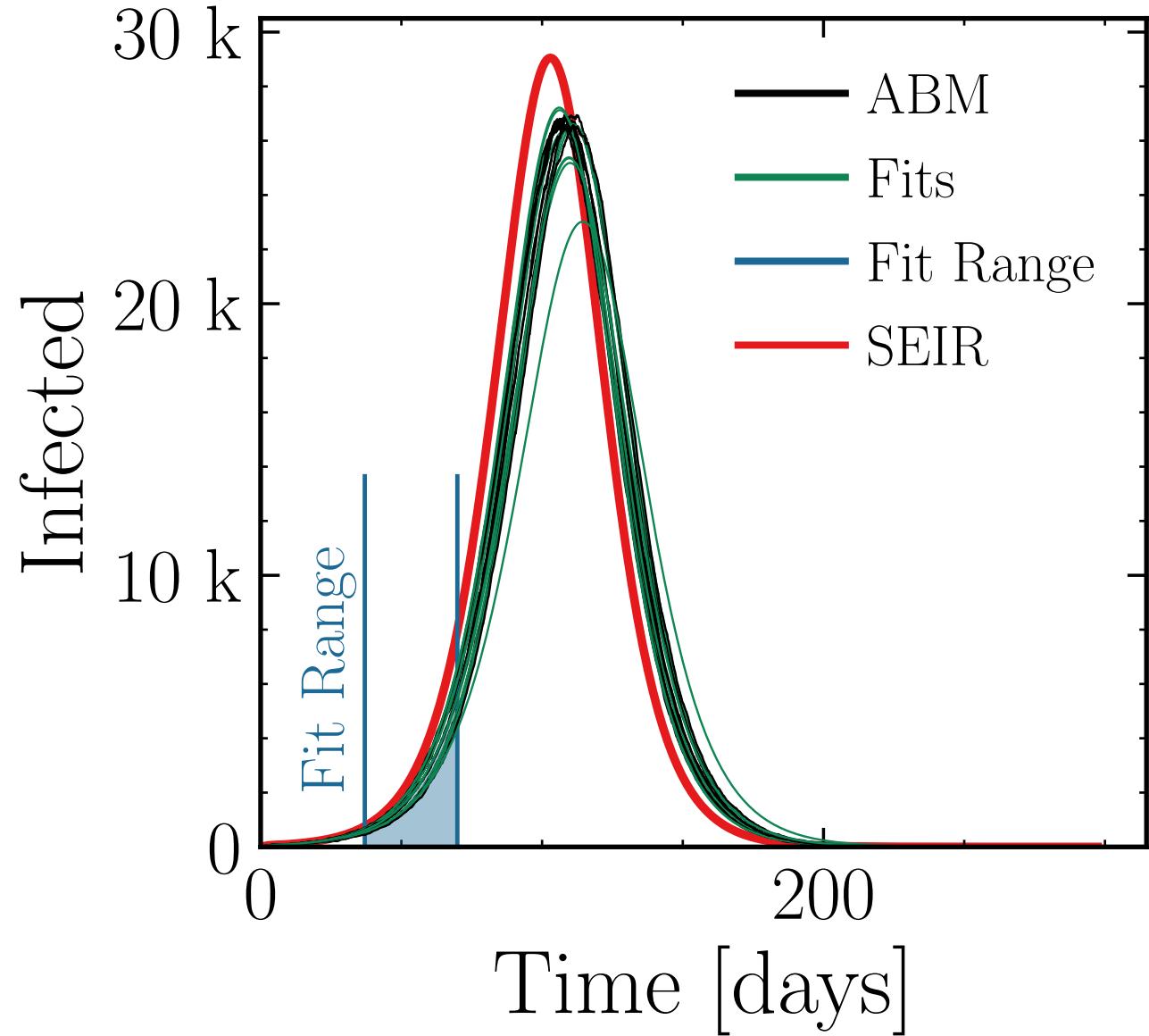
$$I_{\text{max}}^{\text{fit}} = (26 \pm 1.5\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 0.97 \pm 0.01$$

$$\text{v.} = 1.0, \text{hash} = 29ee1b2d7e, \#10$$

$$R_{\infty}^{\text{fit}} = (357 \pm 0.57\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 0.994 \pm 0.005$$



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

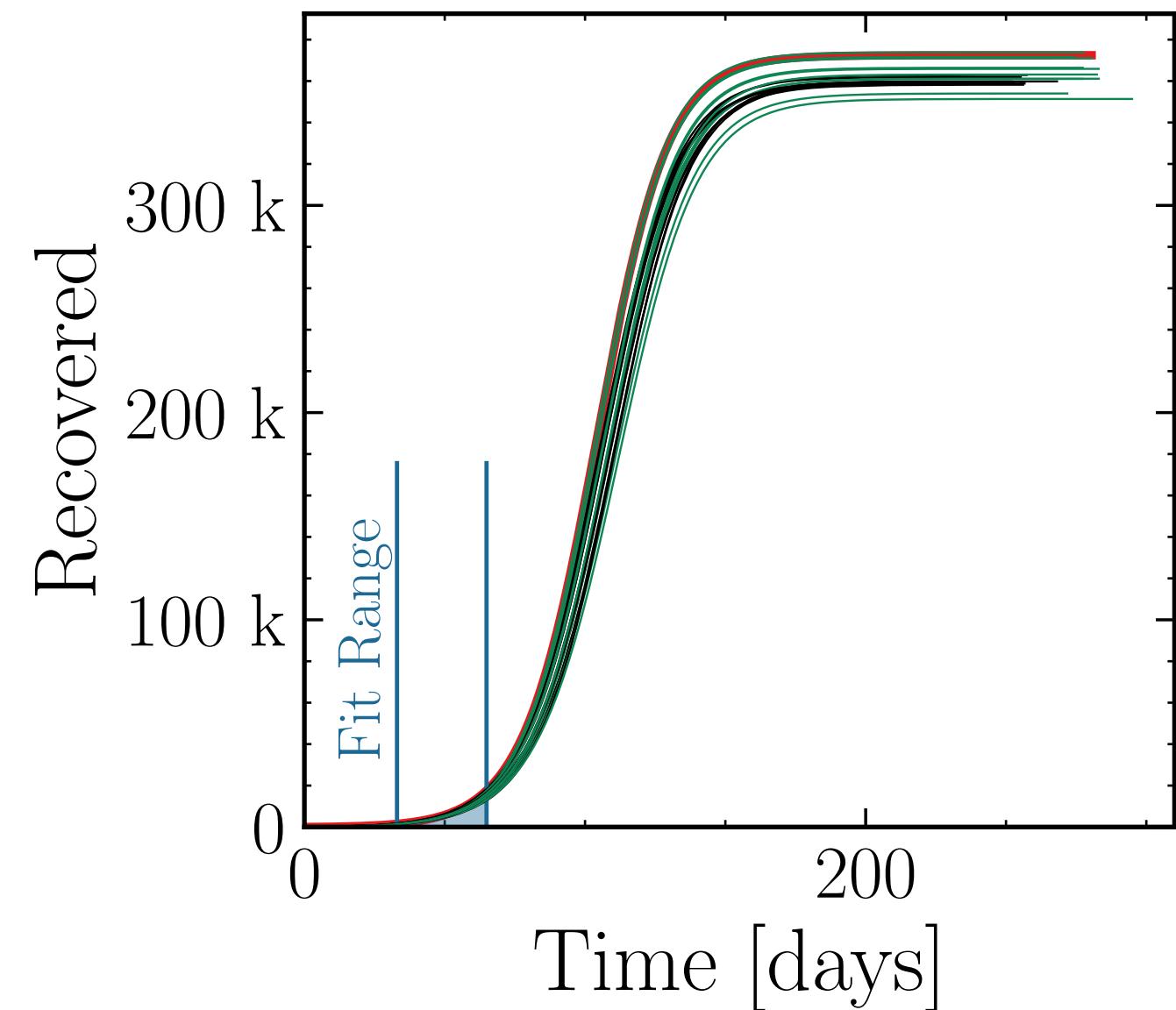
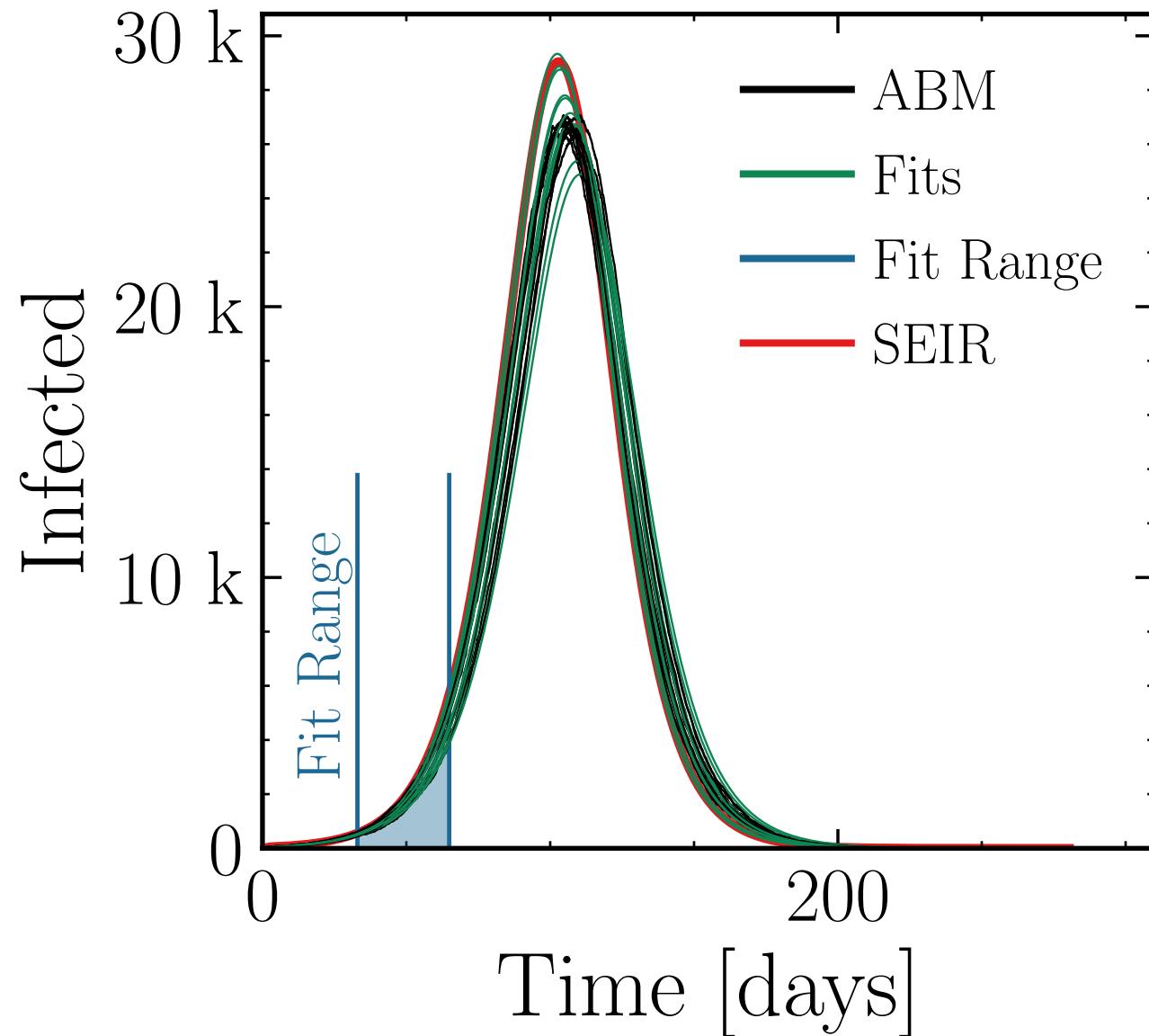
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 10$ , event<sub>size<sub>max</sub></sub> = 4, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$I_{\text{max}}^{\text{fit}} = (27.3 \pm 1.6\%) \cdot 10^3$

$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1.02 \pm 0.017$  v. = 1.0, hash = 56fe03b5a1 #10  
 $R_{\infty}^{\text{fit}} = (364 \pm 0.61\%) \cdot 10^3$

$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.012 \pm 0.0060$



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

$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

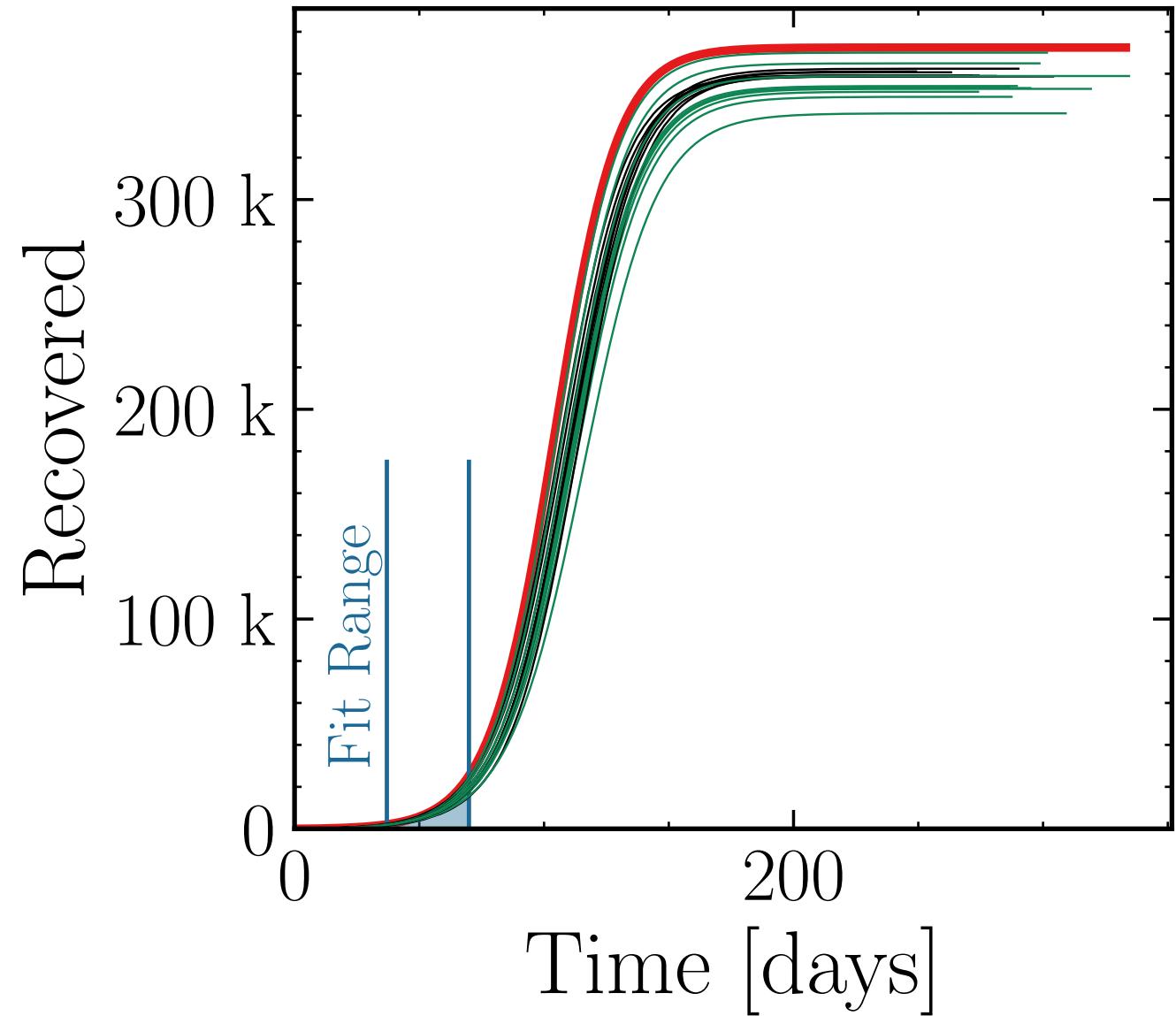
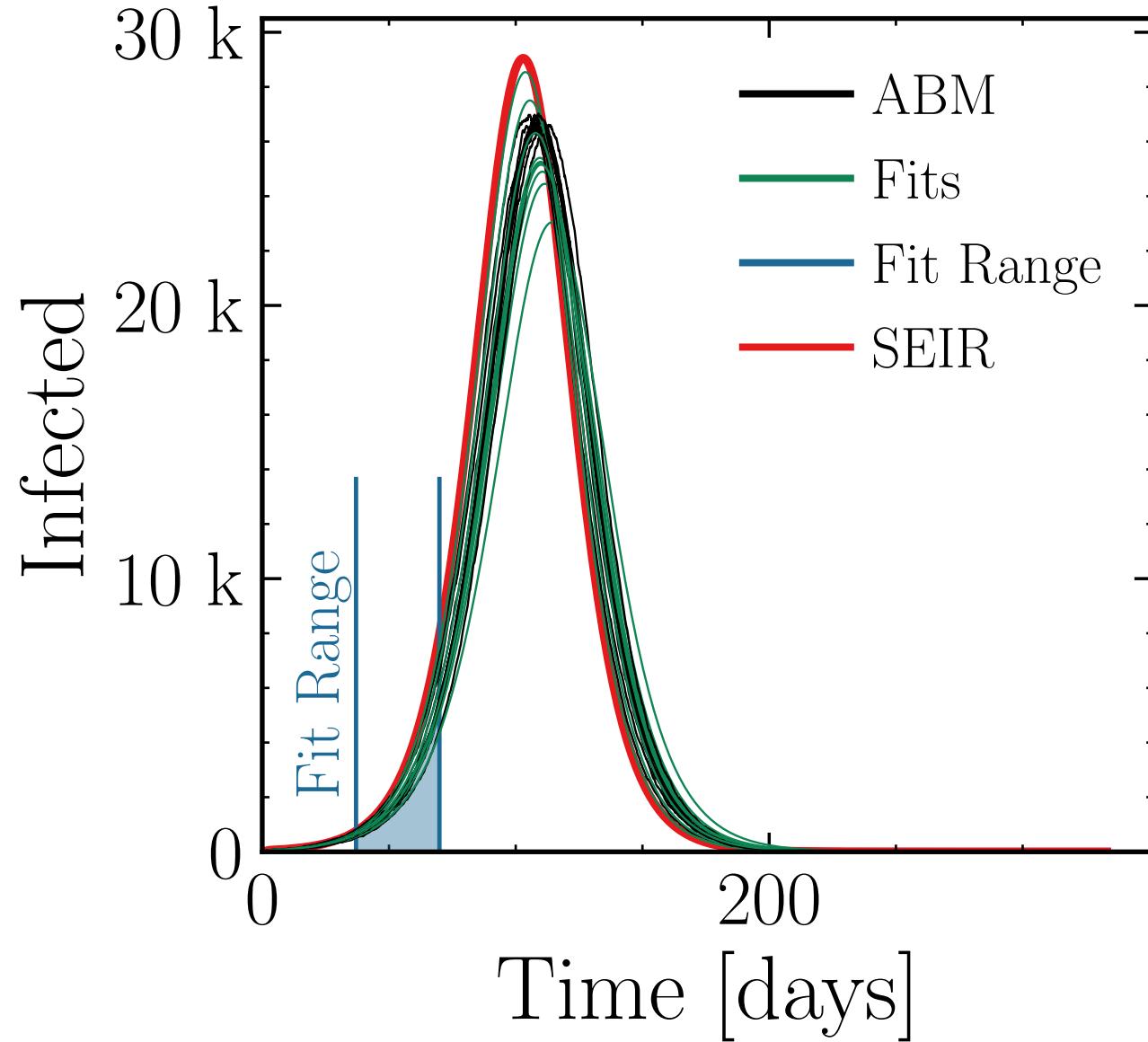
$N_{\text{events}} = 10$ , event<sub>size<sub>max</sub></sub> = 5, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$$I_{\text{max}}^{\text{fit}} = (25.6 \pm 1.8\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 0.96 \pm 0.02$$

$$\text{v.} = 1.0, \text{hash} = 649f62ea14\#10, R_{\infty}^{\text{fit}} = (355 \pm 0.69\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 0.987 \pm 0.007$$



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

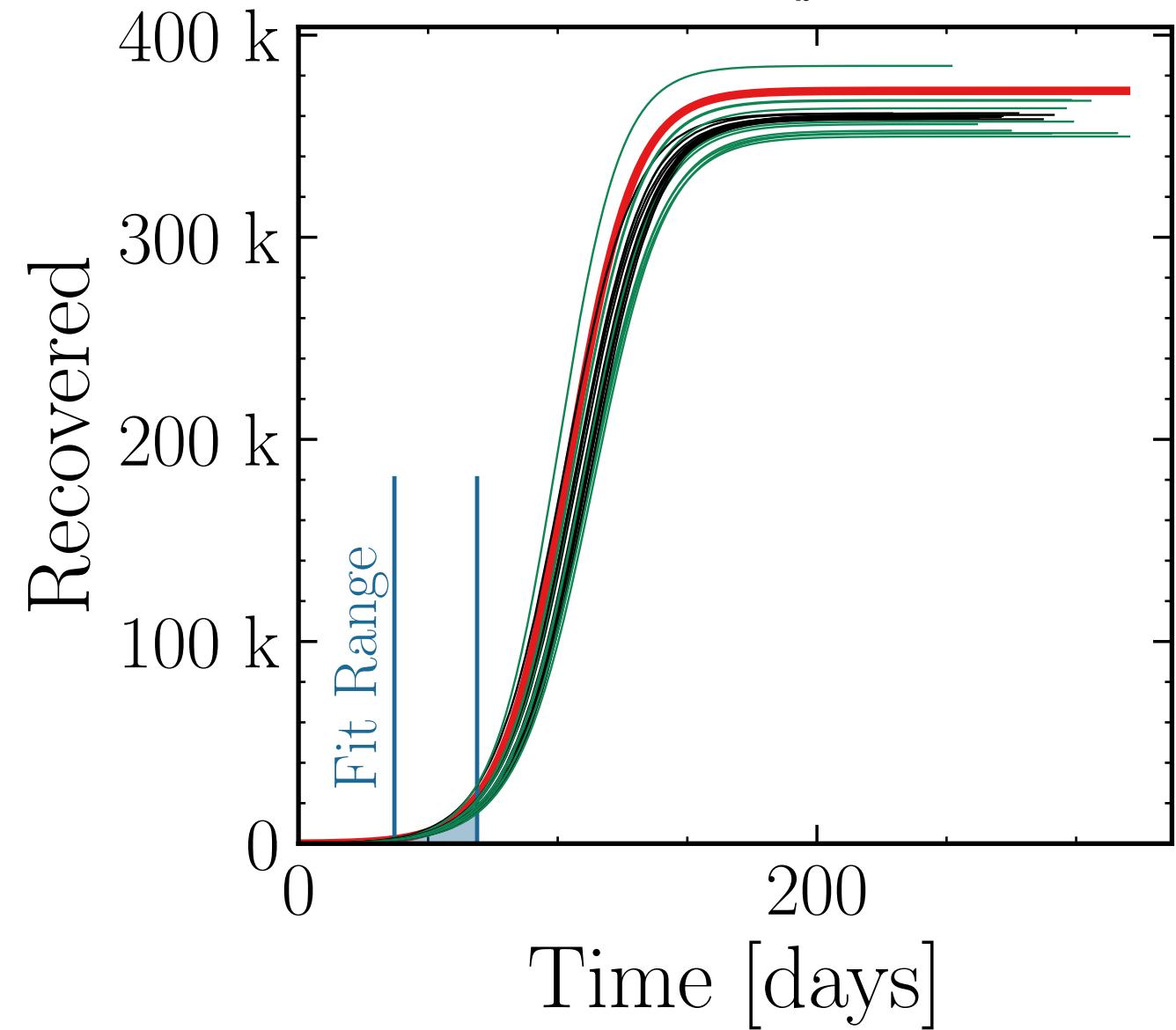
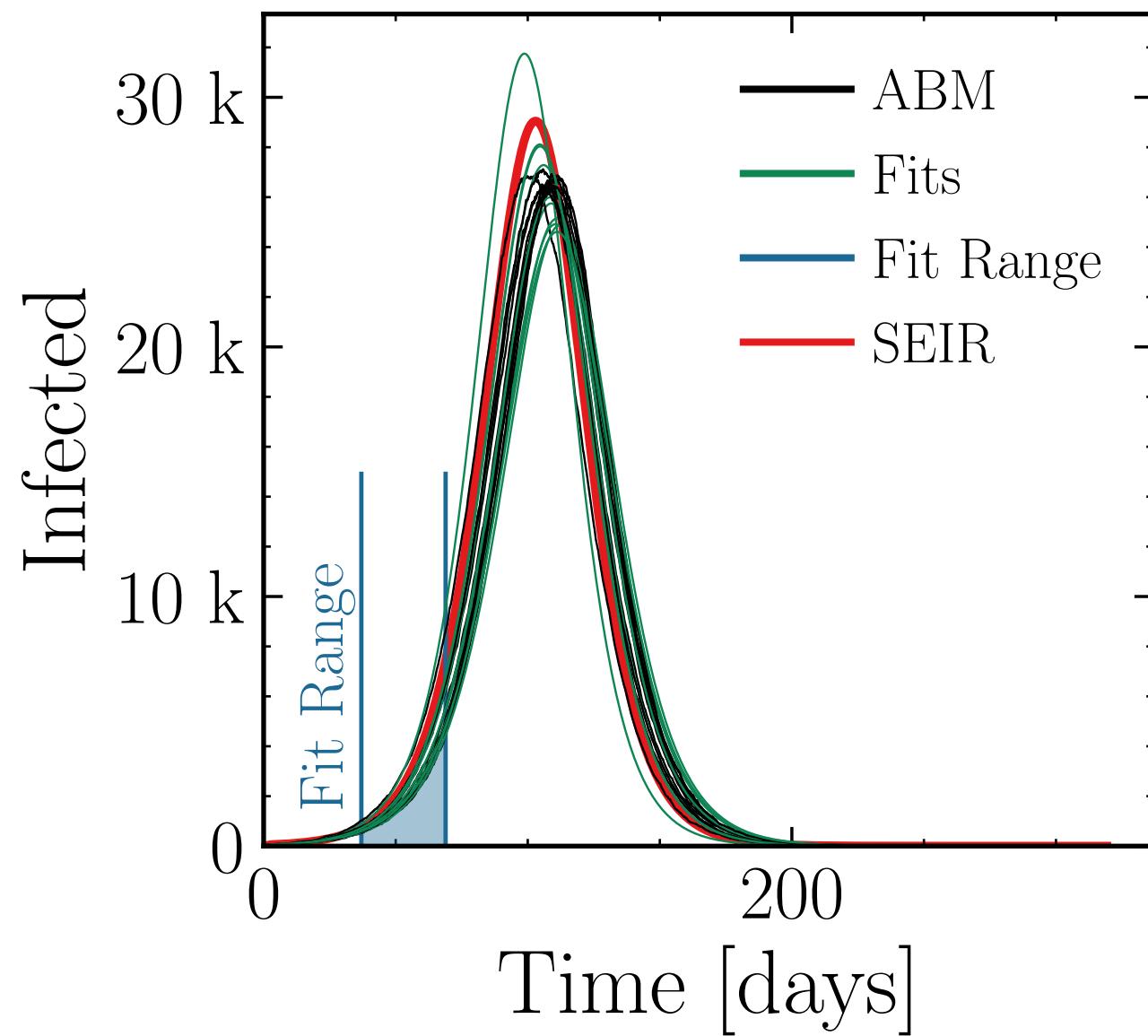
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 10$ , event<sub>size<sub>max</sub></sub> = 10, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{max}}^{\text{fit}} = (26.6 \pm 2.5\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 0.998 \pm 0.024 \quad v. = 1.0, \text{ hash} = 6b4b482e7e\#10 \\ R_{\infty}^{\text{fit}} = (360 \pm 0.91\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.001 \pm 0.0086$$



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

$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 10$ , event<sub>size<sub>max</sub></sub> = 15, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

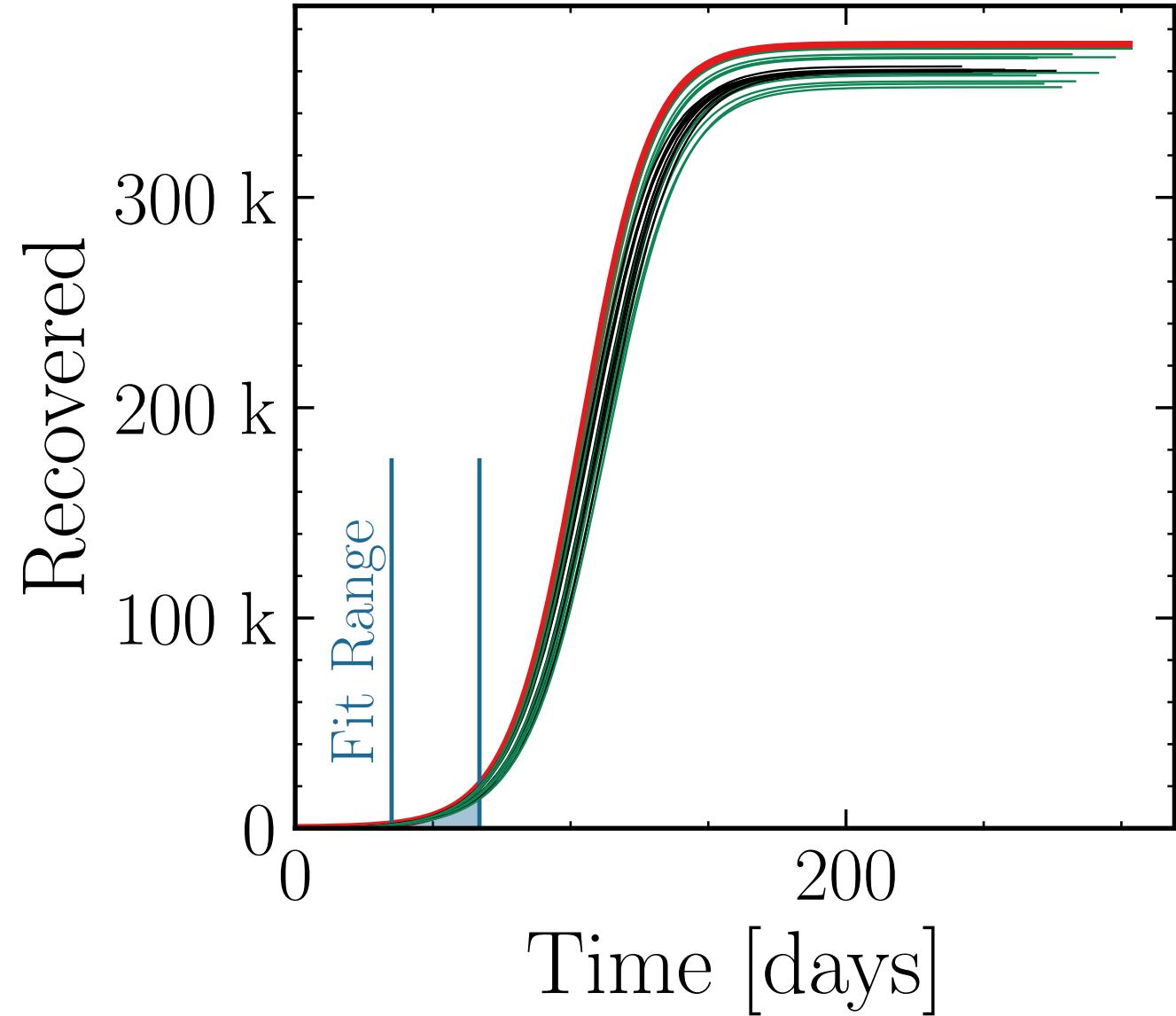
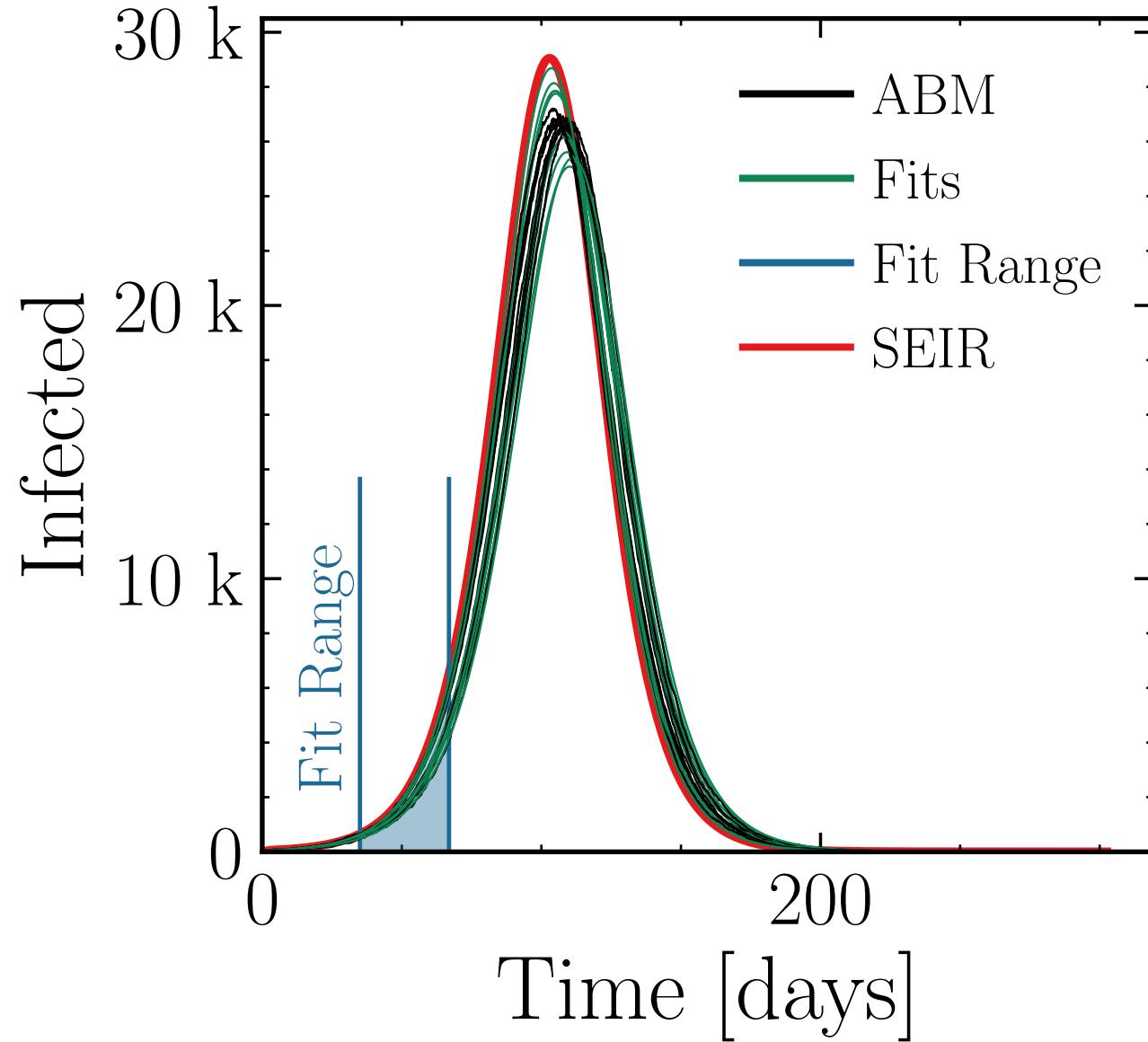
$$I_{\text{max}}^{\text{fit}} = (26.9 \pm 1.5\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1 \pm 0.014$$

$$\text{v.} = 1.0, \text{hash} = 0f41d8a995, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (362 \pm 0.56\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.004 \pm 0.0053$$



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

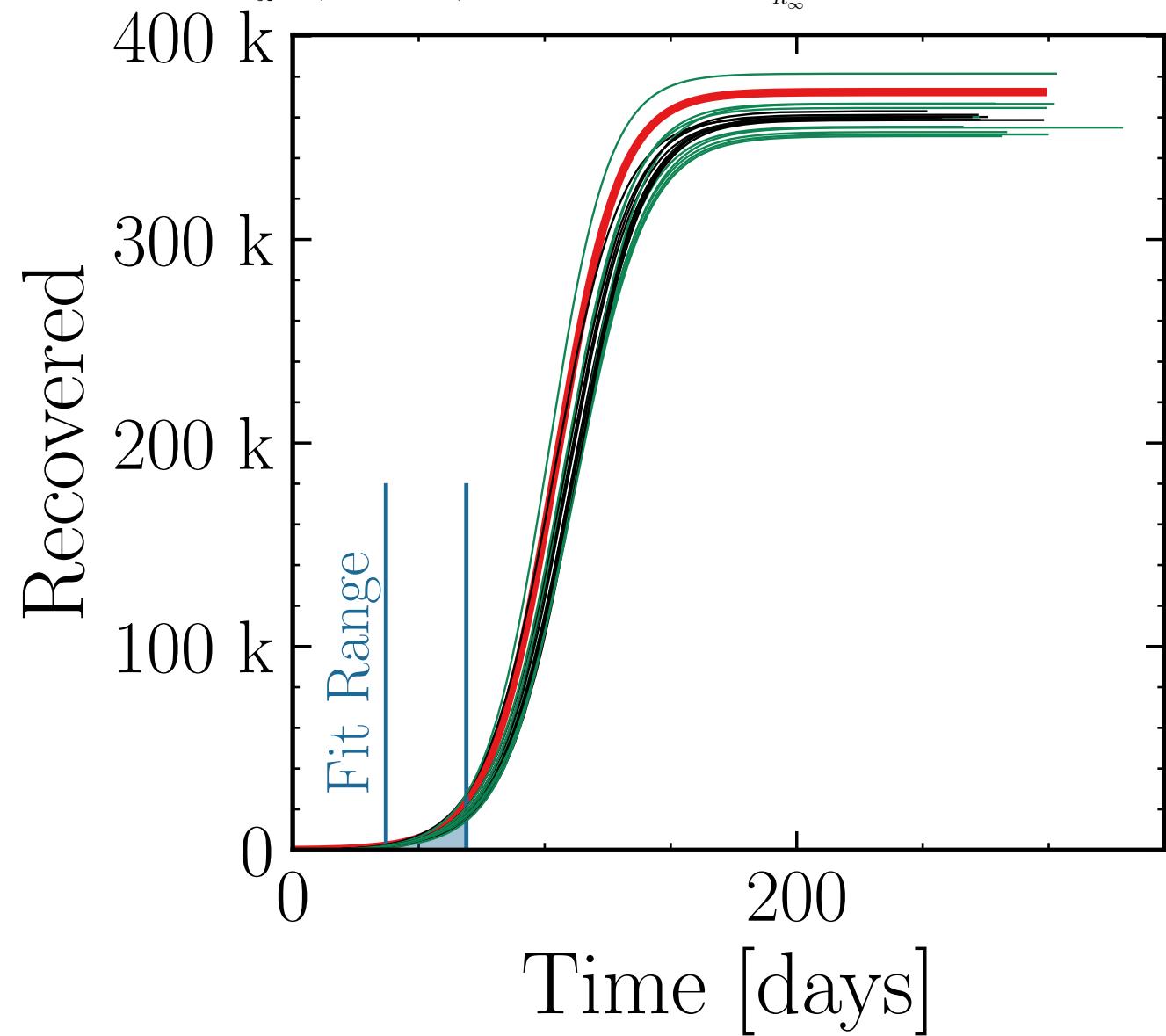
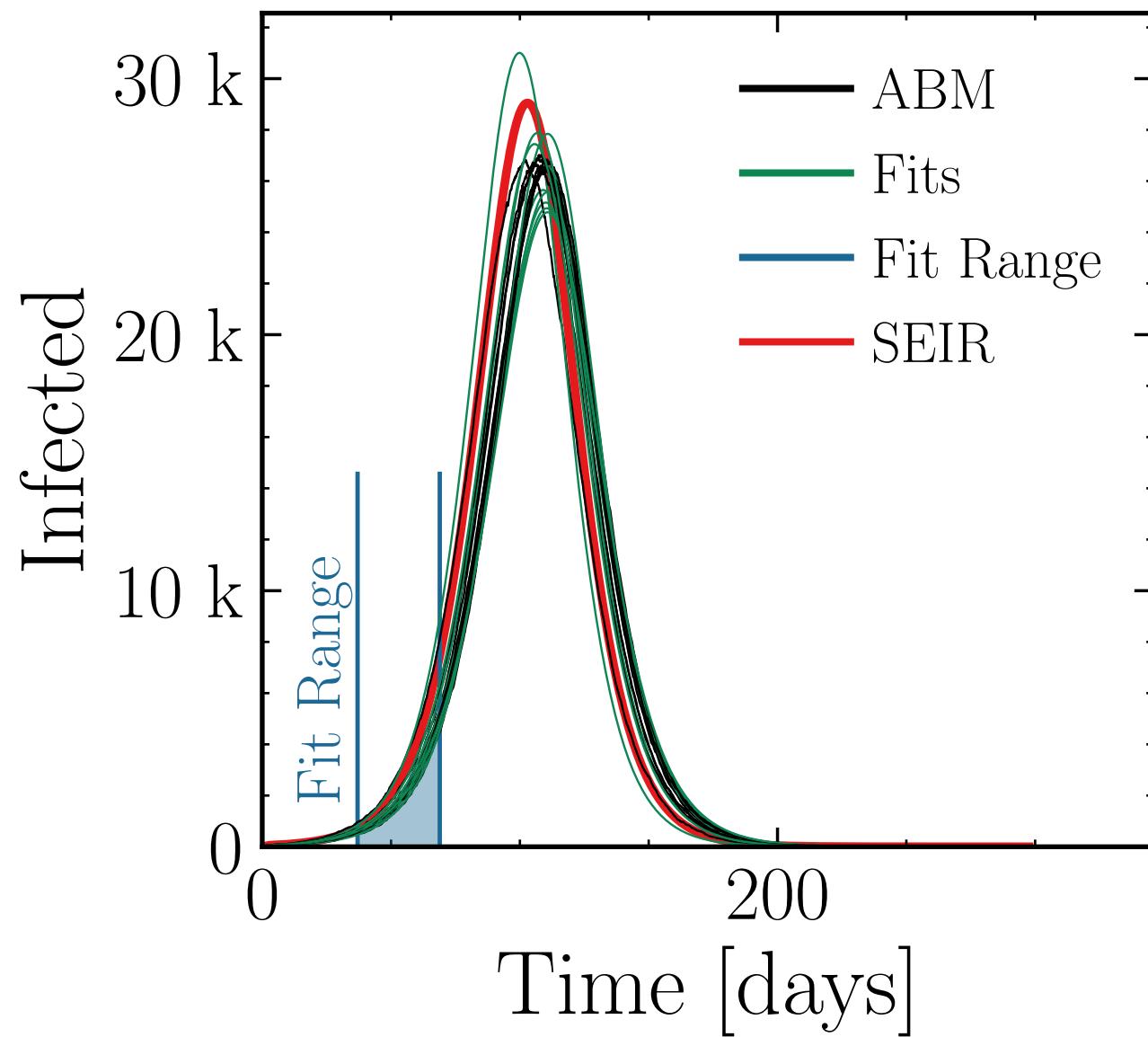
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 10$ , event<sub>size<sub>max</sub></sub> = 20, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{max}}^{\text{fit}} = (26.7 \pm 2.2\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 0.999 \pm 0.021 \quad v. = 1.0, \text{ hash} = 4cb3b72159, \#10 \\ R_{\infty}^{\text{fit}} = (361 \pm 0.8\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.001 \pm 0.0075$$



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

$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

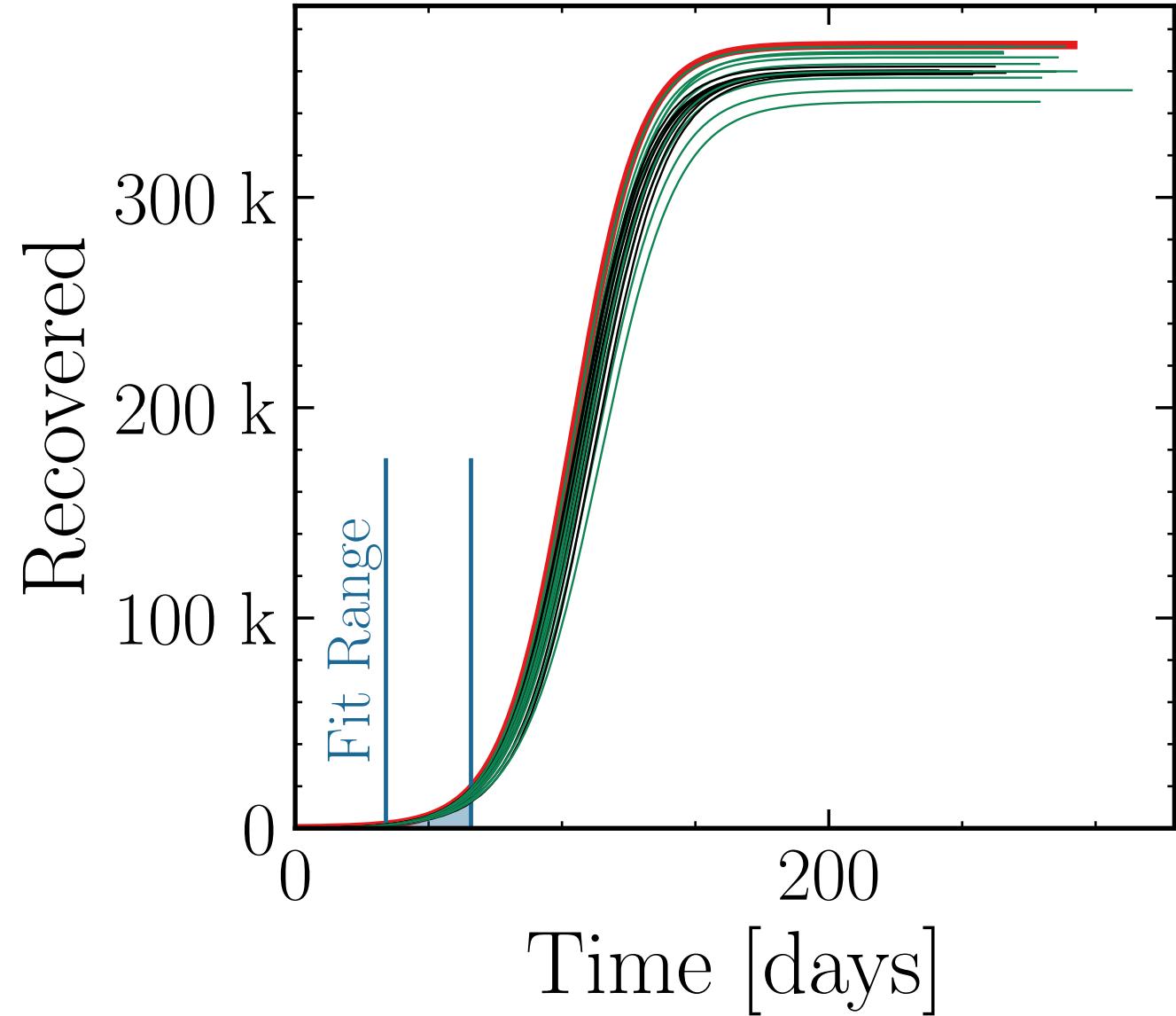
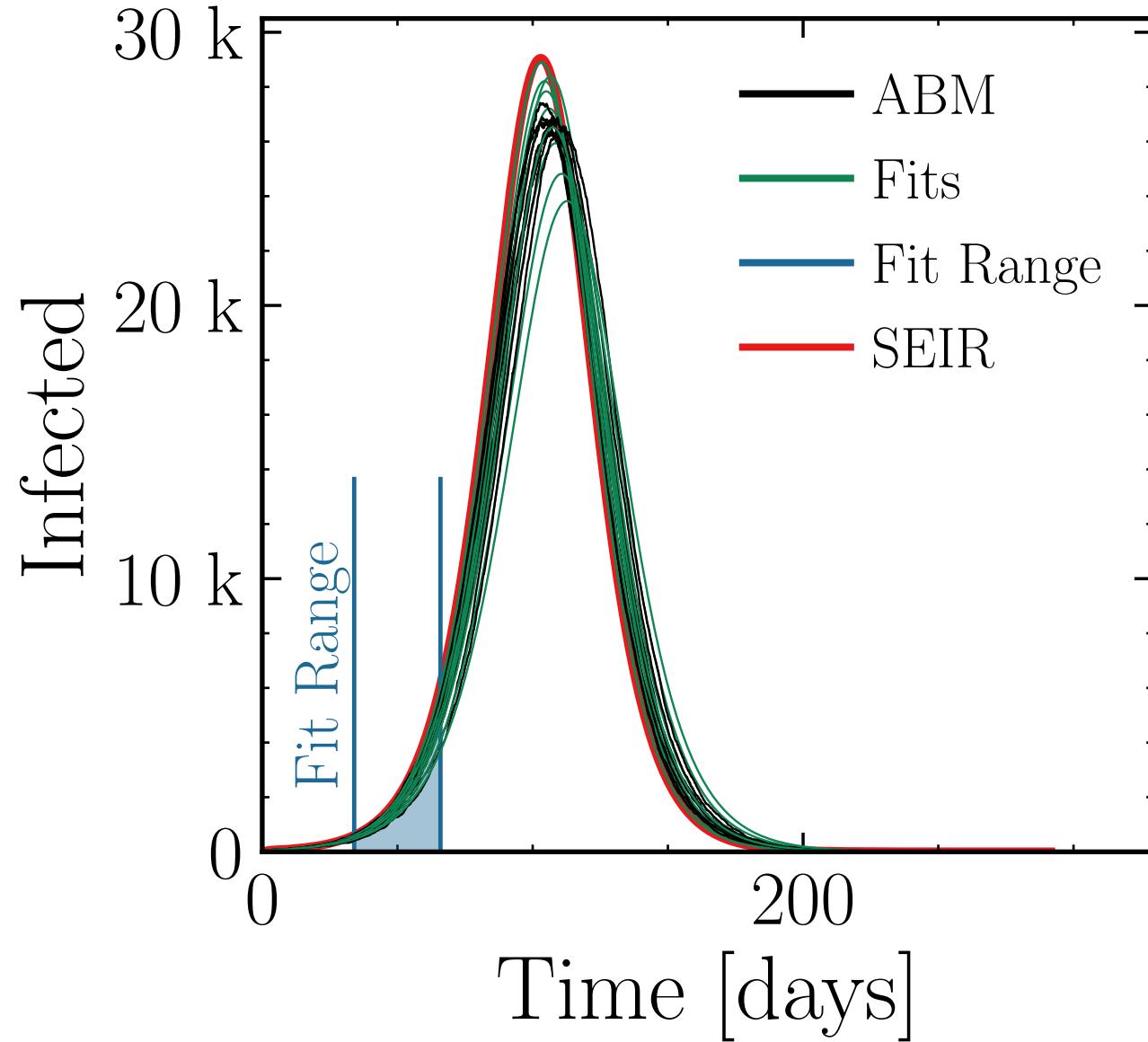
$N_{\text{events}} = 10$ , event<sub>size<sub>max</sub></sub> = 30, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{max}}^{\text{fit}} = (27.1 \pm 1.9\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1.01 \pm 0.018 \quad v. = 1.0, \text{hash} = 2944667791, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (362 \pm 0.74\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.007 \pm 0.0070$$



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

$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

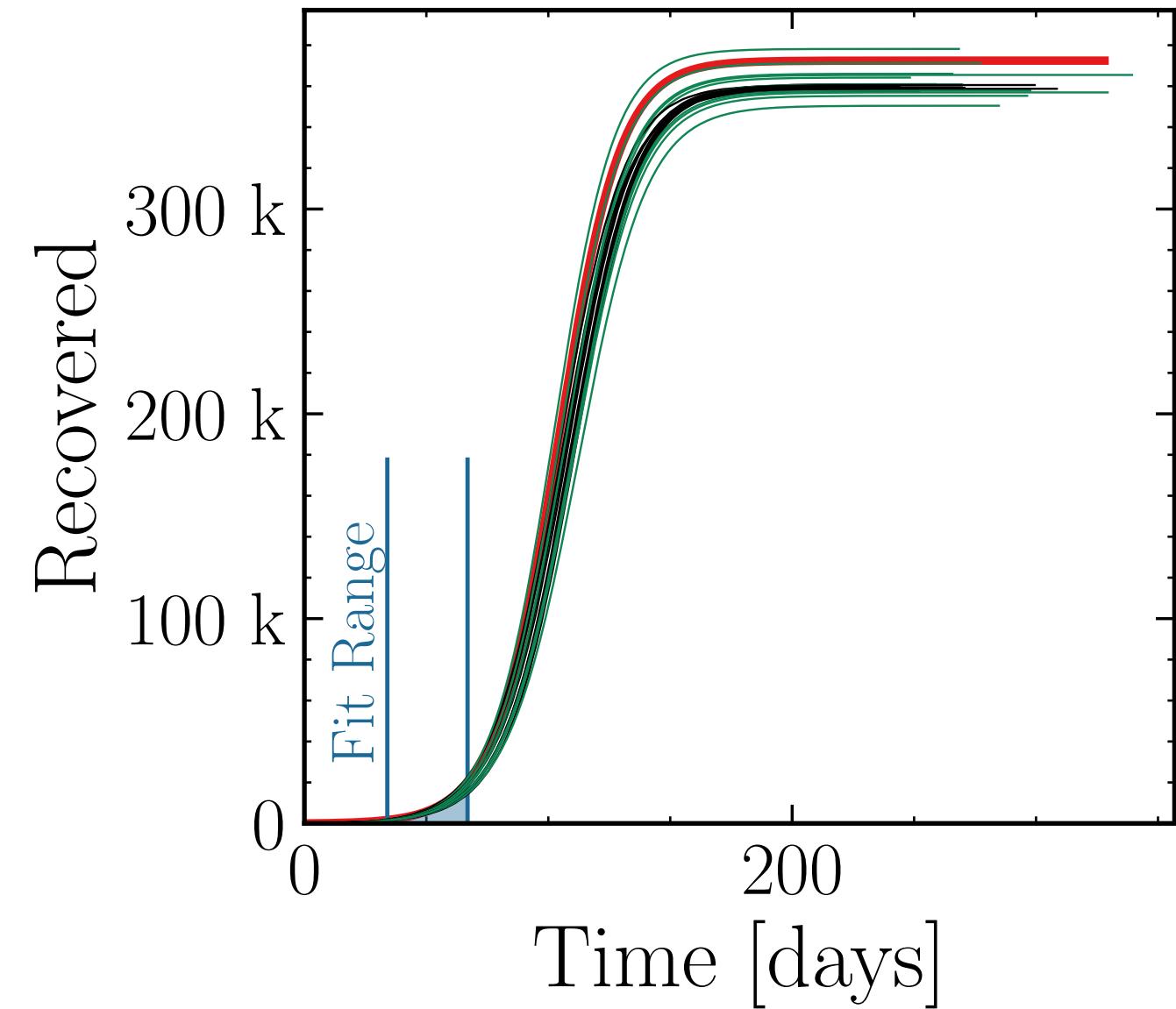
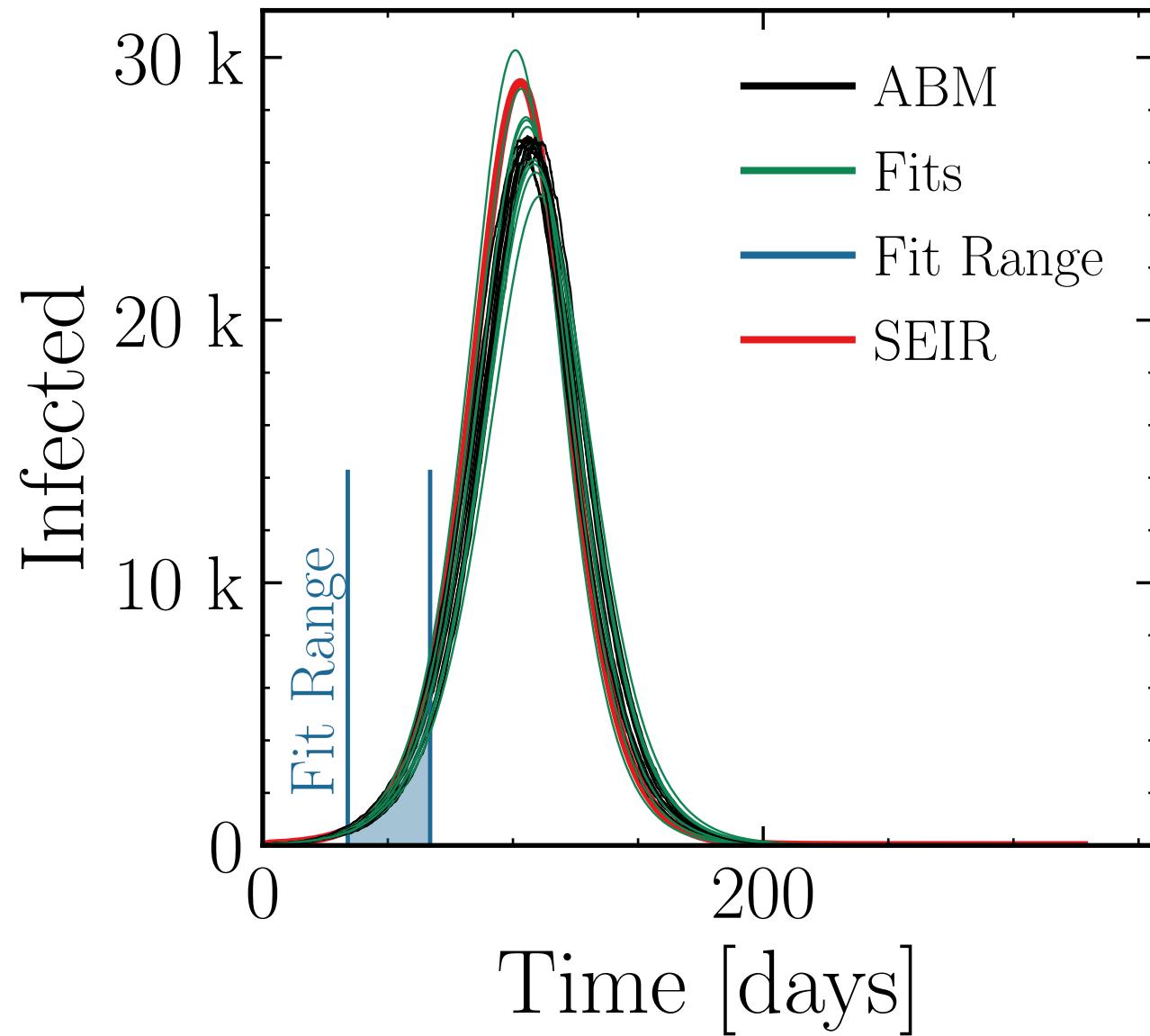
$N_{\text{events}} = 10$ , event<sub>size<sub>max</sub></sub> = 40, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{max}}^{\text{fit}} = (27.1 \pm 1.8\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1.01 \pm 0.018 \quad v. = 1.0, \text{ hash} = 8ee391d0f6\#\#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (363 \pm 0.68\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.008 \pm 0.0072$$



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

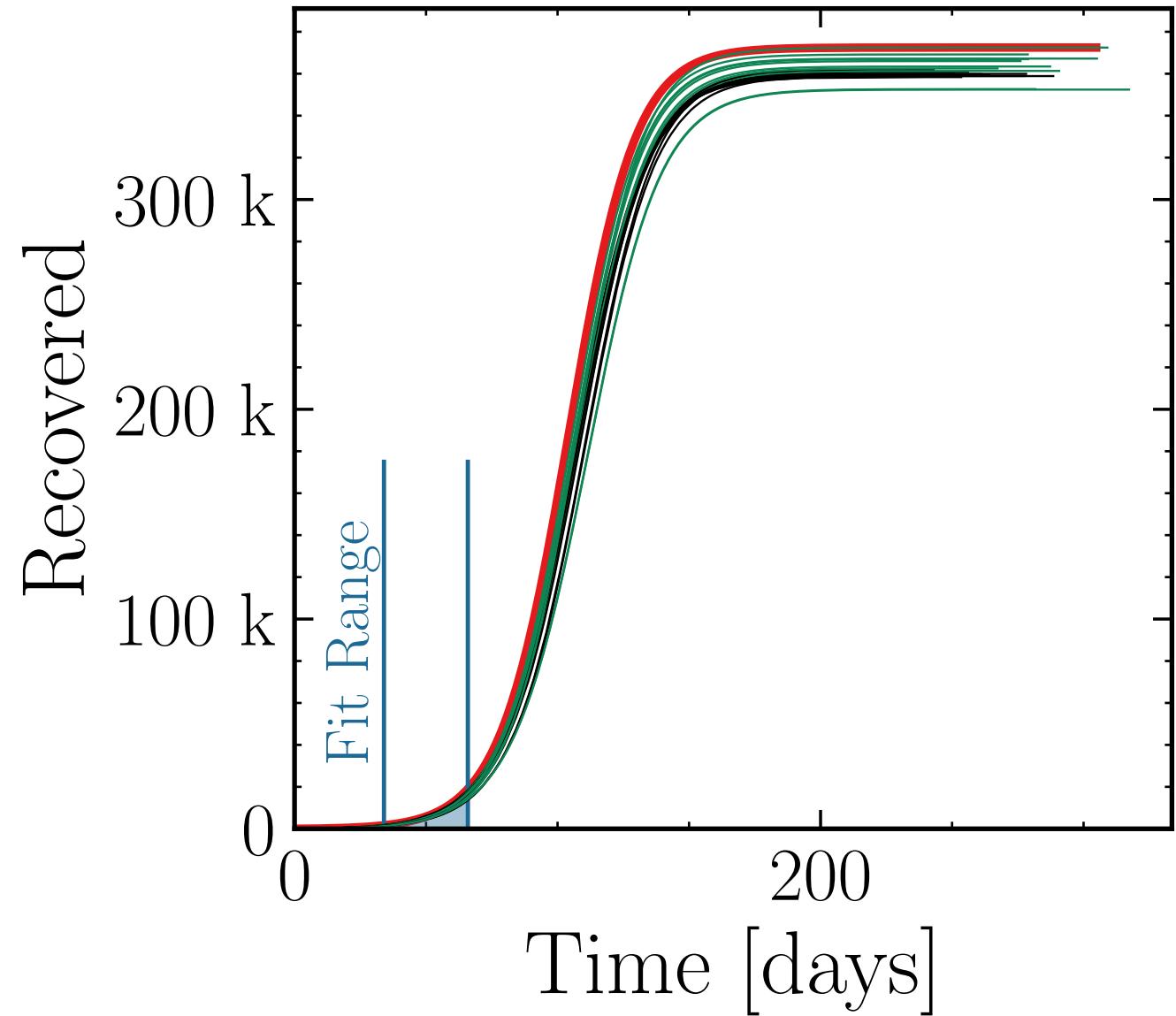
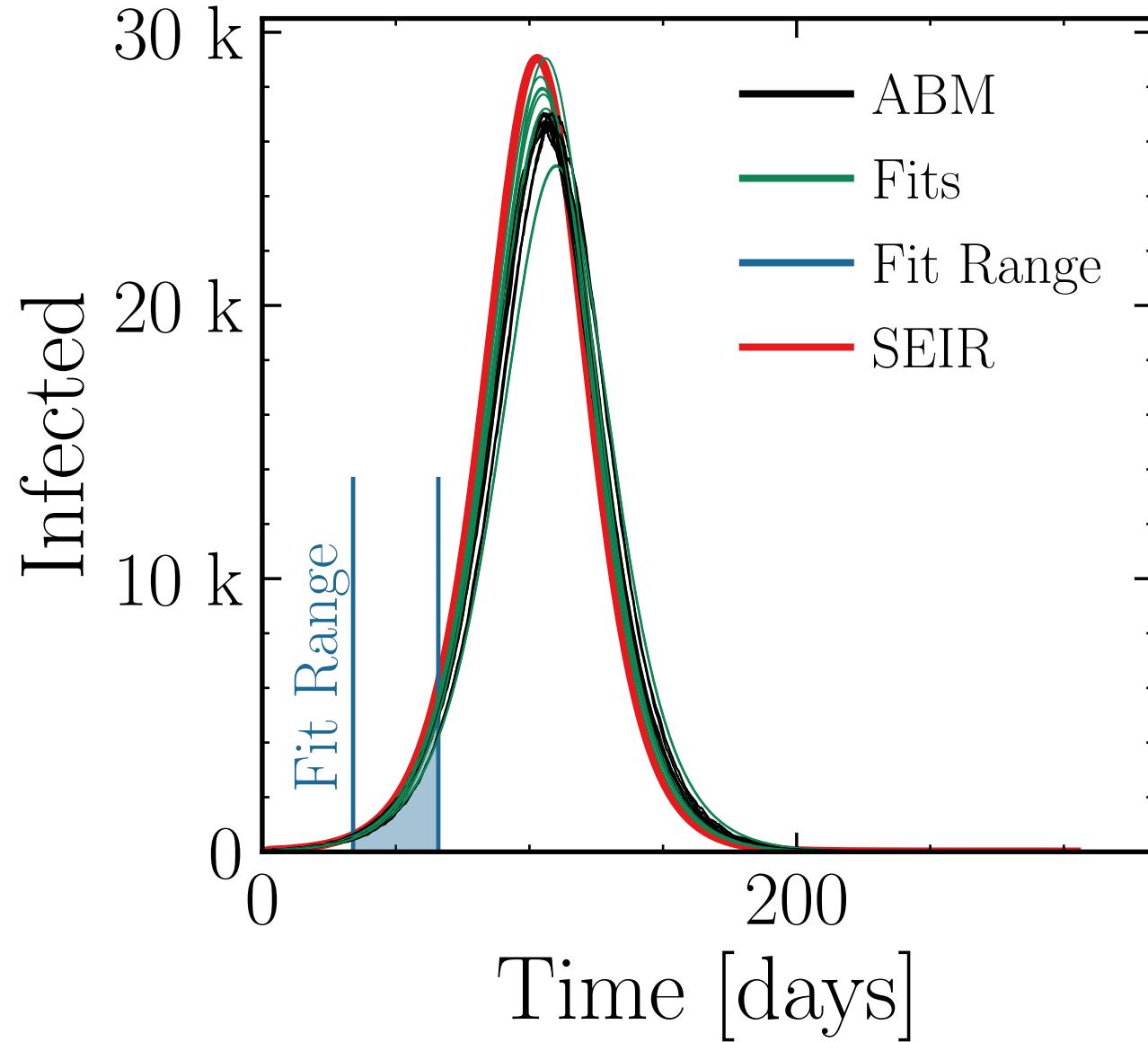
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 10$ , event<sub>size<sub>max</sub></sub> = 50, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{max}}^{\text{fit}} = (27.2 \pm 1.4\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1.02 \pm 0.015 \quad v. = 1.0, \text{ hash} = \text{eb9f62cf0a}\#10 \quad R_{\infty}^{\text{fit}} = (363 \pm 0.55\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.01 \pm 0.0058$$



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

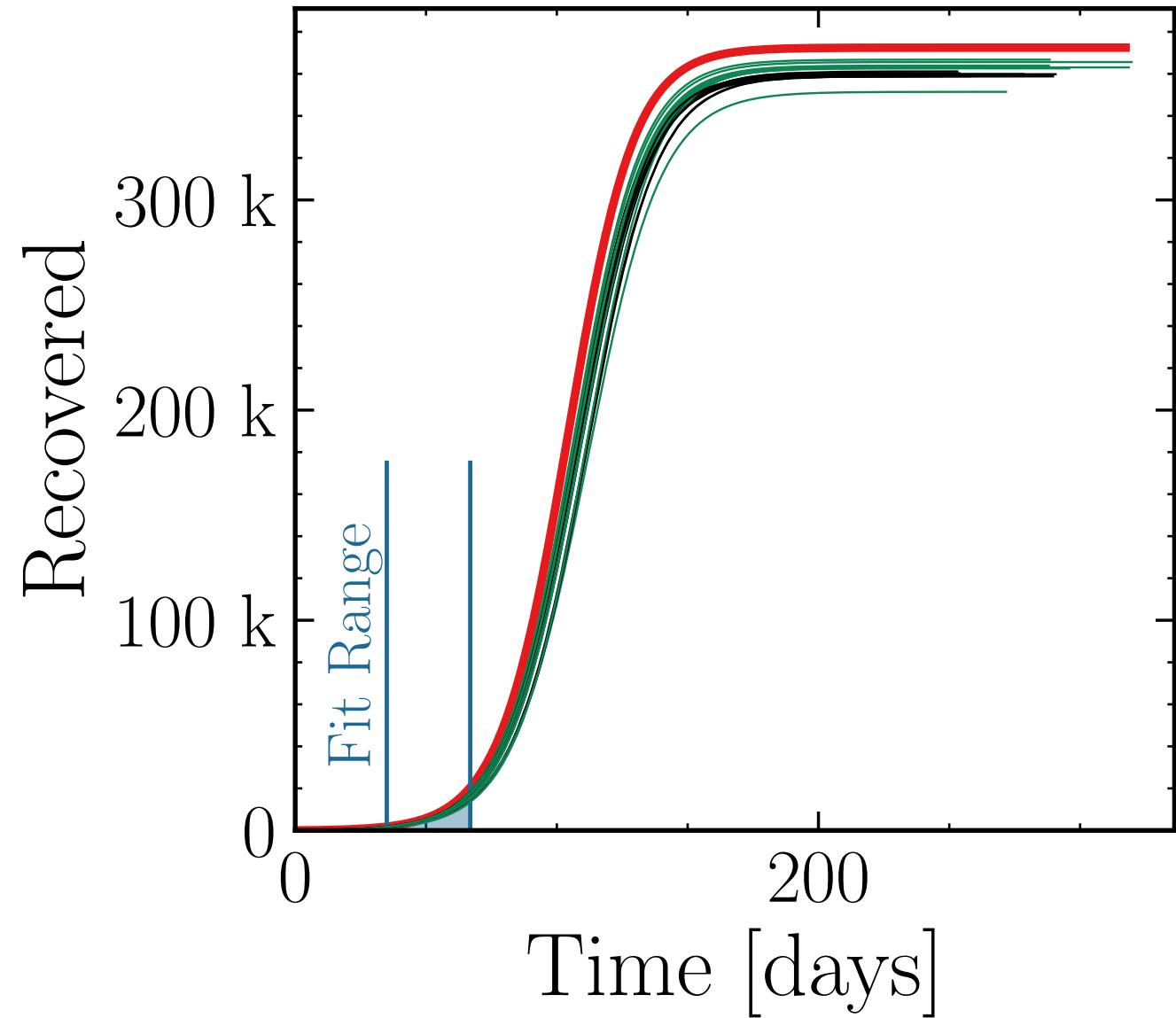
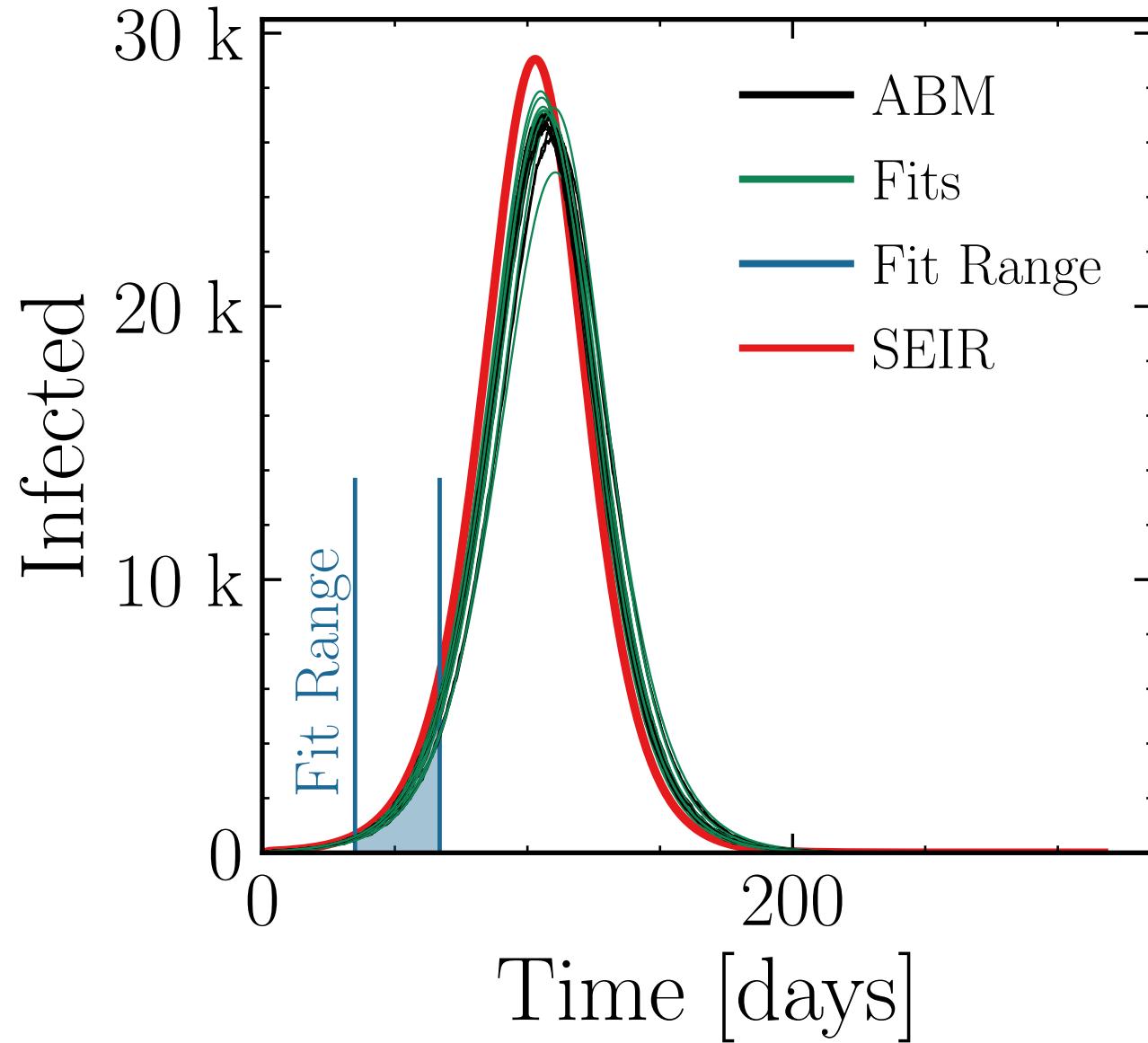
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 10$ , event<sub>size<sub>max</sub></sub> = 75, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{max}}^{\text{fit}} = (27 \pm 0.91\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1.009 \pm 0.0077 \quad v. = 1.0, \text{ hash} = 3201113359, \#10 \\ R_{\infty}^{\text{fit}} = (362 \pm 0.35\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.007 \pm 0.0035$$



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

$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

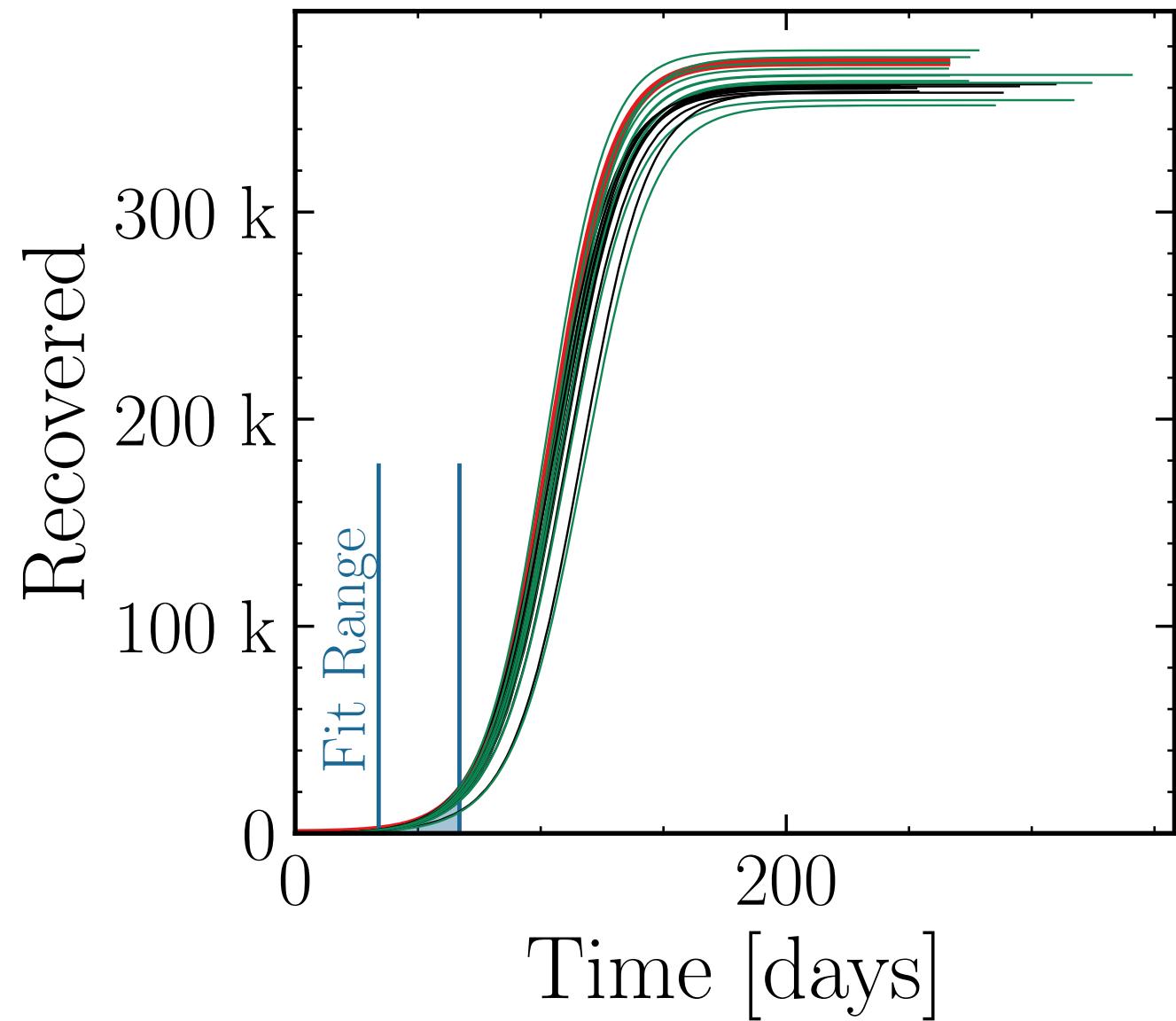
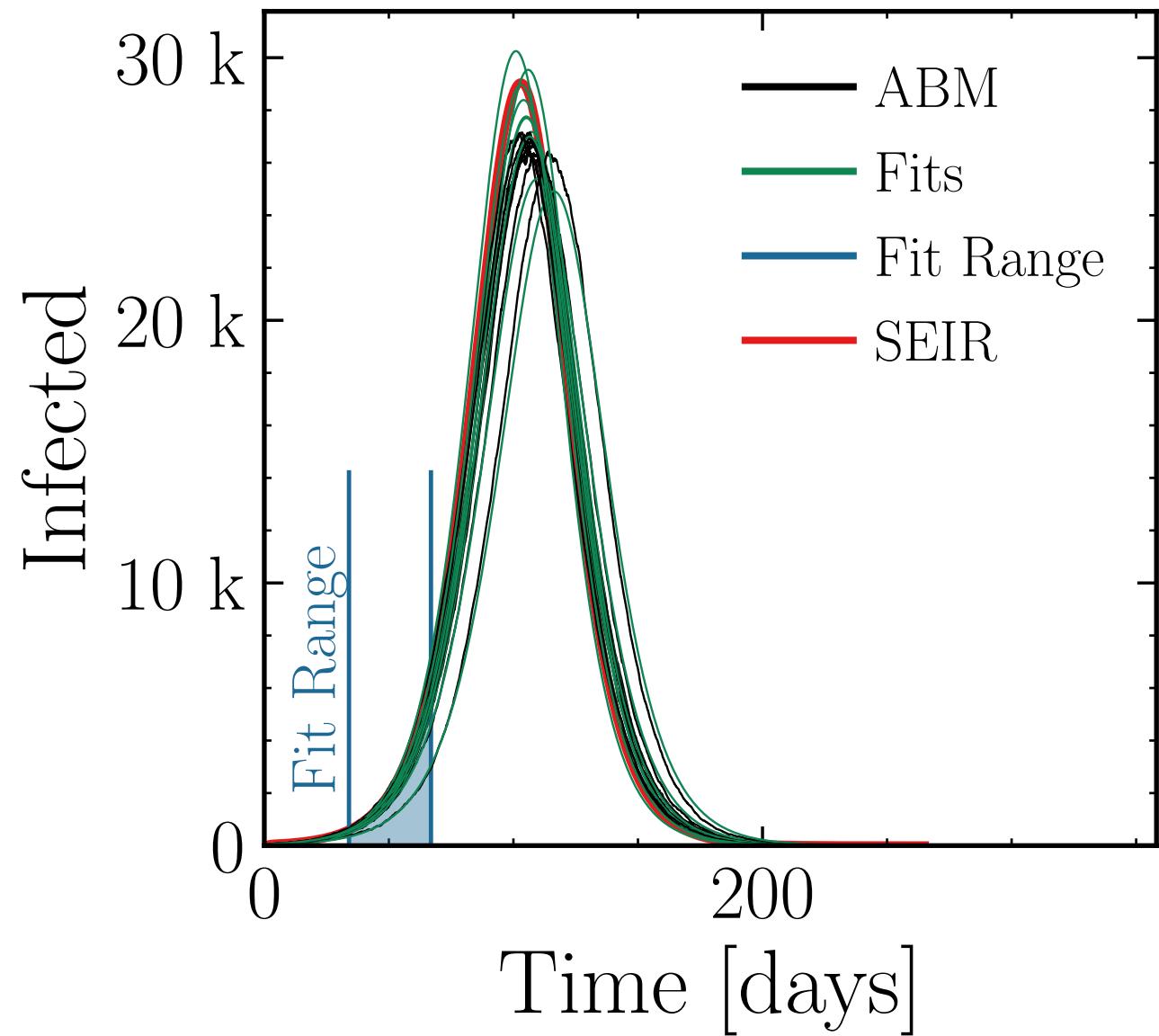
$N_{\text{events}} = 10$ , event<sub>size<sub>max</sub></sub> = 100, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$$I_{\text{max}}^{\text{fit}} = (27.7 \pm 1.8\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1.04 \pm 0.017 \quad v. = 1.0, \text{ hash} = \text{cf5fcfc77c6}\#10$$

$$R_{\infty}^{\text{fit}} = (366 \pm 0.7\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.017 \pm 0.0066$$



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

$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

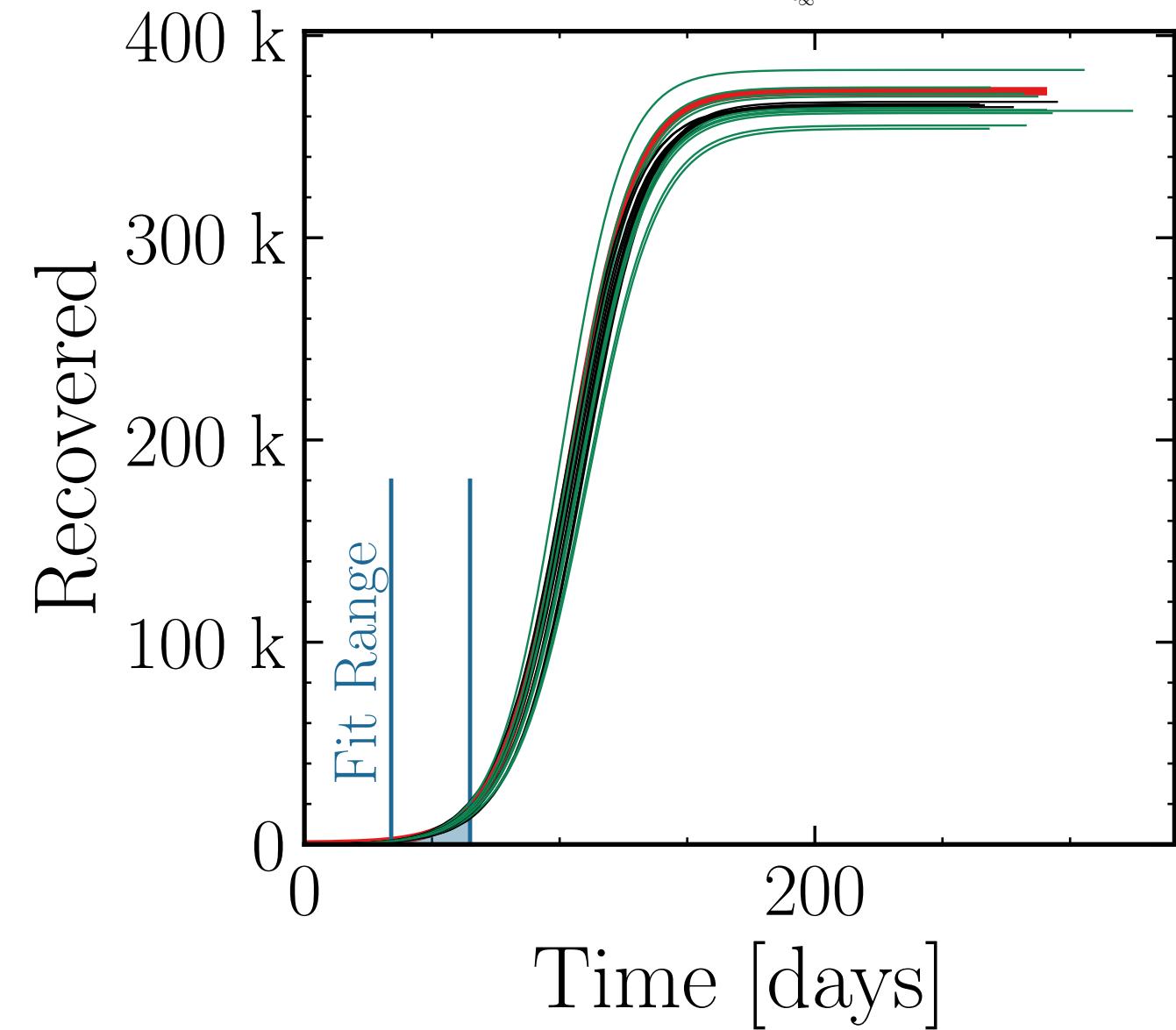
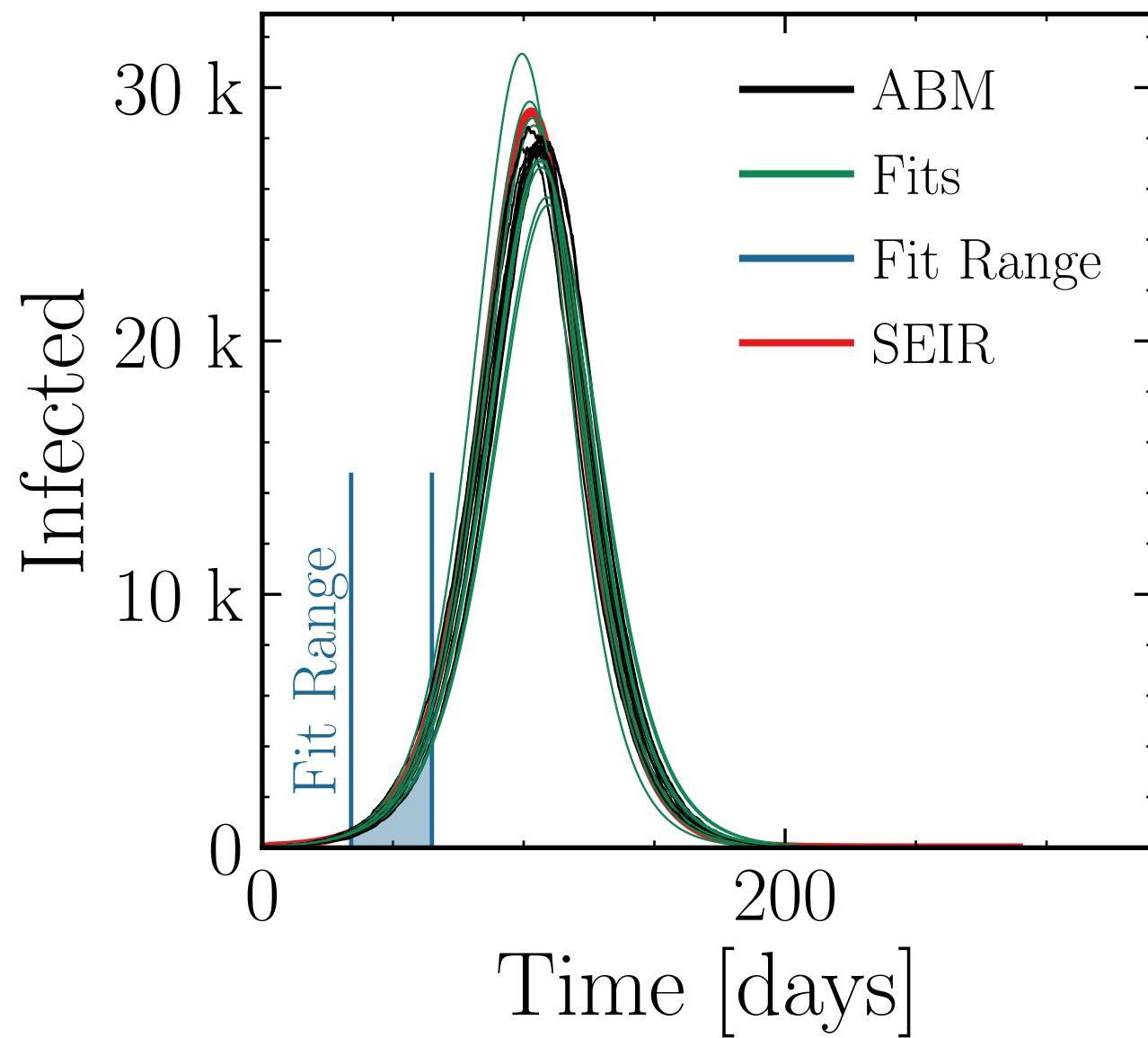
$N_{\text{events}} = 100$ , event<sub>size<sub>max</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{max}}^{\text{fit}} = (27.8 \pm 1.9\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 0.996 \pm 0.019 \quad v. = 1.0, \text{ hash} = 1d1b128ea0, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (366 \pm 0.72\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.002 \pm 0.0076$$



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

$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

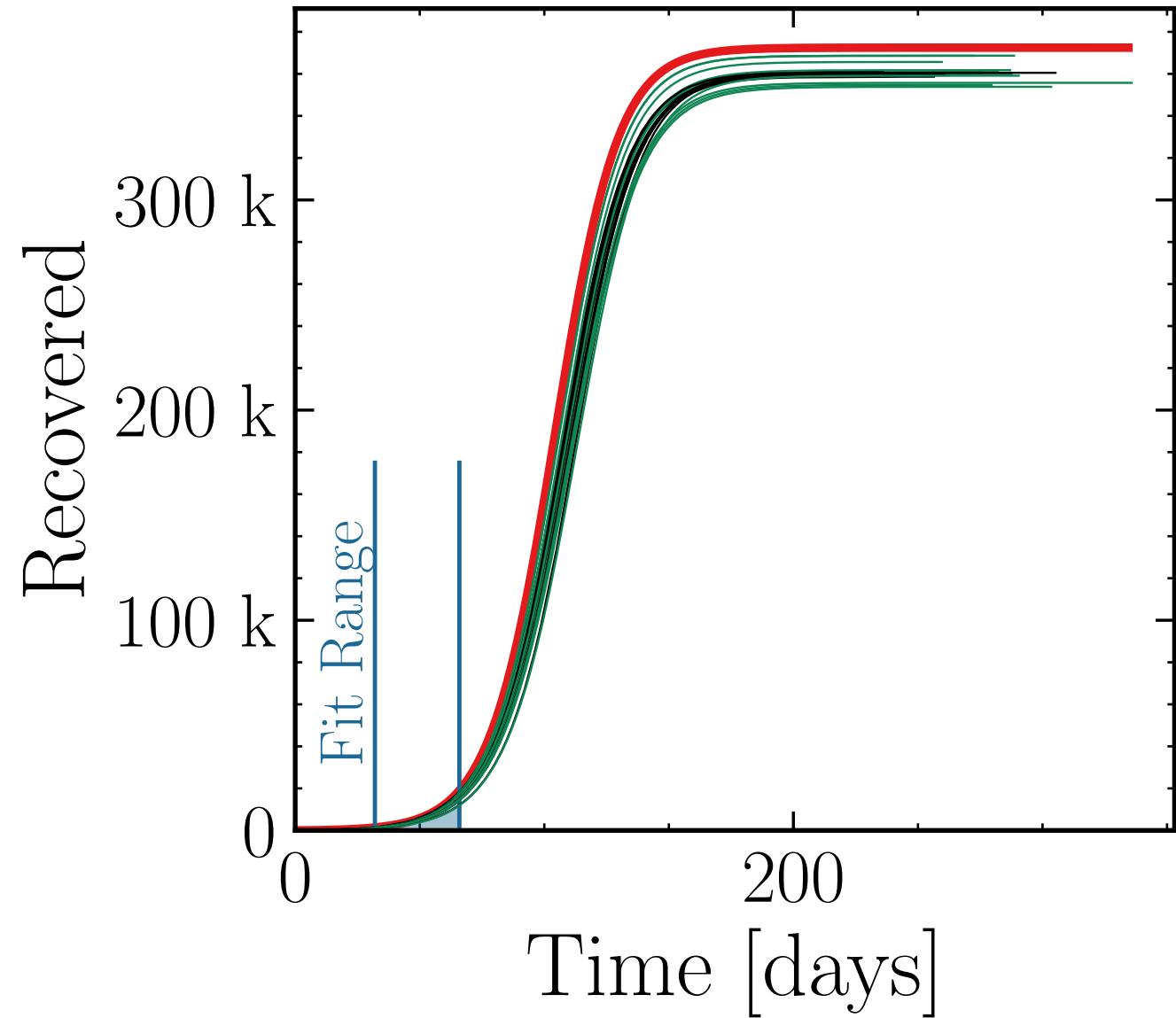
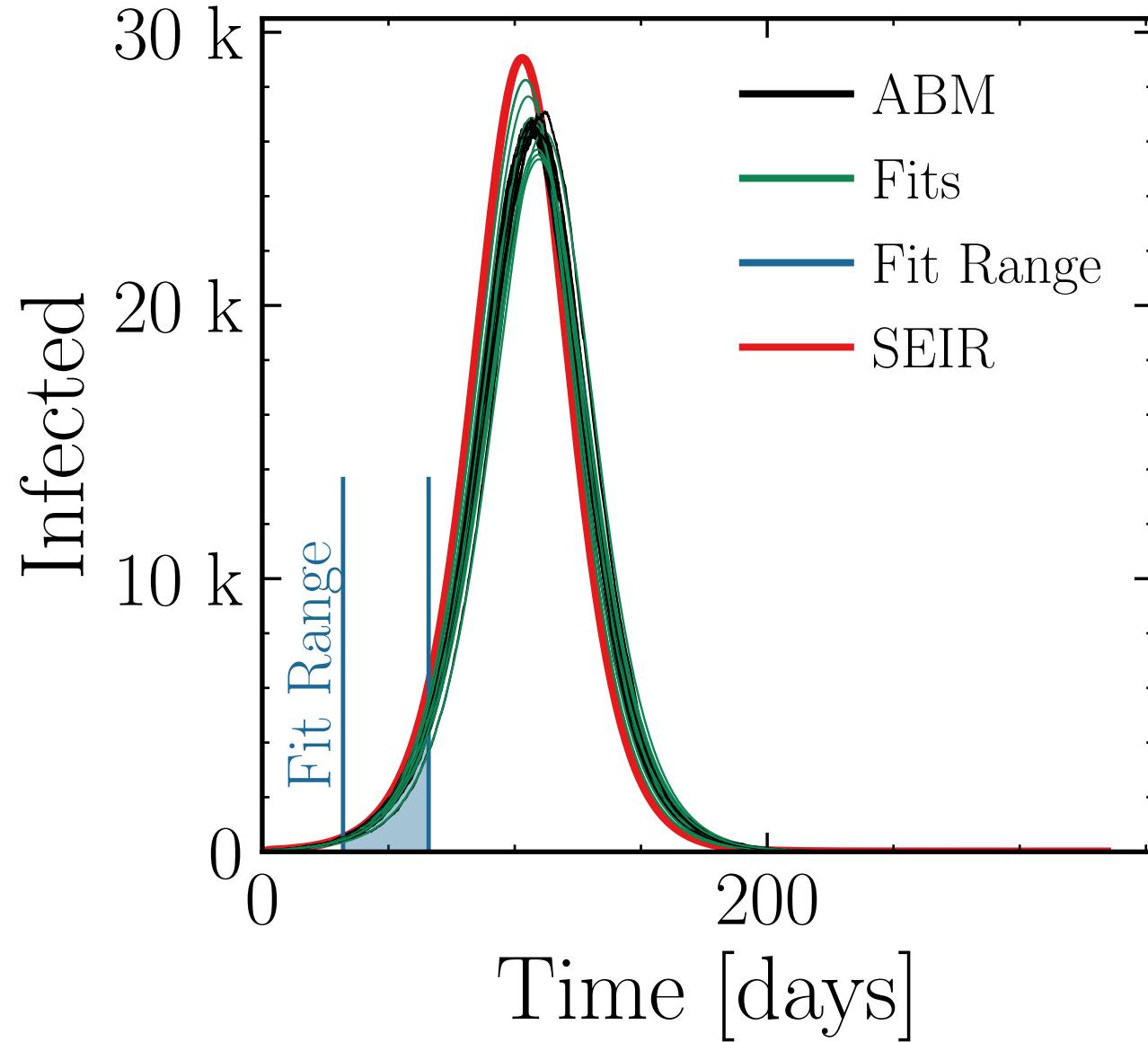
$N_{\text{events}} = 100$ , event<sub>size<sub>max</sub></sub> = 1, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{max}}^{\text{fit}} = (26.7 \pm 1.2\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1 \pm 0.012$$

$$\text{v.} = 1.0, \text{hash} = 2f6a7a418b, \#10 \\ R_{\infty}^{\text{fit}} = (361 \pm 0.45\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.002 \pm 0.0046$$



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

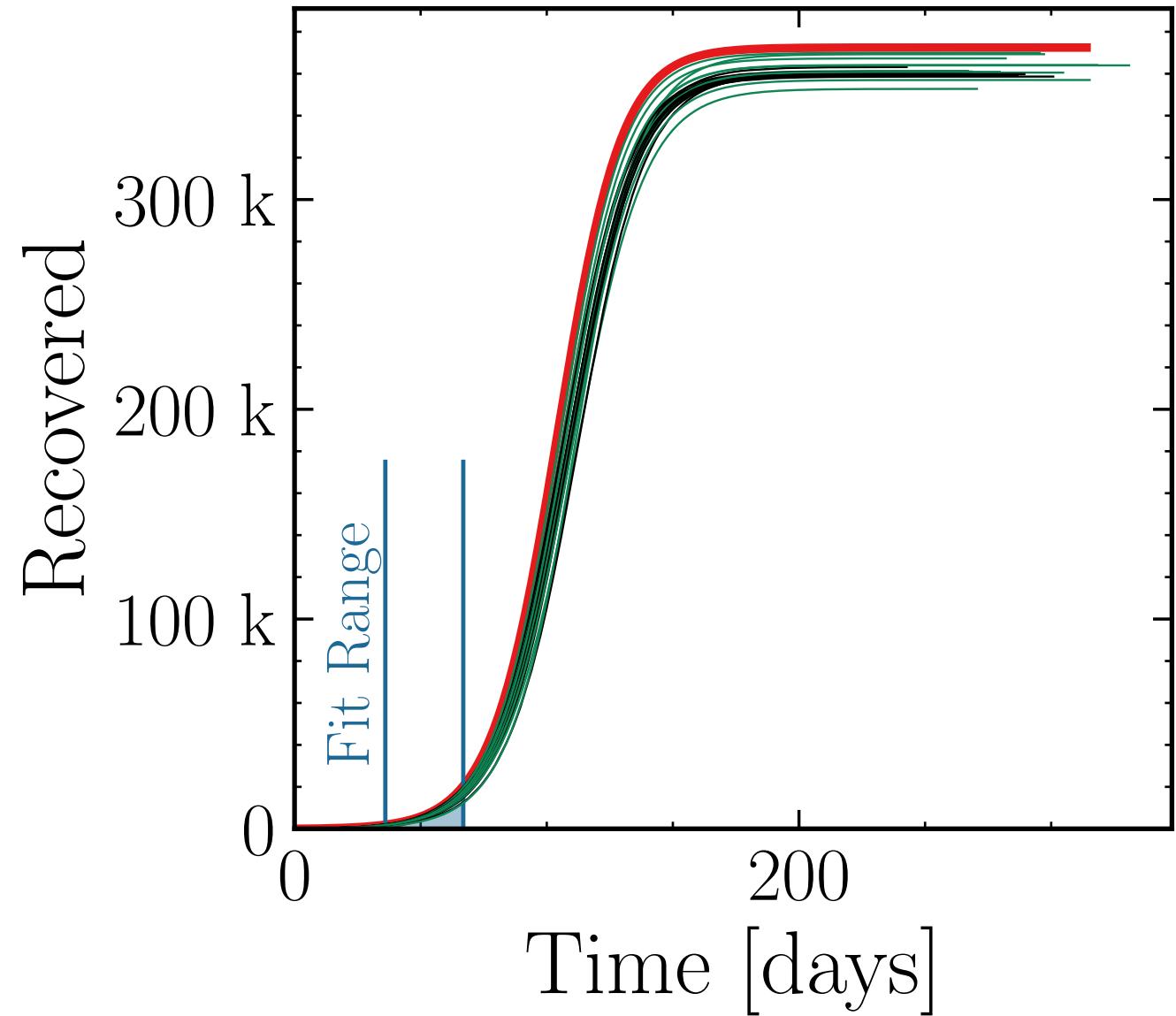
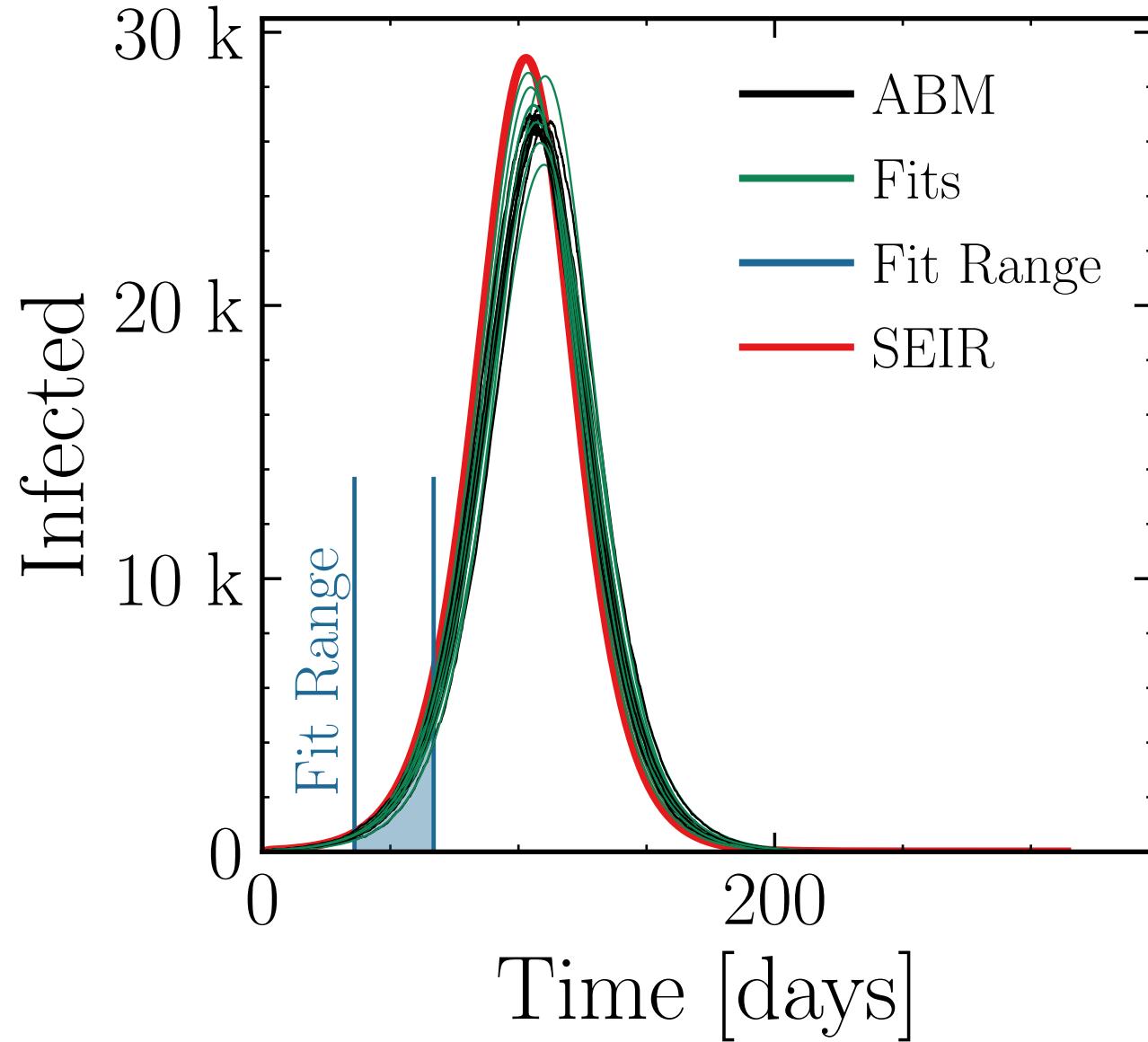
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 100$ , event<sub>size<sub>max</sub></sub> = 2, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{max}}^{\text{fit}} = (27.1 \pm 1.2\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1.01 \pm 0.012 \quad v. = 1.0, \text{hash} = 0f3ac2fc0a \#10 \quad R_{\infty}^{\text{fit}} = (363 \pm 0.45\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.007 \pm 0.0044$$



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

$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

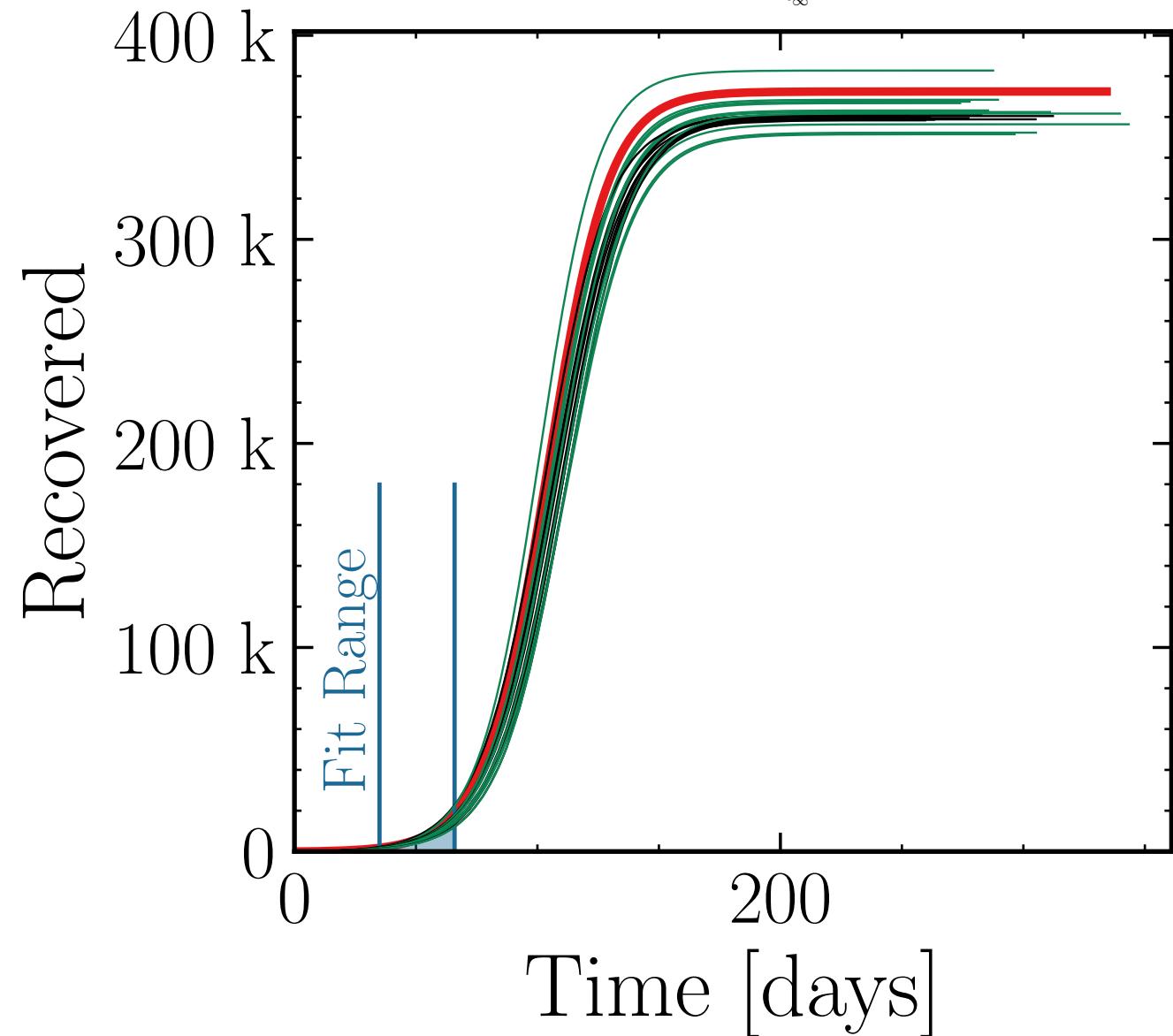
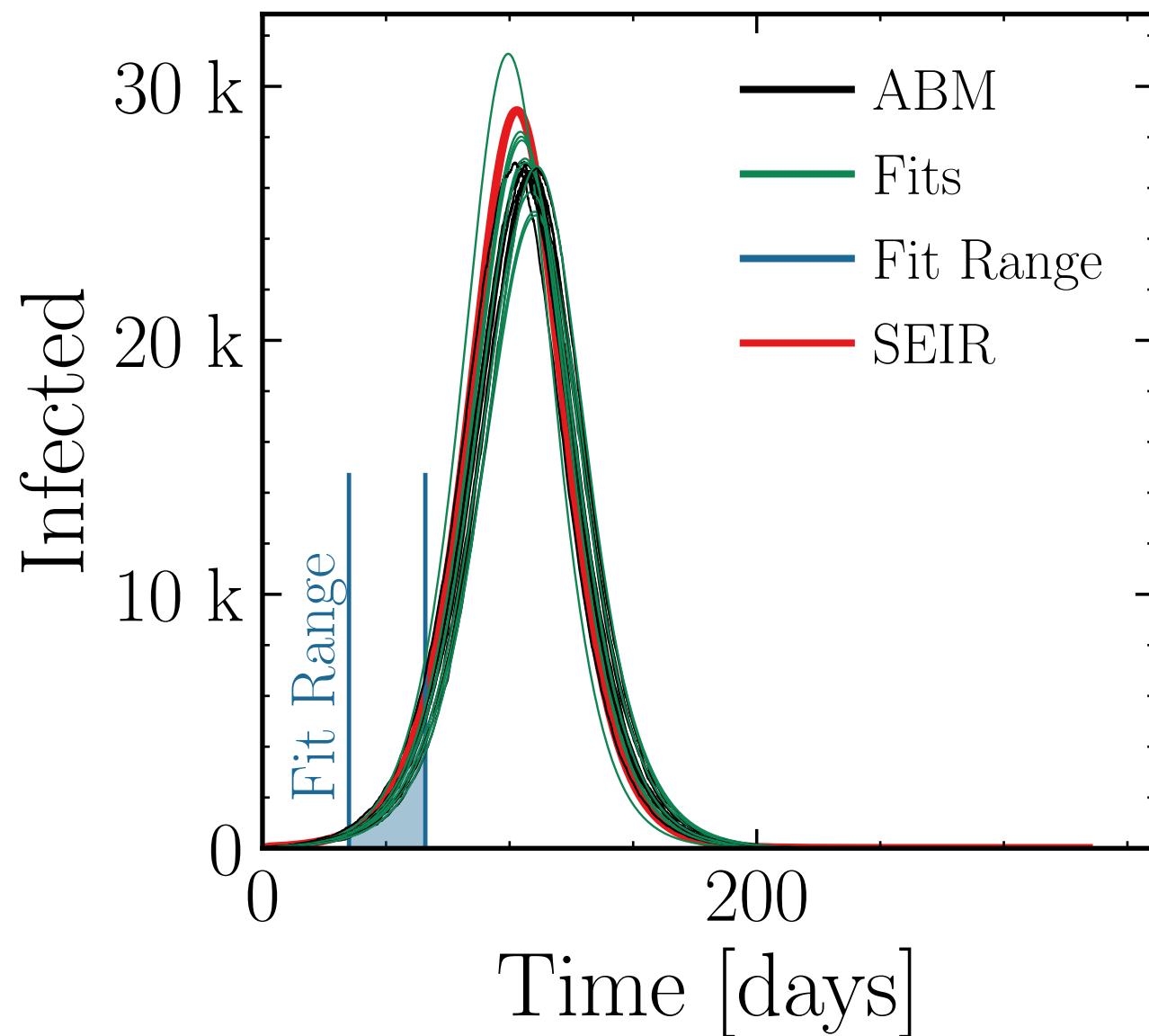
$N_{\text{events}} = 100$ , event<sub>size<sub>max</sub></sub> = 3, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{max}}^{\text{fit}} = (27.2 \pm 2.0\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1.02 \pm 0.020 \quad v. = 1.0, \text{ hash} = 42b1cf9e53, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (363 \pm 0.75\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.01 \pm 0.0075$$



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

$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

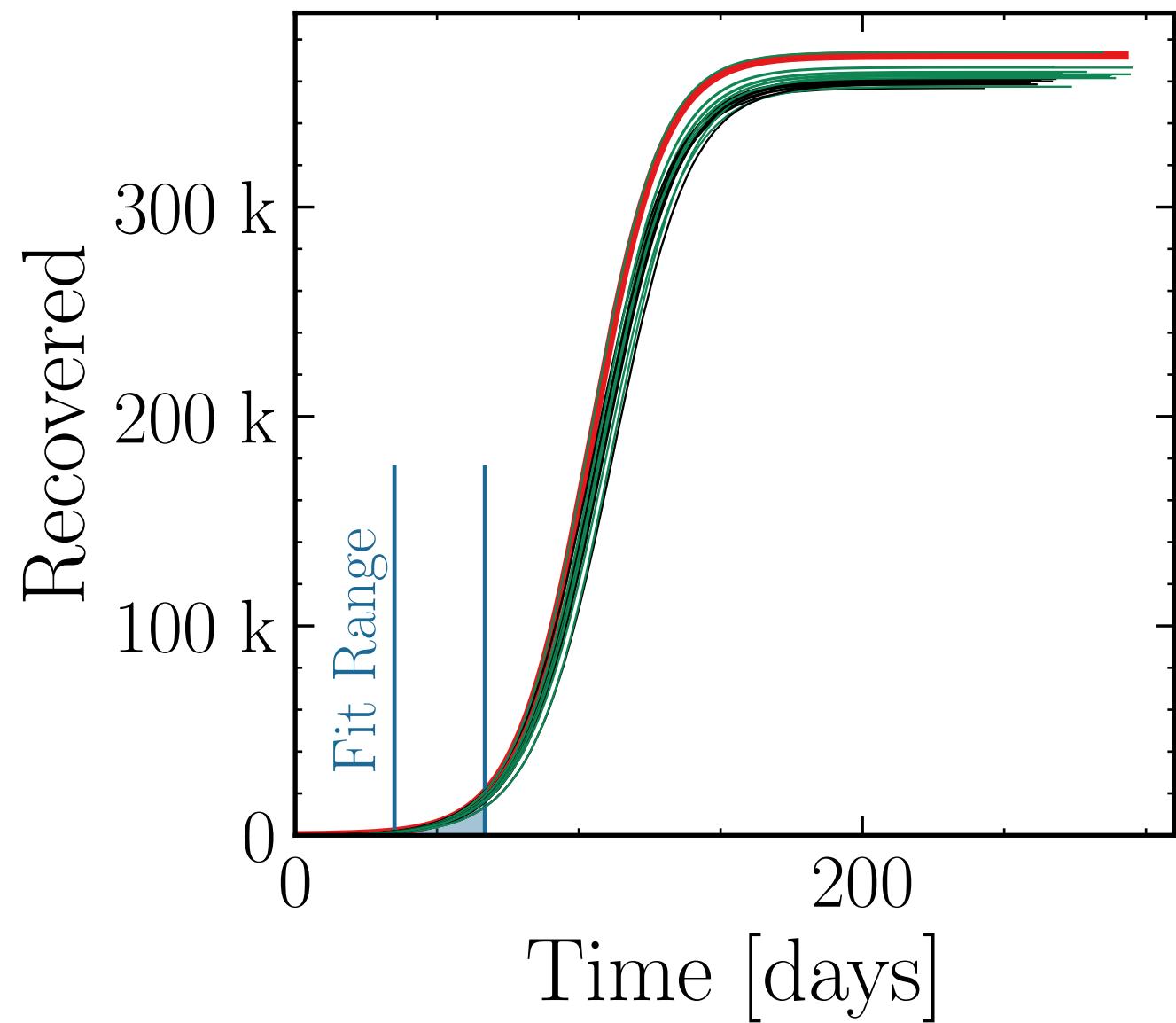
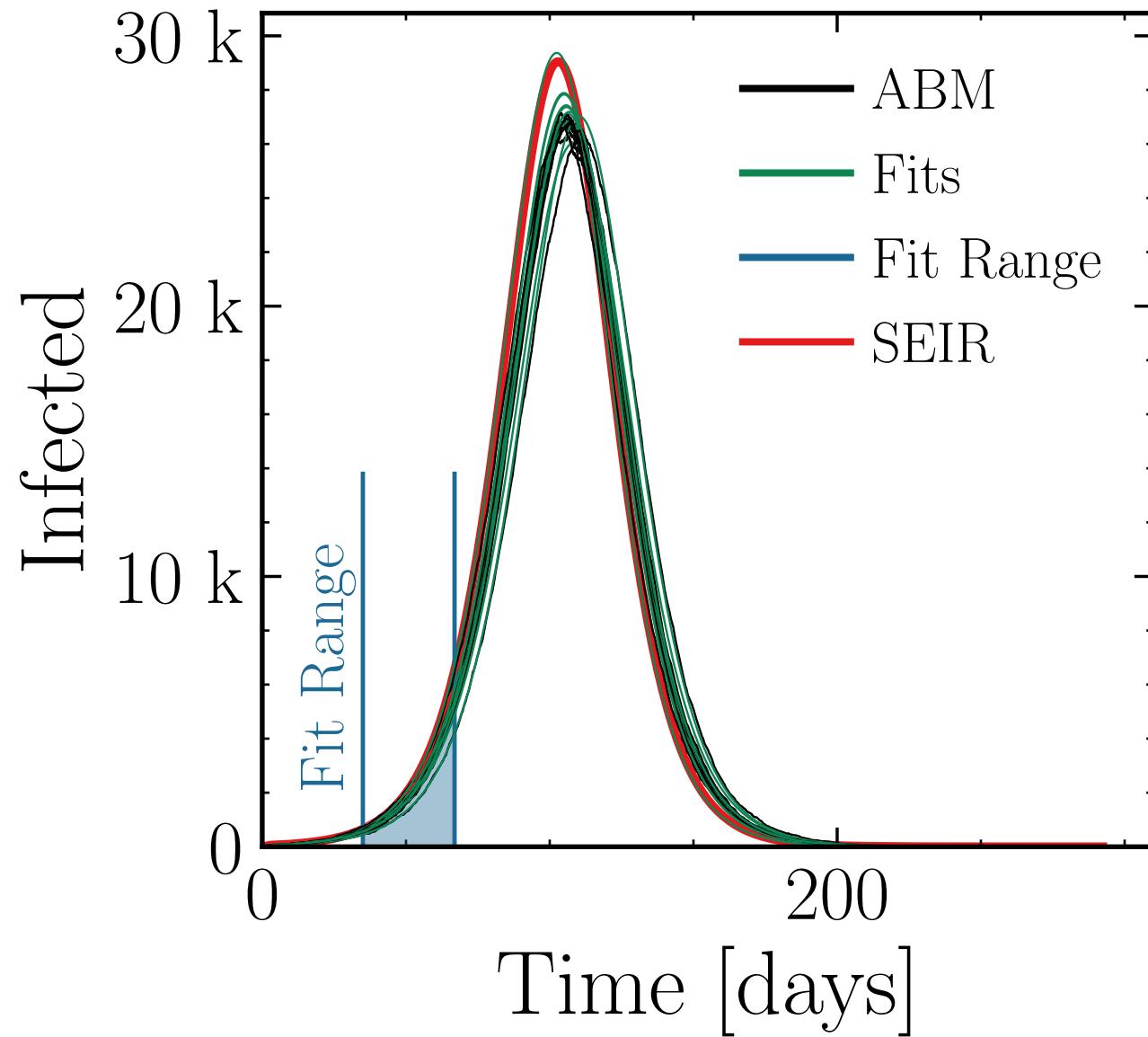
$N_{\text{events}} = 100$ , event<sub>size<sub>max</sub></sub> = 4, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{max}}^{\text{fit}} = (27.4 \pm 0.95\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1.02 \pm 0.011 \quad v. = 1.0, \text{ hash} = \text{cb366bfd2f}\#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (364 \pm 0.36\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.014 \pm 0.0040$$



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

$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

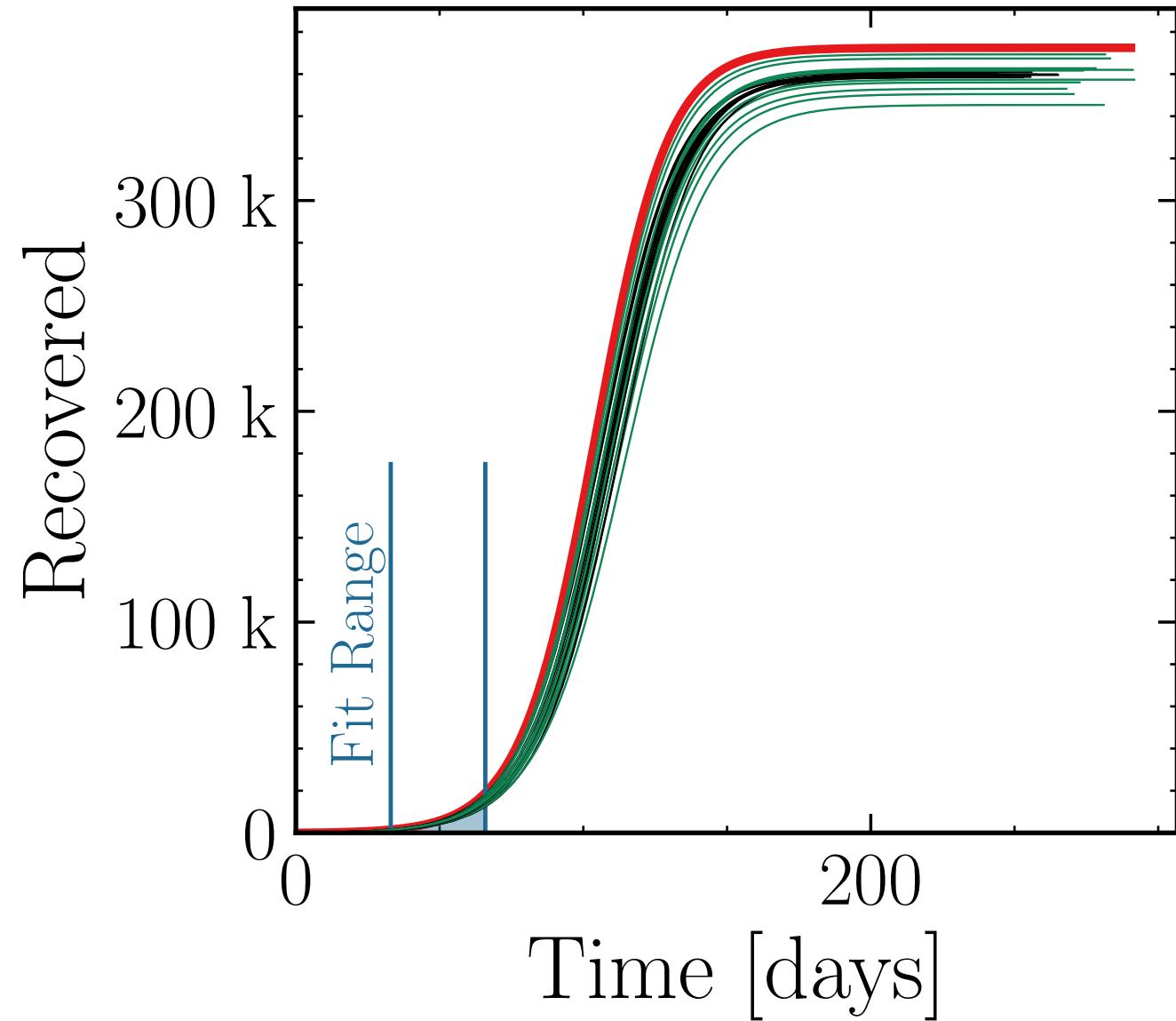
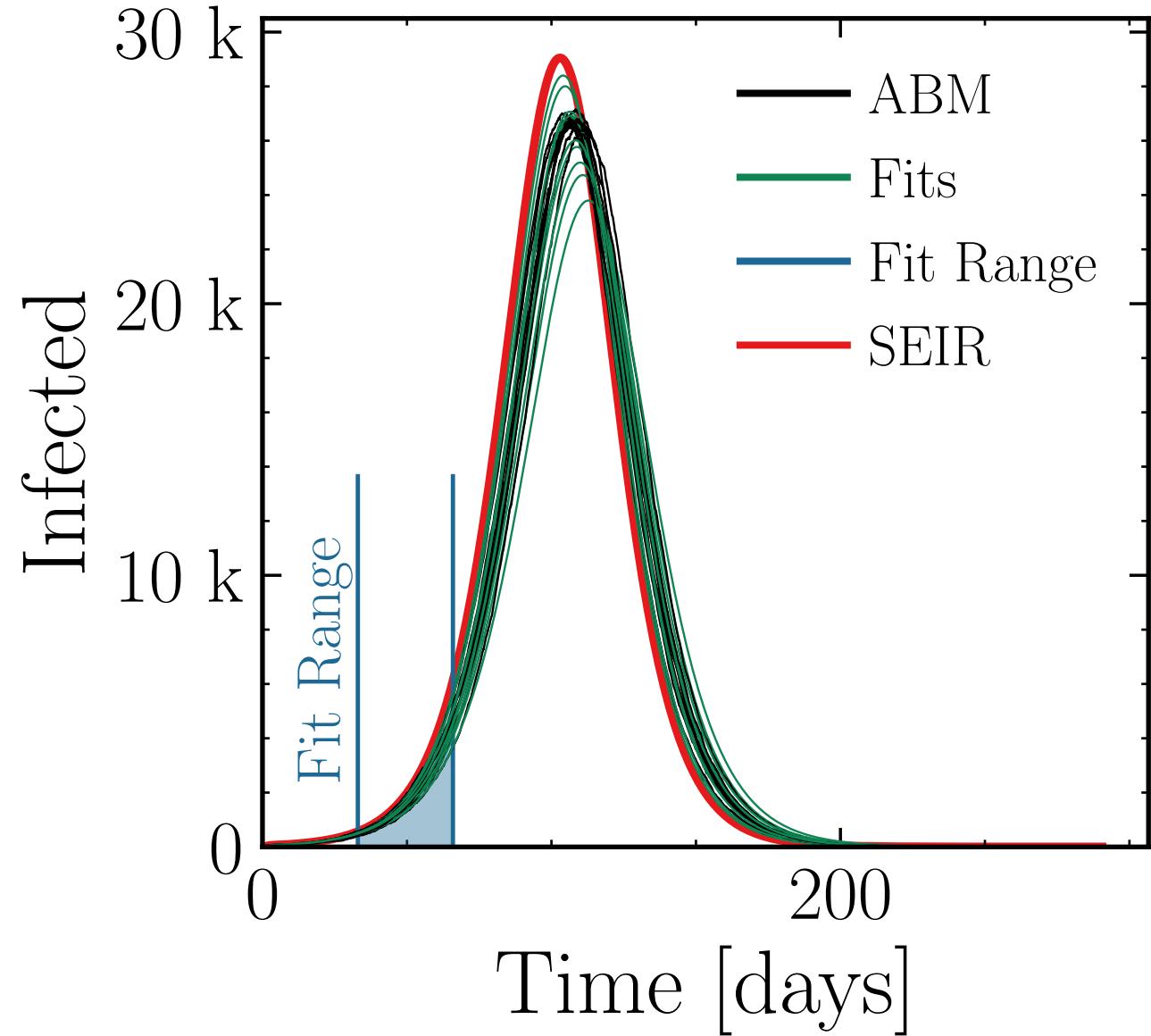
$N_{\text{events}} = 100$ , event<sub>size<sub>max</sub></sub> = 5, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{max}}^{\text{fit}} = (26.3 \pm 1.7\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 0.98 \pm 0.02$$

$$\text{v.} = 1.0, \text{hash} = 44affd4533, \#10, R_{\infty}^{\text{fit}} = (359 \pm 0.63\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 0.997 \pm 0.006$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , 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, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

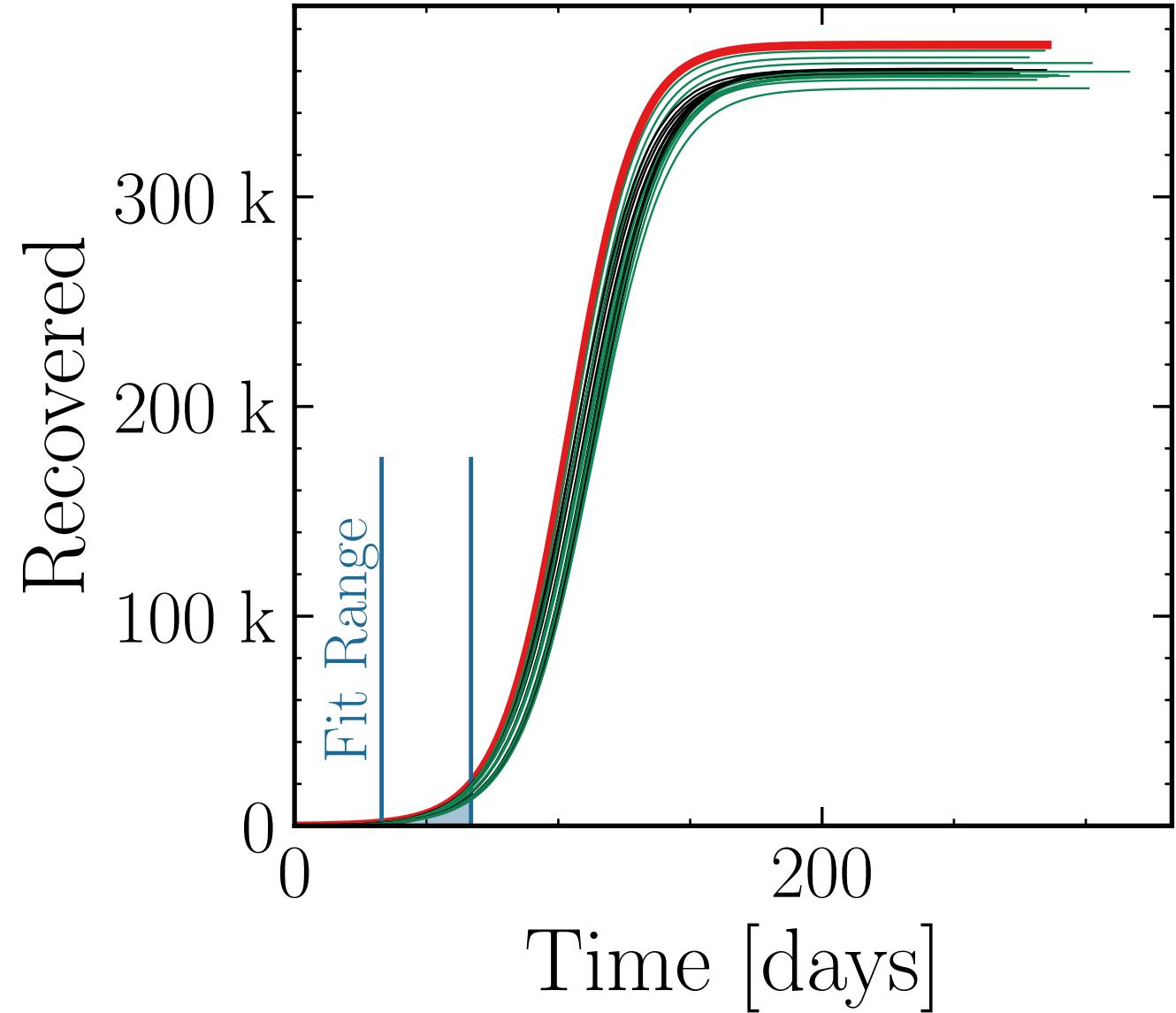
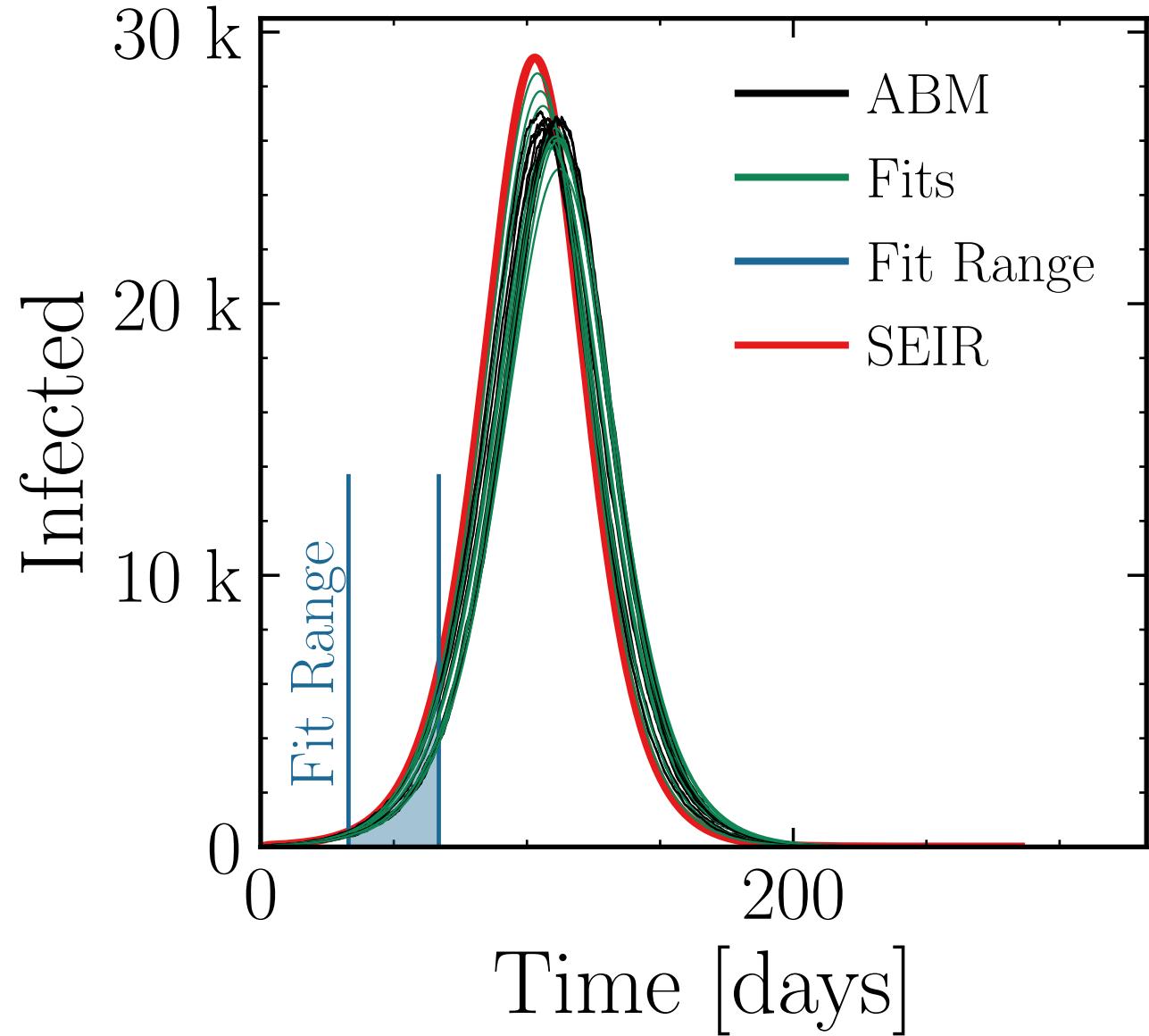
$$I_{\text{max}}^{\text{fit}} = (26.5 \pm 1.2\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 0.99 \pm 0.01$$

$$\text{v.} = 1.0, \text{hash} = \text{acd94b8f47}, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (360 \pm 0.45\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 0.9995 \pm 0.0047$$



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

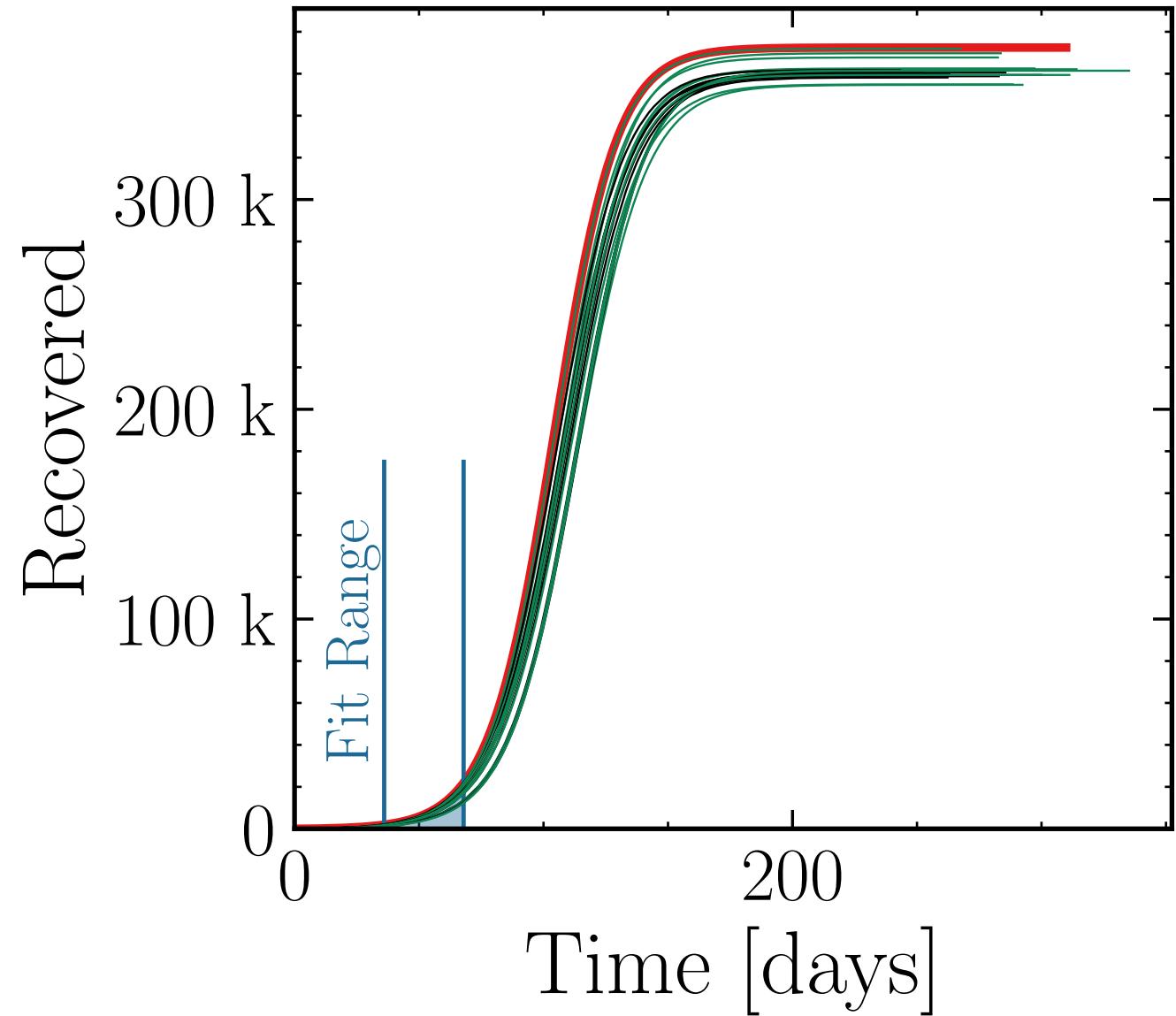
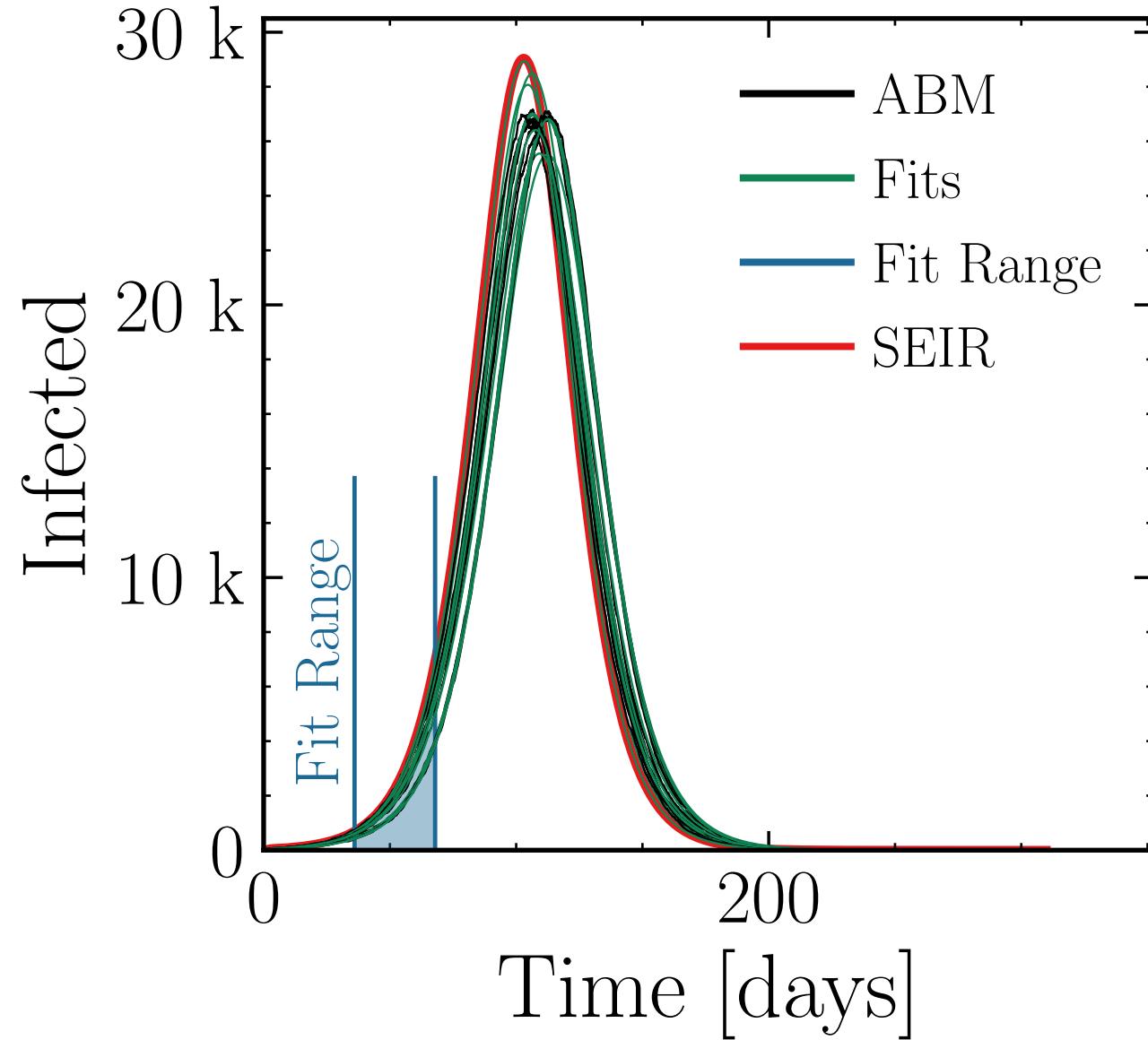
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 100$ , event<sub>size<sub>max</sub></sub> = 15, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$$I_{\text{max}}^{\text{fit}} = (27.1 \pm 1.3\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1.01 \pm 0.012 \quad v. = 1.0, \text{ hash} = \text{cb8b99f27f}\#10, R_{\infty}^{\text{fit}} = (363 \pm 0.48\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.008 \pm 0.0043$$



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

$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

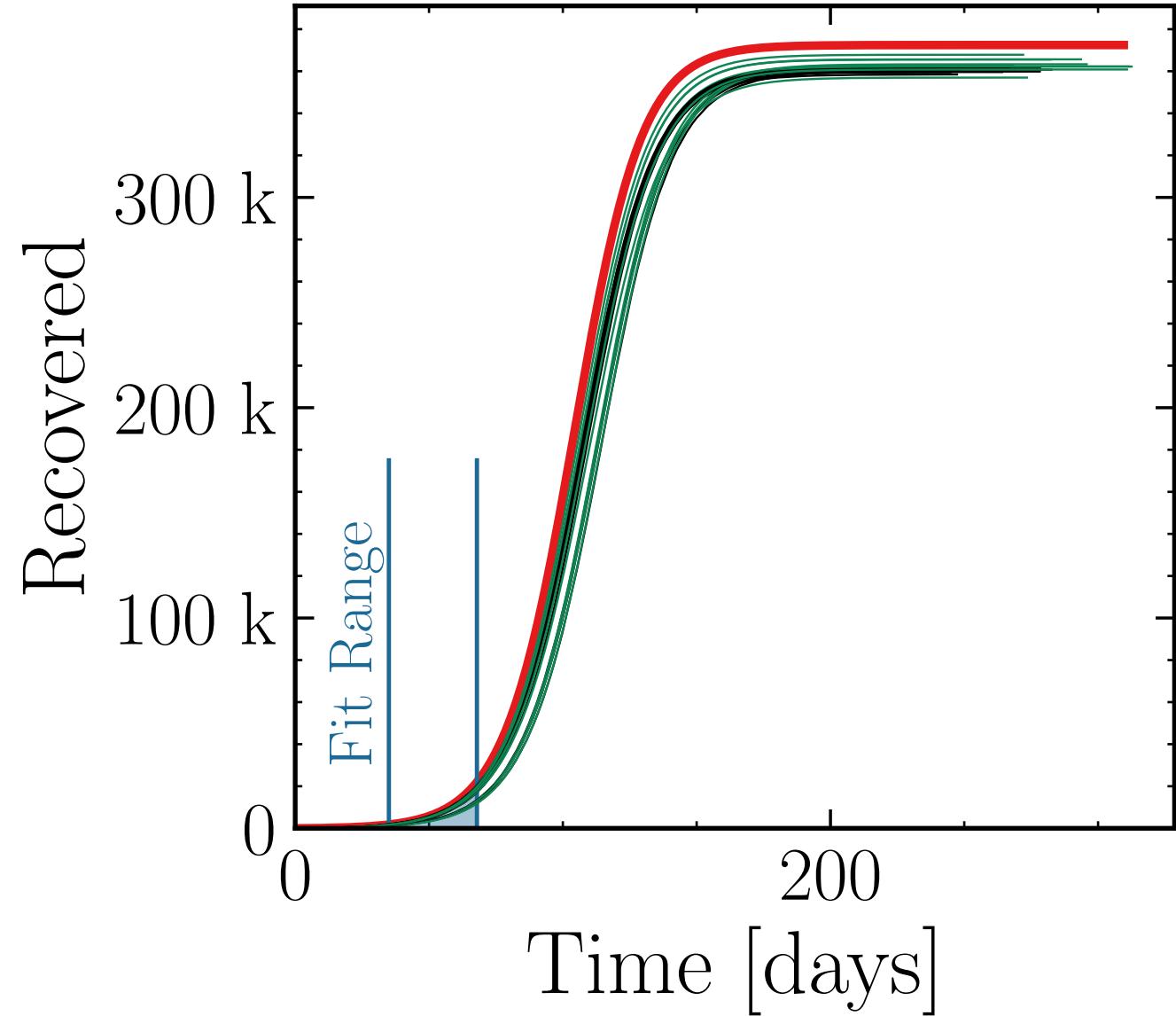
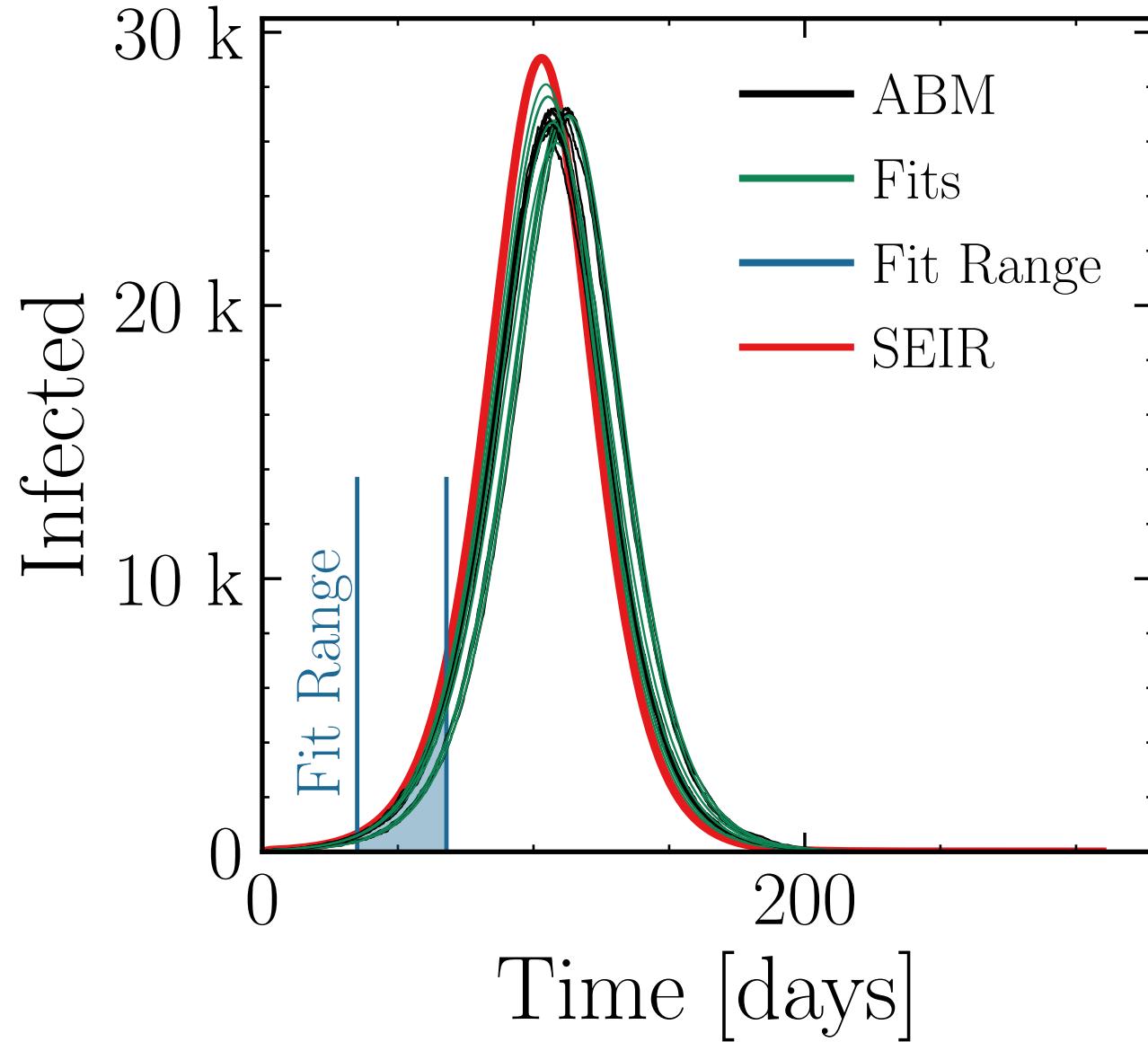
$N_{\text{events}} = 100$ , event<sub>size<sub>max</sub></sub> = 20, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$$I_{\text{max}}^{\text{fit}} = (27.1 \pm 0.66\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1.007 \pm 0.0092 \text{ v.} = 1.0, \text{ hash} = 0cd1b6196a, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (362.8 \pm 0.26\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.007 \pm 0.0028$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , 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> = 30, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$$I_{\text{max}}^{\text{fit}} = (26.5 \pm 1.4\%) \cdot 10^3$$

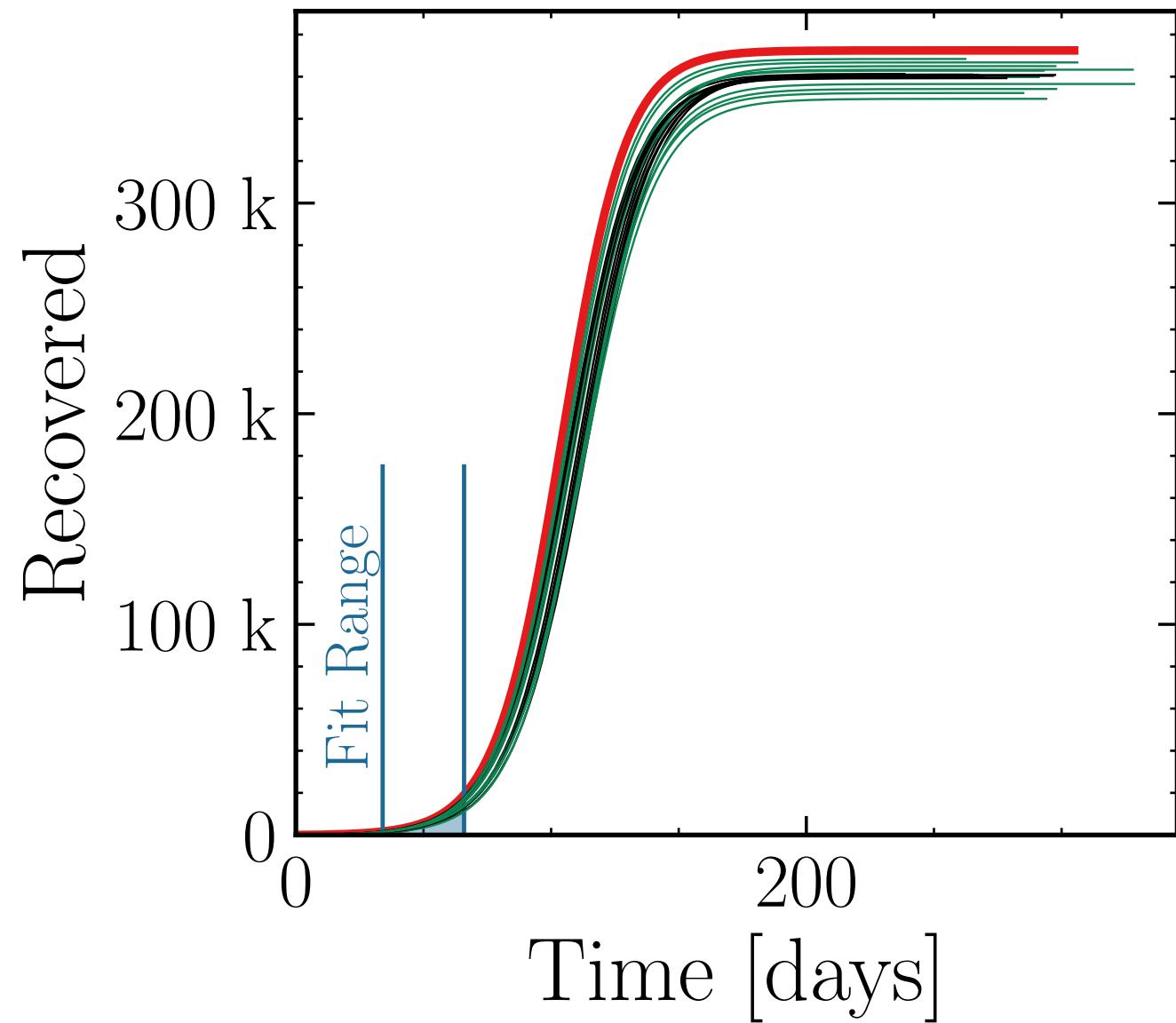
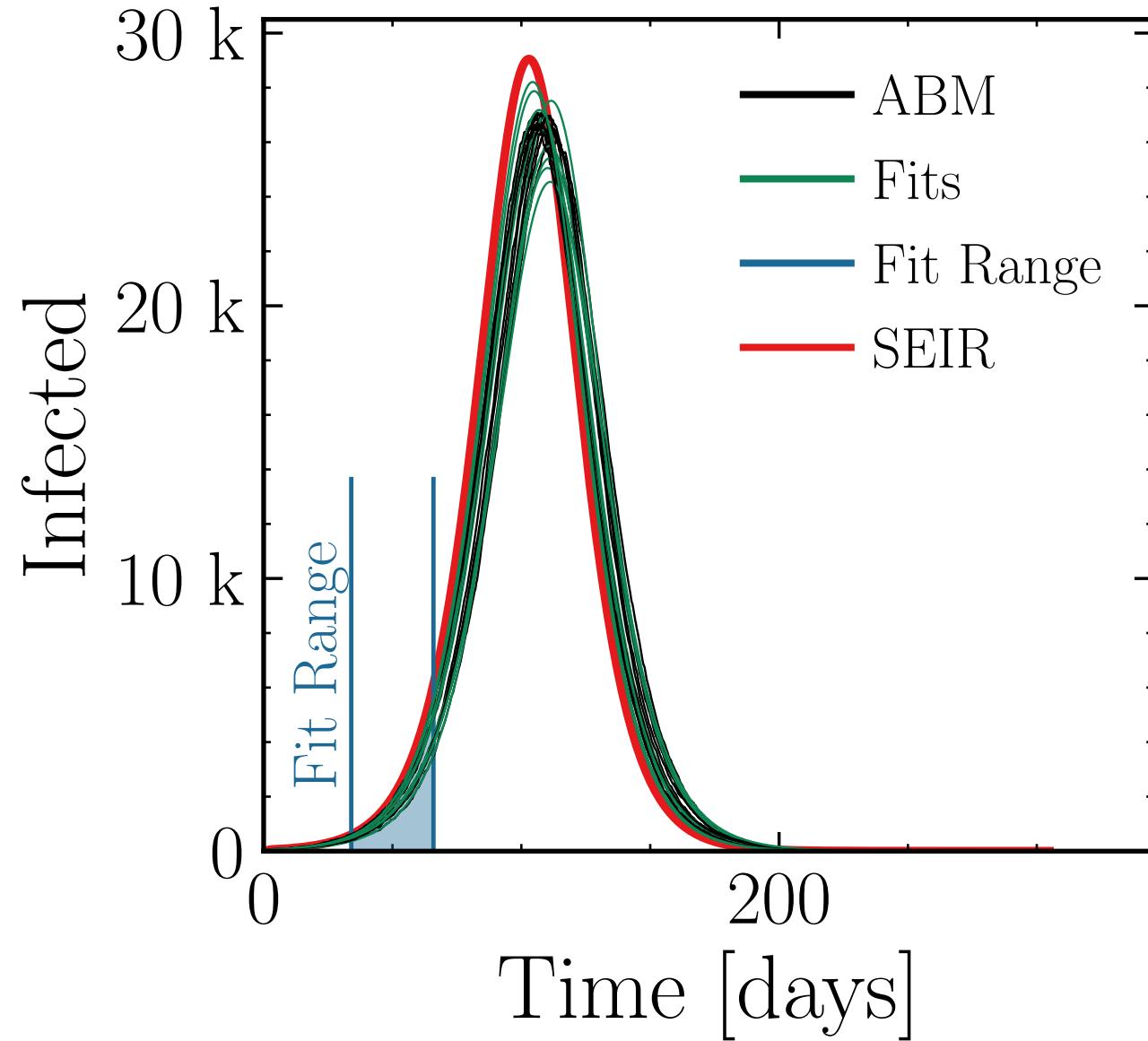
$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 0.99 \pm 0.02$$

$$\text{v.} = 1.0, \text{hash} = 82f109dc6e, \#10$$

$$R_{\infty}^{\text{fit}}$$

$$= (360 \pm 0.55\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 0.998 \pm 0.005$$



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

$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

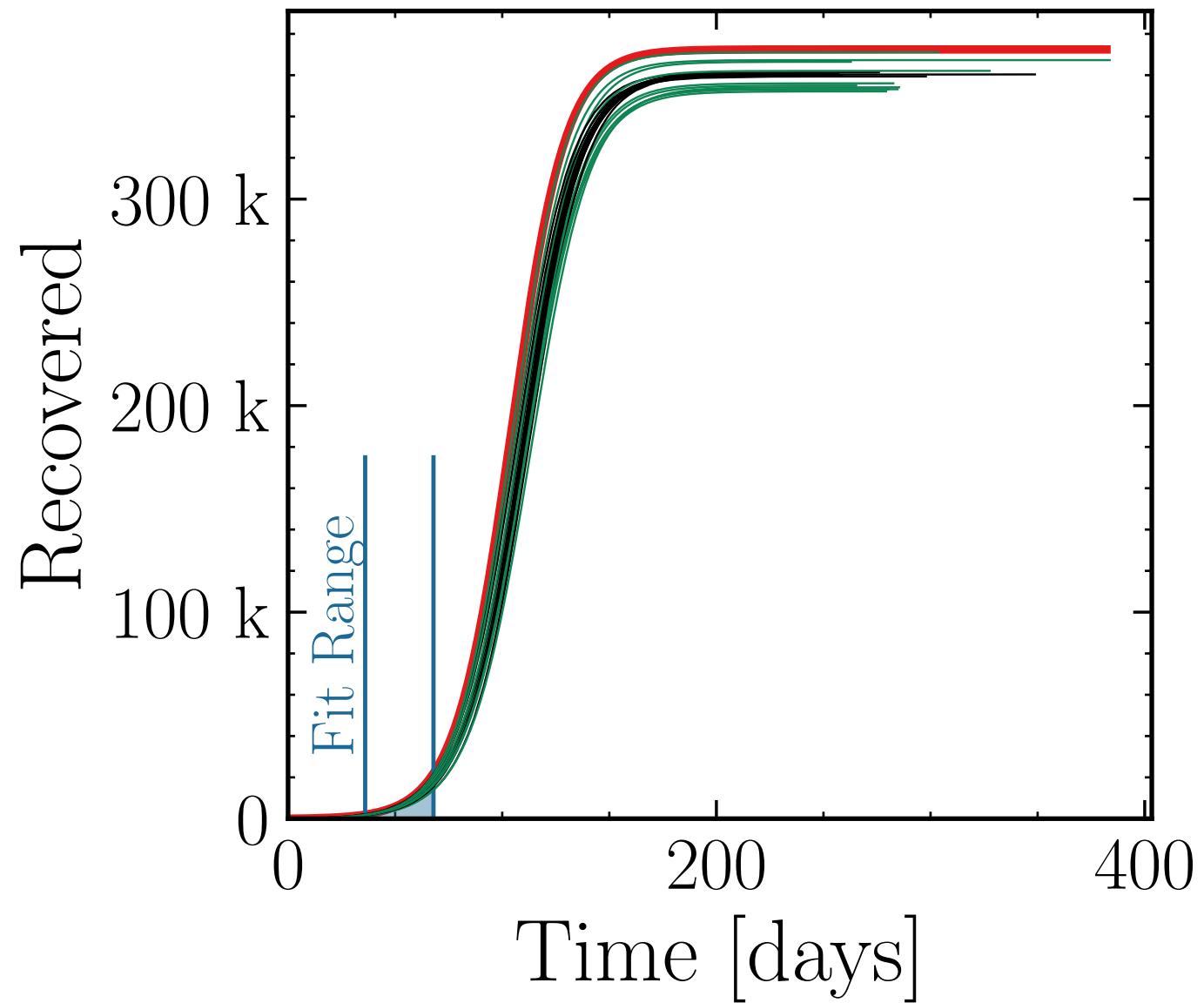
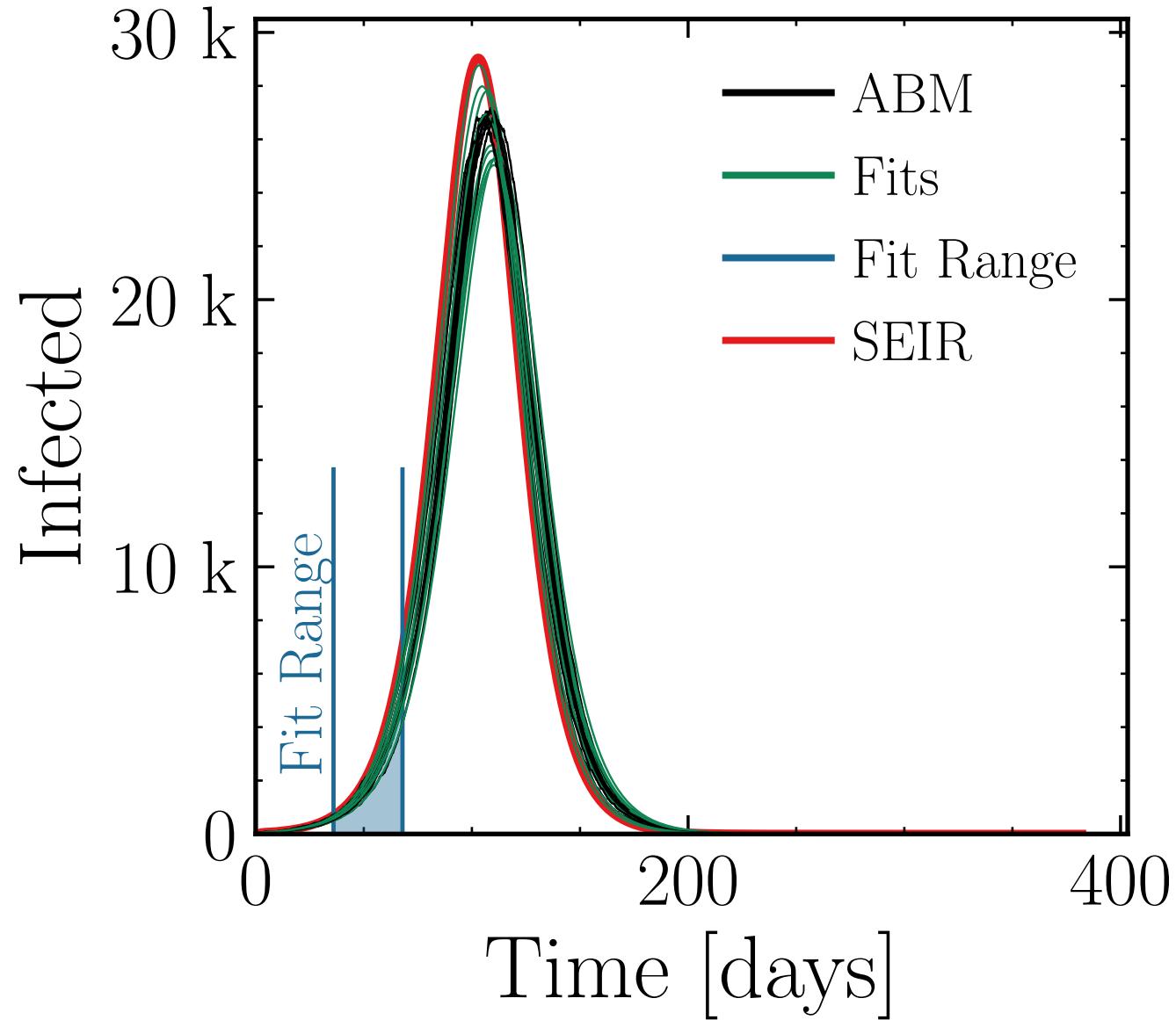
$N_{\text{events}} = 100$ , event<sub>size<sub>max</sub></sub> = 40, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$$I_{\text{max}}^{\text{fit}} = (26.4 \pm 1.6\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 0.98 \pm 0.02 \quad v. = 1.0, \text{hash} = 5afb261391, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (359 \pm 0.59\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 0.996 \pm 0.006$$



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

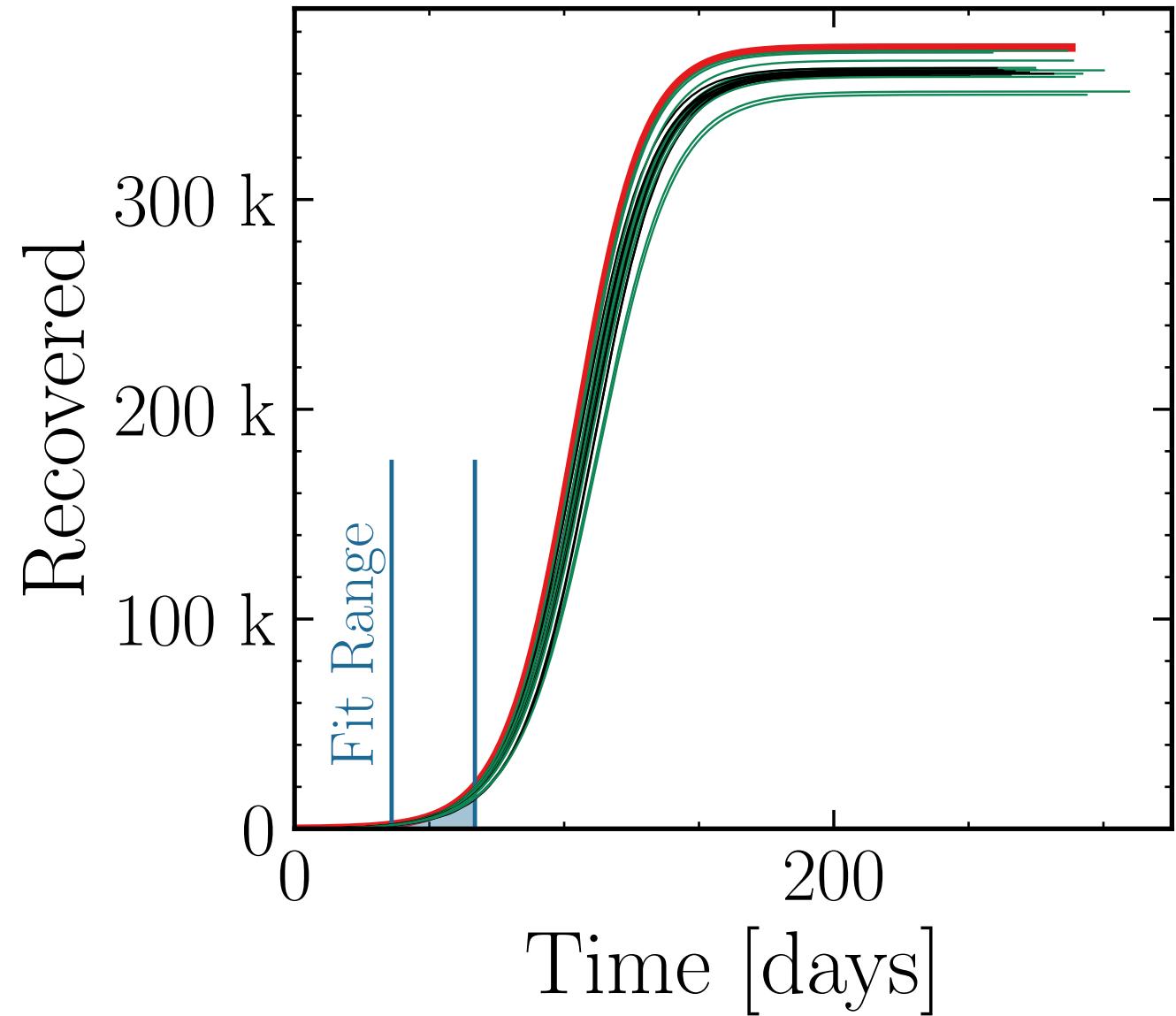
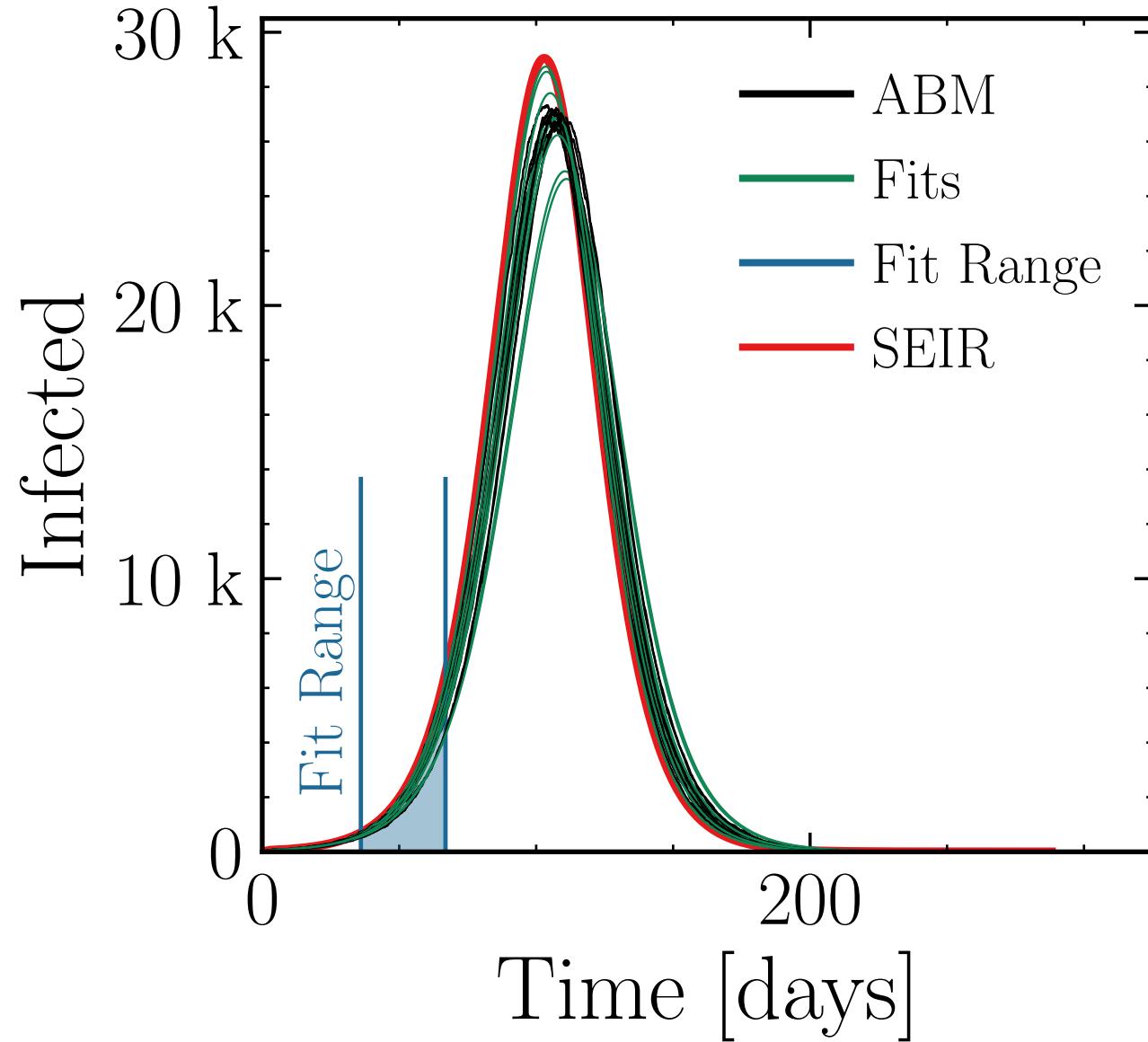
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 100$ , event<sub>size<sub>max</sub></sub> = 50, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$$I_{\text{max}}^{\text{fit}} = (26.8 \pm 1.5\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 0.995 \pm 0.015 \quad v. = 1.0, \text{hash} = 72\text{ca2f57e2}, \#10 \\ R_{\infty}^{\text{fit}} = (361 \pm 0.58\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.002 \pm 0.0057$$



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

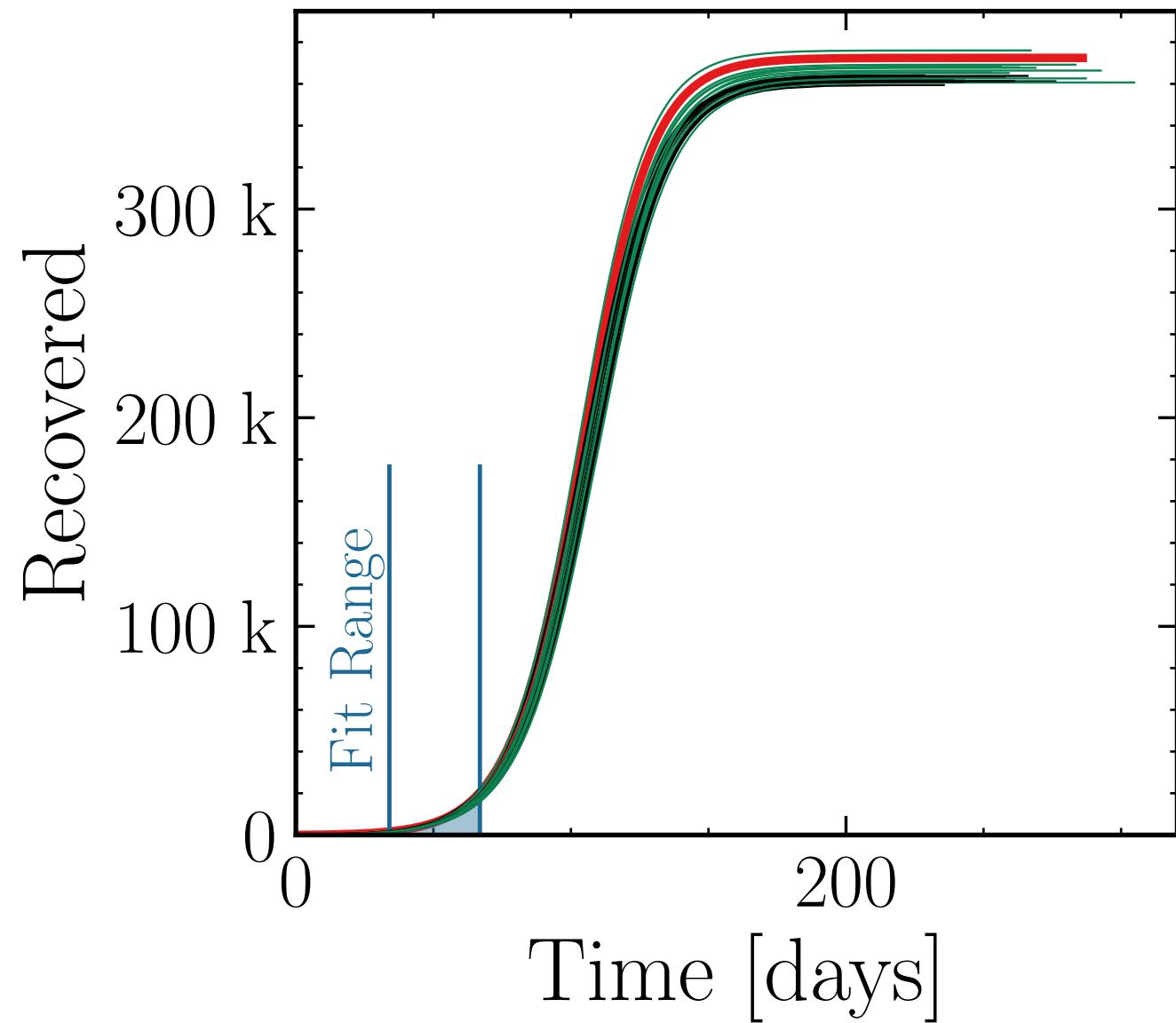
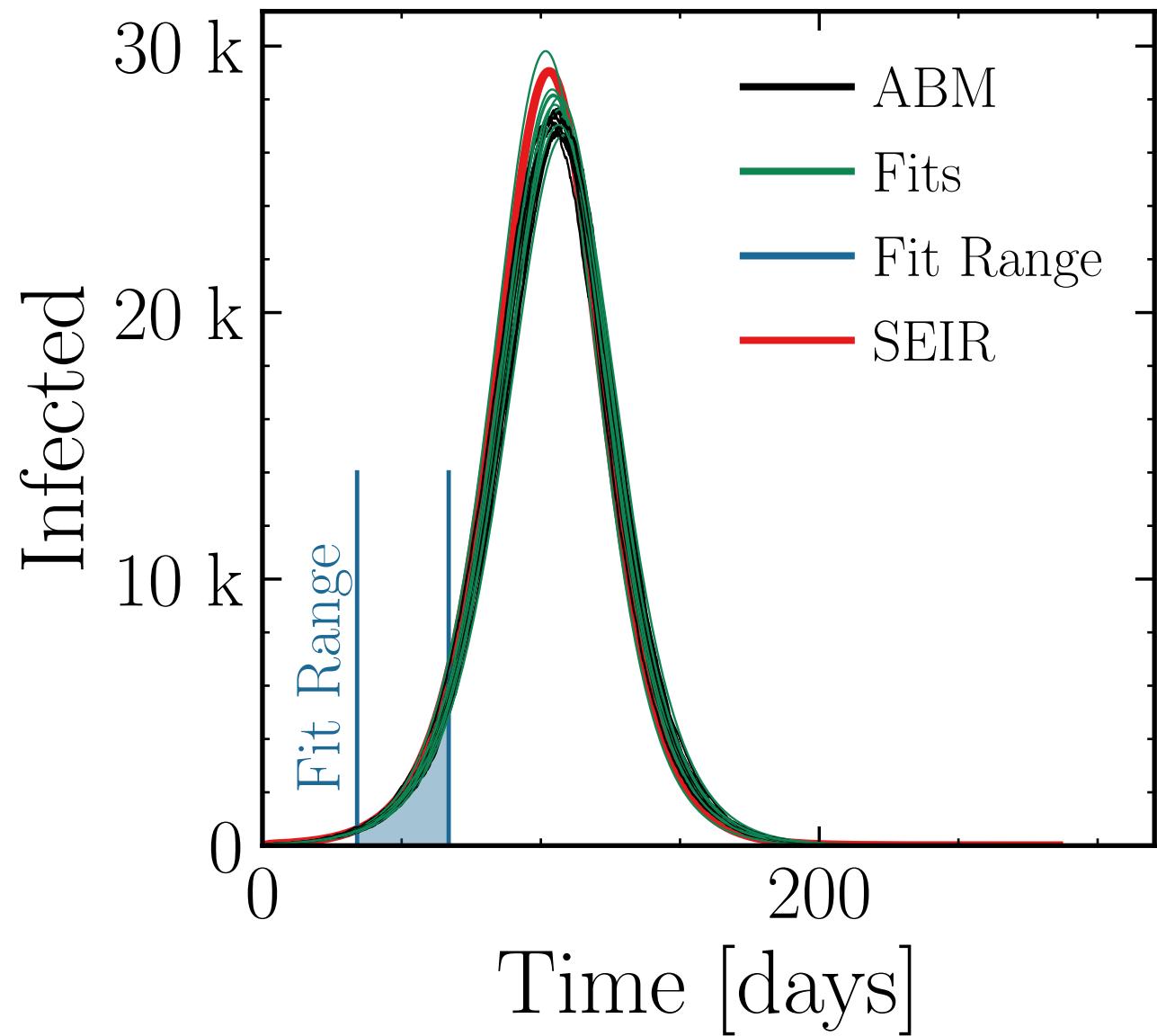
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 100$ , event<sub>size<sub>max</sub></sub> = 75, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$$I_{\text{max}}^{\text{fit}} = (27.9 \pm 0.91\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1.025 \pm 0.0088 \quad v. = 1.0, \text{ hash} = 7de47759eb, \#10 \\ R_{\infty}^{\text{fit}} = (367 \pm 0.35\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.013 \pm 0.0033$$



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

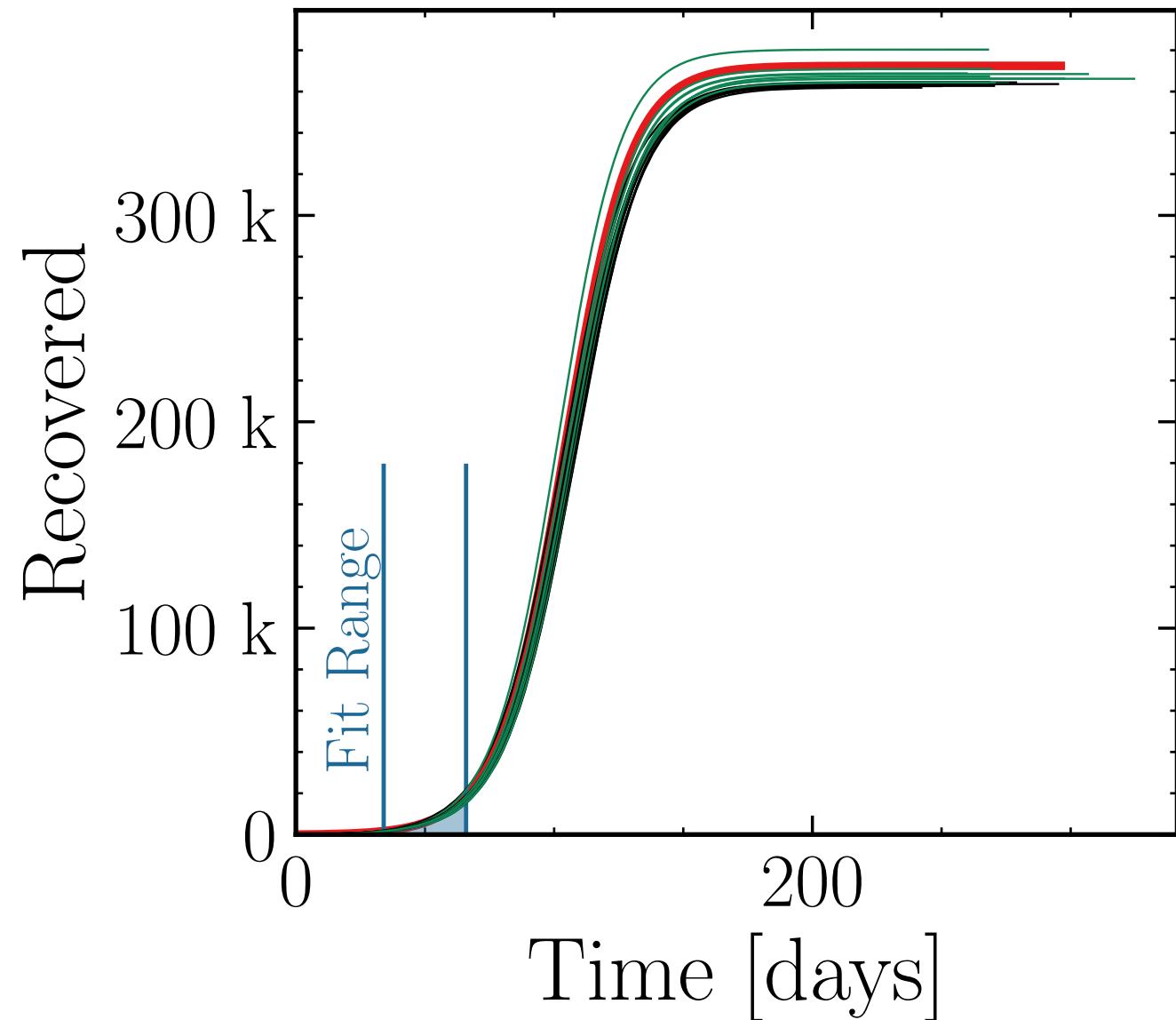
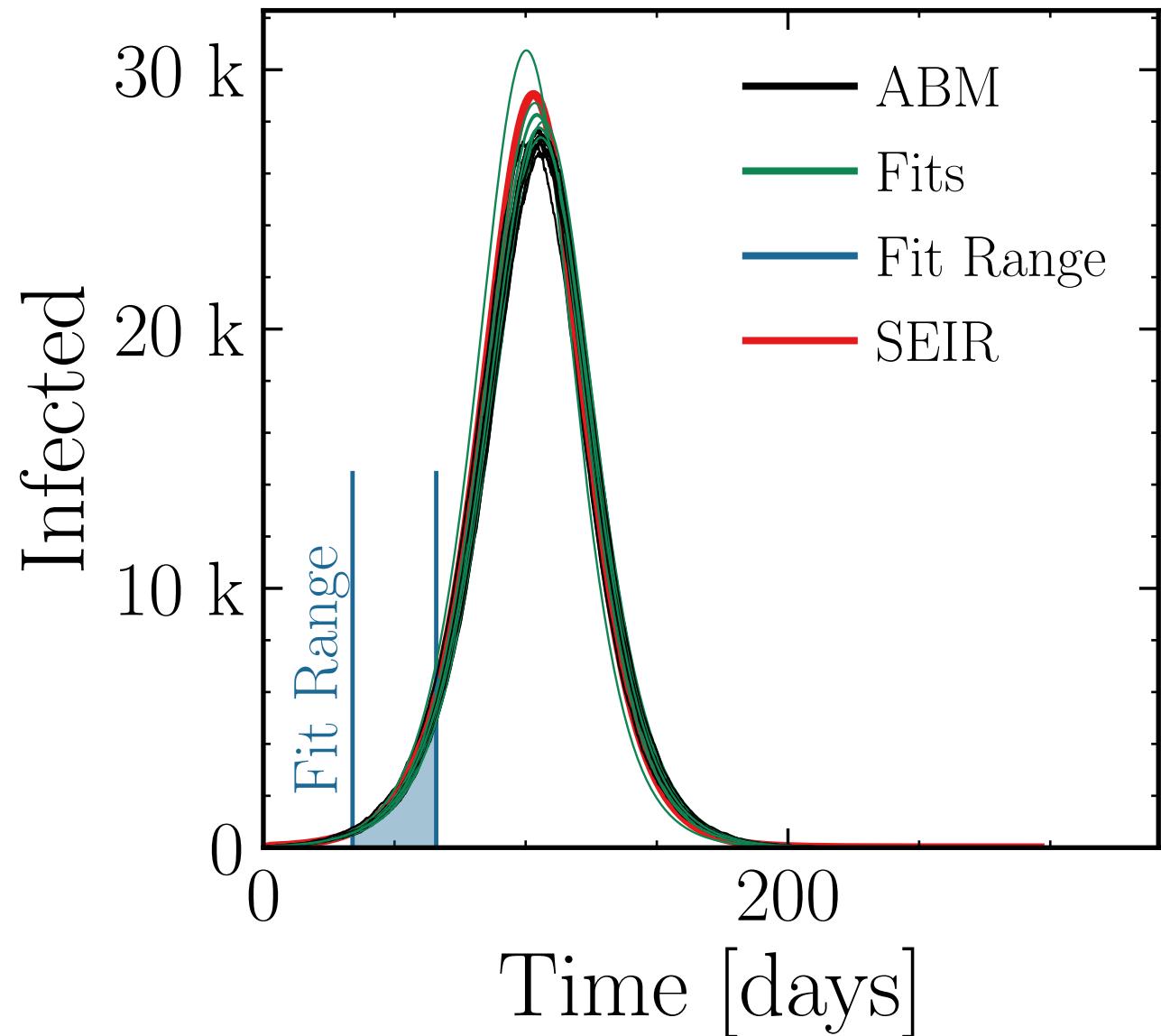
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 100$ , event<sub>size<sub>max</sub></sub> = 100, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{max}}^{\text{fit}} = (28.2 \pm 1.1\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1.03 \pm 0.012 \quad v. = 1.0, \text{ hash} = 3fc1208bf8 \#10 \quad R_{\infty}^{\text{fit}} \# (368 \pm 0.4\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.013 \pm 0.0040$$



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

$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

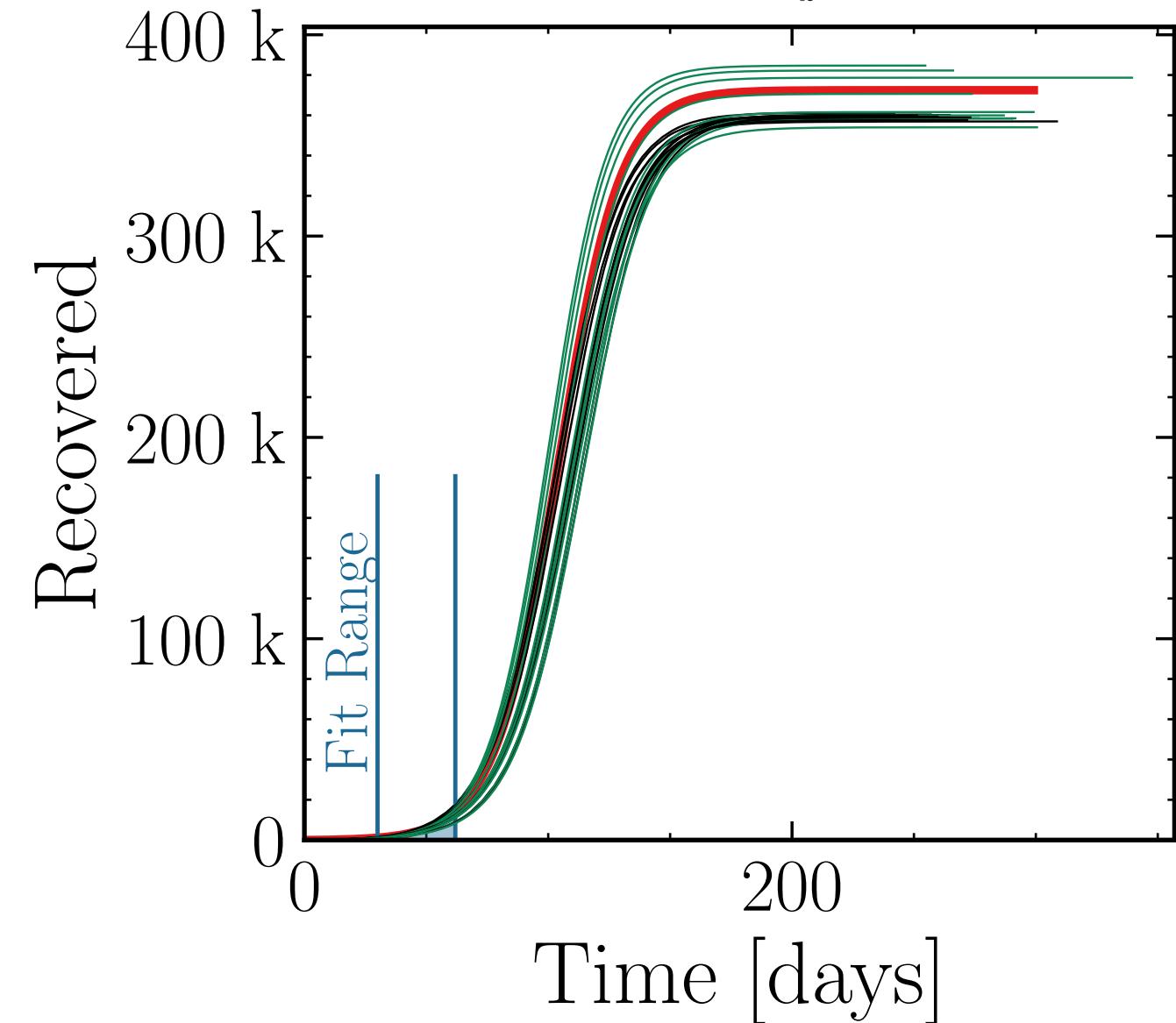
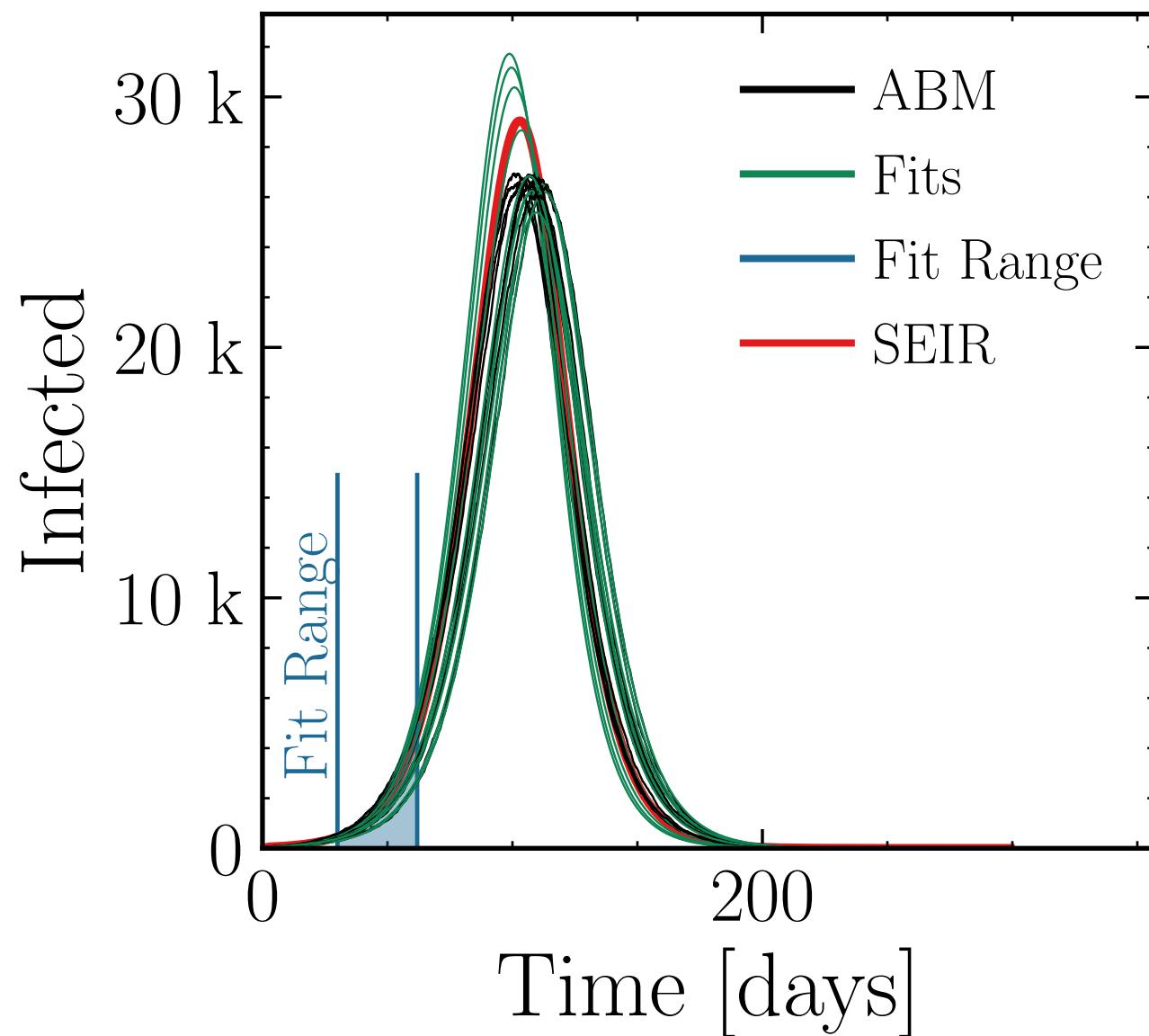
$N_{\text{events}} = 1K$ , event<sub>size<sub>max</sub></sub> = 1, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$$I_{\text{max}}^{\text{fit}} = (27.9 \pm 2.5\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1.05 \pm 0.026 \quad v. = 1.0, \text{ hash} = 5cdcd5af7, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (367 \pm 0.93\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.02 \pm 0.0095$$



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

$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

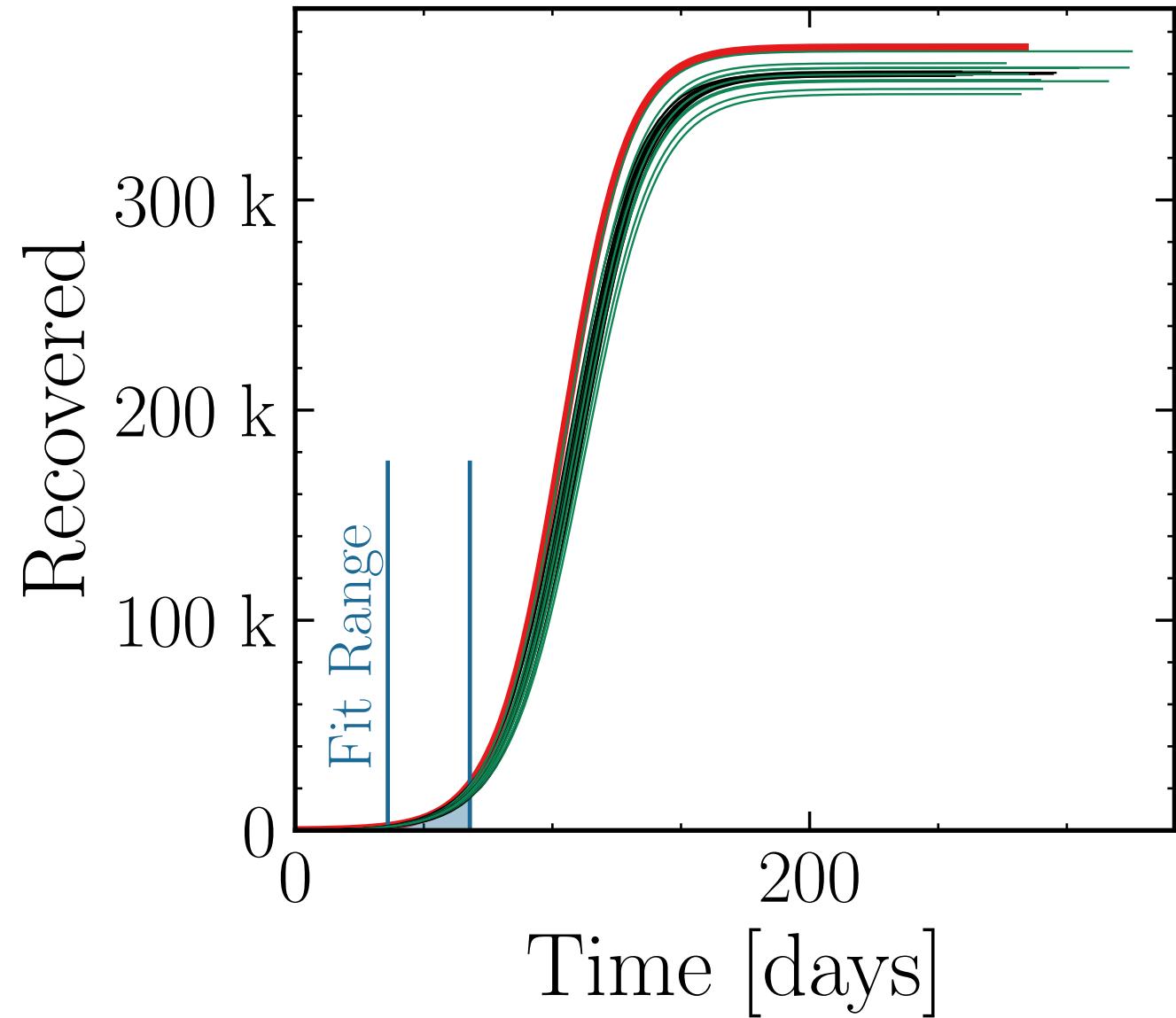
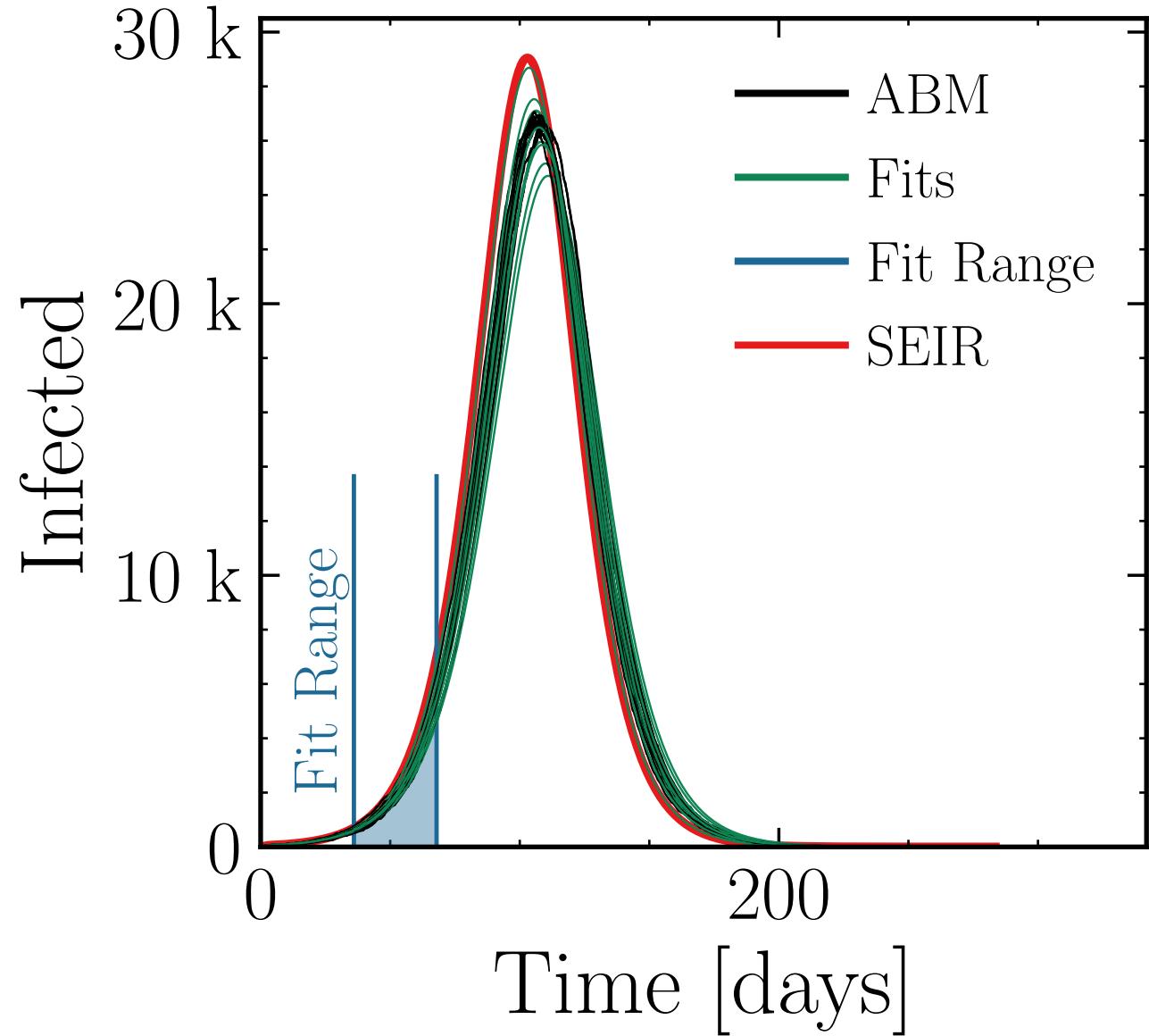
$N_{\text{events}} = 1K$ , event<sub>size<sub>max</sub></sub> = 2, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{max}}^{\text{fit}} = (26.5 \pm 1.3\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 0.99 \pm 0.01 \quad v. = 1.0, \text{hash} = \text{ac9adb9905}$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (360 \pm 0.5\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 0.9999 \pm 0.0048$$



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

$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

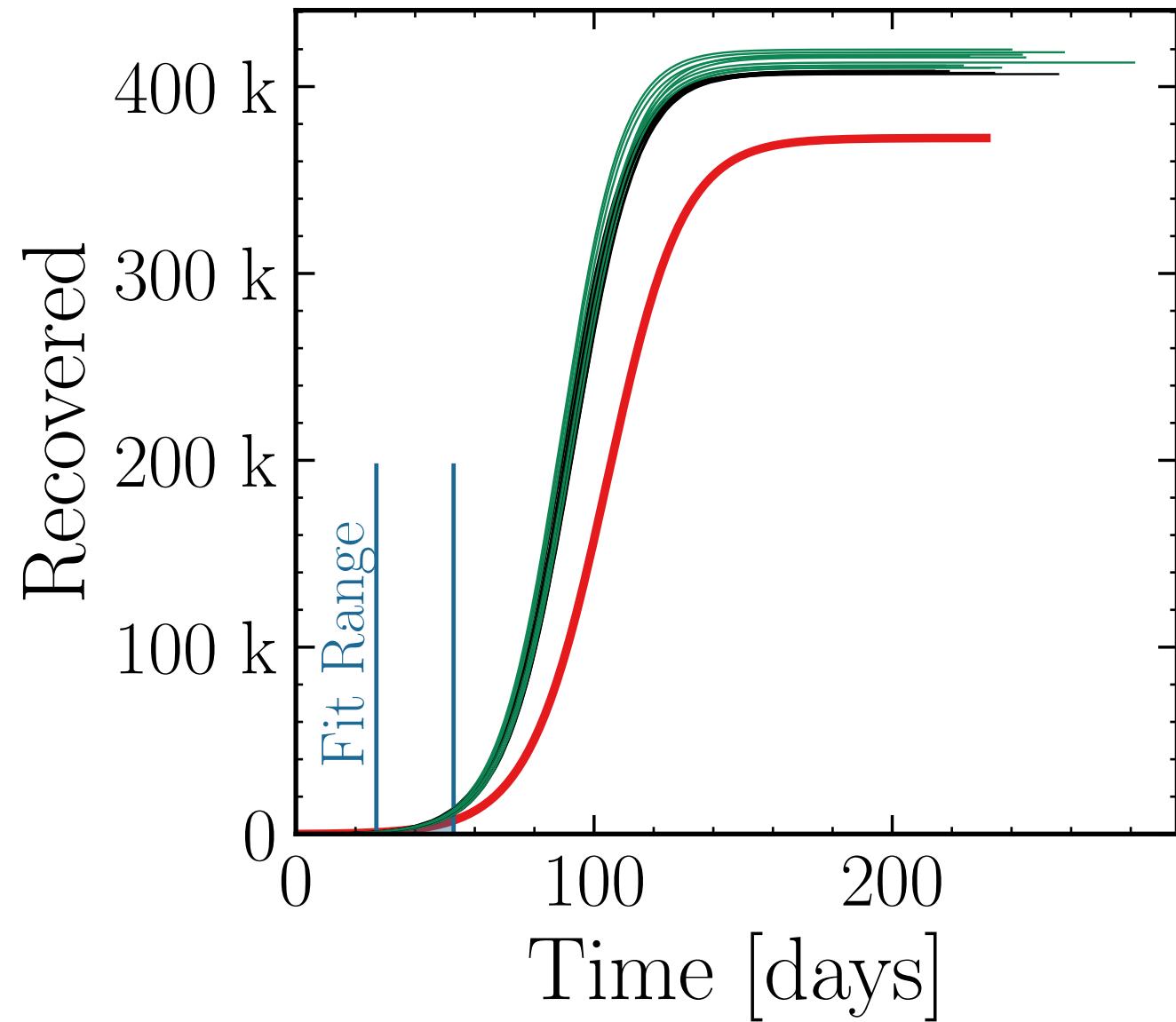
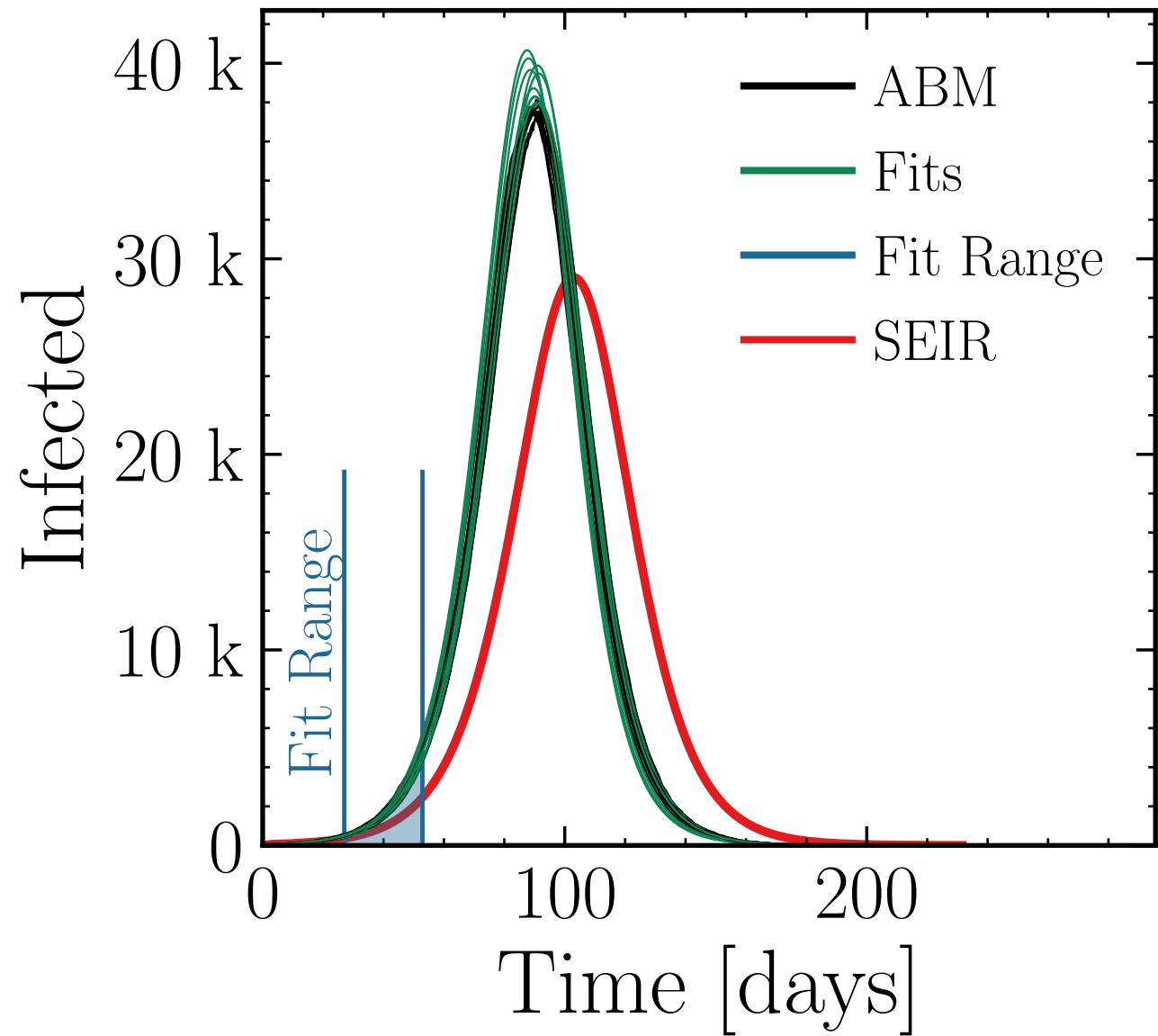
$N_{\text{events}} = 1K$ , event<sub>size<sub>max</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{max}}^{\text{fit}} = (39.1 \pm 0.76\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1.039 \pm 0.0075 \quad v. = 1.0, \text{ hash} = 2e883cdda0, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (414 \pm 0.27\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.017 \pm 0.0026$$



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

$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

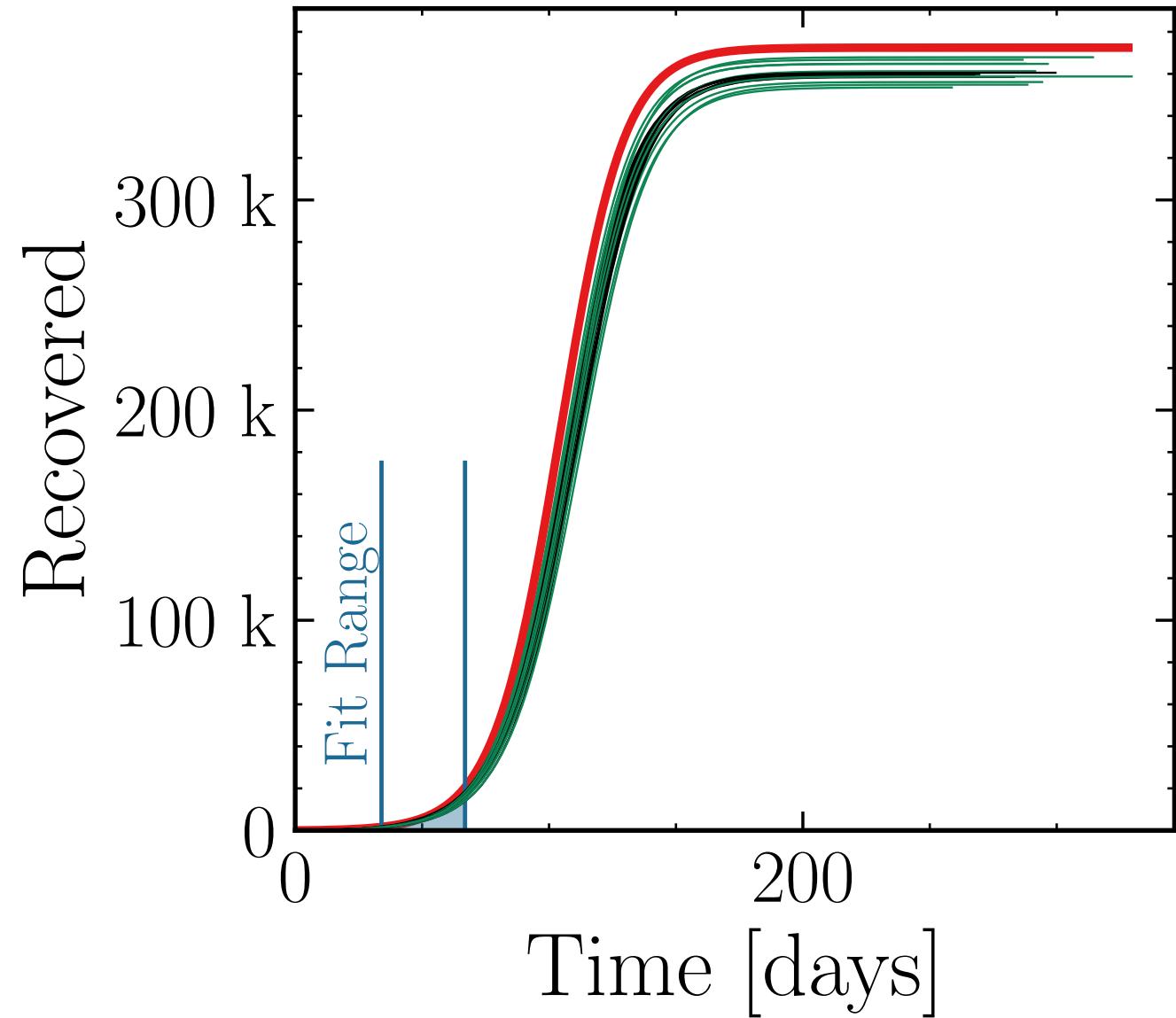
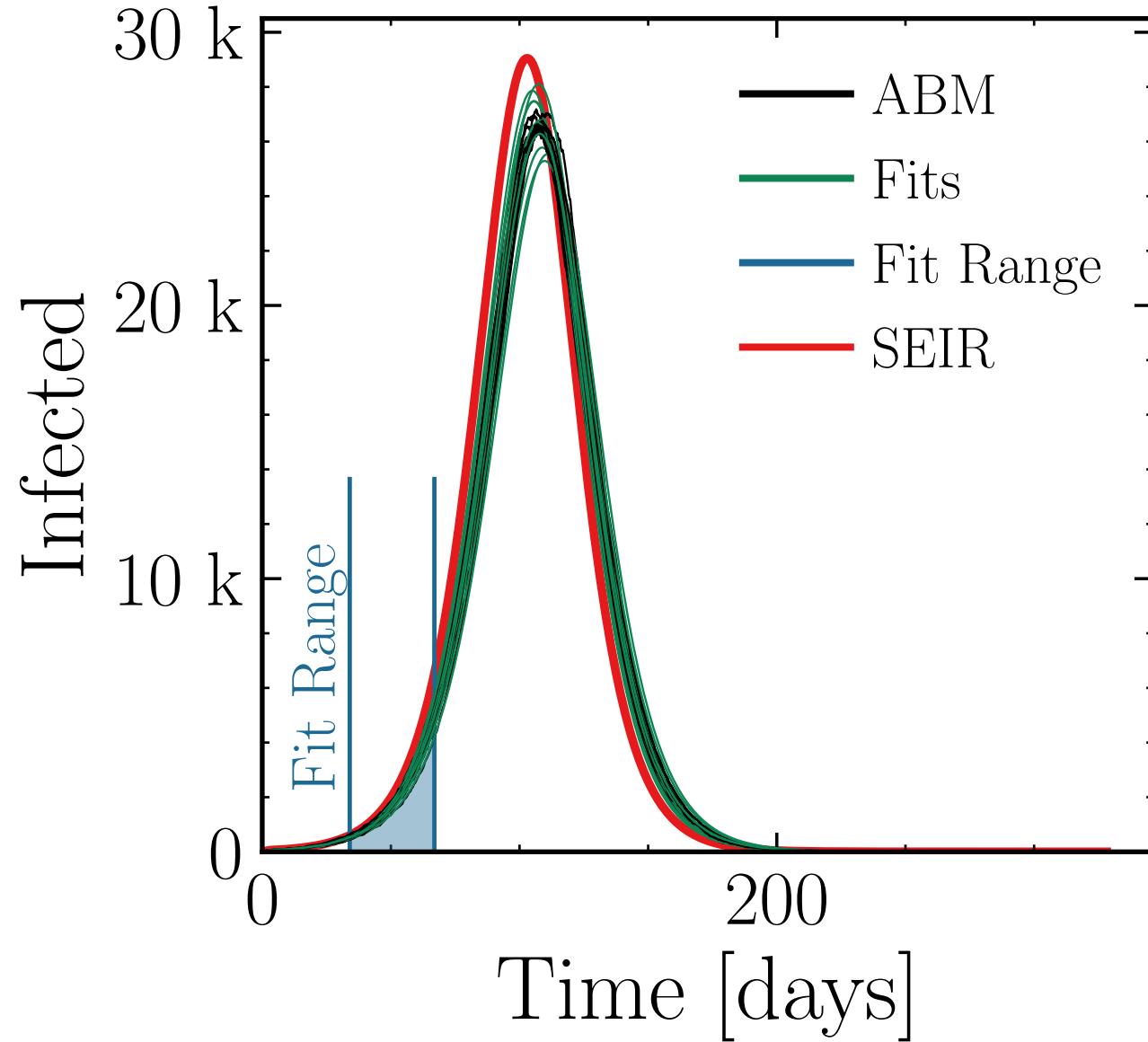
$N_{\text{events}} = 1K$ , event<sub>size<sub>max</sub></sub> = 3, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$I_{\text{max}}^{\text{fit}} = (26.7 \pm 1.1\%) \cdot 10^3$

$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1 \pm 0.011$

v. = 1.0, hash = b34d2f338a, #10  
 $R_{\infty}^{\text{fit}} = (361 \pm 0.43\%) \cdot 10^3$

$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.004 \pm 0.0044$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , 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> = 4, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

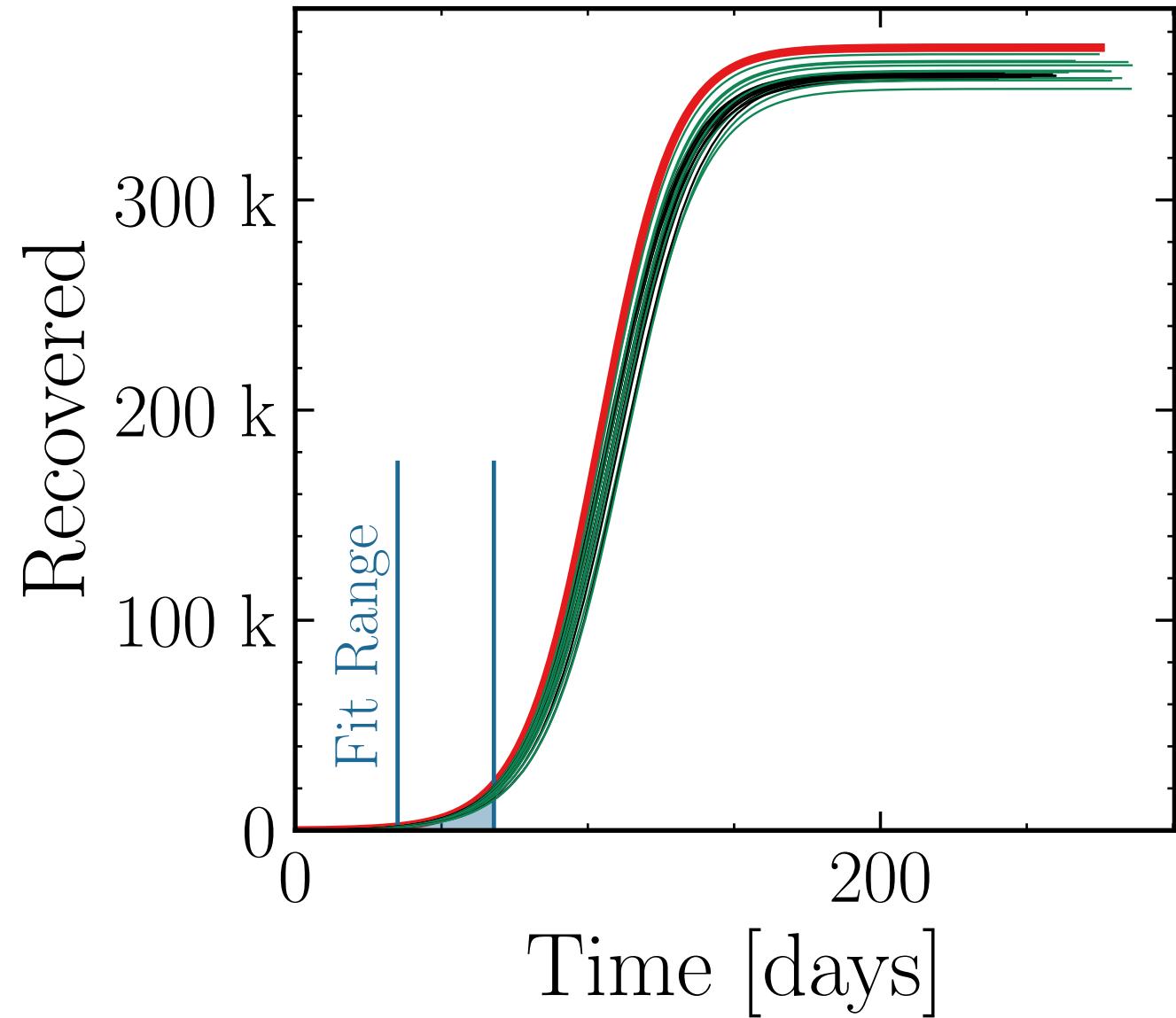
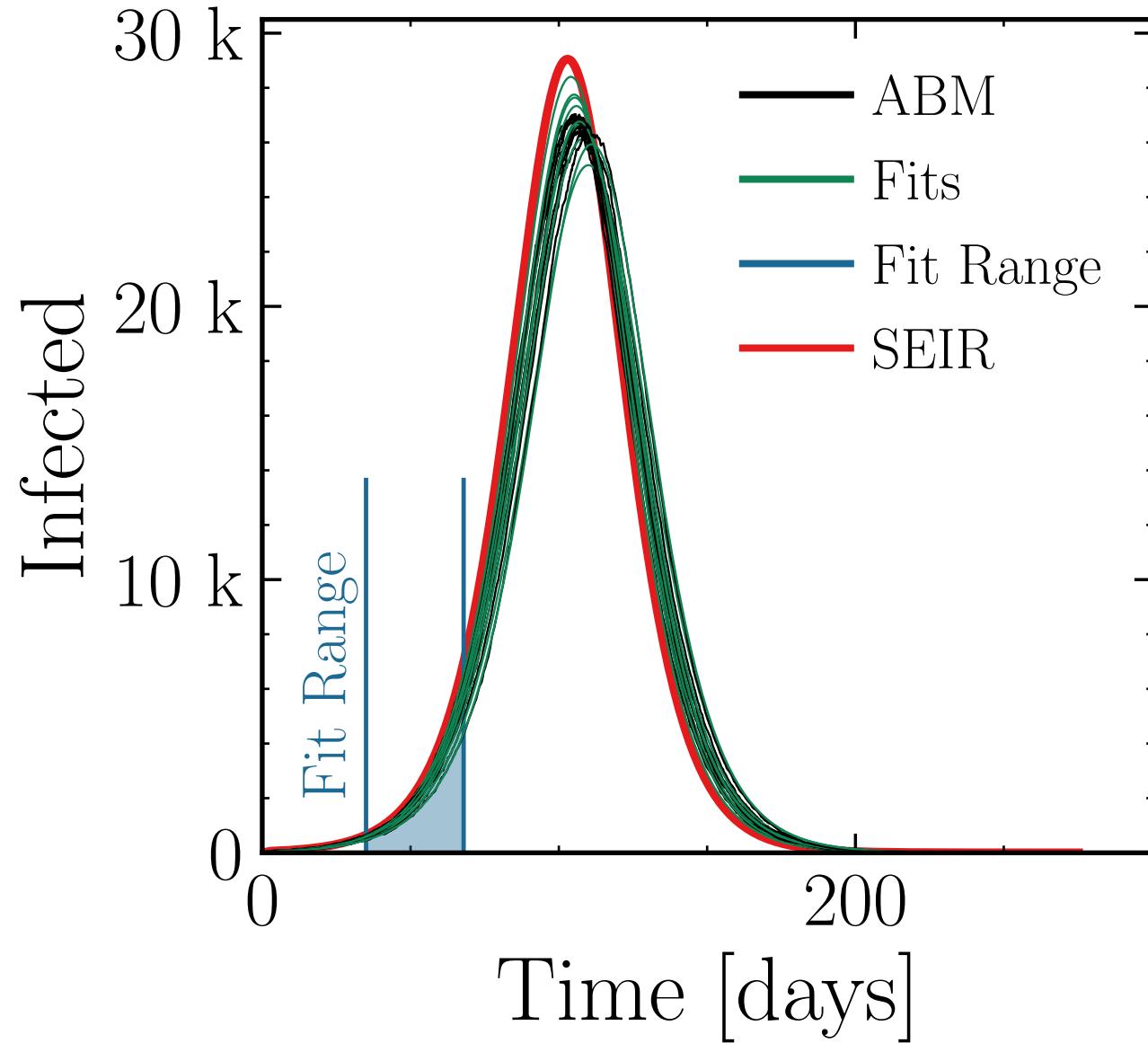
$$I_{\text{max}}^{\text{fit}} = (26.9 \pm 1.1\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1.003 \pm 0.0093$$

$$V. = 1.0, \text{hash} = \text{bbb5c98892}, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (362 \pm 0.41\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.007 \pm 0.0038$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , 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> = 5, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

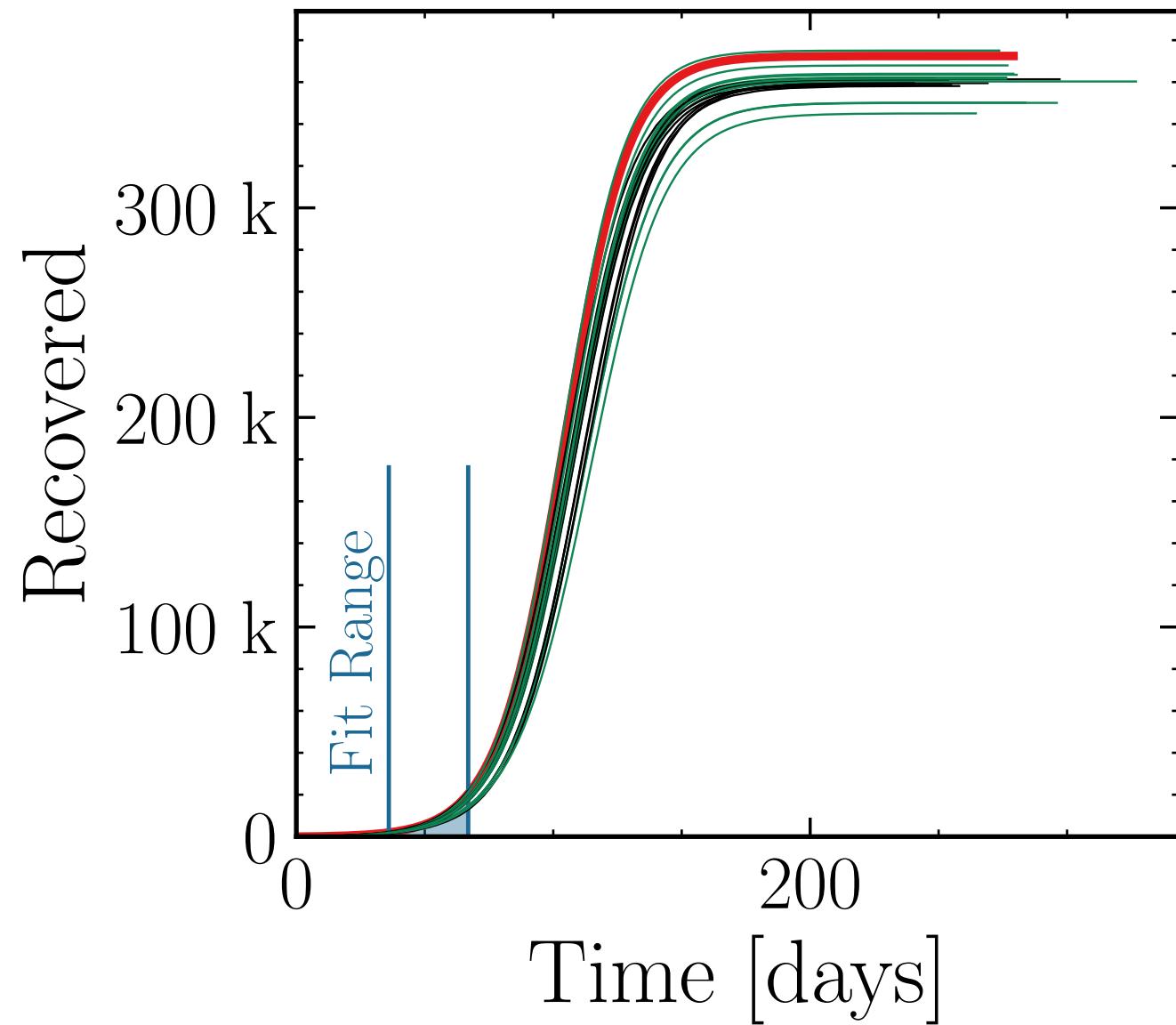
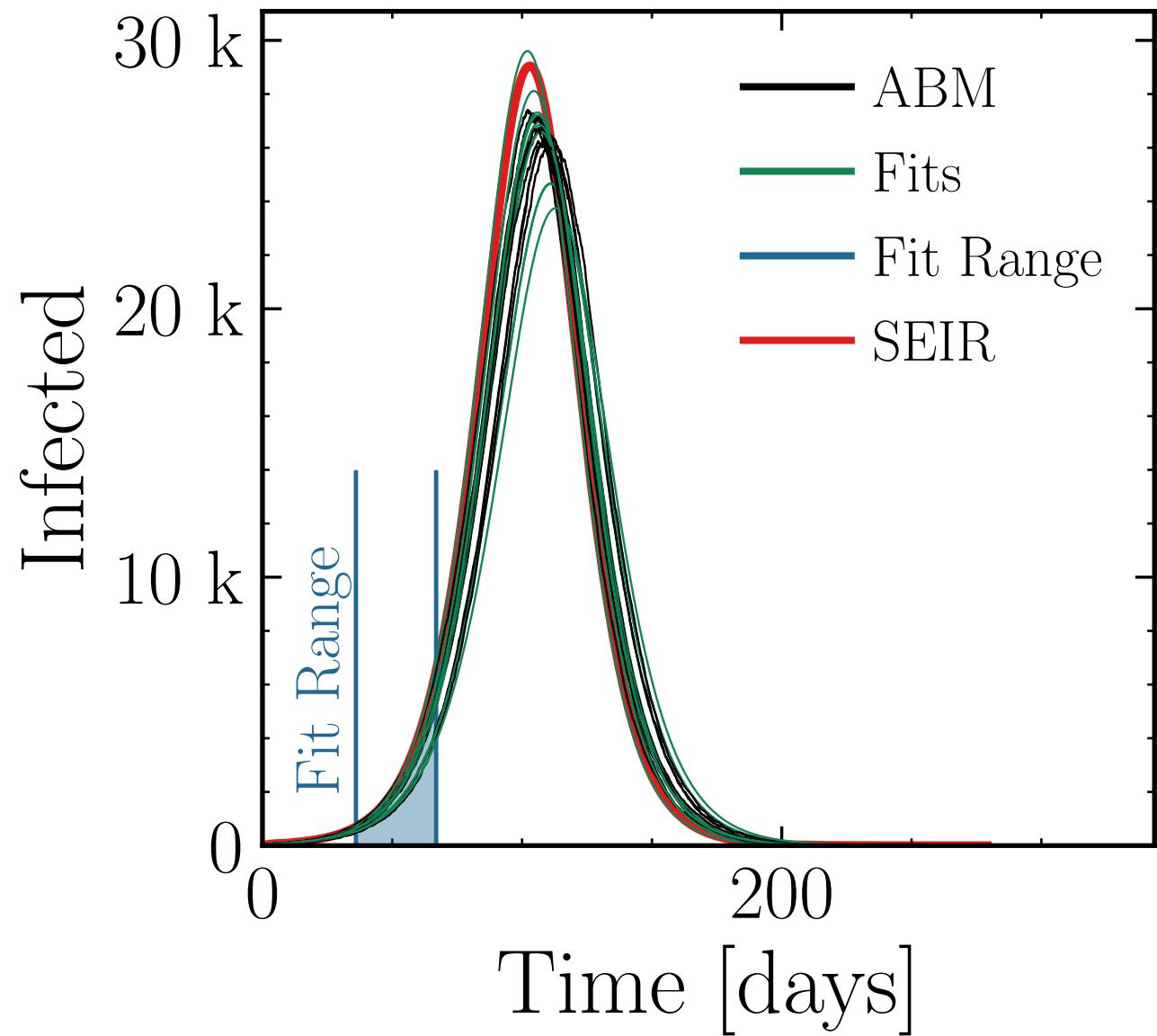
$I_{\text{max}}^{\text{fit}} = (26.6 \pm 2.0\%) \cdot 10^3$

$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 0.99 \pm 0.02$

v. = 1.0, hash = 3ba32c6daa, #10

$R_{\infty}^{\text{fit}} = (360 \pm 0.76\%) \cdot 10^3$

$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1 \pm 0.0071$



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

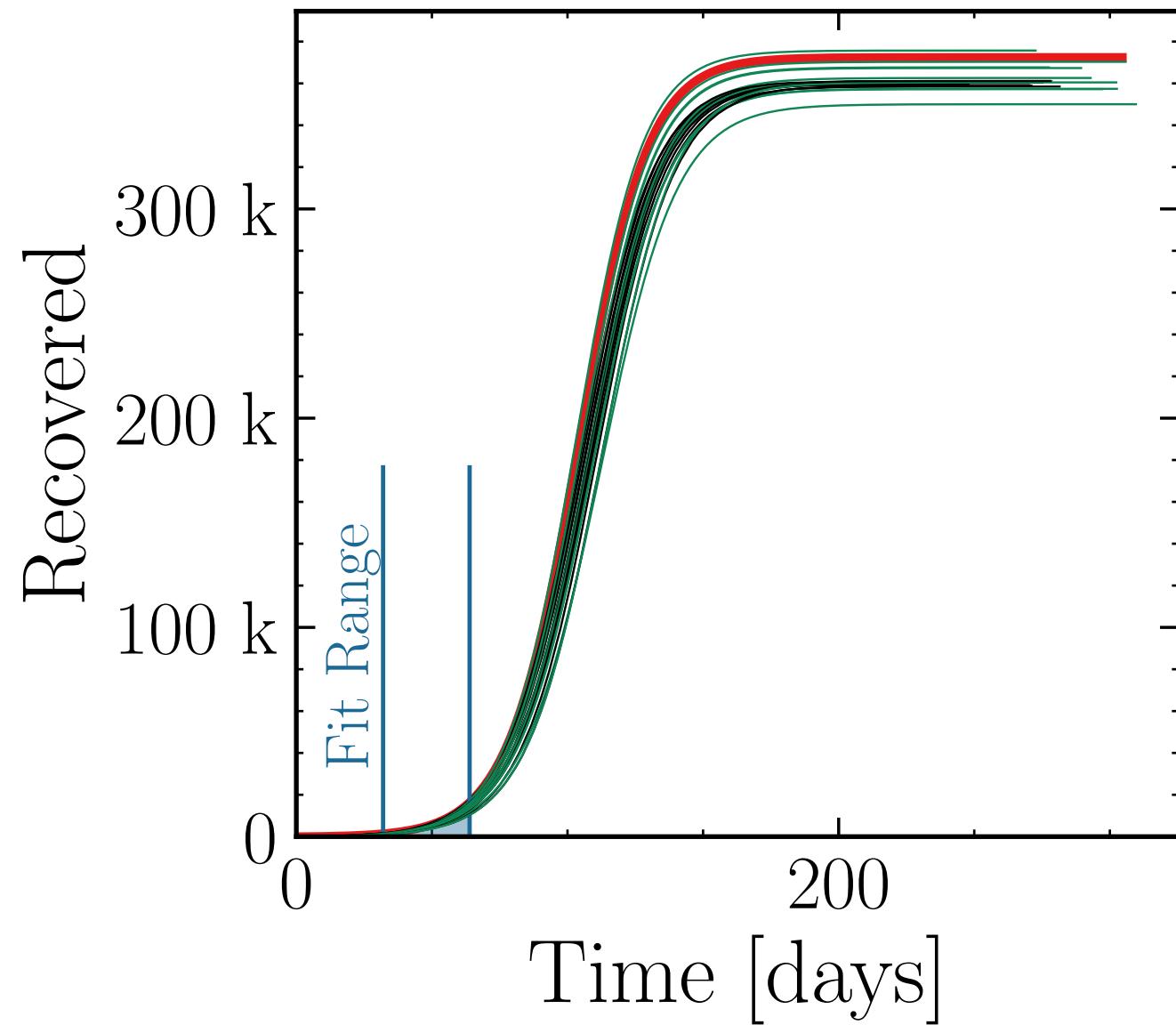
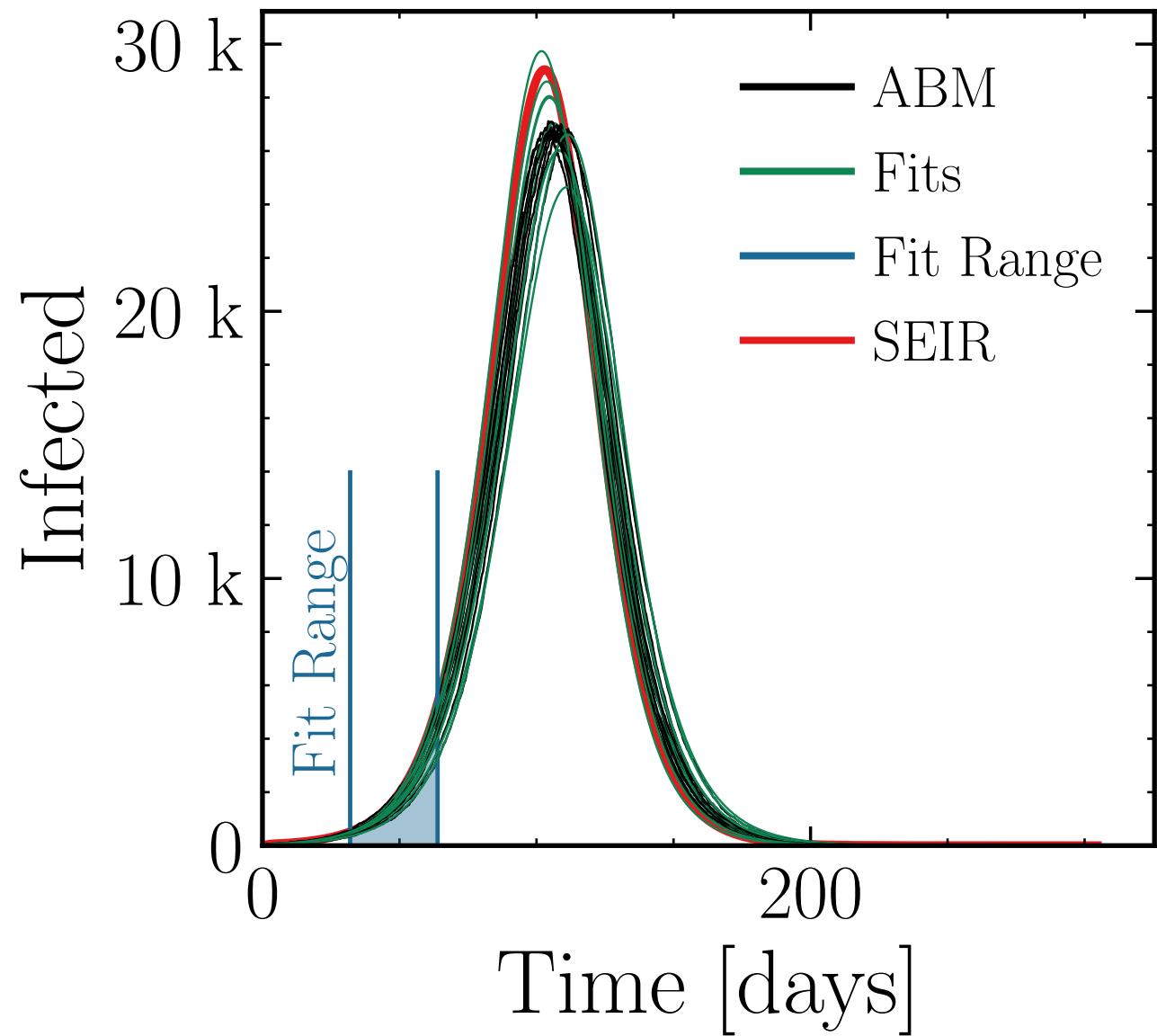
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 1K$ , event<sub>size<sub>max</sub></sub> = 10, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$$I_{\text{max}}^{\text{fit}} = (27.1 \pm 1.6\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1.01 \pm 0.017 \quad v. = 1.0, \text{hash} = \text{c37c396e27}\#10, R_{\infty}^{\text{fit}} = (363 \pm 0.62\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.008 \pm 0.0059$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , 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> = 15, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

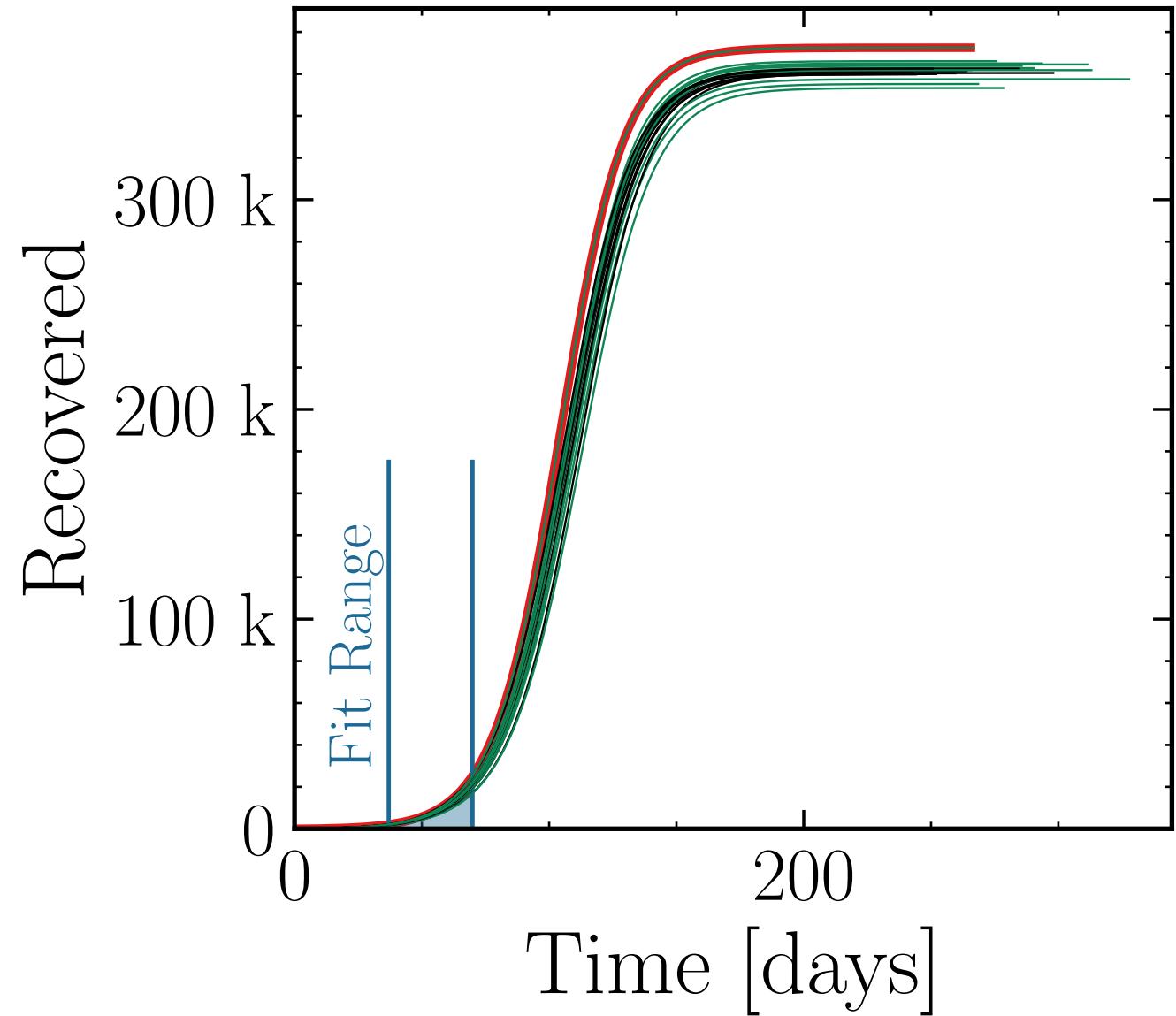
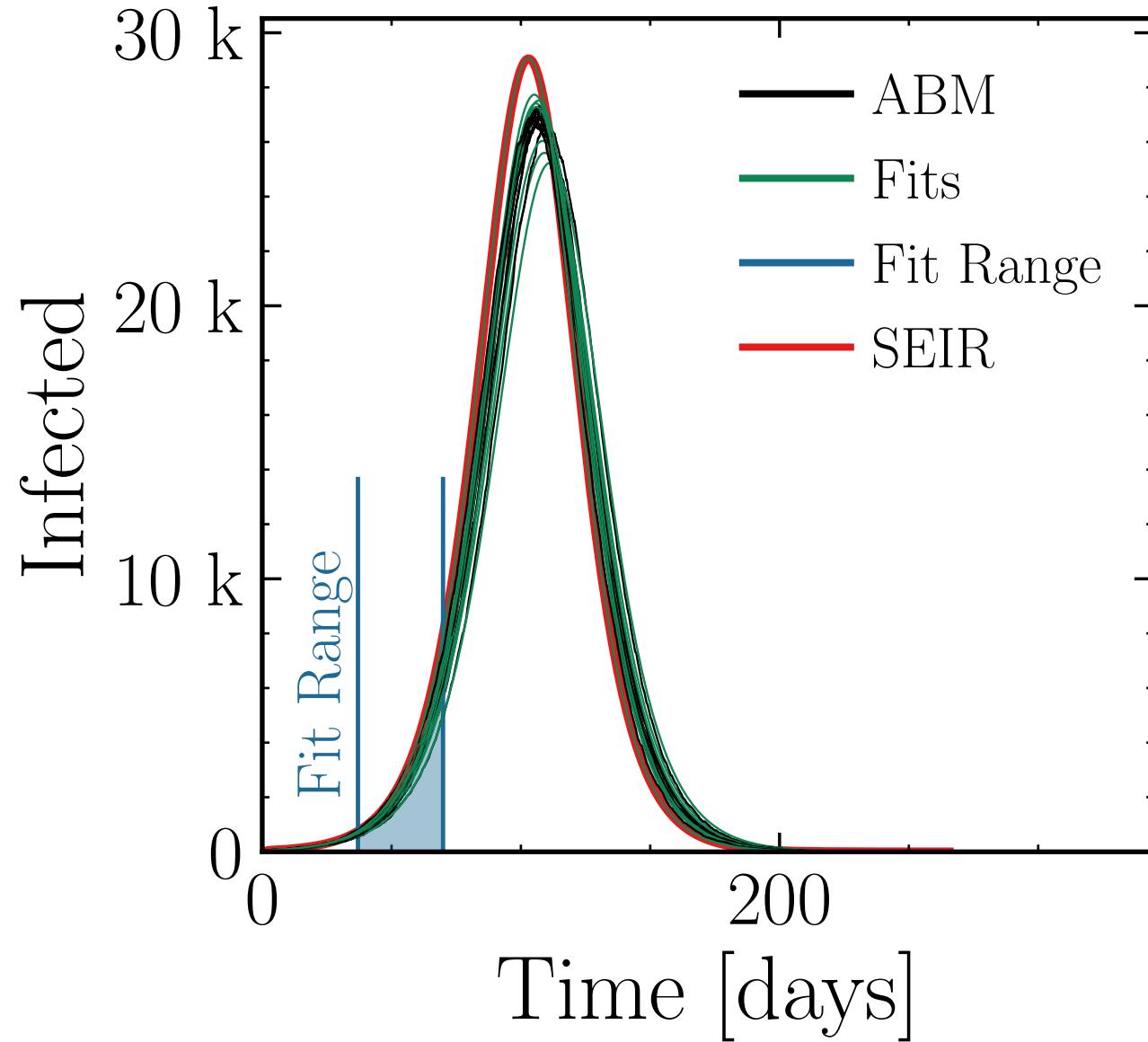
$$I_{\text{max}}^{\text{fit}} = (27 \pm 1.2\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1 \pm 0.012$$

$$\text{v.} = 1.0, \text{hash} = 0591826df7, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (362 \pm 0.47\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.003 \pm 0.0044$$



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

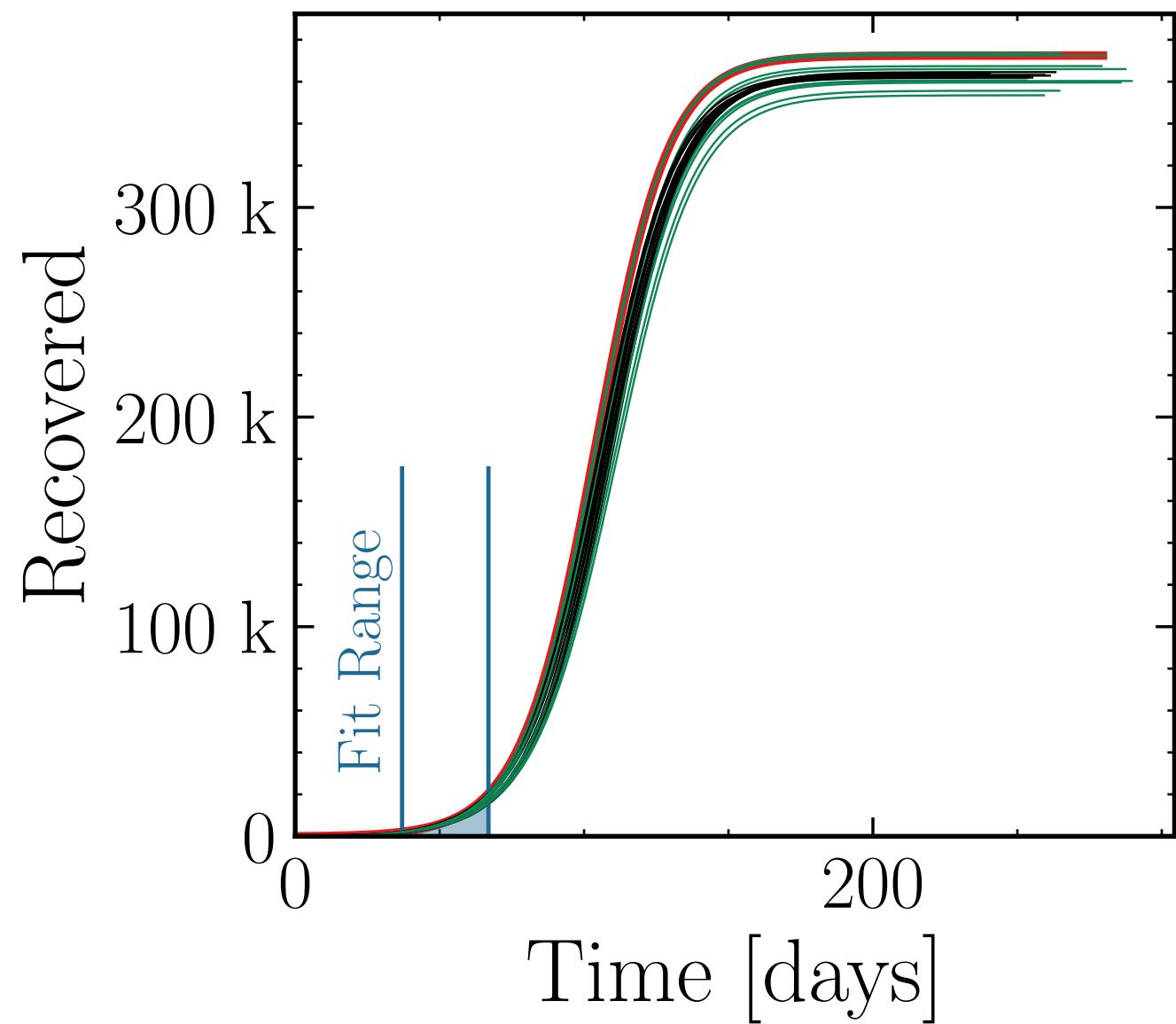
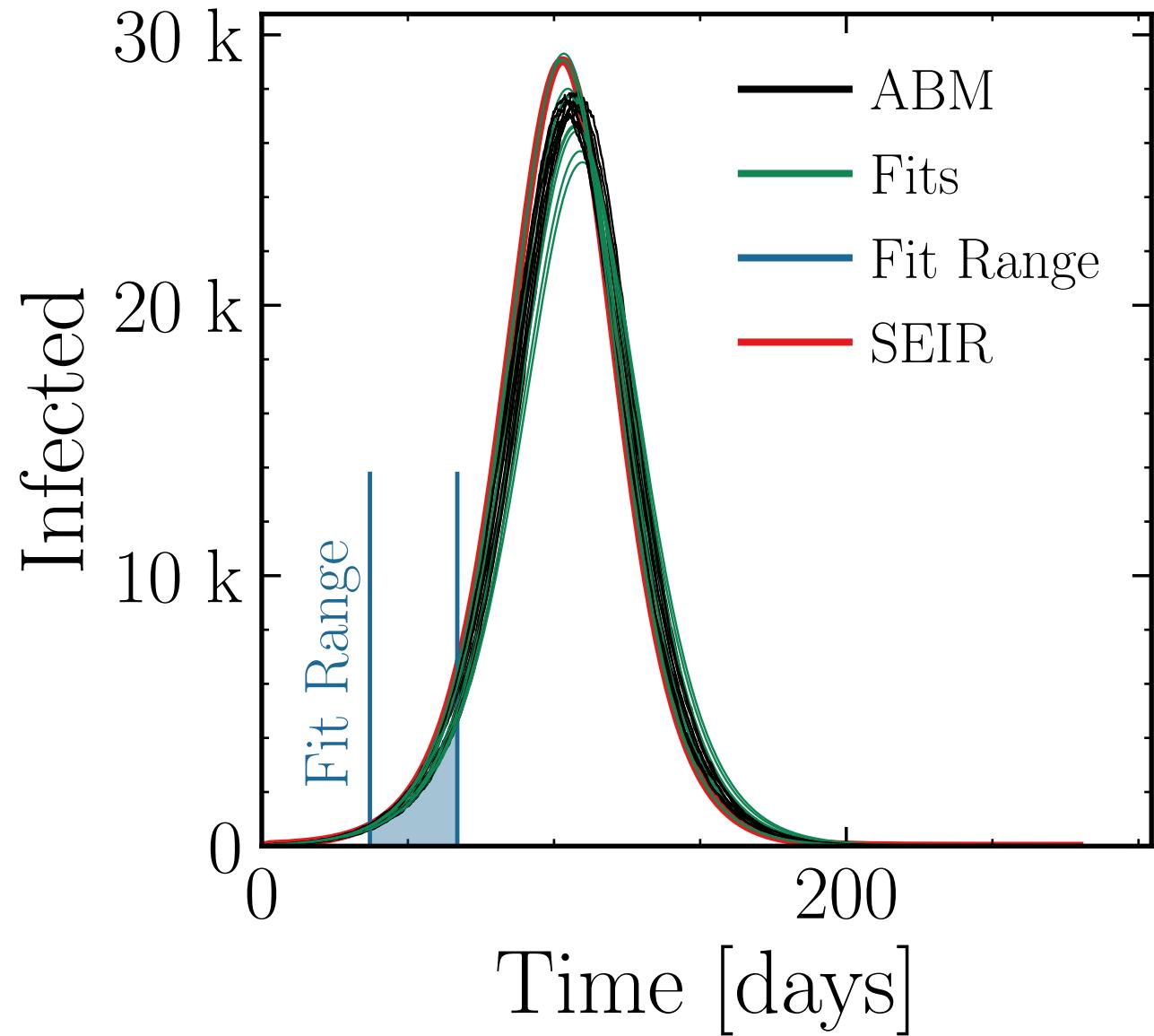
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 1K$ , event<sub>size<sub>max</sub></sub> = 20, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{max}}^{\text{fit}} = (27.4 \pm 1.6\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 0.995 \pm 0.018 \quad v. = 1.0, \text{ hash} = \text{f469588d20}\#10 \quad R_{\infty}^{\text{fit}} \#(364 \pm 0.6\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.003 \pm 0.0064$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , 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> = 30, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

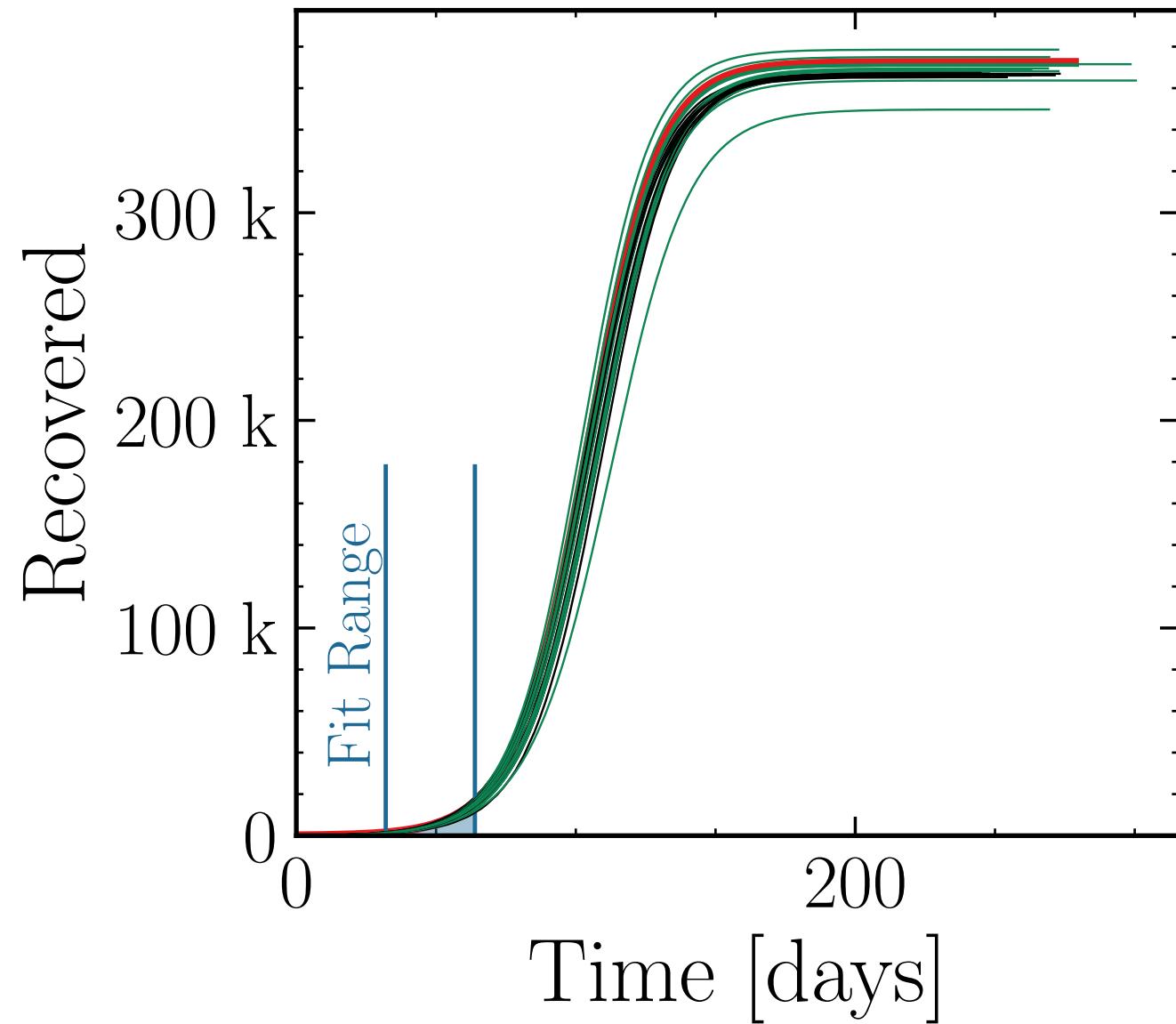
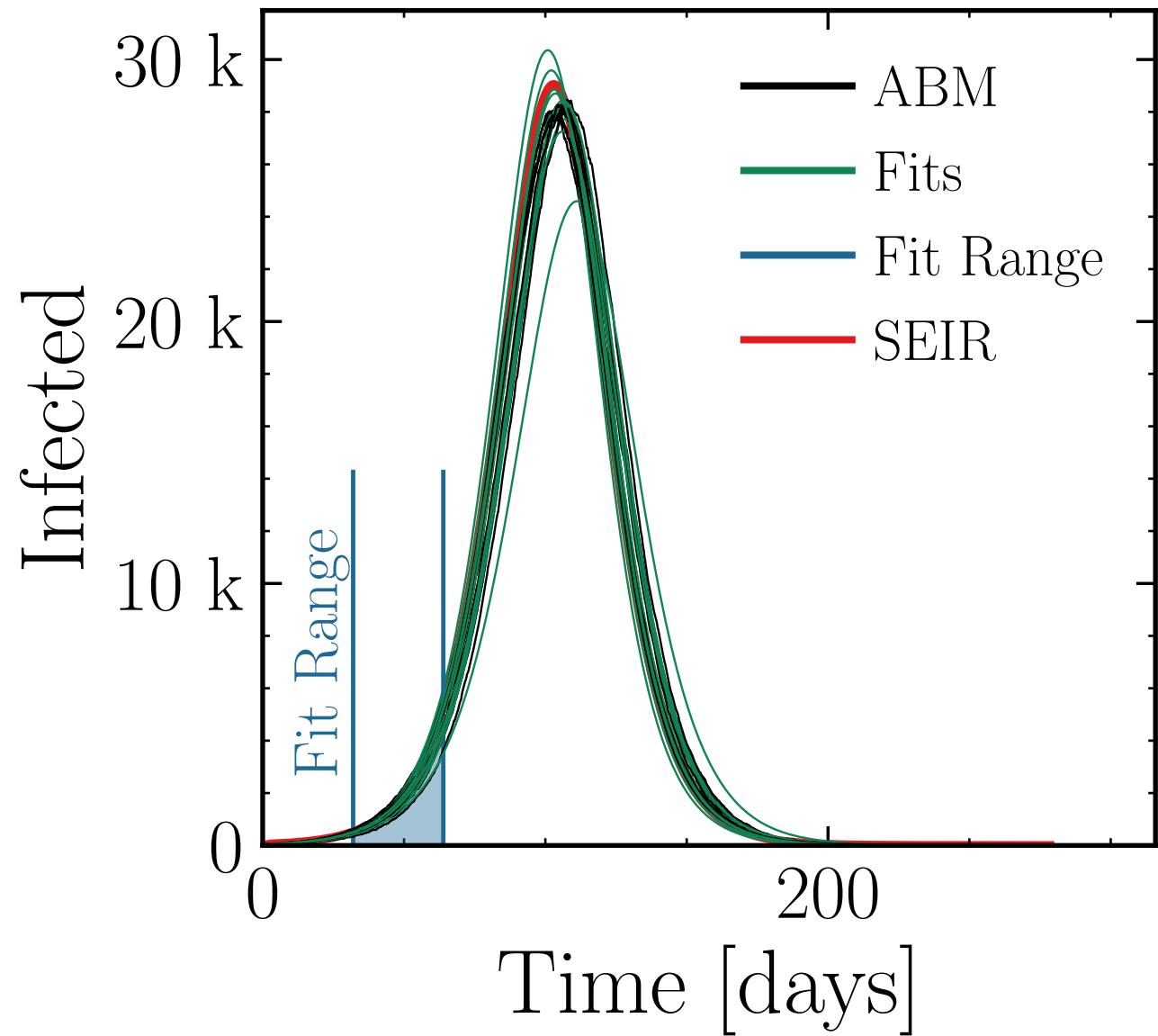
$$I_{\text{max}}^{\text{fit}} = (28.2 \pm 1.6\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1 \pm 0.018$$

$$\text{v.} = 1.0, \text{hash} = 4ee59ea641, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (368 \pm 0.63\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.005 \pm 0.0065$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , 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> = 40, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

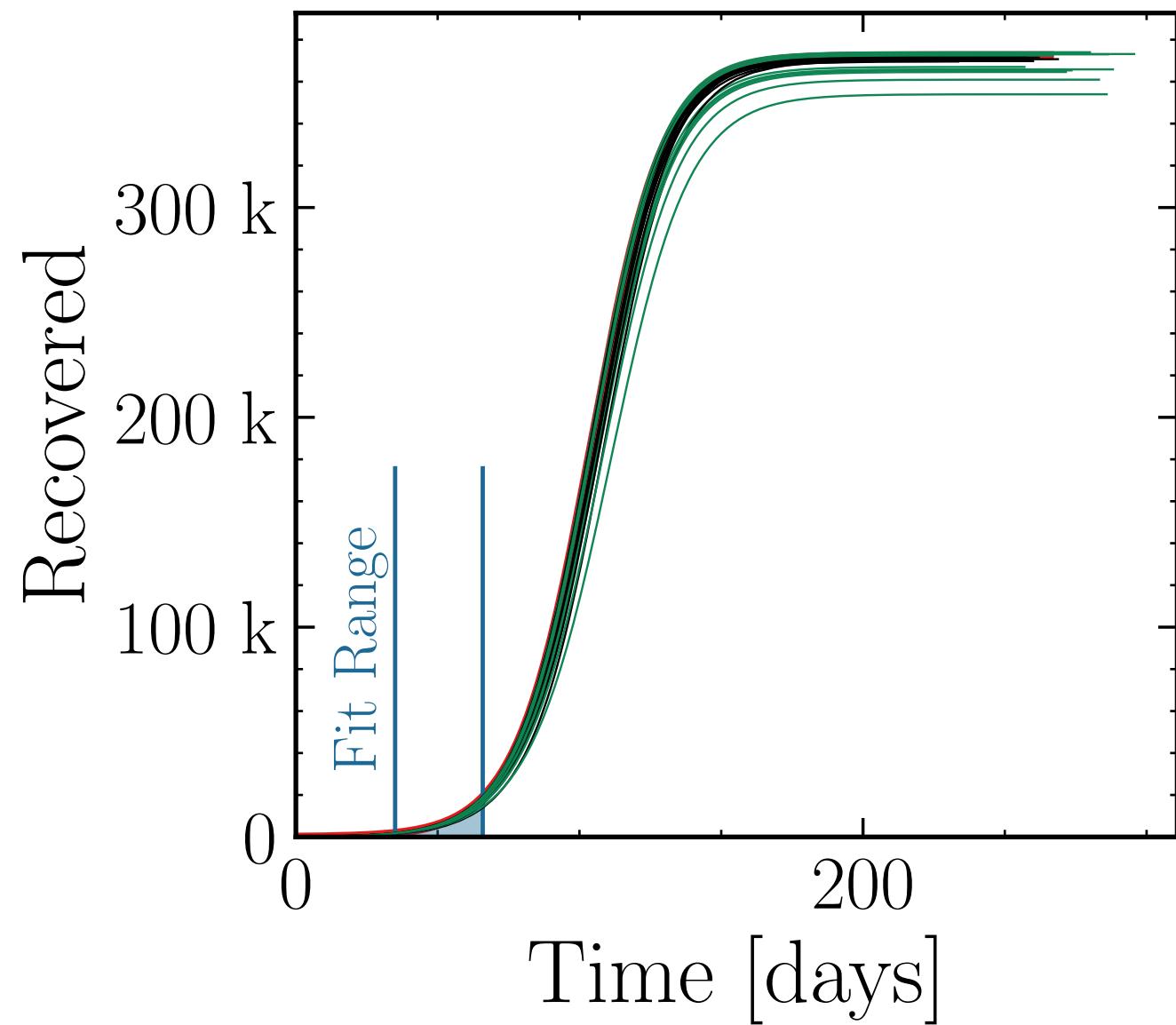
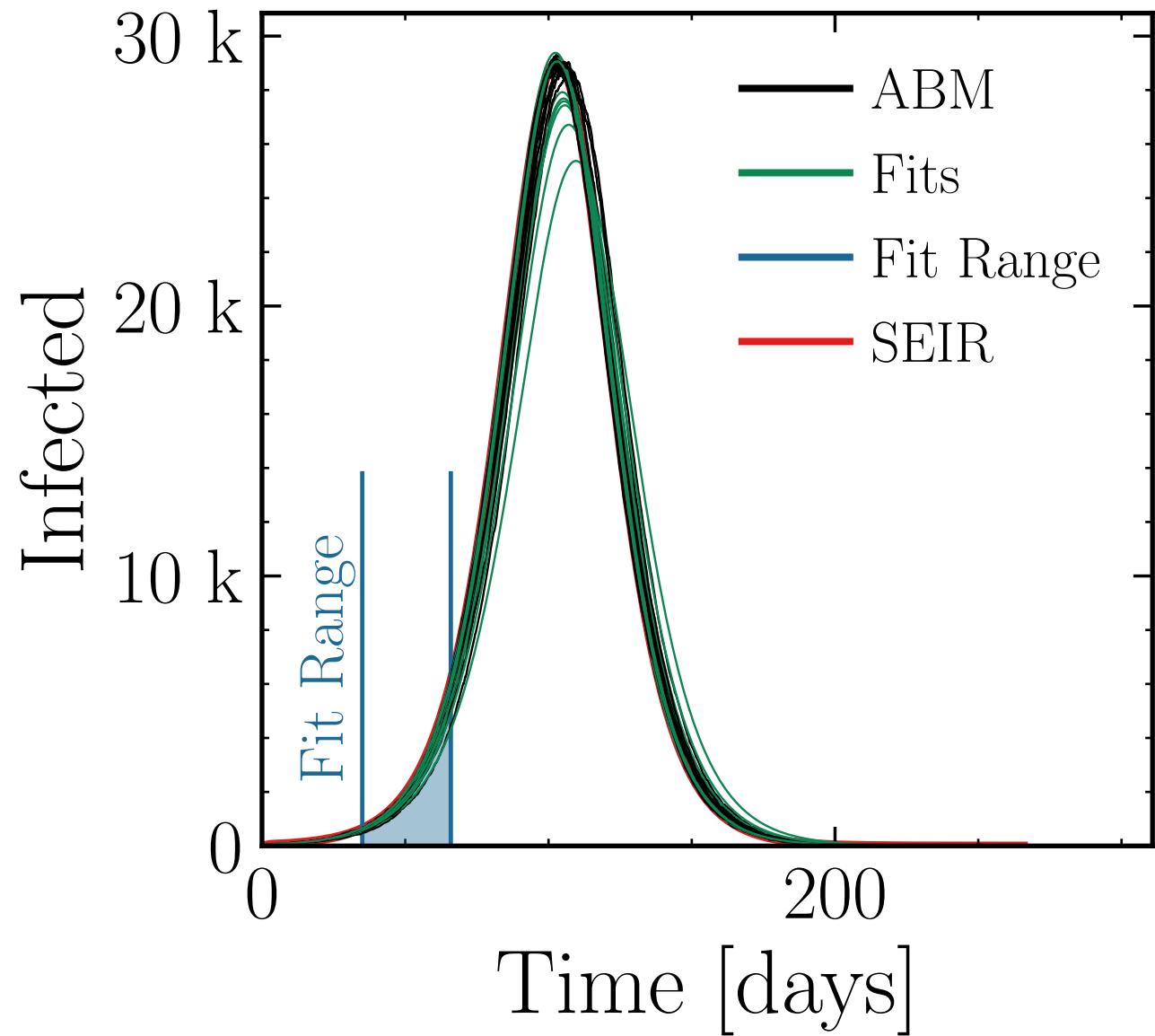
$$I_{\text{max}}^{\text{fit}} = (28 \pm 1.4\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 0.96 \pm 0.01$$

$$\text{v.} = 1.0, \text{hash} = 74dc38f856\#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (367 \pm 0.53\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 0.99 \pm 0.005$$



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

$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

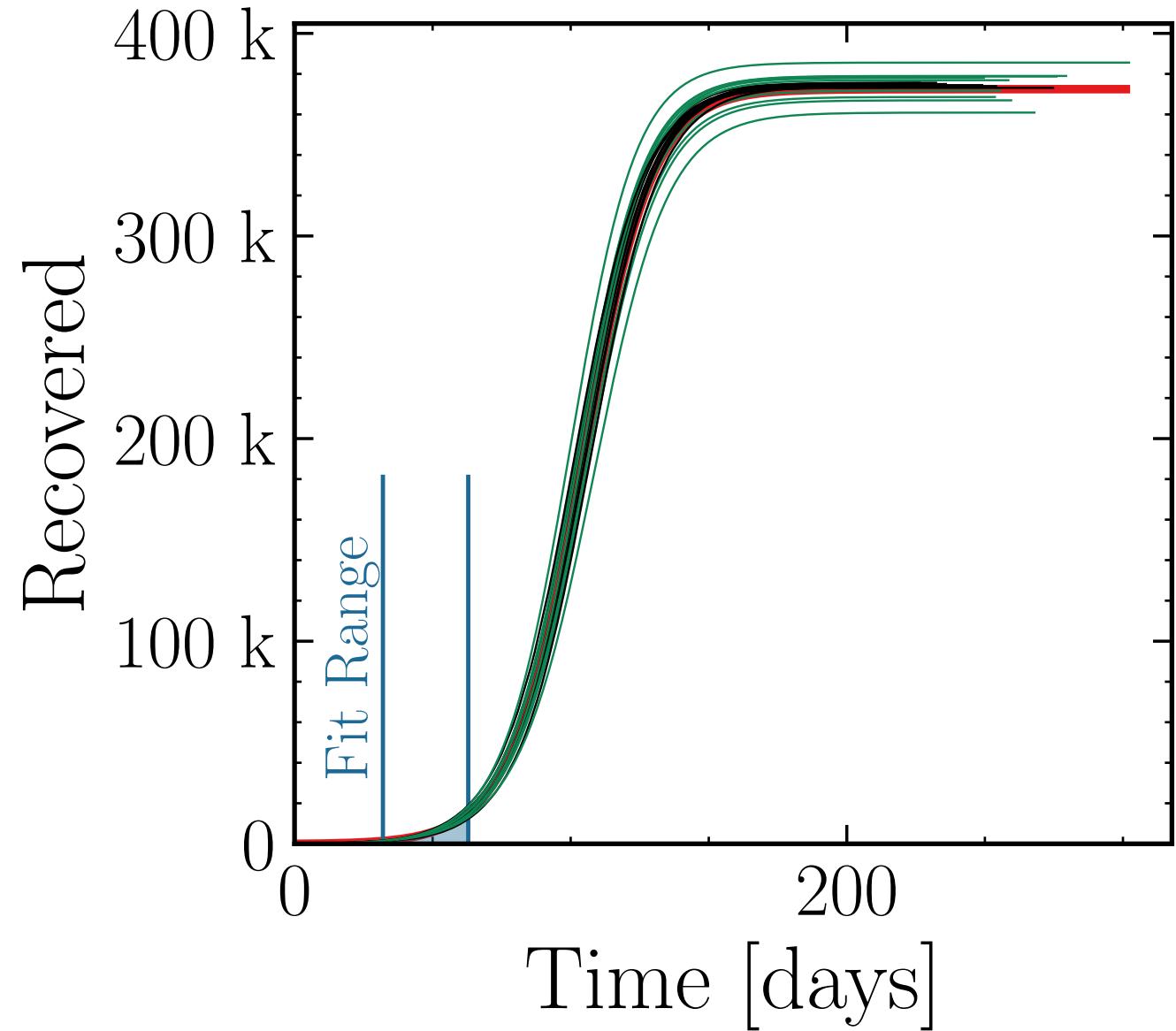
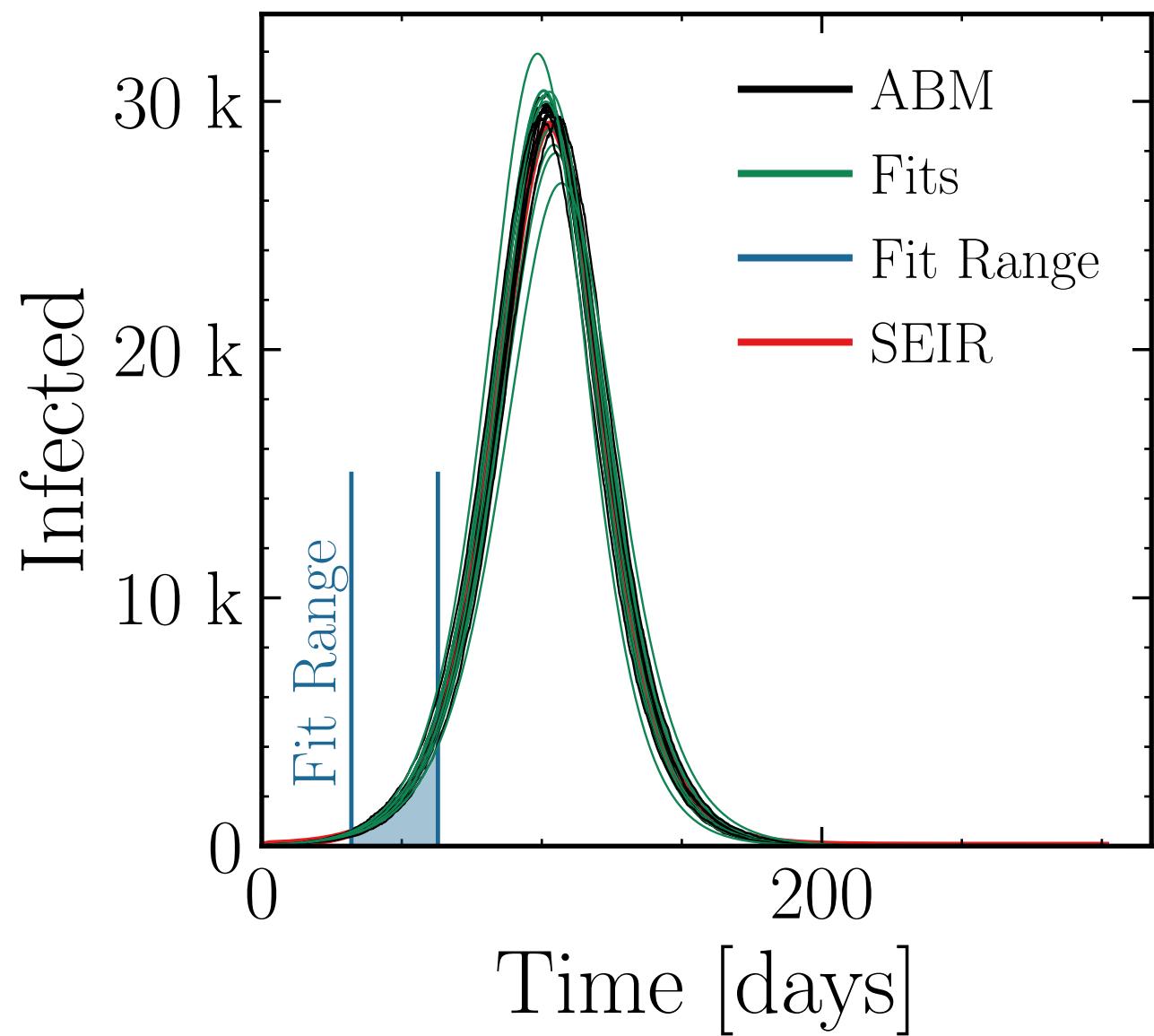
$N_{\text{events}} = 1K$ , event<sub>size<sub>max</sub></sub> = 50, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{max}}^{\text{fit}} = (29.5 \pm 1.6\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 0.99 \pm 0.02 \quad v. = 1.0, \text{hash} = \text{f455df2193}\#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (375 \pm 0.59\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1 \pm 0.0060$$



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

$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

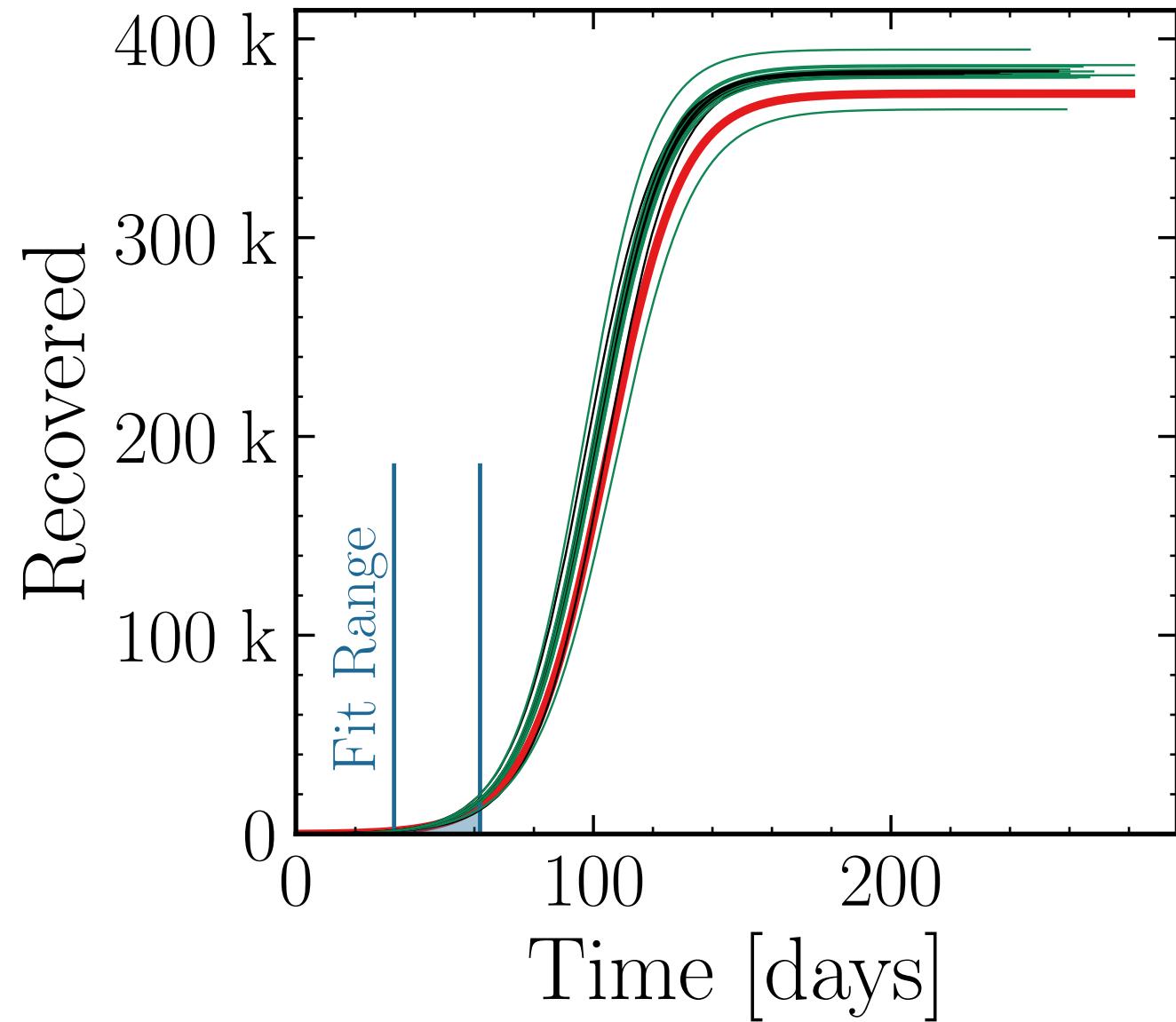
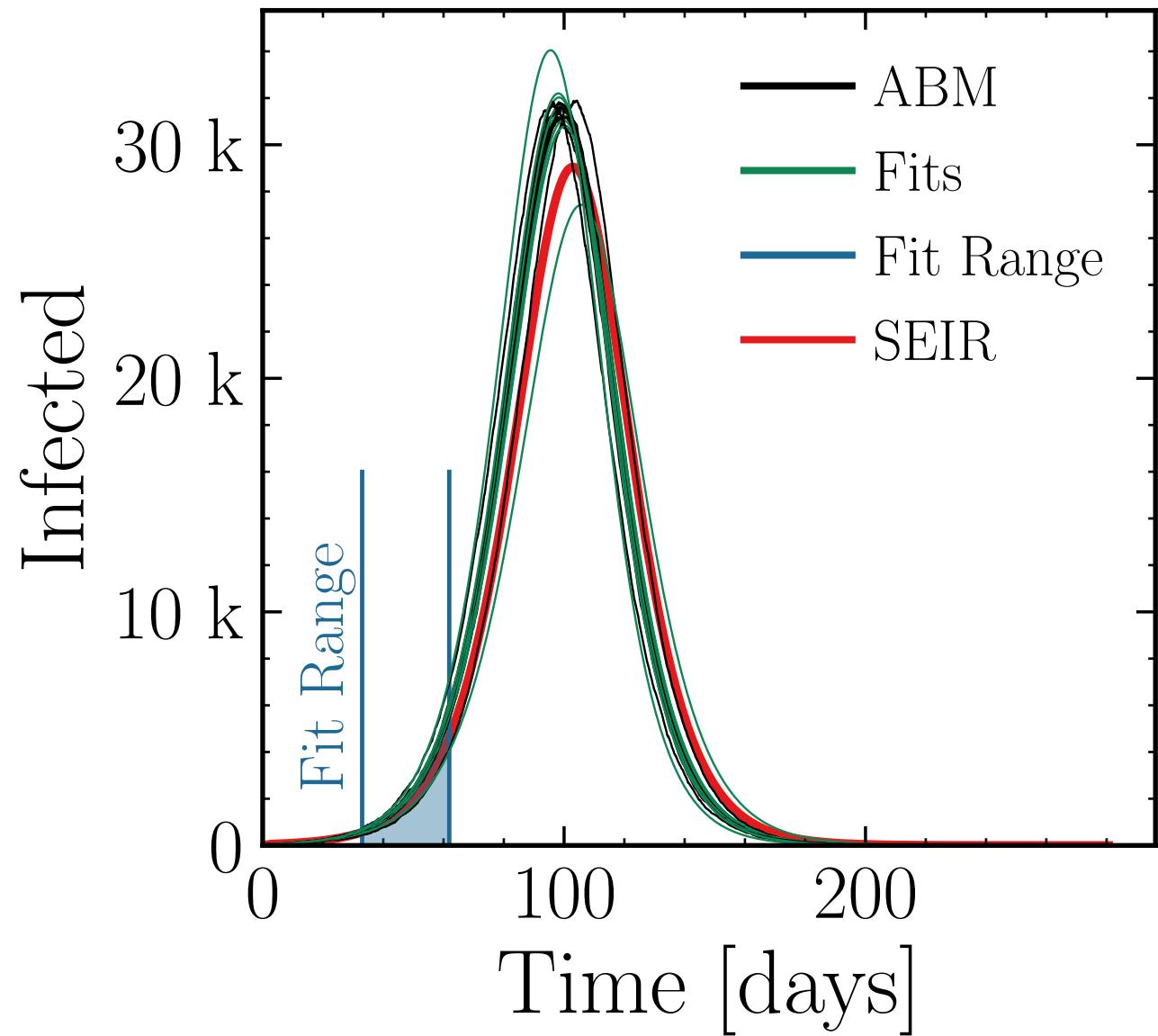
$N_{\text{events}} = 1K$ , event<sub>size<sub>max</sub></sub> = 75, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{max}}^{\text{fit}} = (31.3 \pm 1.6\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 0.99 \pm 0.02 \quad v. = 1.0, \text{hash} = b8ba17b95b, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (383 \pm 0.59\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 0.999 \pm 0.006$$



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

$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

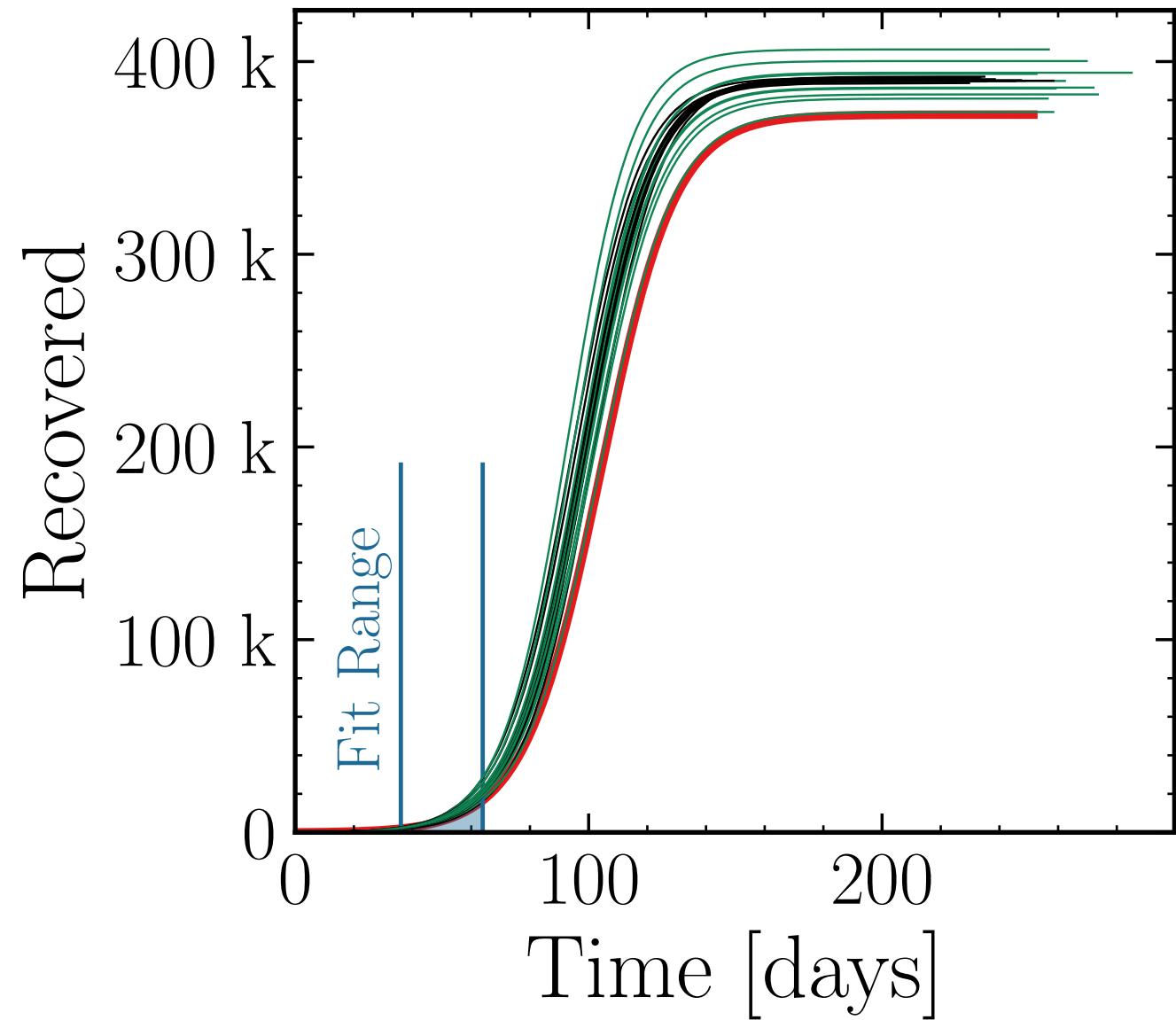
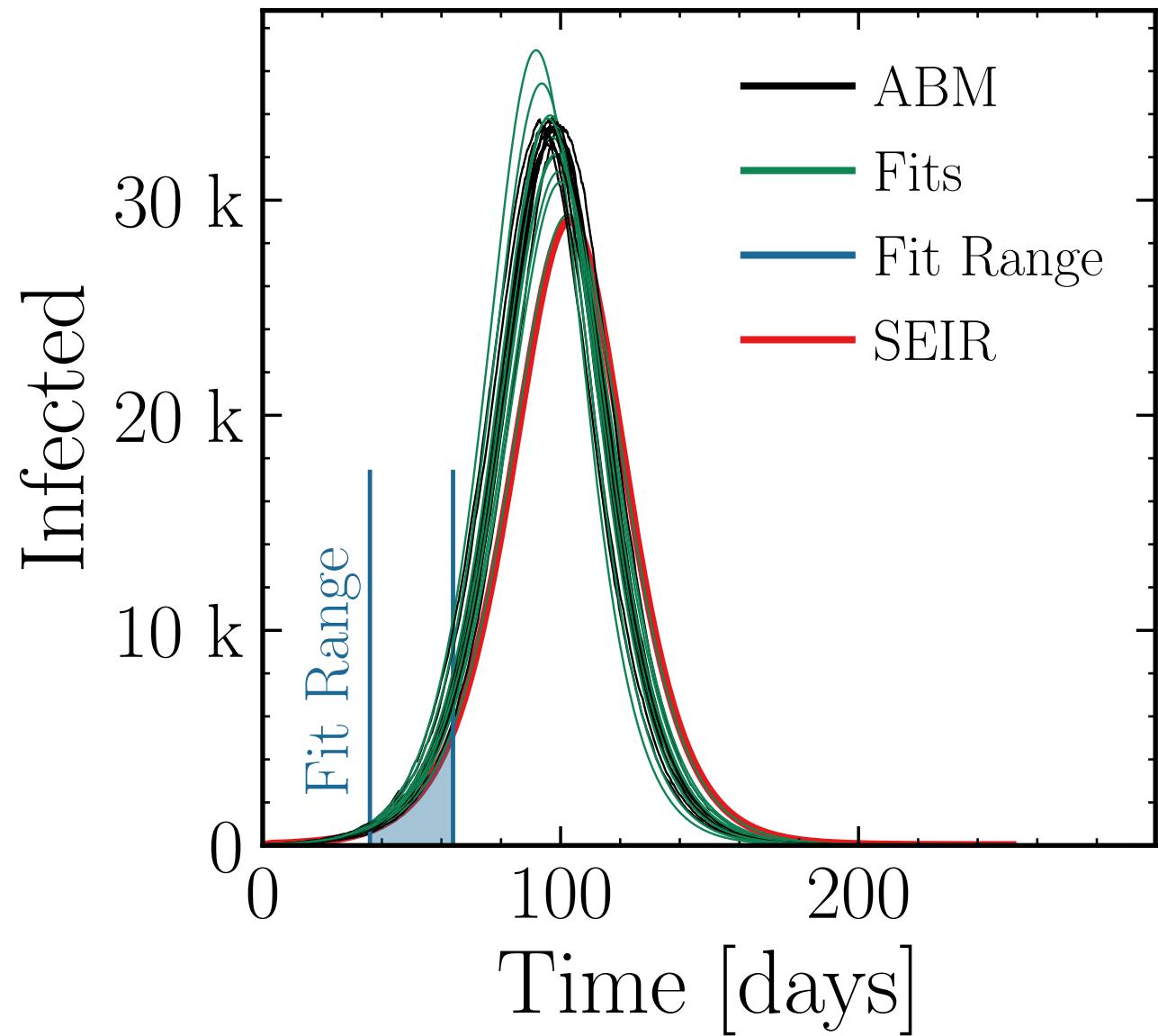
$N_{\text{events}} = 1K$ , event<sub>size<sub>max</sub></sub> = 100, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$$I_{\text{max}}^{\text{fit}} = (32.9 \pm 2.1\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 0.98 \pm 0.02 \quad v. = 1.0, \text{hash} = \text{db7717d1c1}, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (389 \pm 0.74\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 0.997 \pm 0.008$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , 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> = 1, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

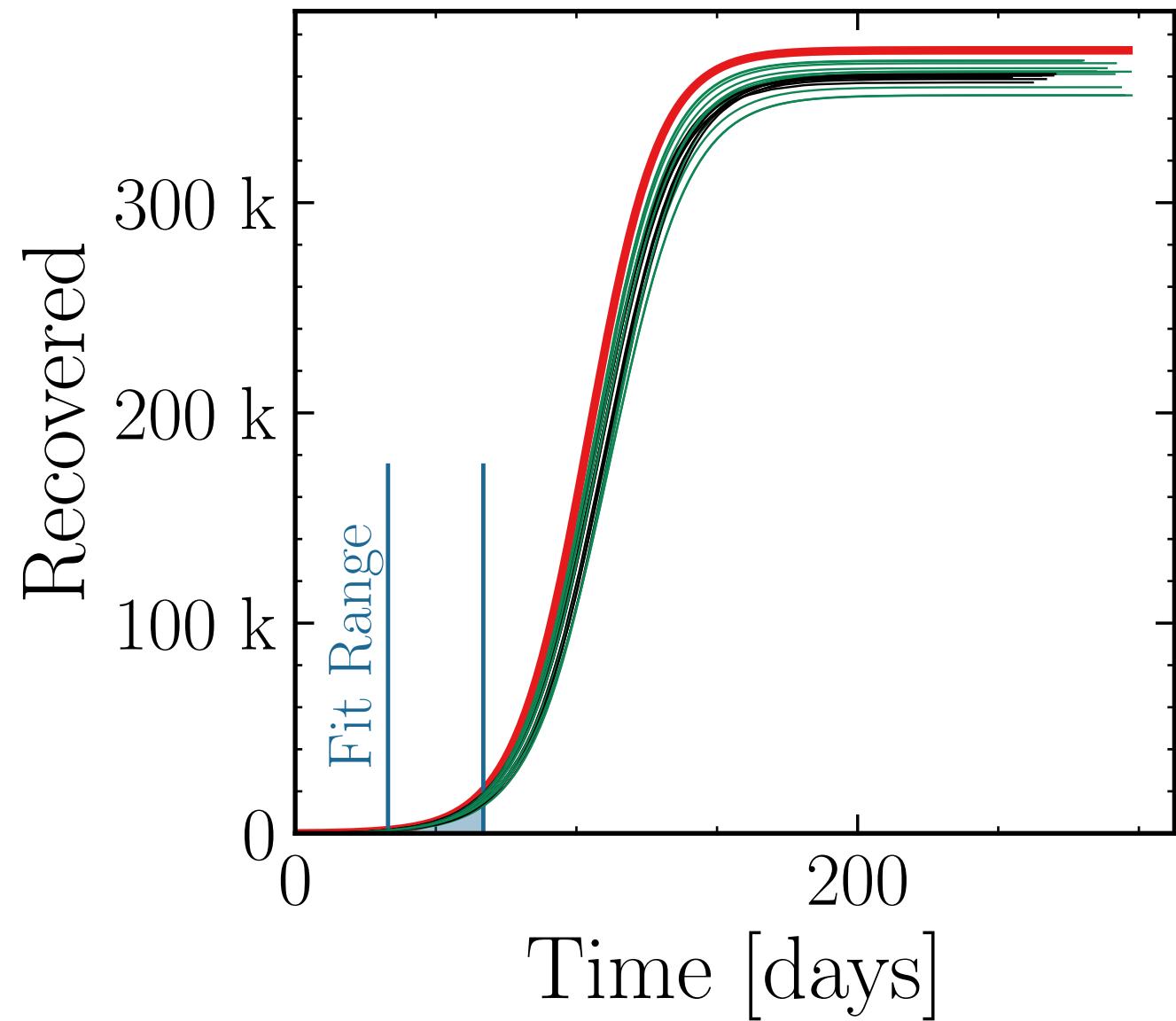
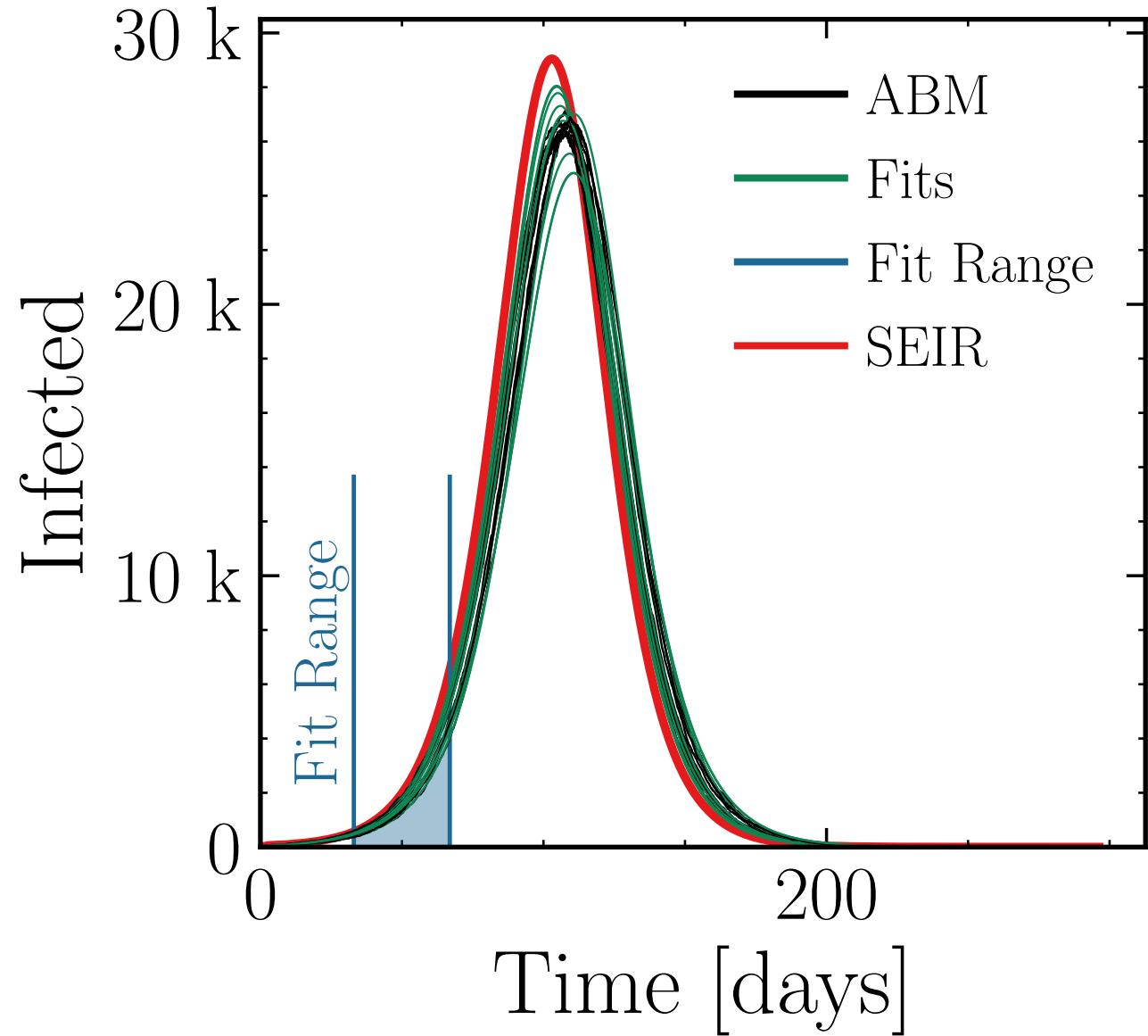
$$I_{\text{max}}^{\text{fit}} = (26.7 \pm 1.4\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1 \pm 0.015$$

$$v. = 1.0, \text{hash} = d7c2d1ee60, \#10$$

$$R_{\infty}^{\text{fit}} = (361 \pm 0.53\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.003 \pm 0.0057$$



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

$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

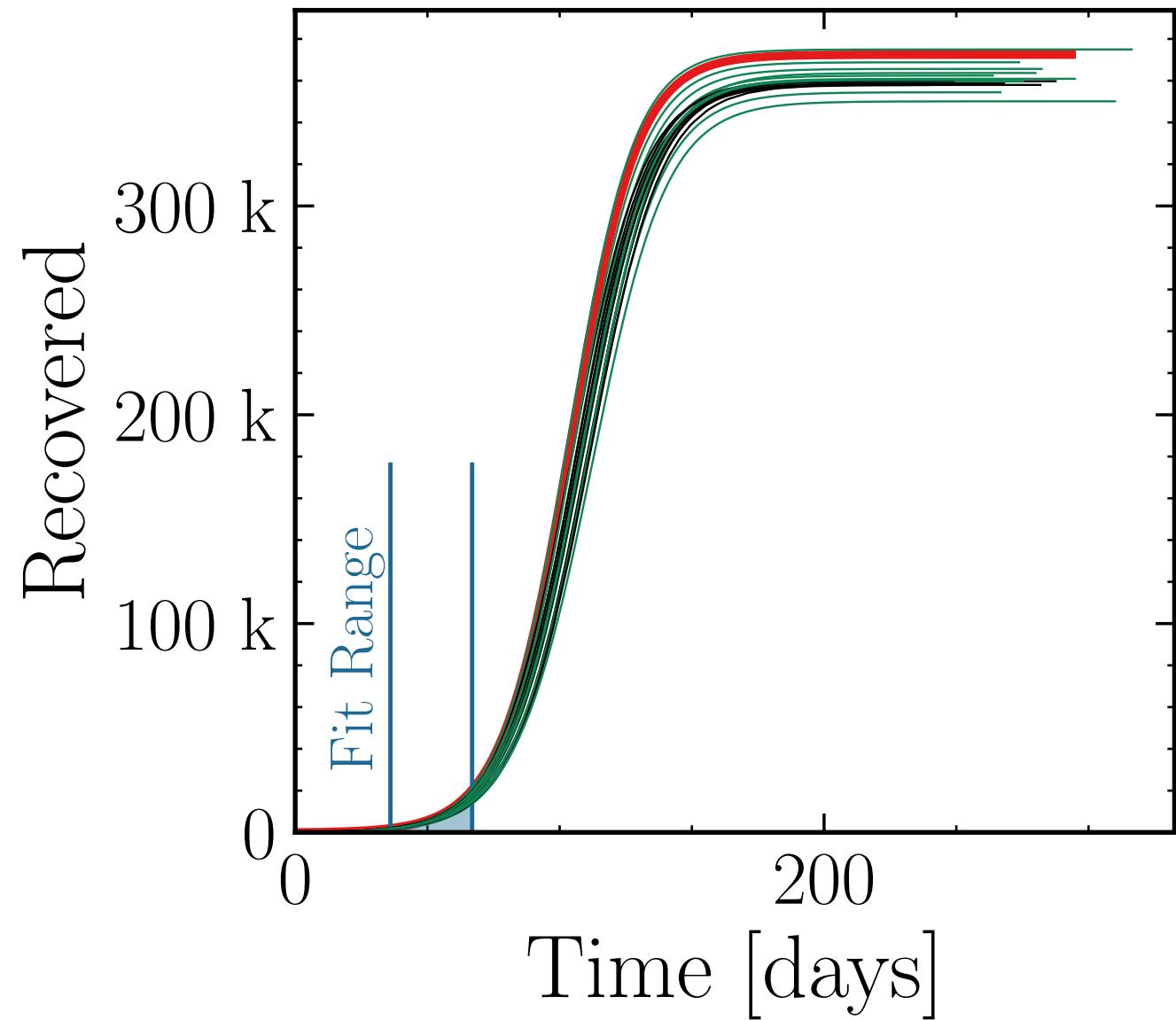
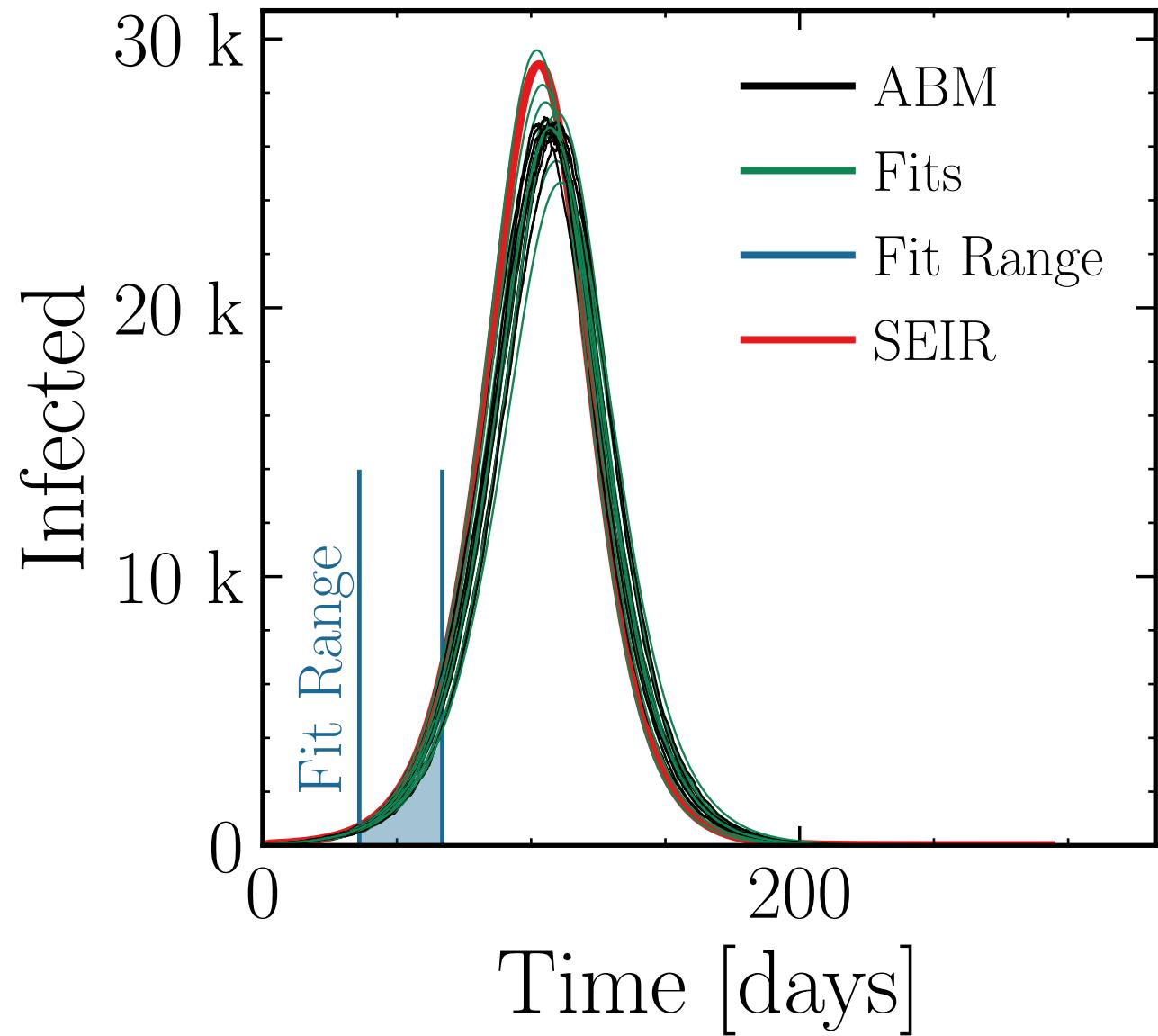
$N_{\text{events}} = 10K$ , event<sub>size<sub>max</sub></sub> = 2, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{max}}^{\text{fit}} = (27 \pm 1.5\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1.01 \pm 0.014 \quad v. = 1.0, \text{hash} = 7524ab6bb5, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (362 \pm 0.58\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.008 \pm 0.0055$$



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

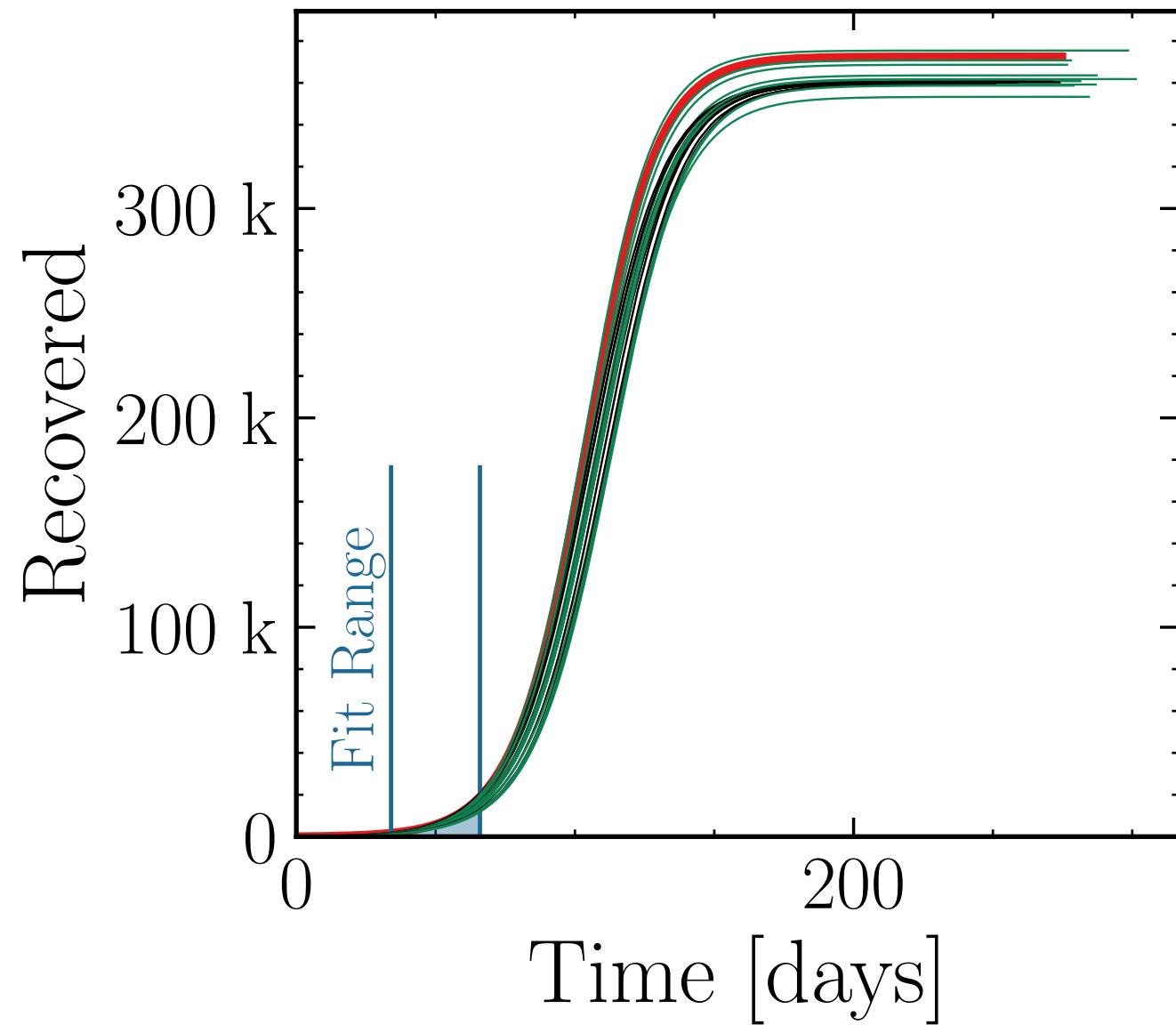
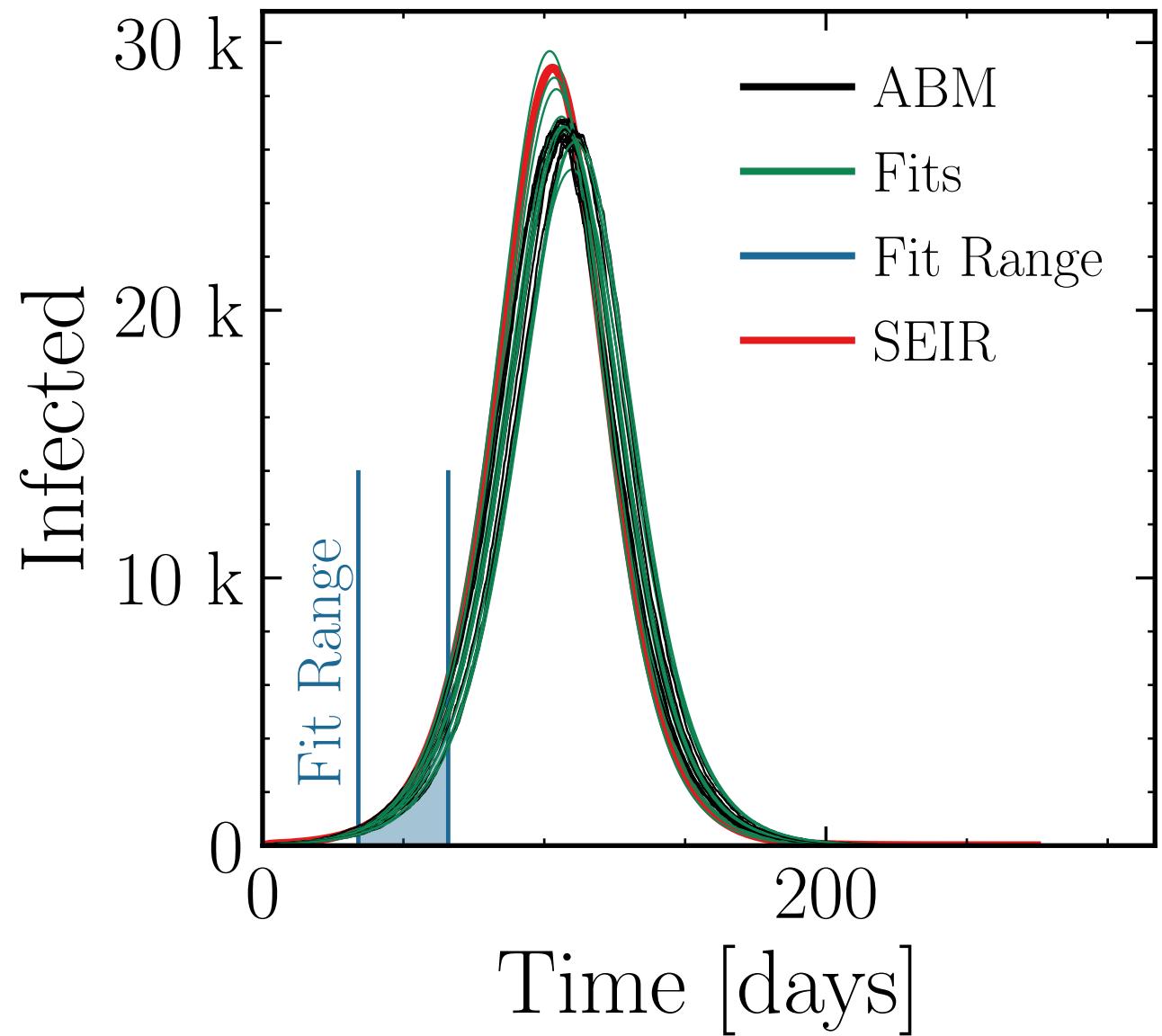
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 10K$ , event<sub>size<sub>max</sub></sub> = 3, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{max}}^{\text{fit}} = (27.2 \pm 1.4\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1.02 \pm 0.016 \quad v. = 1.0, \text{hash} = \text{ea8d5e10d2}\#\#10, R_{\infty}^{\text{fit}} = (363 \pm 0.54\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.009 \pm 0.0051$$



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

$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

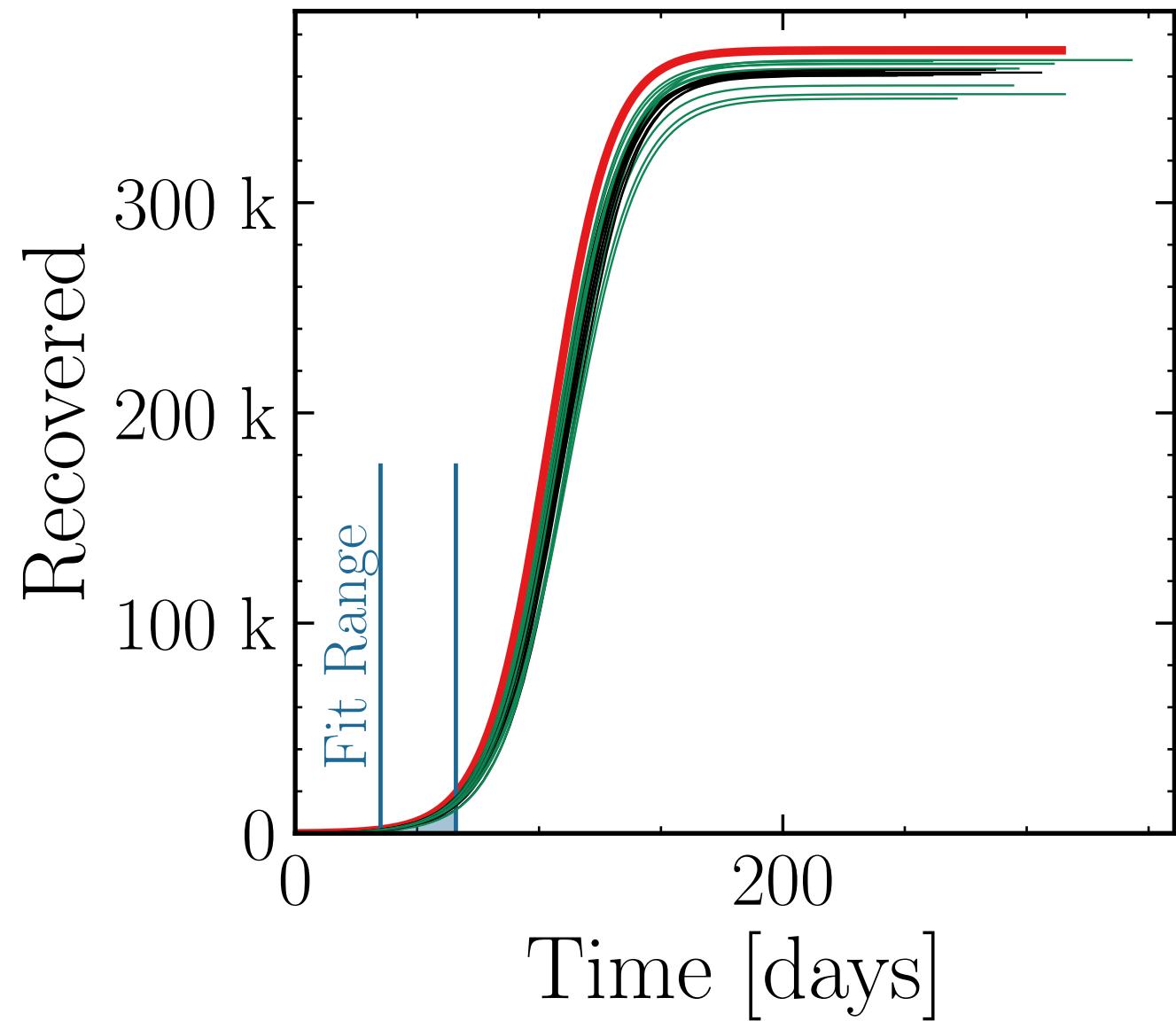
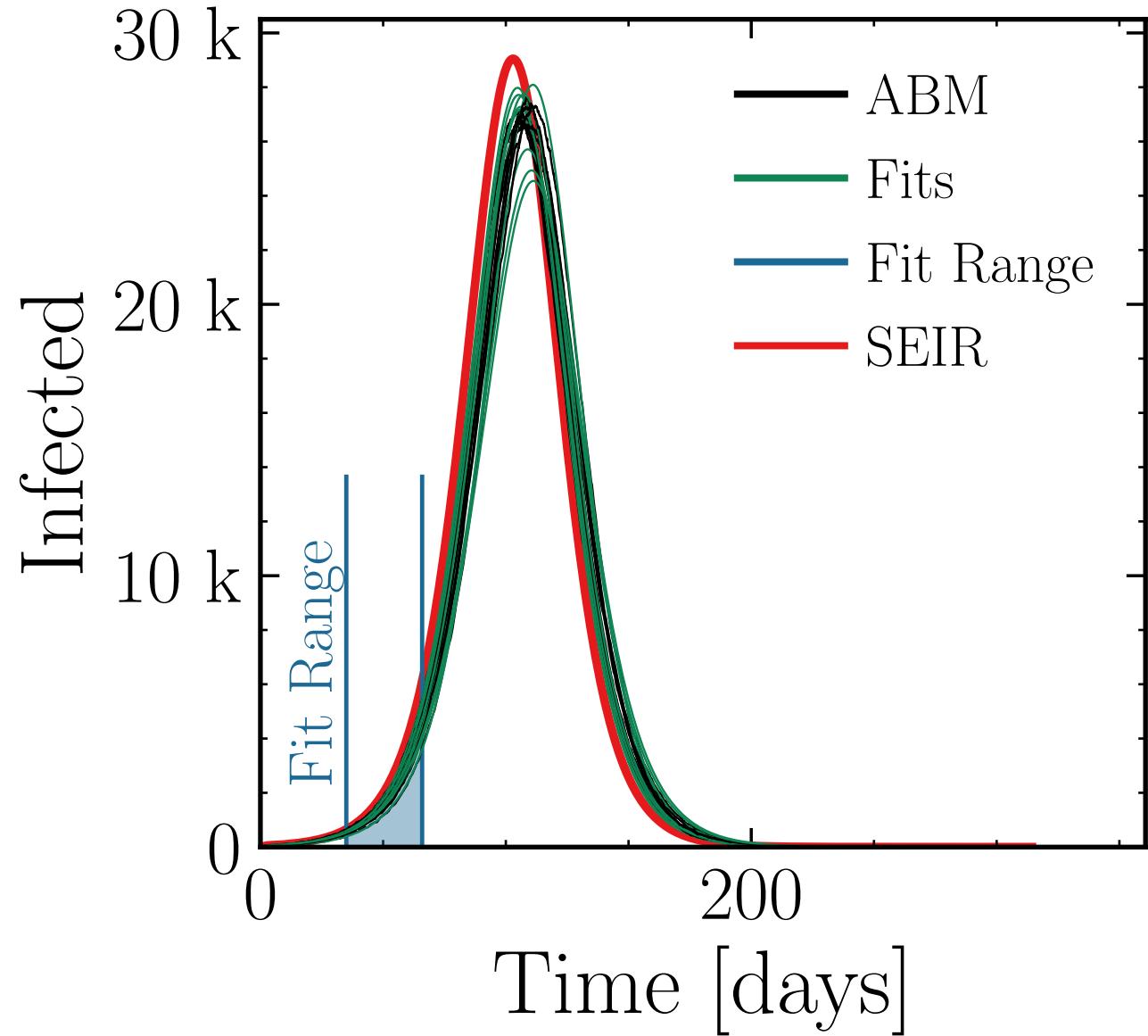
$N_{\text{events}} = 10K$ , event<sub>size<sub>max</sub></sub> = 4, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{max}}^{\text{fit}} = (26.8 \pm 1.4\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 0.99 \pm 0.01 \quad v. = 1.0, \text{hash} = 08137d4382, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (361 \pm 0.56\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 0.9996 \pm 0.0057$$



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

$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

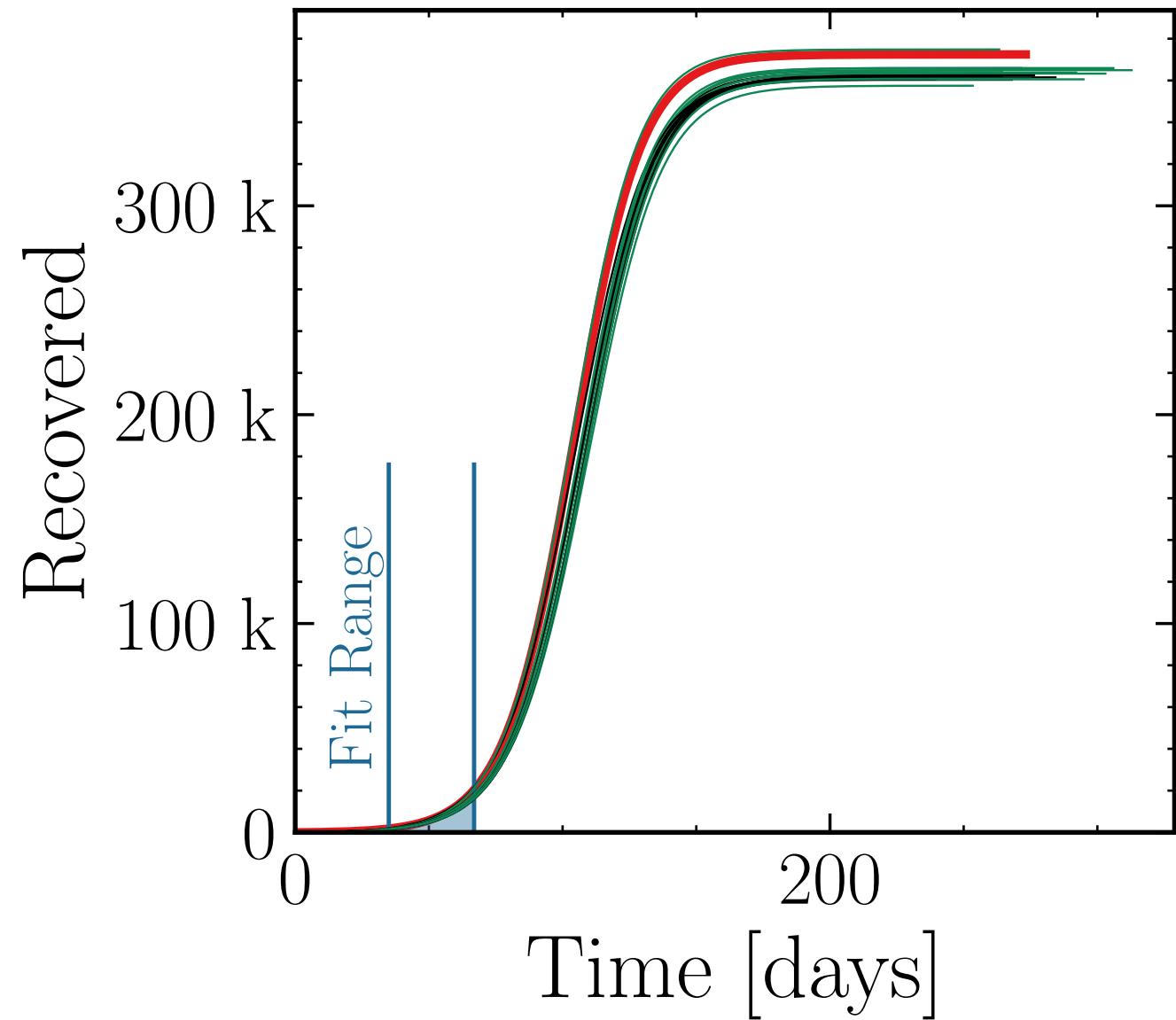
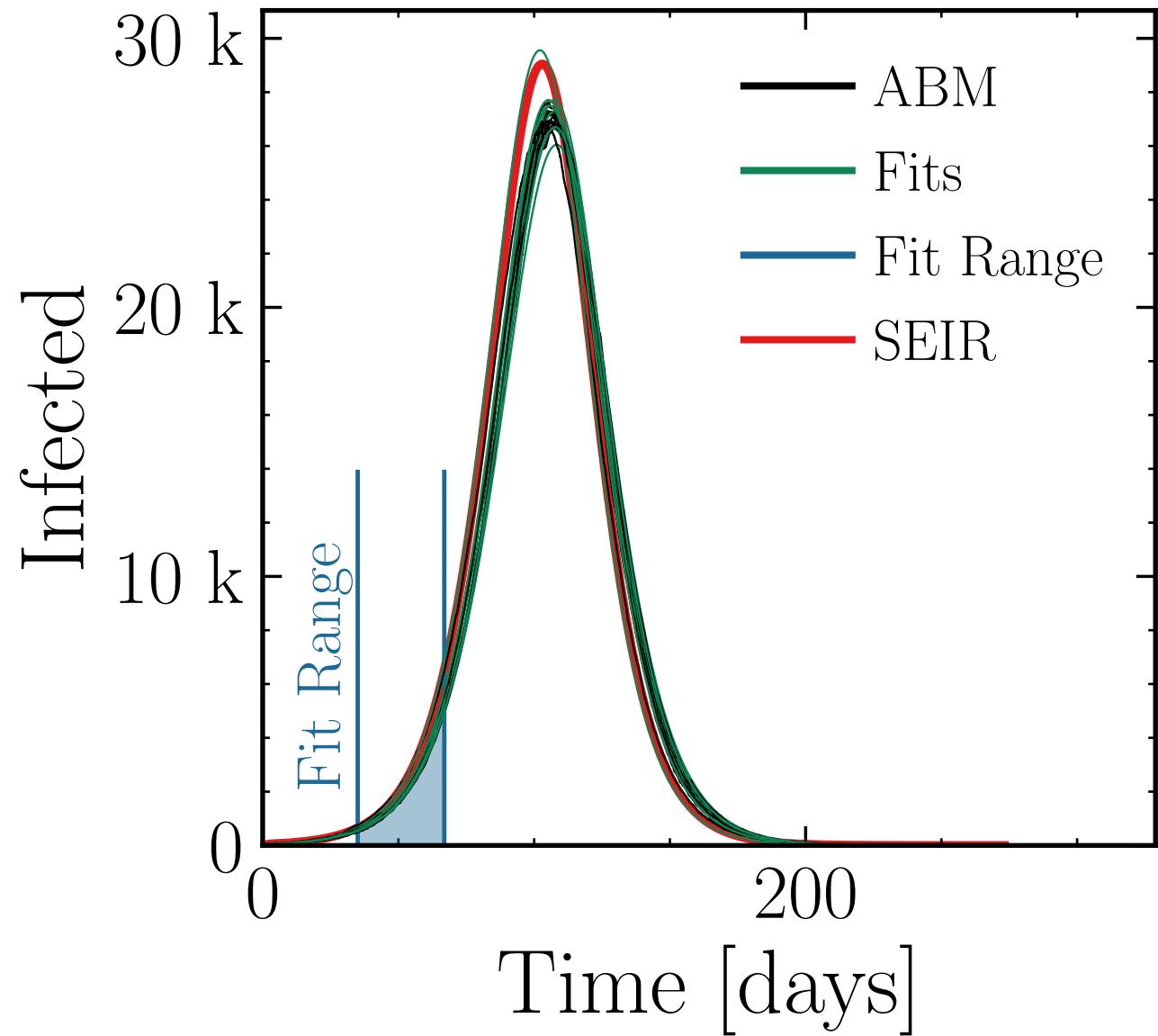
$N_{\text{events}} = 10K$ , event<sub>size<sub>max</sub></sub> = 5, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$I_{\text{max}}^{\text{fit}} = (27.4 \pm 1.0\%) \cdot 10^3$

$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1.01 \pm 0.011$  v. = 1.0, hash = 25b4144ea7, #10

$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (364 \pm 0.38\%) \cdot 10^3$

$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.007 \pm 0.0040$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , 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> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

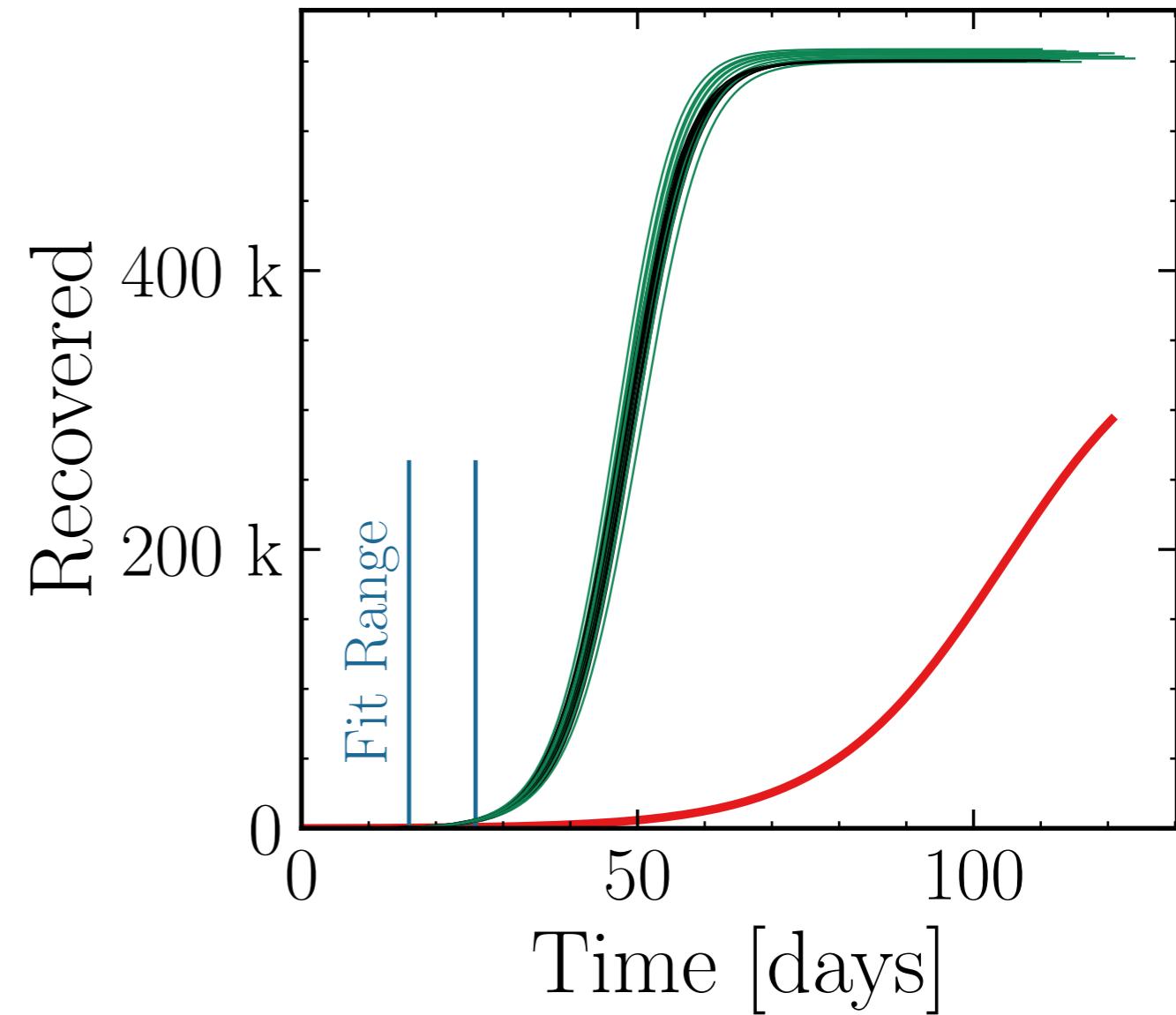
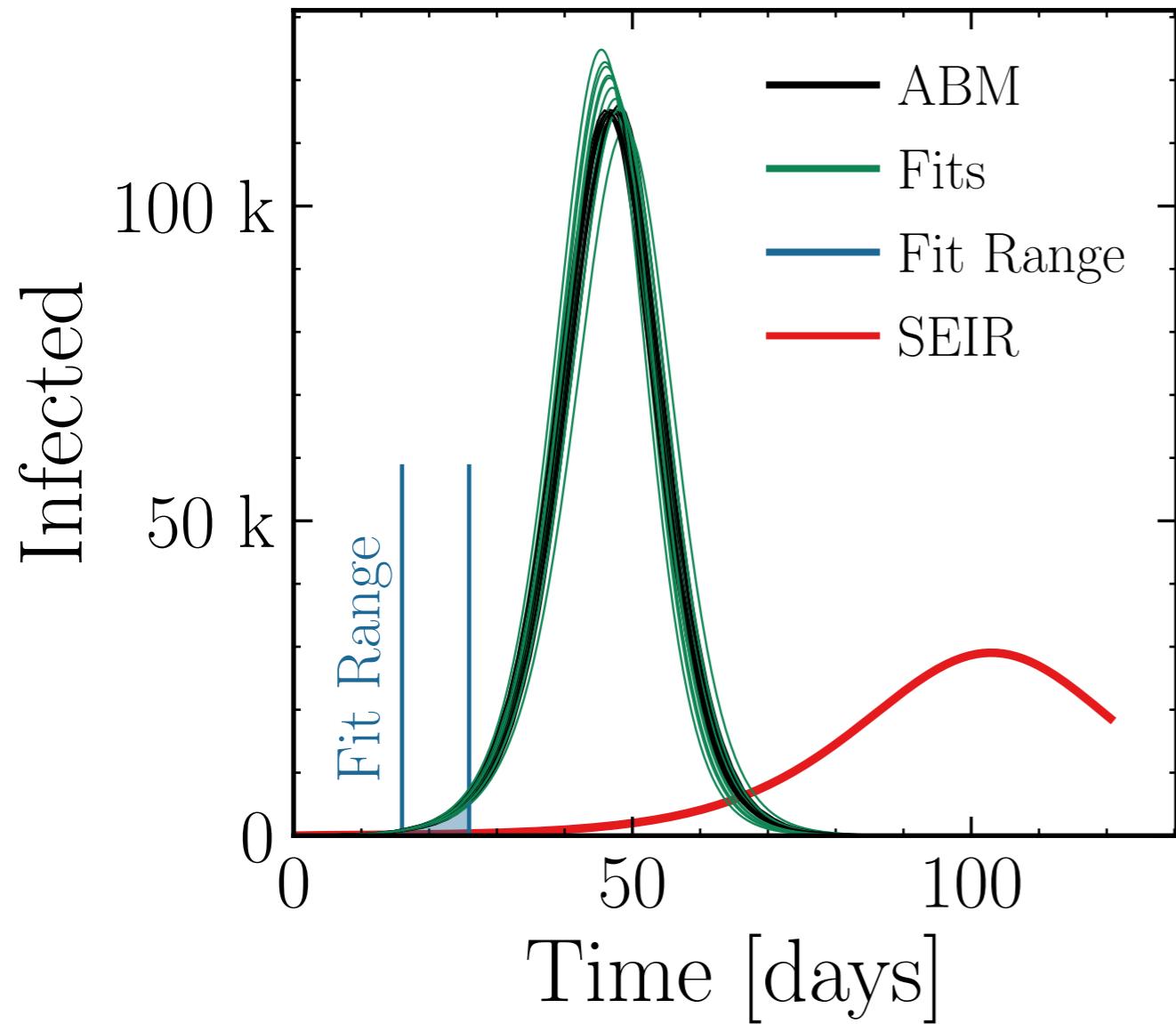
$$I_{\text{max}}^{\text{fit}} = (119 \pm 1.0\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1.03 \pm 0.011$$

$$\text{v.} = 1.0, \text{hash} = 17fcda7a03, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (554.8 \pm 0.15\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.007 \pm 0.0017$$



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

$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

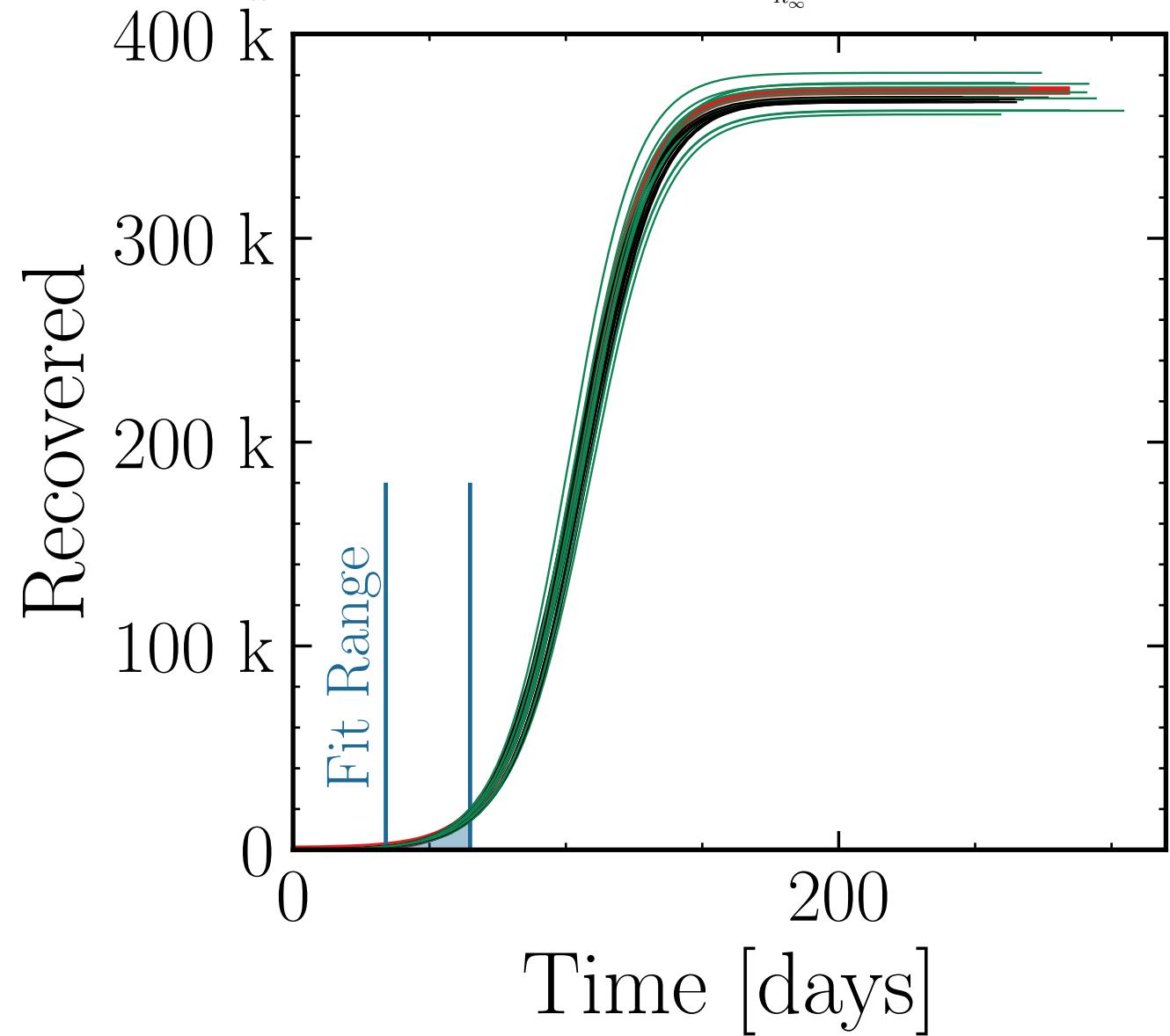
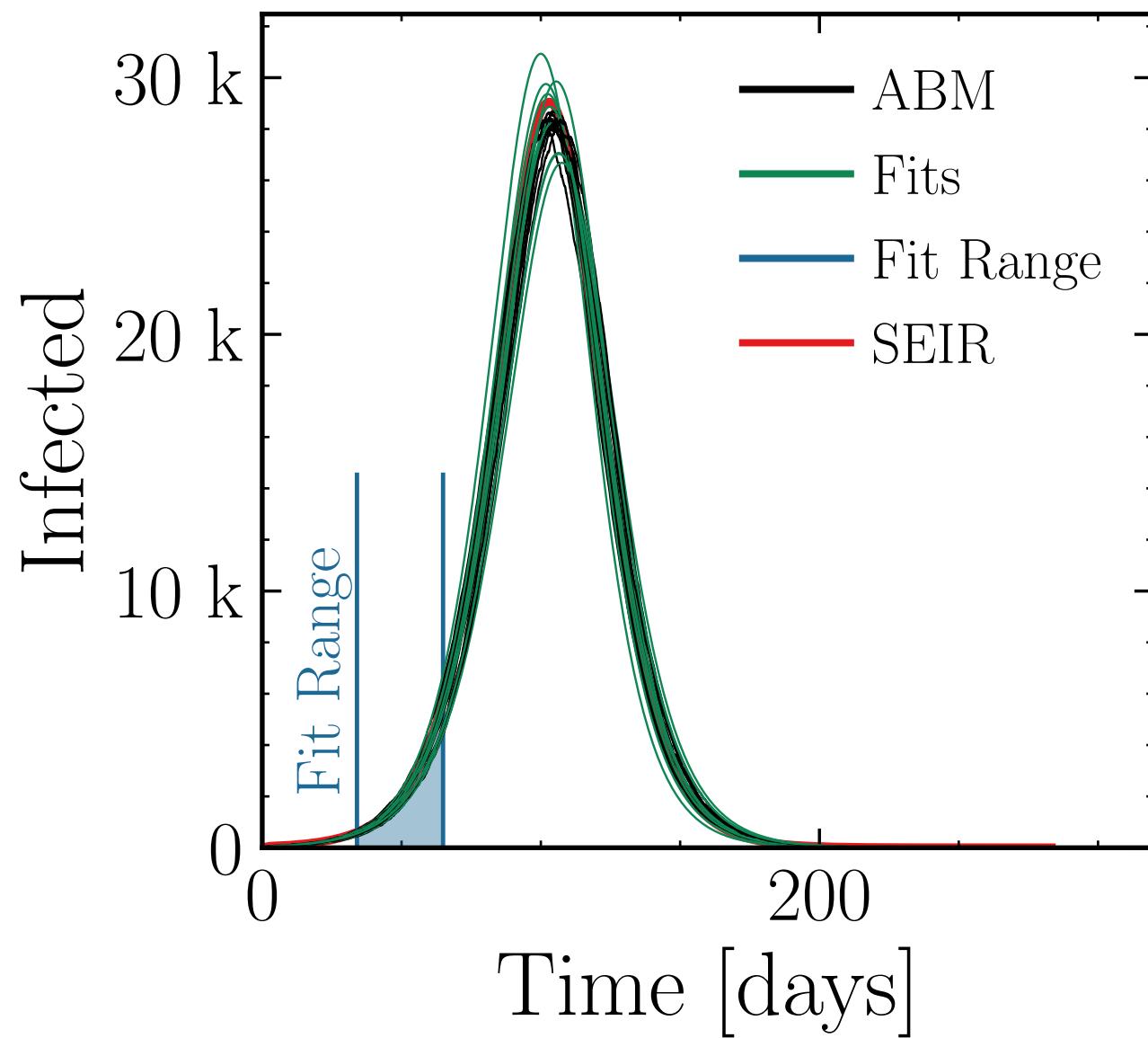
$N_{\text{events}} = 10K$ , event<sub>size<sub>max</sub></sub> = 10, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$$I_{\text{max}}^{\text{fit}} = (28.6 \pm 1.5\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1.01 \pm 0.017 \quad v. = 1.0, \text{ hash} = 4ee6a66c0a, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (370 \pm 0.55\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{fit}}} = 1.006 \pm 0.0058$$



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

$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

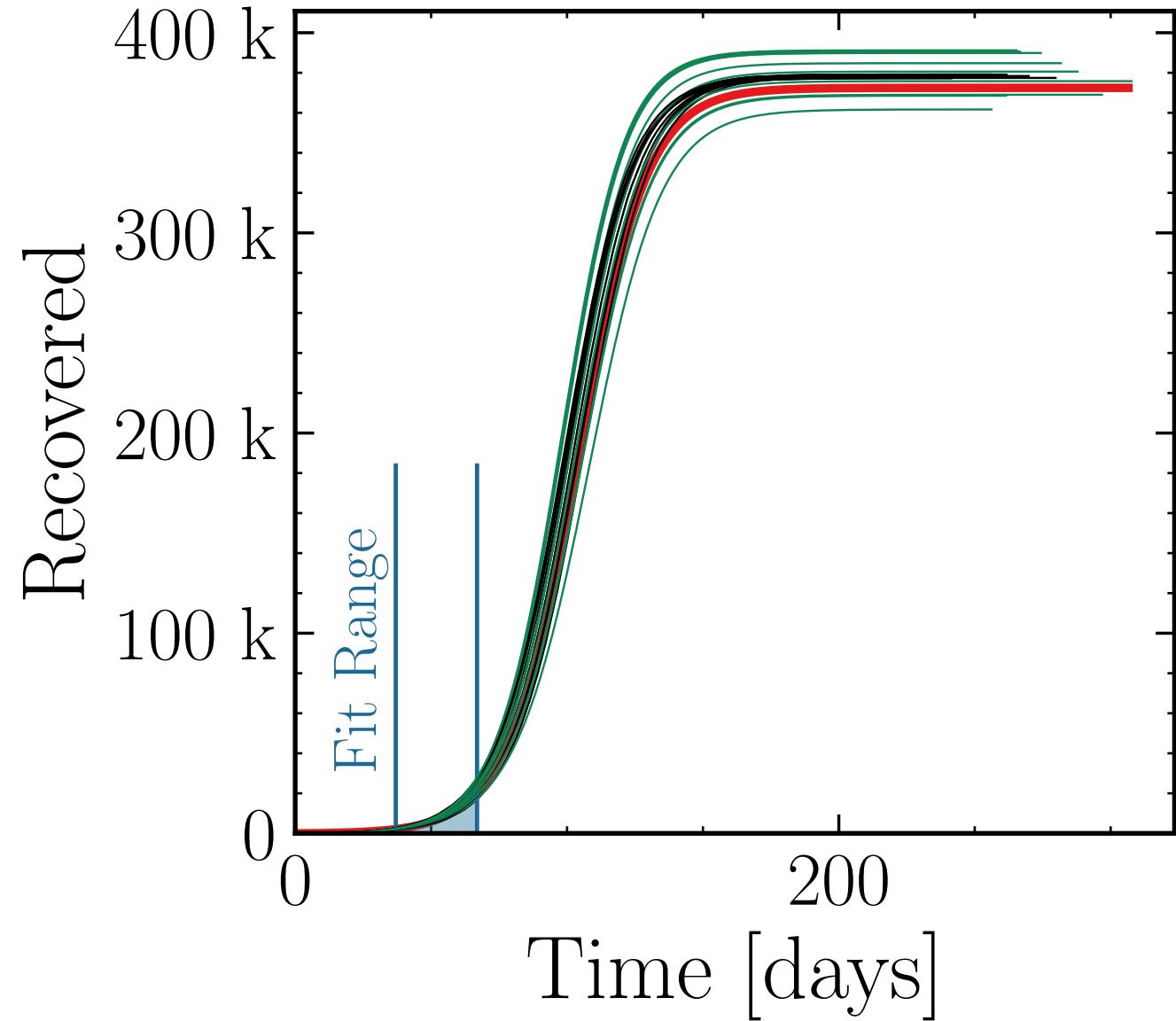
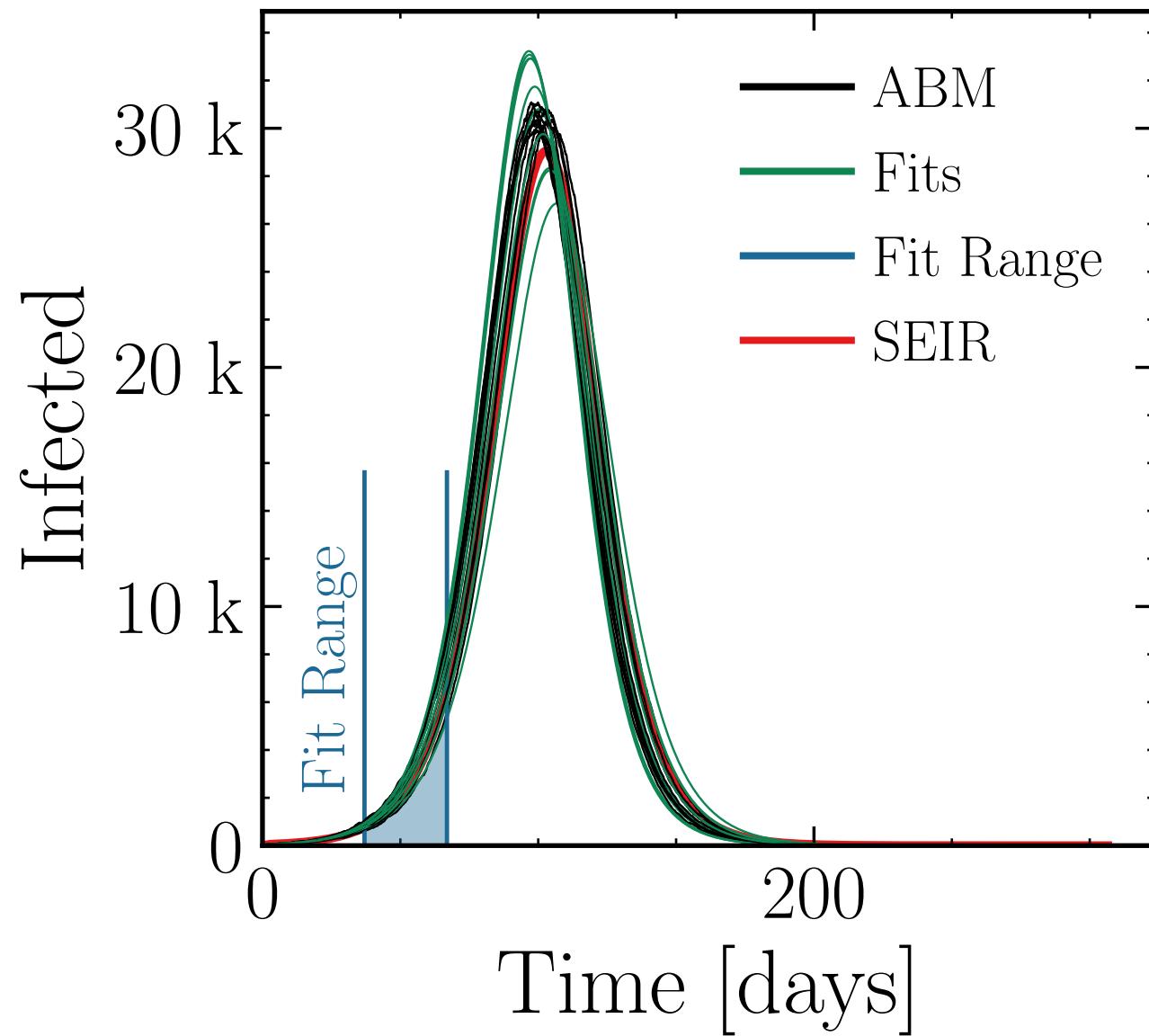
$N_{\text{events}} = 10K$ , event<sub>size<sub>max</sub></sub> = 15, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$$I_{\text{max}}^{\text{fit}} = (30.8 \pm 2.3\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1.01 \pm 0.024 \quad v. = 1.0, \text{ hash} = b92f154e46, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (380 \pm 0.86\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{fit}}} = 1.006 \pm 0.0086$$



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

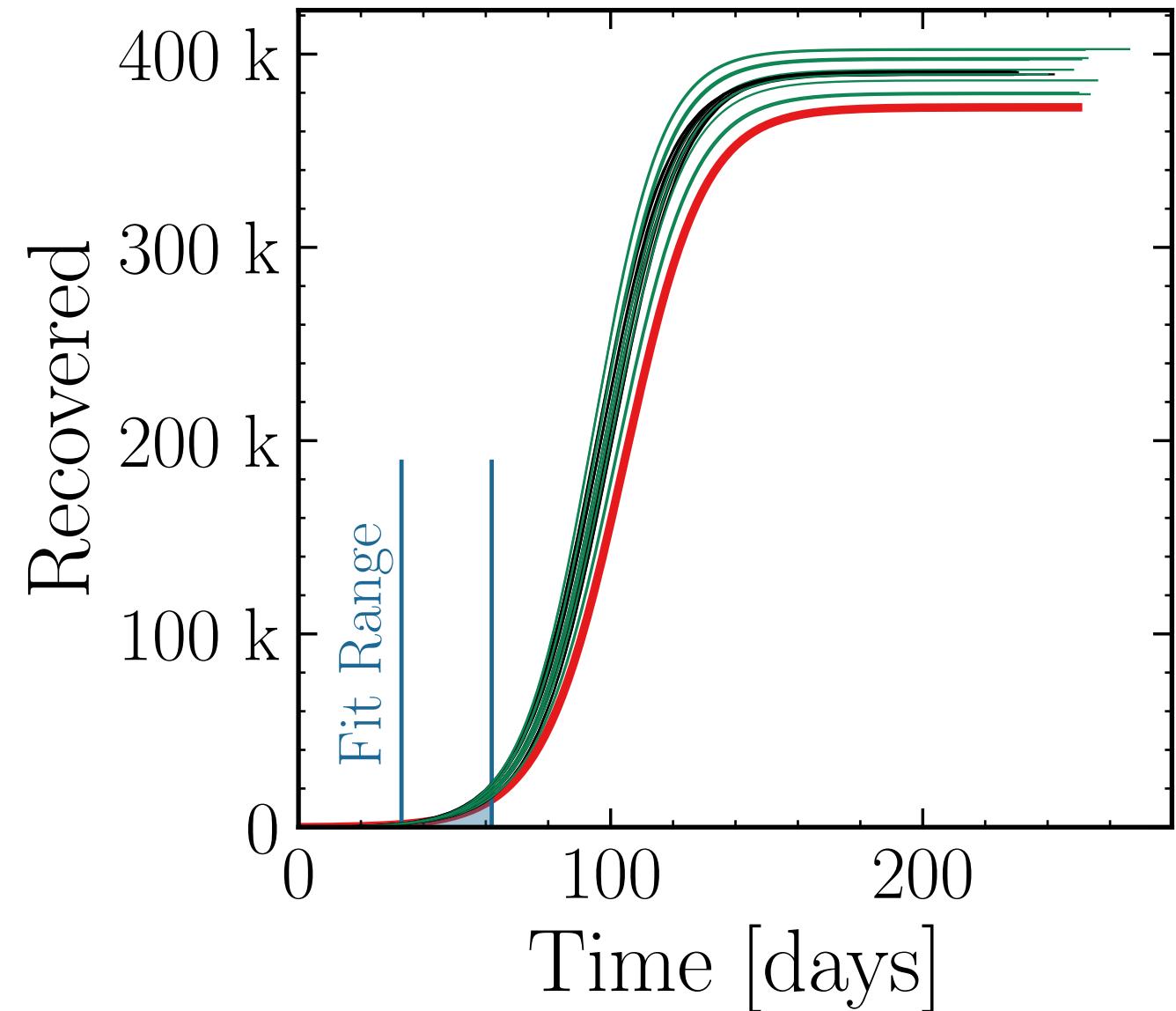
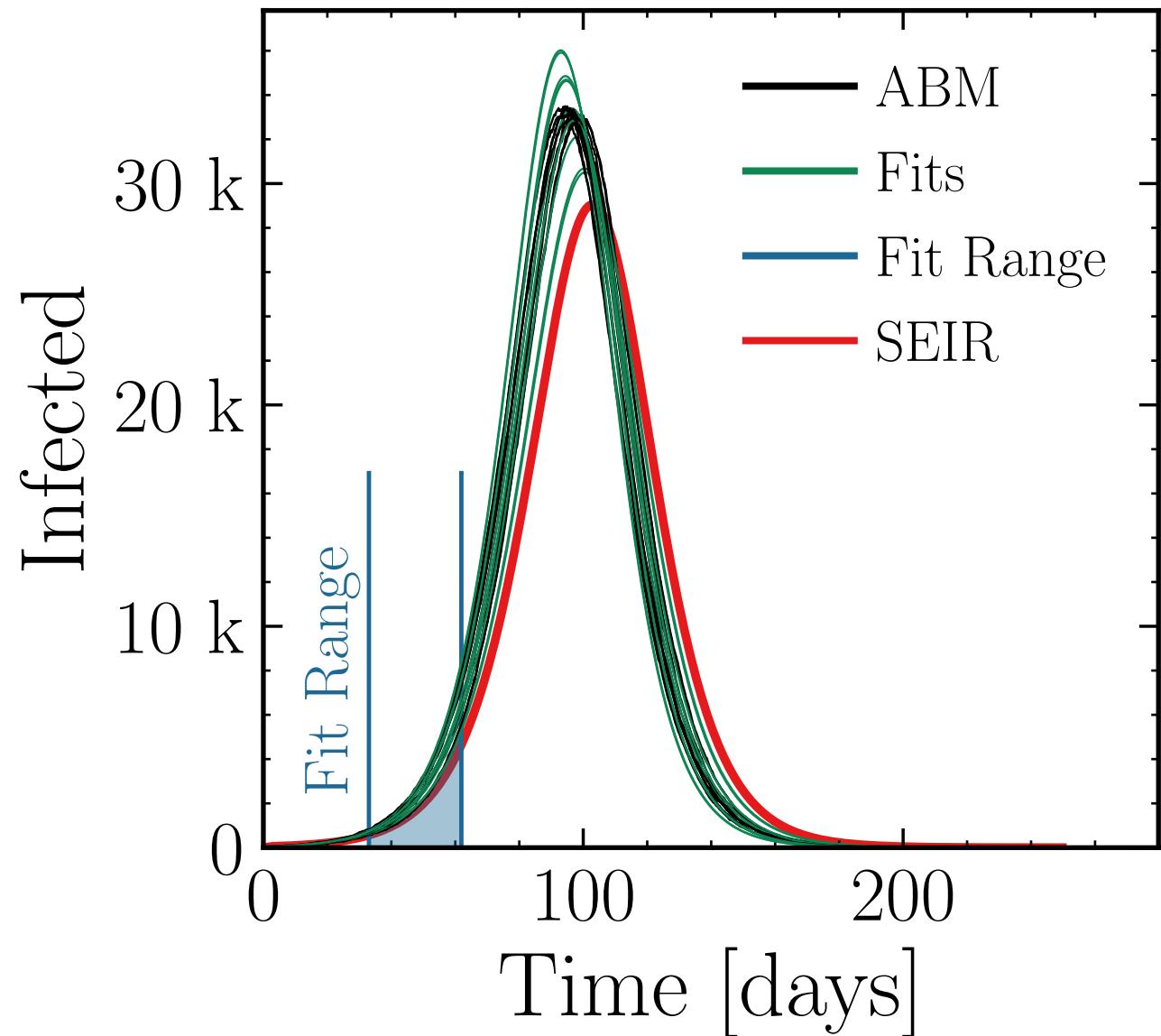
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 10K$ , event<sub>size<sub>max</sub></sub> = 20, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$$I_{\text{max}}^{\text{fit}} = (33.6 \pm 1.8\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1.01 \pm 0.017 \quad v. = 1.0, \text{ hash} = \text{ac871cb32b}\#10, R_{\infty}^{\text{fit}} = (392 \pm 0.65\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.005 \pm 0.0067$$



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

$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

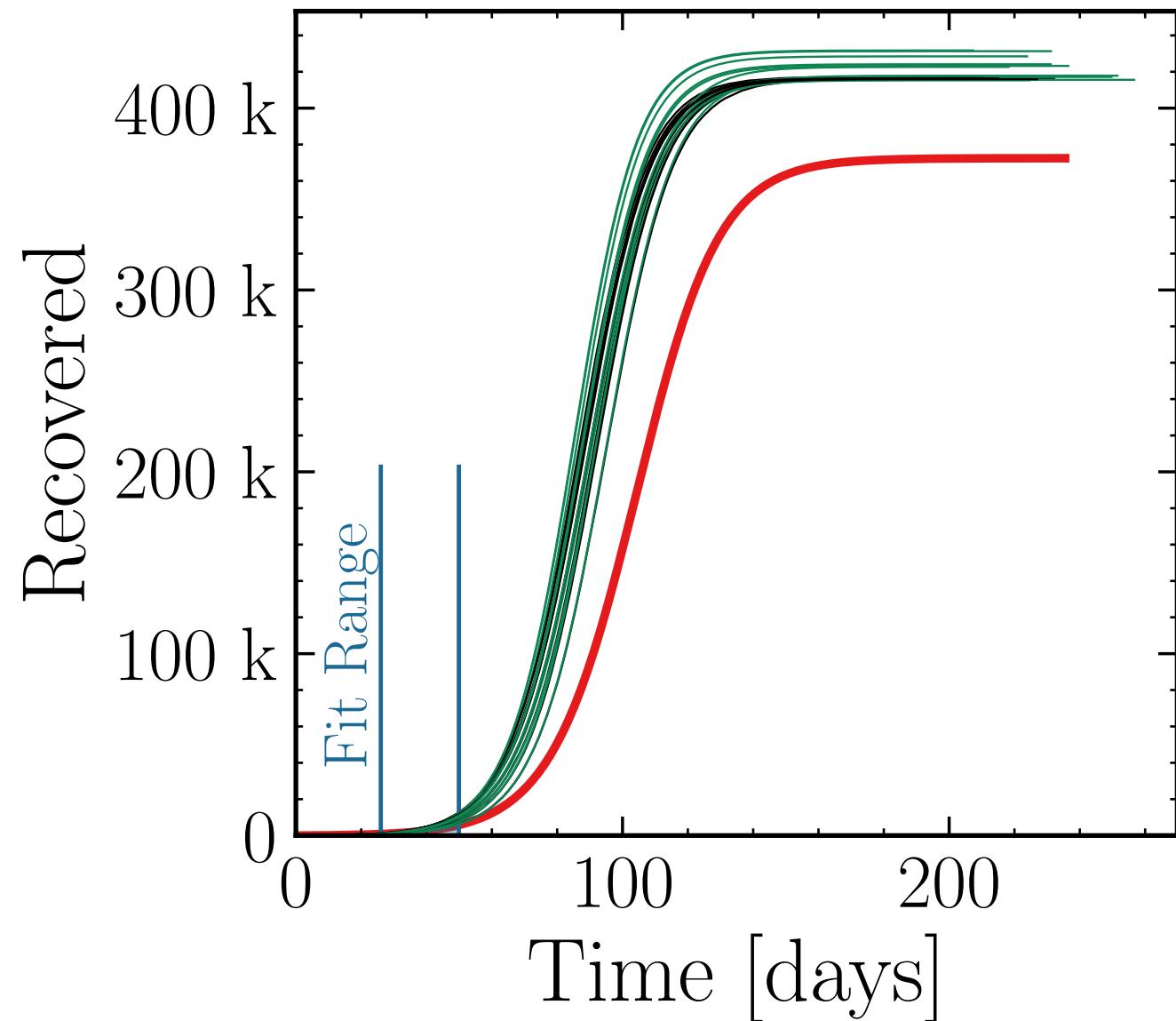
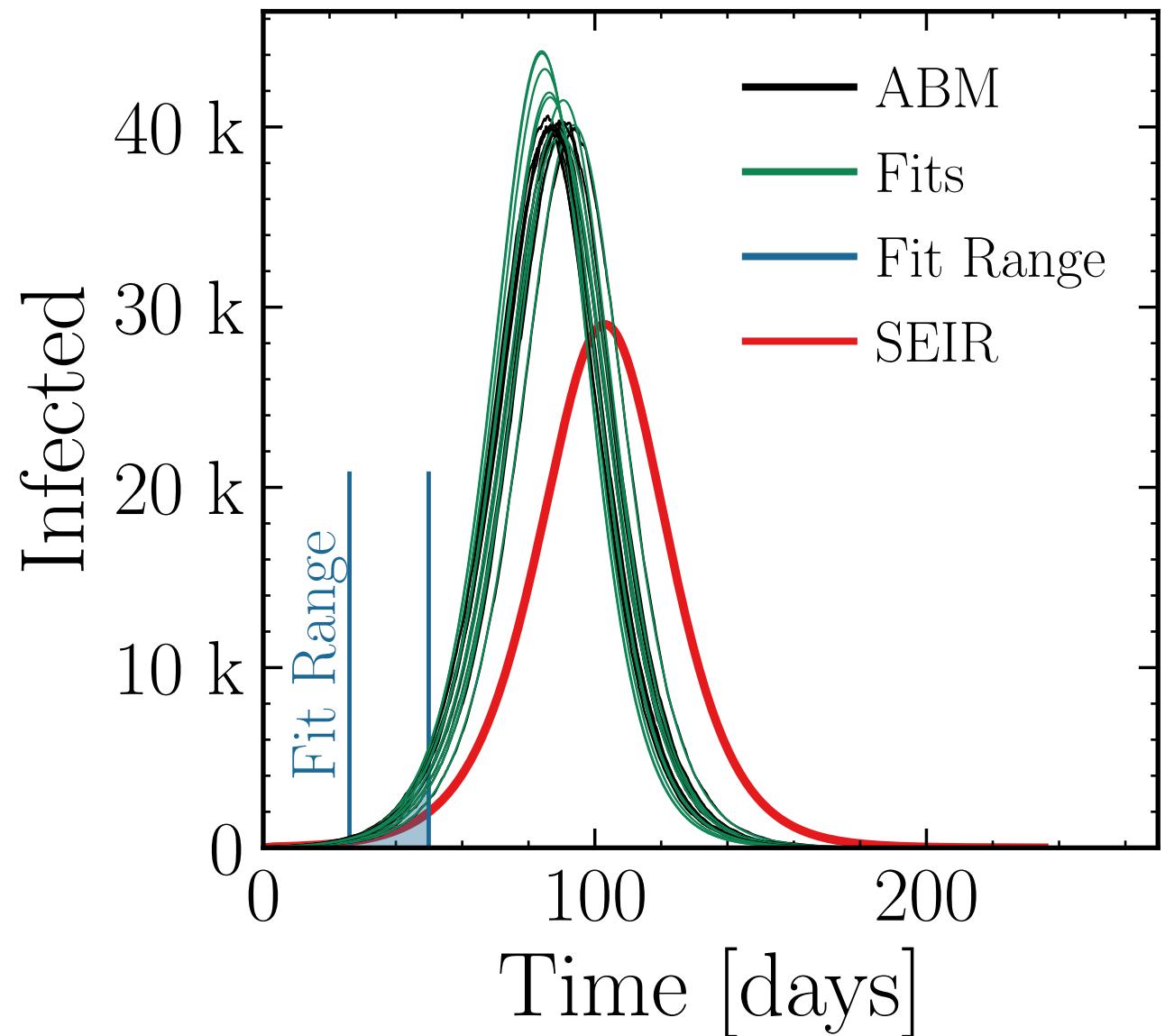
$N_{\text{events}} = 10K$ , event<sub>size<sub>max</sub></sub> = 30, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$$I_{\text{max}}^{\text{fit}} = (41.5 \pm 1.3\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1.04 \pm 0.013 \quad v. = 1.0, \text{ hash} = 7057a04ce9, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (423 \pm 0.45\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.015 \pm 0.0043$$



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

$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

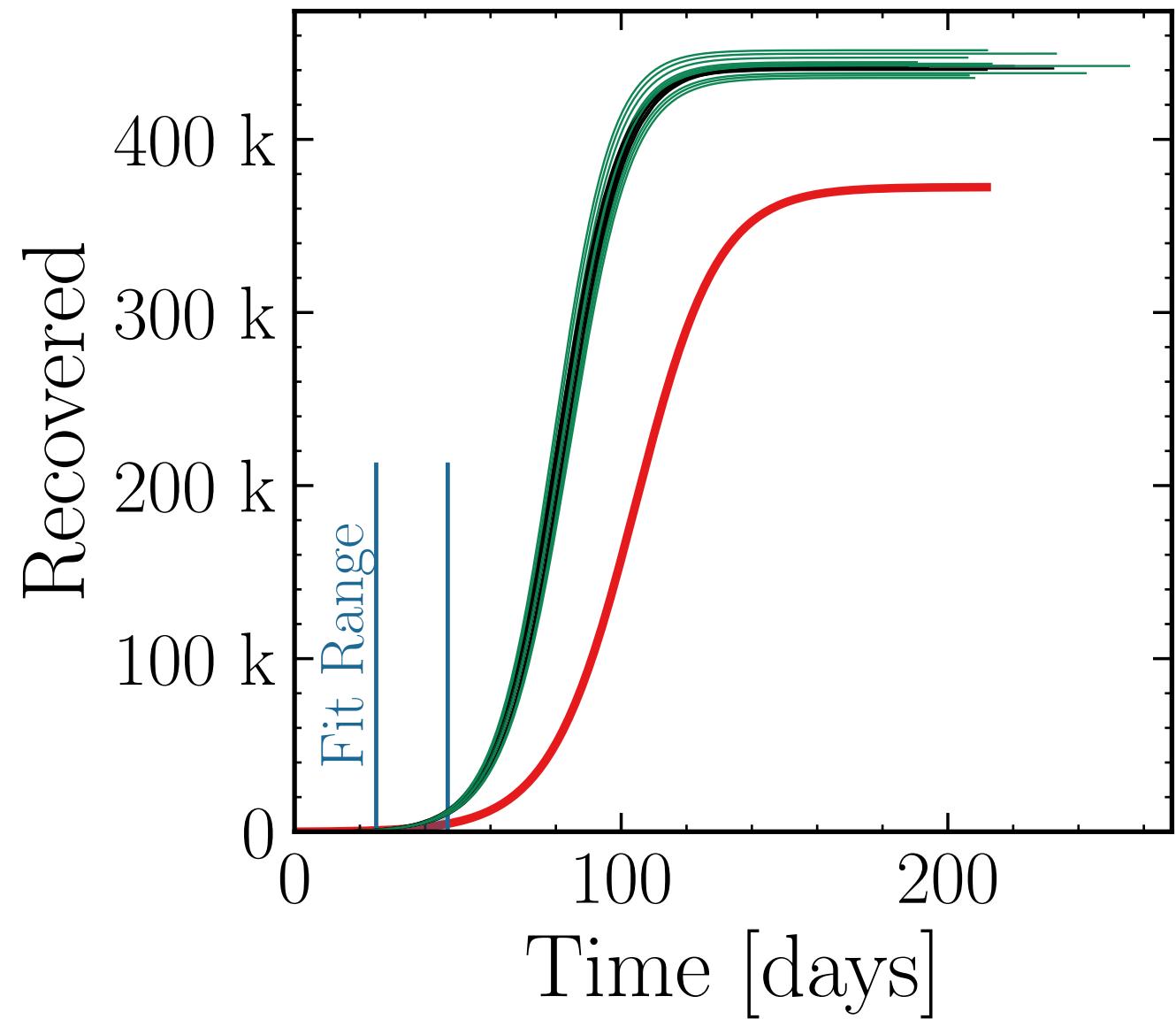
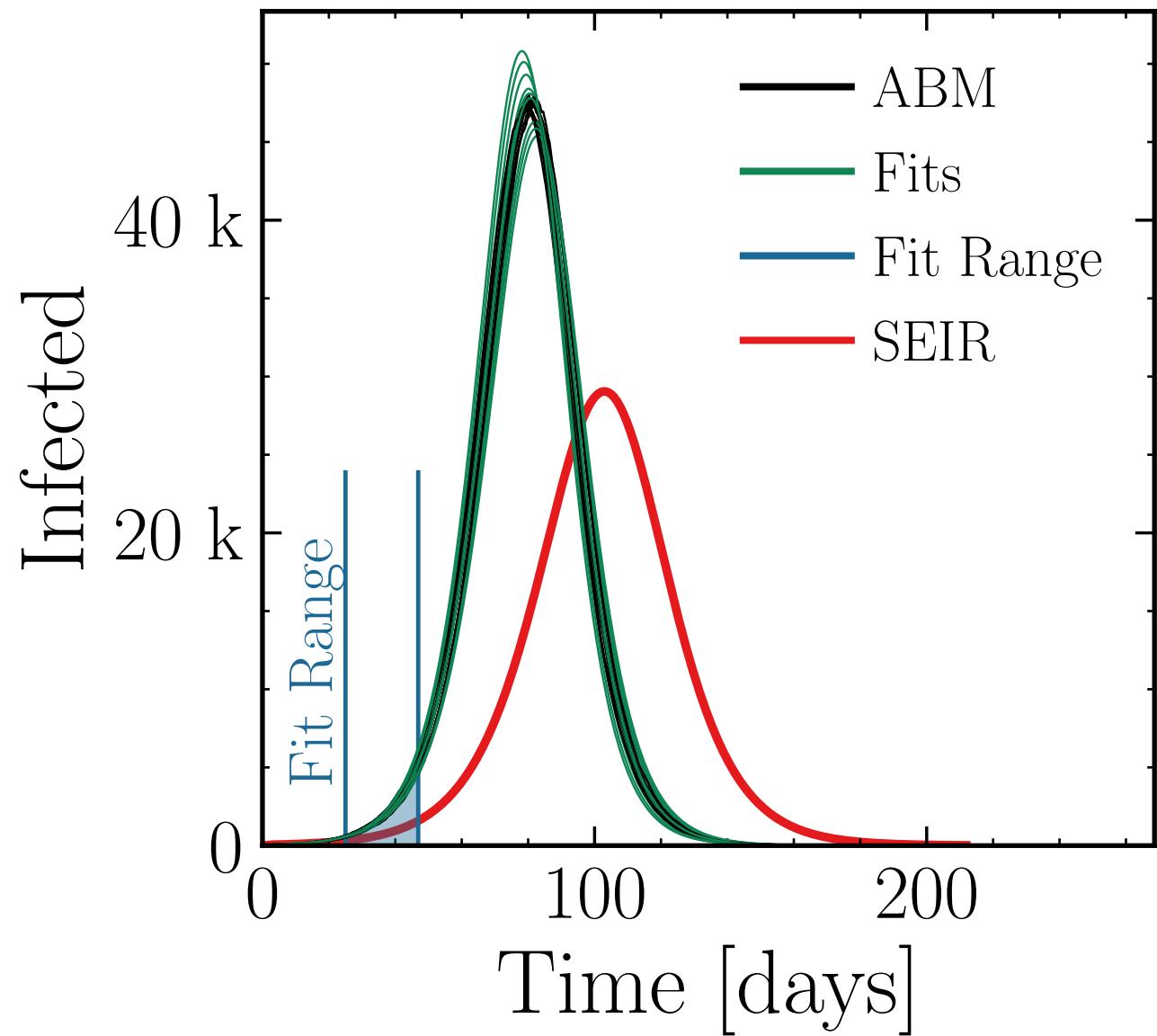
$N_{\text{events}} = 10K$ , event<sub>size<sub>max</sub></sub> = 40, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$$I_{\text{max}}^{\text{fit}} = (48 \pm 1.1\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1.01 \pm 0.012 \quad v. = 1.0, \text{ hash} = \text{ba59d74a84}, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (443 \pm 0.36\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.005 \pm 0.0039$$



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

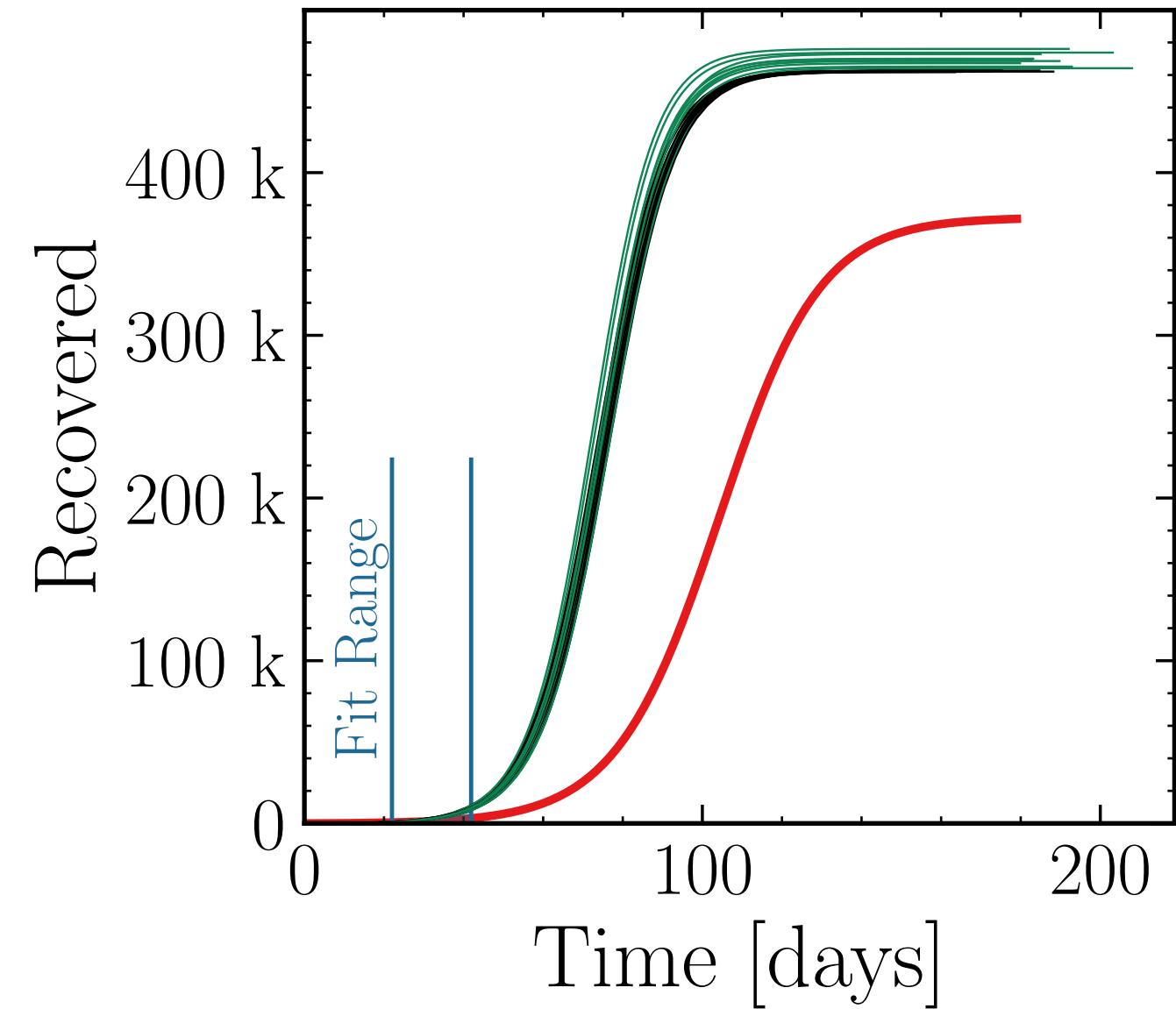
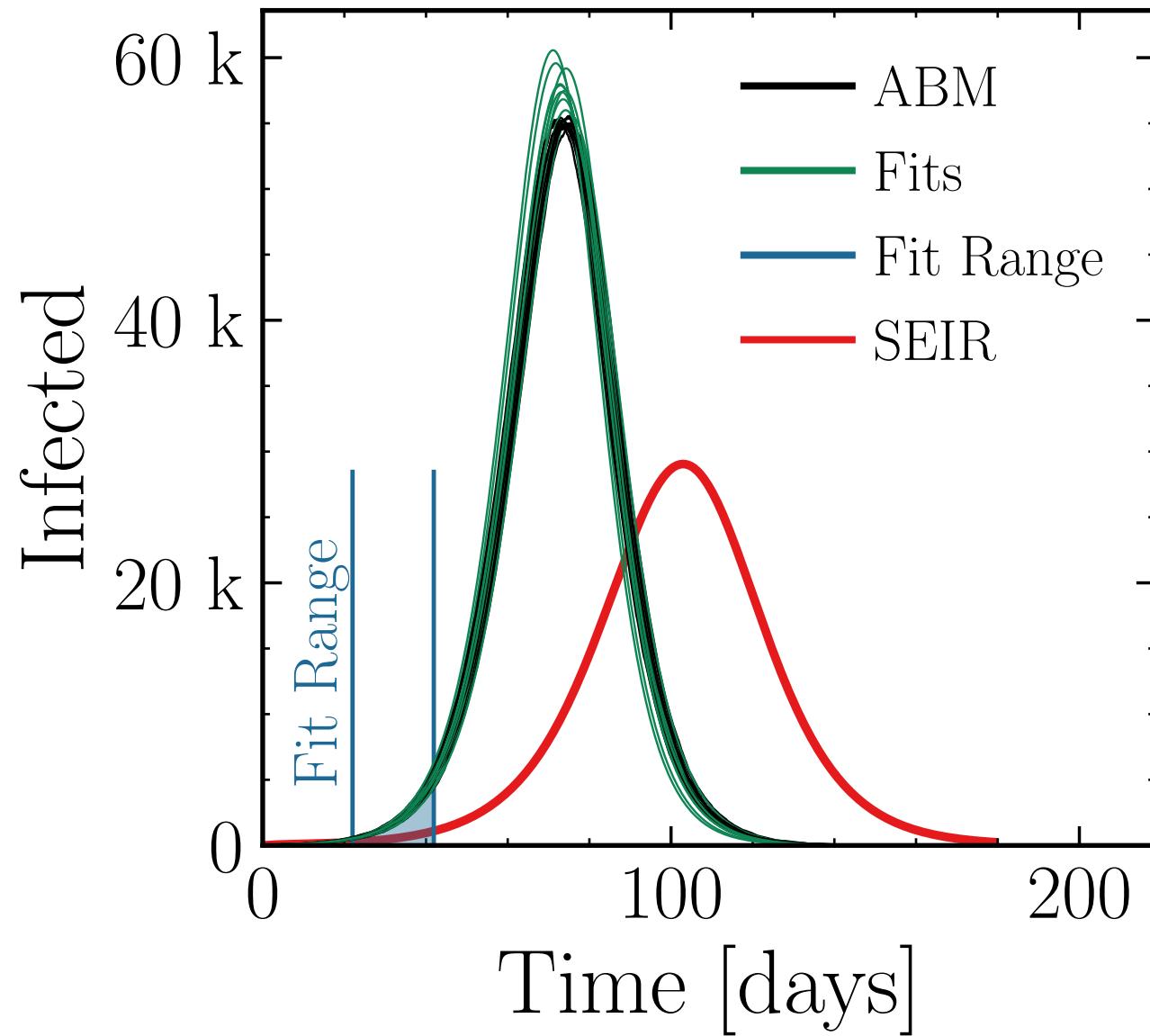
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 10K$ , event<sub>size<sub>max</sub></sub> = 50, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$$I_{\text{max}}^{\text{fit}} = (57.9 \pm 0.81\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1.049 \pm 0.0080 \quad V. = 1.0, \text{hash} = \text{e4a8c474b8}, \#10 \\ R_{\infty}^{\text{fit}} = (470 \pm 0.25\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.016 \pm 0.0024$$



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

$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

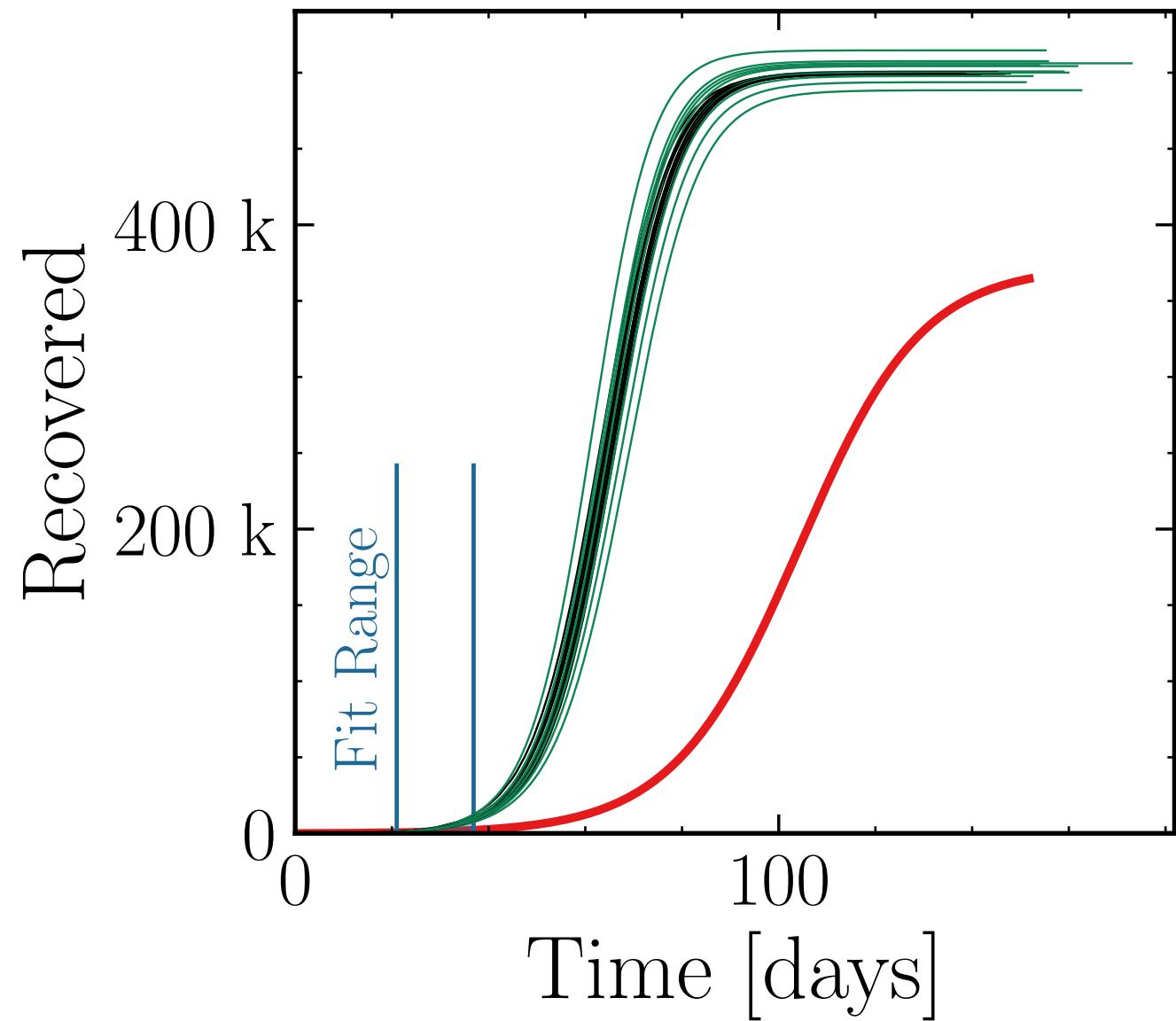
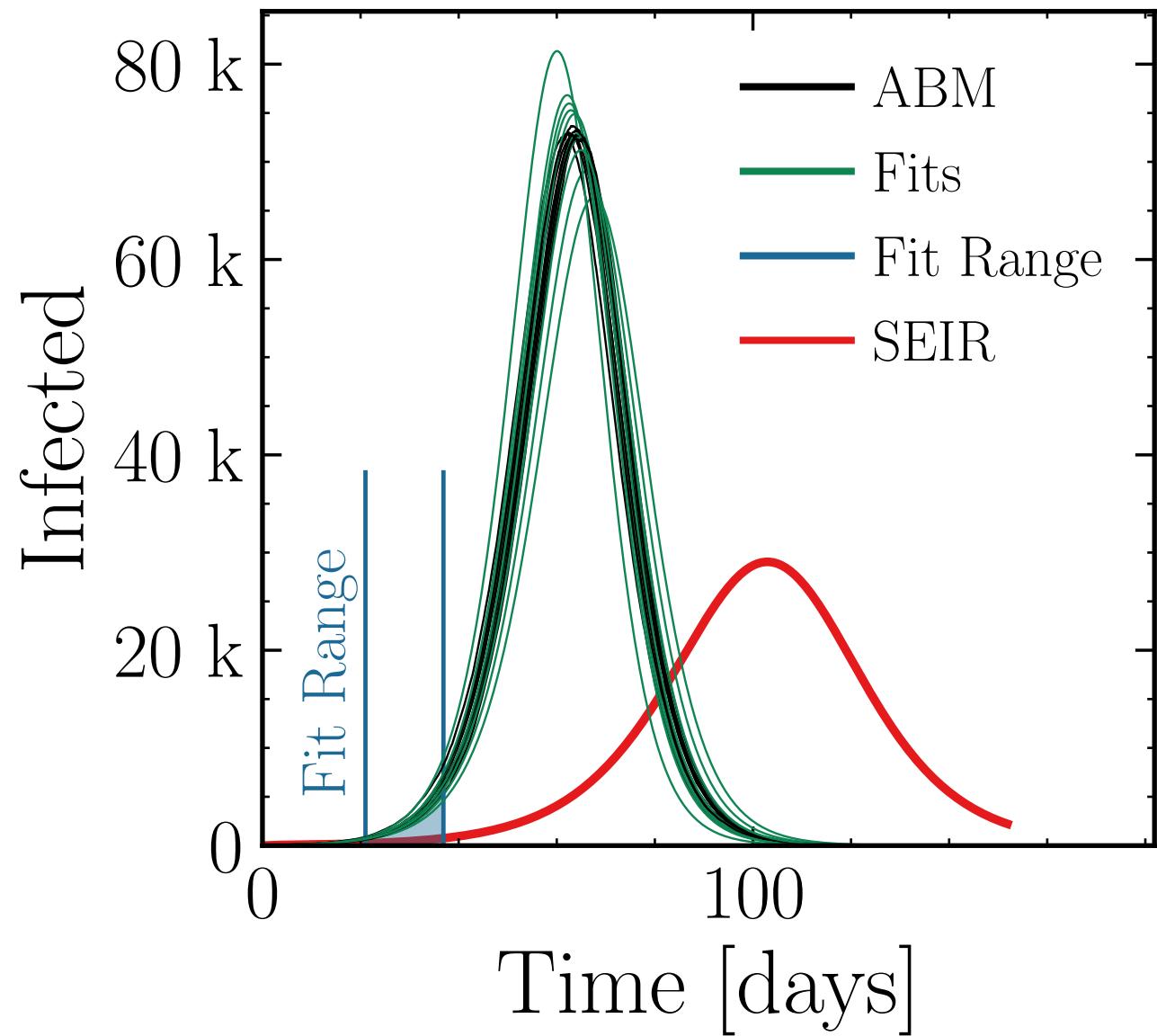
$N_{\text{events}} = 10K$ , event<sub>size<sub>max</sub></sub> = 75, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$$I_{\text{max}}^{\text{fit}} = (74 \pm 1.7\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1.01 \pm 0.017 \quad v. = 1.0, \text{ hash} = 343d274f18, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (502 \pm 0.45\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.005 \pm 0.0045$$



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

$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

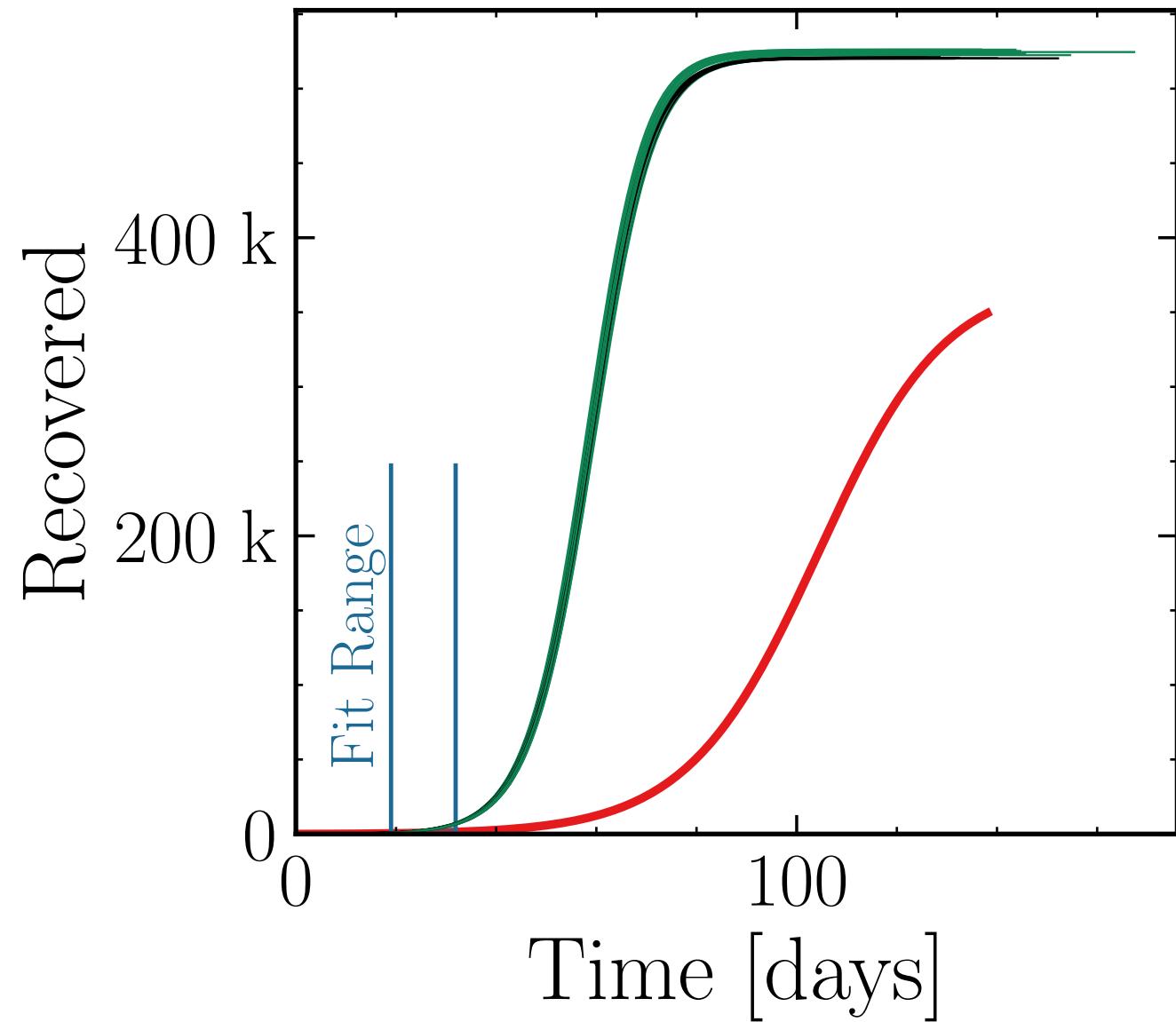
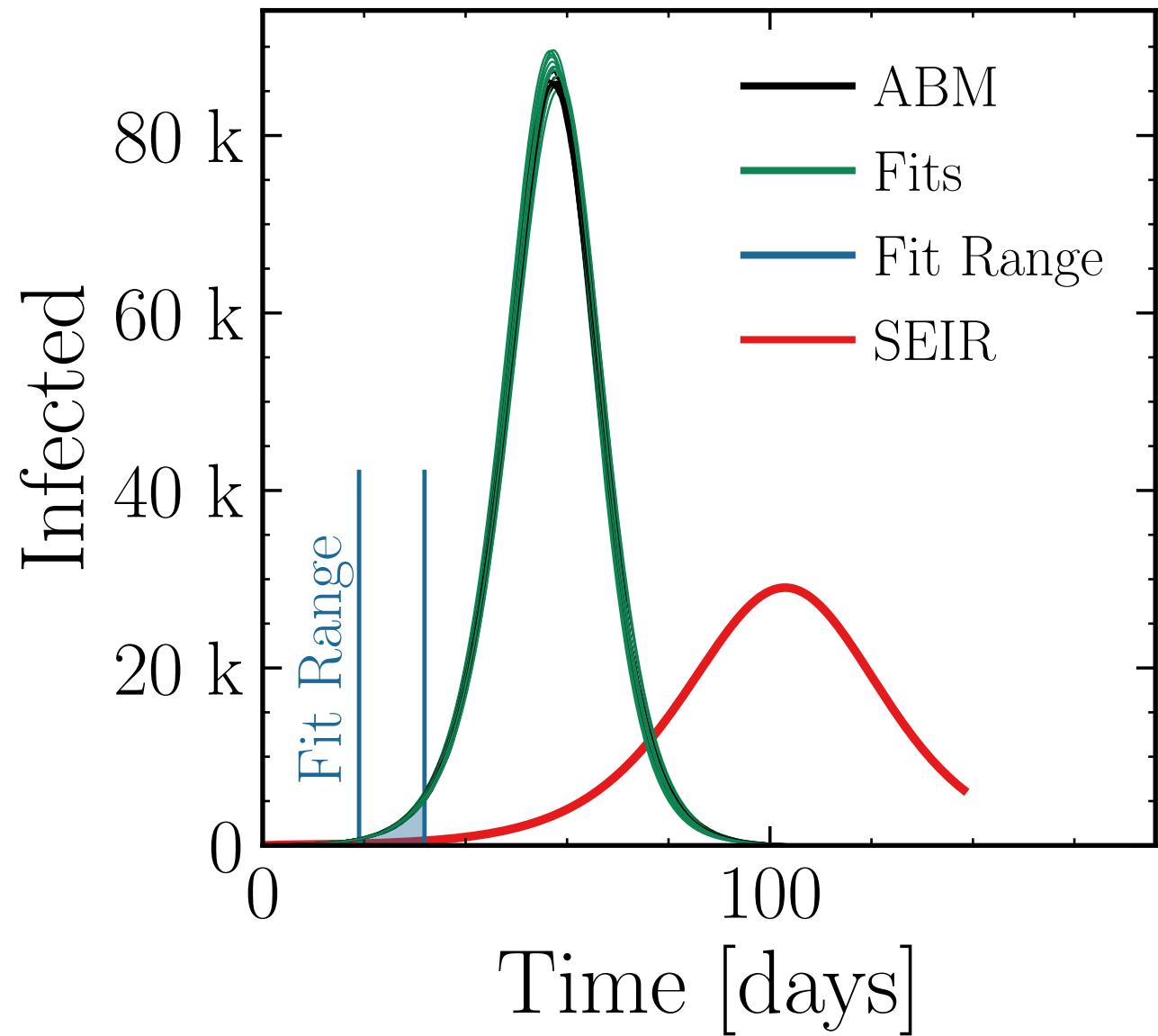
$N_{\text{events}} = 10K$ , event<sub>size<sub>max</sub></sub> = 100, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$$I_{\text{max}}^{\text{fit}} = (88 \pm 0.46\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1.022 \pm 0.0058 \quad v. = 1.0, \text{ hash} = \text{d11782448a}, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (524.1 \pm 0.12\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.007 \pm 0.0011$$



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

$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

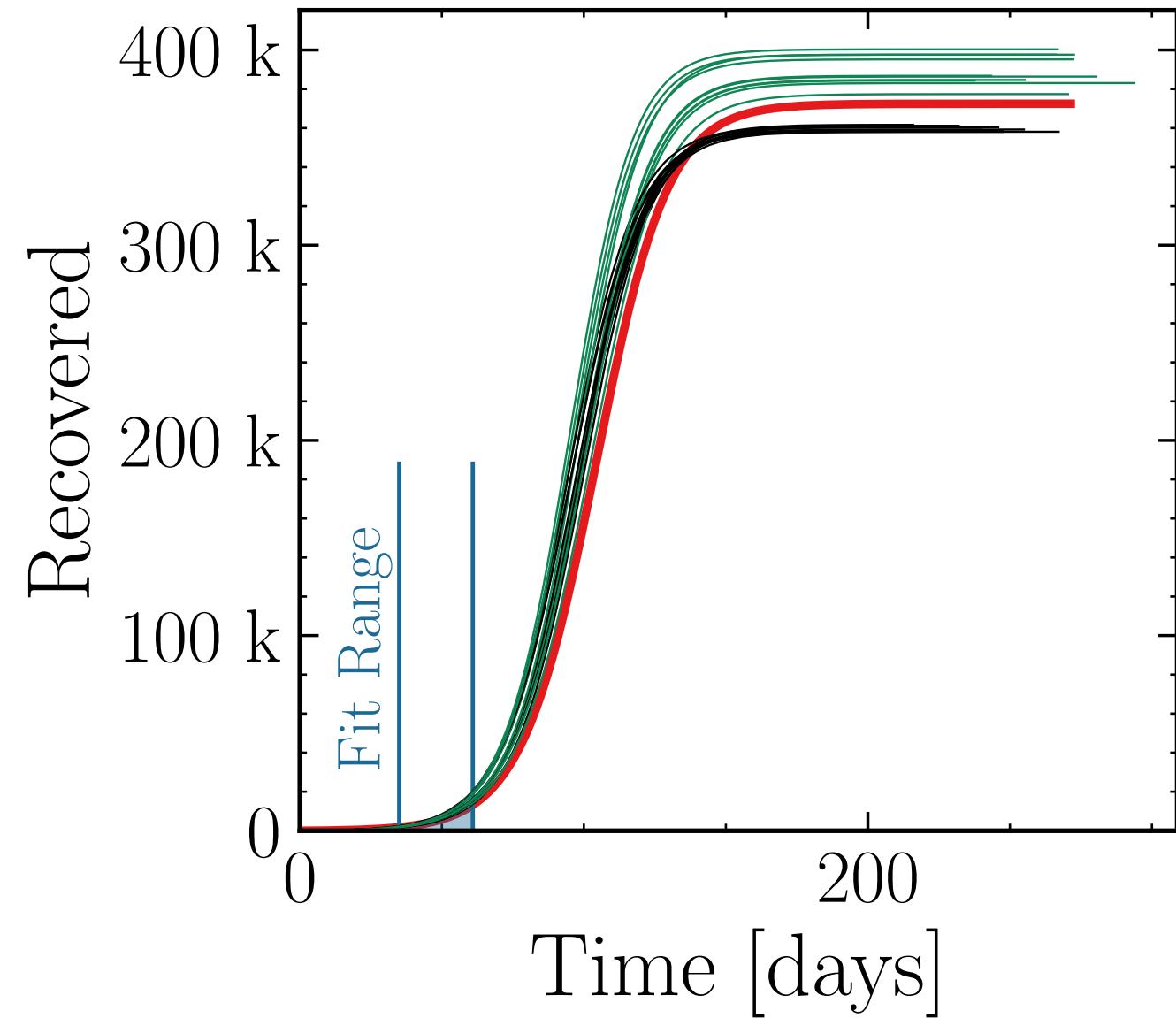
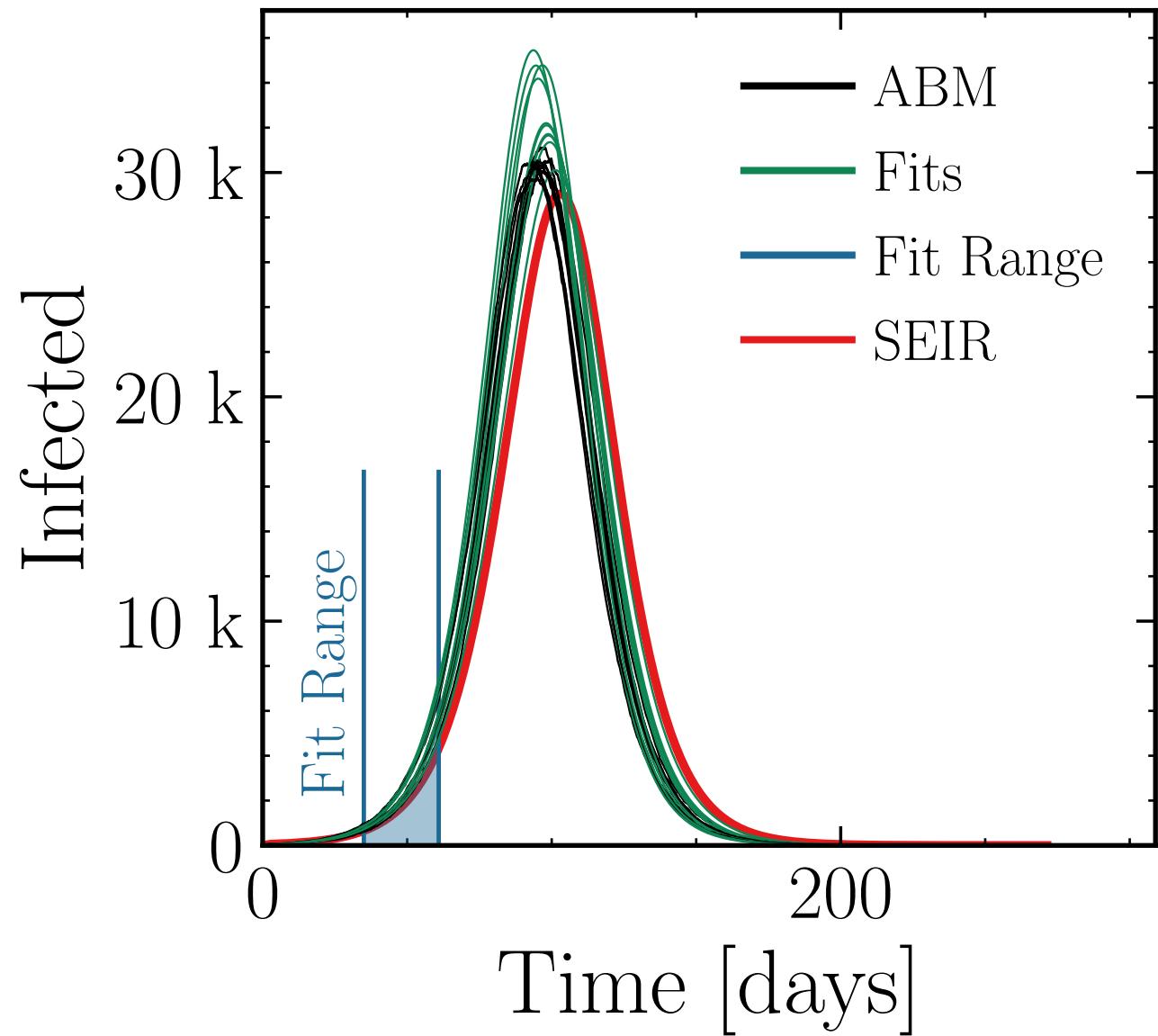
$N_{\text{events}} = 0$ , event<sub>size<sub>max</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{max}}^{\text{fit}} = (32.8 \pm 1.7\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1.08 \pm 0.019 \quad v. = 1.0, \text{hash} = 1570bd3d81, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (389 \pm 0.59\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.082 \pm 0.0069$$



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

$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

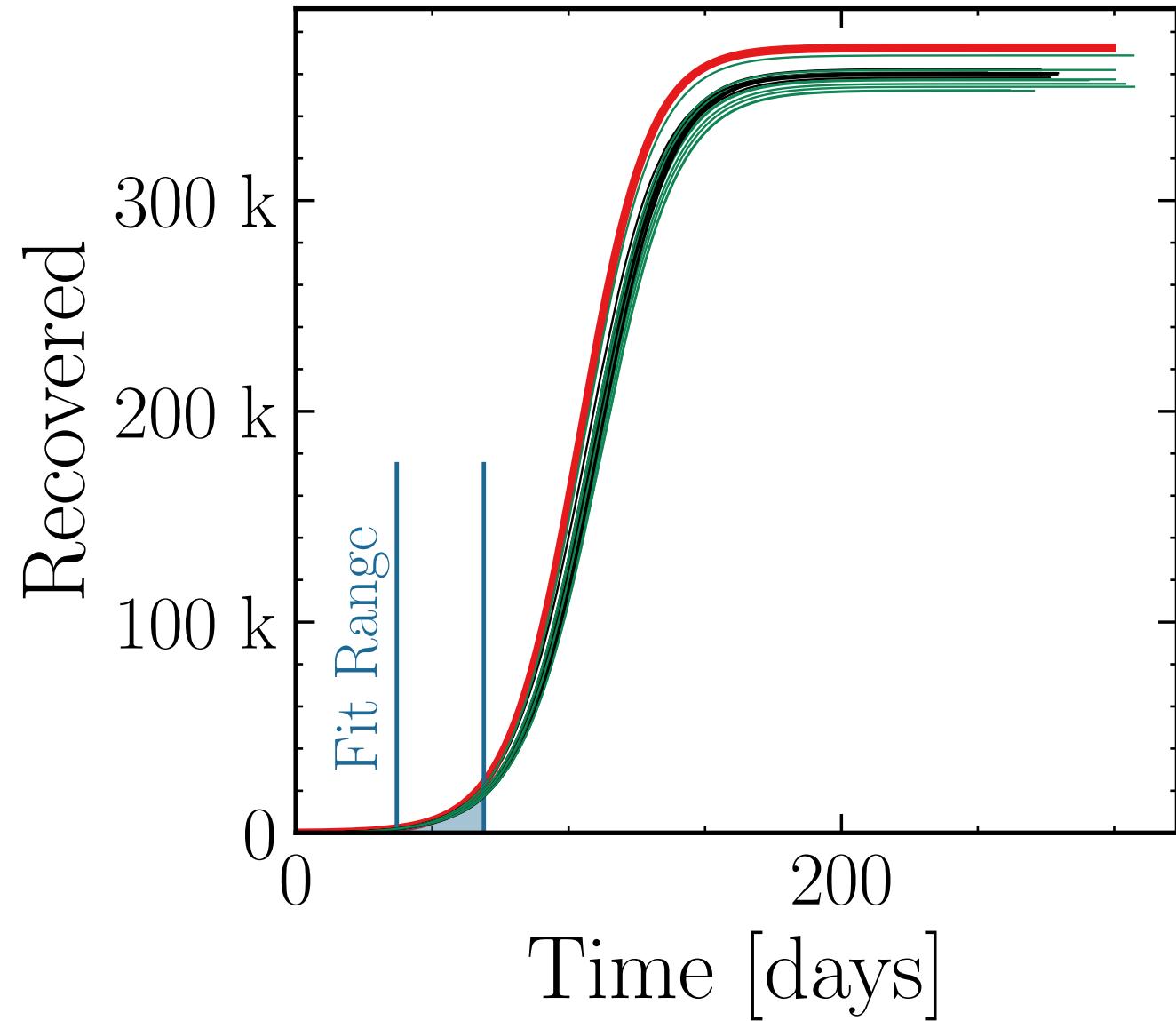
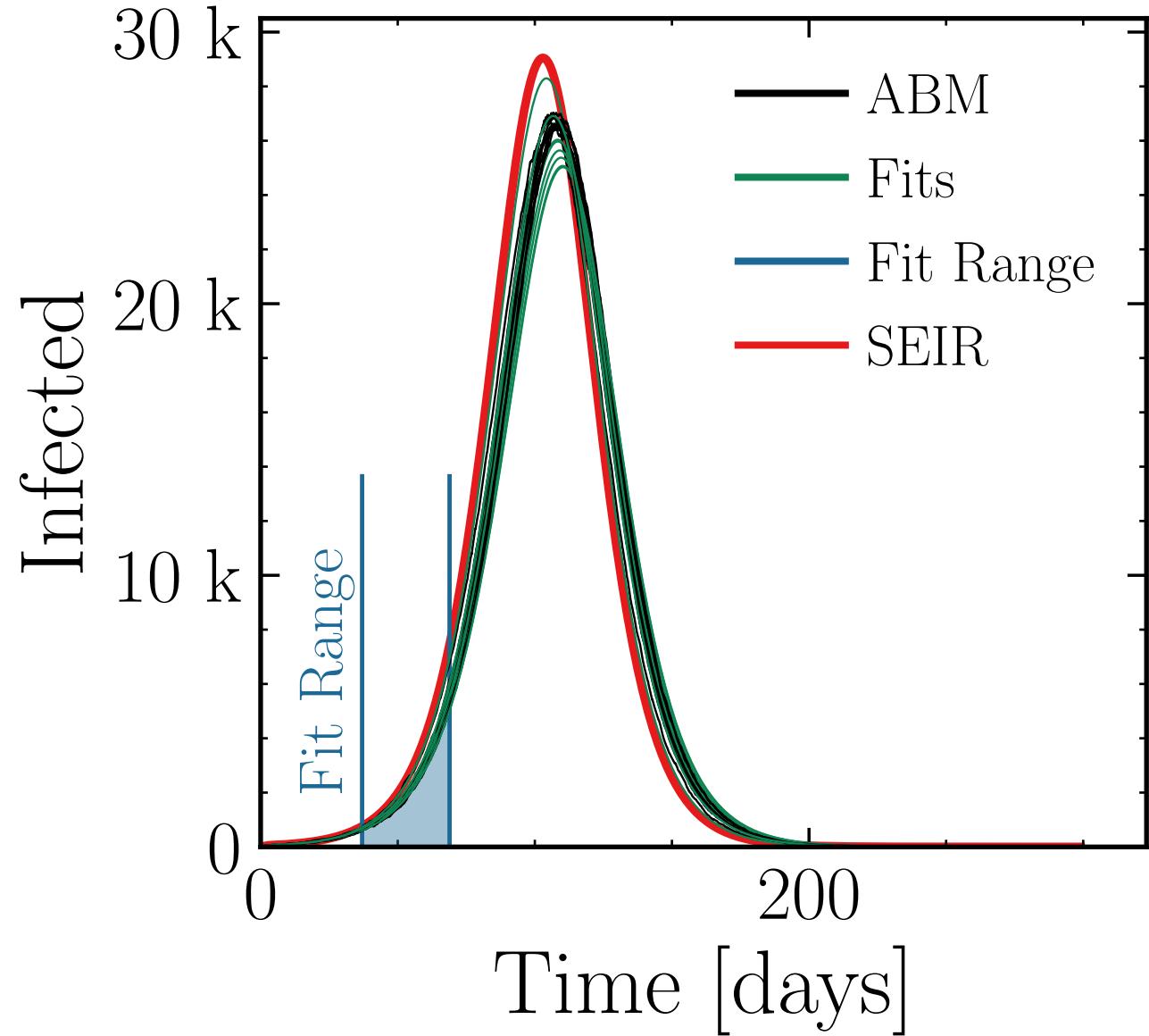
$N_{\text{events}} = 0$ , event<sub>size<sub>max</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{max}}^{\text{fit}} = (26.2 \pm 1.1\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 0.98 \pm 0.01 \quad v. = 1.0, \text{ hash} = \text{ca86b7df51}\#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (358 \pm 0.43\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 0.994 \pm 0.004$$



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

$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

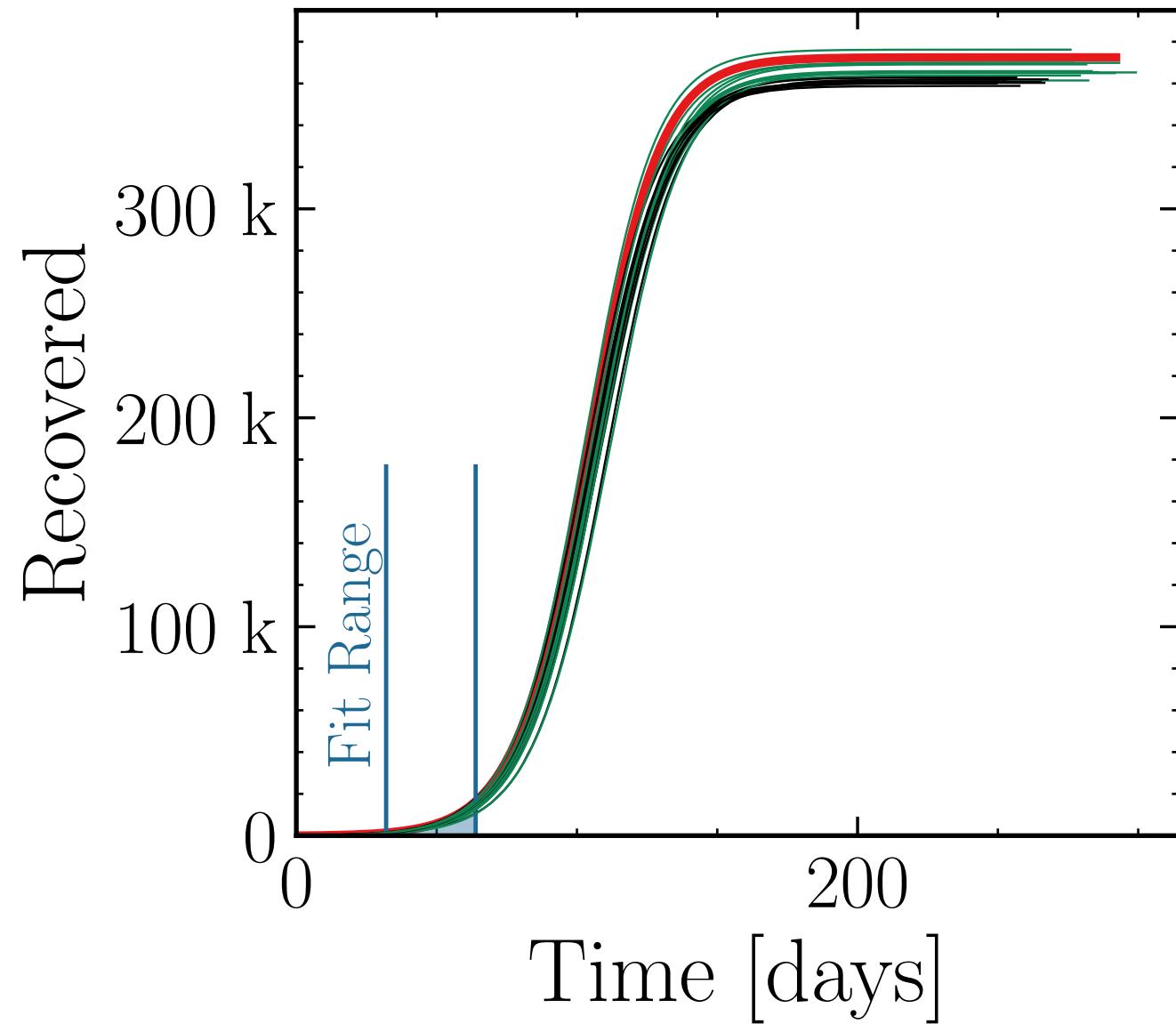
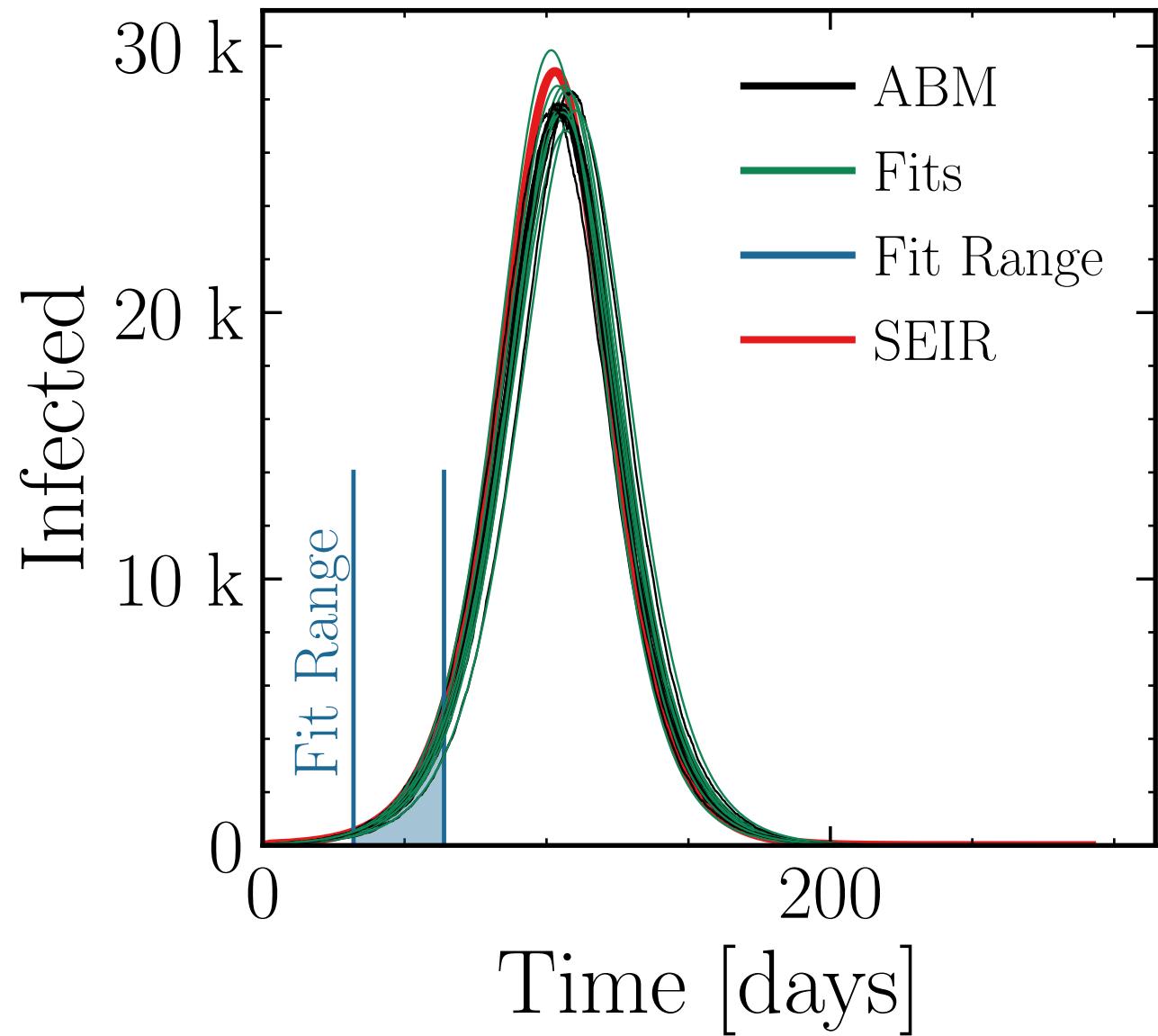
$N_{\text{events}} = 0$ , event<sub>size<sub>max</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$I_{\text{max}}^{\text{fit}} = (28 \pm 0.92\%) \cdot 10^3$

$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1.01 \pm 0.010$  v. = 1.0, hash = baa7a3c033, #10

$R_{\infty}^{\text{fit}} = (367 \pm 0.35\%) \cdot 10^3$

$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.018 \pm 0.0039$



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

$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

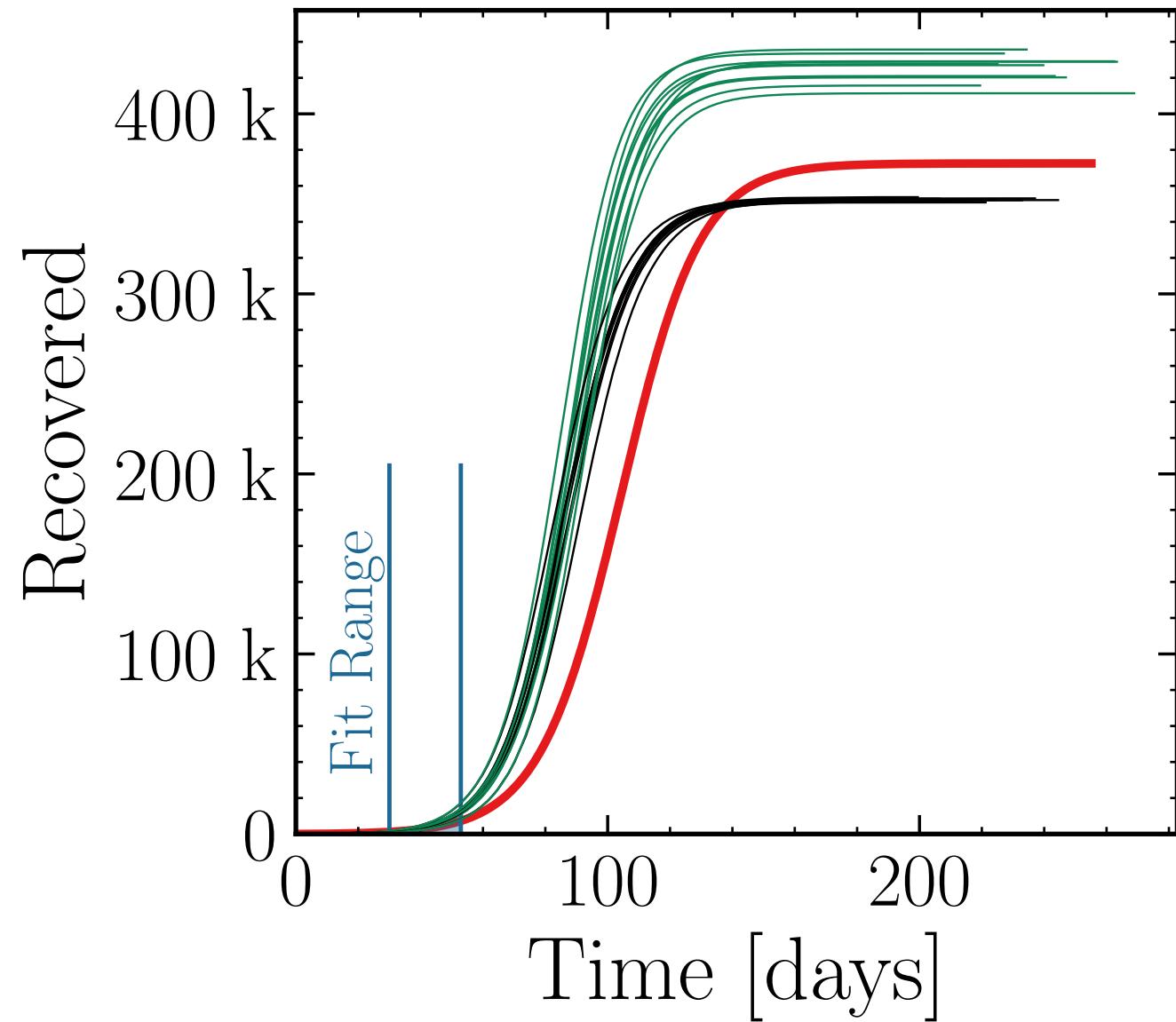
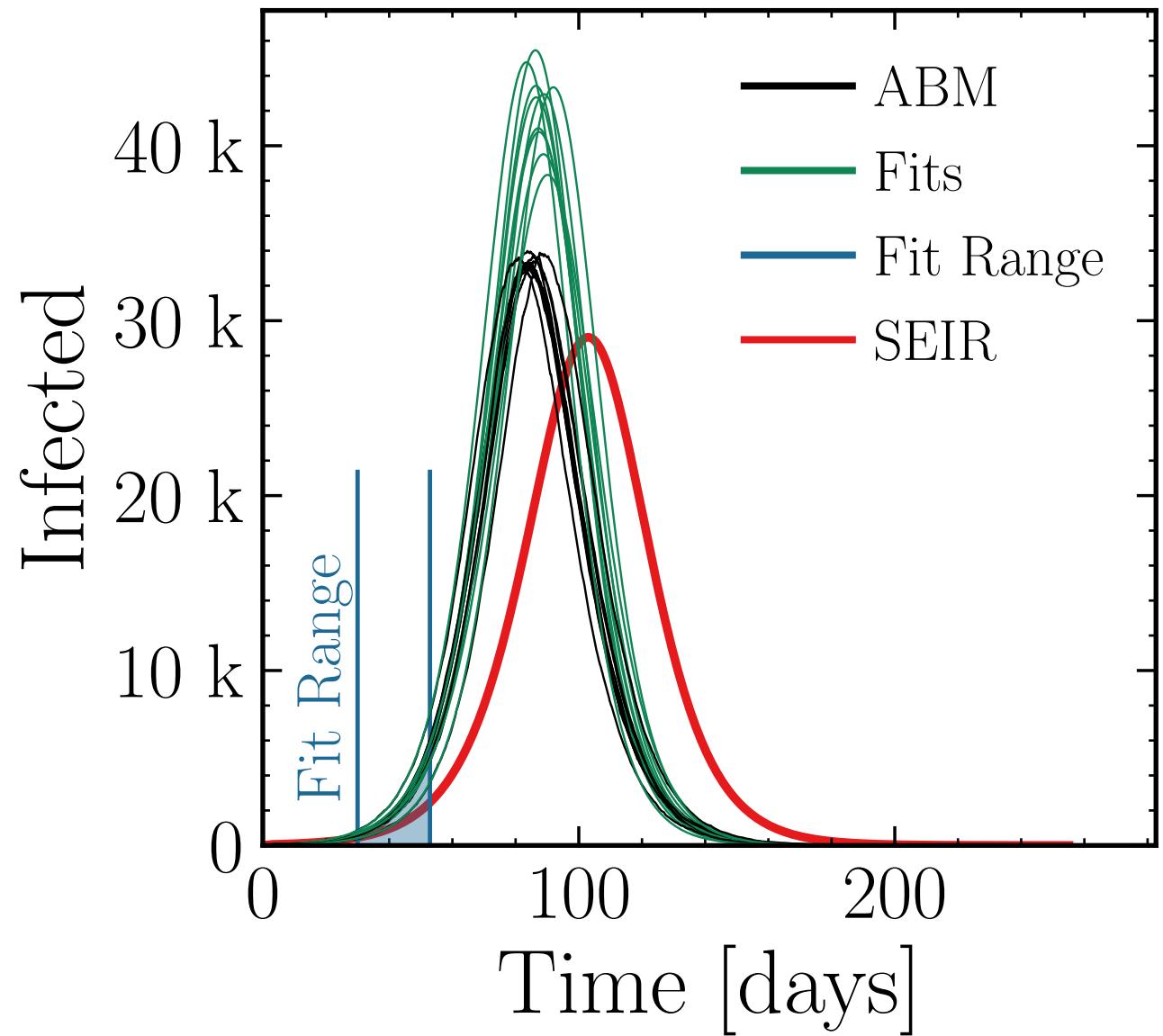
$N_{\text{events}} = 0$ , event<sub>size<sub>max</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{max}}^{\text{fit}} = (42.2 \pm 1.6\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1.26 \pm 0.021 \quad v. = 1.0, \text{hash} = 17ae2e7324, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (425 \pm 0.55\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.207 \pm 0.0067$$



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

$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

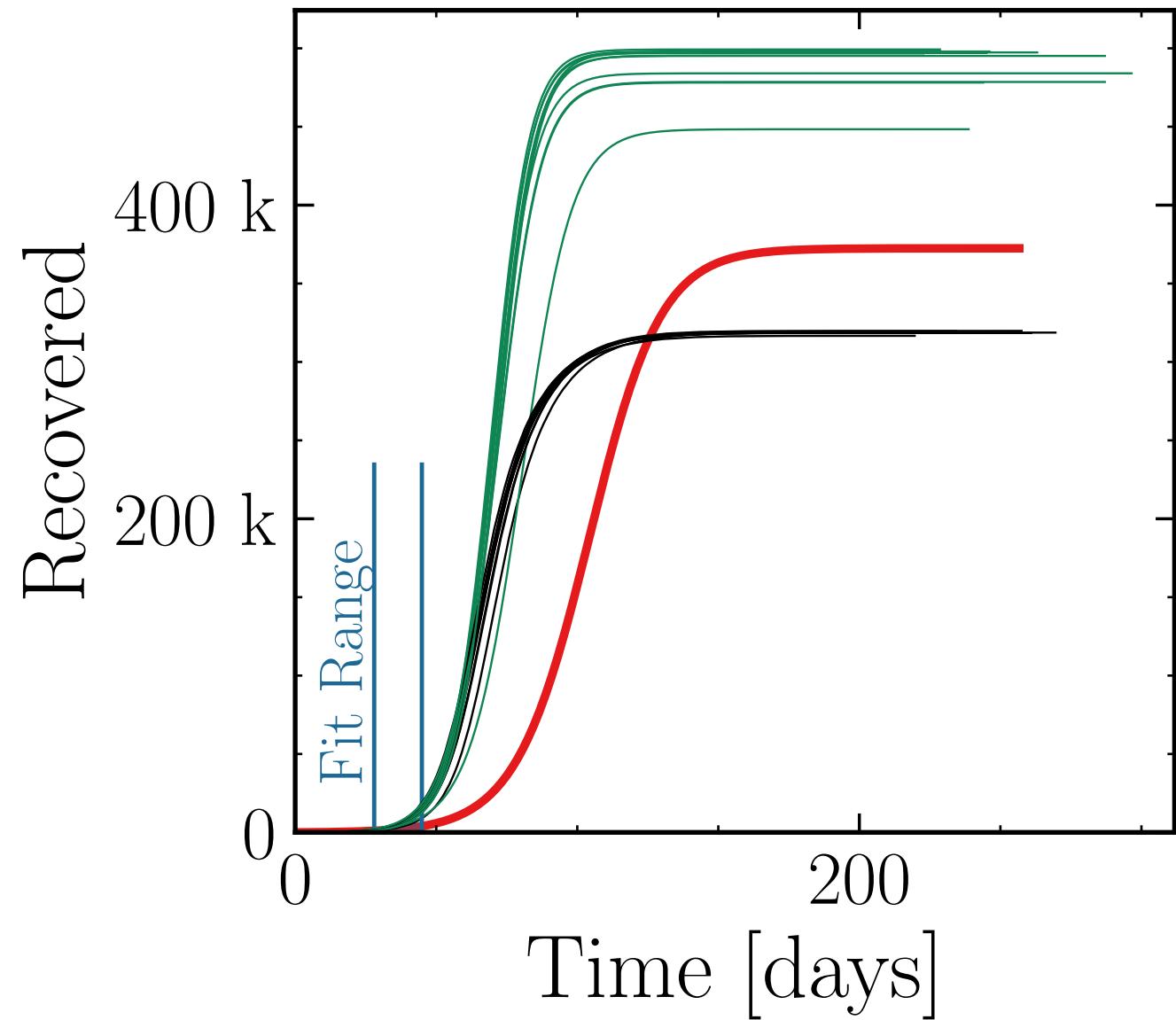
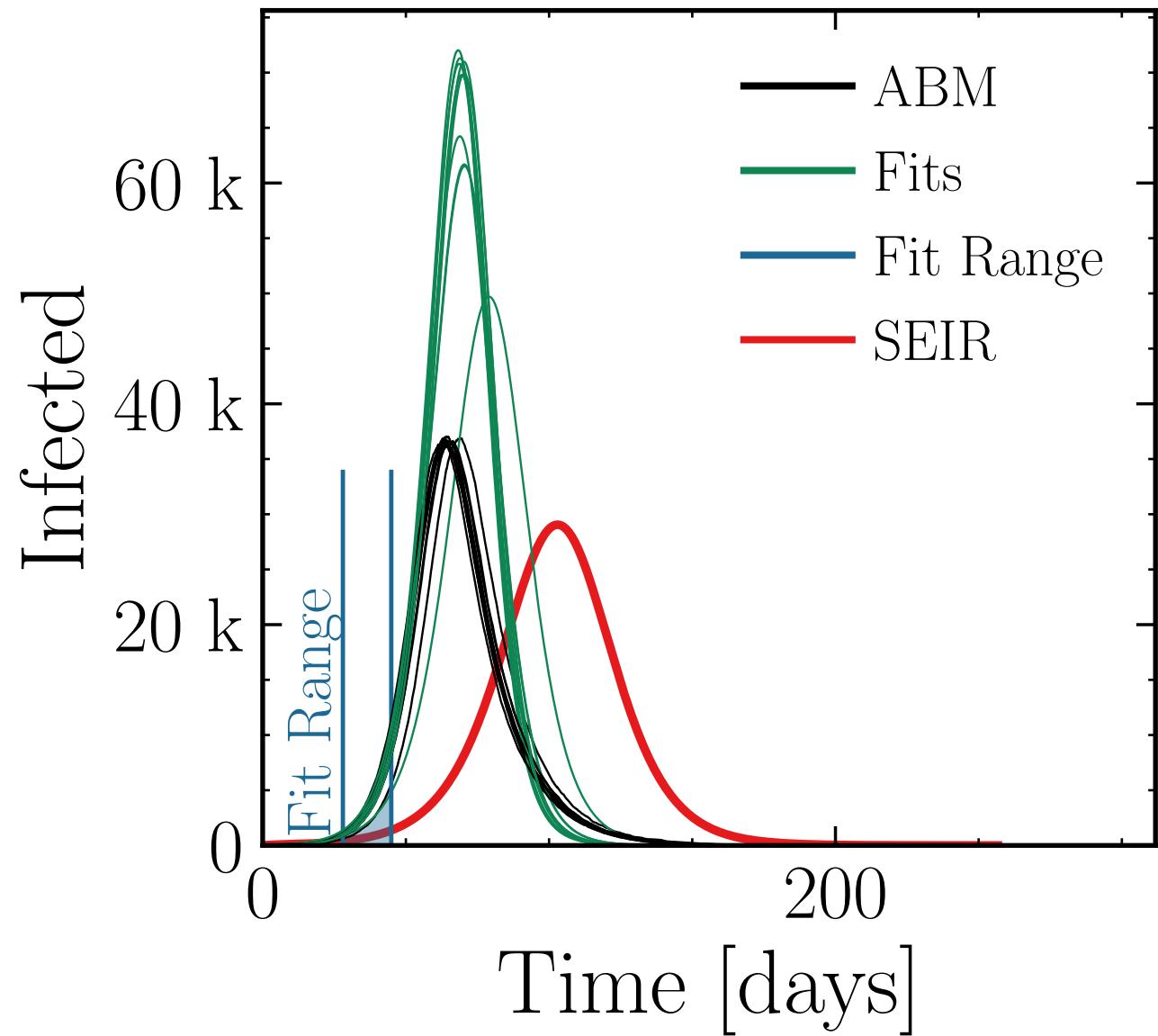
$N_{\text{events}} = 0$ , event<sub>size<sub>max</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{max}}^{\text{fit}} = (66 \pm 3.2\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1.81 \pm 0.059 \quad v. = 1.0, \text{ hash} = \text{ebca1f08d0}, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (487 \pm 0.98\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.53 \pm 0.015$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.05$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , 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> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

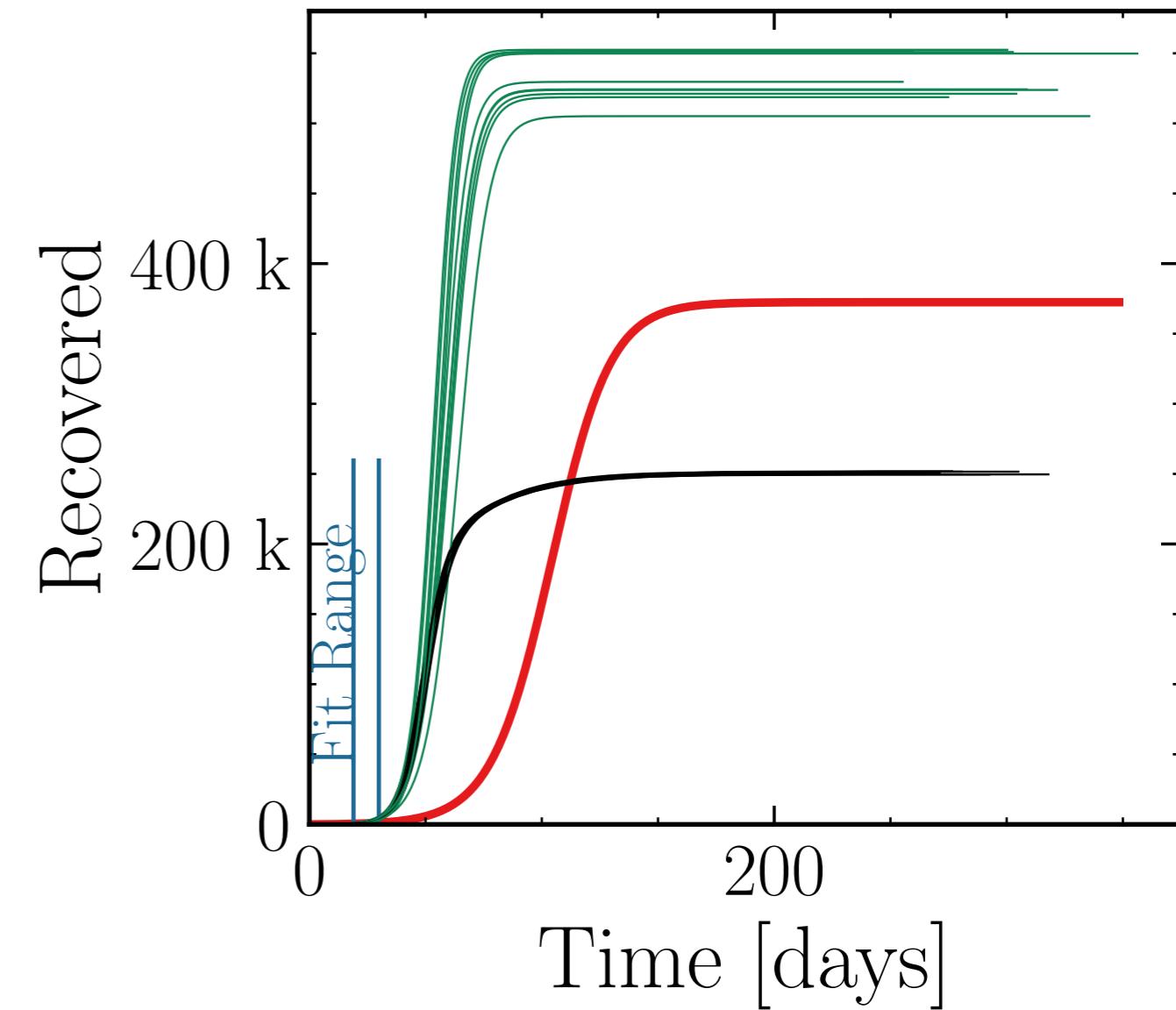
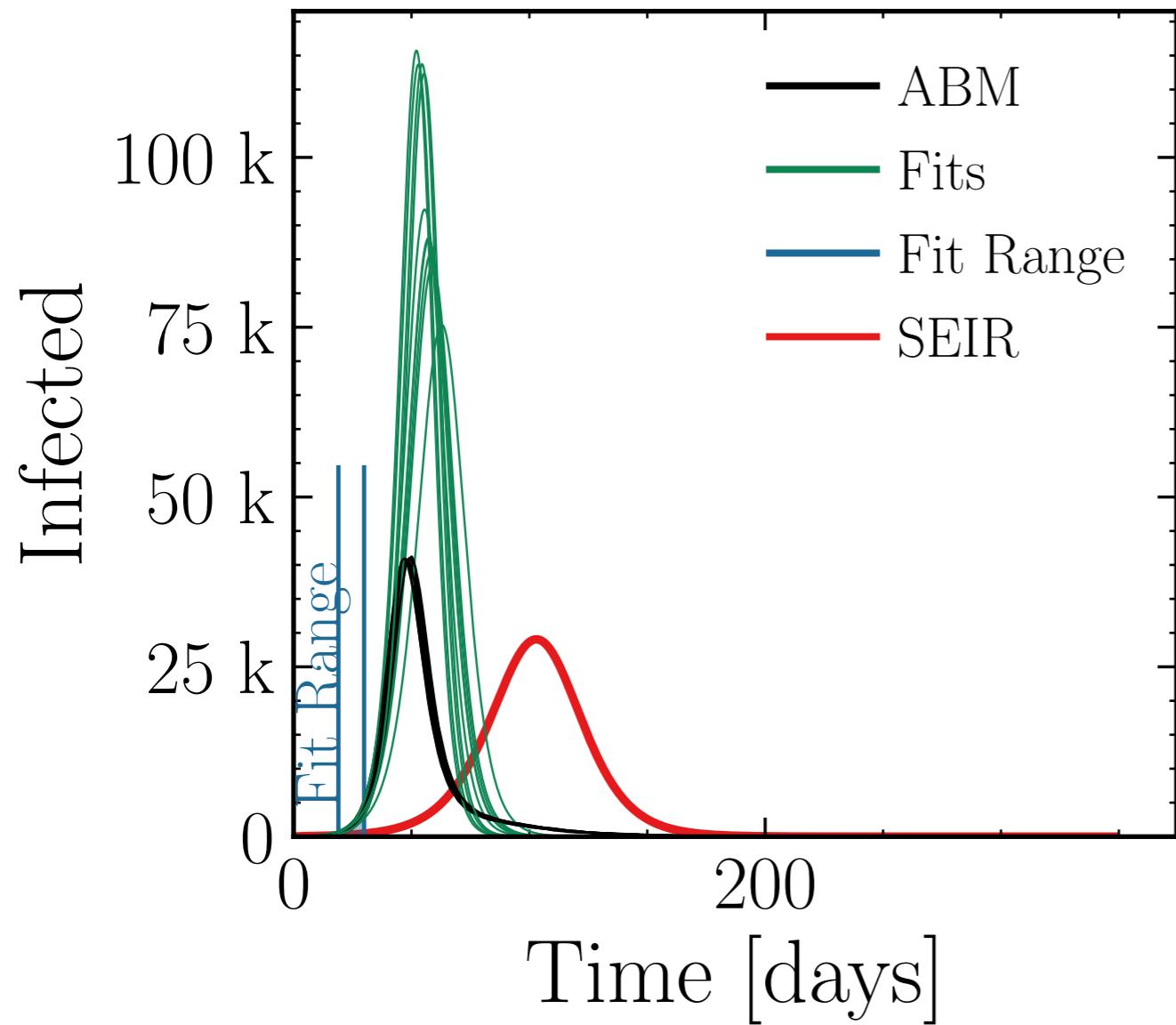
$$I_{\text{max}}^{\text{fit}} = (97 \pm 4.7\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 2.4 \pm 0.11$$

$$\text{v.} = 1.0, \text{hash} = 6d0fbcf937$$

$$R_{\infty}^{\text{fit}} = (533 \pm 0.96\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 2.12 \pm 0.021$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.075$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{connect}}^{\text{retry}} = 0$

$N_{\text{events}} = 0$ , event<sub>size<sub>max</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

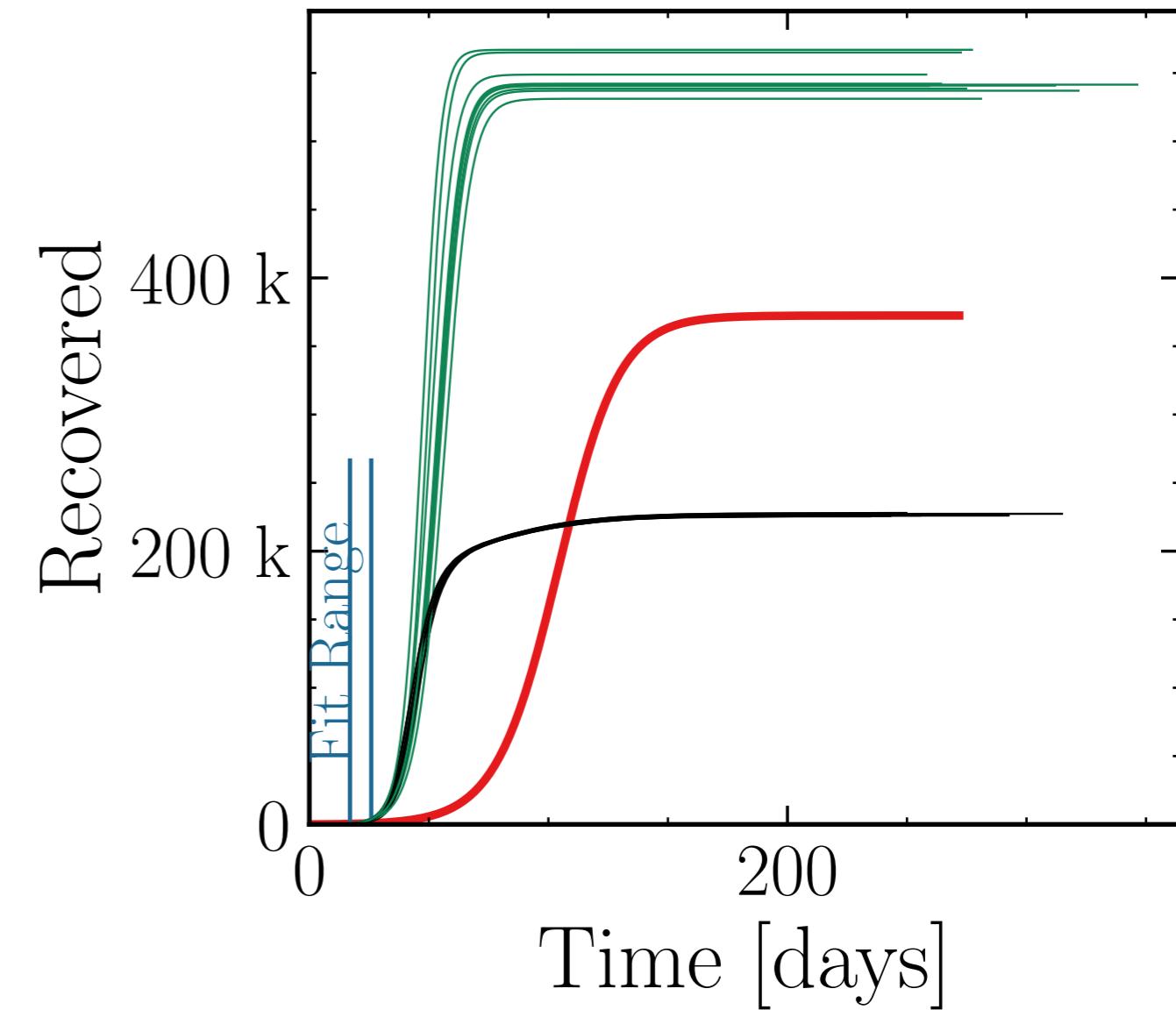
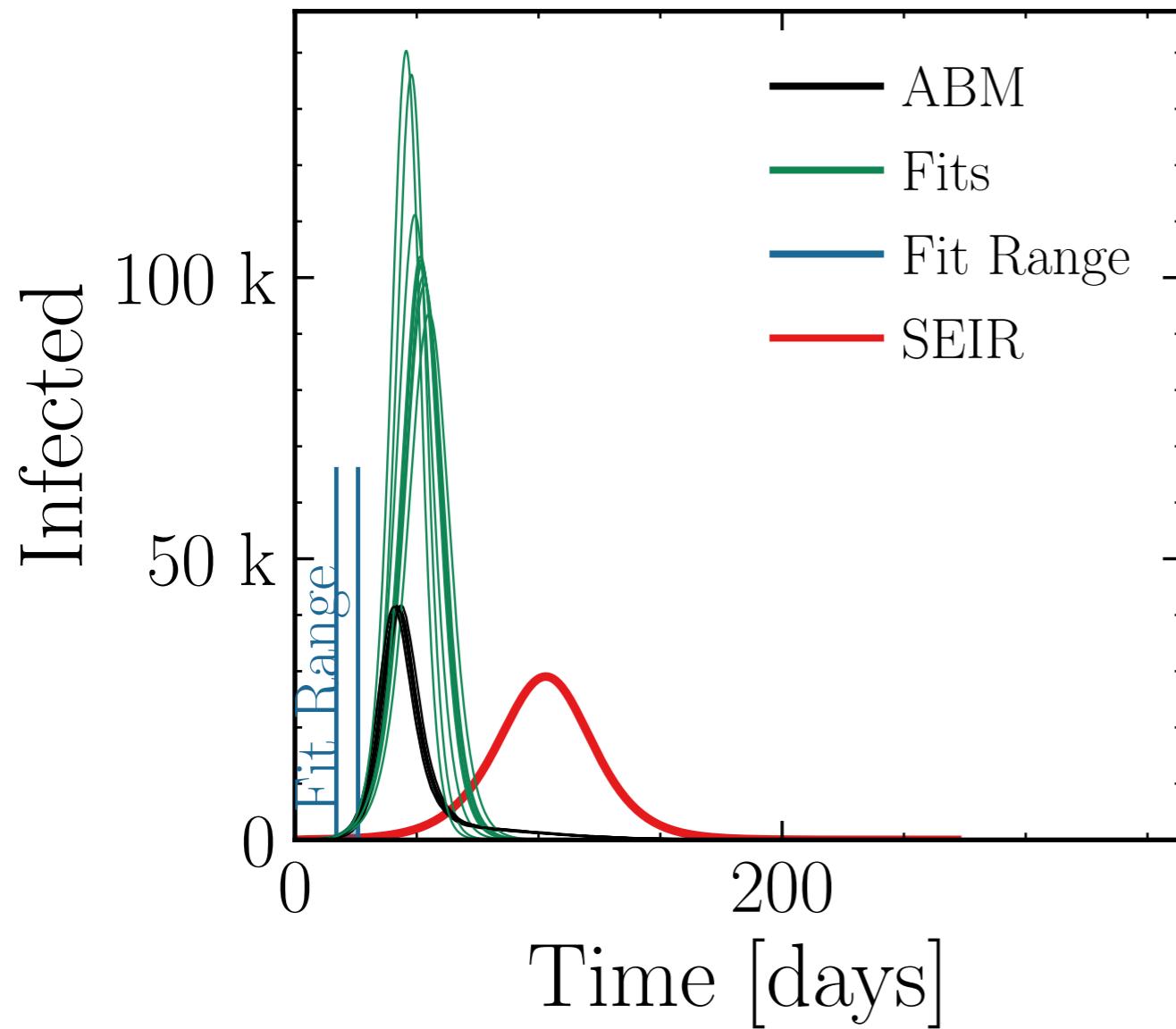
$$I_{\text{max}}^{\text{fit}} = (109 \pm 4.4\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{ABM}}^{\text{ABM}}} = 2.6 \pm 0.12$$

$$\text{v.} = 1.0, \text{hash} = 11a24e208h, \#10$$

$$R_{\infty}^{\text{fit}} = (545 \pm 0.65\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 2.41 \pm 0.016$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , 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> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

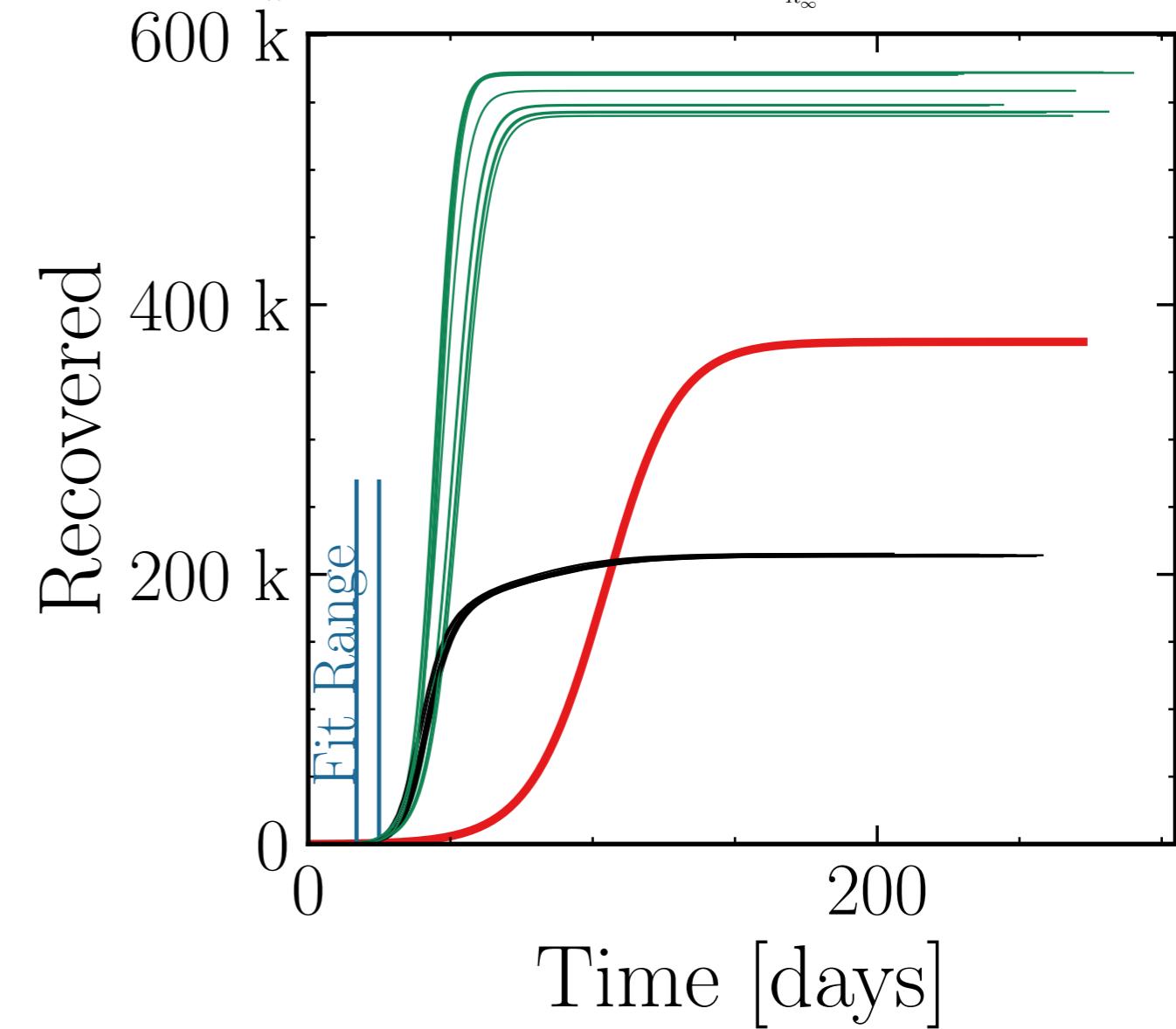
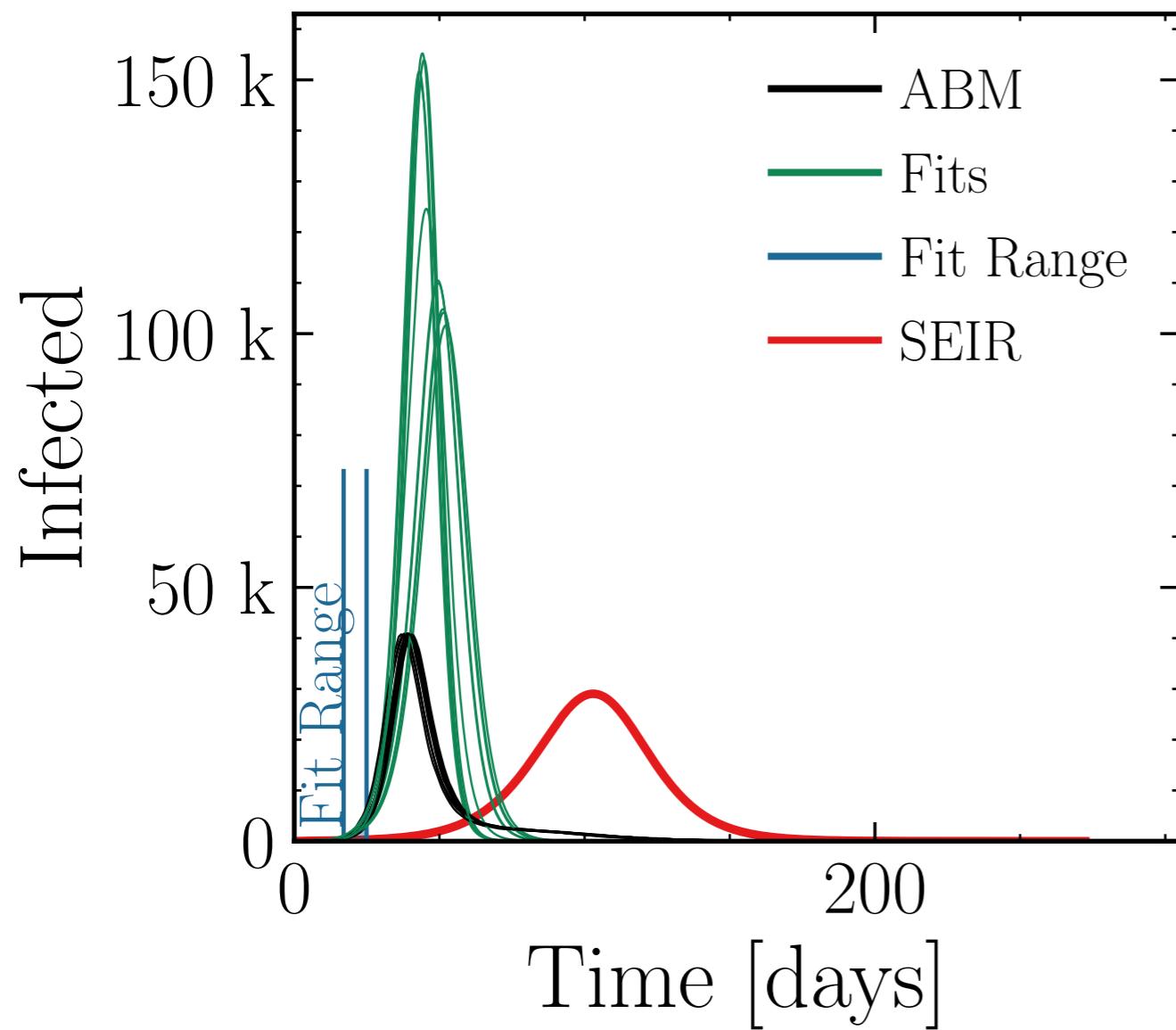
$$I_{\text{max}}^{\text{fit}} = (127 \pm 5.5\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 3.1 \pm 0.17$$

$$\text{v.} = 1.0, \text{hash} = 1f2287b828, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (557 \pm 0.74\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 2.6 \pm 0.018$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.15$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

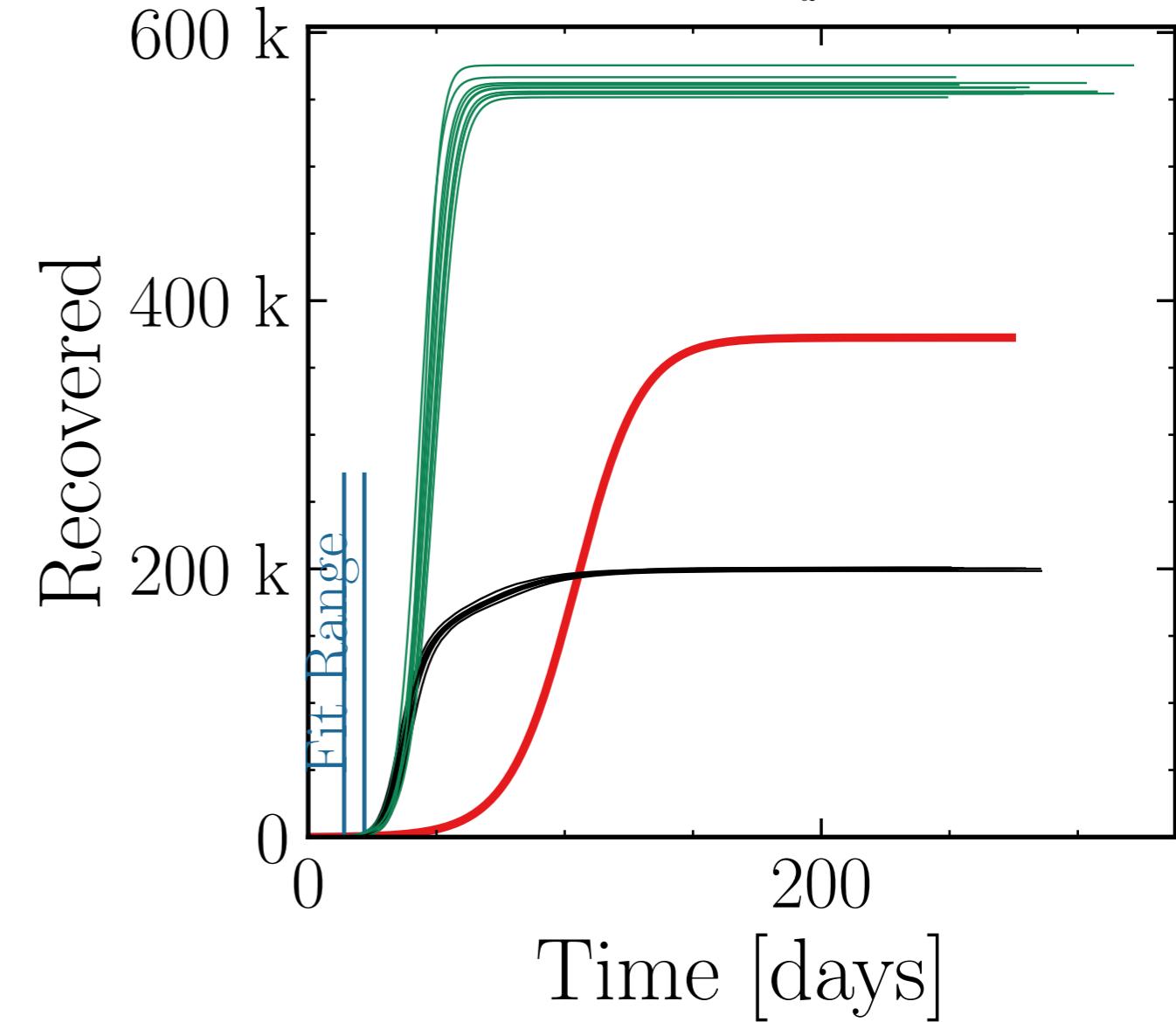
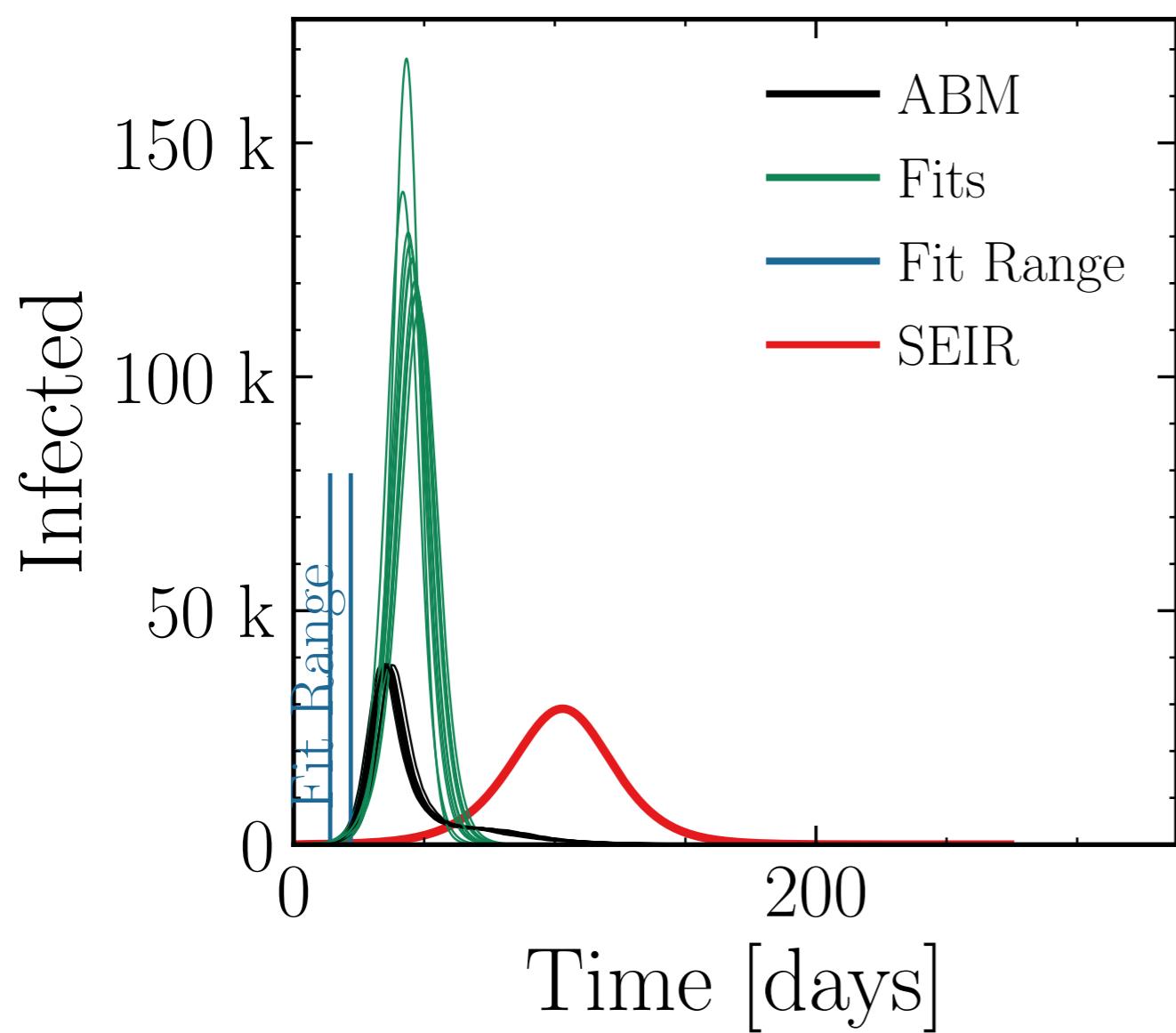
$N_{\text{events}} = 0$ , event<sub>size<sub>max</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{max}}^{\text{fit}} = (129 \pm 3.6\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 3.3 \pm 0.12$$

$$v. = 1.0, \text{hash} = \text{cf8f6b38f6}_{R_{\infty}^{\text{fit}}} \#10 \quad (560 \pm 0.37\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{fit}}} = 2.8 \pm 0.013$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.2$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , 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> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

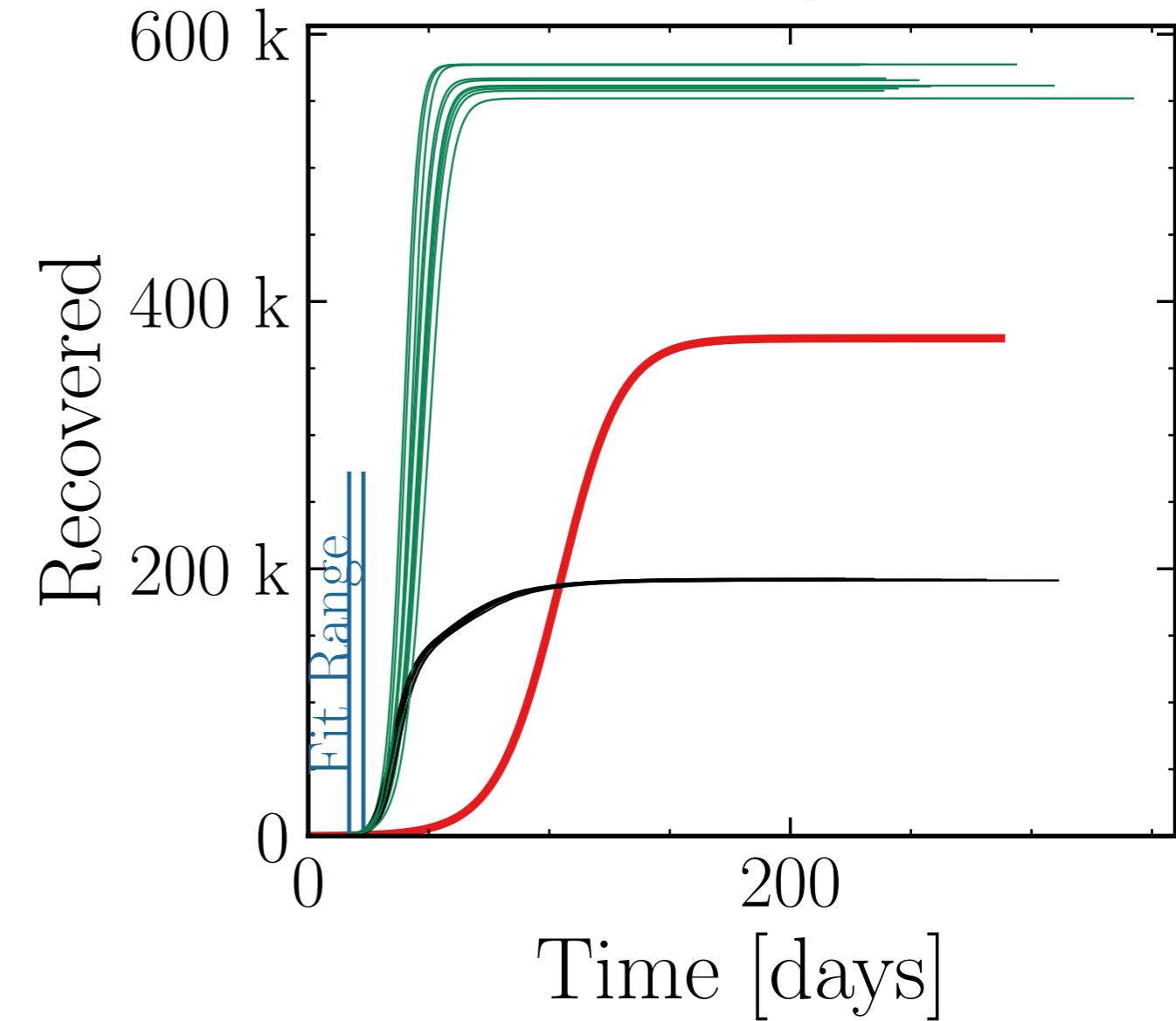
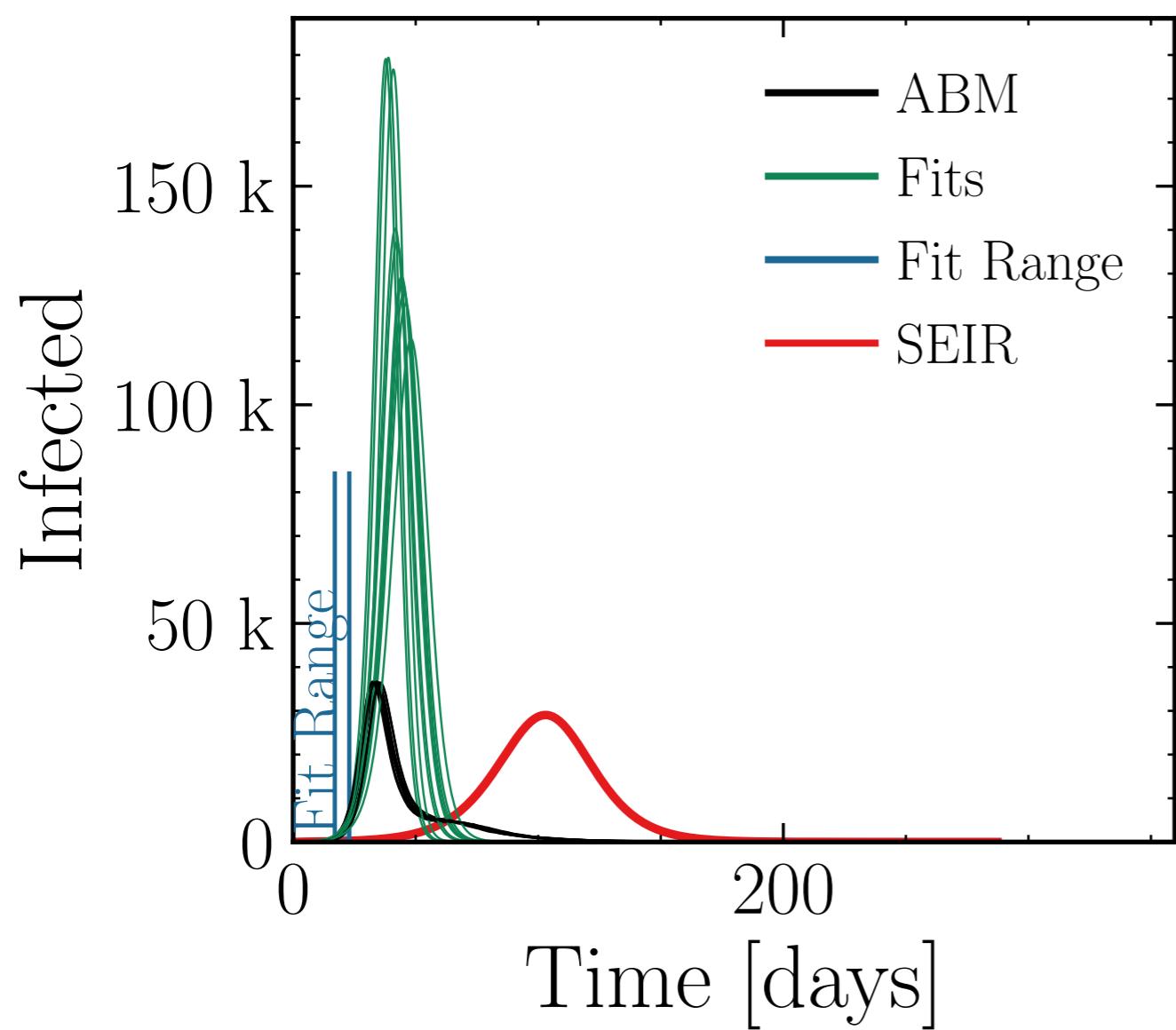
$$I_{\text{max}}^{\text{fit}} = (143 \pm 5.3\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 3.9 \pm 0.20$$

$$\text{v.} = 1.0, \text{hash} = \text{c0f7d75d66}$$

$$R_{\infty}^{\text{fit}} = (566 \pm 0.48\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 2.95 \pm 0.014$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.25$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , 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> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

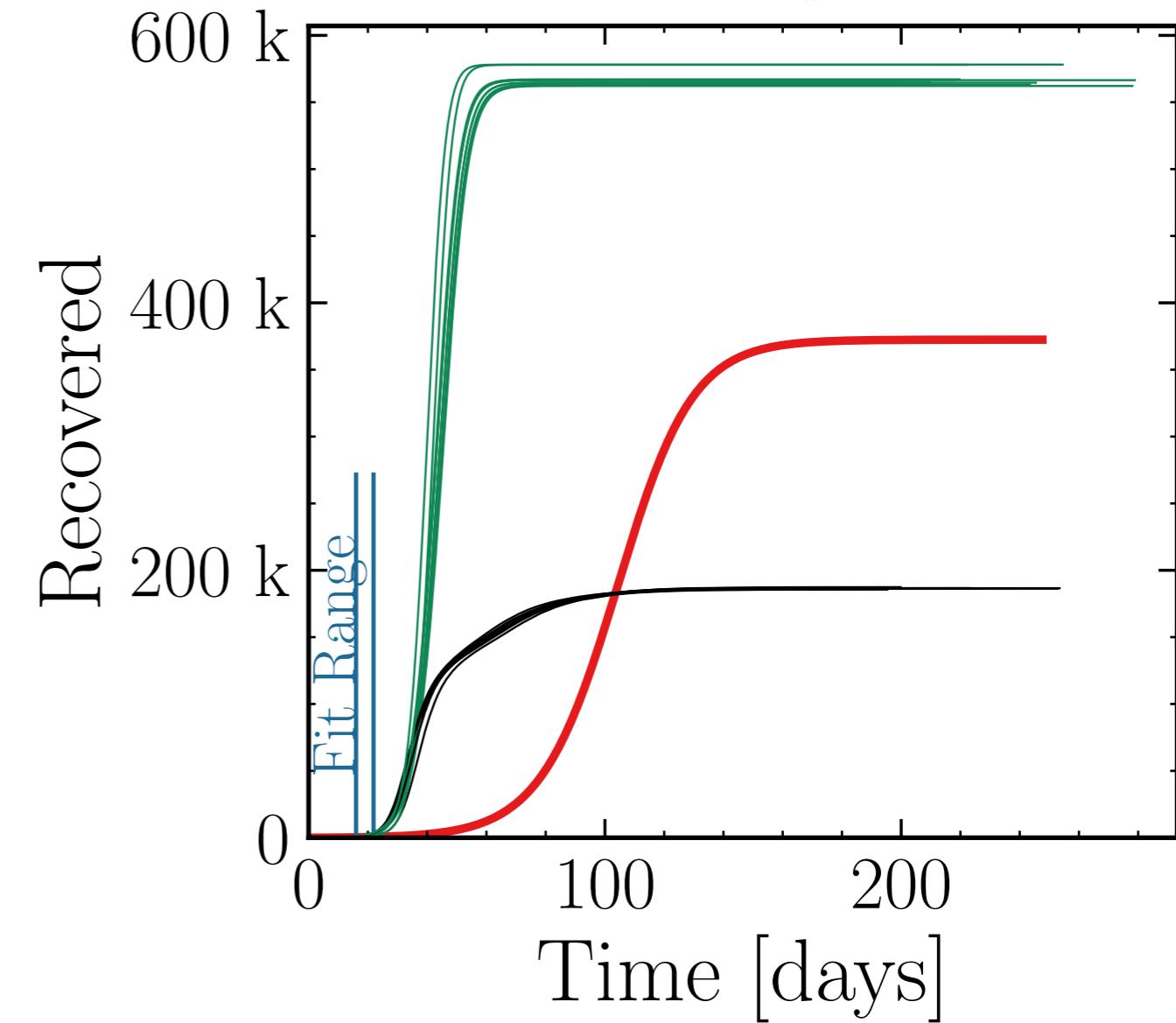
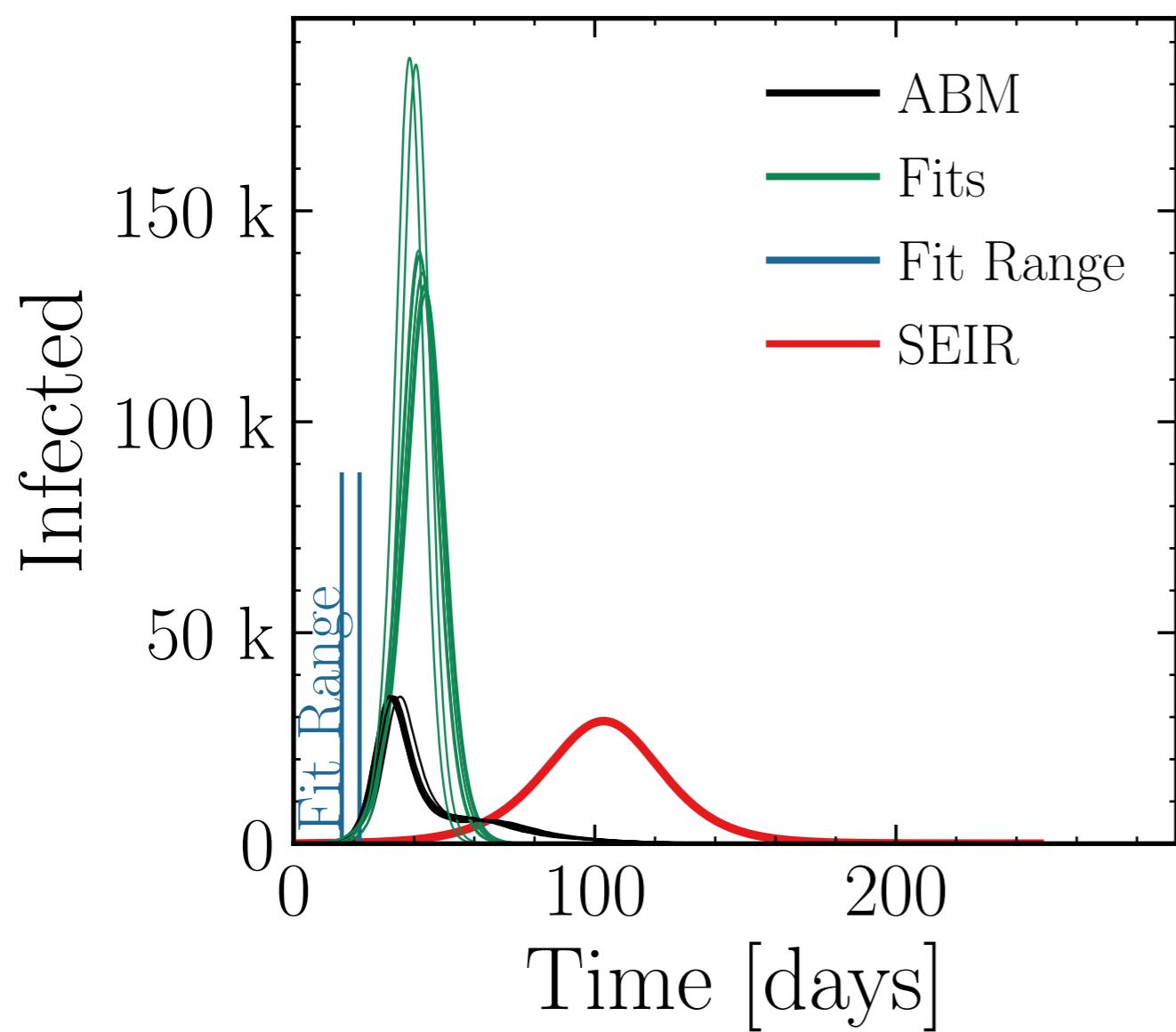
$$I_{\text{max}}^{\text{fit}} = (146 \pm 4.4\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{ABM}}^{\text{ABM}}} = 4.2 \pm 0.18$$

$$\text{v.} = 1.0, \text{hash} = \text{b89c8873bc}\#\#10$$

$$R_{\infty}^{\text{fit}} = (567 \pm 0.31\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 3.04 \pm 0.011$$



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

$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

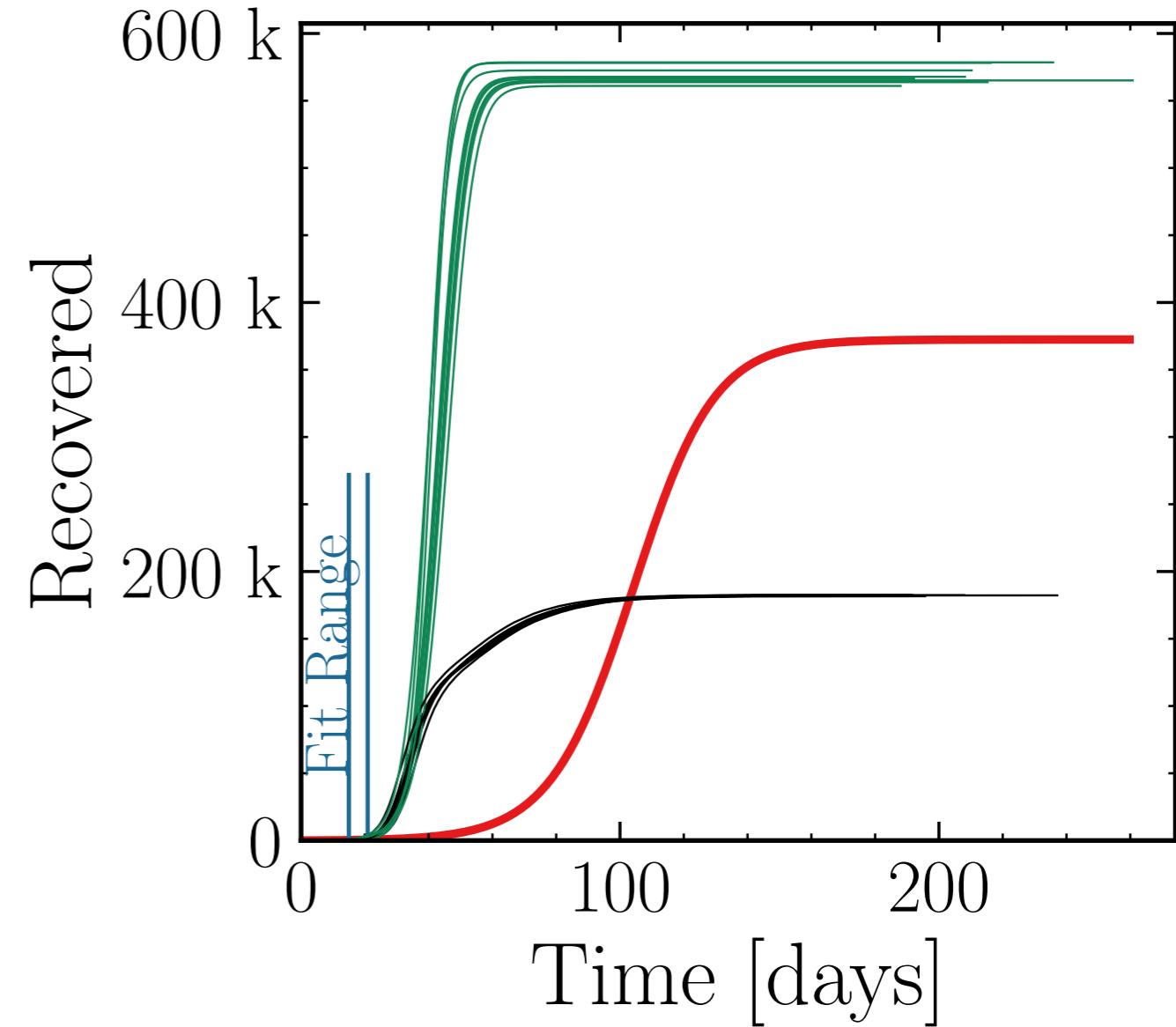
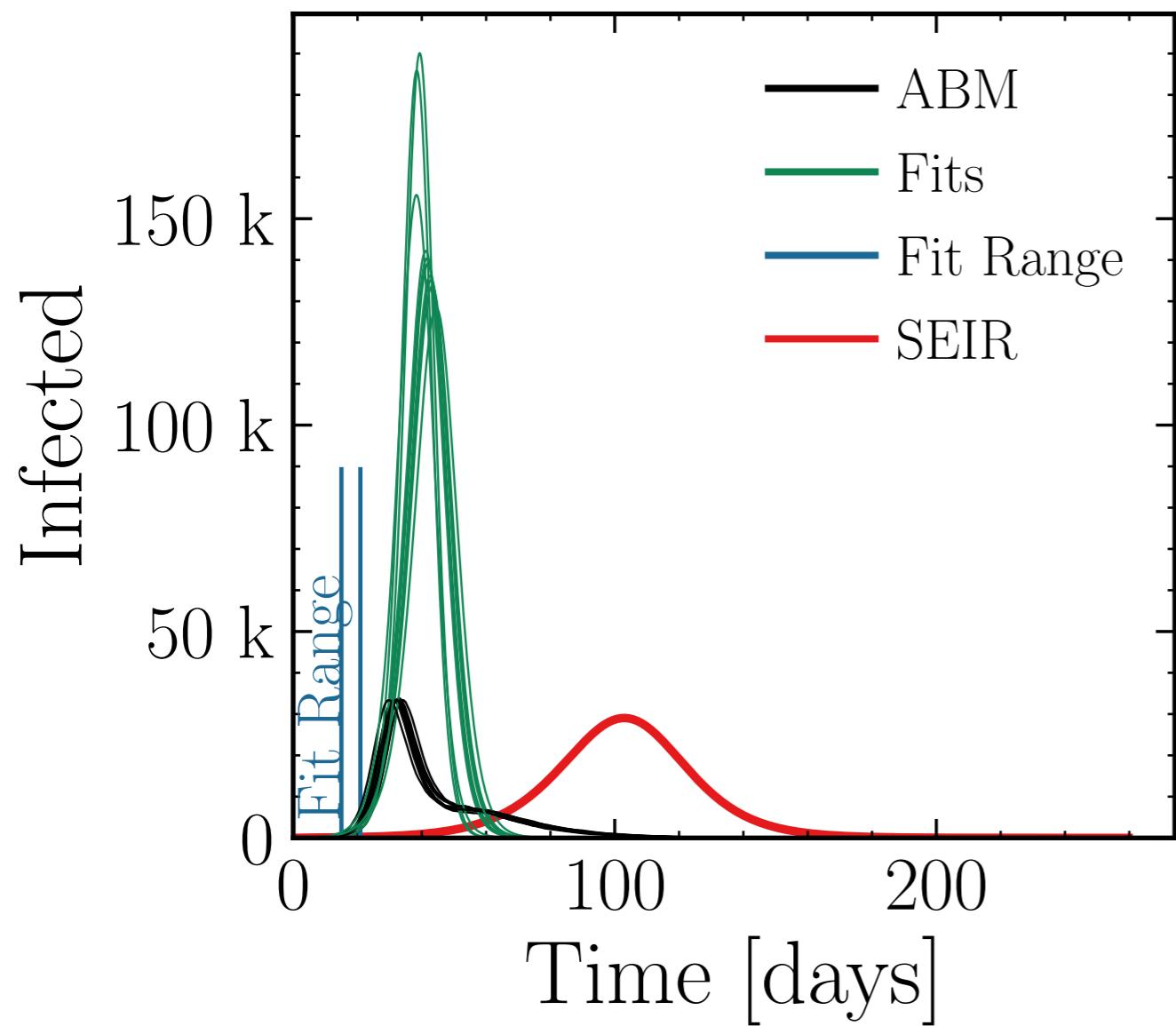
$N_{\text{events}} = 0$ , event<sub>size<sub>max</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{max}}^{\text{fit}} = (149 \pm 4.4\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{ABM}}^{\text{fit}}} = 4.4 \pm 0.19$$

$$\text{v.} = 1.0, \text{hash} = \text{f110866891}, R_{\infty}^{\text{fit}} = (568 \pm 0.32\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 3.12 \pm 0.0096$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.4$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , 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> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

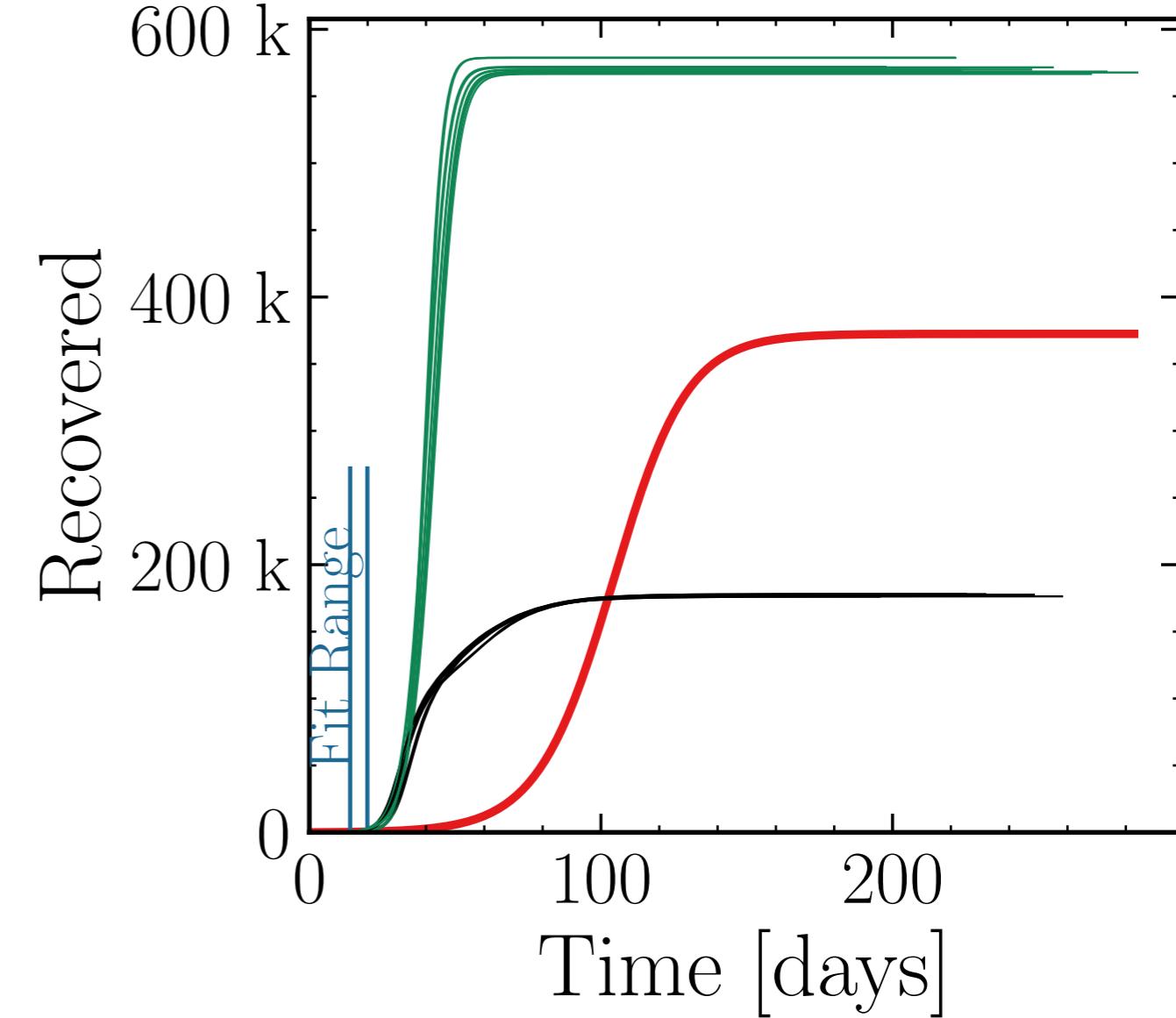
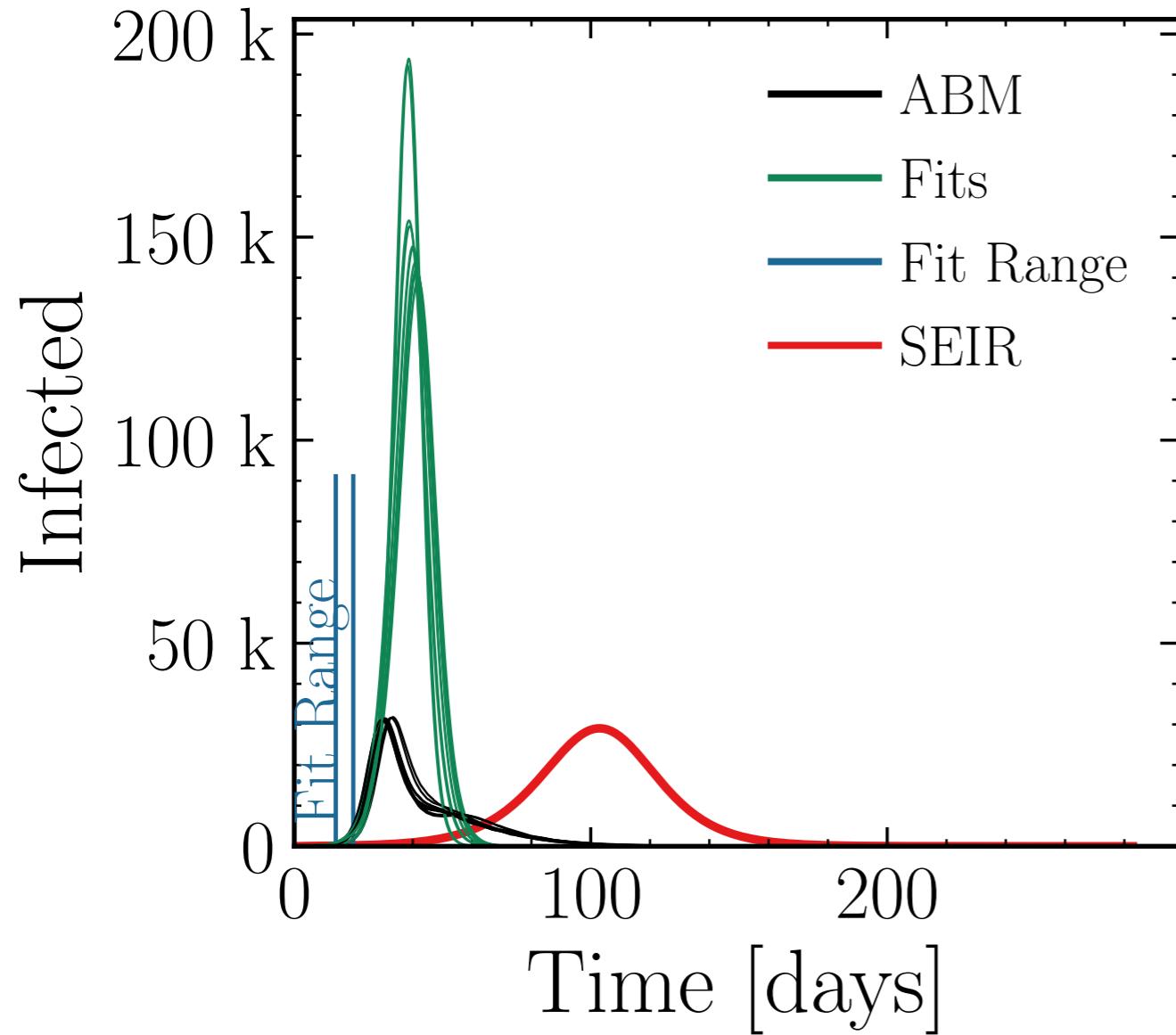
$$I_{\text{max}}^{\text{fit}} = (156 \pm 3.9\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 5 \pm 0.18$$

$$\text{v.} = 1.0, \text{hash} = 54397bc958, \#10$$

$$R_{\infty}^{\text{fit}} = (571 \pm 0.23\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 3.223 \pm 0.0085$$



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

$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

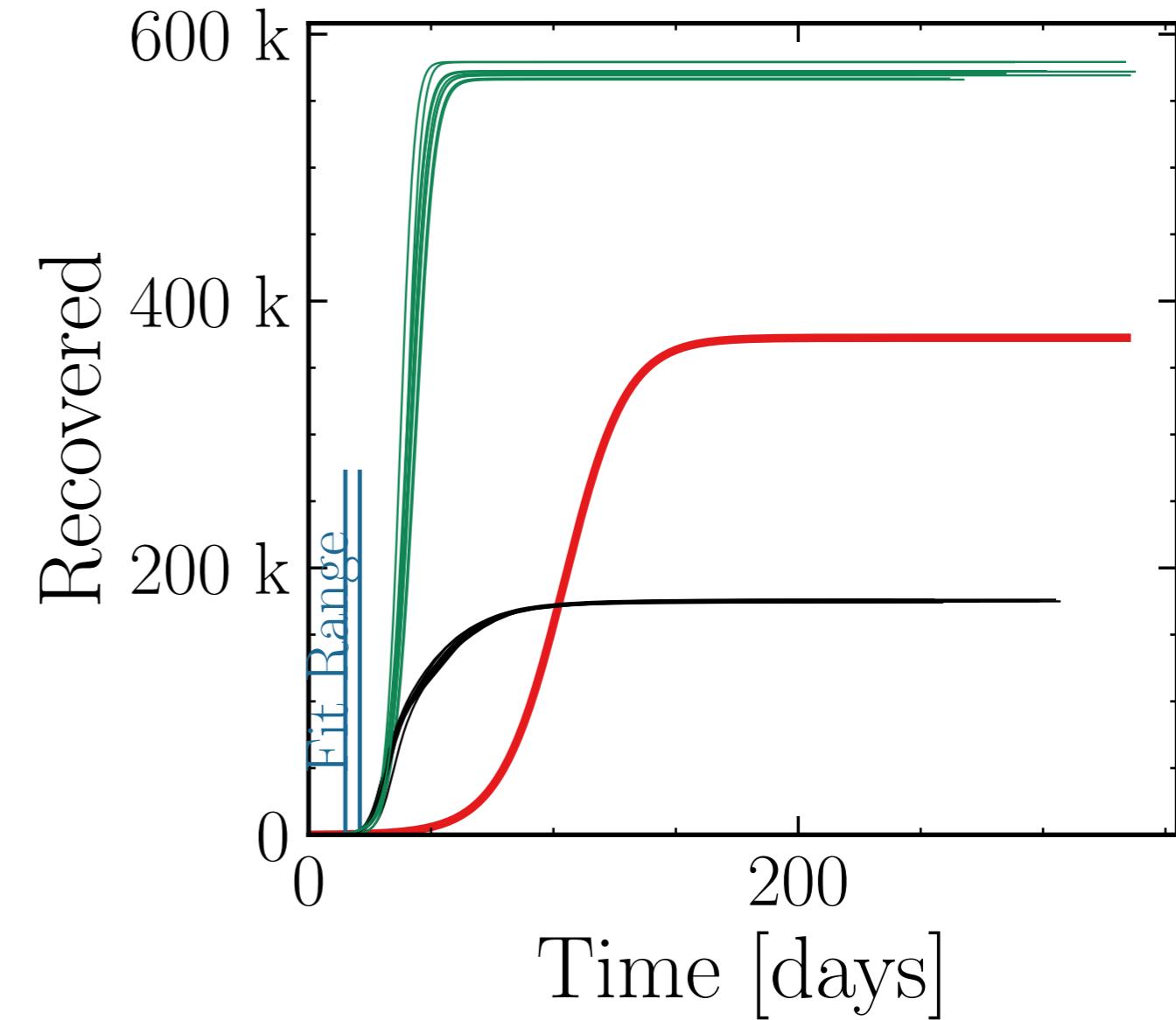
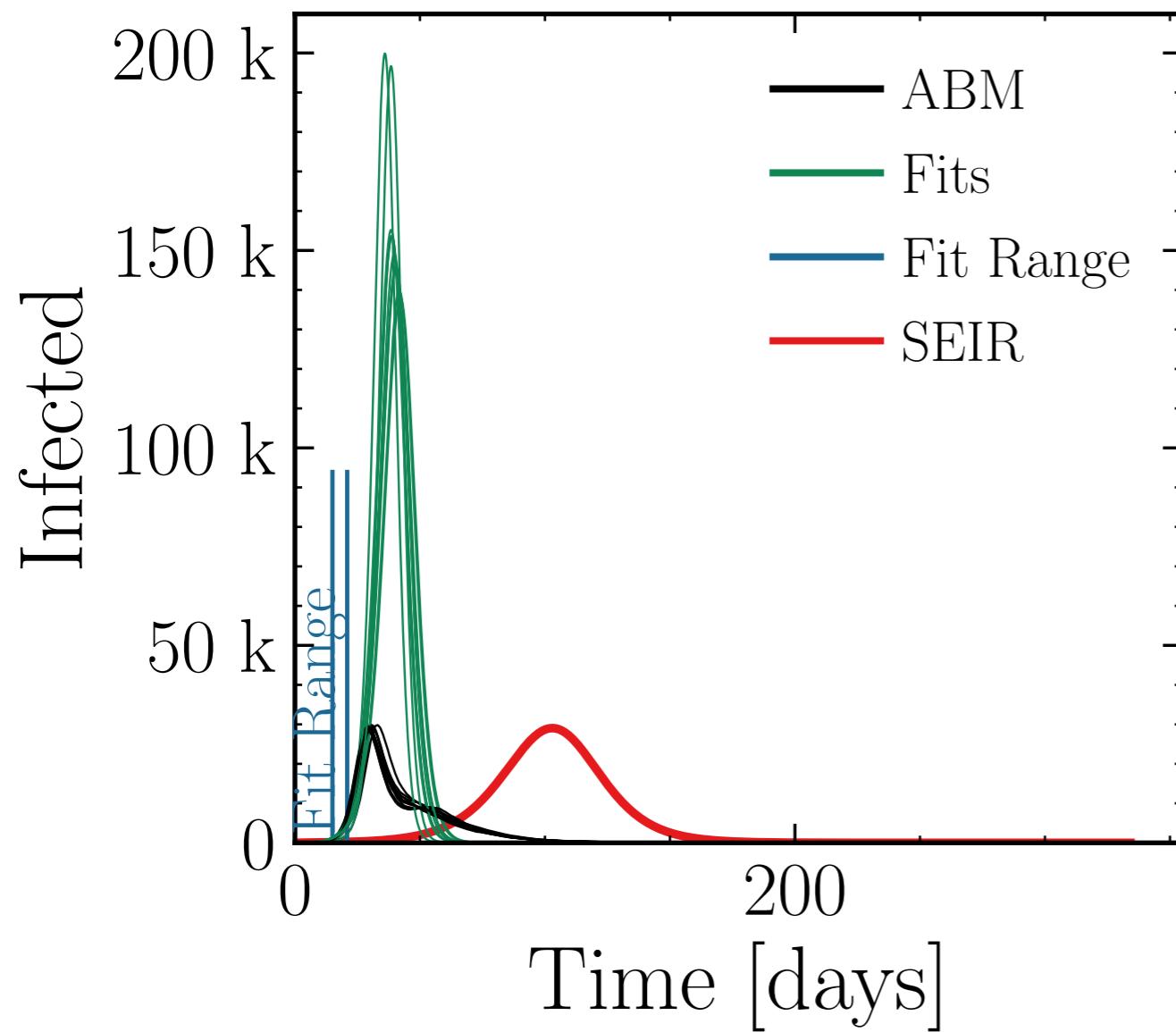
$N_{\text{events}} = 0$ , event<sub>size<sub>max</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$$I_{\text{max}}^{\text{fit}} = (158 \pm 4.2\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{ABM}}^{\text{fit}}} = 5.4 \pm 0.22$$

$$v. = 1.0, \text{hash} = 494f64f7e0\#10, (572 \pm 0.24\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 3.258 \pm 0.0086$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.01$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.007$ ,  $\sigma_\beta = 0.0$ , 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> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

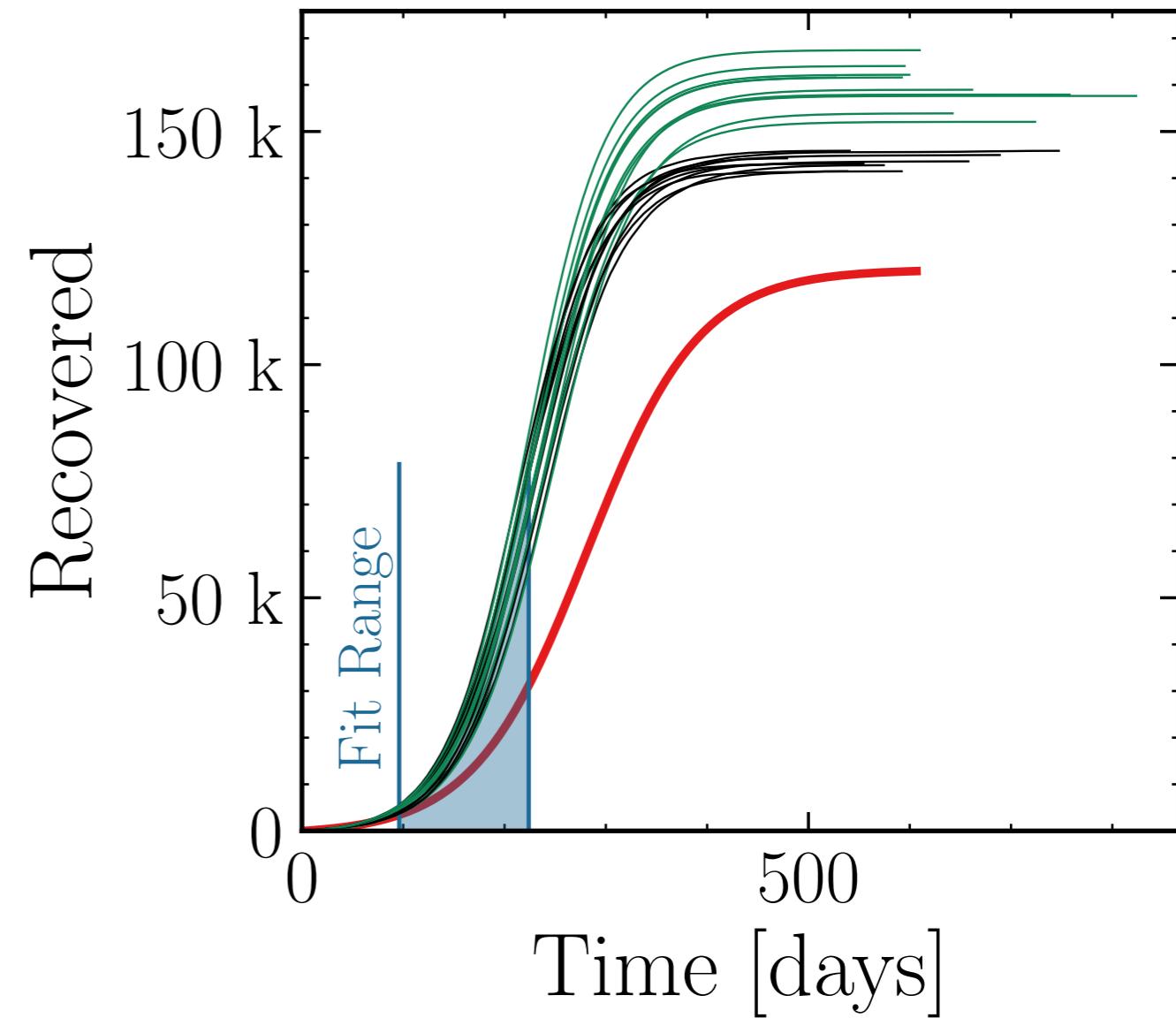
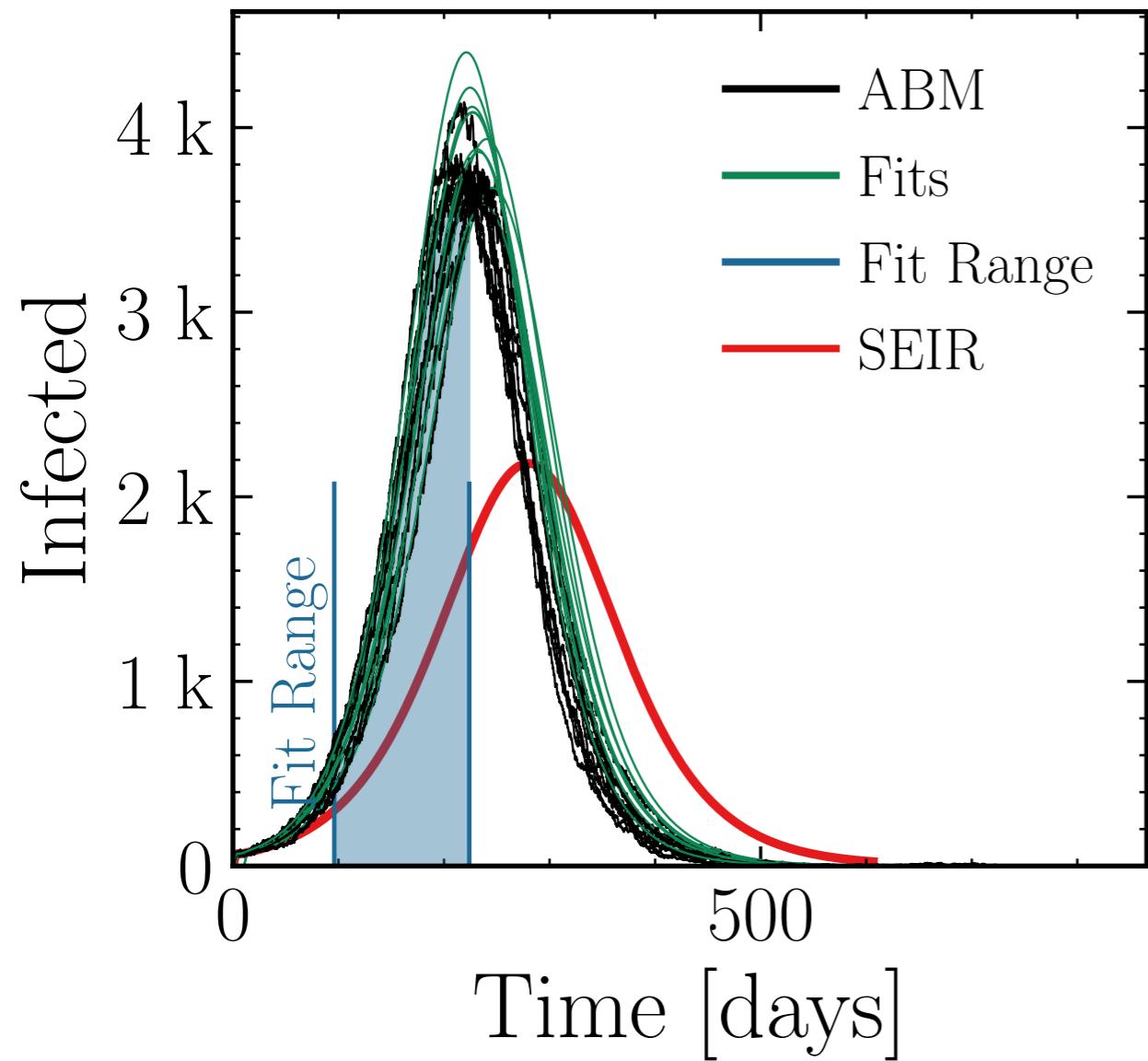
$$I_{\text{max}}^{\text{fit}} = (3.98 \pm 1.9\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1.04 \pm 0.017$$

$$v. = 1.0, \text{hash} = 562e047d8b, \#10$$

$$R_{\infty}^{\text{fit}} = (160 \pm 0.87\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.11 \pm 0.010$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.005$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.007$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

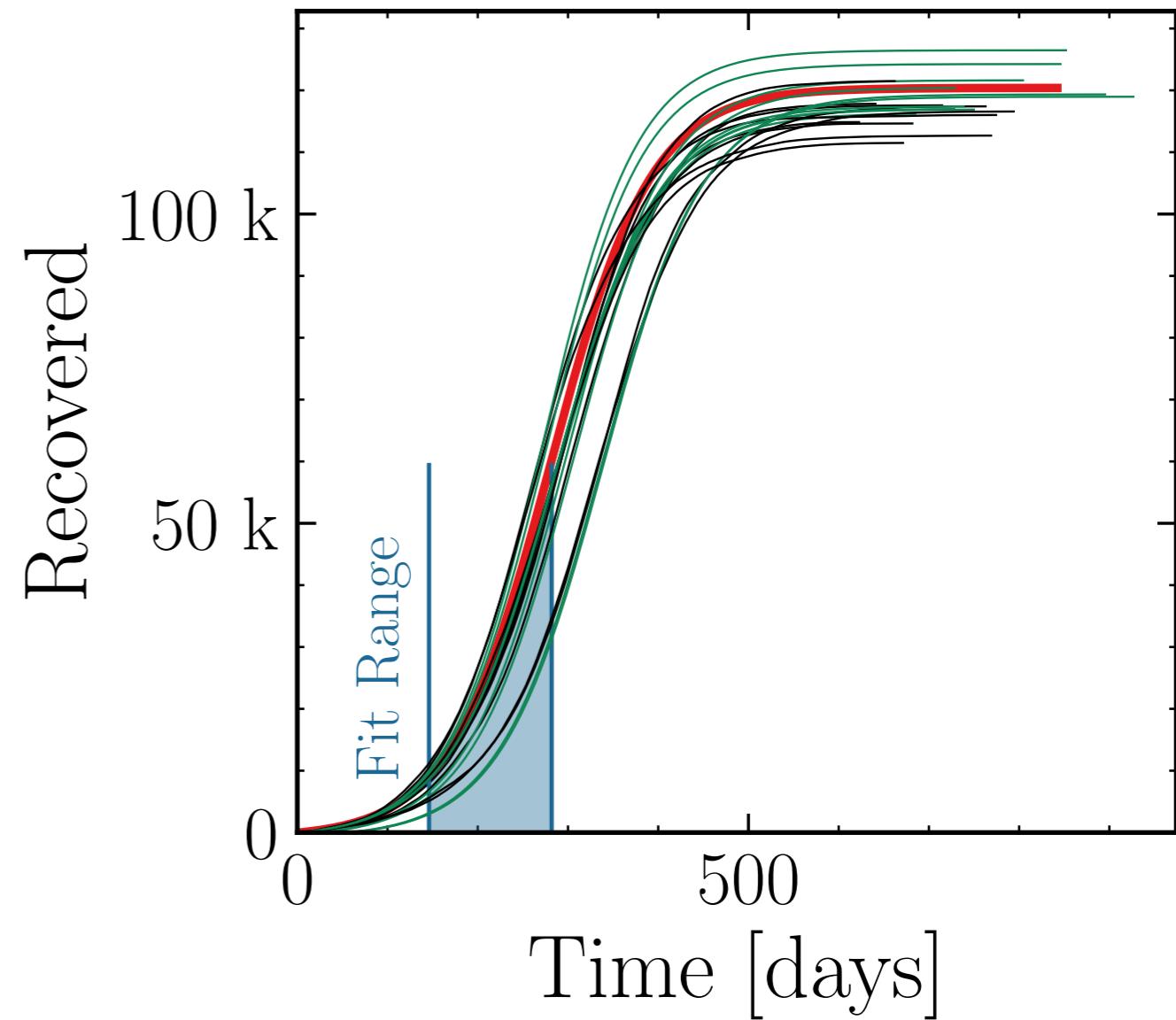
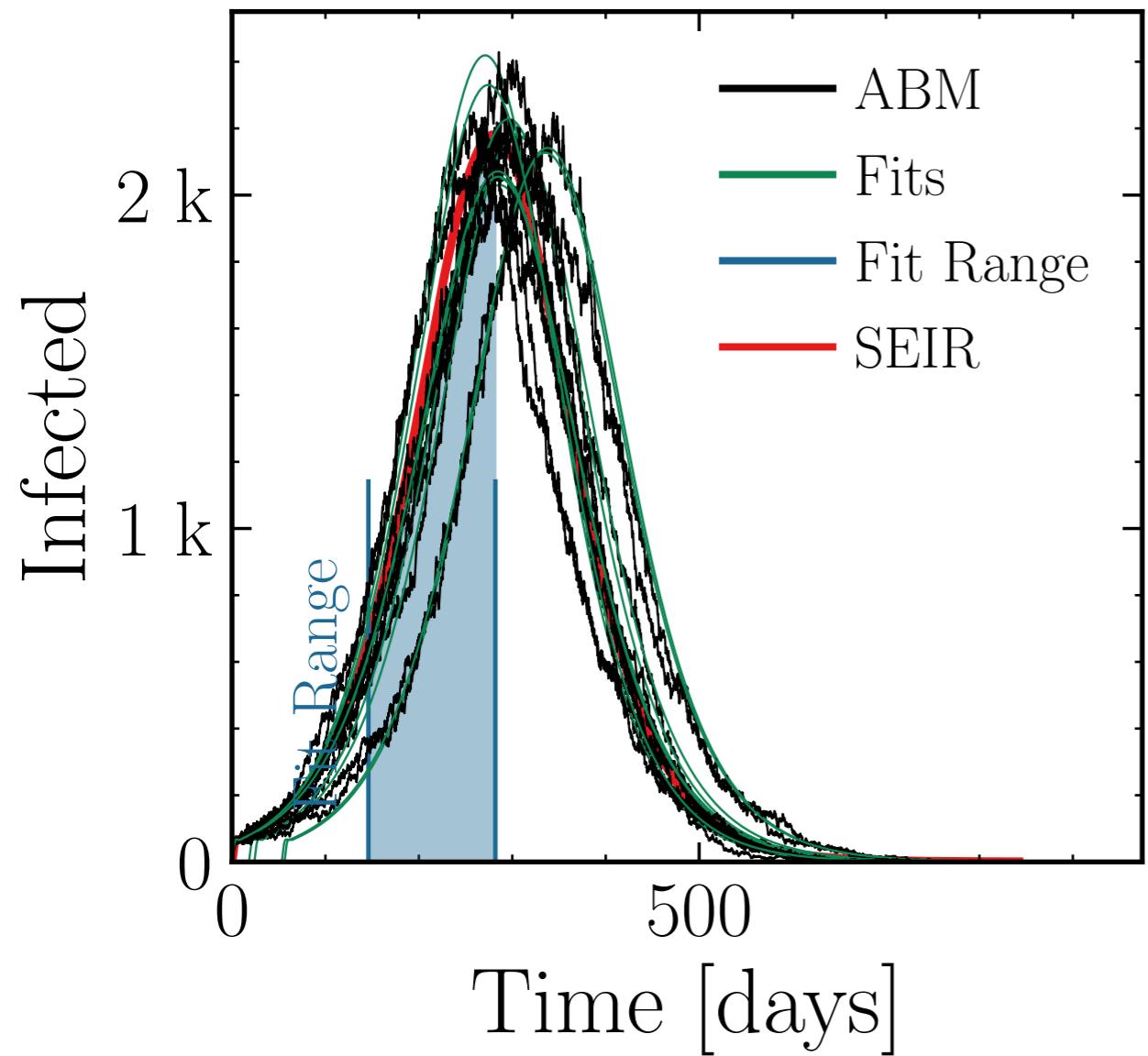
$N_{\text{events}} = 0$ , event<sub>size<sub>max</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$$I_{\text{max}}^{\text{fit}} = (2.16 \pm 1.8\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 0.98 \pm 0.02$$

$$\text{v.} = 1.0, \text{hash} = 663807e256, \#10, (120 \pm 0.84\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{fit}}} = 1.03 \pm 0.012$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.007$ ,  $\sigma_\beta = 0.0$ , 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> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

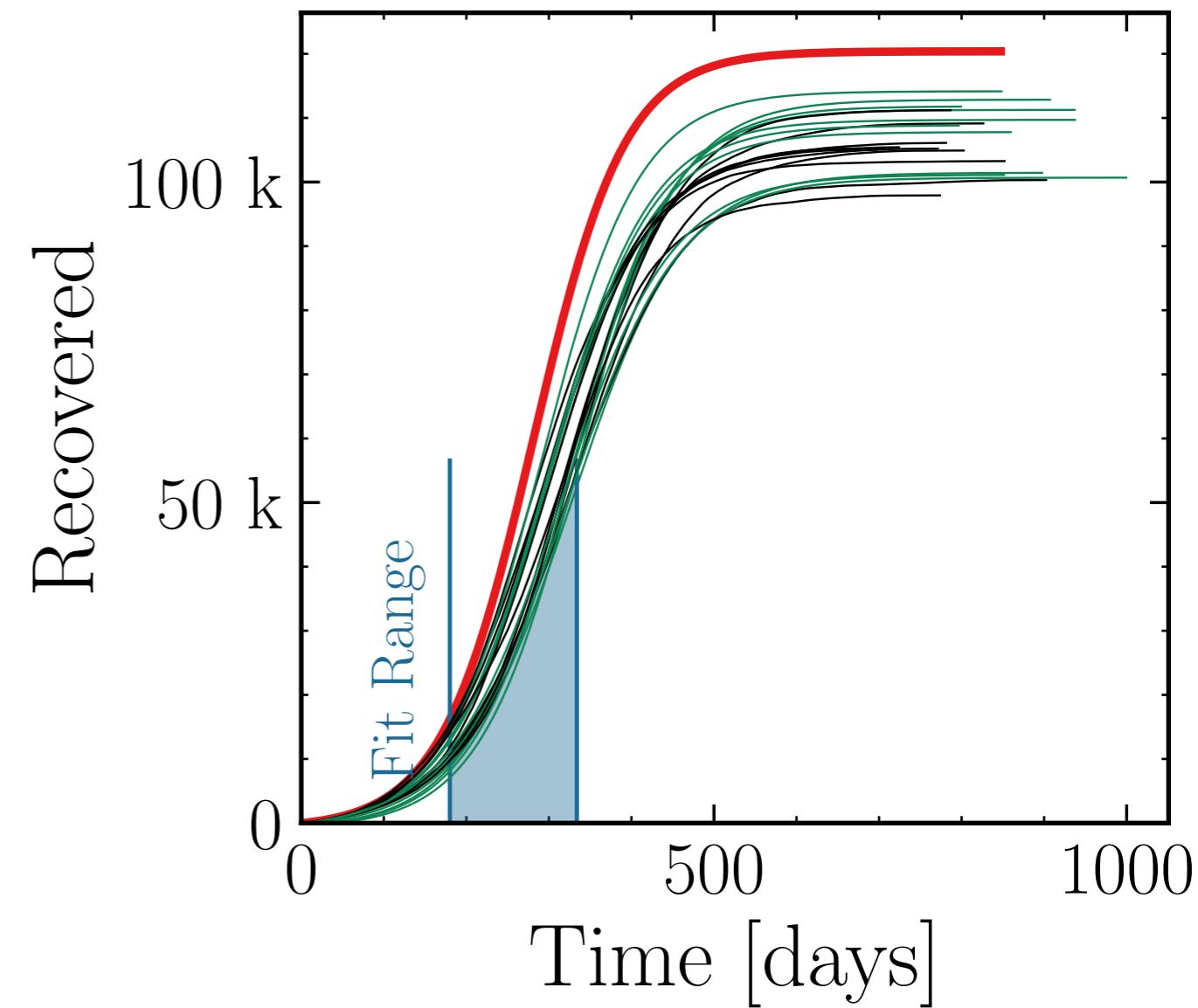
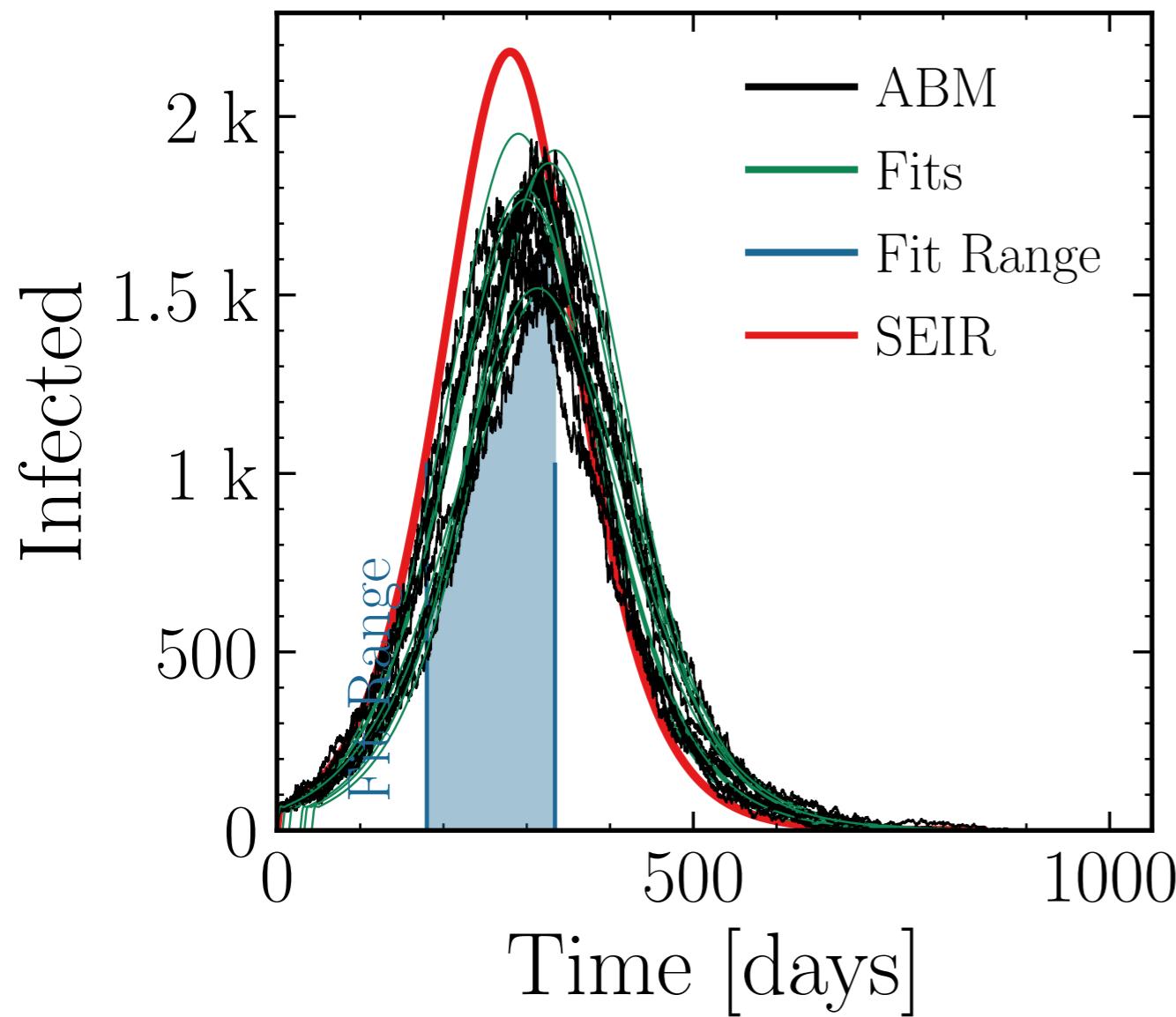
$$I_{\text{max}}^{\text{fit}} = (1.74 \pm 2.9\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 0.997 \pm 0.018$$

$$\text{v.} = 1.0, \text{hash} = 211b953ac1\#\#10$$

$$R_{\infty}^{\text{fit}} = (108 \pm 1.4\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.03 \pm 0.010$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.015$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.007$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

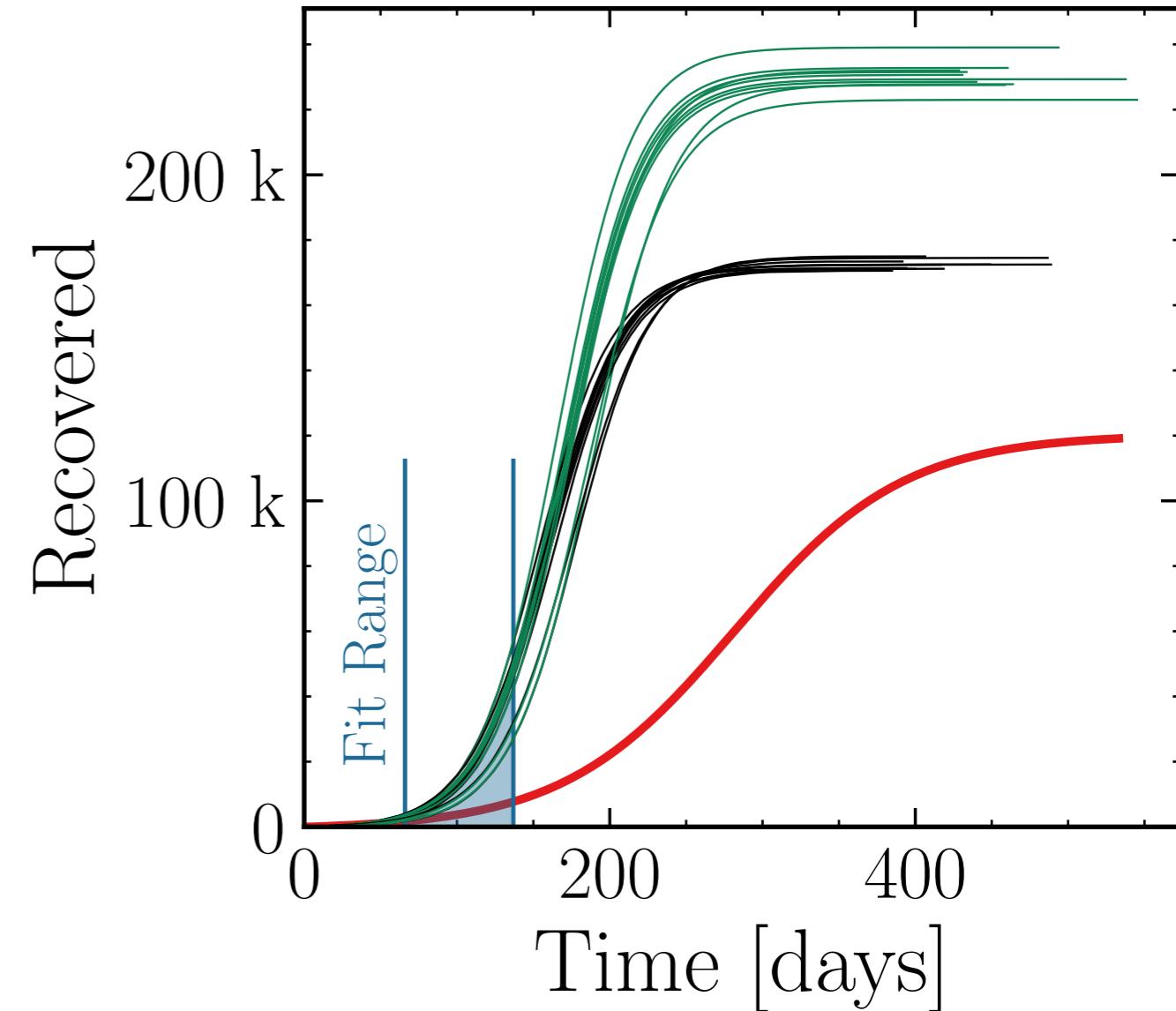
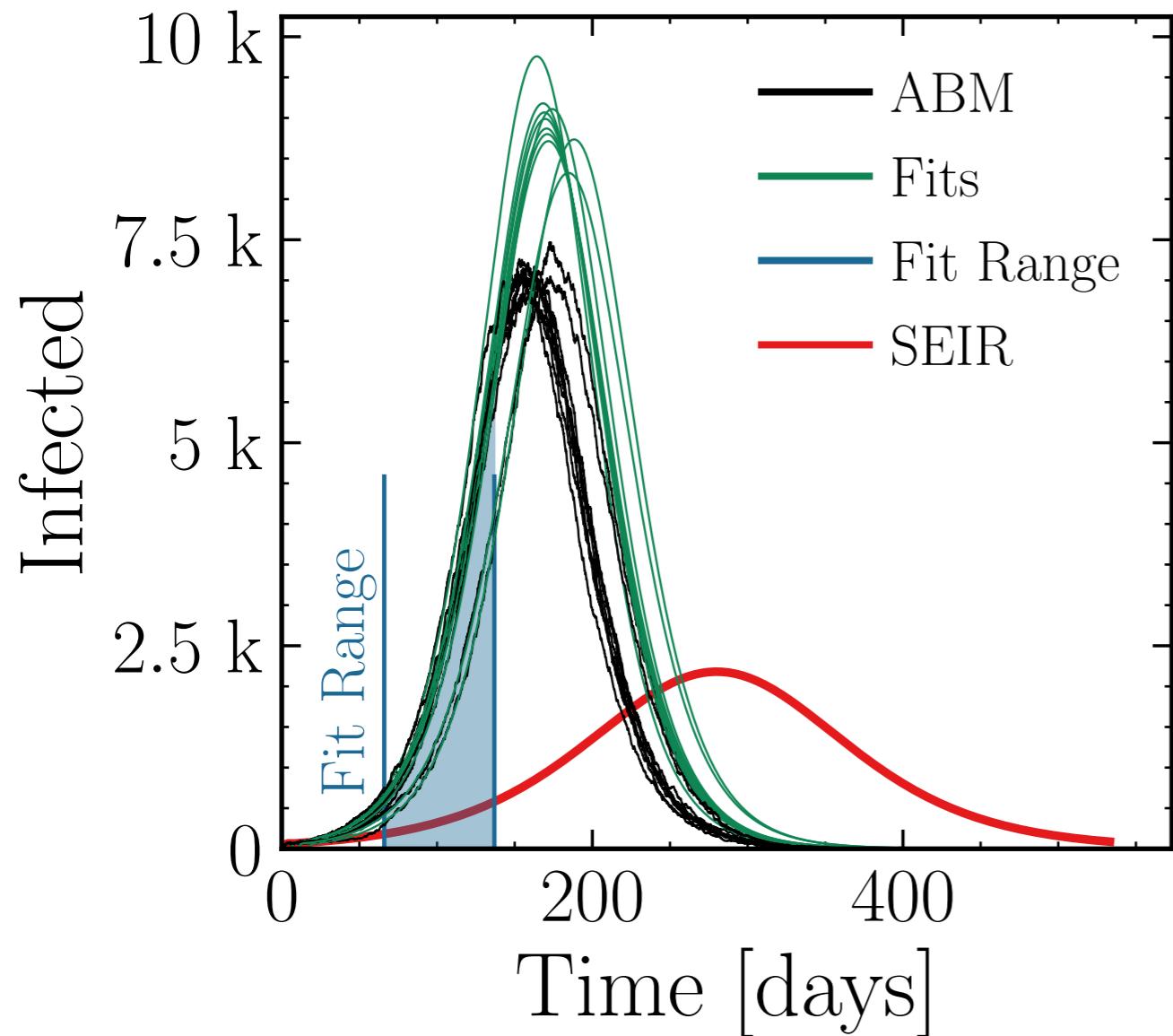
$N_{\text{events}} = 0$ , event<sub>size<sub>max</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{max}}^{\text{fit}} = (9 \pm 1.3\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1.26 \pm 0.019 \quad v. = 1.0, \text{hash} = 544131a886, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (230 \pm 0.55\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.335 \pm 0.0094$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.025$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.007$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

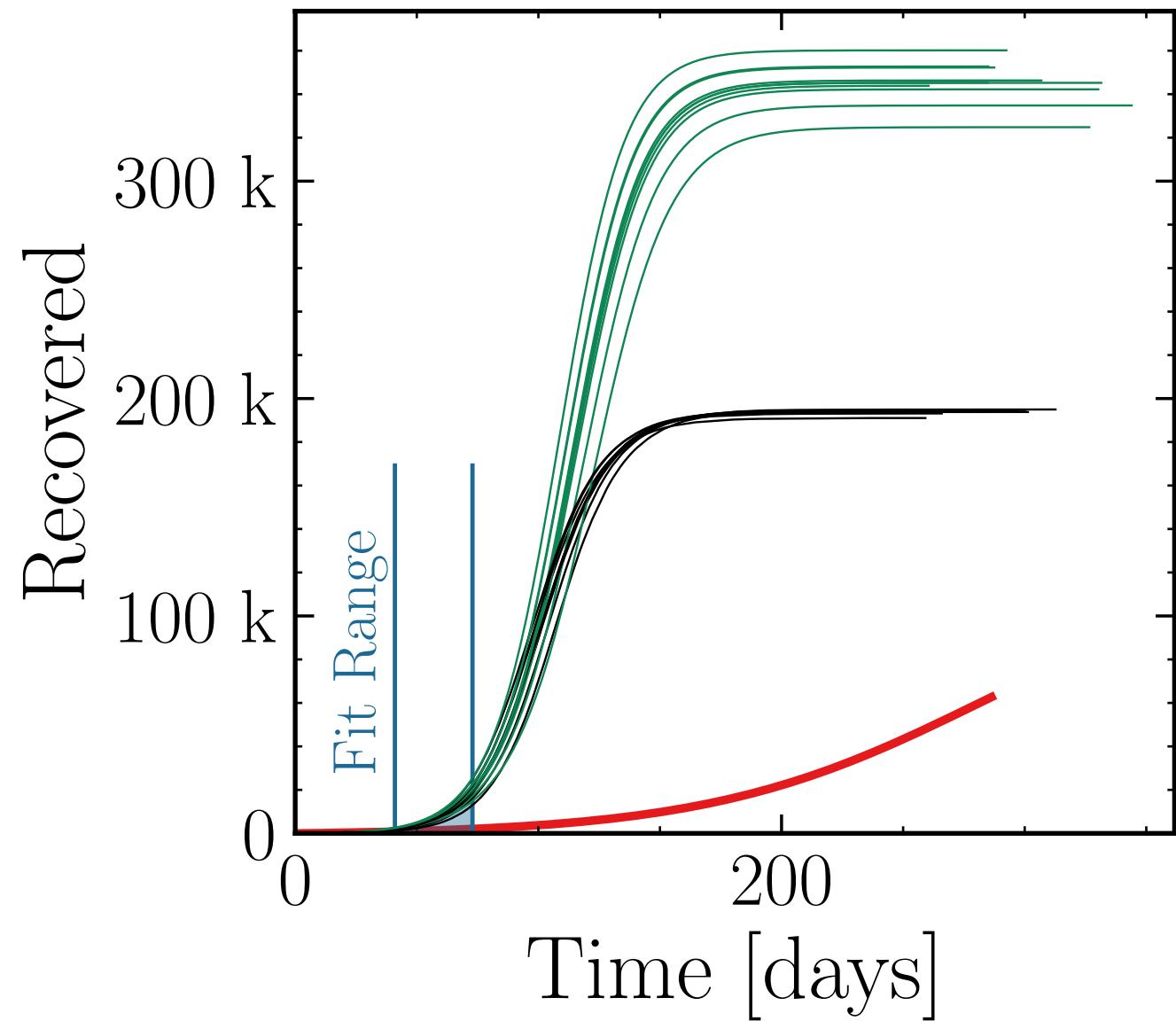
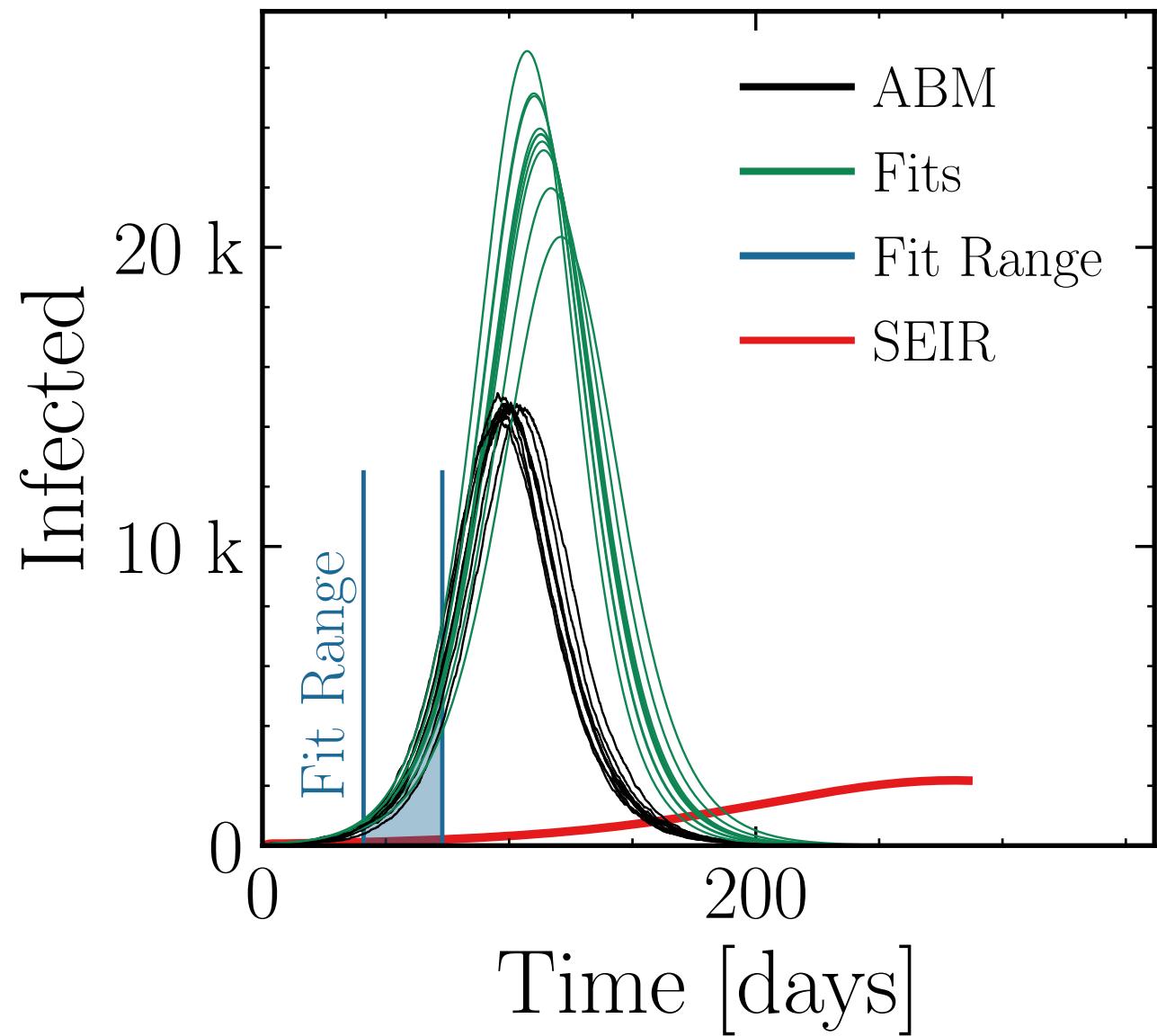
$N_{\text{events}} = 0$ , event<sub>size<sub>max</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{max}}^{\text{fit}} = (23.7 \pm 2.2\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1.62 \pm 0.037 \quad v. = 1.0, \text{ hash} = 9\text{bdf6474ee}, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (345 \pm 0.85\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.78 \pm 0.017$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.05$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.007$ ,  $\sigma_\beta = 0.0$ , 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> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

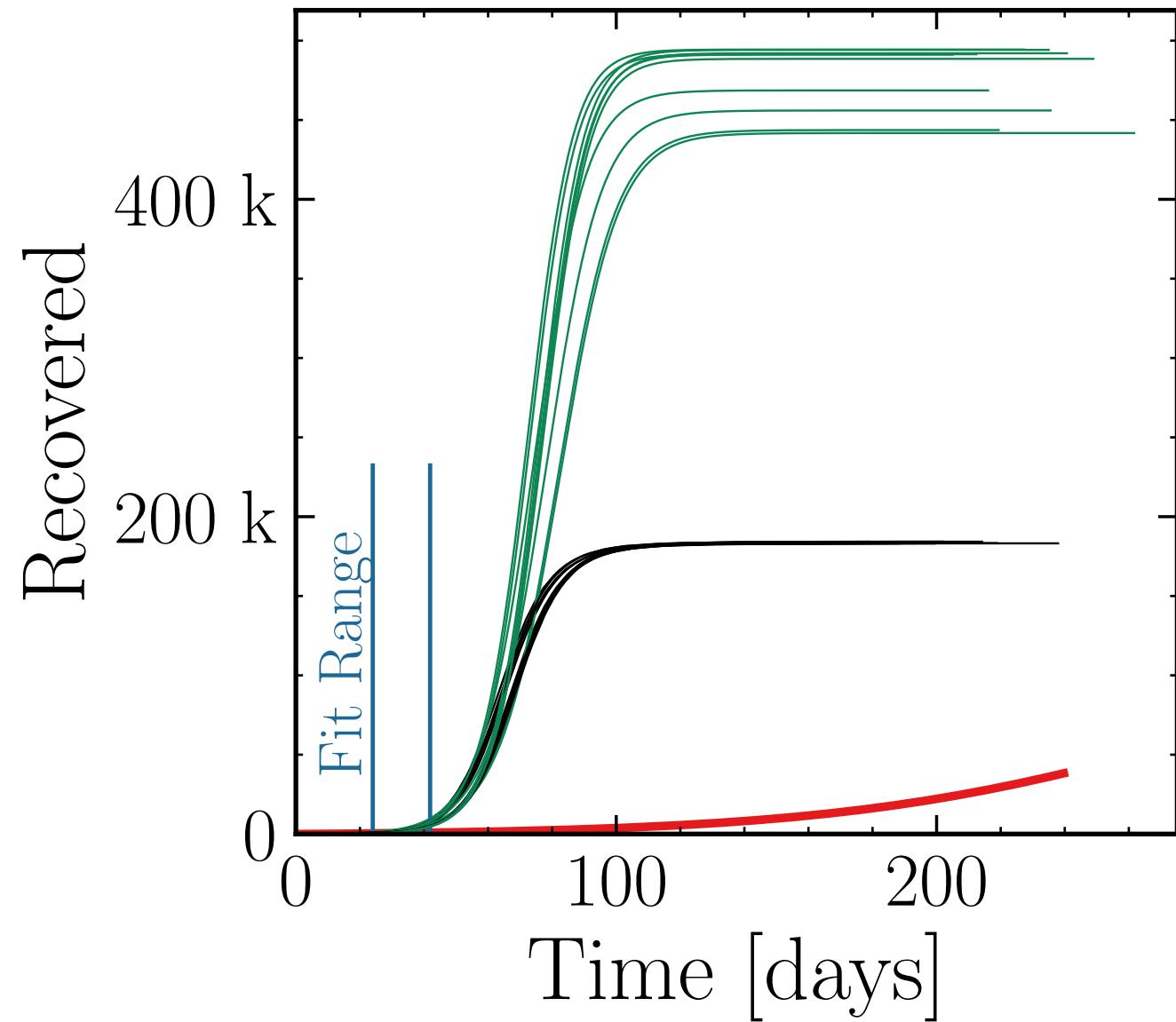
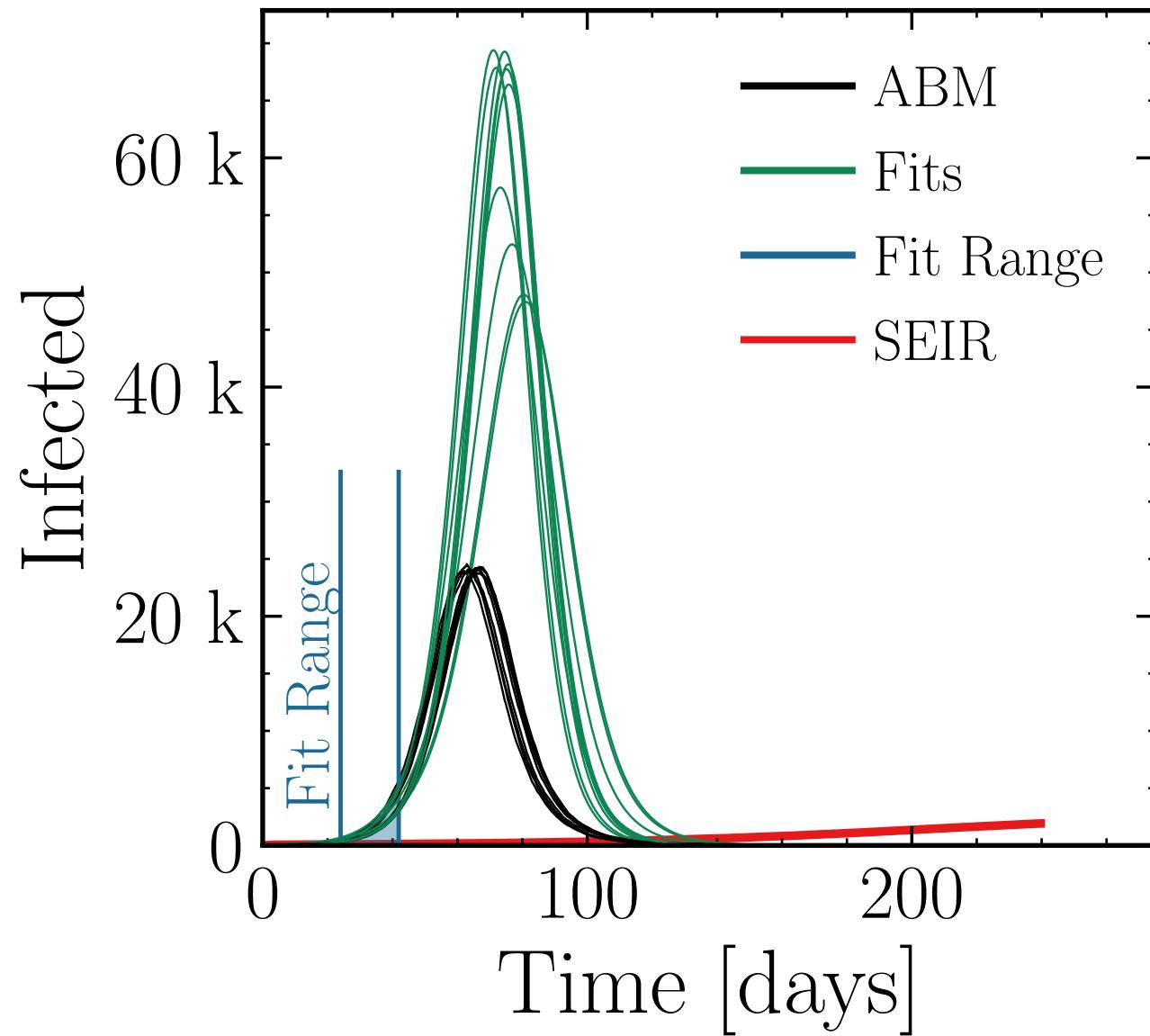
$$I_{\text{max}}^{\text{fit}} = (61 \pm 4.5\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 2.5 \pm 0.11$$

$$\text{v.} = 1.0, \text{hash} = 5a8440f23f \#10$$

$$R_{\infty}^{\text{fit}} \# (476 \pm 1.4\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 2.59 \pm 0.035$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.075$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.007$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

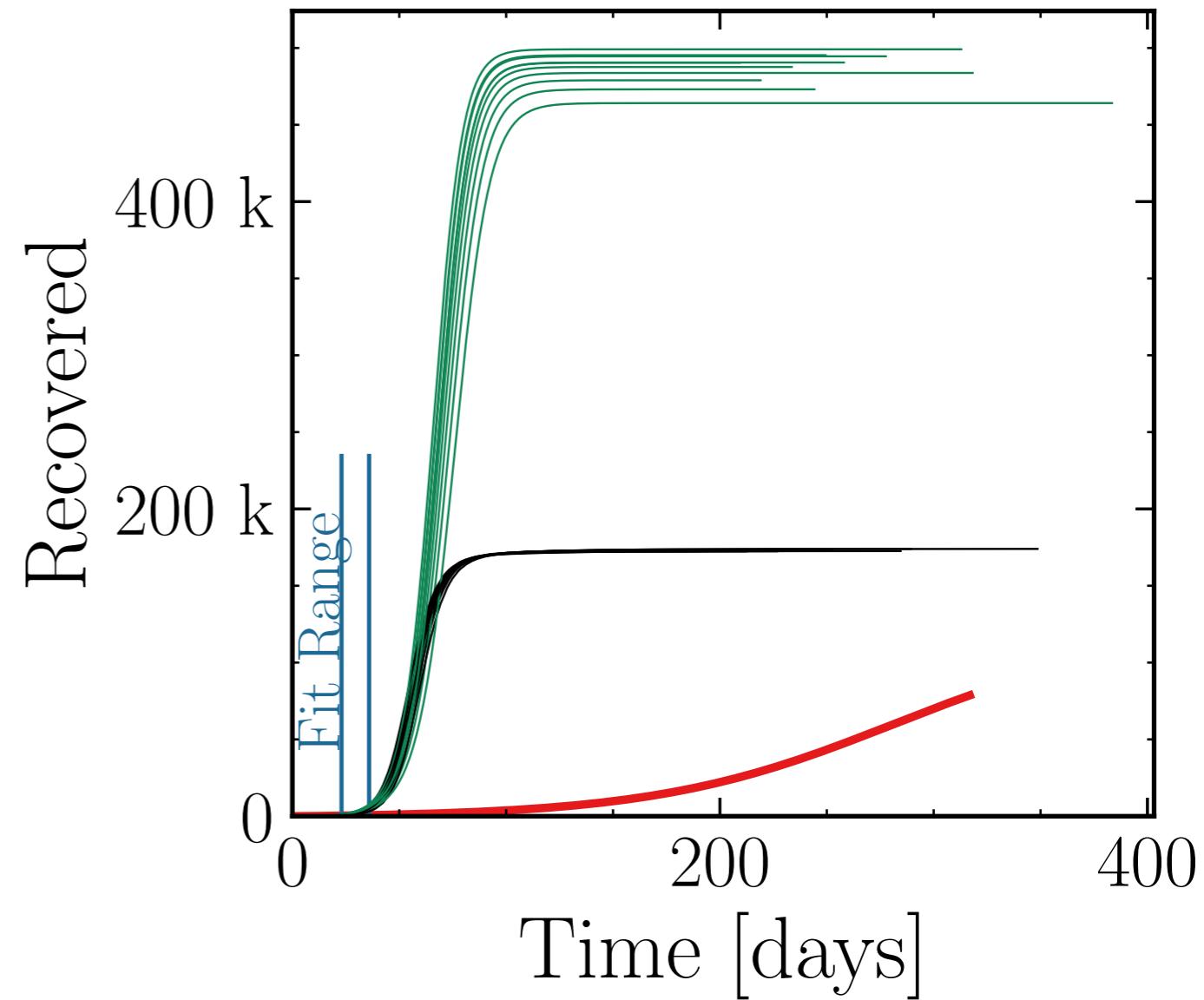
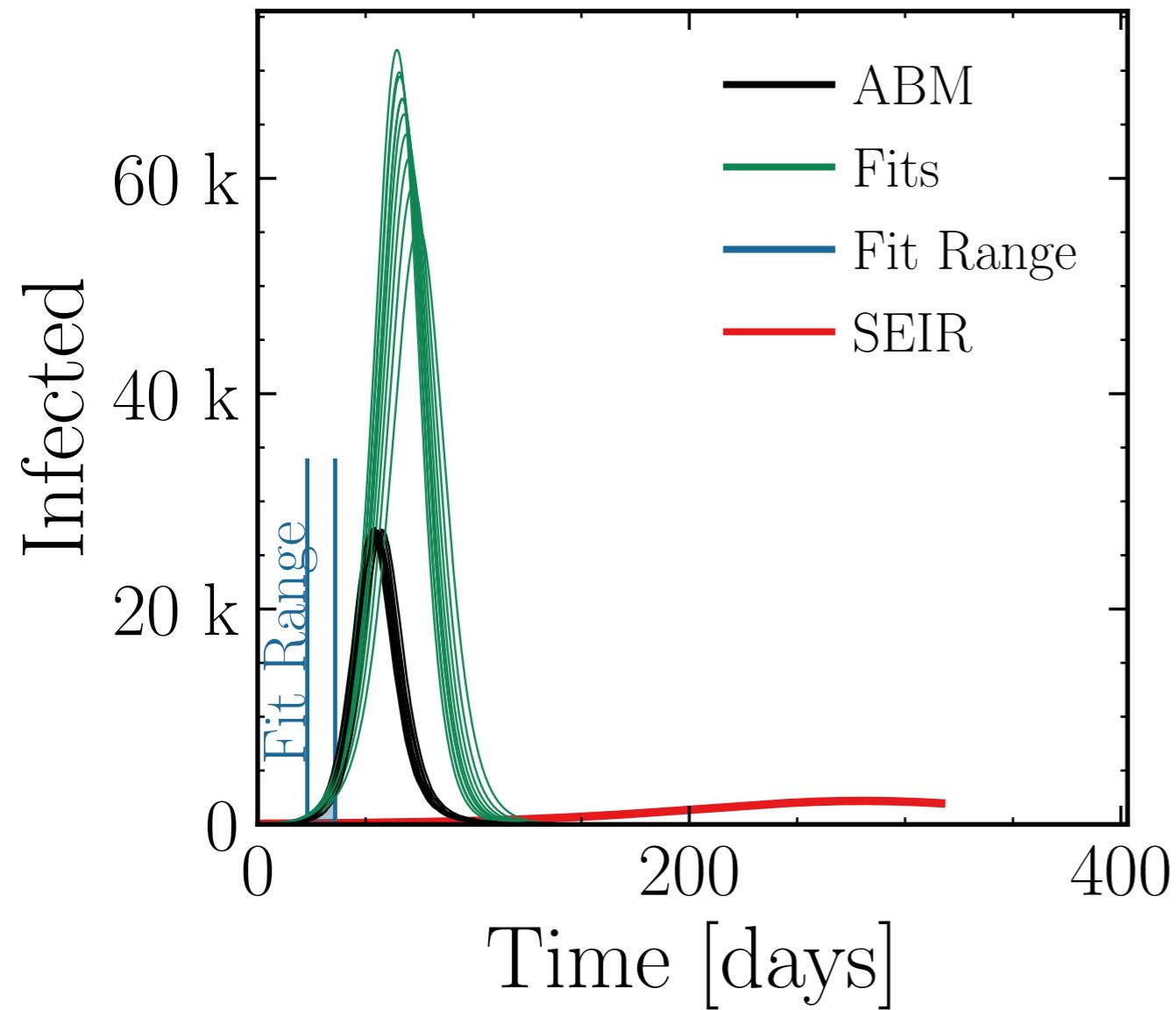
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 0$ , event<sub>size<sub>max</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{max}}^{\text{fit}} = (65 \pm 2.3\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 2.39 \pm 0.057 \quad v. = 1.0, \text{hash} = \text{f888087774}, \#10 \quad R_{\infty}^{\text{fit}} = (486 \pm 0.68\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 2.81 \pm 0.021$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.007$ ,  $\sigma_\beta = 0.0$ , 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> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

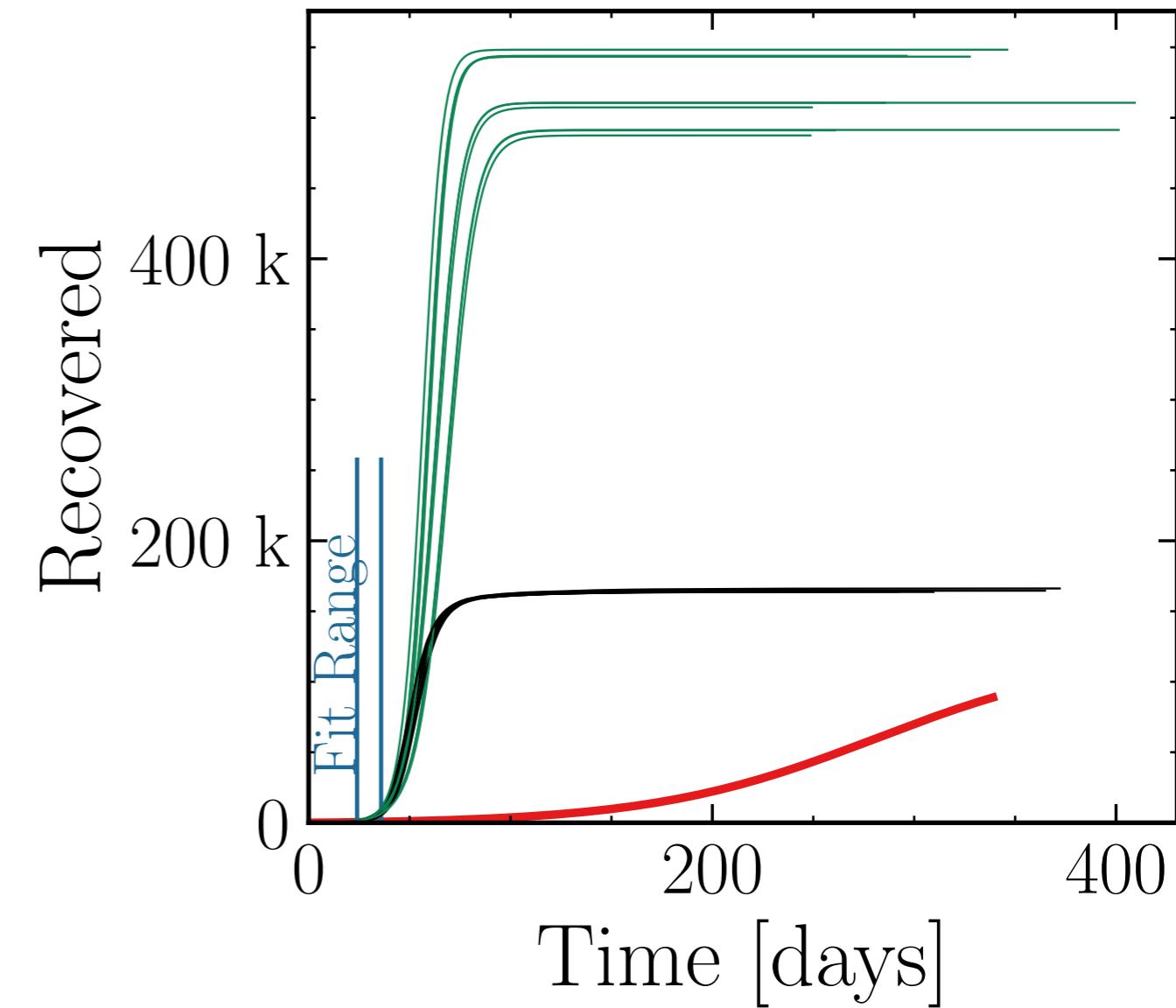
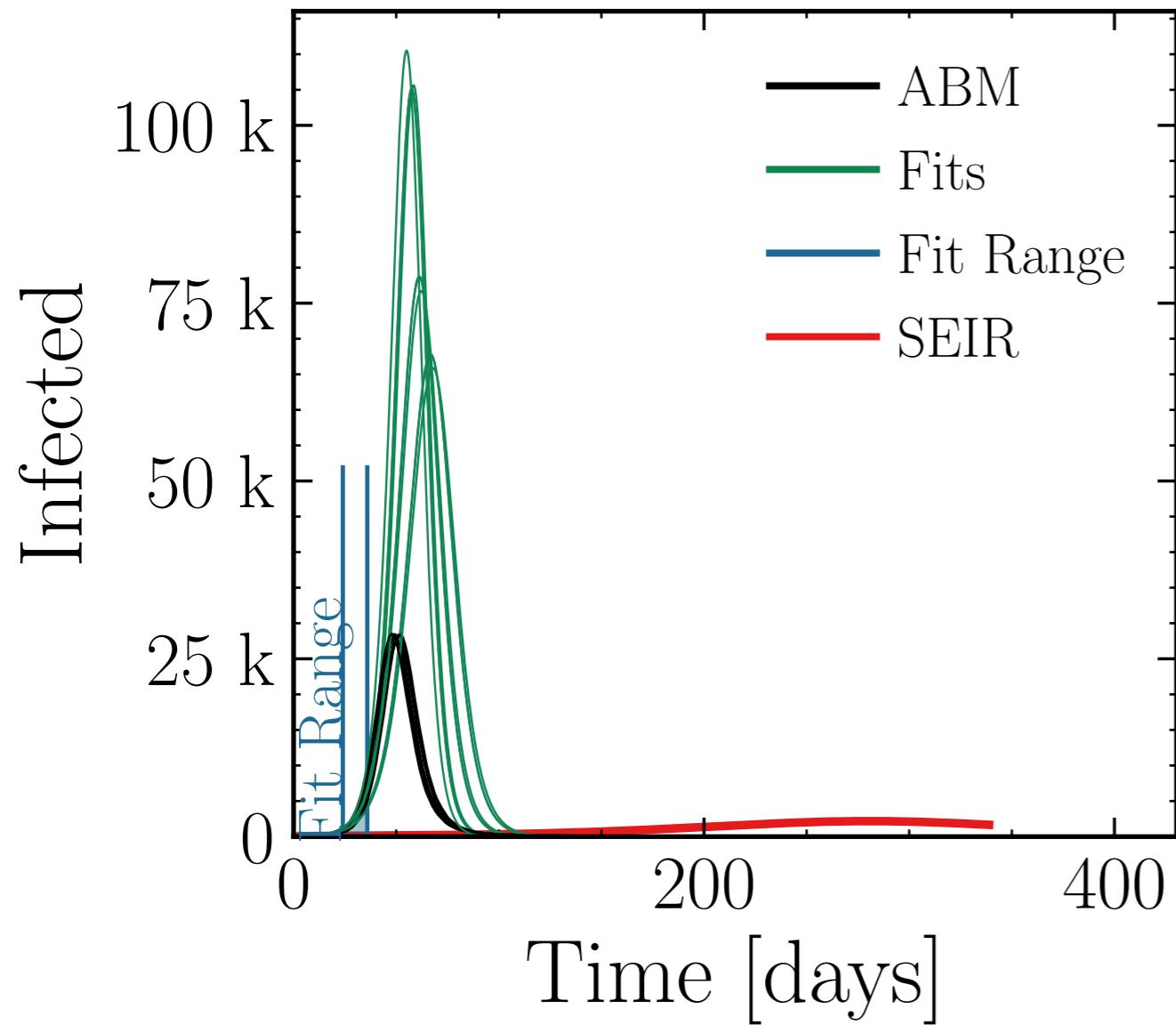
$$I_{\text{max}}^{\text{fit}} = (86 \pm 6.3\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 3 \pm 0.19$$

$$\text{v.} = 1.0, \text{hash} = 6ed7db9c94$$

$$R_{\infty}^{\text{fit}} = (518 \pm 1.4\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 3.15 \pm 0.047$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.15$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.007$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{connect}}^{\text{retries}} = 0$

$N_{\text{events}} = 0$ , event<sub>size<sub>max</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{max}}^{\text{fit}} = (96 \pm 5.1\%) \cdot 10^3$$

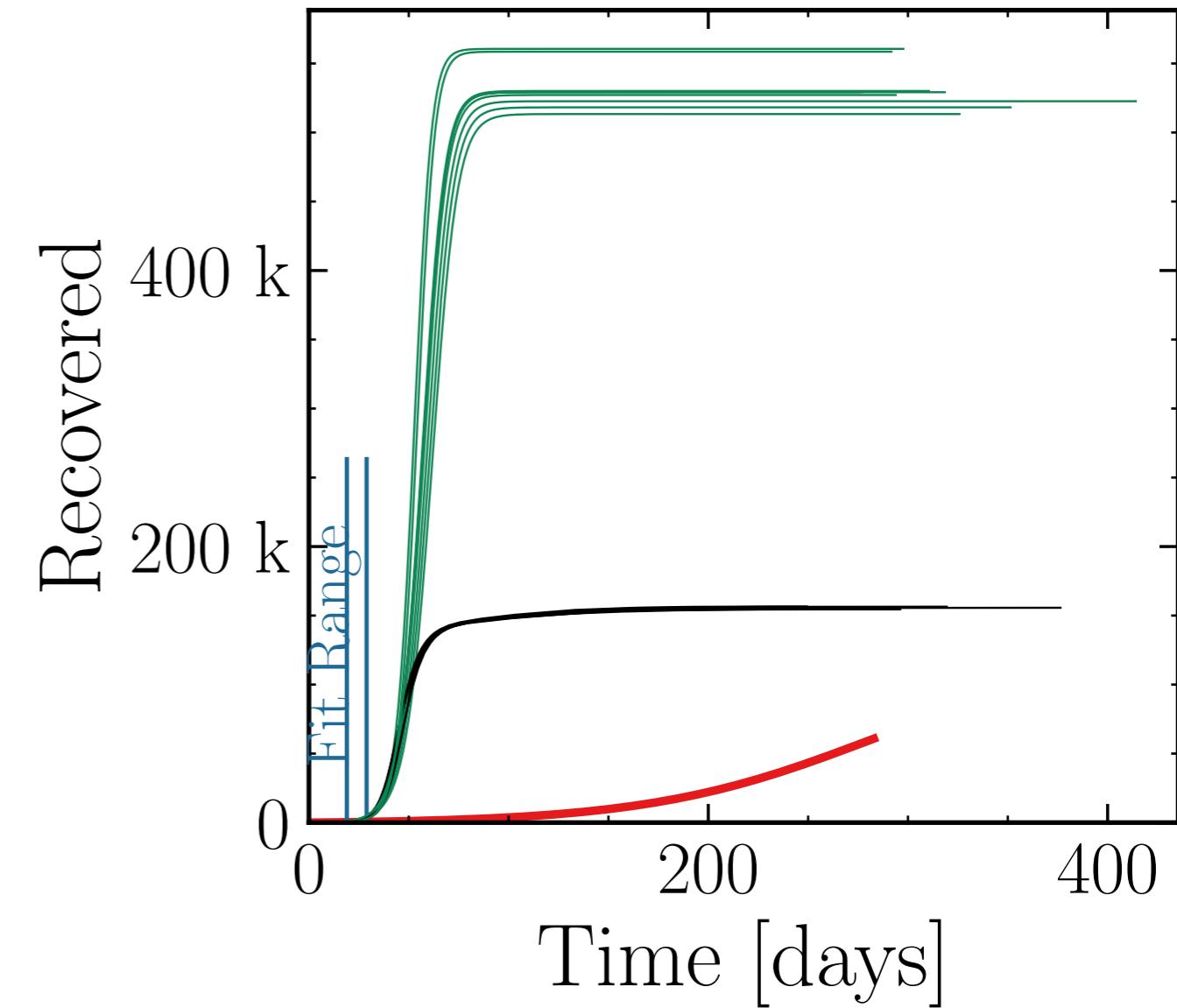
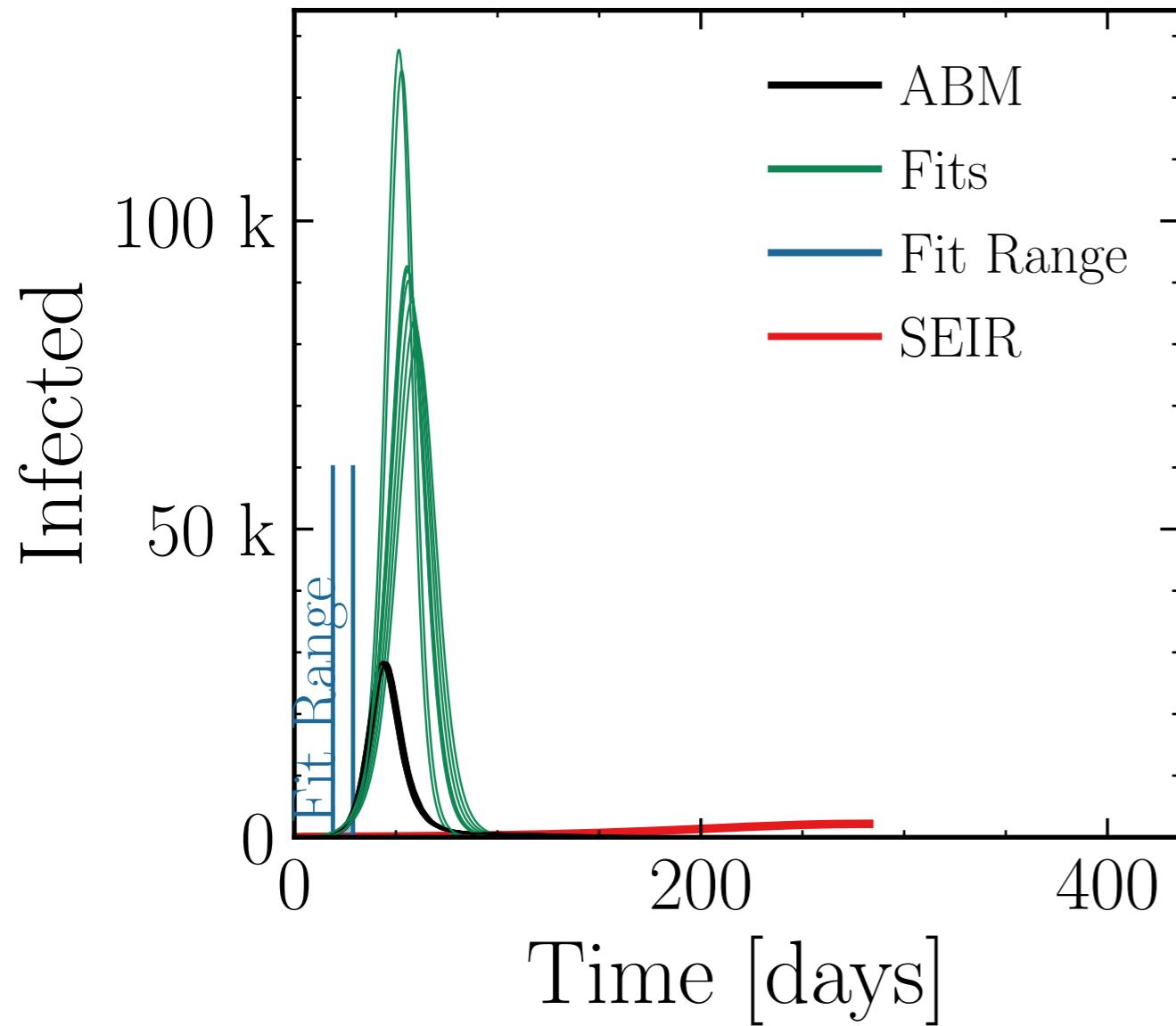
$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 3.4 \pm 0.17$$

$$\text{v.} = 1.0, \text{hash} = \text{f900275fd7}, \#10$$

$$R_{\infty}^{\text{fit}}$$

$$(532 \pm 0.88\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 3.42 \pm 0.030$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.2$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.007$ ,  $\sigma_\beta = 0.0$ , 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> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

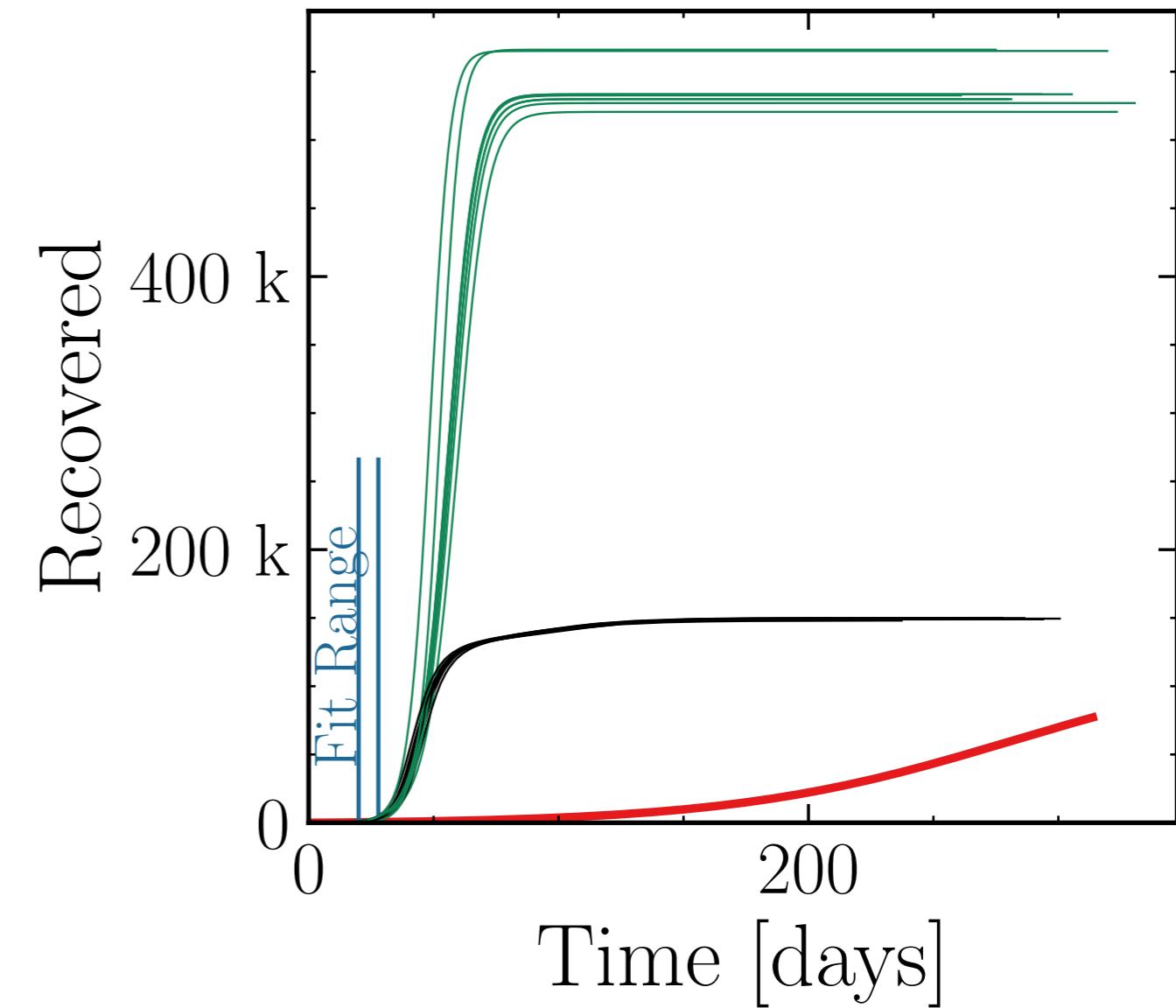
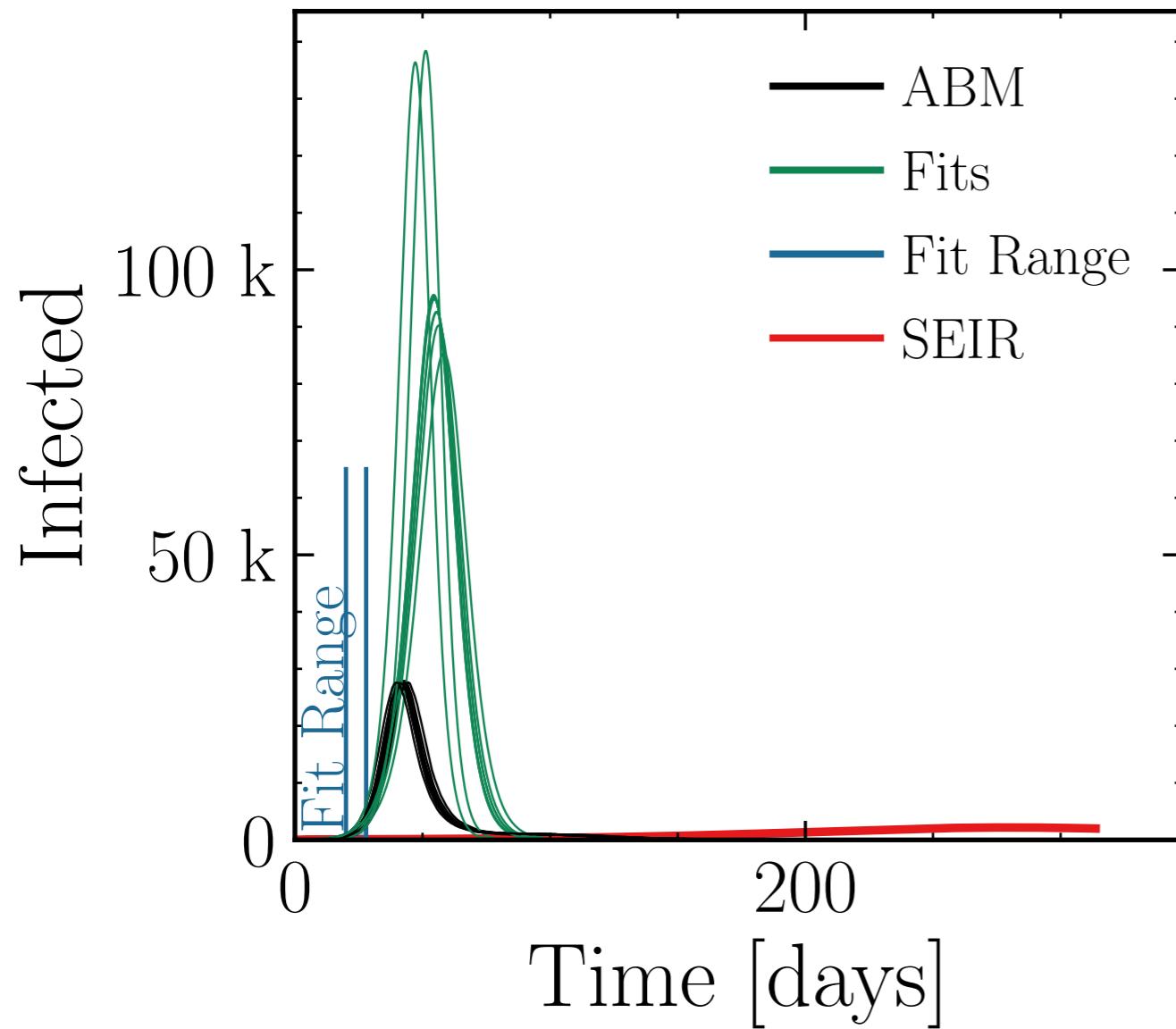
$$I_{\text{max}}^{\text{fit}} = (102 \pm 5.6\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{ABM}}^{\text{ABM}}} = 3.7 \pm 0.21$$

$$\text{v.} = 1.0, \text{hash} = 92\text{ecb7b967}$$

$$R_{\infty}^{\text{fit}, \#10} = (537 \pm 0.87\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{fit}}} = 3.6 \pm 0.030$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.25$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.007$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{connect}}^{\text{retries}} = 0$

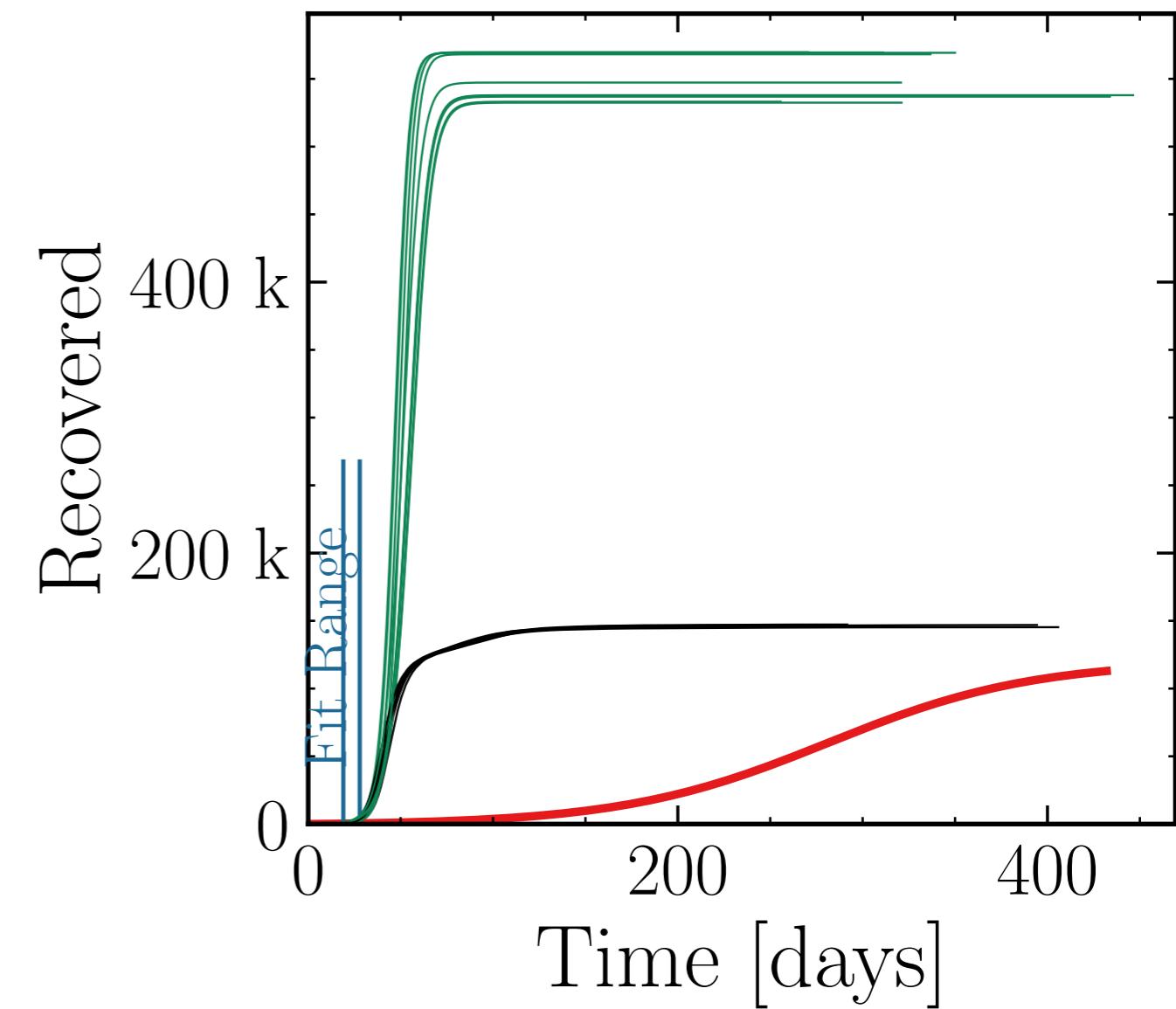
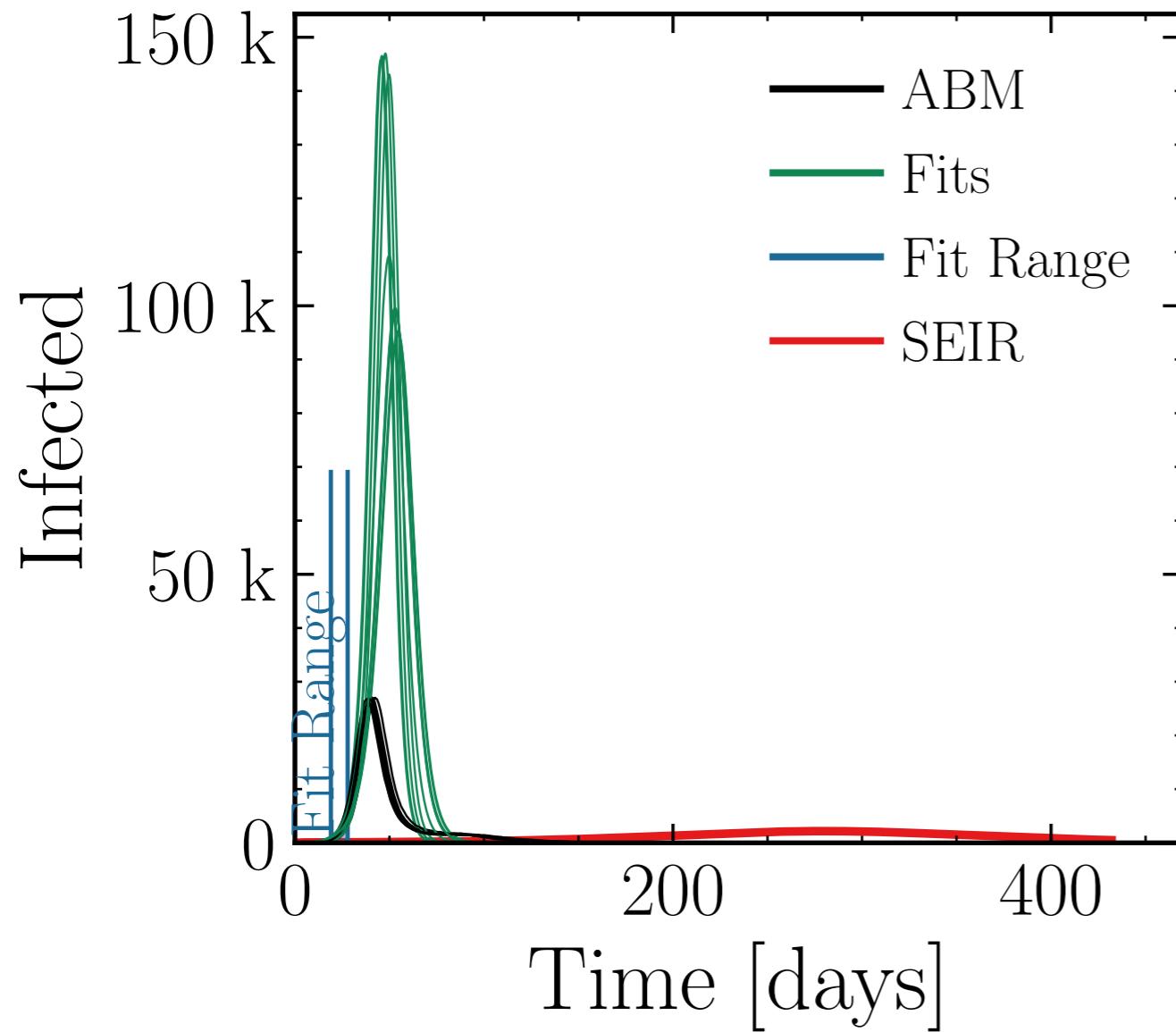
$N_{\text{events}} = 0$ , event<sub>size<sub>max</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{max}}^{\text{fit}} = (118 \pm 6.1\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{ABM}}^{\text{ABM}}} = 4.4 \pm 0.27$$

$$\text{v.} = 1.0, \text{hash} = \text{f1e7525164}\#10 \quad R_{\infty}^{\text{fit}} = (550 \pm 0.92\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 3.76 \pm 0.036$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.3$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.007$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

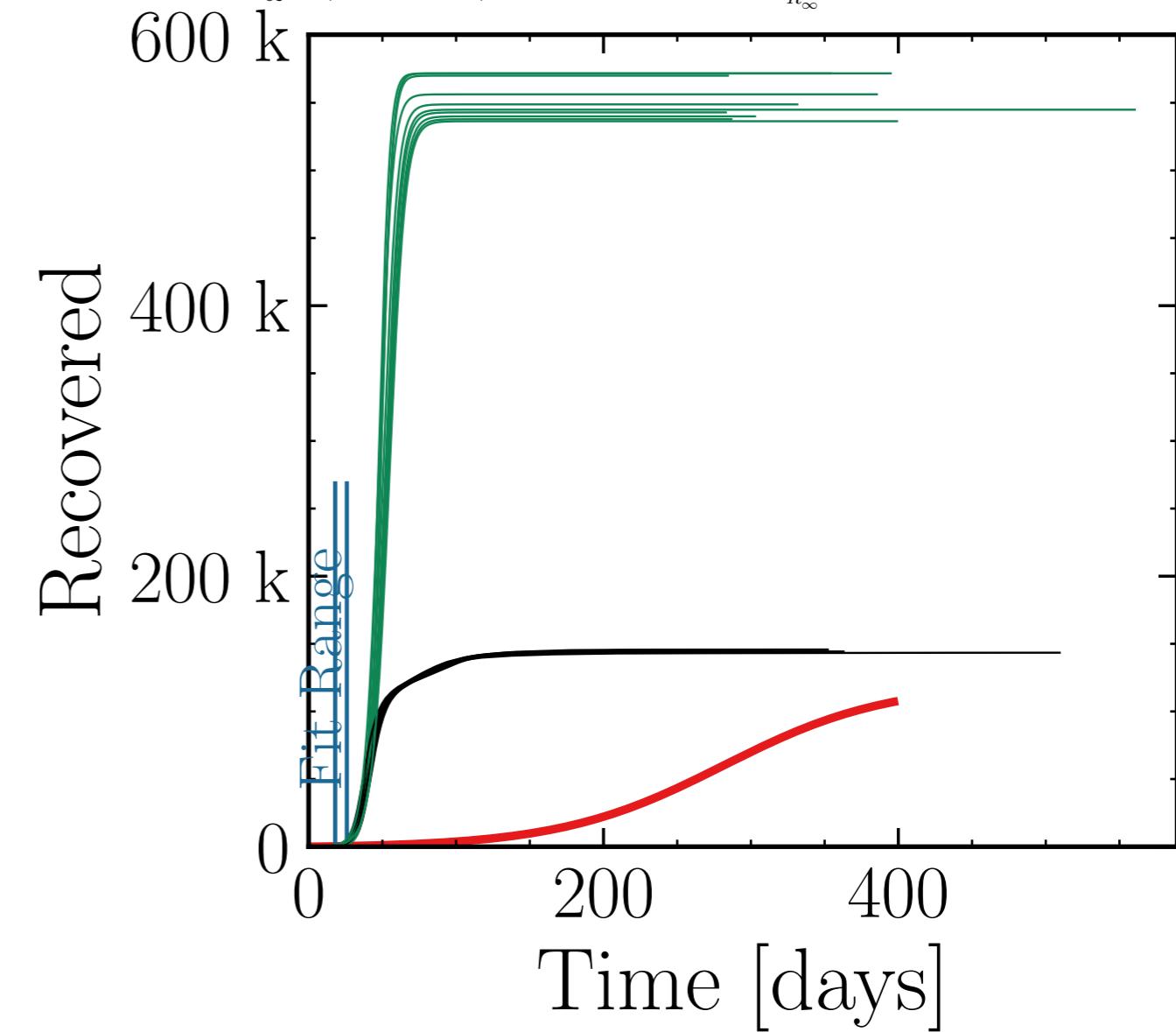
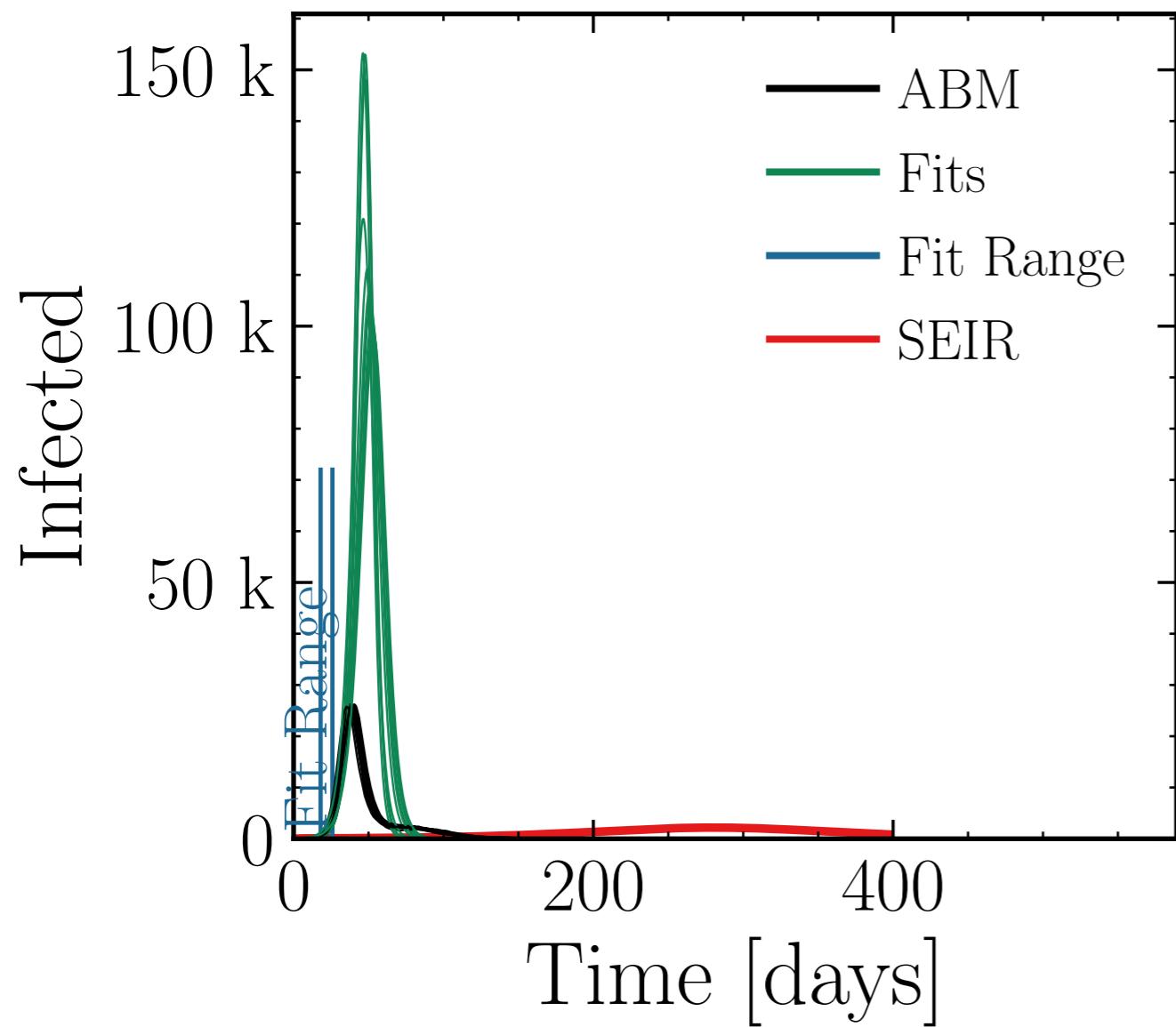
$N_{\text{events}} = 0$ , event<sub>size<sub>max</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{max}}^{\text{fit}} = (120 \pm 5.7\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 4.6 \pm 0.26$$

$$\text{v.} = 1.0, \text{hash} = \text{a90494ab67}\#\text{10} (552 \pm 0.78\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 3.82 \pm 0.026$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.4$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.007$ ,  $\sigma_\beta = 0.0$ , 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> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

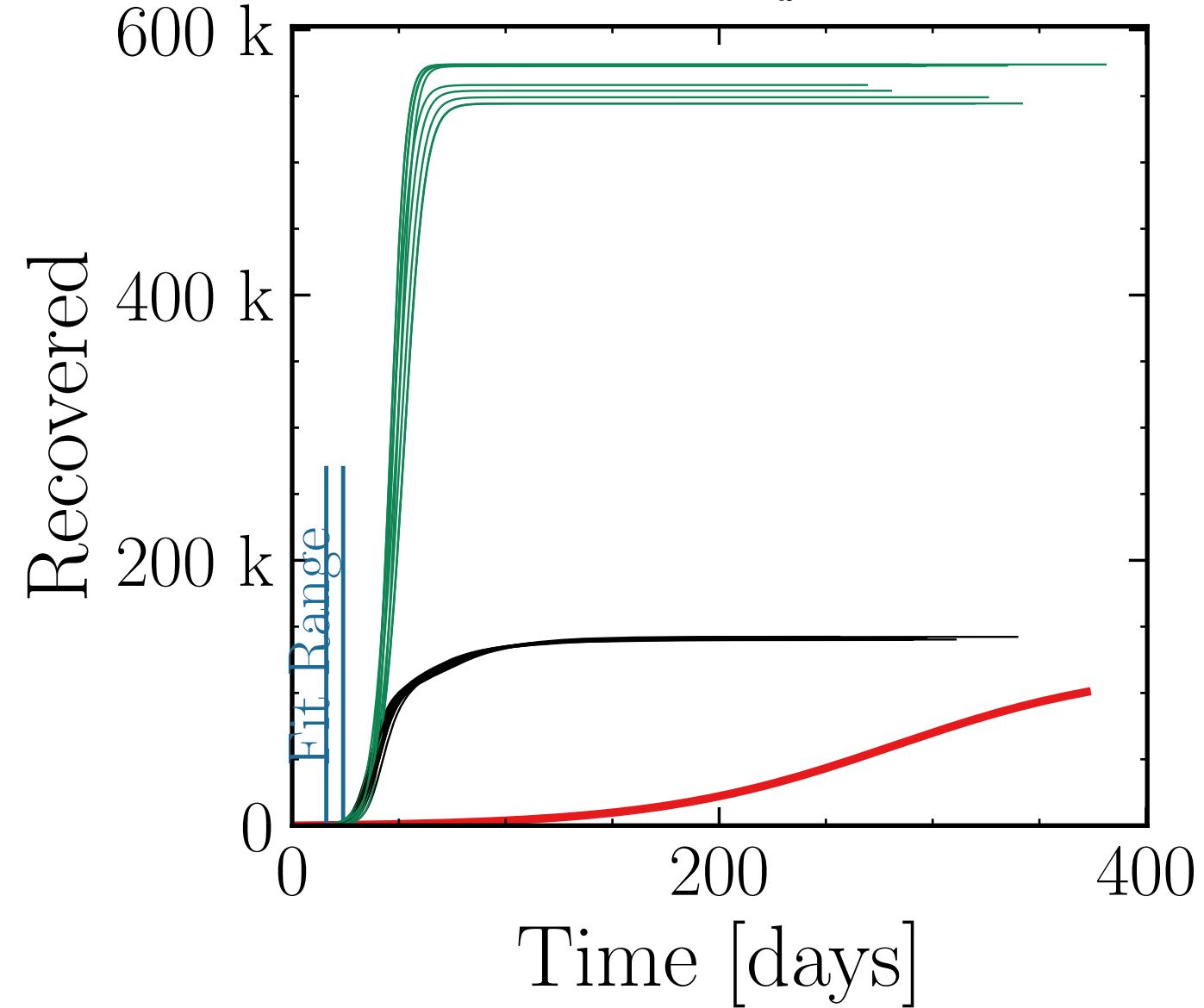
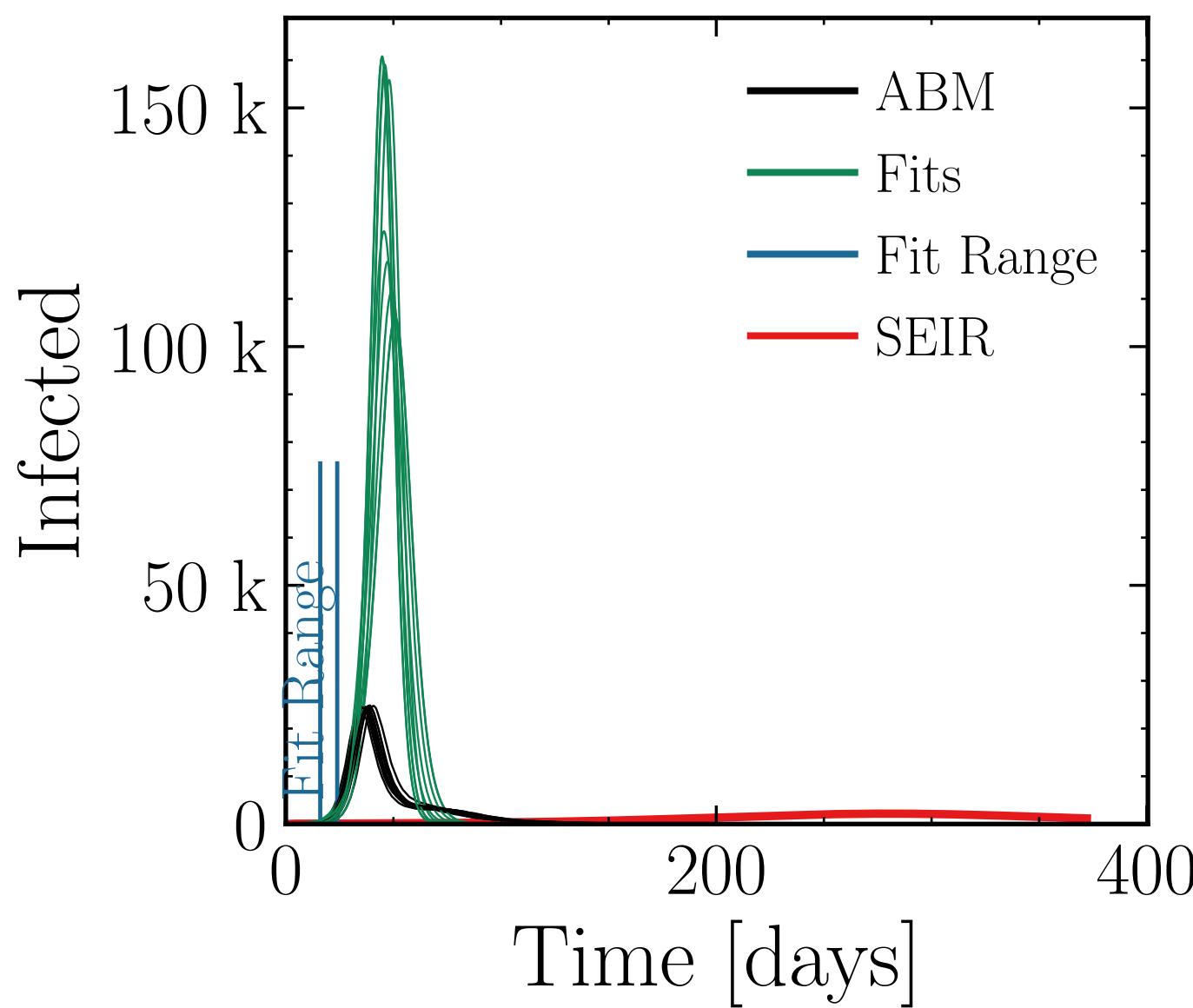
$$I_{\text{max}}^{\text{fit}} = (136 \pm 5.4\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 5.5 \pm 0.30$$

$$\text{v.} = 1.0, \text{hash} = \text{c735d7ac98}, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (562 \pm 0.69\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 3.98 \pm 0.024$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.5$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.007$ ,  $\sigma_\beta = 0.0$ , 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> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

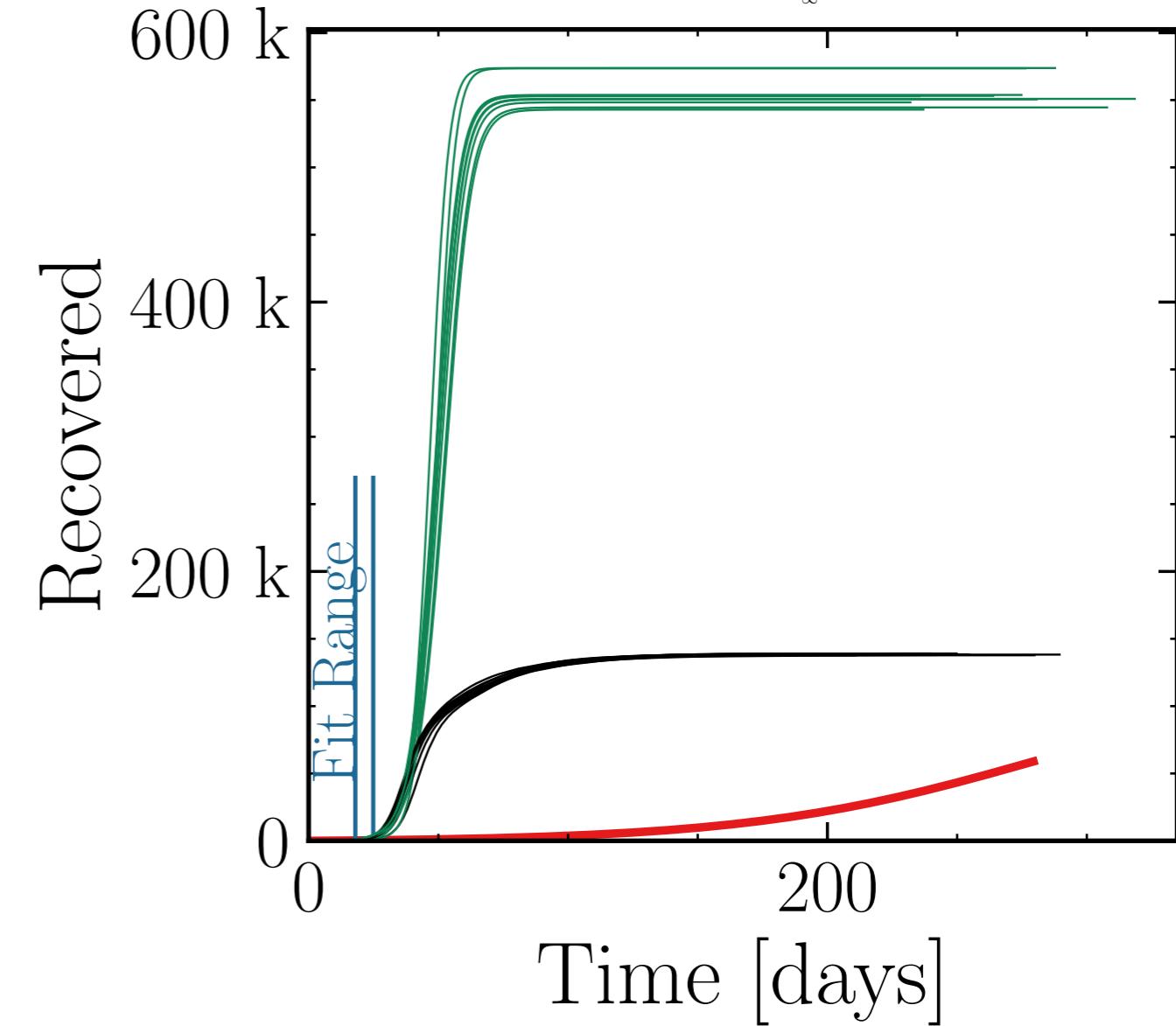
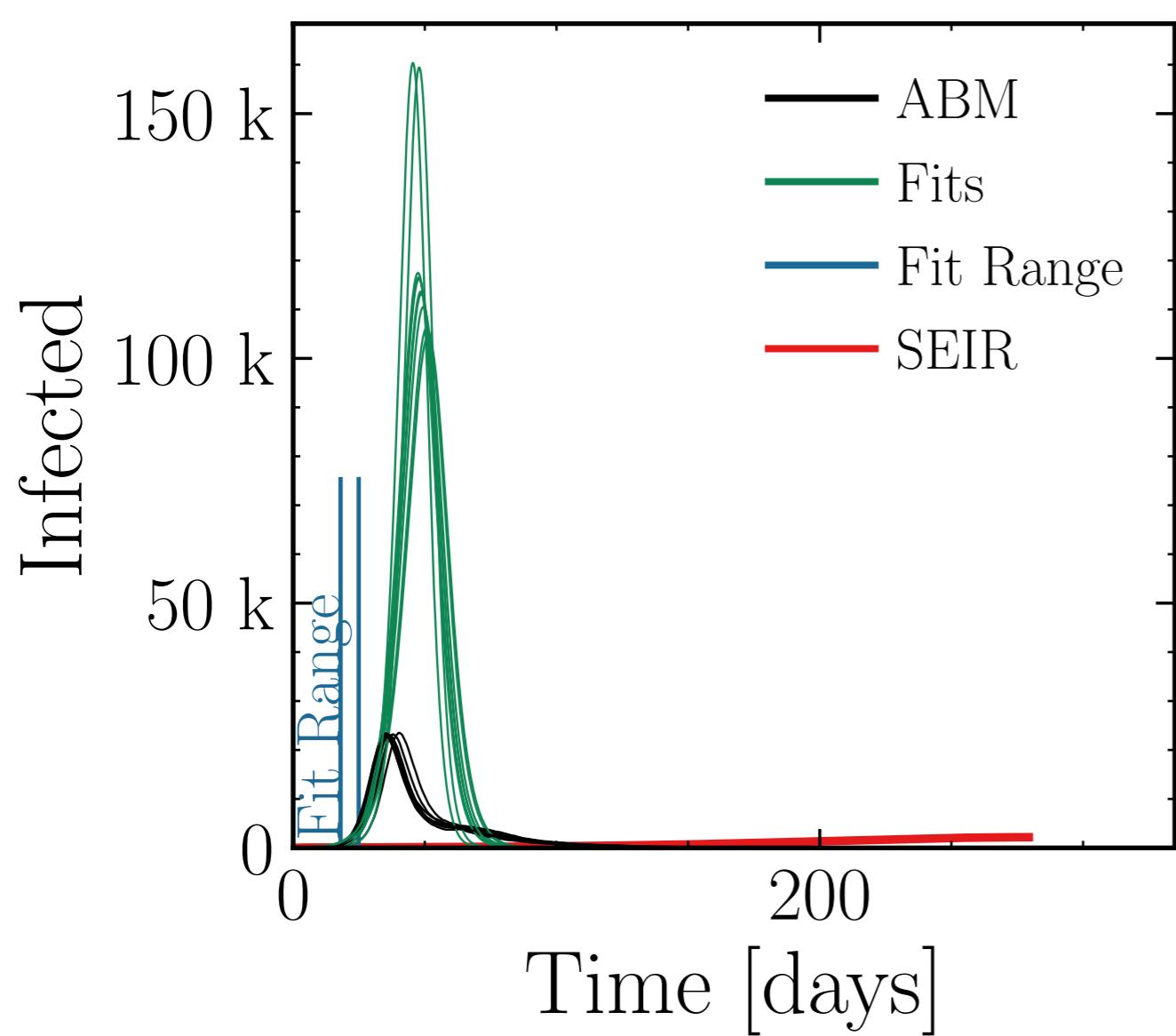
$$I_{\text{max}}^{\text{fit}} = (122 \pm 5.1\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 5.2 \pm 0.26$$

$$\text{v.} = 1.0, \text{hash} = 998527\text{ba35}, \#10$$

$$R_{\infty}^{\text{fit}} = (554 \pm 0.58\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 4.01 \pm 0.024$$



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

$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

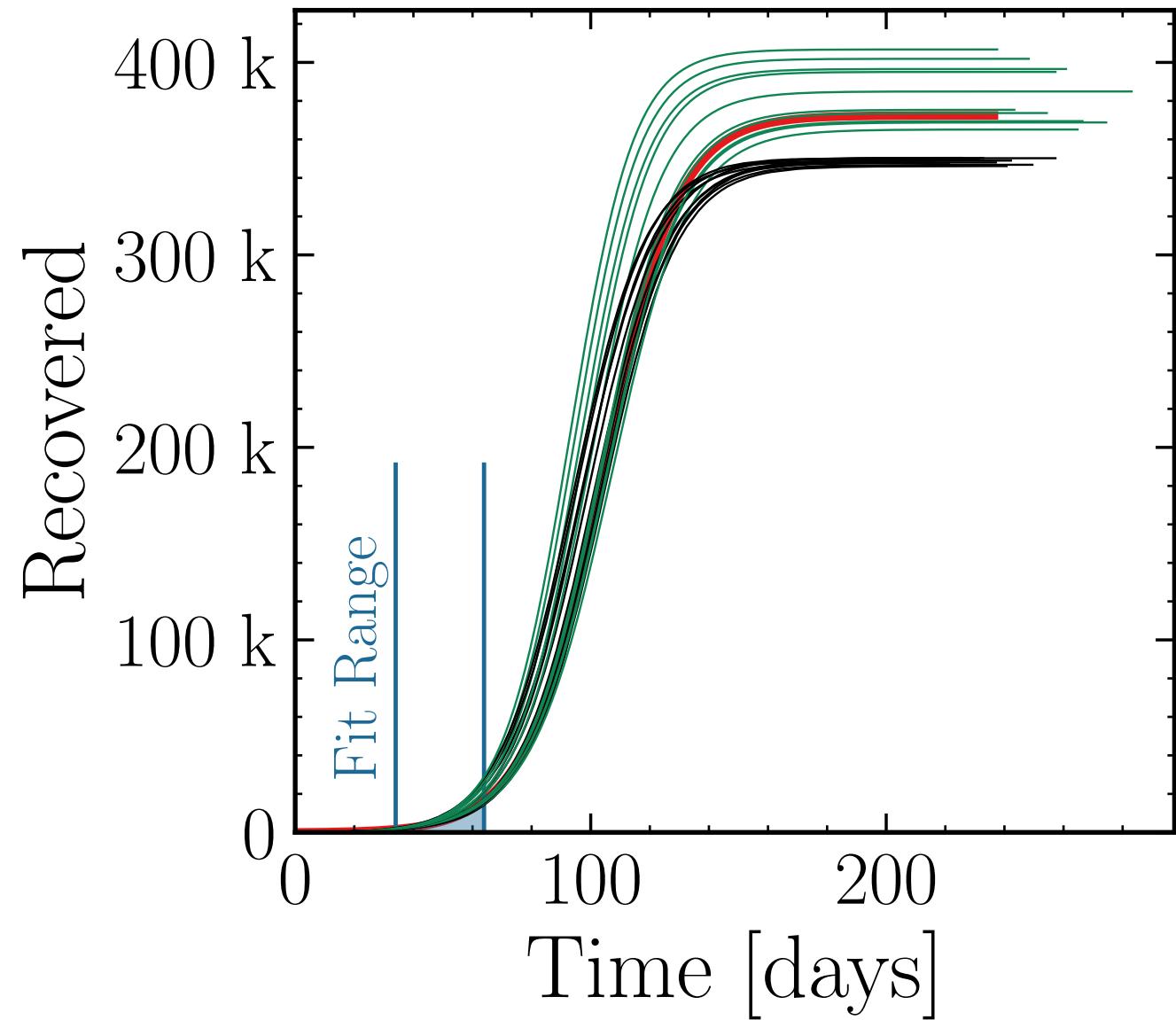
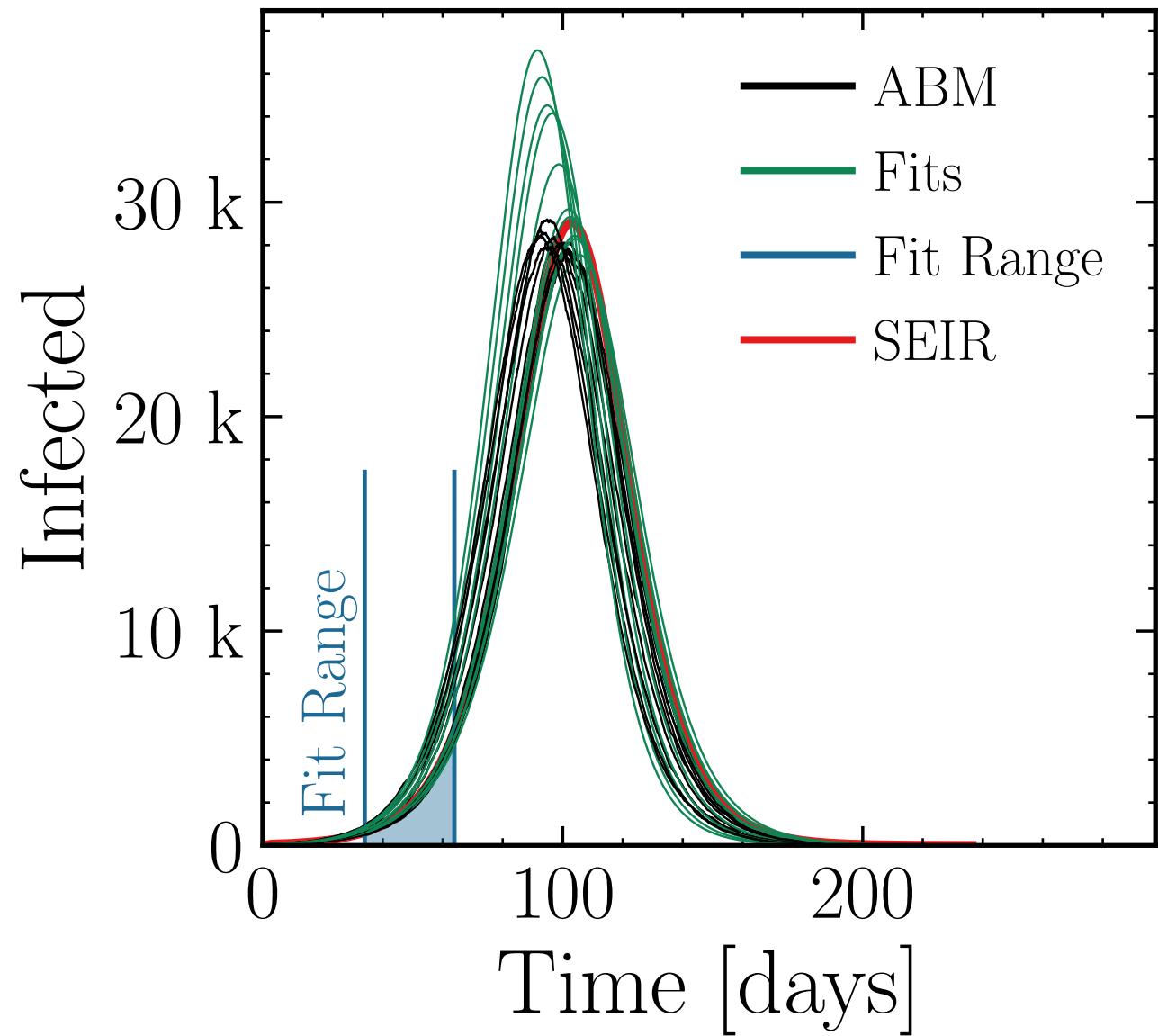
$N_{\text{events}} = 0$ , event<sub>size<sub>max</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{max}}^{\text{fit}} = (32 \pm 3.3\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1.12 \pm 0.033 \quad v. = 1.0, \text{ hash} = 9c7510b7a6, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (384 \pm 1.2\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.1 \pm 0.012$$



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

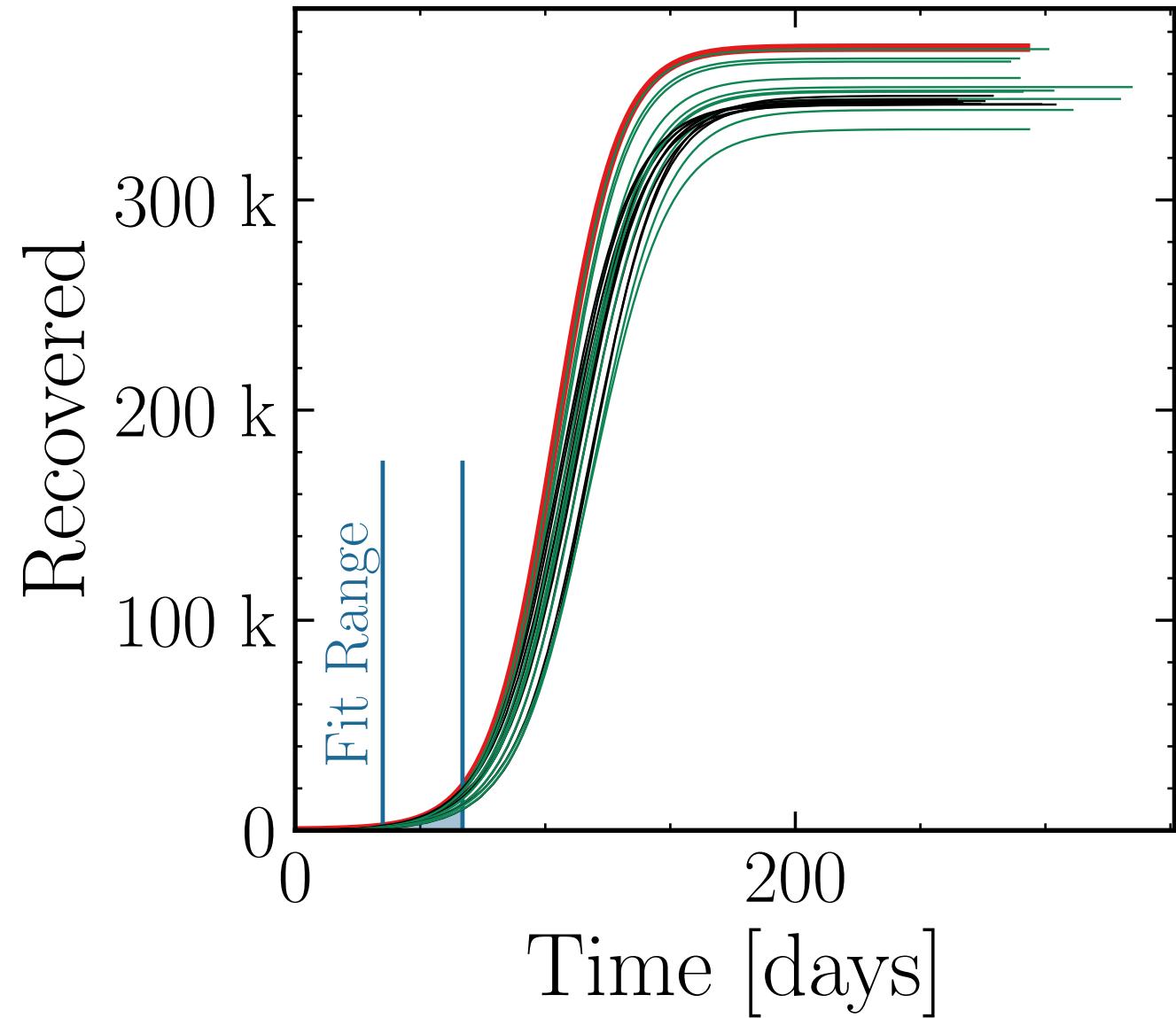
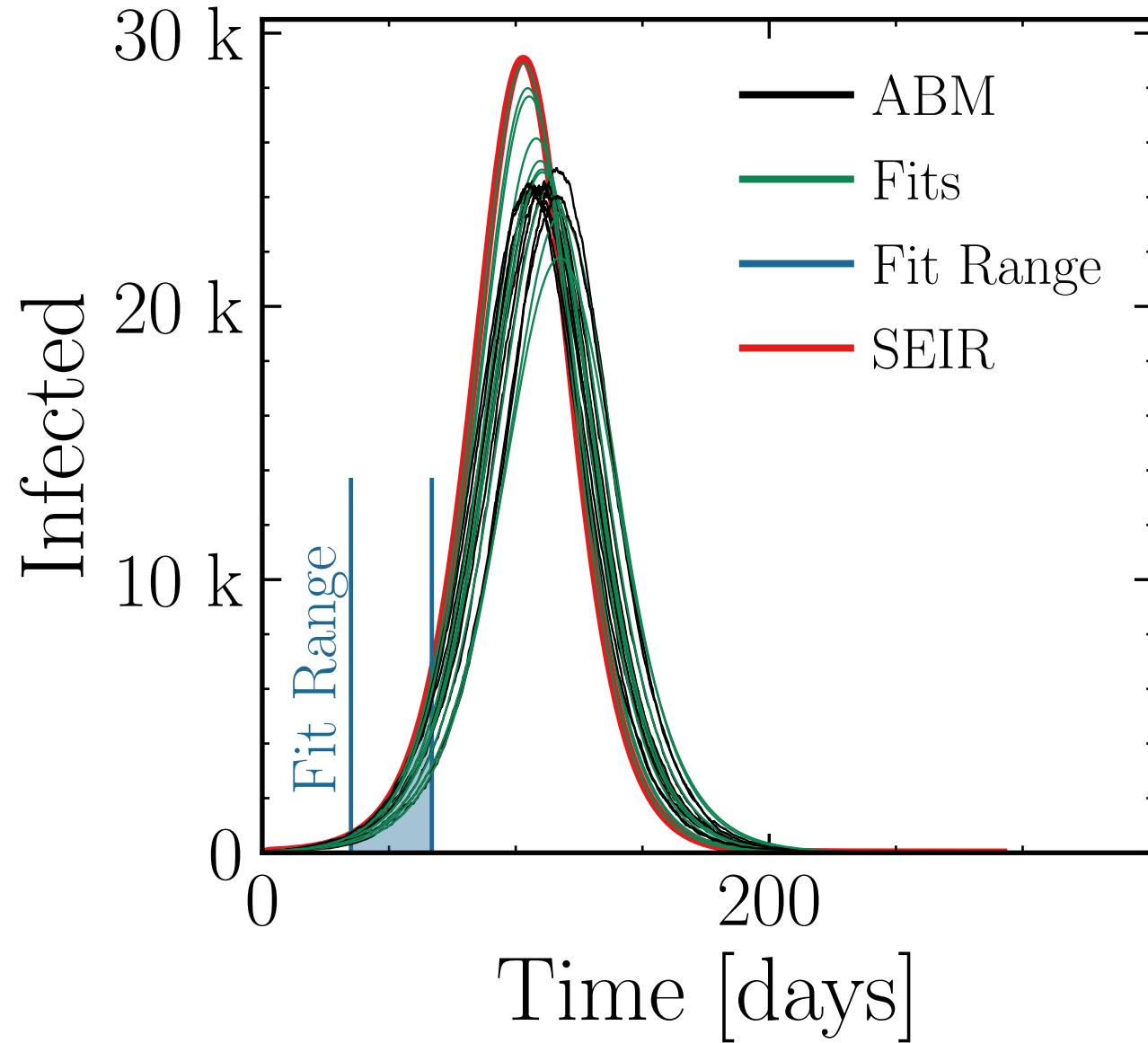
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 0$ , event<sub>size<sub>max</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{max}}^{\text{fit}} = (25.5 \pm 2.6\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1.05 \pm 0.027 \quad v. = 1.0, \text{hash} = 95f8c4f0d6\#10 \quad R_{\infty}^{\text{fit}} = (354 \pm 0.99\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.02 \pm 0.010$$



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

$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

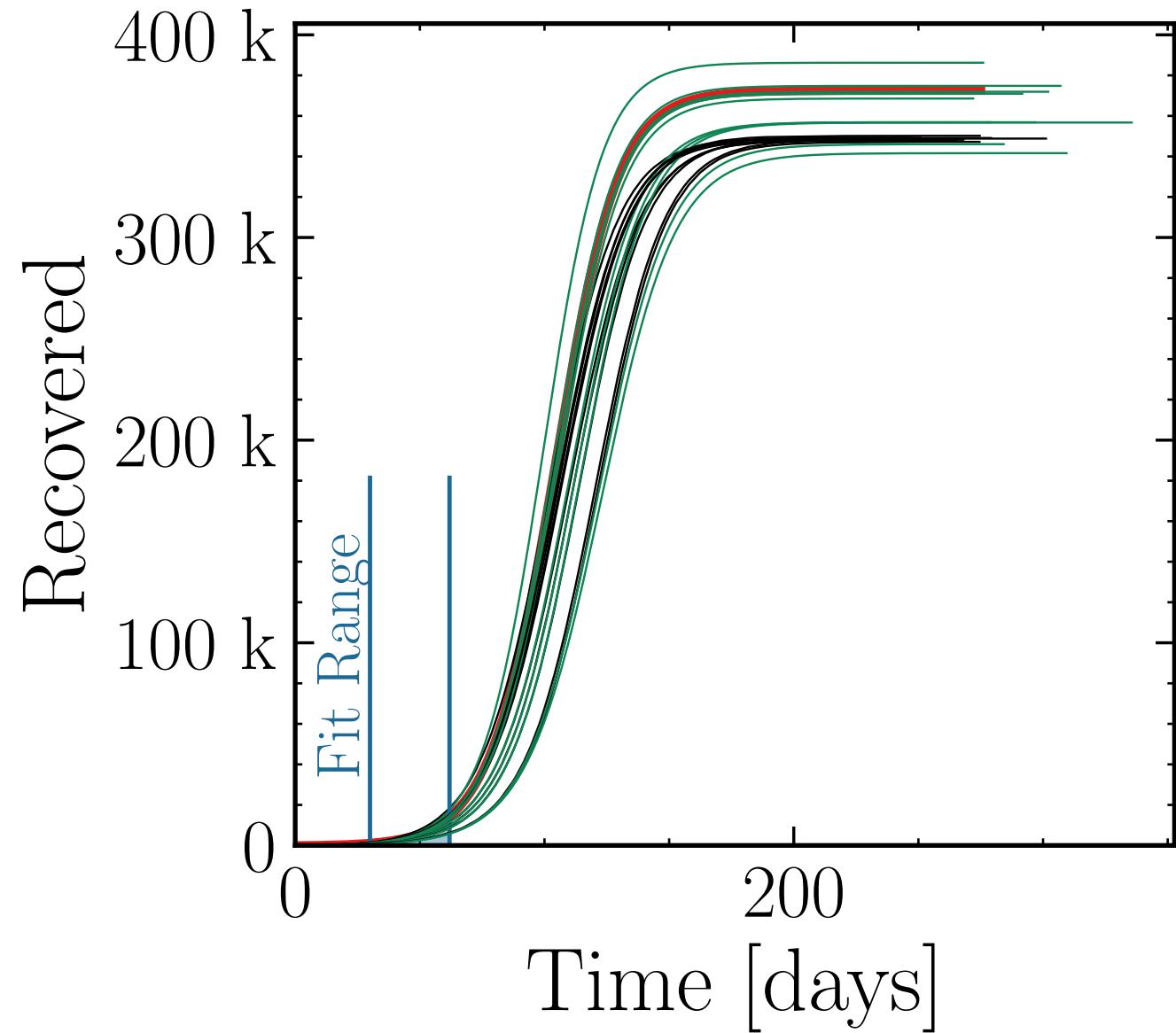
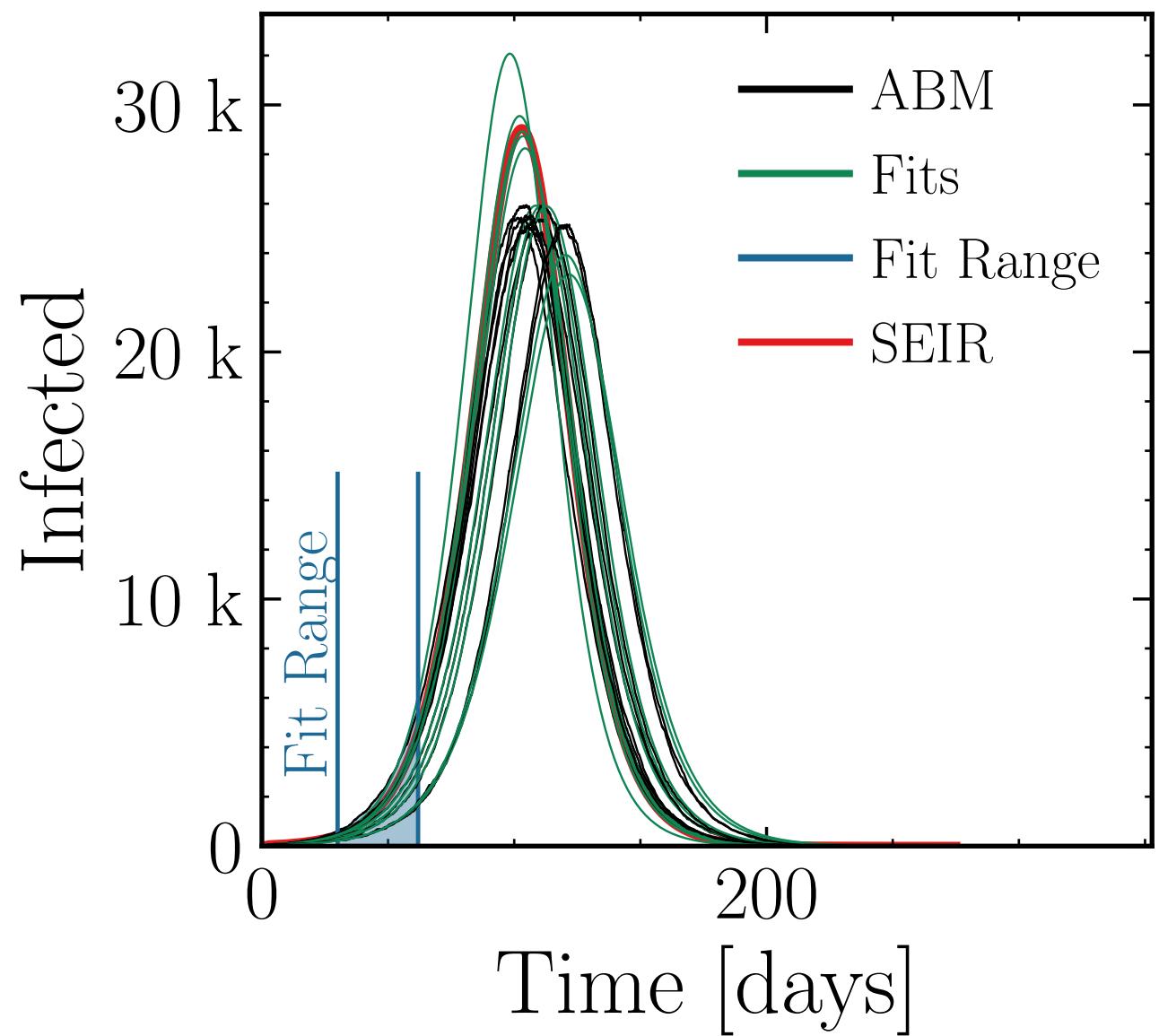
$N_{\text{events}} = 0$ , event<sub>size<sub>max</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{max}}^{\text{fit}} = (27.2 \pm 3.0\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1.07 \pm 0.031$$

$$\text{v.} = 1.0, \text{hash} = 8d72235ccf \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.04 \pm 0.011$$



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

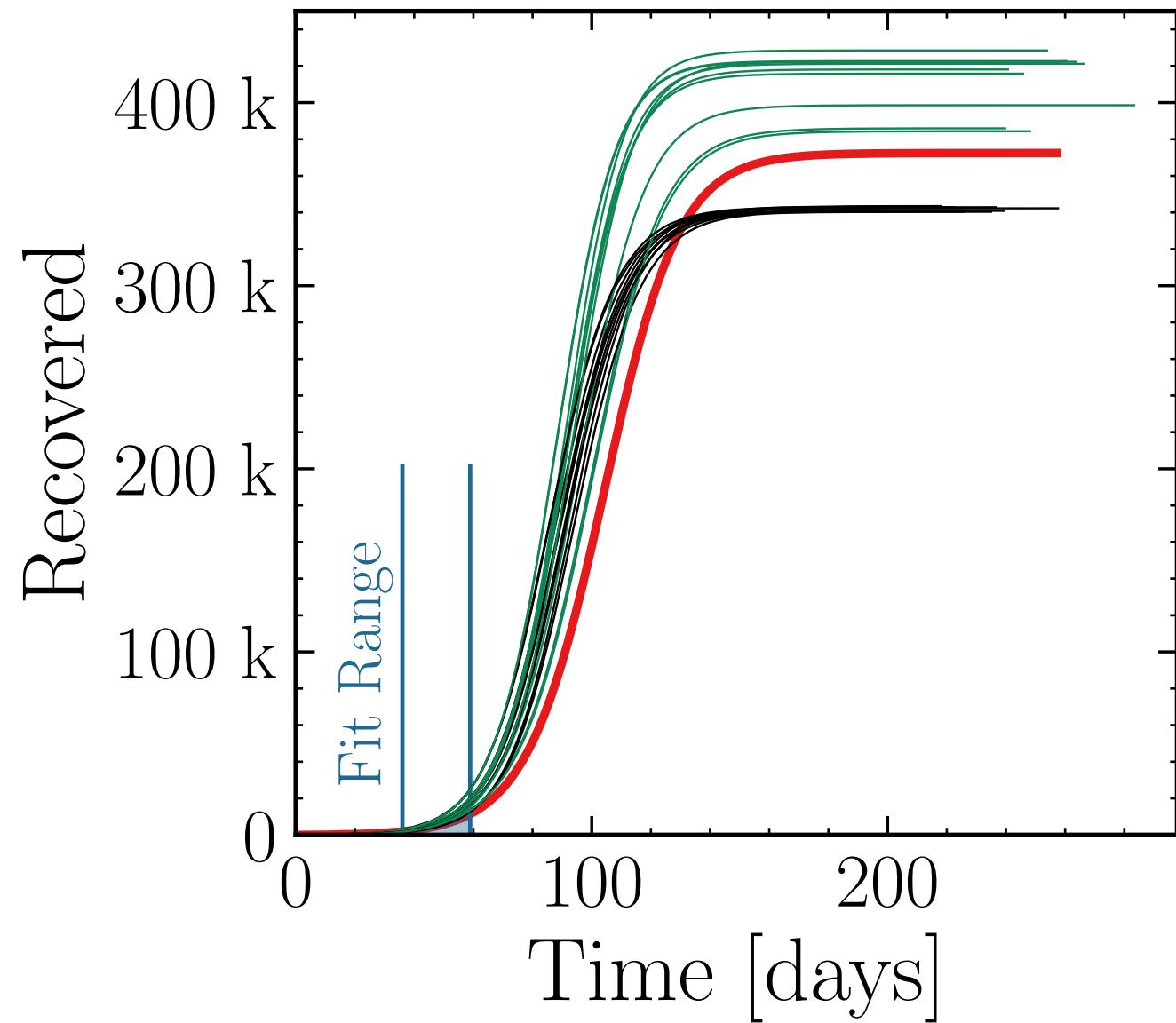
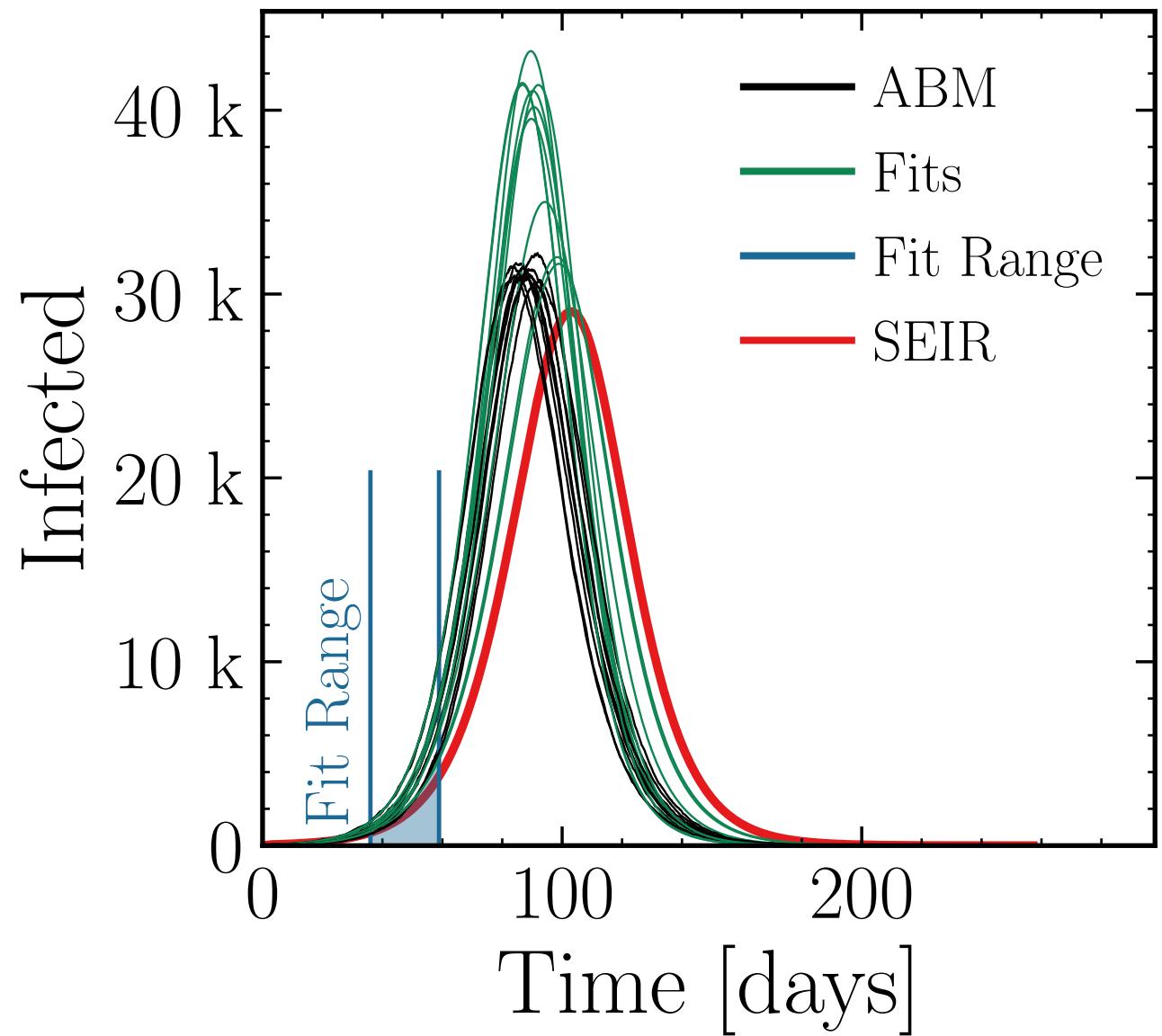
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 0$ , event<sub>size<sub>max</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{max}}^{\text{fit}} = (39 \pm 3.3\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1.24 \pm 0.042 \quad v. = 1.0, \text{ hash} = \text{faf305d13b}\#10 \quad R_{\infty}^{\text{fit}} = (412 \pm 1.2\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.21 \pm 0.014$$



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

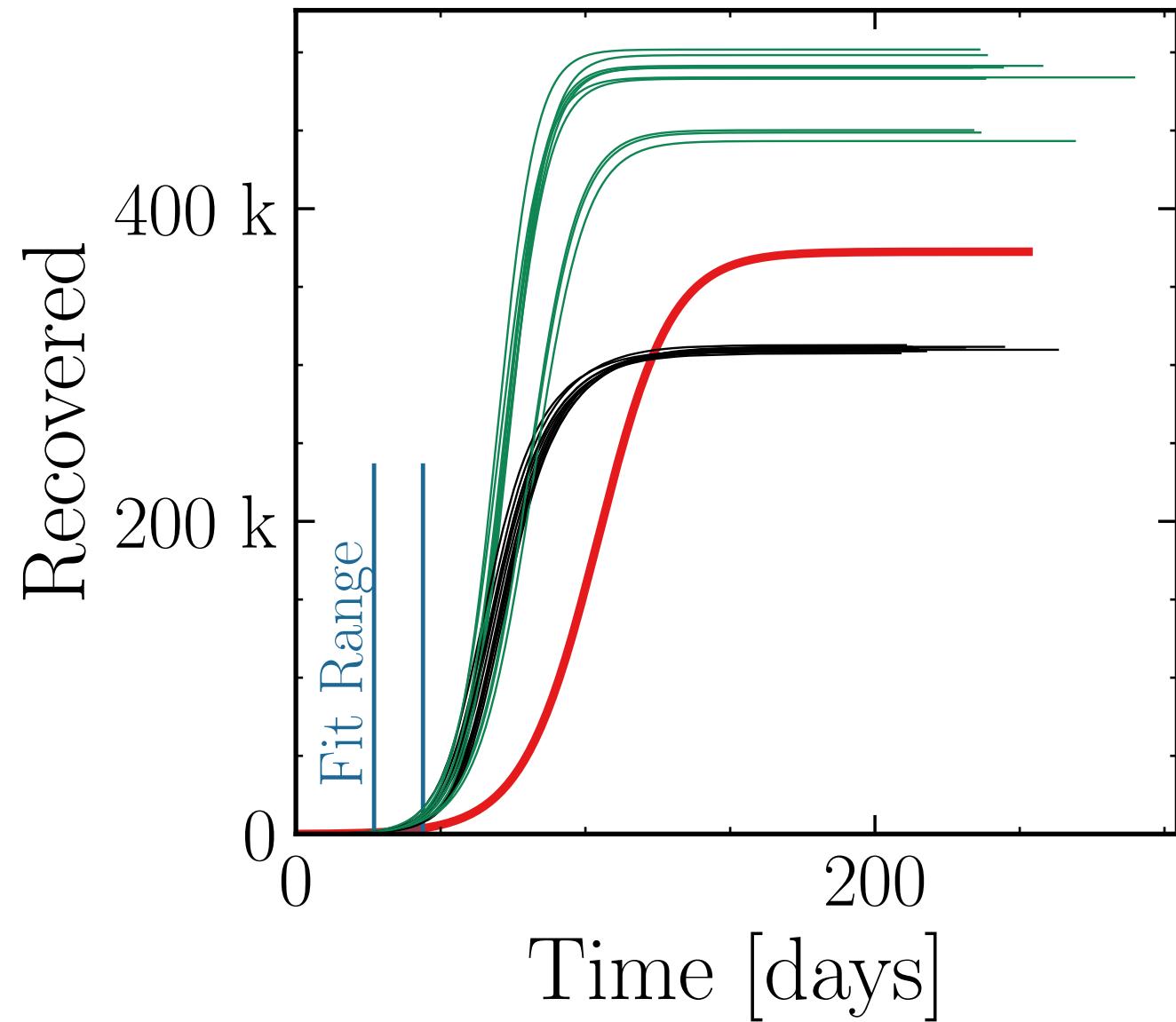
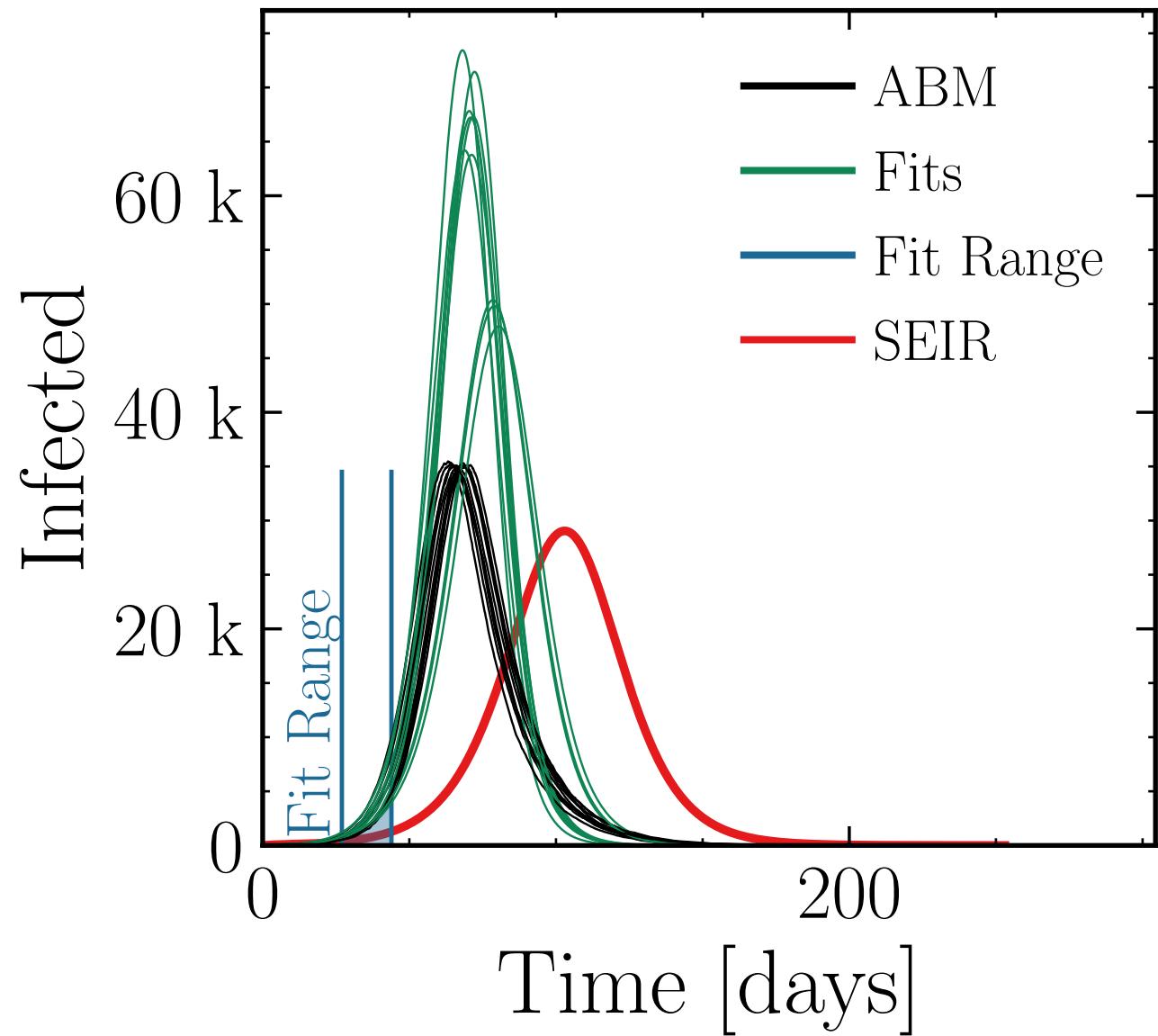
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 0$ , event<sub>size<sub>max</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{max}}^{\text{fit}} = (62 \pm 4.5\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1.78 \pm 0.080 \quad v. = 1.0, \text{hash} = 44766e03c0, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.54 \pm 0.022$$



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

$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

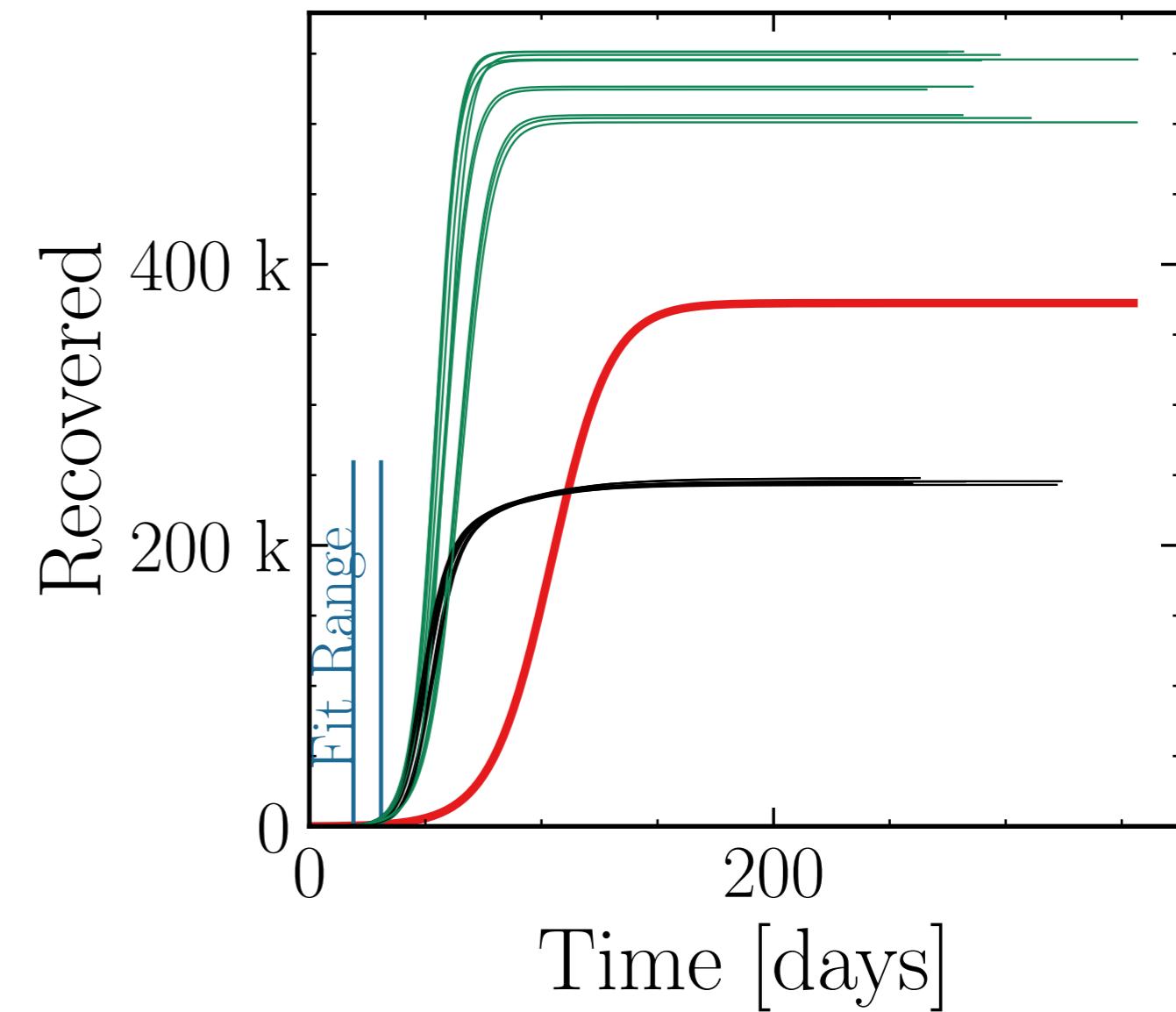
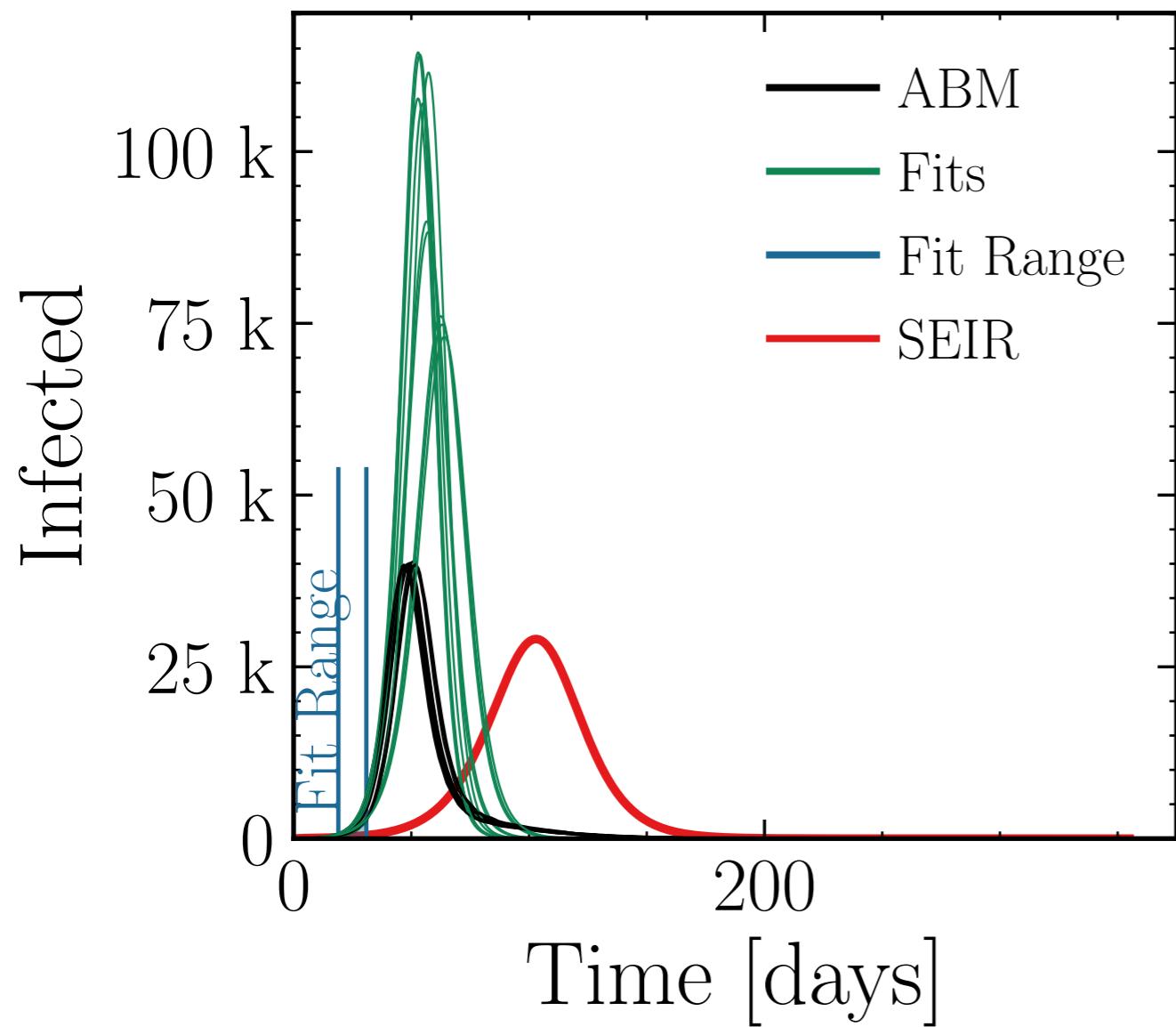
$N_{\text{events}} = 0$ , event<sub>size<sub>max</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{max}}^{\text{fit}} = (96 \pm 5.4\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 2.4 \pm 0.13$$

$$\text{v.} = 1.0, \text{hash} = \text{c4434faeb6}\#10, R_{\infty}^{\text{fit}} = (531 \pm 1.2\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 2.16 \pm 0.027$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.075$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 1.0$ , 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> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

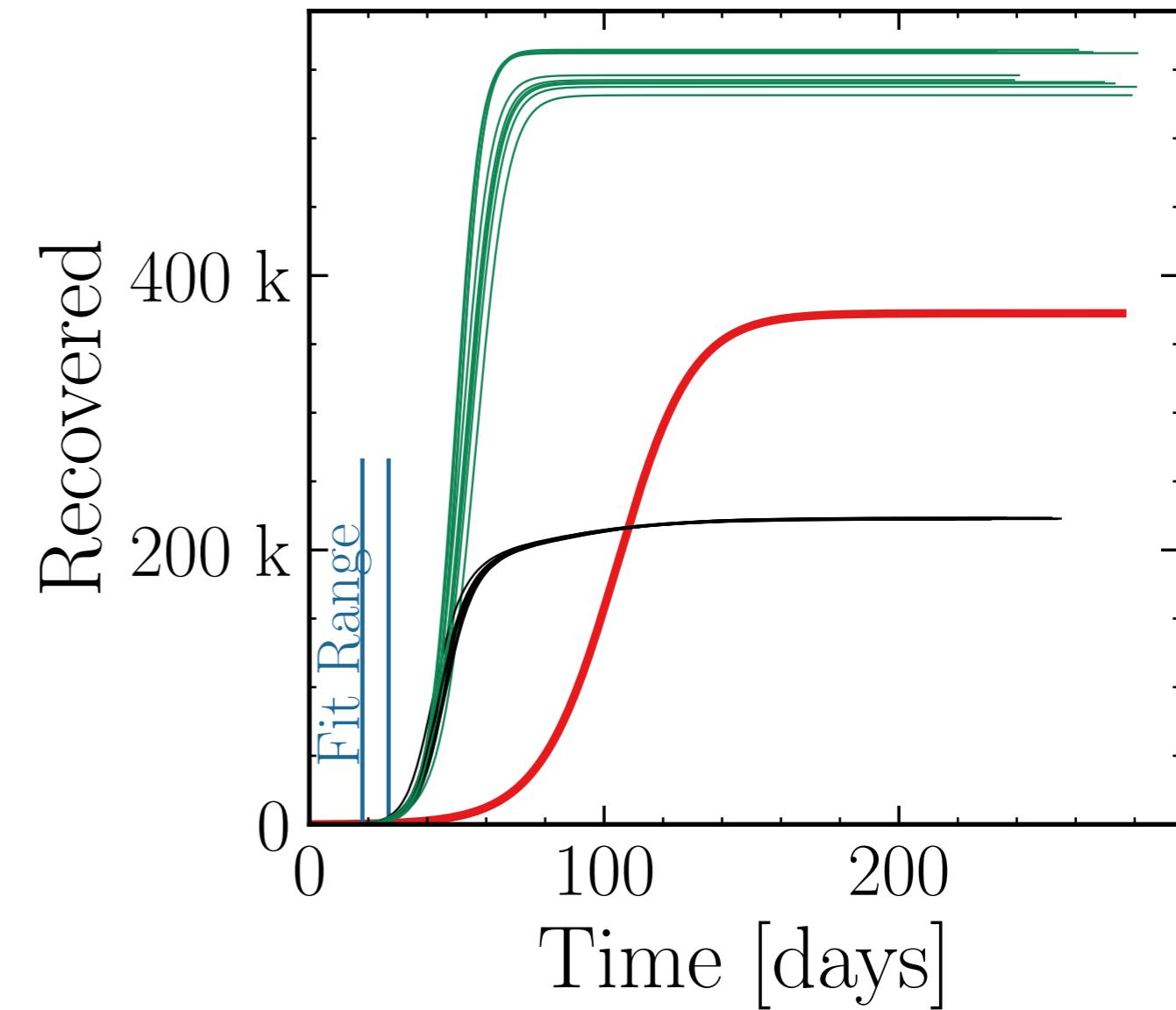
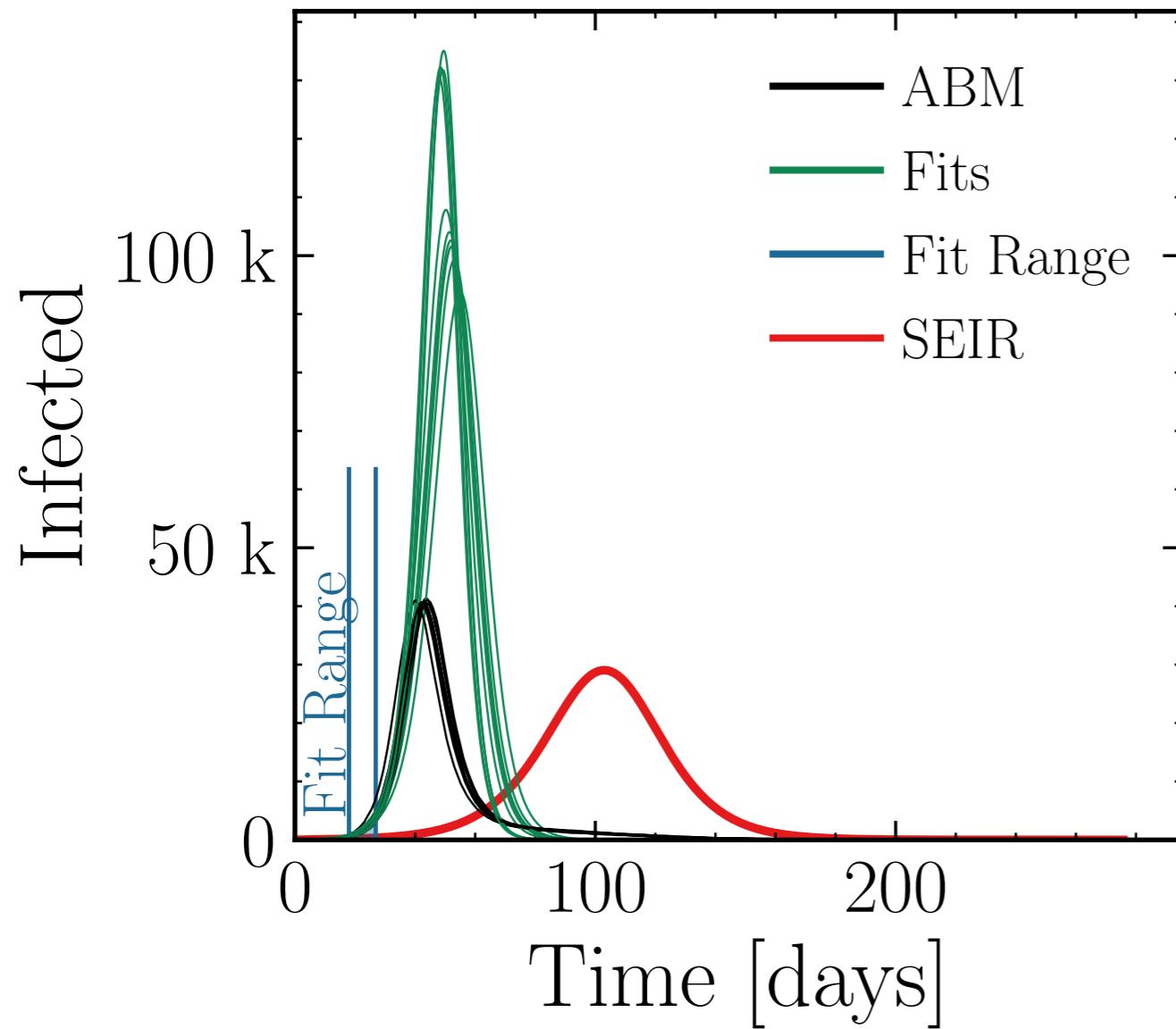
$$I_{\text{max}}^{\text{fit}} = (114 \pm 4.3\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 2.8 \pm 0.12$$

$$\text{v.} = 1.0, \text{hash} = \text{d0b5c89236}, \#10$$

$$R_{\infty}^{\text{fit}} = (549 \pm 0.69\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 2.47 \pm 0.017$$



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

$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

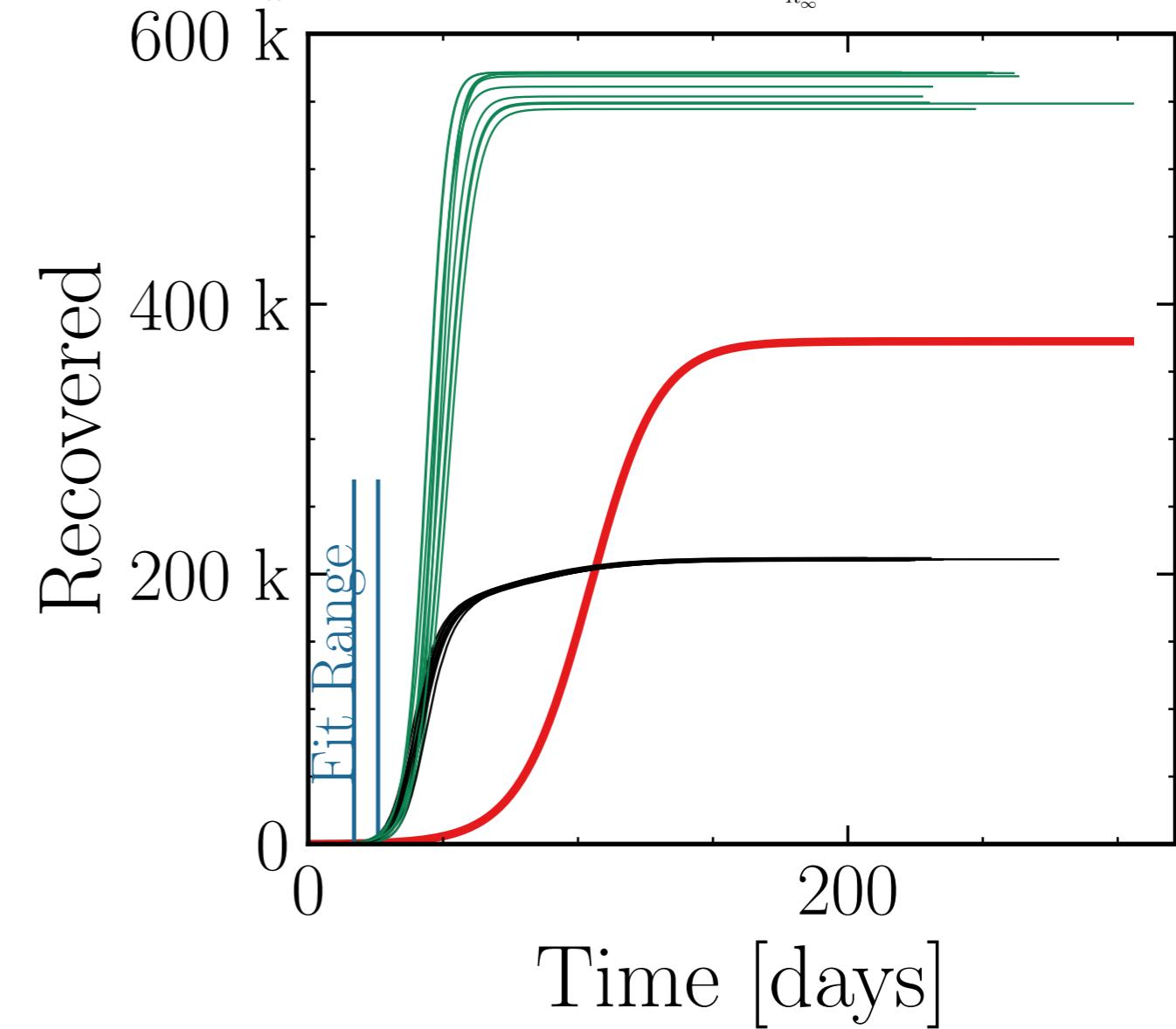
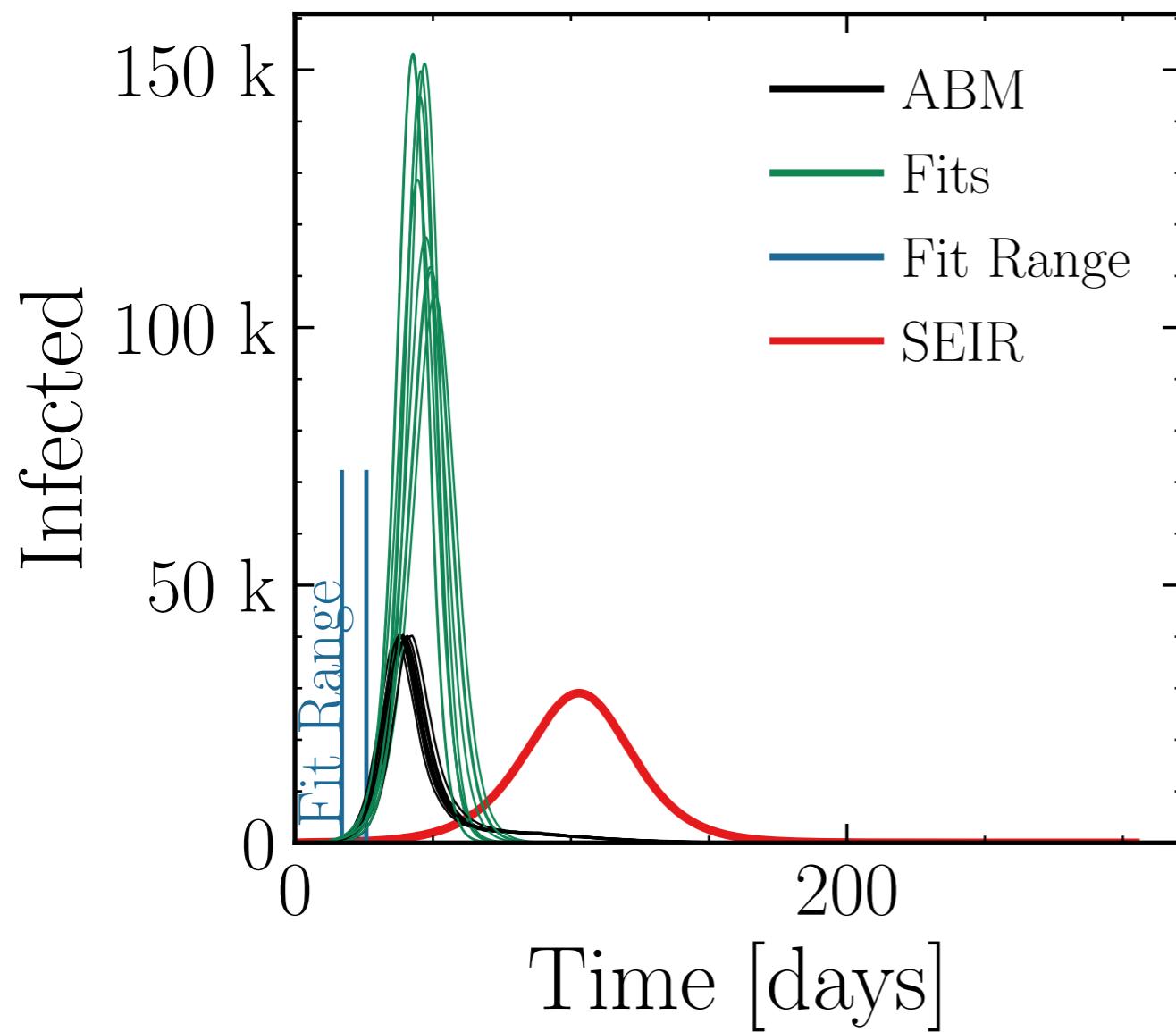
$N_{\text{events}} = 0$ , event<sub>size<sub>max</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{max}}^{\text{fit}} = (133 \pm 4.4\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 3.3 \pm 0.15$$

$$\text{v.} = 1.0, \text{hash} = \text{a13153a87d}, R_{\infty}^{\text{fit}} = (561 \pm 0.59\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 2.66 \pm 0.016$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.15$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 1.0$ , algo = 2,  $N_{\text{init}} = 100$

$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{connect}} = 0$

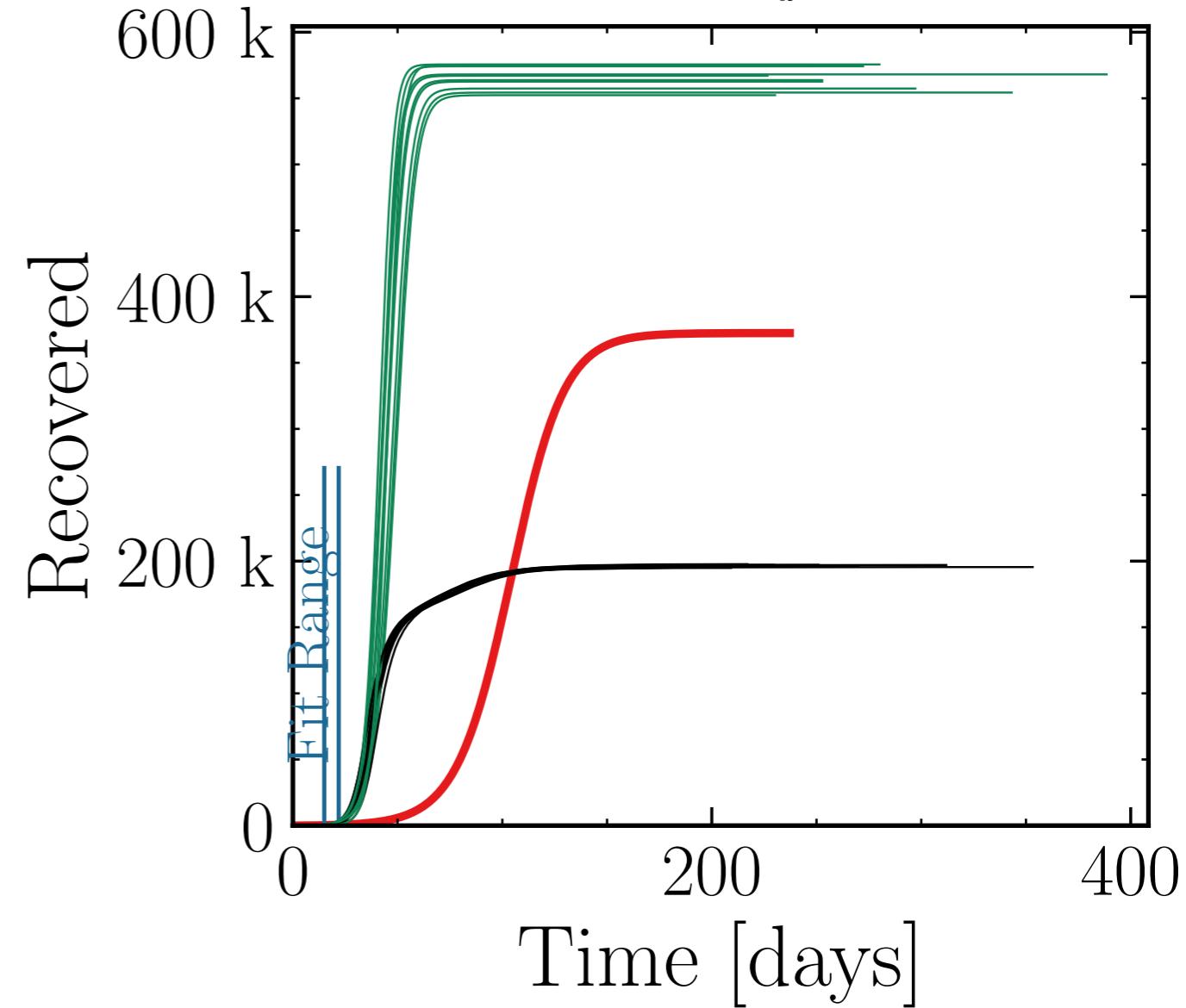
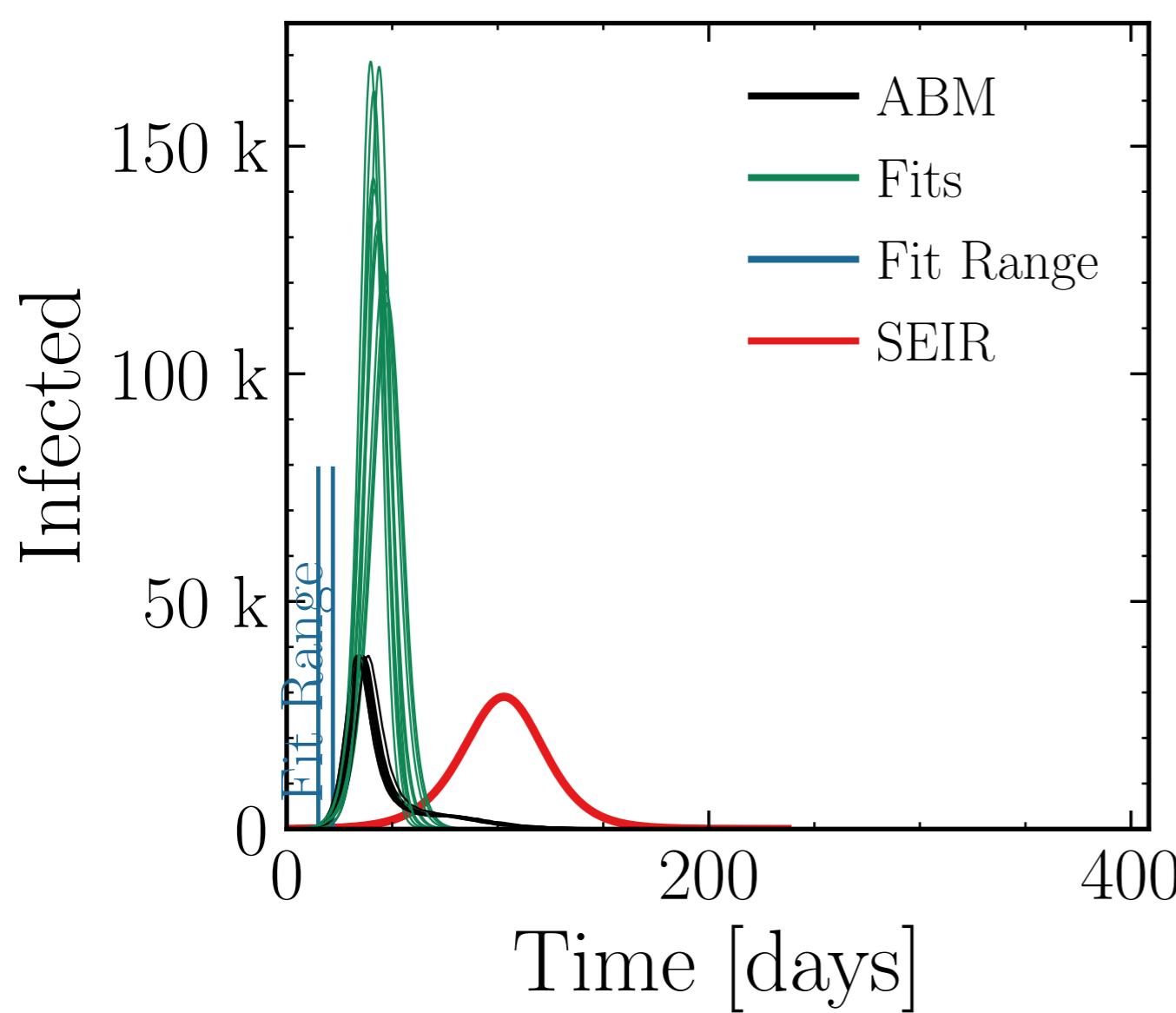
$N_{\text{events}} = 0$ , event<sub>size<sub>max</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{max}}^{\text{fit}} = (140 \pm 4.3\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 3.7 \pm 0.15$$

$$v. = 1.0, \text{hash} = 6f0ea4e17f_{R_{\infty}^{\text{fit}}} \#10, (565 \pm 0.45\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 2.87 \pm 0.012$$



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

$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

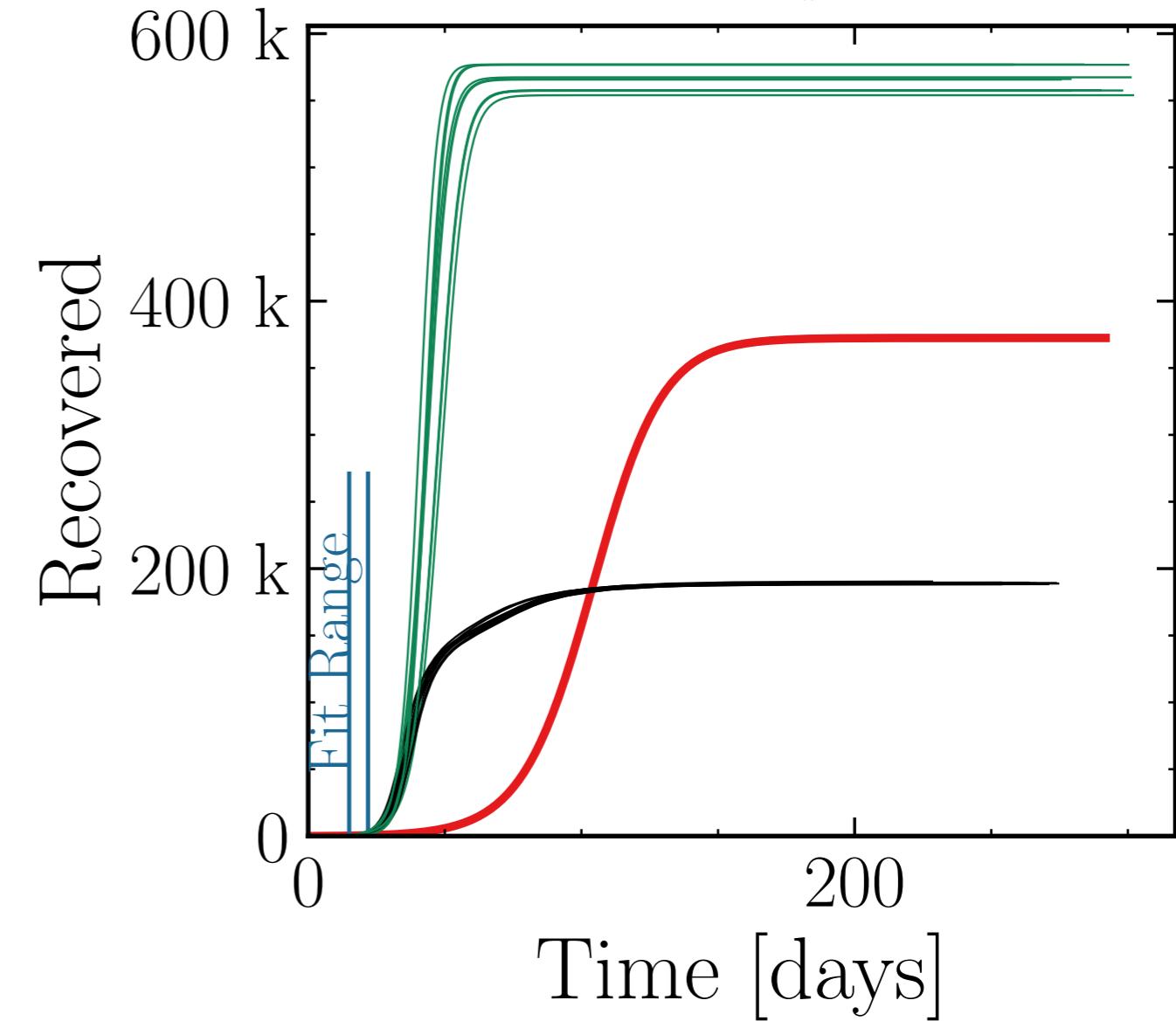
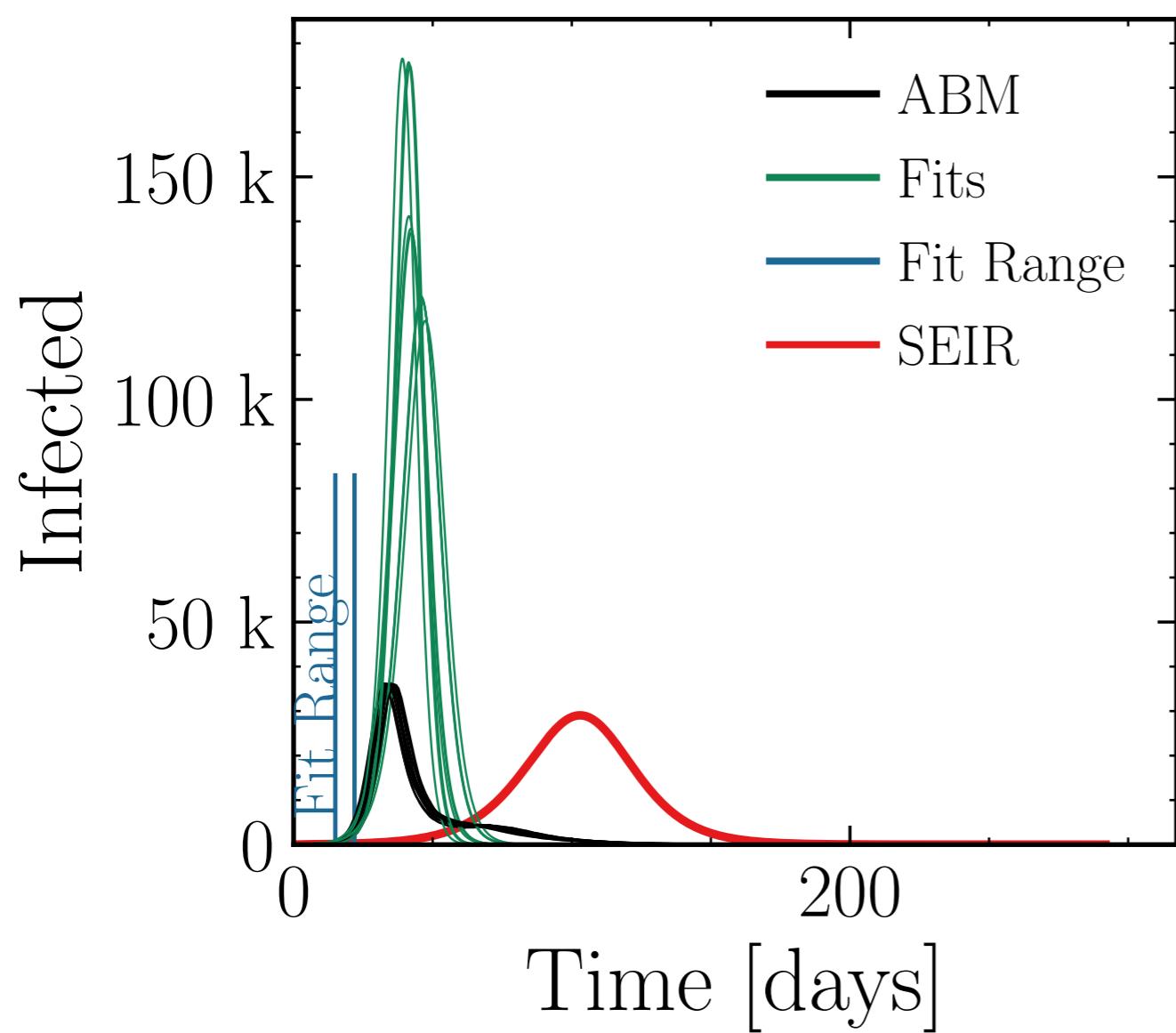
$N_{\text{events}} = 0$ , event<sub>size<sub>max</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{max}}^{\text{fit}} = (143 \pm 5.0\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 4 \pm 0.20$$

$$\text{v.} = 1.0, \text{hash} = \text{d5f8c651b1}\#\text{10}, R_{\infty}^{\text{fit}} = (566 \pm 0.47\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 2.99 \pm 0.014$$



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

$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

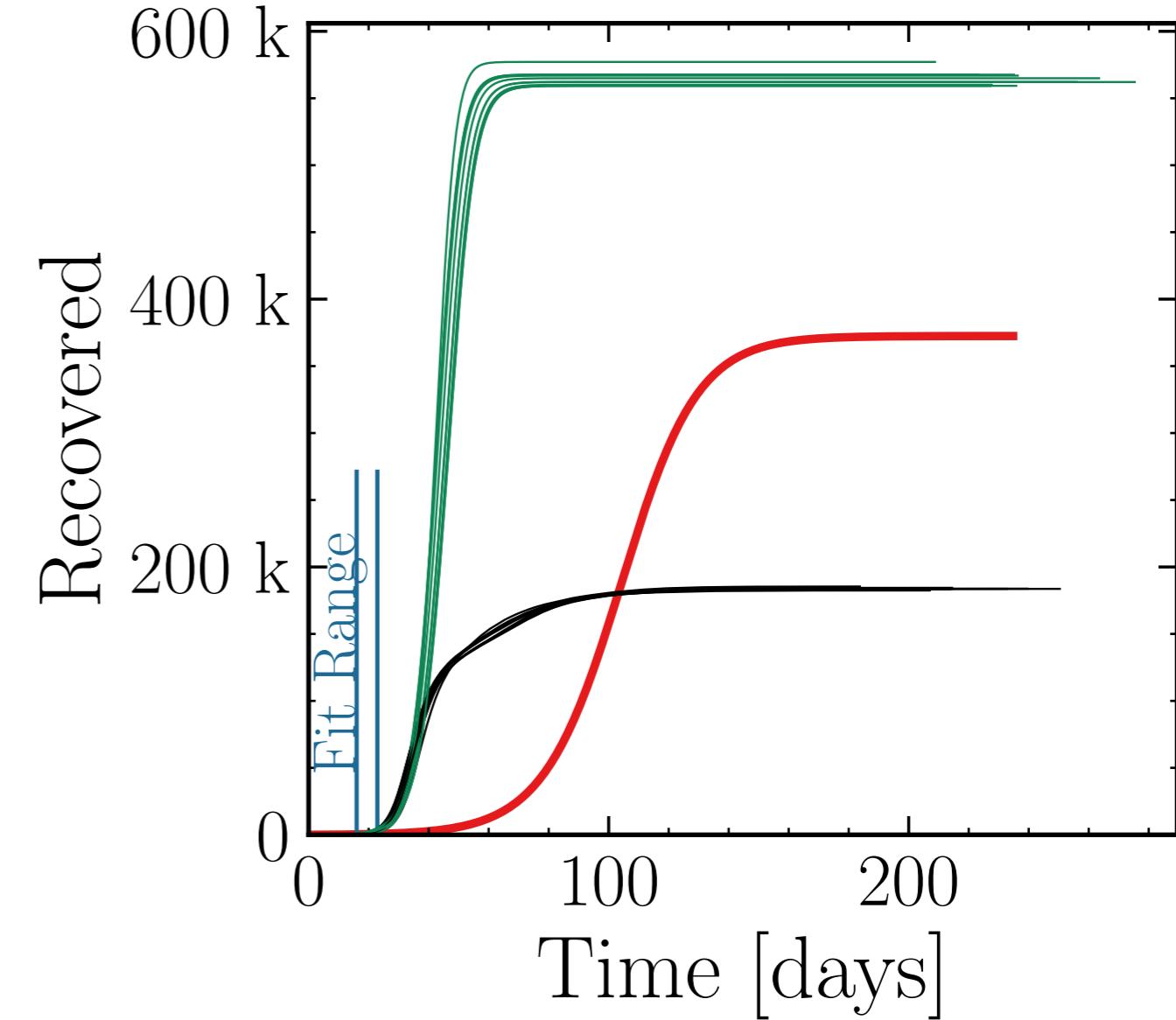
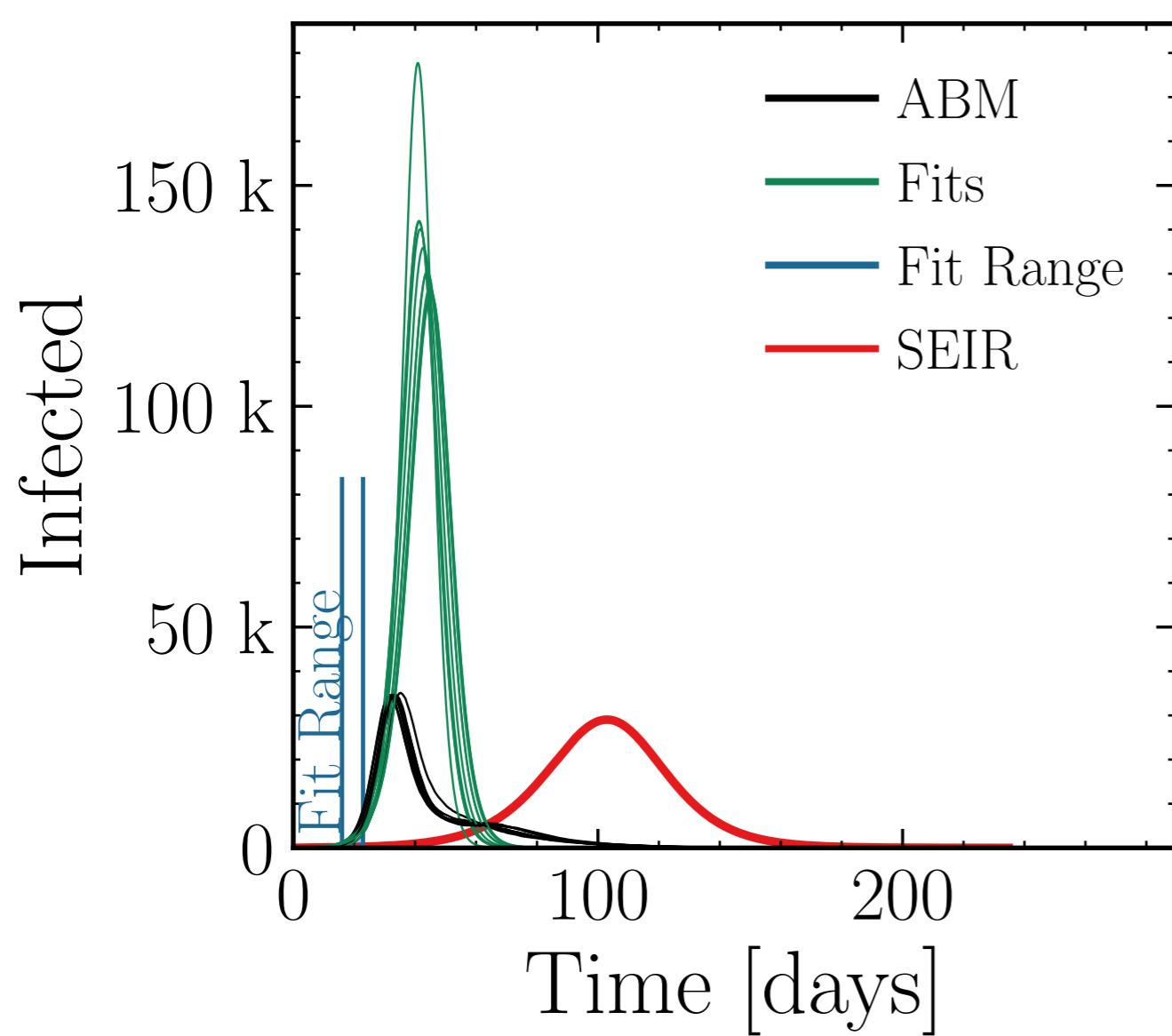
$N_{\text{events}} = 0$ , event<sub>size<sub>max</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$$I_{\text{max}}^{\text{fit}} = (138 \pm 3.4\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 4 \pm 0.13$$

$$\text{v.} = 1.0, \text{hash} = 408462e9bh, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (565 \pm 0.29\%) \cdot 10^3$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.3$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 1.0$ , 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> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

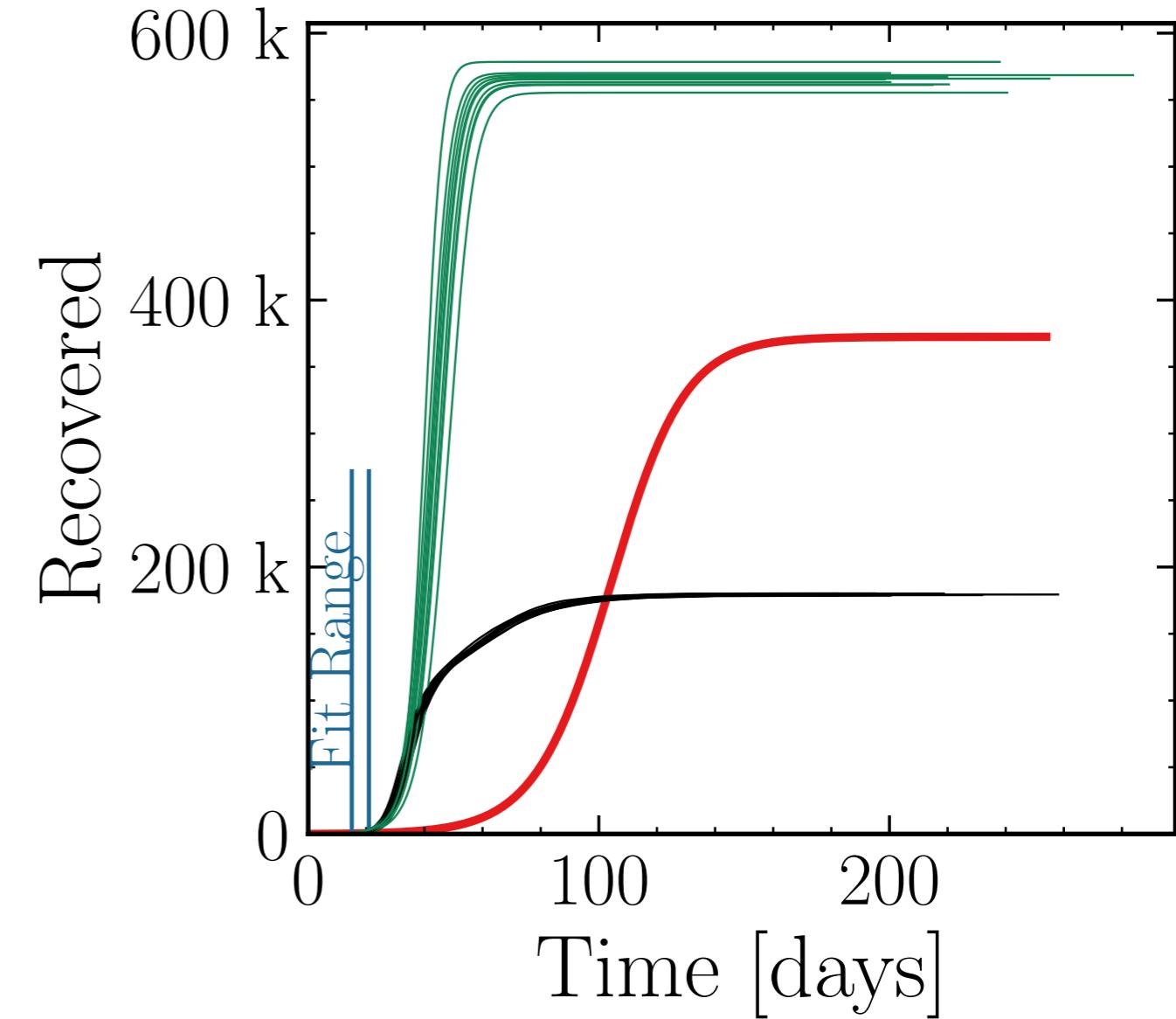
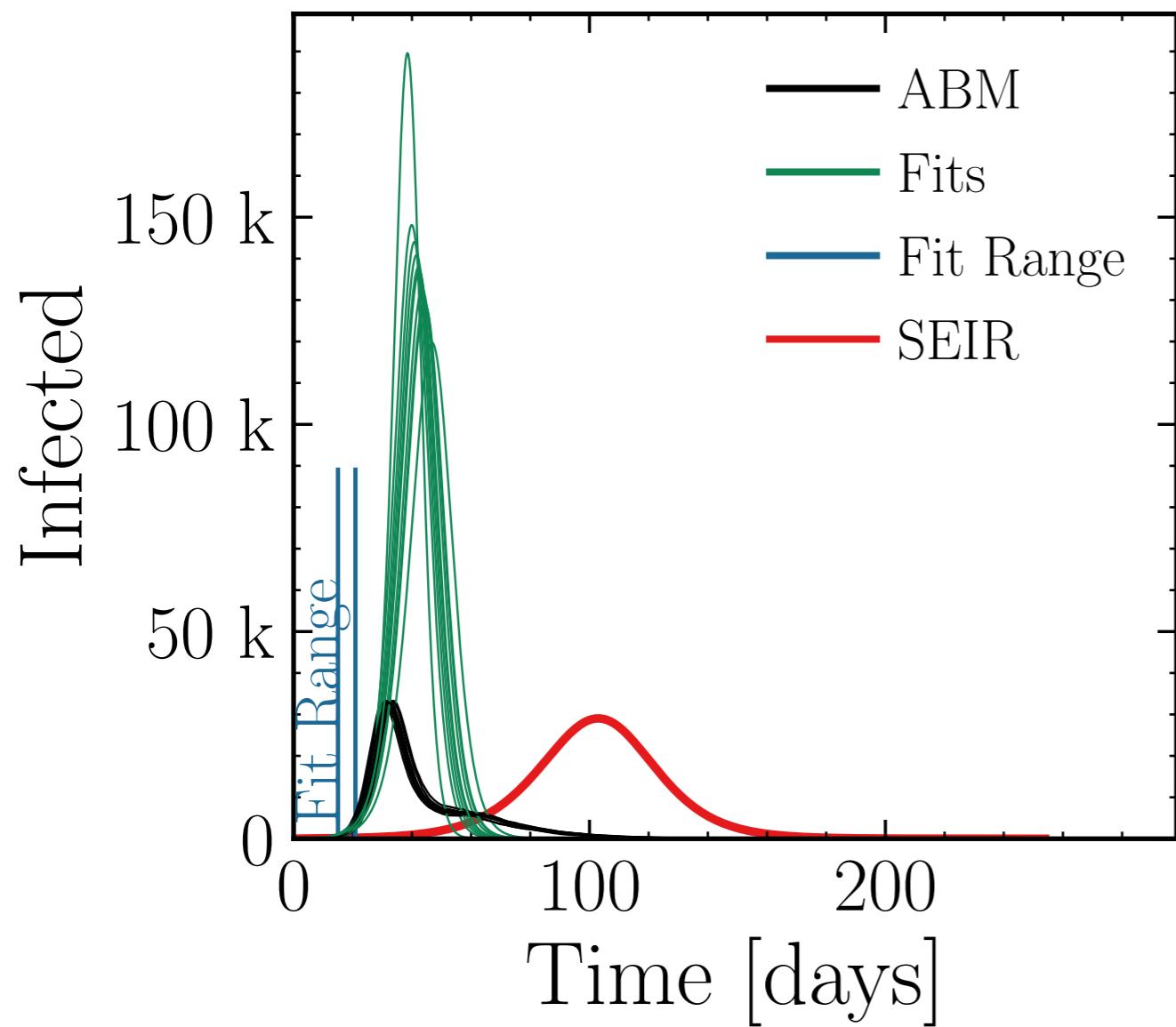
$$I_{\text{max}}^{\text{fit}} = (141 \pm 4.0\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 4.3 \pm 0.17$$

$$\text{v.} = 1.0, \text{hash} = \text{f78b01f7ba}$$

$$R_{\infty}^{\text{fit}} \#(566 \pm 0.33\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 3.15 \pm 0.011$$



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

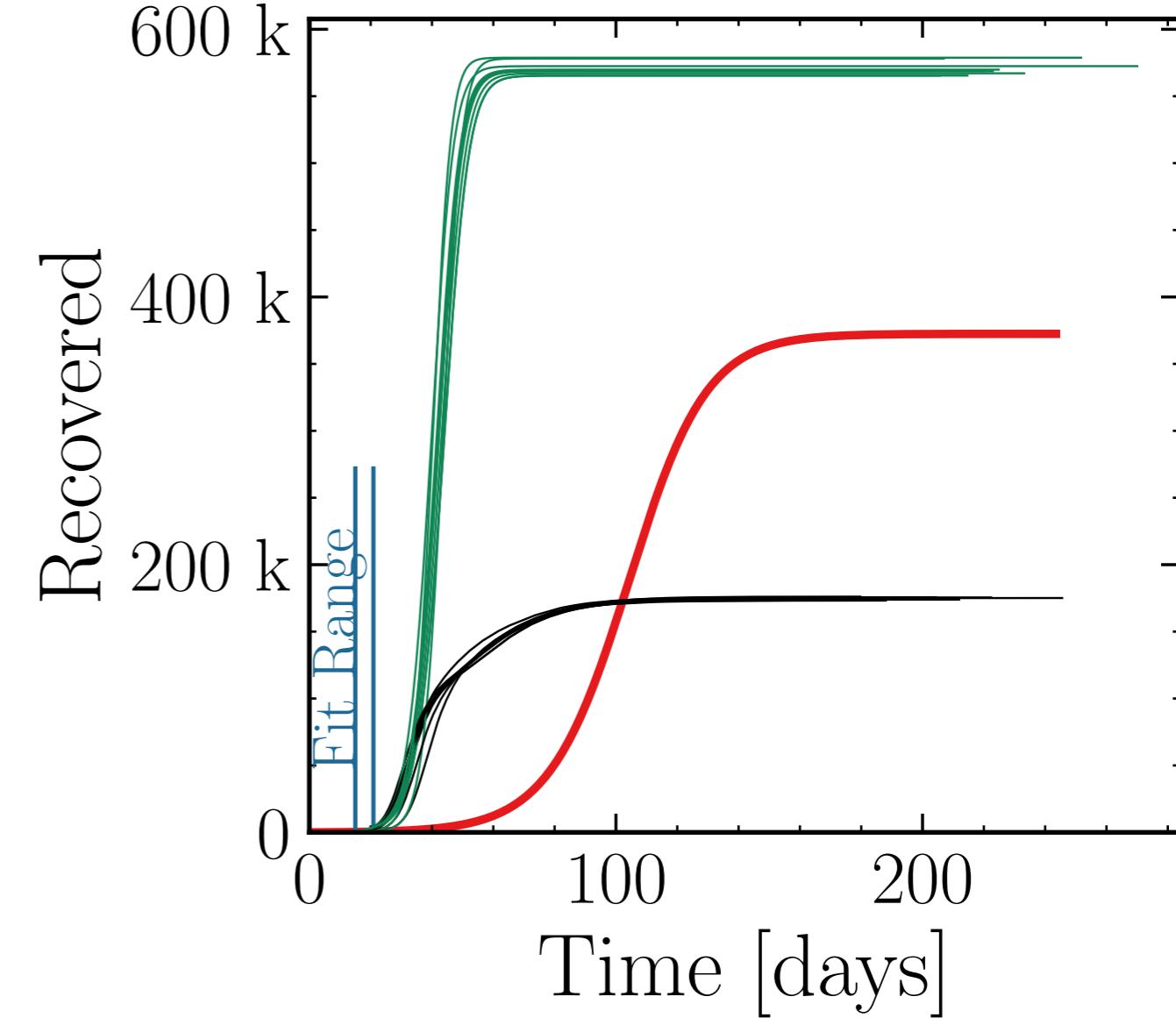
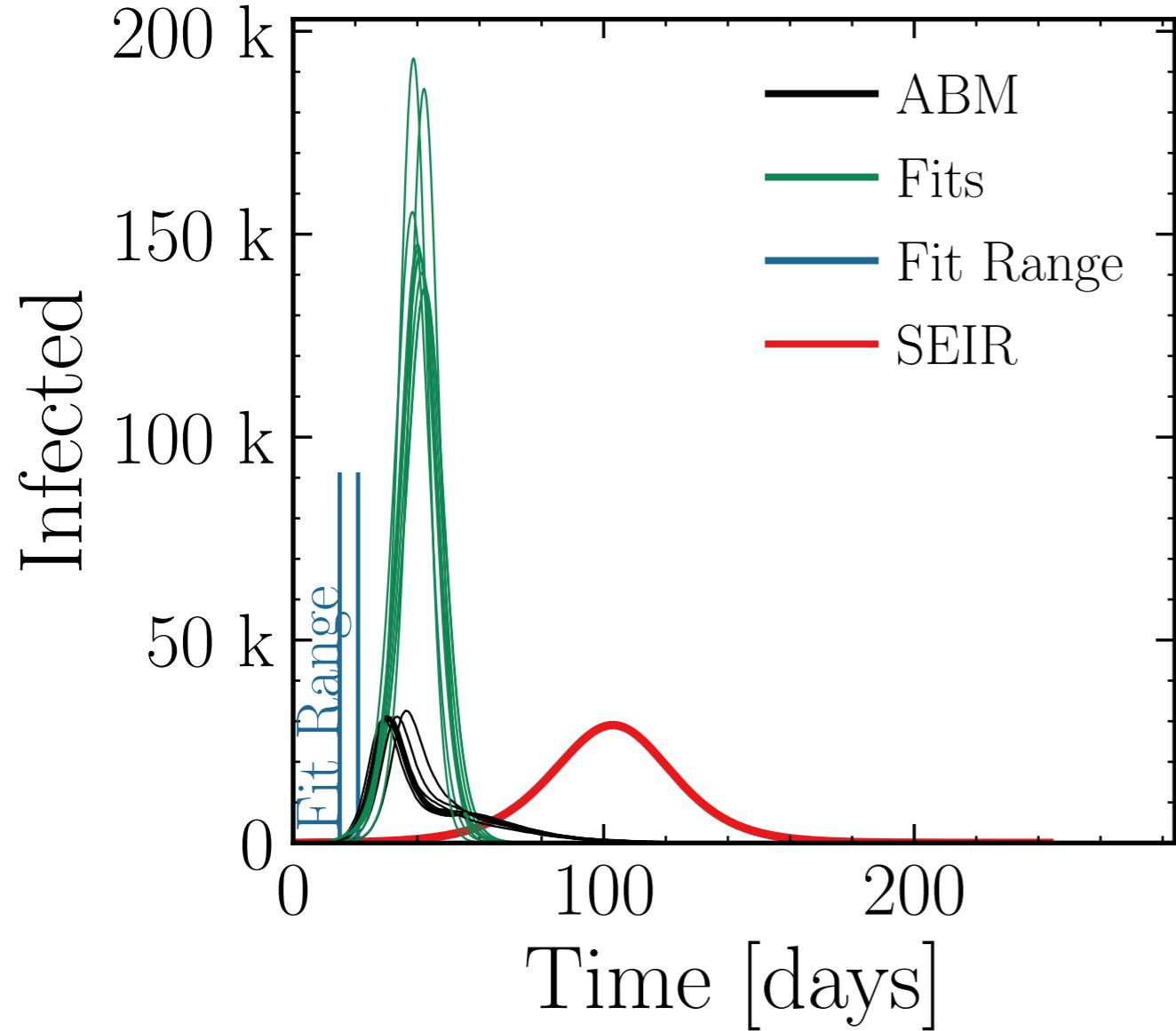
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 0$ , event<sub>size<sub>max</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{max}}^{\text{fit}} = (153 \pm 3.9\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 4.9 \pm 0.17 \quad v. = 1.0, \text{hash} = \text{da9baaeb4f}, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (570 \pm 0.25\%) \cdot 10^3 \quad \frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 3.266 \pm 0.0056$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.5$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 1.0$ , 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> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

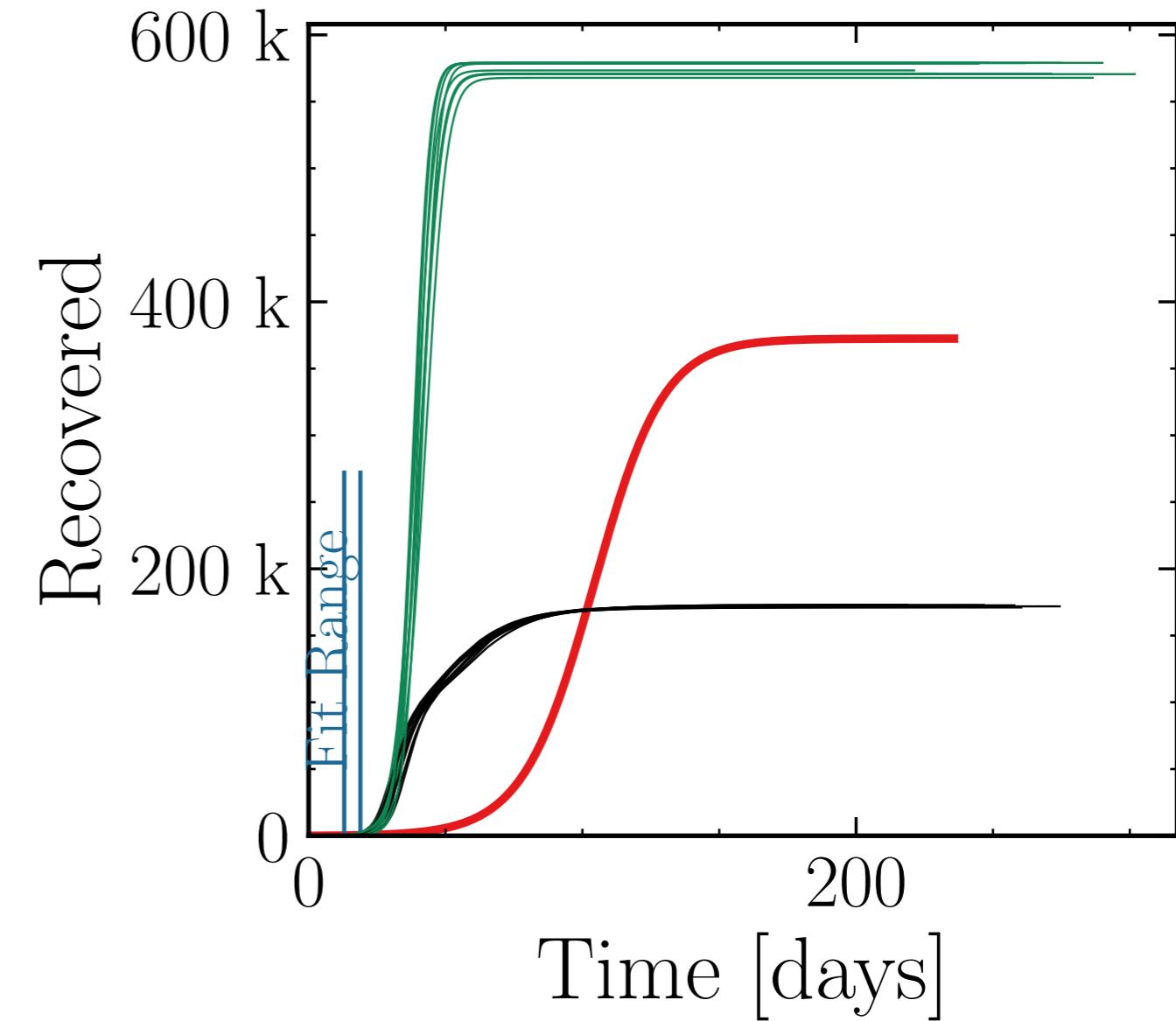
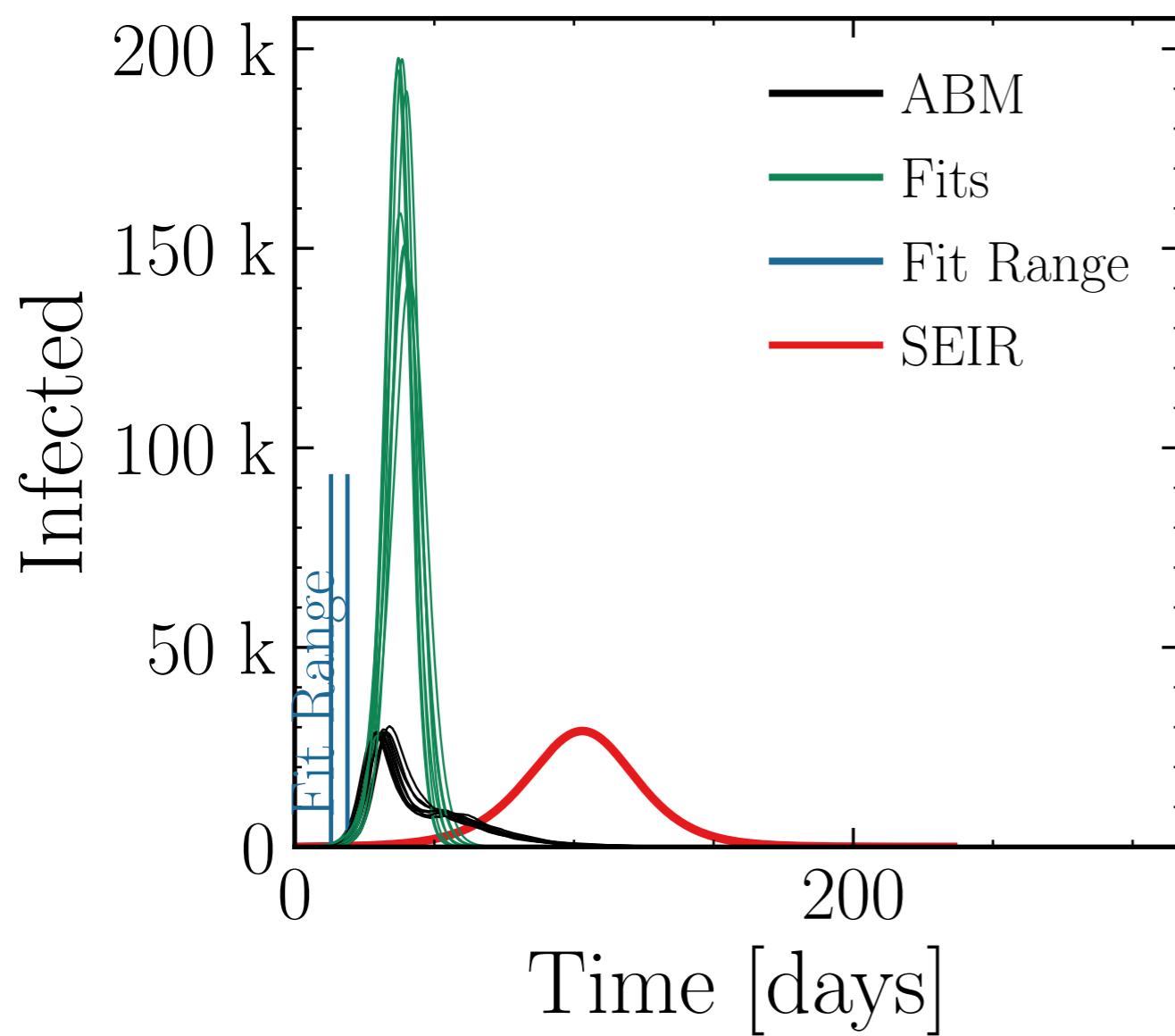
$$I_{\text{max}}^{\text{fit}} = (173 \pm 4.2\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 6 \pm 0.24$$

$$\text{v.} = 1.0, \text{hash} = \text{ed4781ebf2}\#\text{10}$$

$$R_{\infty}^{\text{fit}} = (575 \pm 0.23\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 3.333 \pm 0.0067$$



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

$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

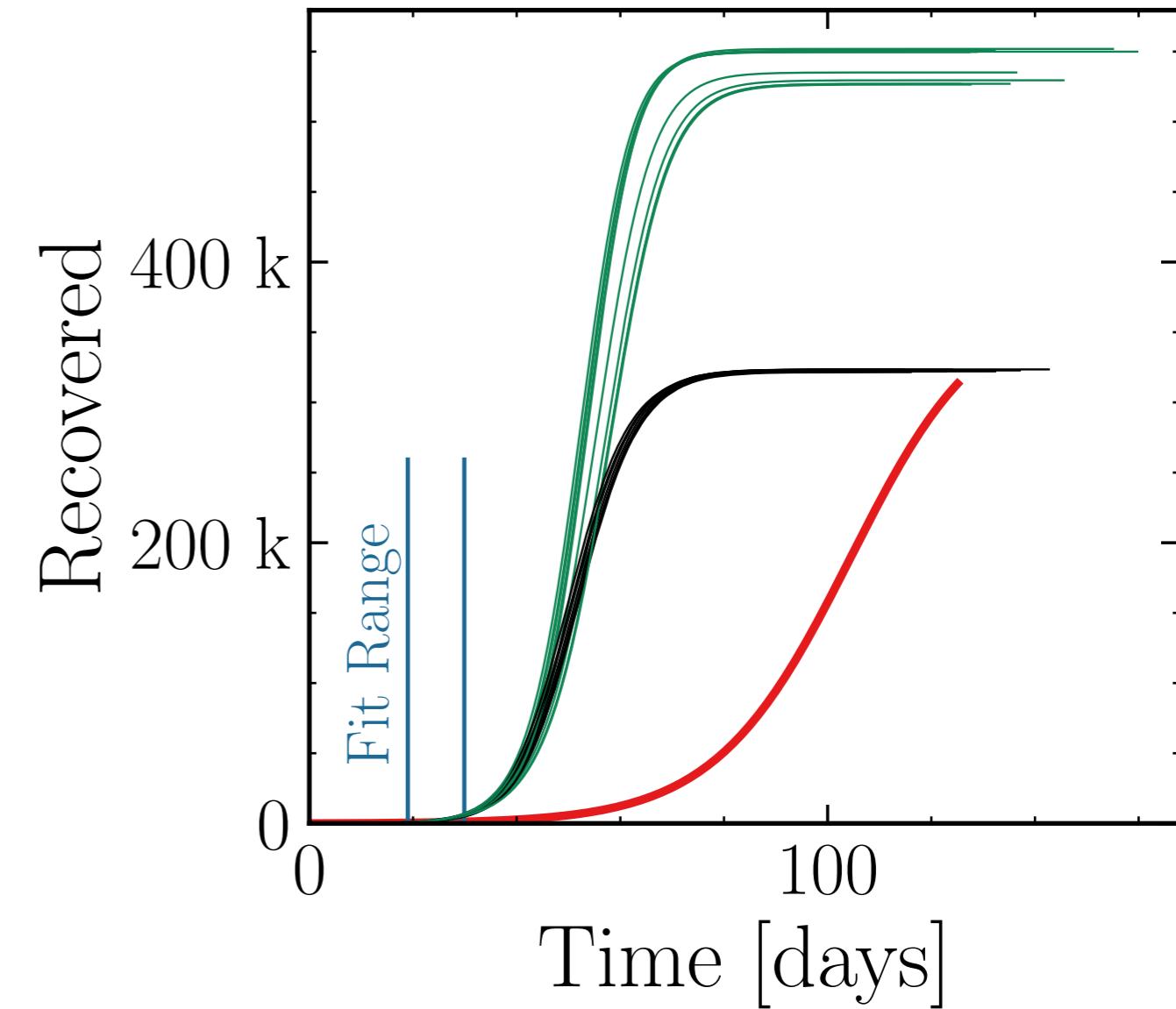
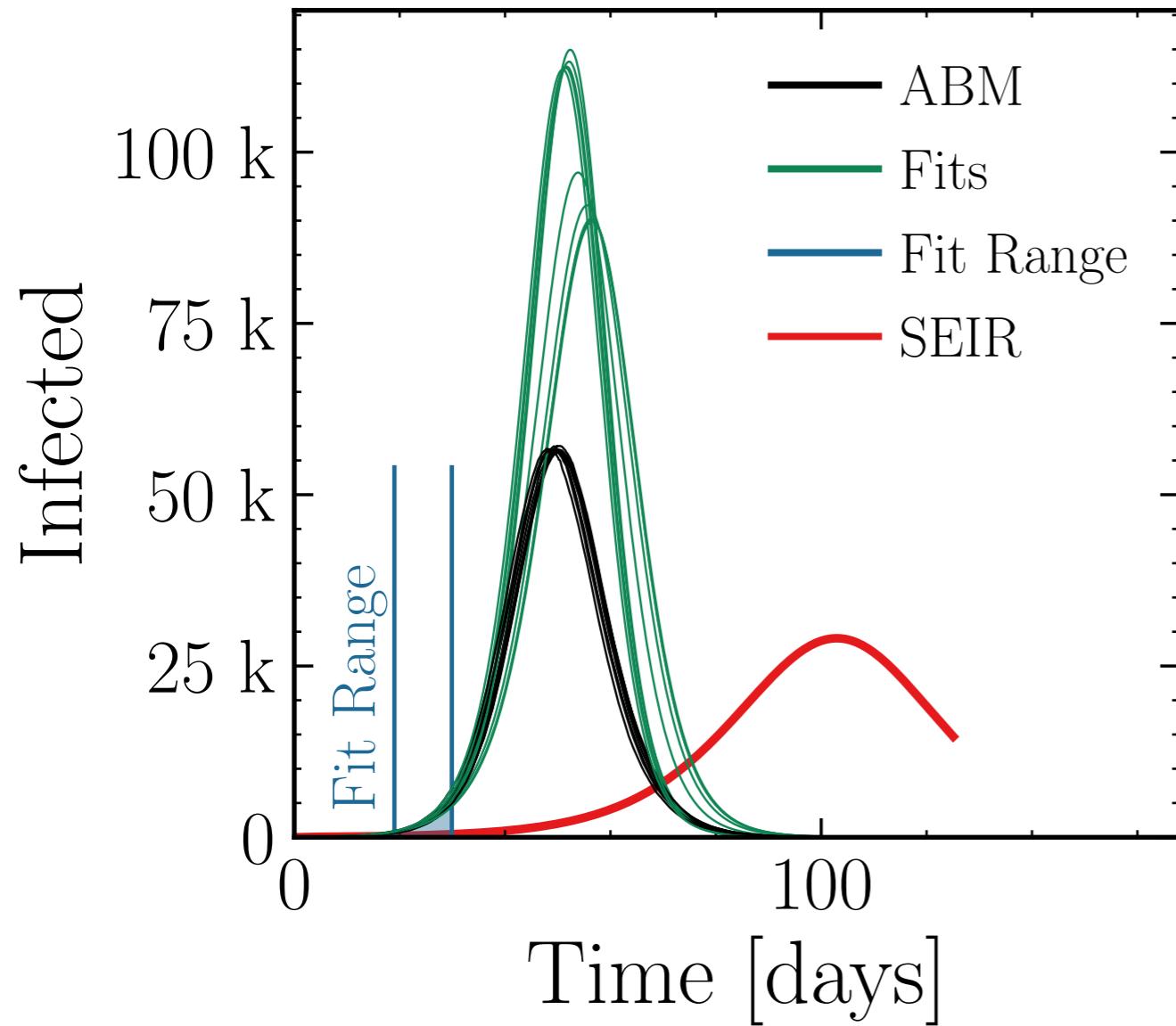
$N_{\text{events}} = 0$ , event<sub>size<sub>max</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{max}}^{\text{fit}} = (102 \pm 3.3\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1.81 \pm 0.059 \quad v. = 1.0, \text{hash} = \text{fa8d8e9b22}\#\text{10}$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (540 \pm 0.64\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{fit}}} = 1.67 \pm 0.010$$



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

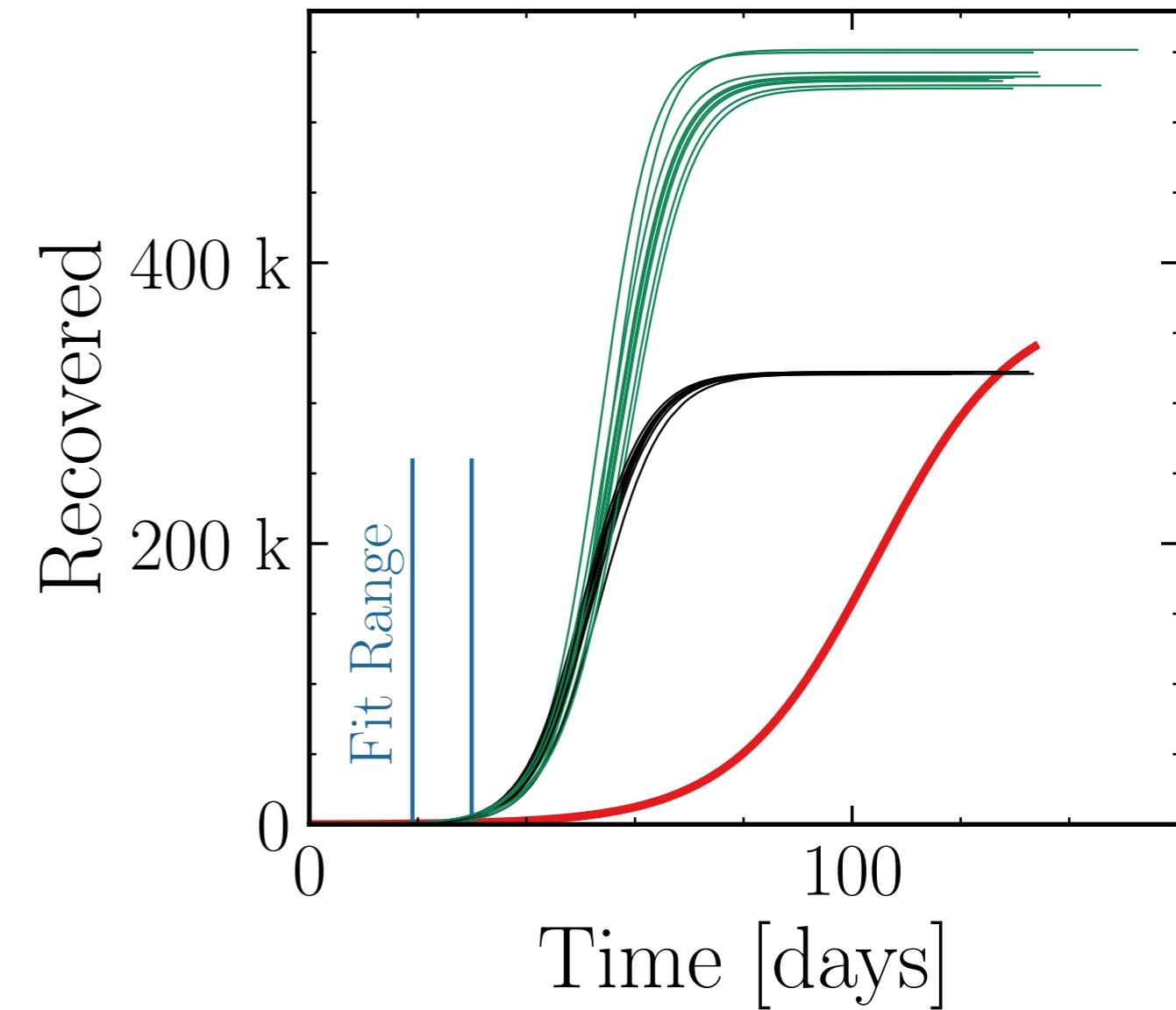
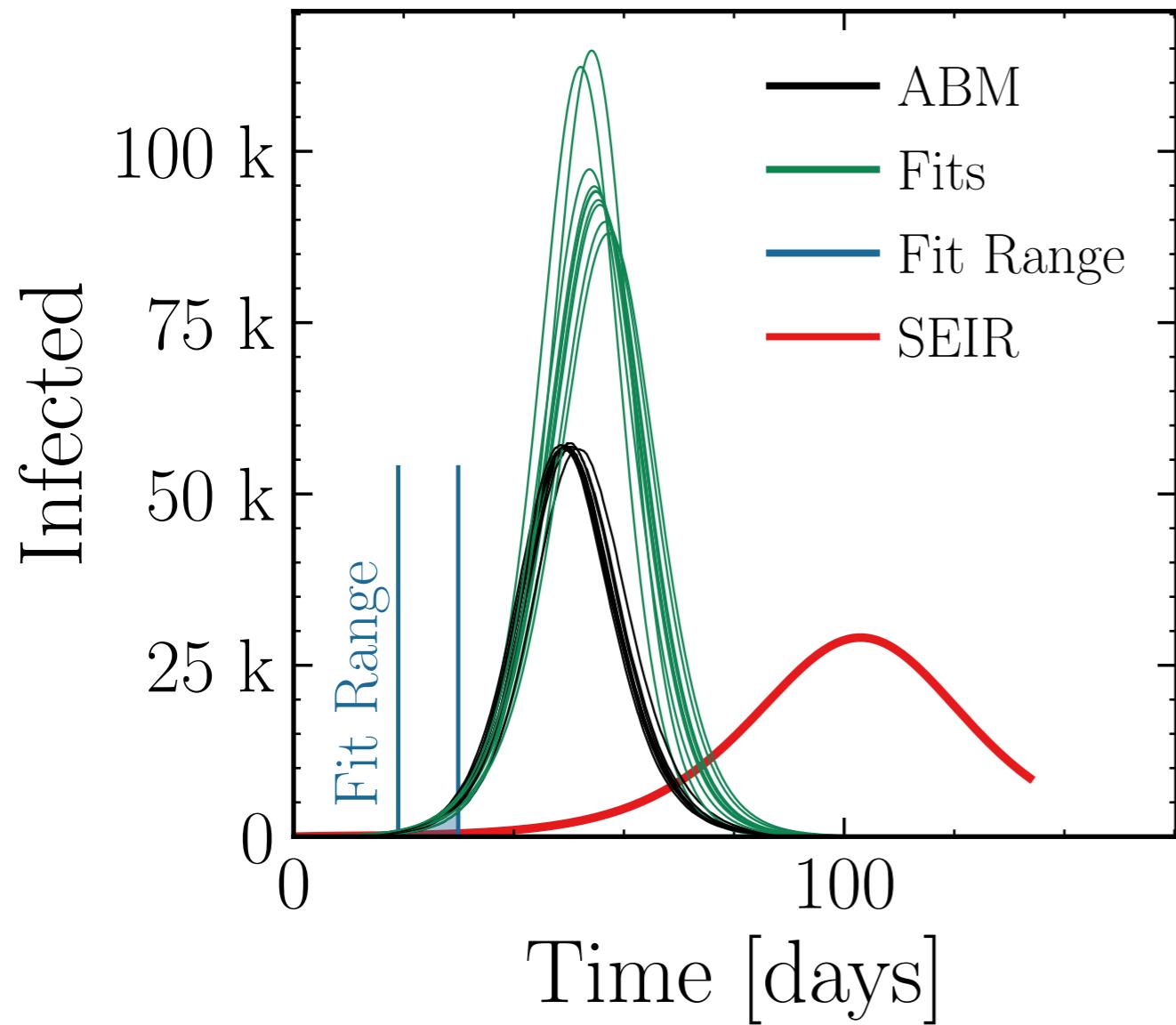
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 0$ , event<sub>size<sub>max</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{max}}^{\text{fit}} = (97 \pm 2.8\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1.71 \pm 0.049 \quad v. = 1.0, \text{hash} = 179\text{ffd9360}, \#10, (534 \pm 0.52\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.662 \pm 0.0091$$



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

$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

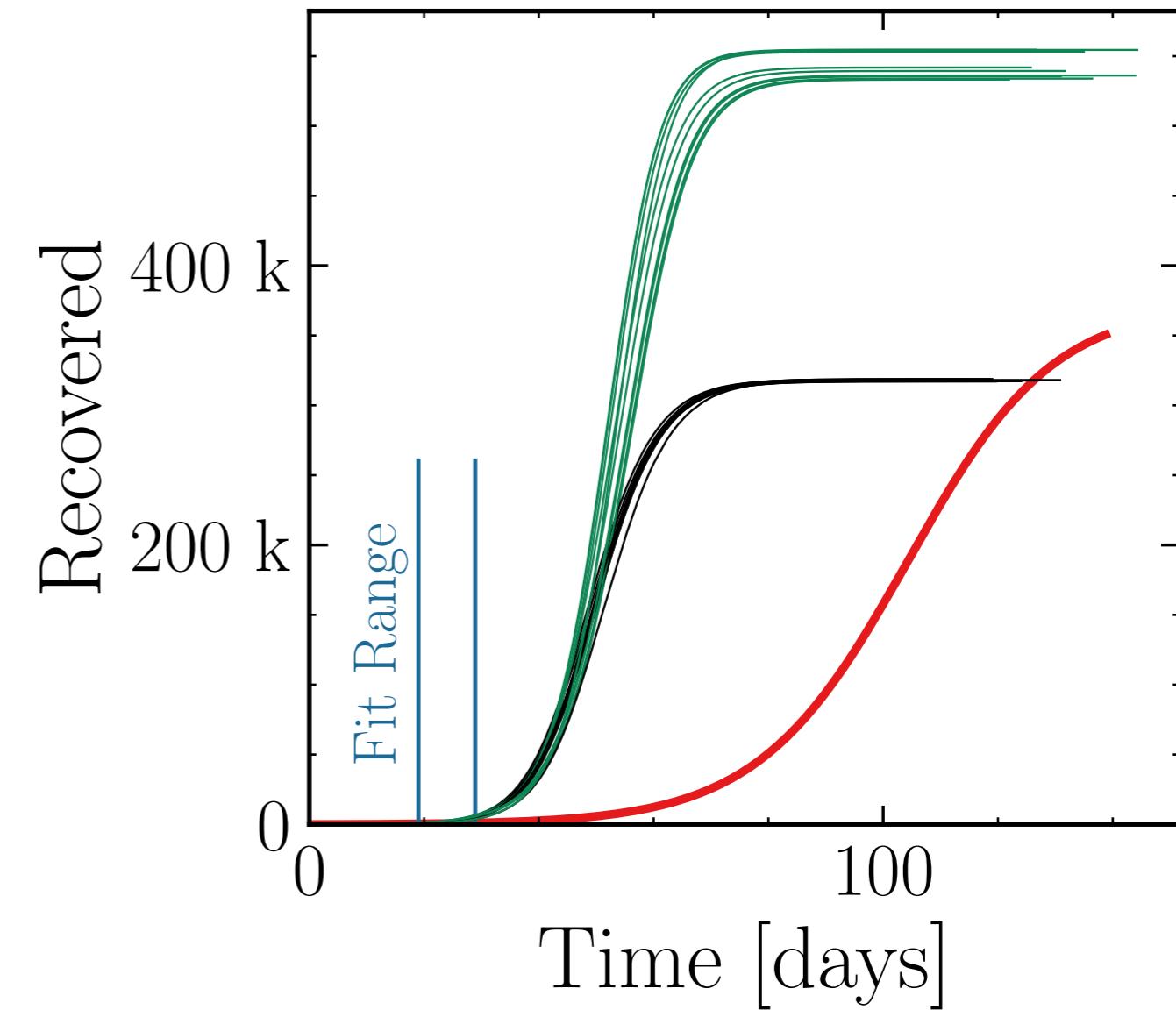
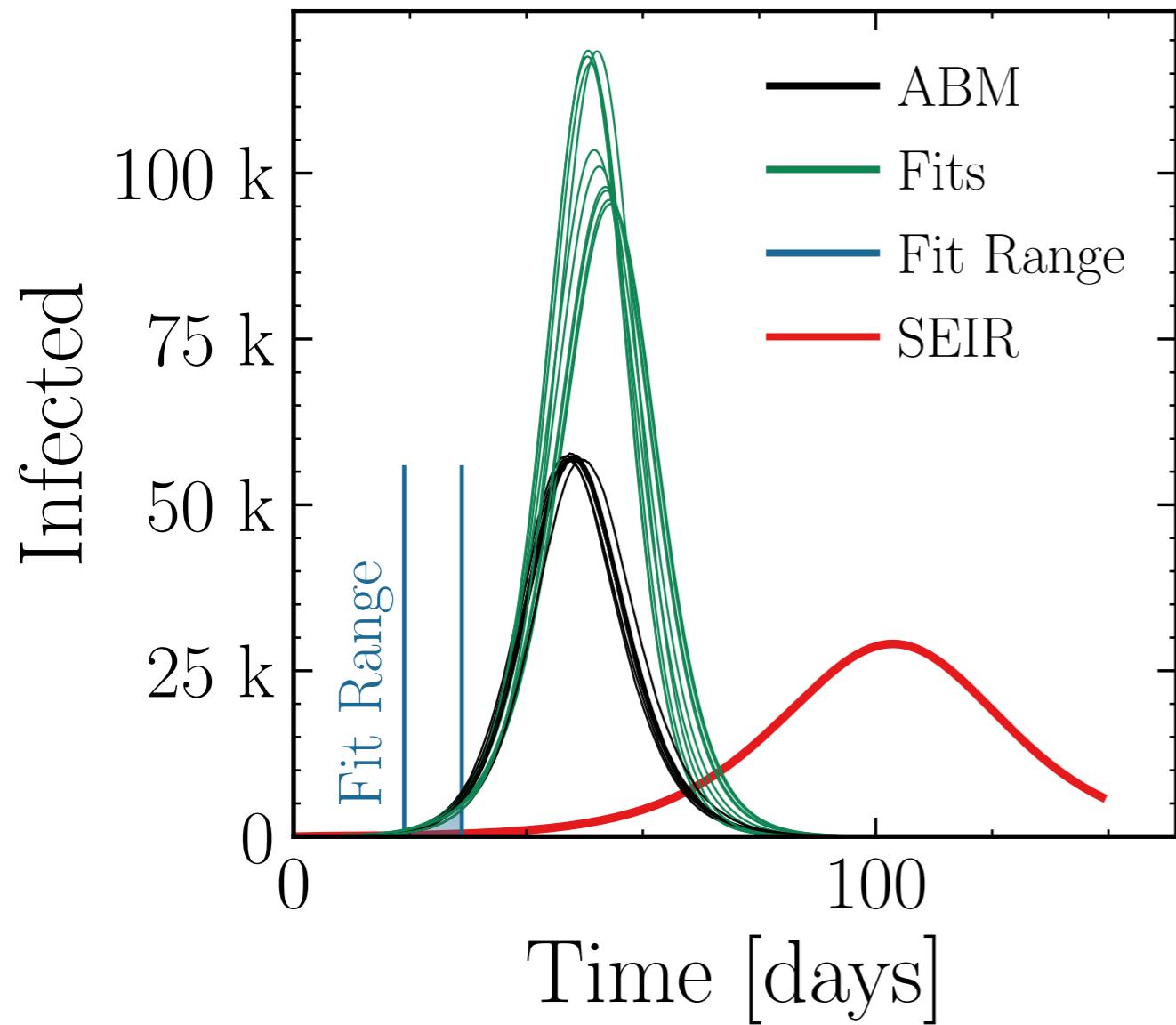
$N_{\text{events}} = 0$ , event<sub>size<sub>max</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{max}}^{\text{fit}} = (106 \pm 2.9\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1.86 \pm 0.055 \quad v. = 1.0, \text{hash} = 7d815055ch, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (544 \pm 0.51\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.71 \pm 0.0090$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.015$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 1.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , 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> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

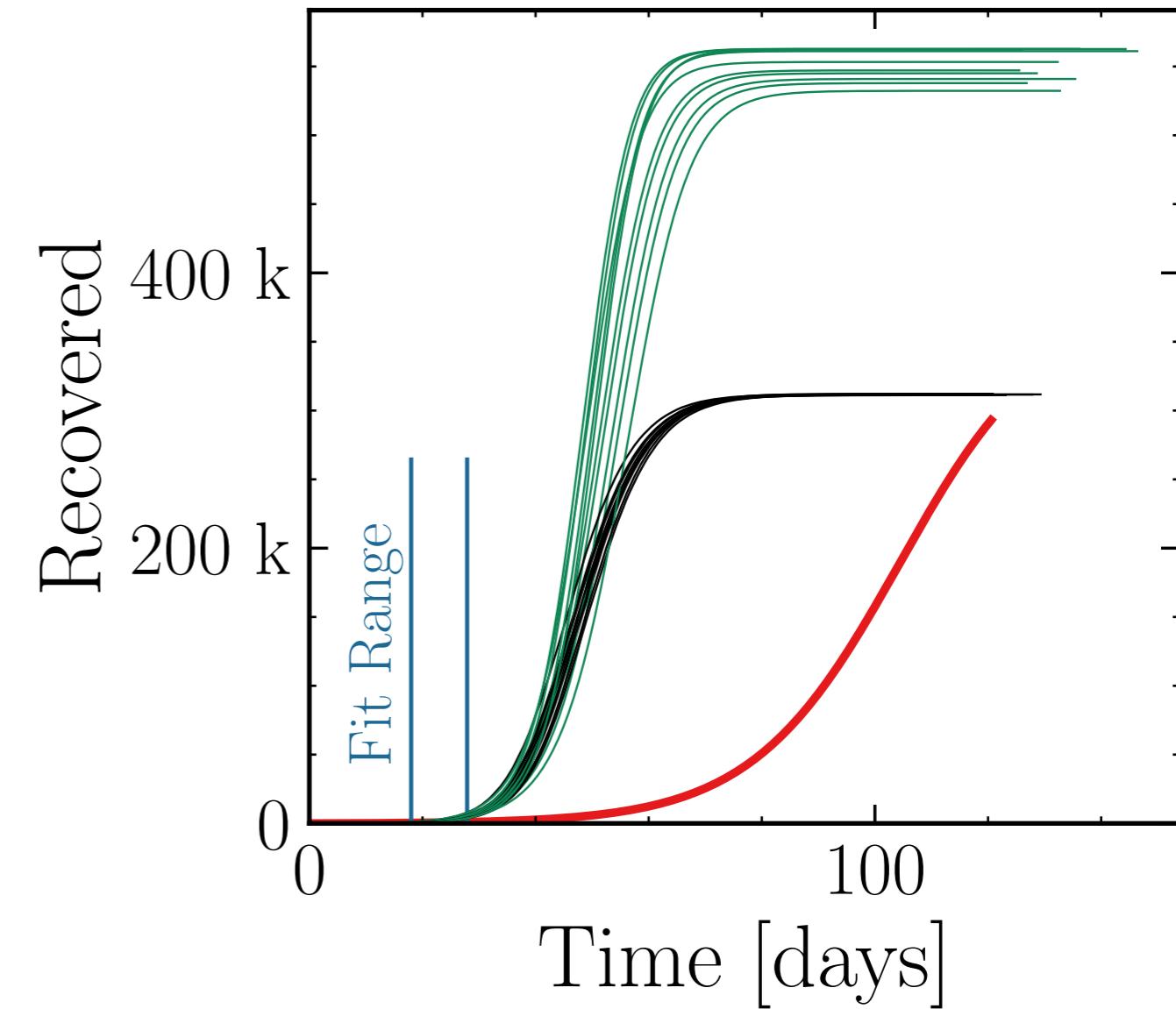
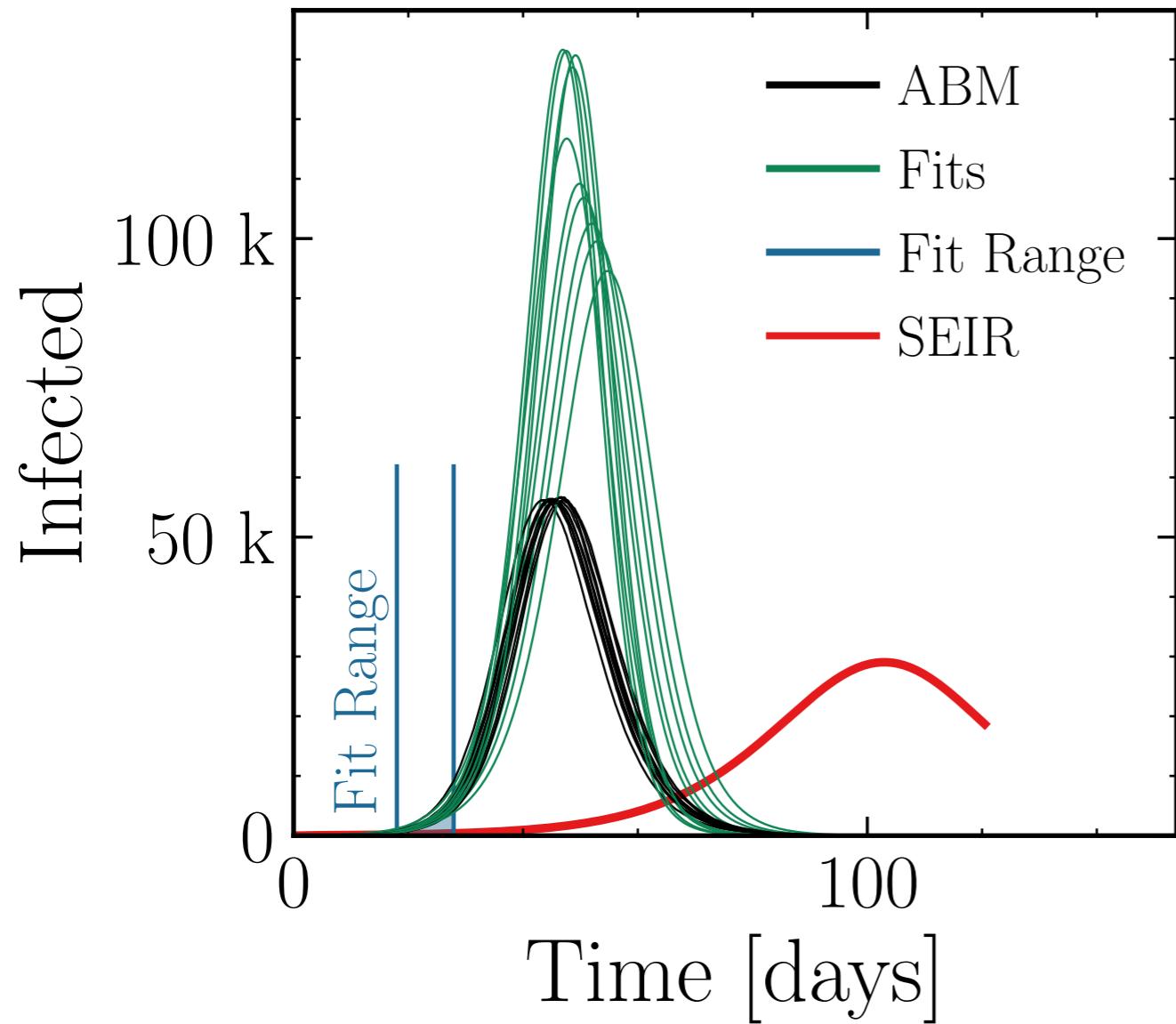
$$I_{\text{max}}^{\text{fit}} = (115 \pm 3.8\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 2.05 \pm 0.078$$

v. = 1.0, hash = b2456f5aaf, #10

$$R_{\infty}^{\text{fit}} = (551 \pm 0.62\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.77 \pm 0.011$$



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

$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

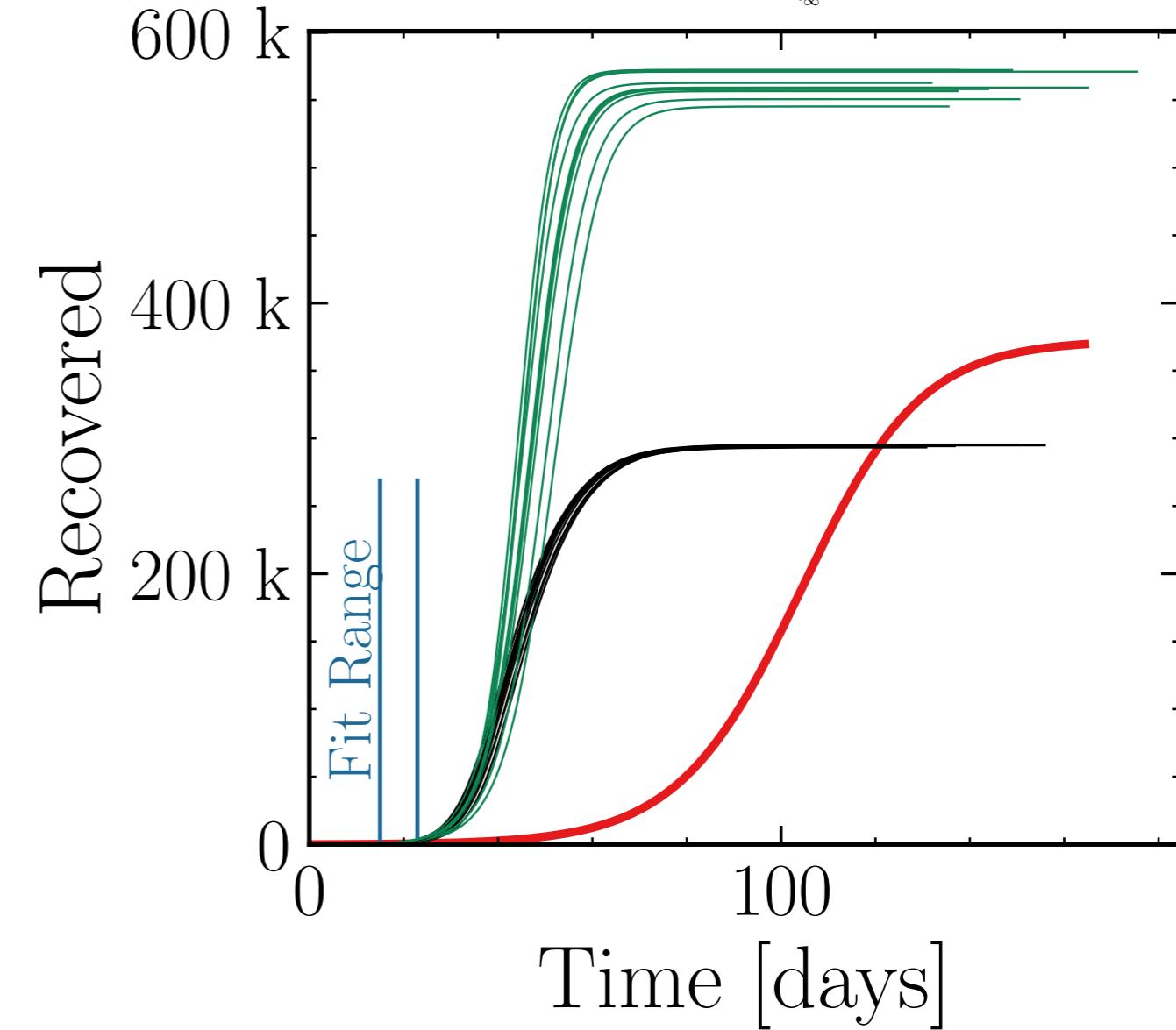
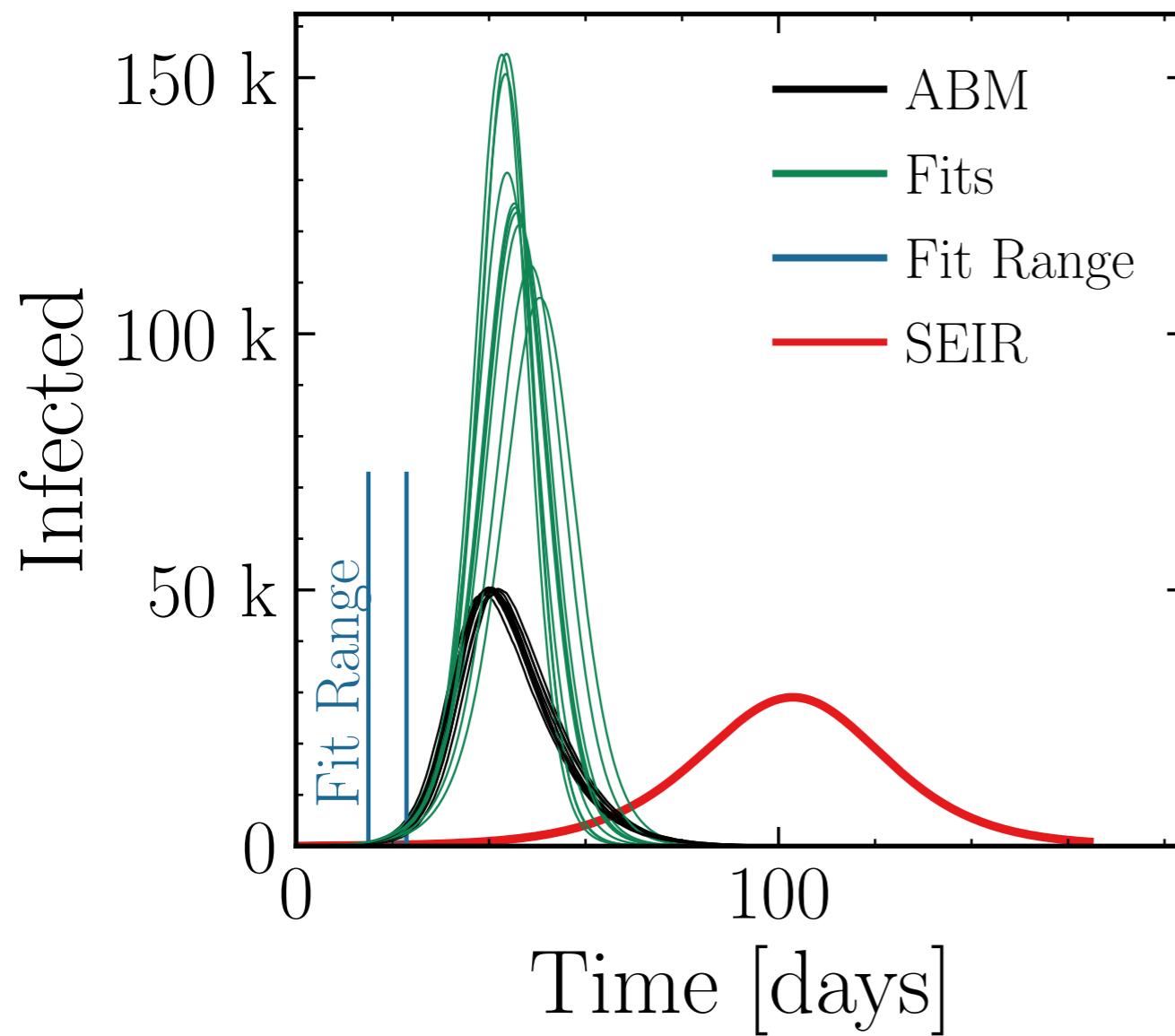
$N_{\text{events}} = 0$ , event<sub>size<sub>max</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{max}}^{\text{fit}} = (131 \pm 3.9\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{ABM}}^{\text{ABM}}} = 2.62 \pm 0.100 \quad v. = 1.0, \text{hash} = \text{eddbc91bd7}\#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (561 \pm 0.49\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.903 \pm 0.0092$$



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

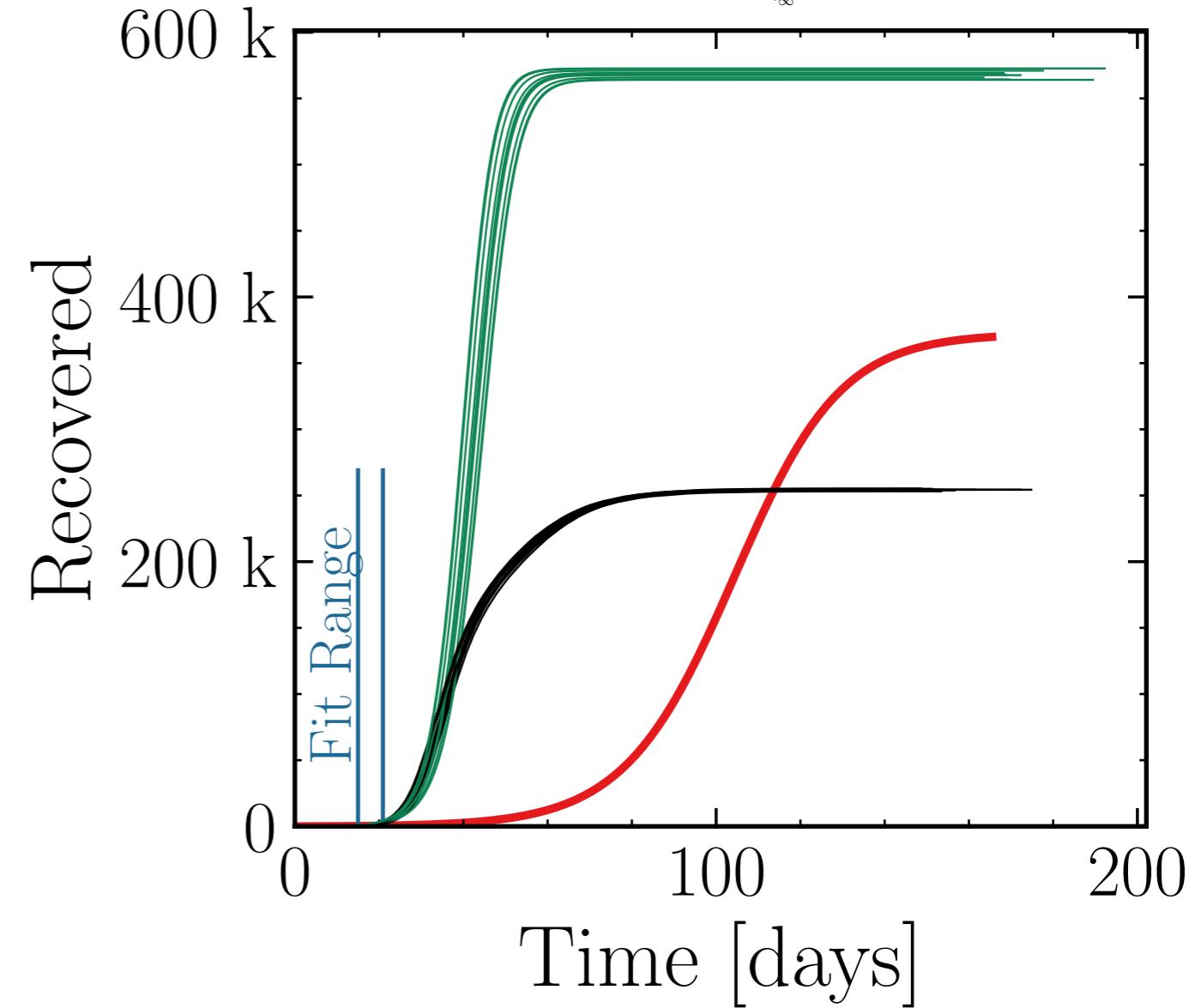
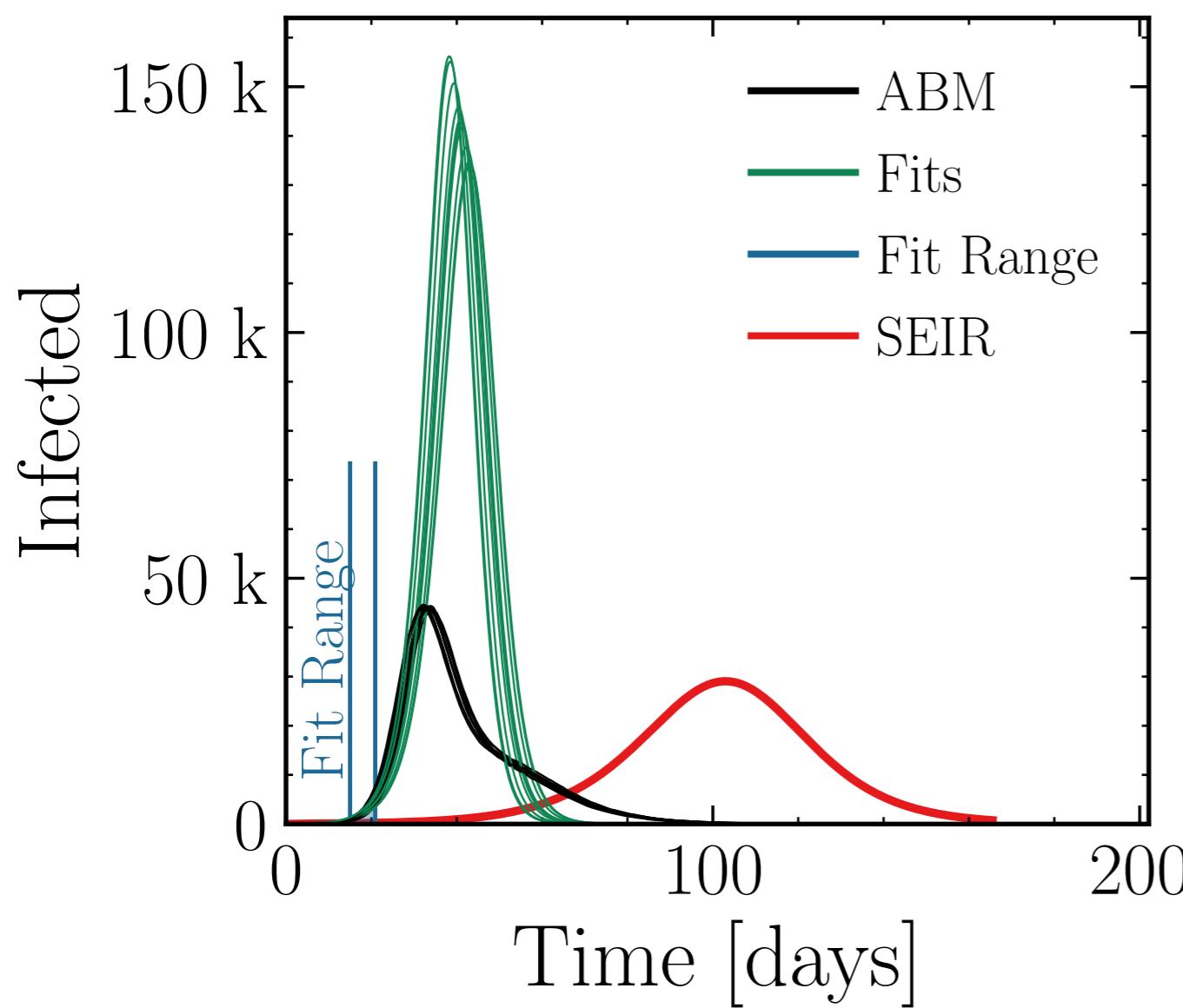
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{connect}} = 0$

$N_{\text{events}} = 0$ , event<sub>size<sub>max</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$$I_{\text{max}}^{\text{fit}} = (144 \pm 1.6\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{ABM}}^{\text{fit}}} = 3.27 \pm 0.050 \quad v. = 1.0, \text{hash} = 1f\text{ee}435e41, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (568.3 \pm 0.16\%) \cdot 10^3 \quad \frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 2.235 \pm 0.0038$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.075$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 1.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , 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> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

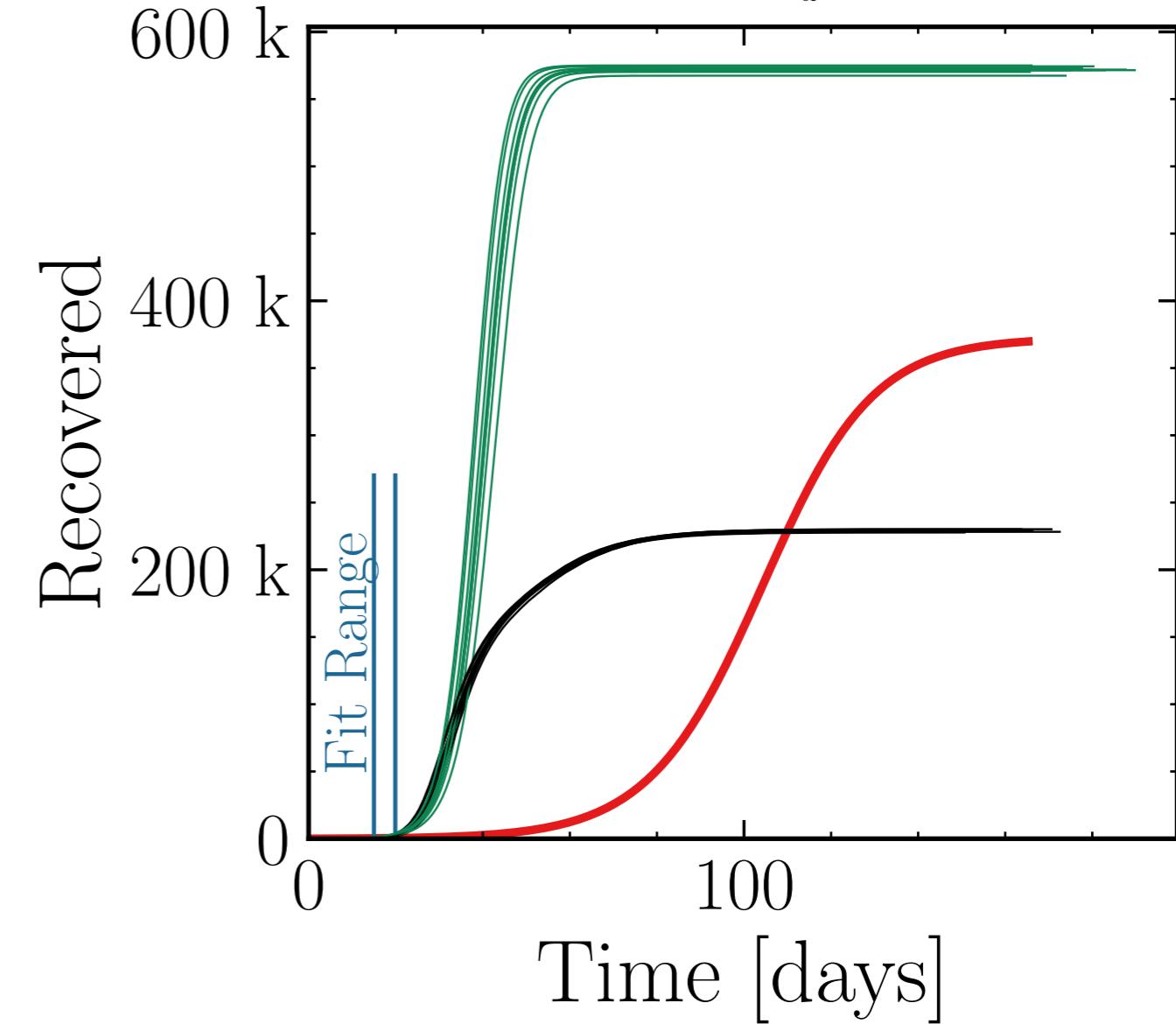
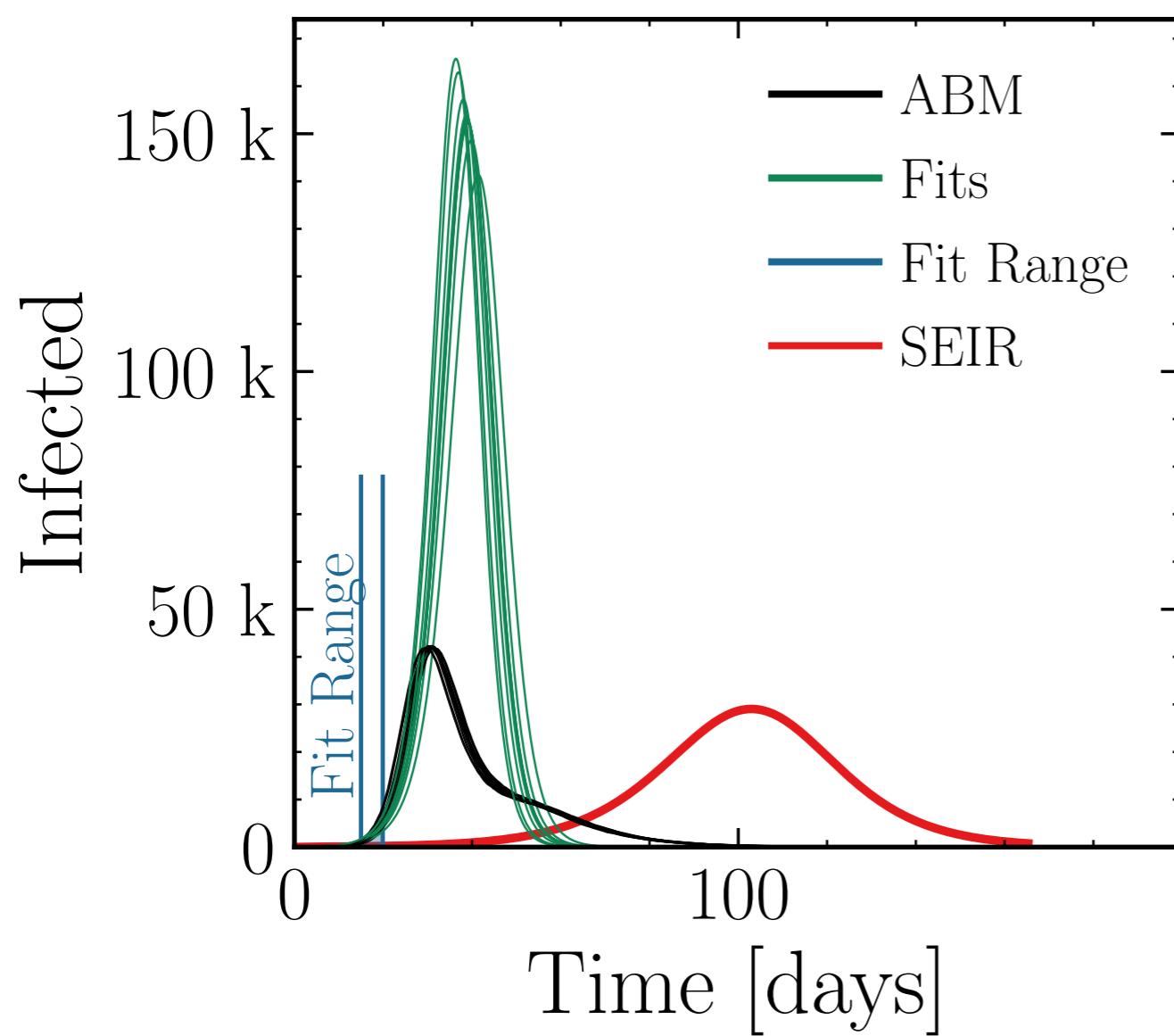
$$I_{\text{max}}^{\text{fit}} = (154 \pm 1.3\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 3.66 \pm 0.049$$

v. = 1.0, hash = 6175bf8c3e, #10

$$R_{\infty}^{\text{fit}} = (571.8 \pm 0.11\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 2.494 \pm 0.0031$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 1.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , 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> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

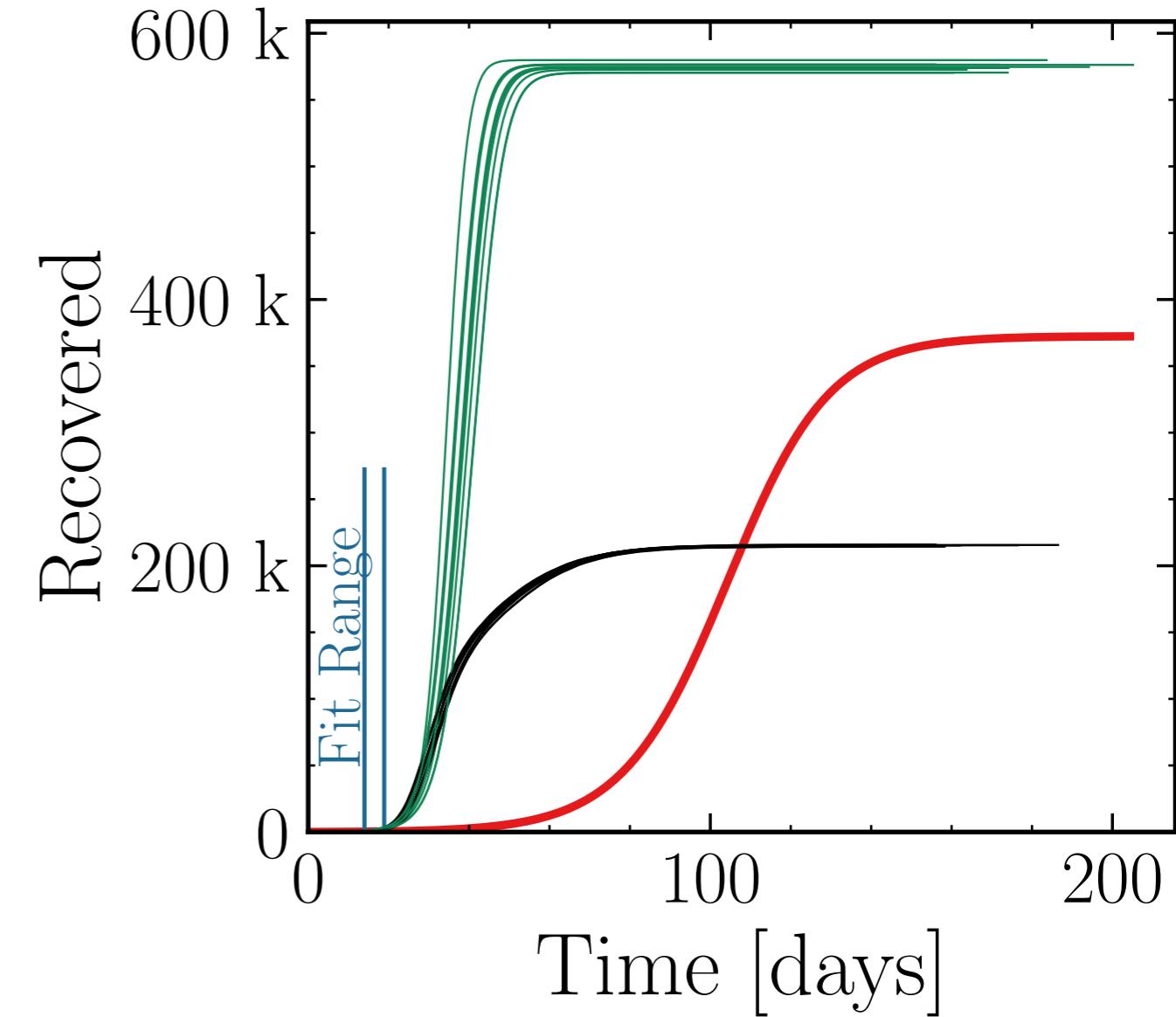
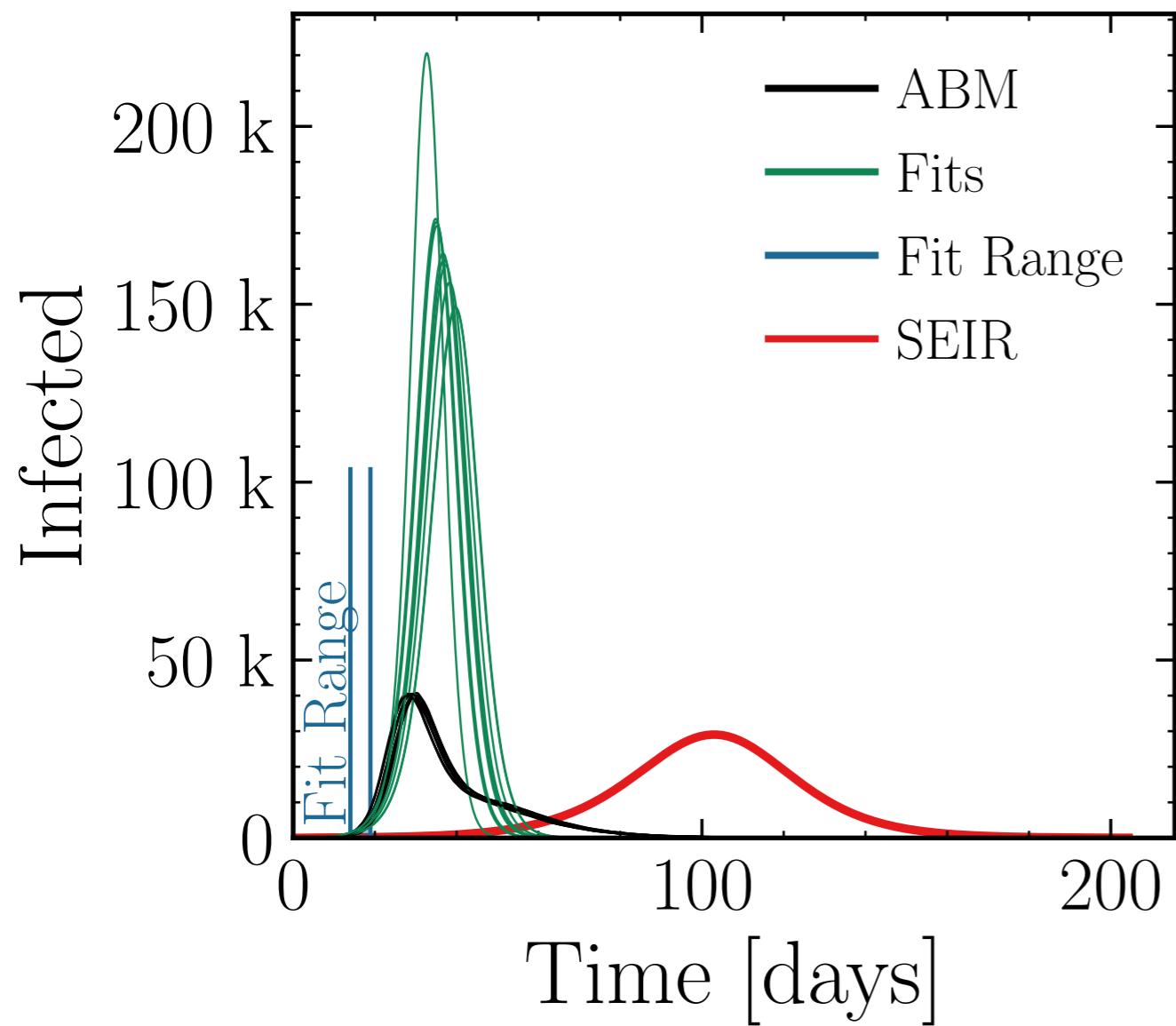
$$I_{\text{max}}^{\text{fit}} = (168 \pm 3.7\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 4.2 \pm 0.15$$

$$\text{v.} = 1.0, \text{hash} = \text{c5c5820f6a}, \#10$$

$$R_{\infty}^{\text{fit}} = (574.6 \pm 0.15\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 2.671 \pm 0.0037$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.15$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 1.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

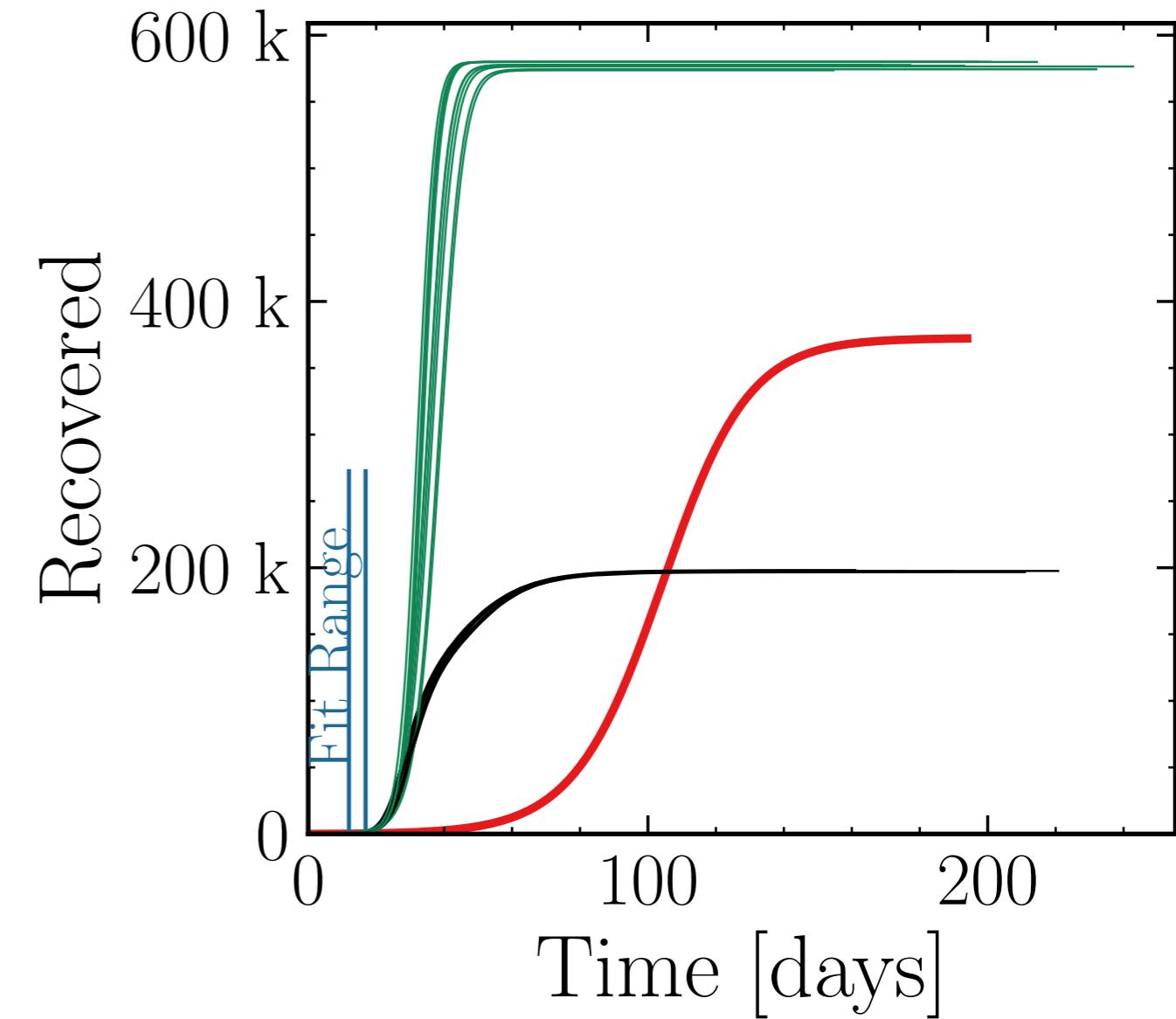
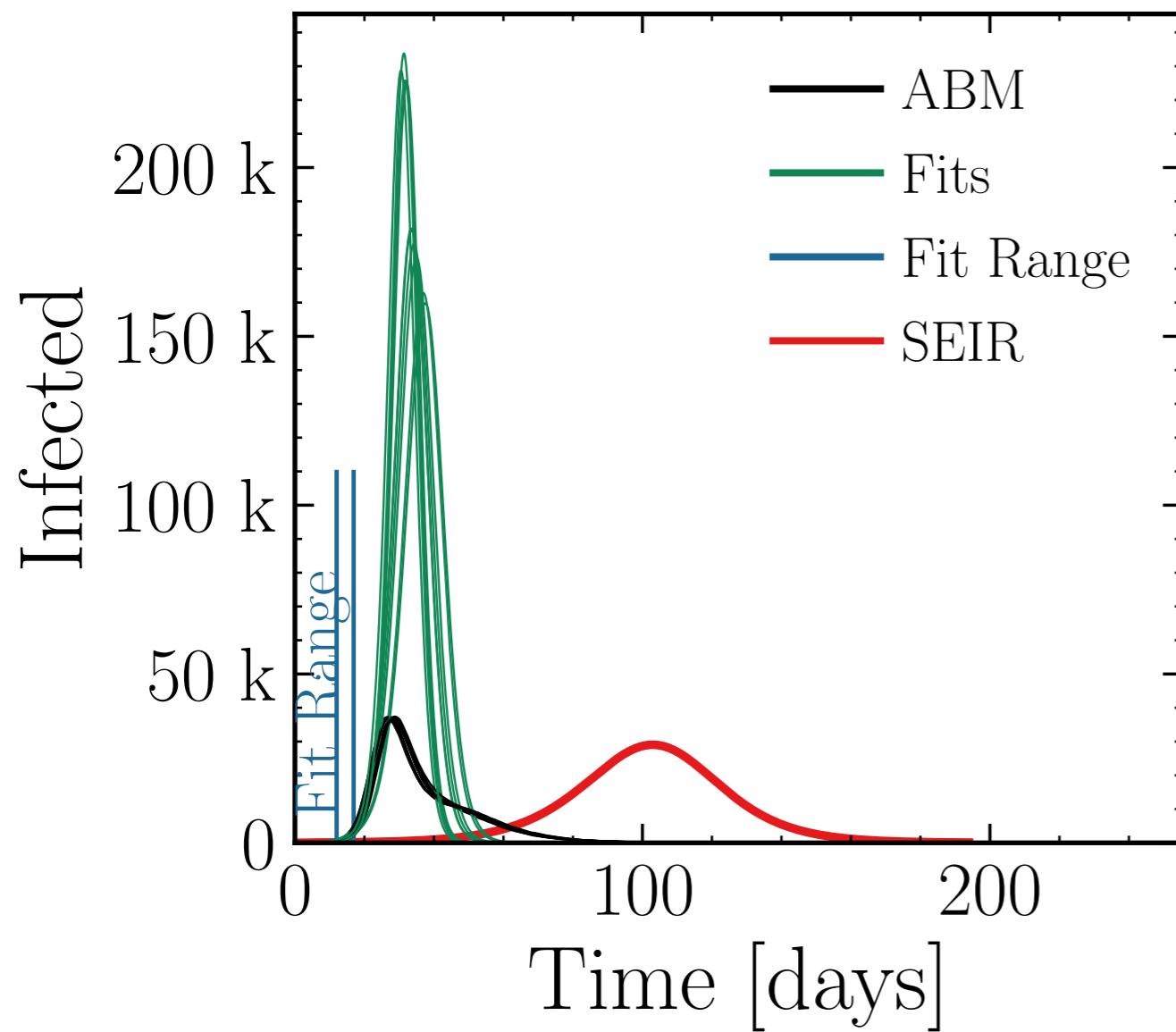
$N_{\text{events}} = 0$ , event<sub>size<sub>max</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{max}}^{\text{fit}} = (195 \pm 4.6\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 5.2 \pm 0.24$$

$$\text{v.} = 1.0, \text{hash} = 5\text{ed}3238193, R_{\infty}^{\text{fit}} = (577.7 \pm 0.12\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 2.926 \pm 0.0041$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.2$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 1.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , 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> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

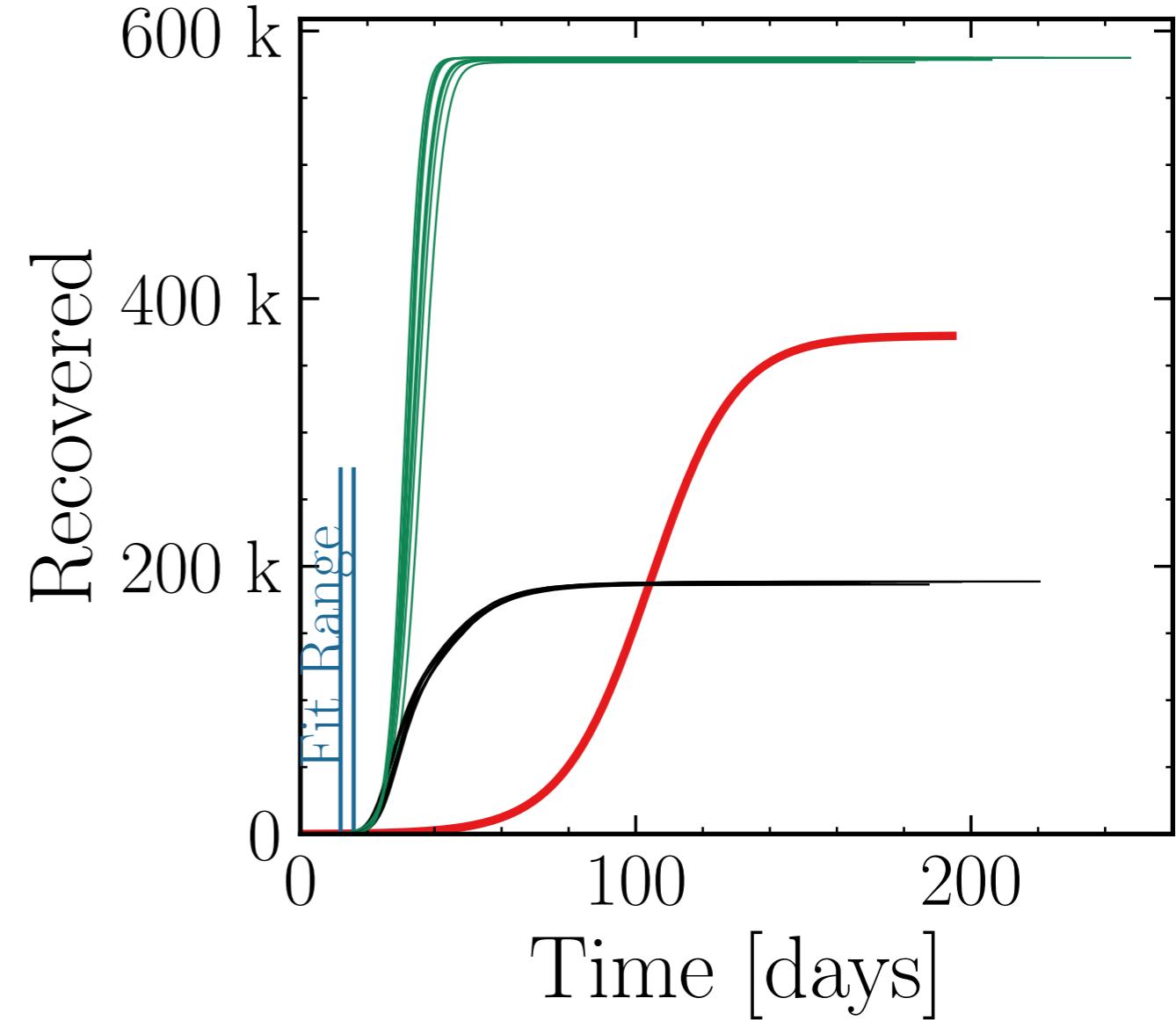
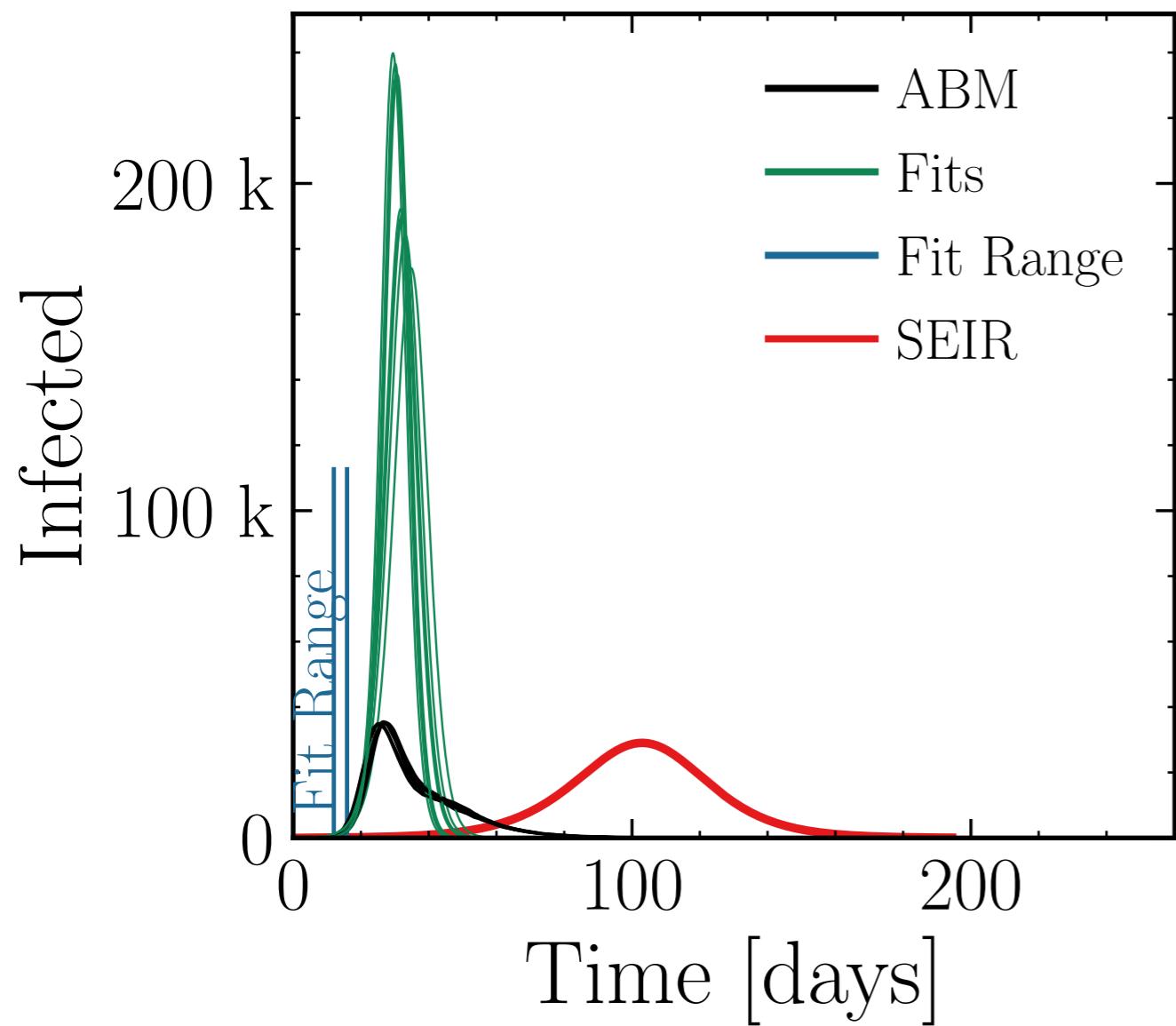
$$I_{\text{max}}^{\text{fit}} = (210 \pm 3.7\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 6 \pm 0.22$$

$$\text{v.} = 1.0, \text{hash} = 7048d9a080, \#10$$

$$R_{\infty}^{\text{fit}} = (579 \pm 0.06\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 3.084 \pm 0.0032$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.25$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 1.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , 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> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

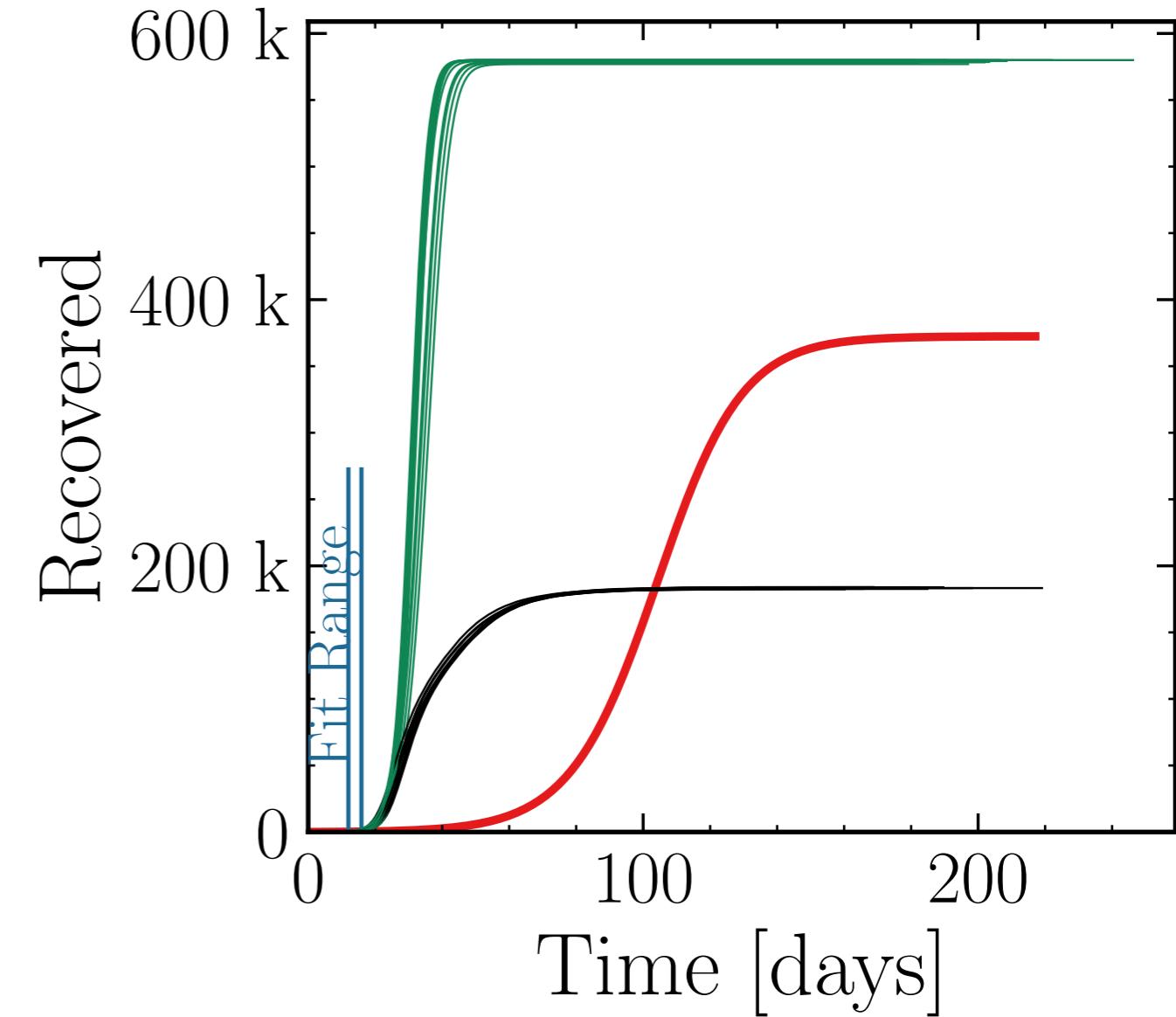
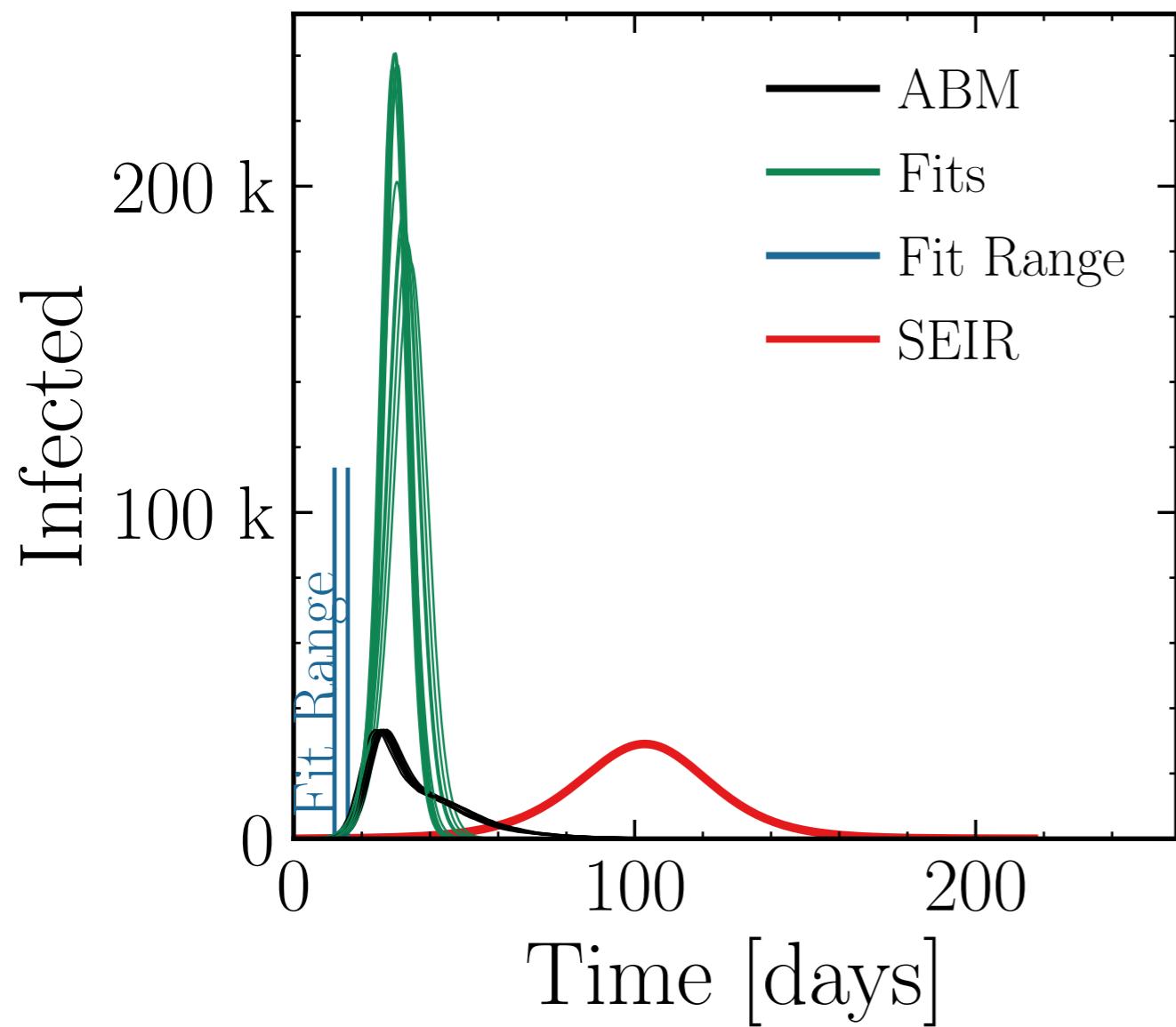
$$I_{\text{max}}^{\text{fit}} = (213 \pm 3.8\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 6.4 \pm 0.25$$

$$\text{v.} = 1.0, \text{hash} = 525054918a, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (579.1 \pm 0.057\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 3.16 \pm 0.0027$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.3$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 1.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , 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> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

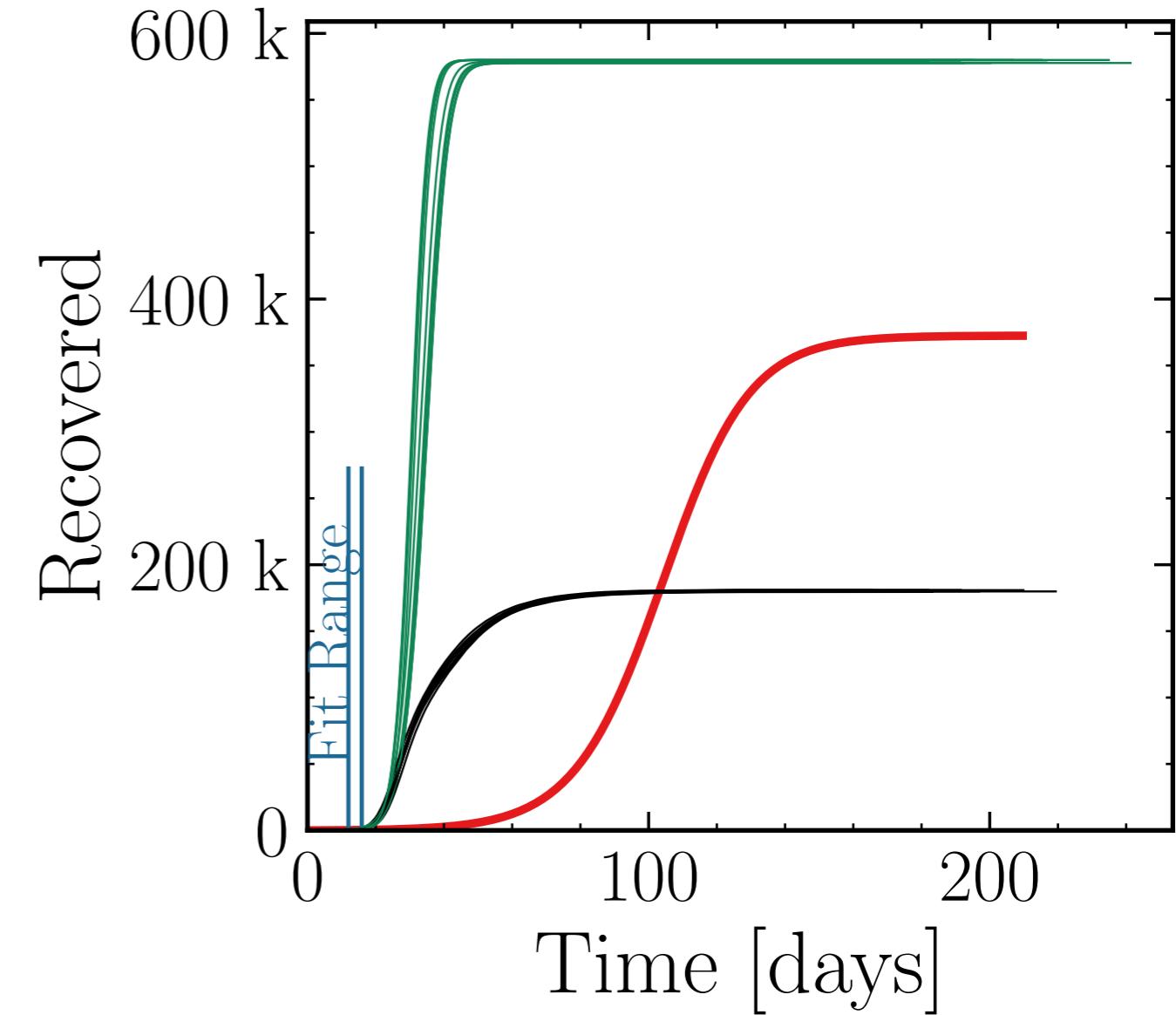
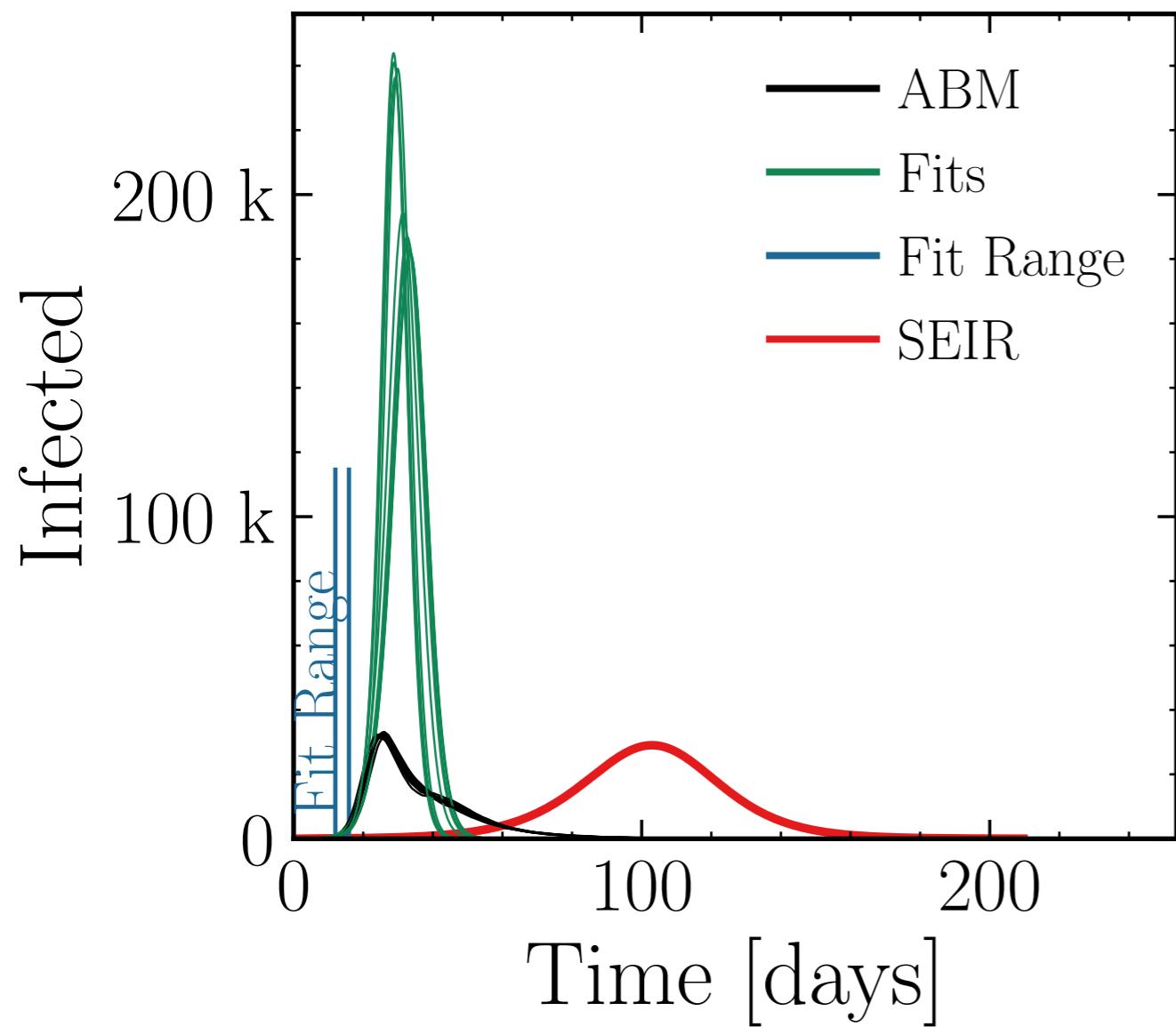
$$I_{\text{max}}^{\text{fit}} = (207 \pm 4.1\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 6.4 \pm 0.26$$

$$\text{v.} = 1.0, \text{hash} = 5da29ee353, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (578.8 \pm 0.055\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 3.209 \pm 0.0035$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.4$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 1.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , 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> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

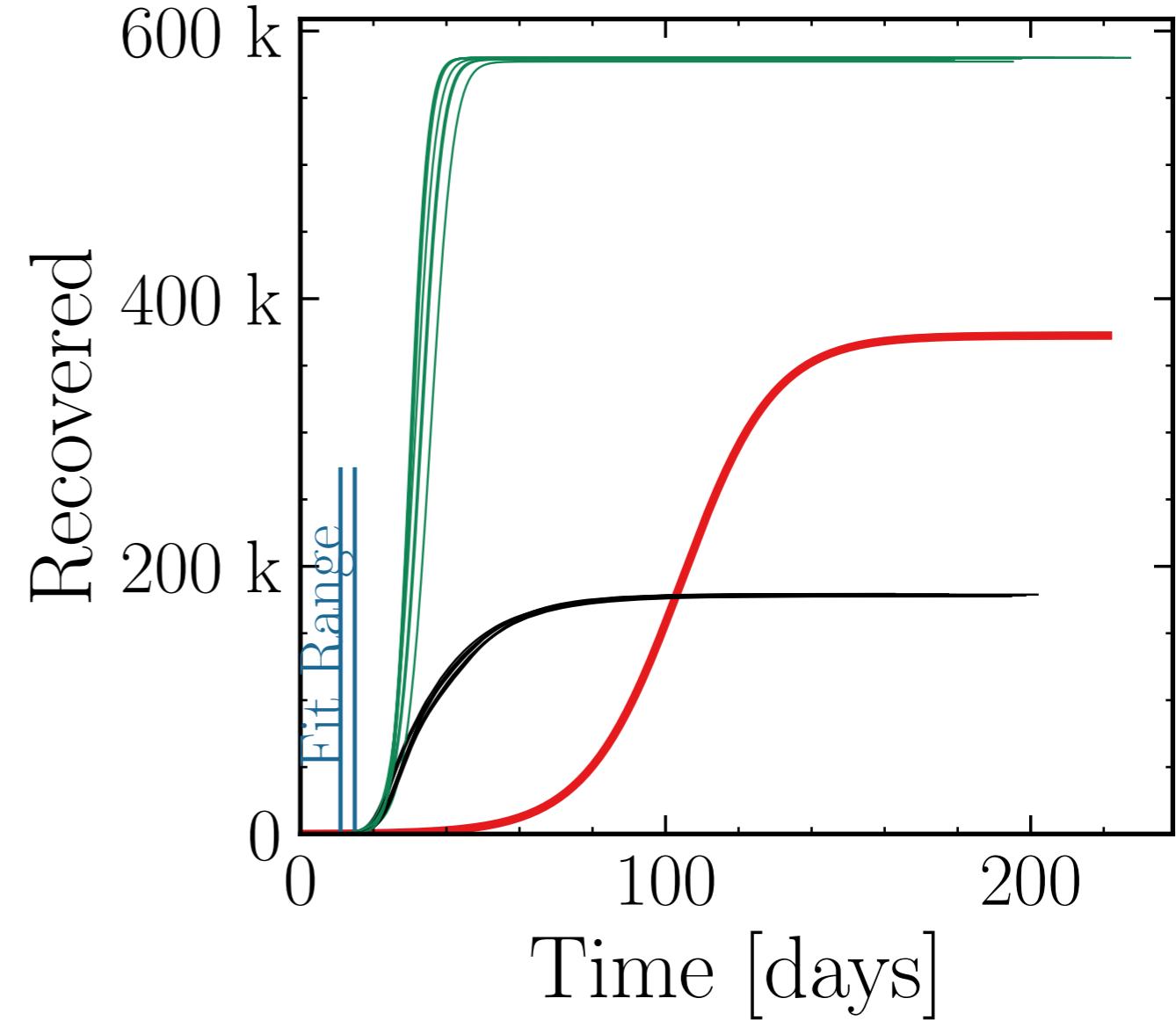
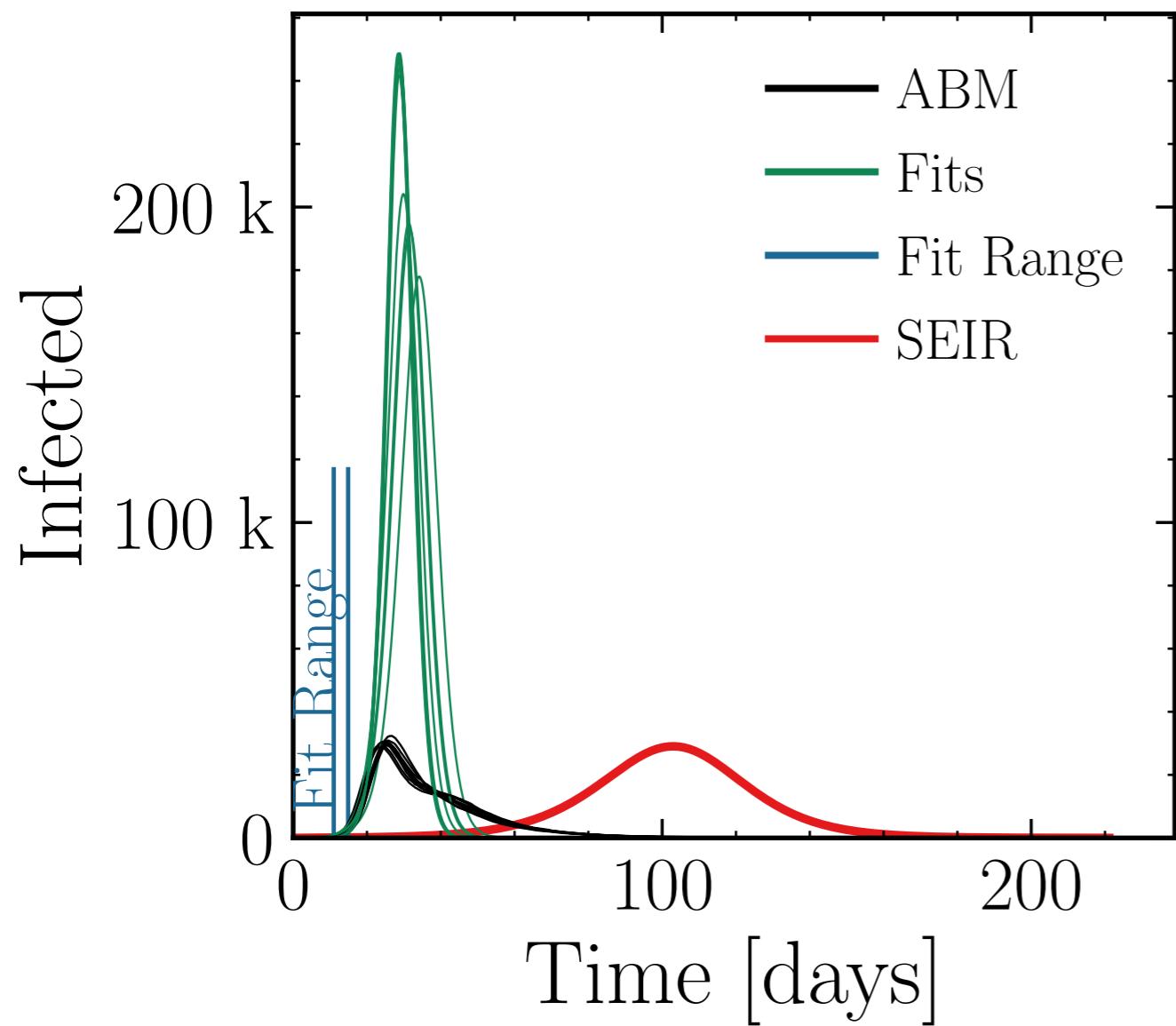
$$I_{\text{max}}^{\text{fit}} = (225 \pm 3.8\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 7.5 \pm 0.27$$

$$\text{v.} = 1.0, \text{hash} = 100943cc7d, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (579.4 \pm 0.048\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 3.246 \pm 0.0044$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.5$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 1.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , 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> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

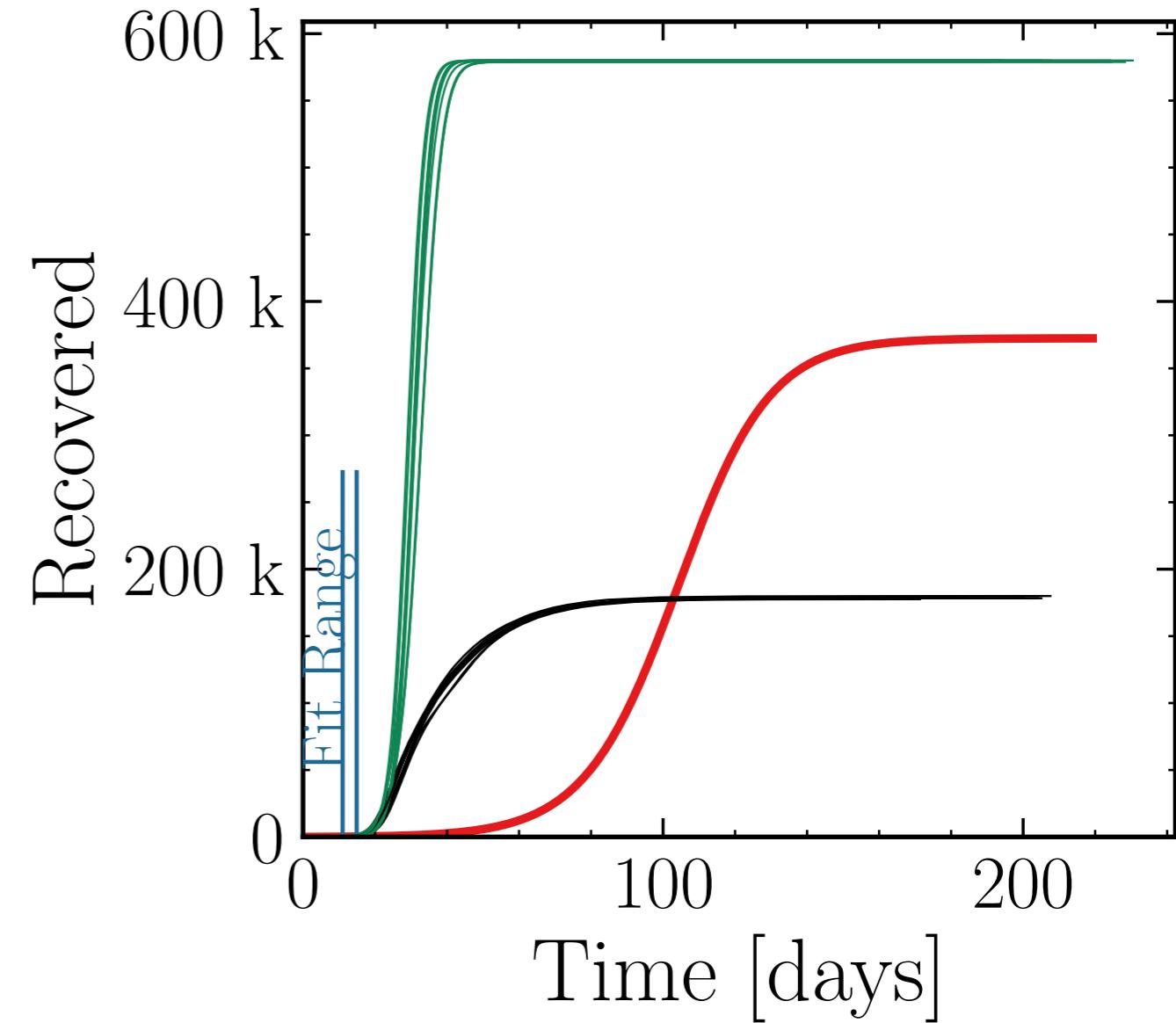
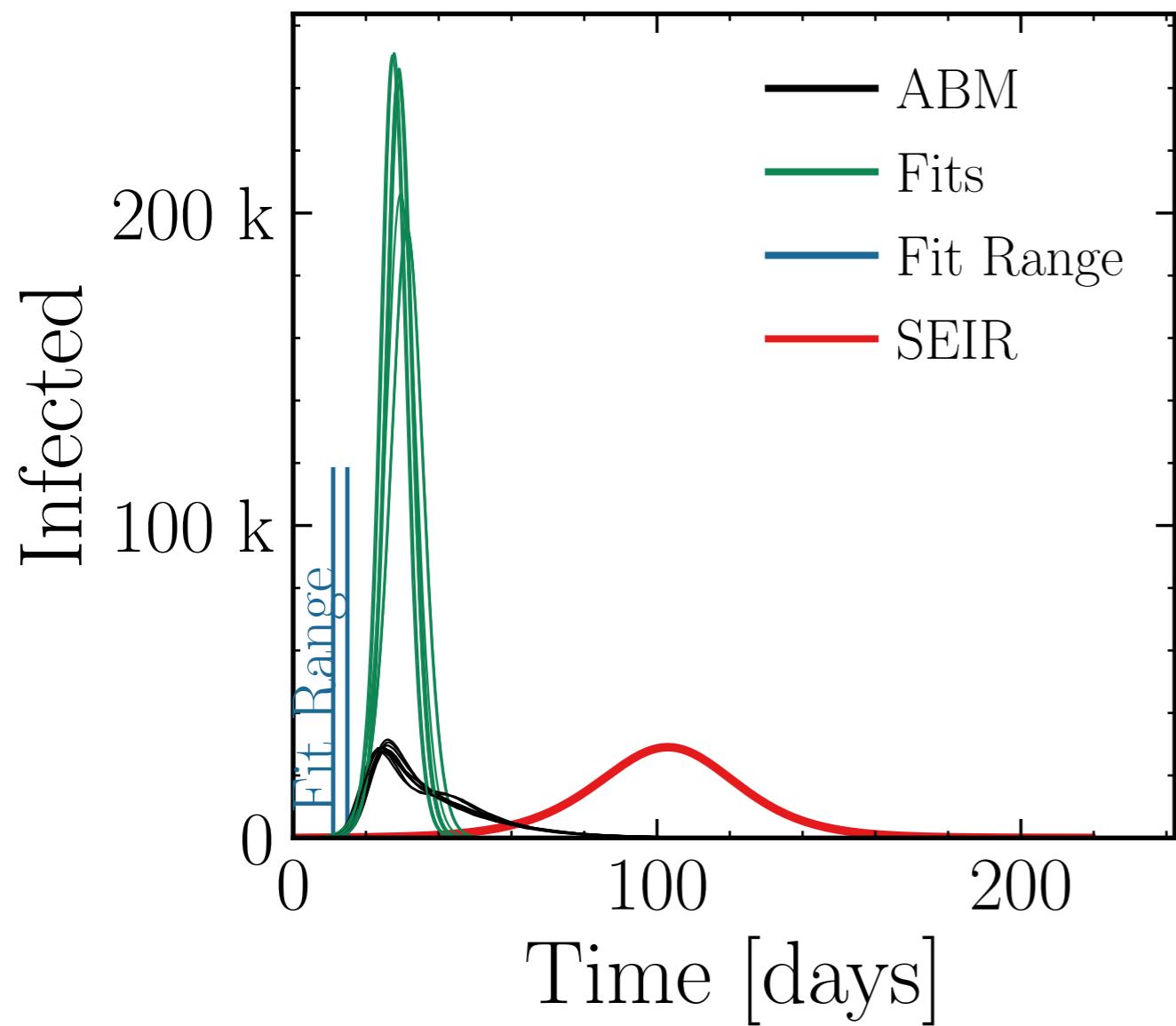
$$I_{\text{max}}^{\text{fit}} = (227 \pm 3.4\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{ABM}}^{\text{ABM}}} = 7.8 \pm 0.26$$

$$\text{v.} = 1.0, \text{hash} = 56a4296238, \#10$$

$$R_{\infty}^{\text{fit}} = (579.6 \pm 0.027\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 3.244 \pm 0.0040$$



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

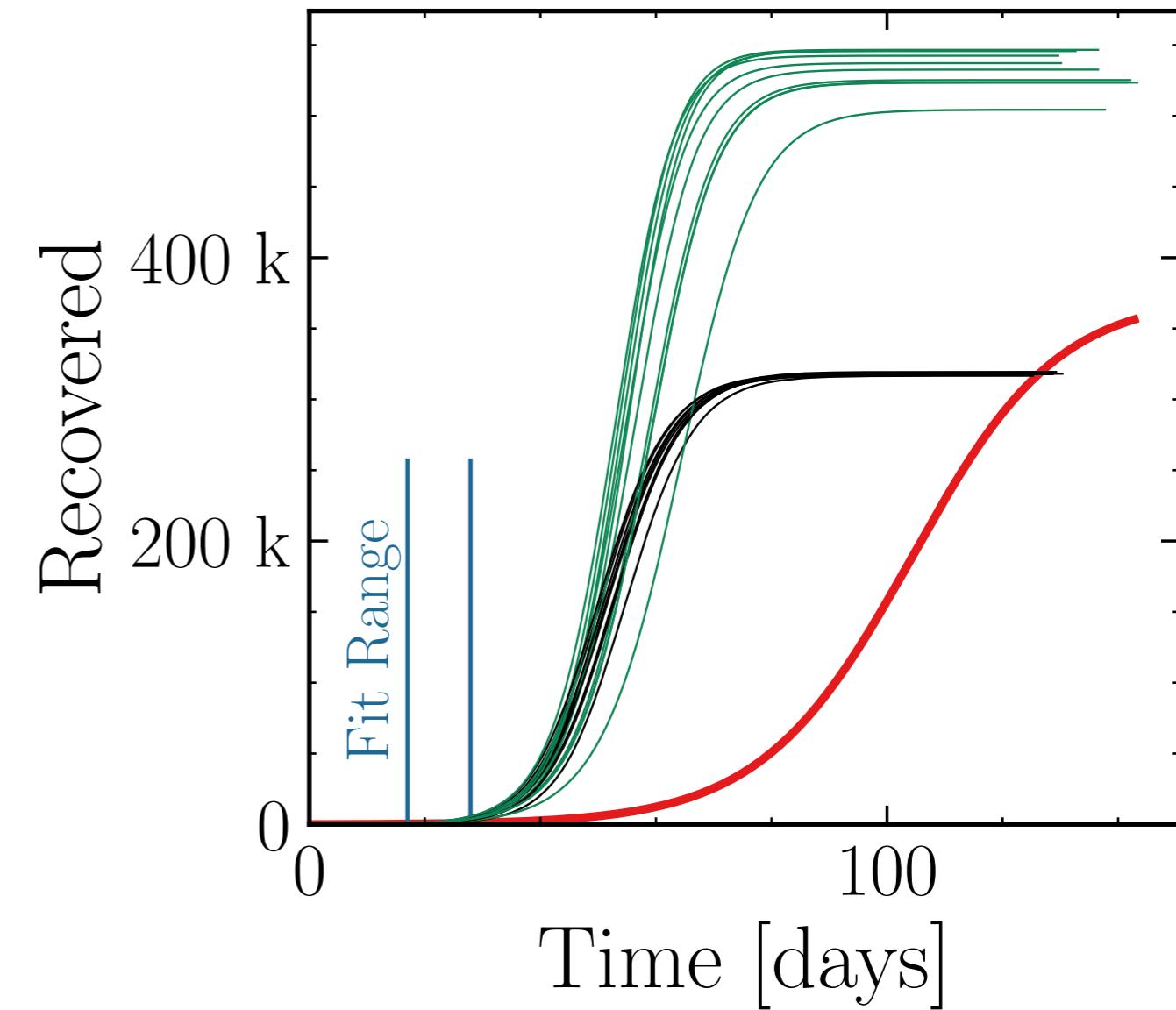
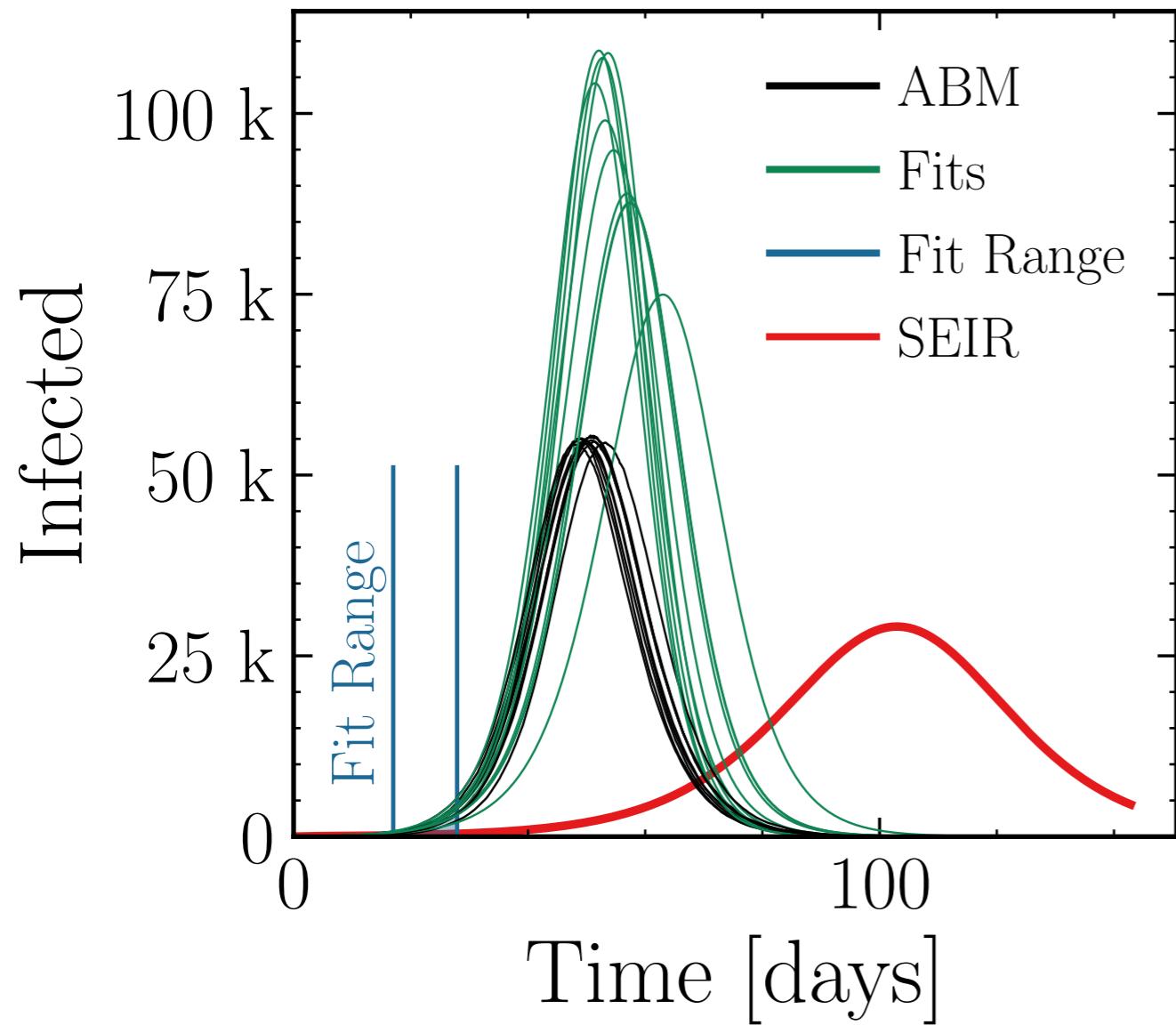
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 0$ , event<sub>size<sub>max</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{max}}^{\text{fit}} = (96 \pm 3.5\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1.76 \pm 0.063 \quad v. = 1.0, \text{hash} = 66cb5b3355\#\#10, (533 \pm 0.77\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.68 \pm 0.013$$



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

$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

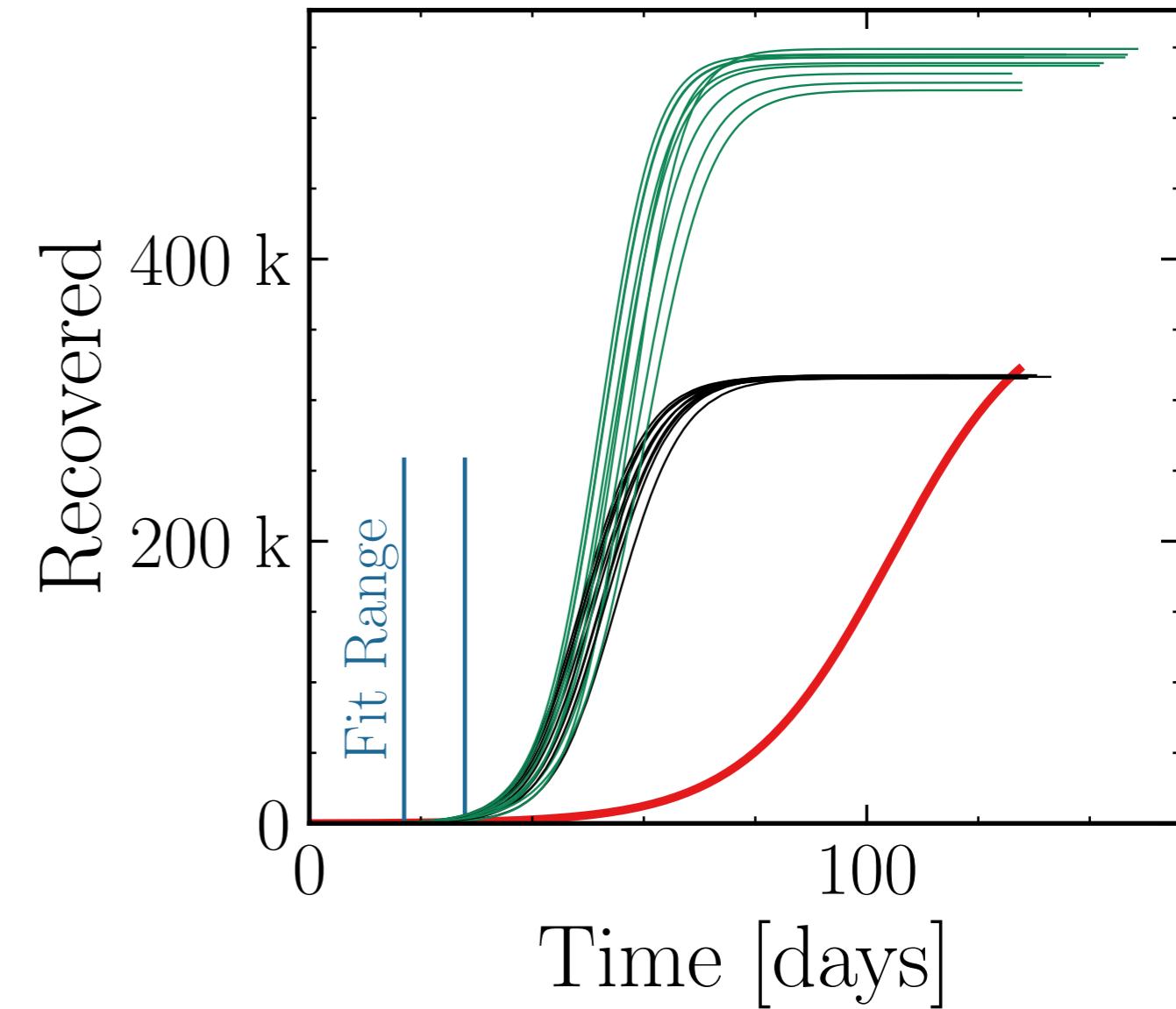
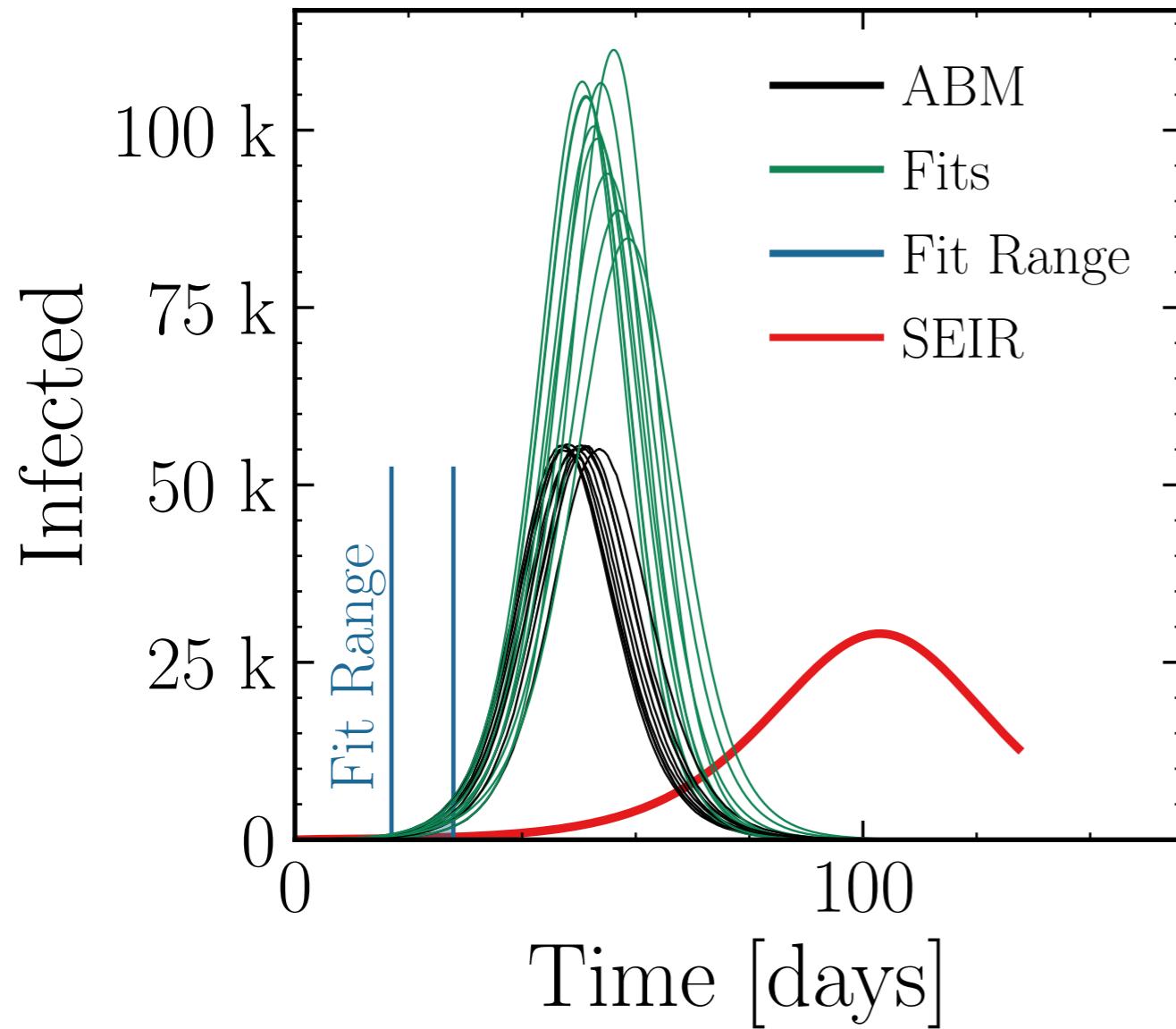
$N_{\text{events}} = 0$ , event<sub>size<sub>max</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{max}}^{\text{fit}} = (100 \pm 2.6\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1.81 \pm 0.047 \quad v. = 1.0, \text{hash} = 4fe59a06dh, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (538 \pm 0.53\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.698 \pm 0.0093$$



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

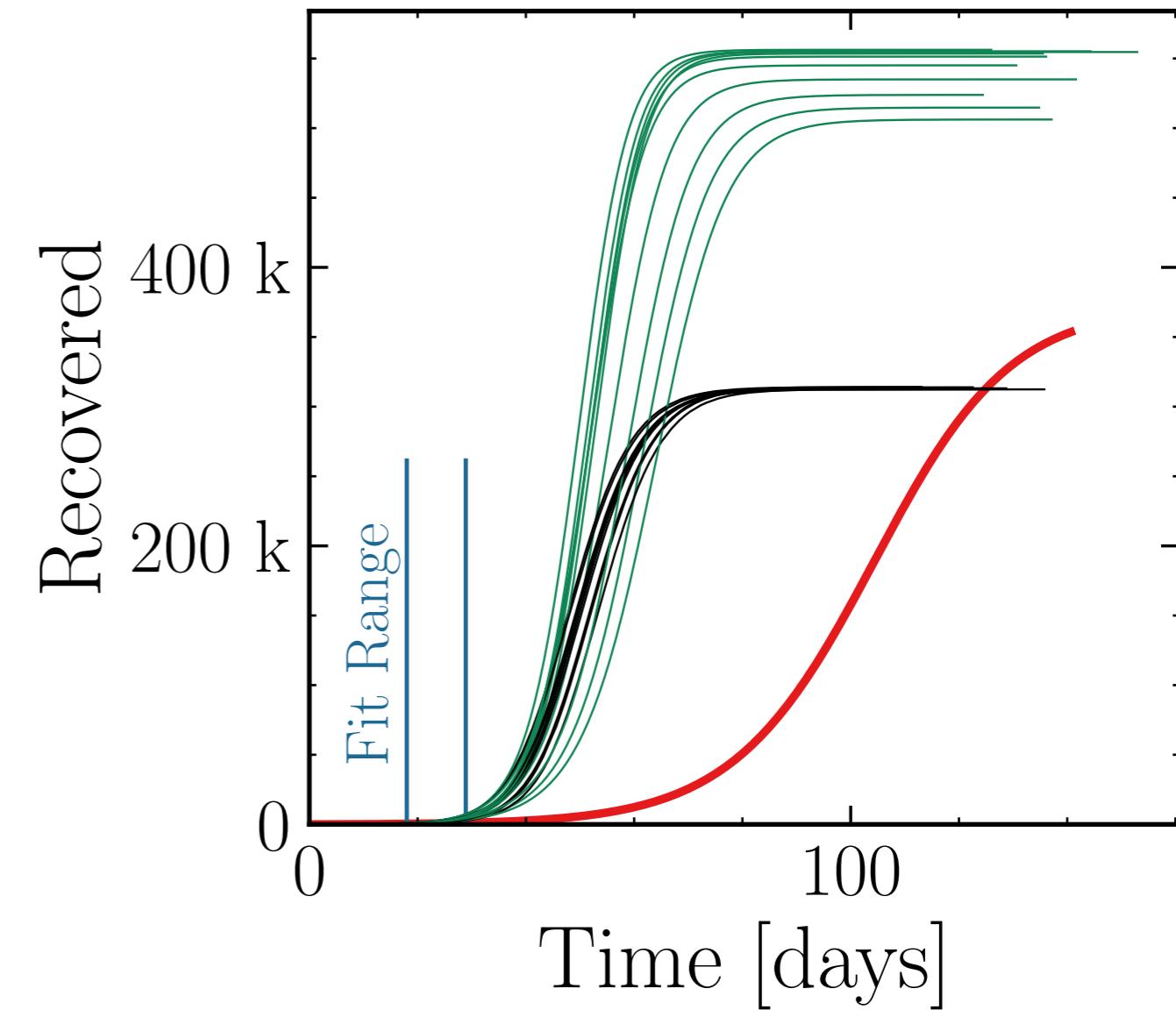
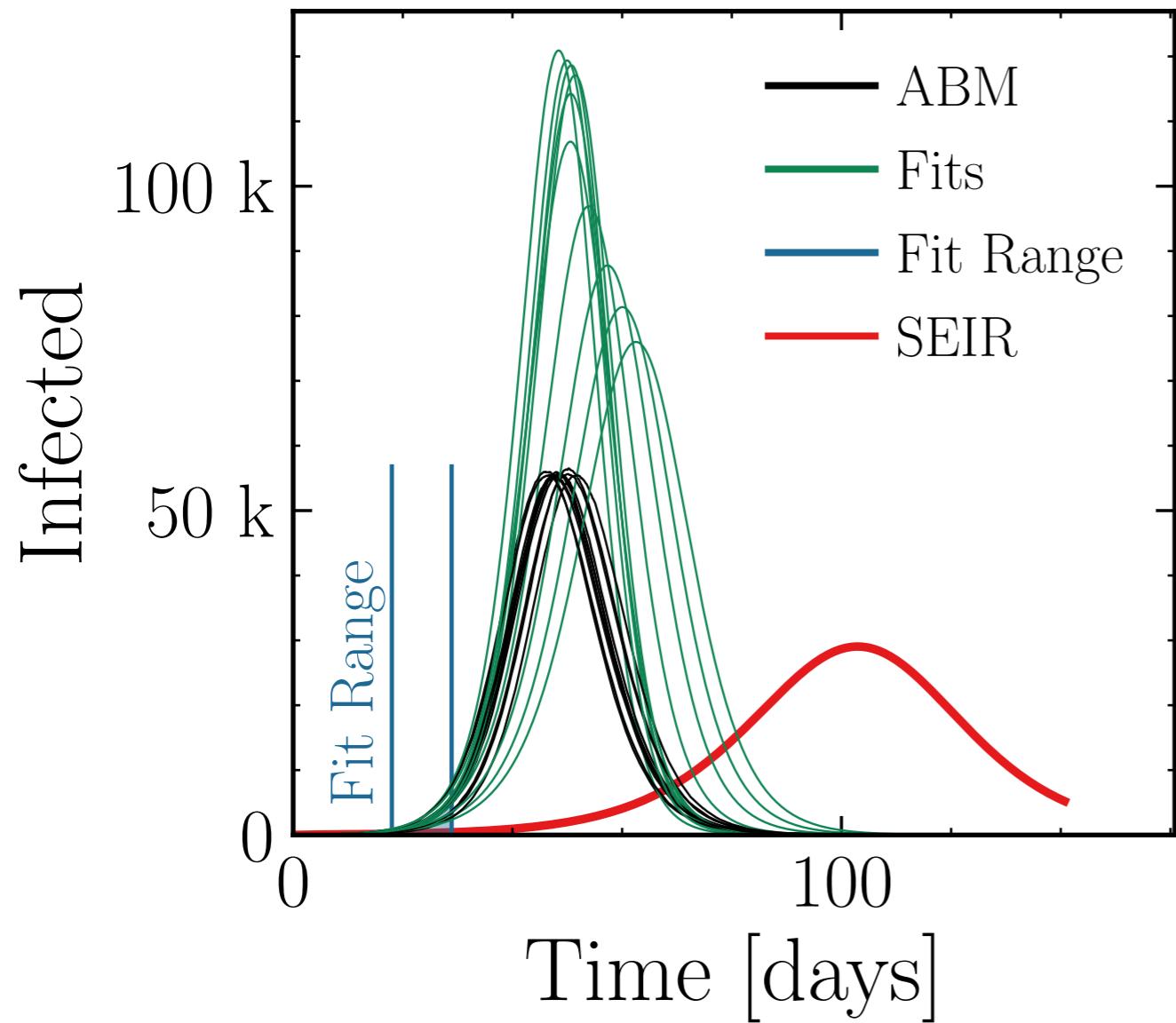
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 0$ , event<sub>size<sub>max</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{max}}^{\text{fit}} = (104 \pm 4.9\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1.87 \pm 0.093 \quad v. = 1.0, \text{hash} = 280\text{cfa1dfc}\#10 \quad R_{\infty}^{\text{fit}} \# (540 \pm 1.0\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.72 \pm 0.018$$



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

$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

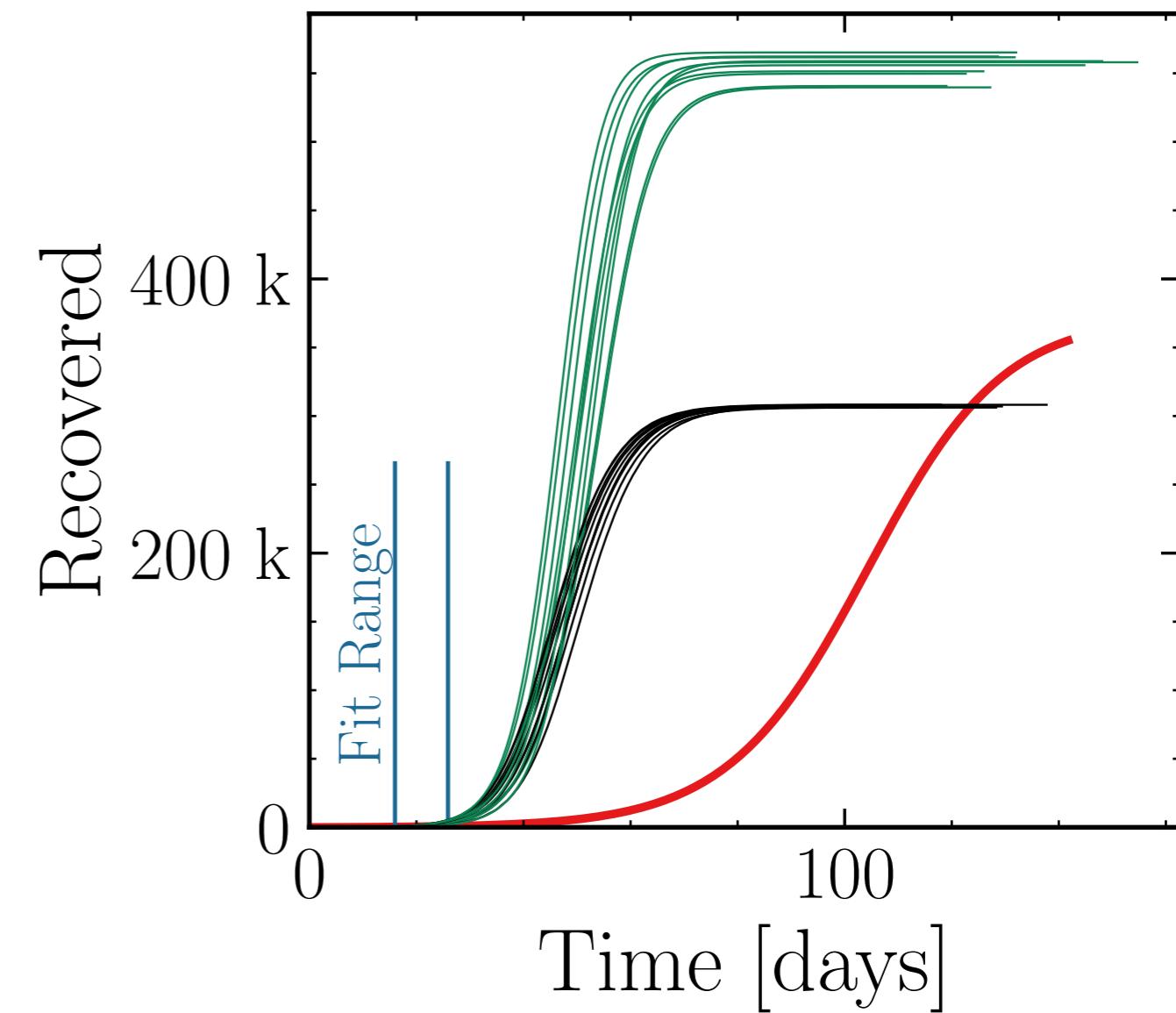
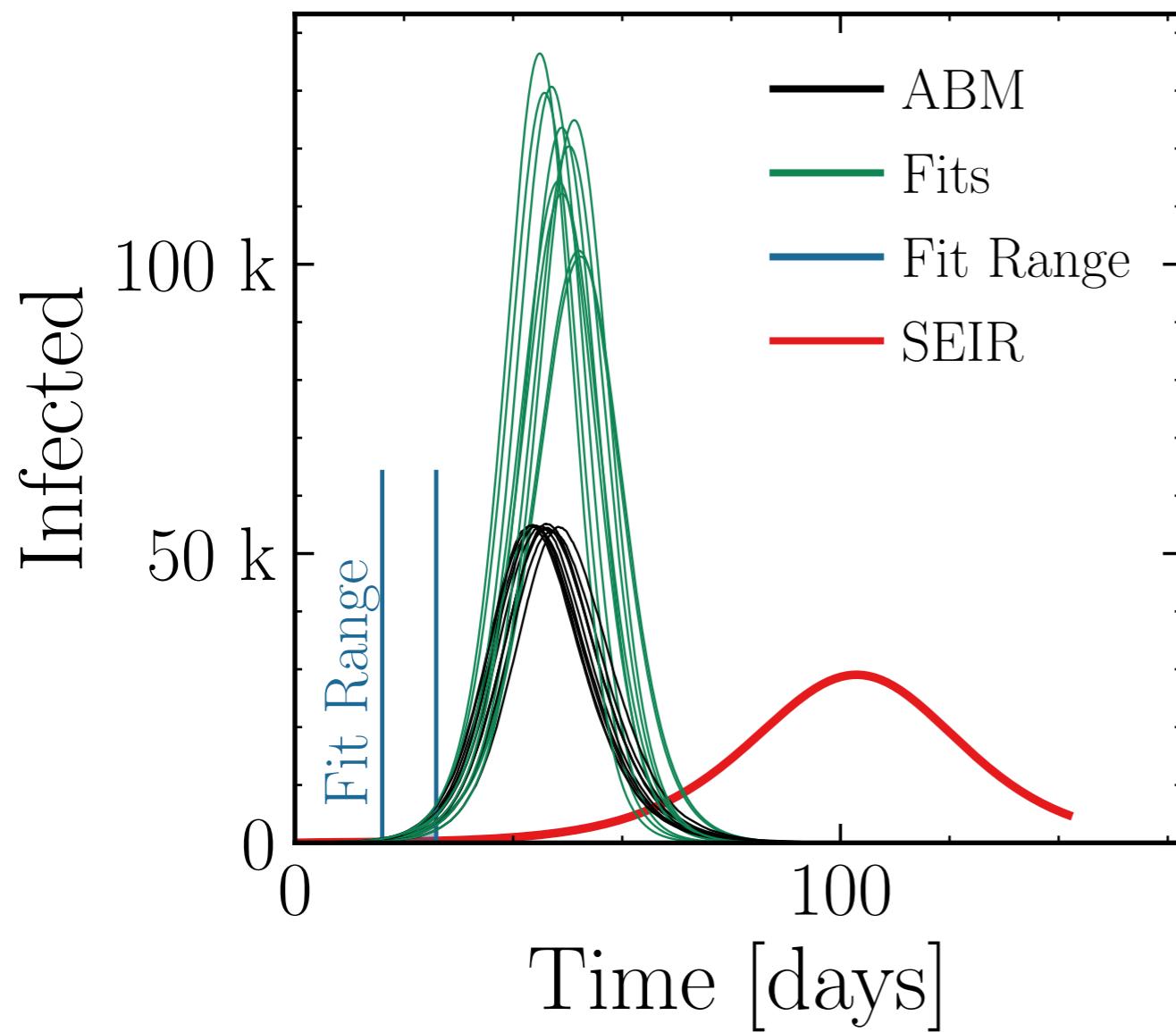
$N_{\text{events}} = 0$ , event<sub>size<sub>max</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{max}}^{\text{fit}} = (120 \pm 3.0\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 2.19 \pm 0.063 \quad v. = 1.0, \text{hash} = 9000340832, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (554 \pm 0.48\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.805 \pm 0.0083$$



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

$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

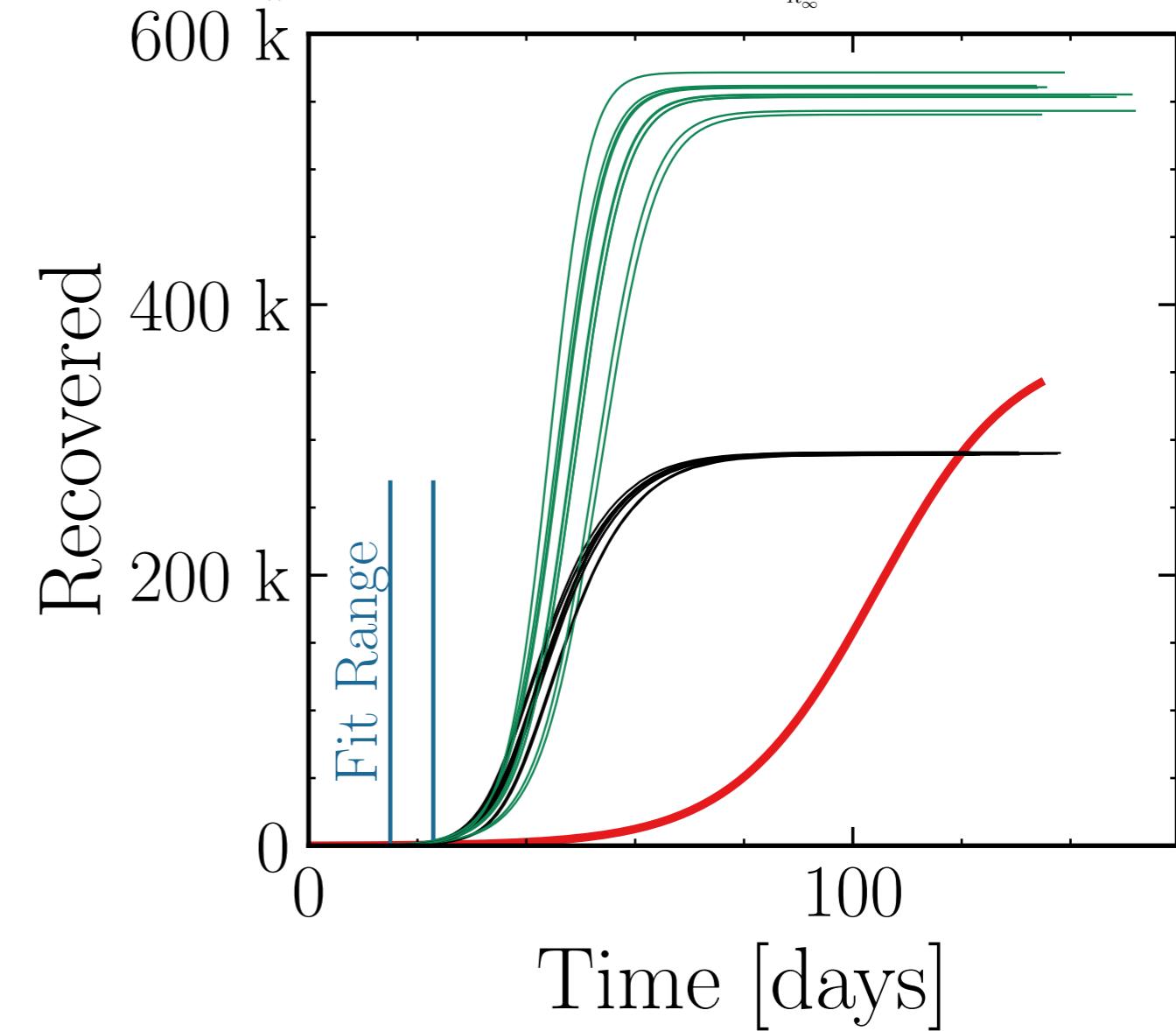
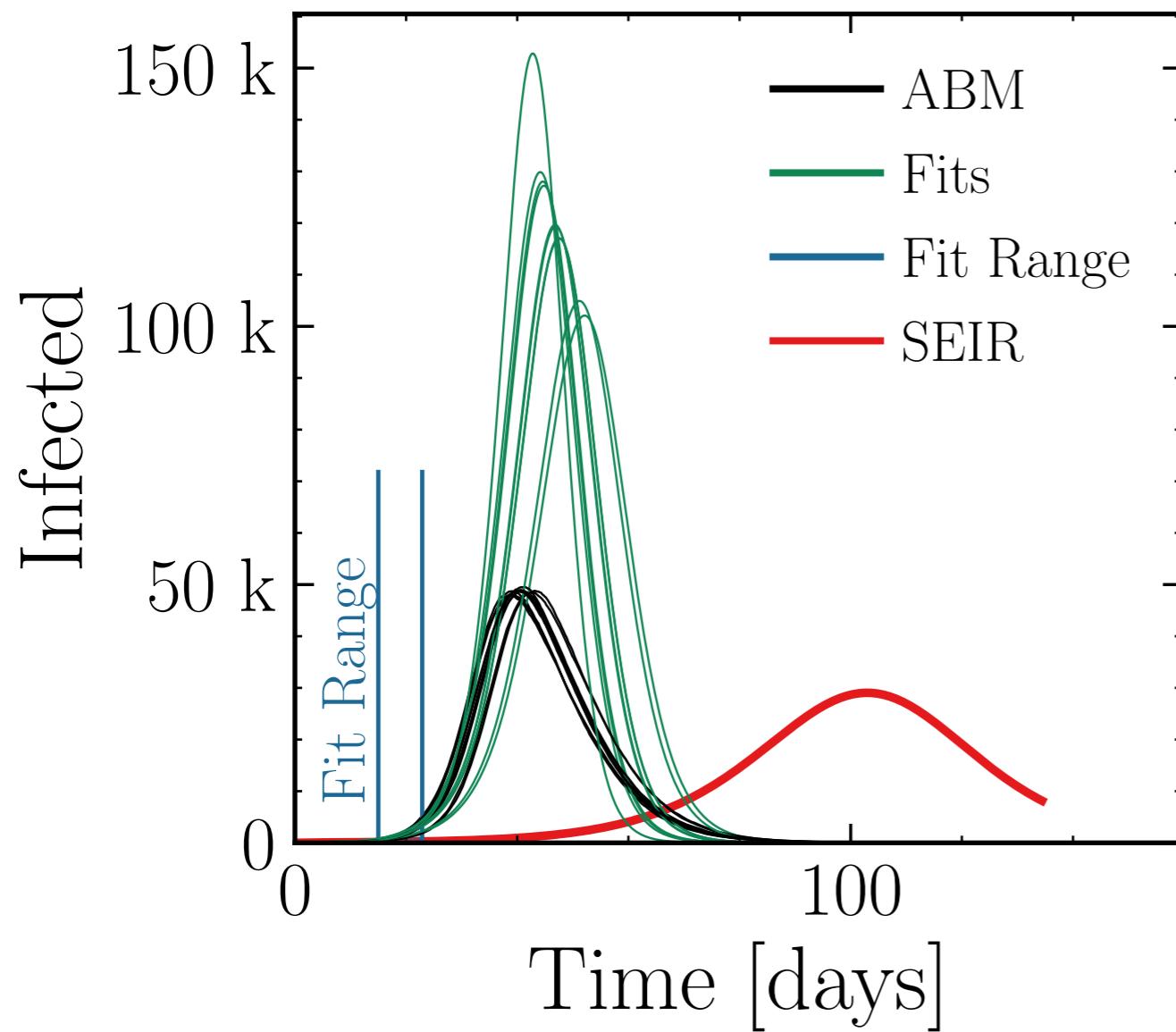
$N_{\text{events}} = 0$ , event<sub>size<sub>max</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{max}}^{\text{fit}} = (122 \pm 3.5\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 2.5 \pm 0.088 \quad v. = 1.0, \text{hash} = 02b10d7291, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (556 \pm 0.49\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.917 \pm 0.0090$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.05$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 1.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 1.0$ , algo = 2,  $N_{\text{init}} = 100$

$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{connect}} = 0$

$N_{\text{events}} = 0$ , event<sub>size<sub>max</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

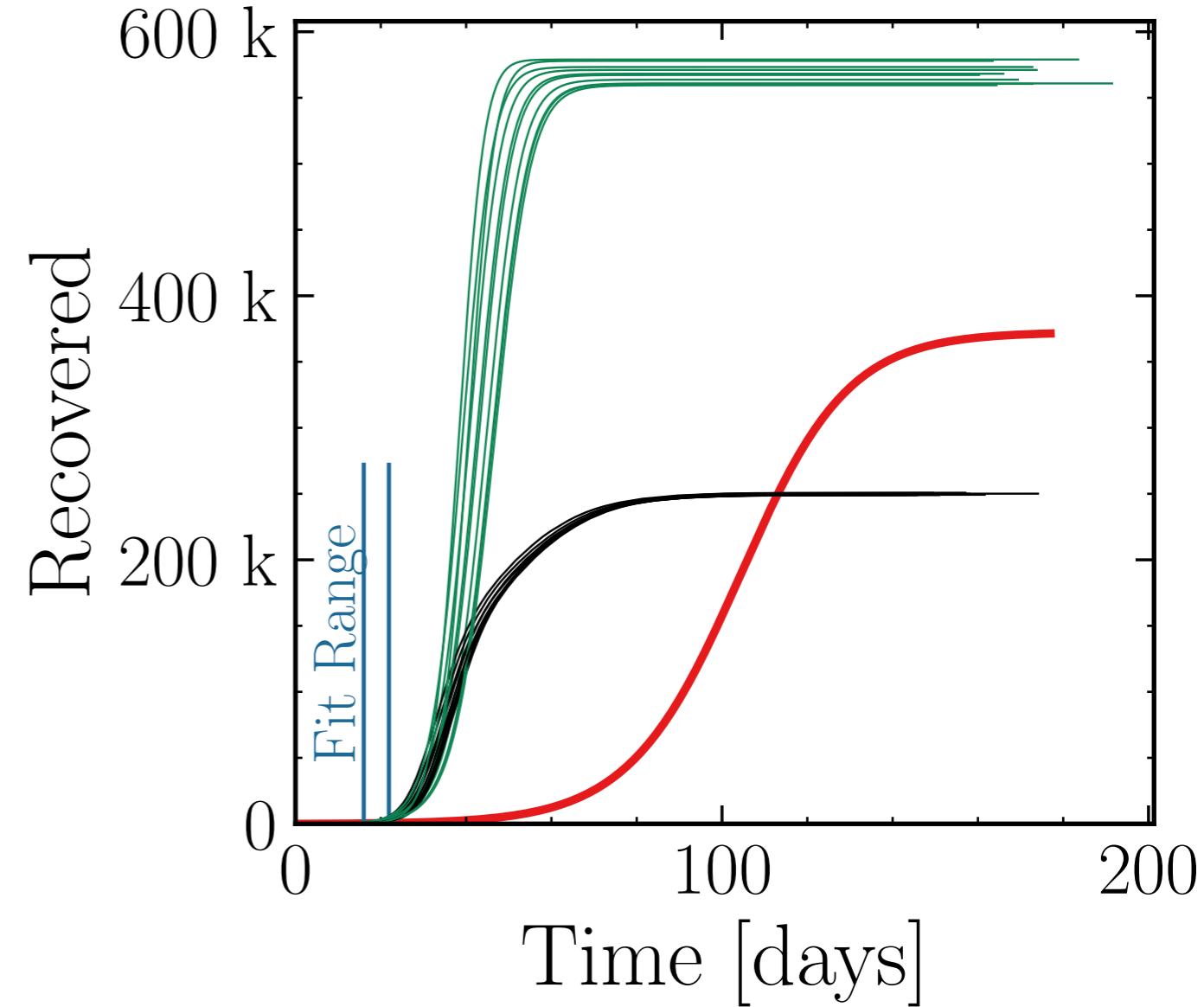
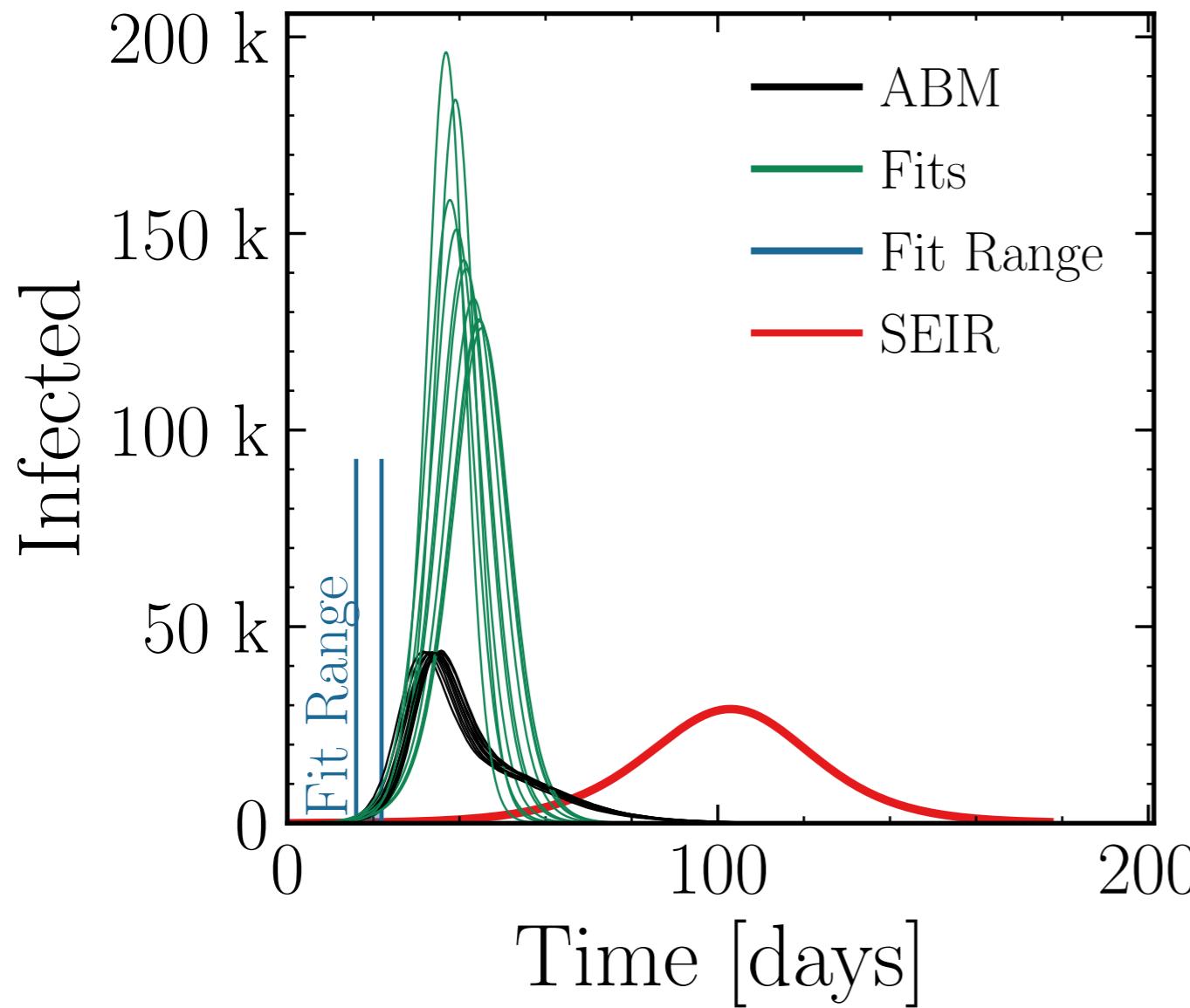
$$I_{\text{max}}^{\text{fit}} = (149 \pm 4.9\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{ABM}}^{\text{fit}}} = 3.4 \pm 0.16$$

$$\text{v.} = 1.0, \text{hash} = \text{ded4e51df0}, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (508 \pm 0.38\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 2.274 \pm 0.0096$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.075$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 1.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 1.0$ , 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> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

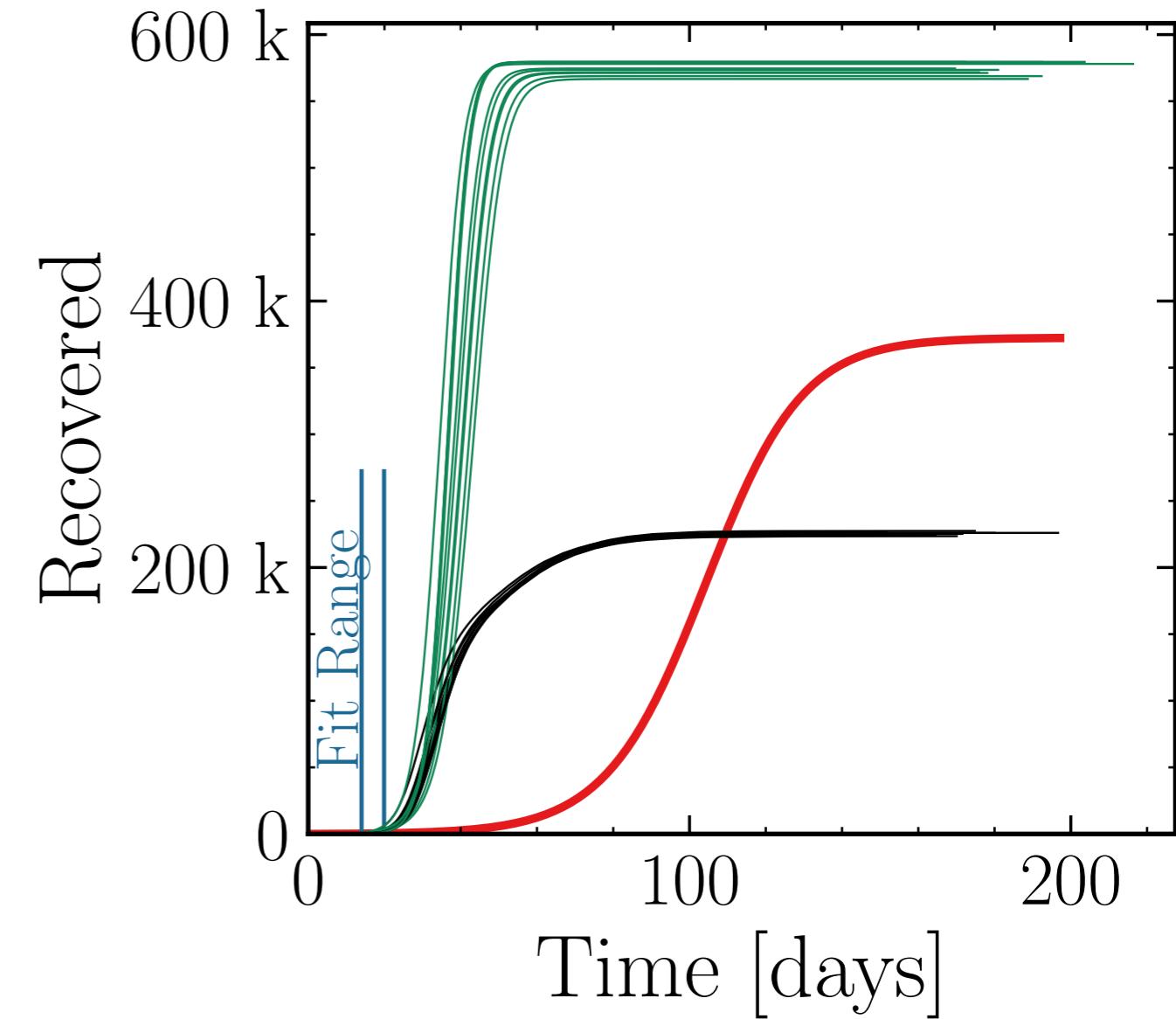
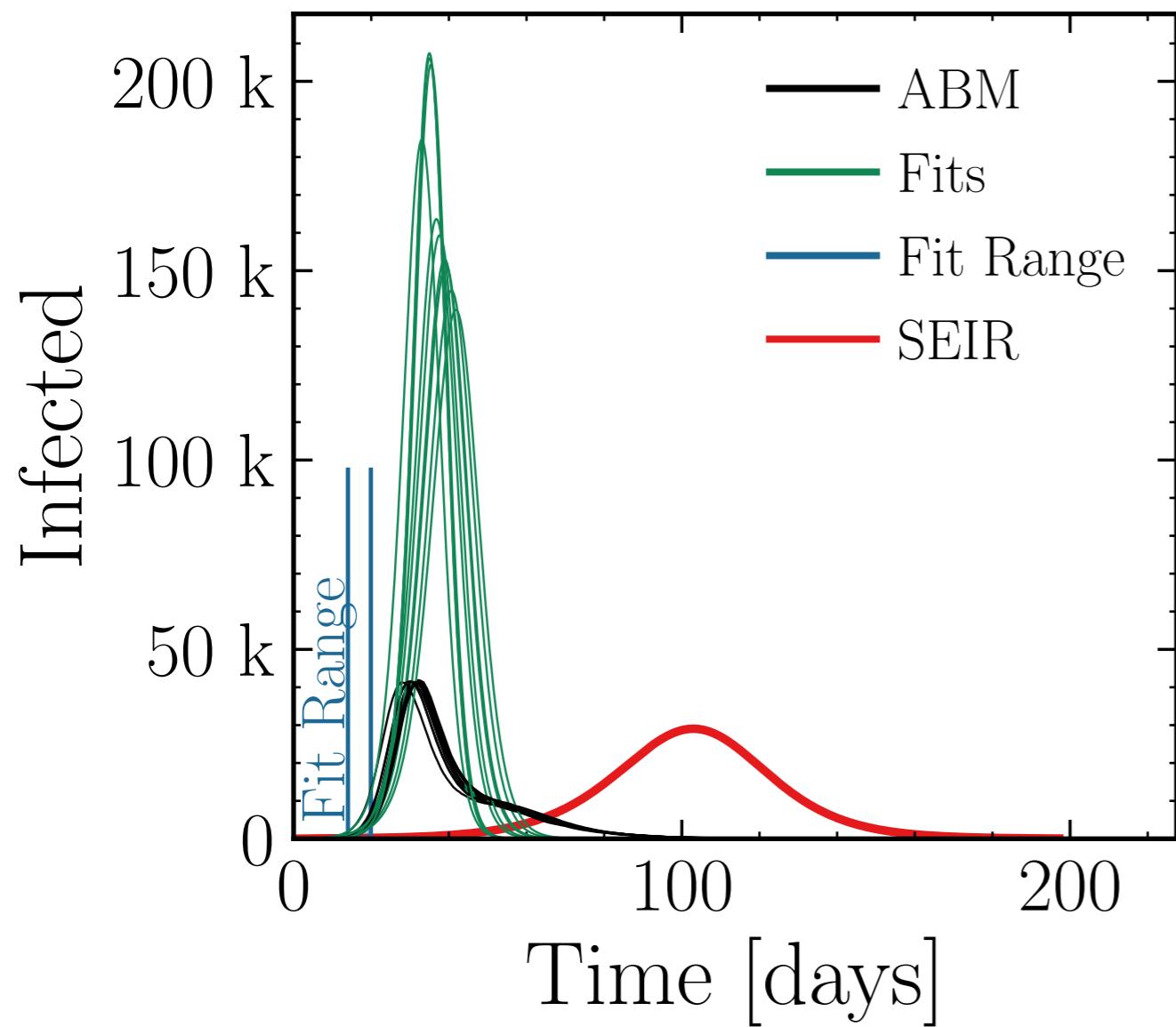
$$I_{\text{max}}^{\text{fit}} = (171 \pm 4.7\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 4.1 \pm 0.20$$

$$\text{v.} = 1.0, \text{hash} = 1\text{ca}05\text{d}43\text{fe}, \#10$$

$$R_{\infty}^{\text{fit}} = (574 \pm 0.25\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 2.548 \pm 0.0078$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 1.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 1.0$ , algo = 2,  $N_{\text{init}} = 100$

$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{connect}} = 0$

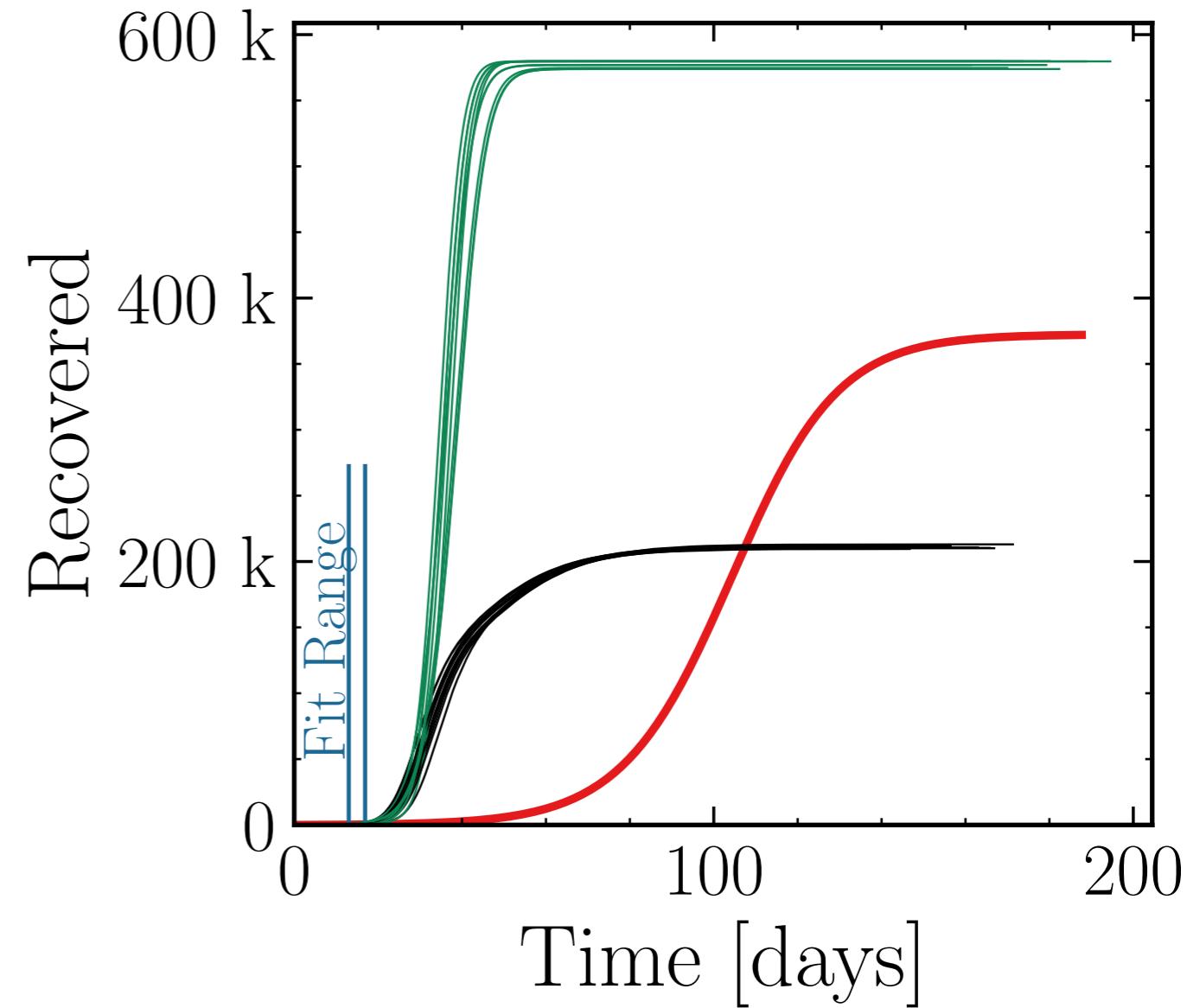
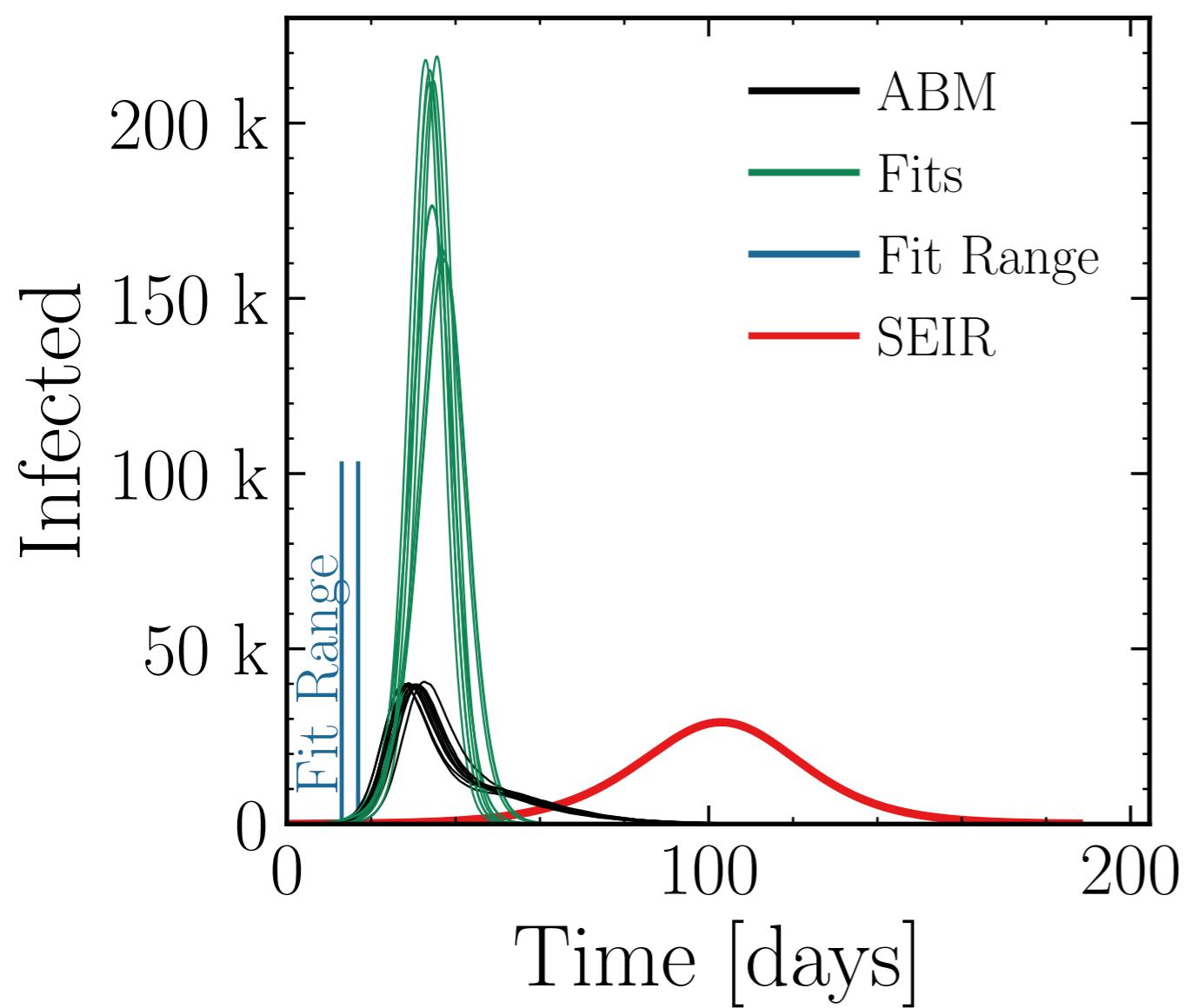
$N_{\text{events}} = 0$ , event<sub>size<sub>max</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{max}}^{\text{fit}} = (191 \pm 4.0\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{ABM}}^{\text{ABM}}} = 4.8 \pm 0.19$$

$$\text{v.} = 1.0, \text{hash} = 40620c7057, R_{\infty}^{\text{fit}} = (577.5 \pm 0.13\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 2.736 \pm 0.0044$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.15$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 1.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 1.0$ , 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> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

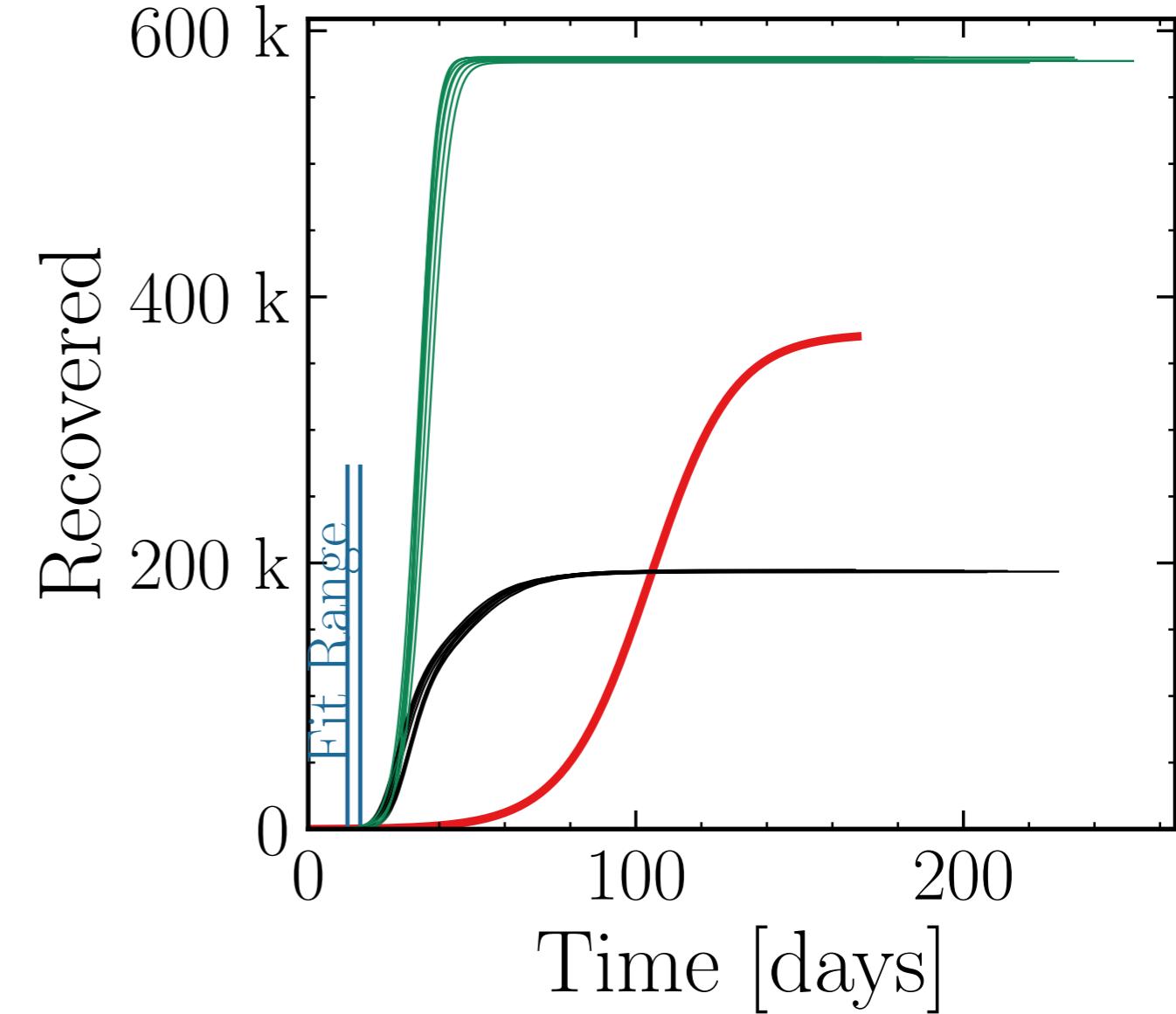
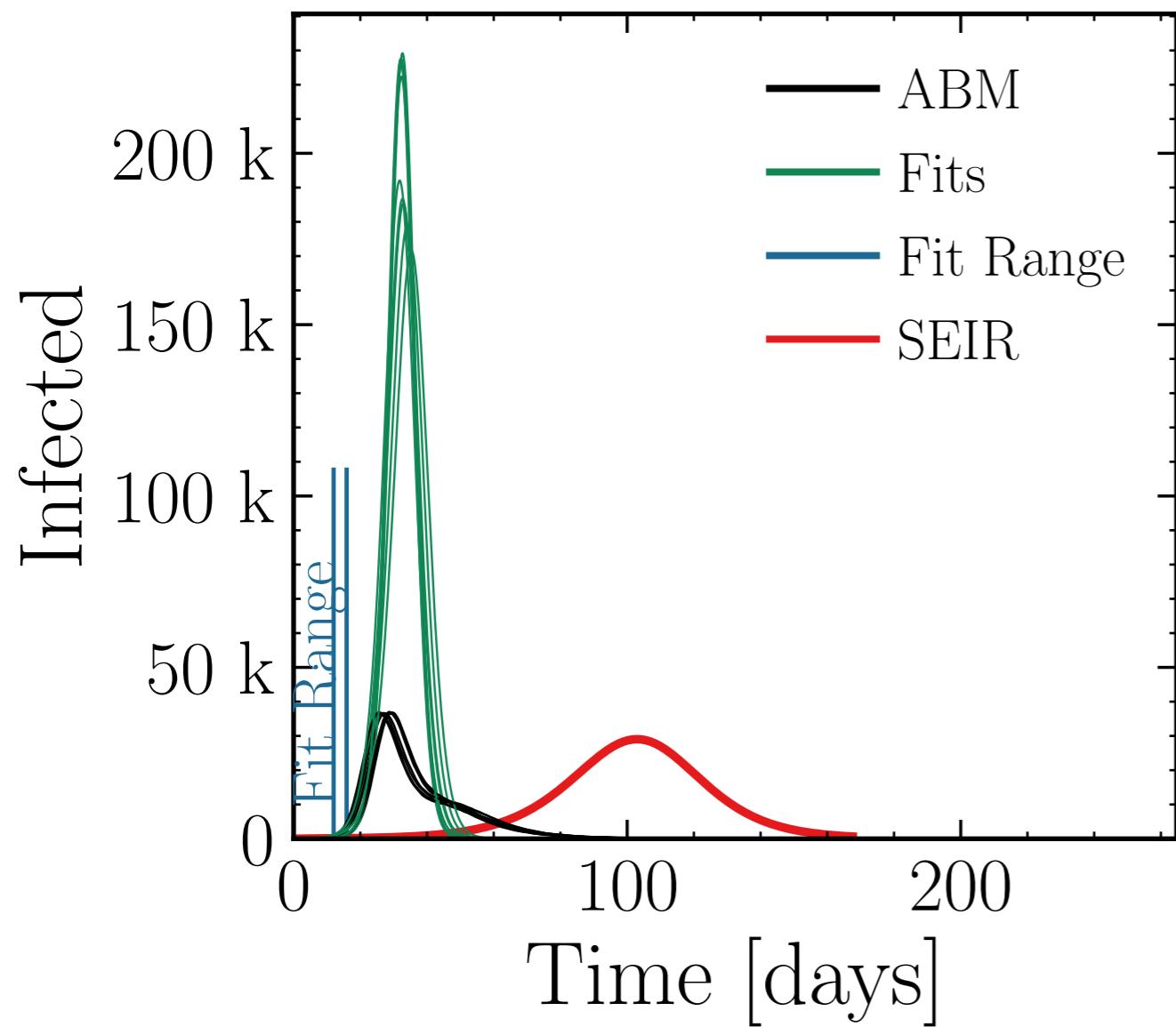
$$I_{\text{max}}^{\text{fit}} = (205 \pm 3.5\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 5.6 \pm 0.19$$

$$\text{v.} = 1.0, \text{hash} = 087\text{beababb}\#10$$

$$R_{\infty}^{\text{fit}} = (578.8 \pm 0.07\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 2.983 \pm 0.0035$$



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

$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

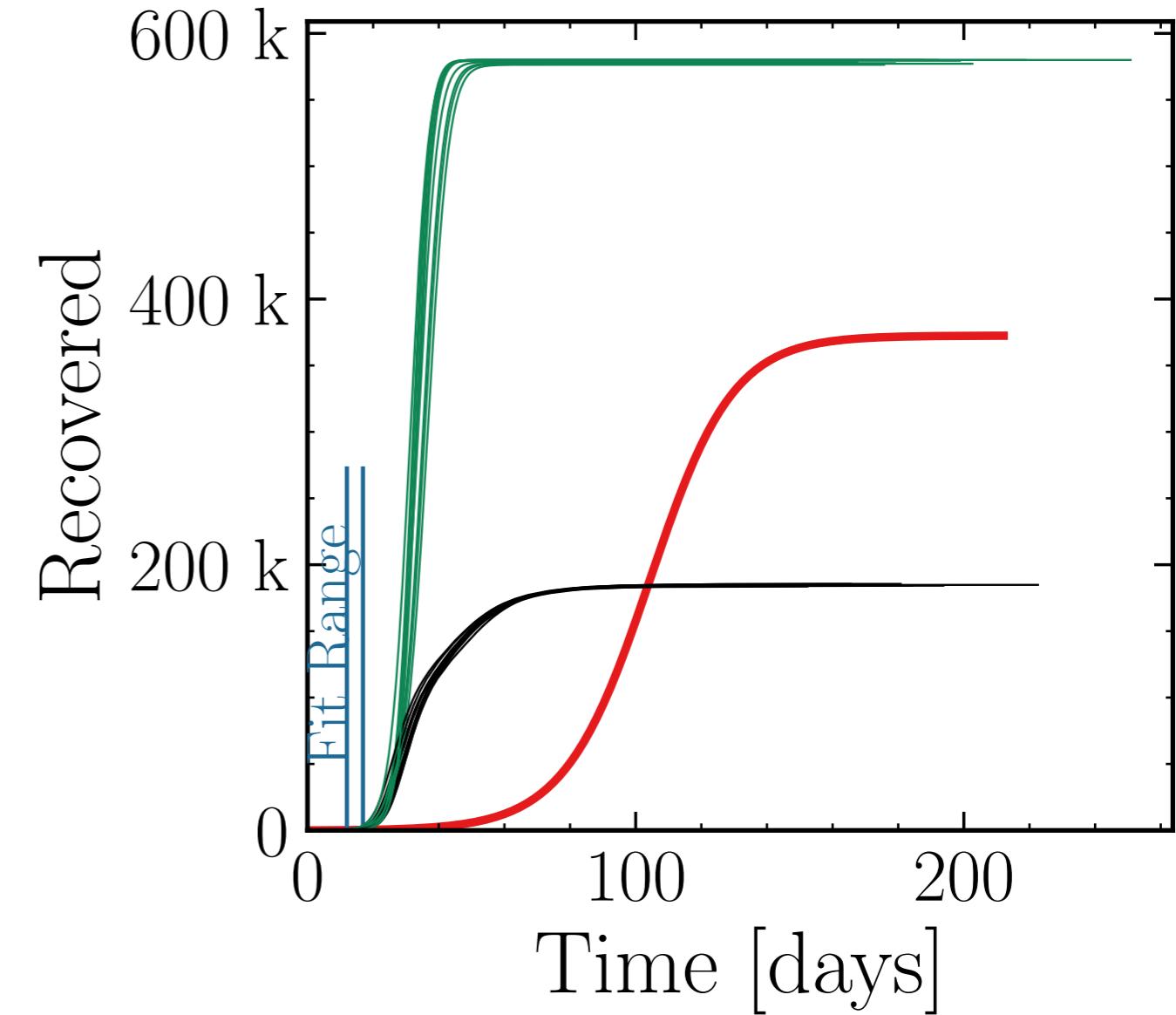
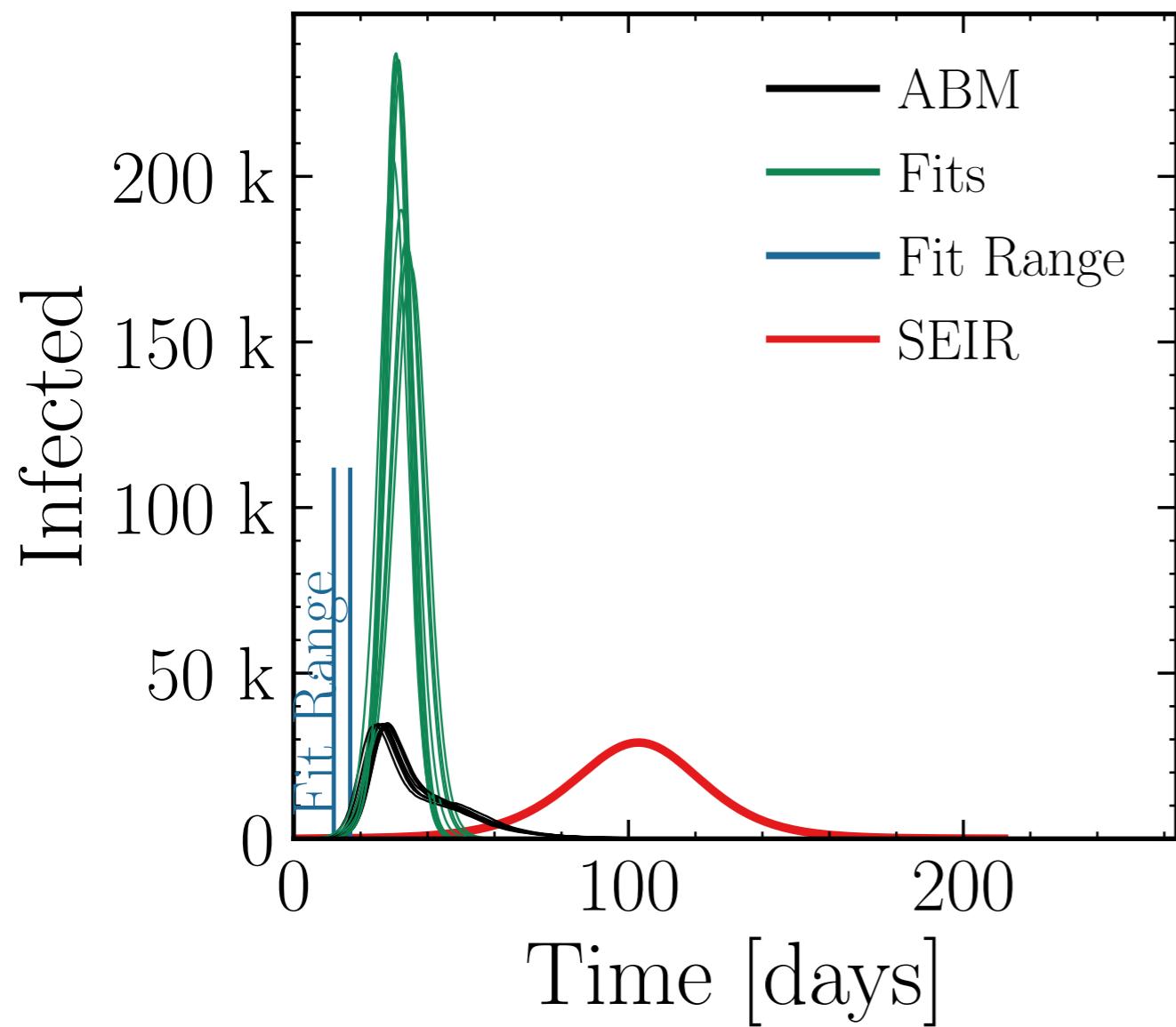
$N_{\text{events}} = 0$ , event<sub>size<sub>max</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{max}}^{\text{fit}} = (210 \pm 3.9\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 6.1 \pm 0.24$$

$$\text{v.} = 1.0, \text{hash} = \text{c6af205b7d}\#10, R_{\infty}^{\text{fit}} = (578.9 \pm 0.072\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 3.134 \pm 0.0030$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.25$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 1.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 1.0$ , 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> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

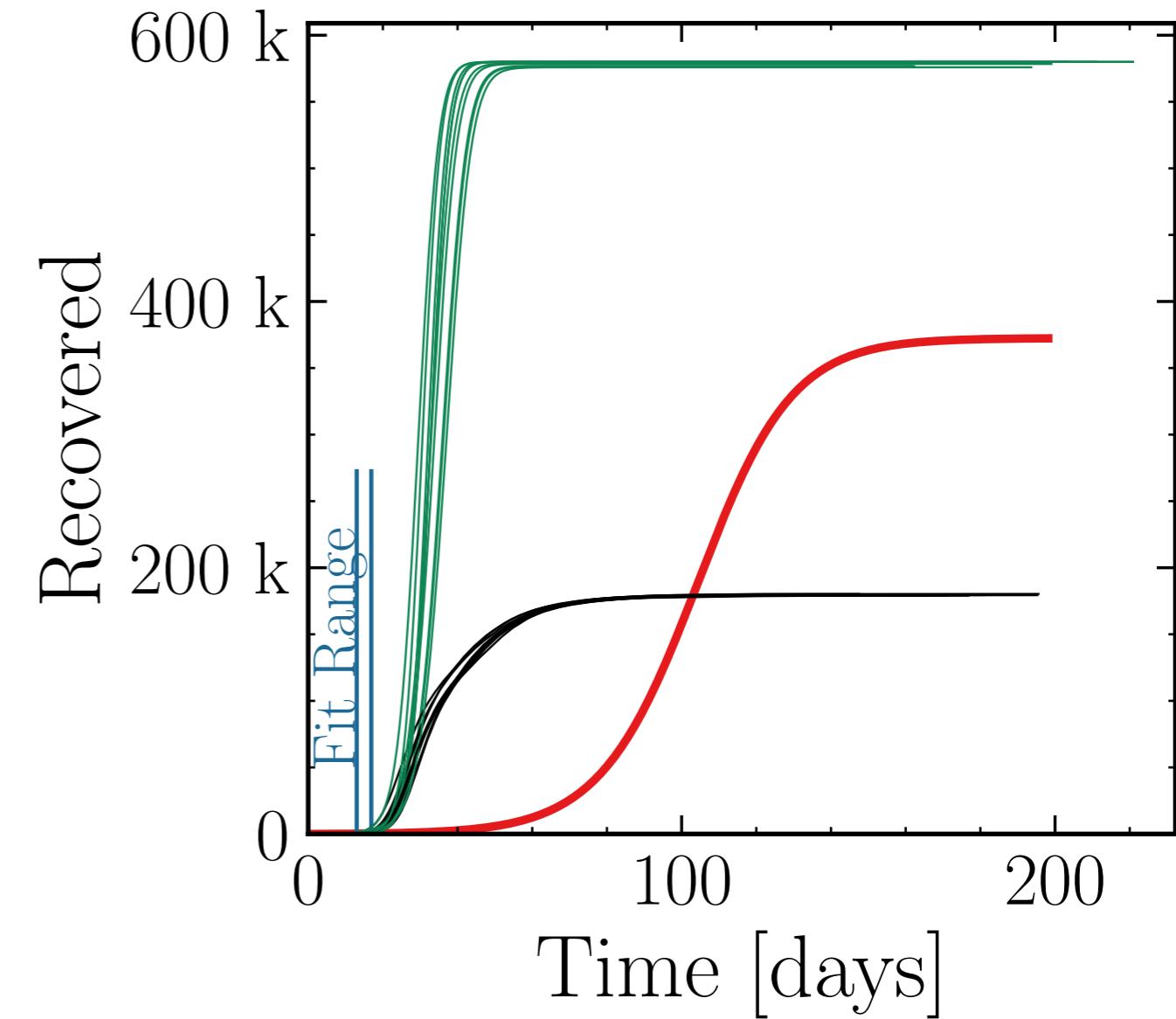
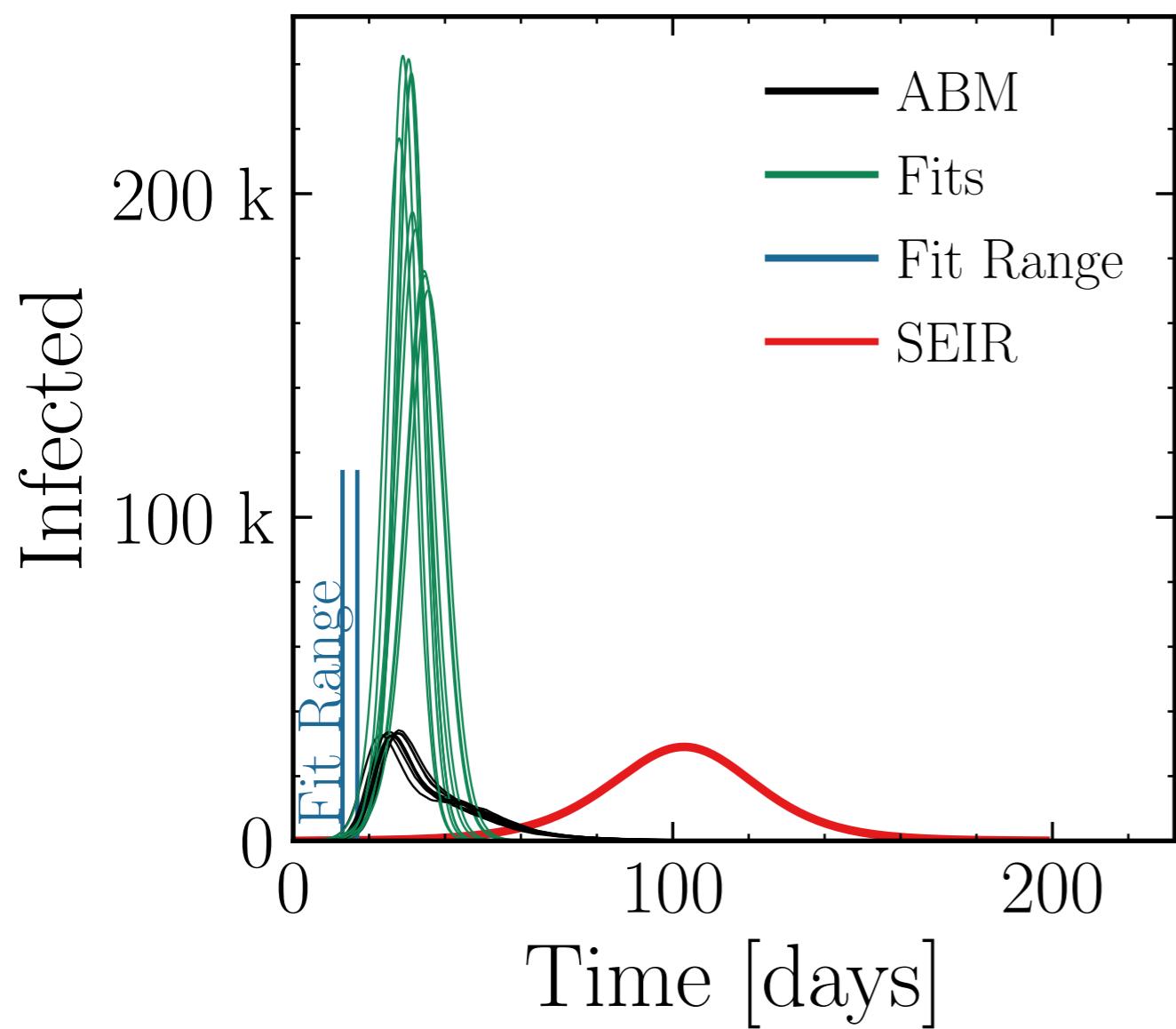
$$I_{\text{max}}^{\text{fit}} = (208 \pm 4.3\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 6.3 \pm 0.26$$

$$\text{v.} = 1.0, \text{hash} = 603e89edf6f, \#10$$

$$R_{\infty}^{\text{fit}} = (578.7 \pm 0.082\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 3.221 \pm 0.0041$$



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

$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

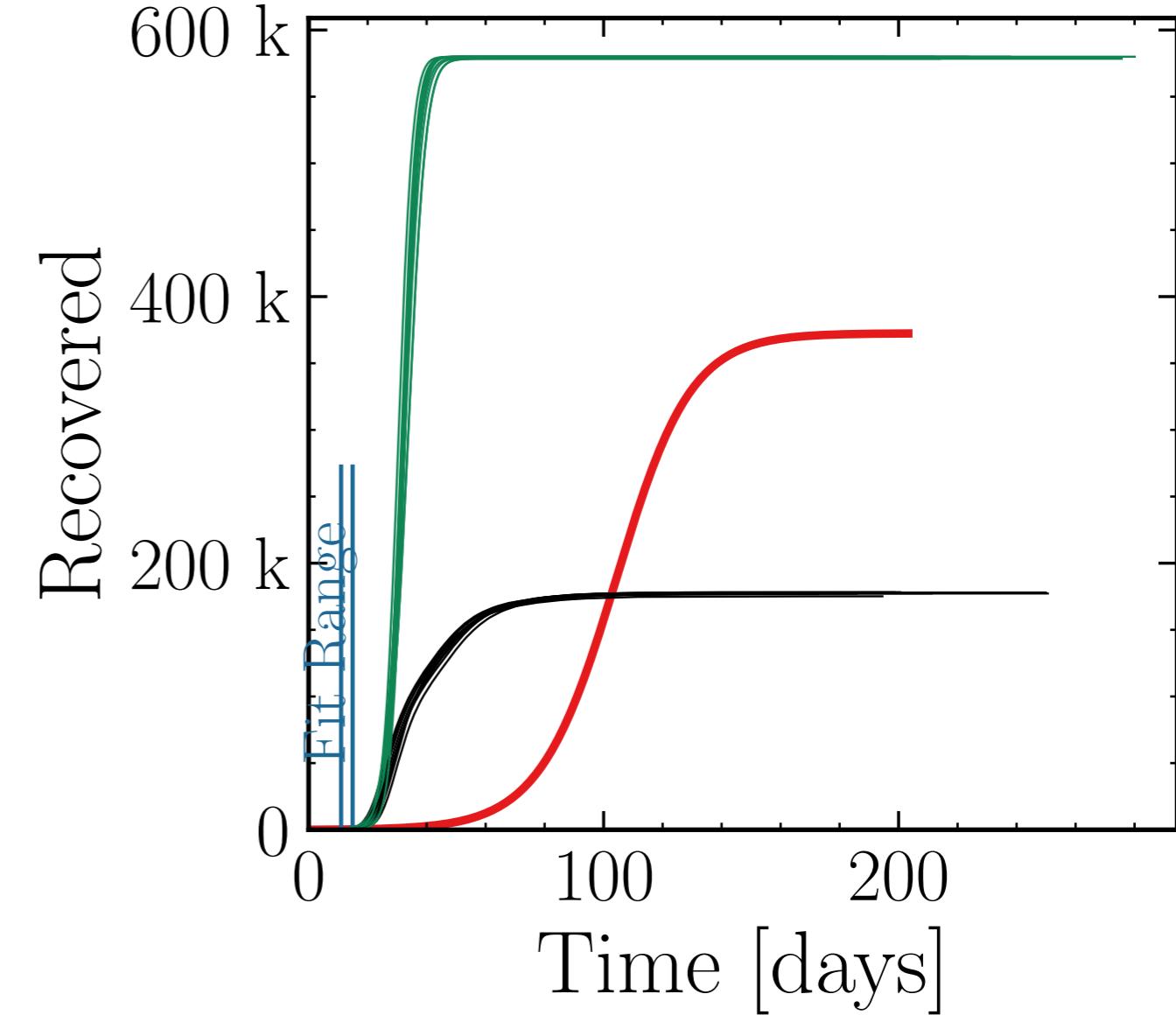
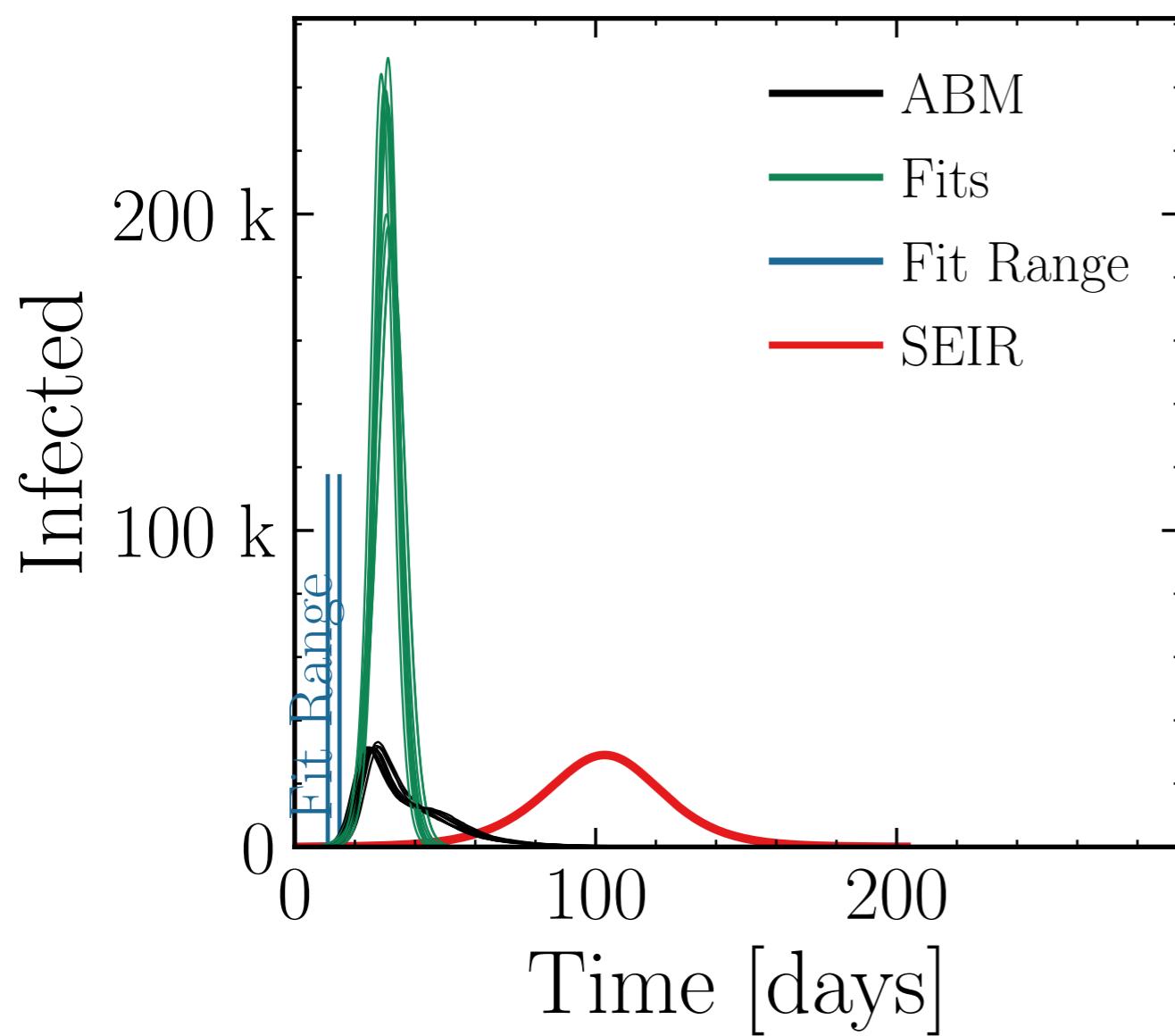
$N_{\text{events}} = 0$ , event<sub>size<sub>max</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{max}}^{\text{fit}} = (222 \pm 3.4\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 7 \pm 0.23$$

$$v. = 1.0, \text{hash} = 7c1f1f11f, R_{\infty}^{\text{fit}} = (579.5 \pm 0.035\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 3.269 \pm 0.0044$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.4$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 1.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 1.0$ , algo = 2,  $N_{\text{init}} = 100$

$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

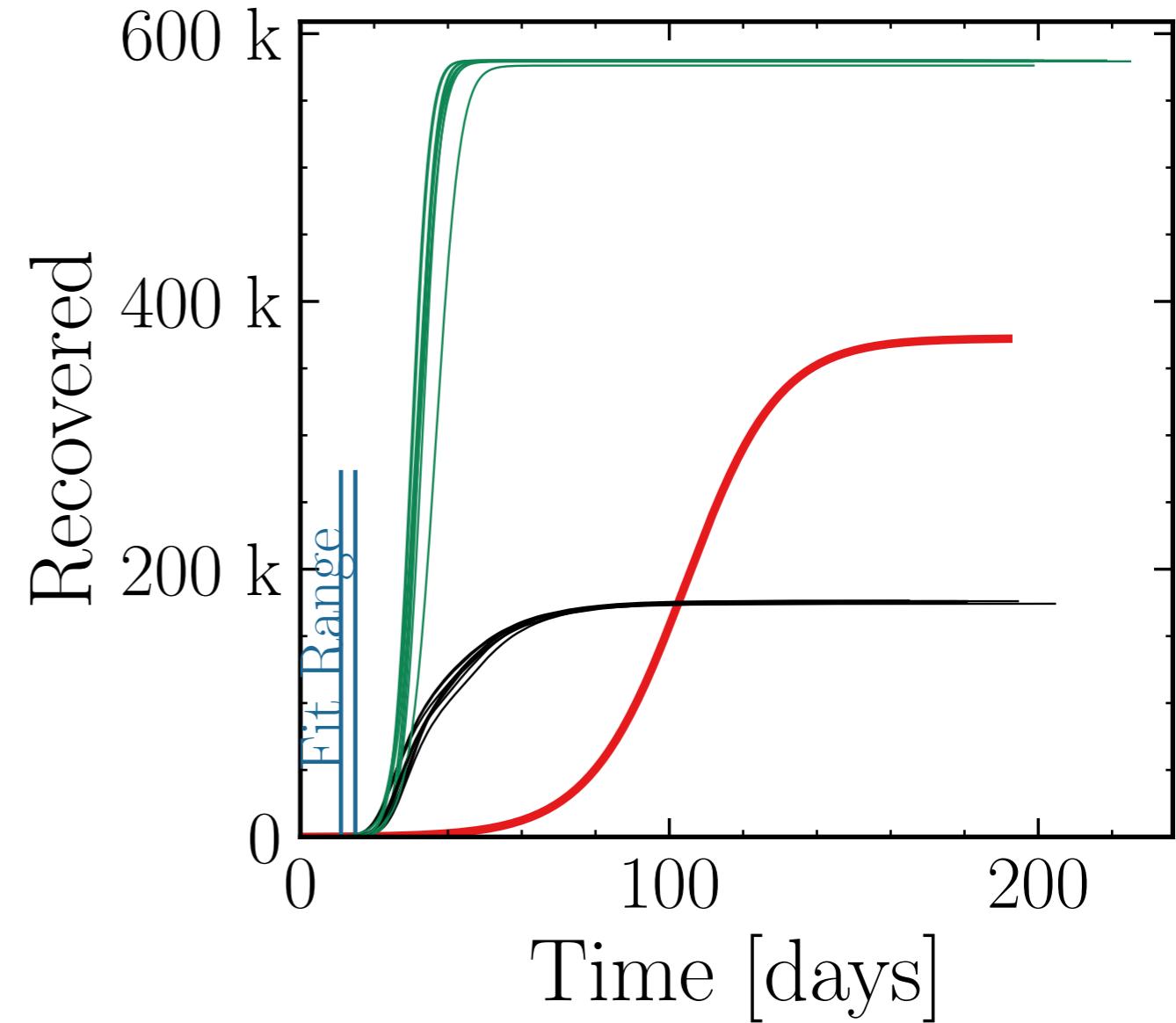
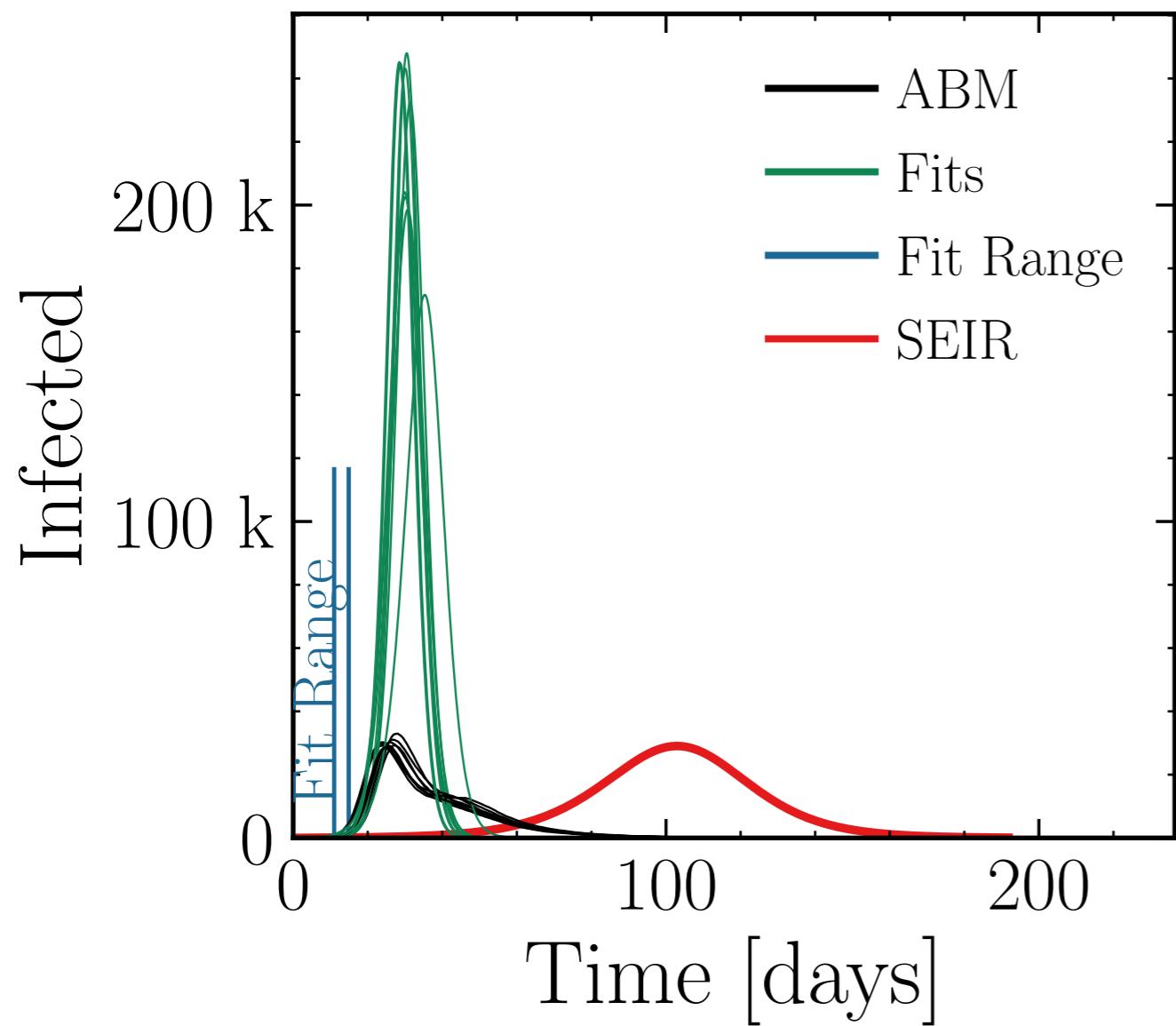
$N_{\text{events}} = 0$ , event<sub>size<sub>max</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{max}}^{\text{fit}} = (221 \pm 3.9\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 7.4 \pm 0.31$$

$$v. = 1.0, \text{hash} = 43609ee160, \#9_{R_{\infty}^{\text{fit}}} = (579.3 \pm 0.067\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 3.301 \pm 0.0054$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.5$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 1.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 1.0$ , 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> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

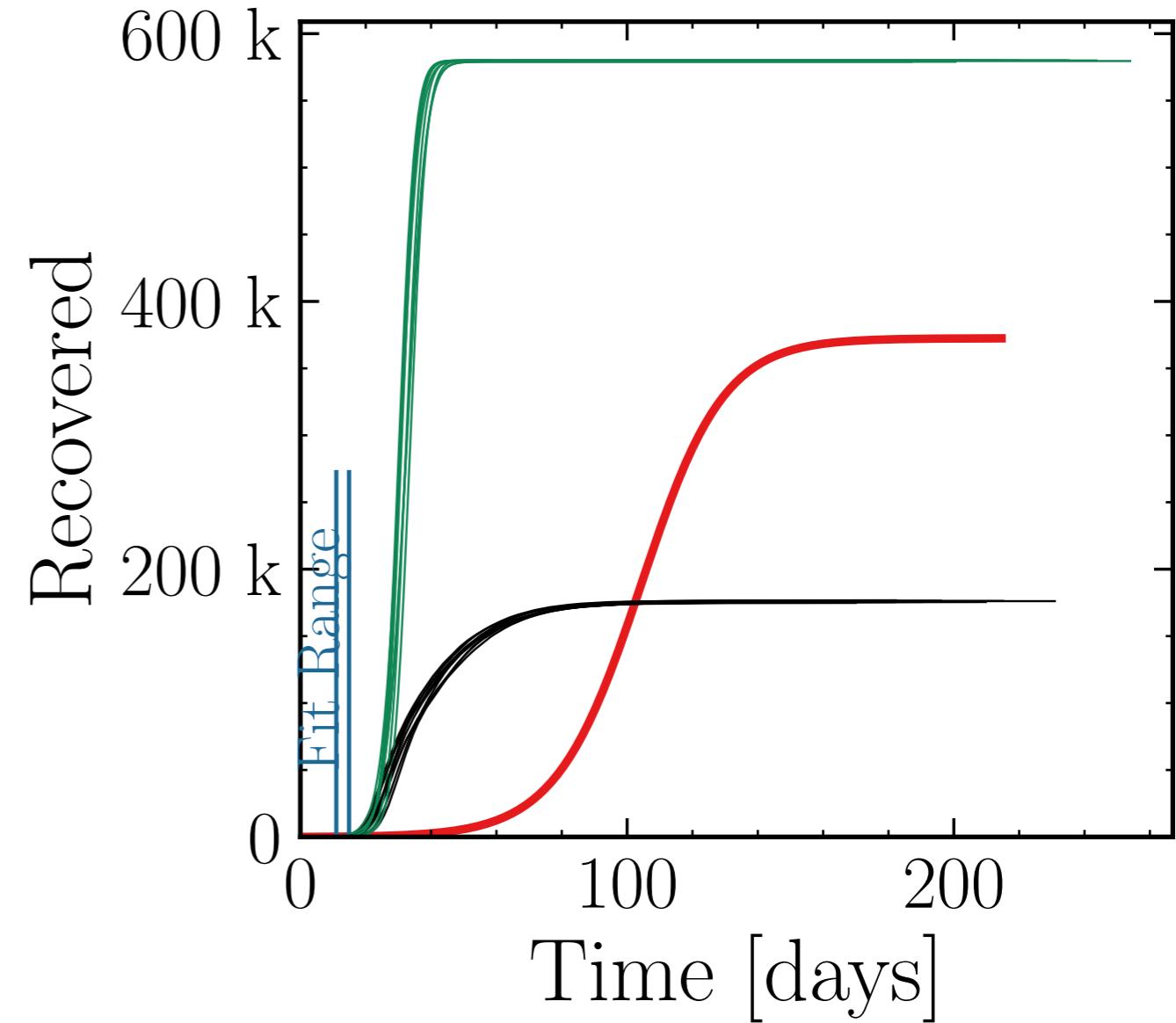
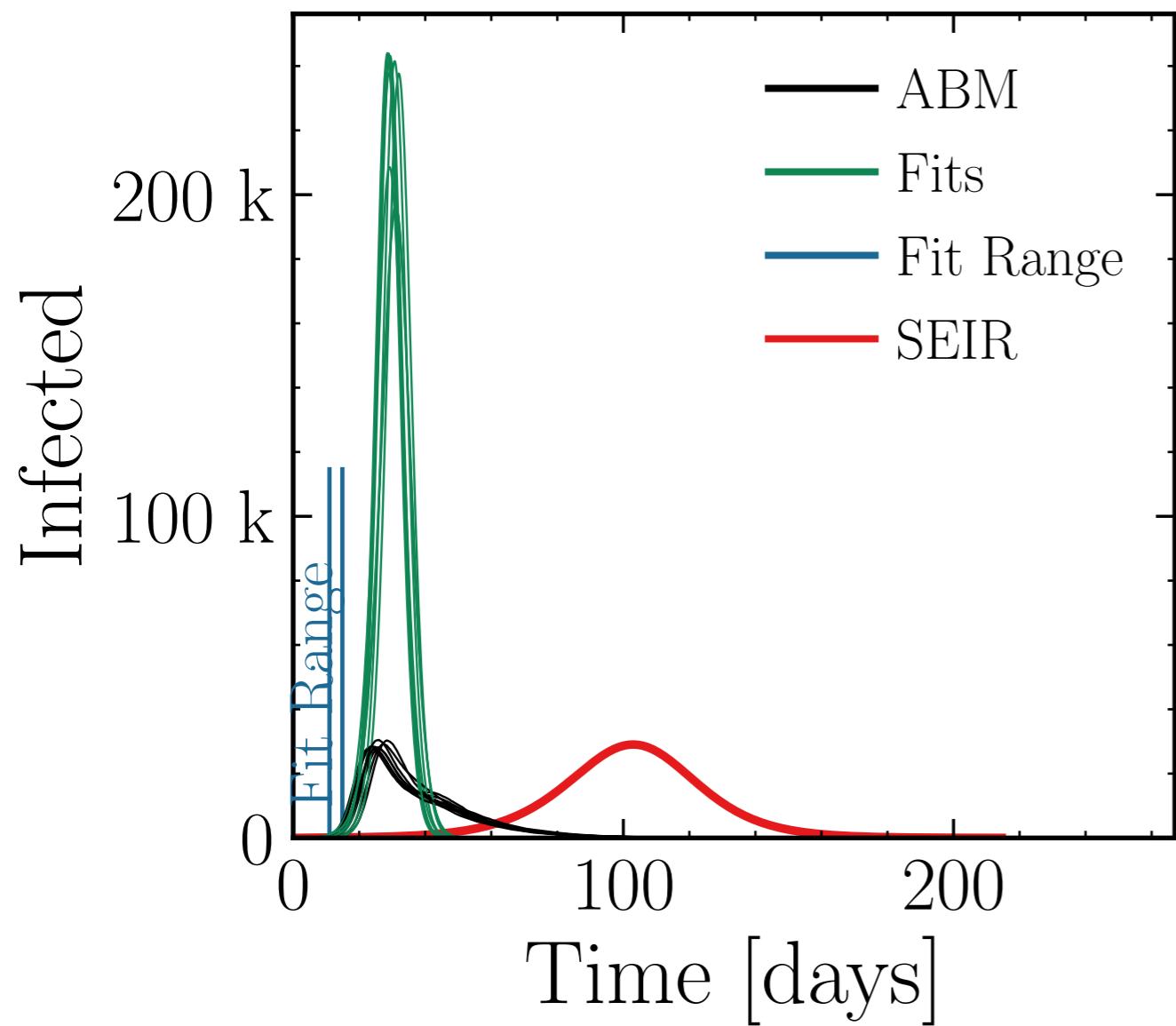
$$I_{\text{max}}^{\text{fit}} = (228 \pm 2.9\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 8 \pm 0.24$$

$$\text{v.} = 1.0, \text{hash} = 3eb7f64a2f, \#9$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (579.7 \pm 0.023\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 3.297 \pm 0.0037$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 30.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , 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> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

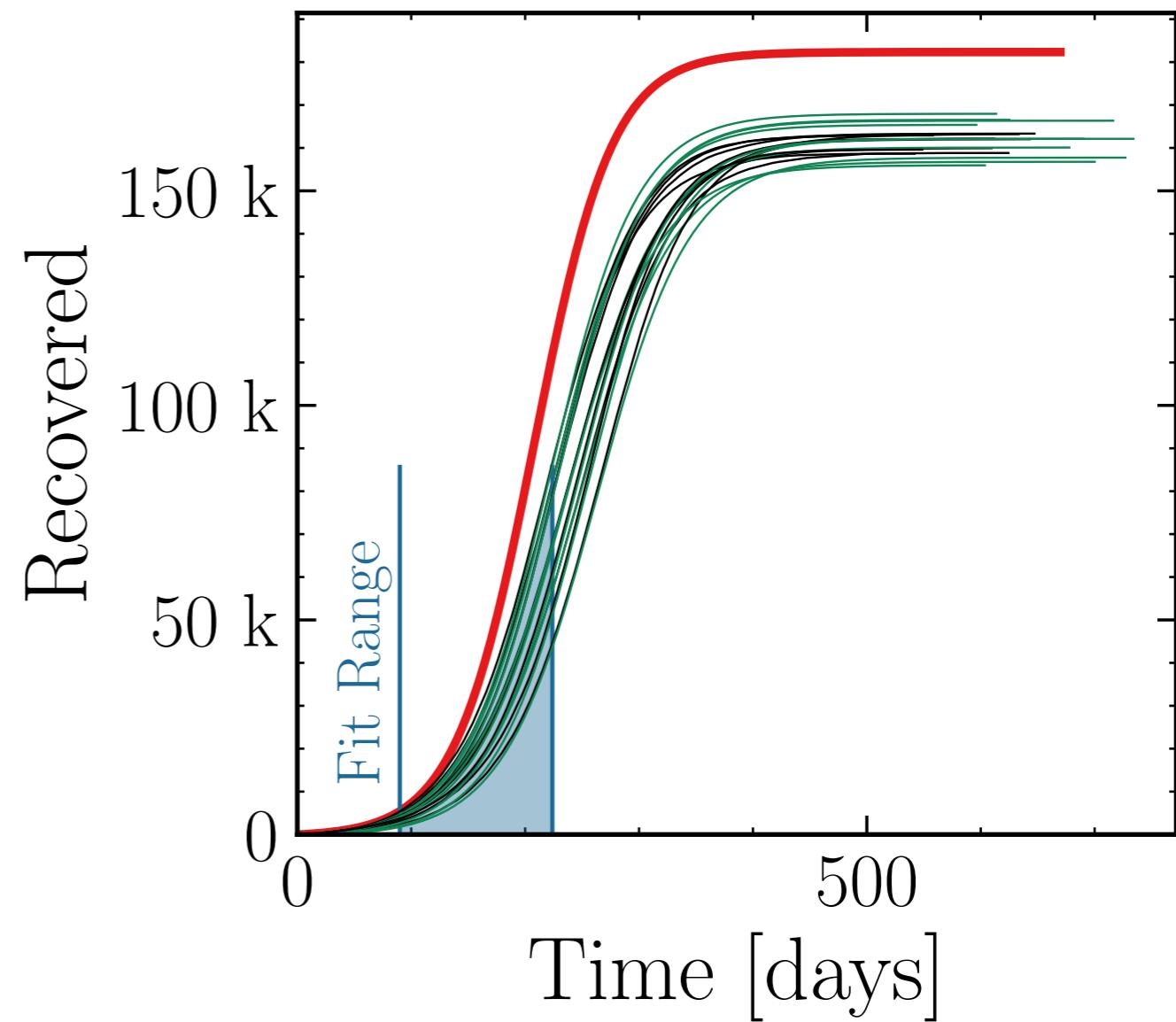
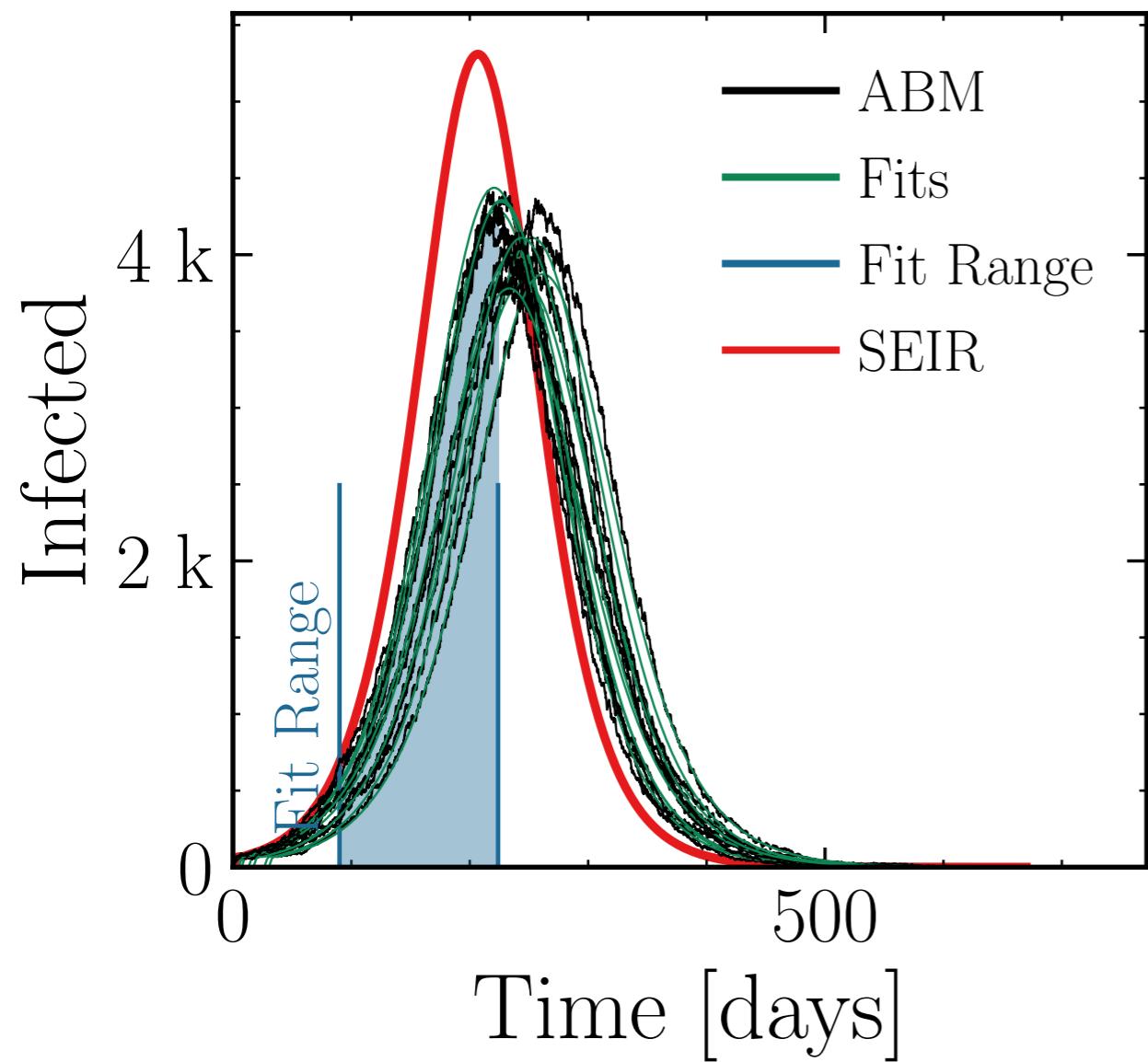
$$I_{\text{max}}^{\text{fit}} = (4.11 \pm 1.7\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 0.979 \pm 0.009$$

v. = 1.0, hash = 5a0633e014, #10

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (162 \pm 0.81\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.004 \pm 0.0072$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 20.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , 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> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

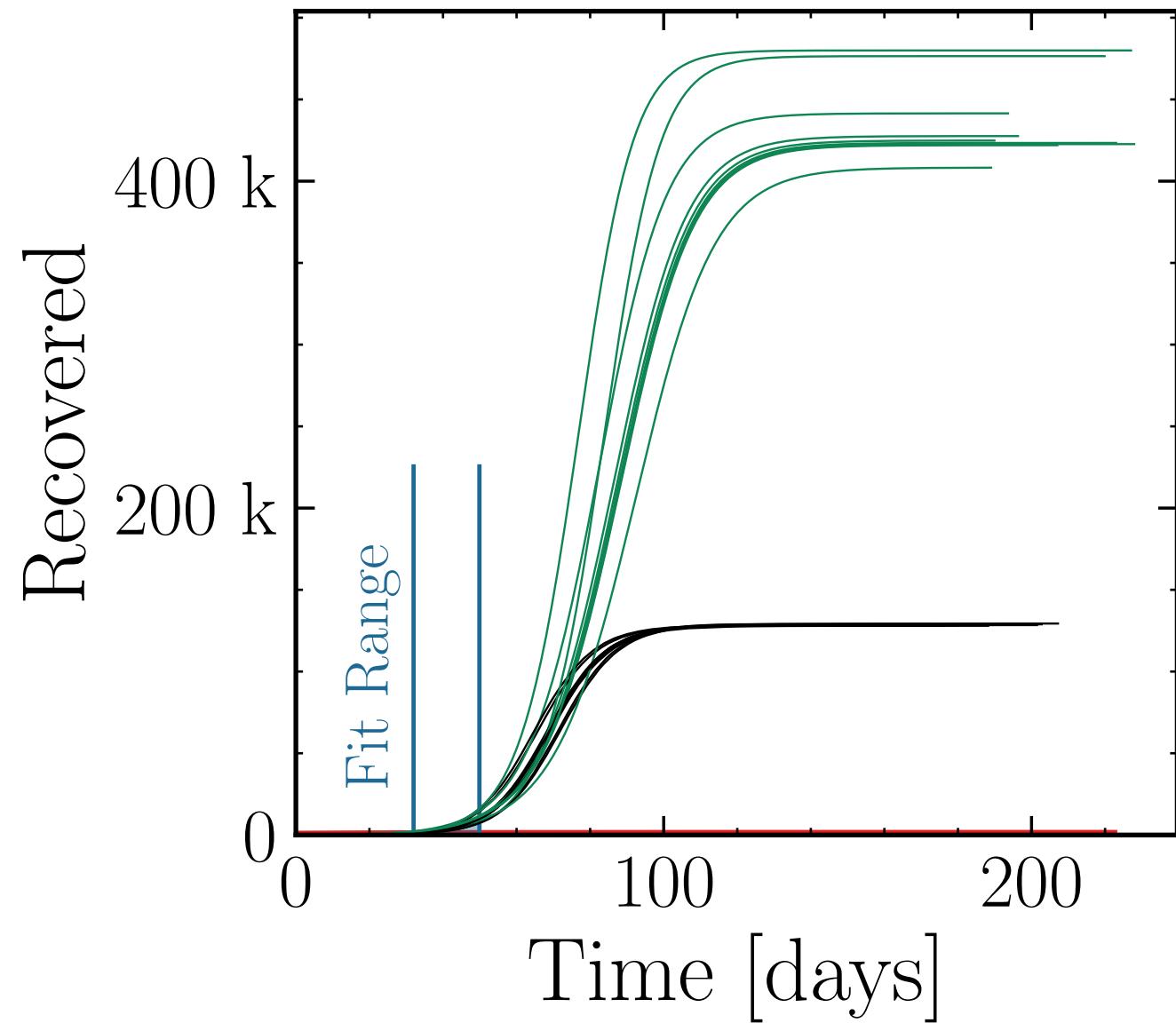
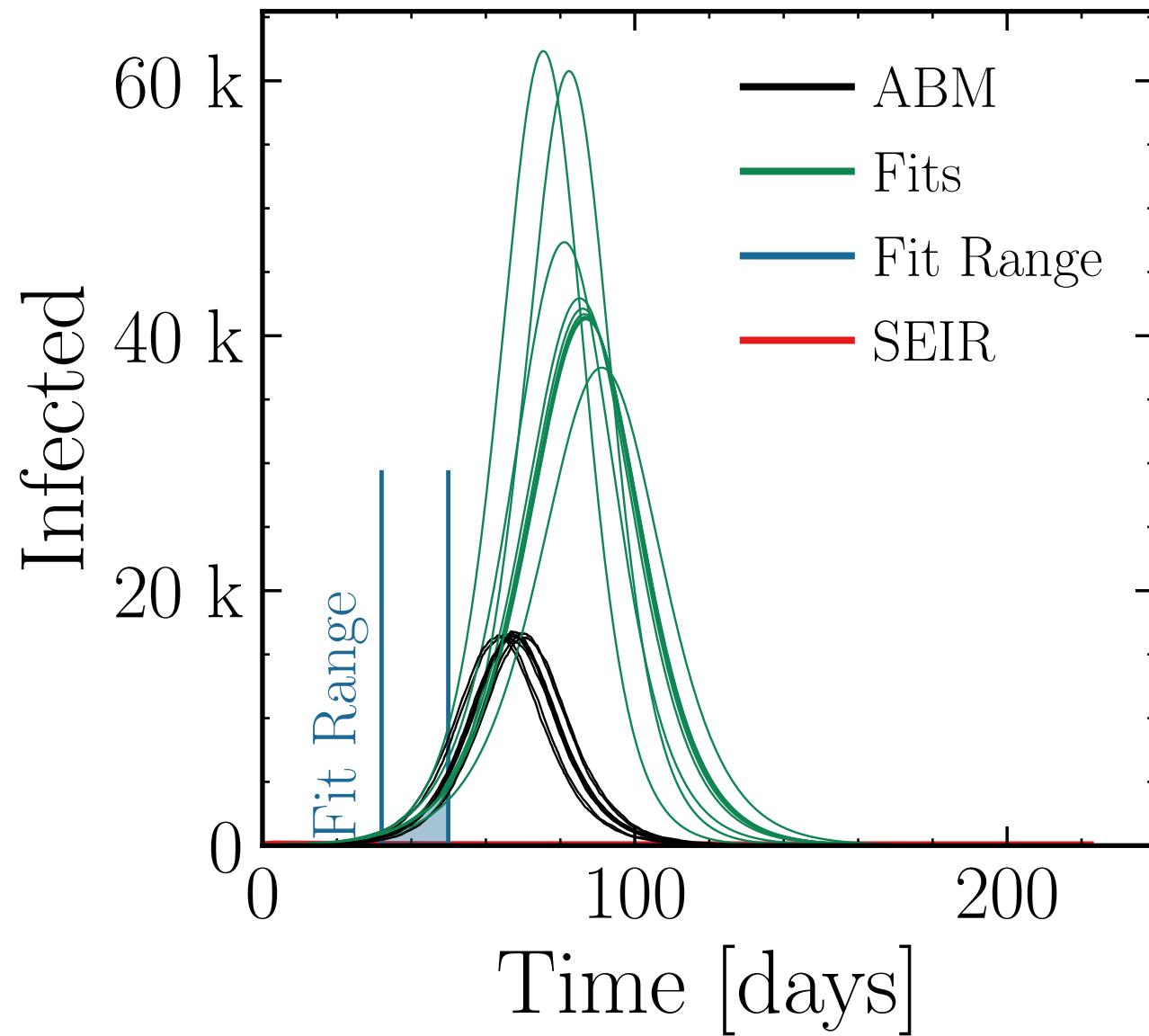
$$I_{\text{max}}^{\text{fit}} = (46 \pm 5.6\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 2.8 \pm 0.15$$

$$\text{v.} = 1.0, \text{hash} = 19eac9cb6d, \#10$$

$$R_{\infty}^{\text{fit}} = (435 \pm 1.7\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 3.38 \pm 0.056$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 50.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

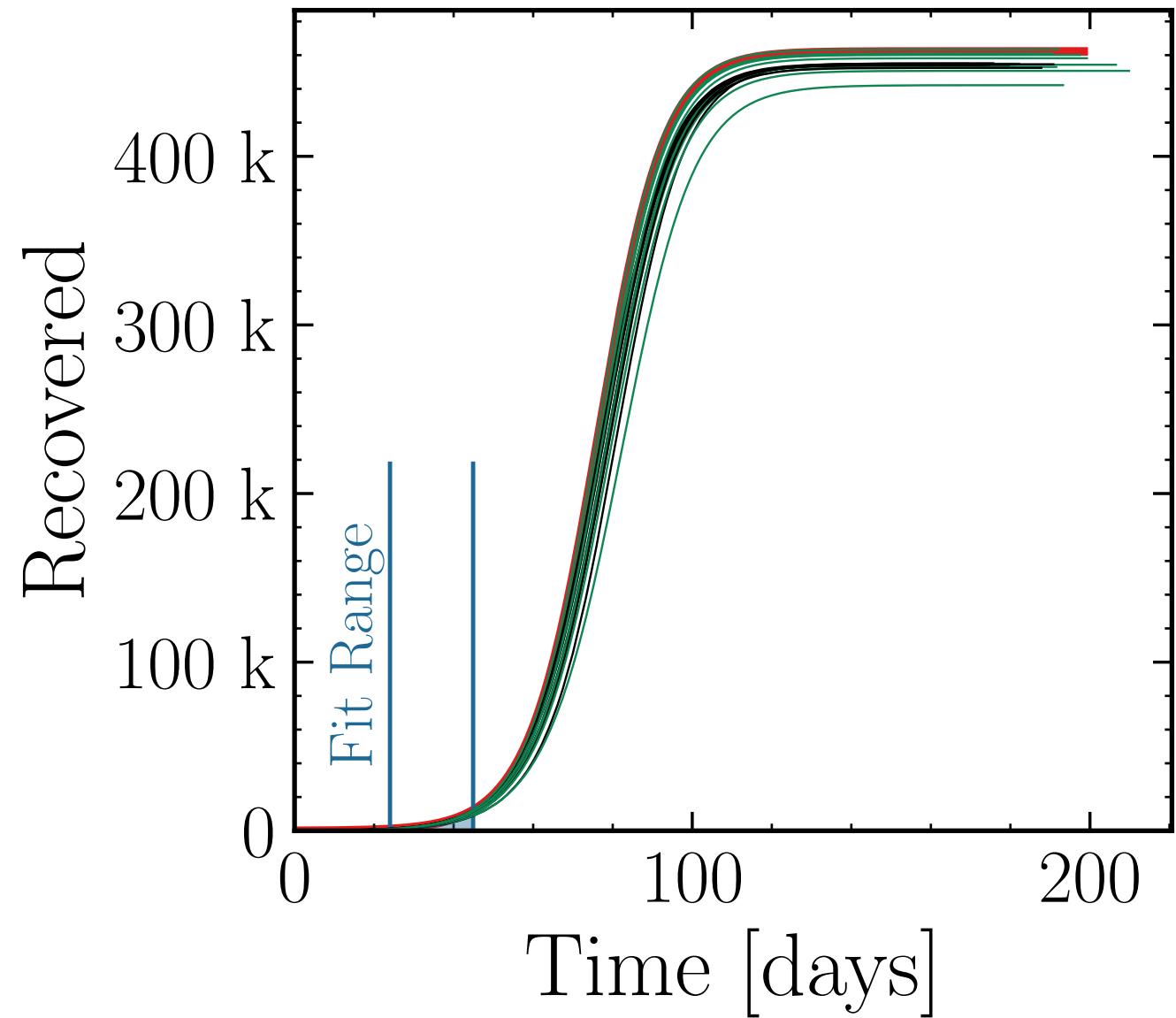
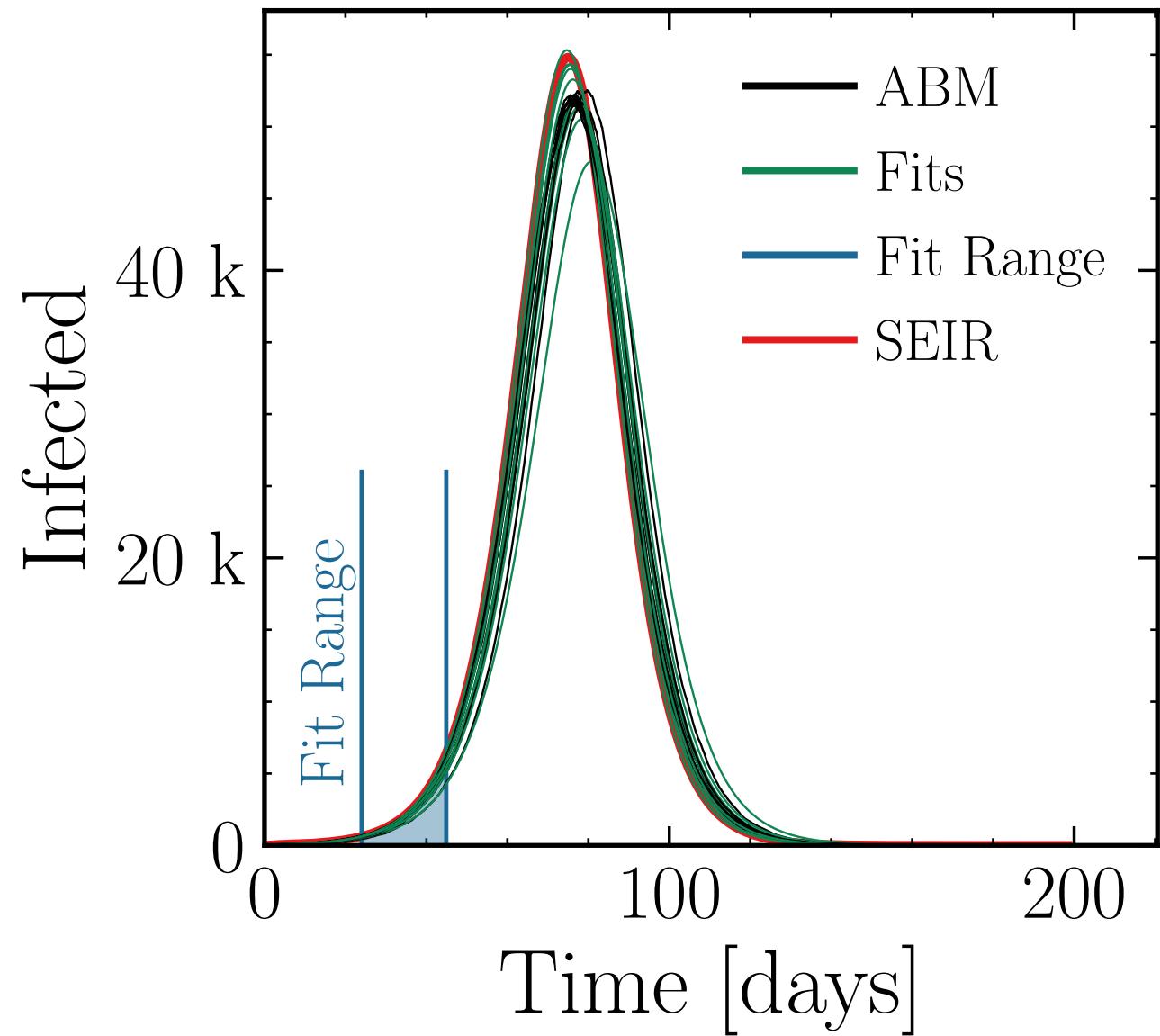
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 0$ , event<sub>size<sub>max</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{max}}^{\text{fit}} = (52.5 \pm 1.3\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1.01 \pm 0.014 \quad v. = 1.0, \text{hash} = 91ff5f2dad\#10 \quad R_{\infty}^{\text{fit}} = (456 \pm 0.41\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.003 \pm 0.0043$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 30.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{connect}} = 0$

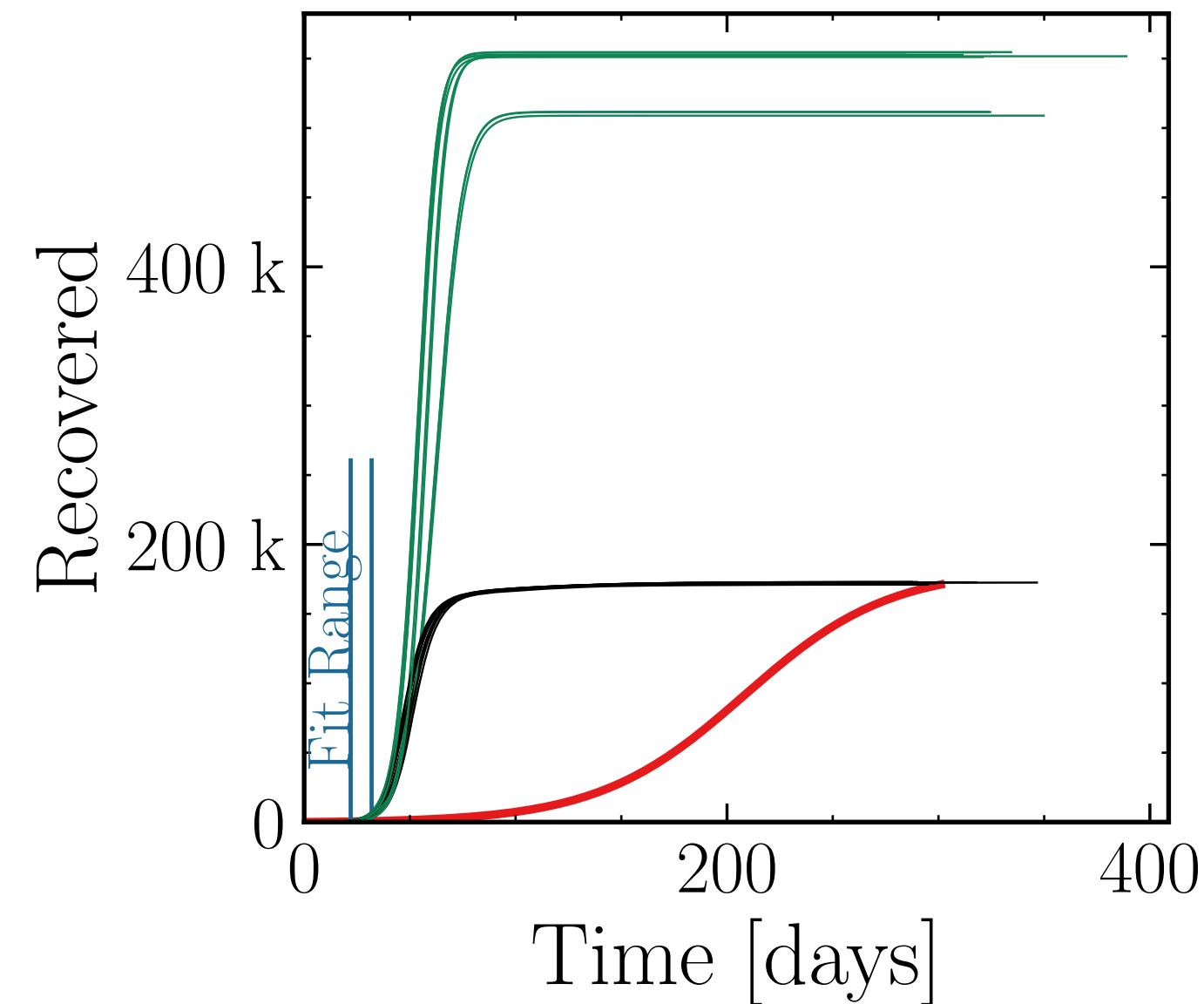
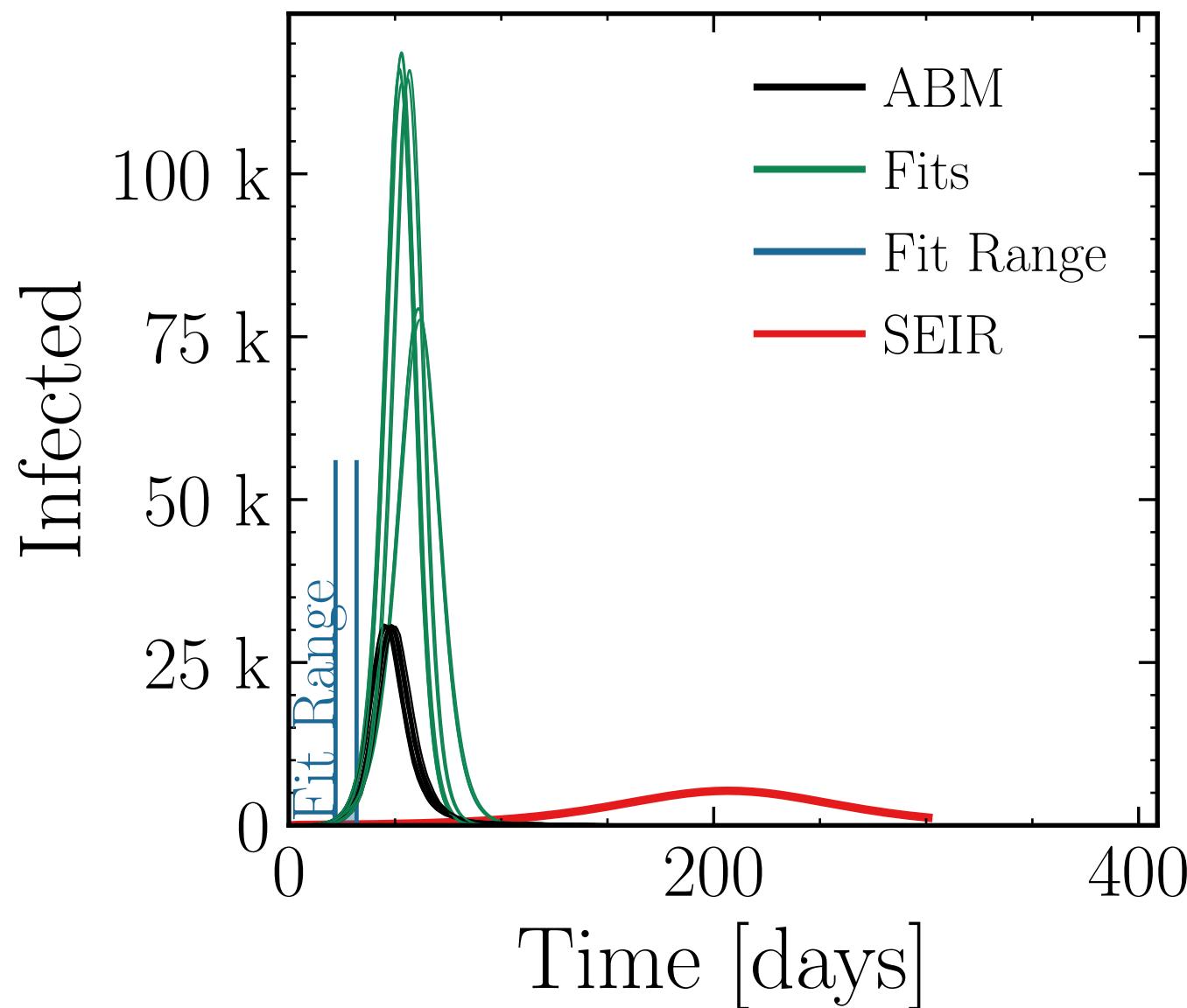
$N_{\text{events}} = 0$ , event<sub>size<sub>max</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{max}}^{\text{fit}} = (105 \pm 5.2\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 3.4 \pm 0.18$$

$$\text{v.} = 1.0, \text{hash} = \text{a9d6ff6e37}$$
  
 $R_{\infty}^{\text{fit}} \# 10 \quad (540 \pm 1.1\%) \cdot 10^3$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 3.13 \pm 0.035$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 60.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

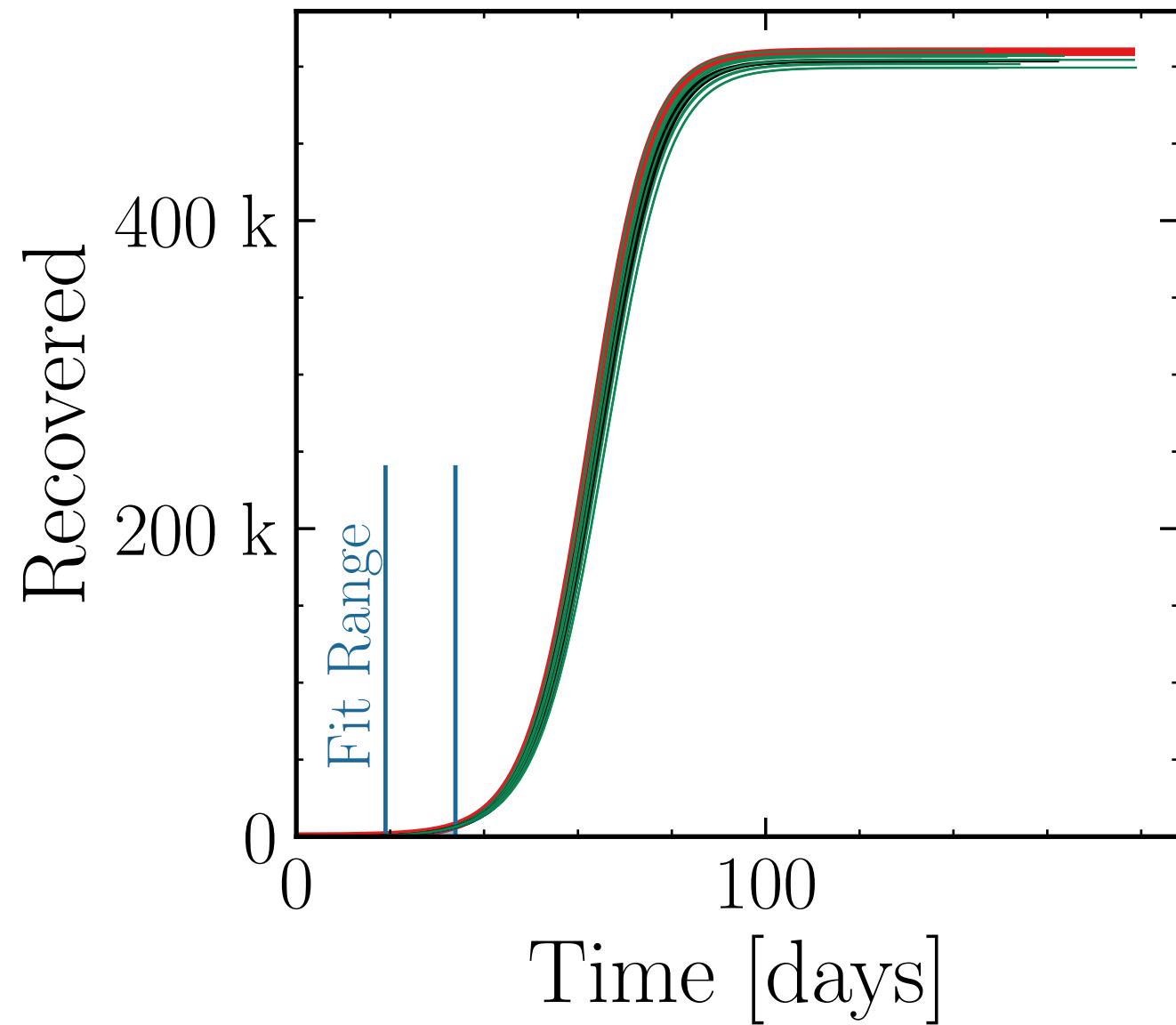
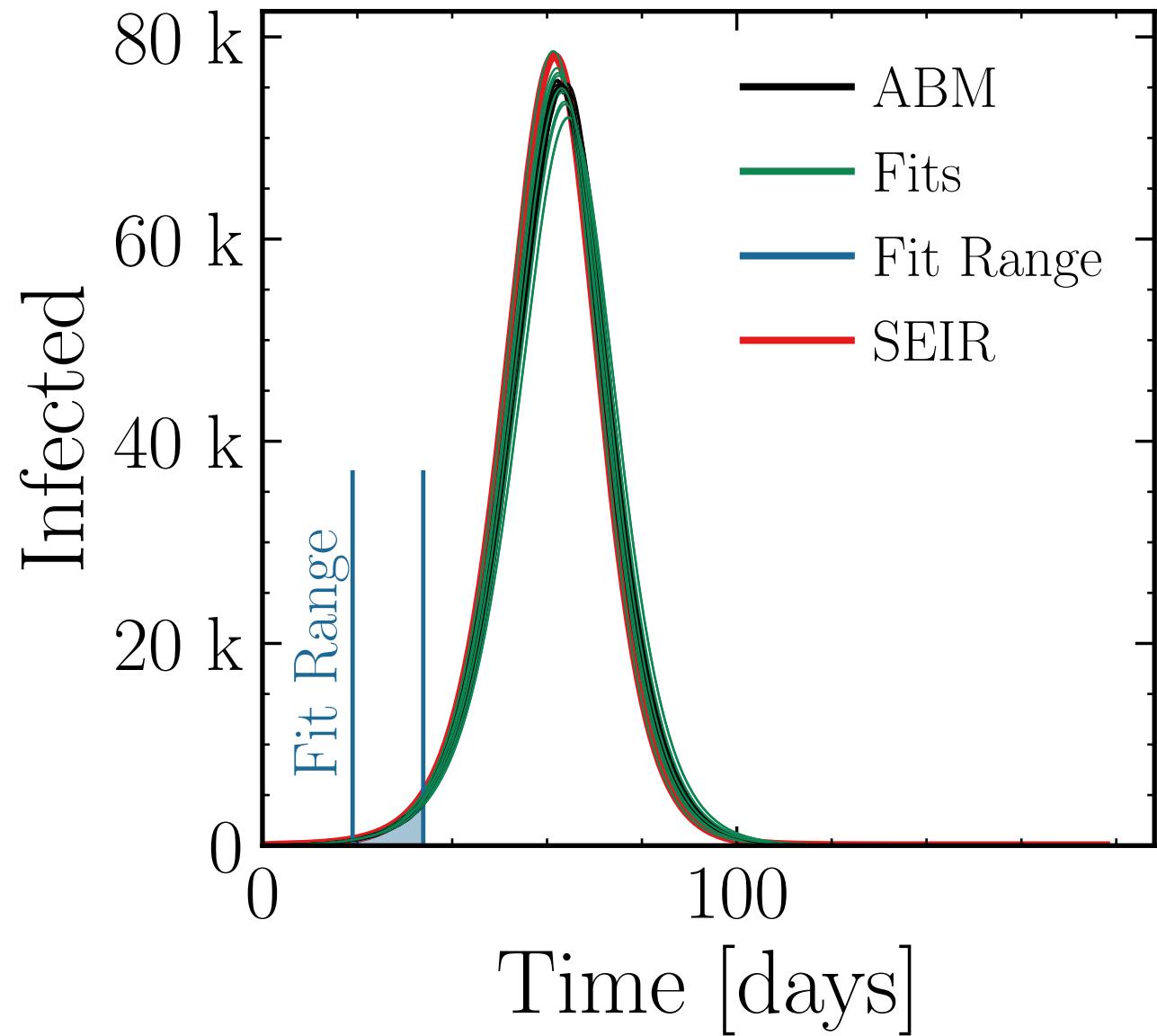
$N_{\text{events}} = 0$ , event<sub>size<sub>max</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{max}}^{\text{fit}} = (74.9 \pm 0.87\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 0.994 \pm 0.008 \quad v. = 1.0, \text{ hash} = b98079ea6f, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (504 \pm 0.22\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1 \pm 0.0022$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 50.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

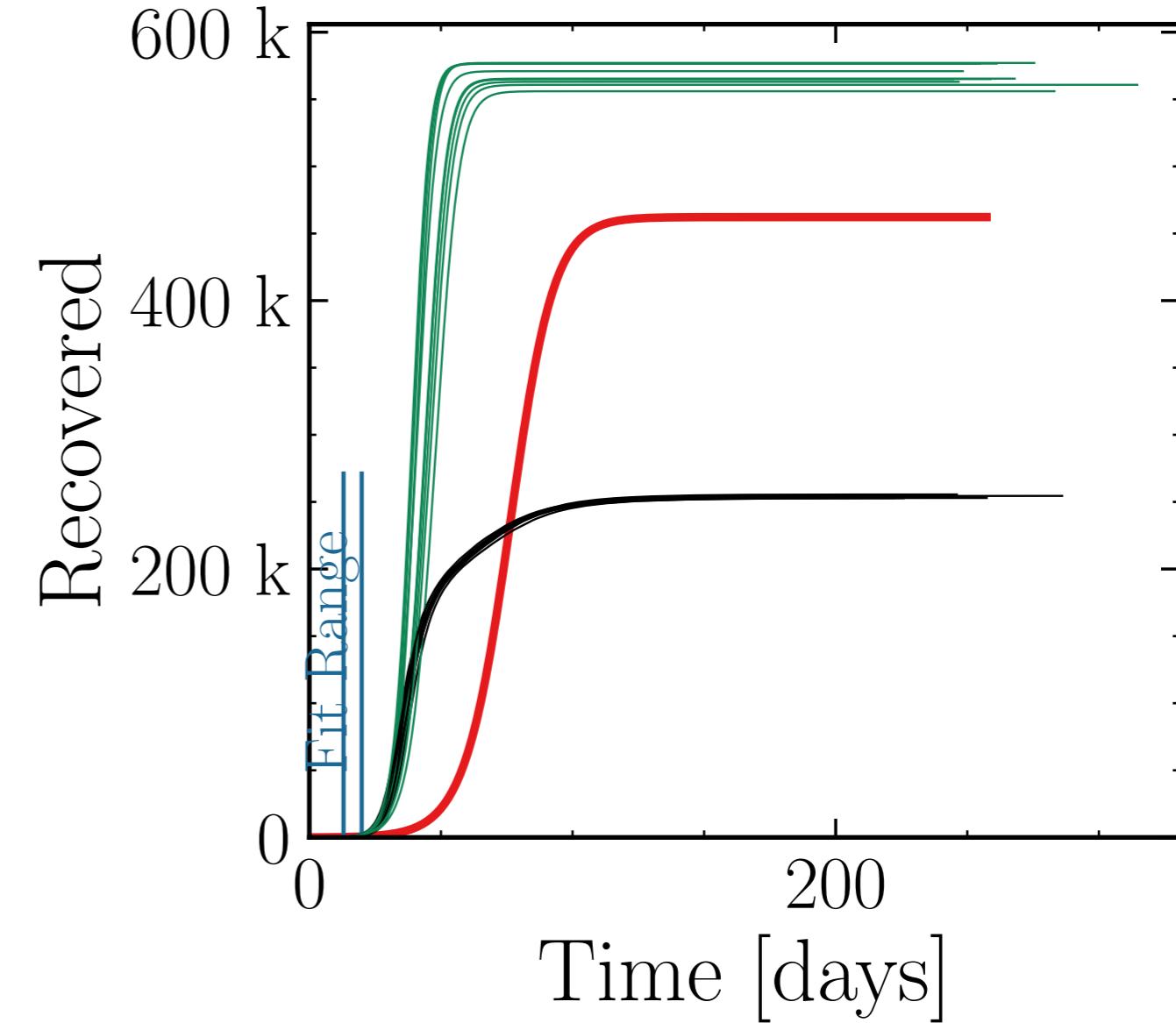
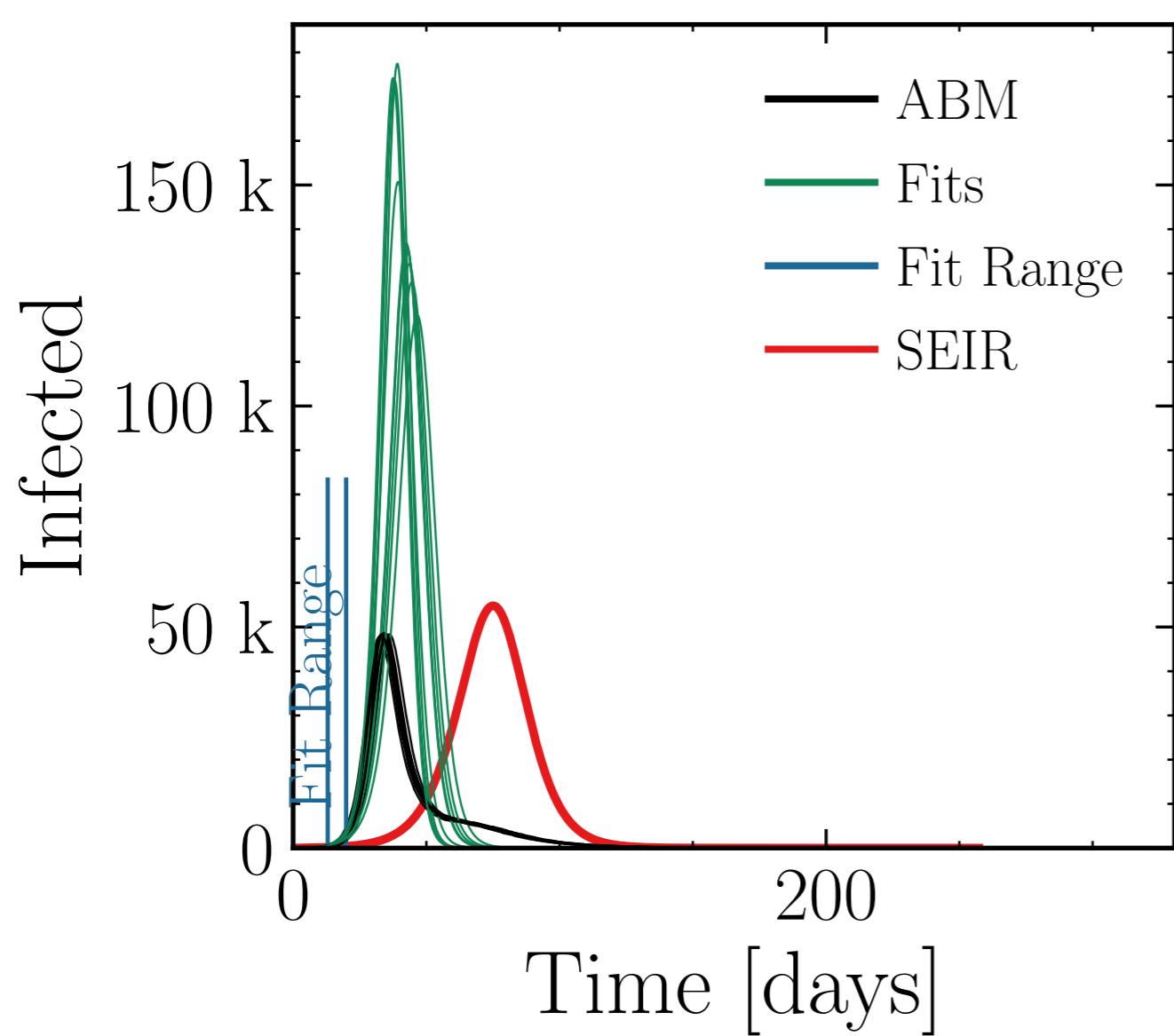
$N_{\text{events}} = 0$ , event<sub>size<sub>max</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{max}}^{\text{fit}} = (147 \pm 4.3\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 3 \pm 0.13$$

$$v. = 1.0, \text{hash} = 8ff12acc84R_{\infty}^{\text{fit}} \#10 \quad (568 \pm 0.39\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{fit}}} = 2.237 \pm 0.0080$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 70.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

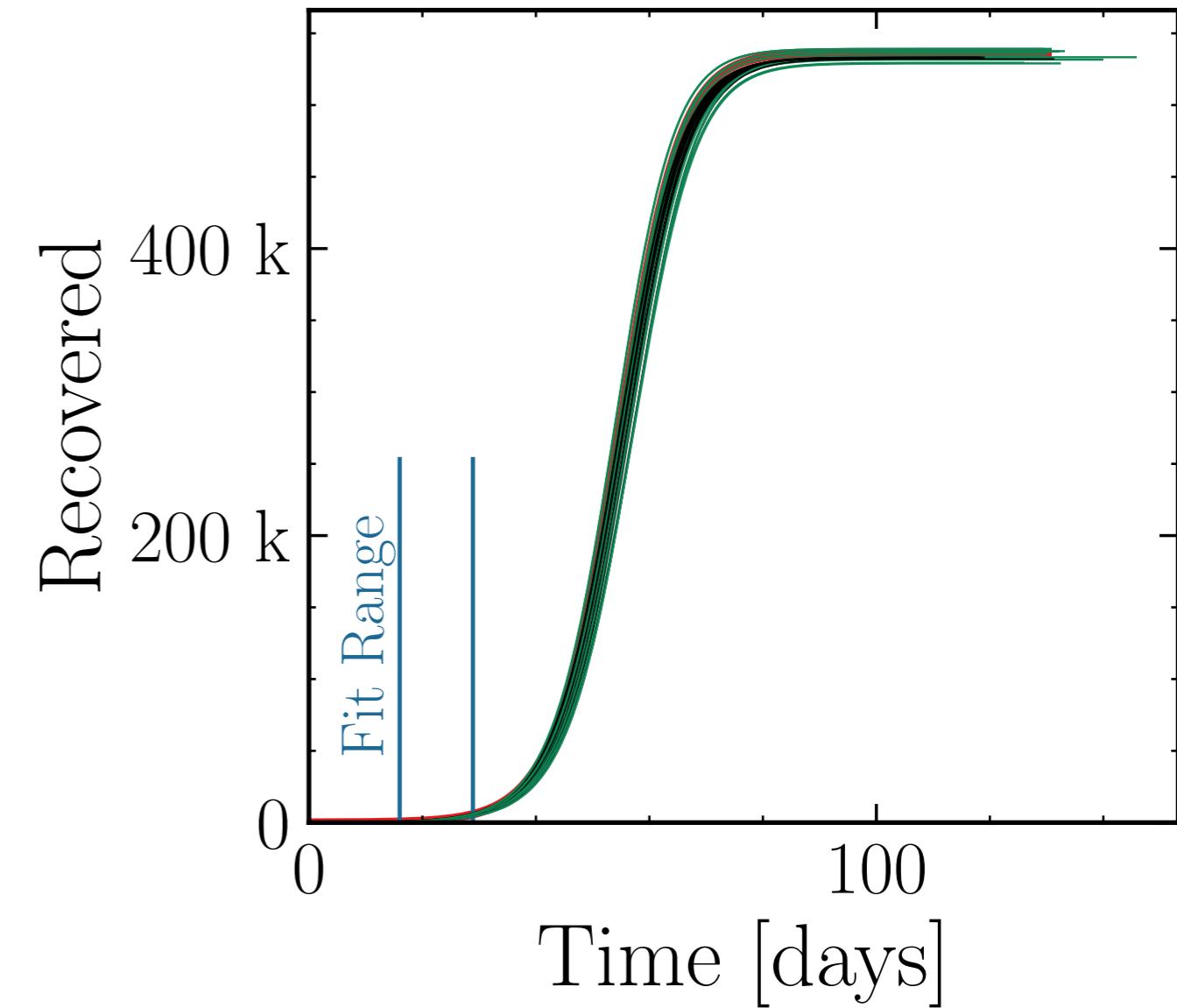
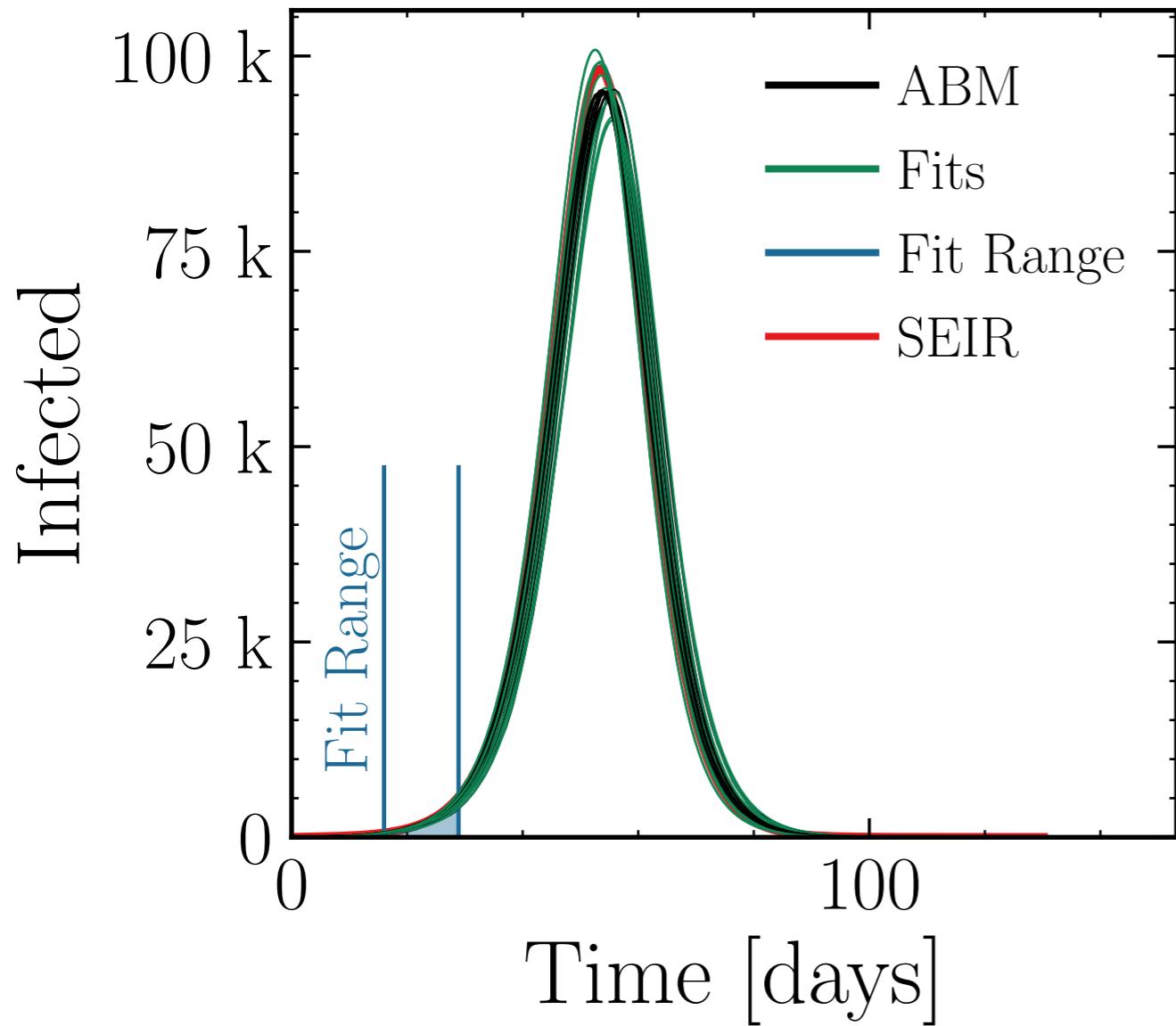
$N_{\text{events}} = 0$ , event<sub>size<sub>max</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{max}}^{\text{fit}} = (96.7 \pm 1.0\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1.01 \pm 0.010 \quad v. = 1.0, \text{hash} = \text{d938f5e505}, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (535 \pm 0.21\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.004 \pm 0.0020$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 60.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , 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> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

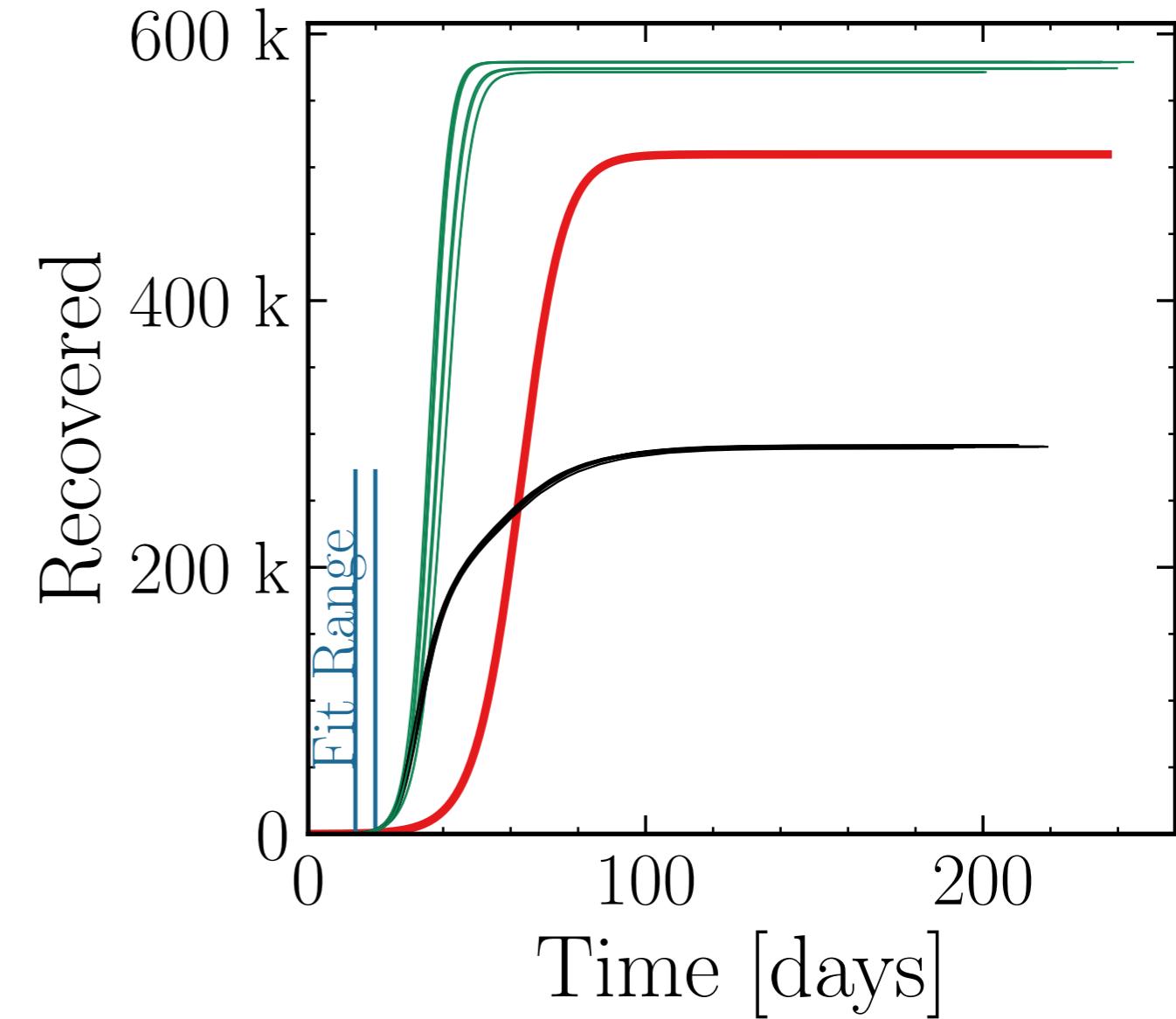
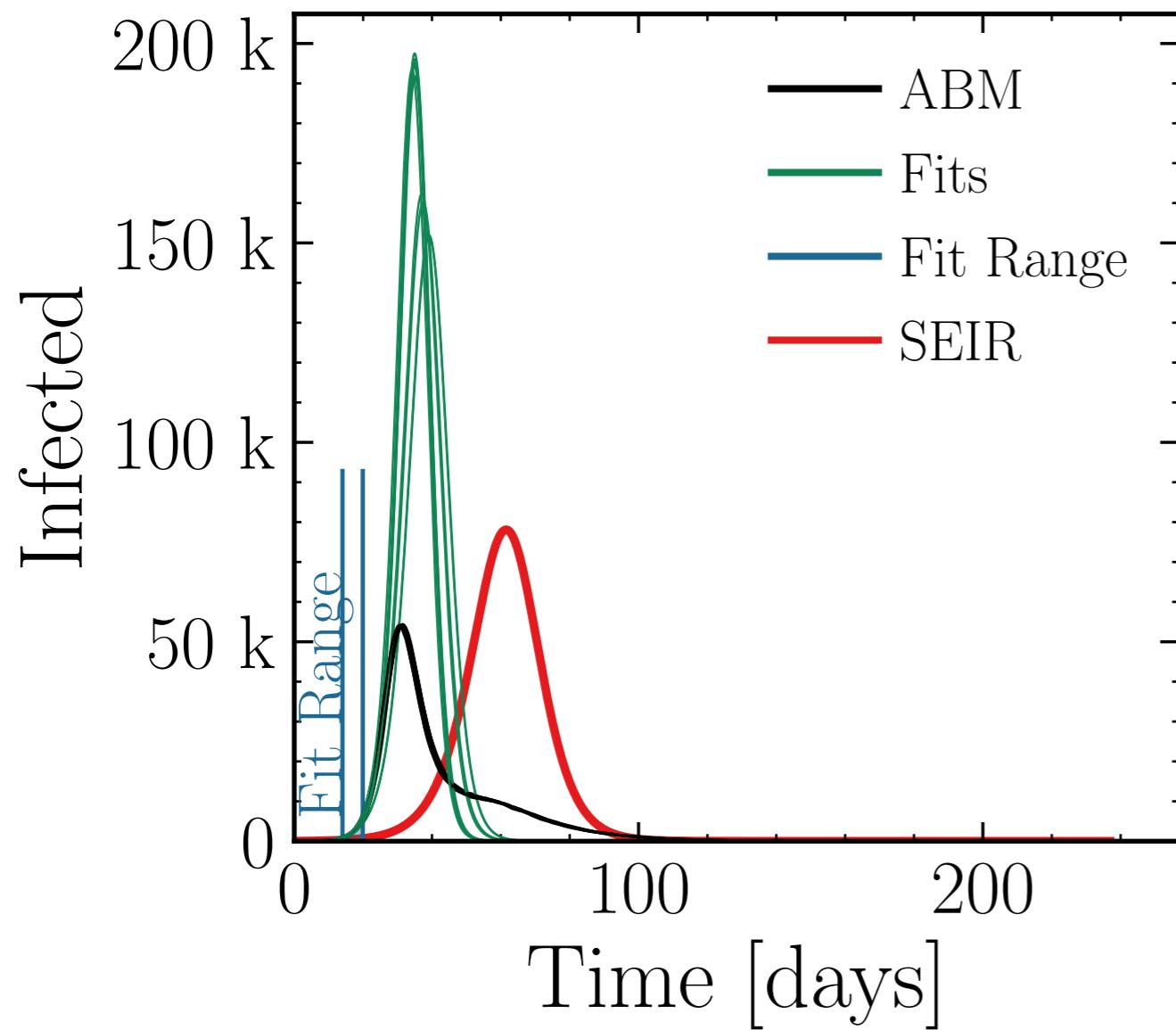
$$I_{\text{max}}^{\text{fit}} = (179 \pm 3.4\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 3.3 \pm 0.11$$

$$\text{v.} = 1.0, \text{hash} = 32801e8614, \#10$$

$$R_{\infty}^{\text{fit}} = (576 \pm 0.17\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.983 \pm 0.0041$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 80.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

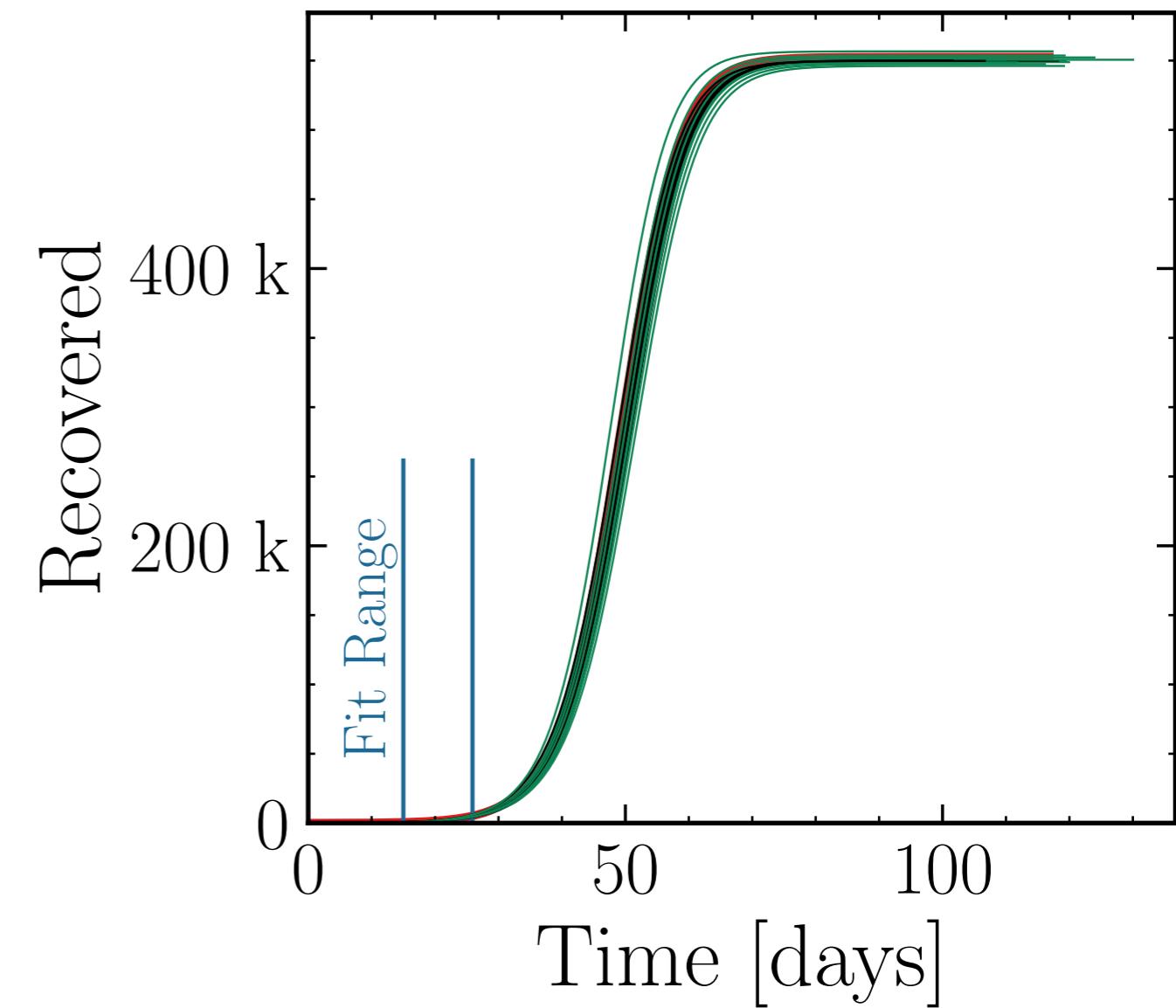
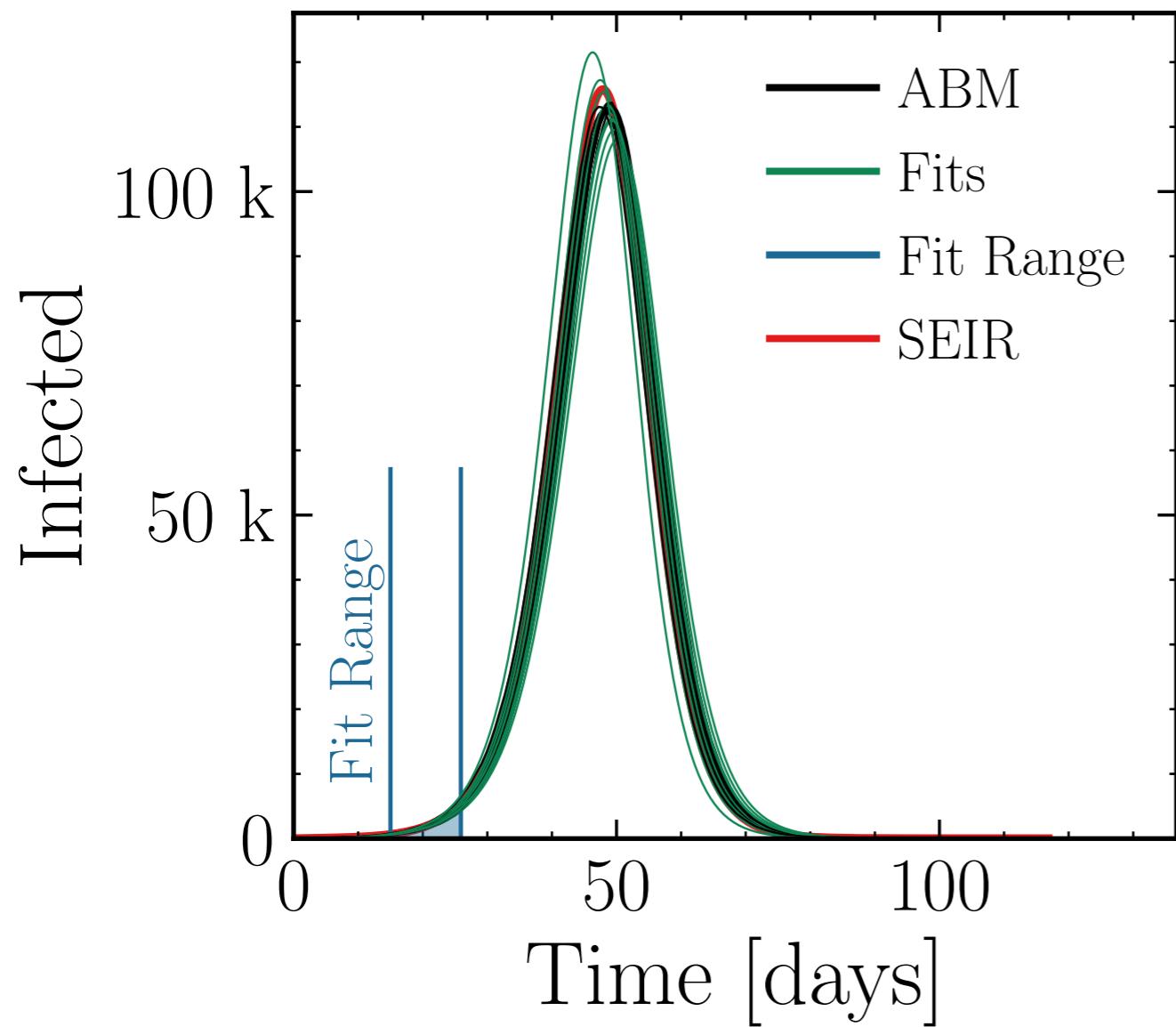
$N_{\text{events}} = 0$ , event<sub>size<sub>max</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{max}}^{\text{fit}} = (113 \pm 1.0\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1 \pm 0.011$$

$$\text{v.} = 1.0, \text{hash} = \text{b7260b443c}, \#10_5 \pm 0.17\% \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.001 \pm 0.0017$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 70.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

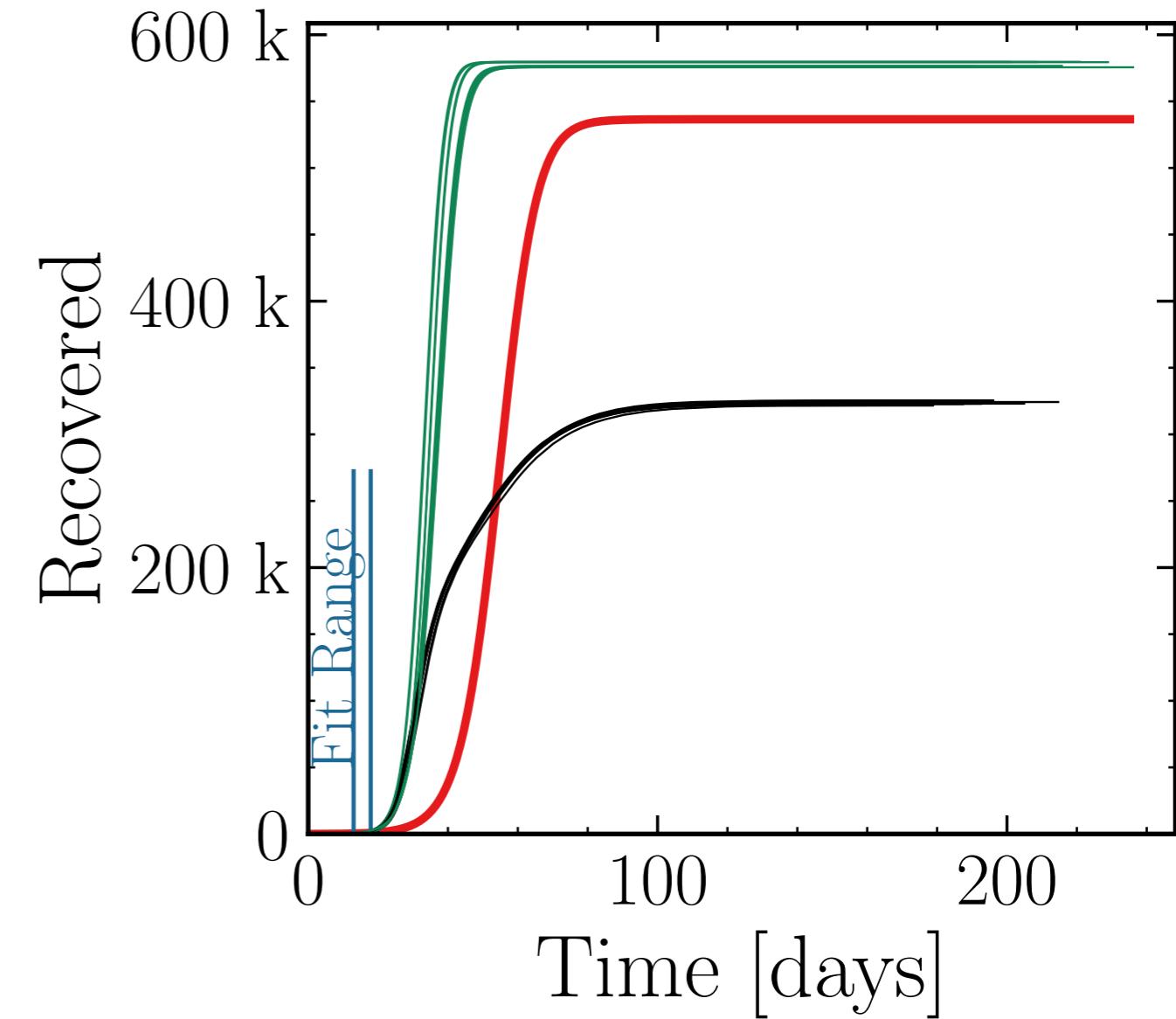
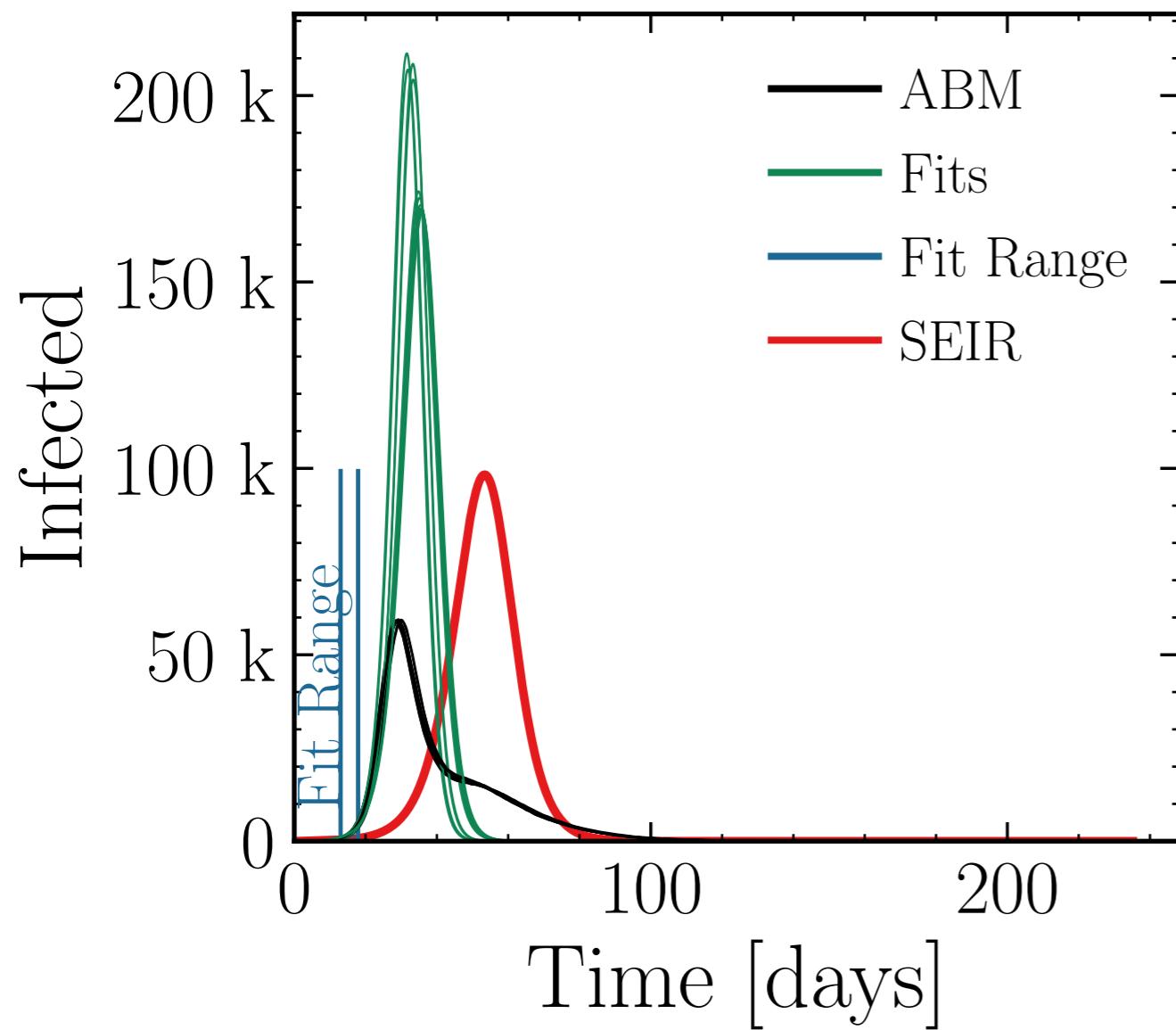
$N_{\text{events}} = 0$ , event<sub>size<sub>max</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{max}}^{\text{fit}} = (186 \pm 3.1\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{ABM}}^{\text{ABM}}} = 3.14 \pm 0.098 \quad v. = 1.0, \text{hash} = 360de8df7d, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (577.4 \pm 0.095\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{fit}}} = 1.785 \pm 0.0031$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 80.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , 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> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

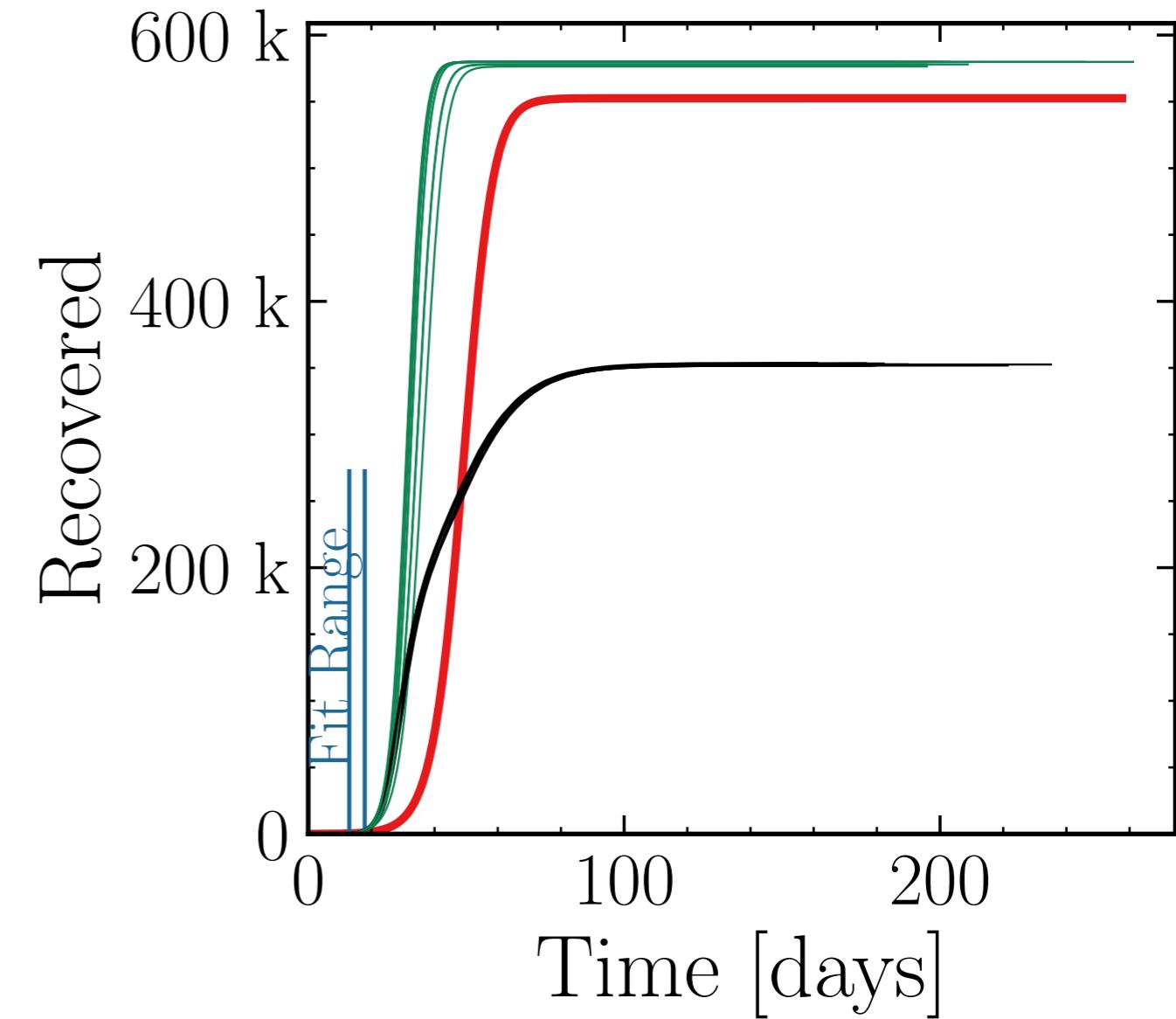
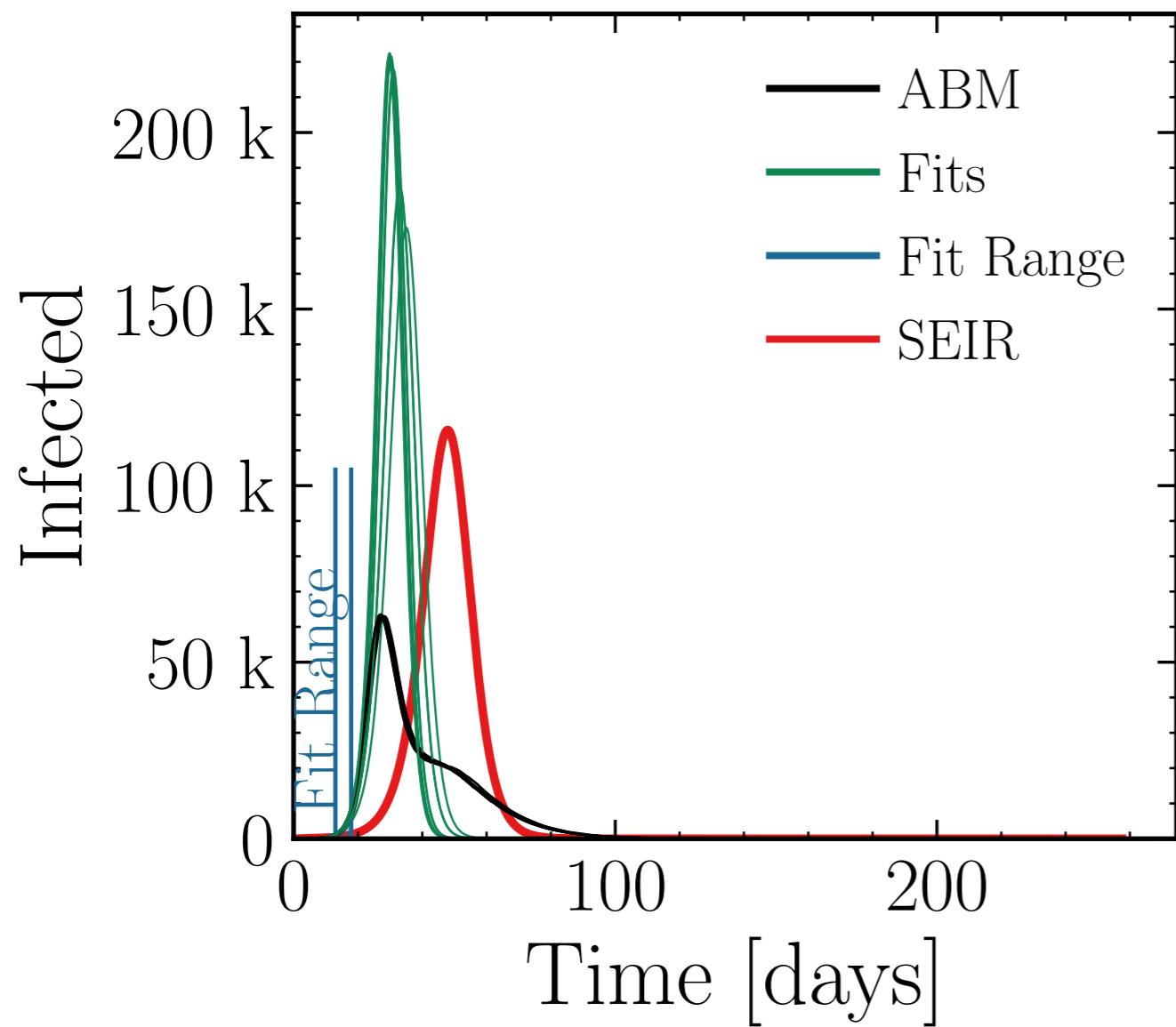
$$I_{\text{max}}^{\text{fit}} = (208 \pm 2.8\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 3.3 \pm 0.091$$

$$\text{v.} = 1.0, \text{hash} = 7fe6d5a83e, \#10$$

$$R_{\infty}^{\text{fit}} = (579.1 \pm 0.063\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.643 \pm 0.0011$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 90.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , 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> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

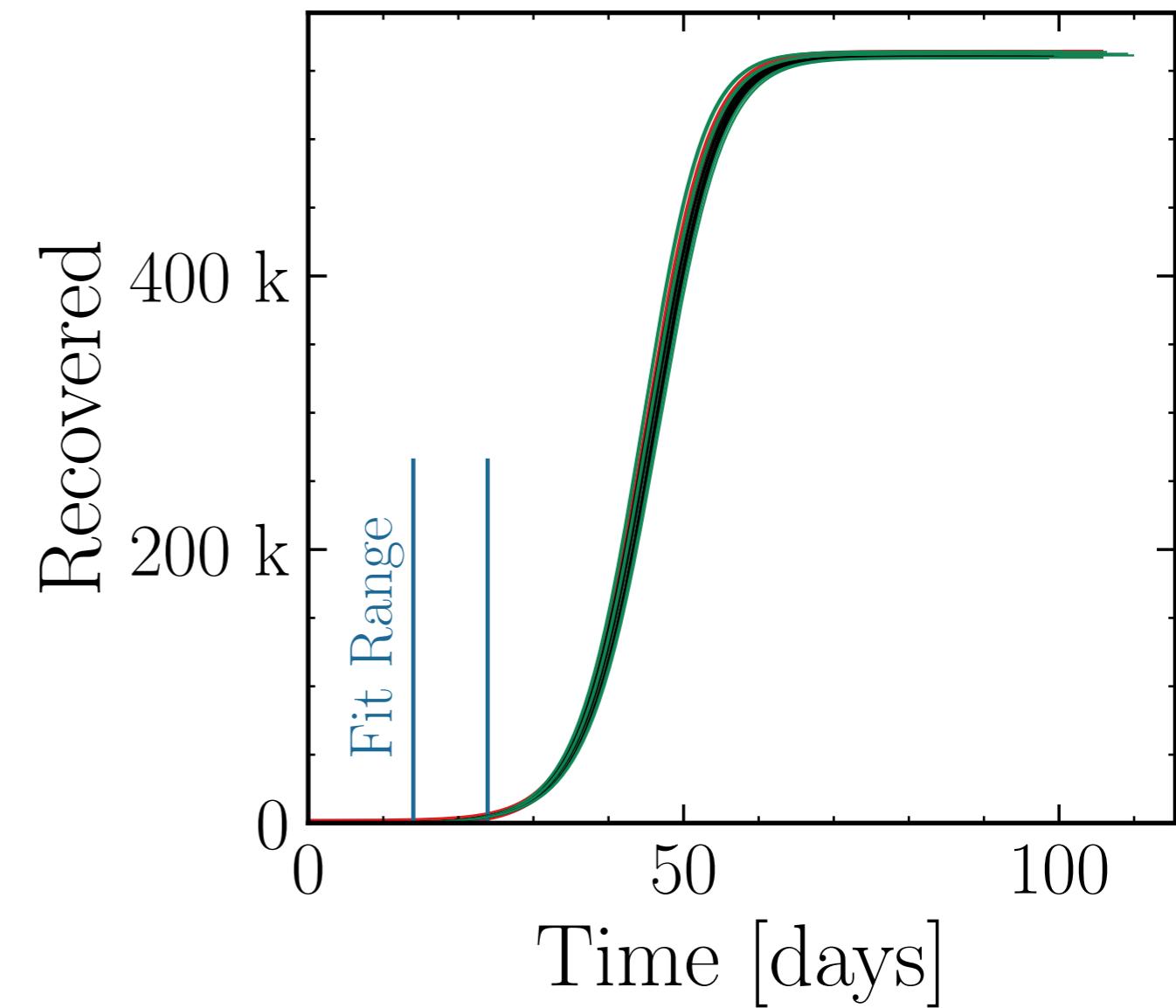
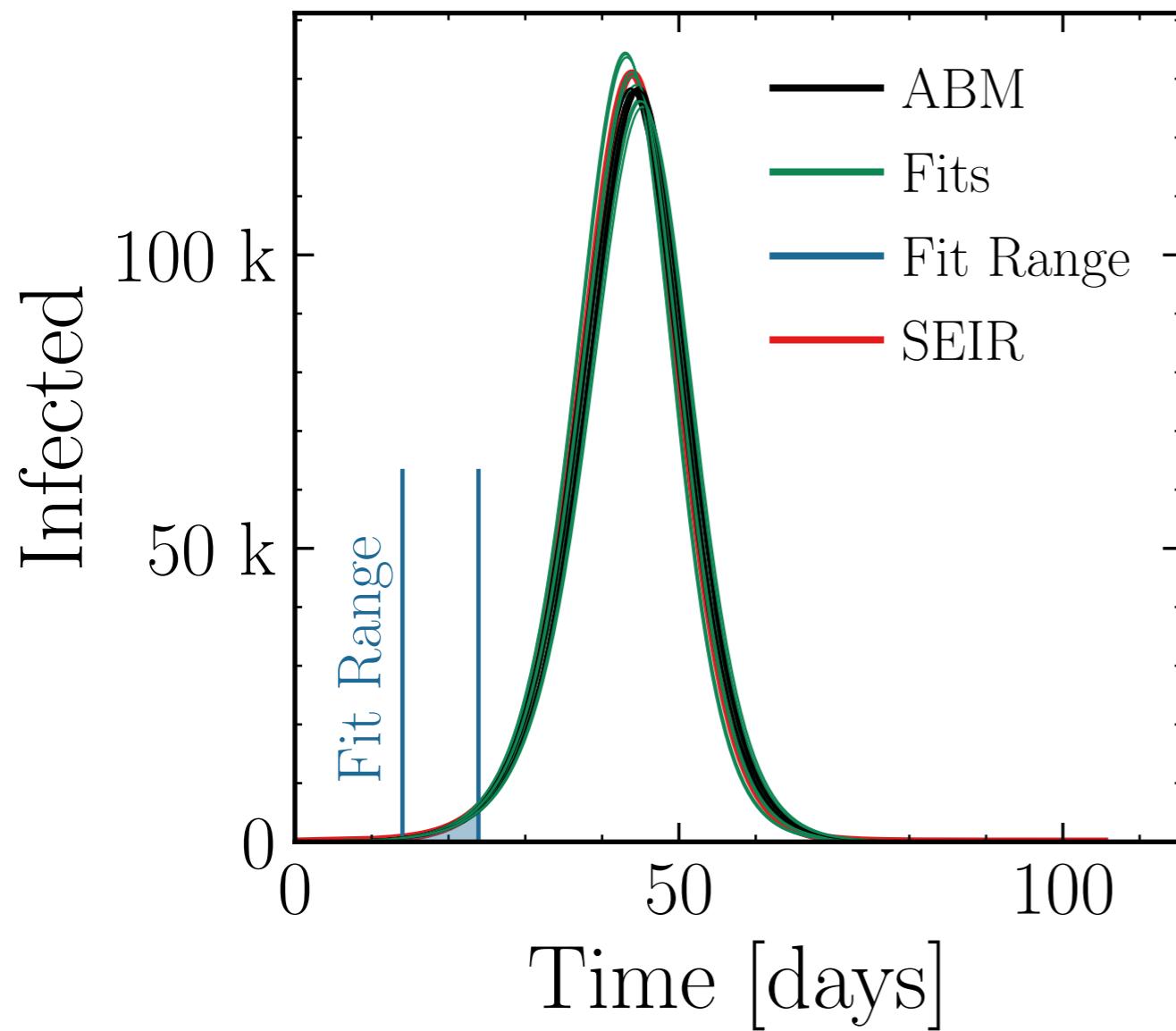
$$I_{\text{max}}^{\text{fit}} = (130 \pm 0.83\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1.011 \pm 0.0085$$

v. = 1.0, hash = d846da6fc1, #10

$$R_{\infty}^{\text{fit}} = (561.6 \pm 0.11\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.002 \pm 0.0010$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 100.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

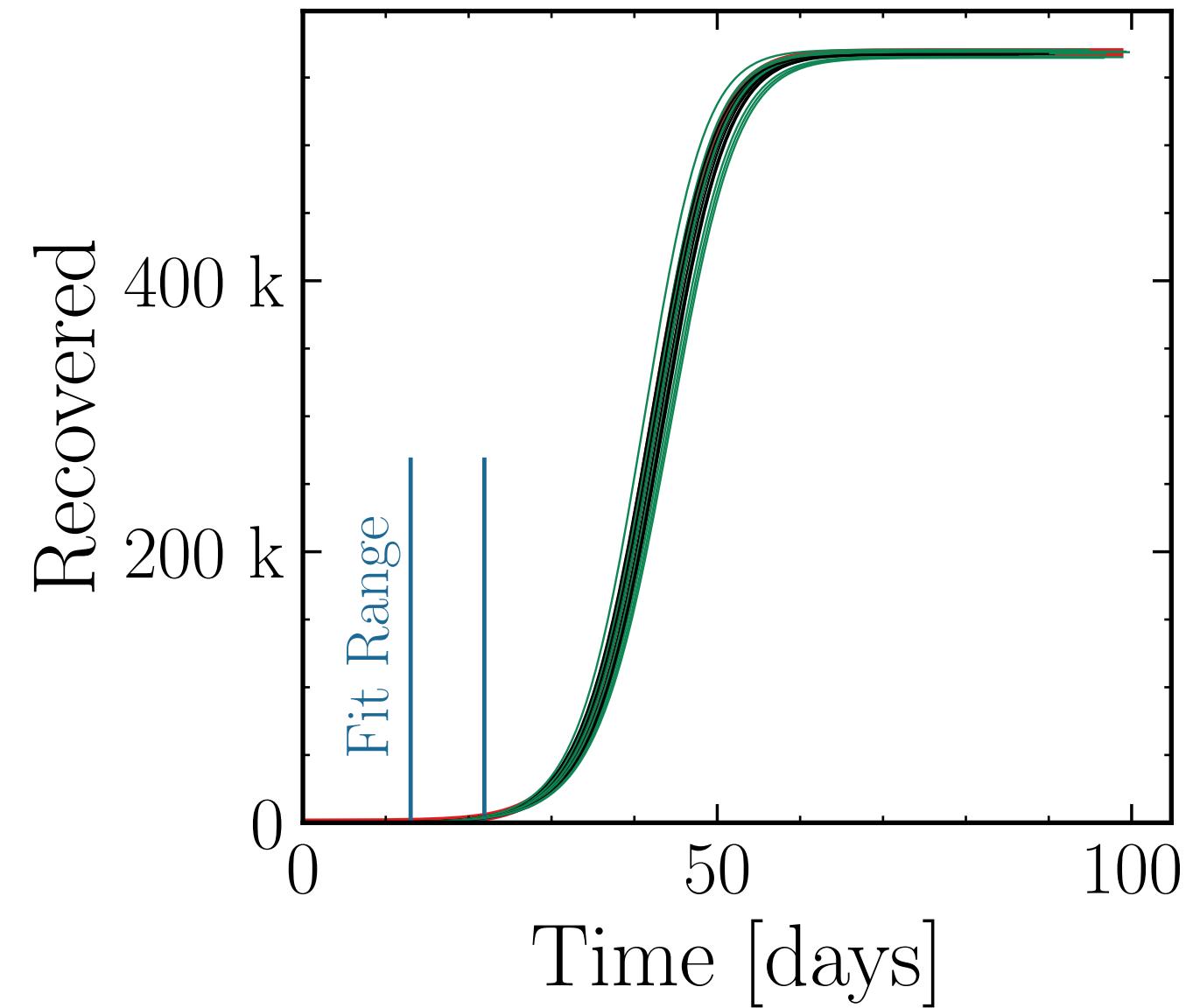
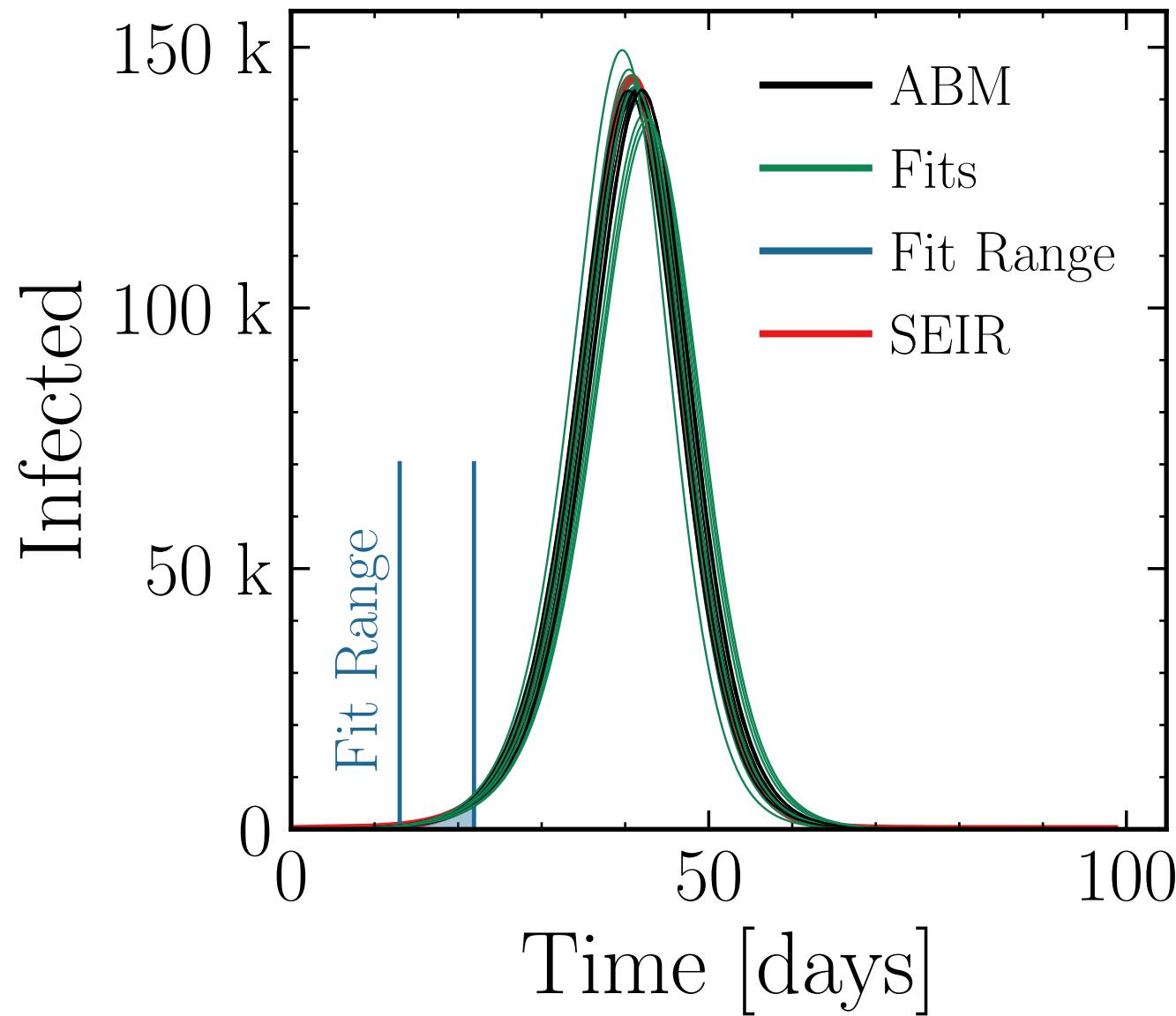
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{connect}} = 0$

$N_{\text{events}} = 0$ , event<sub>size<sub>max</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{max}}^{\text{fit}} = (142 \pm 0.96\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{ABM}}^{\text{ABM}}} = 0.999 \pm 0.010 \quad v. = 1.0, \text{hash} = 7792e2fa8f\#\#10, R_{\infty}^{\text{fit}} = (567.4 \pm 0.1\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1 \pm 0.0010$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 90.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , 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> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

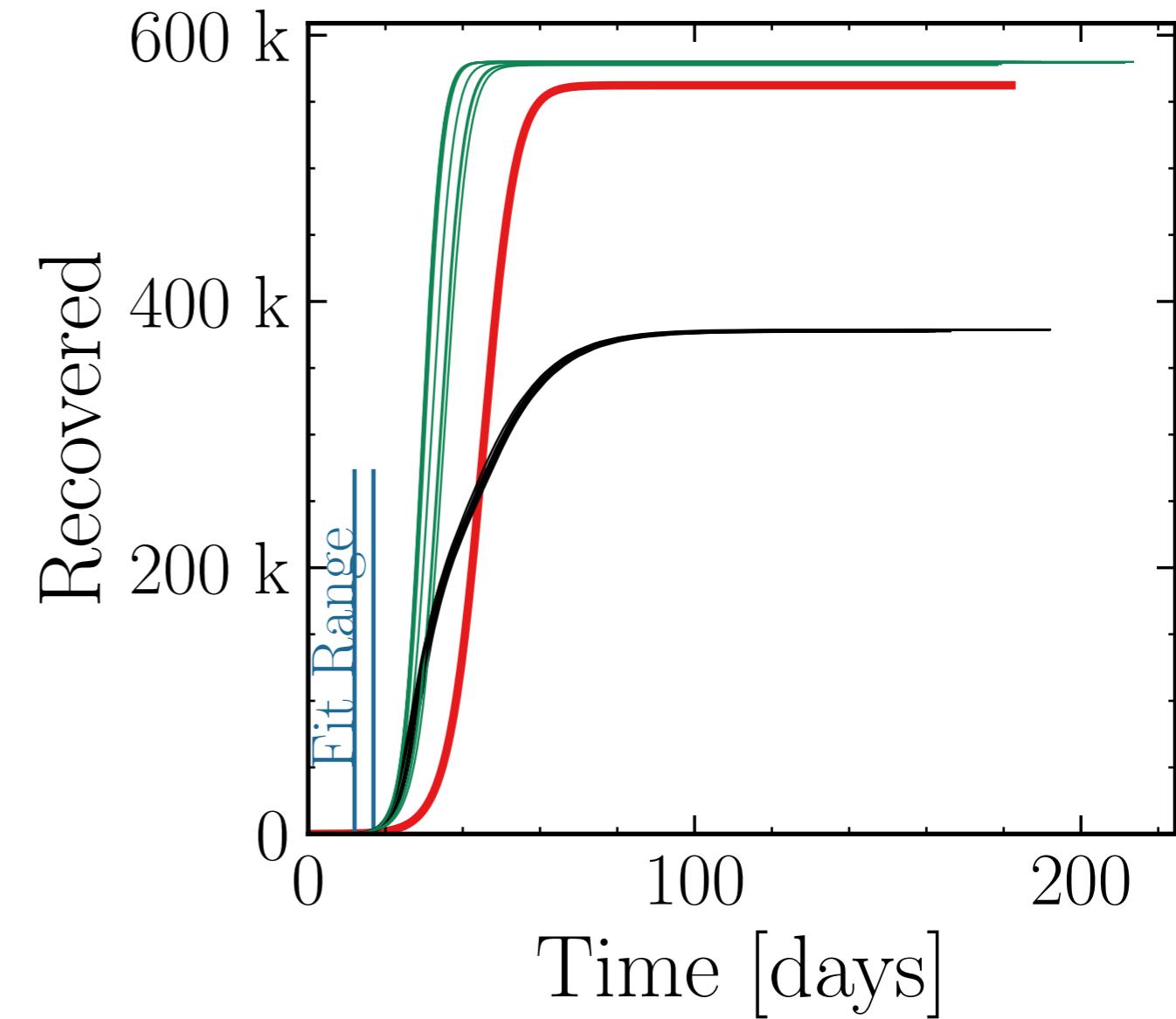
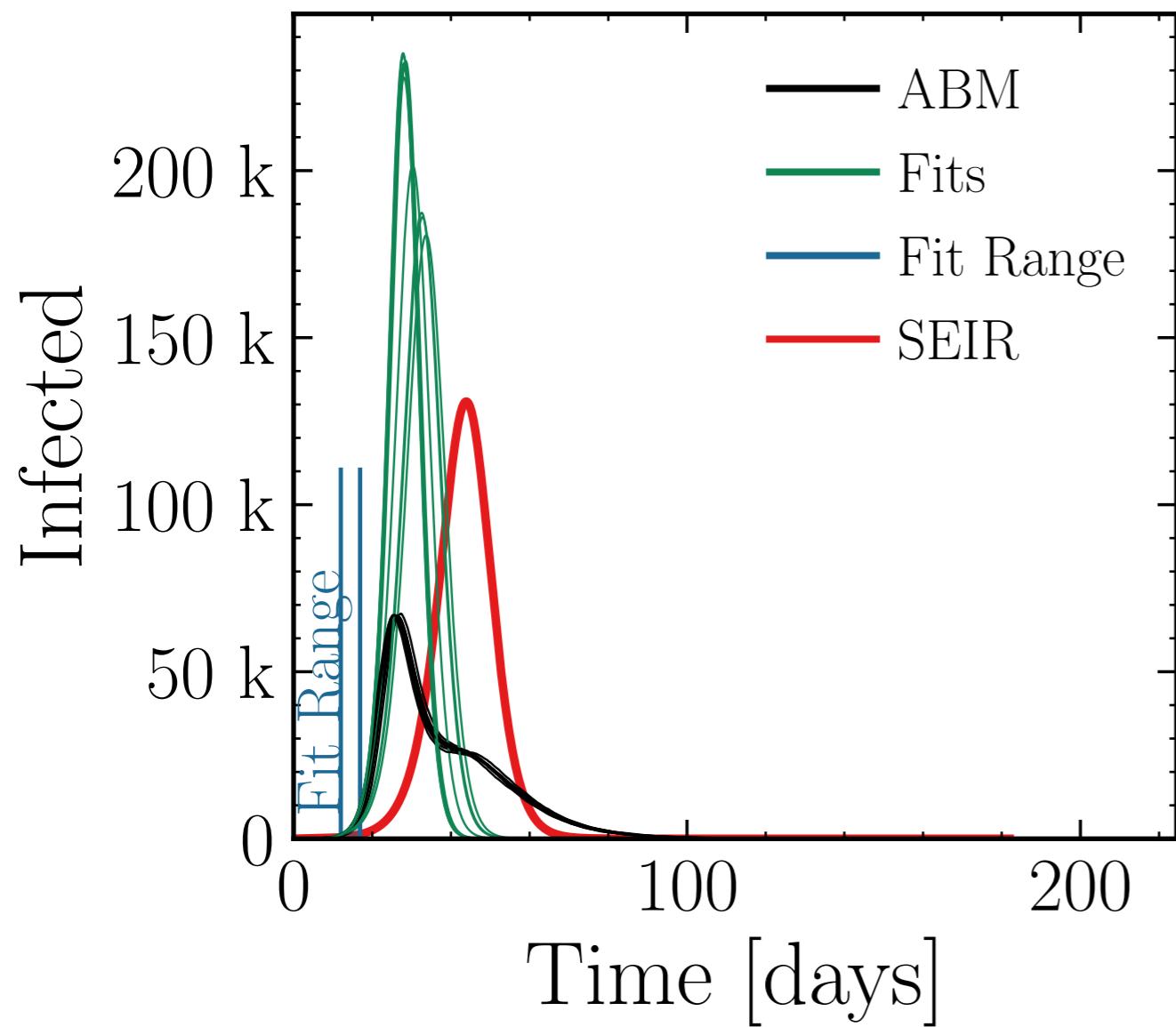
$$I_{\text{max}}^{\text{fit}} = (215 \pm 3.2\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 3.2 \pm 0.11$$

$$\text{v.} = 1.0, \text{hash} = \text{f15a9dbf44}, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (579.3 \pm 0.049\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.532 \pm 0.0011$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 100.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , 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> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{max}}^{\text{fit}} = (214 \pm 3.1\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 3.07 \pm 0.093 \quad v. = 1.0, \text{hash} = 2843f0b89a, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (579.4 \pm 0.036\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.446 \pm 0.0011$$

