

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

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

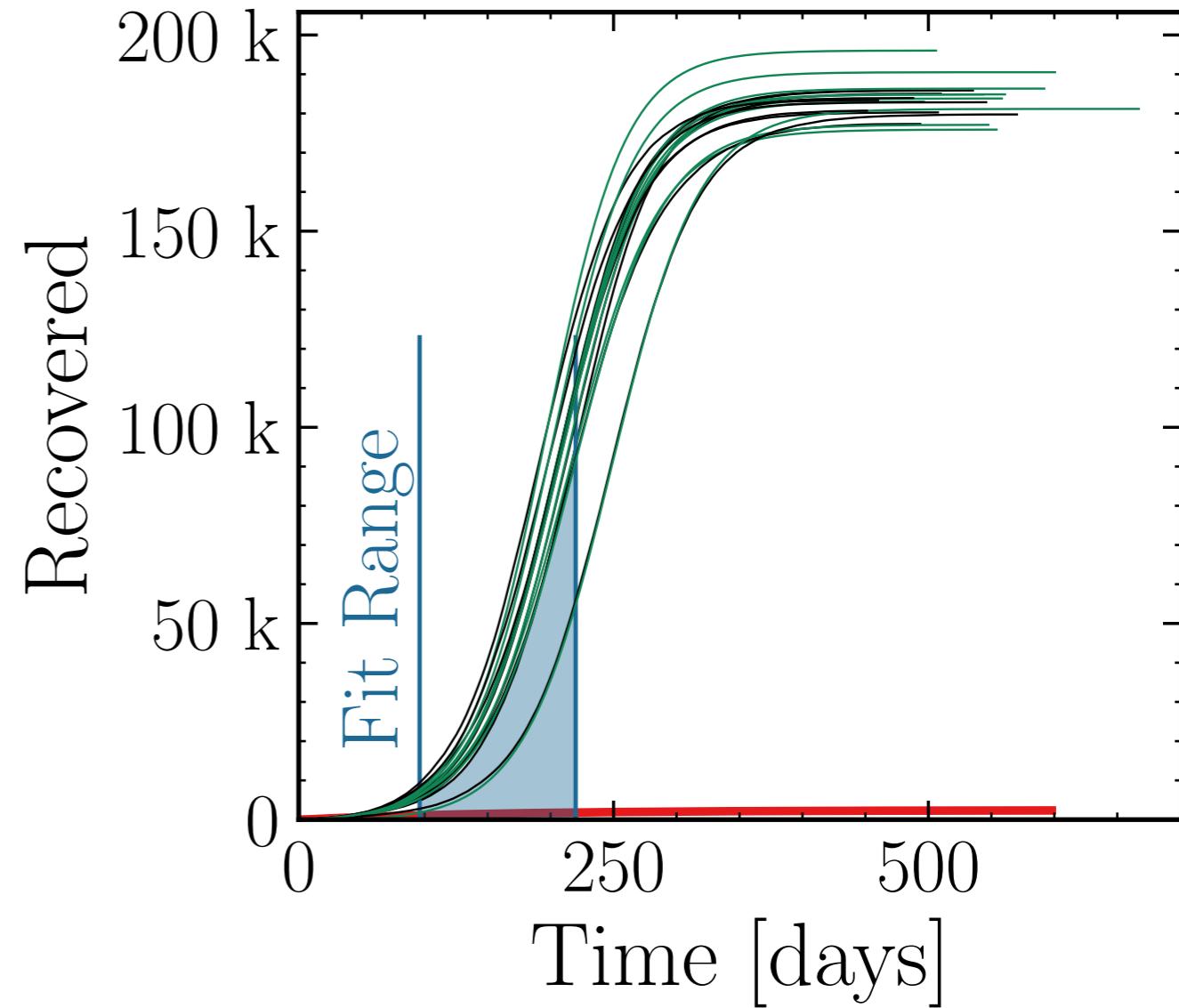
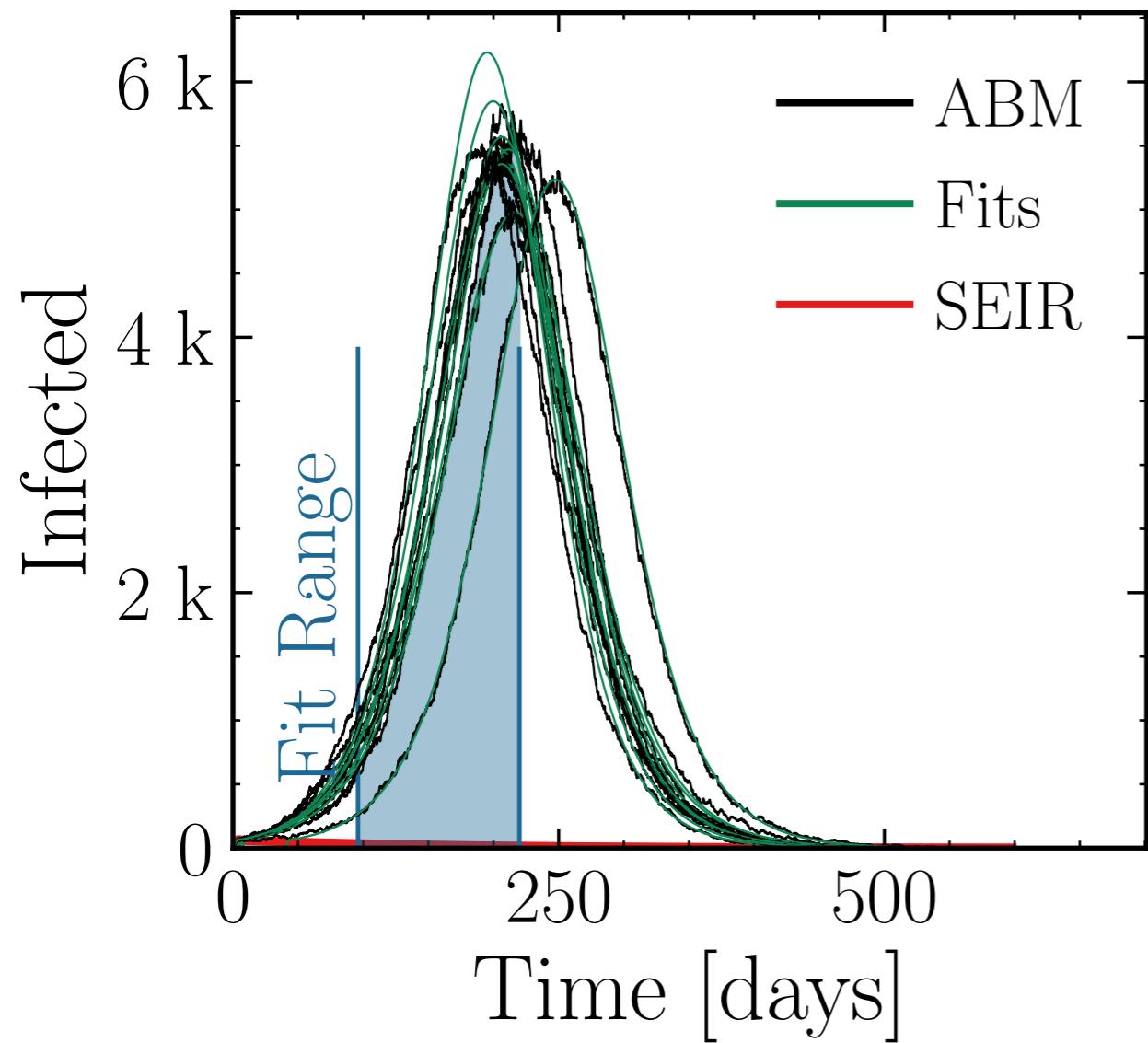
$N_{\text{events}} = 5K$, event_{size_{max}} = 50, event_{size_{mean}} = 50.0, event _{β scaling} = 10.0, event_{weekendmultiplier} = 1.0

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

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

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

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



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

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

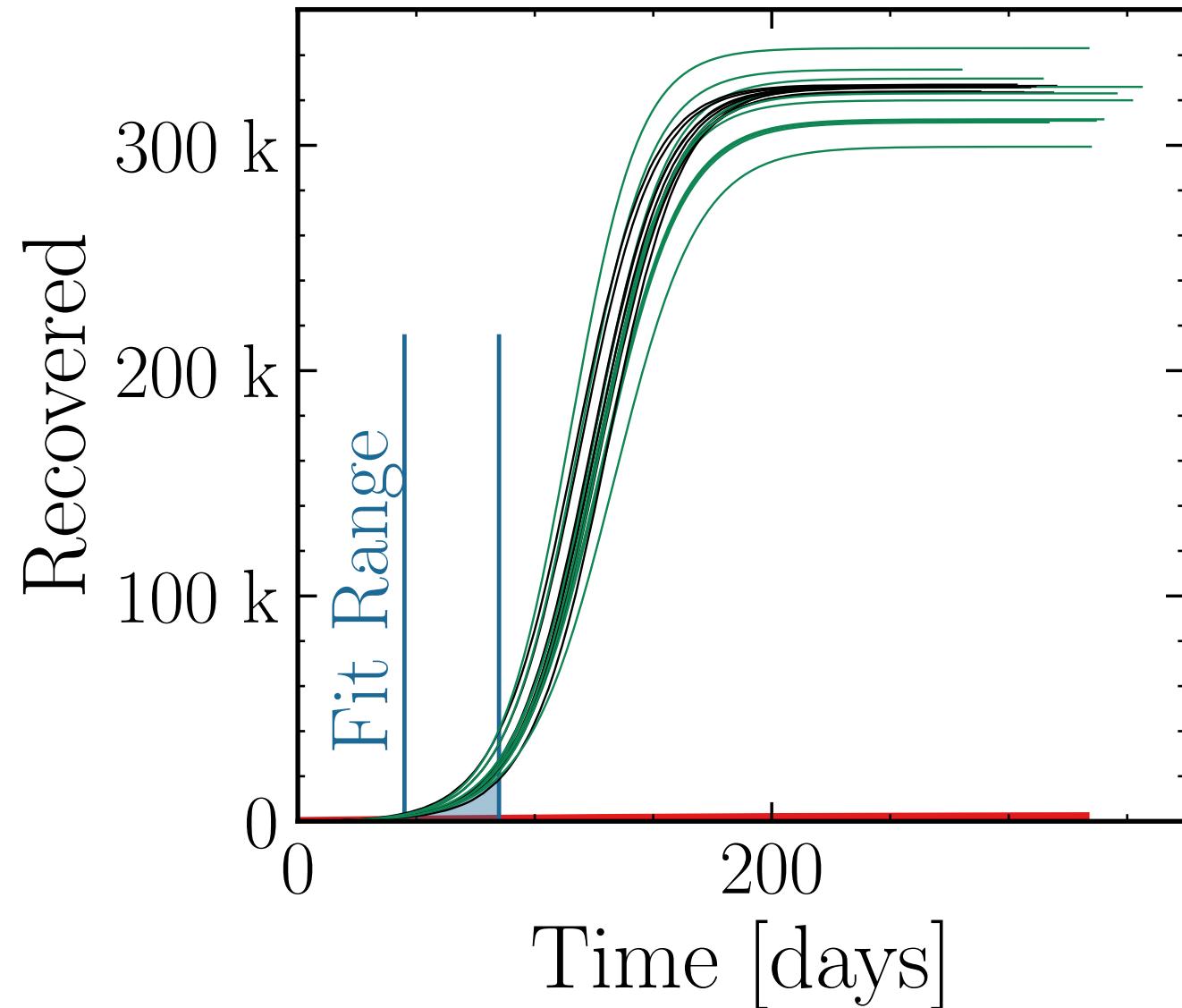
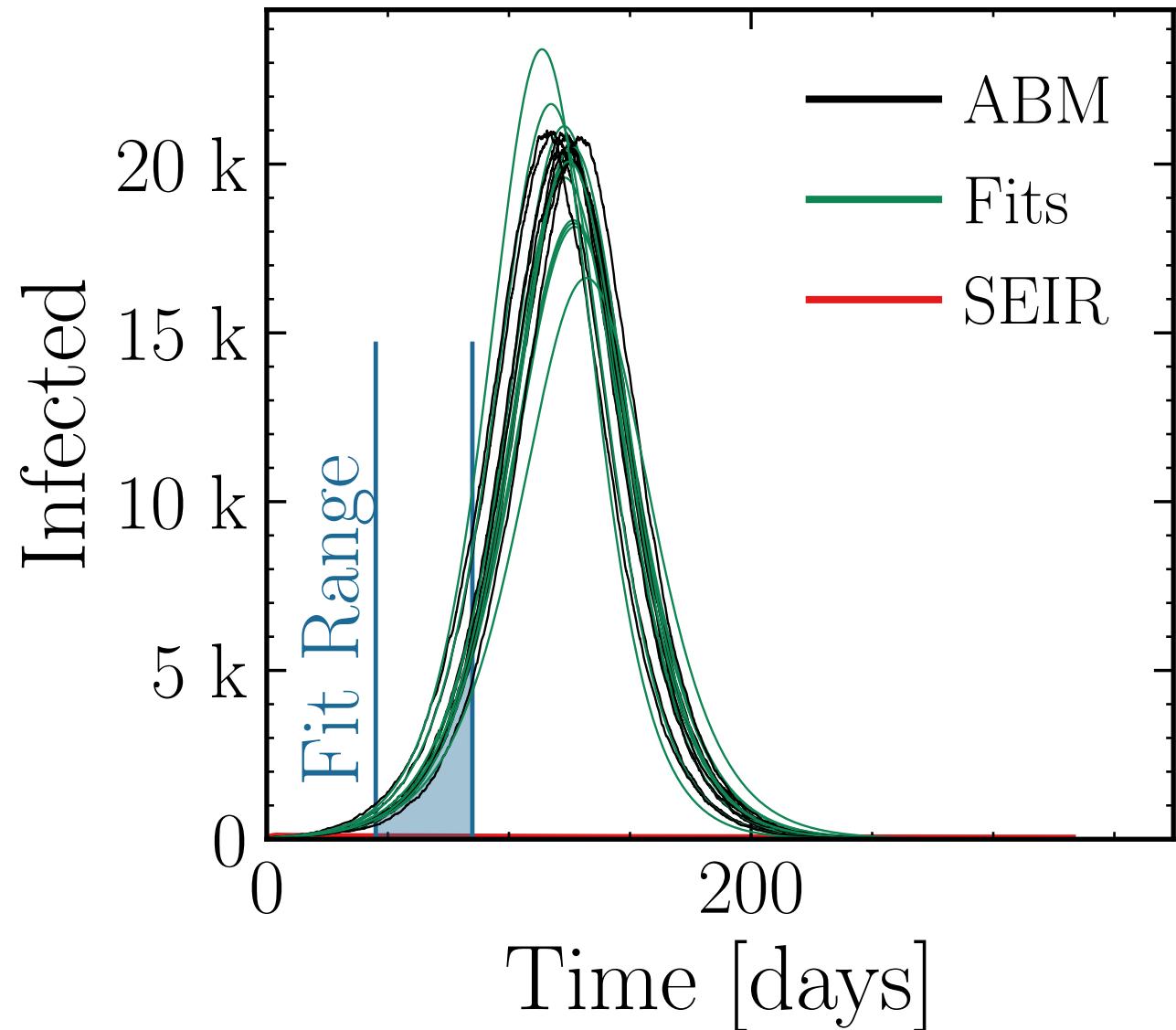
$N_{\text{events}} = 10K$, event_{size_{max}} = 50, event_{size_{mean}} = 50.0, event _{β scaling} = 10.0, event_{weekendmultiplier} = 1.0

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

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

$$\text{v.} = 1.0, \text{hash} = 42cf0cb221 \#10$$

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



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

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

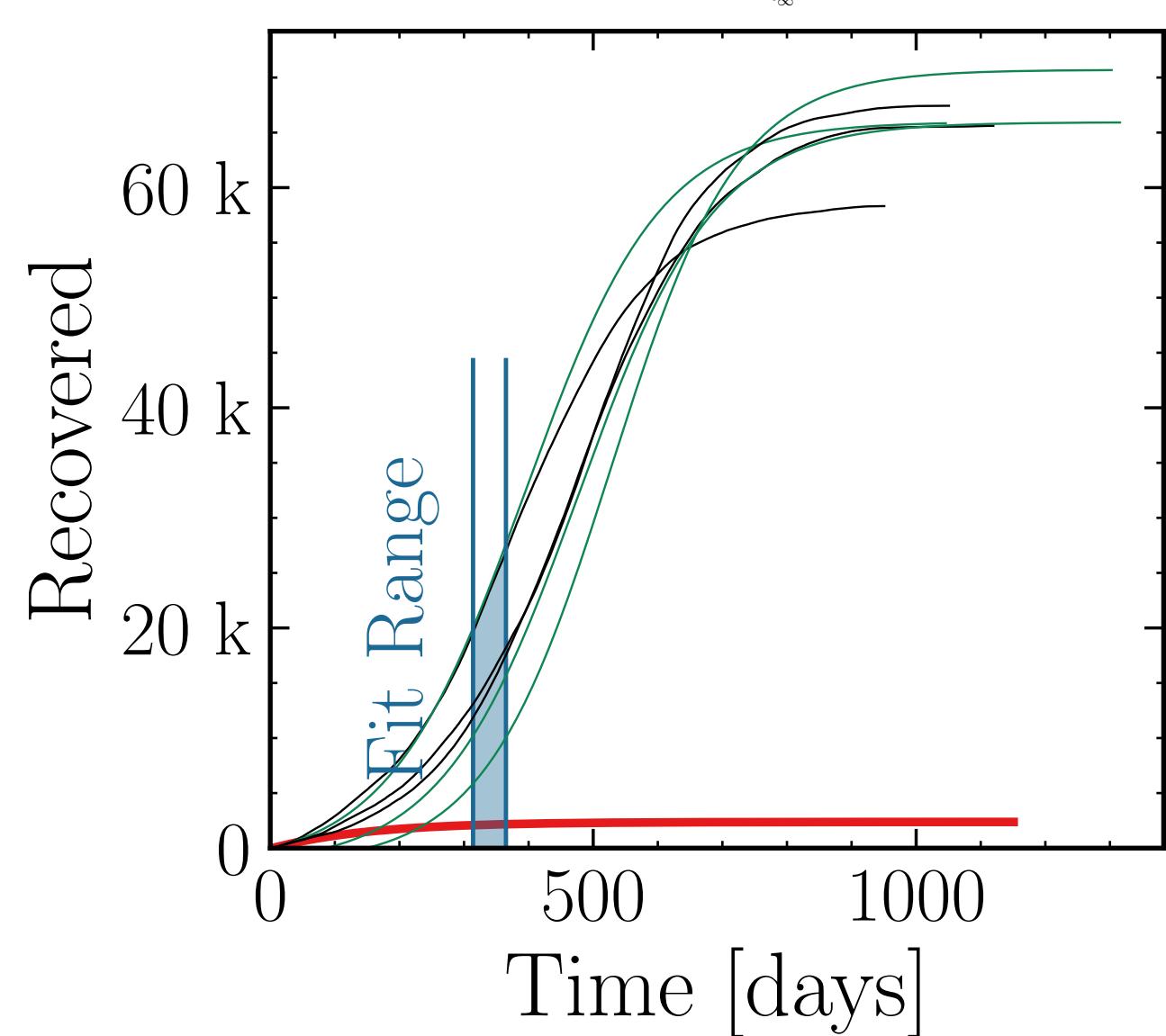
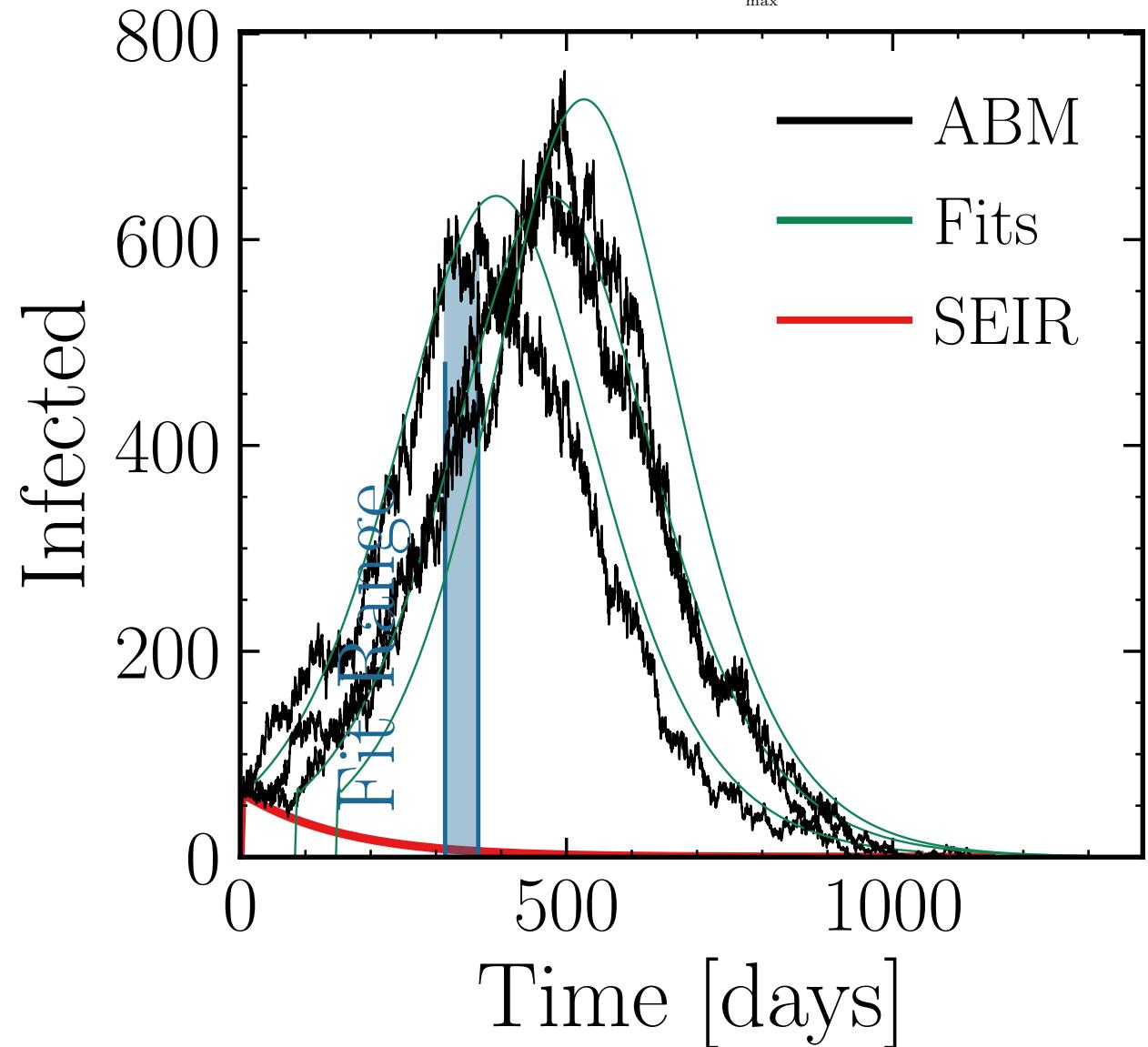
$N_{\text{events}} = 10K$, event_{size_{max}} = 20, event_{size_{mean}} = 50.0, event _{β} scaling = 10.0, event_{weekendmultiplier} = 1.0

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

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

$$\text{v.} = 1.0, \text{hash} = 5ce71b83e9\#3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (68 \pm 1.9\%) \cdot 10^3$$



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

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

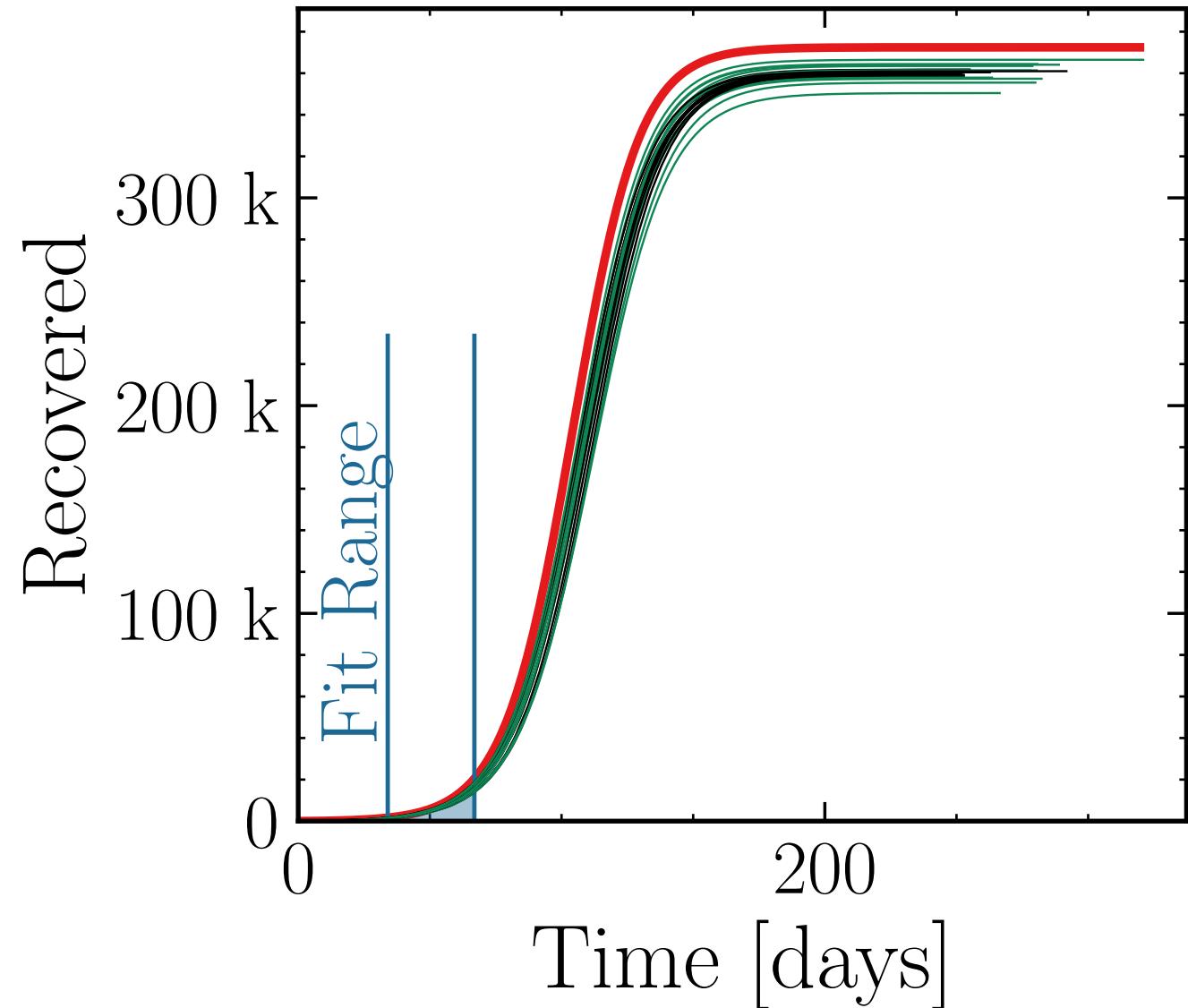
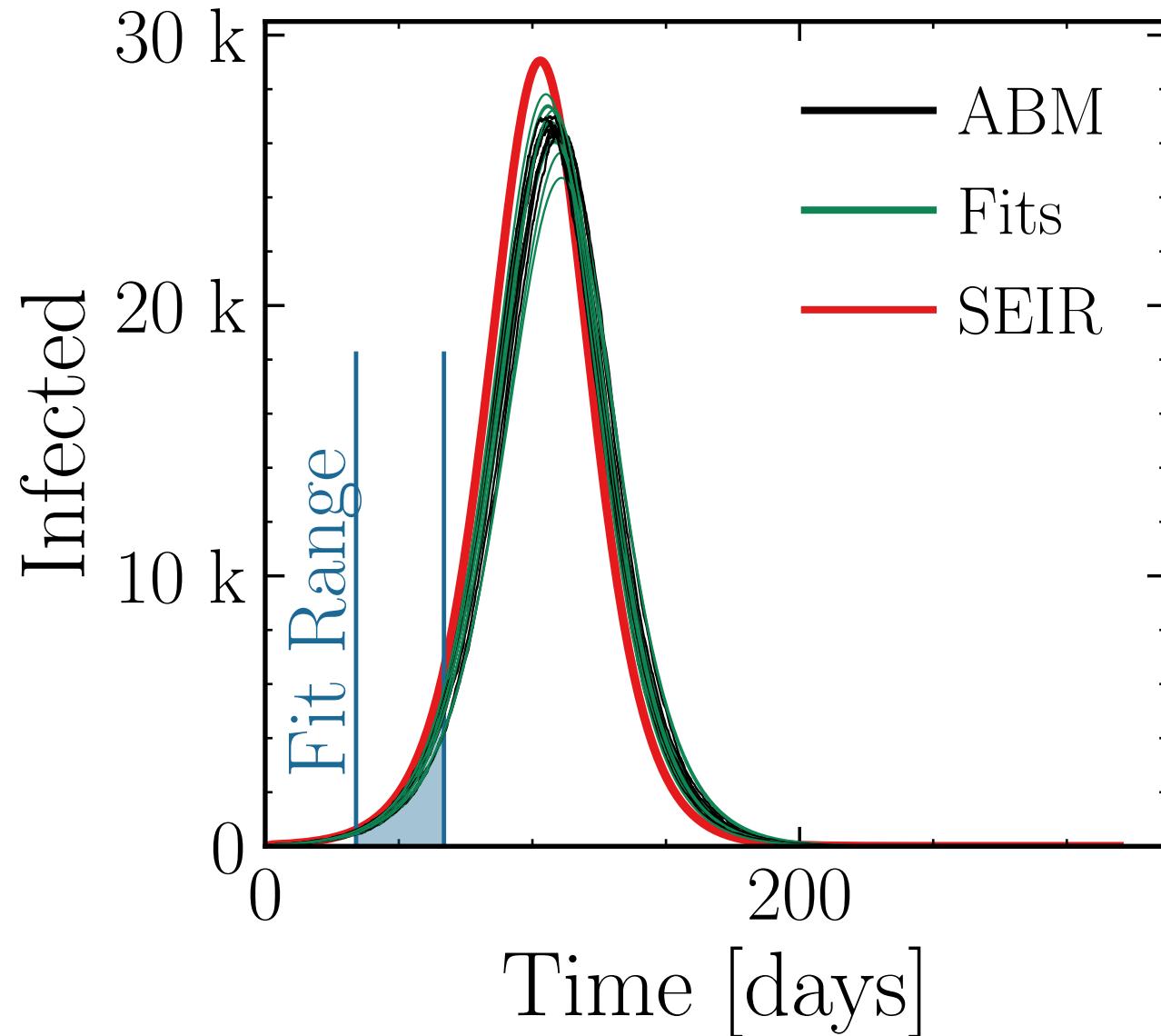
$N_{\text{events}} = 1$, event_{size_{max}} = 1, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

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

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 0.995 \pm 0.010 \quad v. = 1.0, \text{hash} = 904a61ffc2 \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (360 \pm 0.41\%) \cdot 10^3$$

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



$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, 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_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

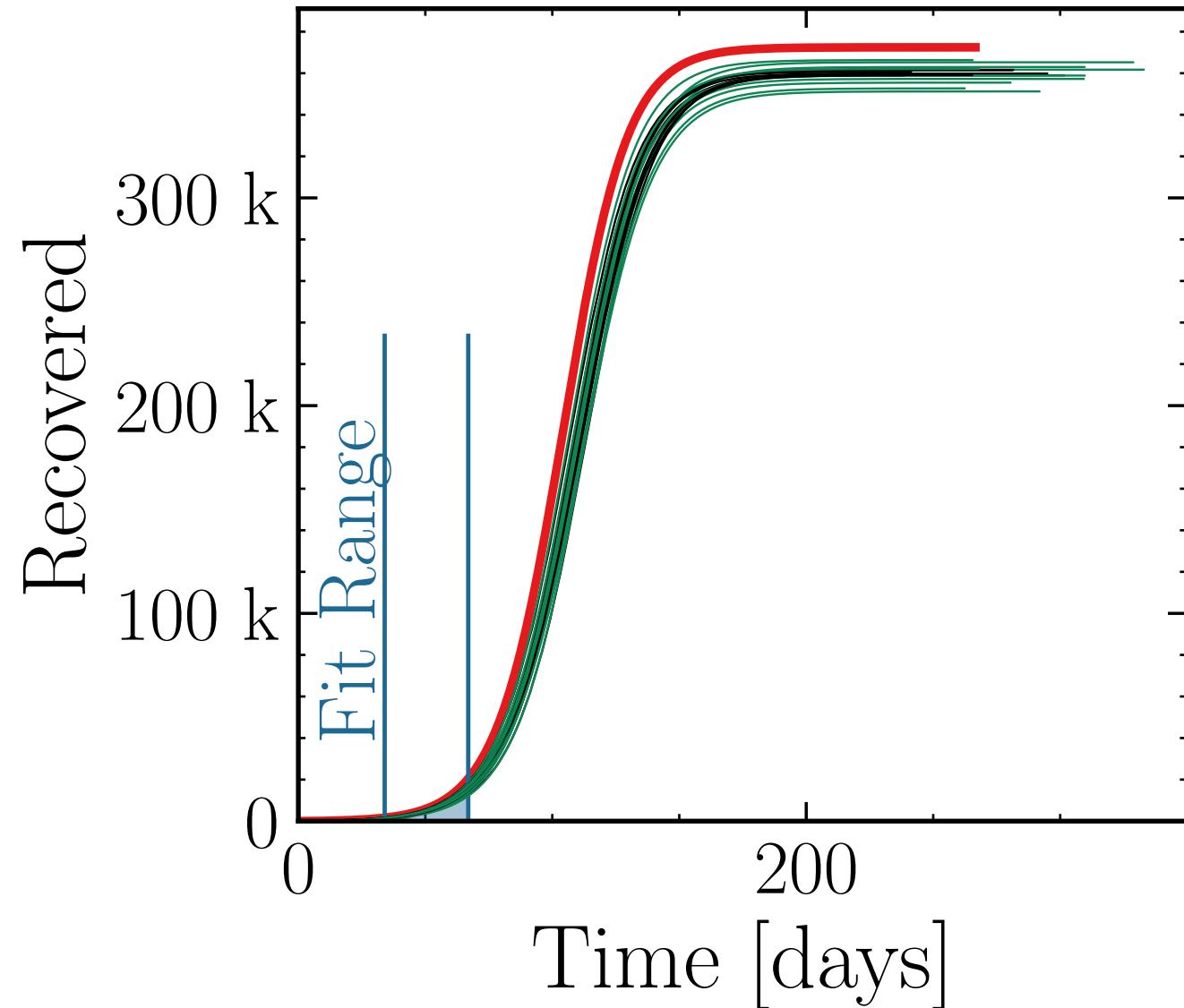
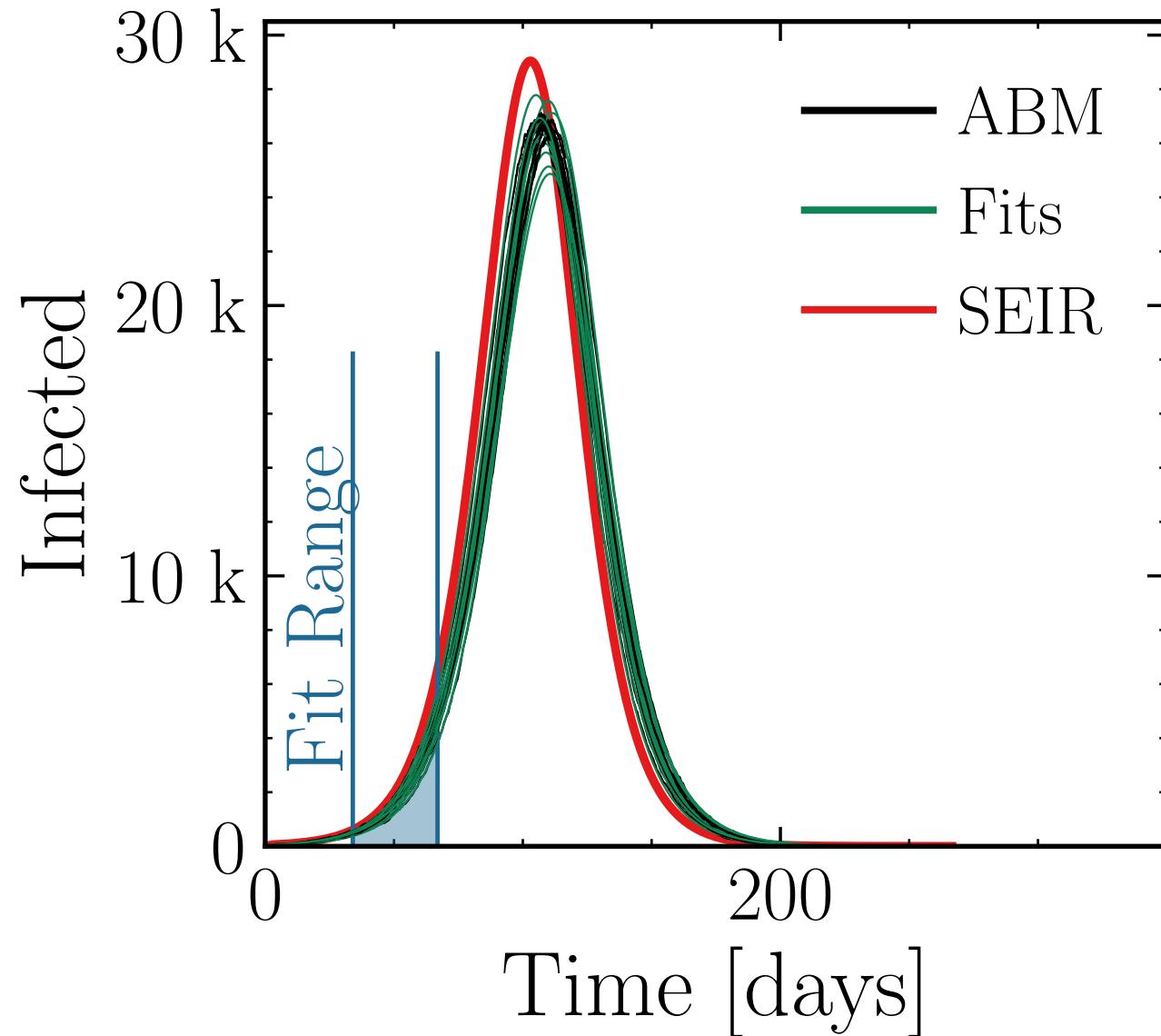
$$I_{\text{max}}^{\text{fit}} = (26.4 \pm 1.1\%) \cdot 10^3$$

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

$$\text{v.} = 1.0, \text{hash} = \text{fc236be8ec}\#10$$

$$R_{\infty}^{\text{fit}} = (359 \pm 0.44\%) \cdot 10^3$$

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



$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, 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_{size_{max}} = 2, event_{size_{mean}} = 50.0, event _{β scaling} = 10.0, event_{weekendmultiplier} = 1.0

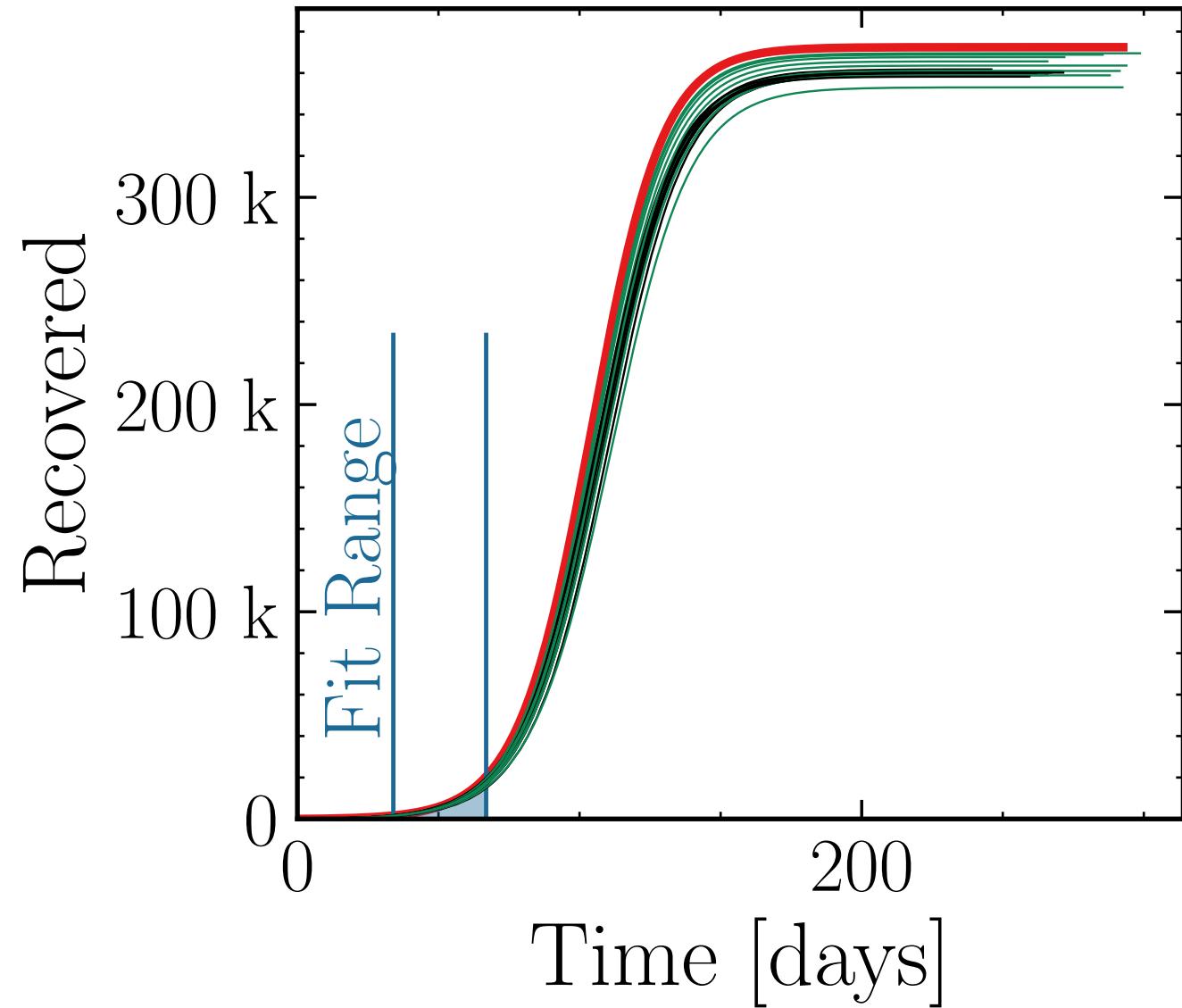
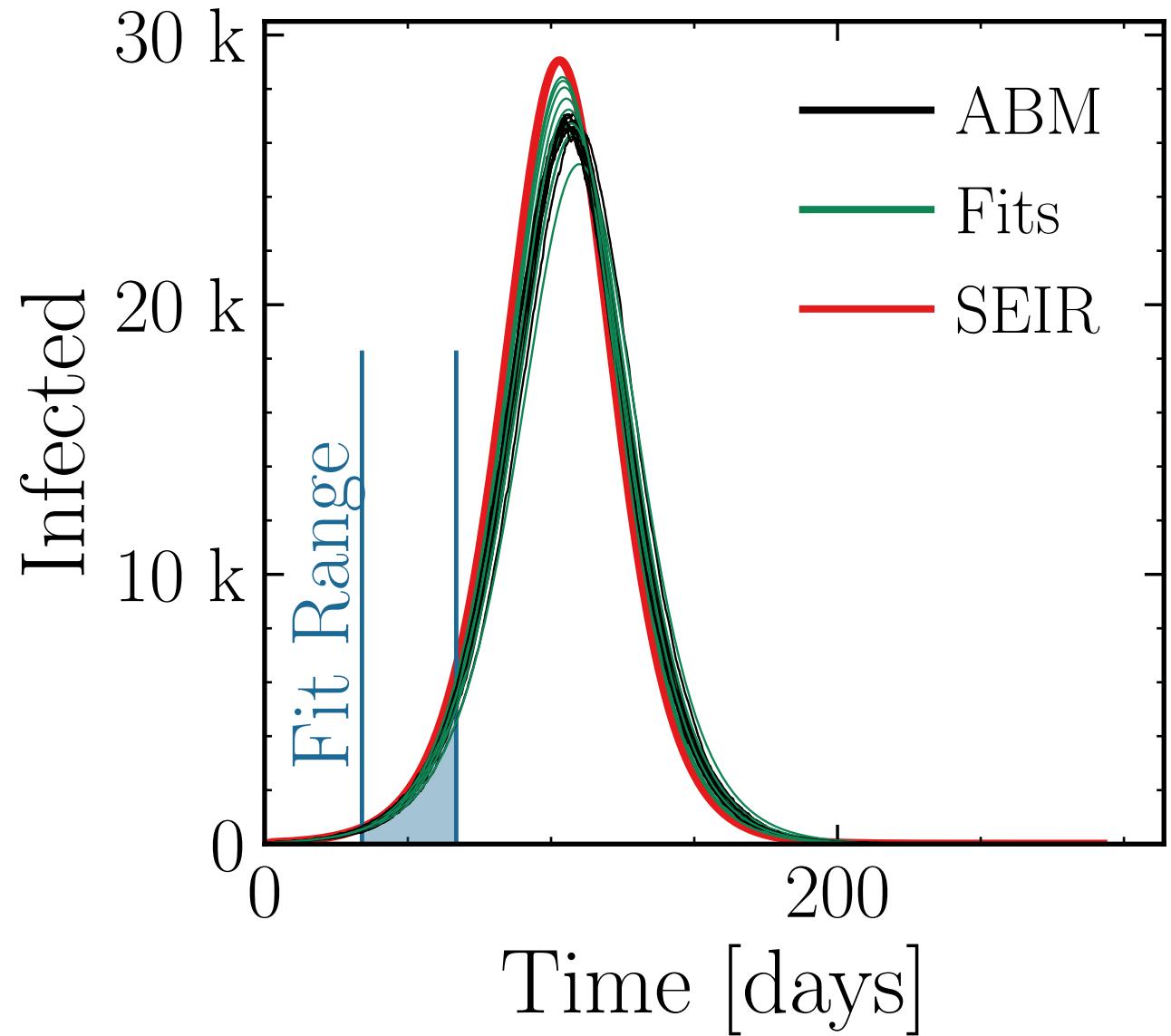
$$I_{\text{max}}^{\text{fit}} = (27.1 \pm 1.1\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{ABM}}^{\text{max}}} = 1.01 \pm 0.012$$

$$\text{v.} = 1.0, \text{hash} = 93e060fddc, \#10$$

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

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



$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, 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_{size_{max}} = 3, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

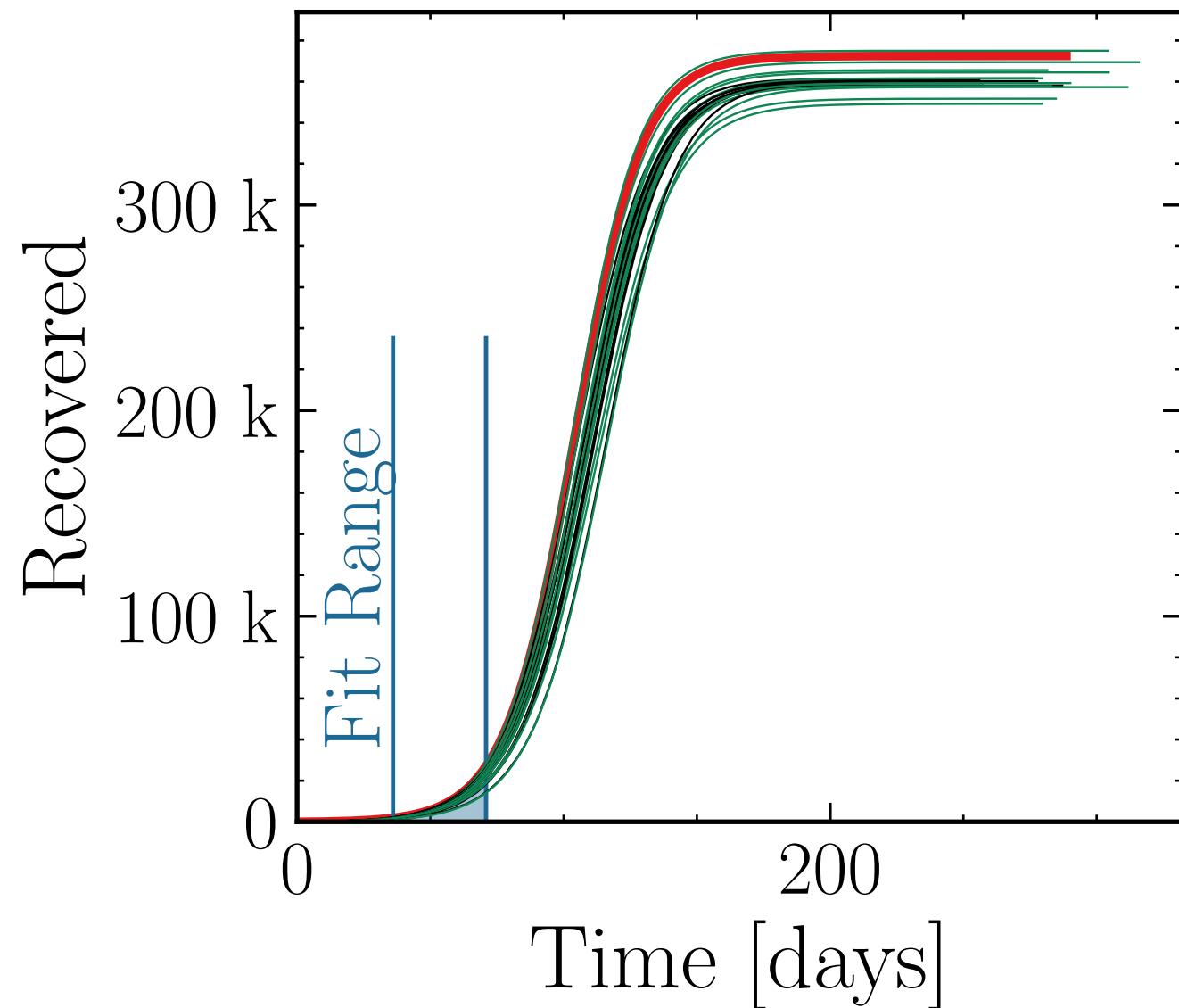
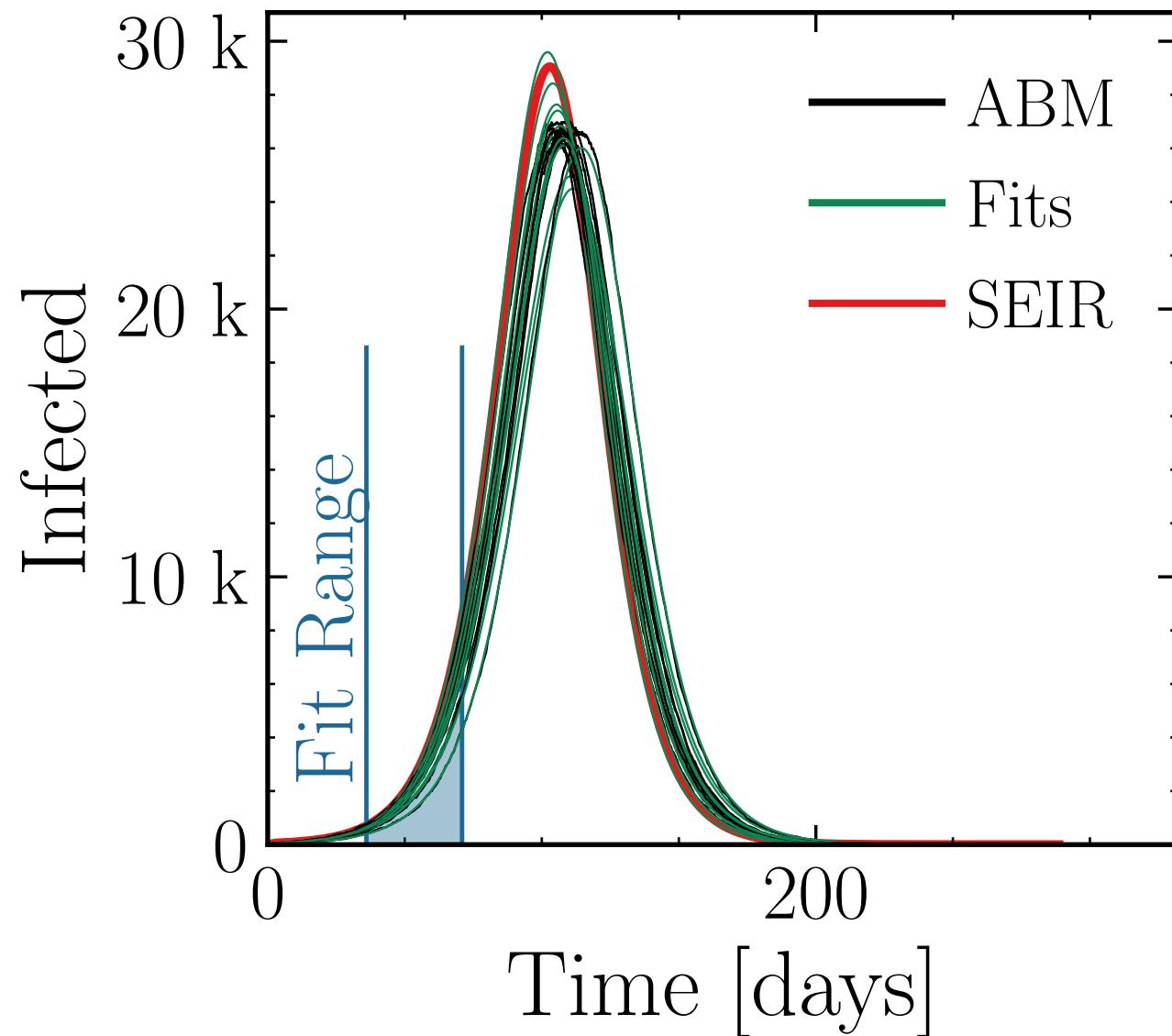
$I_{\text{max}}^{\text{fit}} = (26.8 \pm 1.7\%) \cdot 10^3$

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

v. = 1.0, 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, $N_{\text{retries}}^{\text{connect}} = 0$

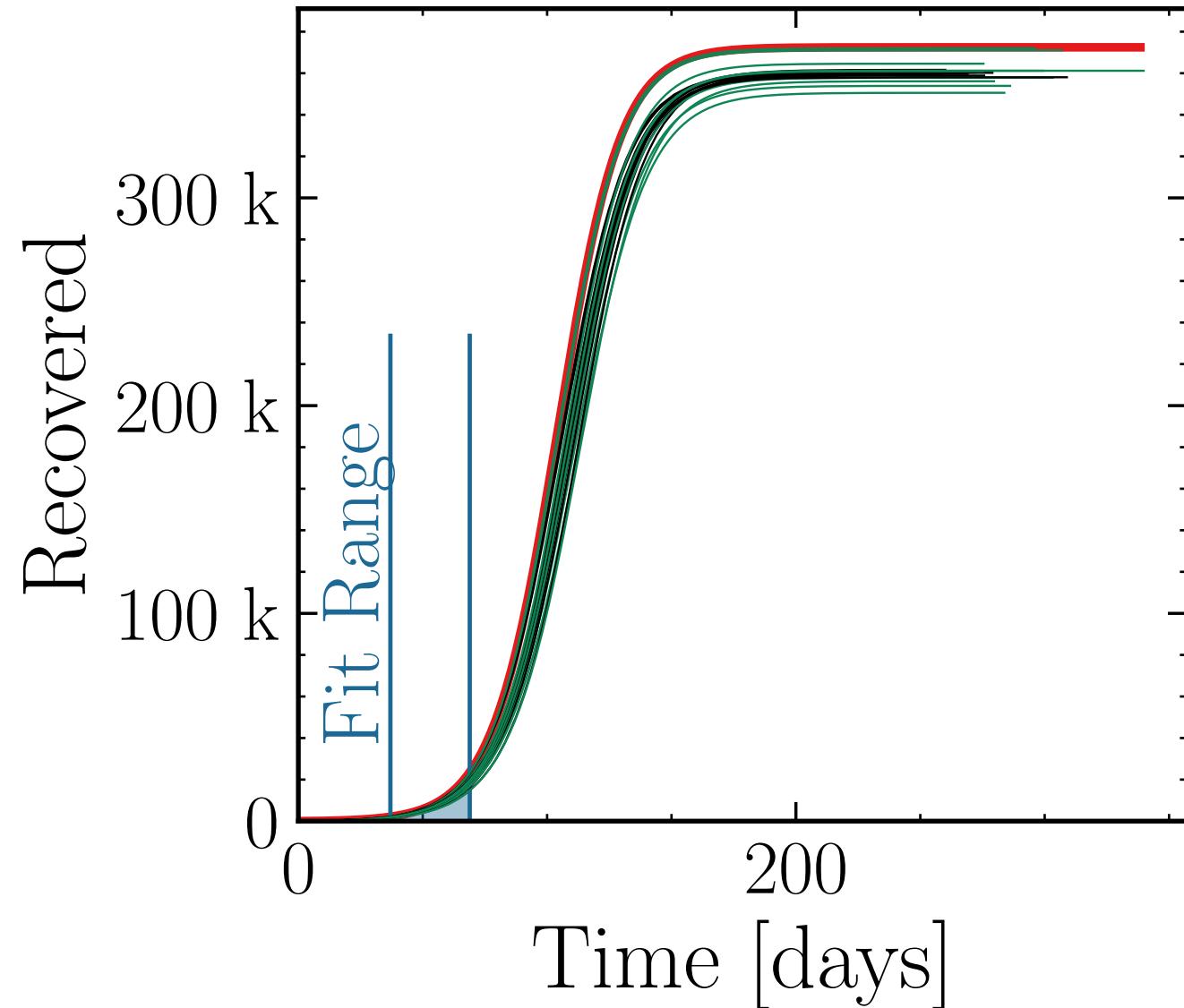
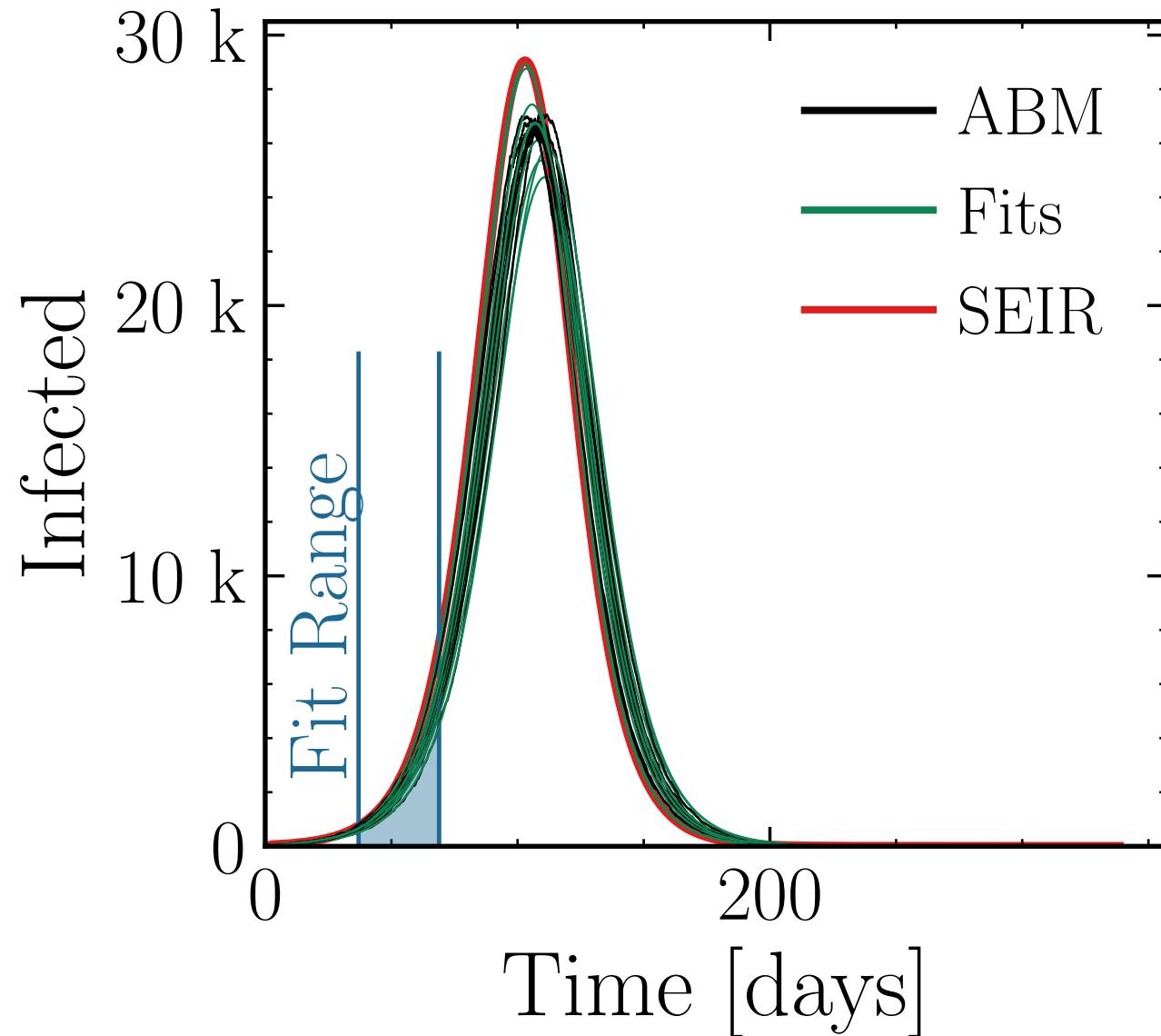
$N_{\text{events}} = 1$, event_{size_{max}} = 4, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

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

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

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

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



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

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

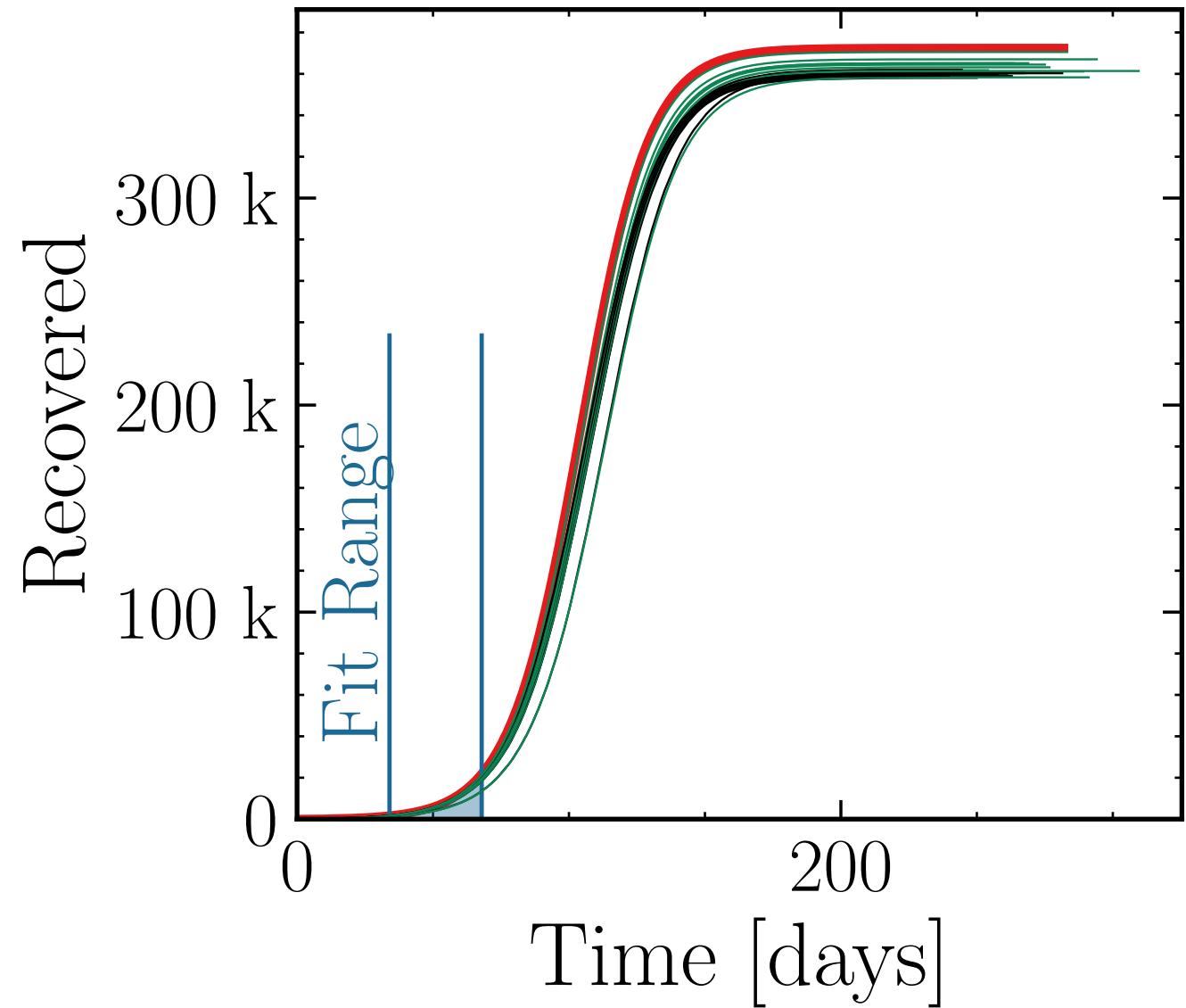
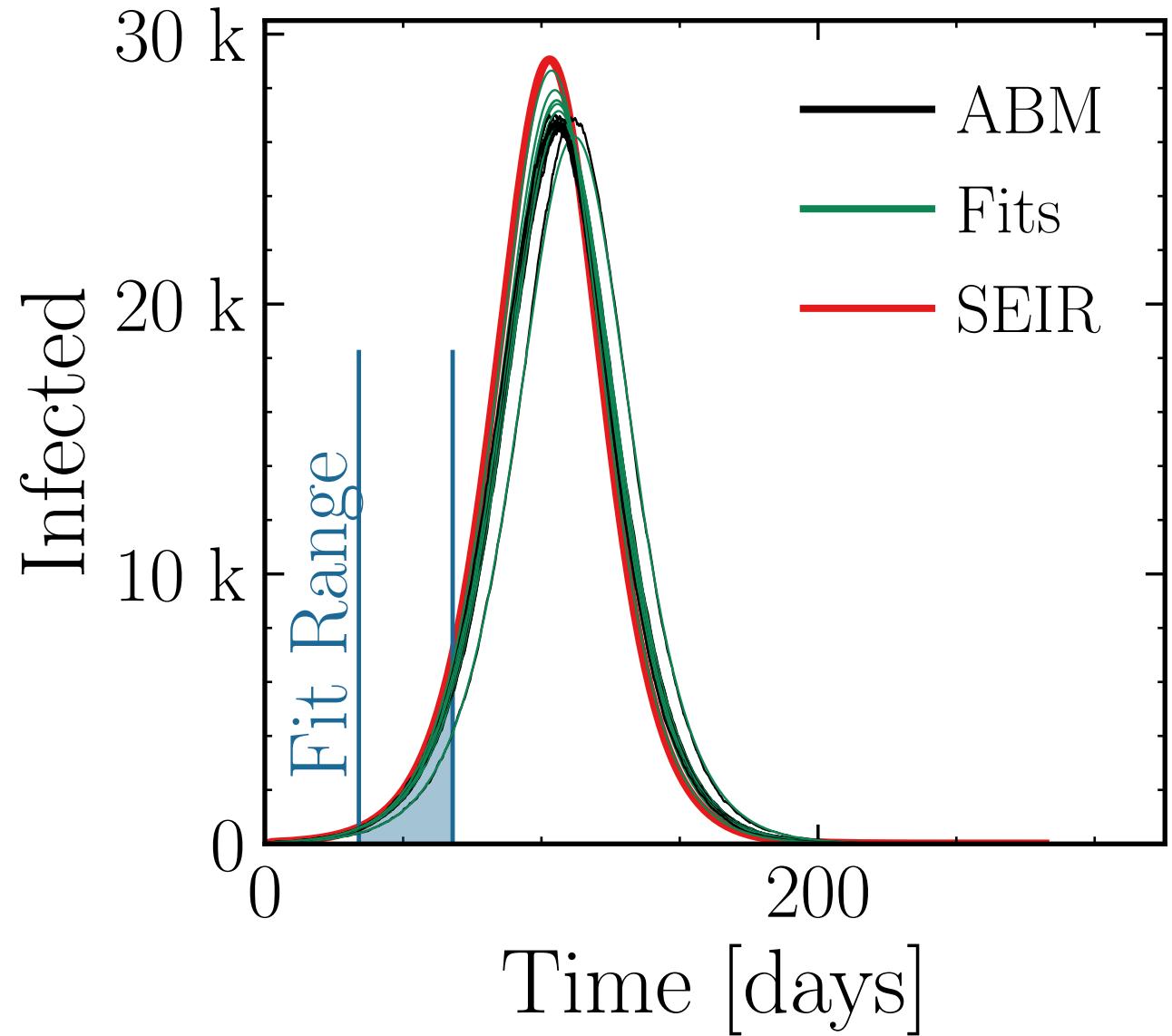
$N_{\text{events}} = 1$, event_{size_{max}} = 5, event_{size_{mean}} = 50.0, event _{β scaling} = 10.0, event_{weekendmultiplier} = 1.0

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

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

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

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



$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, 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_{size_{max}} = 10, event_{size_{mean}} = 50.0, event _{β scaling} = 10.0, event_{weekendmultiplier} = 1.0

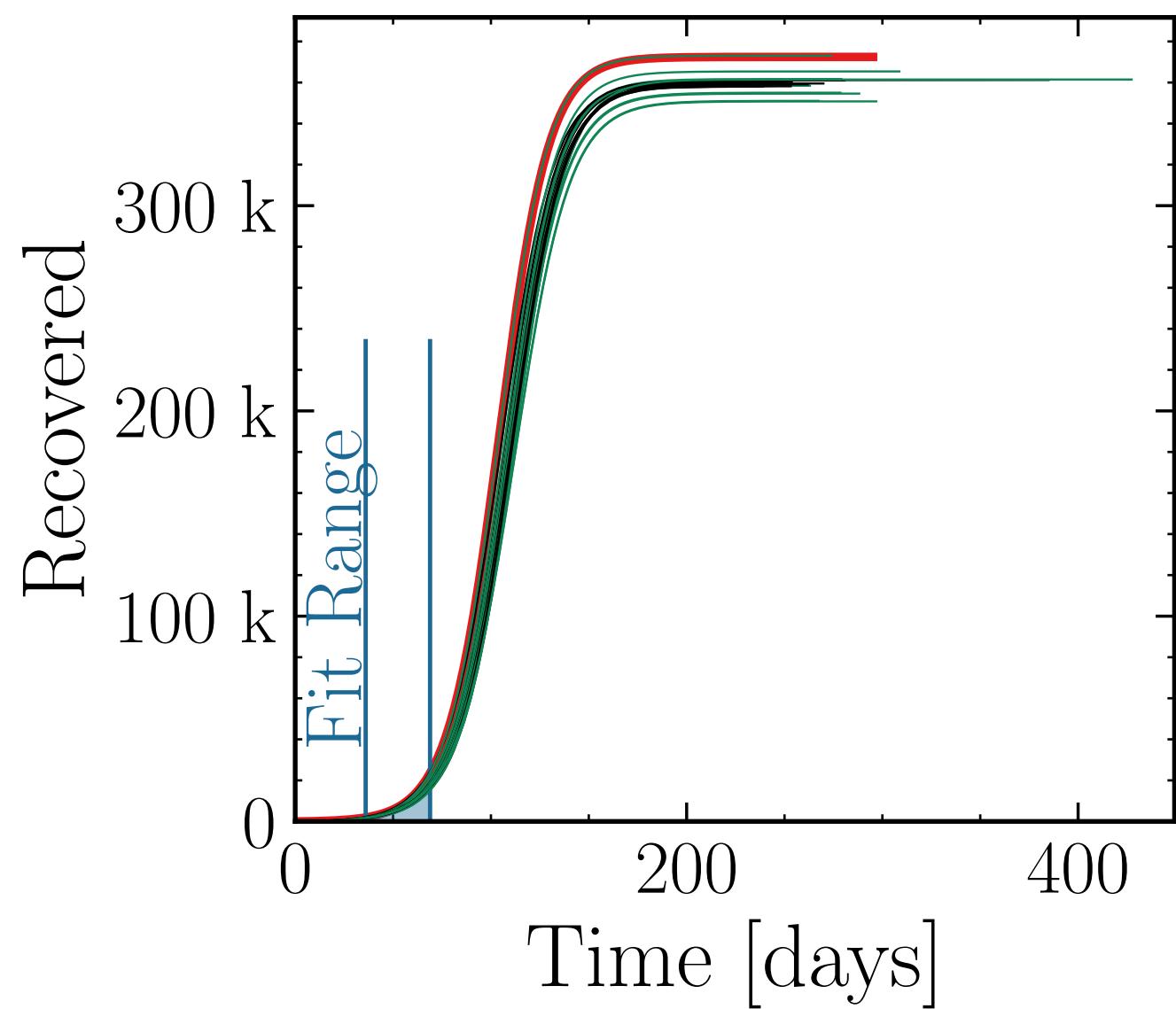
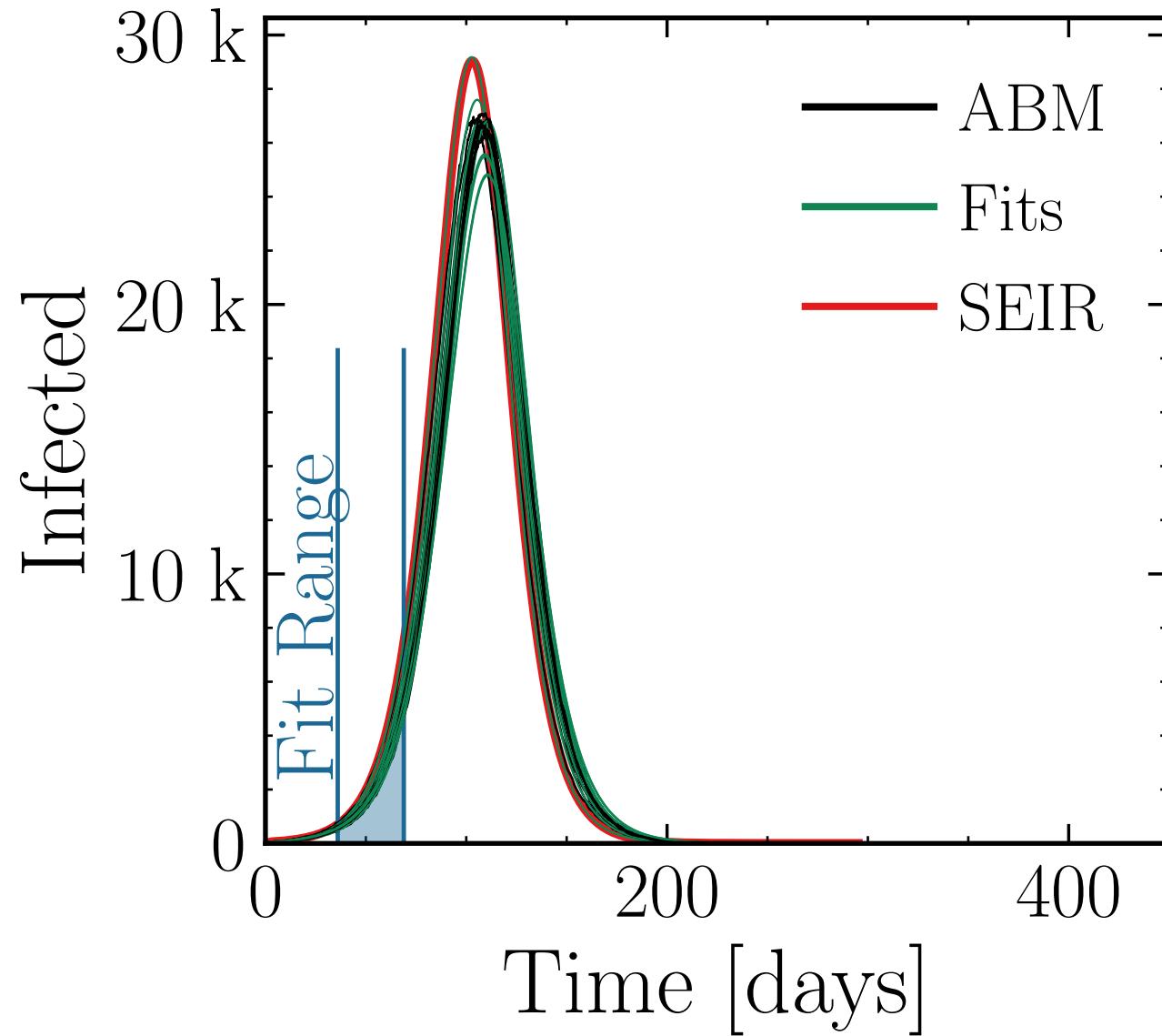
$$I_{\text{max}}^{\text{fit}} = (26.4 \pm 1.5\%) \cdot 10^3$$

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

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

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

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



$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, 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_{size_{max}} = 15, event_{size_{mean}} = 50.0, event _{β scaling} = 10.0, event_{weekendmultiplier} = 1.0

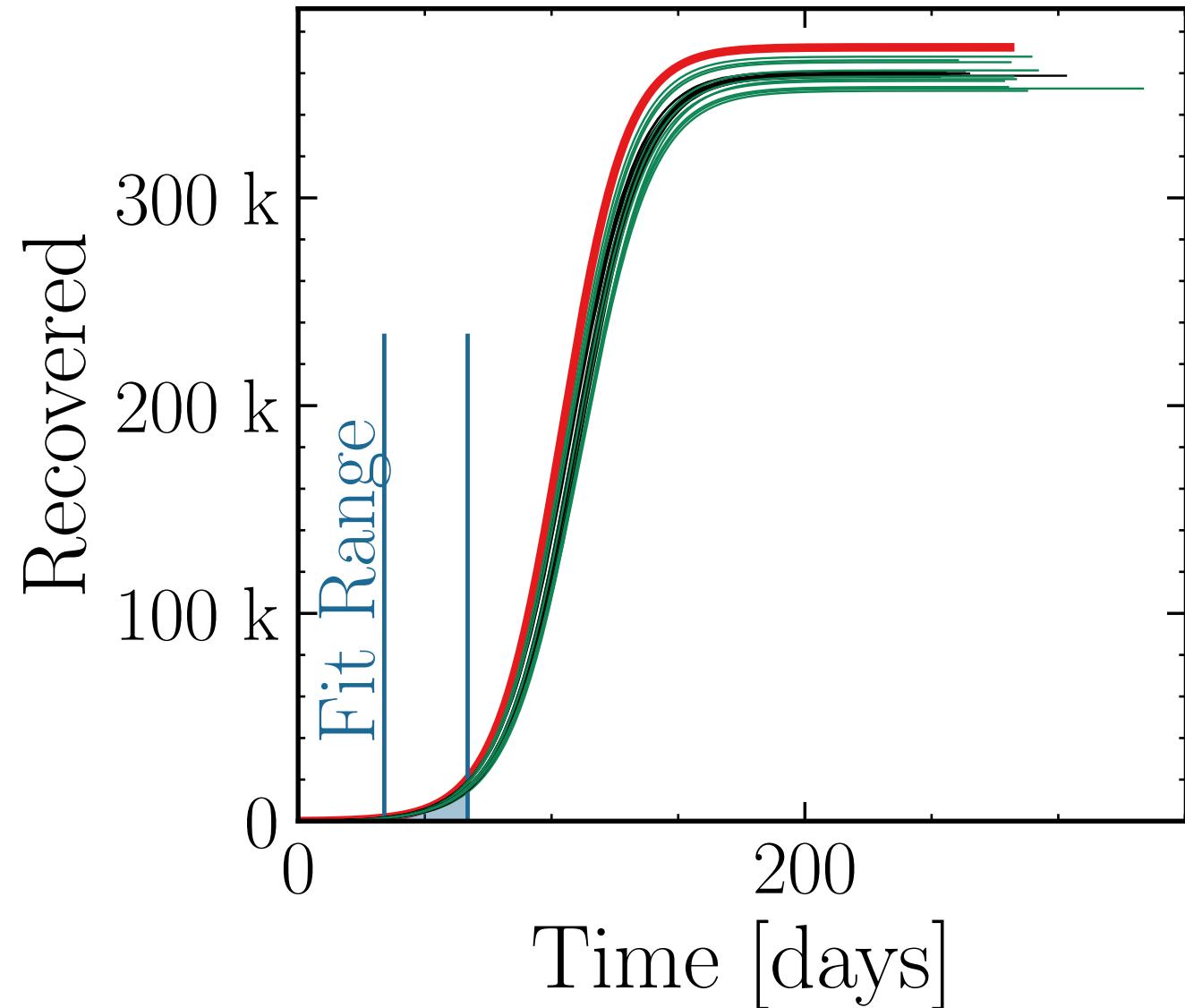
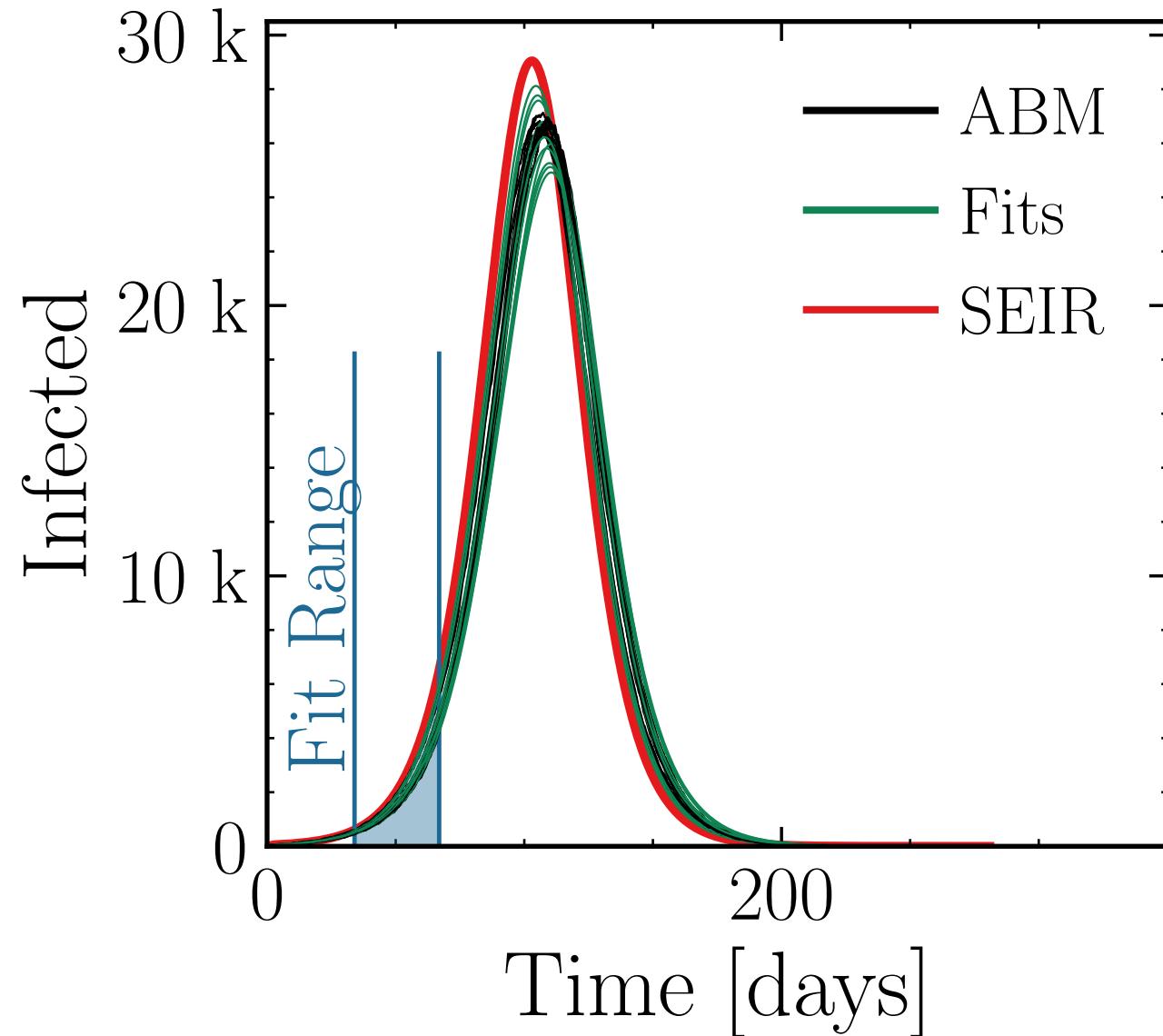
$$I_{\text{max}}^{\text{fit}} = (26.4 \pm 1.3\%) \cdot 10^3$$

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

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

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

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



$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, 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_{size_{max}} = 20, event_{size_{mean}} = 50.0, event _{β scaling} = 10.0, event_{weekendmultiplier} = 1.0

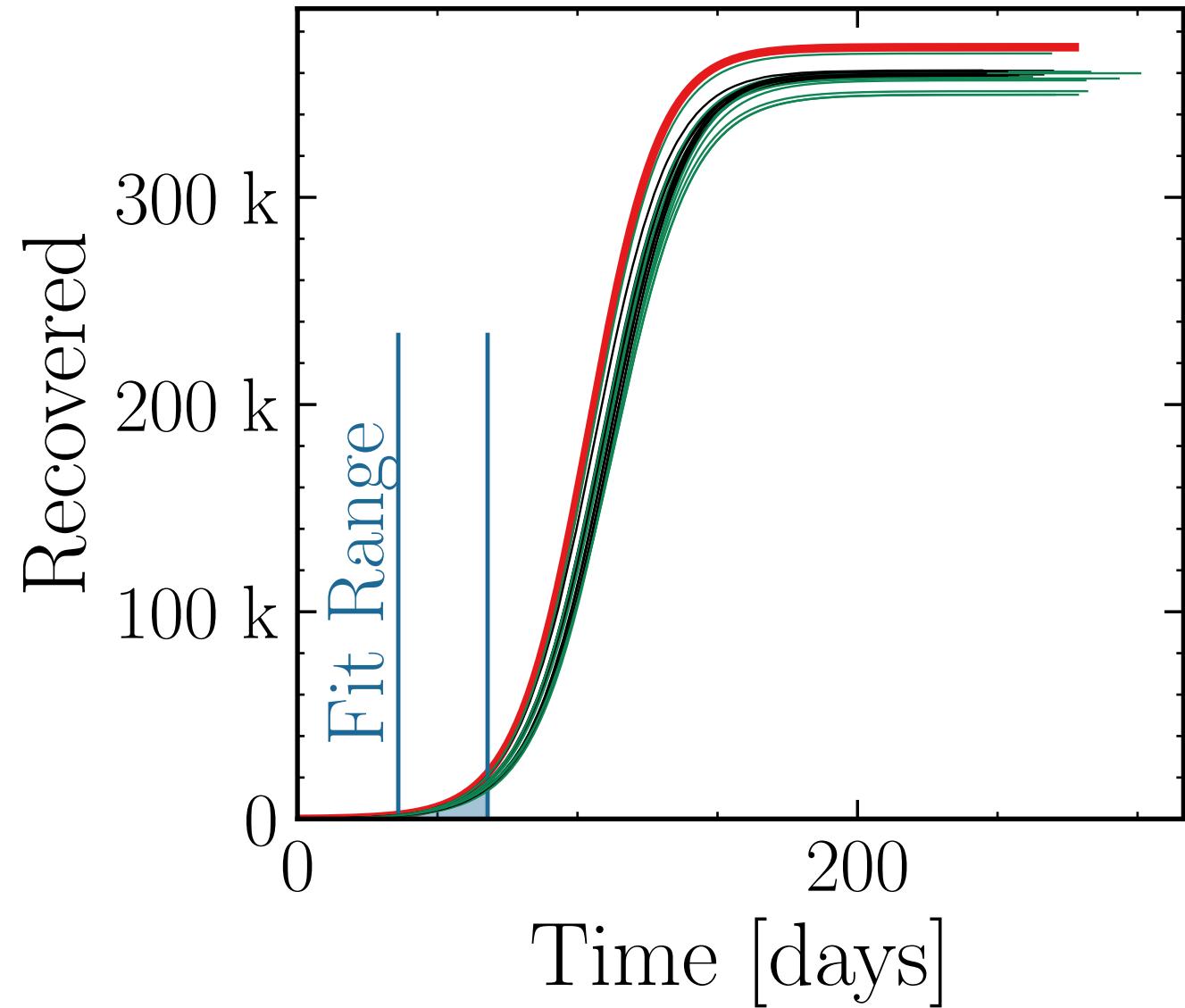
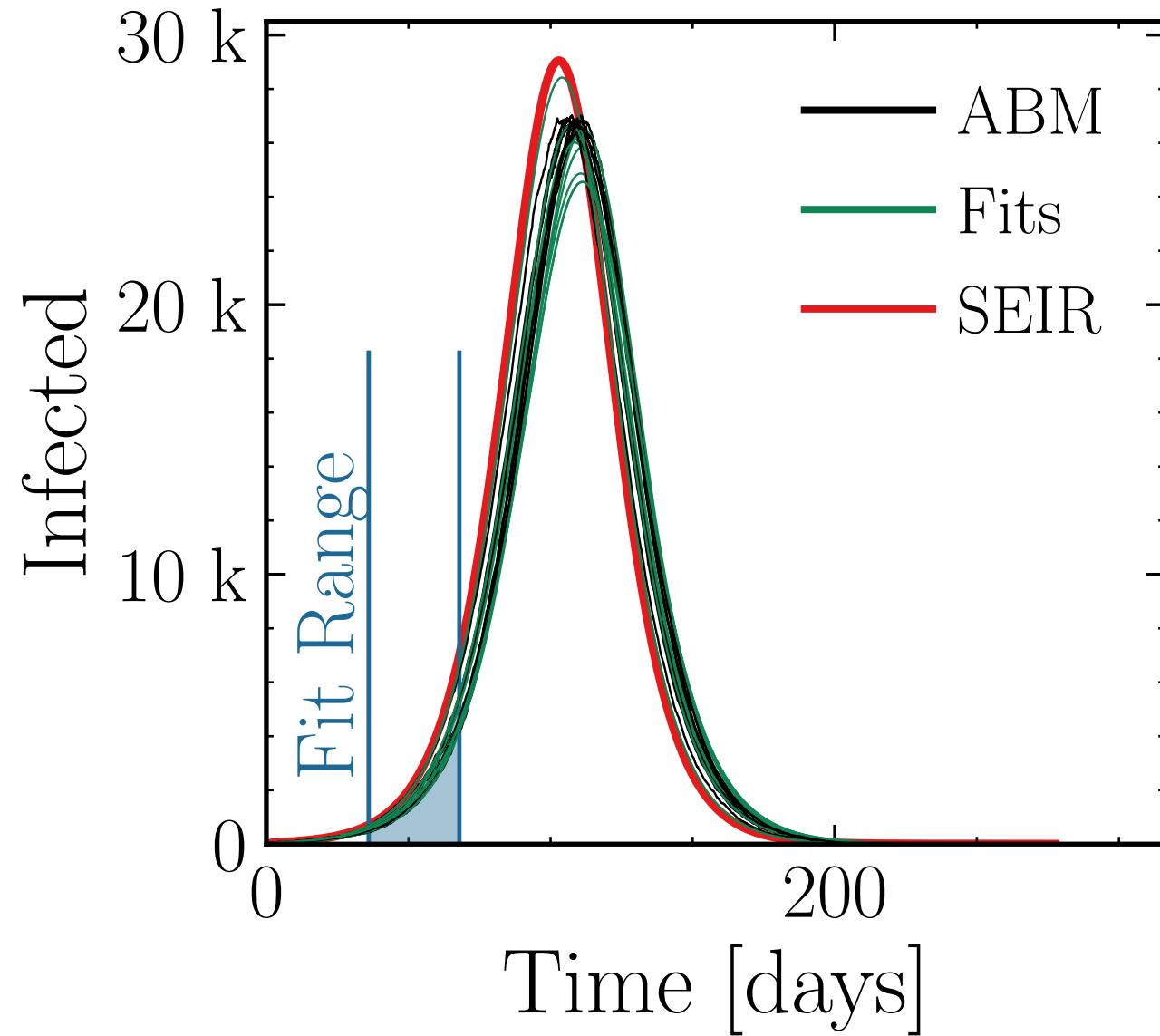
$$I_{\text{fit}}^{\text{max}} = (26 \pm 1.4\%) \cdot 10^3$$

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

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

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

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{fit}, \#10}} = 0.993 \pm 0.005$$



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

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

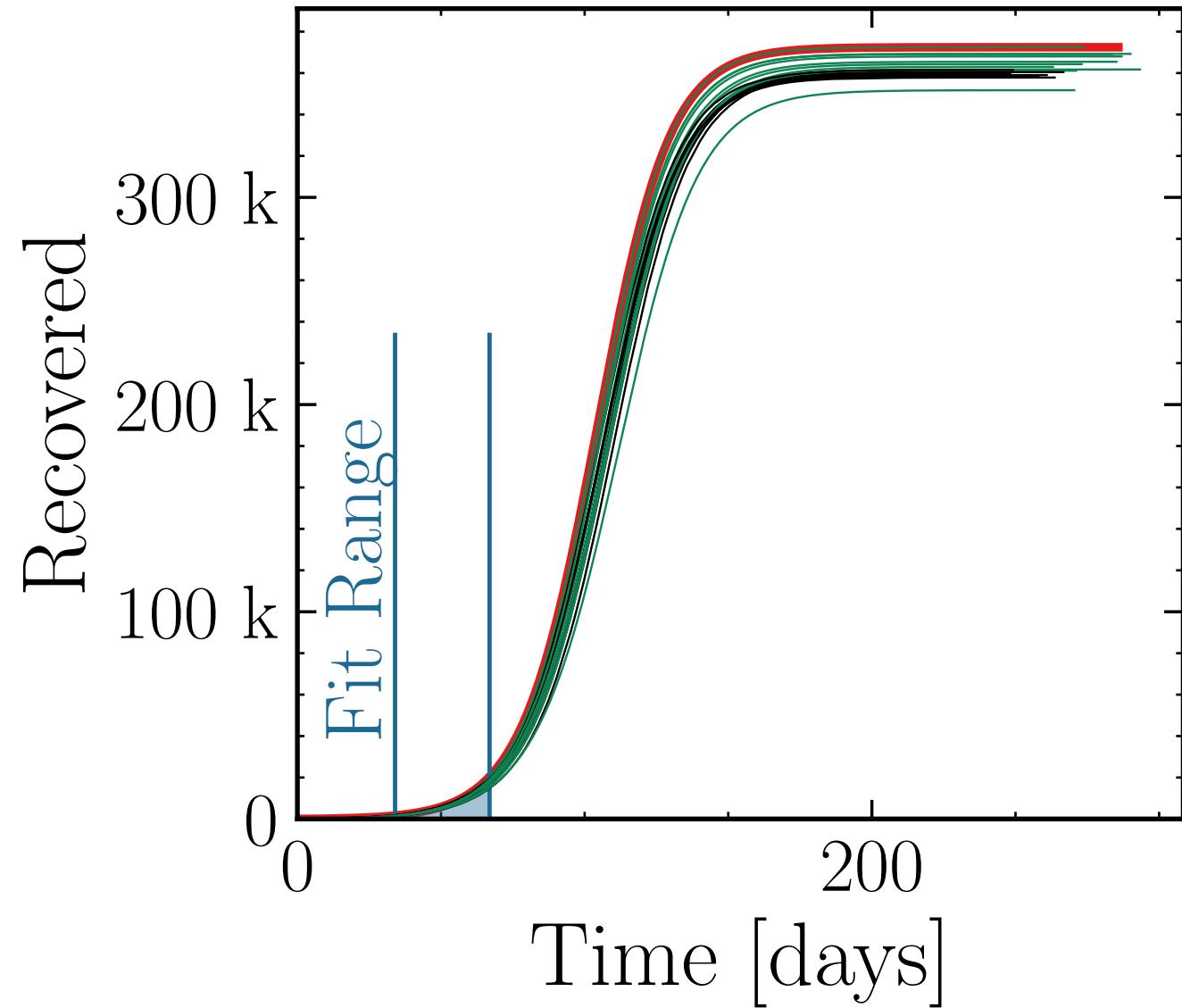
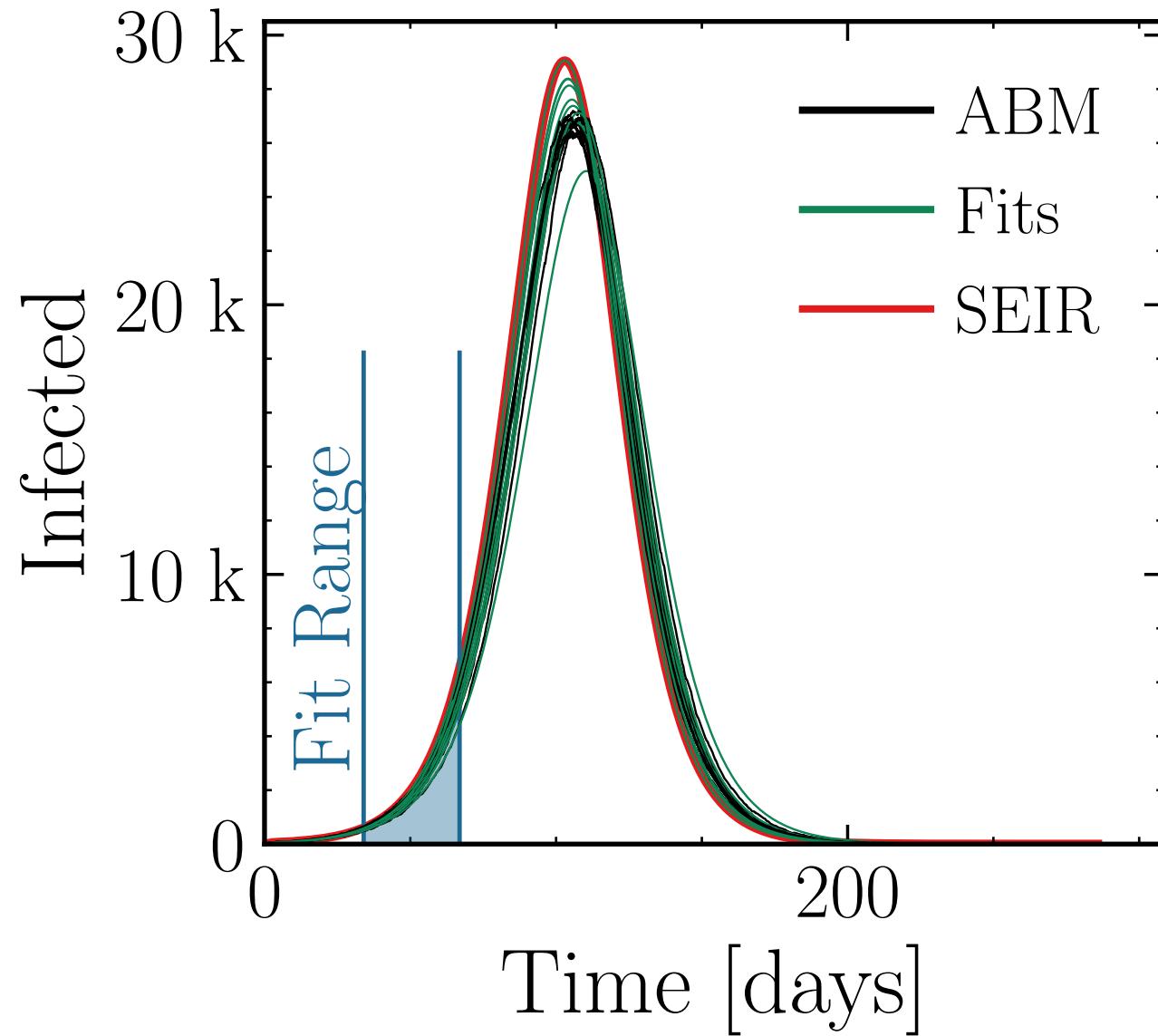
$N_{\text{events}} = 1$, event_{size_{max}} = 30, event_{size_{mean}} = 50.0, event _{β scaling} = 10.0, event_{weekendmultiplier} = 1.0

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

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

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

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



$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, 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_{size_{max}} = 40, event_{size_{mean}} = 50.0, event _{β scaling} = 10.0, event_{weekendmultiplier} = 1.0

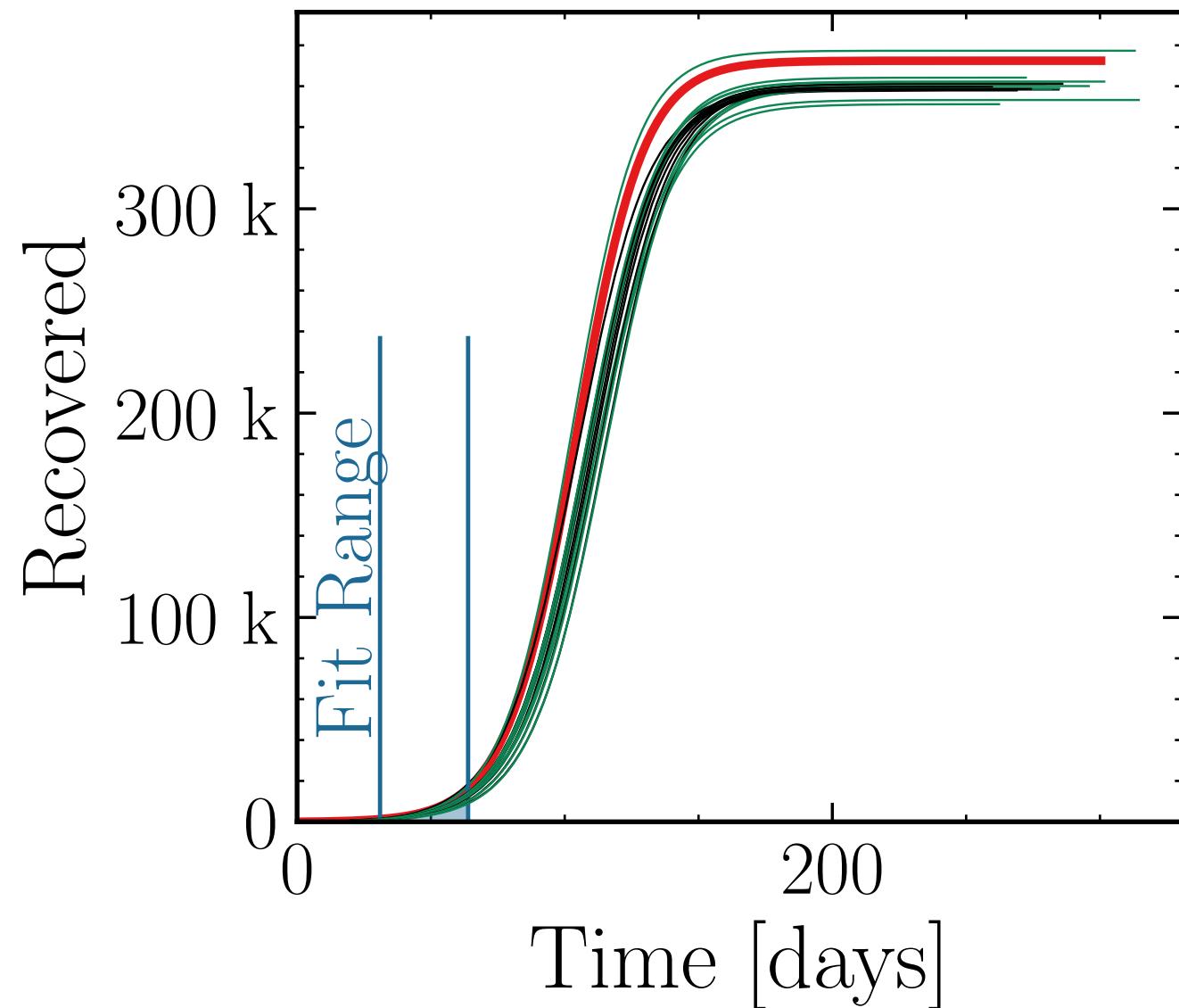
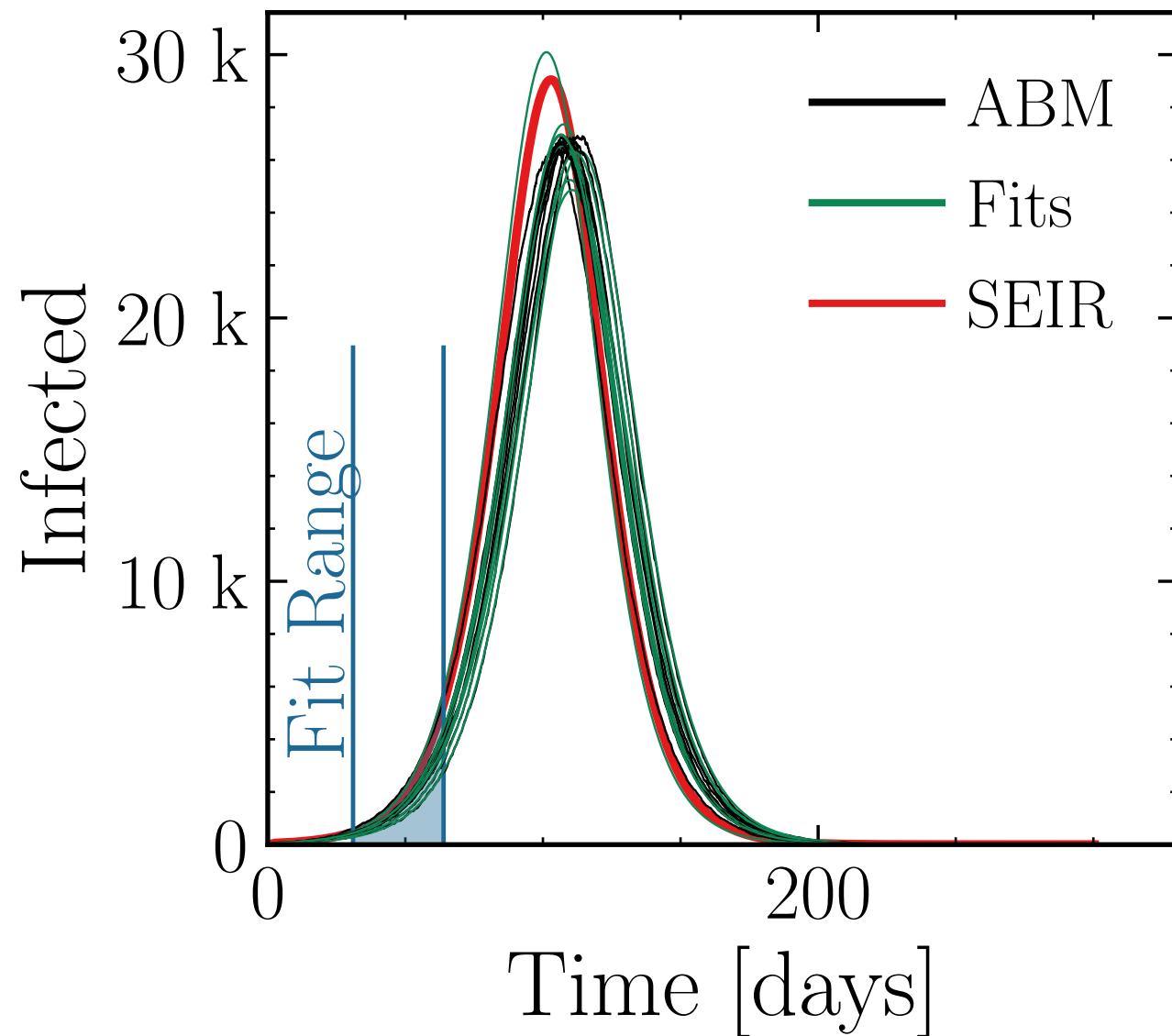
$I_{\text{max}}^{\text{fit}} = (26.7 \pm 1.6\%) \cdot 10^3$

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

v. = 1.0, hash = d40876aa7b, #10

$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (361 \pm 0.59\%) \cdot 10^3$

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



$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, 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_{size_{max}} = 50, event_{size_{mean}} = 50.0, event _{β scaling} = 10.0, event_{weekendmultiplier} = 1.0

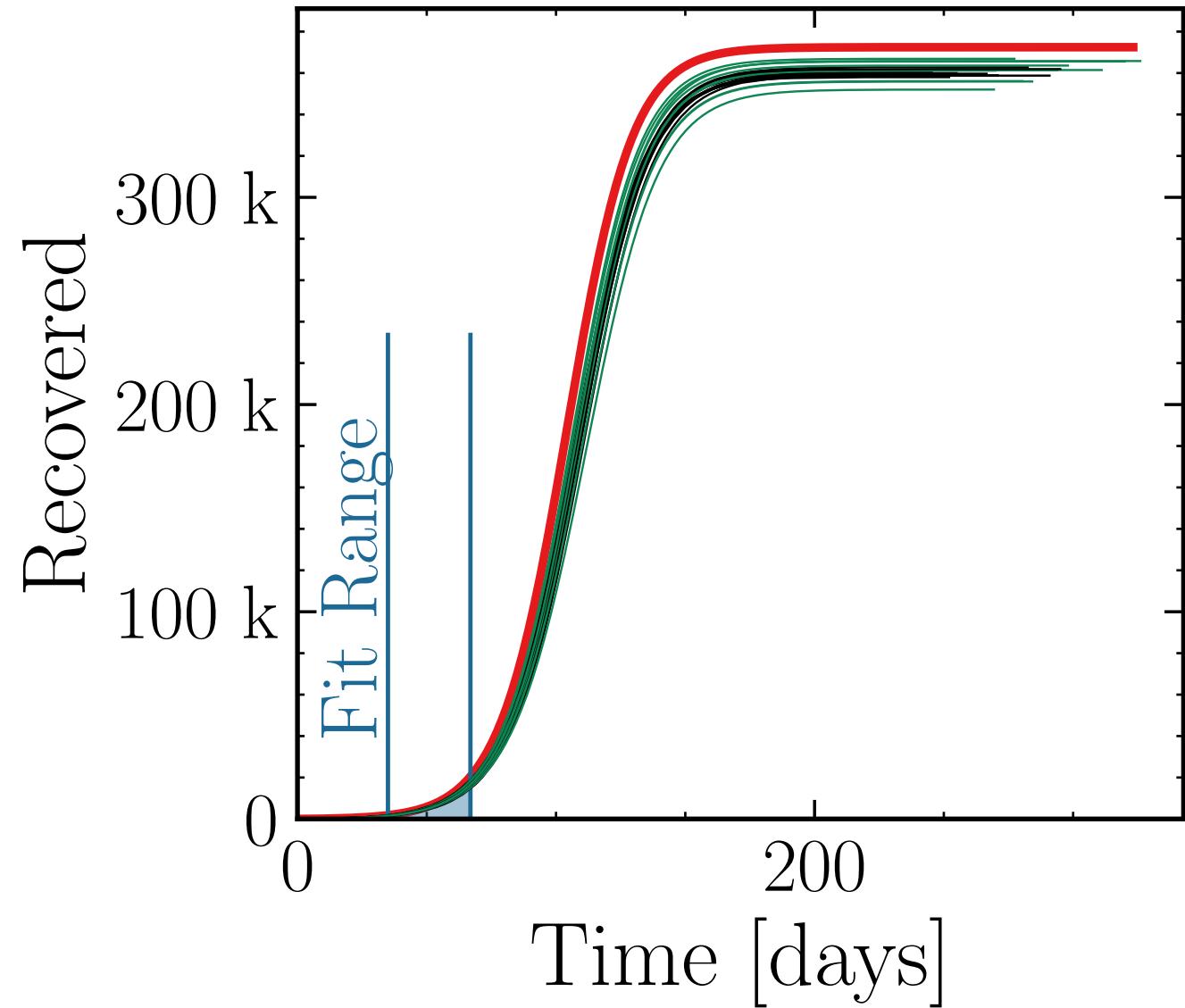
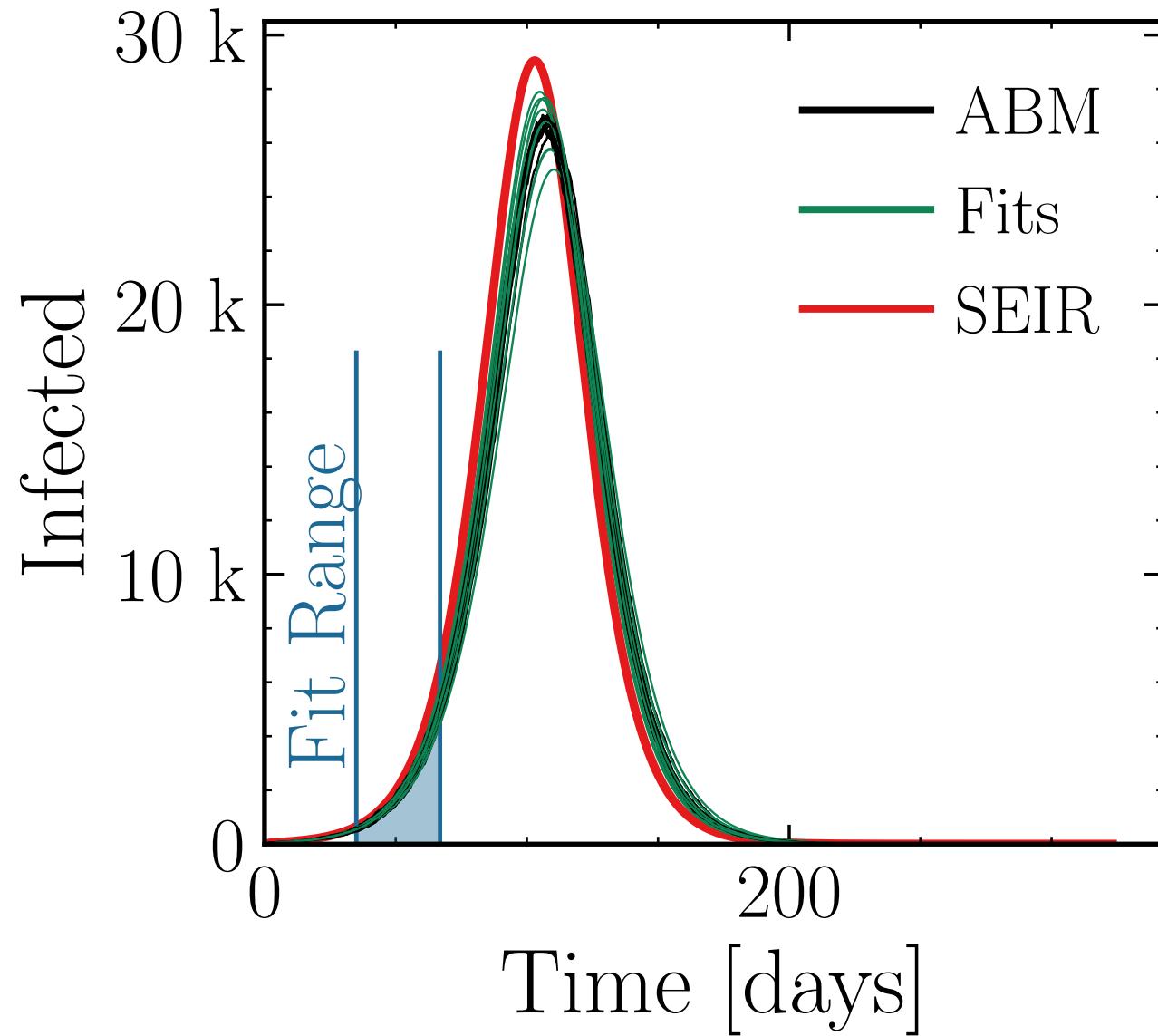
$$I_{\text{max}}^{\text{fit}} = (26.7 \pm 1.1\%) \cdot 10^3$$

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

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

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

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



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

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

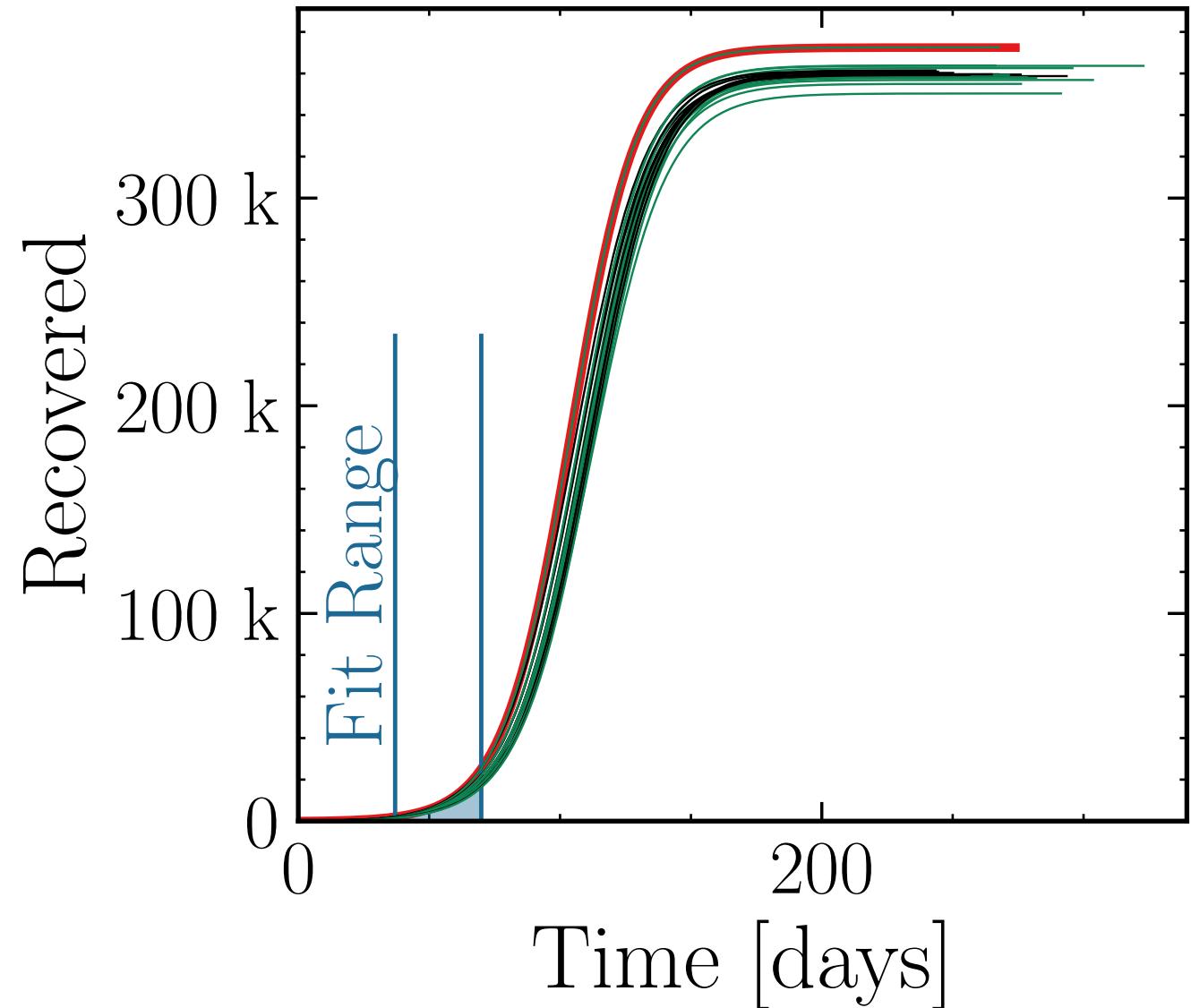
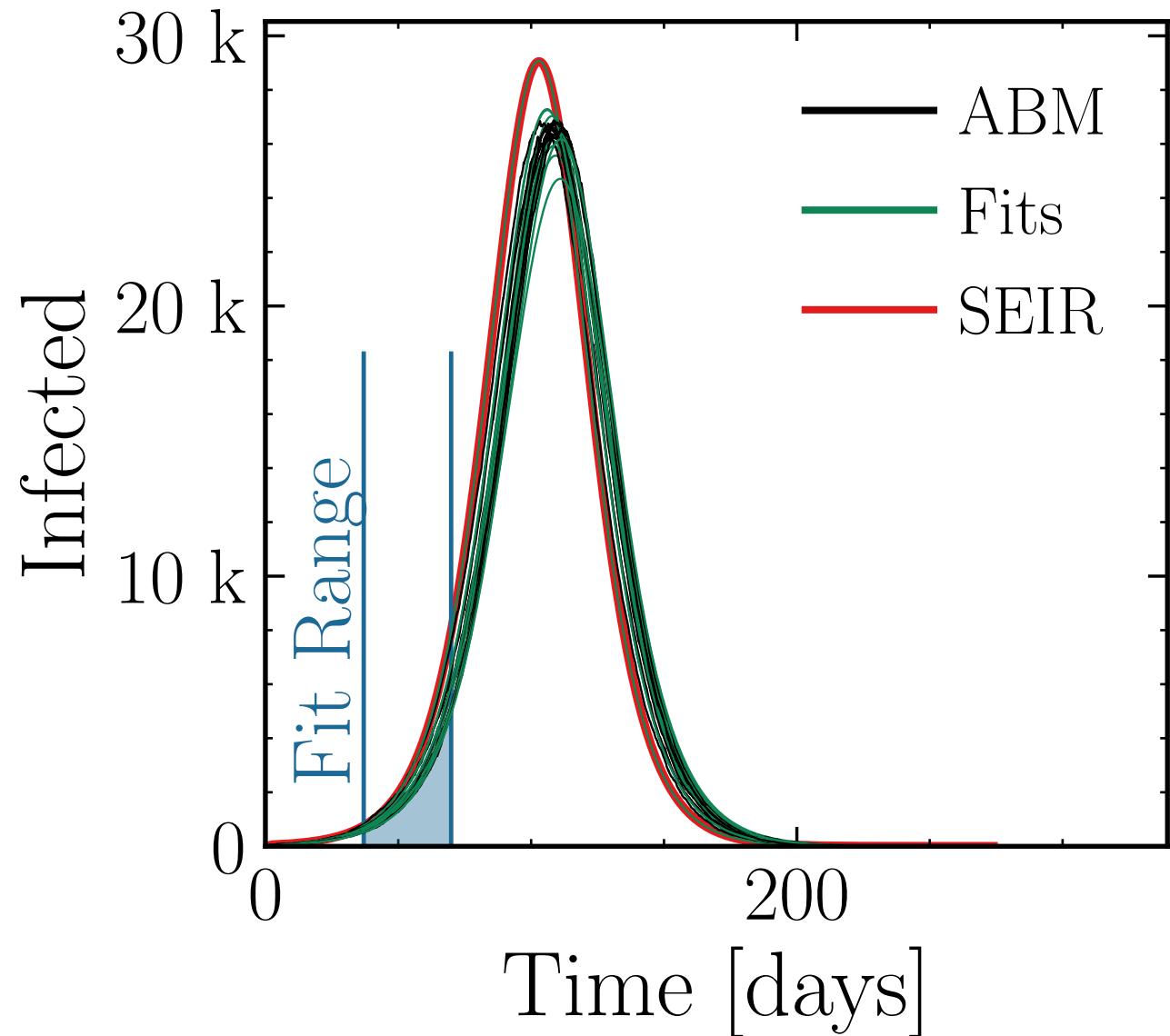
$N_{\text{events}} = 1$, event_{size_{max}} = 75, event_{size_{mean}} = 50.0, event _{β scaling} = 10.0, event_{weekendmultiplier} = 1.0

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

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

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

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



$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, 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_{size_{max}} = 100, event_{size_{mean}} = 50.0, event _{β scaling} = 10.0, event_{weekendmultiplier} = 1.0

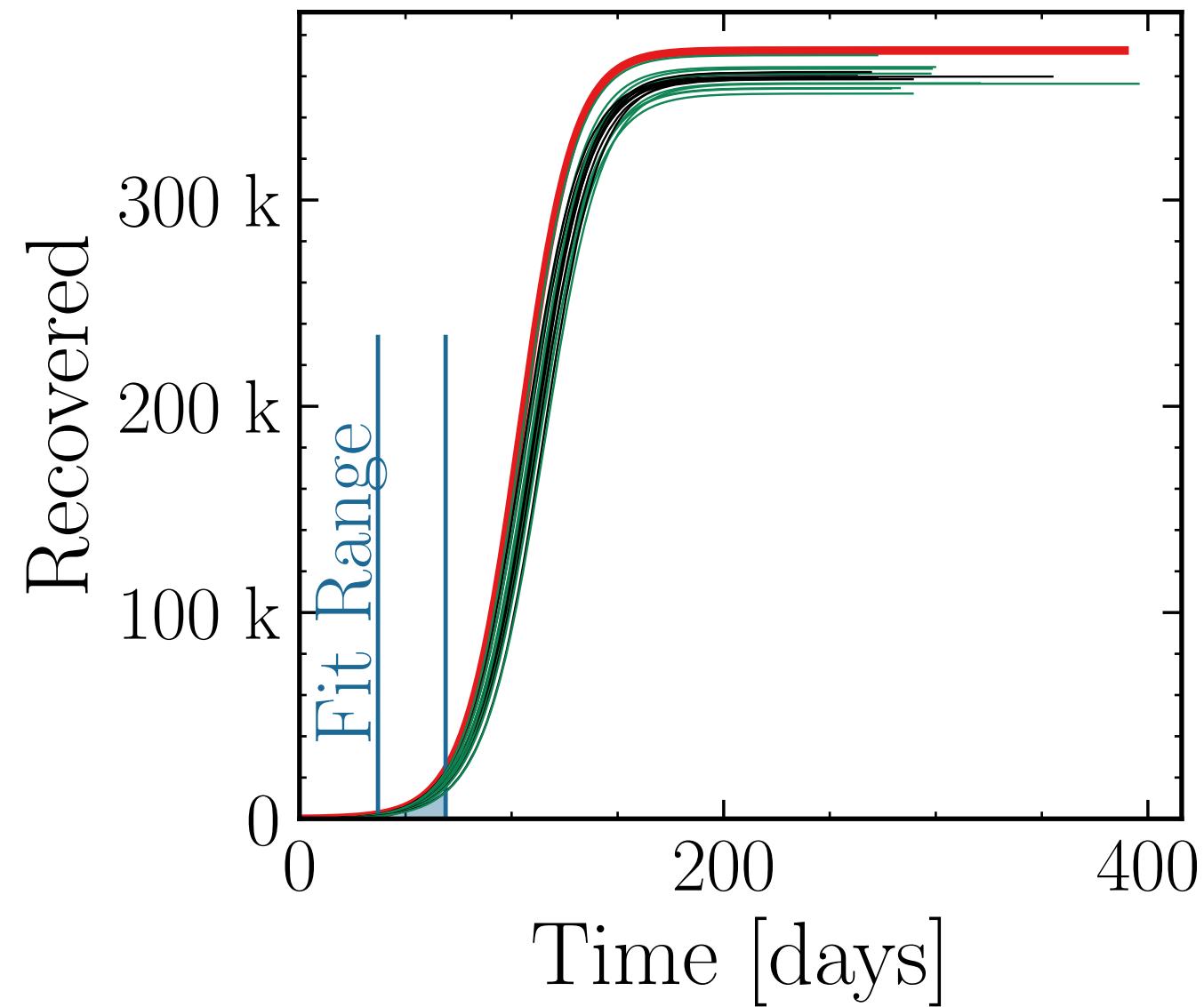
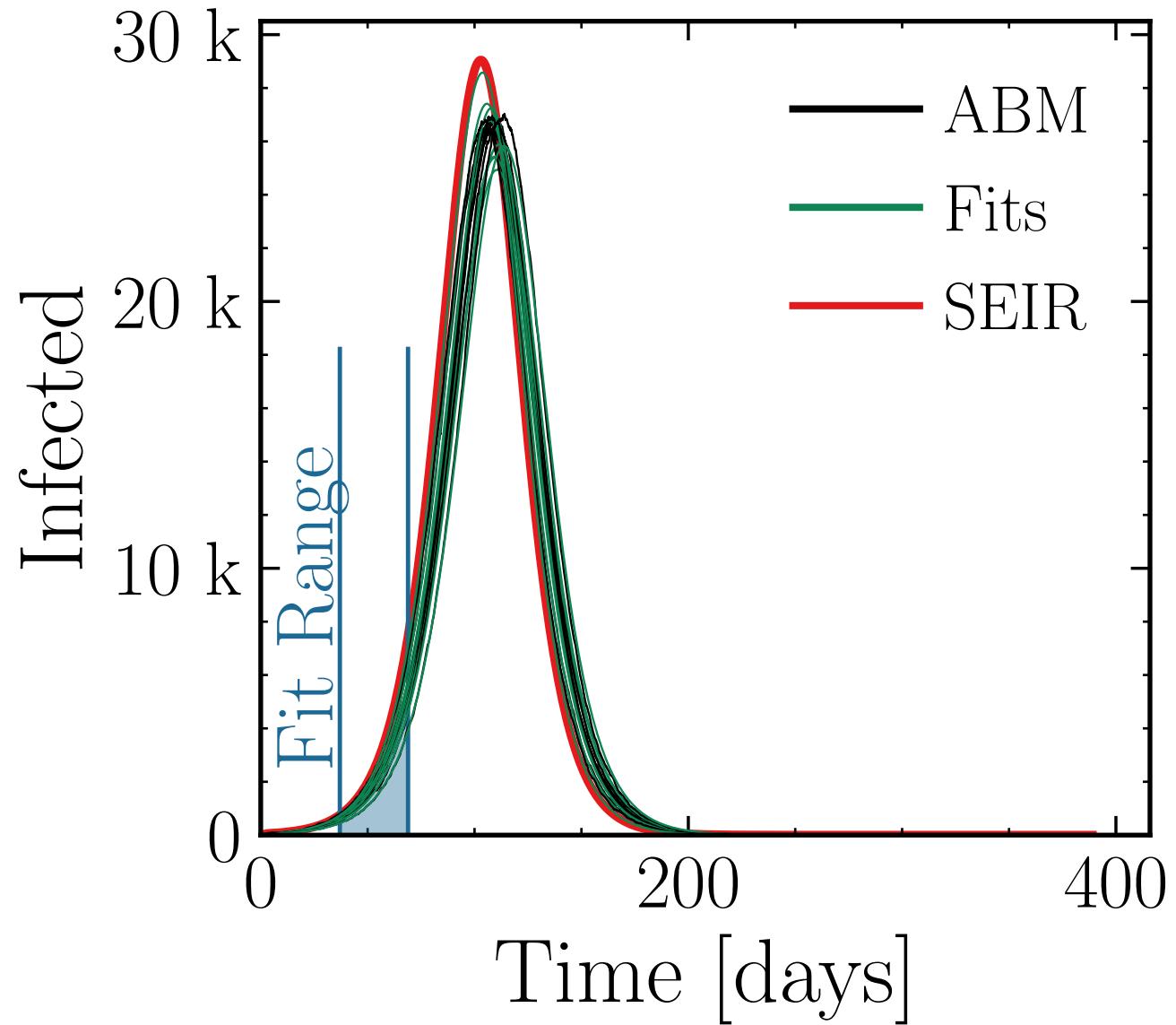
$$I_{\text{max}}^{\text{fit}} = (26.4 \pm 1.3\%) \cdot 10^3$$

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

$$\text{v.} = 1.0, \text{hash} = 23454db16c, \#10$$

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

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



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

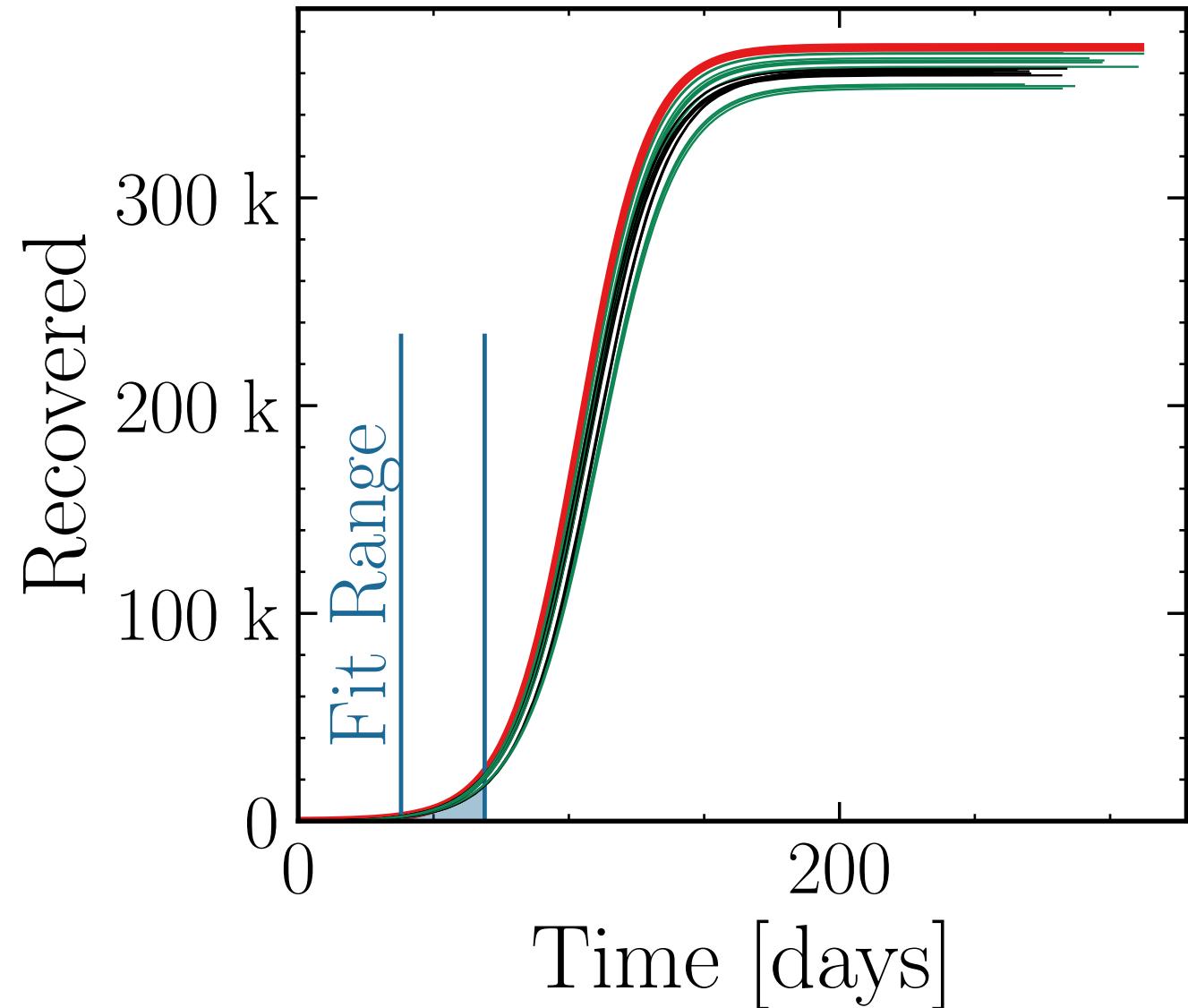
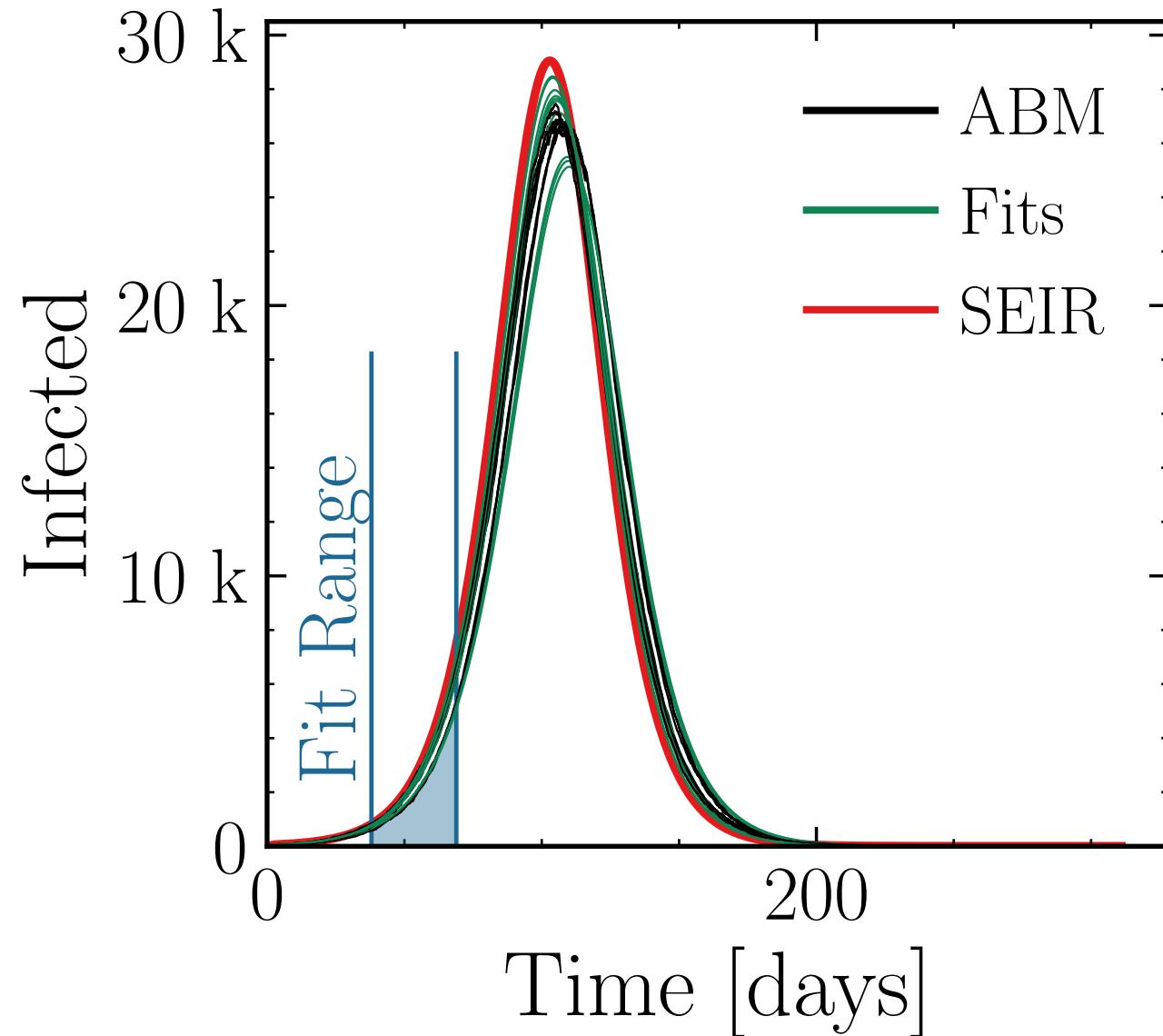
$\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 10$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β scaling} = 10.0, event_{weekendmultiplier} = 1.0

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

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1.01 \pm 0.014 \quad v. = 1.0, \text{hash} = \text{a19e70827a}, \#10 \\ R_{\infty}^{\text{fit}} = (363 \pm 0.54\%) \cdot 10^3$$

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



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

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

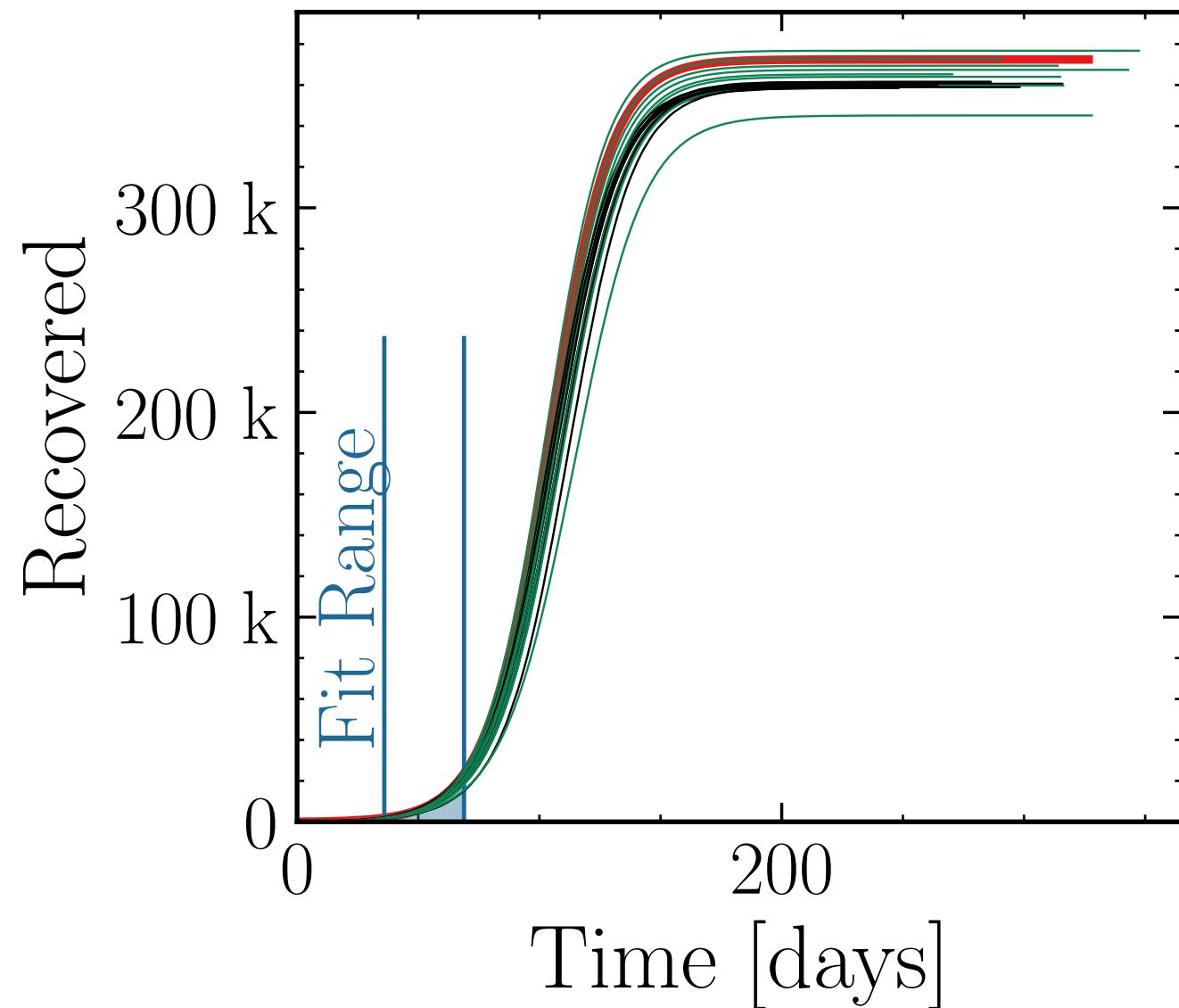
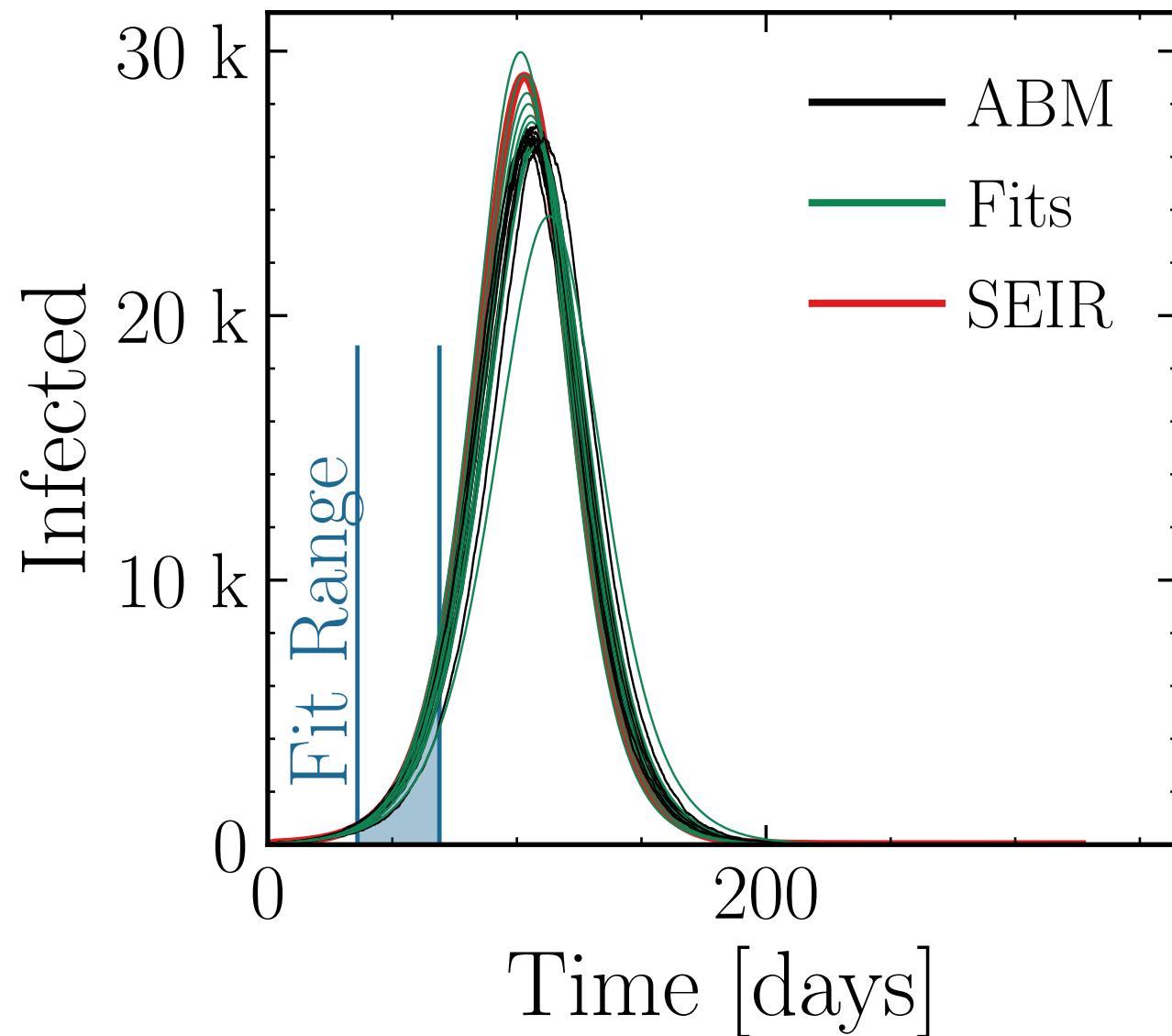
$N_{\text{events}} = 10$, event_{size_{max}} = 1, event_{size_{mean}} = 50.0, event _{β scaling} = 10.0, event_{weekendmultiplier} = 1.0

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

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

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

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



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

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

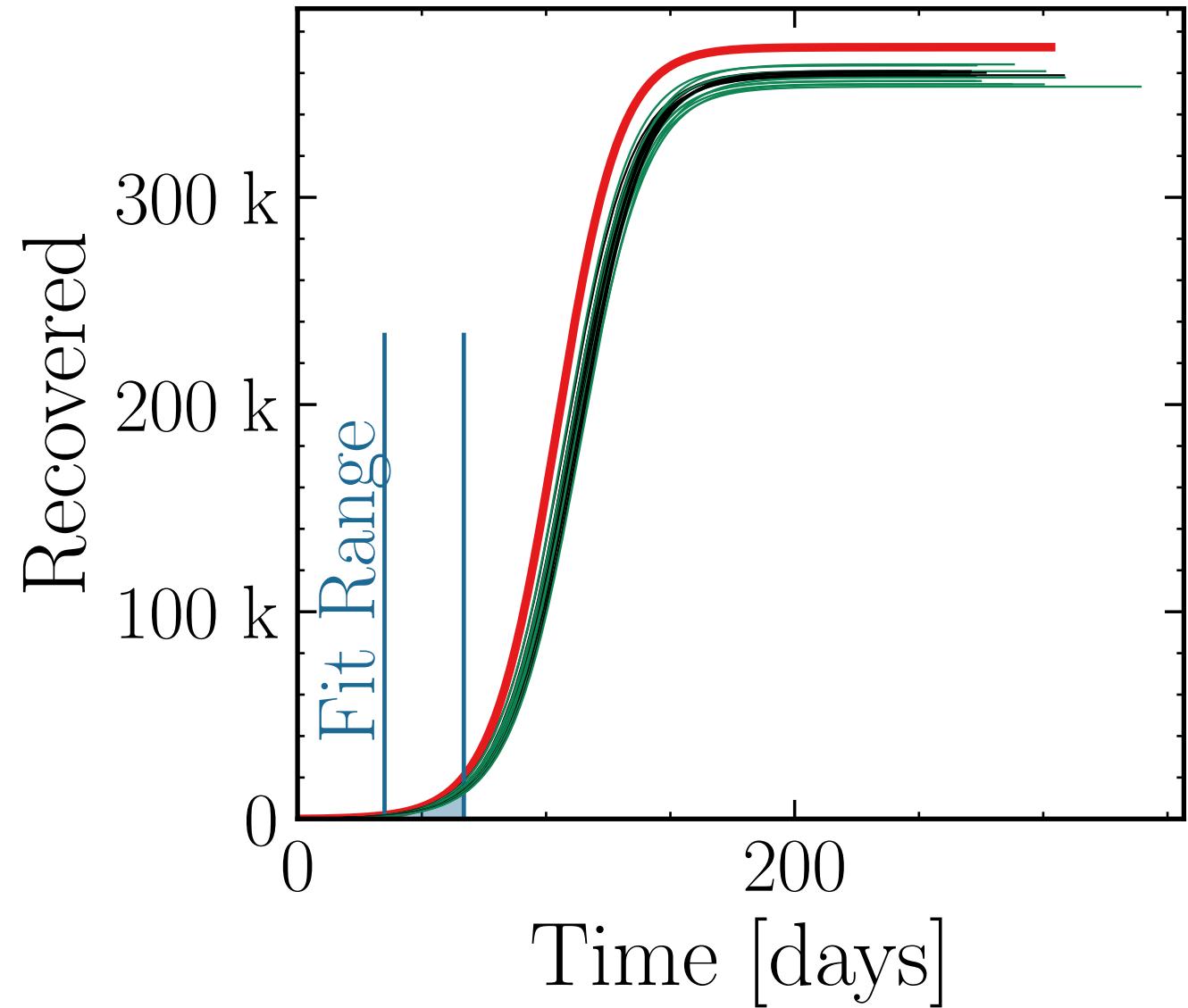
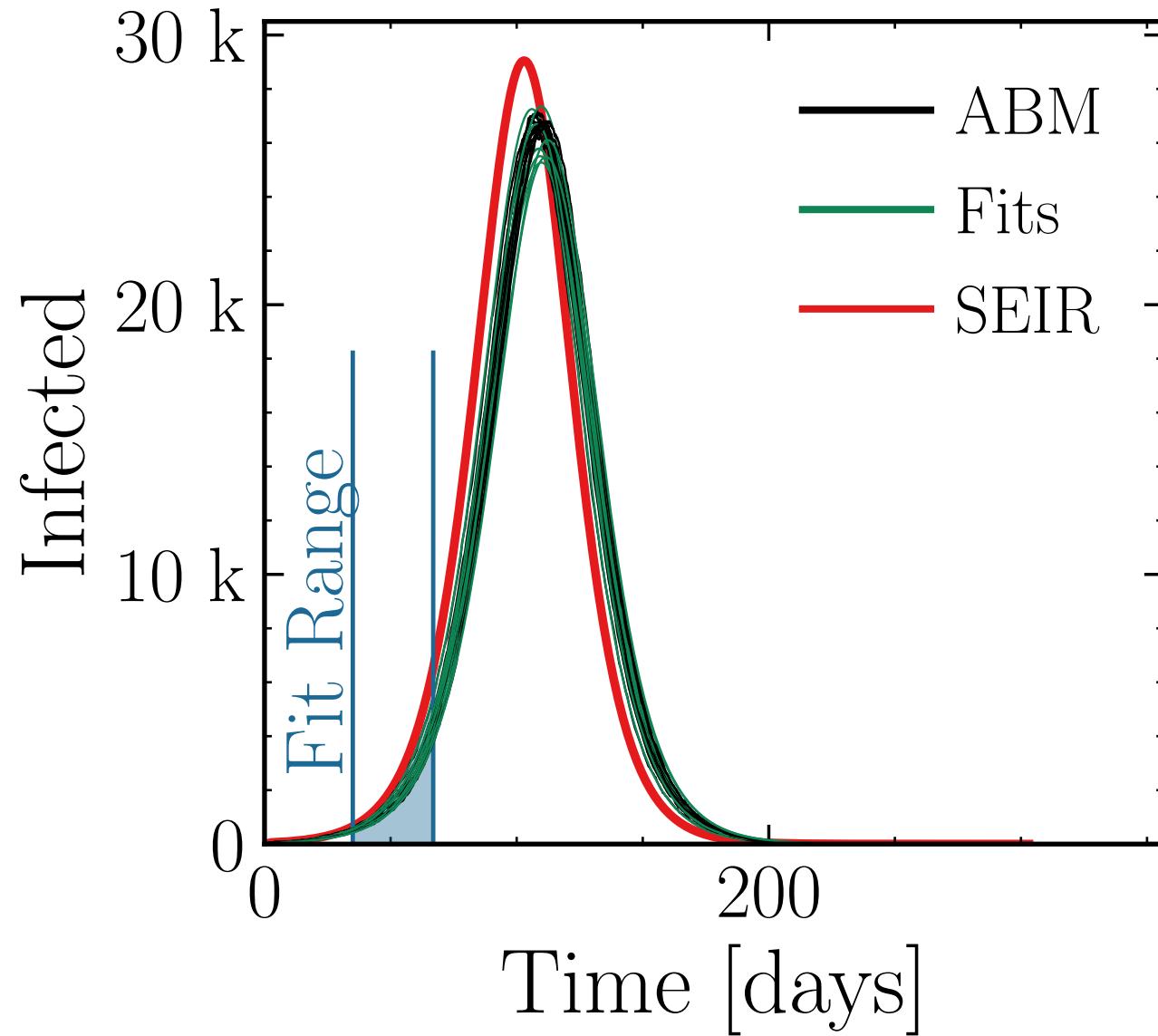
$N_{\text{events}} = 10$, event_{size_{max}} = 2, event_{size_{mean}} = 50.0, event _{β scaling} = 10.0, event_{weekendmultiplier} = 1.0

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

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

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

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



$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, 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_{size_{max}} = 3, event_{size_{mean}} = 50.0, event _{β scaling} = 10.0, event_{weekendmultiplier} = 1.0

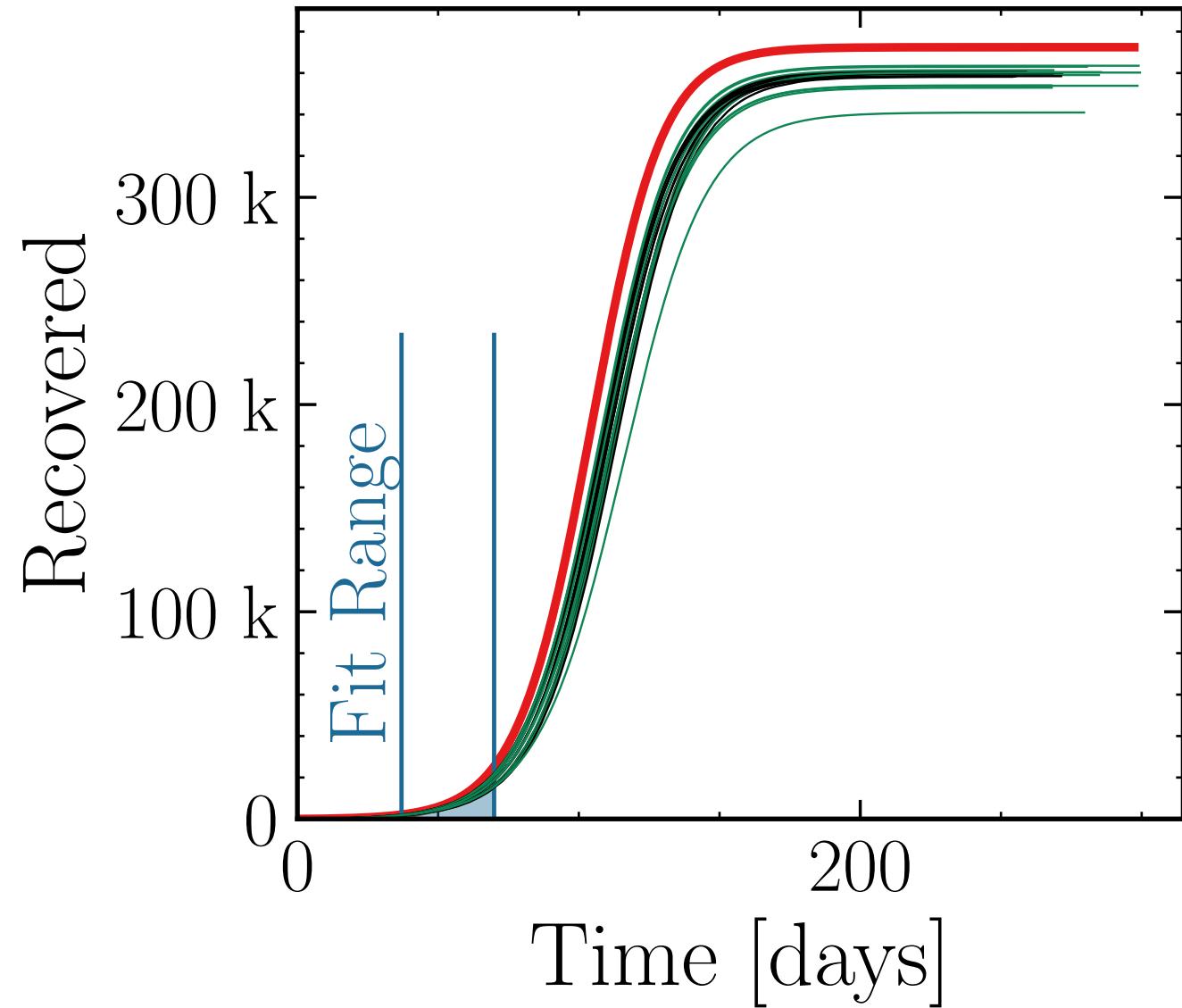
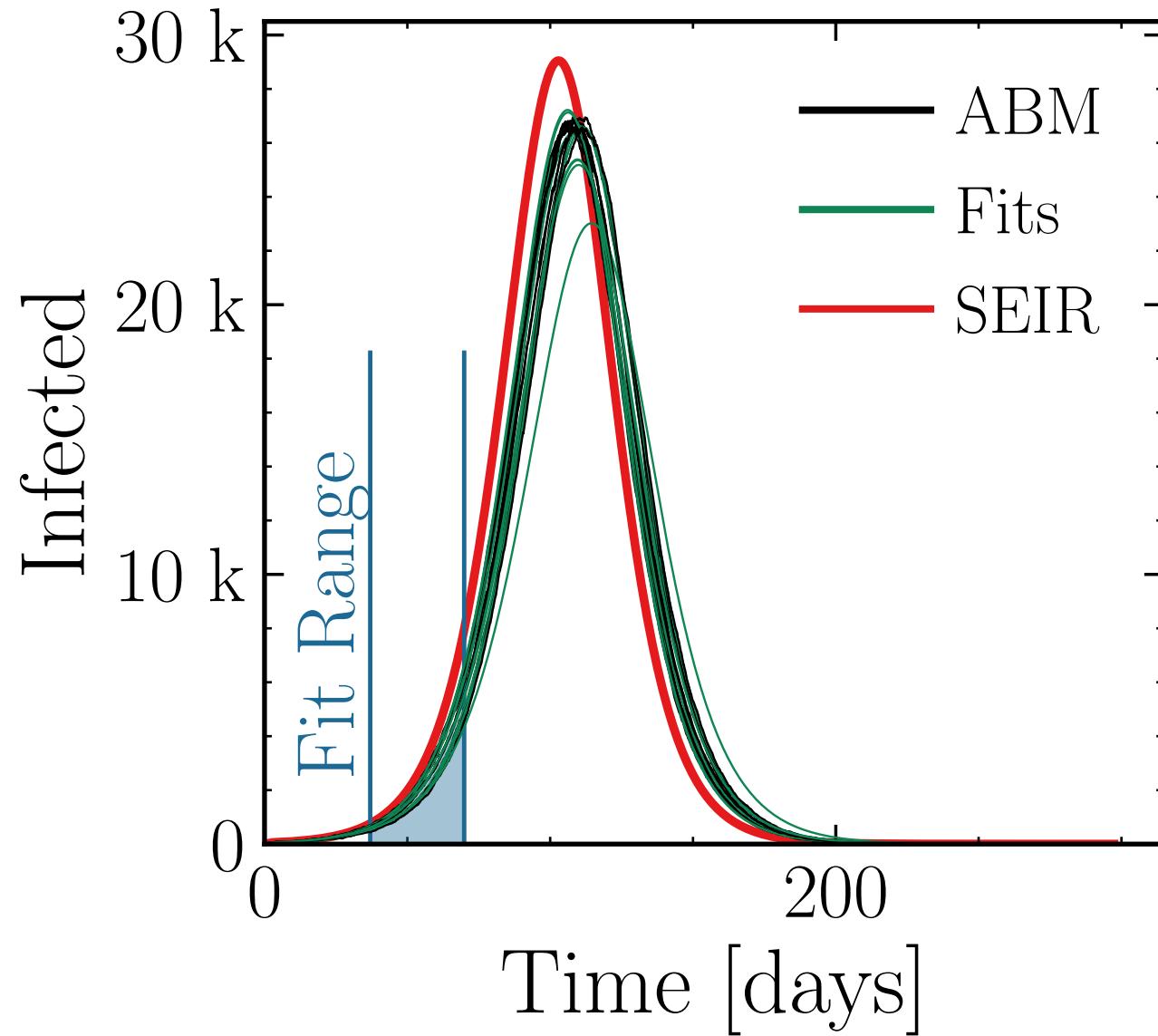
$$I_{\text{max}}^{\text{fit}} = (26 \pm 1.5\%) \cdot 10^3$$

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

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

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

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



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

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

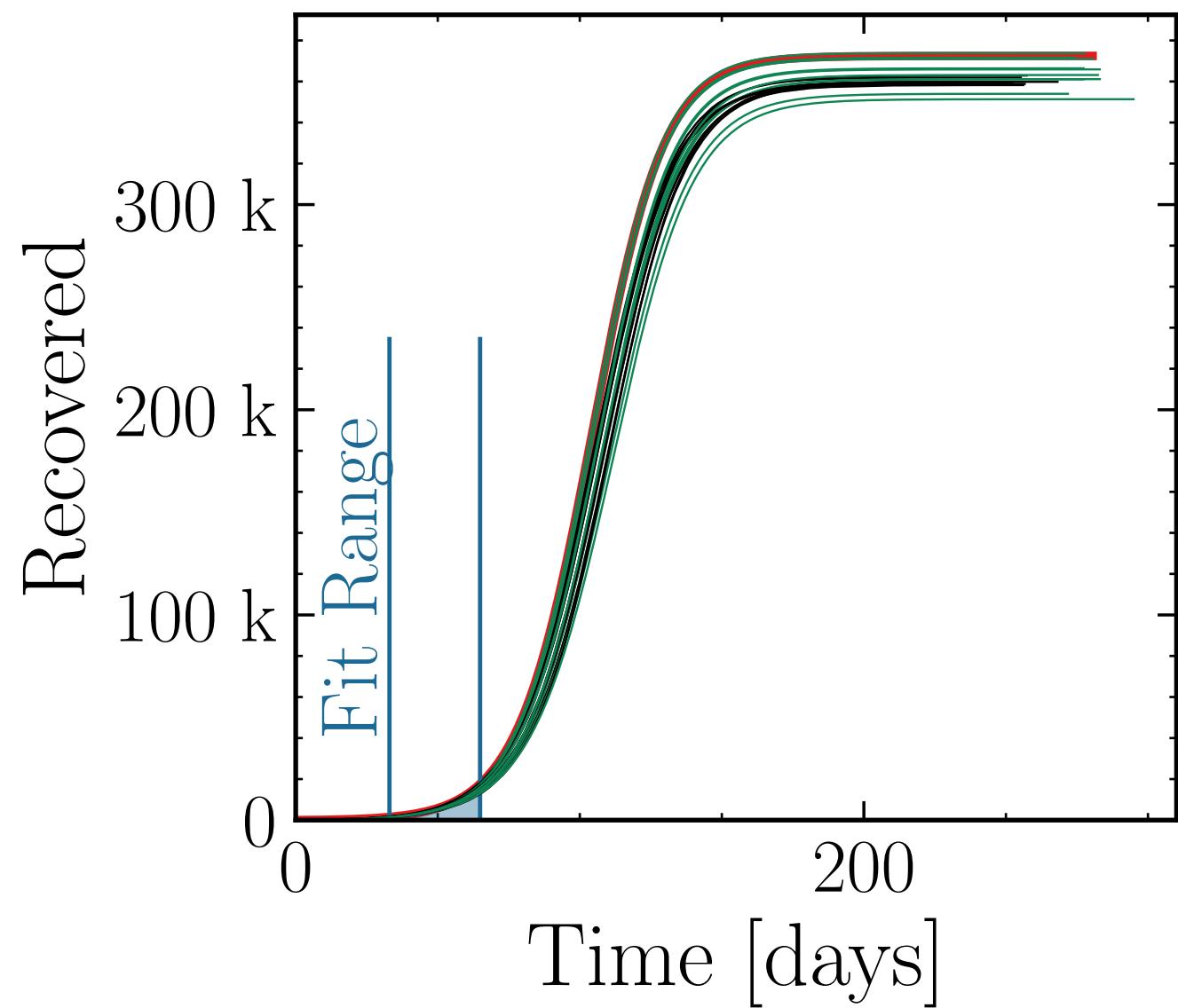
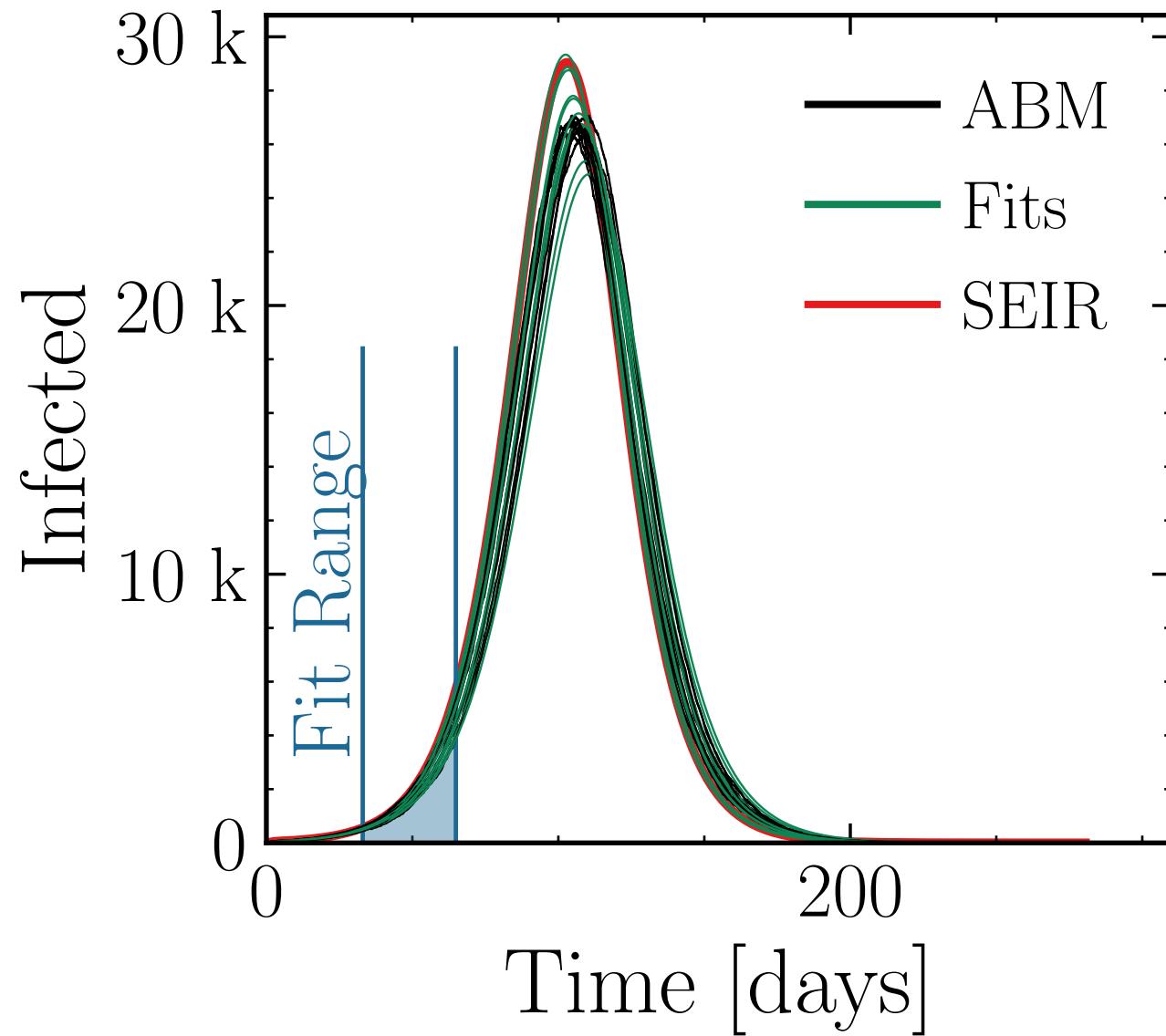
$N_{\text{events}} = 10$, event_{size_{max}} = 4, event_{size_{mean}} = 50.0, event _{β scaling} = 10.0, event_{weekendmultiplier} = 1.0

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

$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{ABM}}^{\text{max}}} = 1.02 \pm 0.017$ v. = 1.0, hash = 56fe03b5a1 #10

$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (364 \pm 0.61\%) \cdot 10^3$

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



$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, 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_{size_{max}} = 5, event_{size_{mean}} = 50.0, event _{β scaling} = 10.0, event_{weekendmultiplier} = 1.0

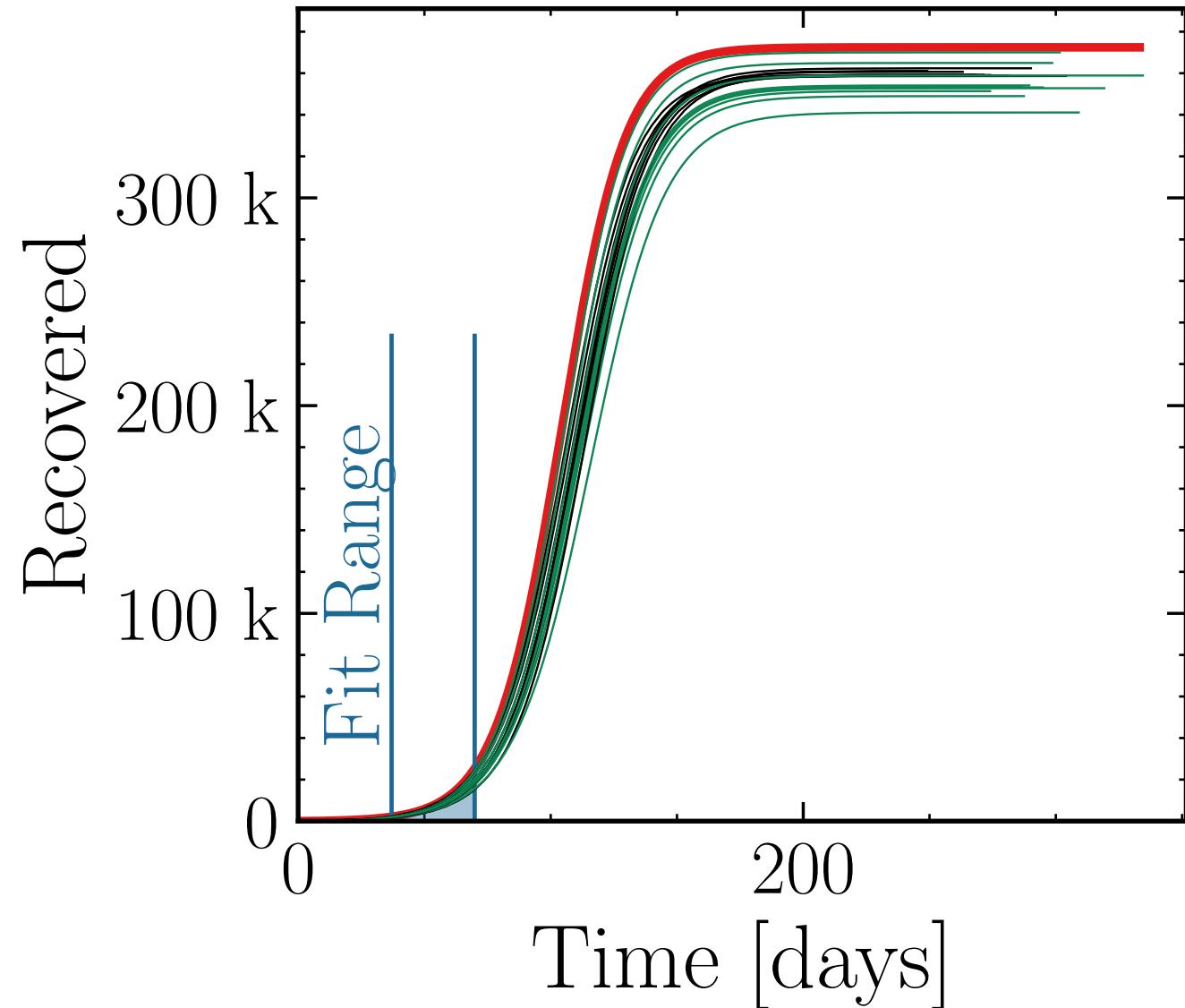
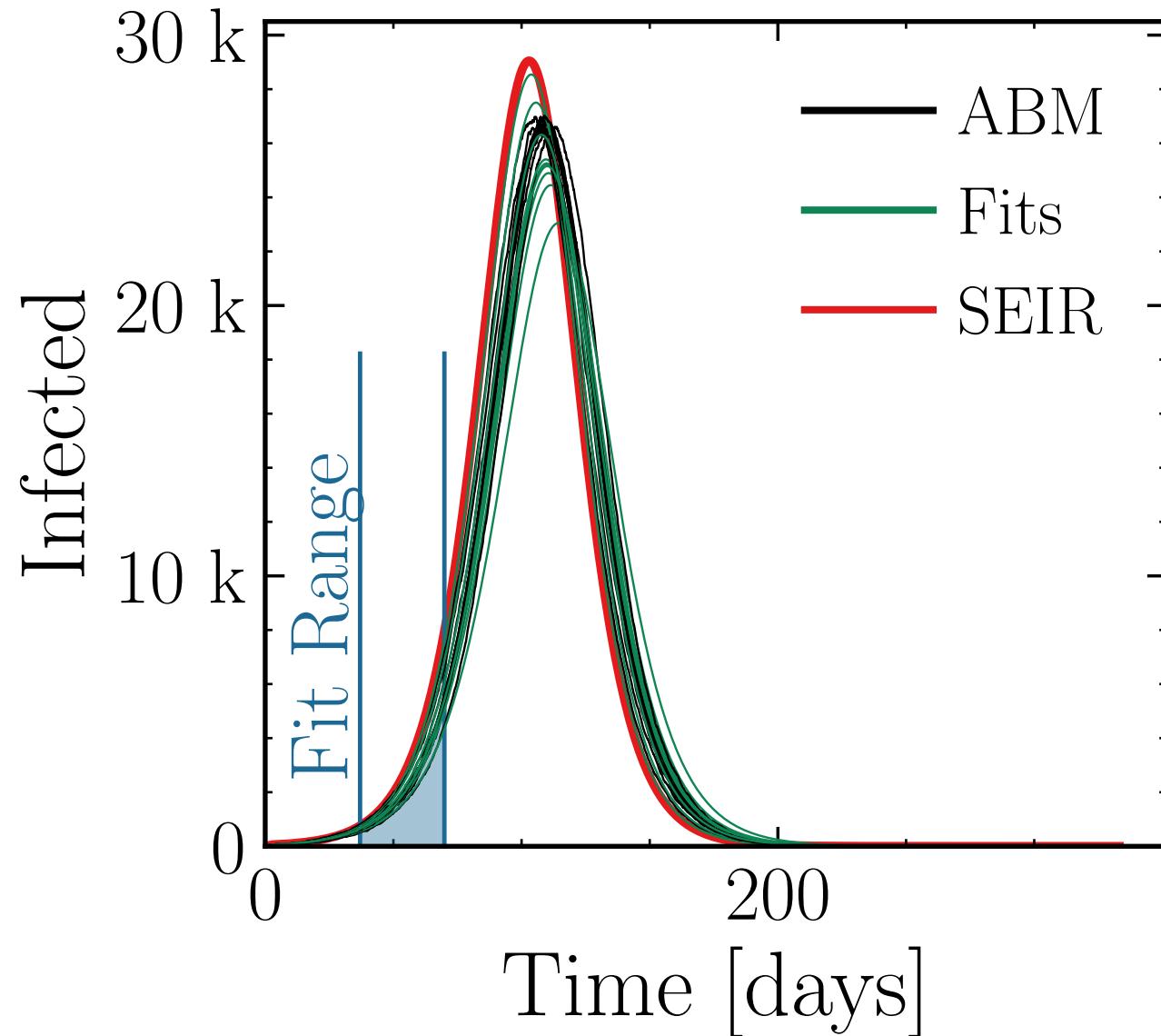
$$I_{\text{max}}^{\text{fit}} = (25.6 \pm 1.8\%) \cdot 10^3$$

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

$$\text{v.} = 1.0, \text{hash} = 649f62ea14\#10$$

$$R_{\infty}^{\text{fit}} = (355 \pm 0.69\%) \cdot 10^3$$

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



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

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

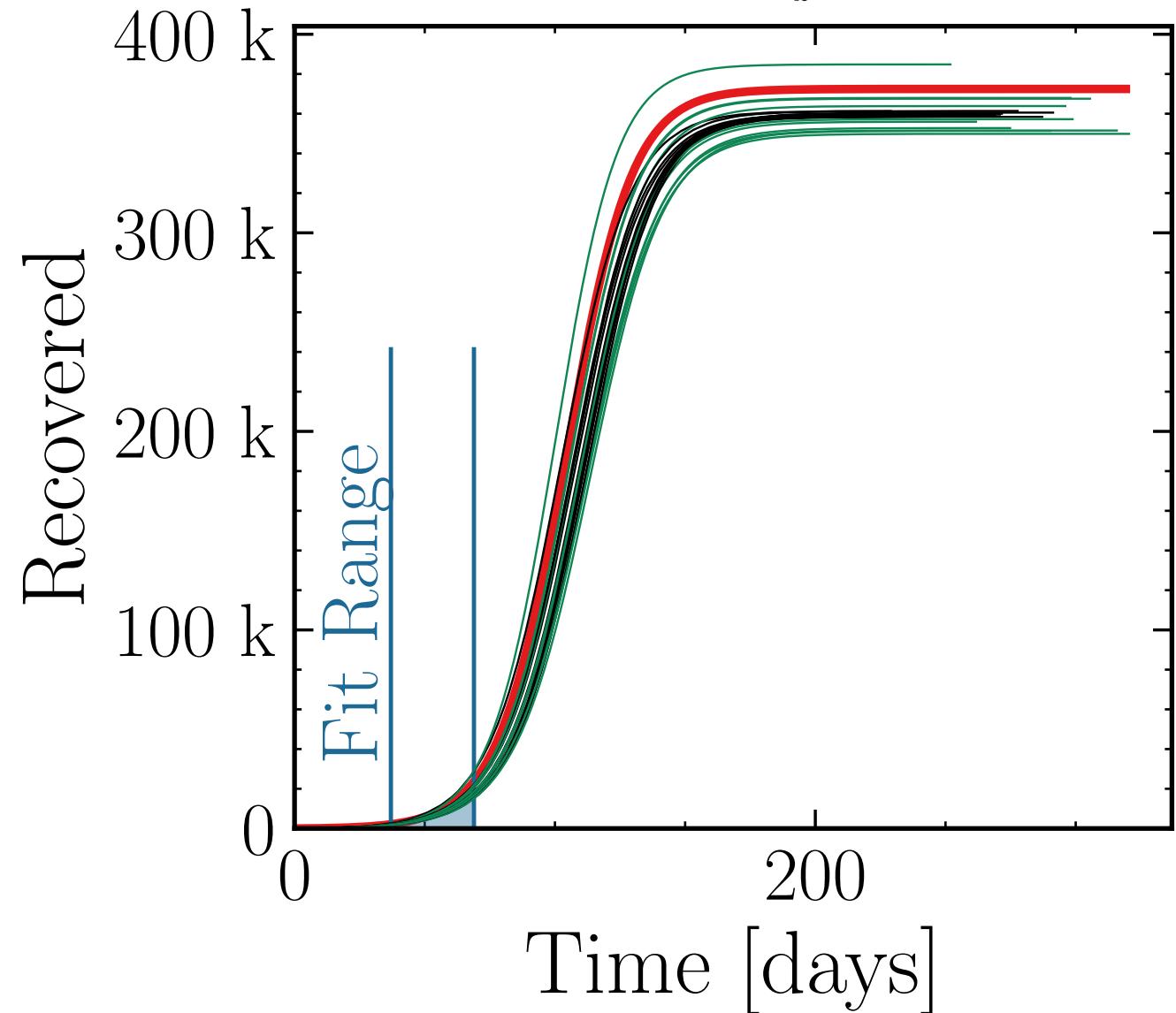
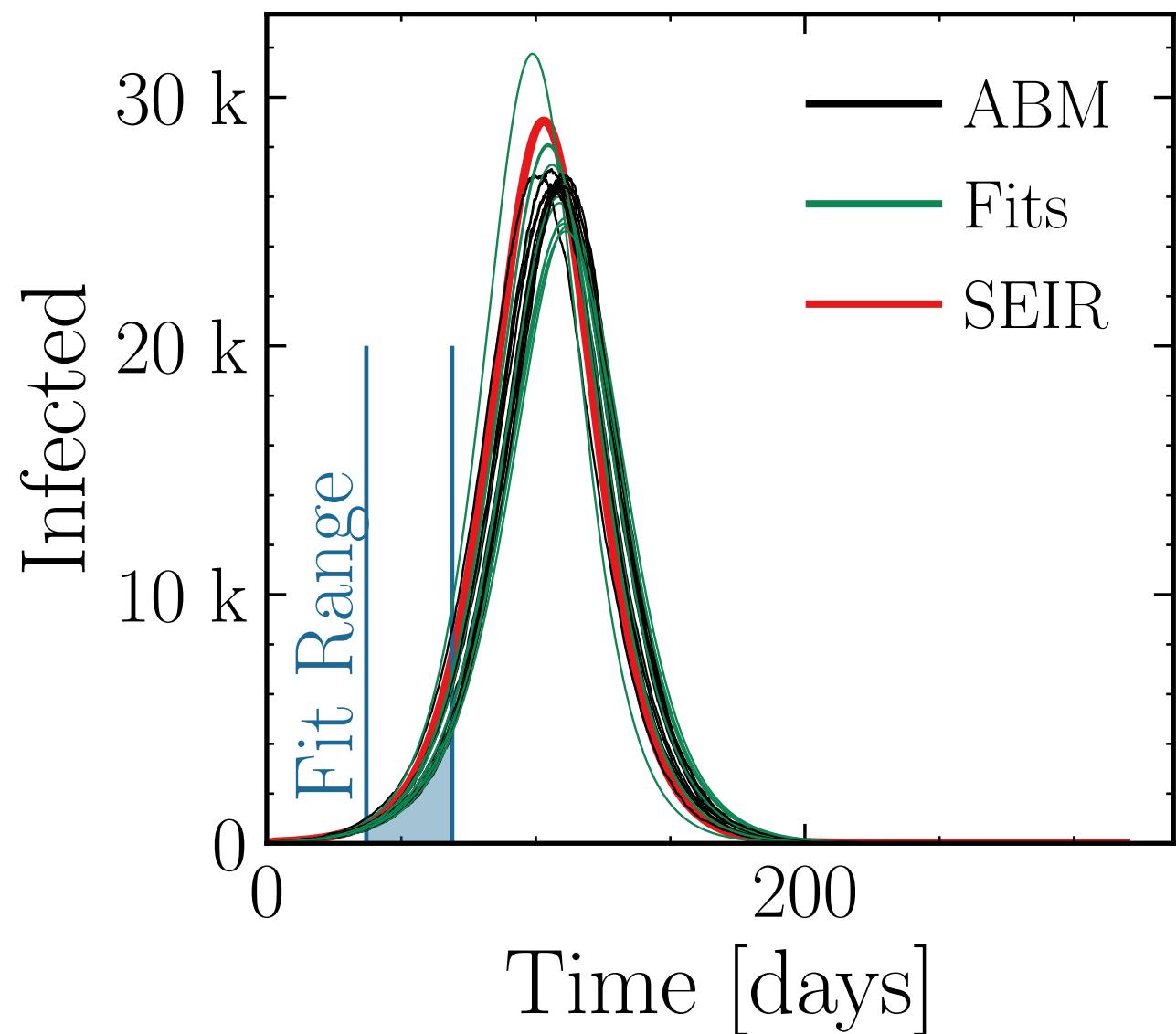
$N_{\text{events}} = 10$, event_{size_{max}} = 10, event_{size_{mean}} = 50.0, event _{β scaling} = 10.0, event_{weekendmultiplier} = 1.0

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

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 0.998 \pm 0.024 \quad v. = 1.0, \text{ hash} = 6b4b482e7e, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{fit}}} = (360 \pm 0.91\%) \cdot 10^3$$

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



$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, 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_{size_{max}} = 15, event_{size_{mean}} = 50.0, event _{β scaling} = 10.0, event_{weekendmultiplier} = 1.0

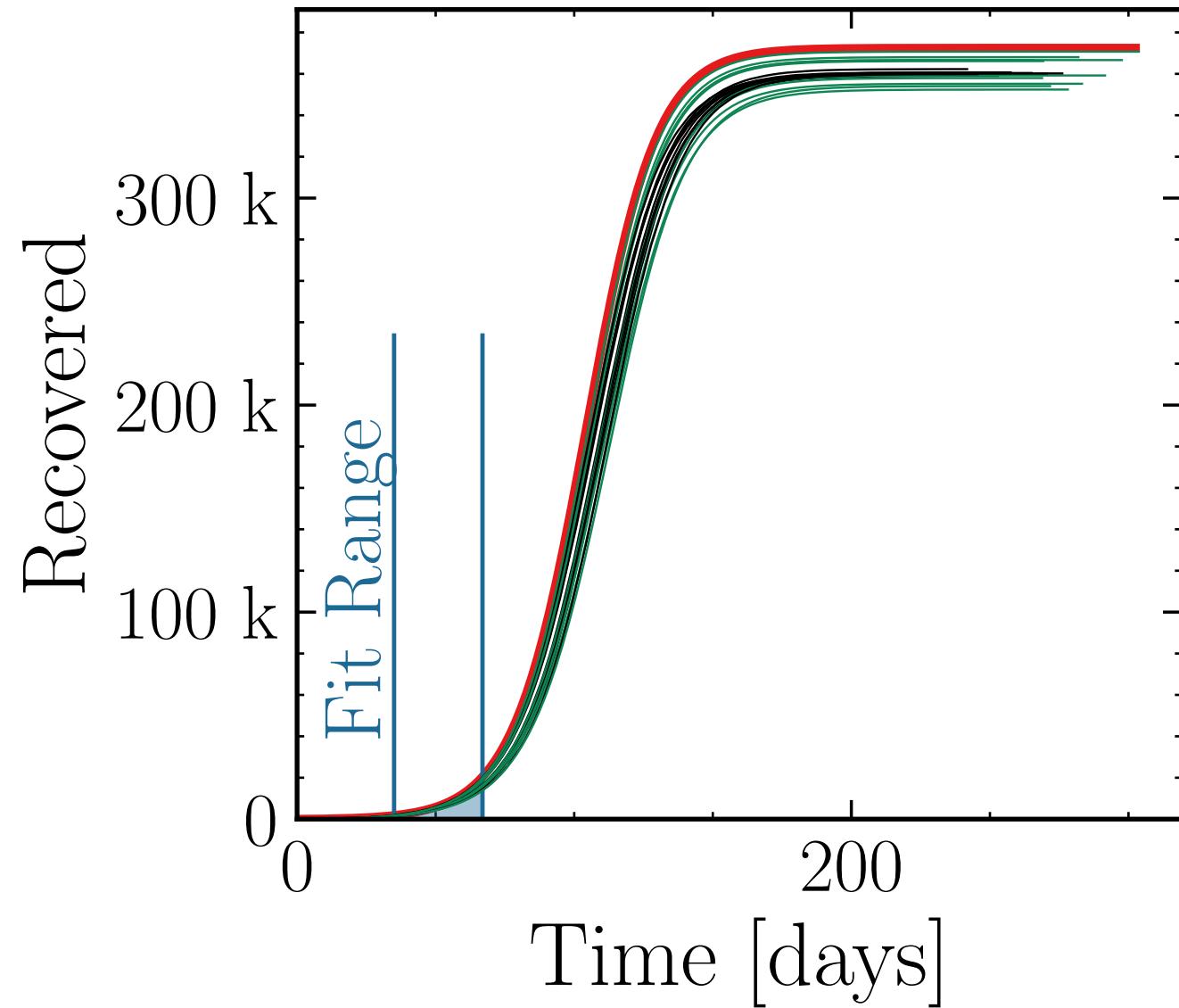
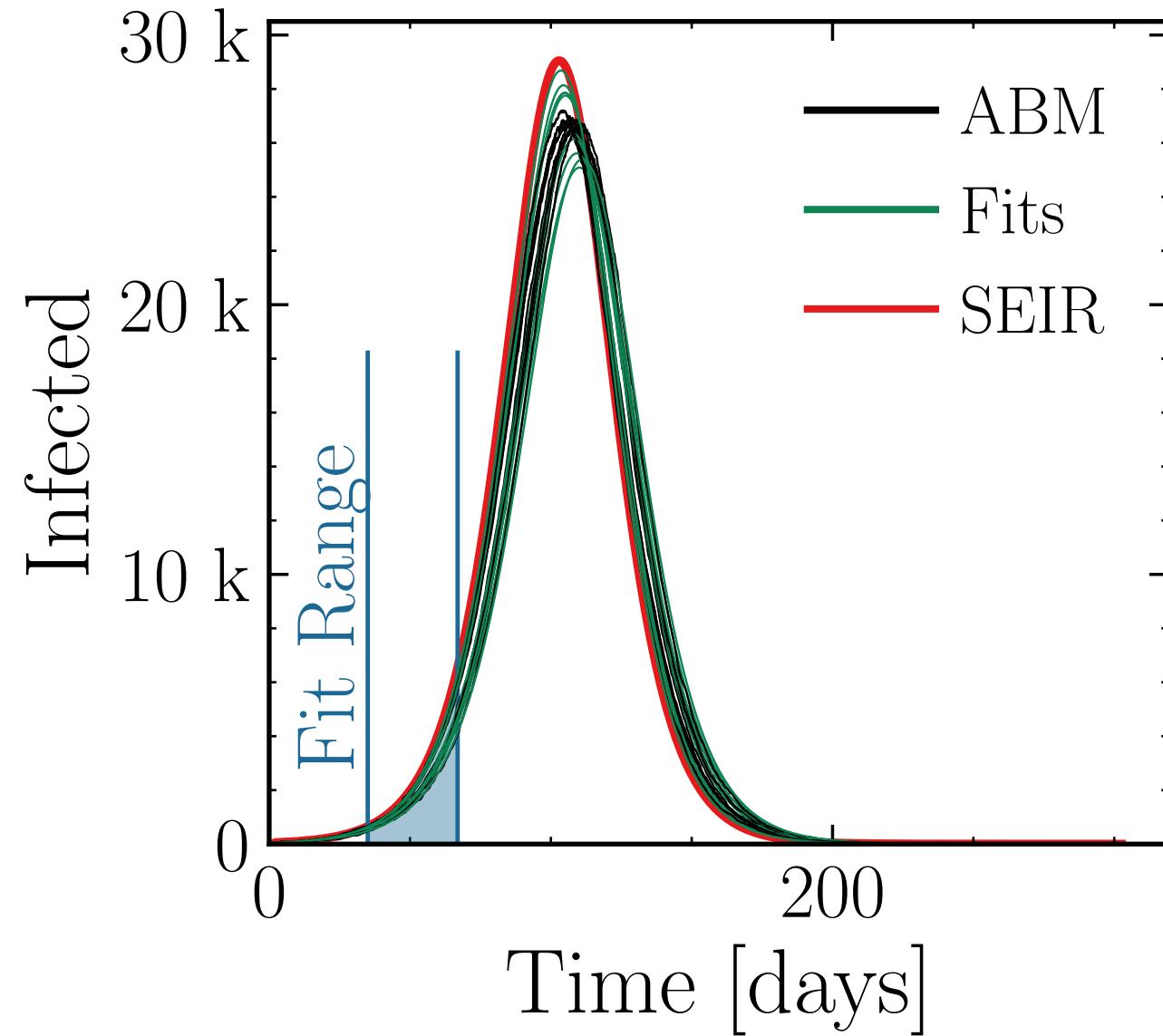
$$I_{\text{max}}^{\text{fit}} = (26.9 \pm 1.5\%) \cdot 10^3$$

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

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

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

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{fit}, \#10}} = 1.004 \pm 0.0053$$



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

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

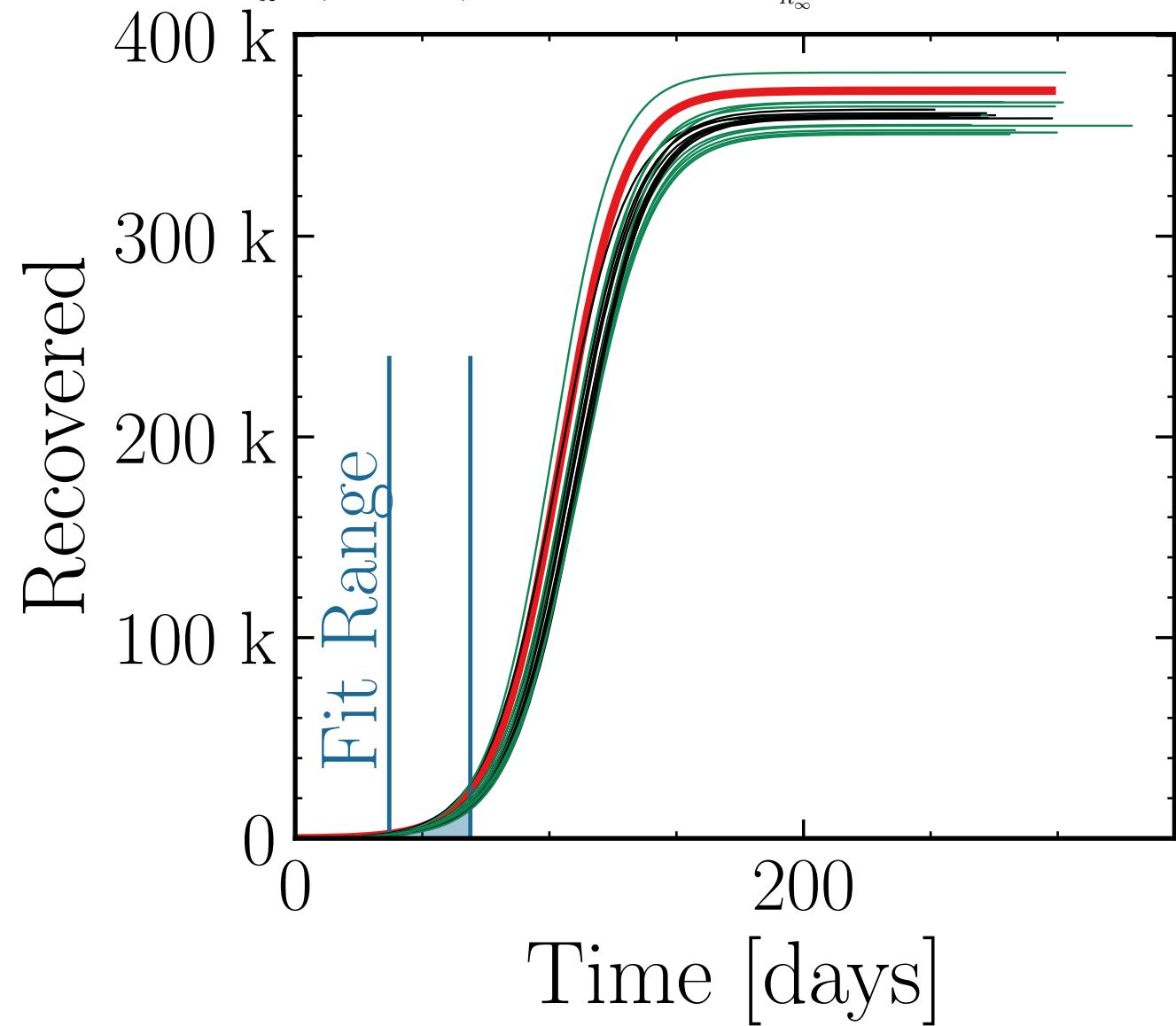
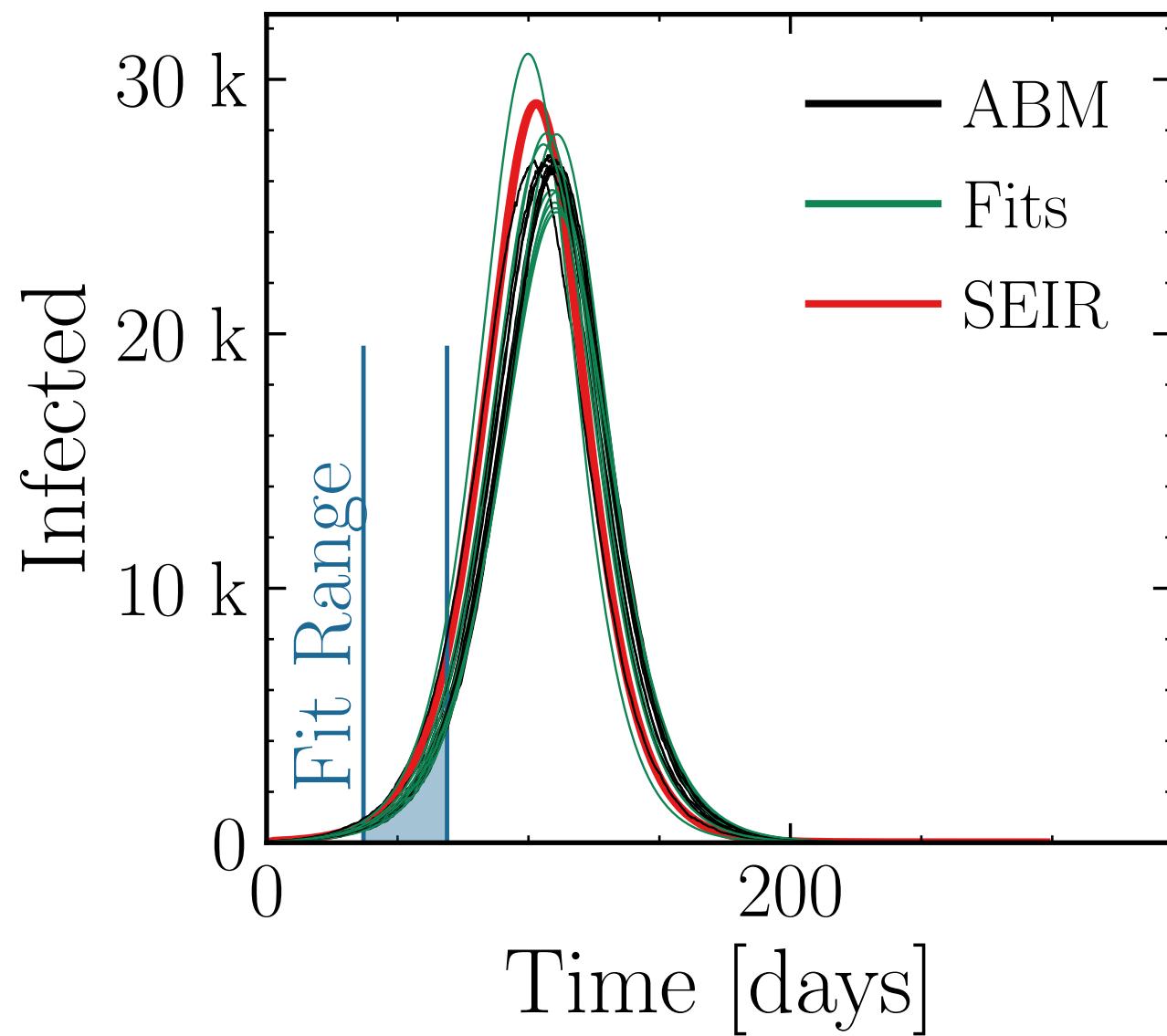
$N_{\text{events}} = 10$, event_{size_{max}} = 20, event_{size_{mean}} = 50.0, event _{β scaling} = 10.0, event_{weekendmultiplier} = 1.0

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

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{ABM}}^{\text{max}}} = 0.999 \pm 0.021 \quad v. = 1.0, \text{ hash} = 4cb3b72159, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (361 \pm 0.8\%) \cdot 10^3$$

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



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

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

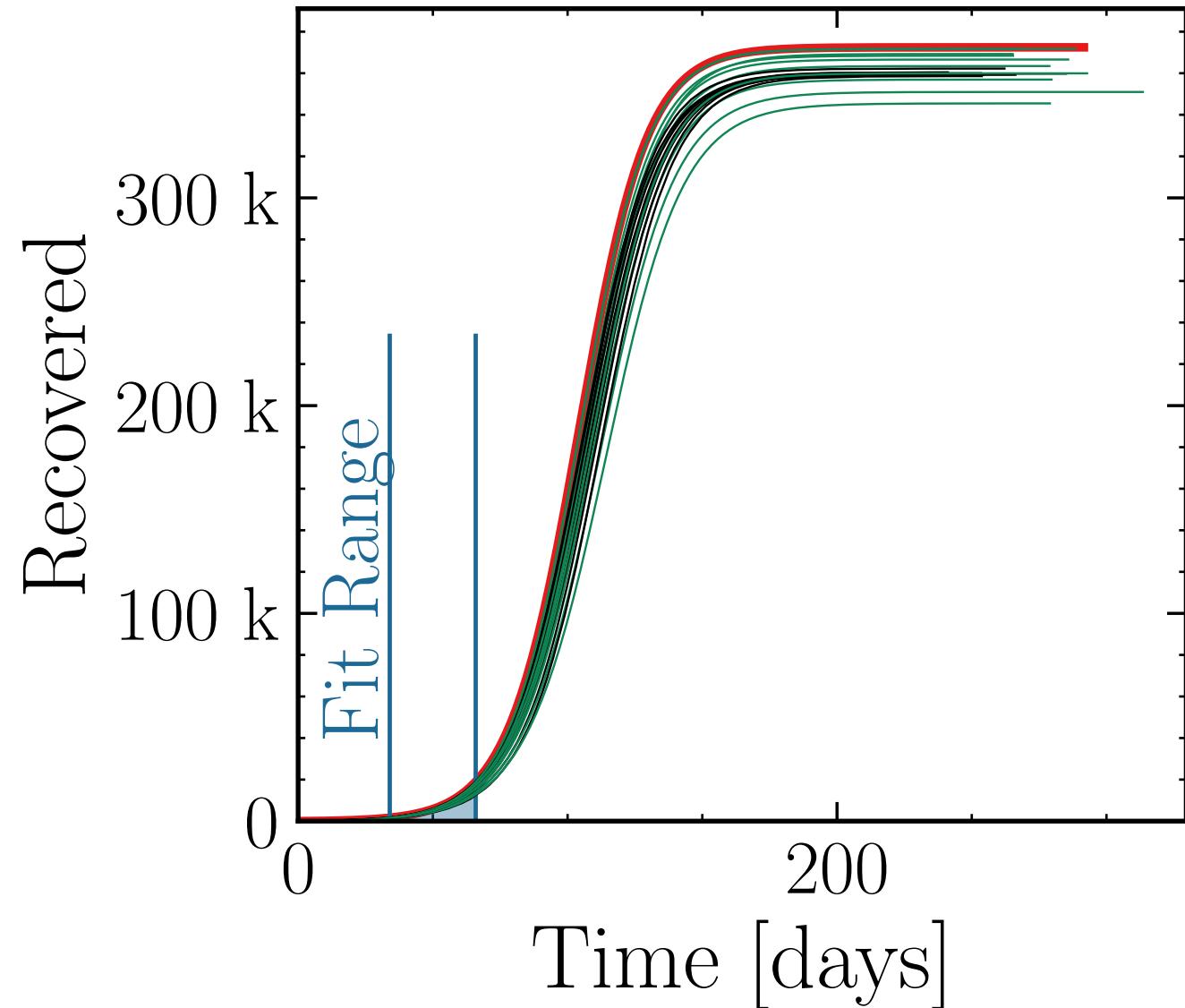
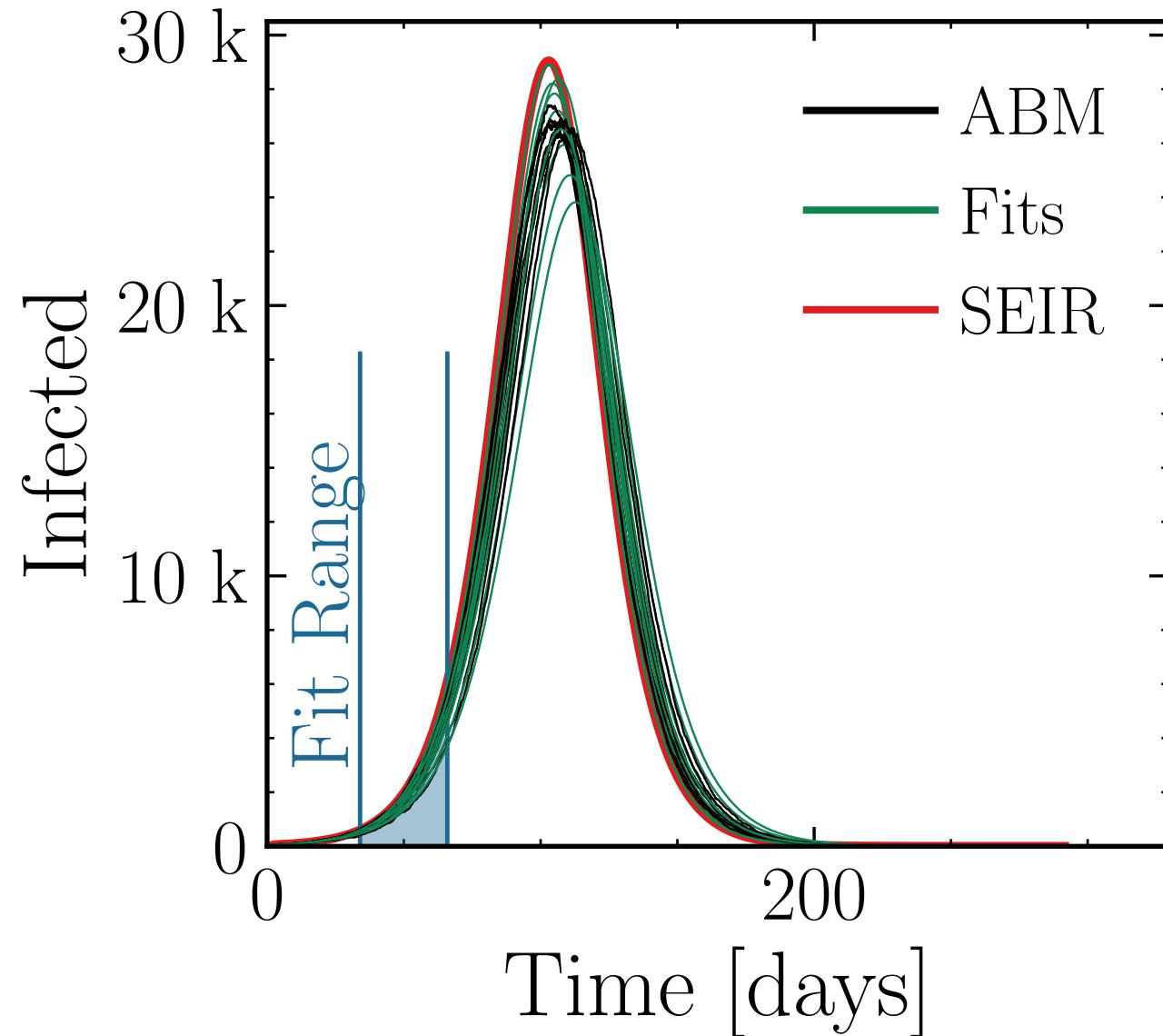
$N_{\text{events}} = 10$, event_{size_{max}} = 30, event_{size_{mean}} = 50.0, event _{β scaling} = 10.0, event_{weekendmultiplier} = 1.0

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

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

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

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



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

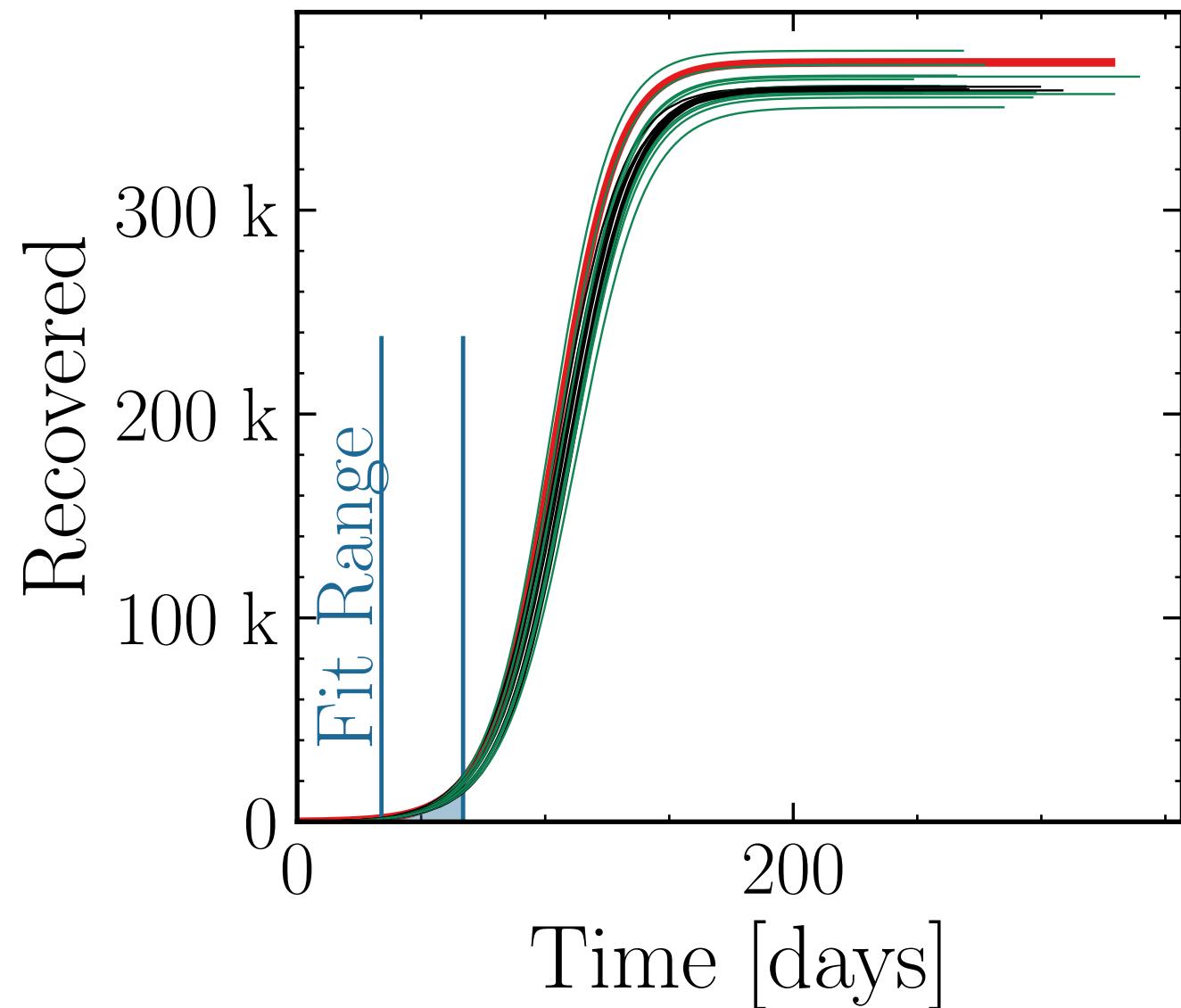
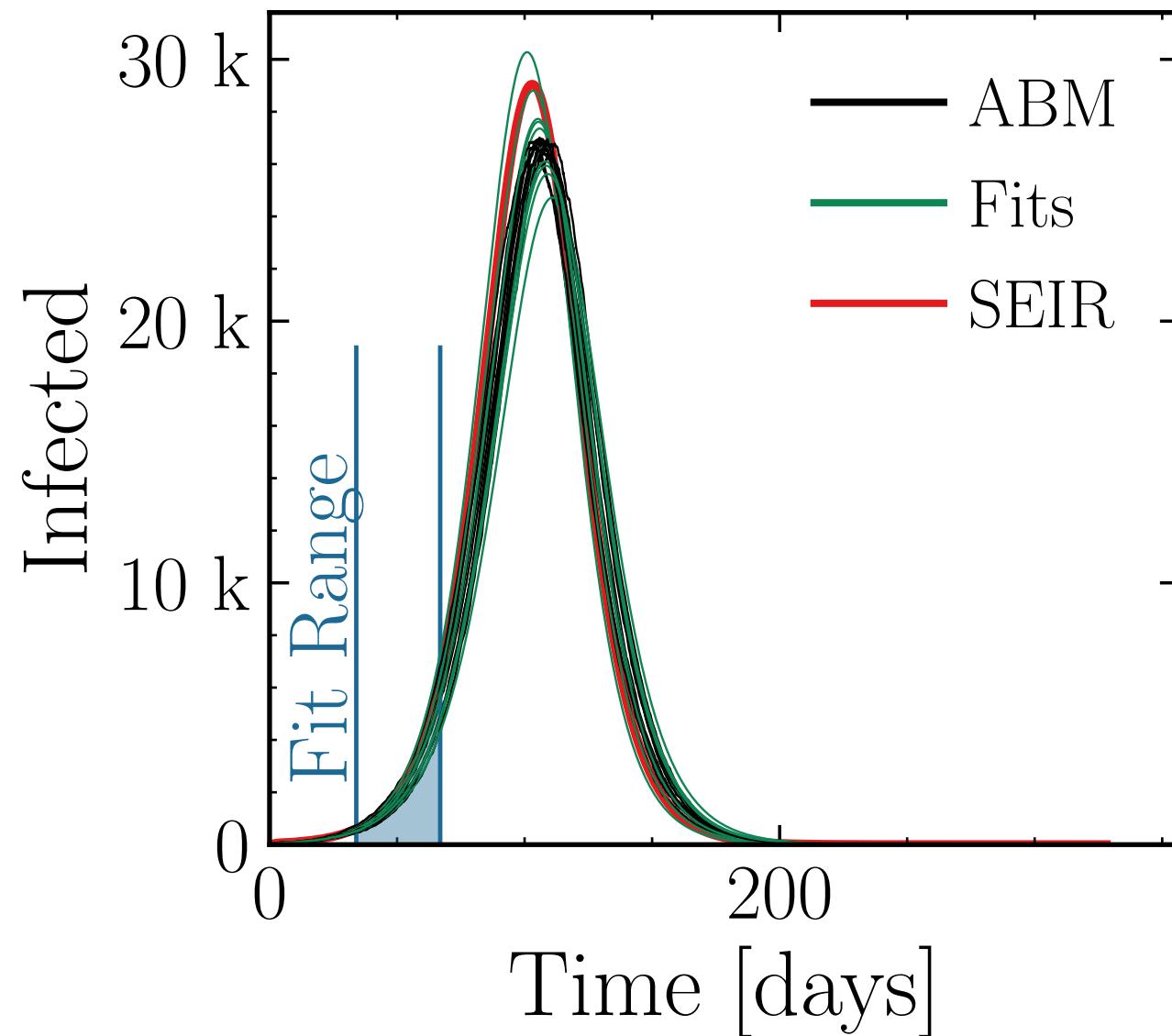
$\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 10$, event_{size_{max}} = 40, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

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

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1.01 \pm 0.018 \quad v. = 1.0, \text{ hash} = 8ee391d0f6 \#10 \quad R_{\infty}^{\text{fit}} = (363 \pm 0.68\%) \cdot 10^3$$

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



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

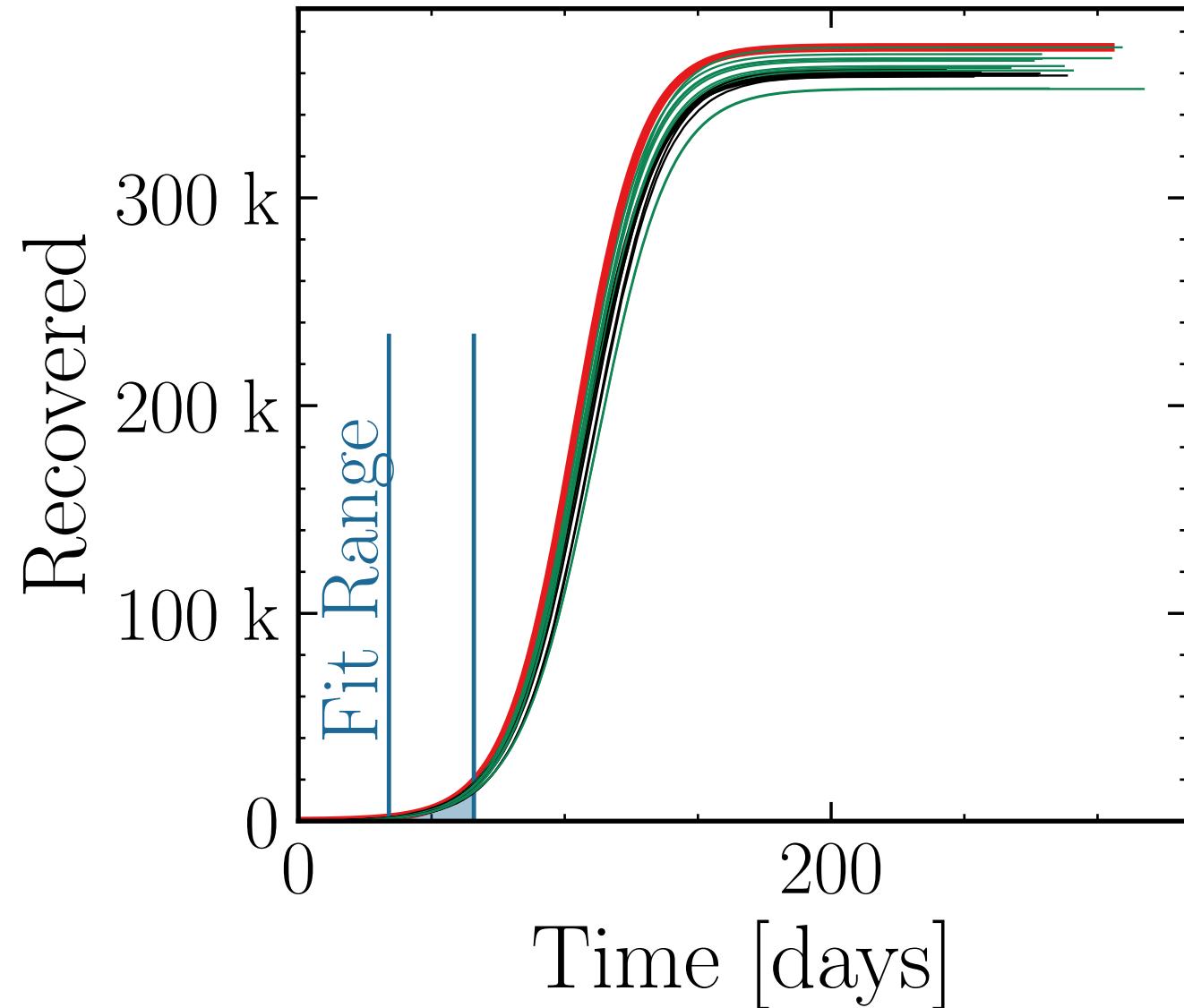
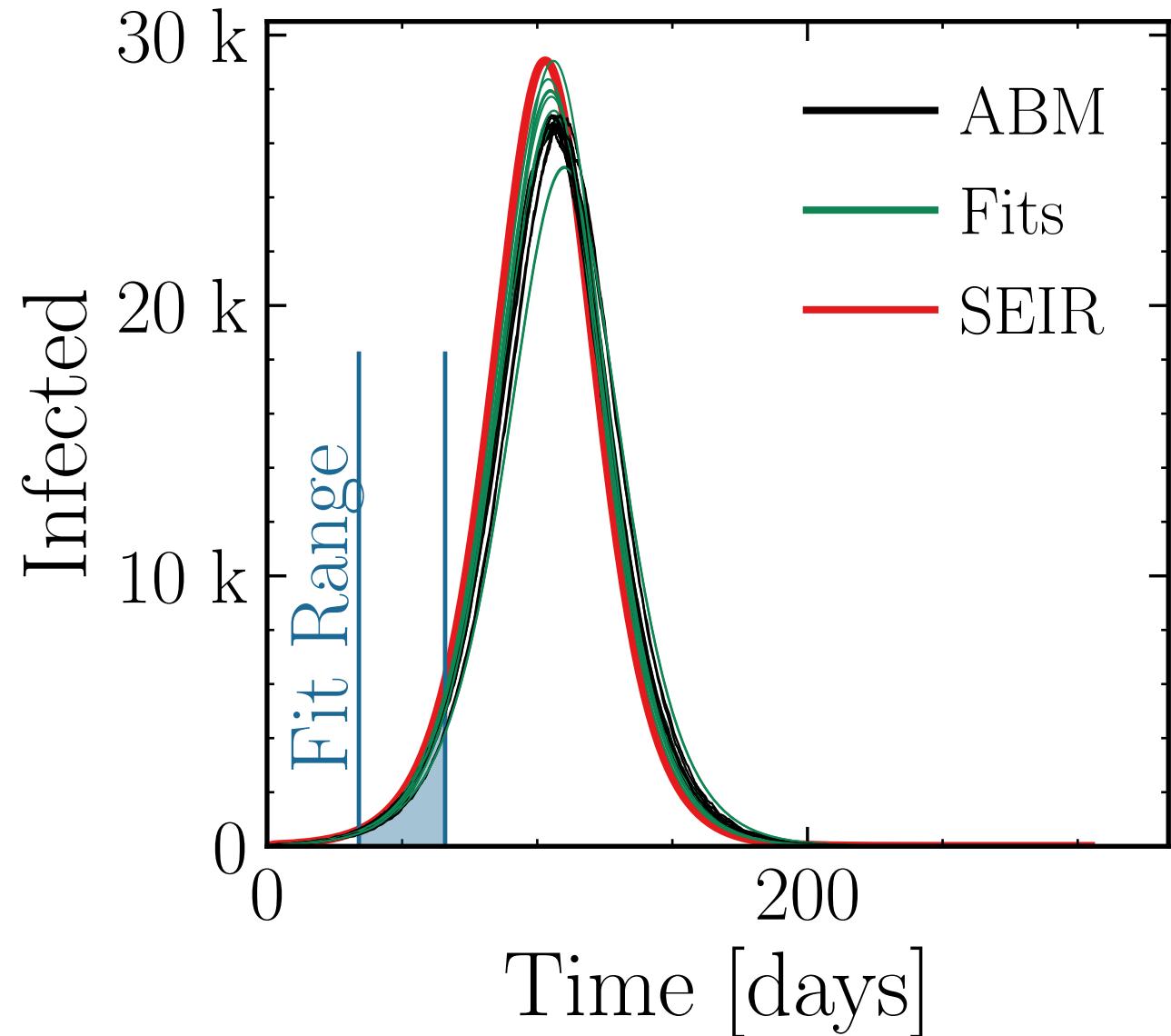
$\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 10$, event_{size_{max}} = 50, event_{size_{mean}} = 50.0, event _{β scaling} = 10.0, event_{weekendmultiplier} = 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, $N_{\text{retries}}^{\text{connect}} = 0$

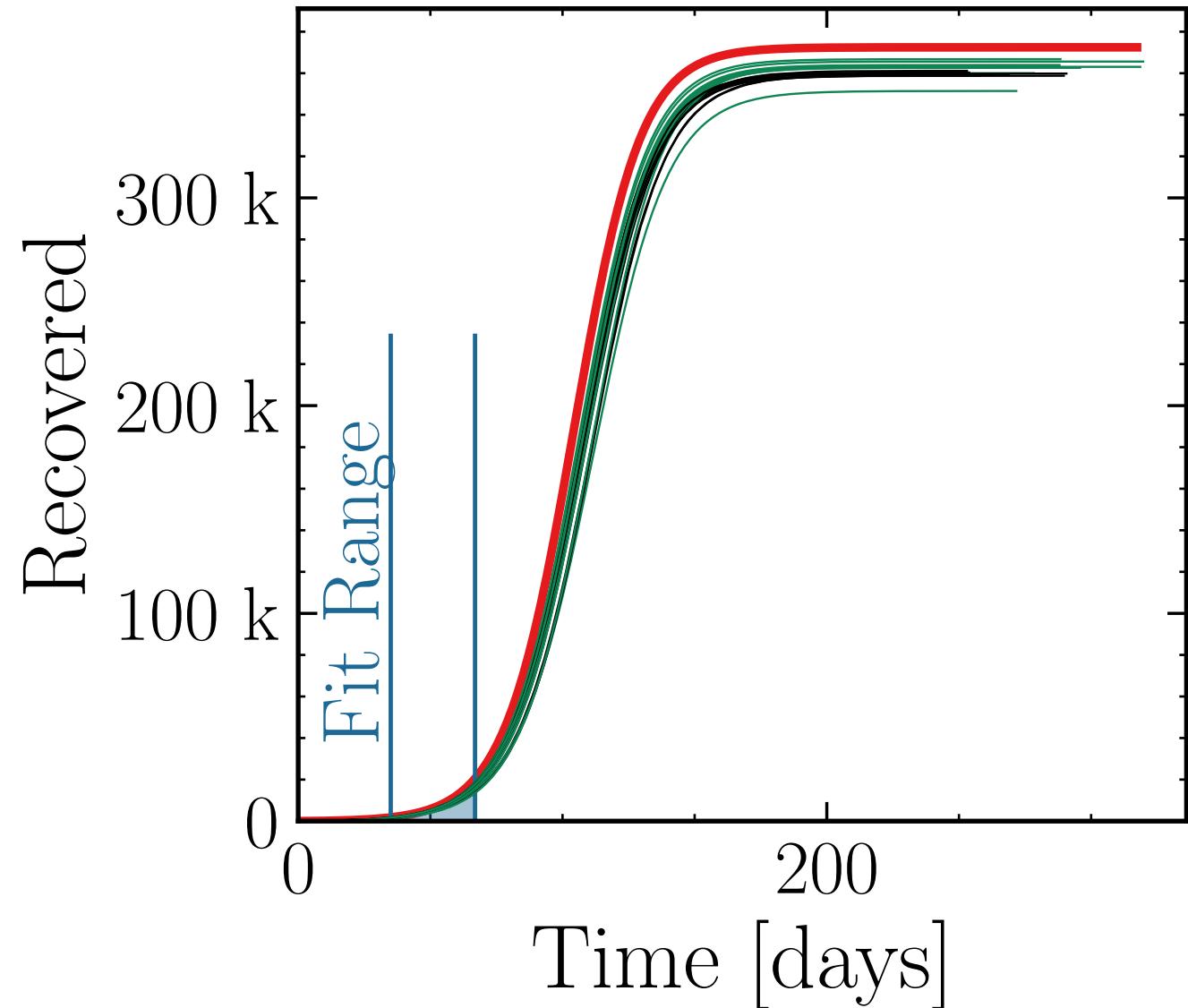
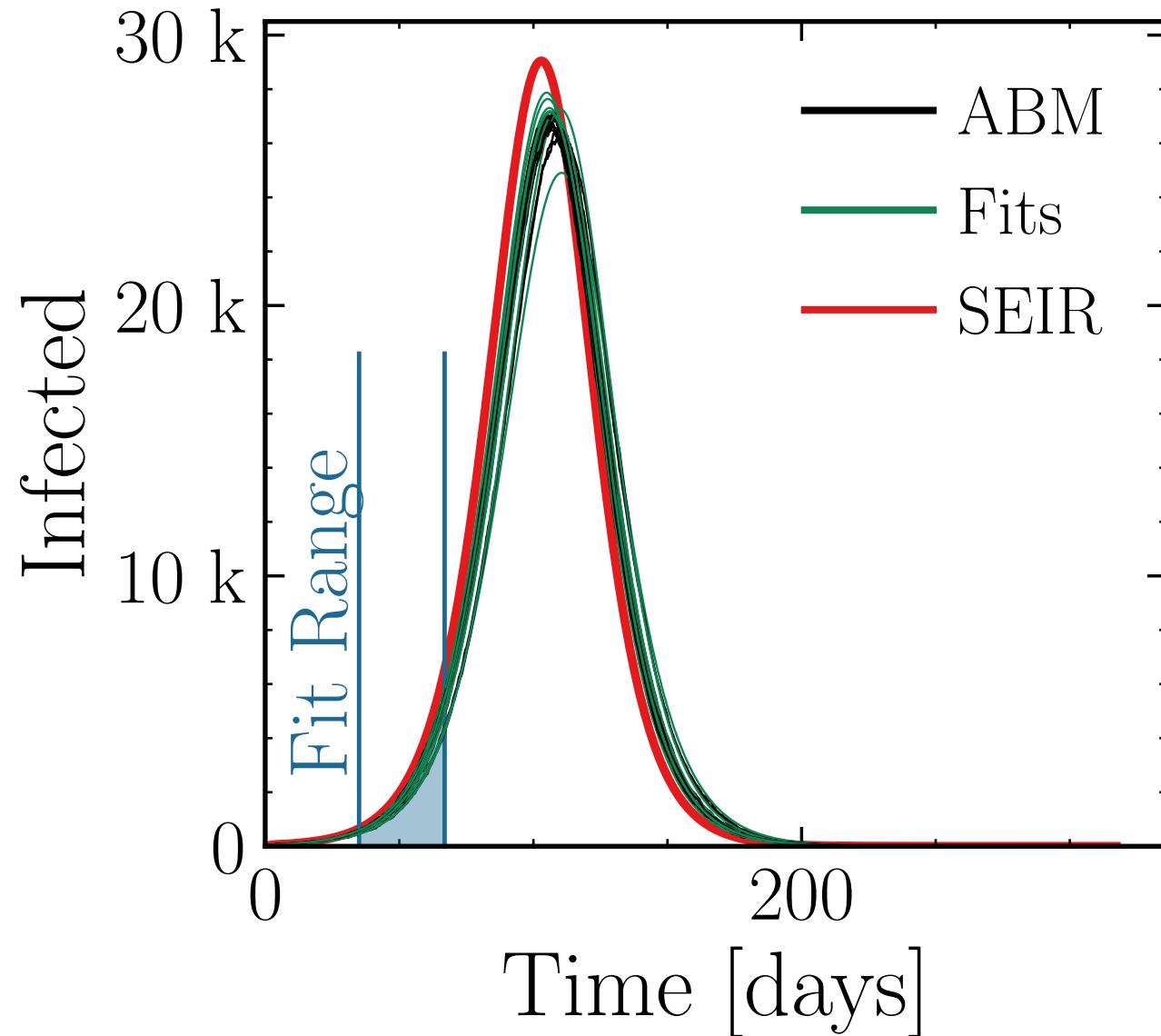
$N_{\text{events}} = 10$, event_{size_{max}} = 75, event_{size_{mean}} = 50.0, event _{β scaling} = 10.0, event_{weekendmultiplier} = 1.0

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

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1.009 \pm 0.0077 \text{ v.} = 1.0, \text{ hash} = 3201113359, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (362 \pm 0.35\%) \cdot 10^3$$

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



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

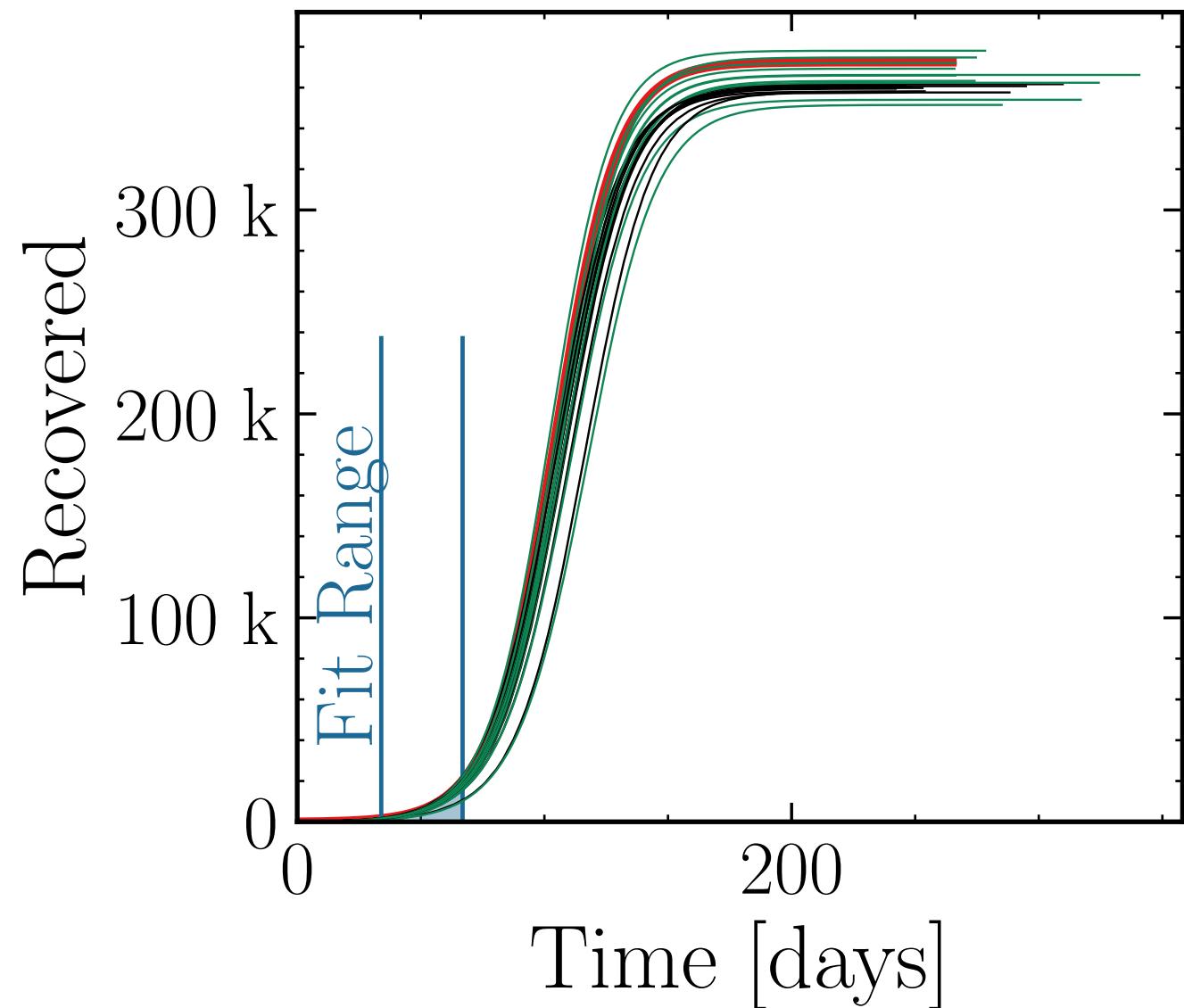
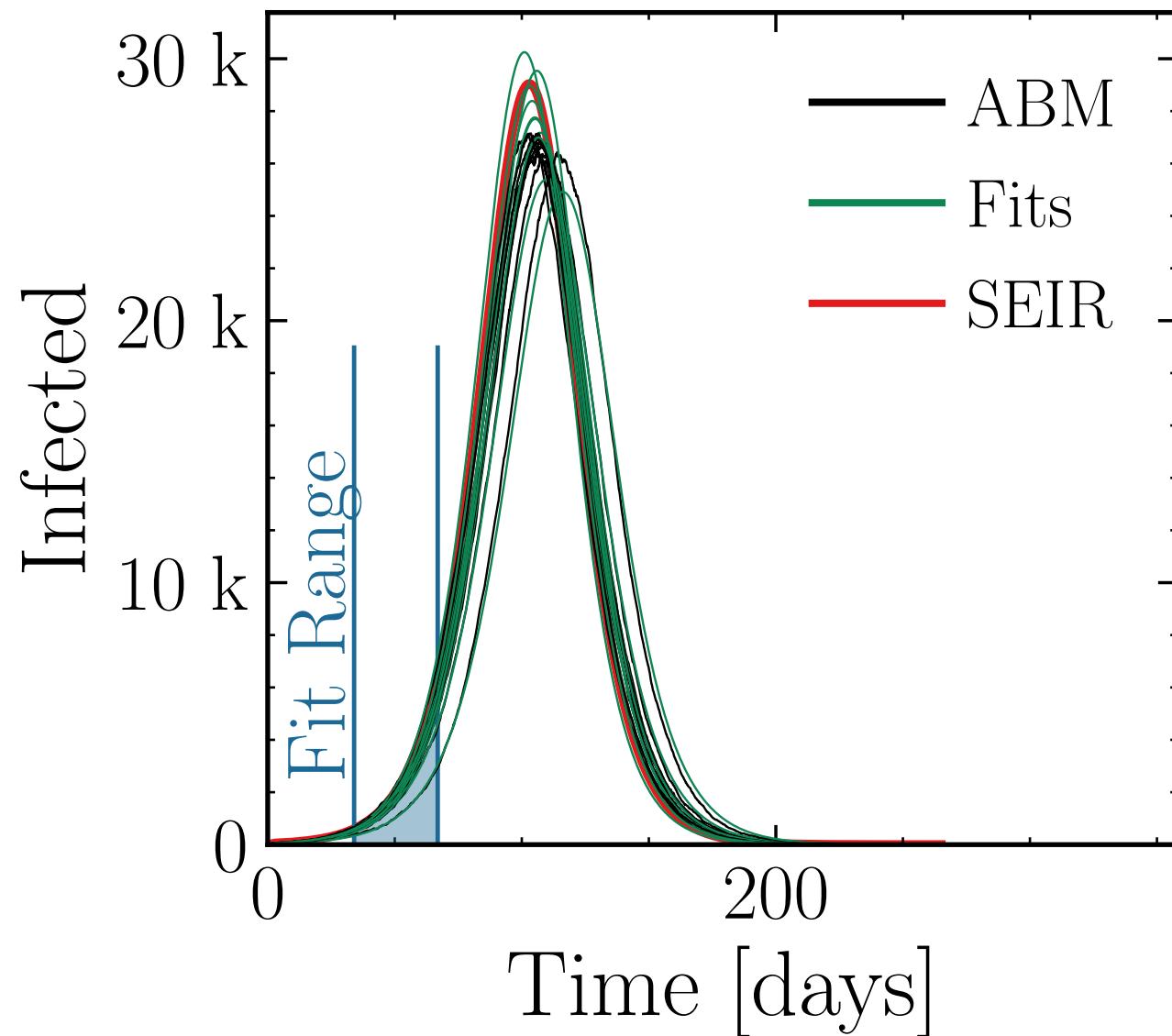
$\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 10$, event_{size_{max}} = 100, event_{size_{mean}} = 50.0, event _{β scaling} = 10.0, event_{weekendmultiplier} = 1.0

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

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{ABM}}^{\text{max}}} = 1.04 \pm 0.017 \quad v. = 1.0, \text{hash} = \text{cf5cfc77c6f}\#10 \quad R_{\infty}^{\text{fit}} = (366 \pm 0.7\%) \cdot 10^3$$

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



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

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

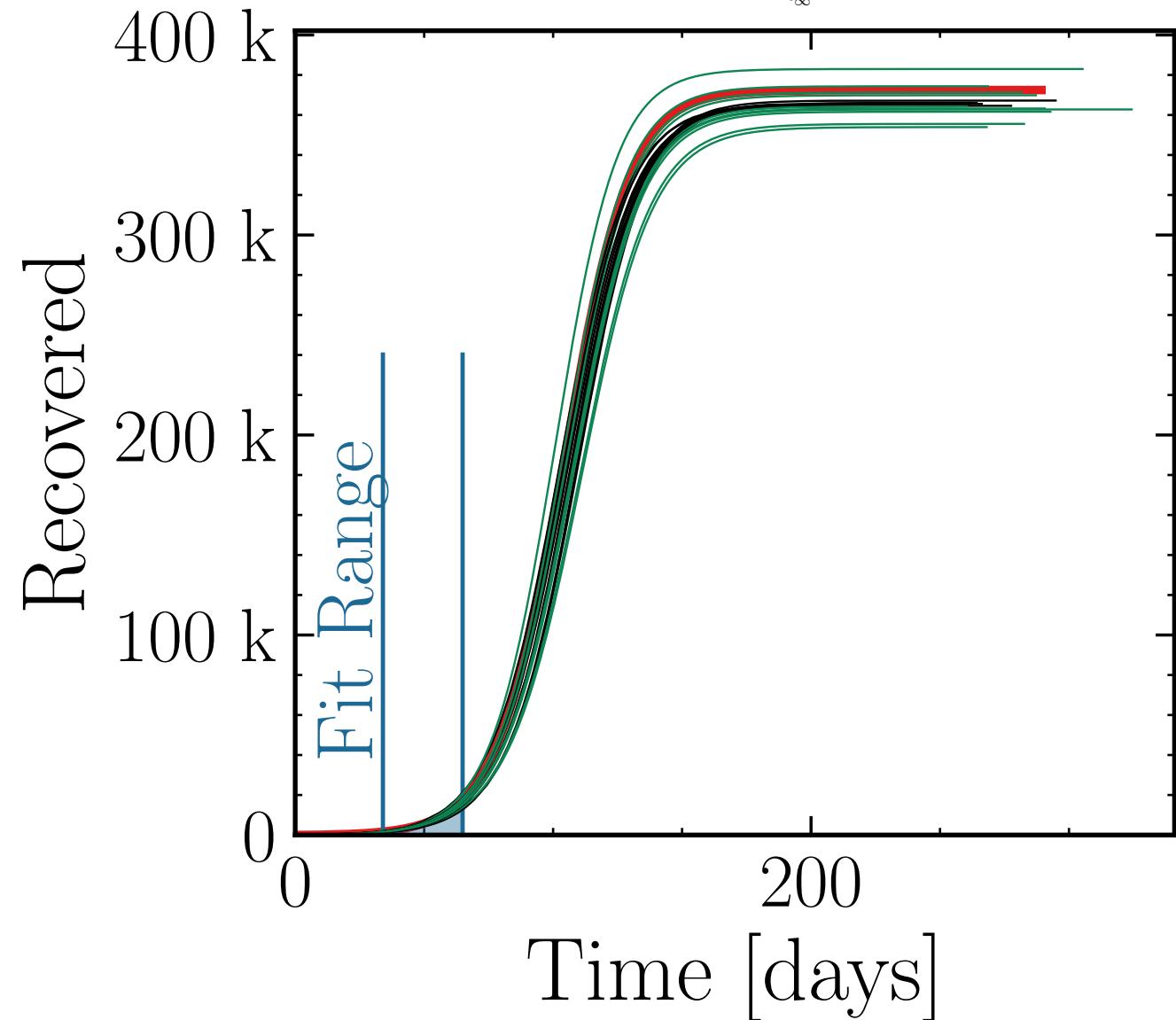
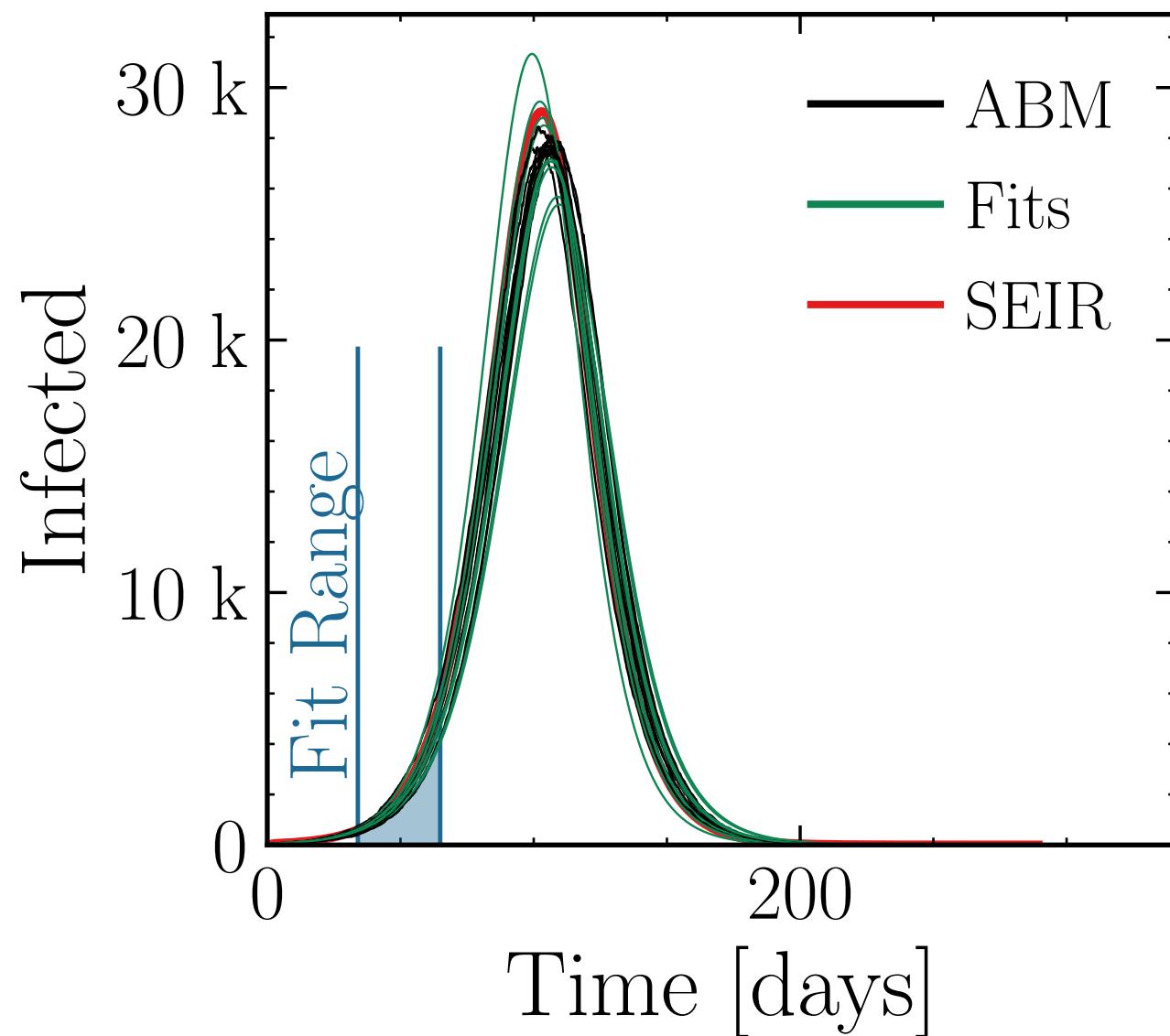
$N_{\text{events}} = 100$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

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

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

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

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



$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, 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_{size_{max}} = 1, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

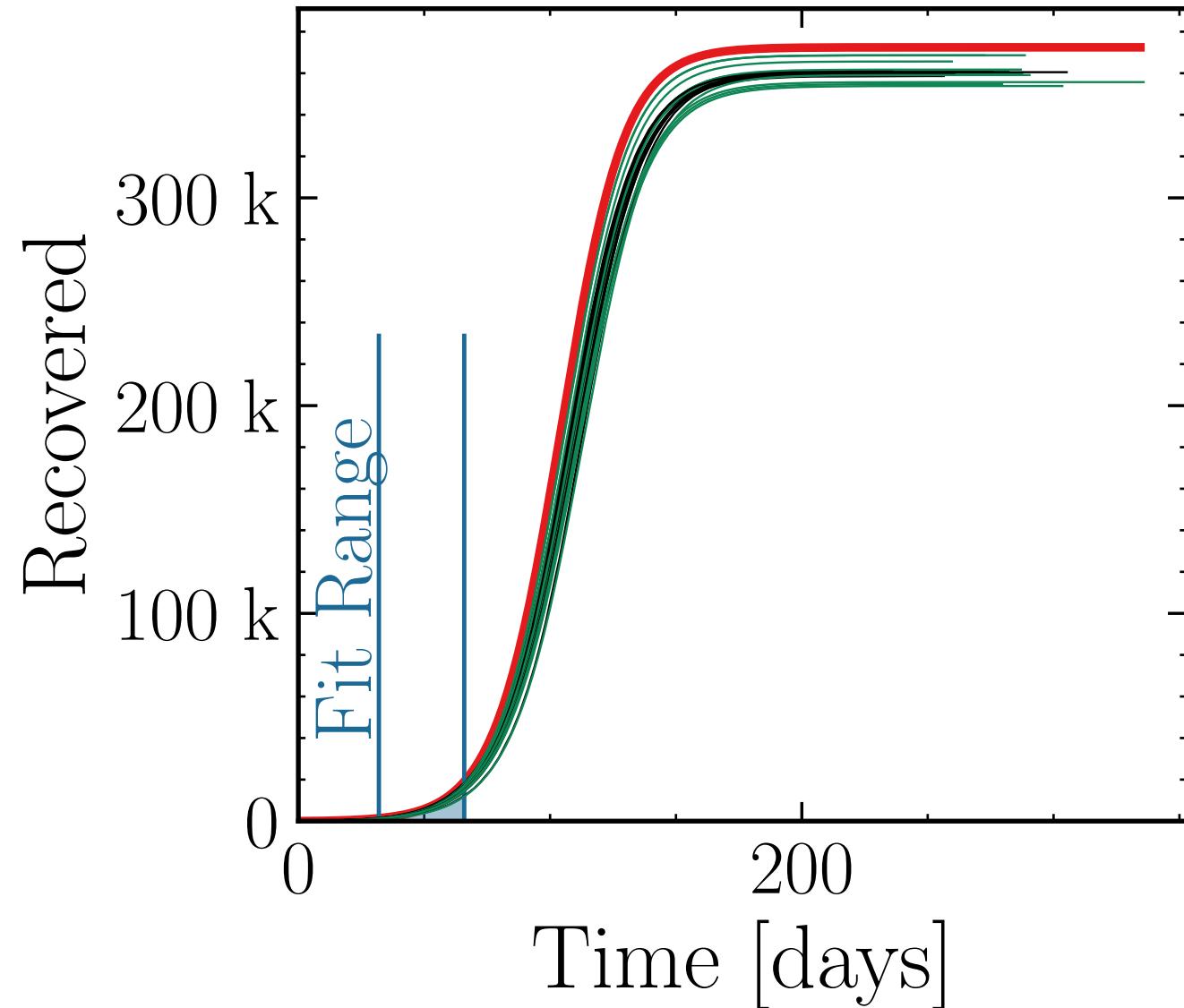
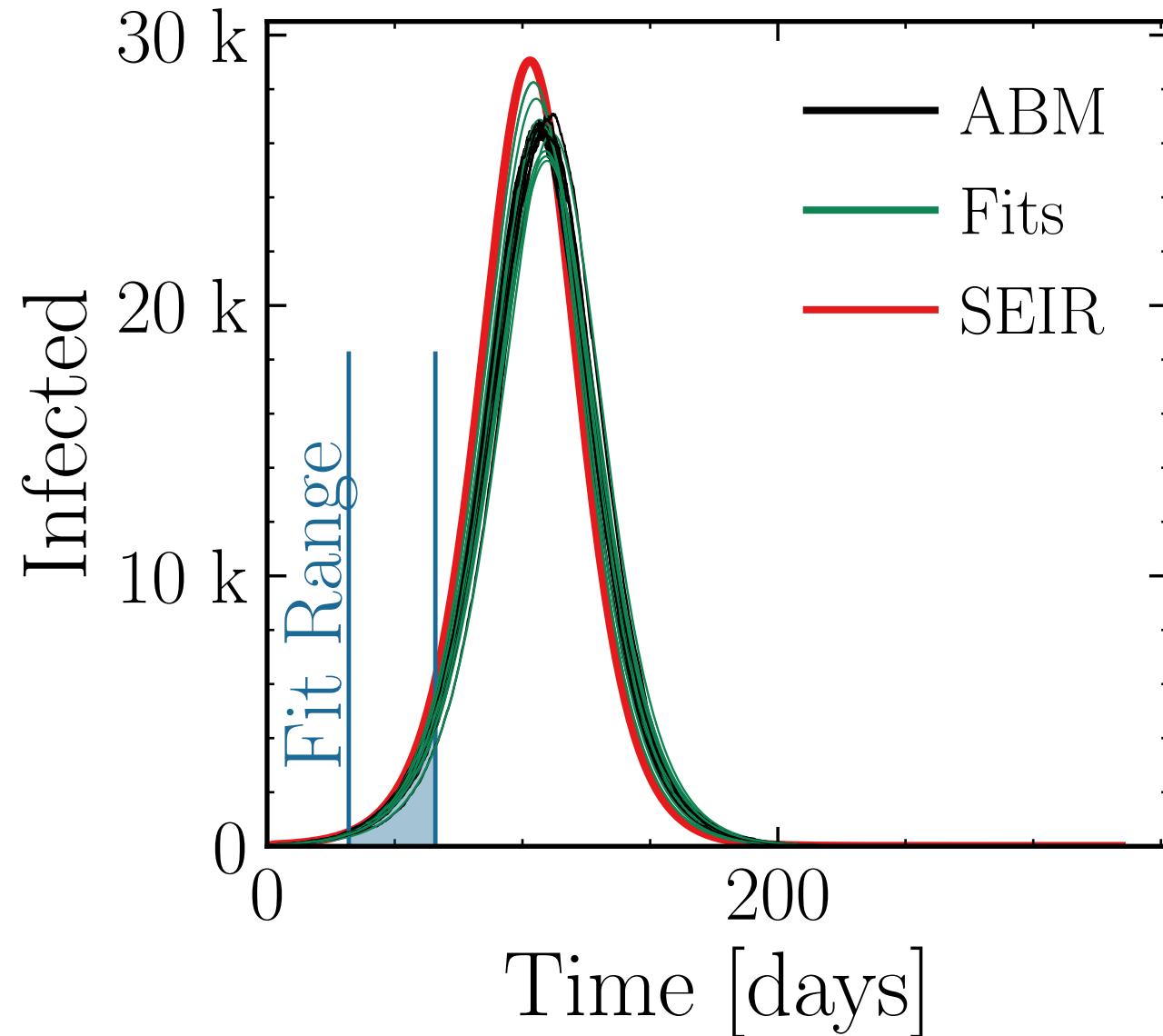
$$I_{\text{max}}^{\text{fit}} = (26.7 \pm 1.2\%) \cdot 10^3$$

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

$$\text{v.} = 1.0, \text{hash} = 2f6a7a418b, \#10$$

$$R_{\infty}^{\text{fit}} = (361 \pm 0.45\%) \cdot 10^3$$

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



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

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

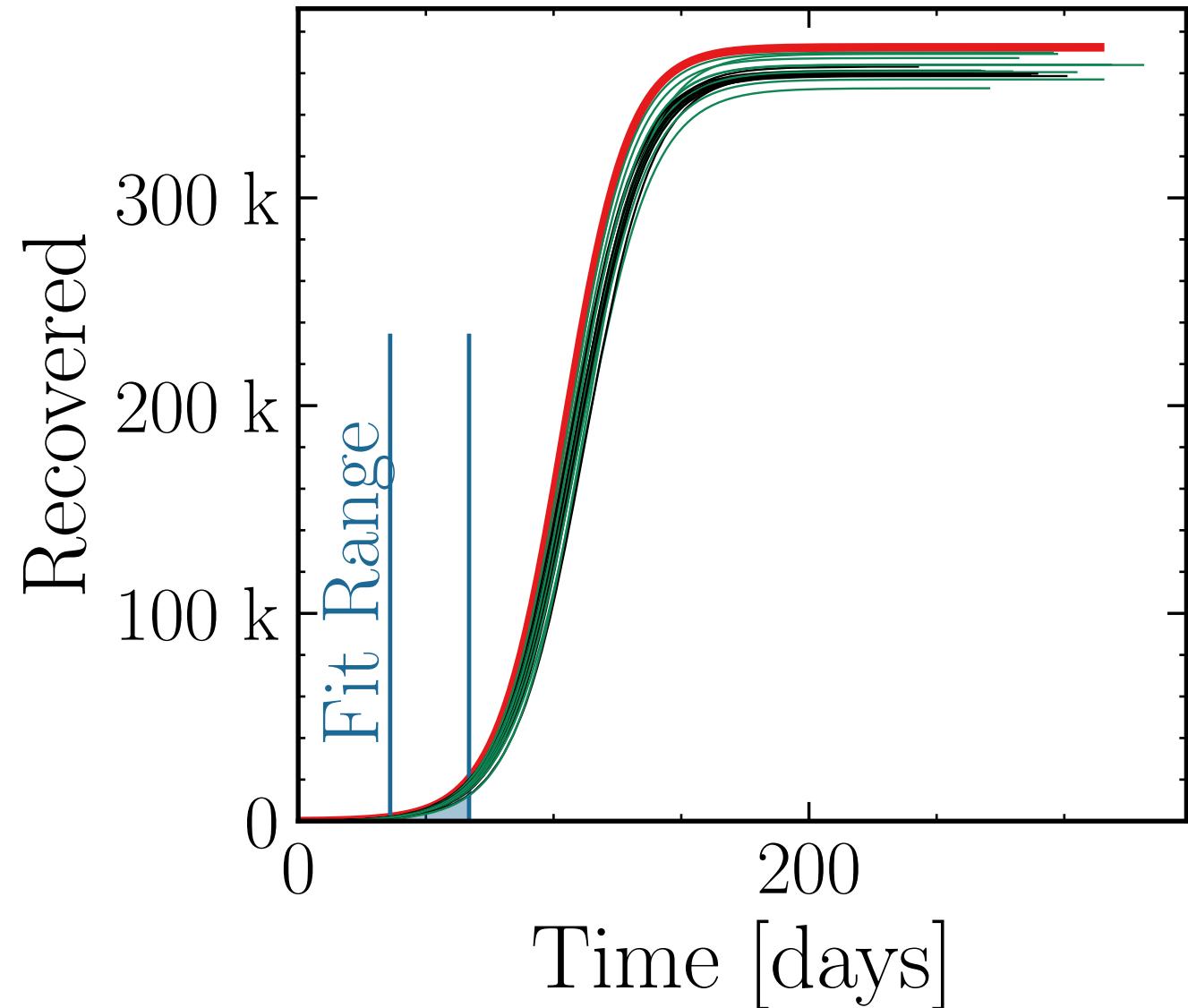
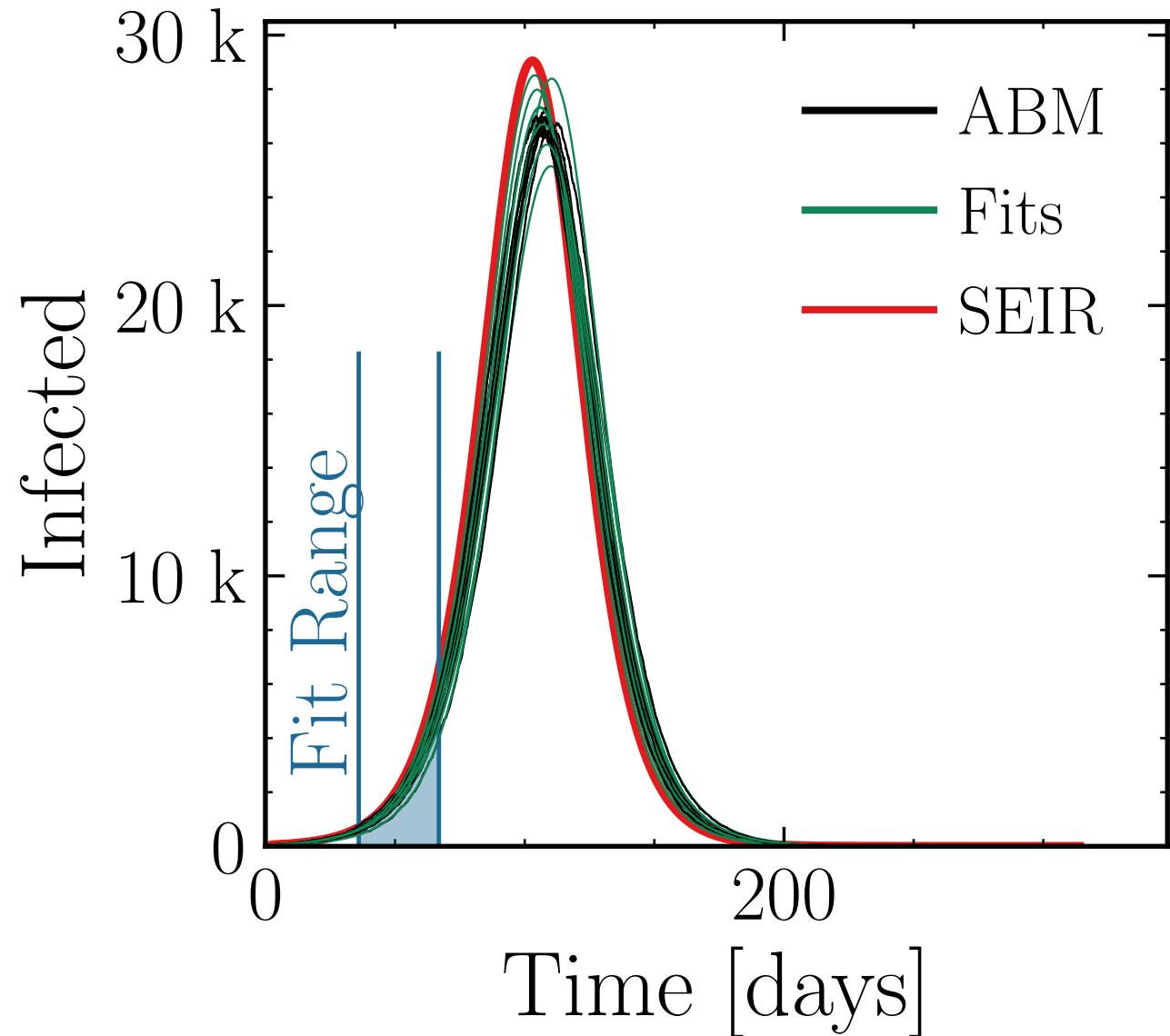
$N_{\text{events}} = 100$, event_{size_{max}} = 2, event_{size_{mean}} = 50.0, event _{β scaling} = 10.0, event_{weekendmultiplier} = 1.0

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

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1.01 \pm 0.012 \quad v. = 1.0, \text{hash} = 0f3ac2fc0a \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (363 \pm 0.45\%) \cdot 10^3$$

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



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

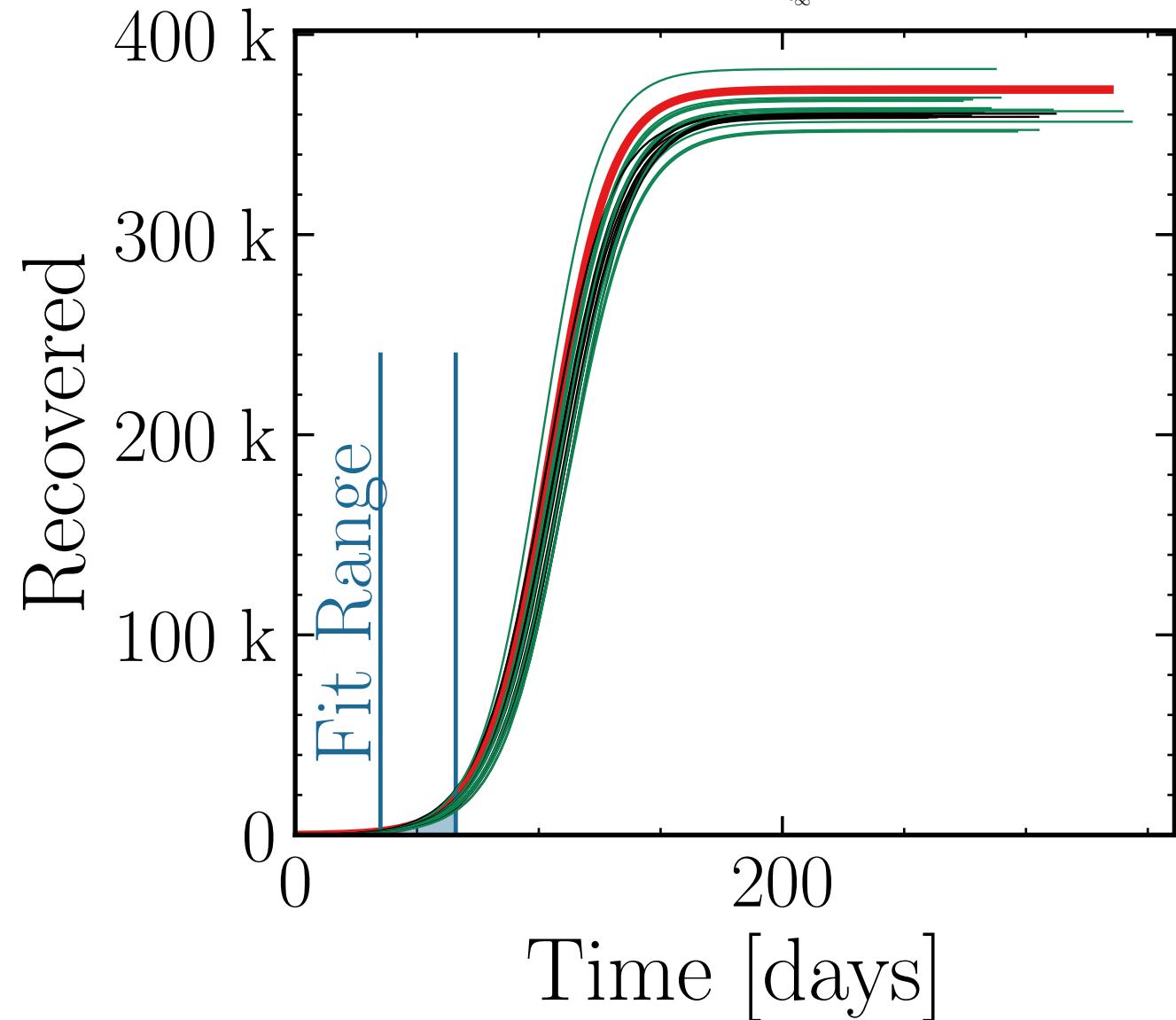
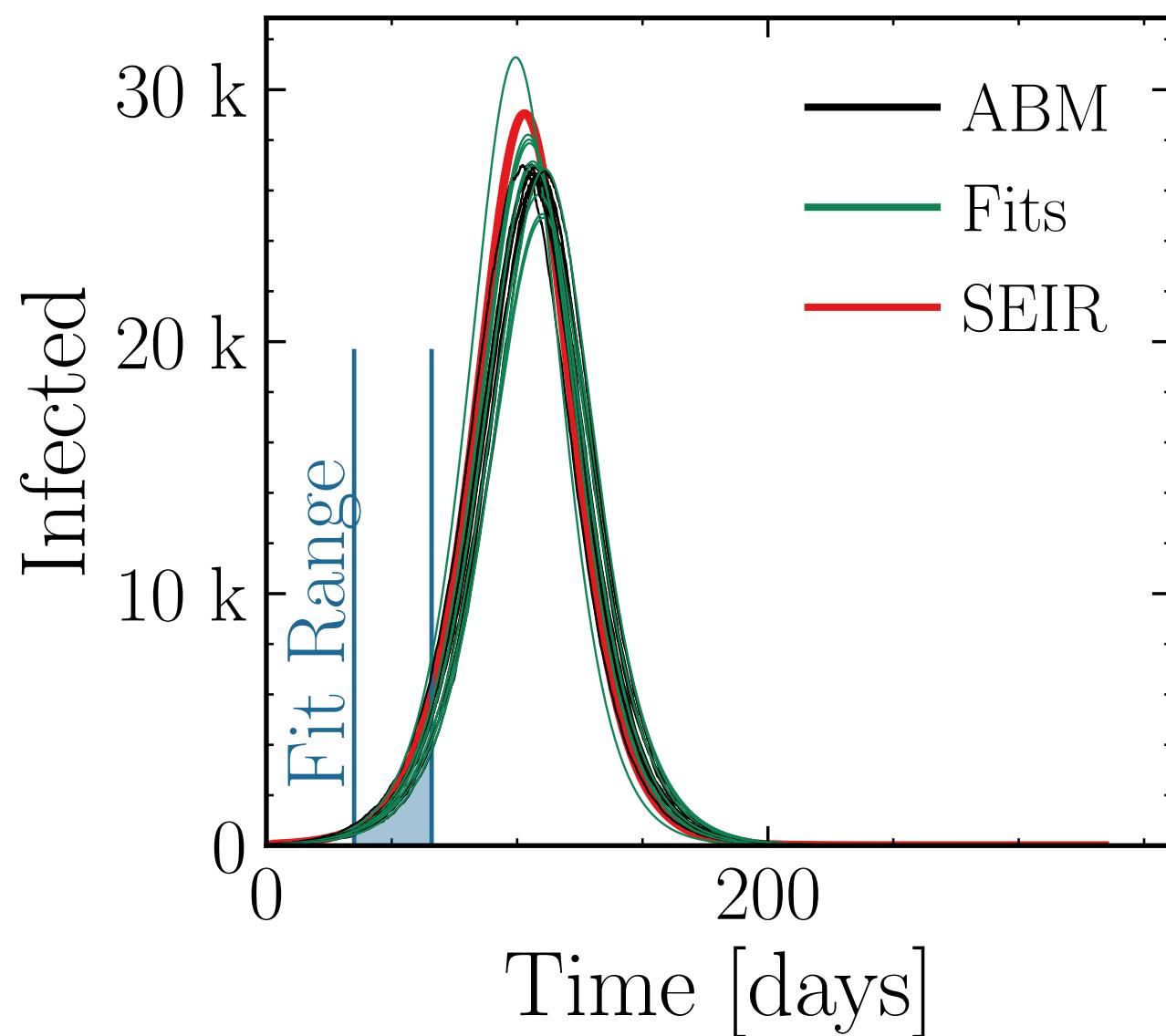
$\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 100$, event_{size_{max}} = 3, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

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

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{ABM}}^{\text{fit}}} = 1.02 \pm 0.020 \quad v. = 1.0, \text{ hash} = 42b1cf9e53, \#10 \\ R_{\infty}^{\text{fit}} = (363 \pm 0.75\%) \cdot 10^3$$

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



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

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

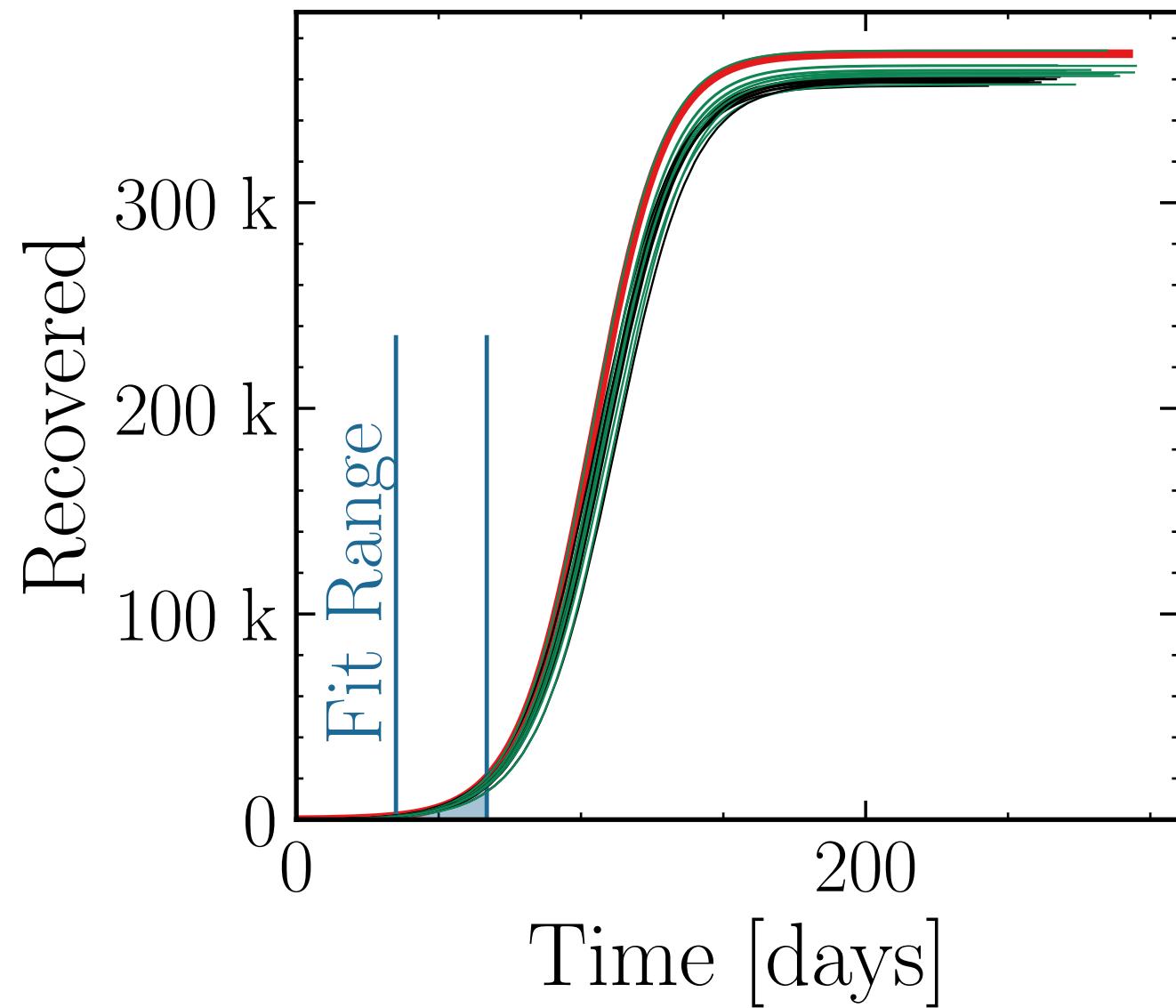
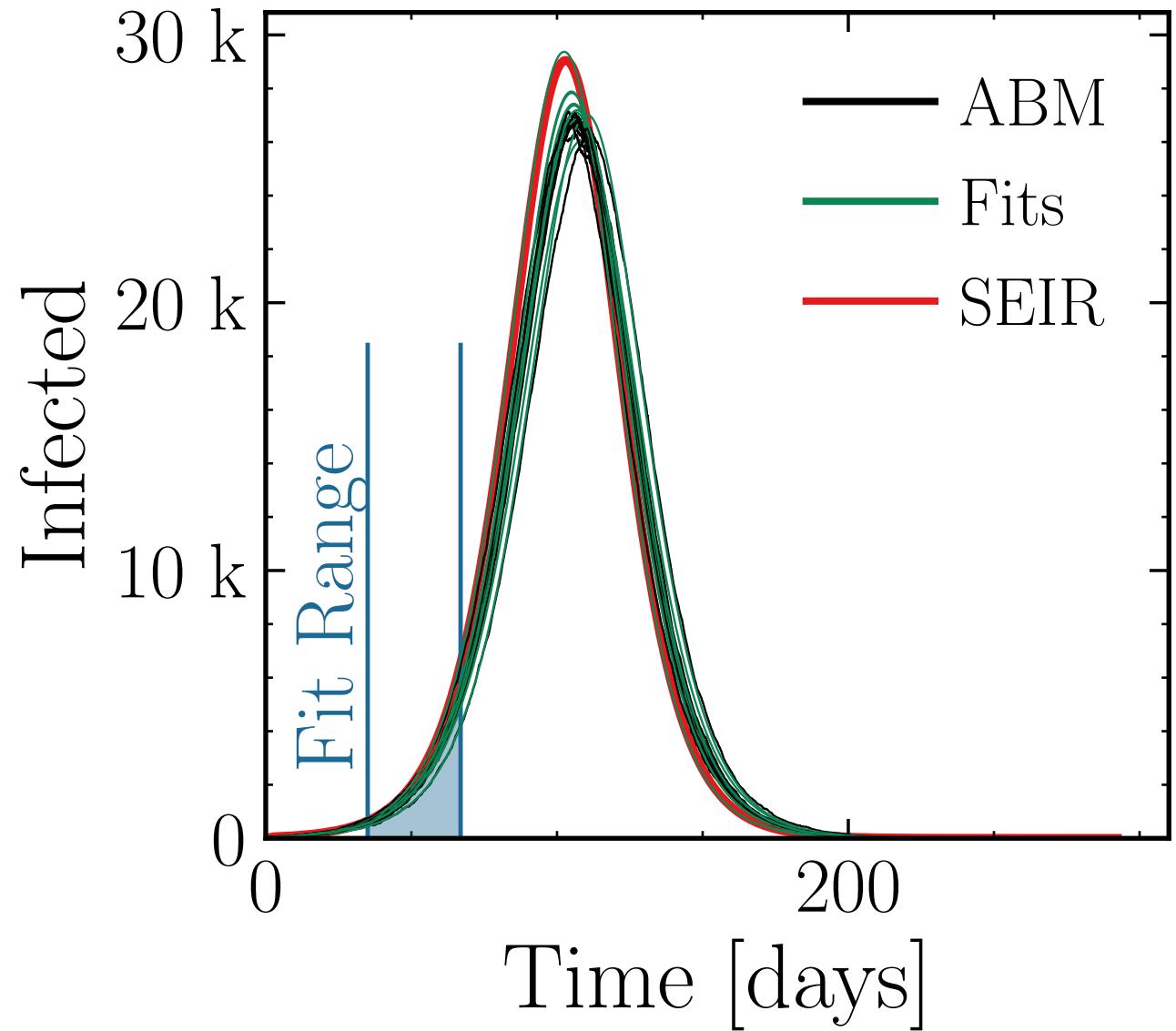
$N_{\text{events}} = 100$, event_{size_{max}} = 4, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

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

$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{ABM}}^{\text{max}}} = 1.02 \pm 0.011$ v. = 1.0, hash = cb366bfd26 #10

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

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



$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, 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_{size_{max}} = 5, event_{size_{mean}} = 50.0, event _{β scaling} = 10.0, event_{weekendmultiplier} = 1.0

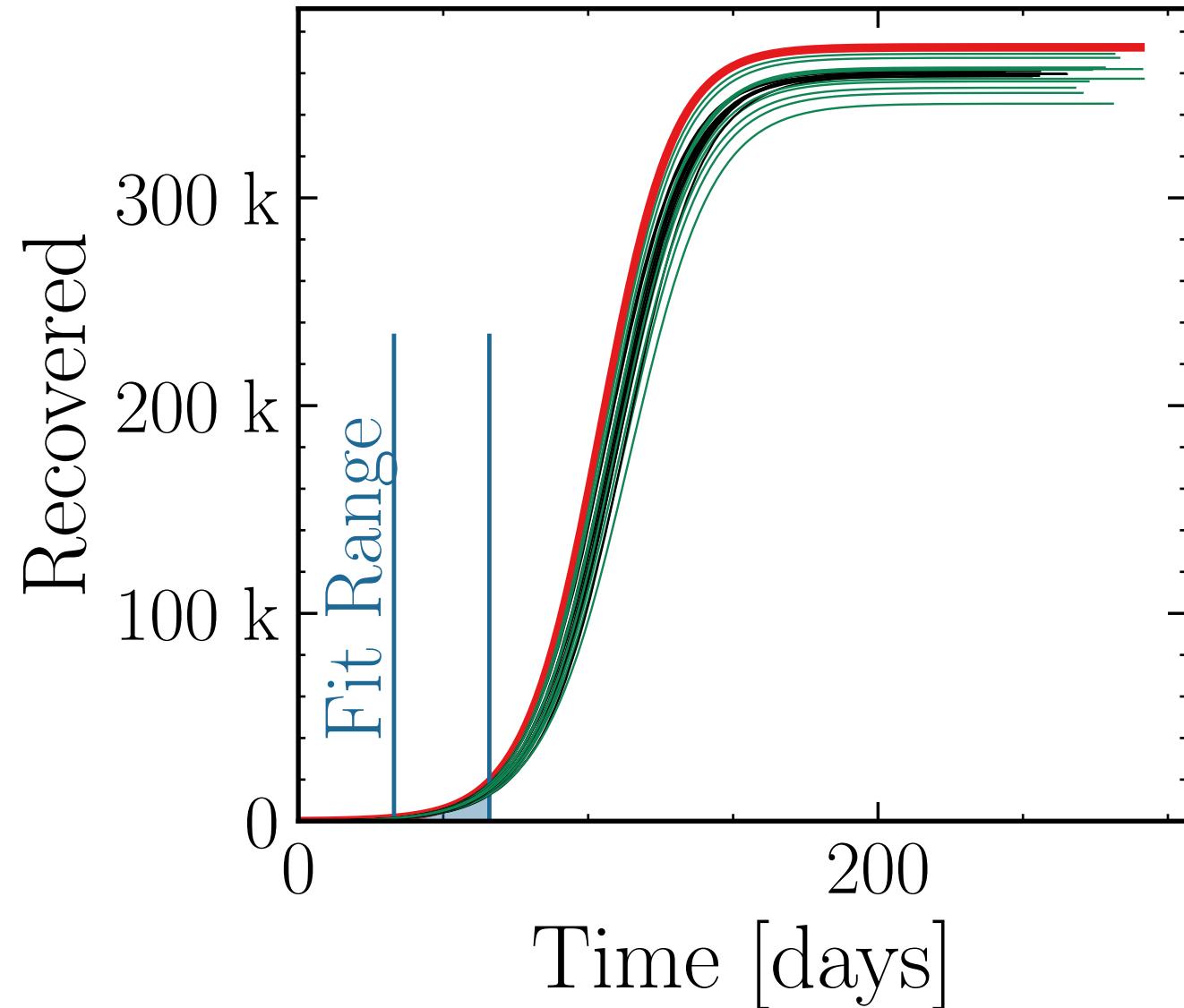
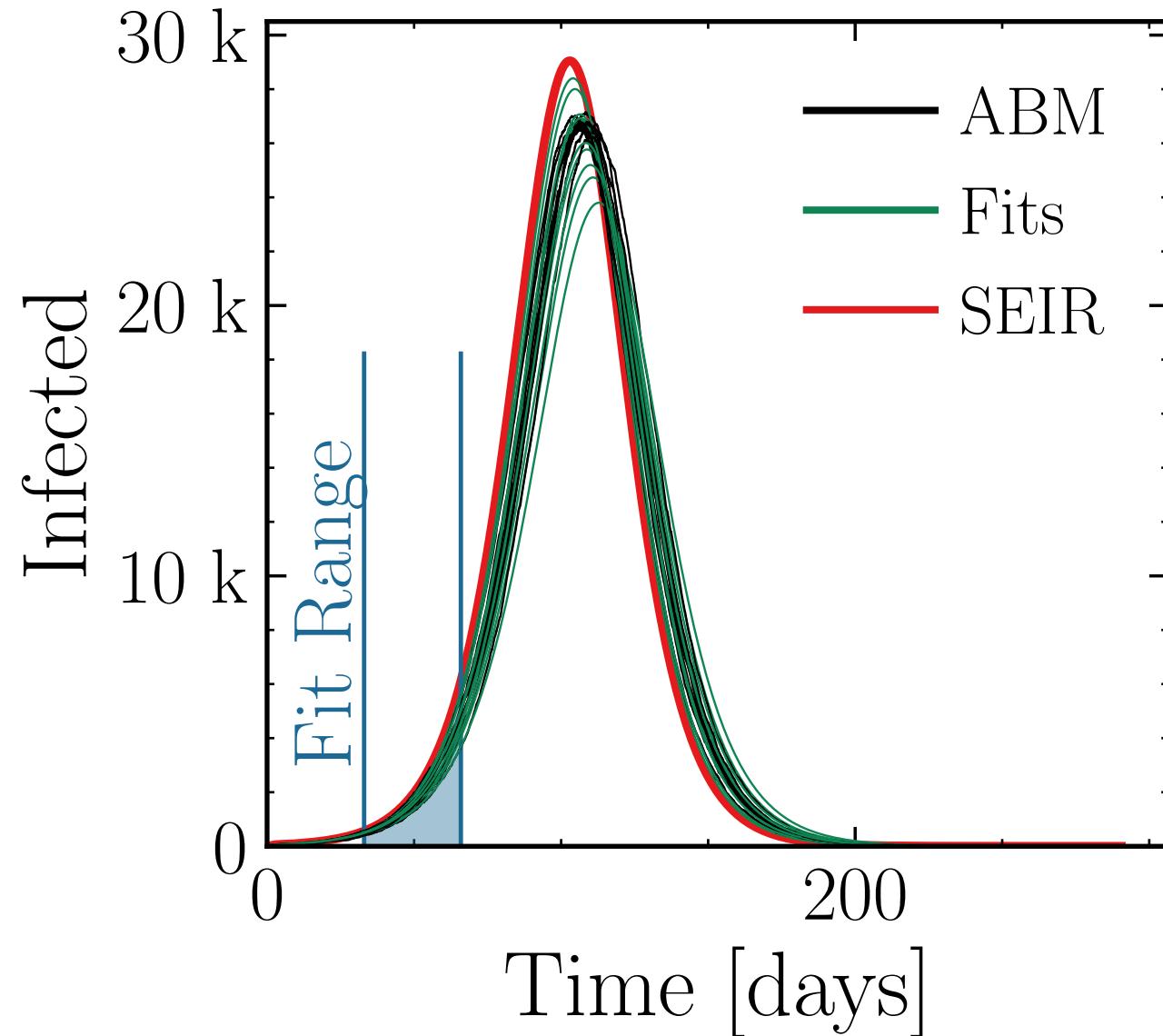
$$I_{\text{max}}^{\text{fit}} = (26.3 \pm 1.7\%) \cdot 10^3$$

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

$$\text{v.} = 1.0, \text{hash} = 44affd4533\#10$$

$$R_{\infty}^{\text{fit}} = (359 \pm 0.63\%) \cdot 10^3$$

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



$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, 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_{size_{max}} = 10, event_{size_{mean}} = 50.0, event _{β scaling} = 10.0, event_{weekendmultiplier} = 1.0

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

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

v.

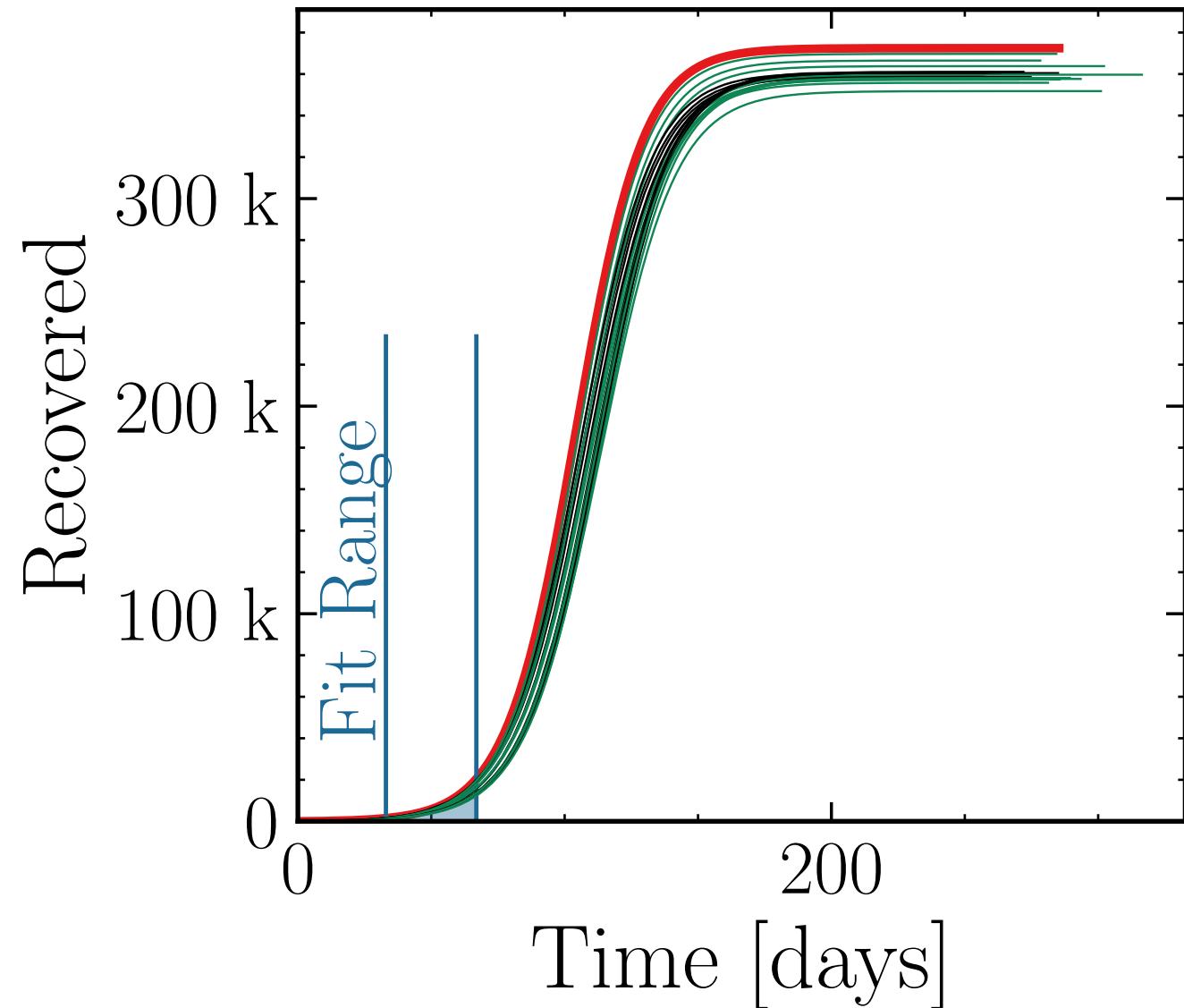
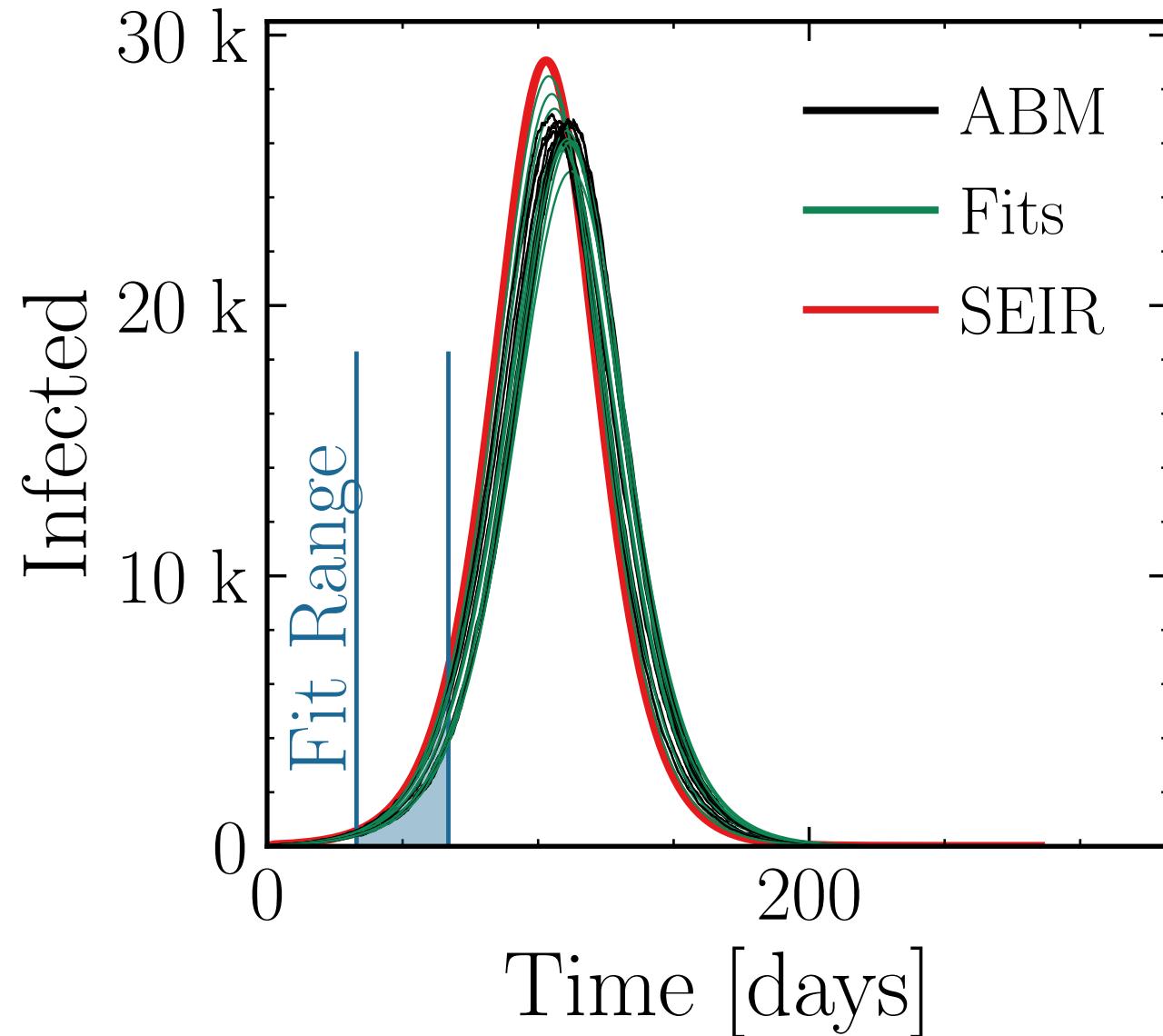
= 1.0,

hash = acd94b8f47

#10

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

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



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

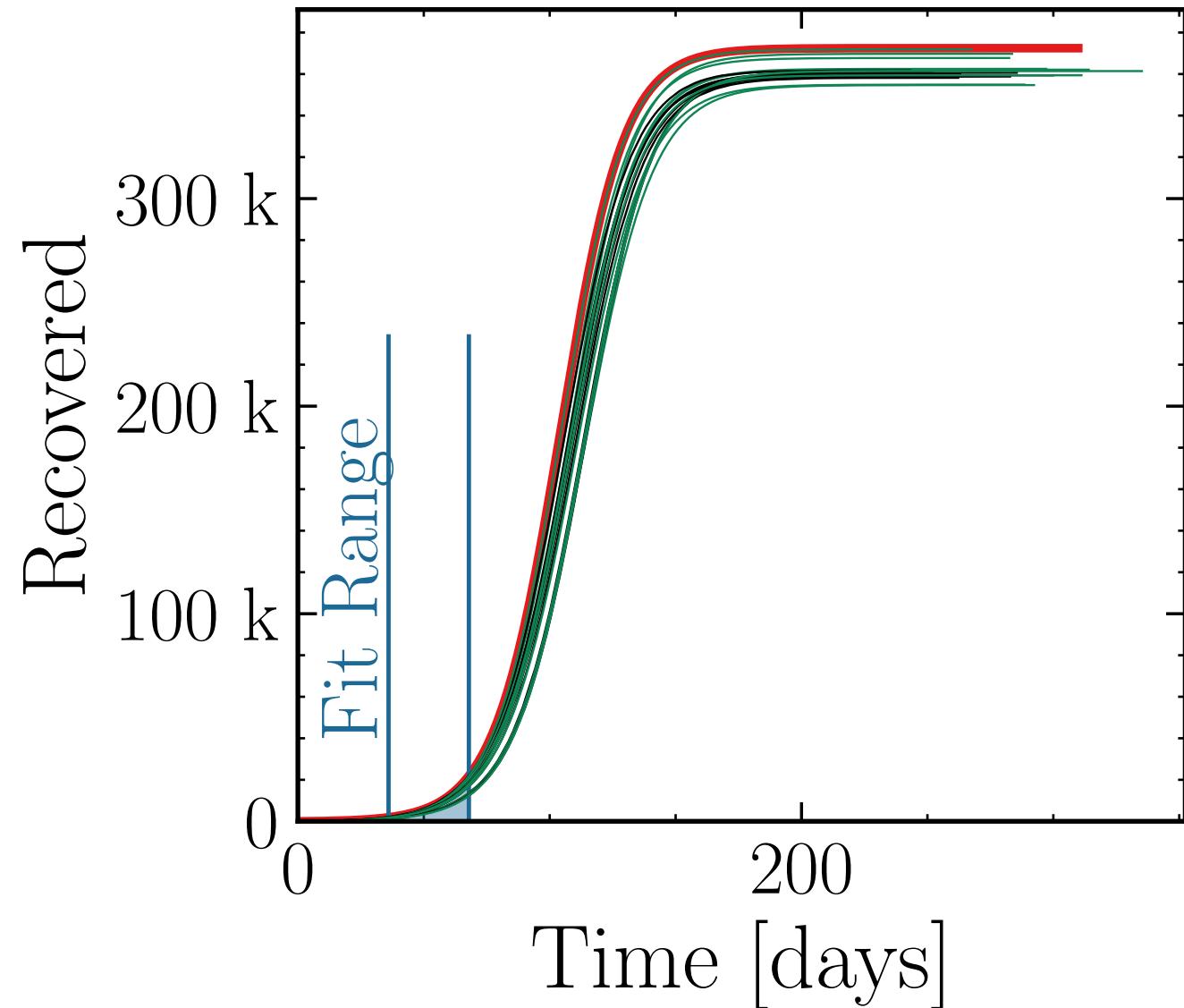
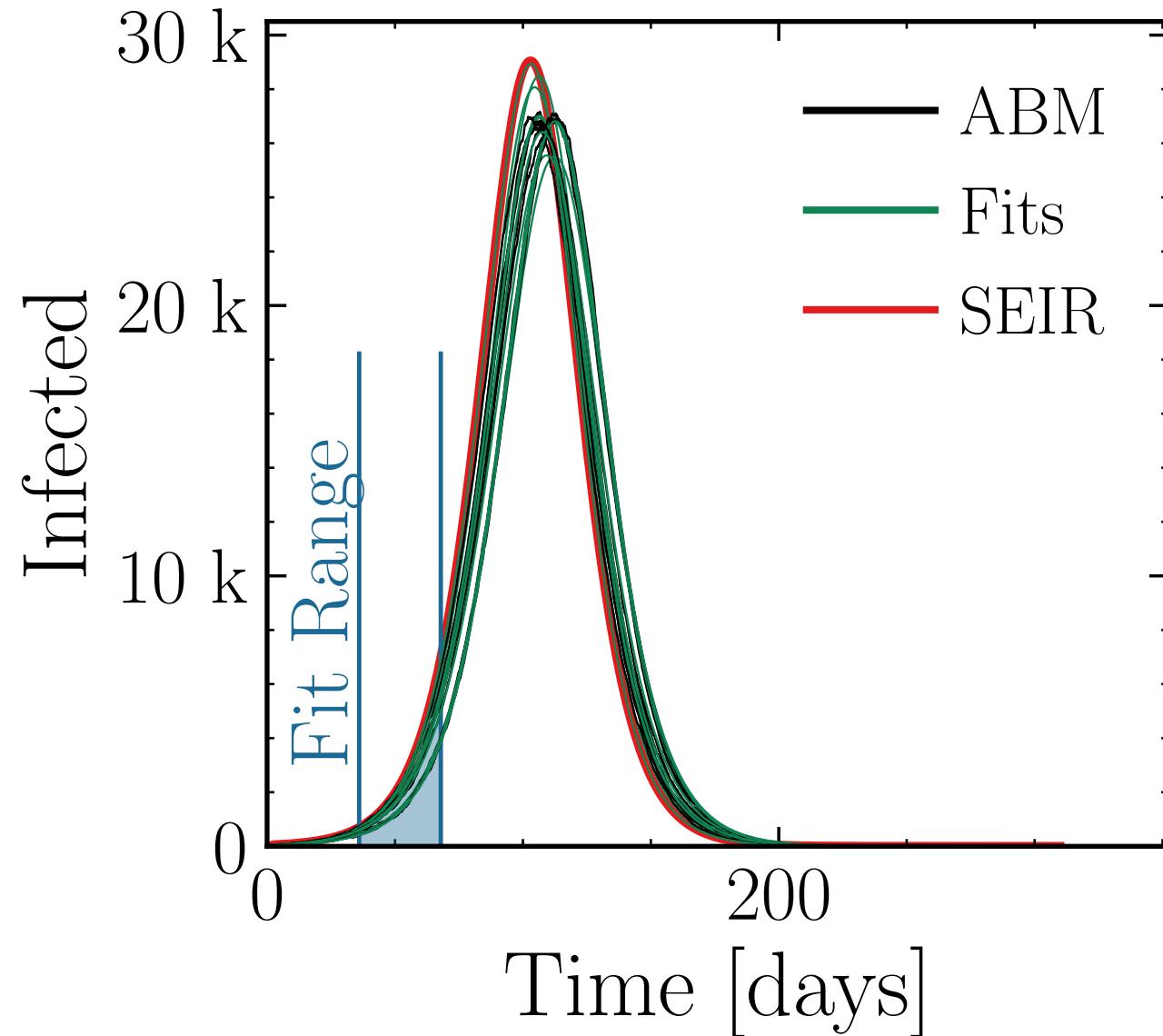
$\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 100$, event_{size_{max}} = 15, event_{size_{mean}} = 50.0, event _{β scaling} = 10.0, event_{weekendmultiplier} = 1.0

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

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

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



$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, 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_{size_{max}} = 20, event_{size_{mean}} = 50.0, event _{β scaling} = 10.0, event_{weekendmultiplier} = 1.0

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

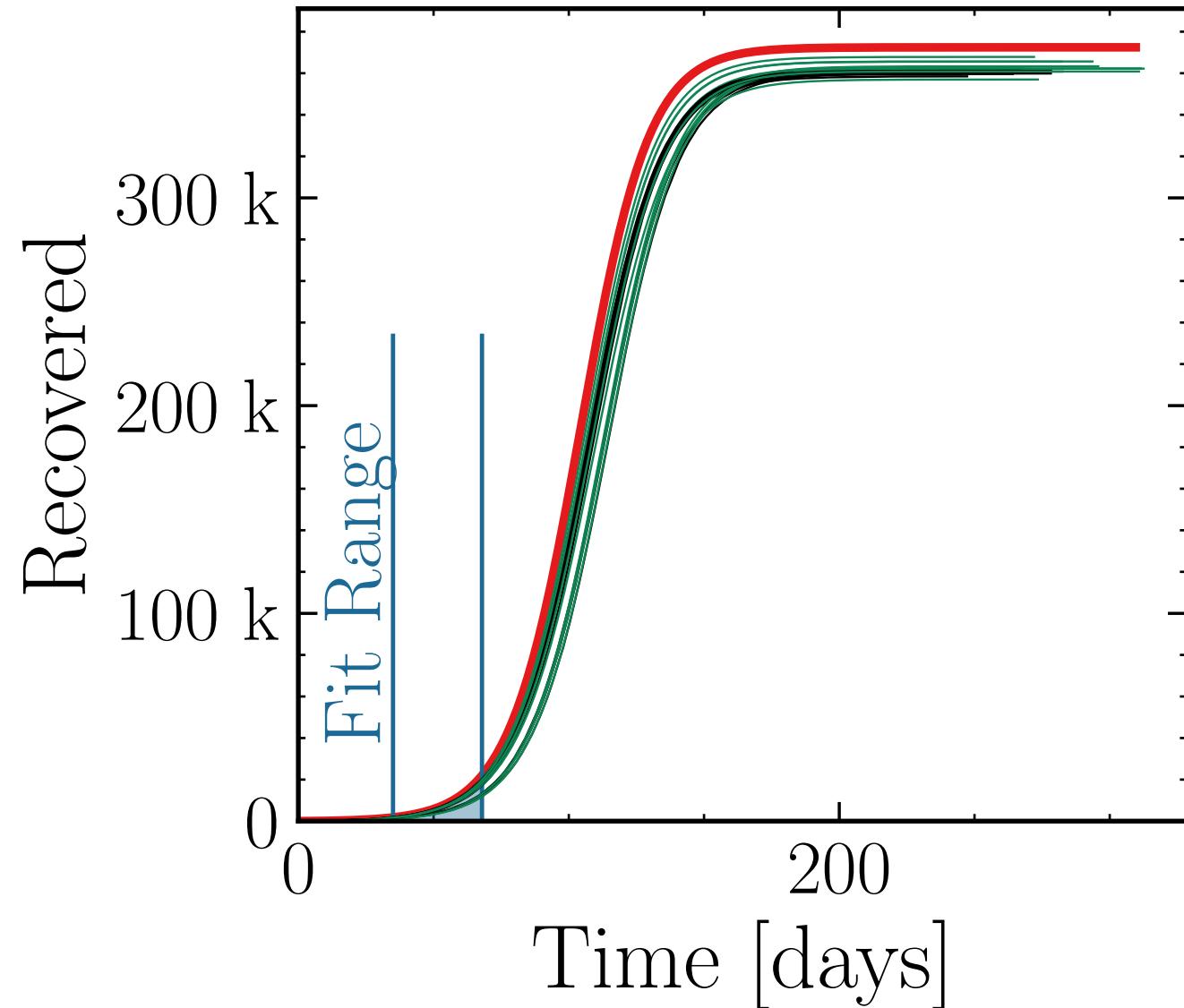
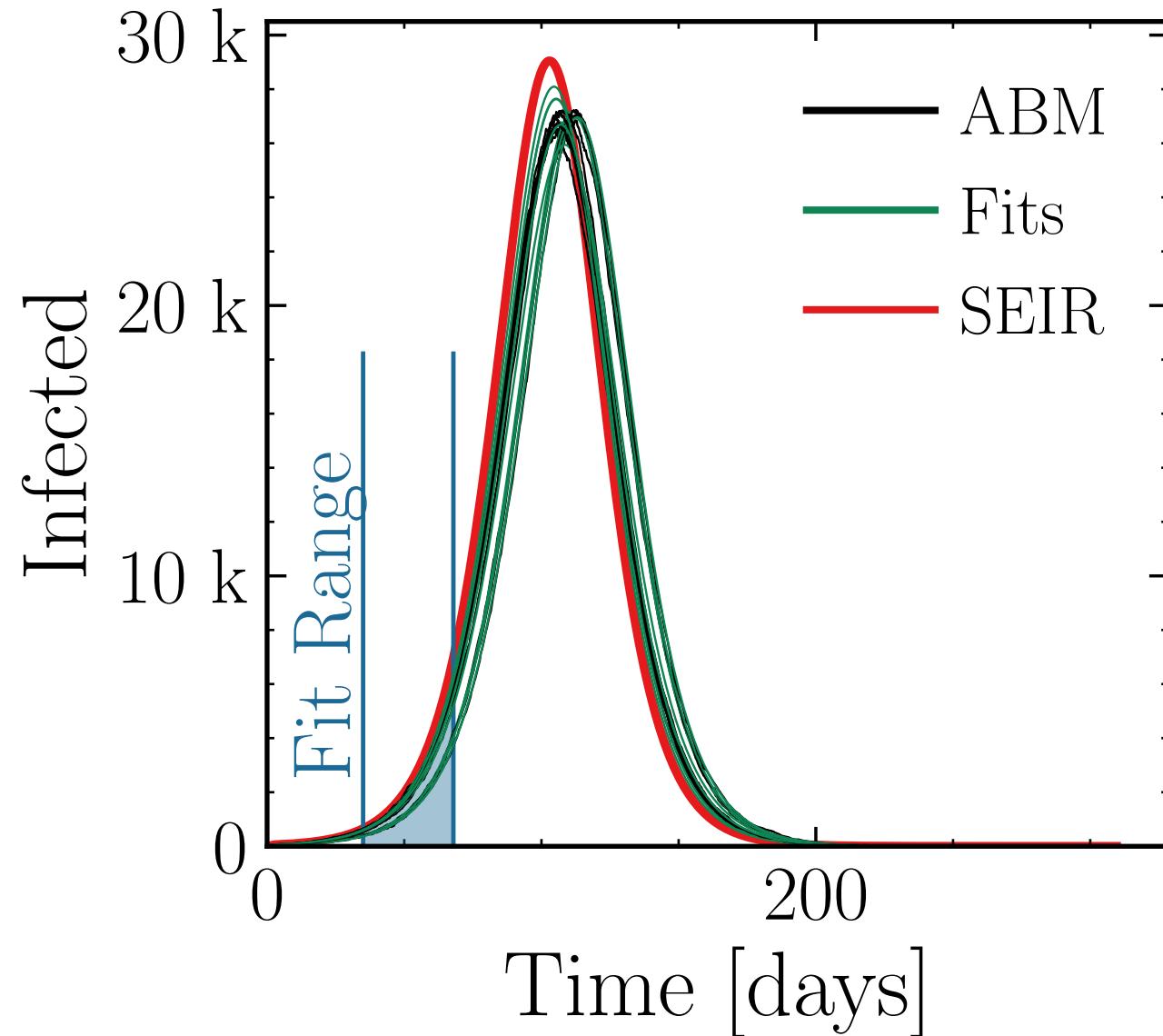
$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{ABM}}^{\text{fit}}} = 1.007 \pm 0.0092$$

$$v. = 1.0$$

$$\text{hash} = 0cd1b6196a\#10$$

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

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



$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, 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_{size_{max}} = 30, event_{size_{mean}} = 50.0, event _{β scaling} = 10.0, event_{weekendmultiplier} = 1.0

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

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

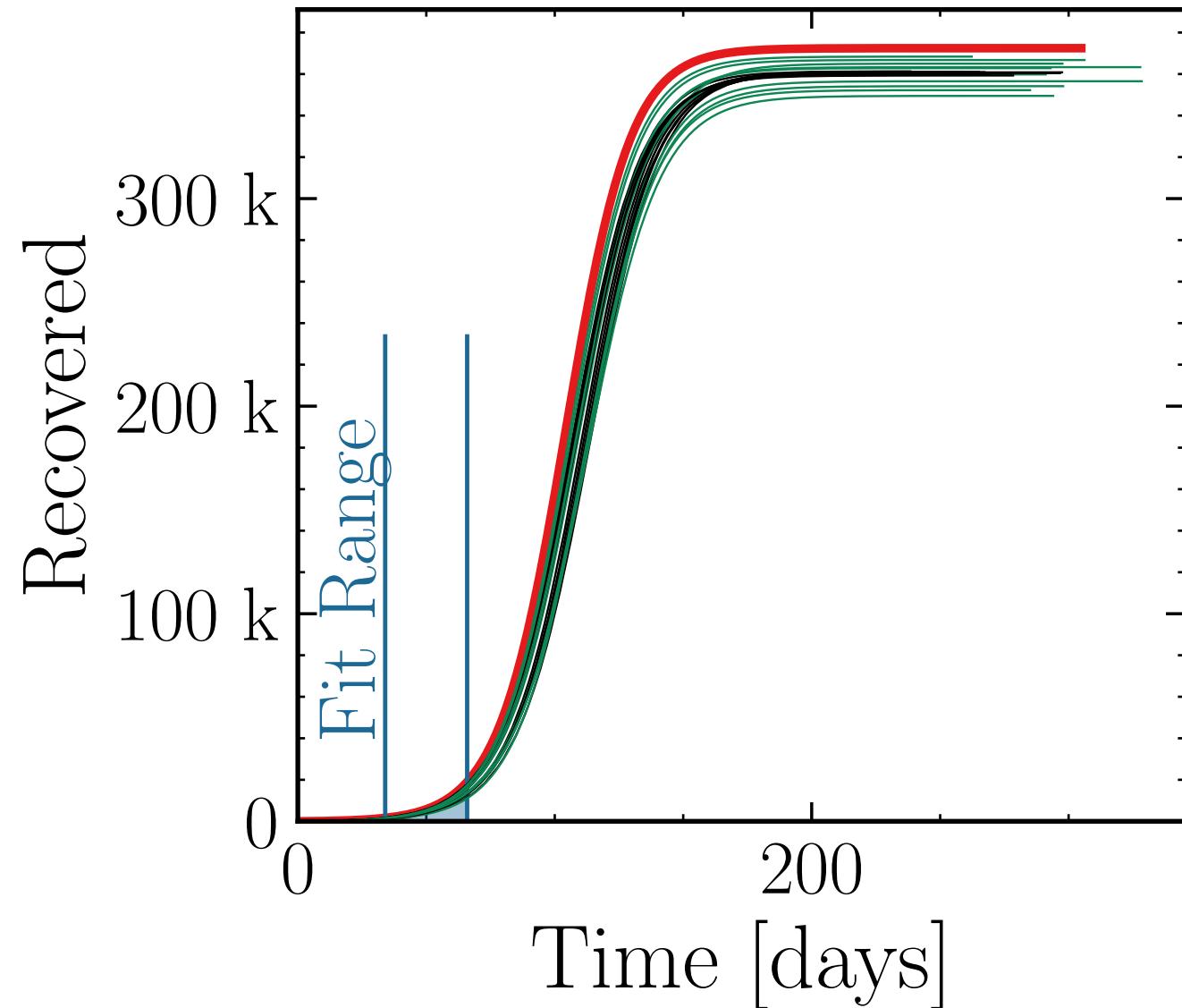
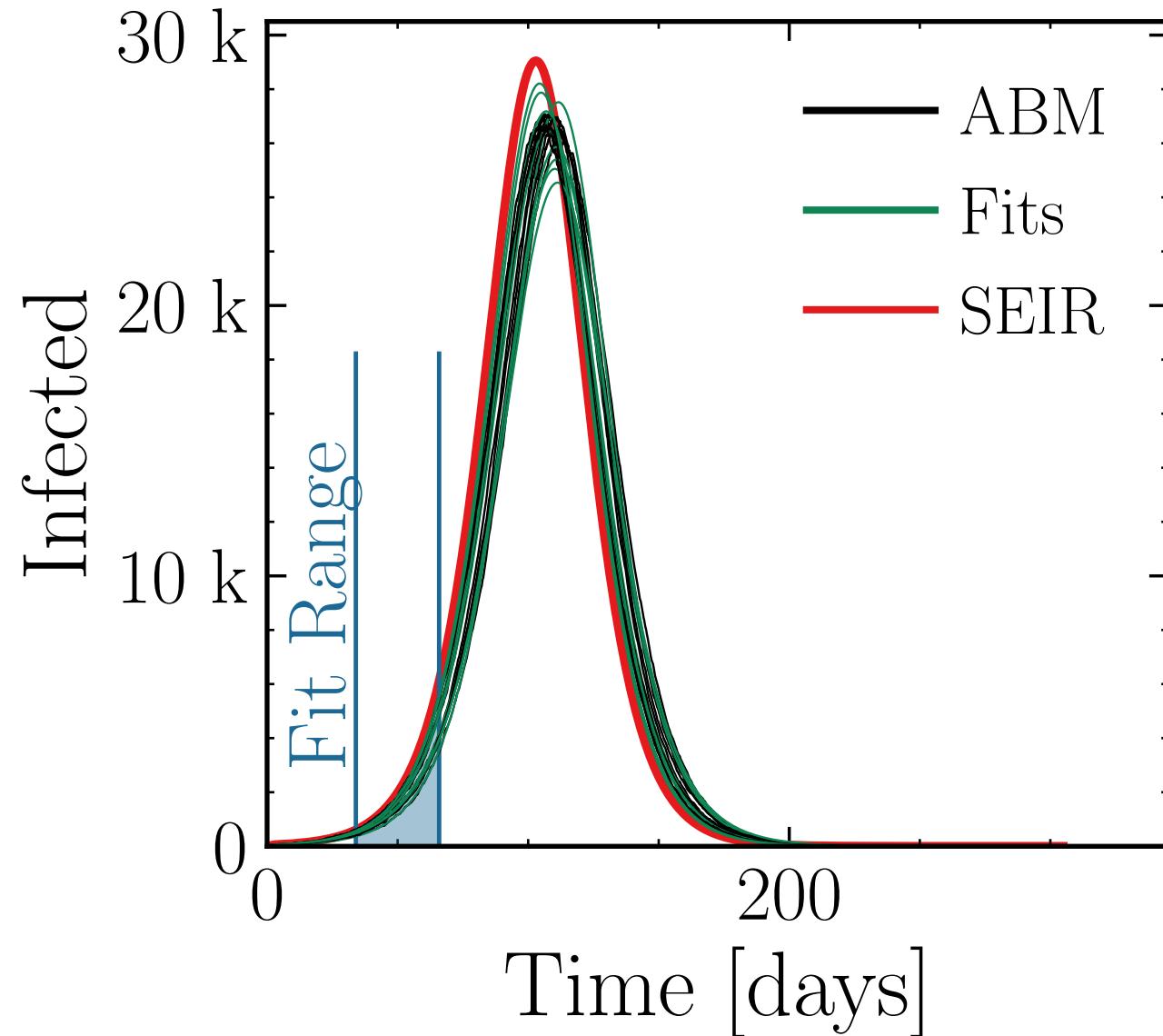
$$\text{v.} = 1.0$$

$$\text{hash} = 82f109dc6e$$

$$\#10$$

$$R_{\infty}^{\text{fit}} = (360 \pm 0.55\%) \cdot 10^3$$

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



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

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

$N_{\text{events}} = 100$, event_{size_{max}} = 40, event_{size_{mean}} = 50.0, event _{β scaling} = 10.0, event_{weekendmultiplier} = 1.0

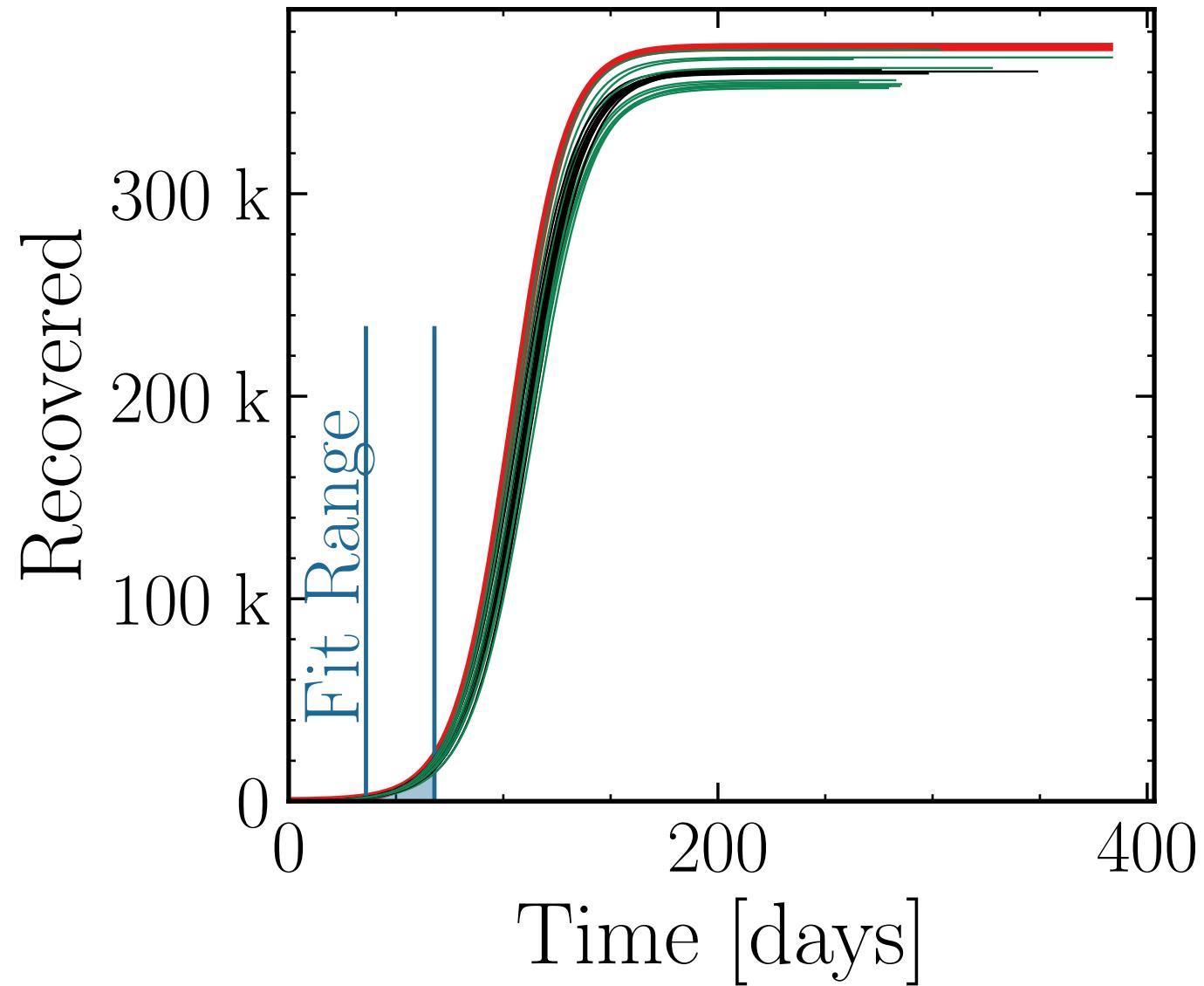
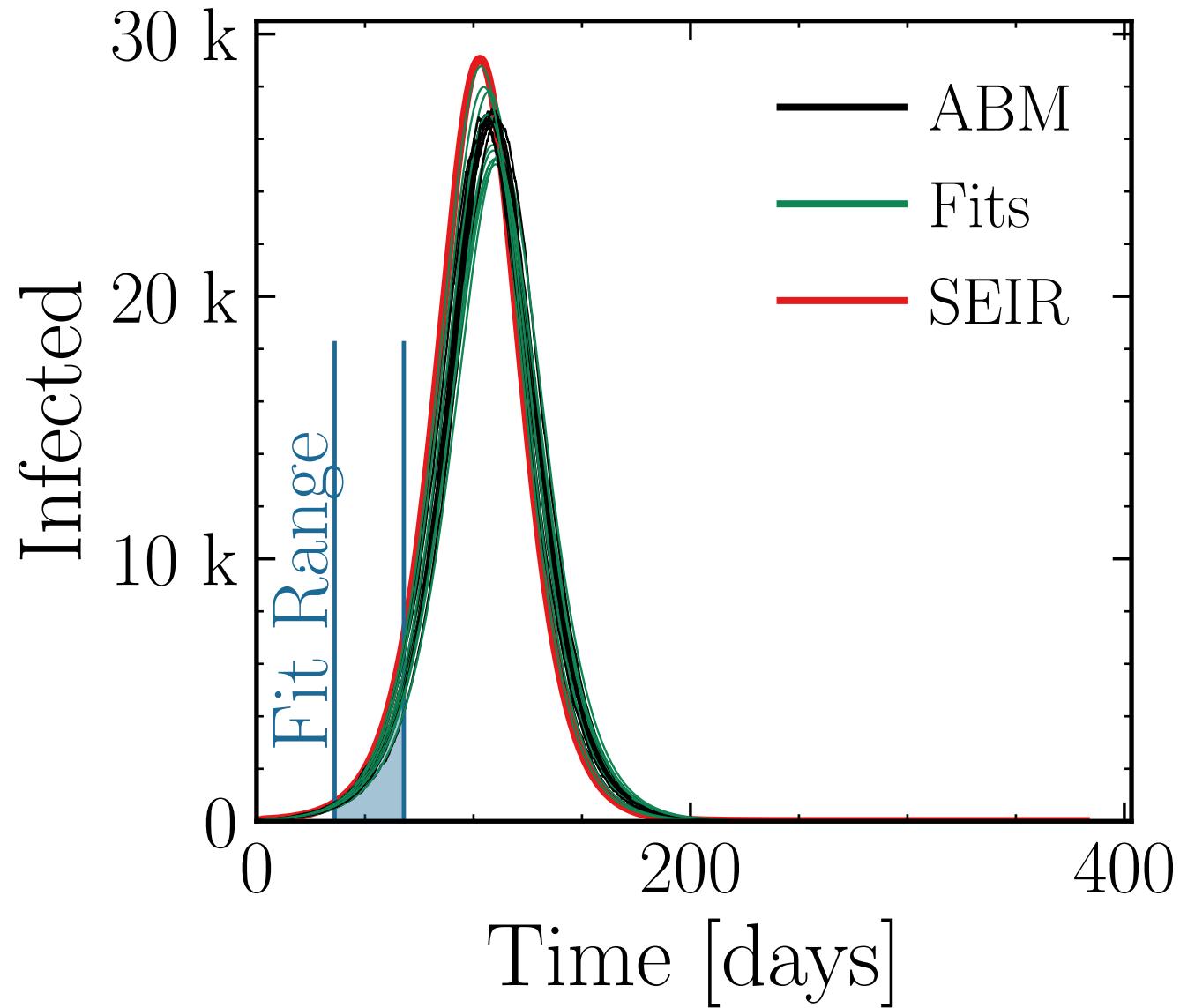
$$I_{\text{max}}^{\text{fit}} = (26.4 \pm 1.6\%) \cdot 10^3$$

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

$$\text{v.} = 1.0, \text{hash} = 5afb261391, \#10$$

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

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



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

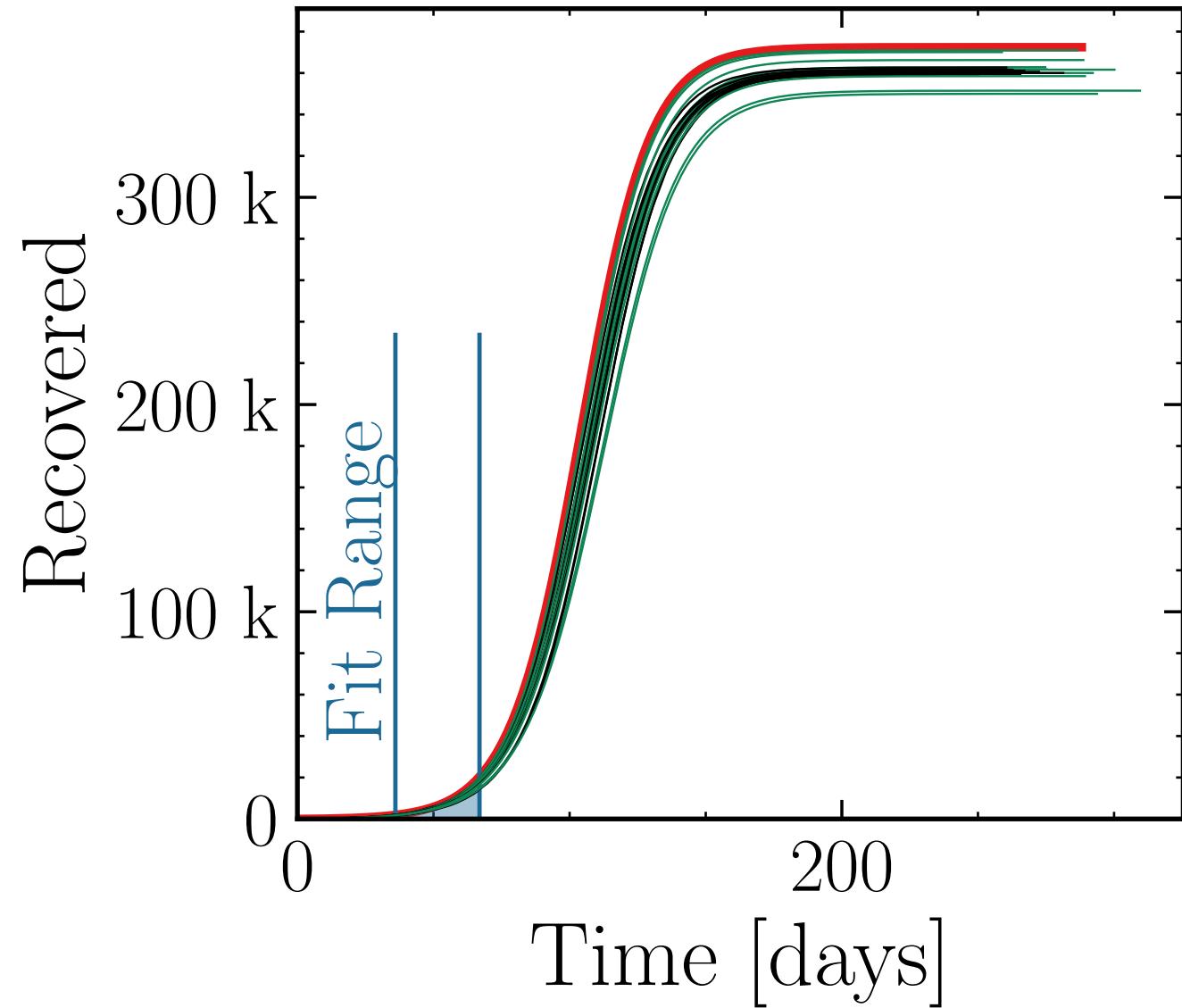
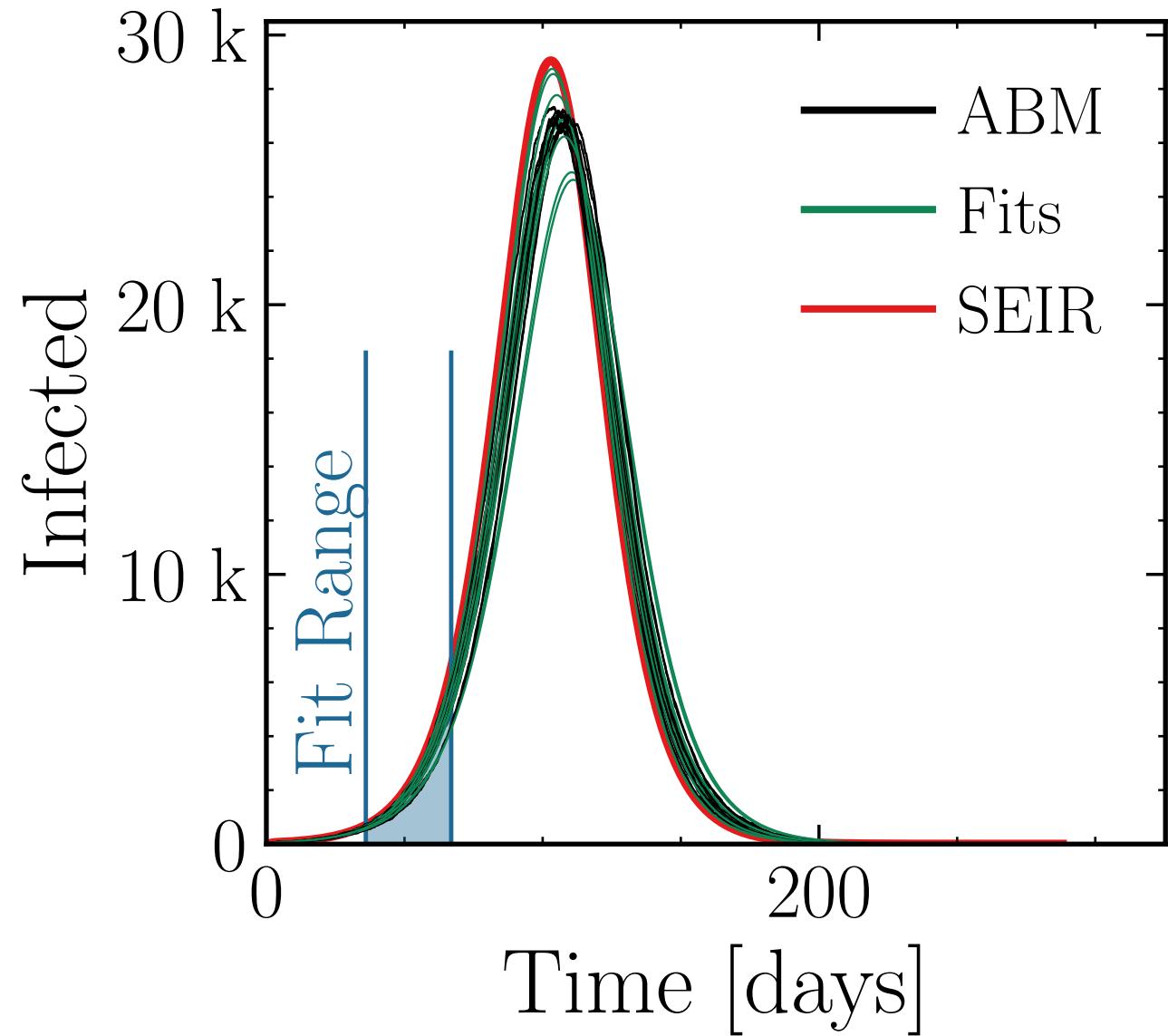
$\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 100$, event_{size_{max}} = 50, event_{size_{mean}} = 50.0, event _{β scaling} = 10.0, event_{weekendmultiplier} = 1.0

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

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

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



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

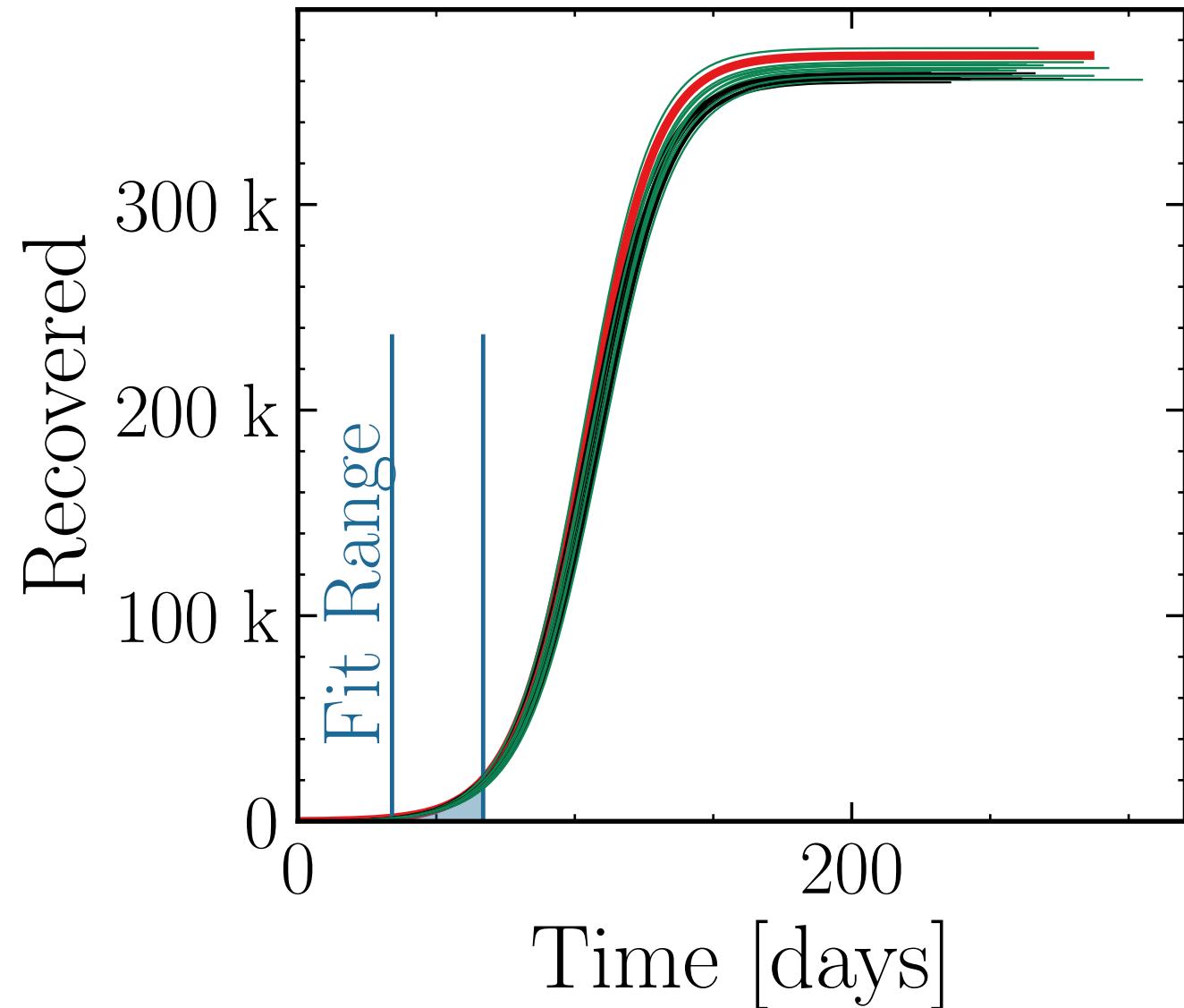
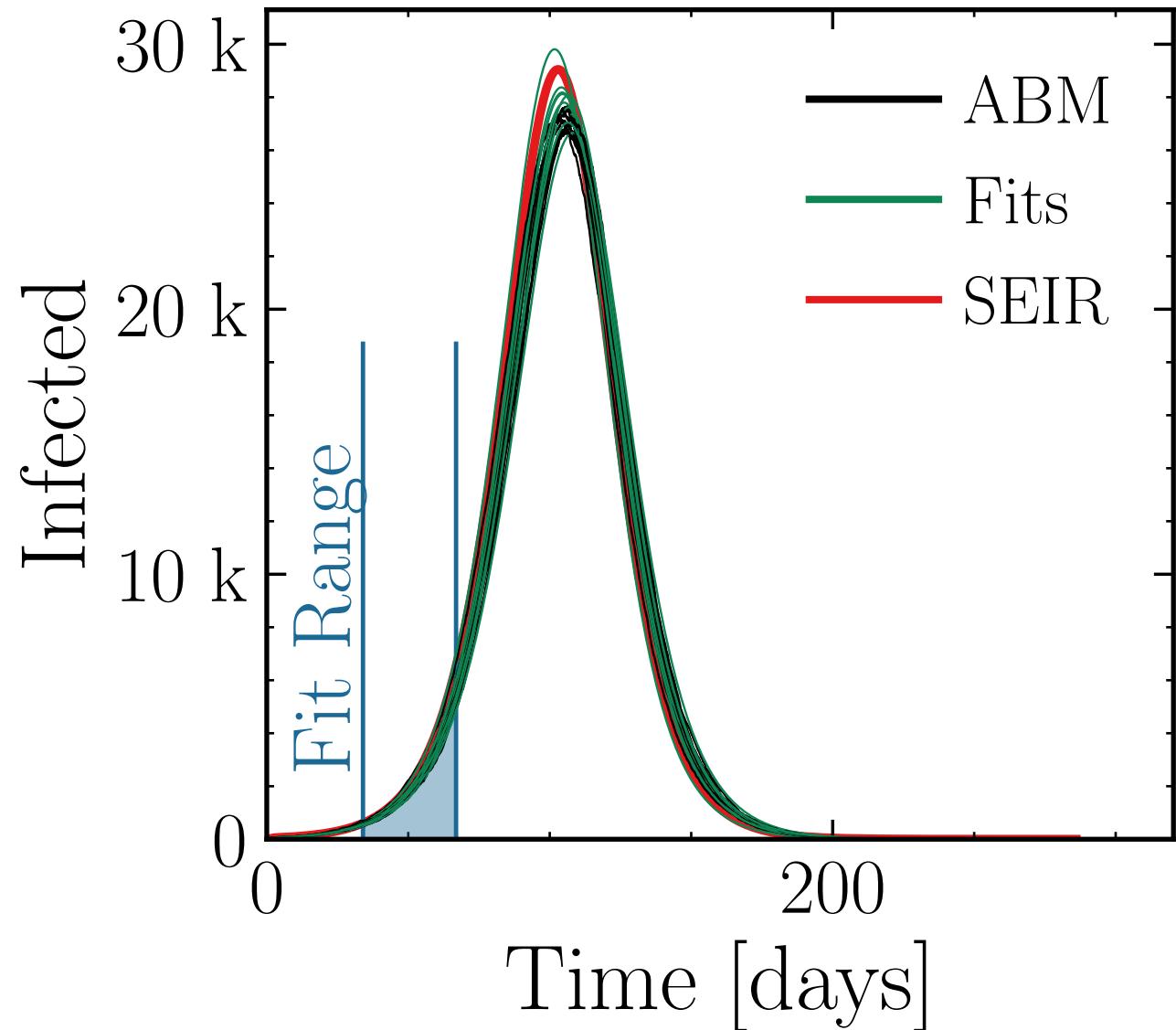
$\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 100$, event_{size_{max}} = 75, event_{size_{mean}} = 50.0, event _{β scaling} = 10.0, event_{weekendmultiplier} = 1.0

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

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

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



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

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

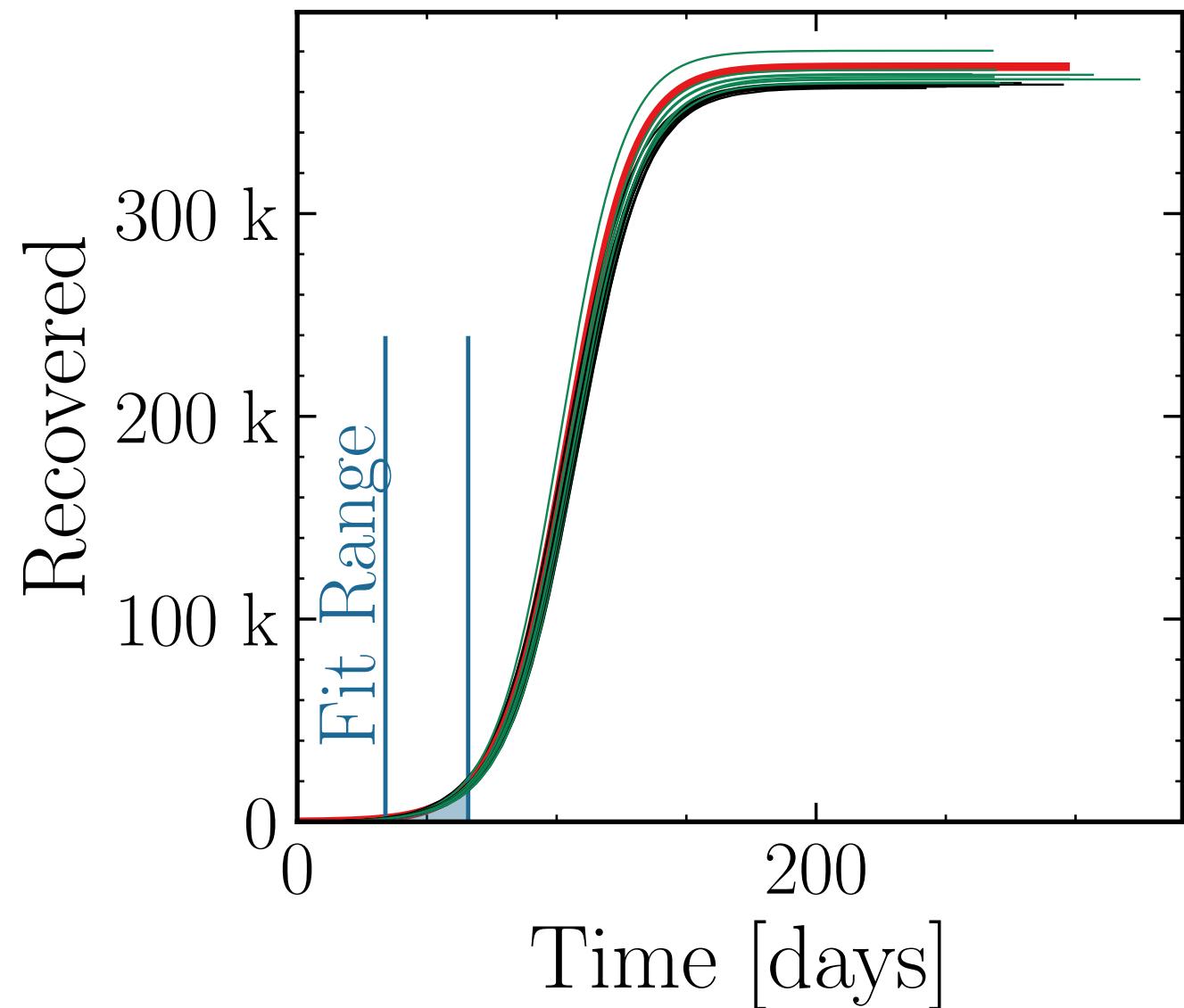
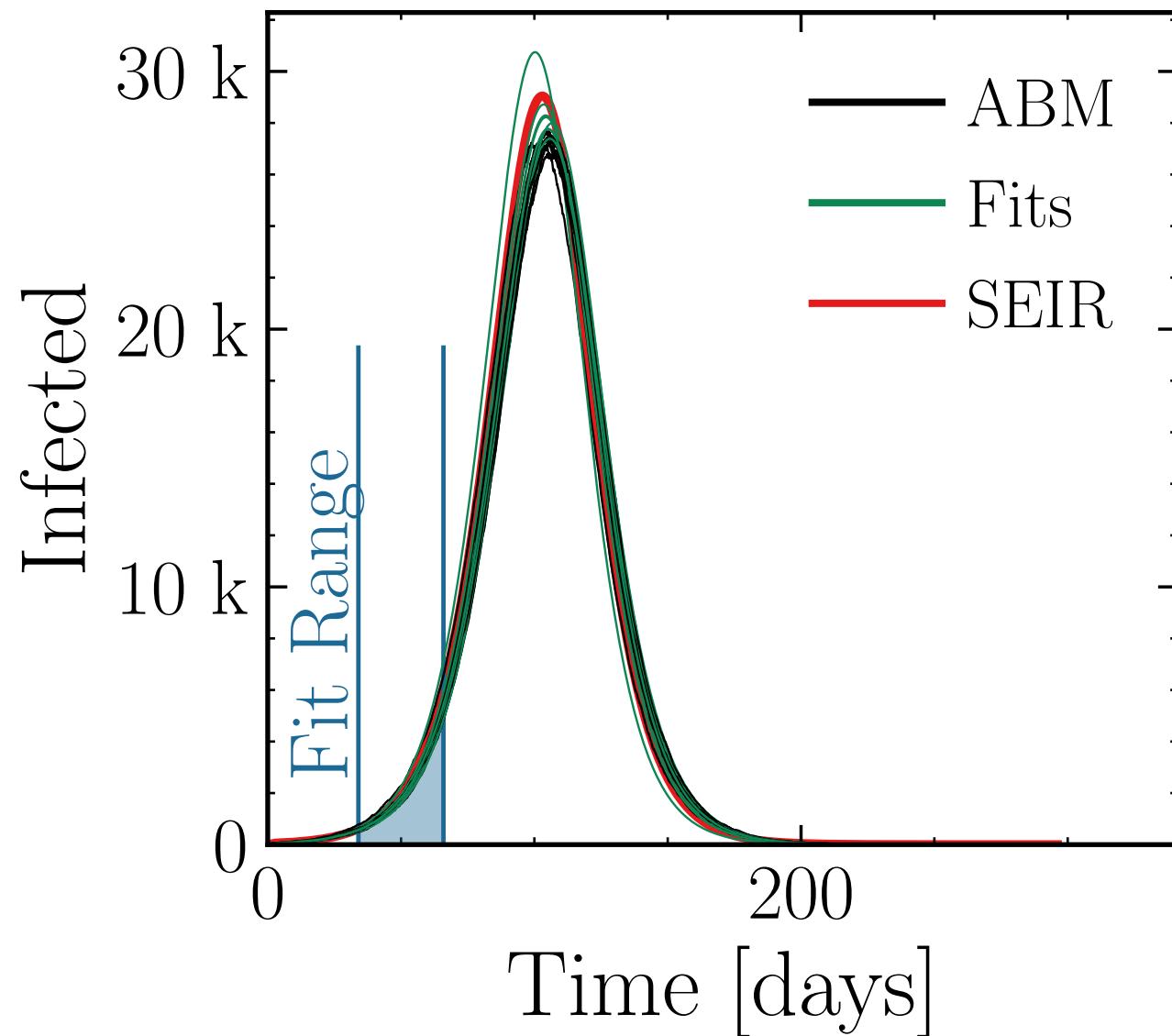
$N_{\text{events}} = 100$, event_{size_{max}} = 100, event_{size_{mean}} = 50.0, event _{β scaling} = 10.0, event_{weekend_{multiplier}} = 1.0

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

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1.03 \pm 0.012 \quad v. = 1.0, \text{ hash} = 3fc1208bf \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{fit}}} = (368 \pm 0.4\%) \cdot 10^3$$

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



$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, 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_{size_{max}} = 1, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

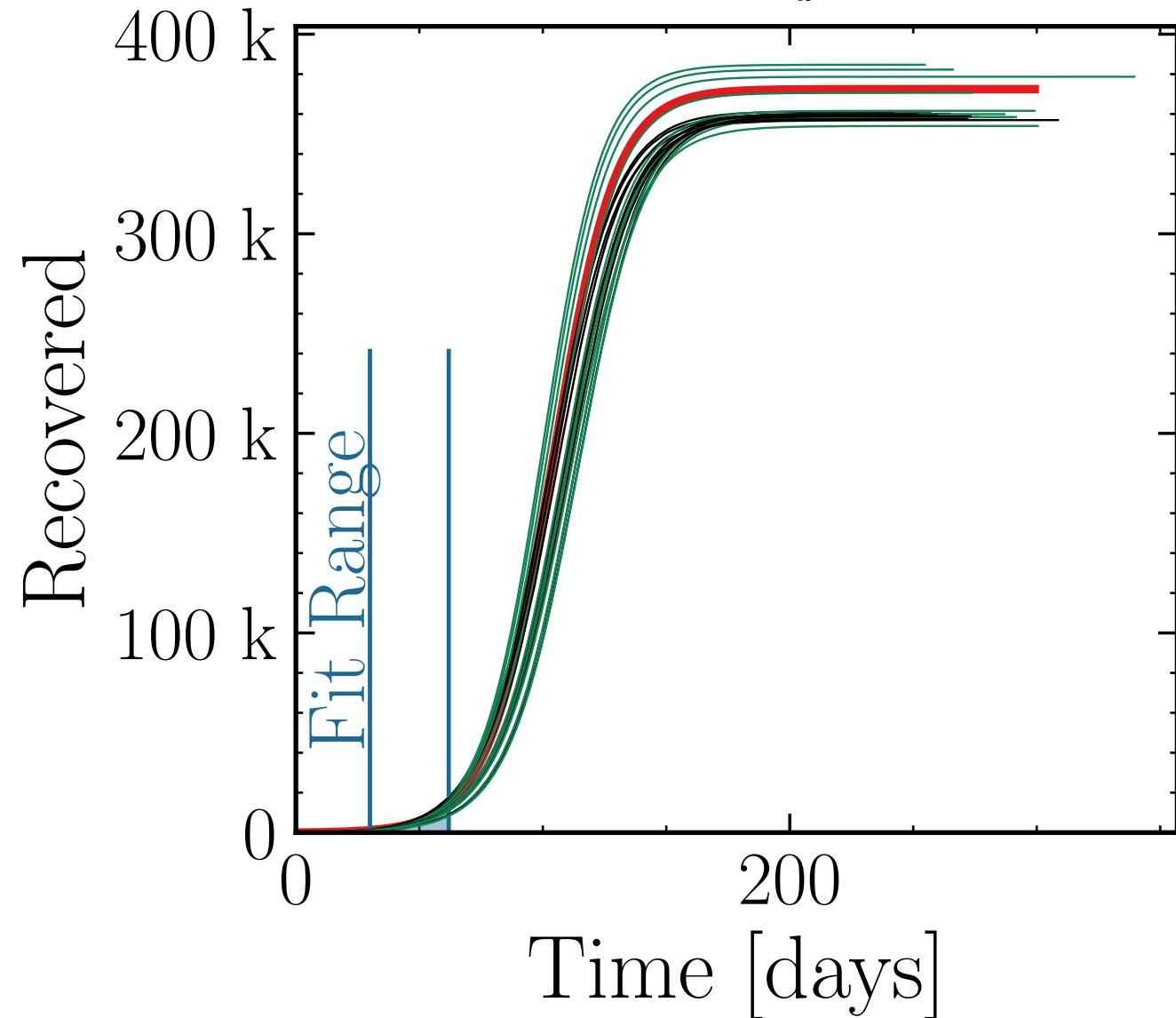
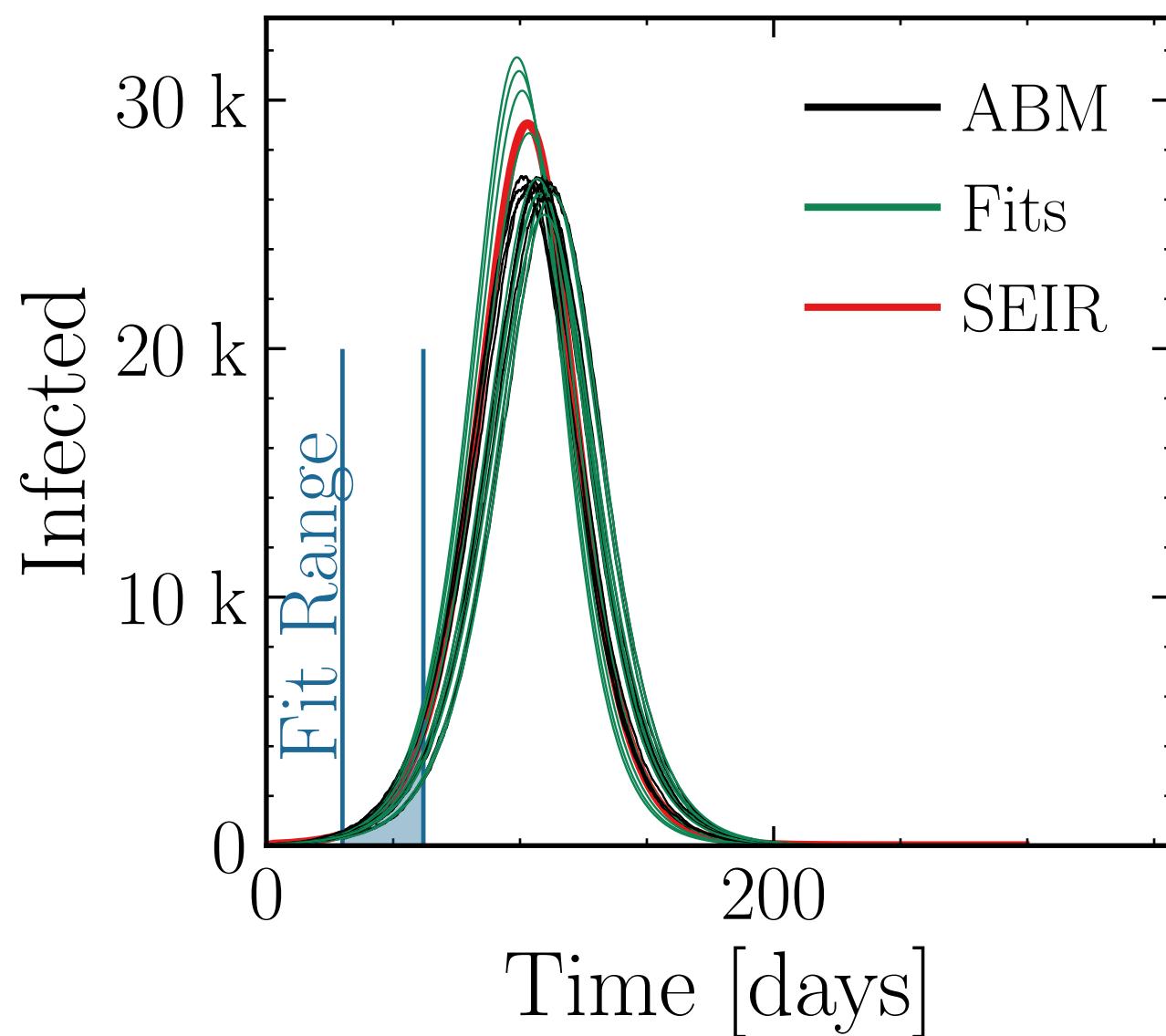
$$I_{\text{max}}^{\text{fit}} = (27.9 \pm 2.5\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1.05 \pm 0.026$$

$$\text{v.} = 1.0, \text{hash} = 5cdcd5af7, \#10$$

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

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



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

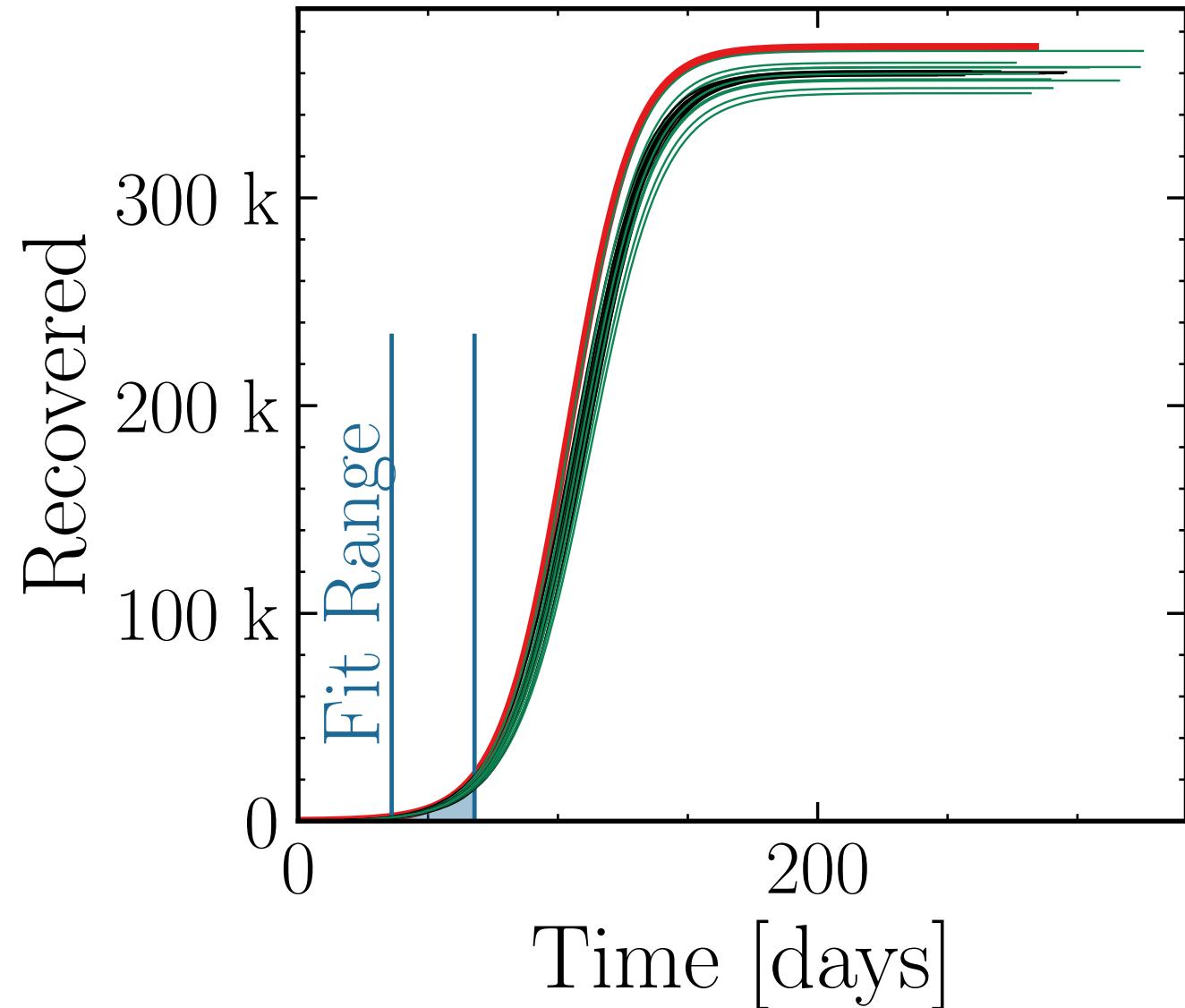
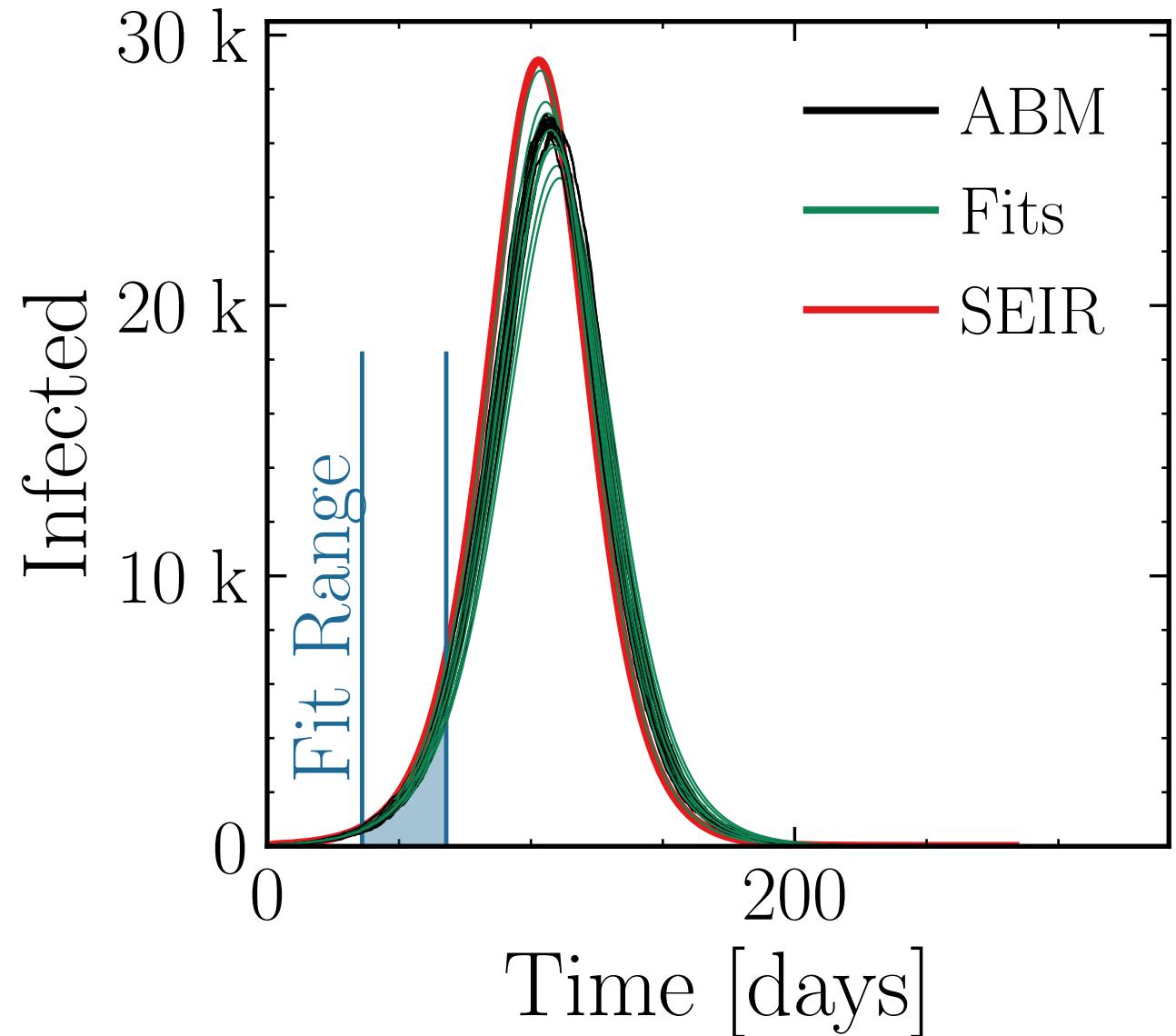
$\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 1K$, event_{size_{max}} = 2, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

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

$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{ABM}}^{\text{max}}} = 0.99 \pm 0.01$ v. = 1.0, hash = ac9adb9905, #10

$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (360 \pm 0.5\%) \cdot 10^3$ $\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{fit}}} = 0.9999 \pm 0.0048$



$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, 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_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

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

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{ABM}}^{\text{max}}} = 1.039 \pm 0.0075$$

$$v. = 1.0$$

$$\text{hash} = 2e883cdda0$$

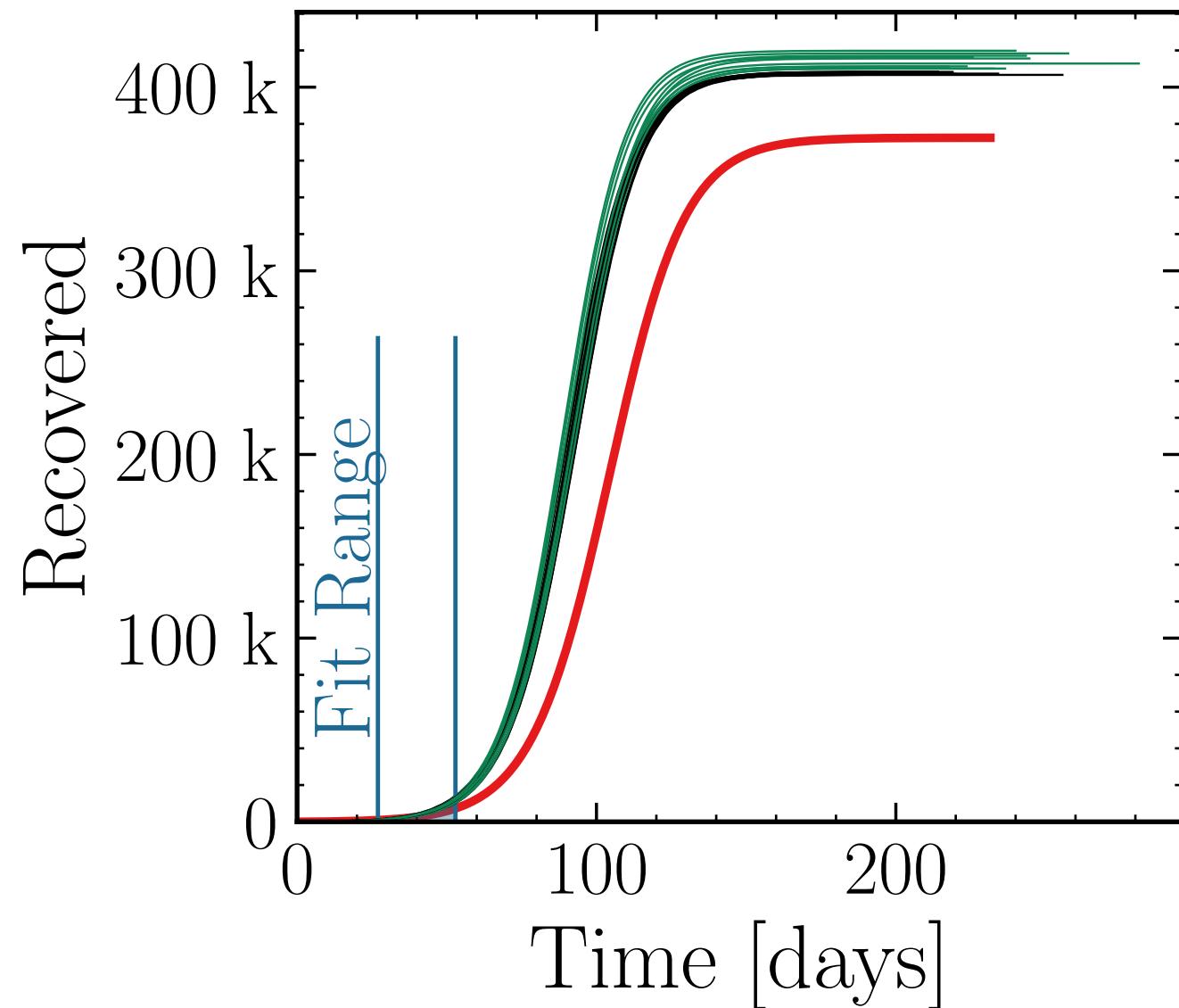
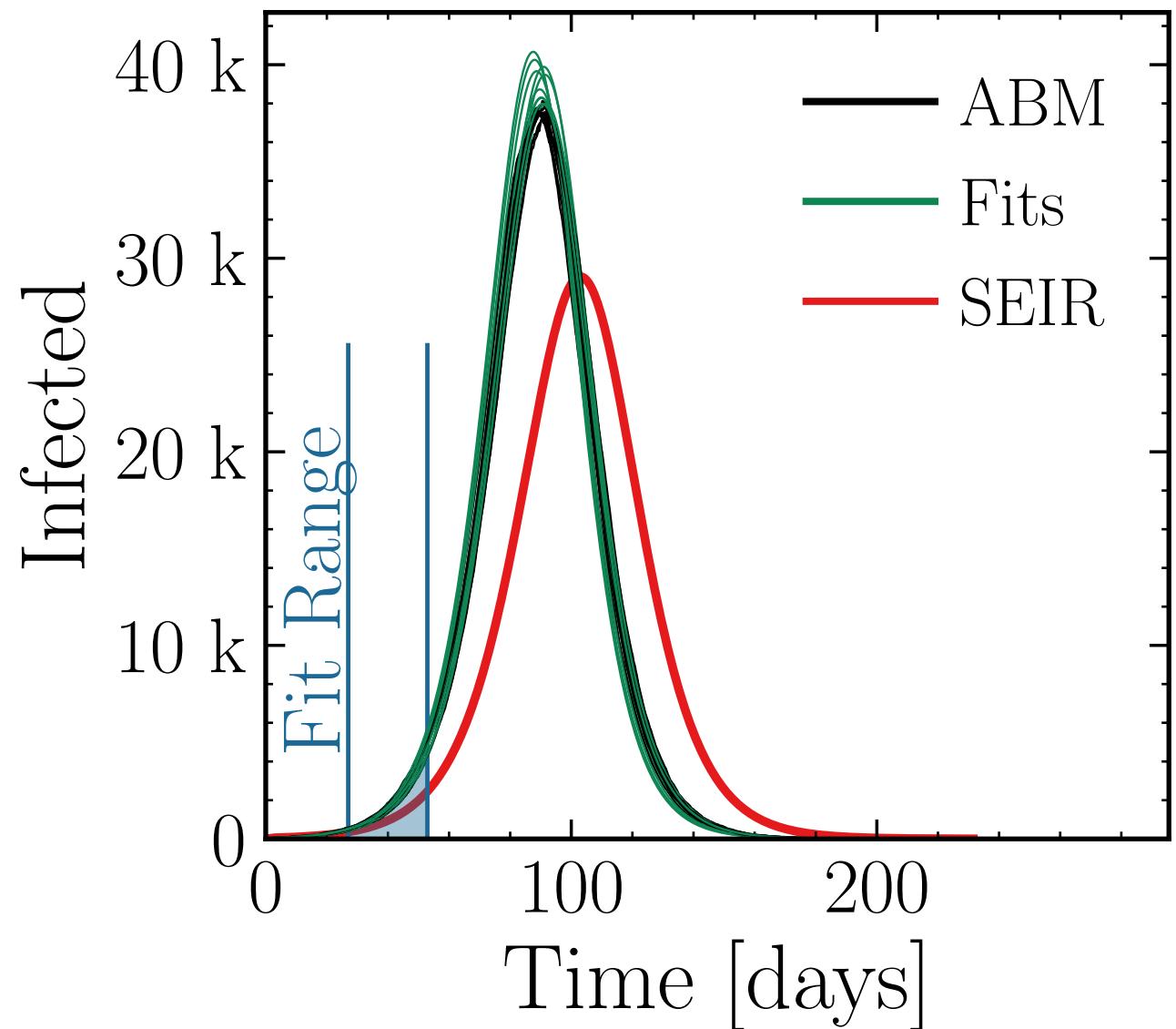
$$\#10$$

$$R_{\infty}^{\text{fit}, \#10}$$

$$(414 \pm 0.27\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{fit}, \#10}}$$

$$= 1.017 \pm 0.0026$$



$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, 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_{size_{max}} = 3, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

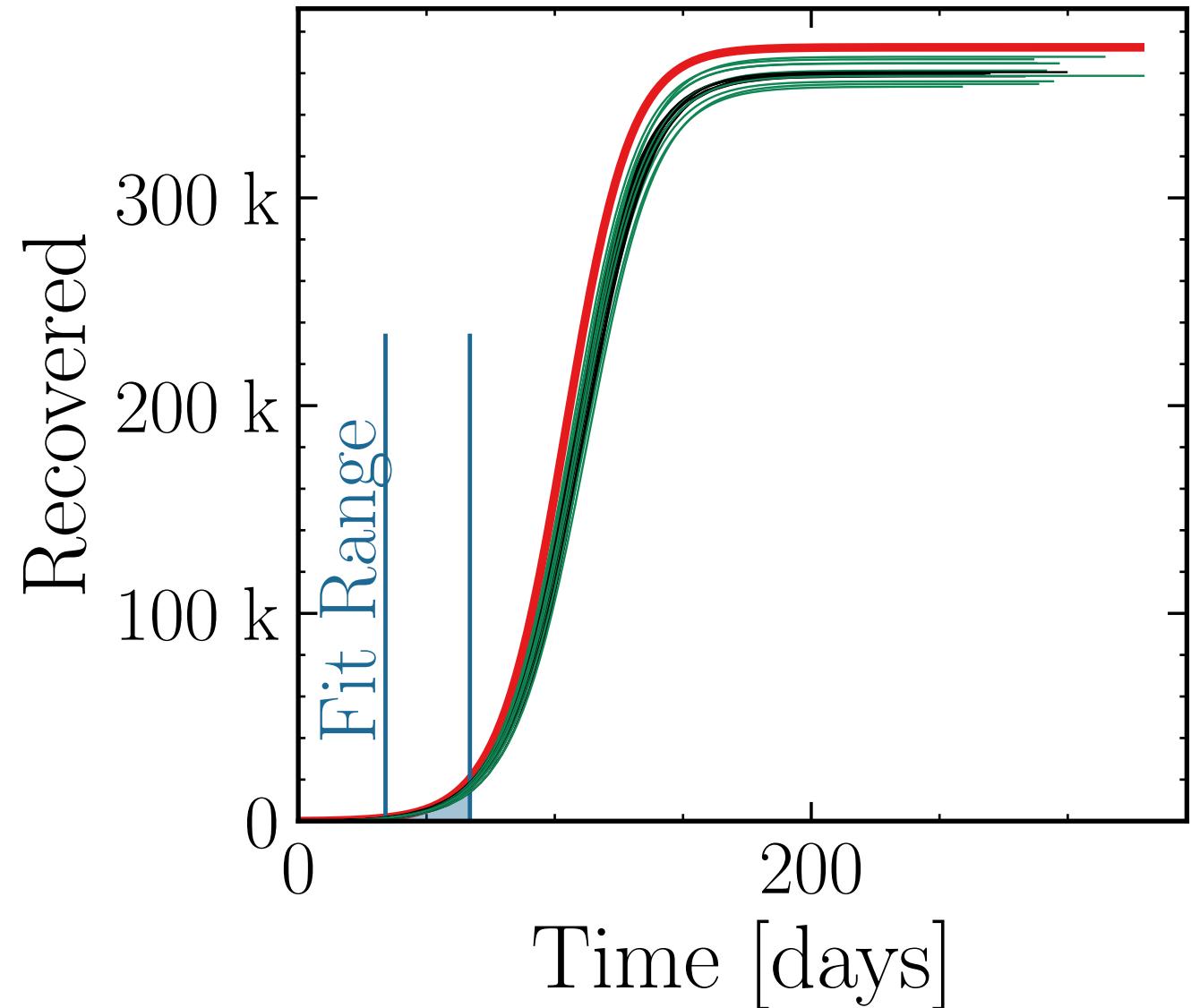
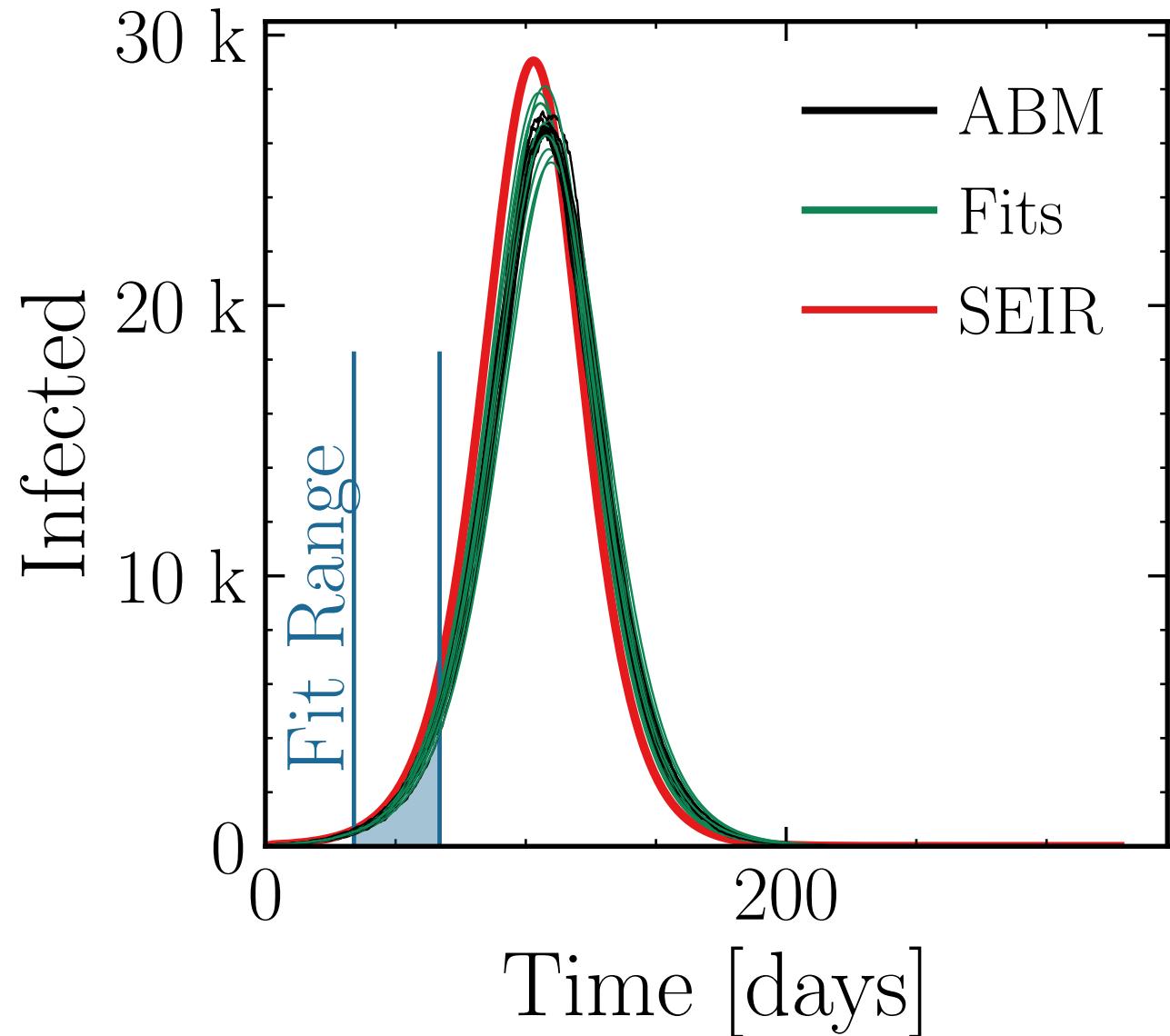
$I_{\text{max}}^{\text{fit}} = (26.7 \pm 1.1\%) \cdot 10^3$

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

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, $N_{\text{init}} = 100$

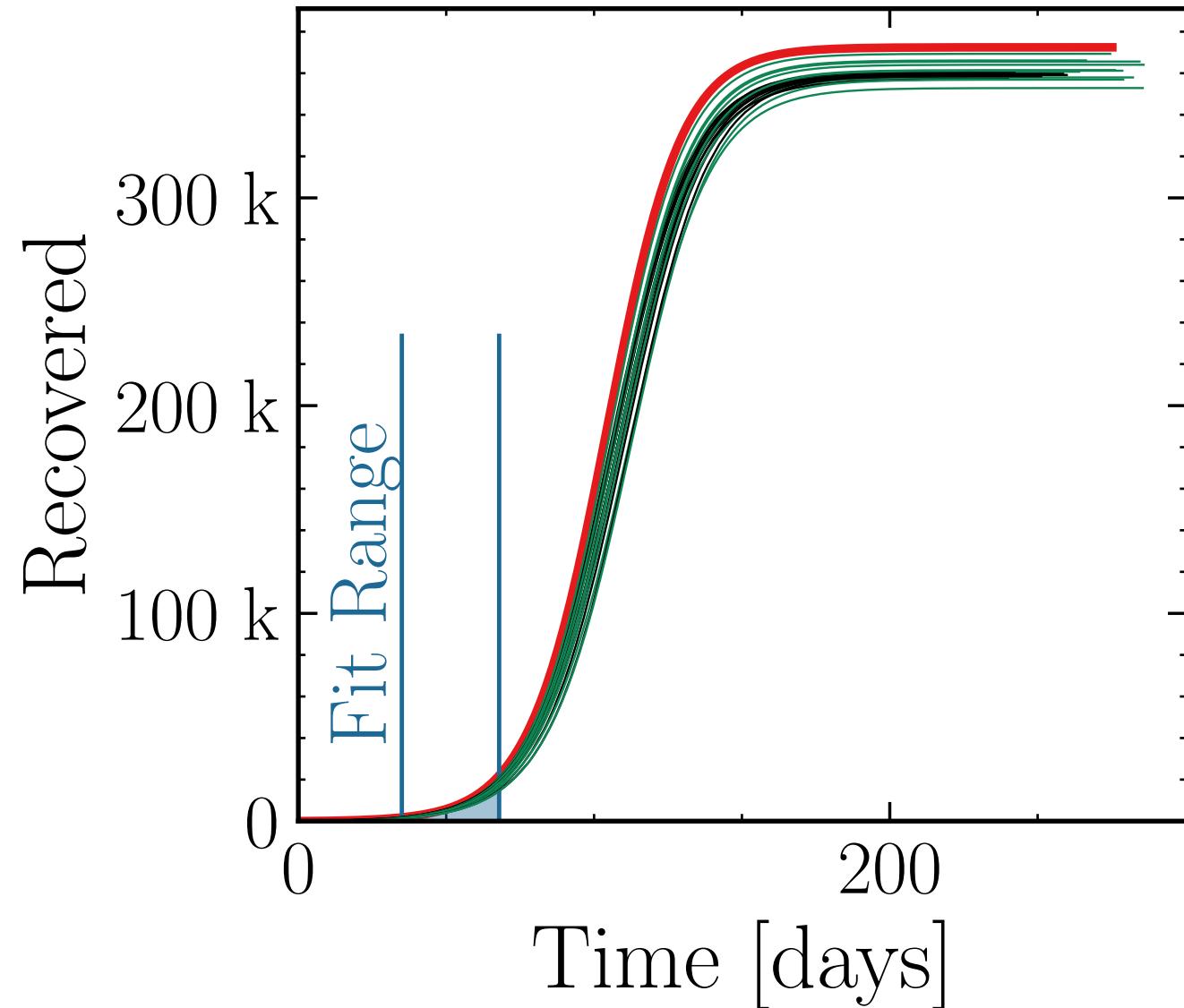
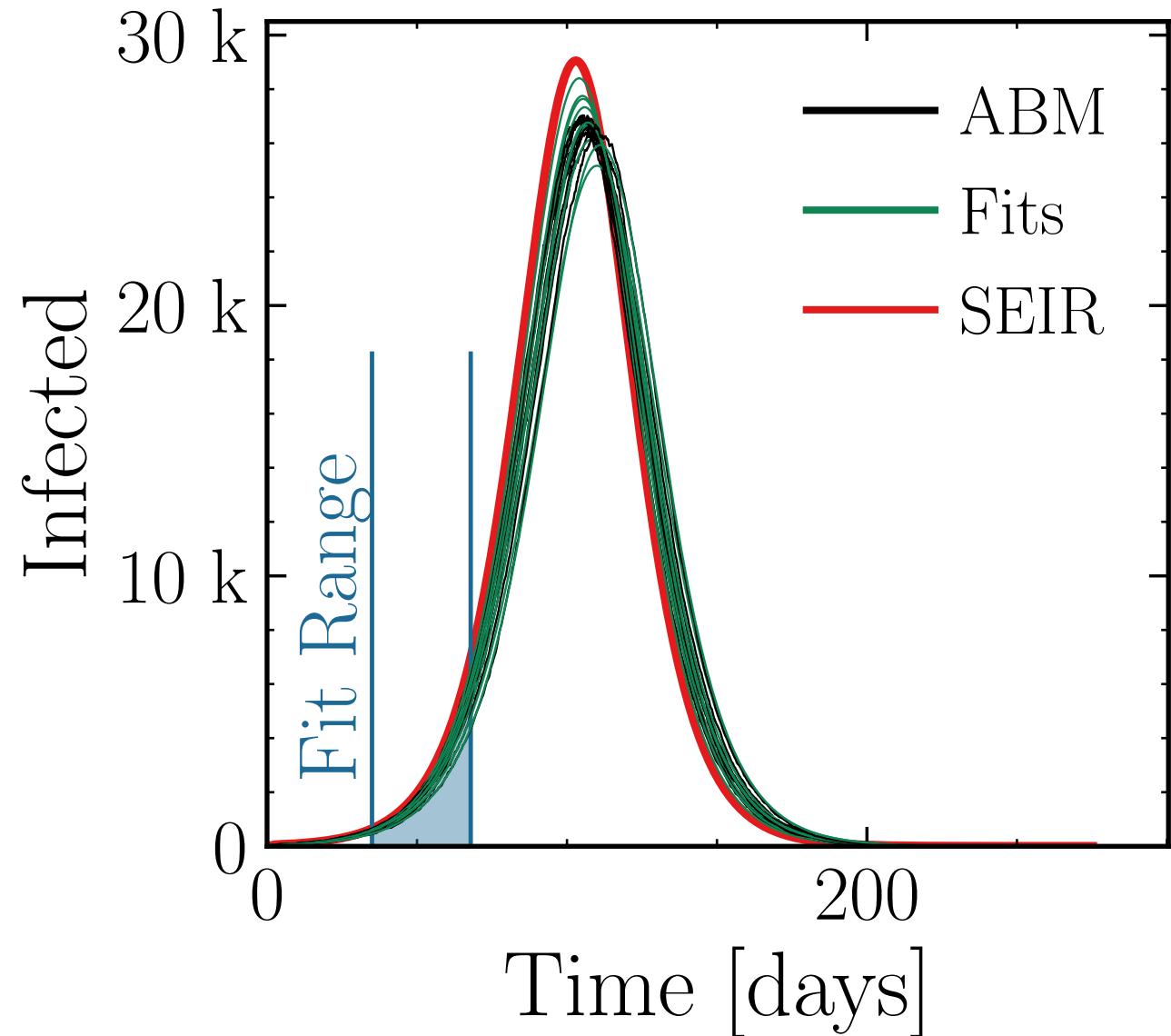
$\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 1K$, event_{size_{max}} = 4, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

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

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{ABM}}^{\text{max}}} = 1.003 \pm 0.0093 \quad v. = 1.0, \text{ hash} = \text{bbb5c98892}, \#10 \\ R_{\infty}^{\text{fit}} = (362 \pm 0.41\%) \cdot 10^3$$

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



$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, 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_{size_{max}} = 5, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

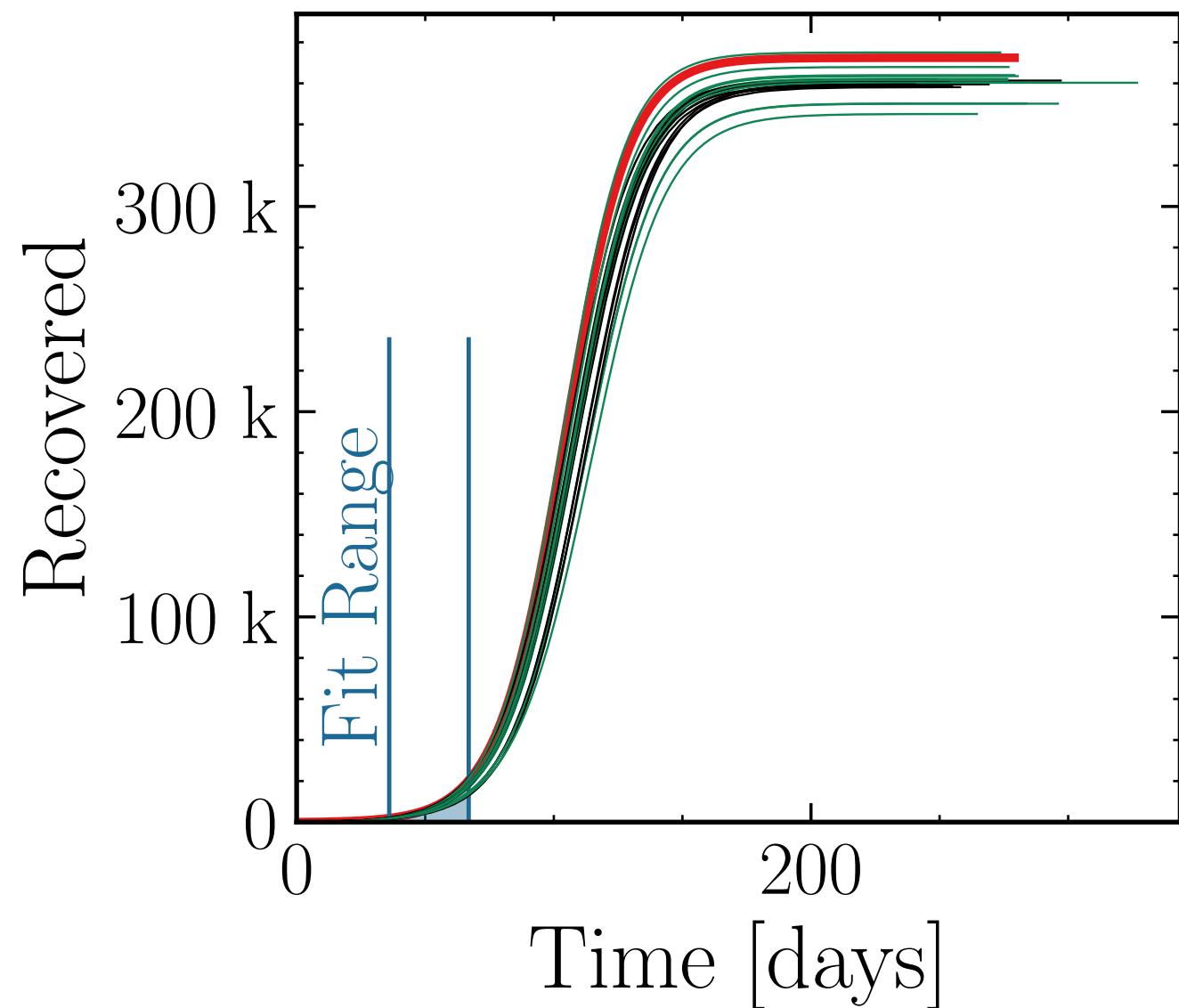
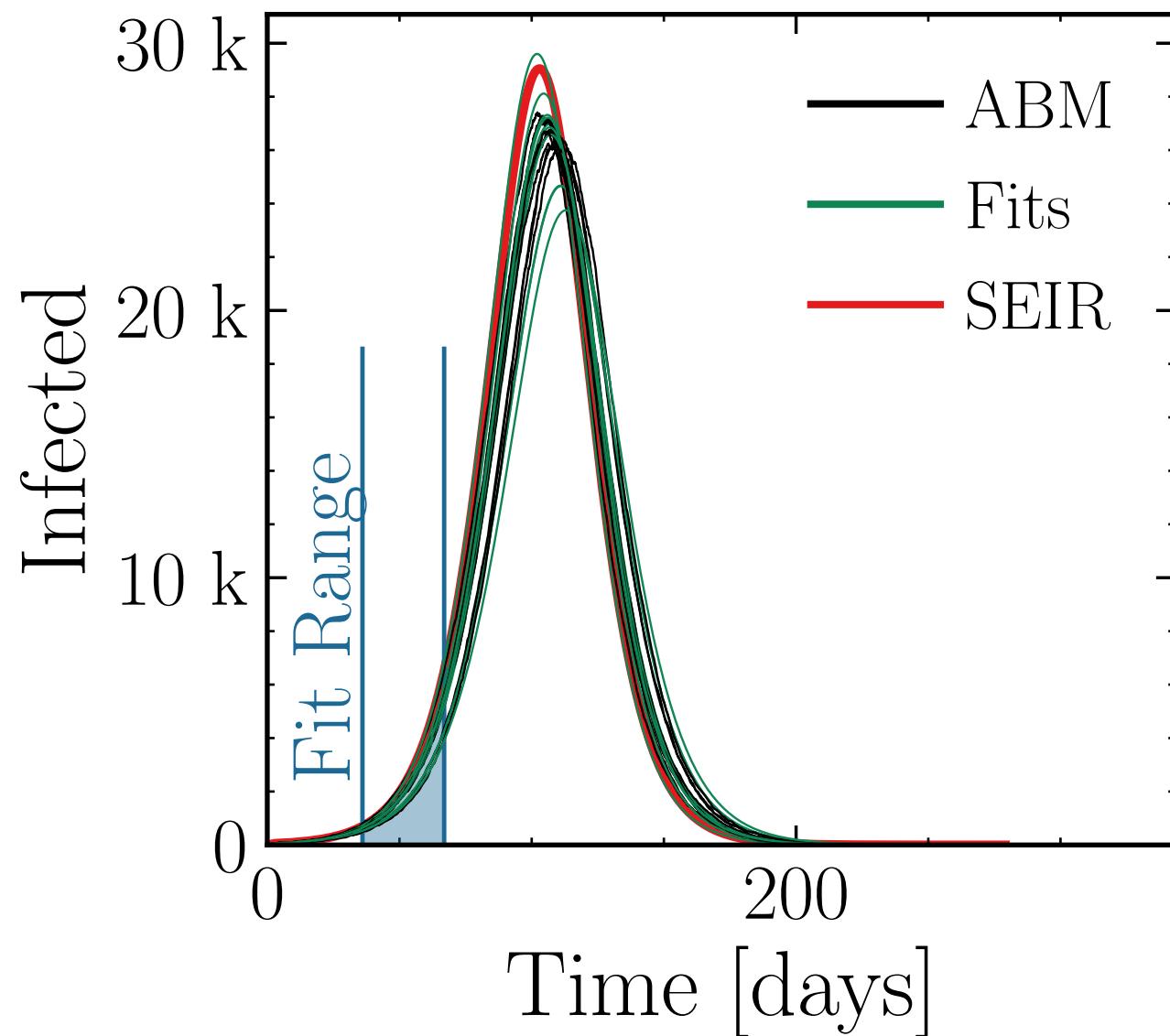
$I_{\text{max}}^{\text{fit}} = (26.6 \pm 2.0\%) \cdot 10^3$

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

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, $N_{\text{retries}}^{\text{connect}} = 0$

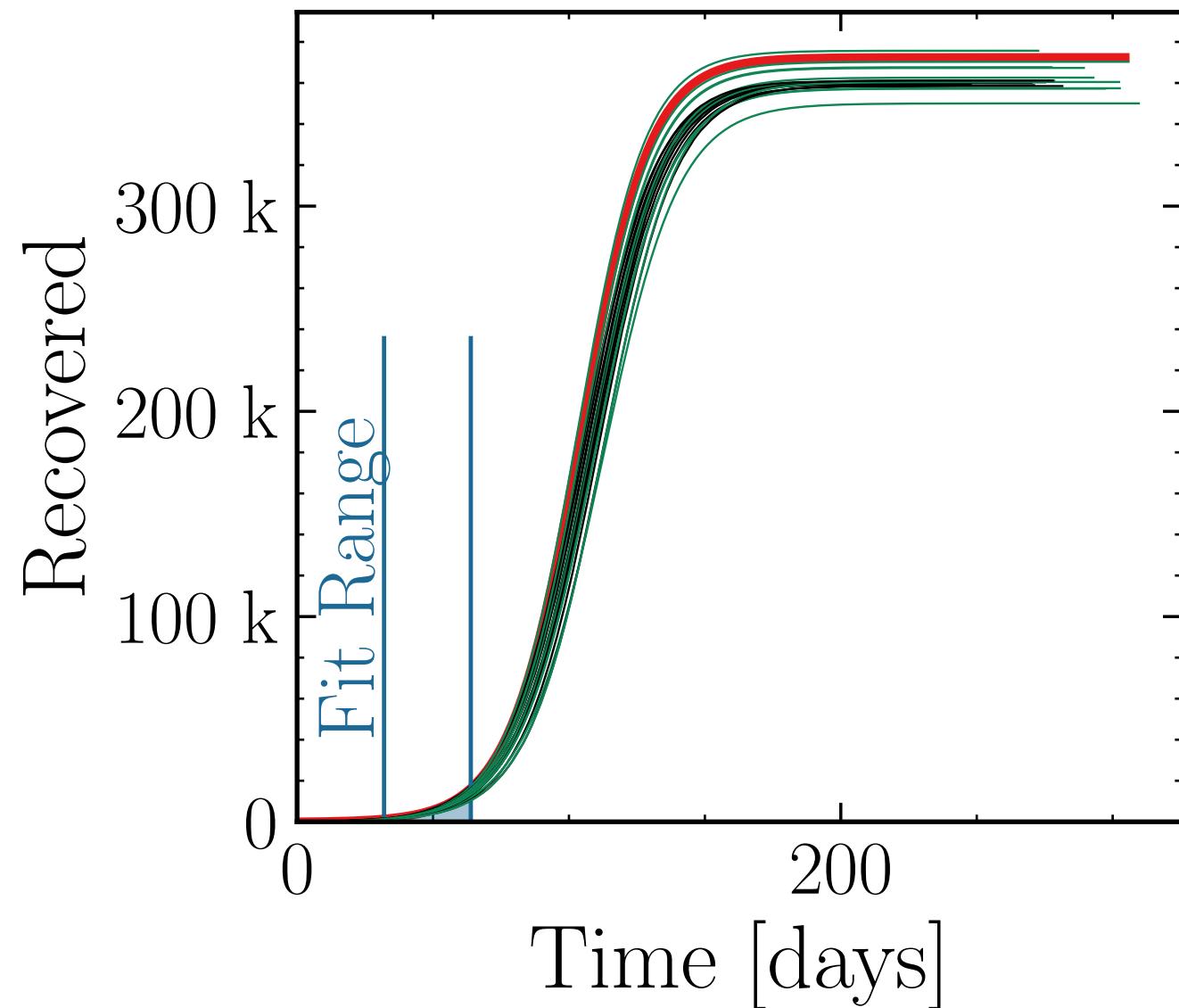
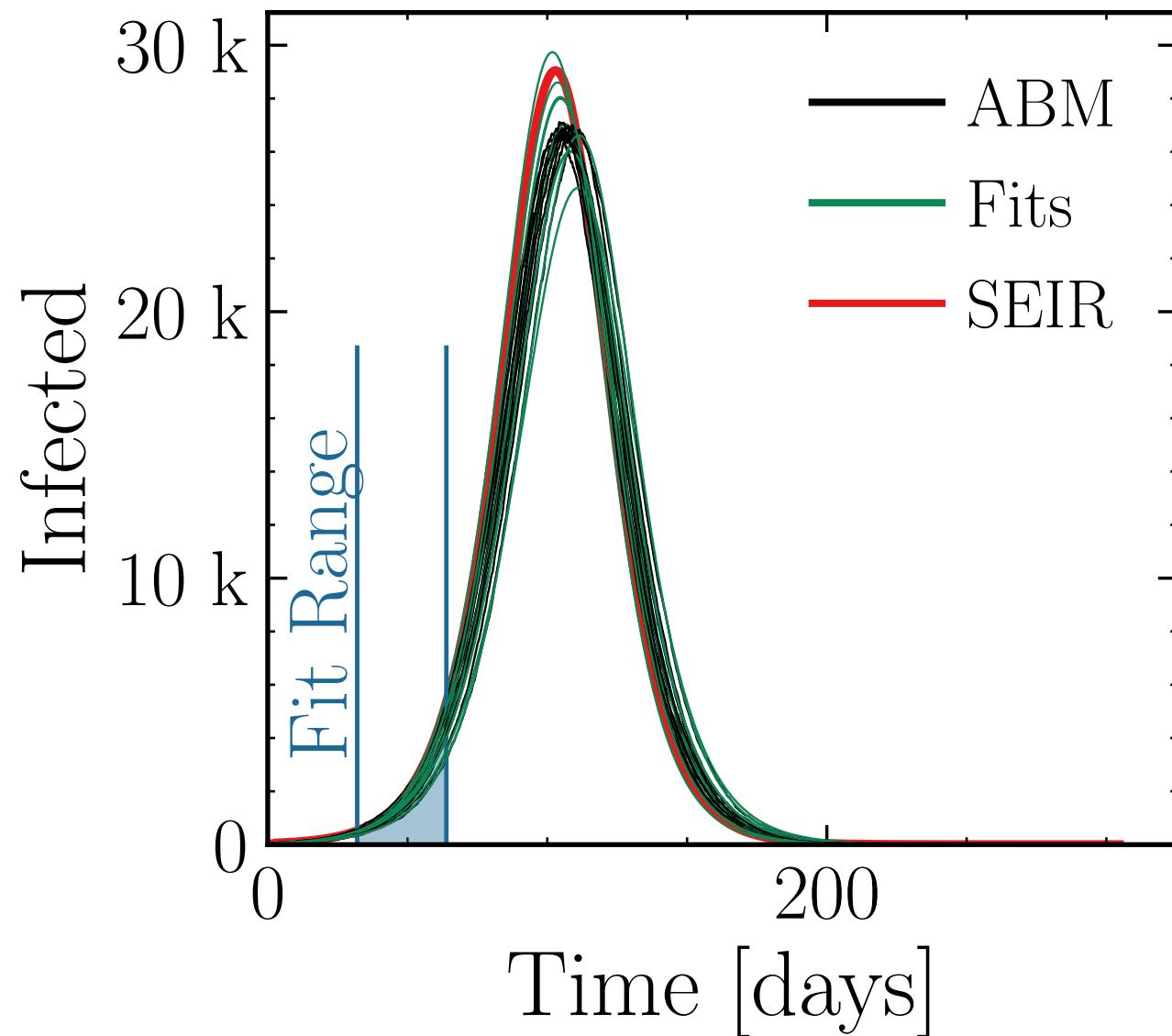
$N_{\text{events}} = 1K$, event_{size_{max}} = 10, event_{size_{mean}} = 50.0, event _{β scaling} = 10.0, event_{weekendmultiplier} = 1.0

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

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{ABM}}^{\text{max}}} = 1.01 \pm 0.017 \quad v. = 1.0, \text{ hash} = c37c396e27, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (363 \pm 0.62\%) \cdot 10^3$$

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



$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, 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_{size_{max}} = 15, event_{size_{mean}} = 50.0, event _{β scaling} = 10.0, event_{weekendmultiplier} = 1.0

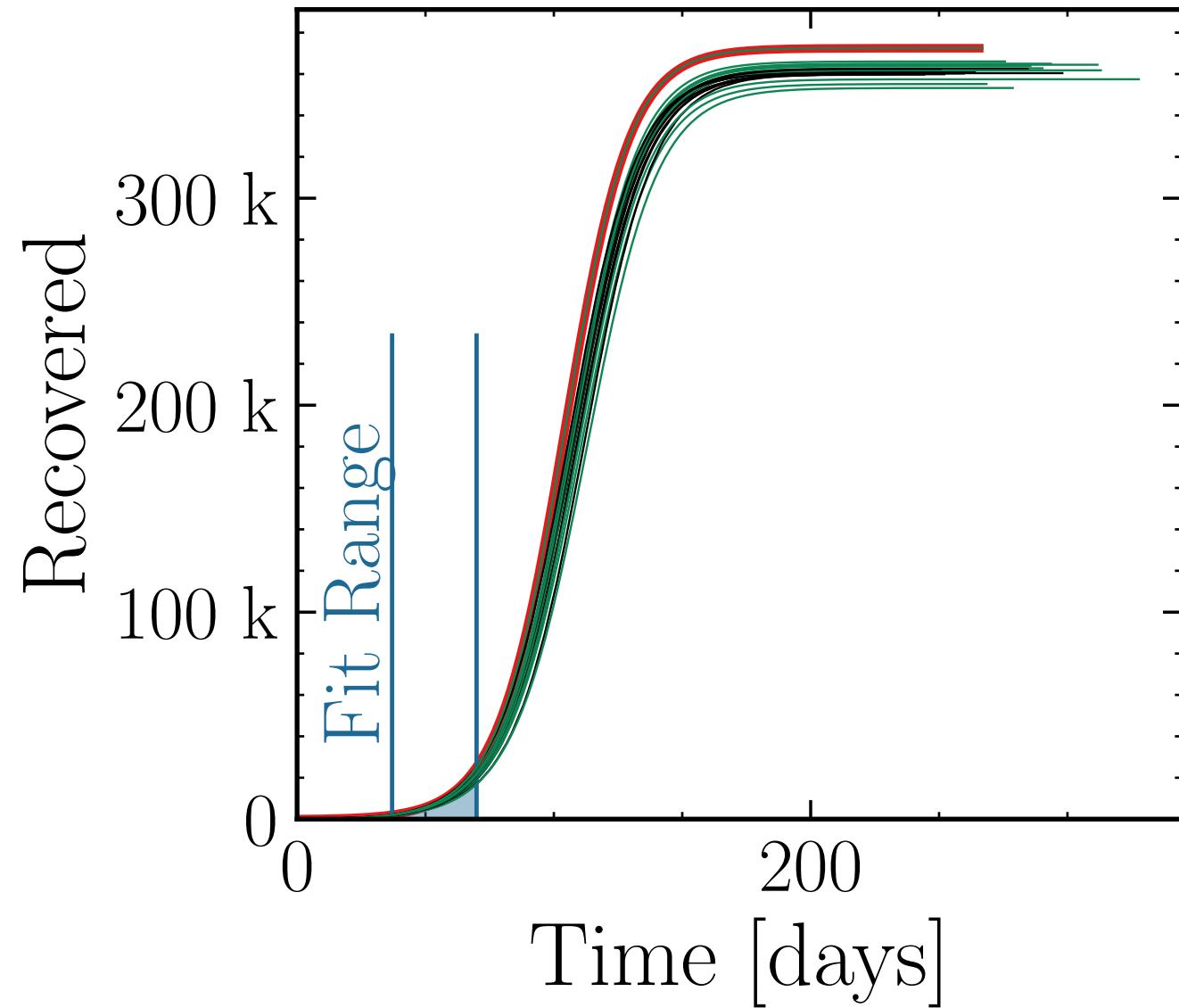
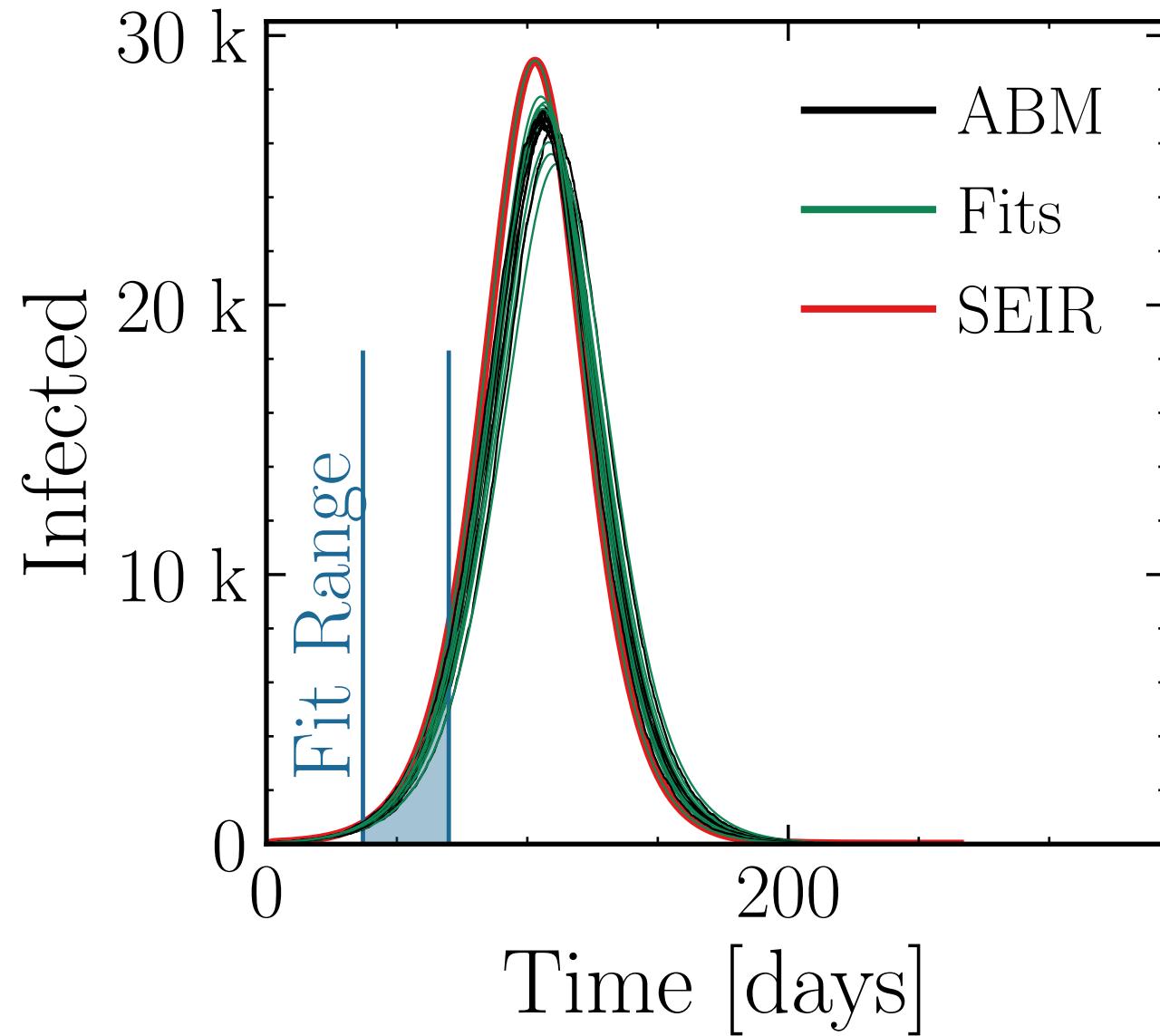
$$I_{\text{max}}^{\text{fit}} = (27 \pm 1.2\%) \cdot 10^3$$

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

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

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

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



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

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

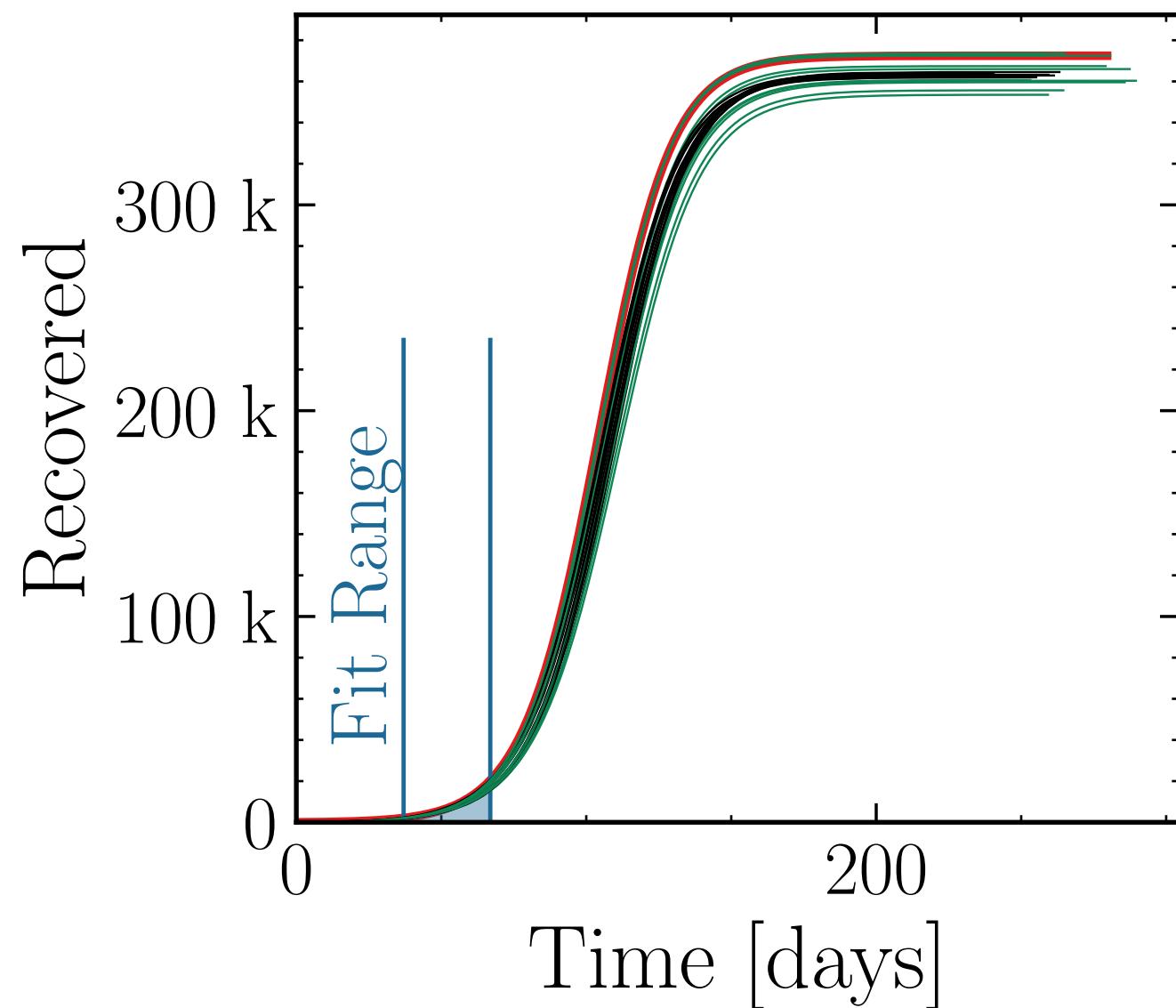
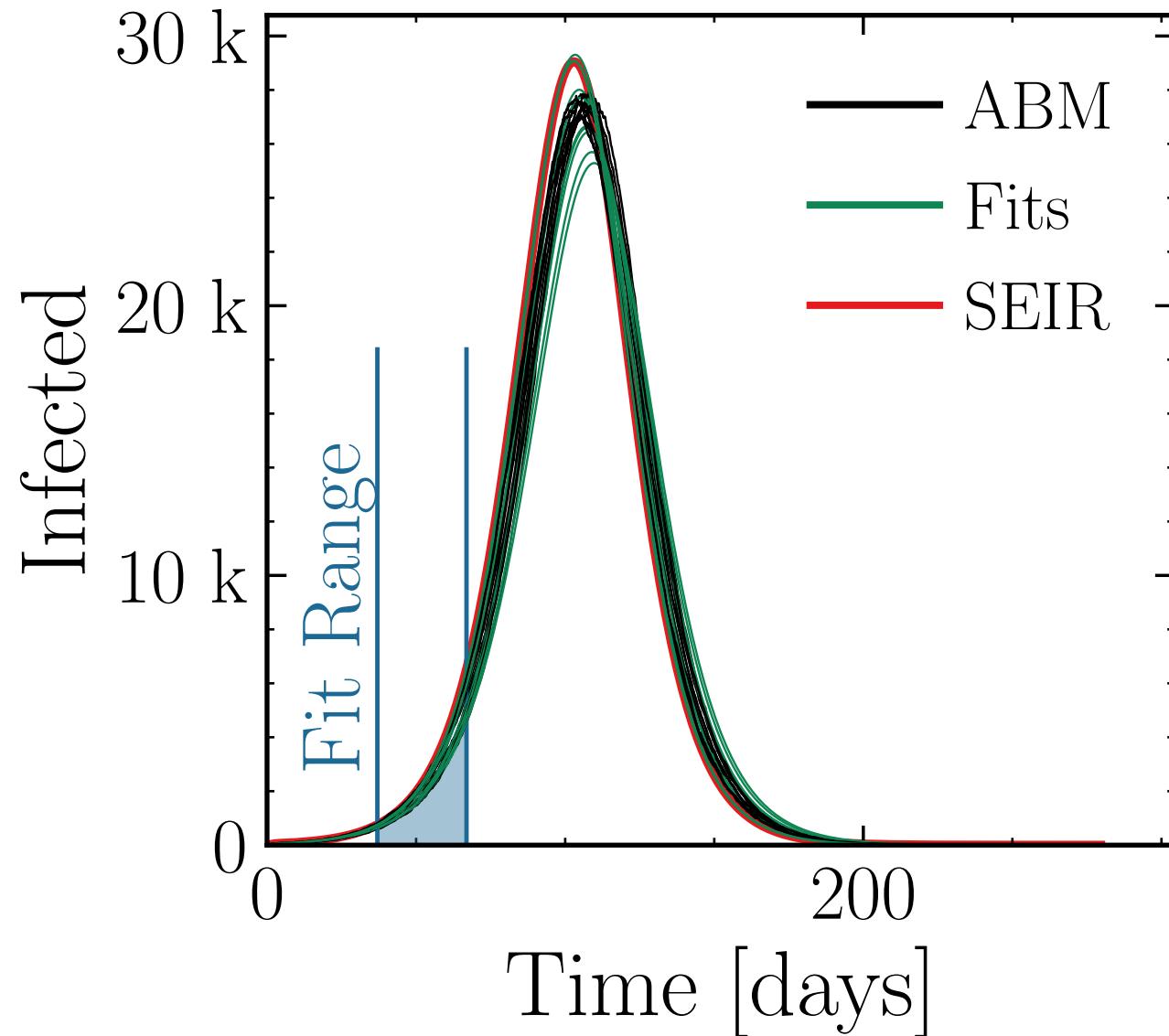
$N_{\text{events}} = 1K$, event_{size_{max}} = 20, event_{size_{mean}} = 50.0, event _{β scaling} = 10.0, event_{weekendmultiplier} = 1.0

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

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{ABM}}^{\text{max}}} = 0.995 \pm 0.018 \quad v. = 1.0, \text{hash} = \text{f469588d20} \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (364 \pm 0.6\%) \cdot 10^3$$

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



$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, 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_{size_{max}} = 30, event_{size_{mean}} = 50.0, event _{β scaling} = 10.0, event_{weekend multiplier} = 1.0

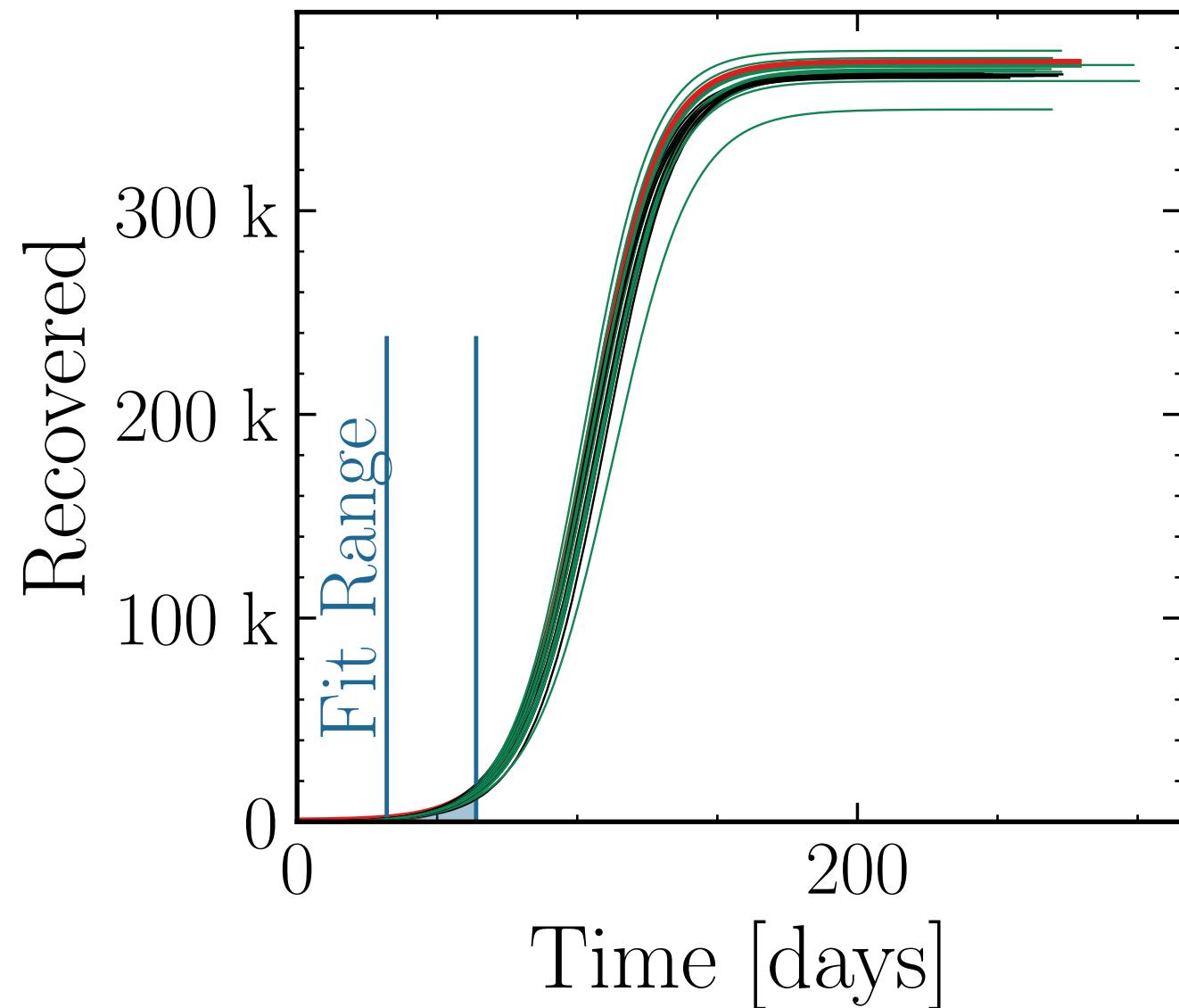
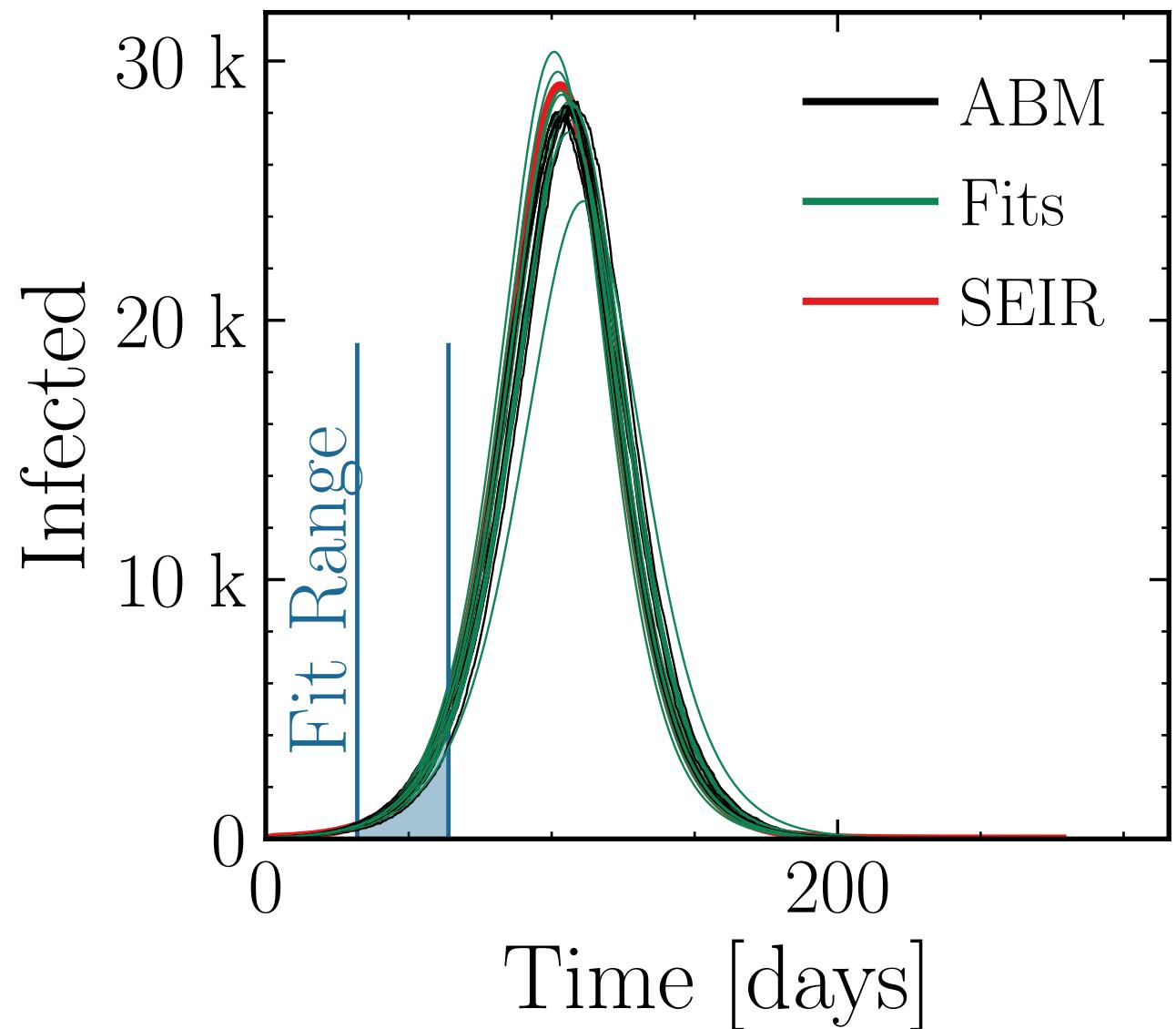
$$I_{\text{max}}^{\text{fit}} = (28.2 \pm 1.6\%) \cdot 10^3$$

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

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

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

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{fit}, \#10}} = 1.005 \pm 0.0065$$



$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, 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_{size_{max}} = 40, event_{size_{mean}} = 50.0, event _{β scaling} = 10.0, event_{weekendmultiplier} = 1.0

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

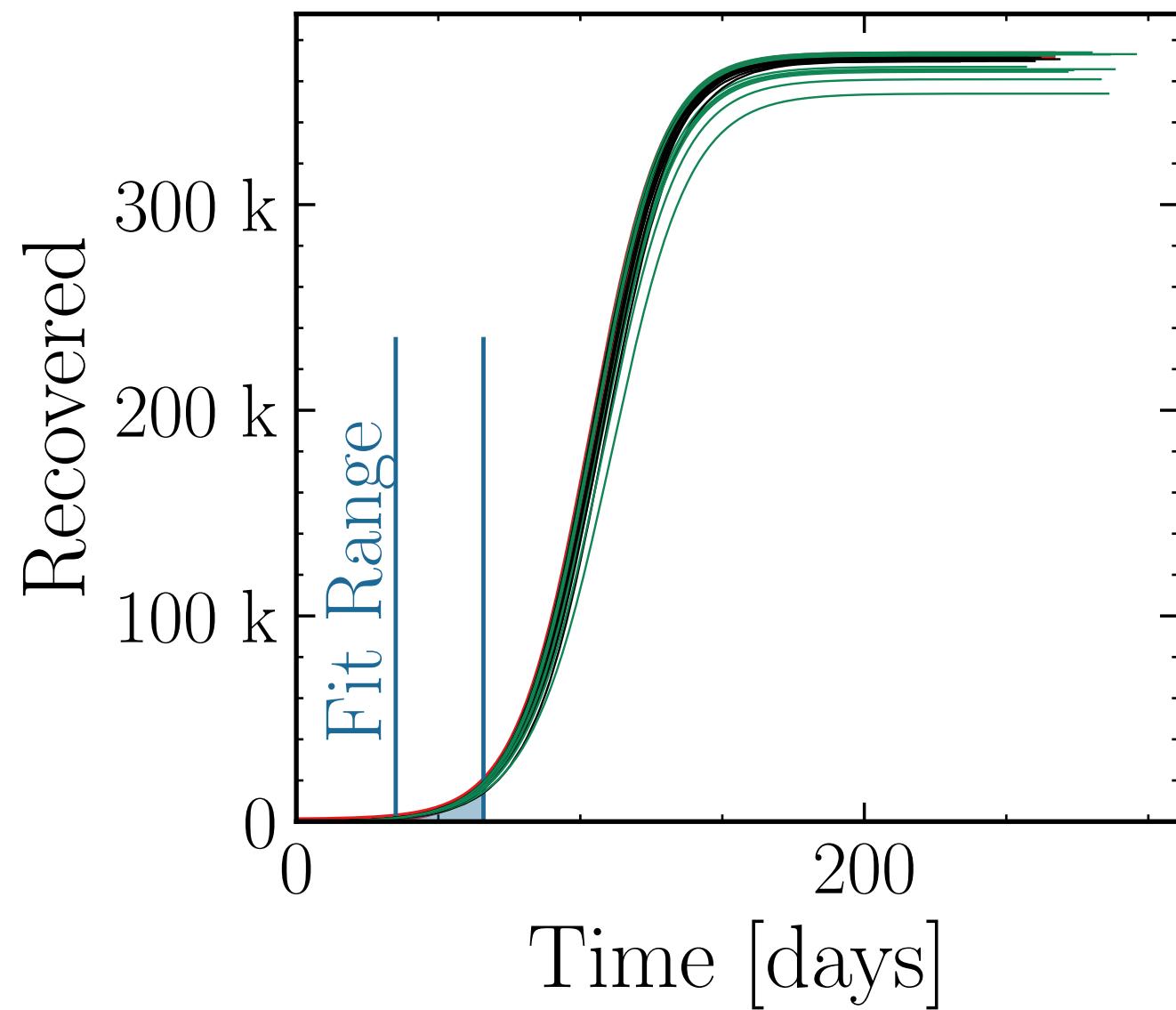
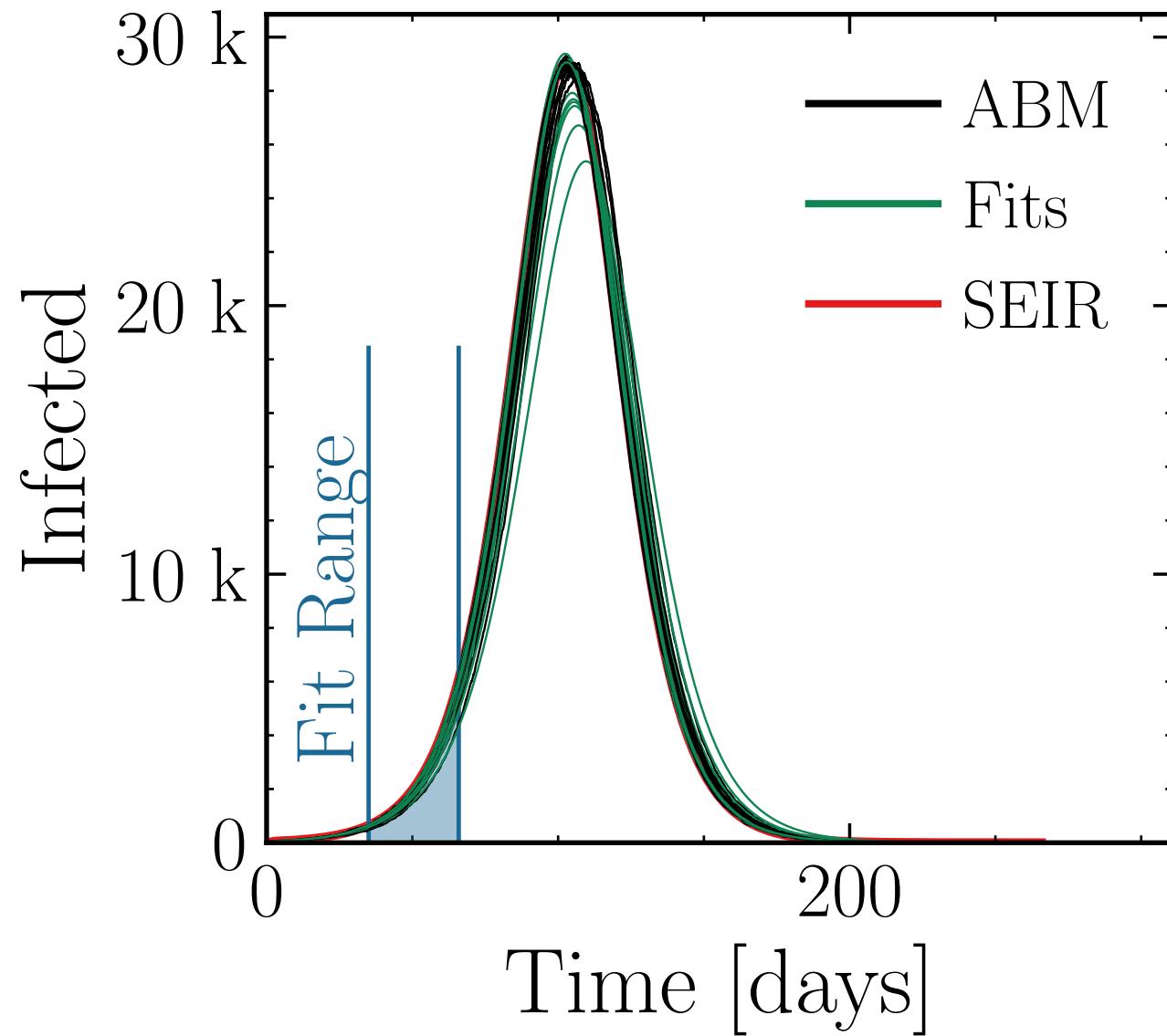
$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 0.96 \pm 0.01$$

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

$$\#10$$

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

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



$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, 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_{size_{max}} = 50, event_{size_{mean}} = 50.0, event _{β scaling} = 10.0, event_{weekendmultiplier} = 1.0

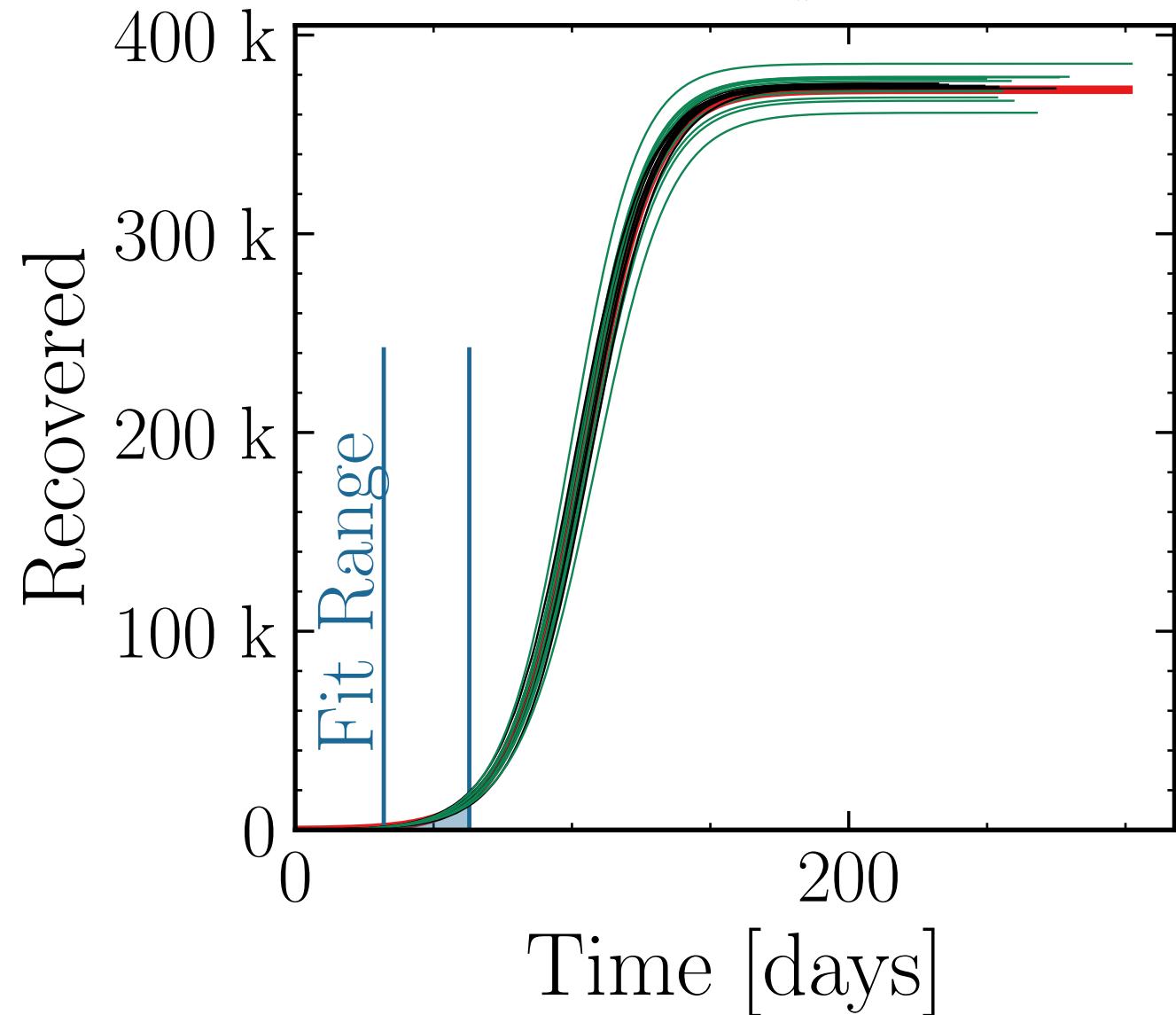
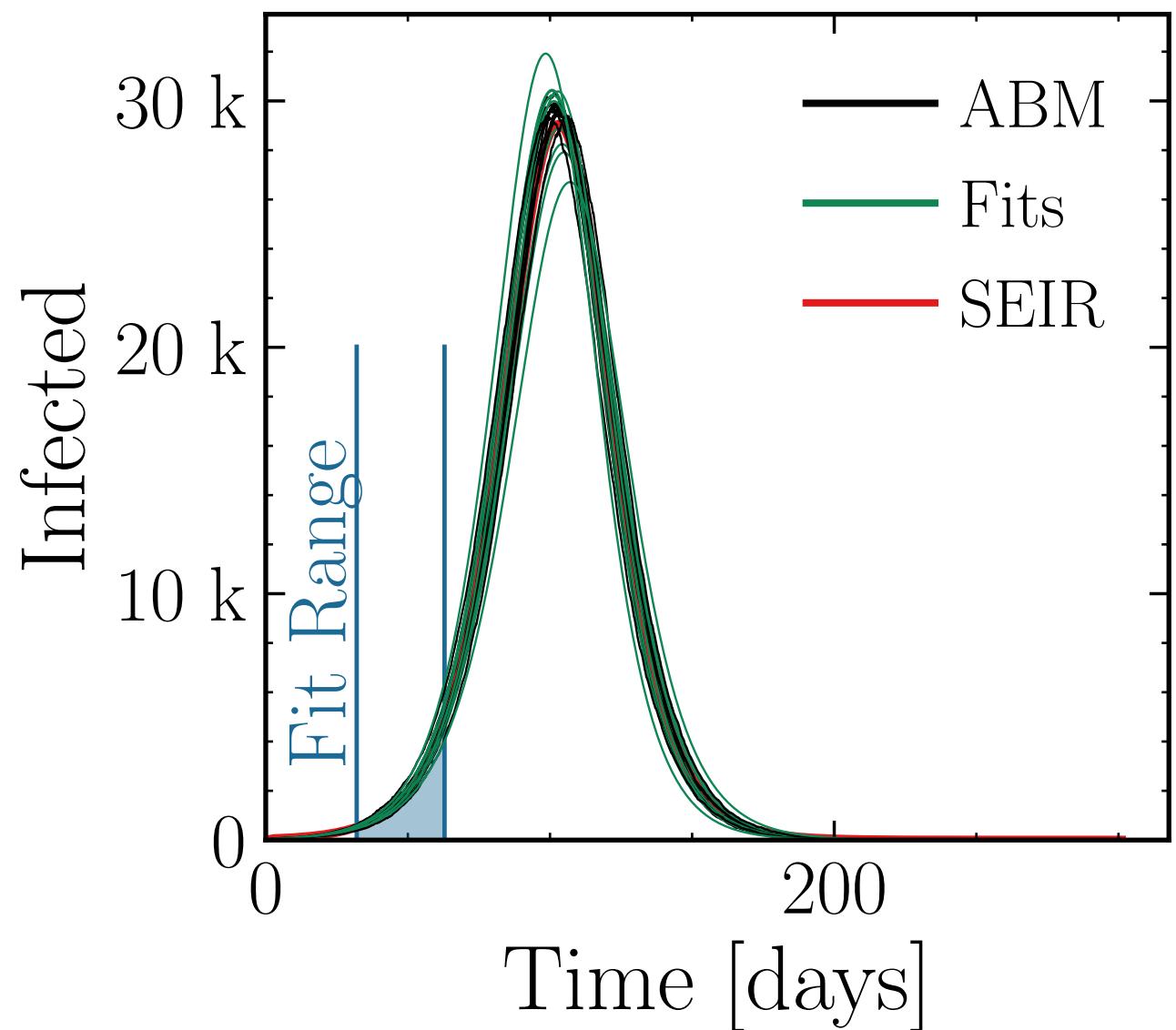
$$I_{\text{max}}^{\text{fit}} = (29.5 \pm 1.6\%) \cdot 10^3$$

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

$$\text{v.} = 1.0, \text{hash} = \text{f455df2193}\#10$$

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

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



$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, 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_{size_{max}} = 75, event_{size_{mean}} = 50.0, event _{β scaling} = 10.0, event_{weekendmultiplier} = 1.0

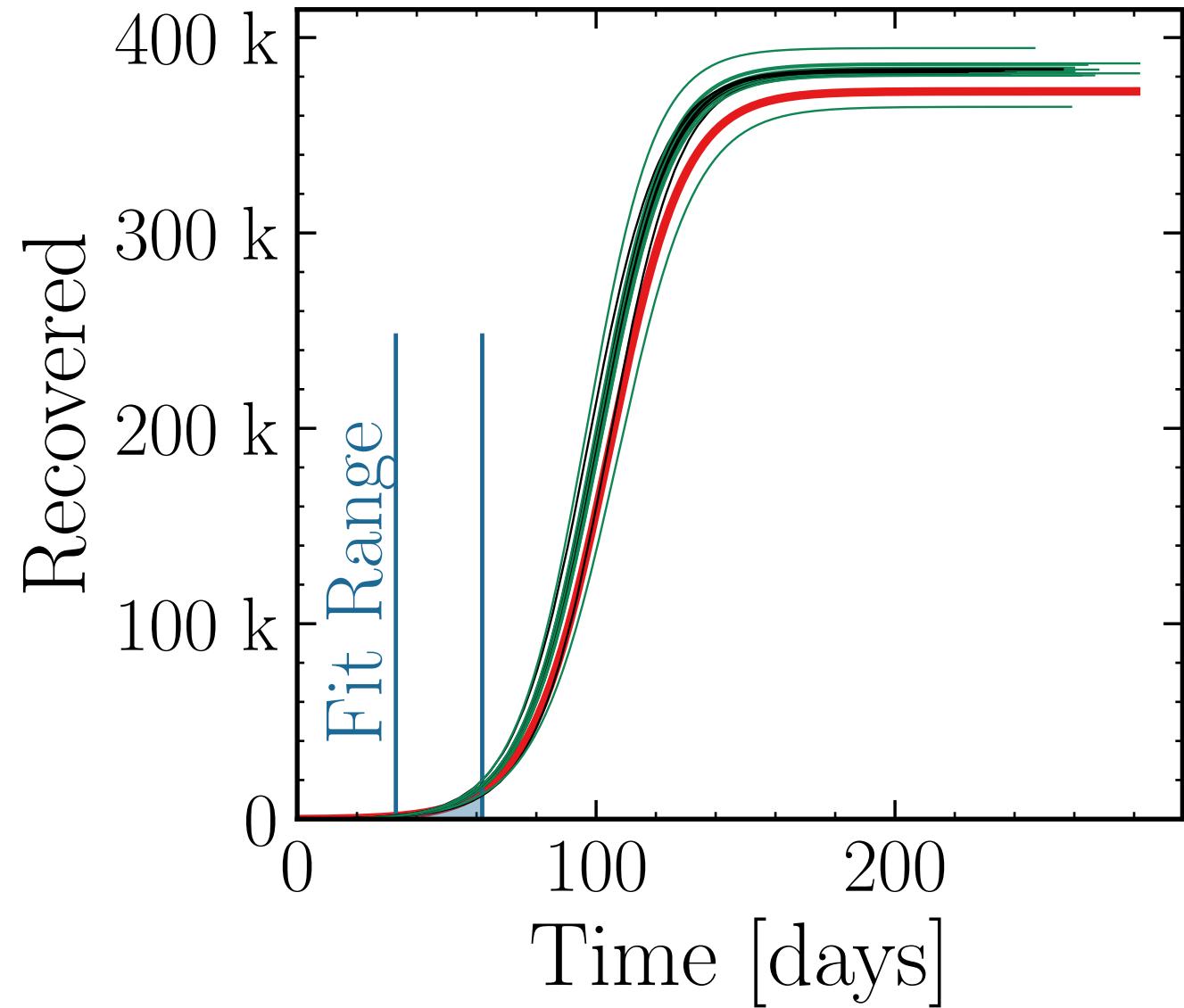
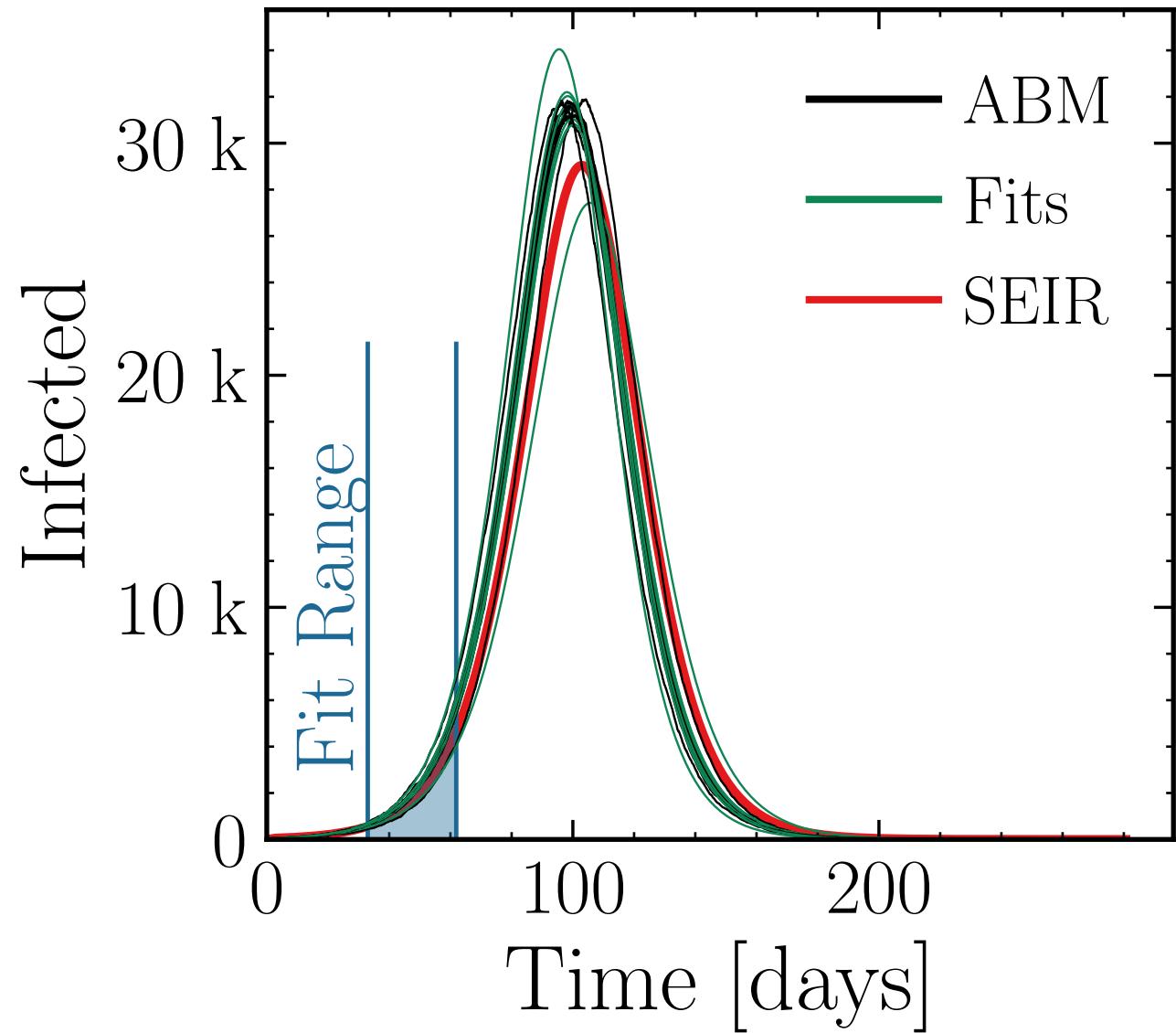
$$I_{\text{max}}^{\text{fit}} = (31.3 \pm 1.6\%) \cdot 10^3$$

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

$$\text{v.} = 1.0, \text{hash} = \text{b8ba17b95b}, \#10$$

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

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



$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, 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_{size_{max}} = 100, event_{size_{mean}} = 50.0, event _{β scaling} = 10.0, event_{weekendmultiplier} = 1.0

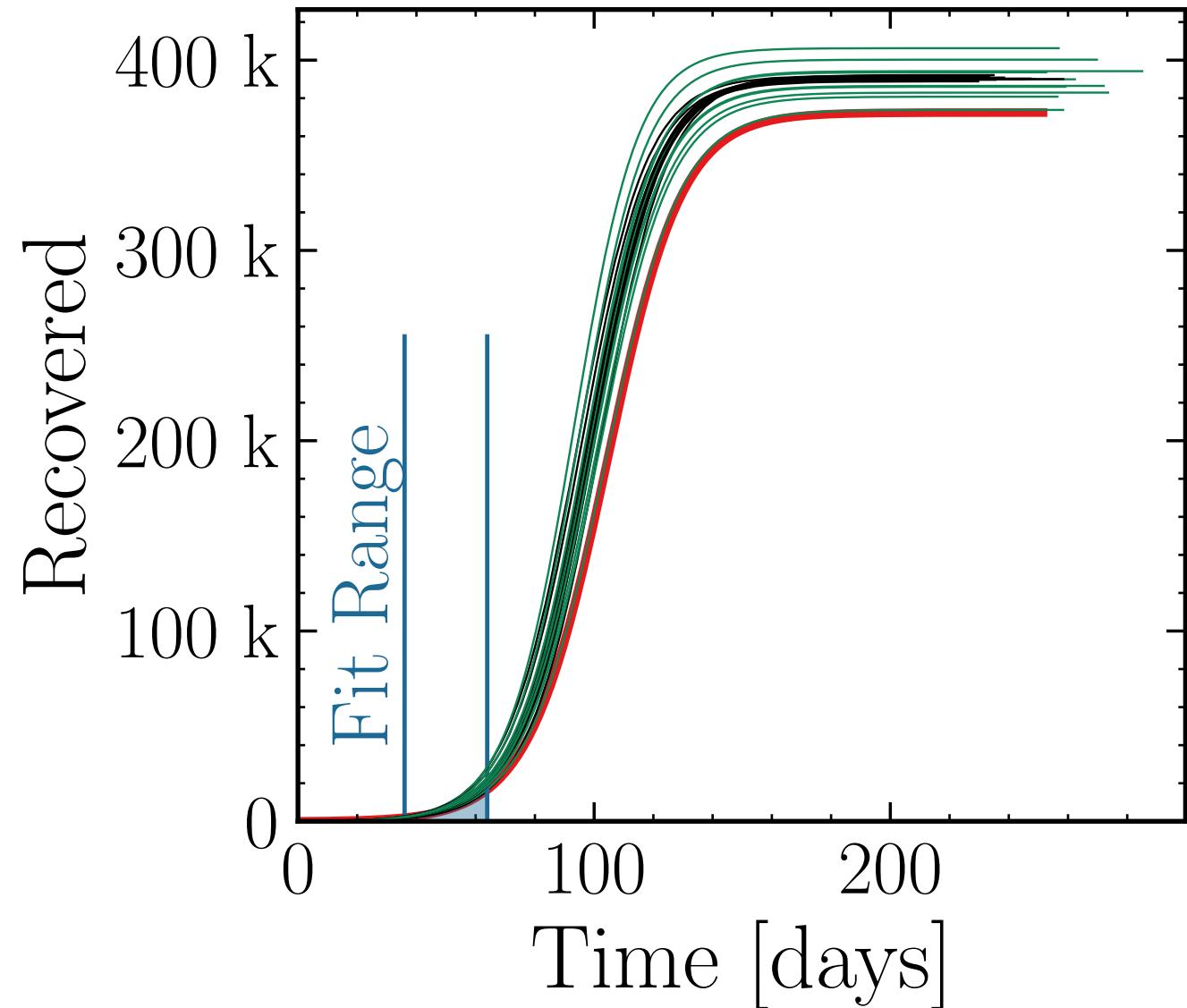
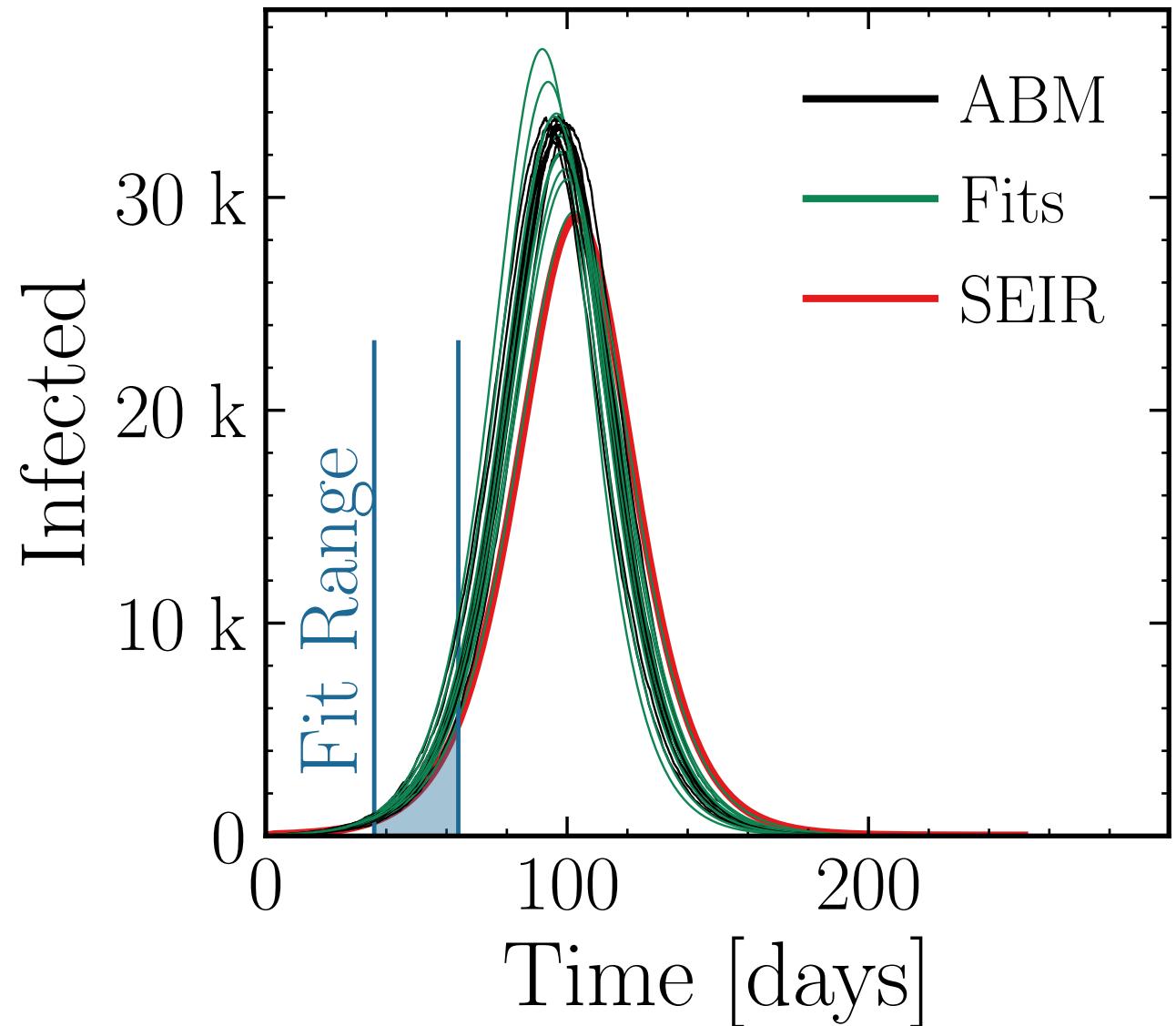
$$I_{\text{max}}^{\text{fit}} = (32.9 \pm 2.1\%) \cdot 10^3$$

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

$$\text{v.} = 1.0, \text{hash} = \text{db7717d1c1}, \#10$$

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

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



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

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

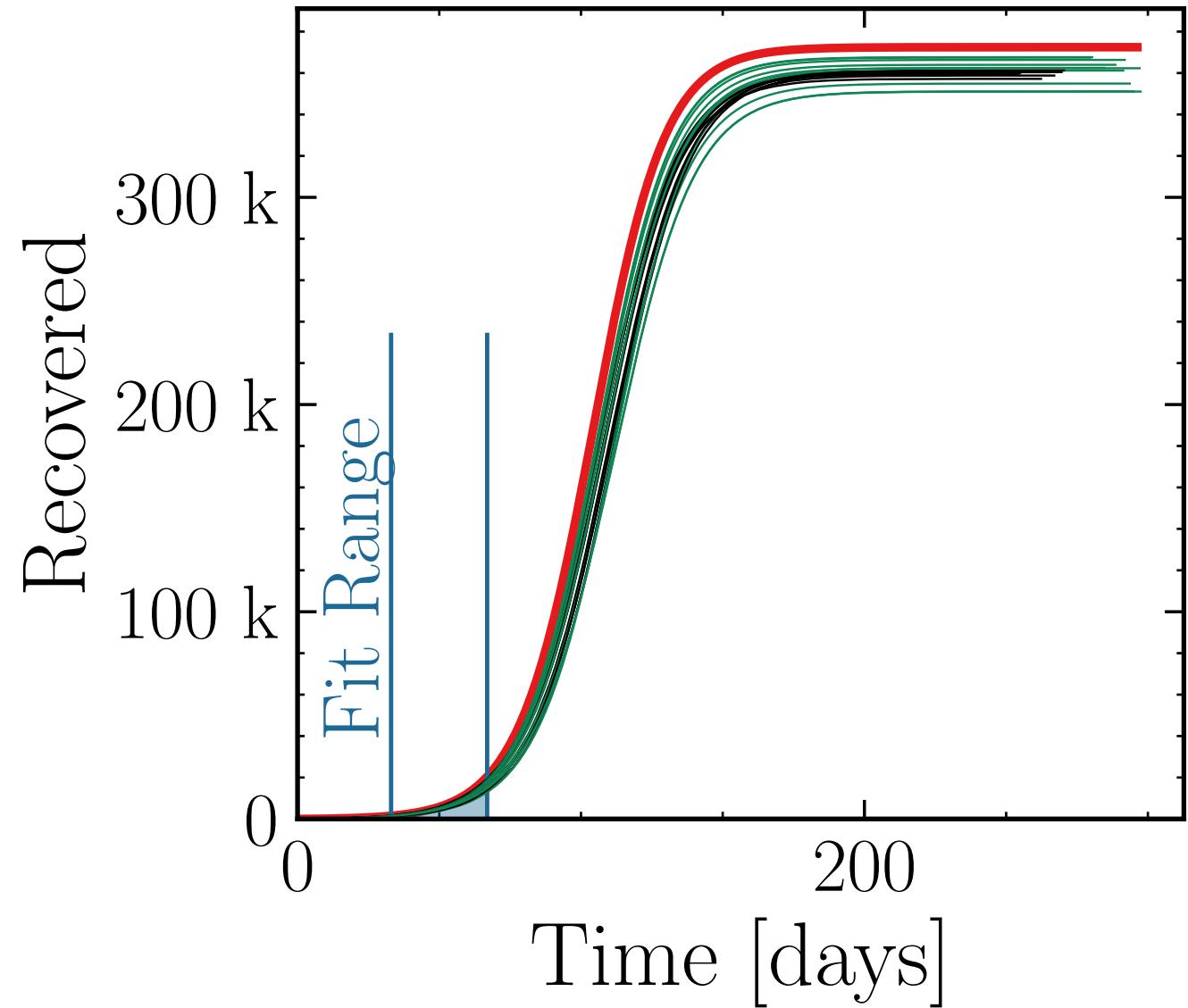
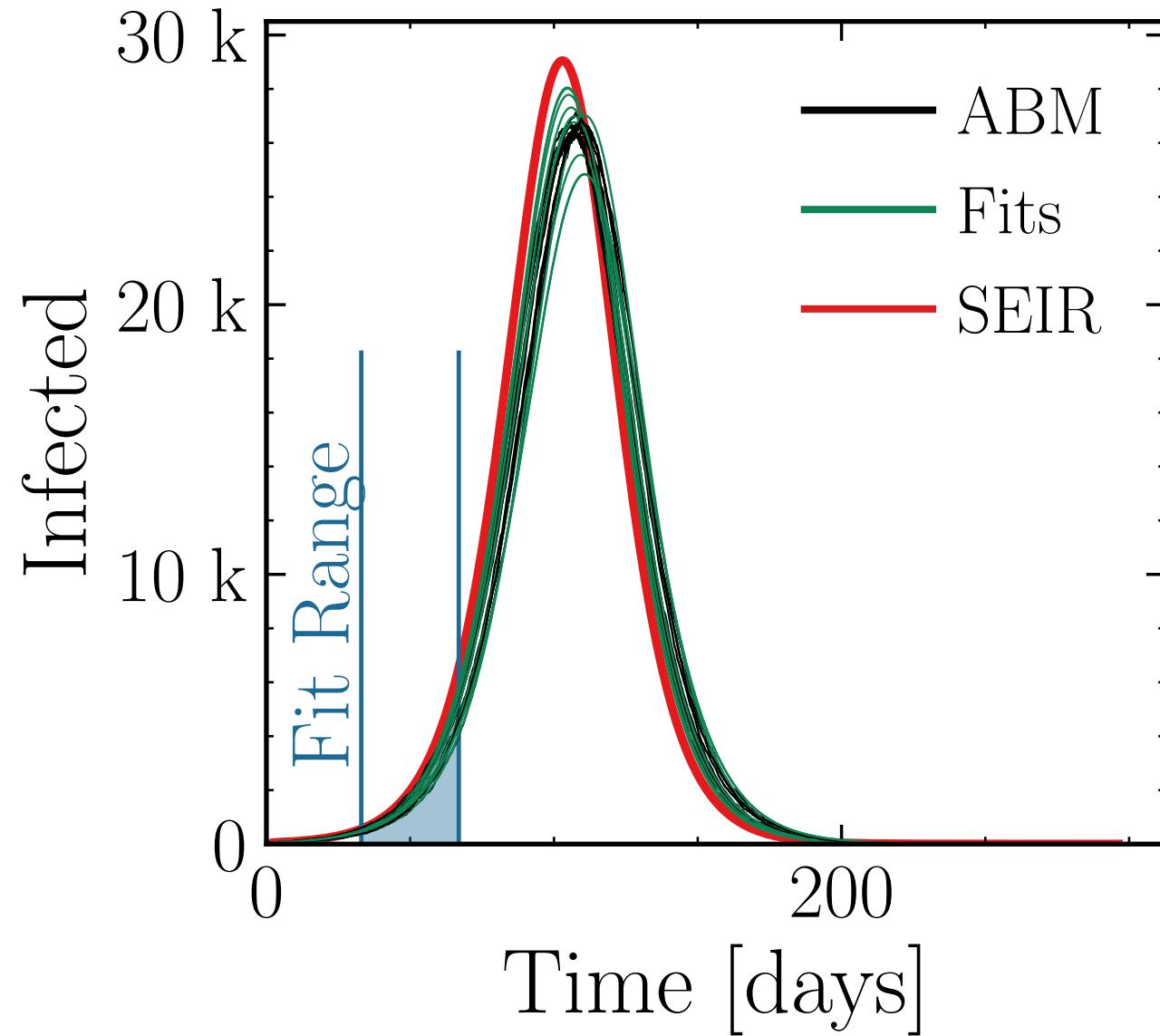
$N_{\text{events}} = 10K$, event_{size_{max}} = 1, event_{size_{mean}} = 50.0, event _{β scaling} = 10.0, event_{weekendmultiplier} = 1.0

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

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

$$\text{v.} = 1.0, \text{hash} = \text{d7c2d1ee60}\#10, R_{\infty}^{\text{fit}} = (361 \pm 0.53\%) \cdot 10^3$$

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



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

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

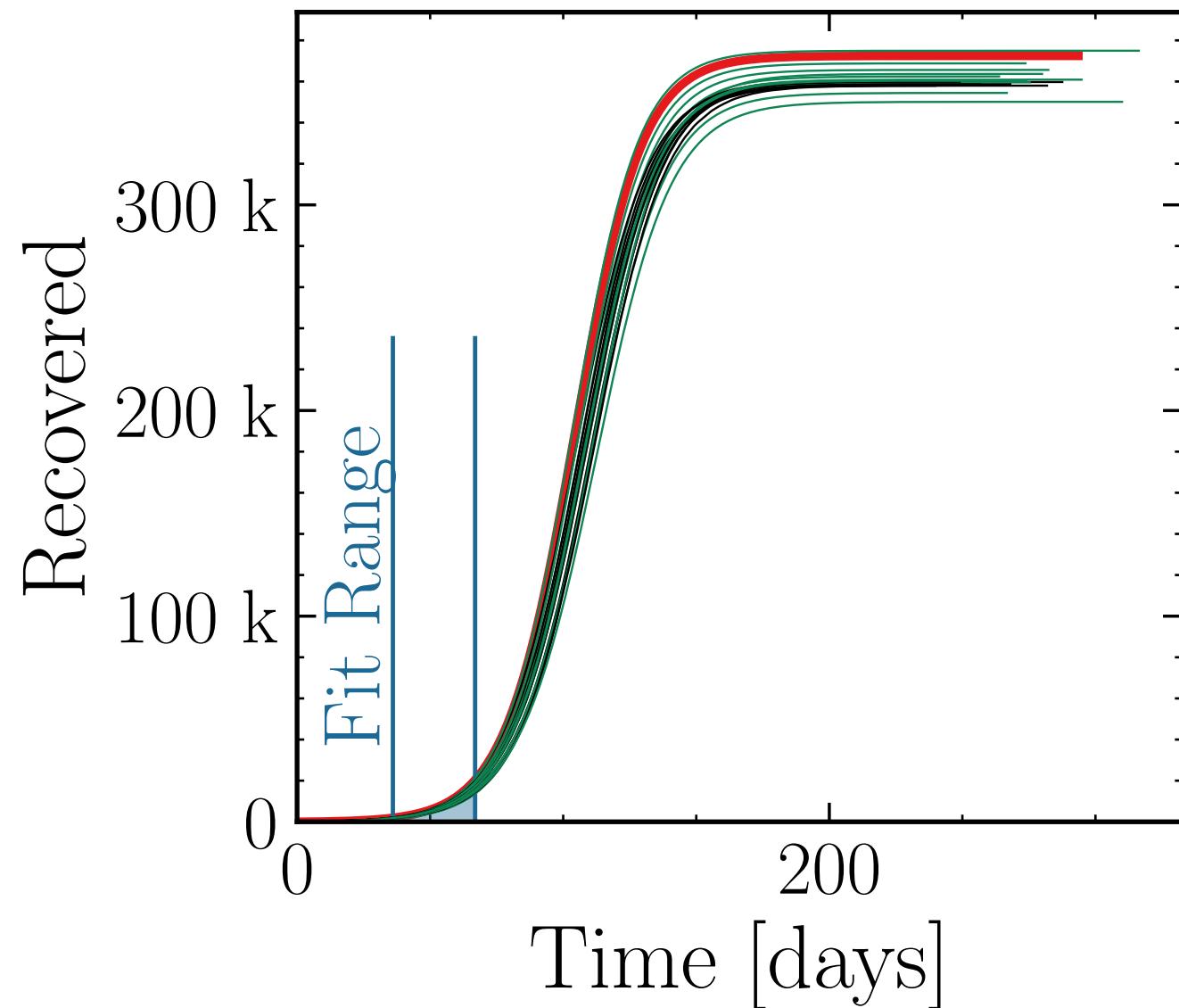
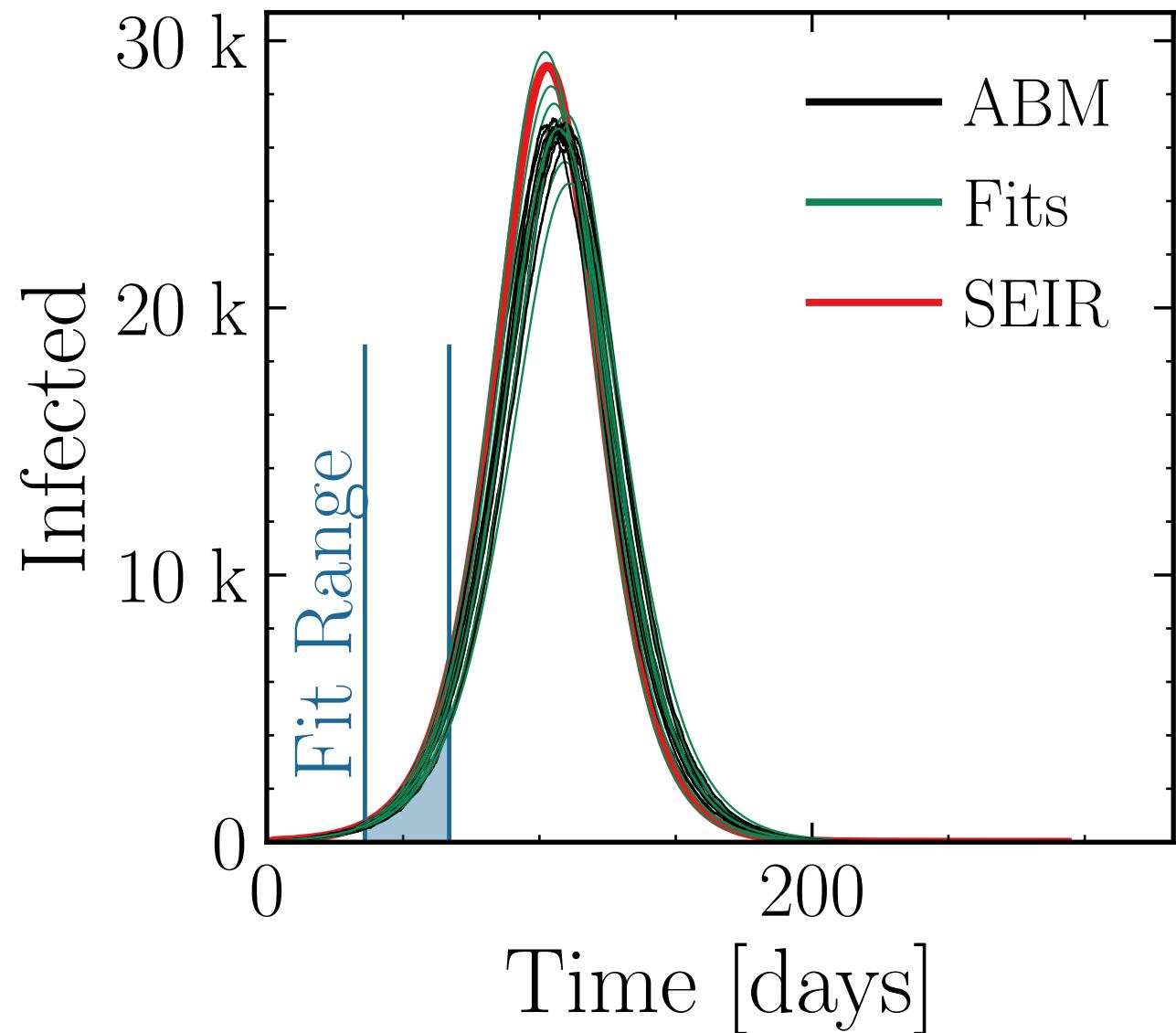
$N_{\text{events}} = 10K$, event_{size_{max}} = 2, event_{size_{mean}} = 50.0, event_{β_{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

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

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

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

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



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

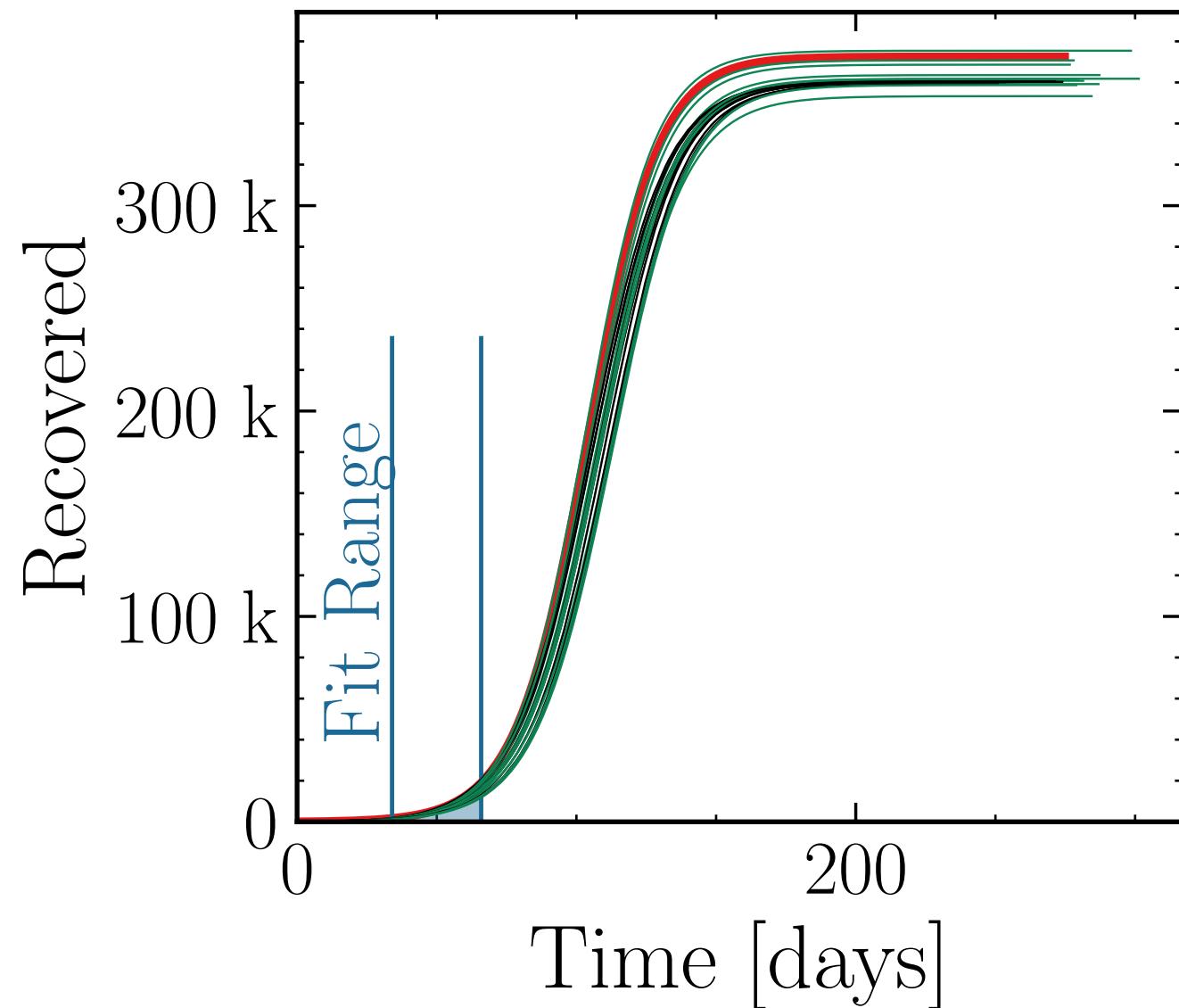
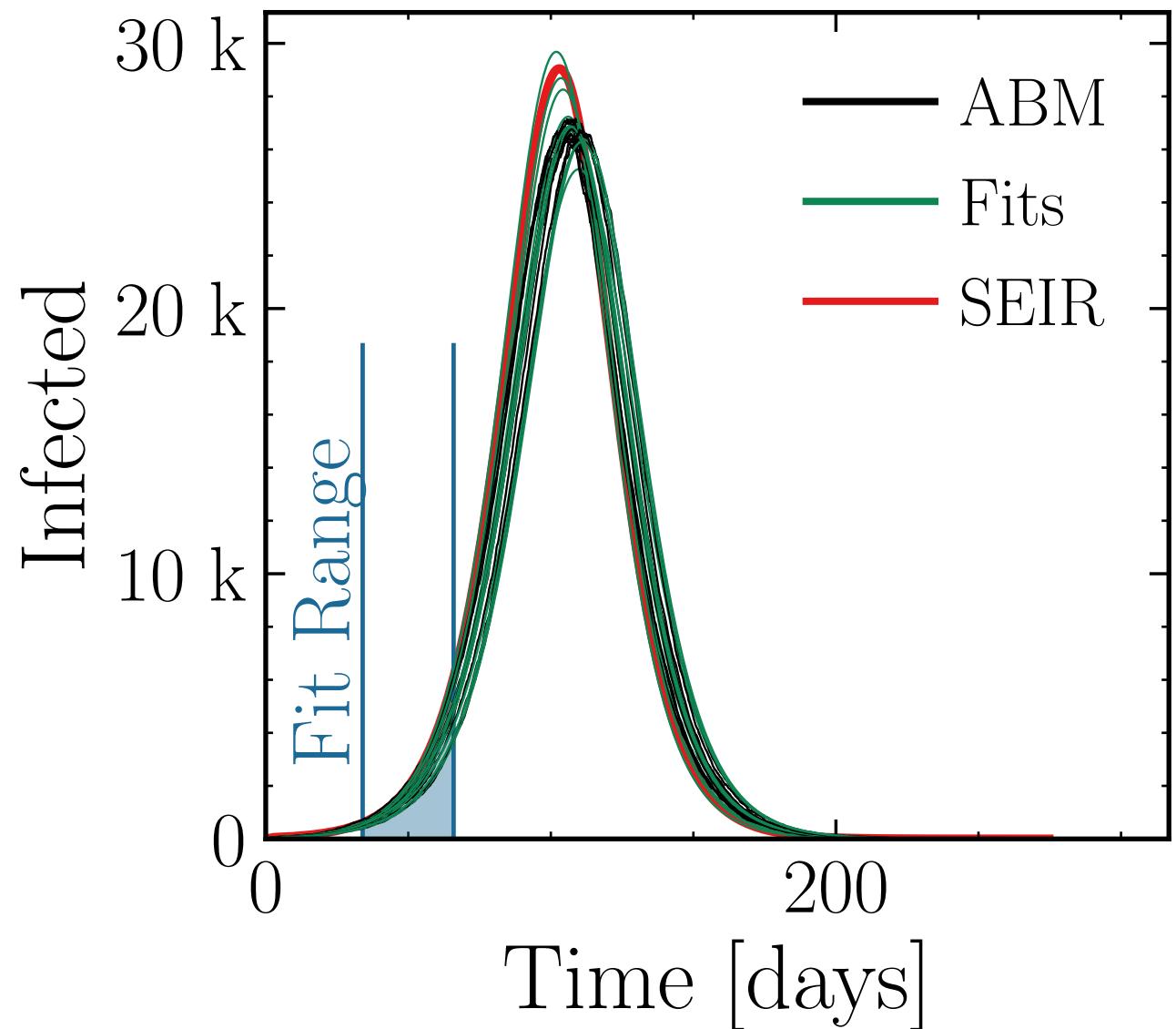
$\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 10K$, event_{size_{max}} = 3, event_{size_{mean}} = 50.0, event _{β scaling} = 10.0, event_{weekendmultiplier} = 1.0

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

$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{ABM}}^{\text{max}}} = 1.02 \pm 0.016$ v. = 1.0, hash = 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_{size_{max}} = 4, event_{size_{mean}} = 50.0, event _{β scaling} = 10.0, event_{weekendmultiplier} = 1.0

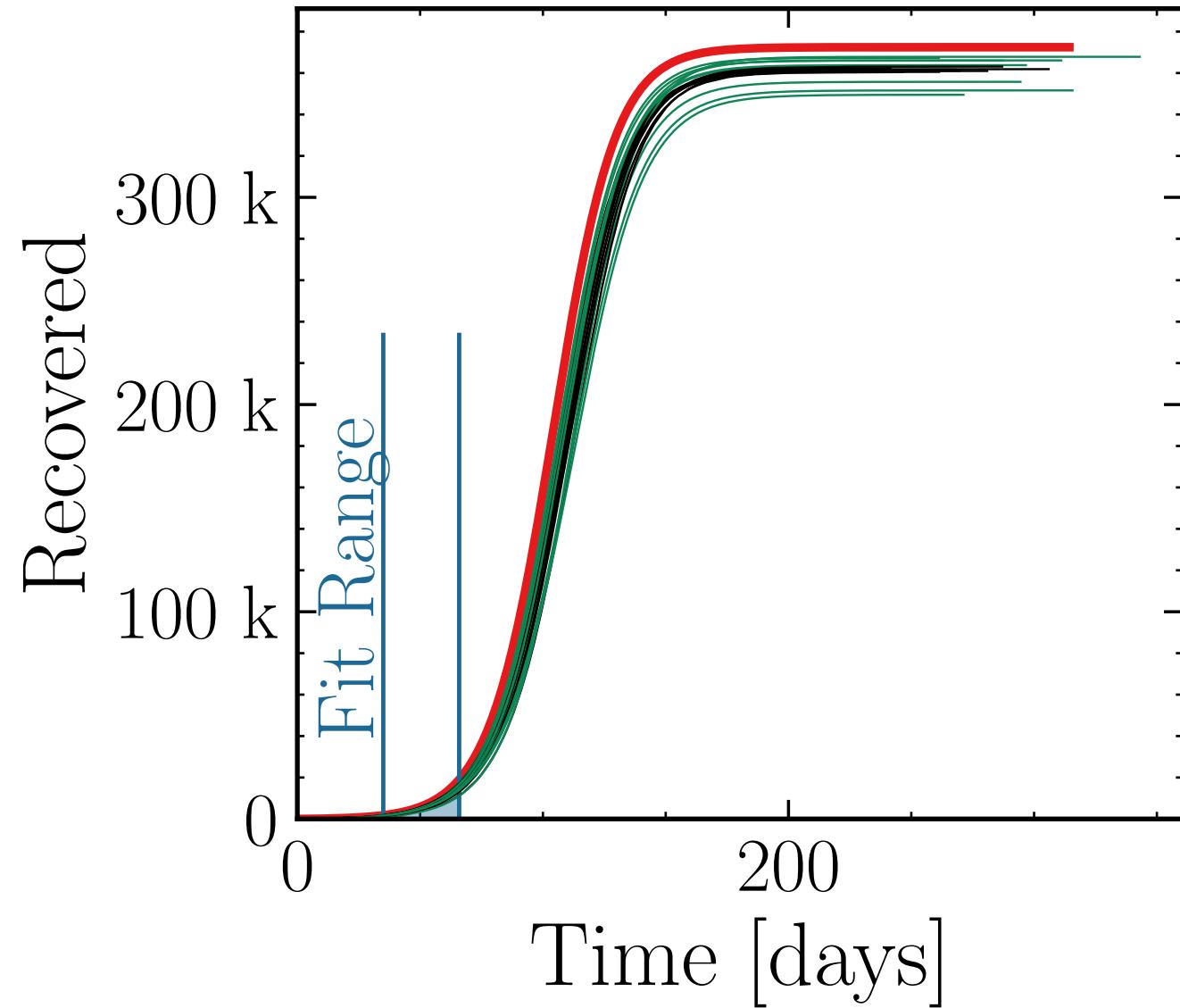
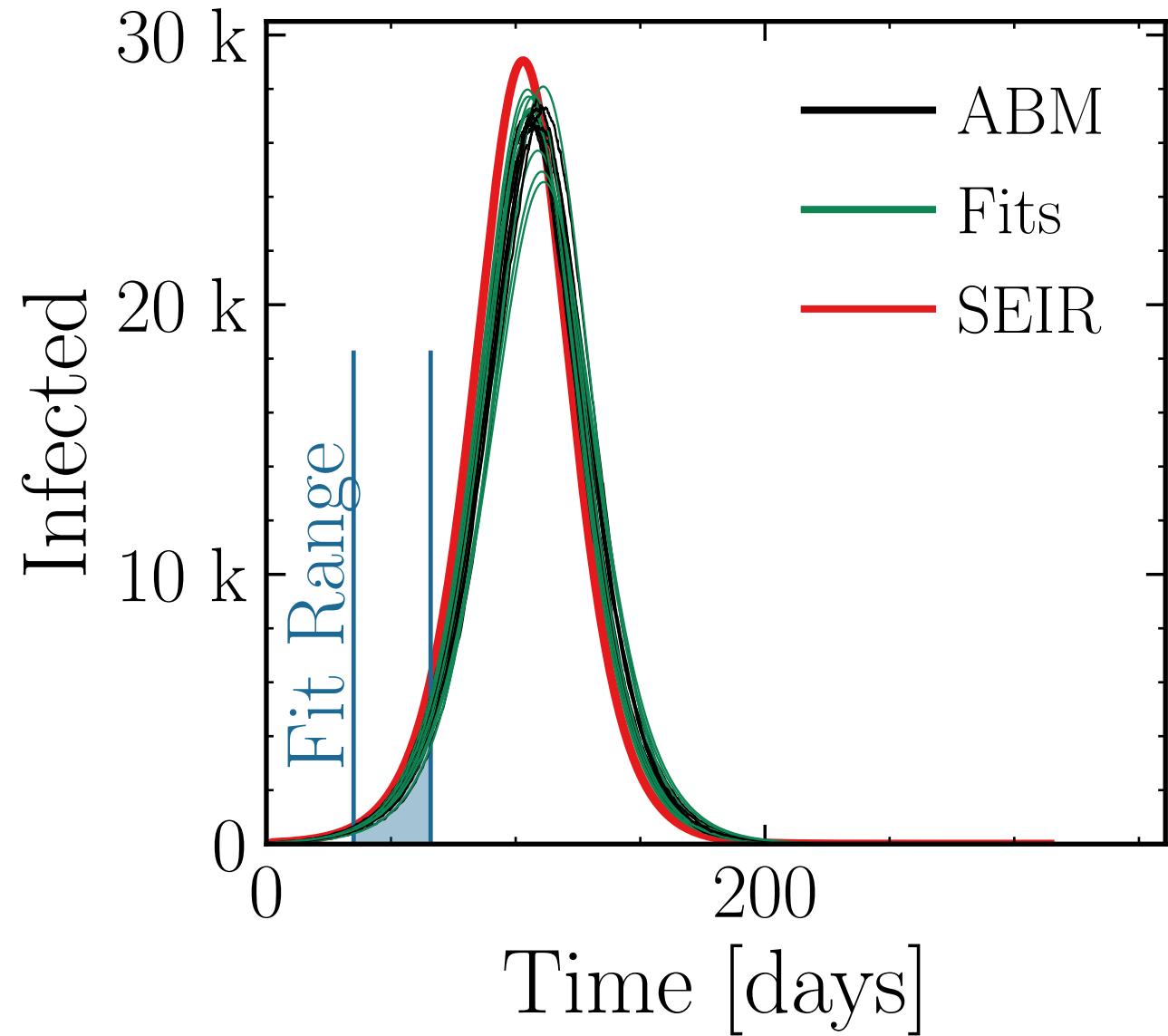
$I_{\text{max}}^{\text{fit}} = (26.8 \pm 1.4\%) \cdot 10^3$

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

v. = 1.0, hash = 08137d4382, #10

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

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



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

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

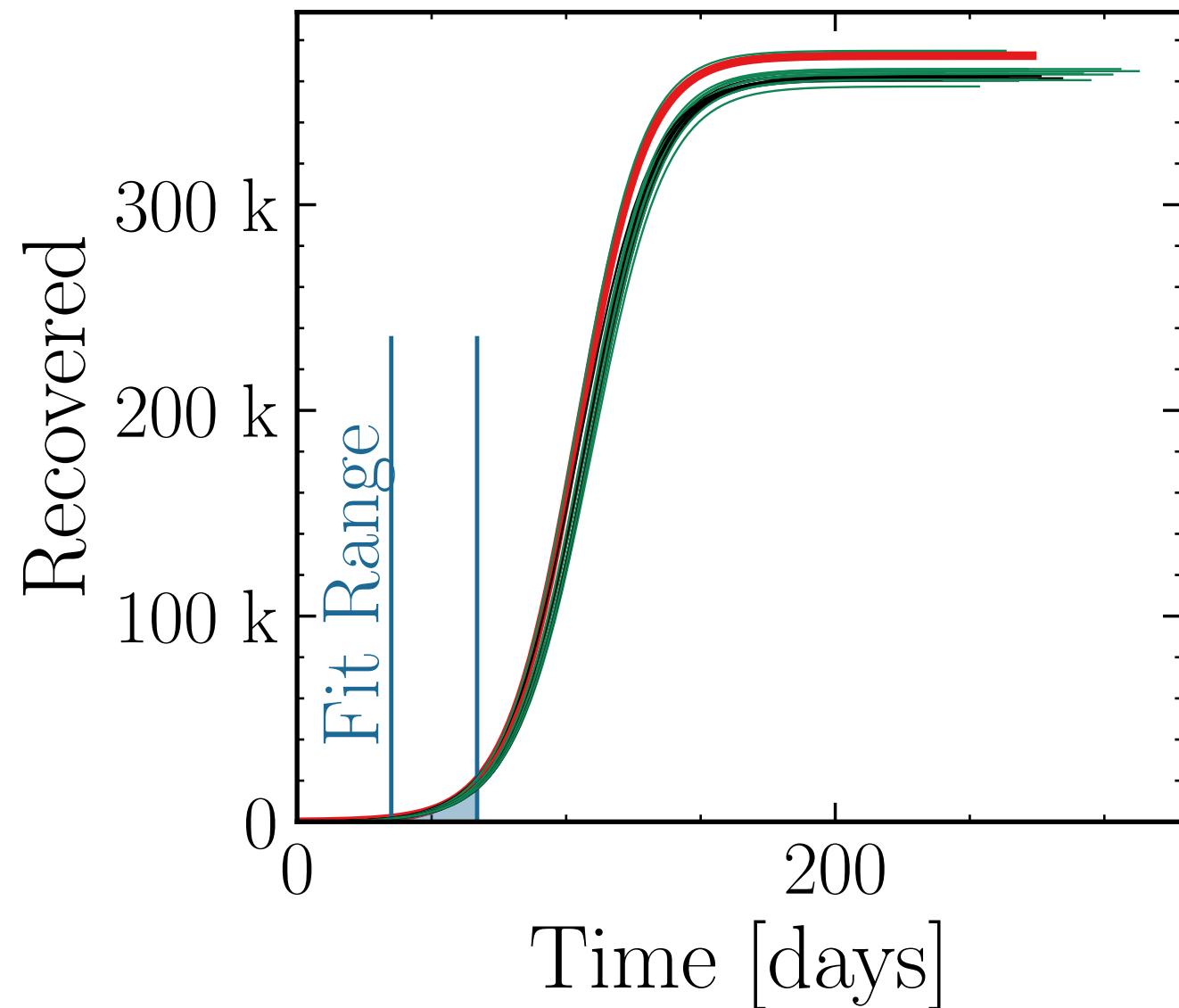
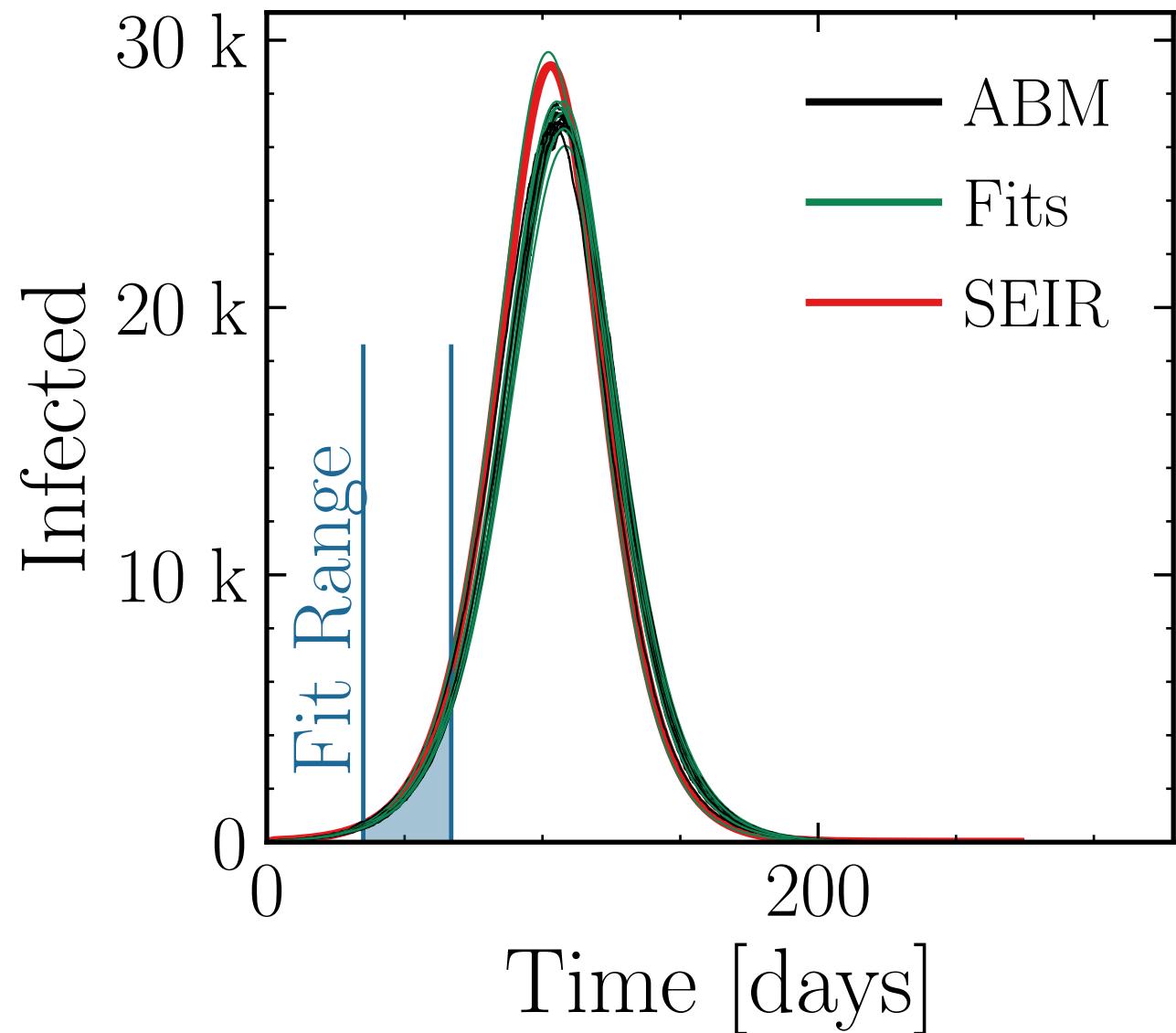
$N_{\text{events}} = 10K$, event_{size_{max}} = 5, event_{size_{mean}} = 50.0, event _{β scaling} = 10.0, event_{weekendmultiplier} = 1.0

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

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

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

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



$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, 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_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β scaling} = 10.0, event_{weekendmultiplier} = 1.0

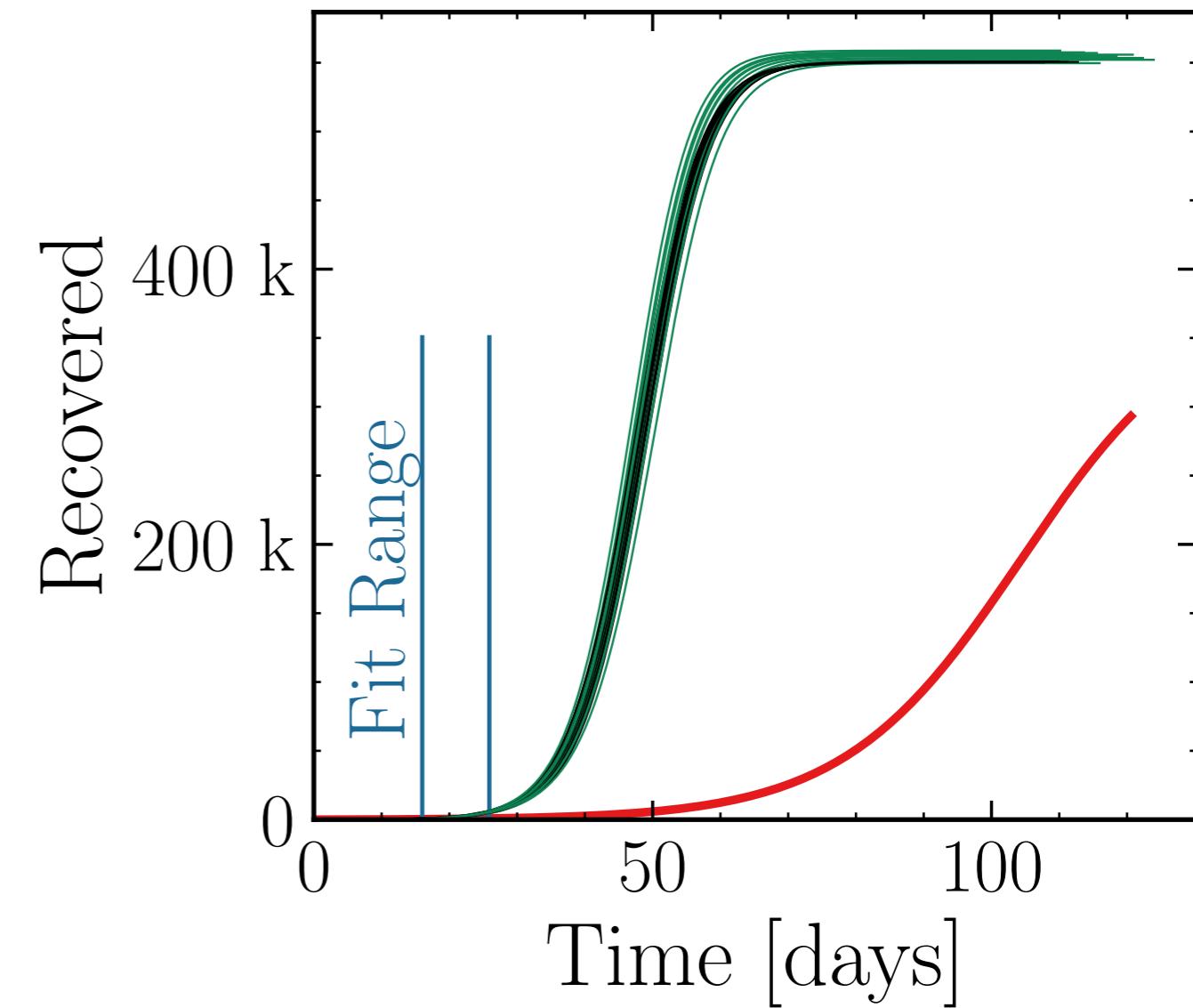
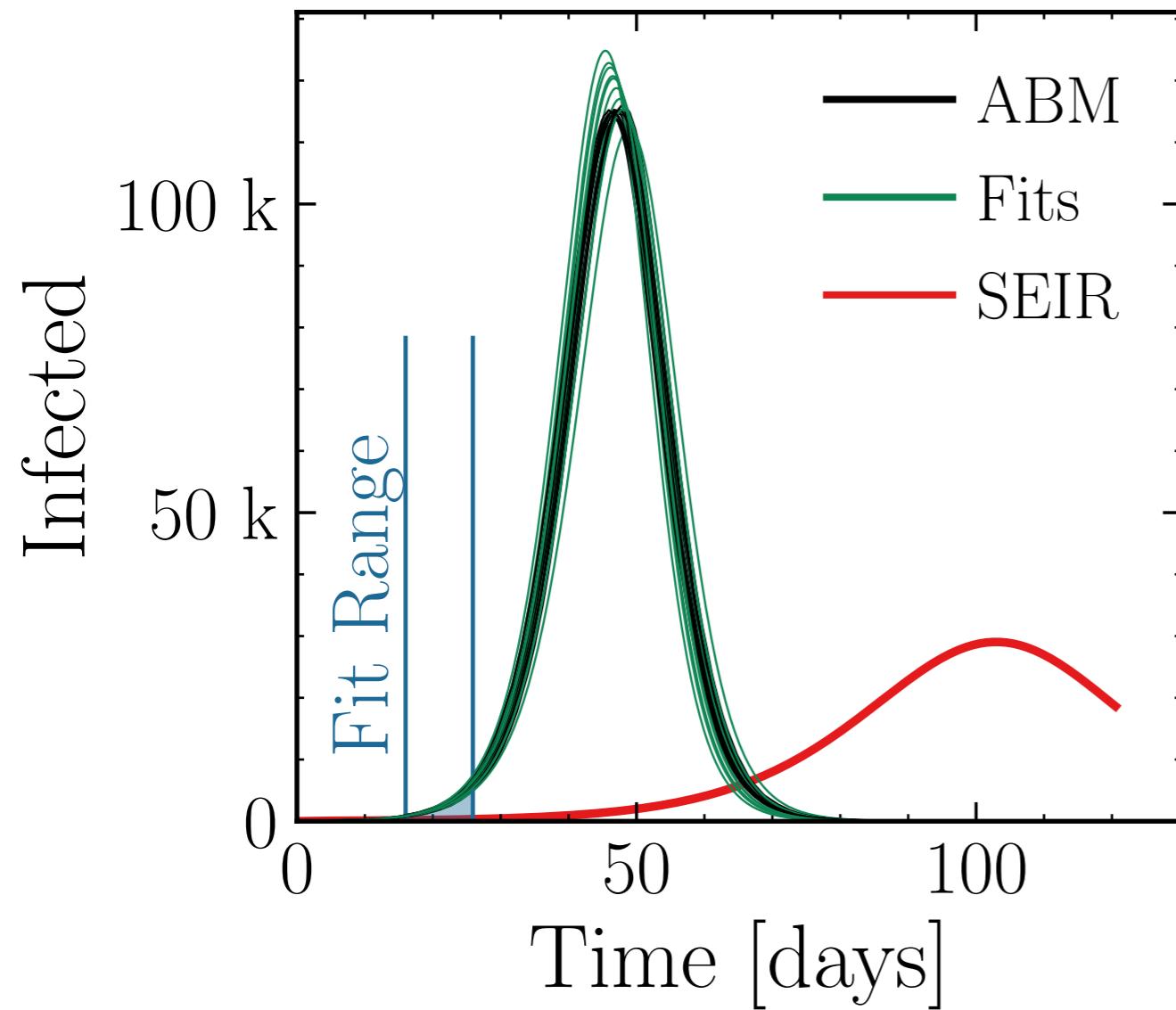
$$I_{\text{max}}^{\text{fit}} = (119 \pm 1.0\%) \cdot 10^3$$

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

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

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

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



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

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

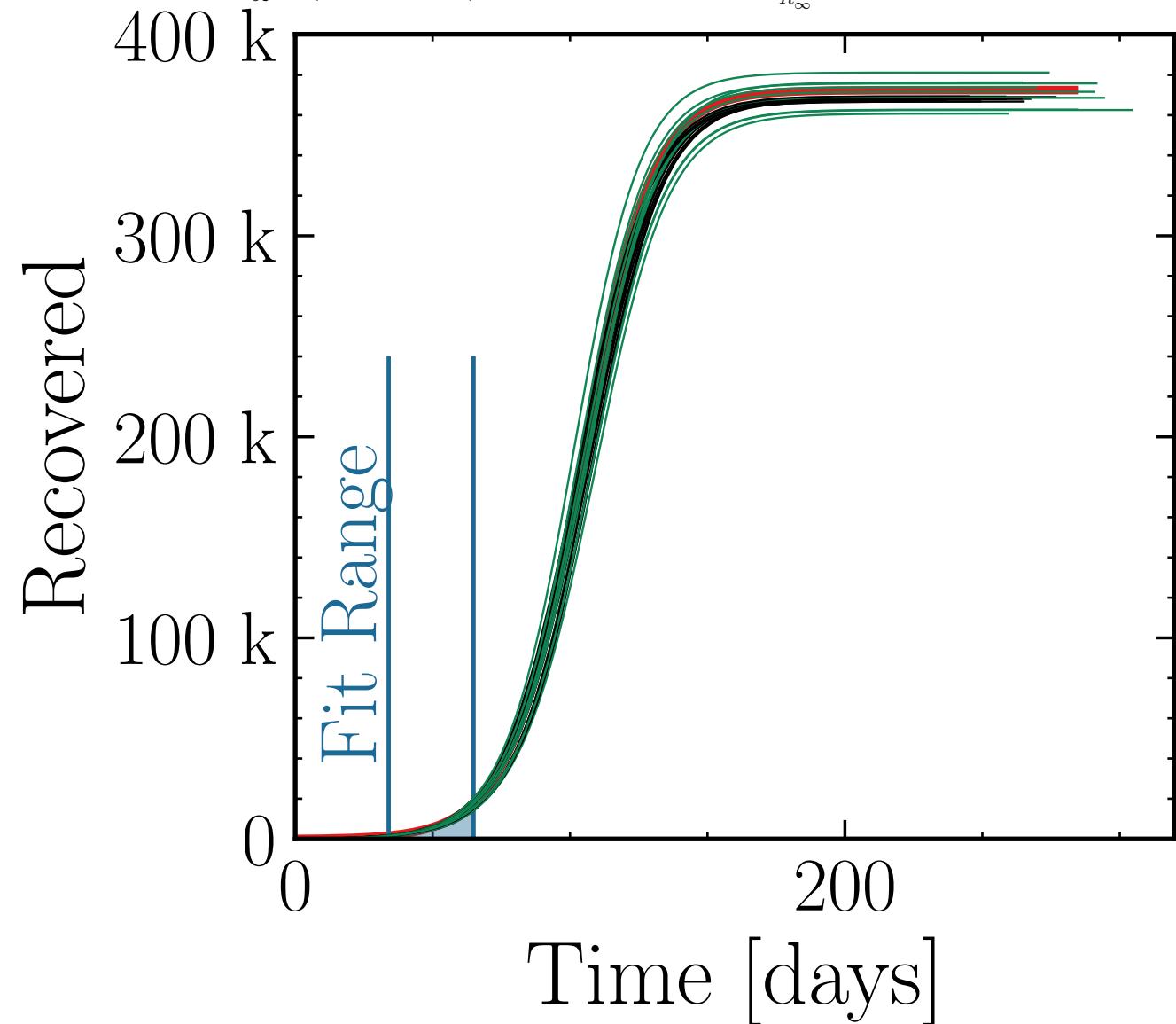
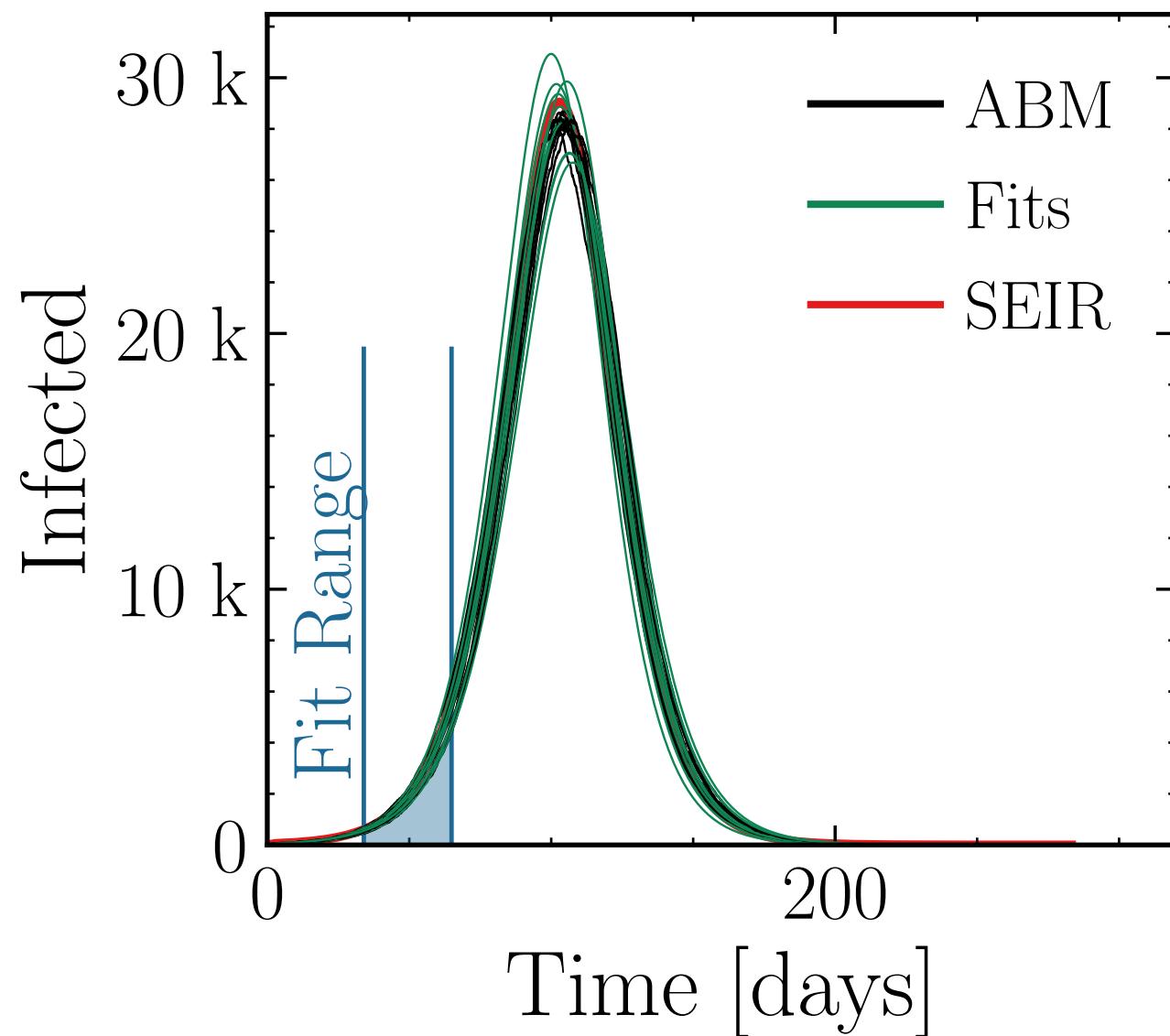
$N_{\text{events}} = 10K$, event_{size_{max}} = 10, event_{size_{mean}} = 50.0, event _{β scaling} = 10.0, event_{weekendmultiplier} = 1.0

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

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

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

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



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

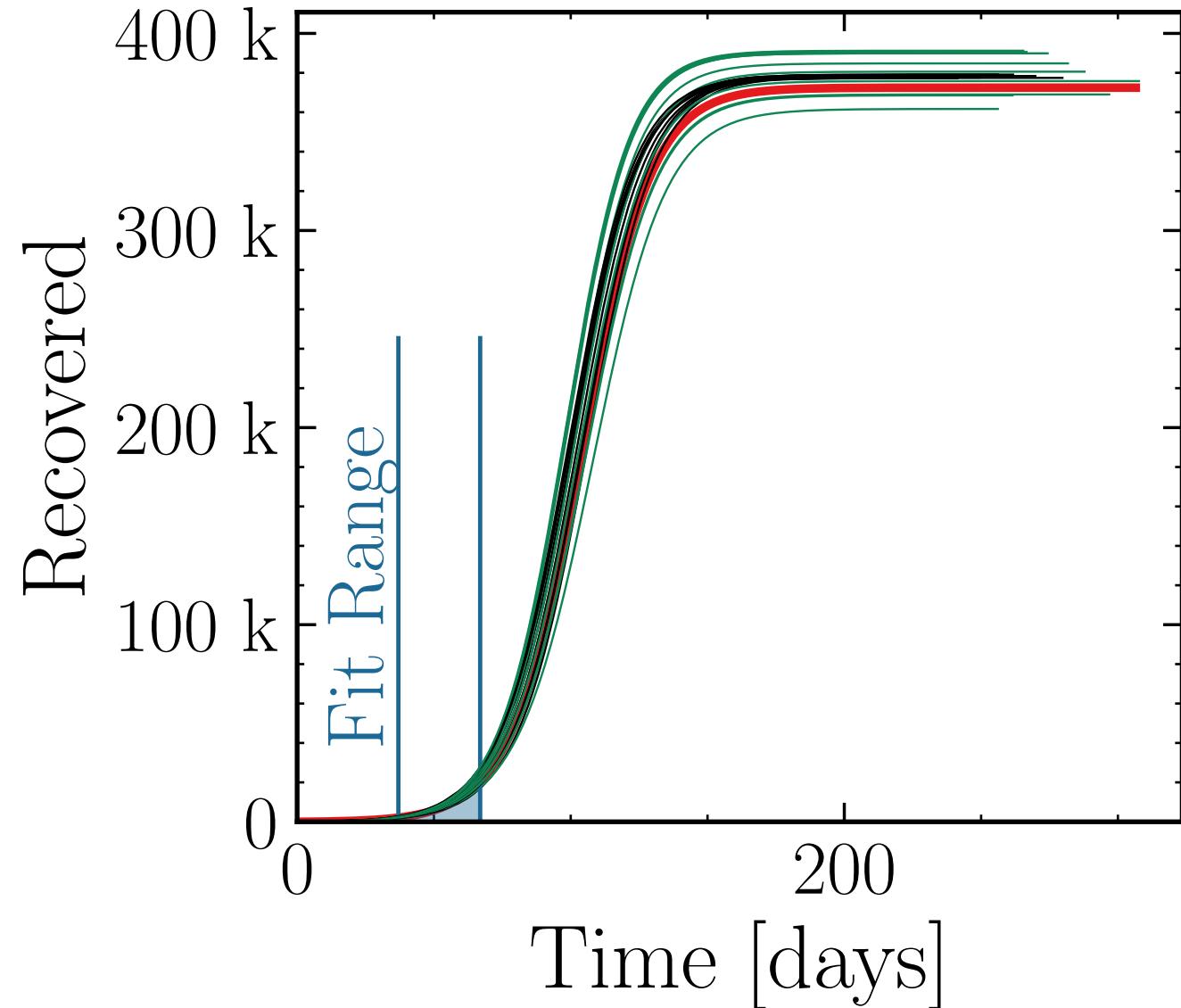
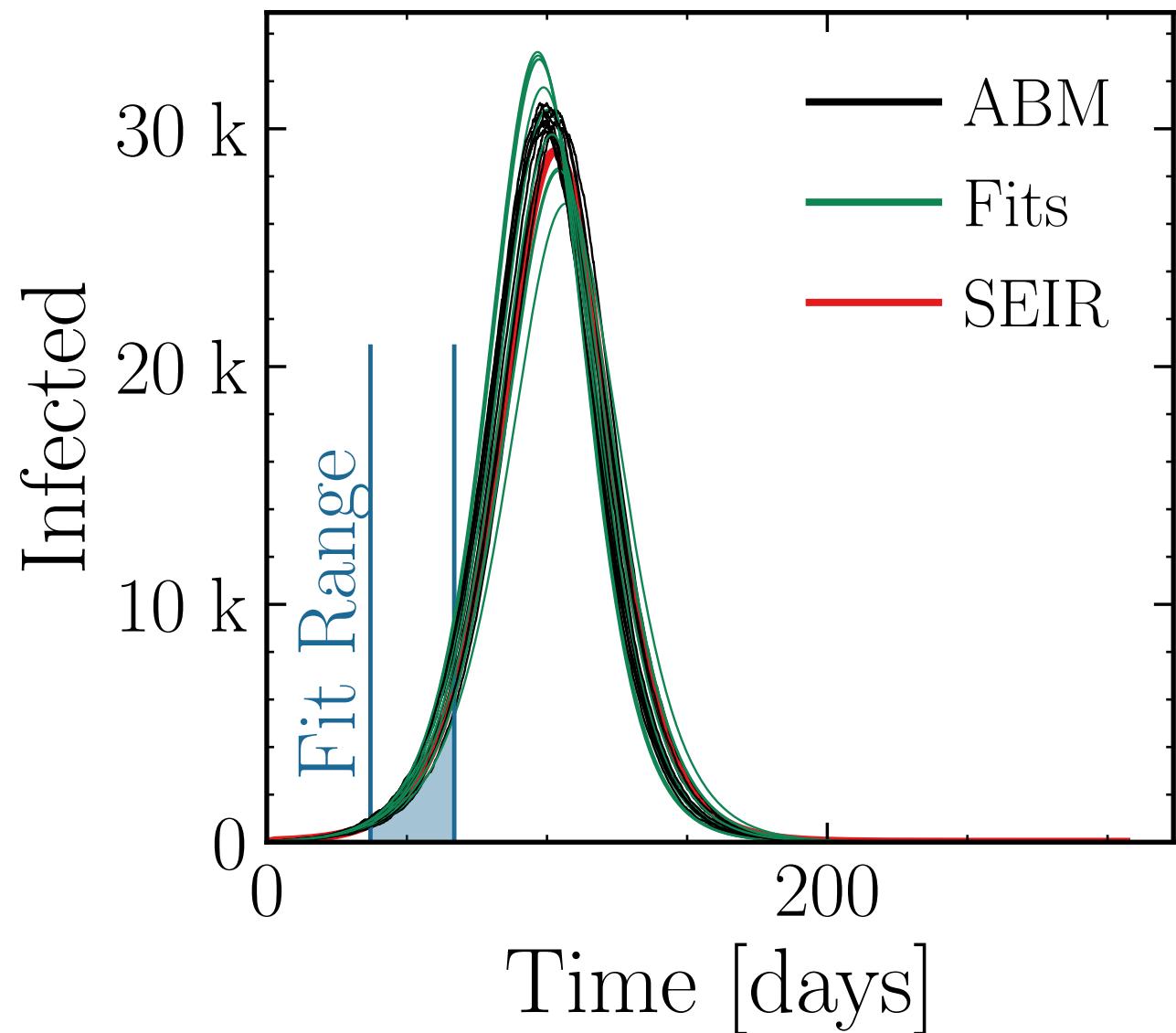
$\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 10K$, event_{size_{max}} = 15, event_{size_{mean}} = 50.0, event _{β scaling} = 10.0, event_{weekendmultiplier} = 1.0

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

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{ABM}}^{\text{max}}} = 1.01 \pm 0.024 \quad v. = 1.0, \text{ hash} = \text{b92f154e4c}\#10 \quad R_{\infty}^{\text{fit}} = (380 \pm 0.86\%) \cdot 10^3$$

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



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

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

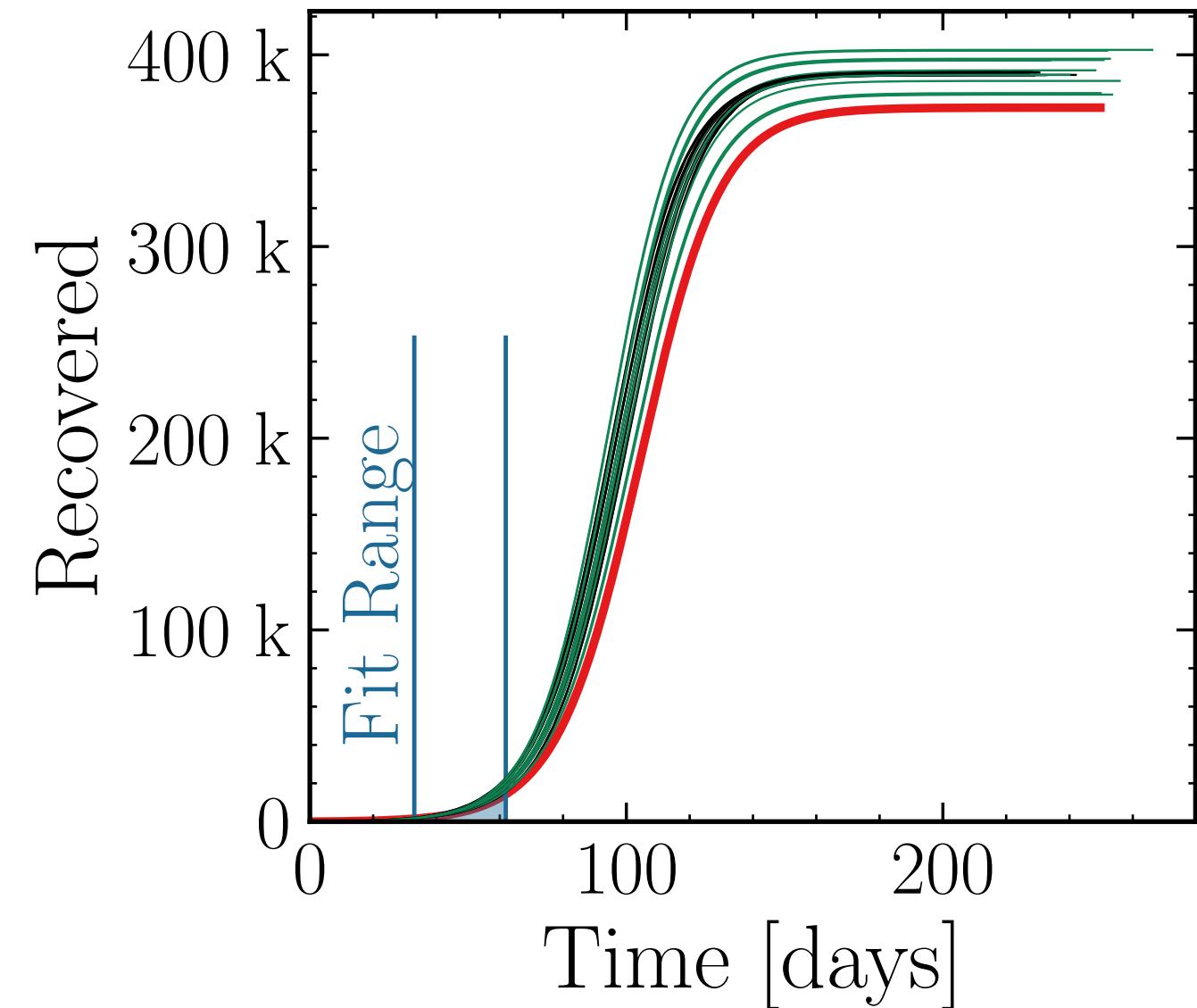
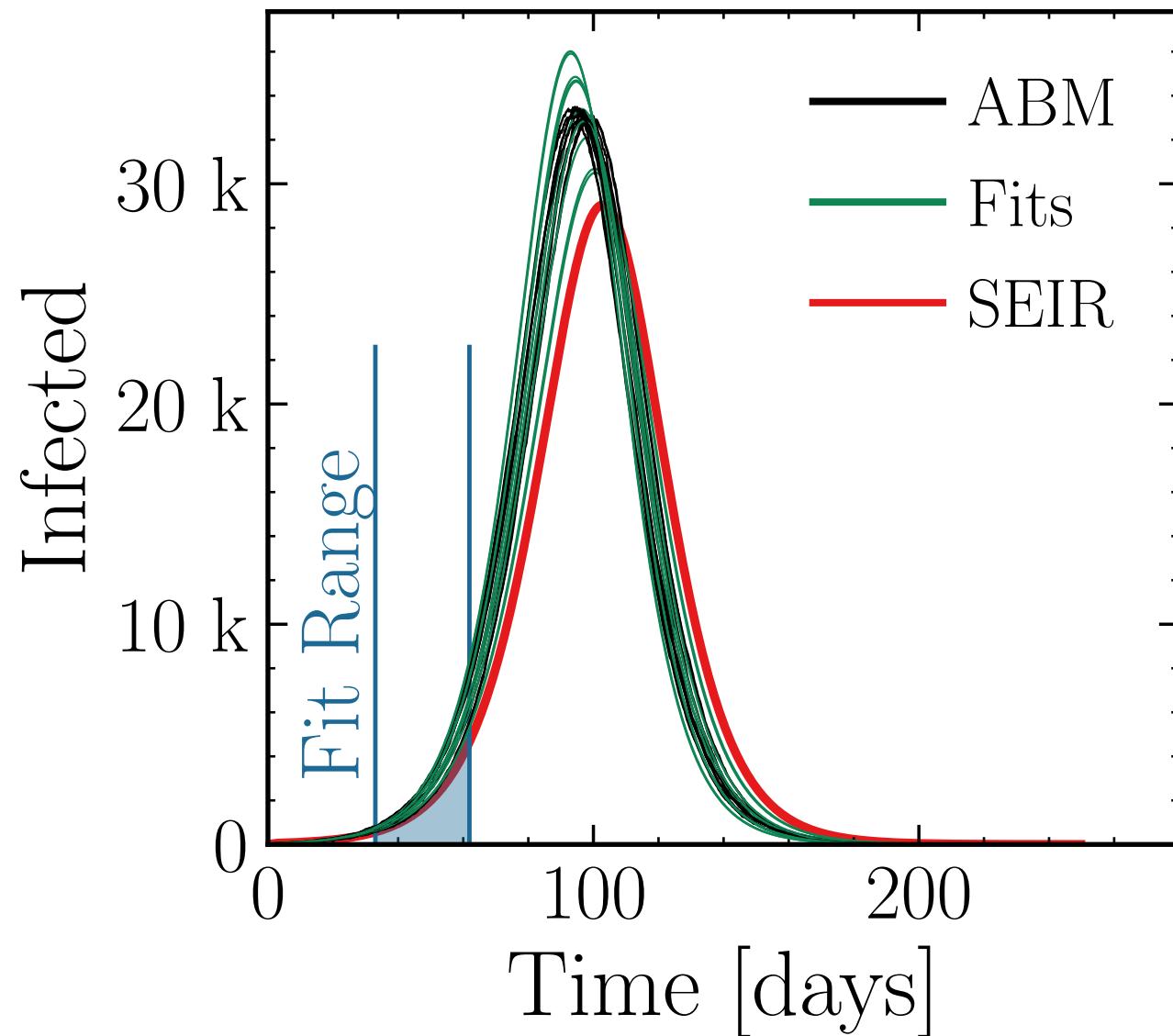
$N_{\text{events}} = 10K$, event_{size_{max}} = 20, event_{size_{mean}} = 50.0, event _{β scaling} = 10.0, event_{weekendmultiplier} = 1.0

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

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1.01 \pm 0.017 \quad v. = 1.0, \text{hash} = \text{ac871cb32b}\#\#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (392 \pm 0.65\%) \cdot 10^3$$

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



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

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

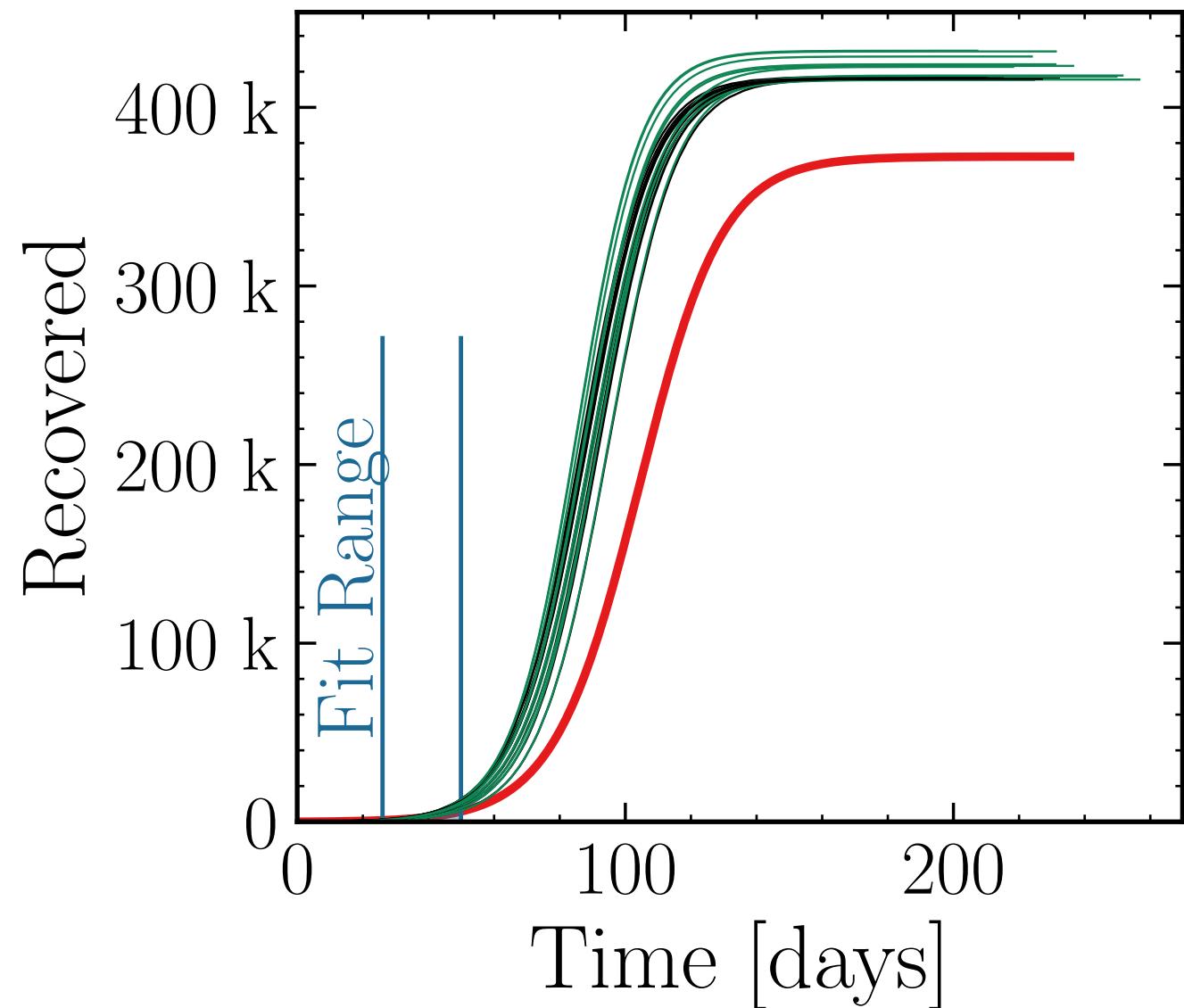
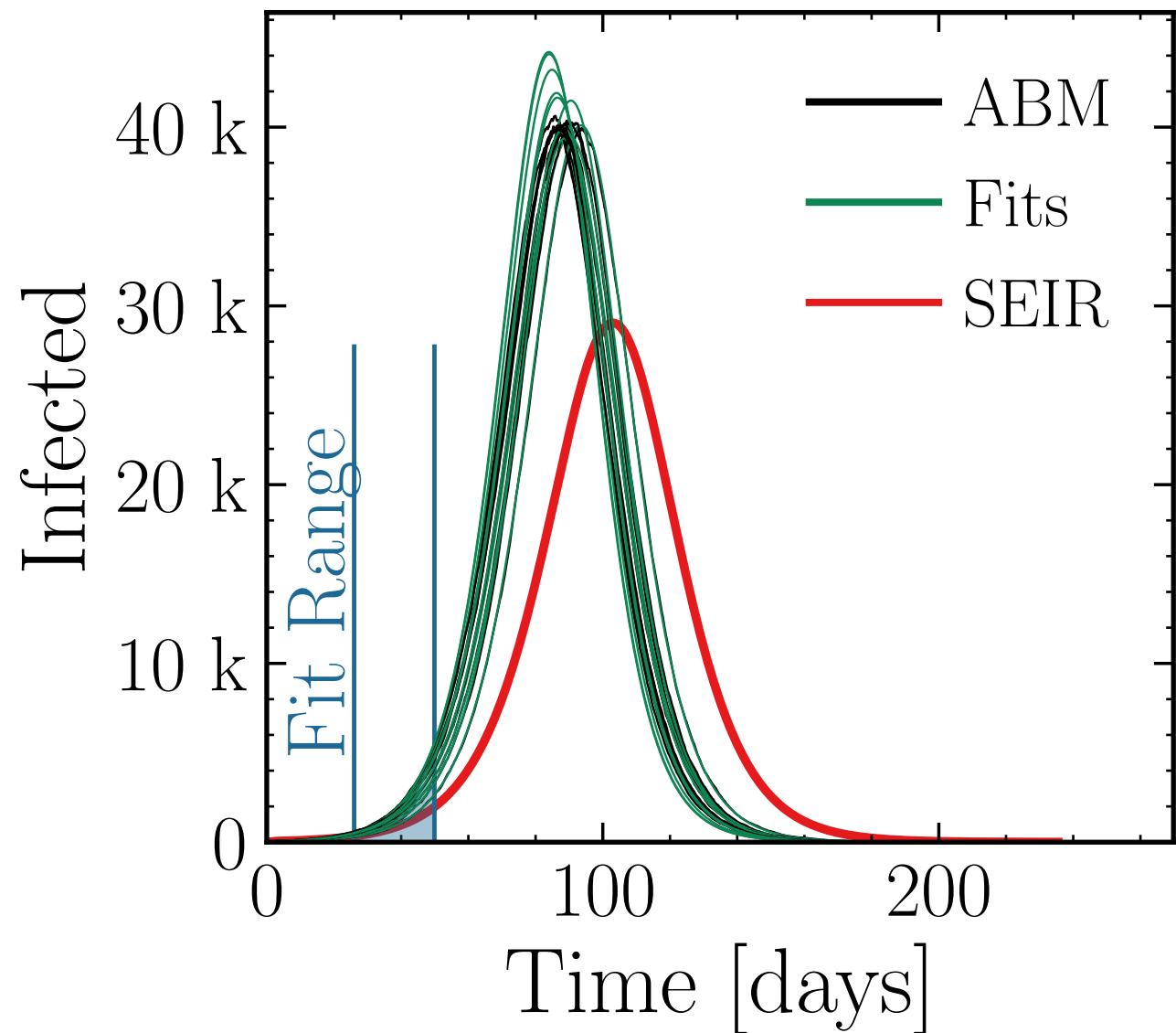
$N_{\text{events}} = 10K$, event_{size_{max}} = 30, event_{size_{mean}} = 50.0, event _{β scaling} = 10.0, event_{weekendmultiplier} = 1.0

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

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

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

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



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

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

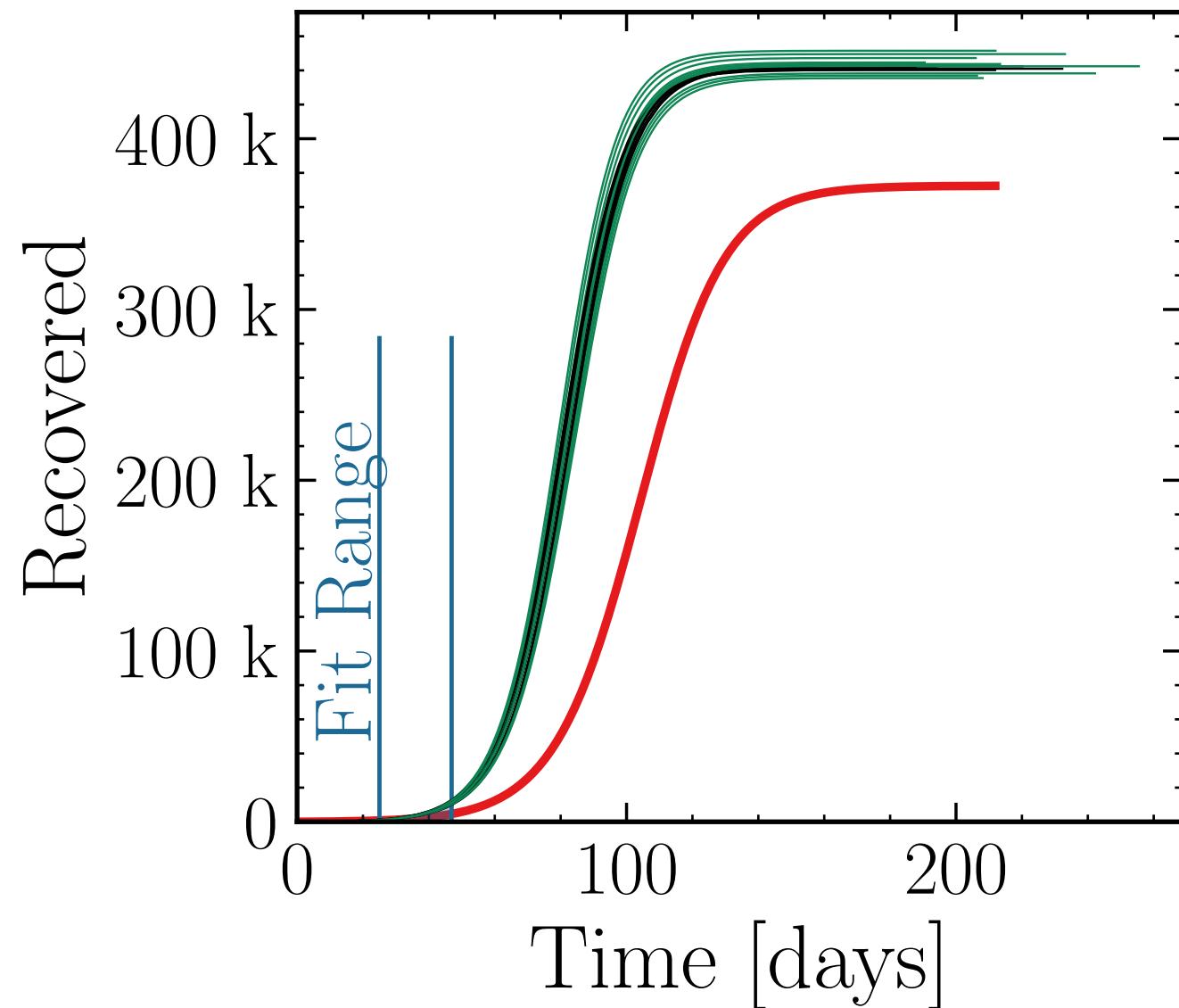
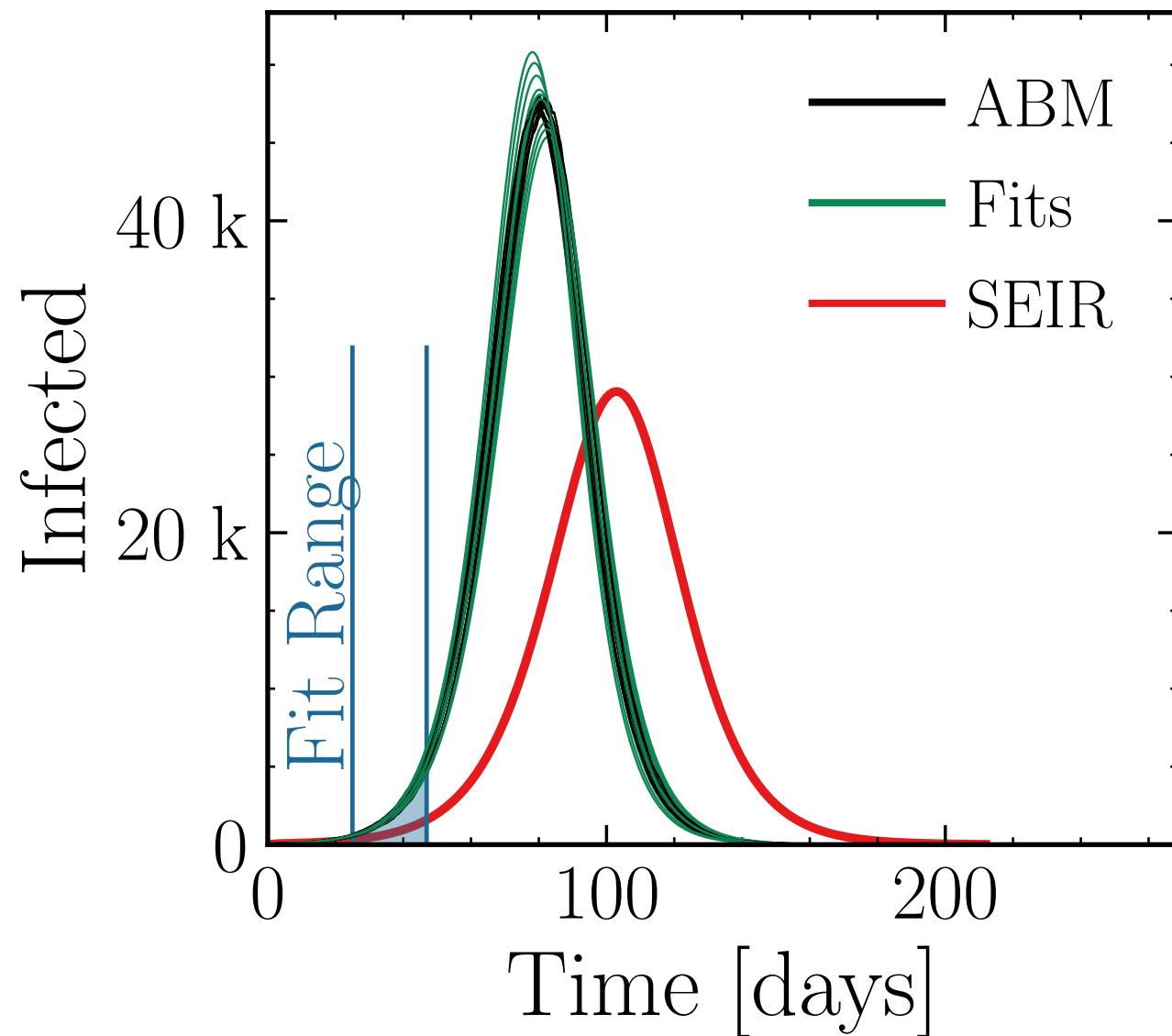
$N_{\text{events}} = 10K$, event_{size_{max}} = 40, event_{size_{mean}} = 50.0, event _{β} scaling = 10.0, event_{weekend_{multiplier}} = 1.0

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

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

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

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



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

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

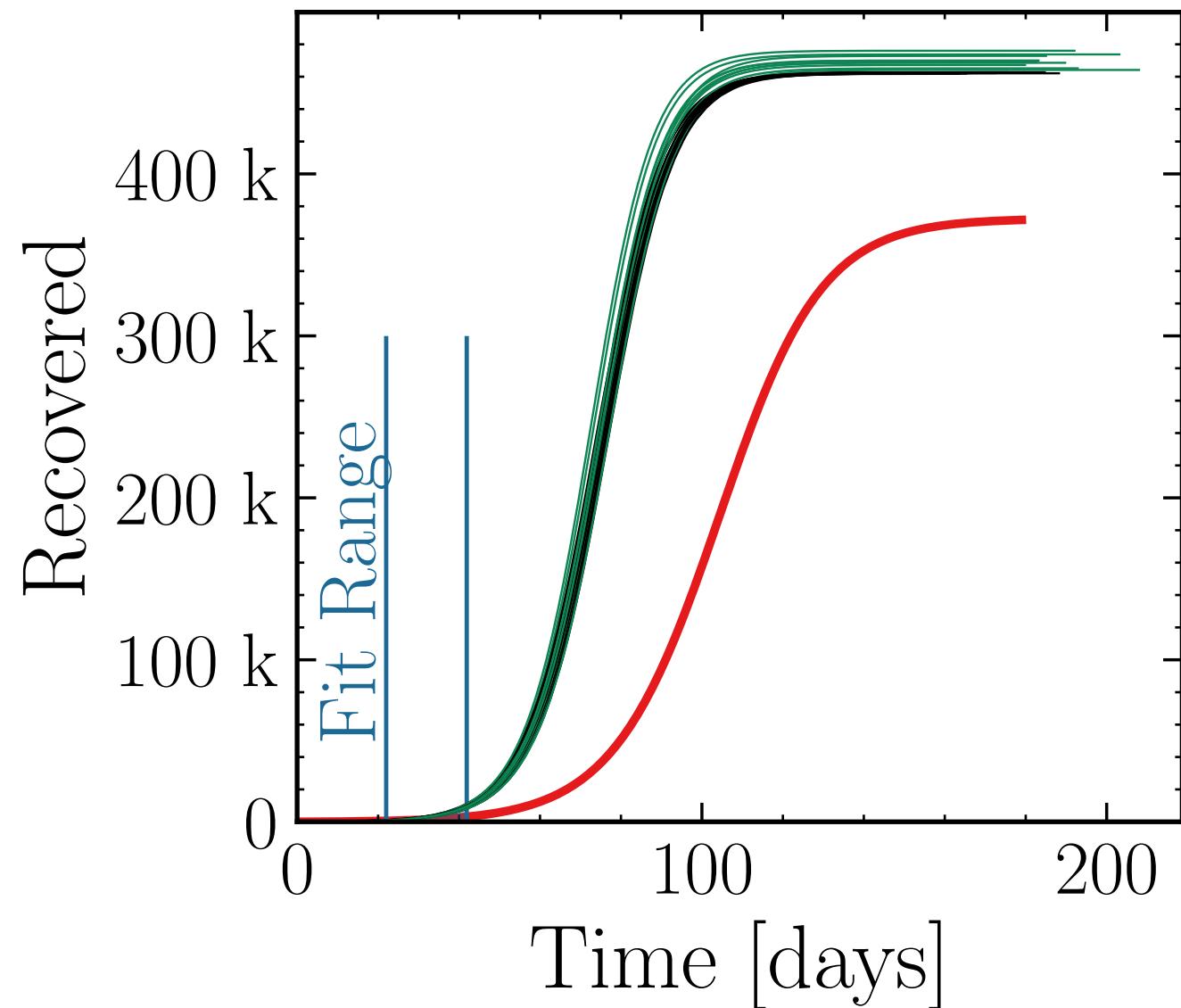
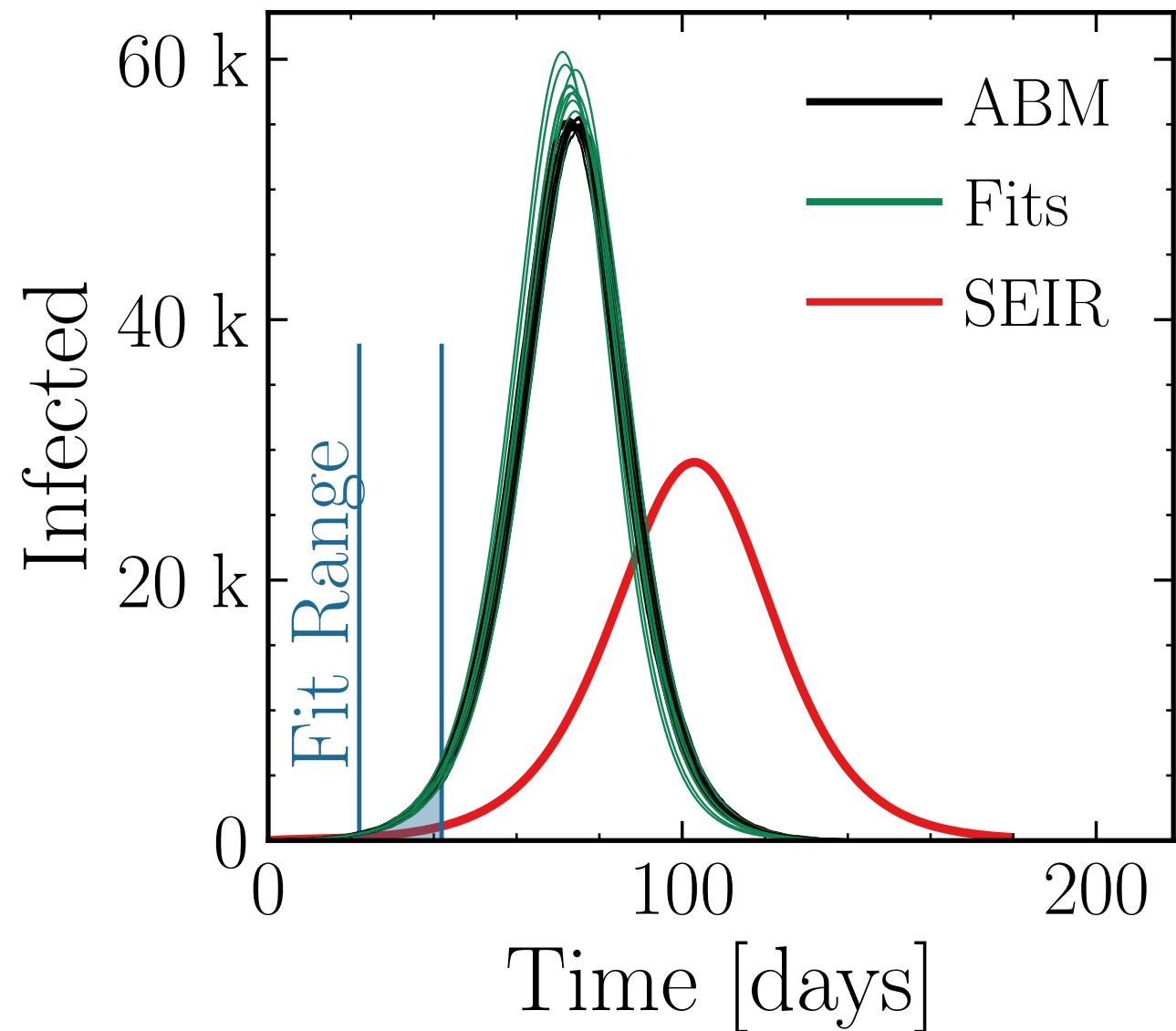
$N_{\text{events}} = 10K$, event_{size_{max}} = 50, event_{size_{mean}} = 50.0, event _{β} scaling = 10.0, event_{weekendmultiplier} = 1.0

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

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{ABM}}^{\text{fit}}} = 1.049 \pm 0.0080 \quad v. = 1.0, \text{hash} = \text{e4a8c474b8}, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (470 \pm 0.25\%) \cdot 10^3$$

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



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

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

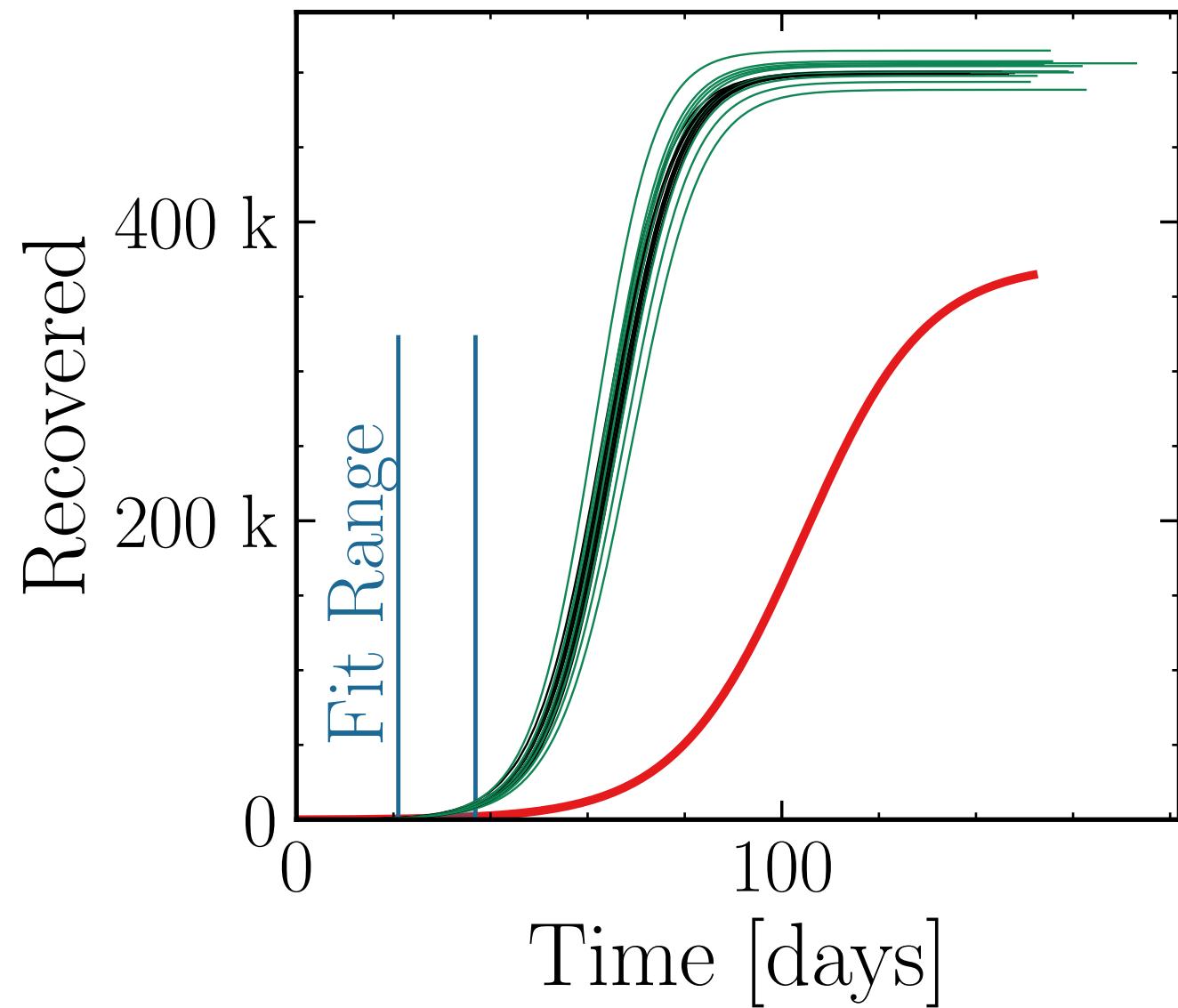
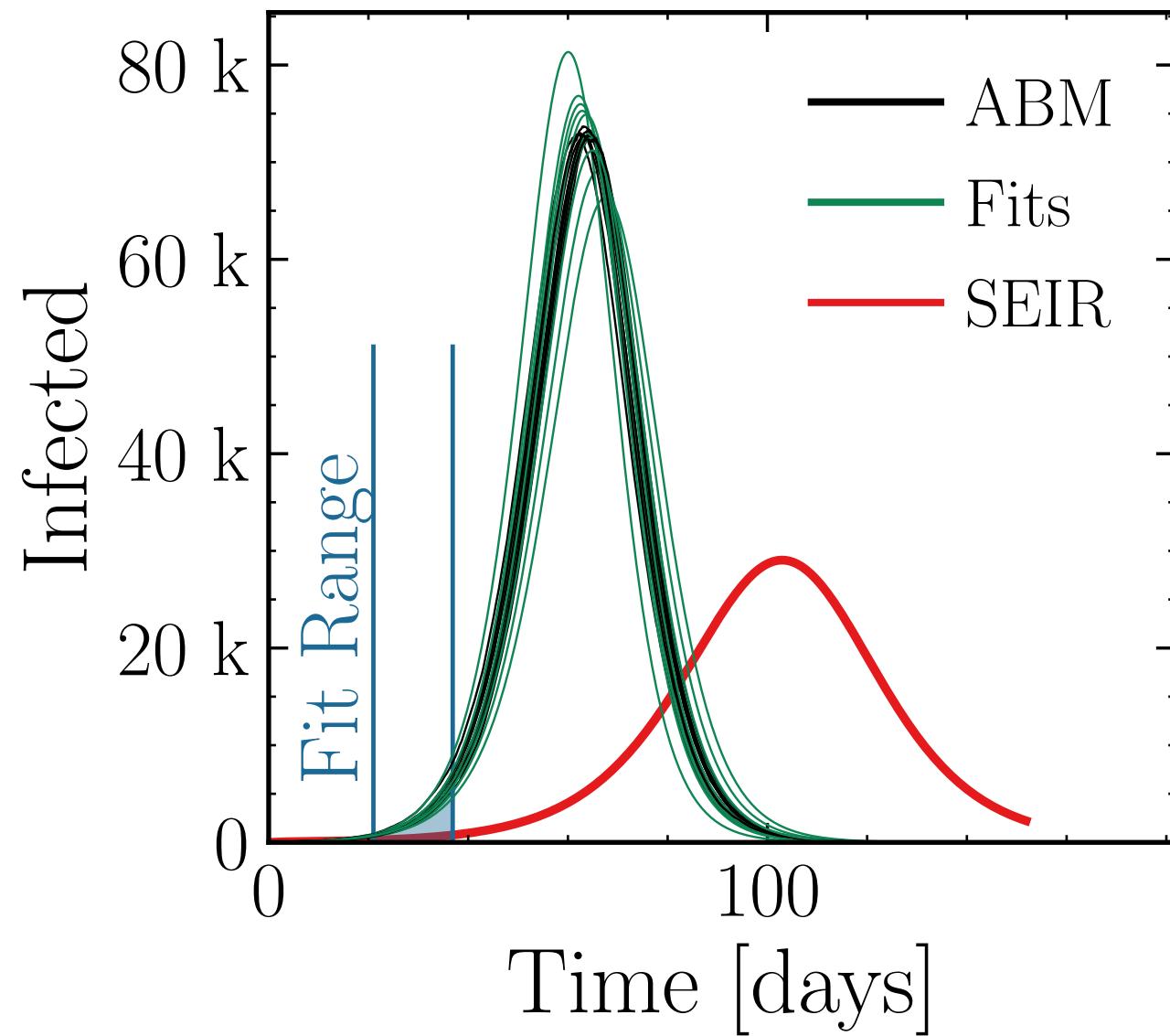
$N_{\text{events}} = 10K$, event_{size_{max}} = 75, event_{size_{mean}} = 50.0, event _{β scaling} = 10.0, event_{weekendmultiplier} = 1.0

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

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

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

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



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

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

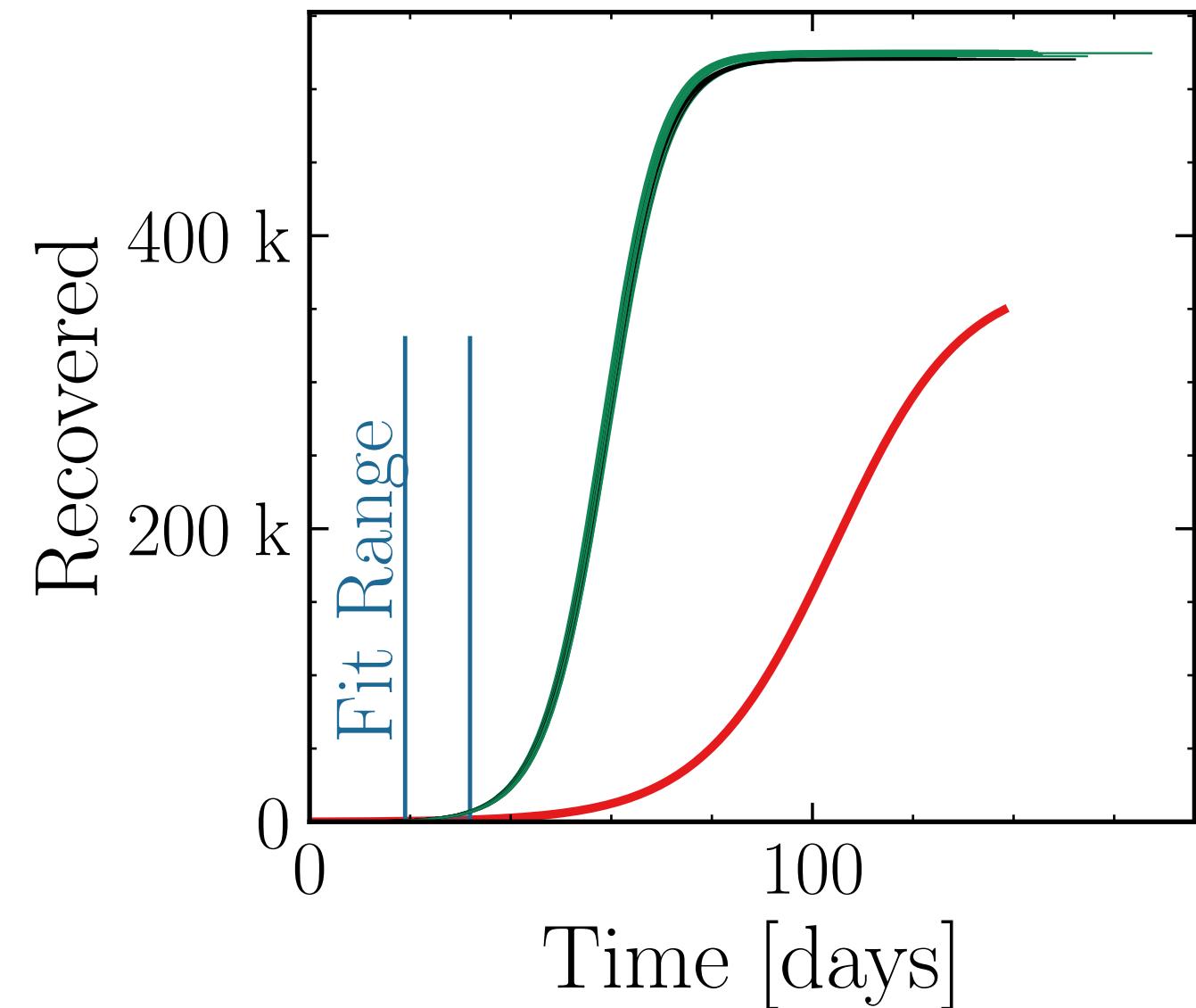
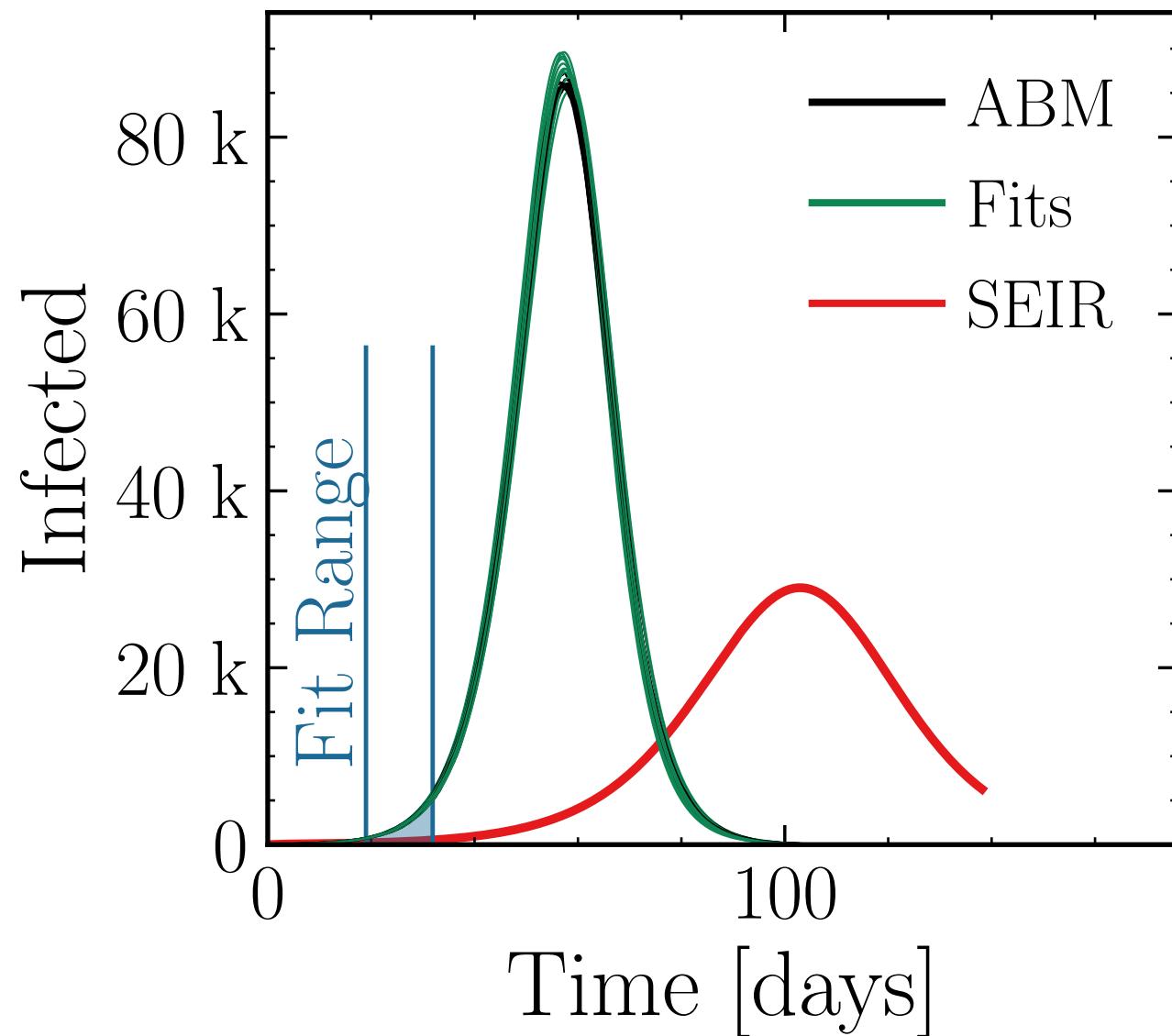
$N_{\text{events}} = 10K$, event_{size_{max}} = 100, event_{size_{mean}} = 50.0, event _{β scaling} = 10.0, event_{weekendmultiplier} = 1.0

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

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

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

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



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

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

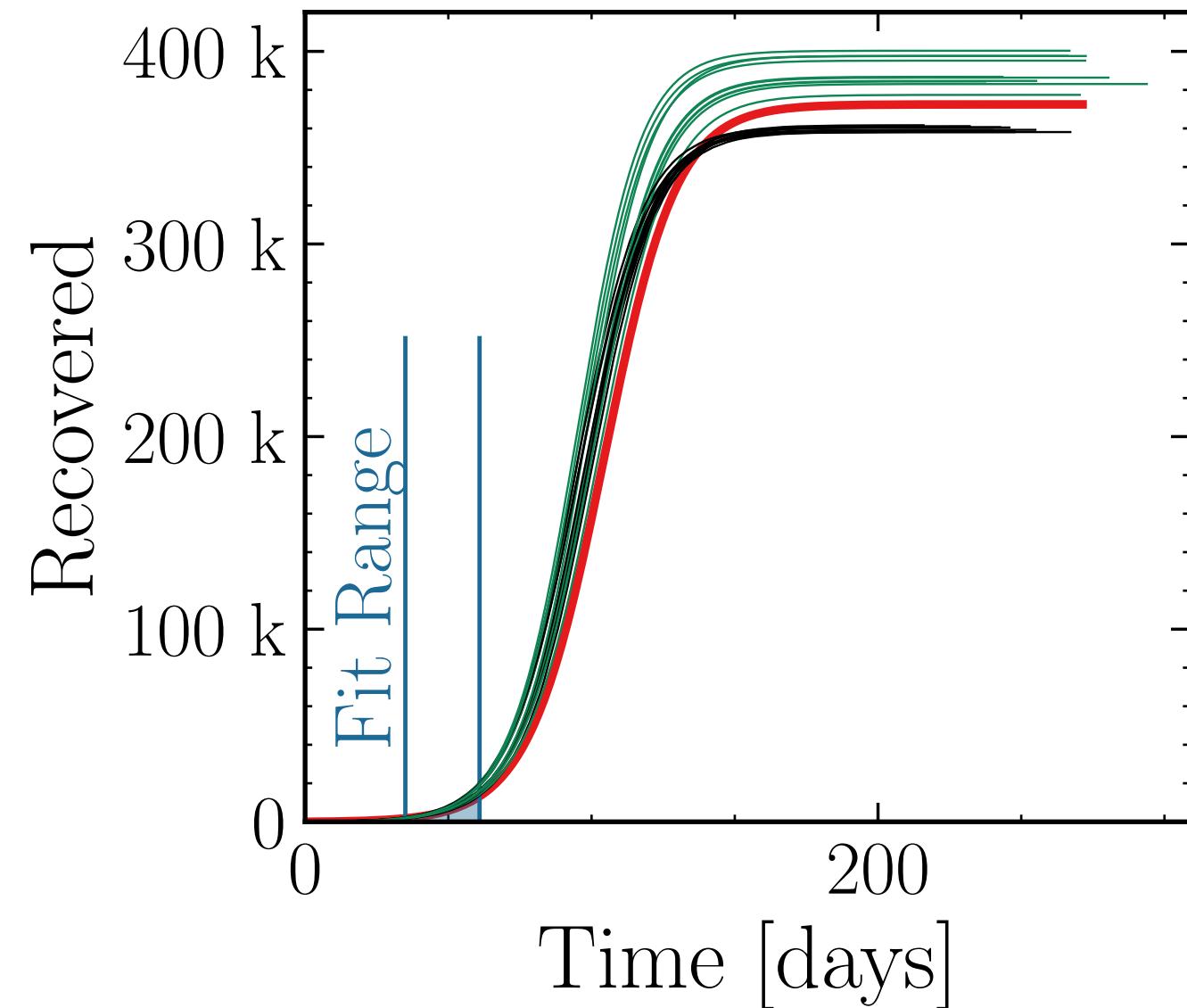
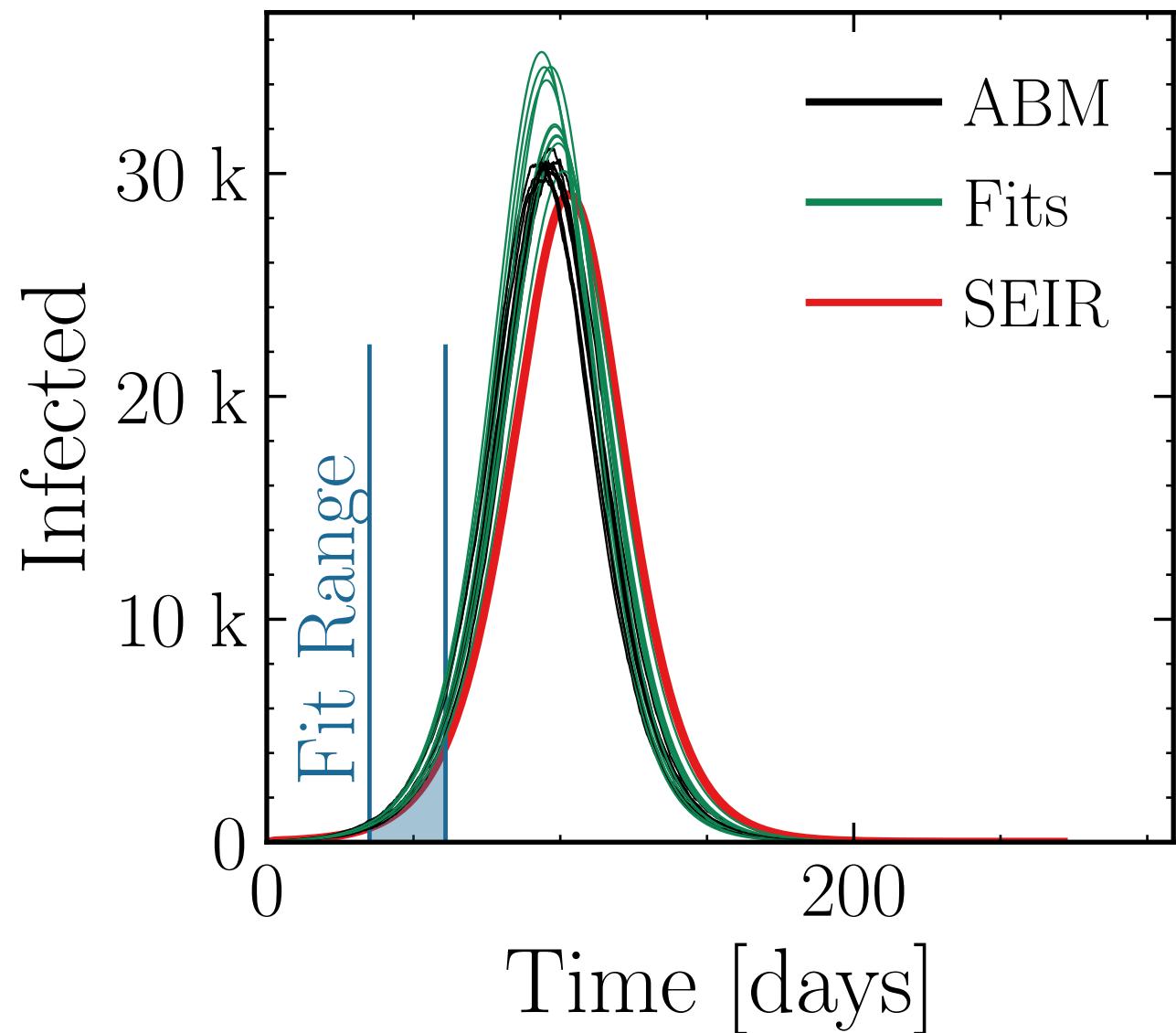
$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

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

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

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

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



$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, 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_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

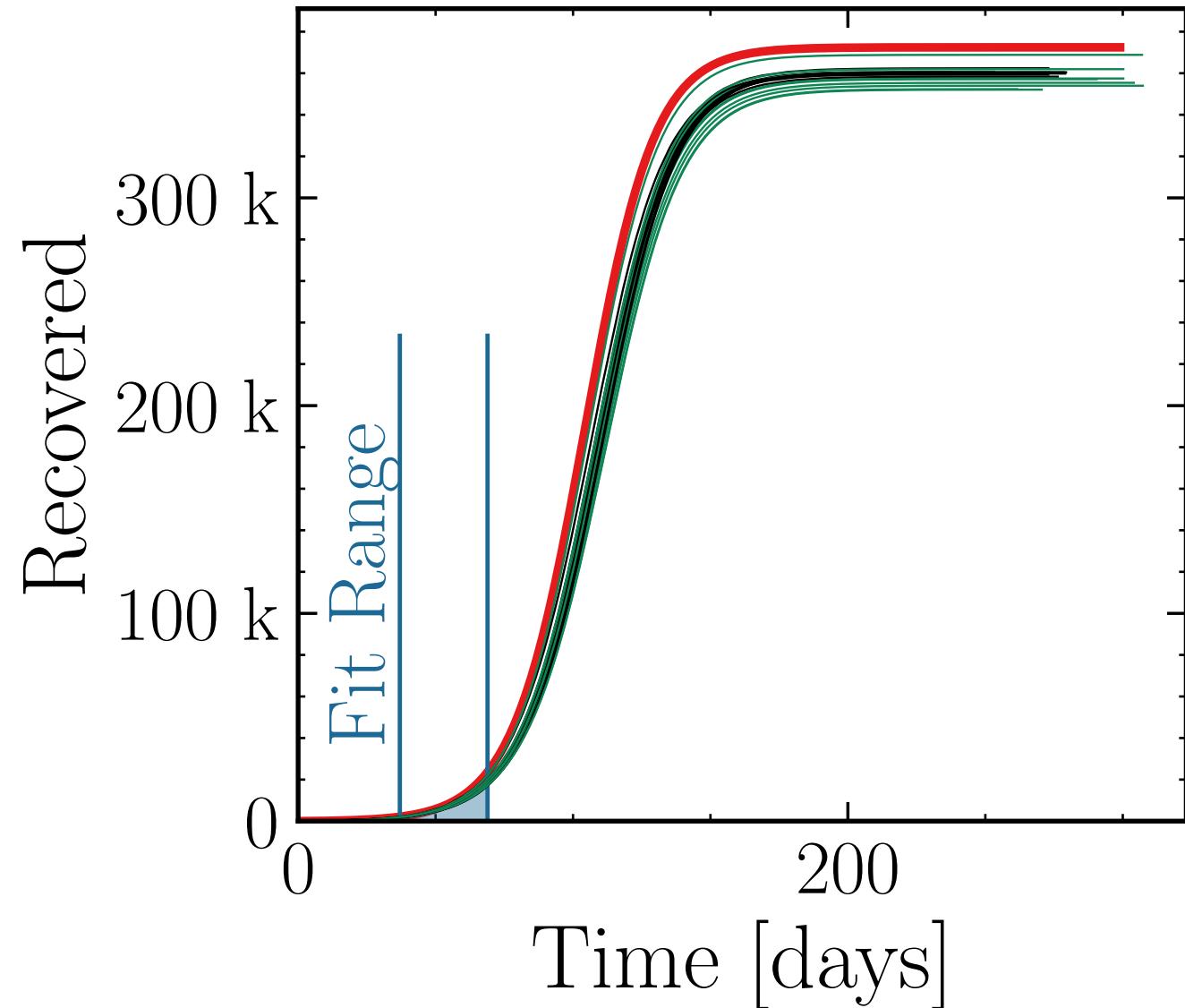
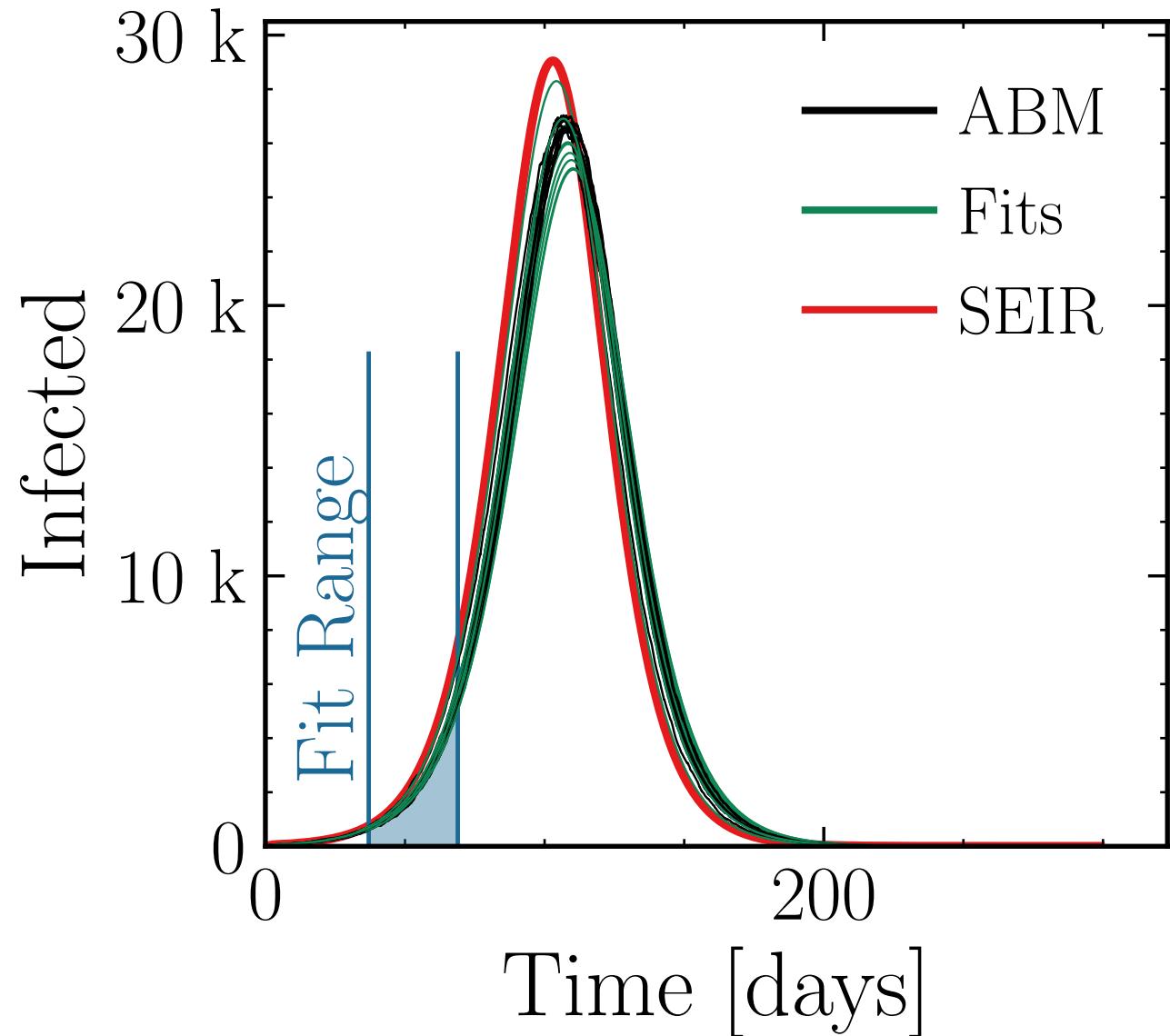
$I_{\text{max}}^{\text{fit}} = (26.2 \pm 1.1\%) \cdot 10^3$

$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{ABM}}^{\text{max}}} = 0.98 \pm 0.01$

v. = 1.0, hash = ca86b7df51, #10

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

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



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

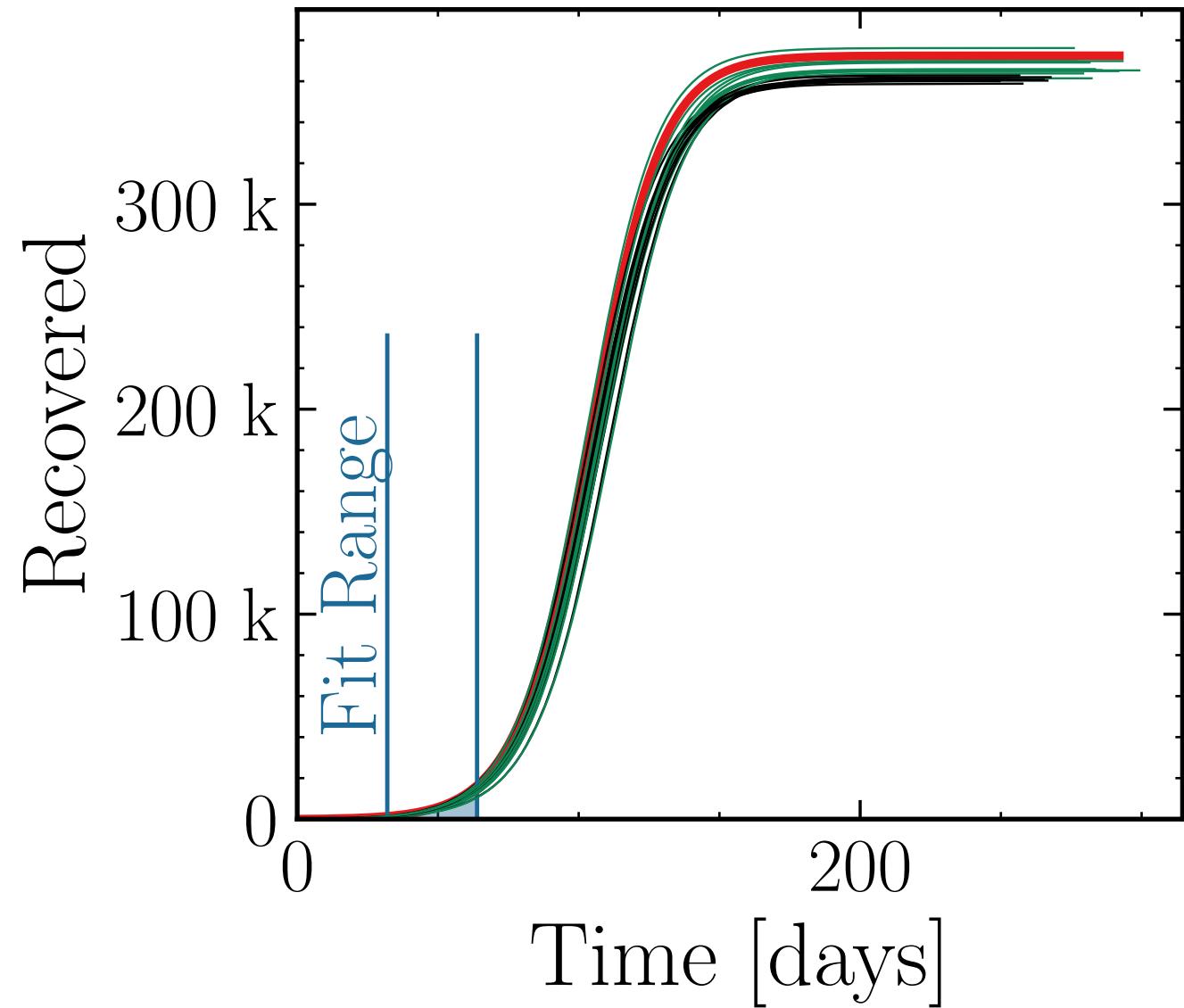
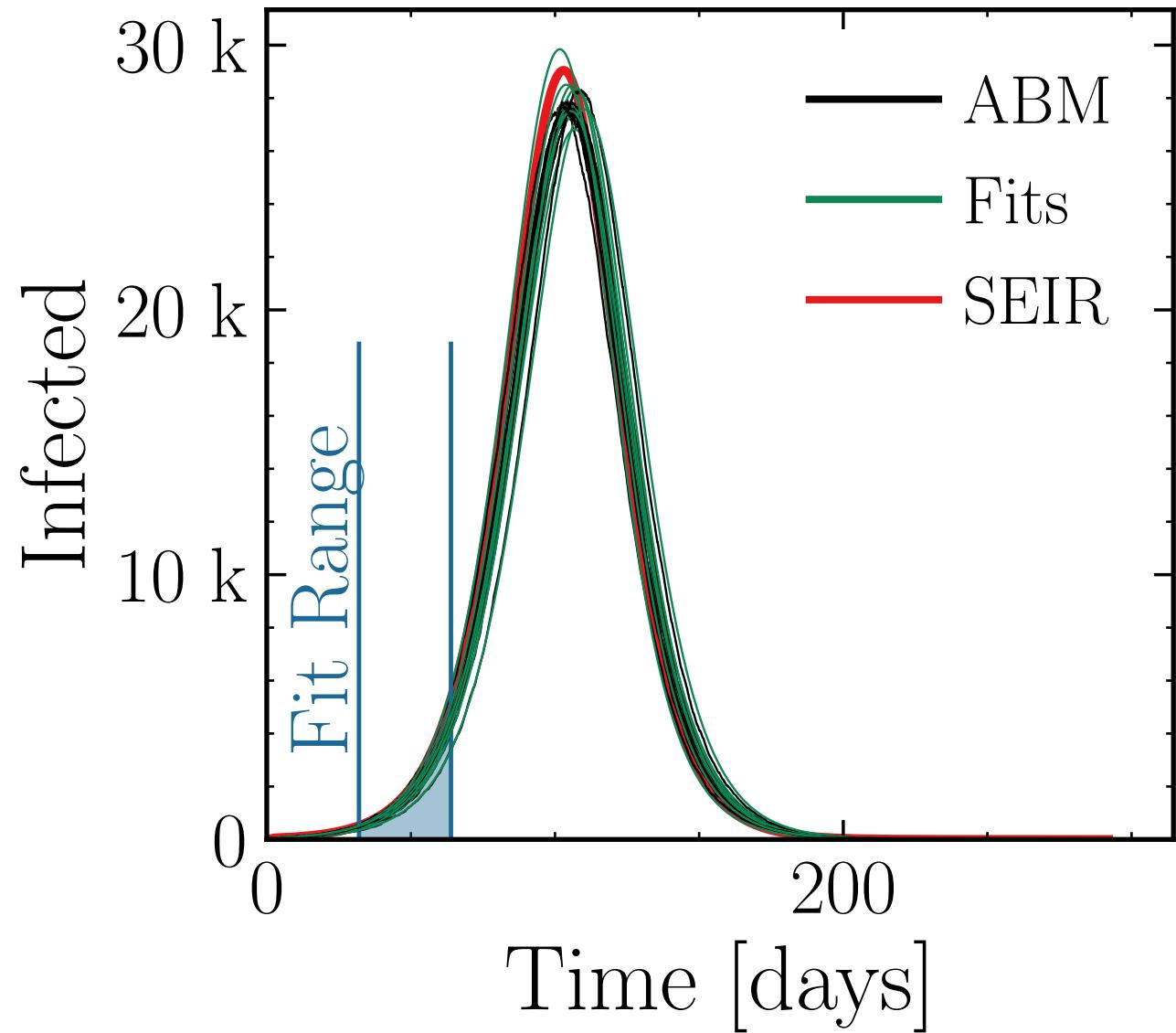
$\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

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

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

$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (367 \pm 0.35\%) \cdot 10^3$ $\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{fit}}} = 1.018 \pm 0.0039$



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

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

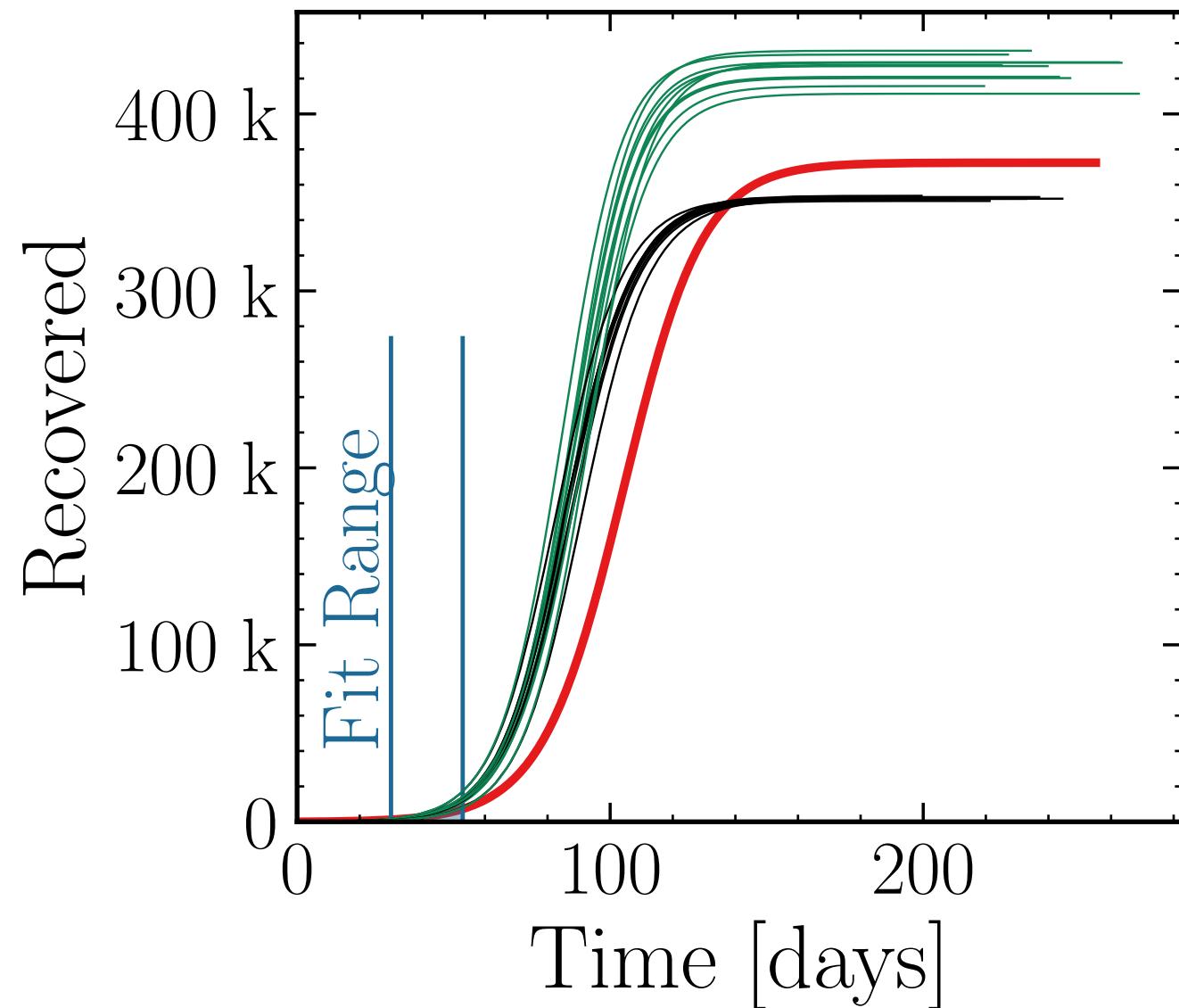
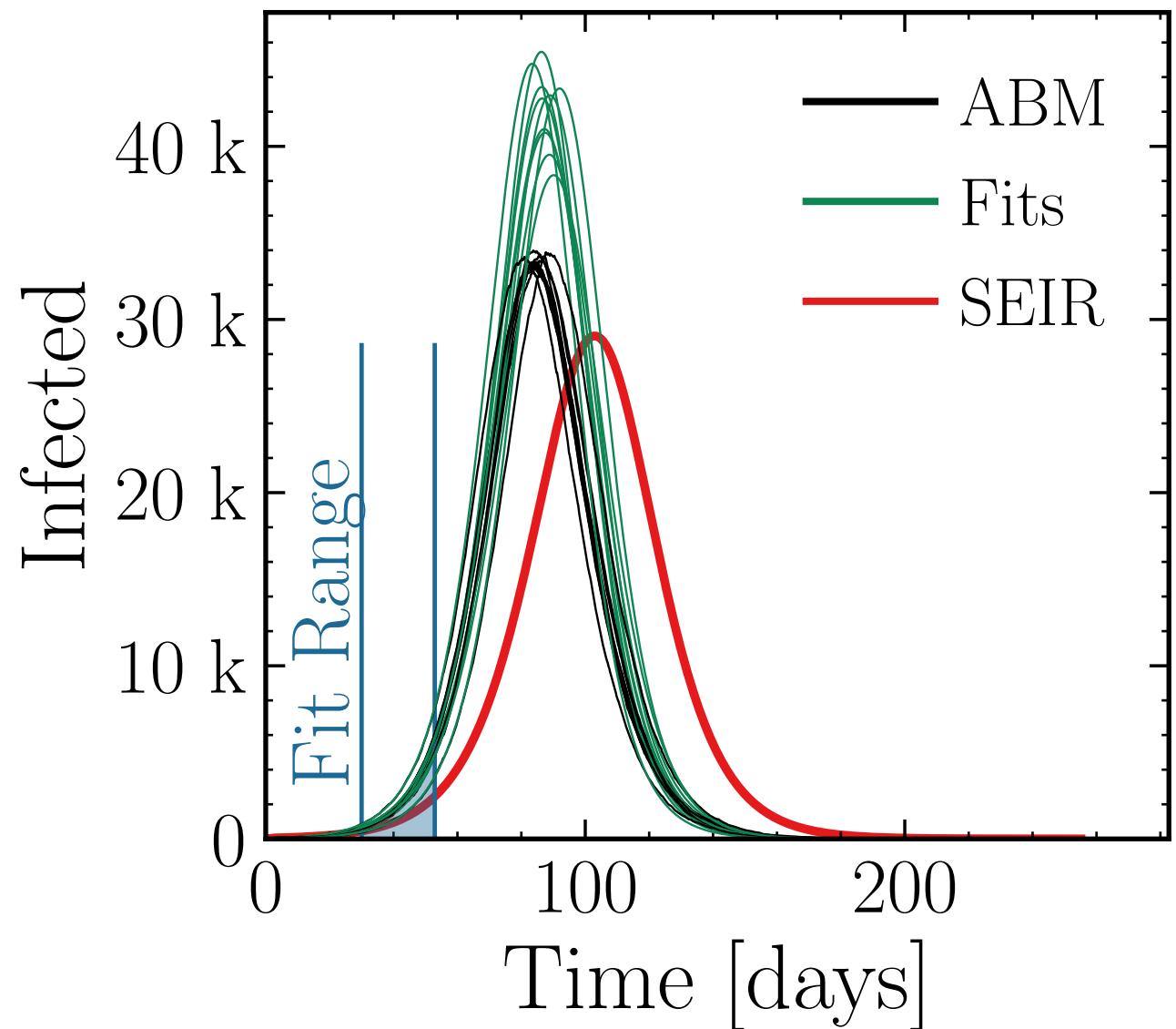
$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

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

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

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

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



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

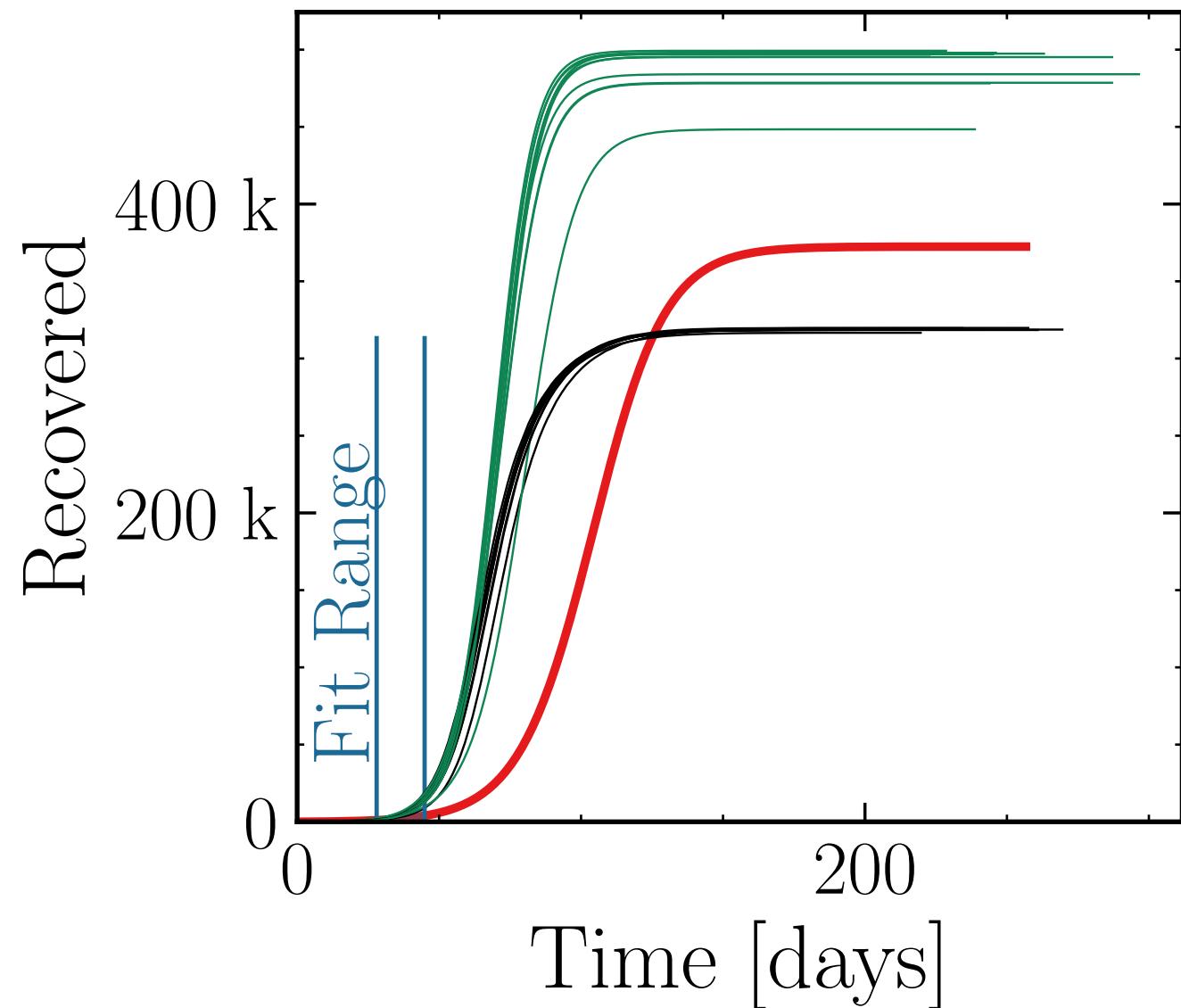
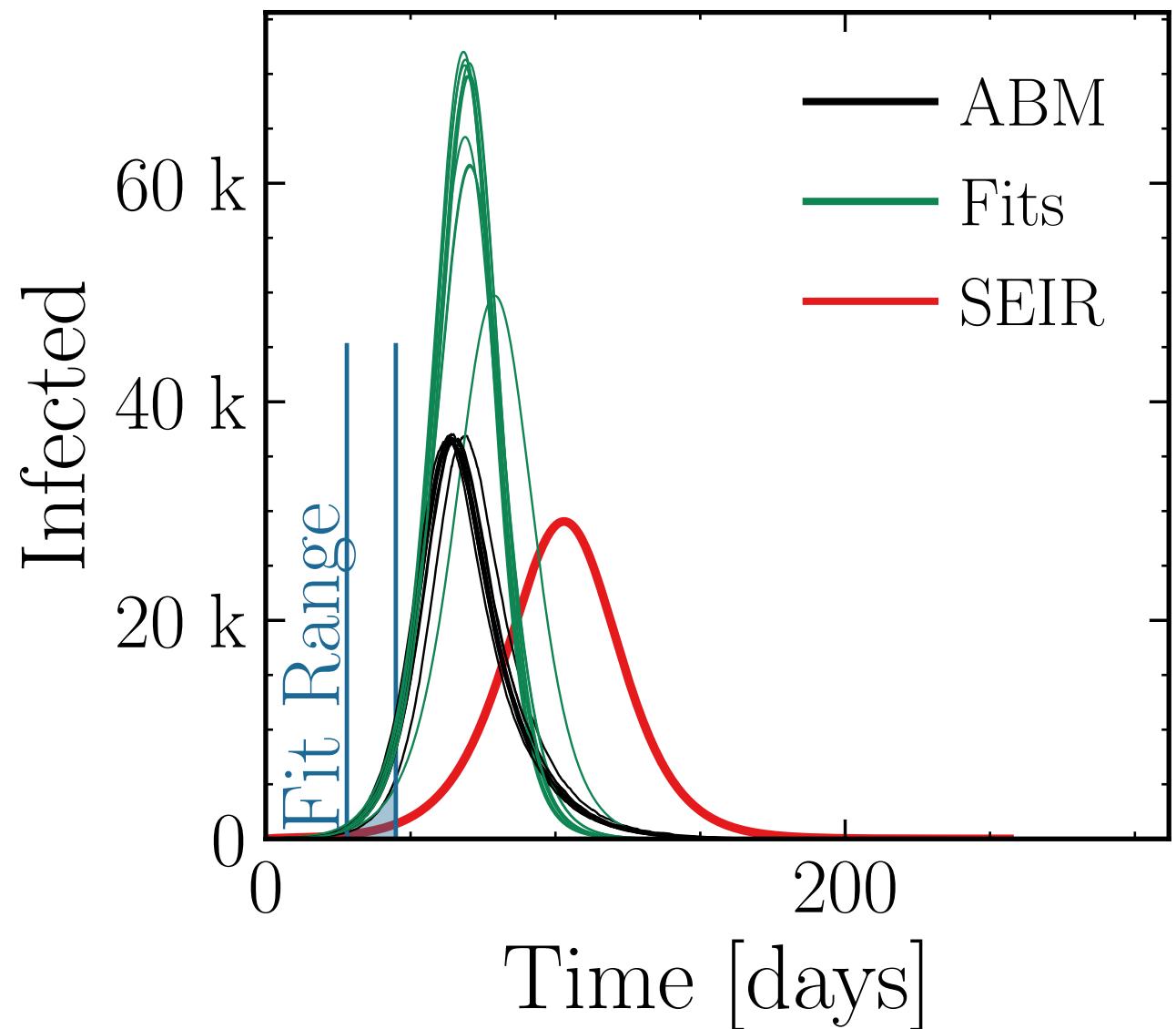
$\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

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

$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1.81 \pm 0.059$ v. = 1.0, hash = ebca1f08d0, #10
 $R_{\infty}^{\text{fit}} = (487 \pm 0.98\%) \cdot 10^3$

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



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

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

$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β scaling} = 10.0, event_{weekendmultiplier} = 1.0

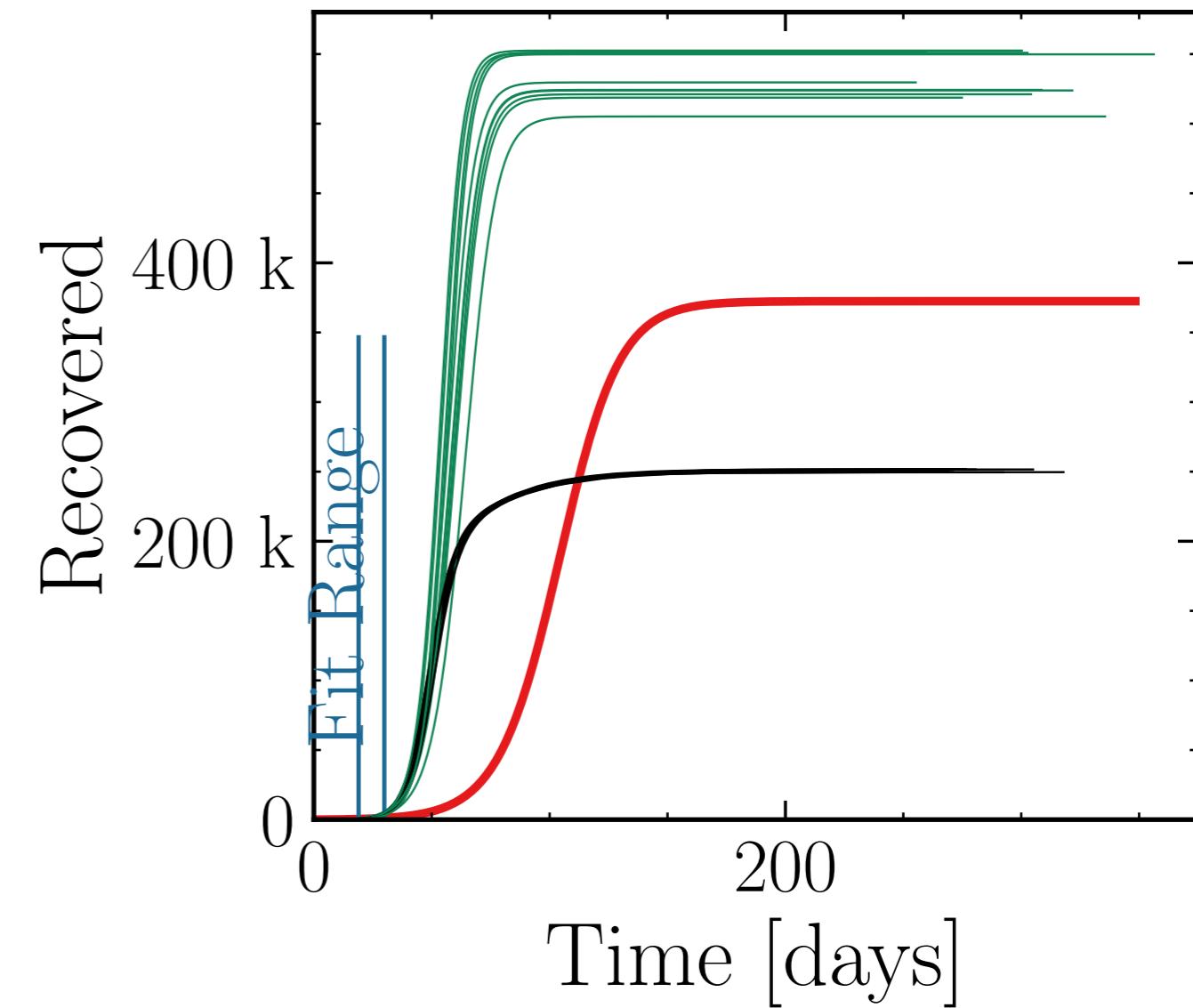
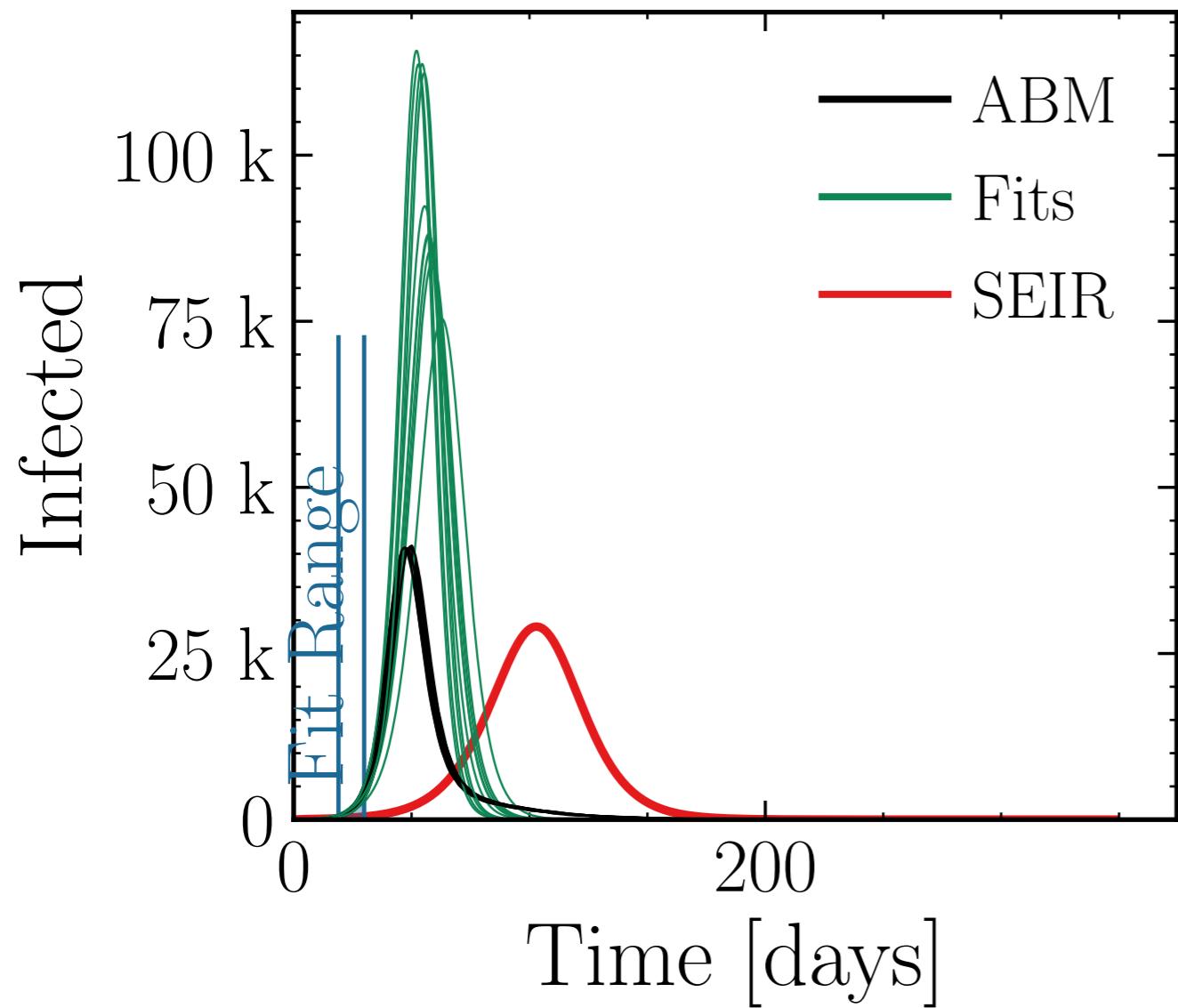
$$I_{\text{max}}^{\text{fit}} = (97 \pm 4.7\%) \cdot 10^3$$

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

$$\text{v.} = 1.0, \text{hash} = 6d0fbcf937, \#10$$

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

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



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

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

$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

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

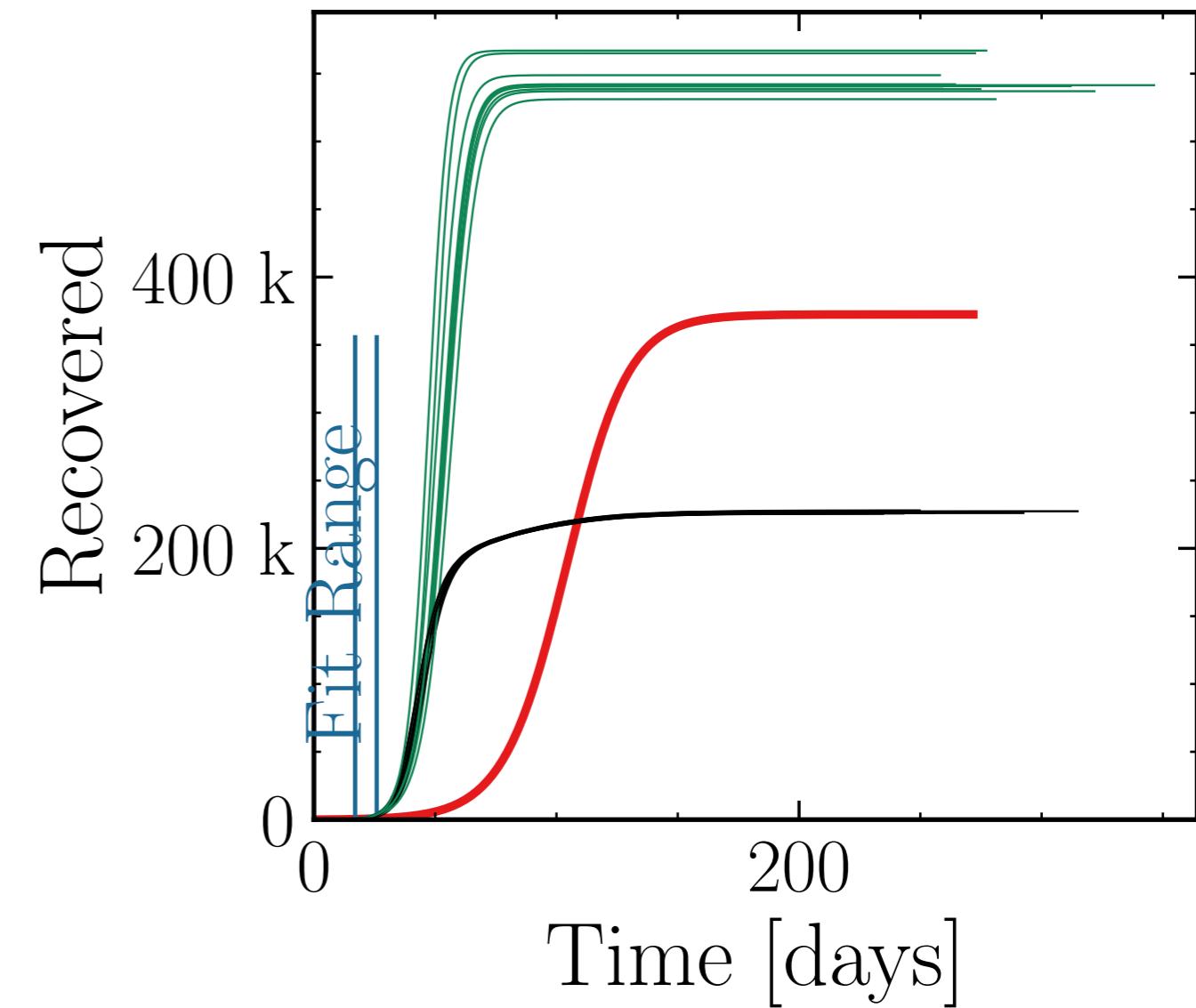
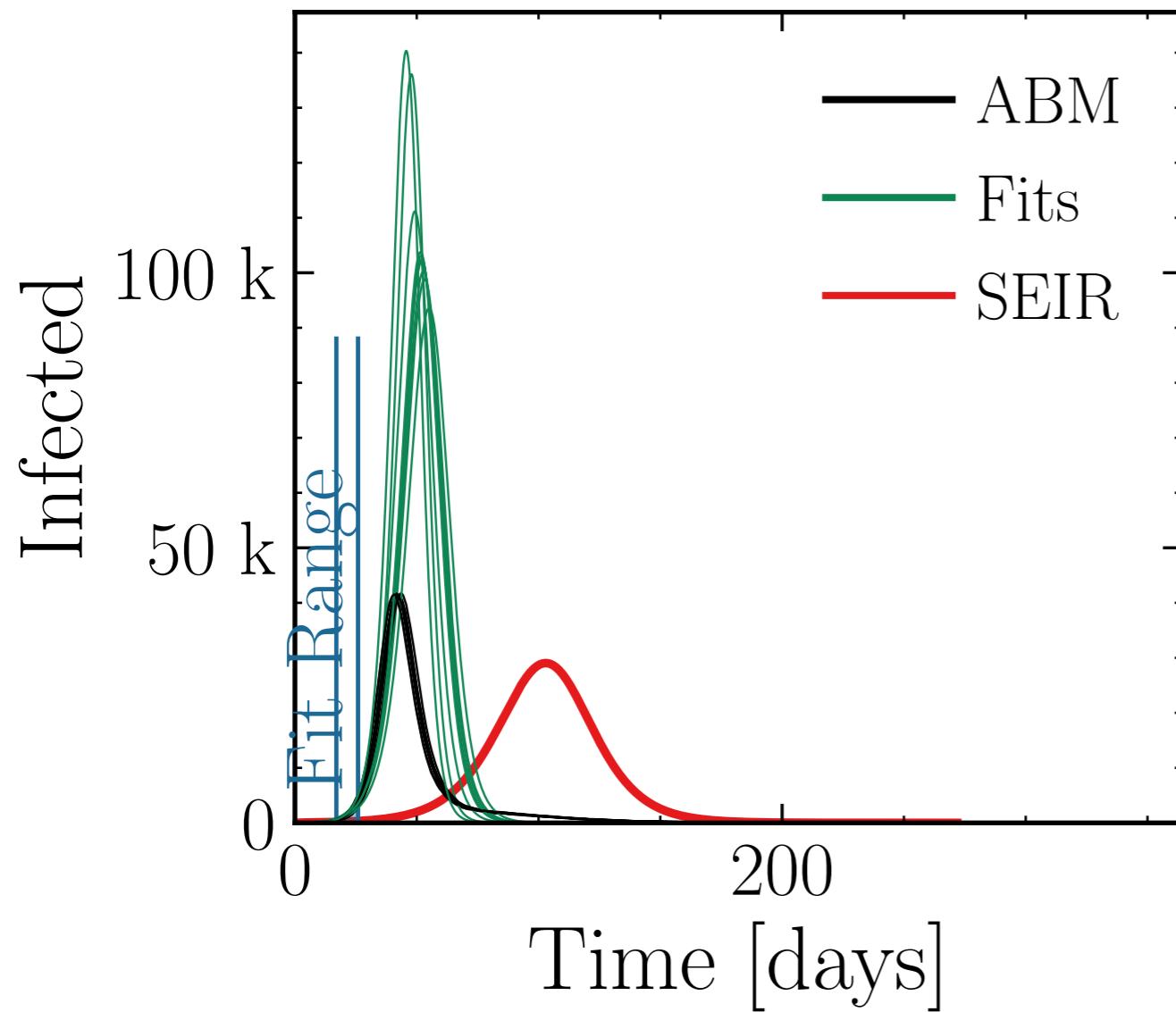
$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 2.6 \pm 0.12$$

$$\text{v.} = 1.0$$

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

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

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



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

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

$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

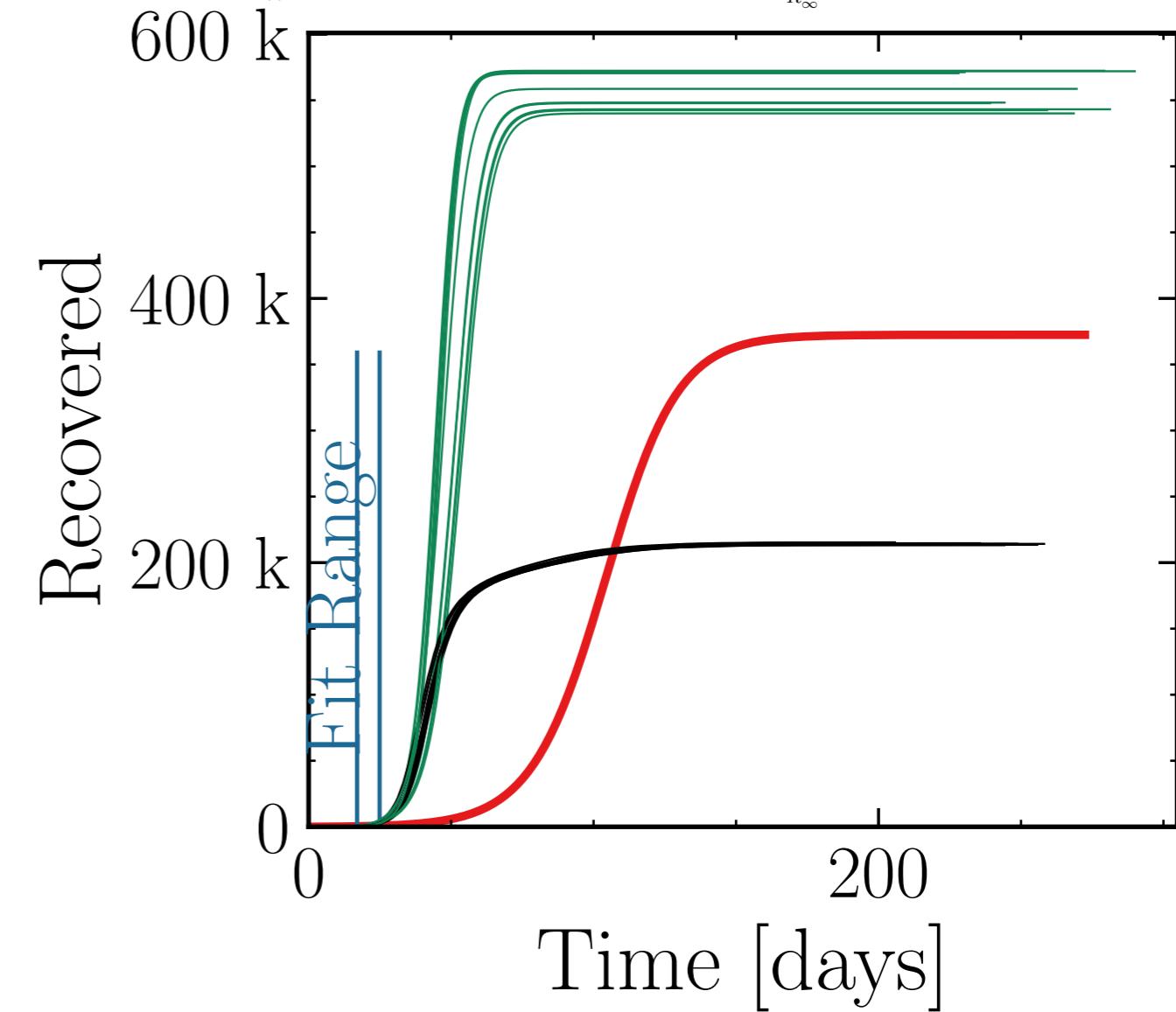
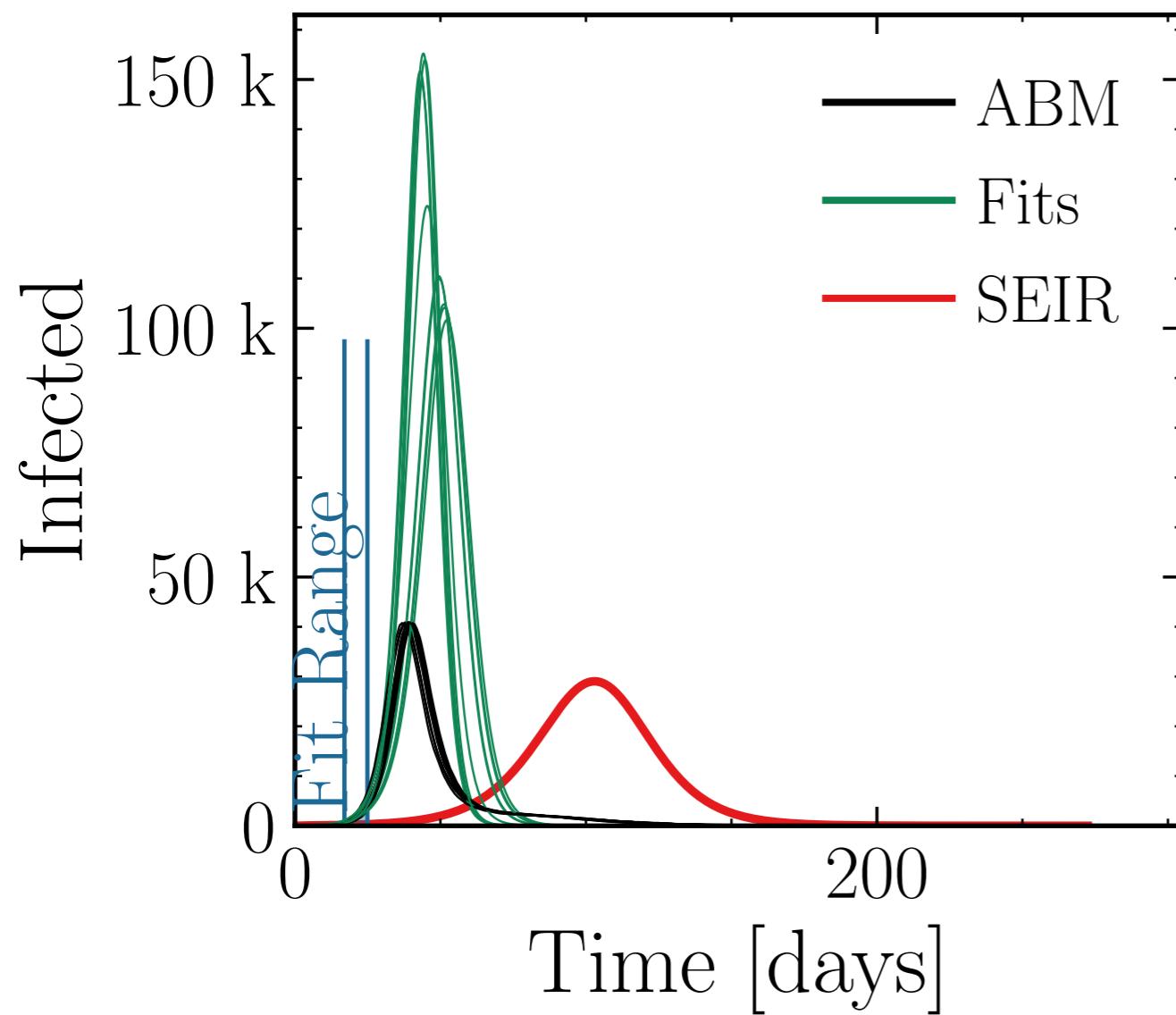
$$I_{\text{max}}^{\text{fit}} = (127 \pm 5.5\%) \cdot 10^3$$

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

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

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

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



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

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

$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

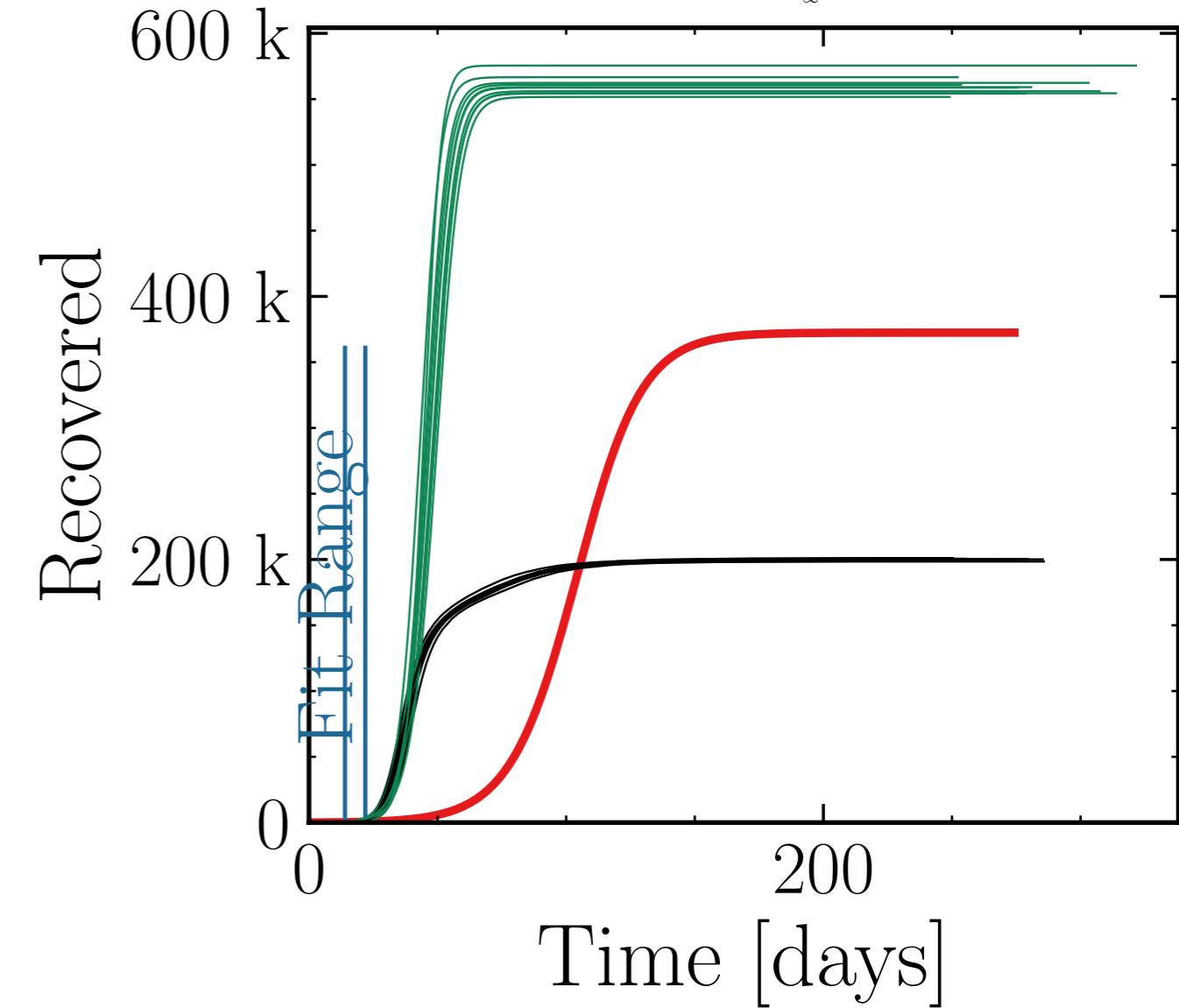
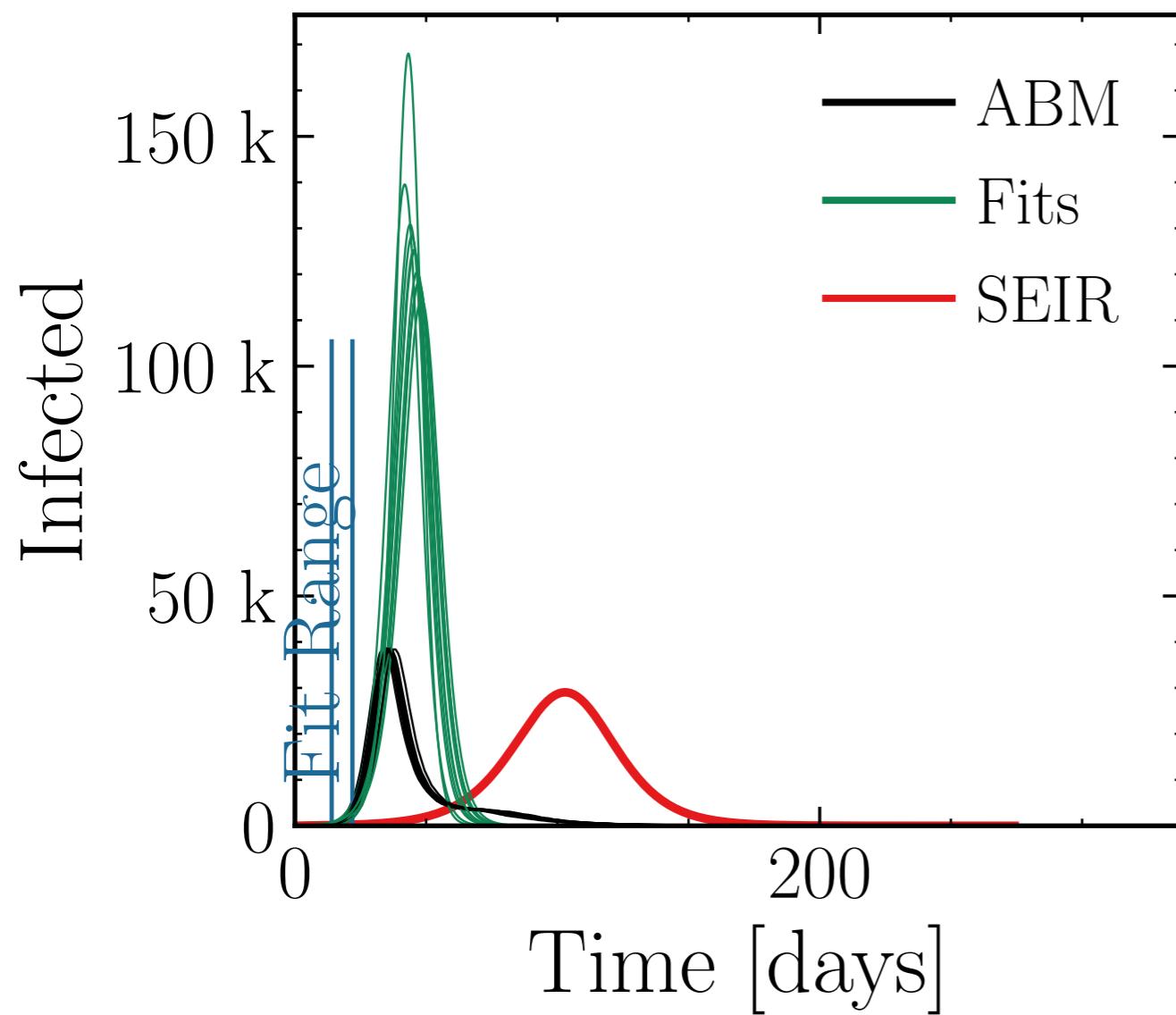
$$I_{\text{max}}^{\text{fit}} = (129 \pm 3.6\%) \cdot 10^3$$

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

$$v. = 1.0, \text{hash} = \text{cf8f6b38f6}\#10$$

$$R_{\infty}^{\text{fit}} = (560 \pm 0.37\%) \cdot 10^3$$

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



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

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

$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

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

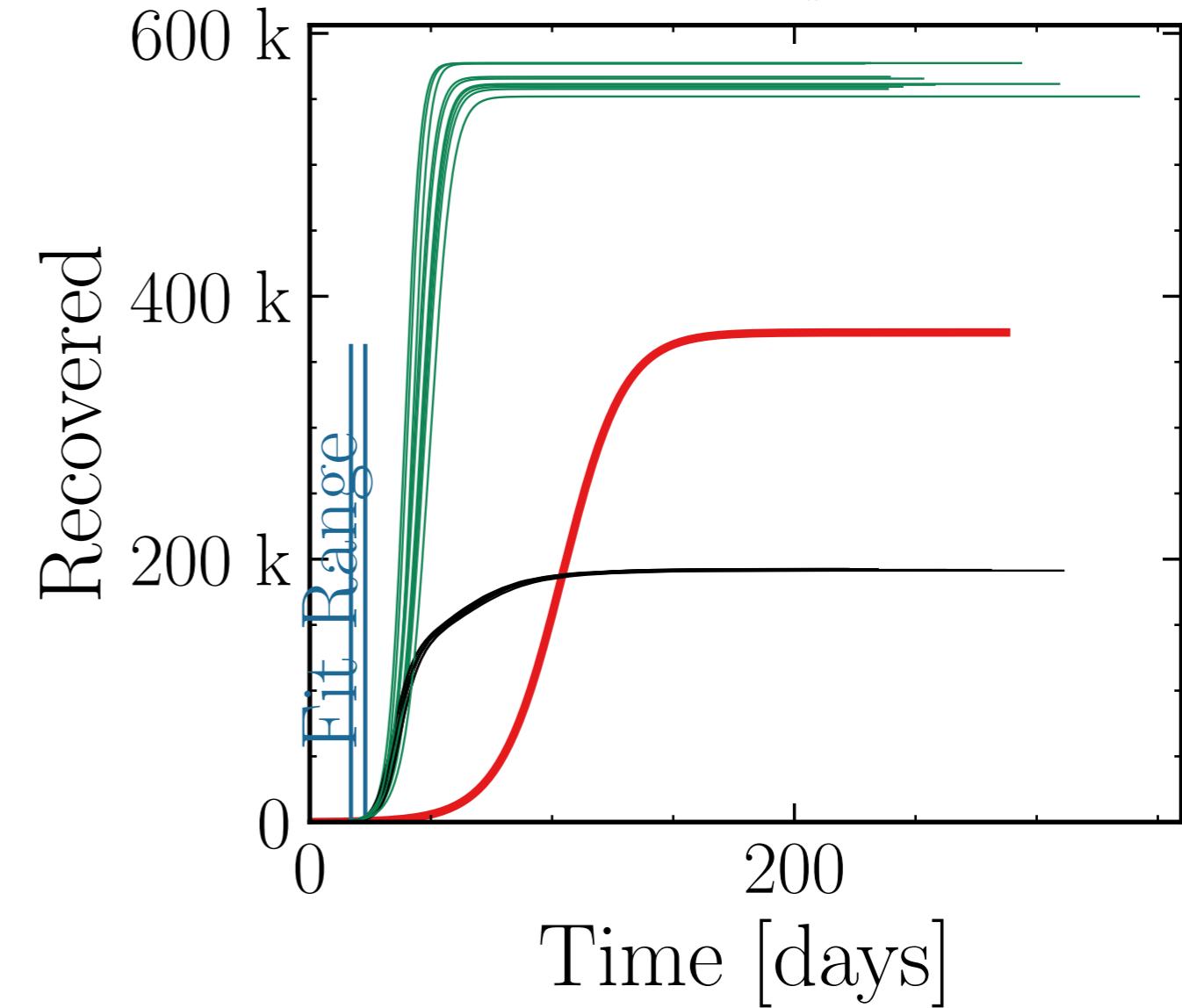
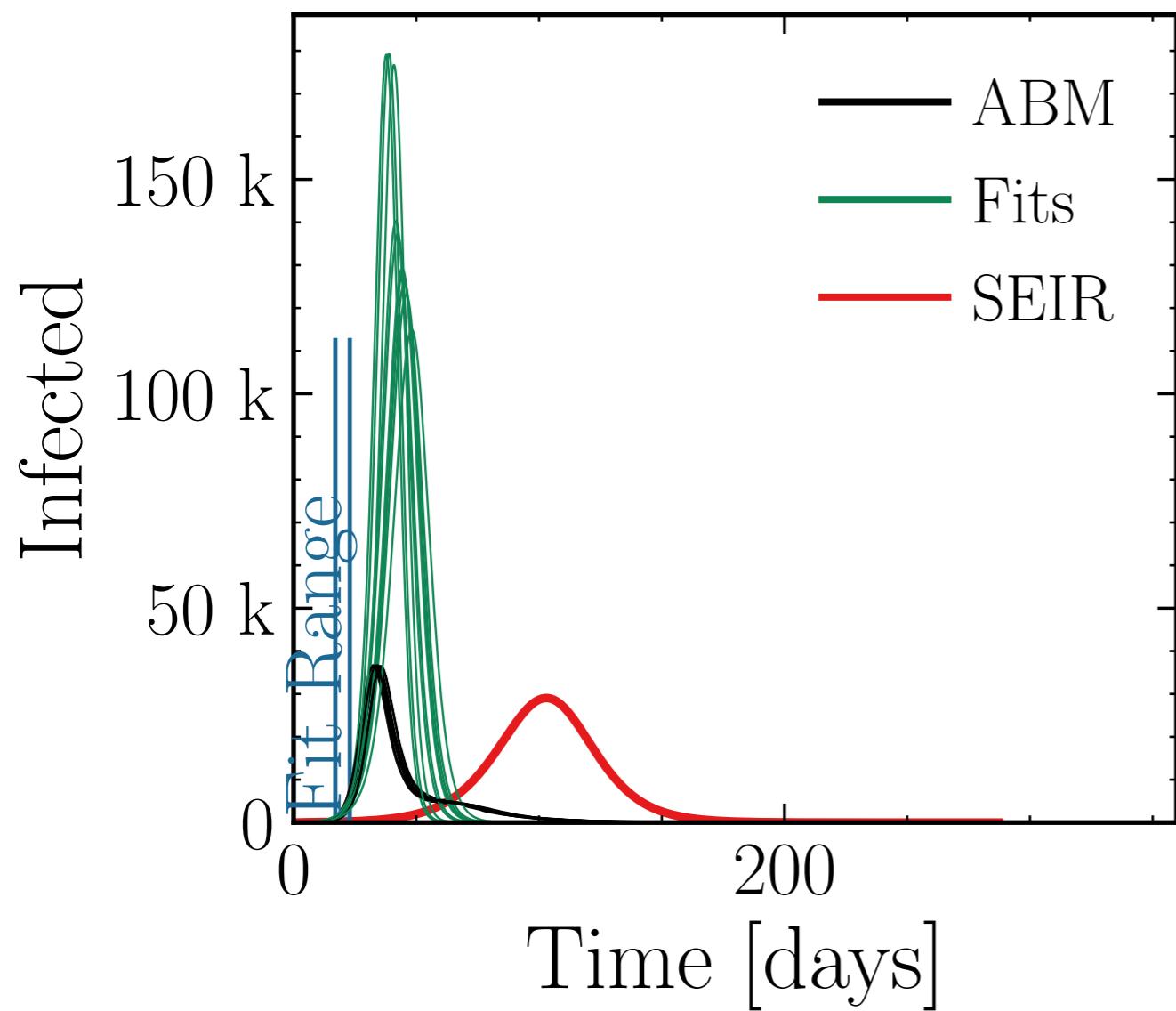
$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 3.9 \pm 0.20$$

v. = 1.0,

hash = c0f7d75d66, #10

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

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



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

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

$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

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

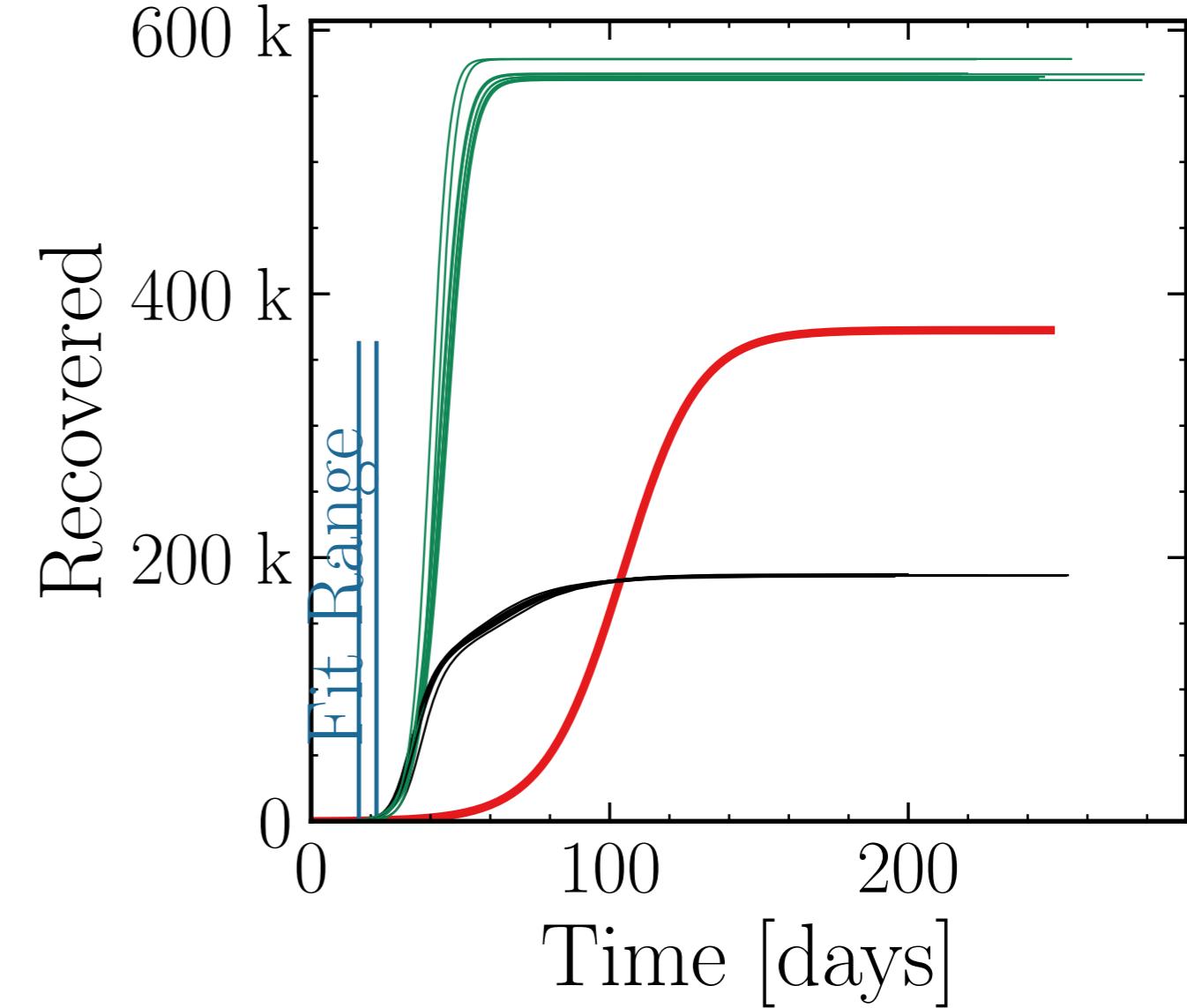
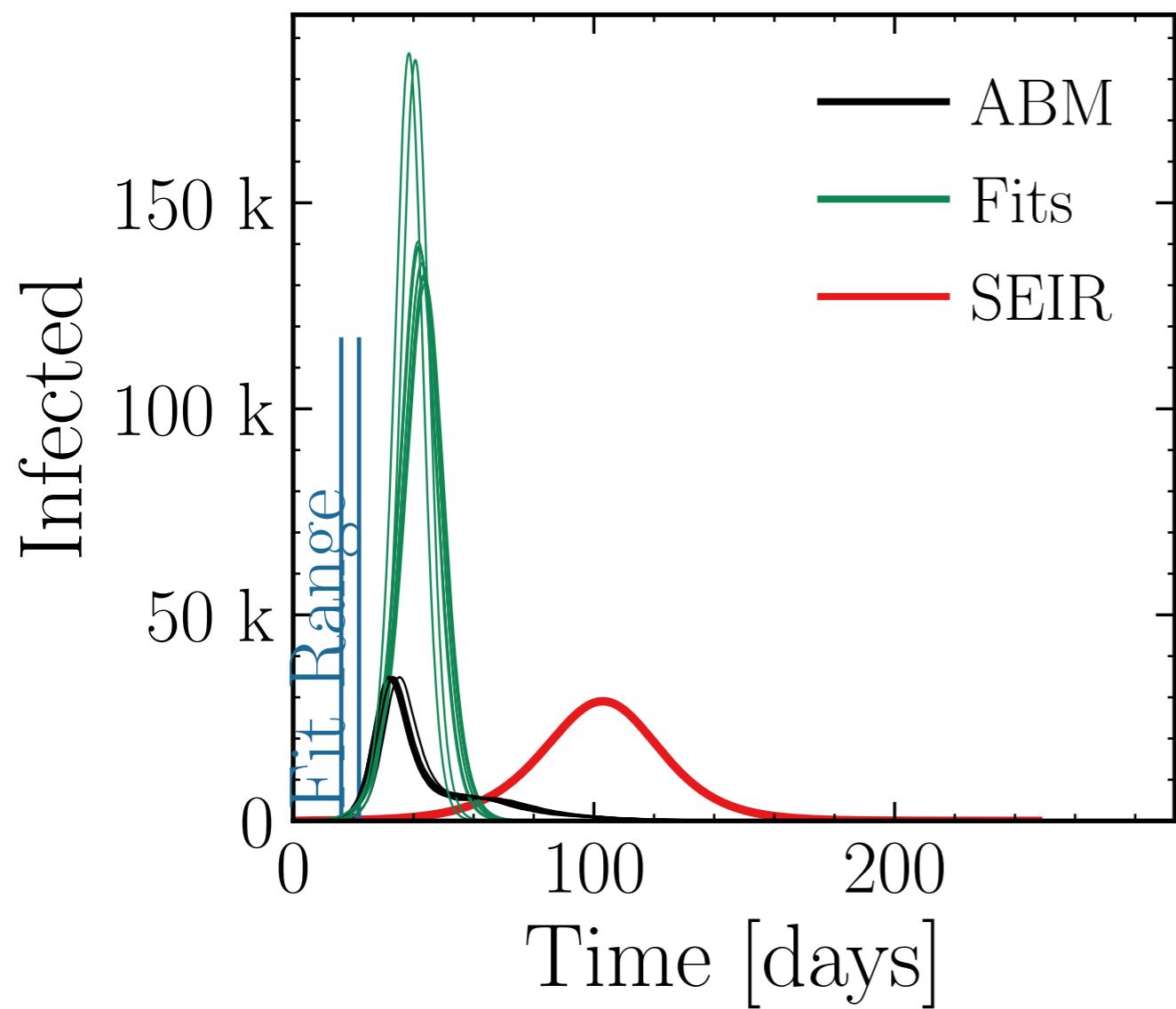
$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 4.2 \pm 0.18$$

$$\text{v.} = 1.0$$

$$\text{hash} = \text{b89c8873bc}\#\#10$$

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

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



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

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

$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

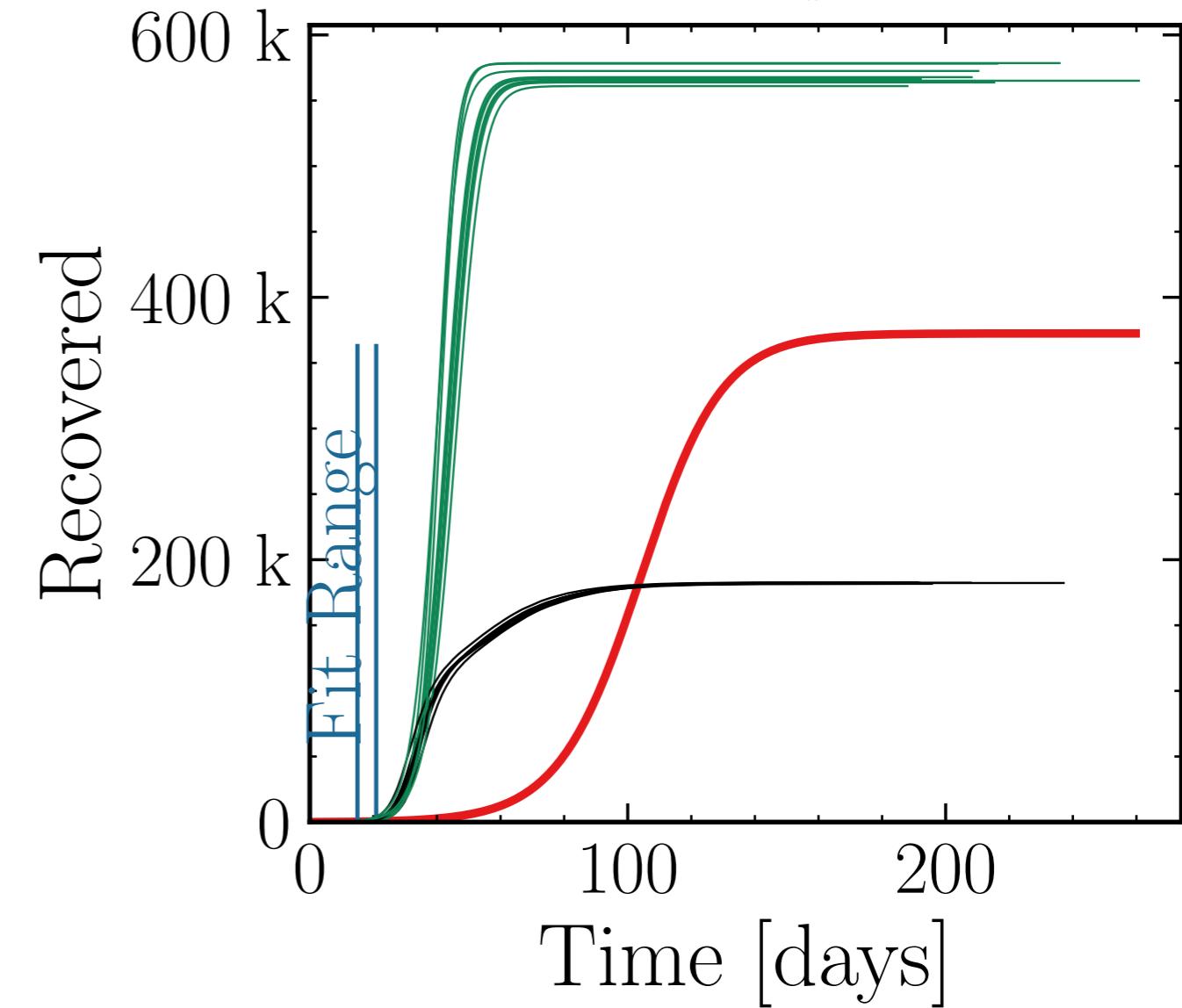
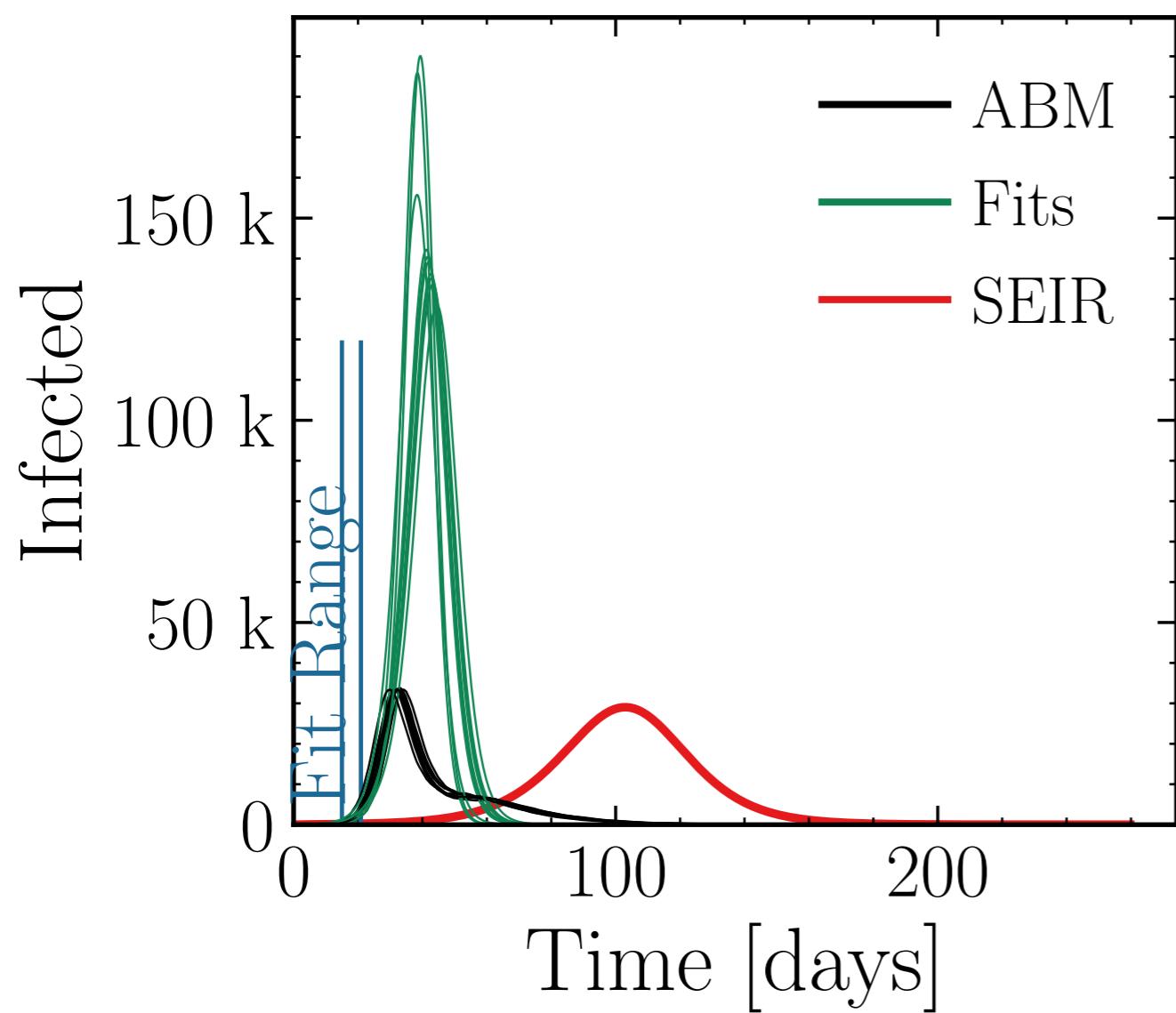
$$I_{\text{max}}^{\text{fit}} = (149 \pm 4.4\%) \cdot 10^3$$

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

$$\text{v.} = 1.0, \text{hash} = \text{f110866891}, \#10$$

$$R_{\infty}^{\text{fit}} = (568 \pm 0.32\%) \cdot 10^3$$

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



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

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

$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

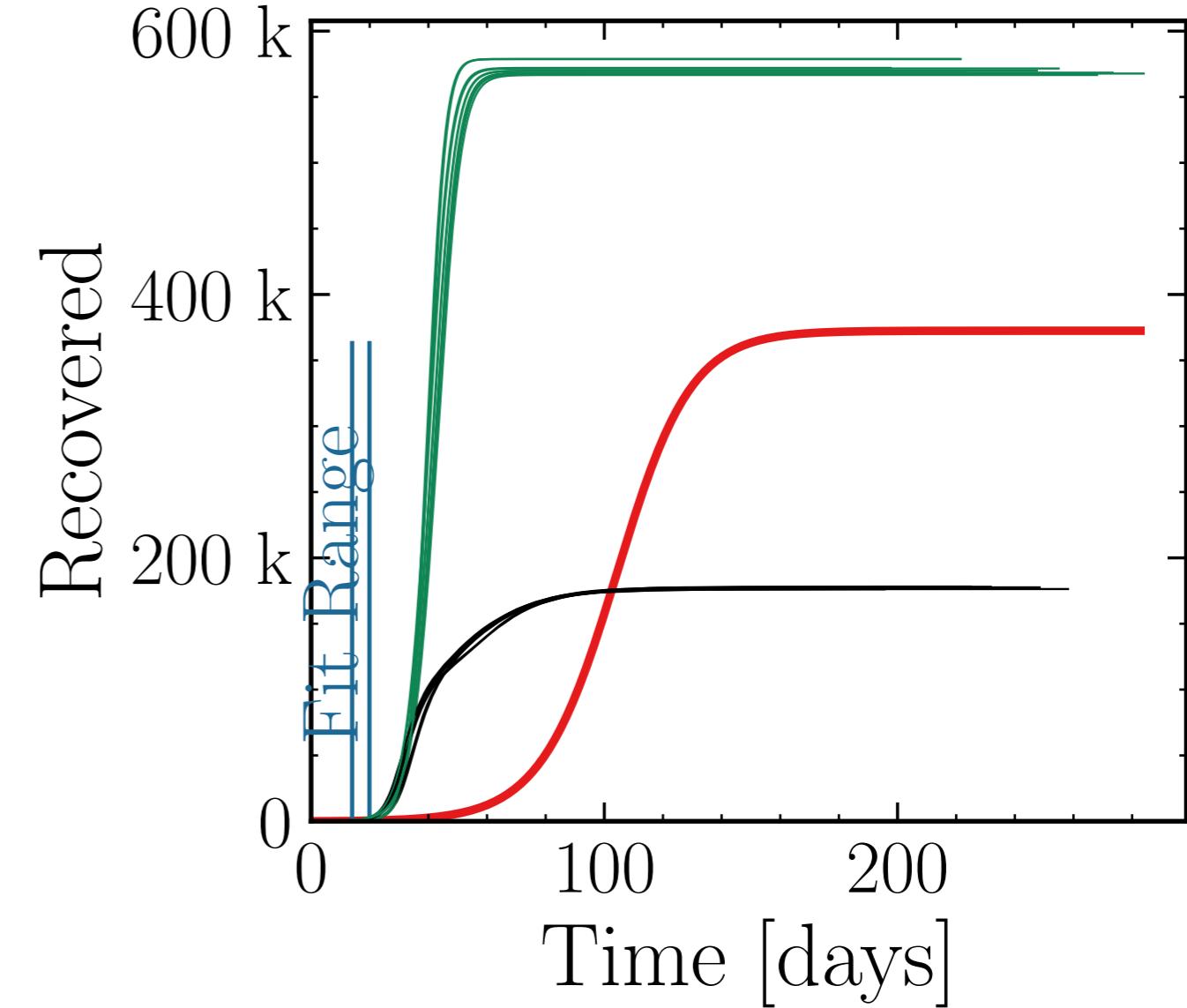
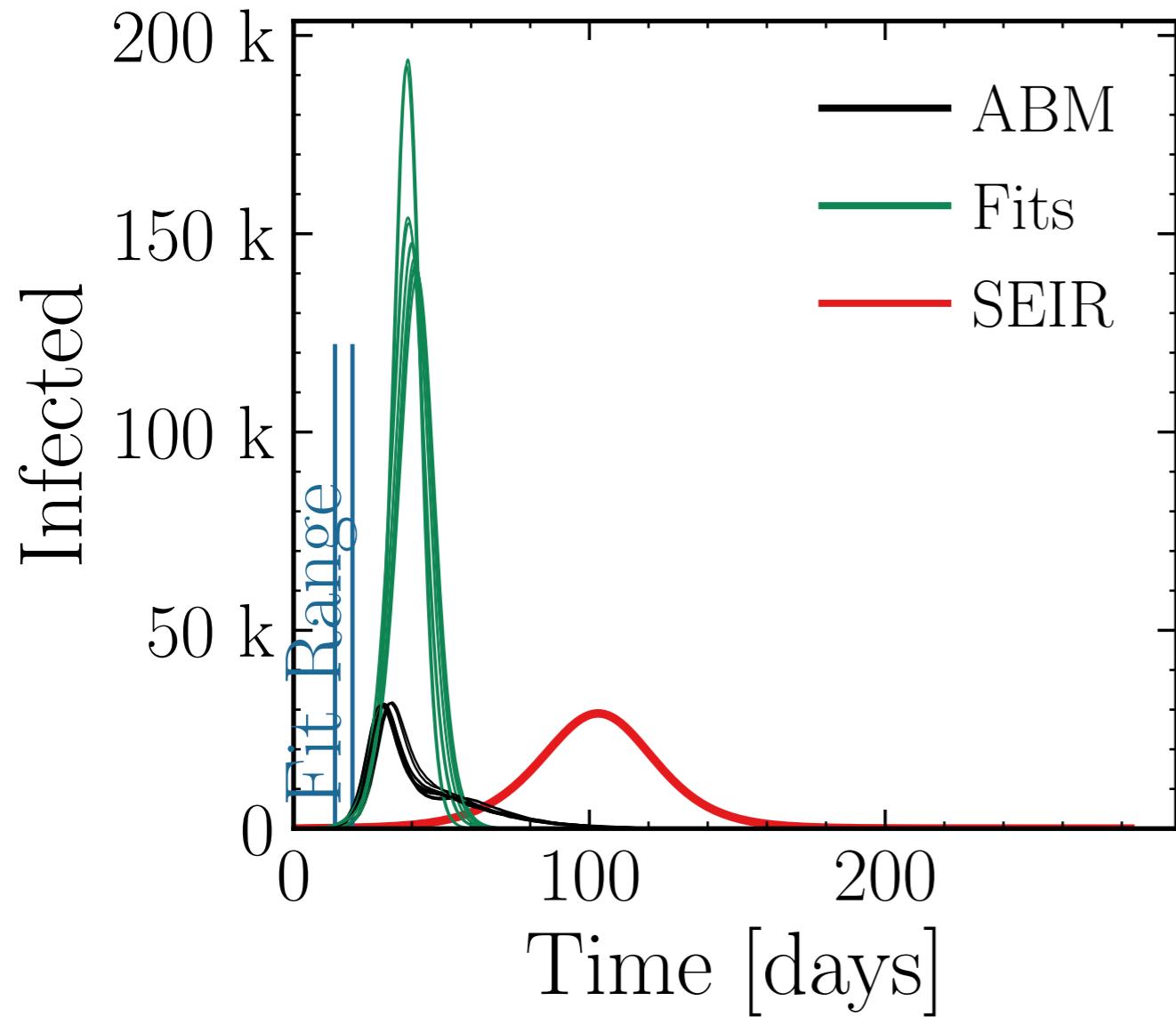
$$I_{\text{max}}^{\text{fit}} = (156 \pm 3.9\%) \cdot 10^3$$

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

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

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

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



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

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

$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β scaling} = 10.0, event_{weekendmultiplier} = 1.0

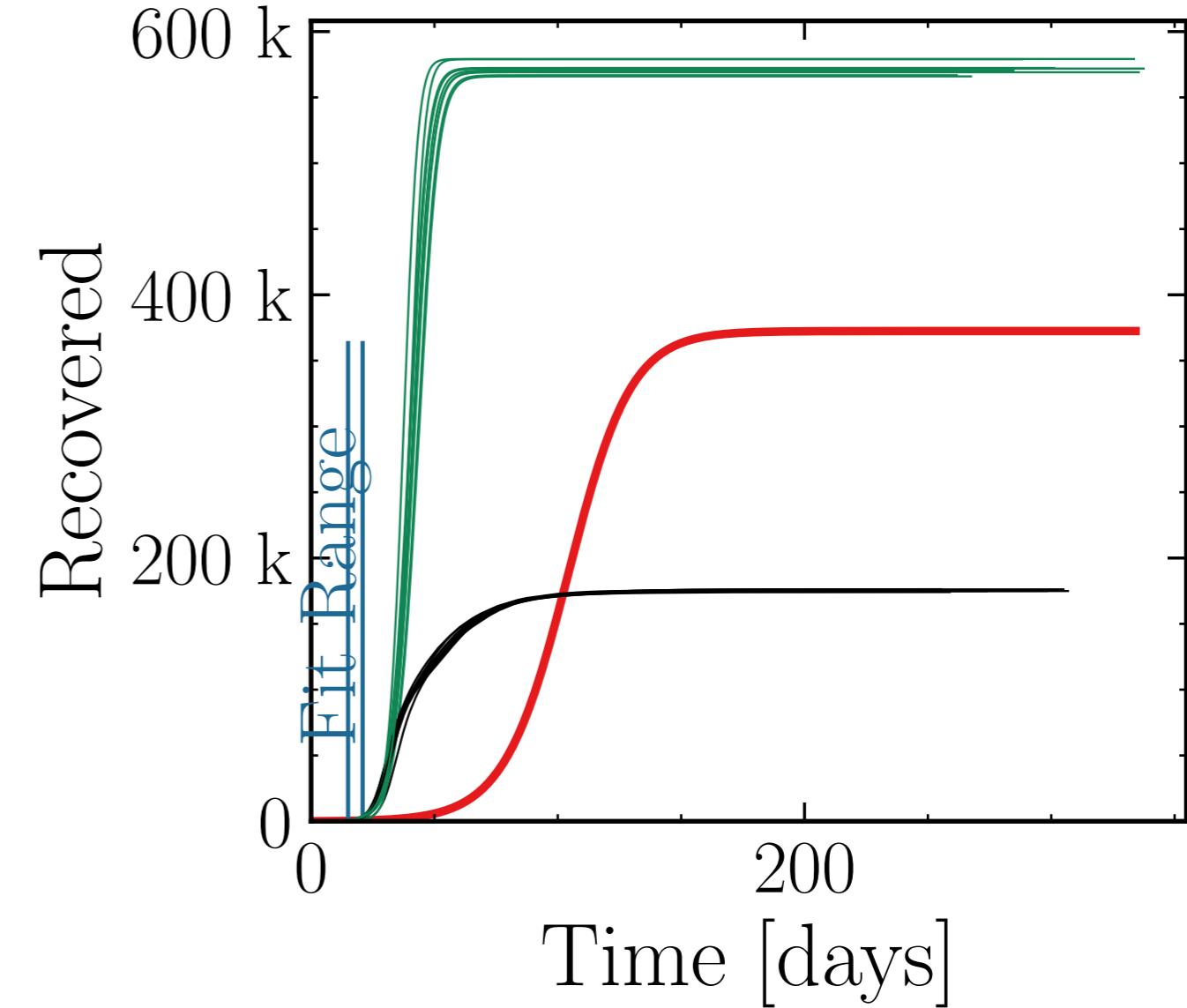
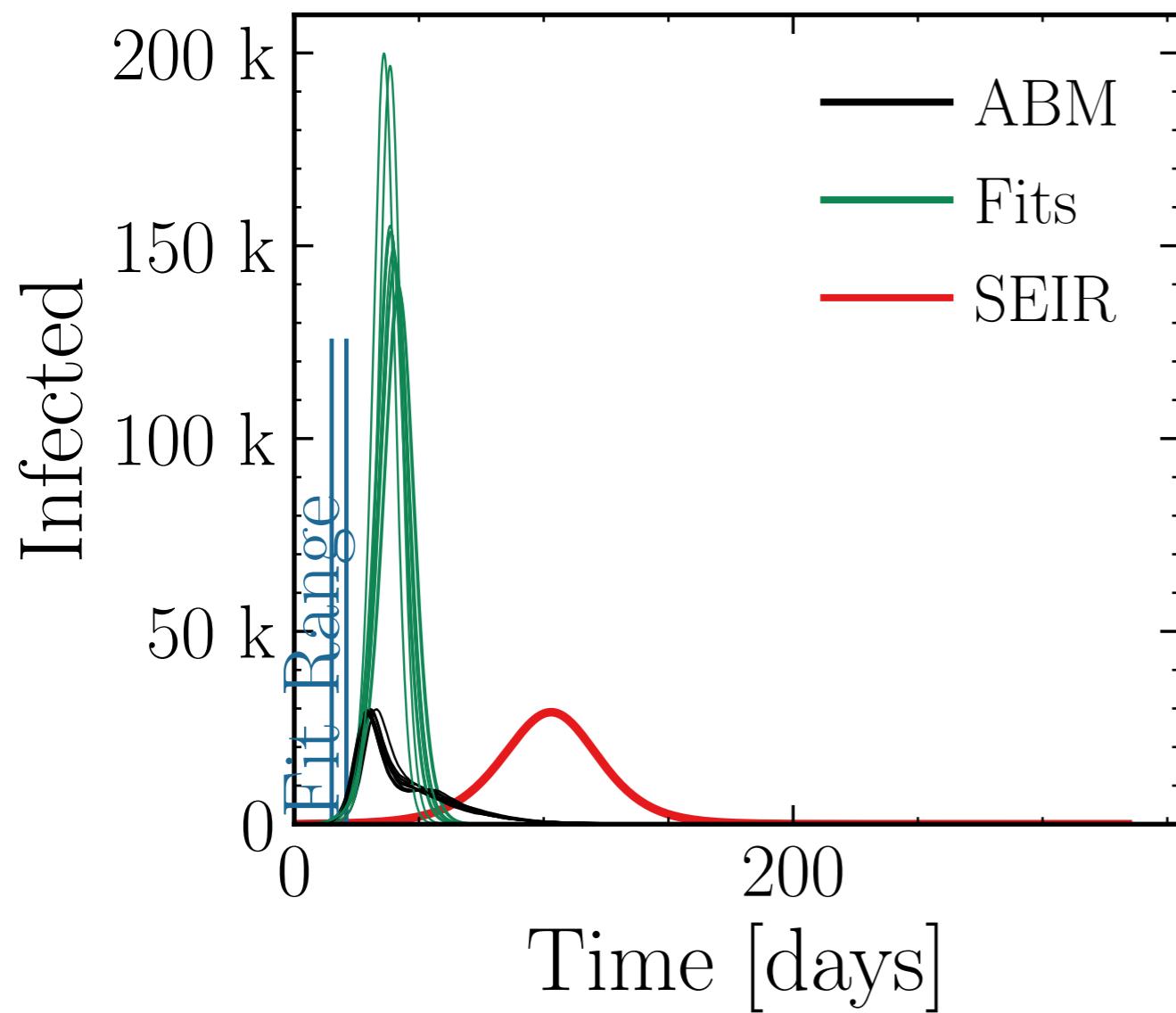
$$I_{\text{max}}^{\text{fit}} = (158 \pm 4.2\%) \cdot 10^3$$

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

$$v. = 1.0, \text{hash} = 494f64f7ee, \#10$$

$$R_{\infty}^{\text{fit}} = (572 \pm 0.24\%) \cdot 10^3$$

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



$N_{\text{tot}} = 580K$, $\rho = 0.01$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.007$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$

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

$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β scaling} = 10.0, event_{weekendmultiplier} = 1.0

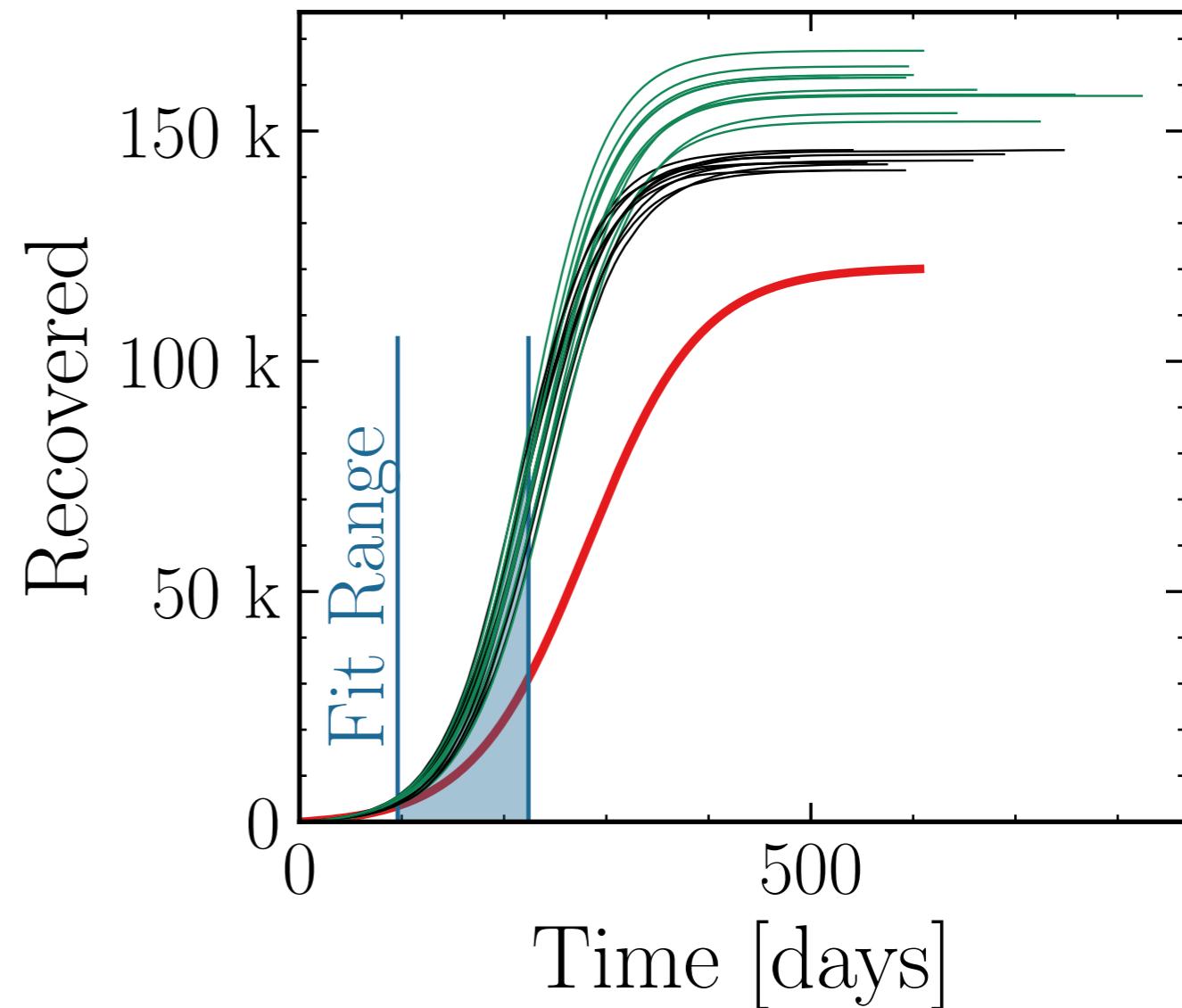
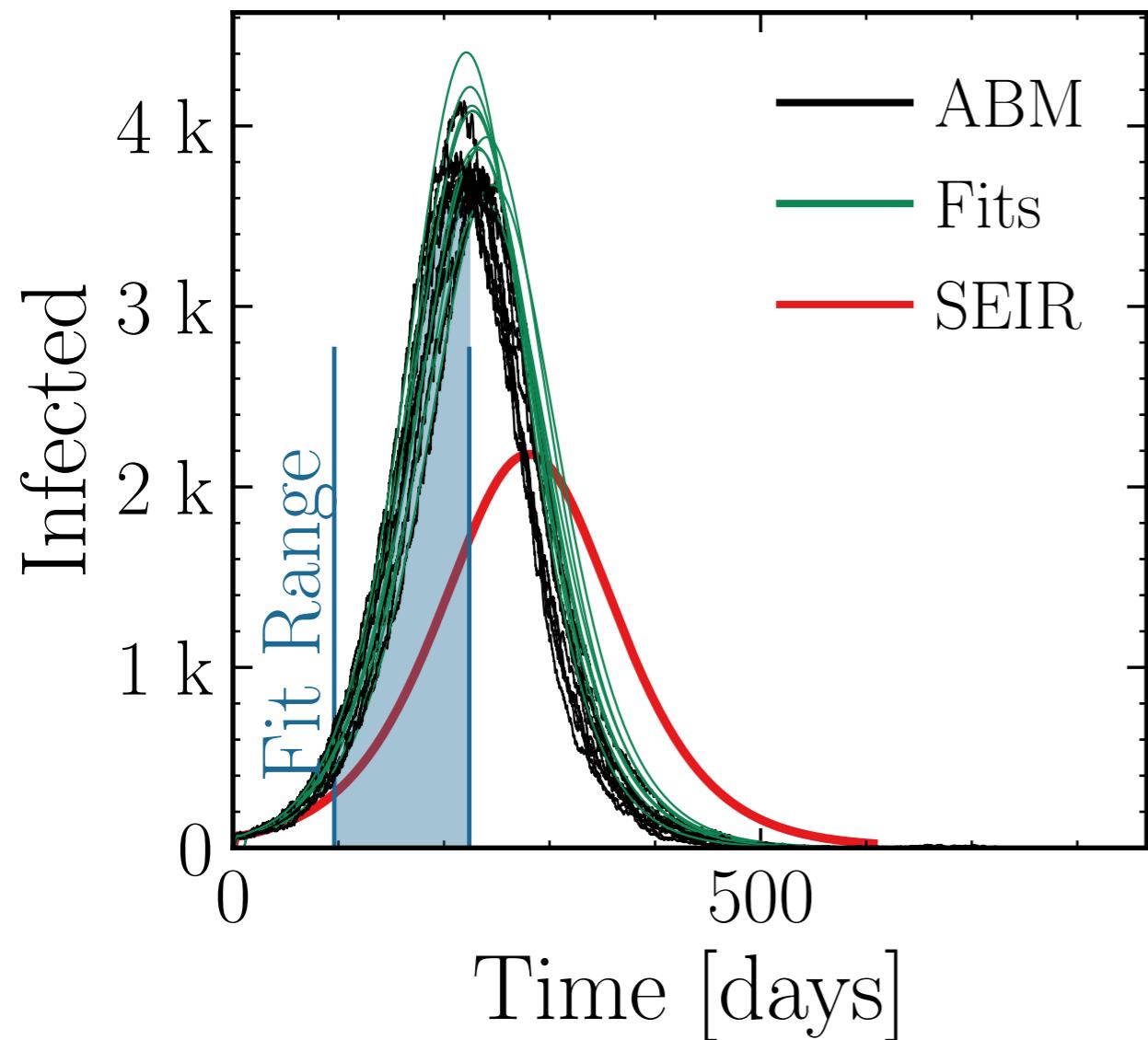
$$I_{\text{max}}^{\text{fit}} = (3.98 \pm 1.9\%) \cdot 10^3$$

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

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

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

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



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

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

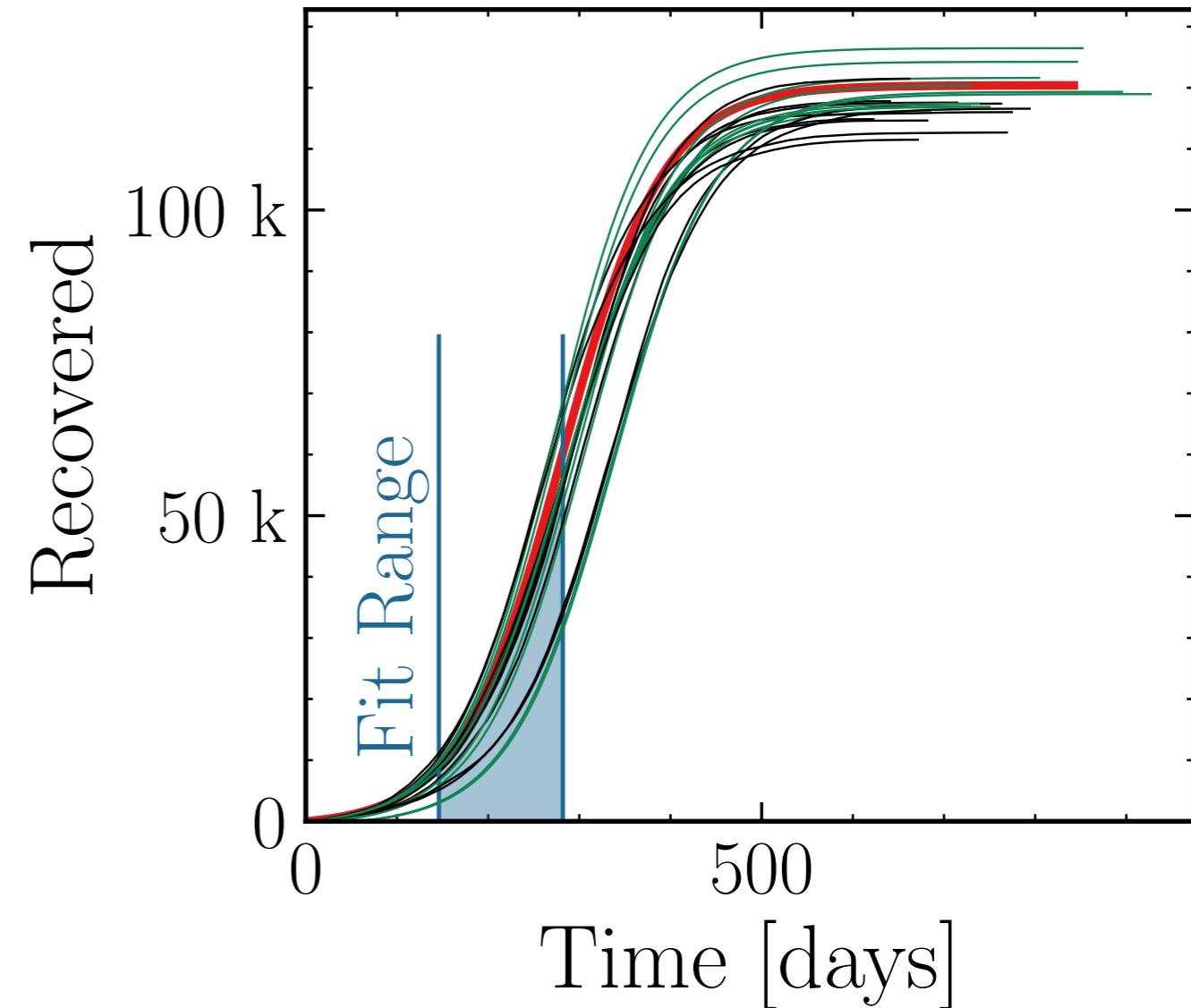
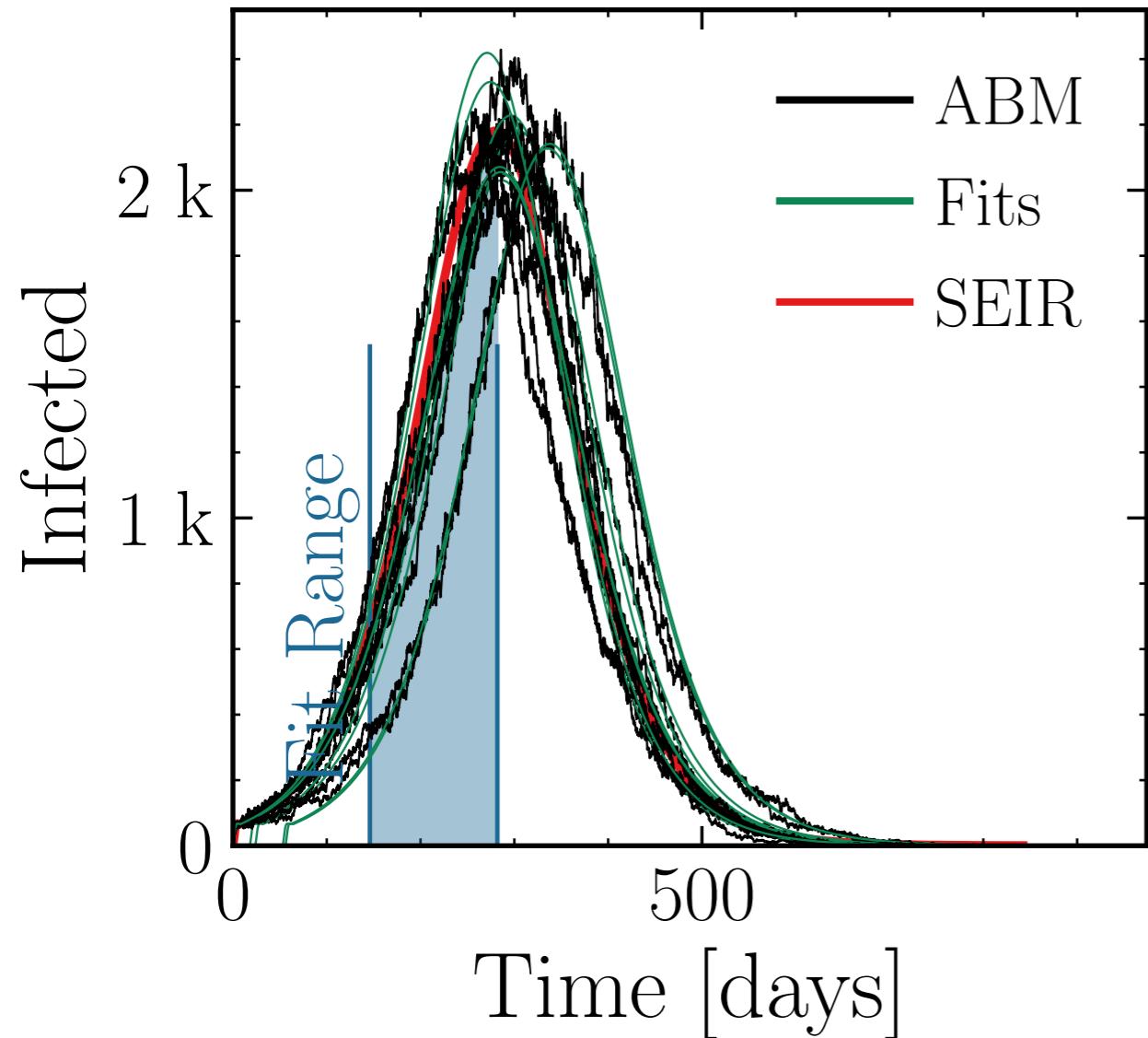
$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β scaling} = 10.0, event_{weekendmultiplier} = 1.0

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

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

$$\text{v.} = 1.0, \text{hash} = 663807e256, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.02 \pm 0.84\% \cdot 10^3$$



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

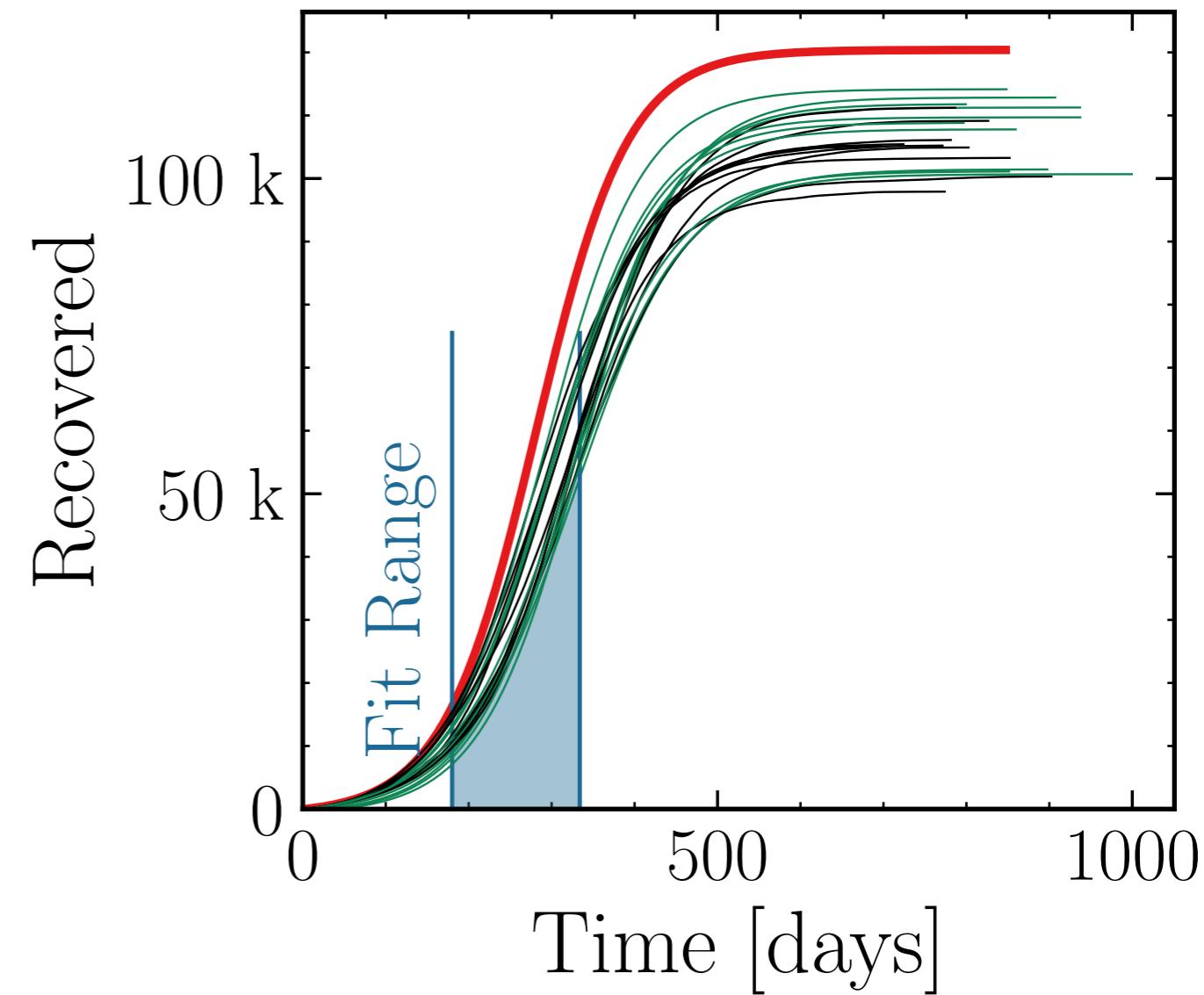
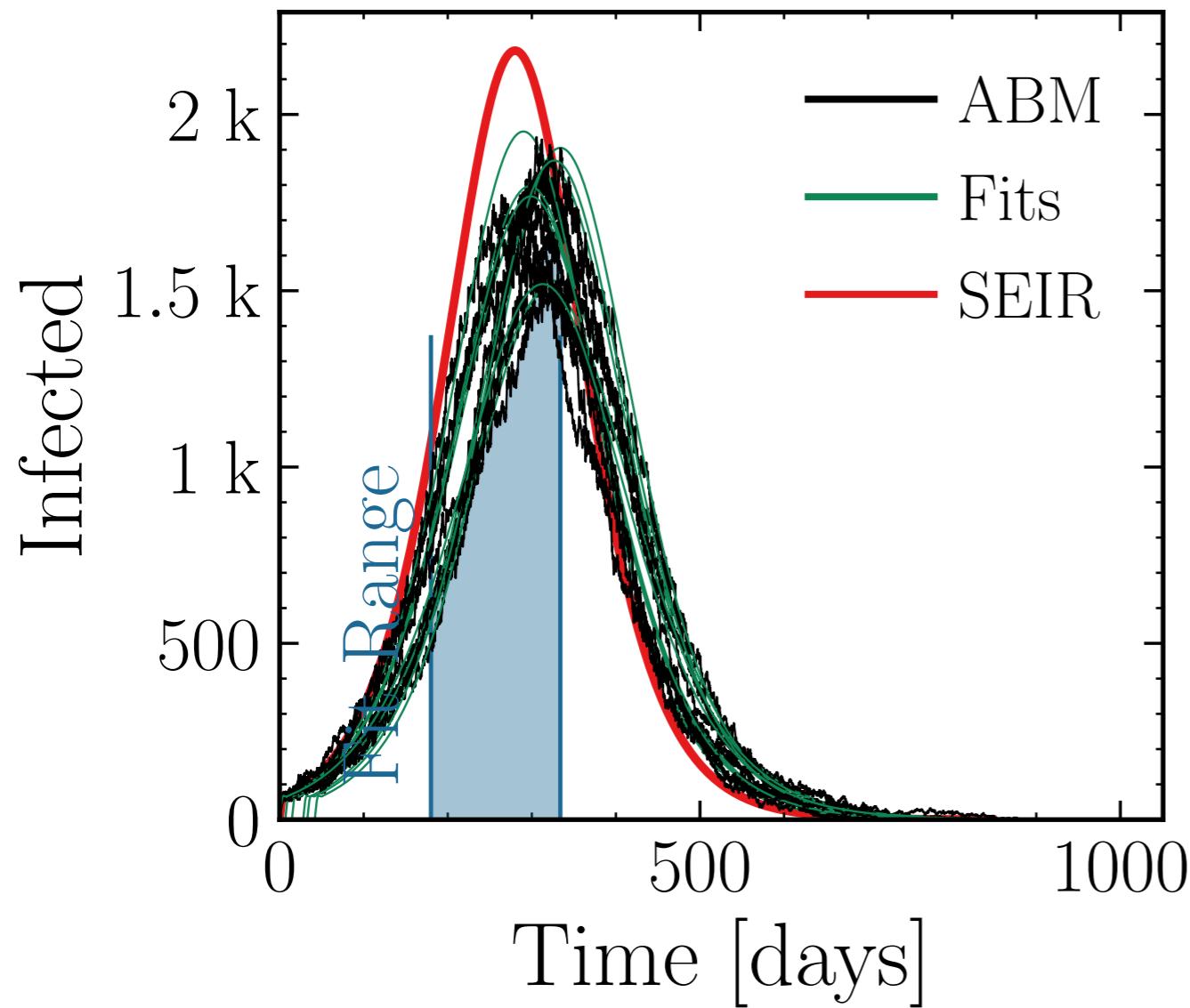
$\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{connect}}^{\text{retry}} = 0$

$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β} scaling = 10.0, event_{weekendmultiplier} = 1.0

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

$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{ABM}}^{\text{max}}} = 0.997 \pm 0.018$ v. = 1.0, hash = 211b953ae1, #10

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



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

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

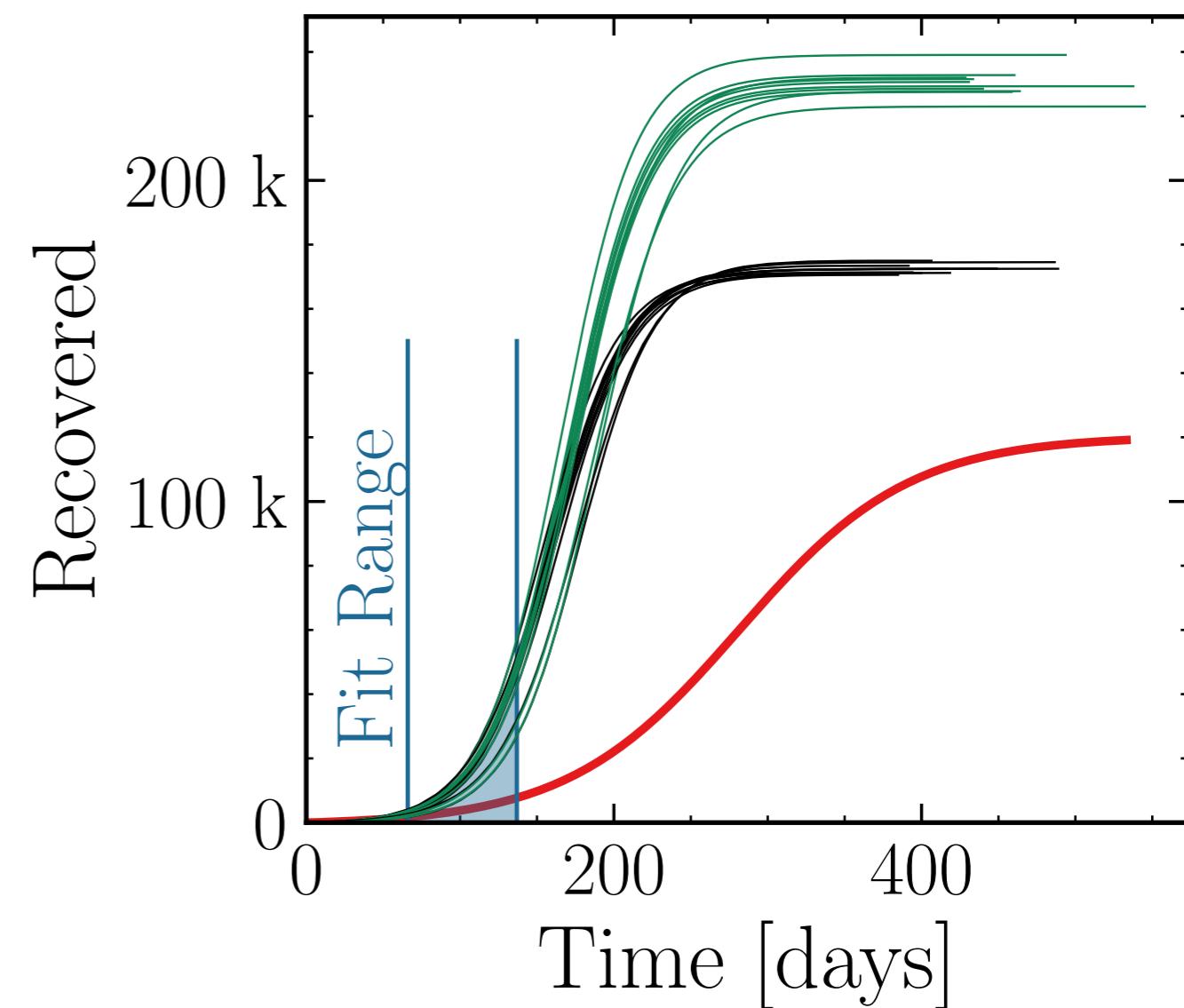
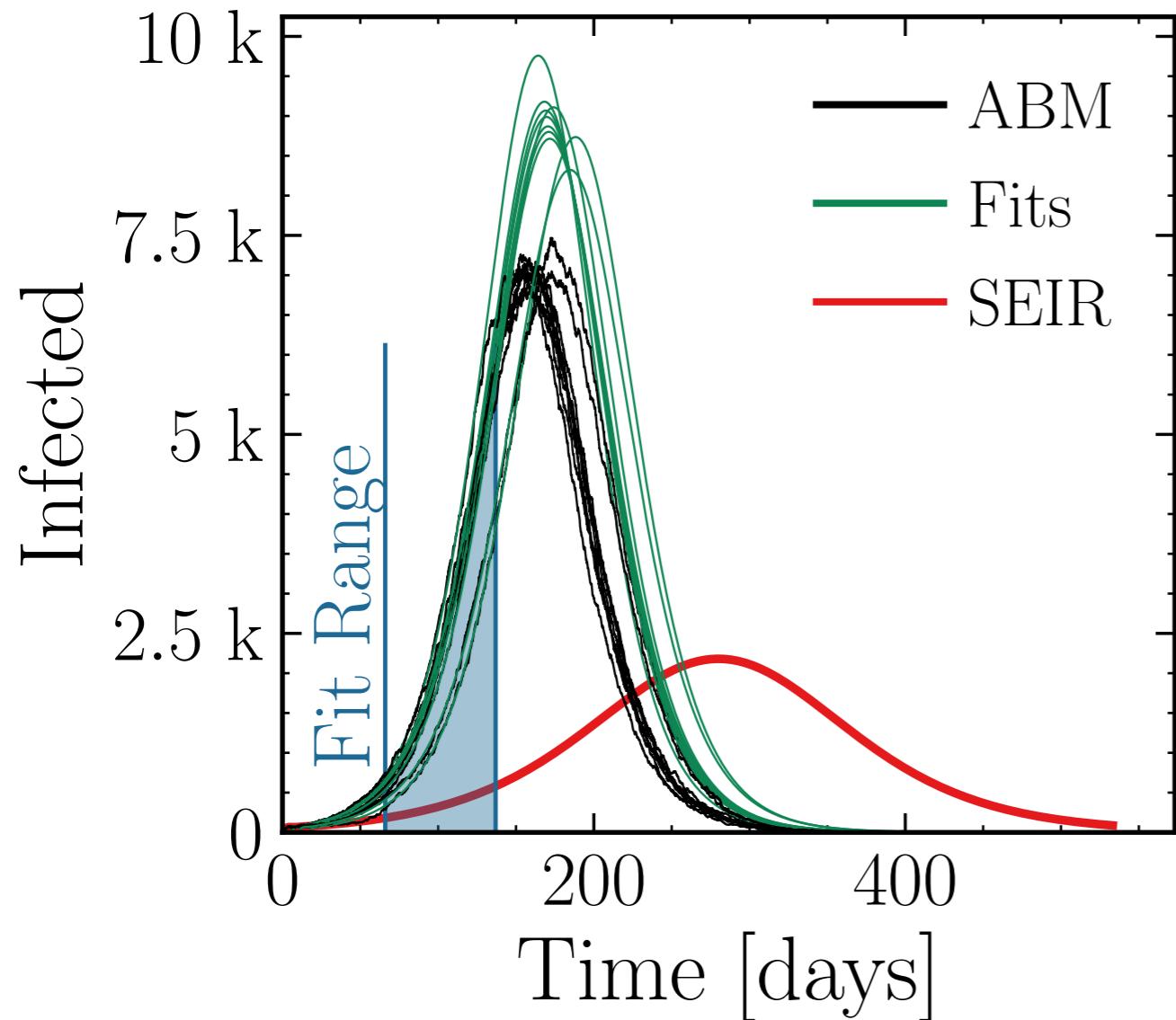
$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β} _{scaling} = 10.0, event_{weekend_{multiplier}} = 1.0

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

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

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

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



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

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

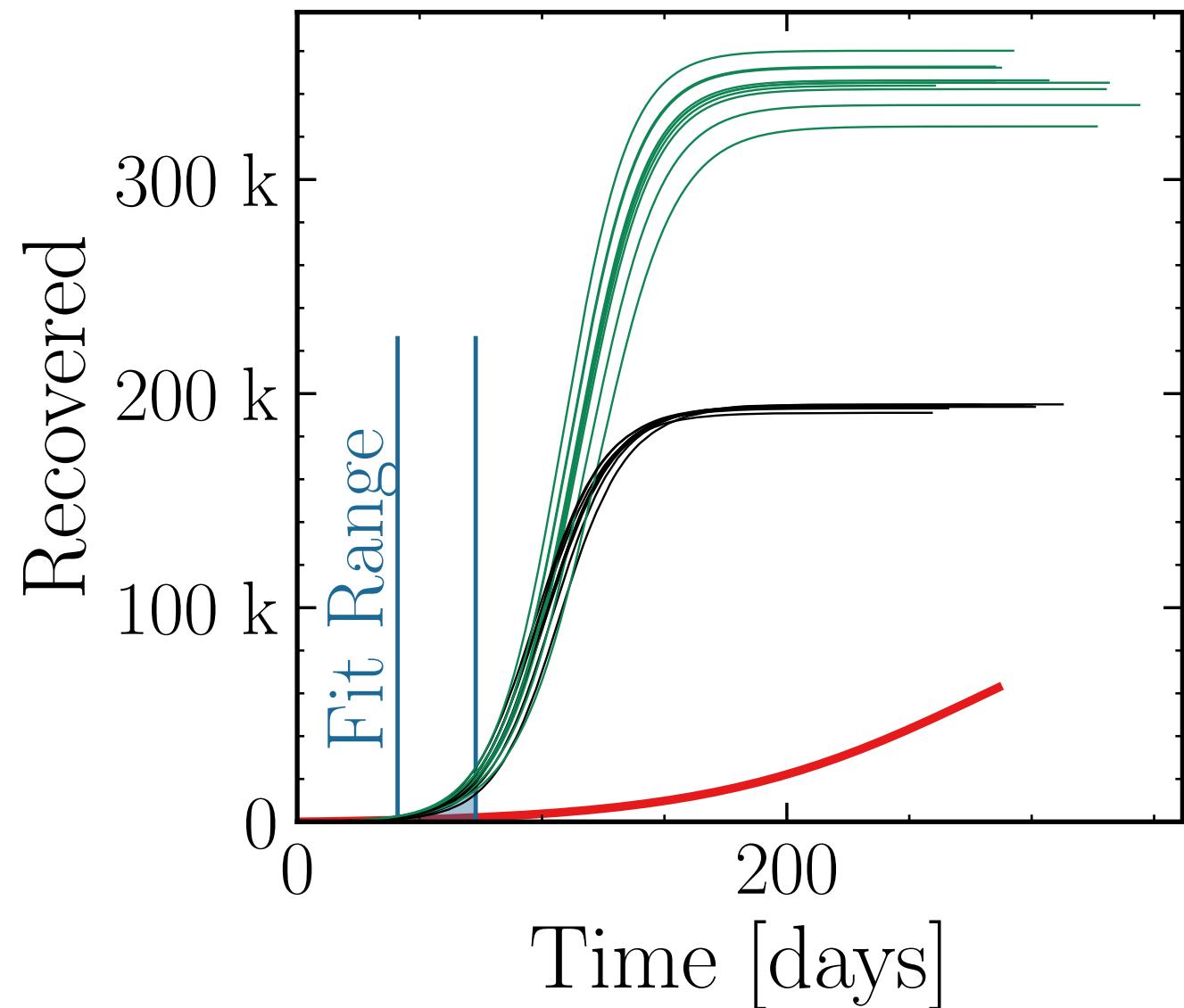
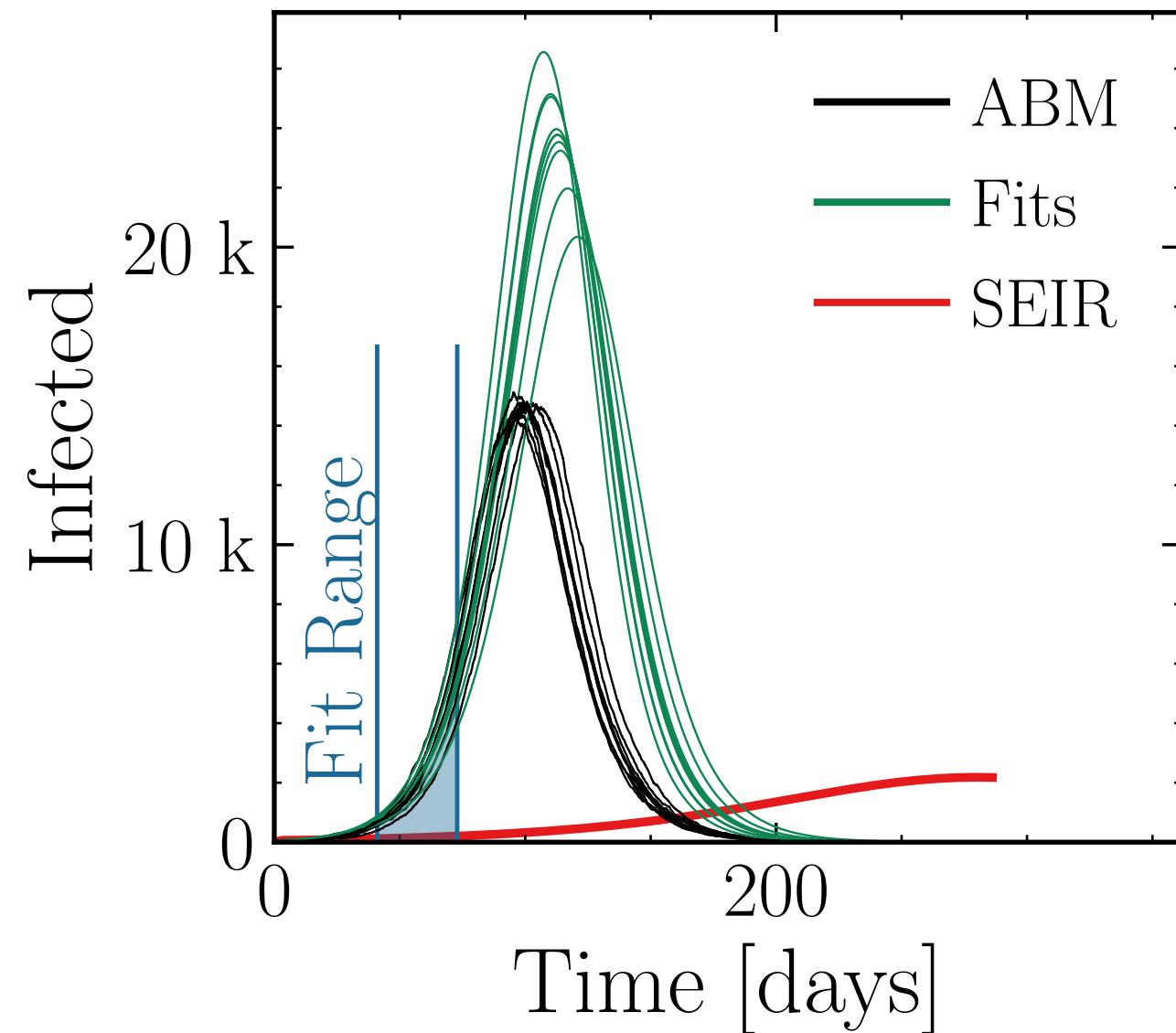
$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

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

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

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

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



$N_{\text{tot}} = 580K$, $\rho = 0.05$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.007$, $\sigma_\beta = 0.0$, 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_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

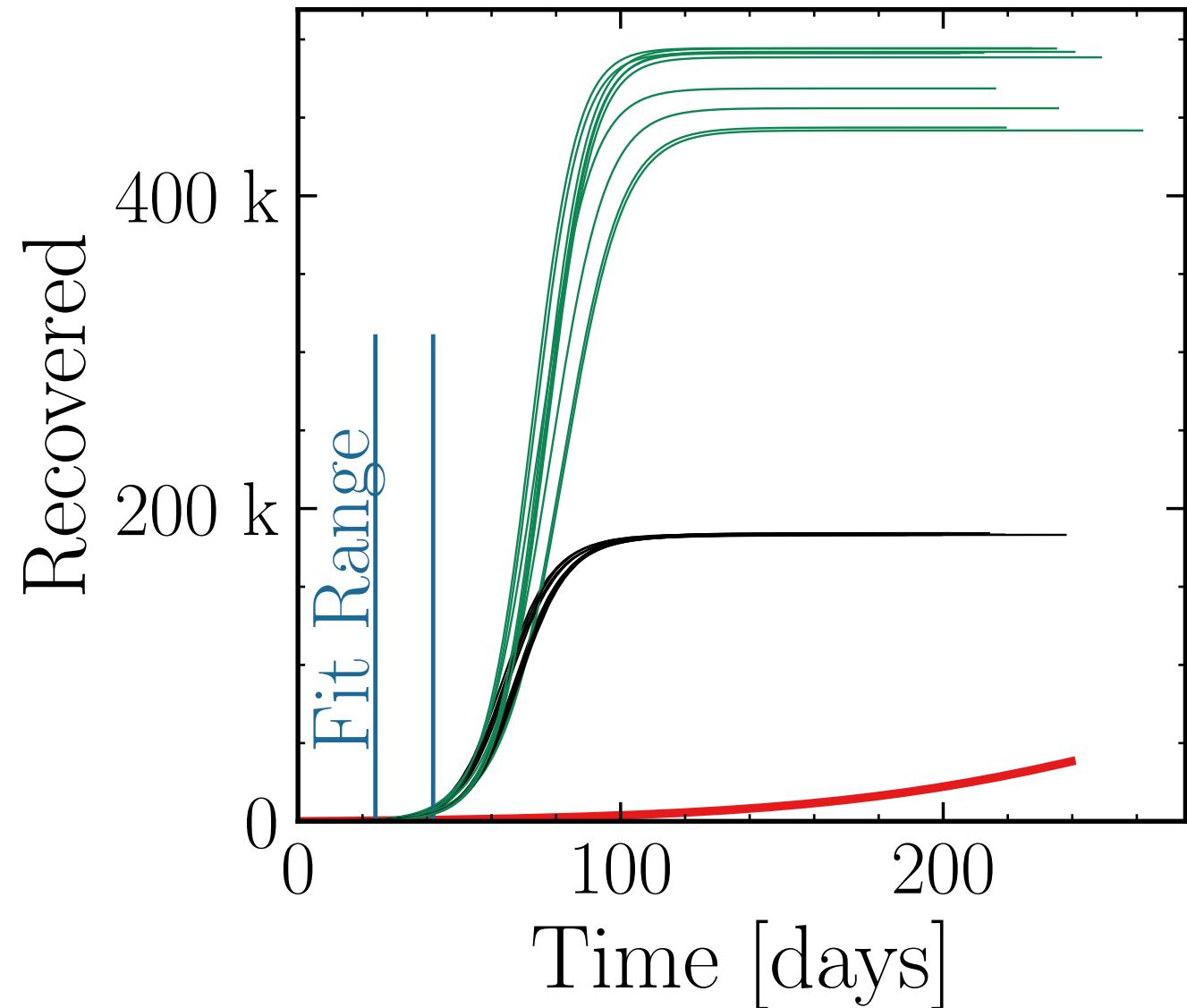
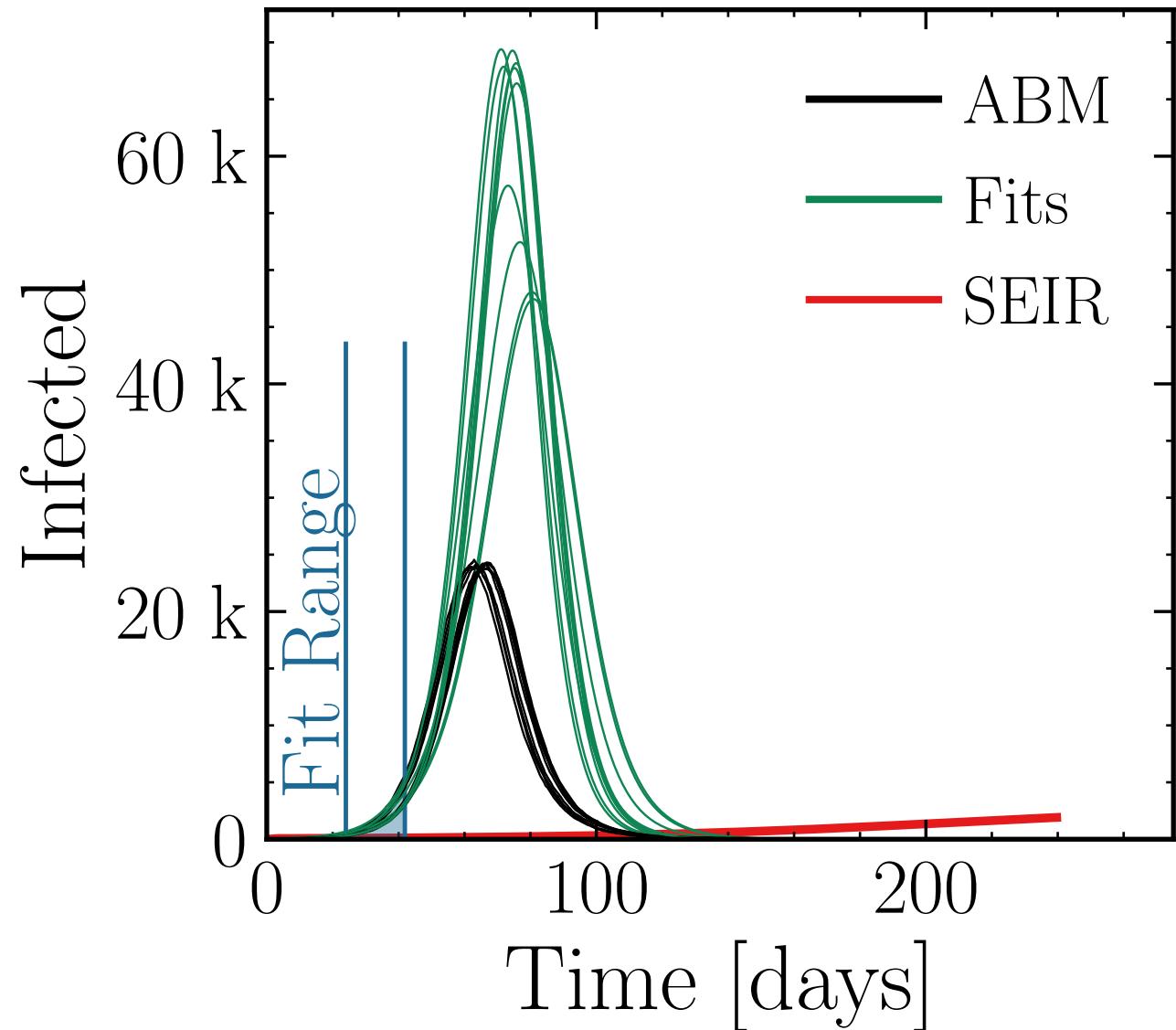
$$I_{\text{max}}^{\text{fit}} = (61 \pm 4.5\%) \cdot 10^3$$

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

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

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

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



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

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

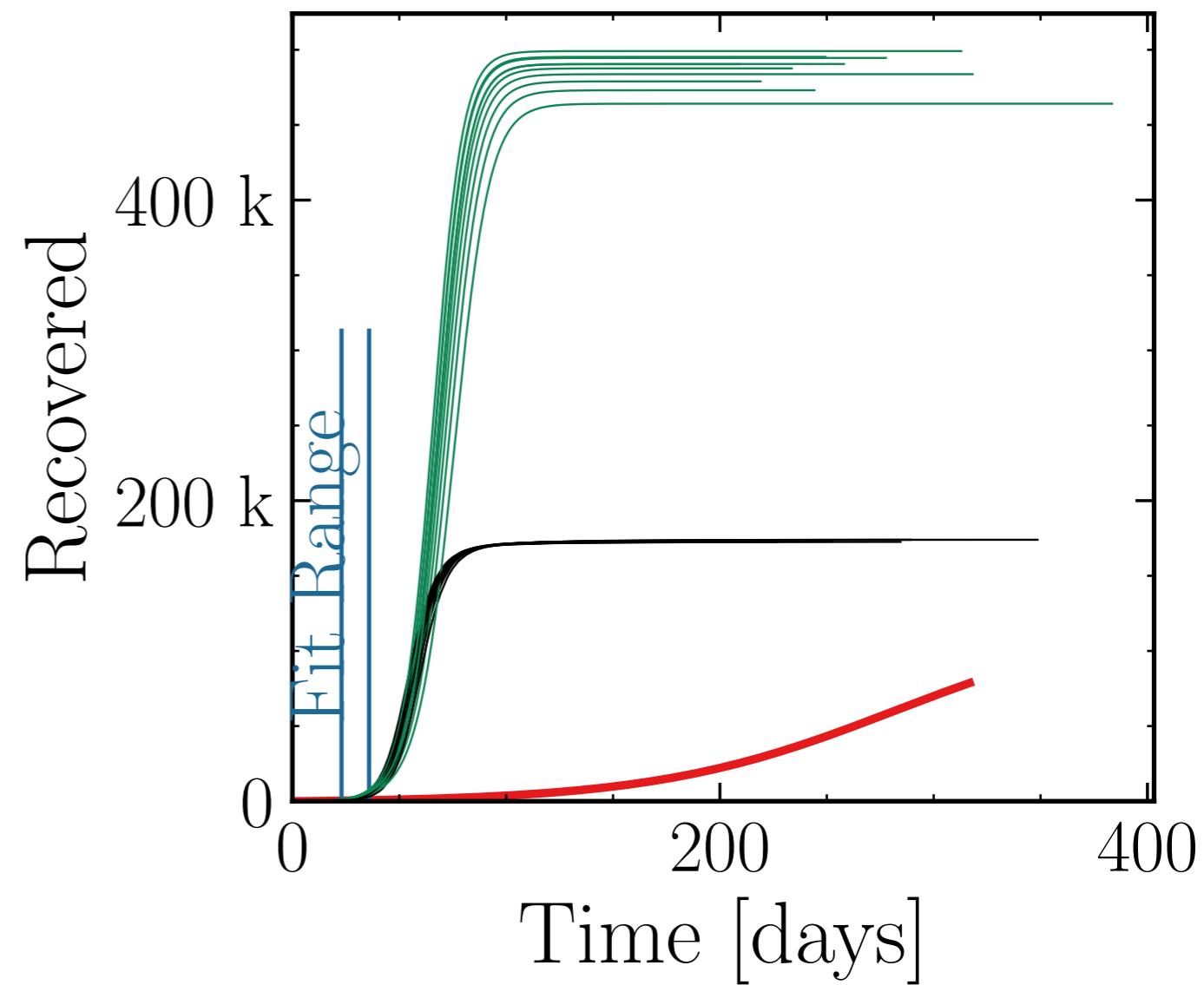
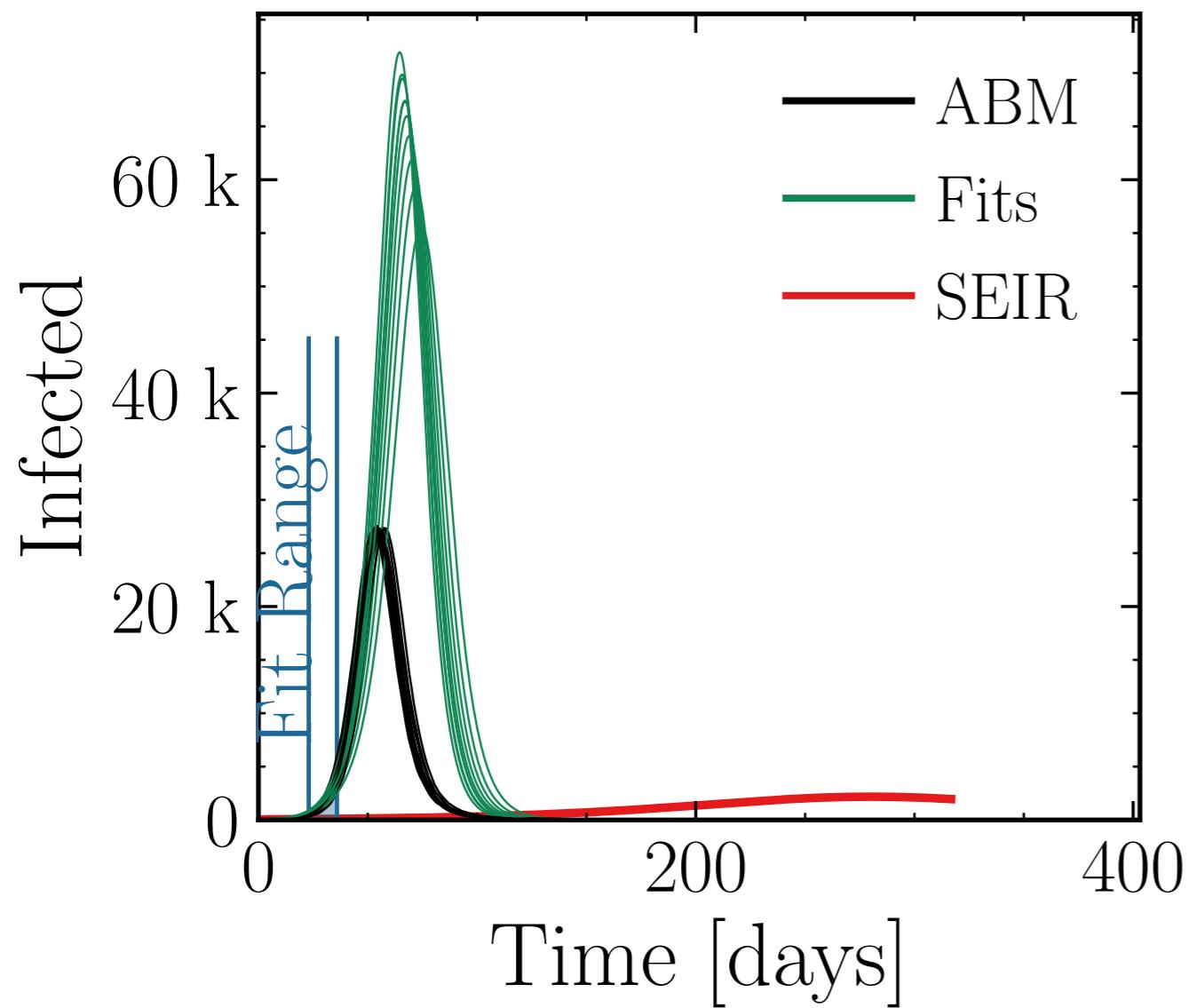
$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

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

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 2.39 \pm 0.057 \quad v. = 1.0, \text{ hash} = \text{f888087774}, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (486 \pm 0.68\%) \cdot 10^3$$

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



$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.007$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$

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

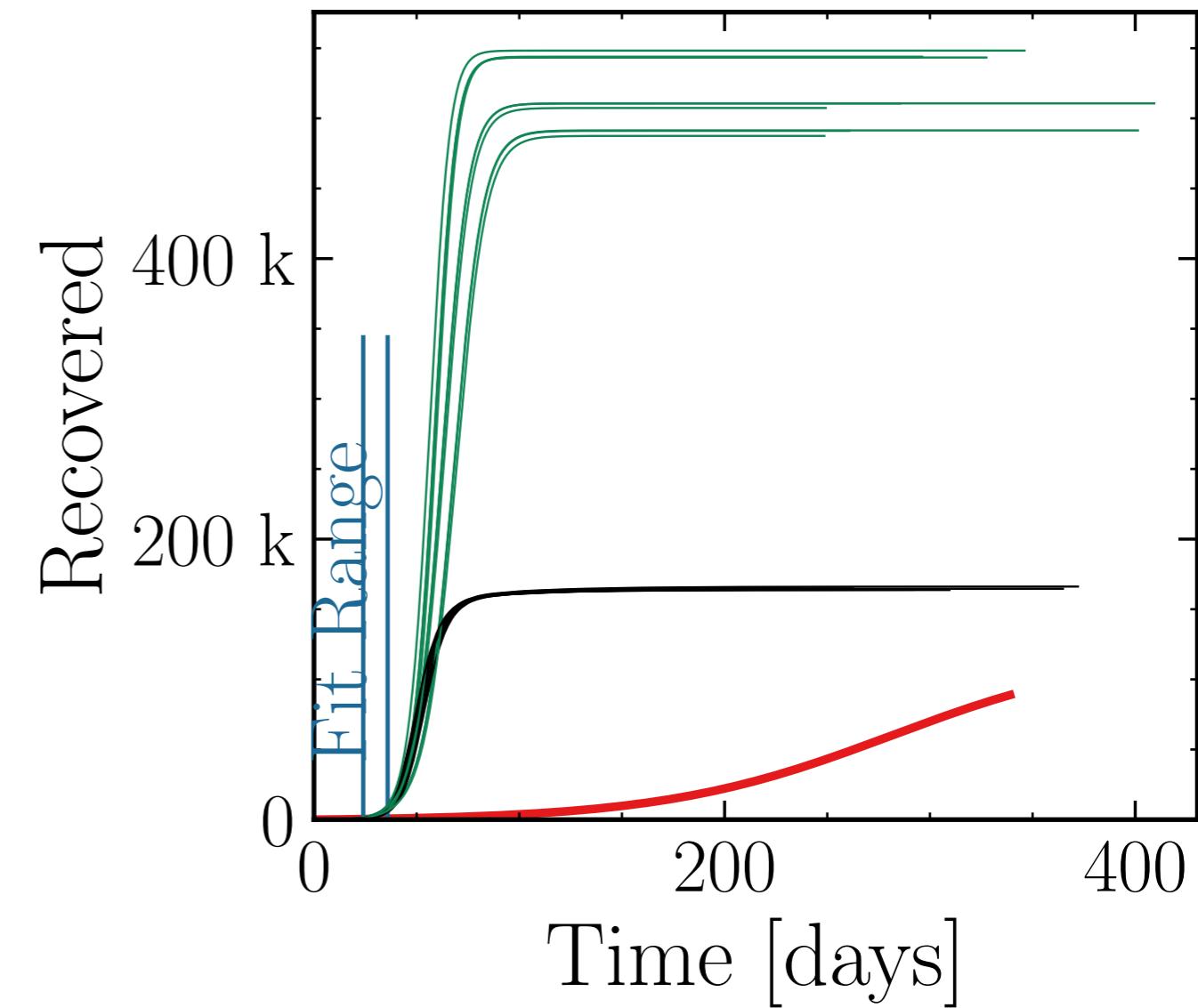
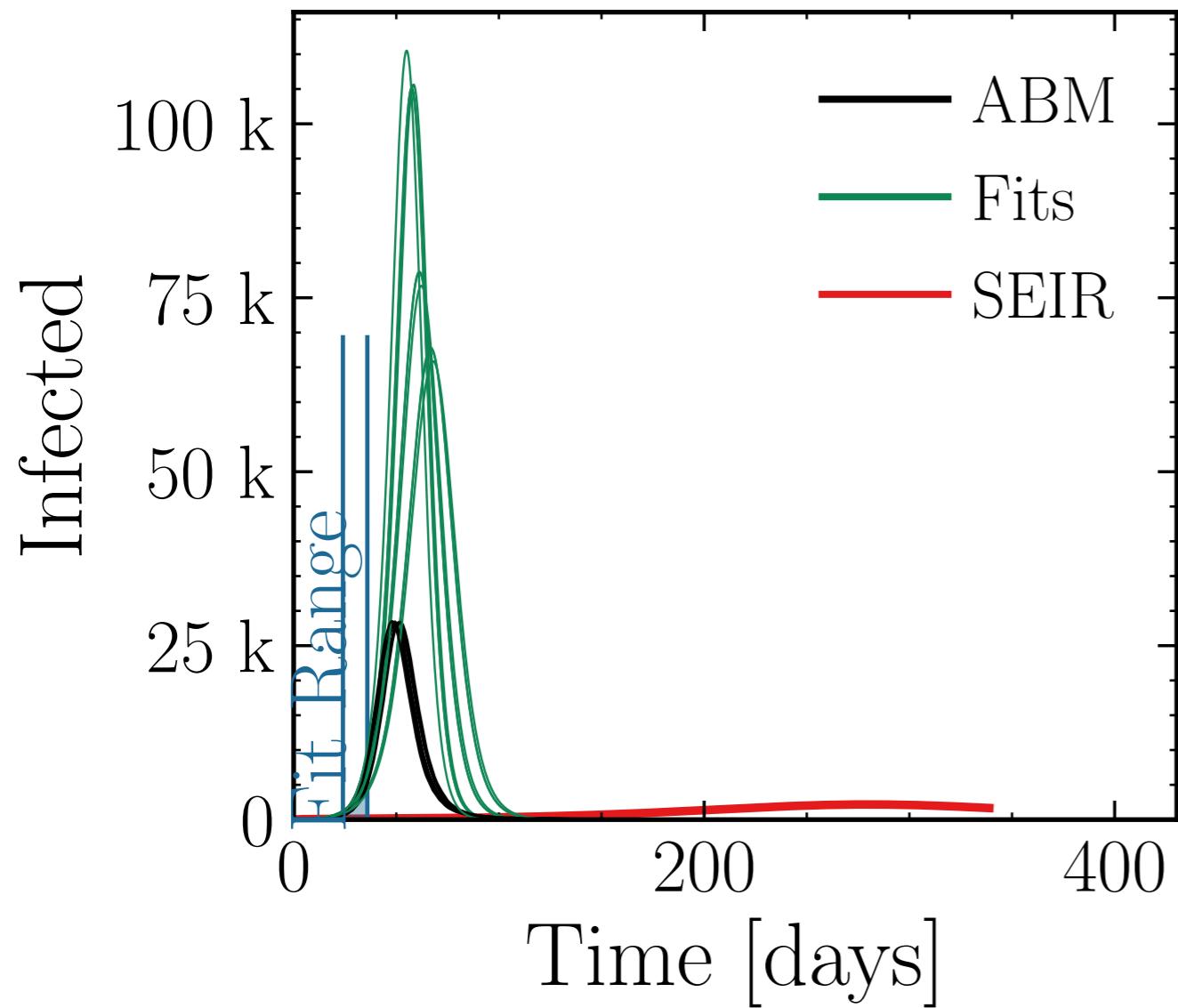
$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β scaling} = 10.0, event_{weekendmultiplier} = 1.0

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

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

$$\text{v.} = 1.0, \text{hash} = 6ed7db9c94\#10, R_{\infty}^{\text{fit}} = (518 \pm 1.4\%) \cdot 10^3$$

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



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

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

$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

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

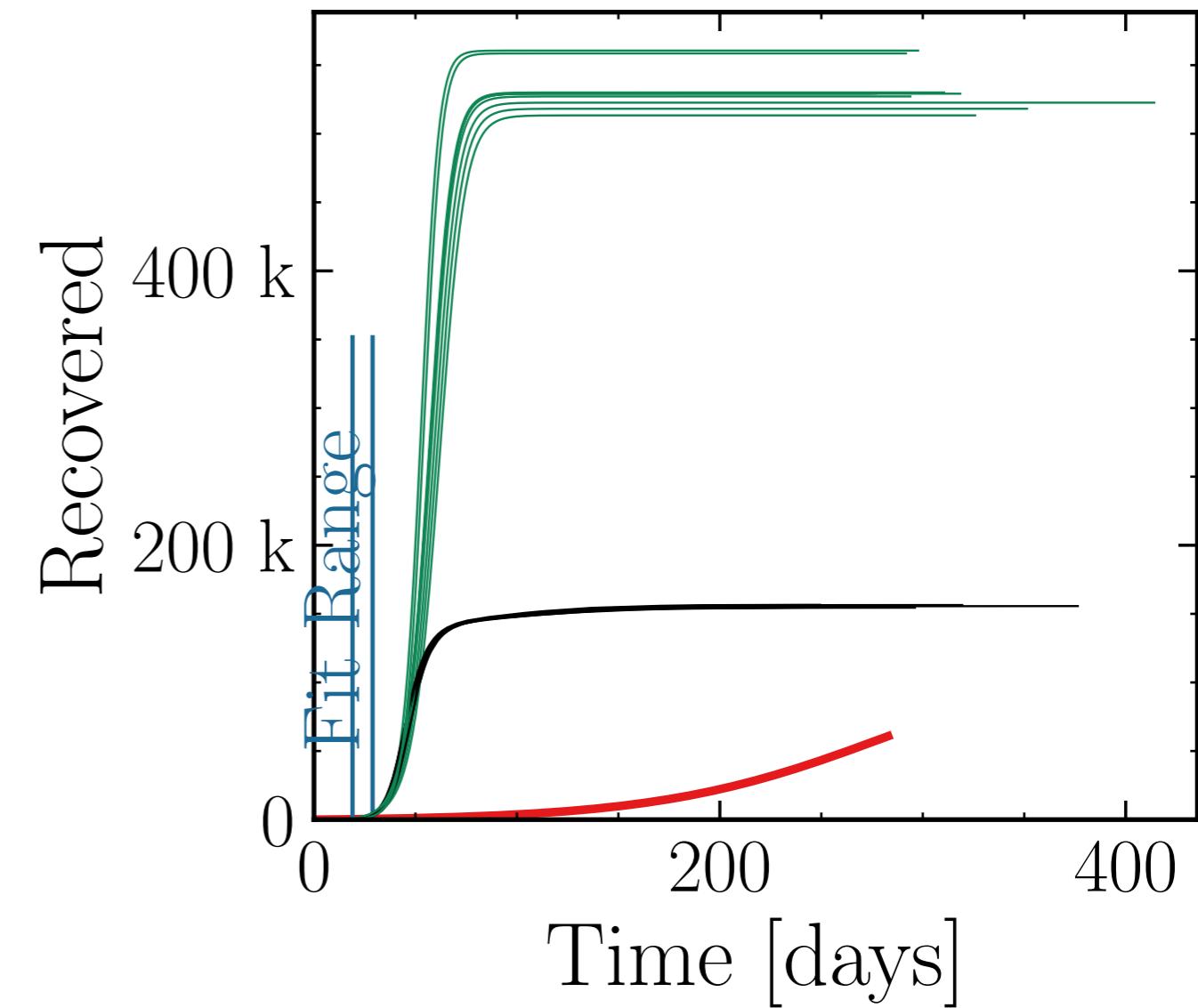
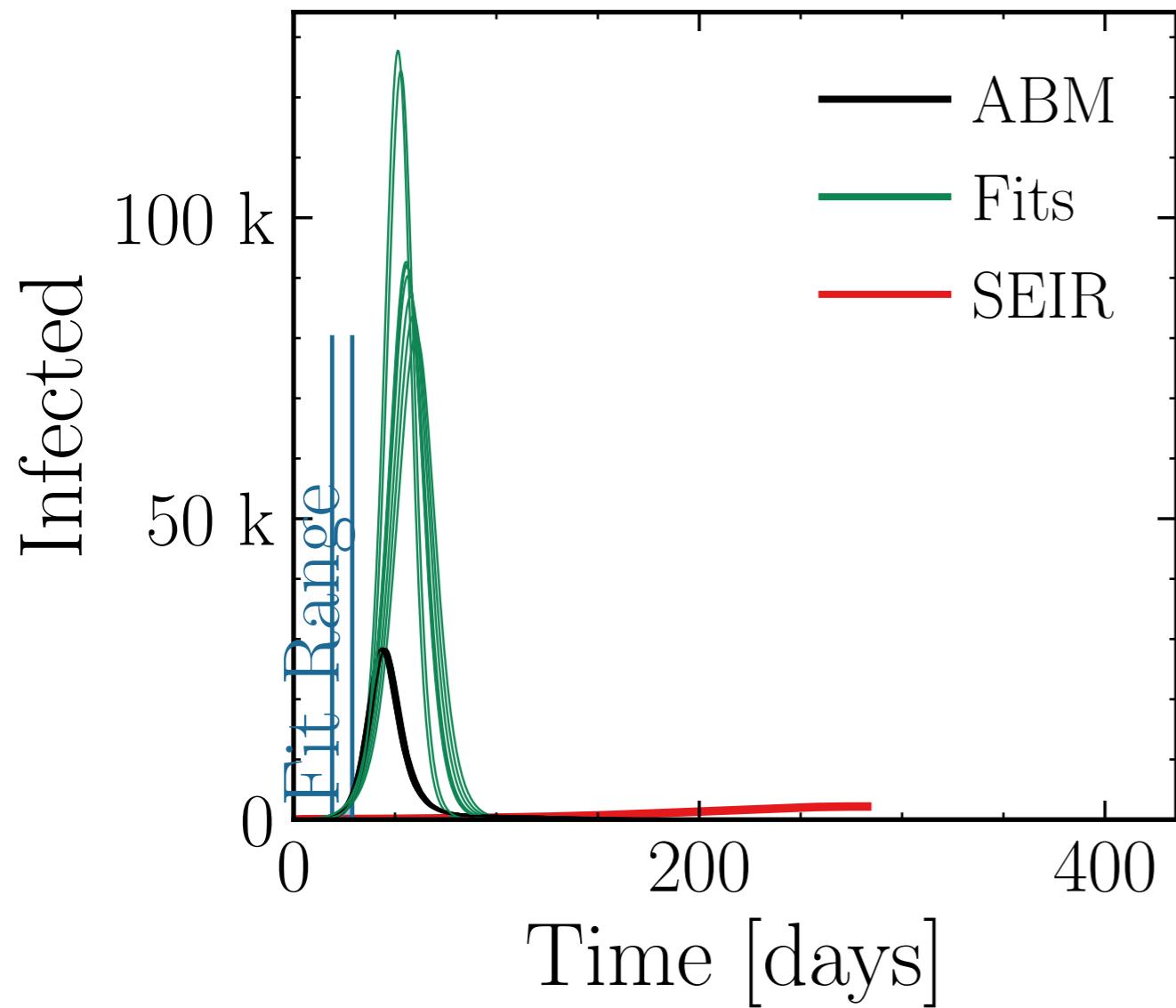
$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 3.4 \pm 0.17$$

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

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

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

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



$N_{\text{tot}} = 580K$, $\rho = 0.2$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.007$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$

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

$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β scaling} = 10.0, event_{weekendmultiplier} = 1.0

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

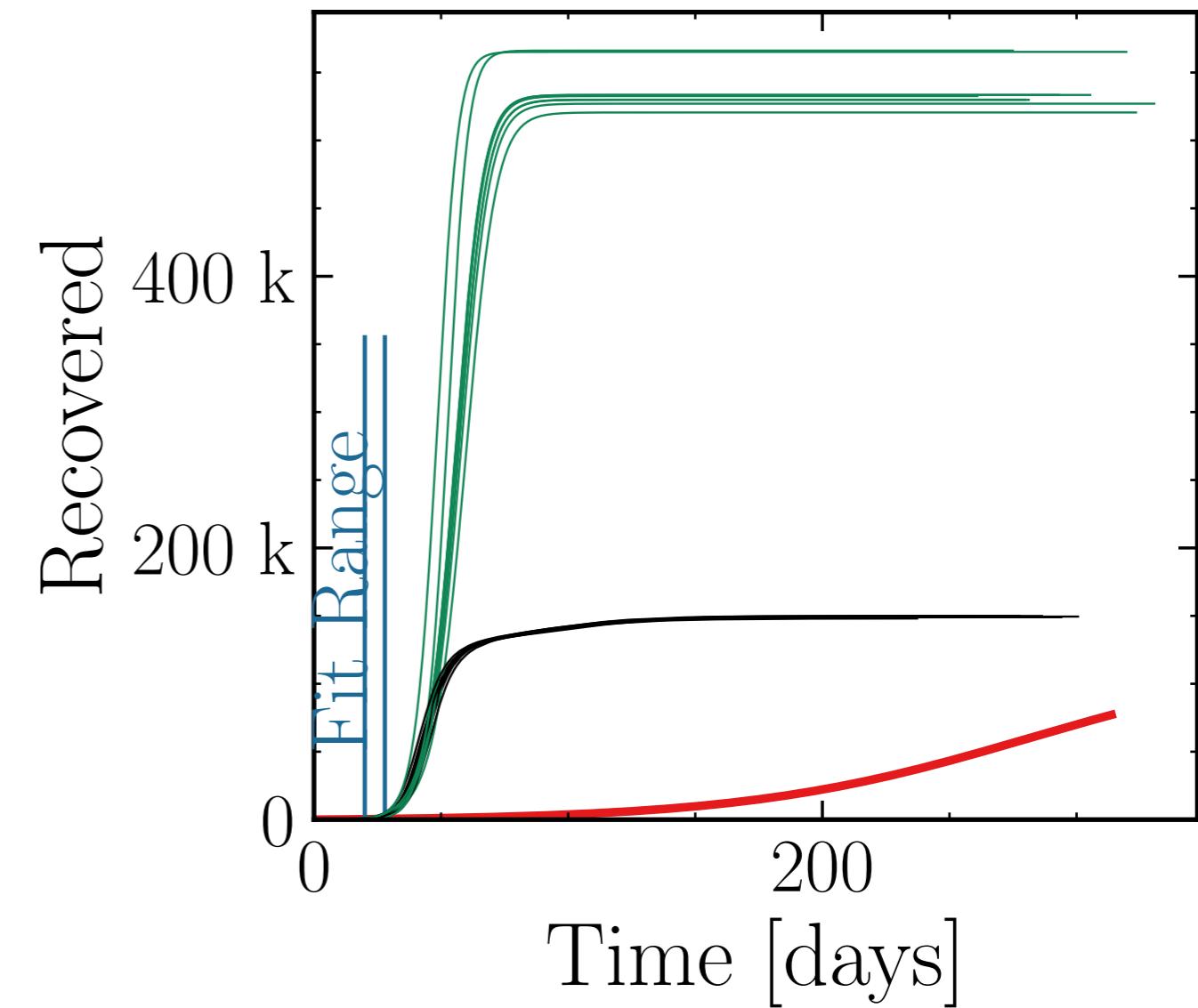
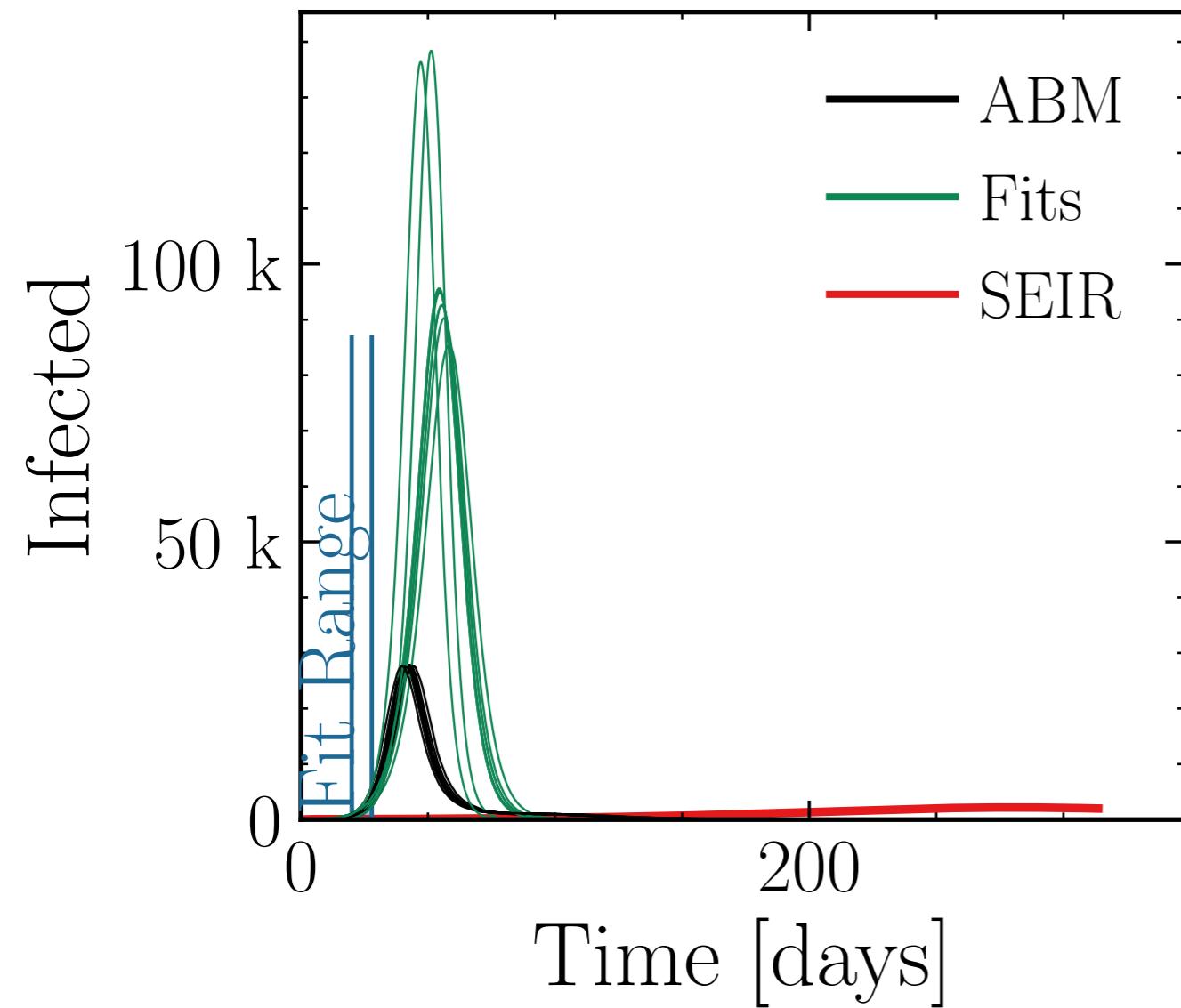
$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 3.7 \pm 0.21$$

$$v. = 1.0$$

$$\text{hash} = 92\text{ecb7b967}$$

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

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



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

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

$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

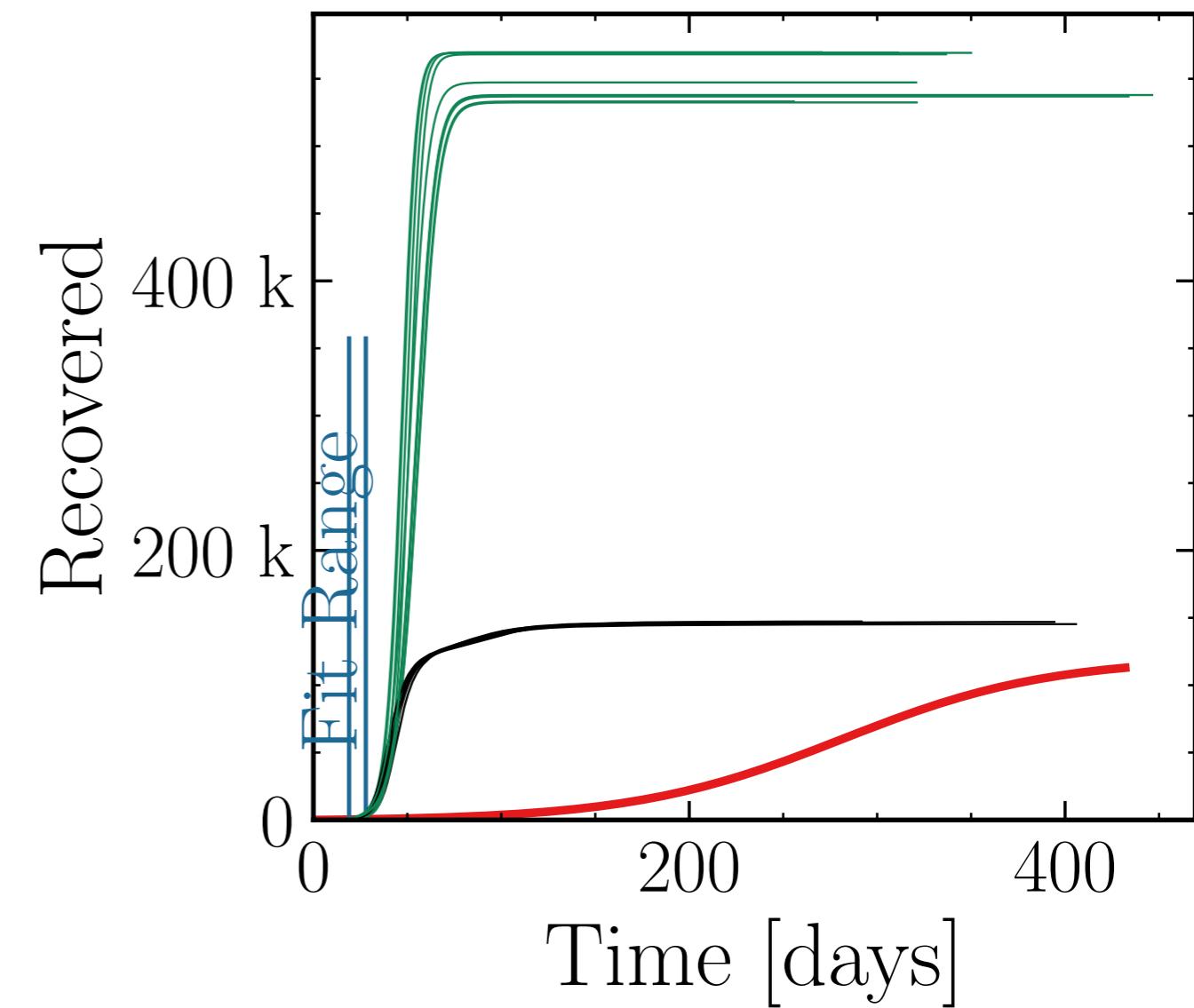
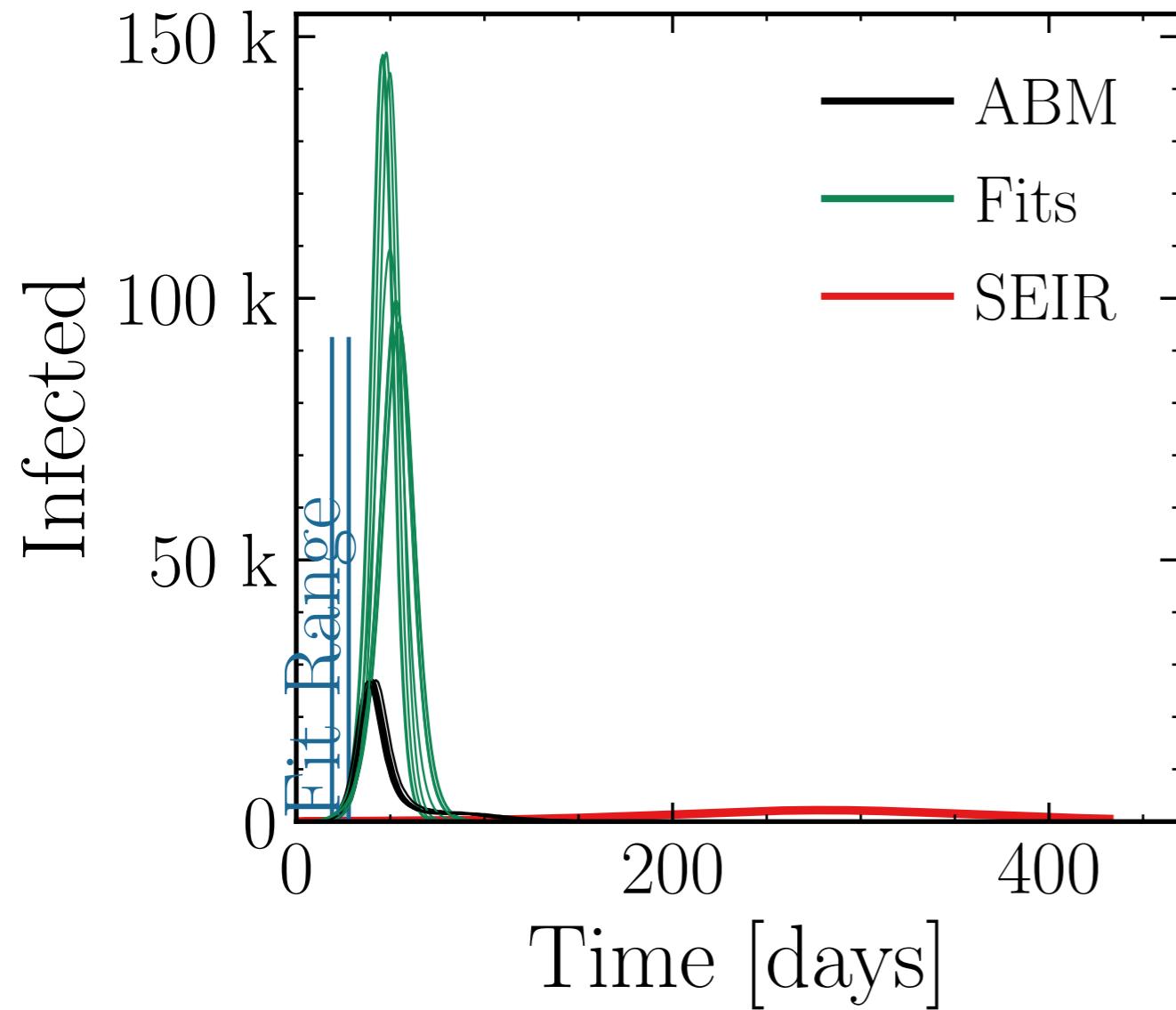
$$I_{\text{max}}^{\text{fit}} = (118 \pm 6.1\%) \cdot 10^3$$

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

$$\text{v.} = 1.0, \text{hash} = \text{f1e7525164}$$

$$R_{\infty}^{\text{fit}} = (550 \pm 0.92\%) \cdot 10^3$$

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



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

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

$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

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

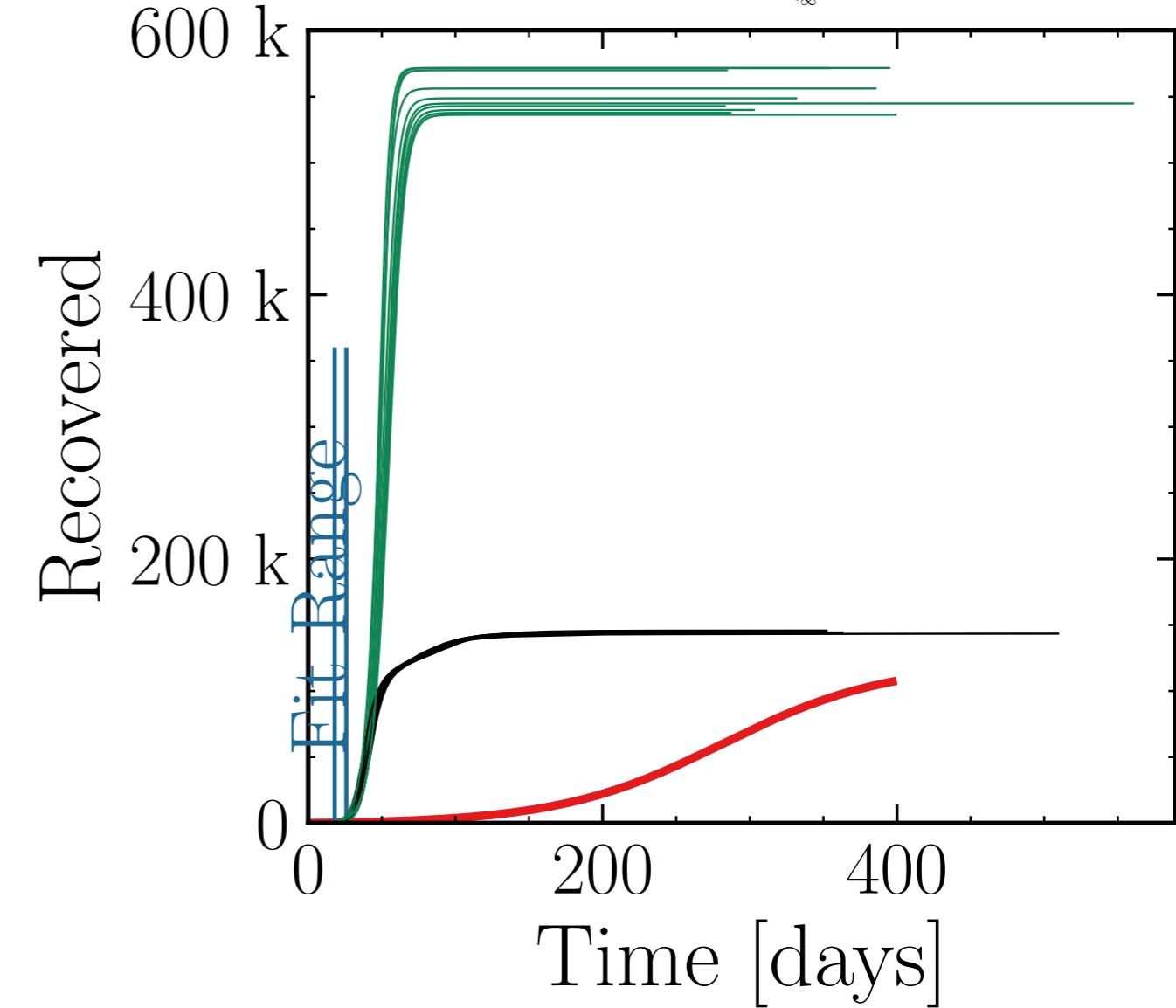
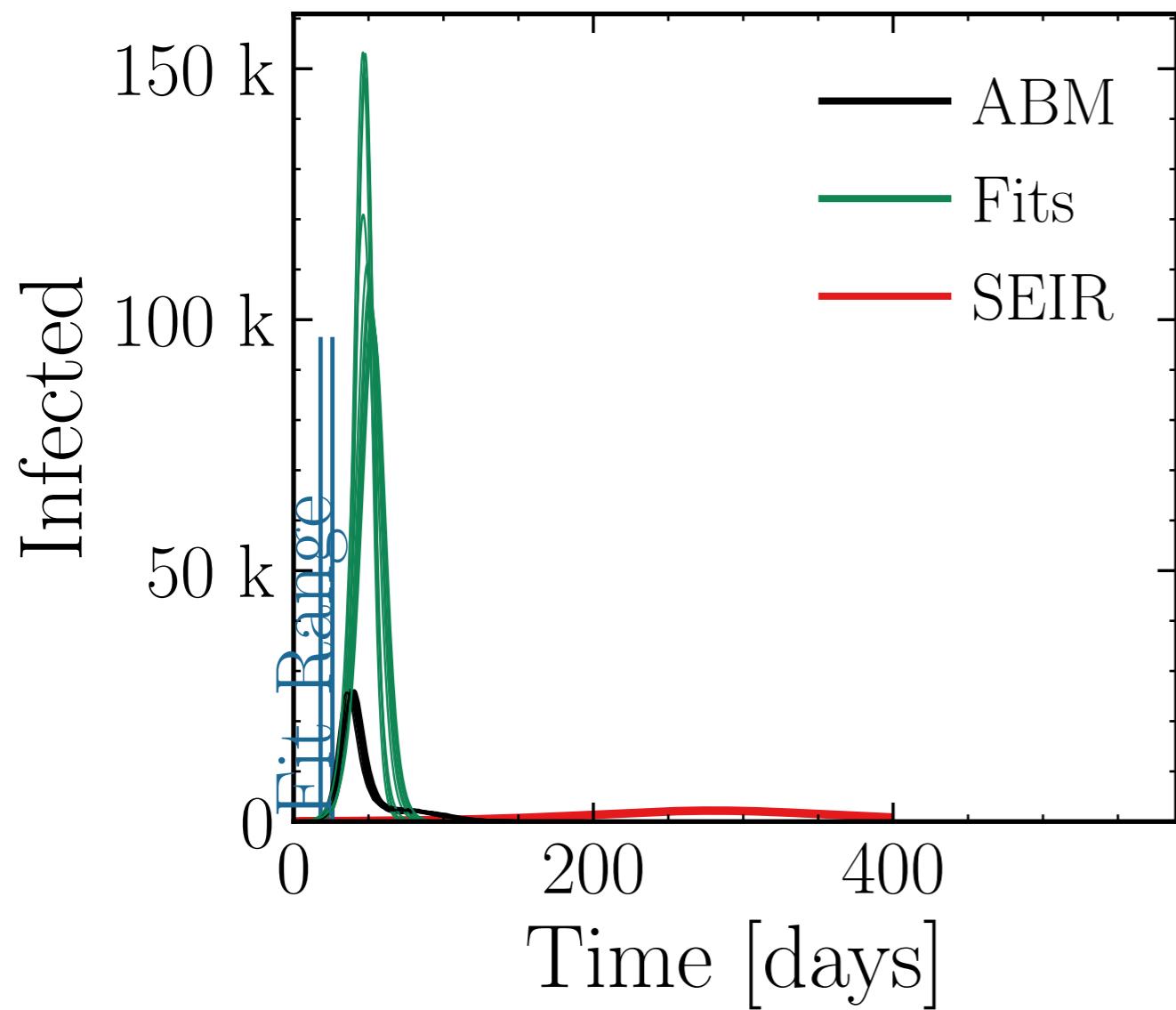
$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 4.6 \pm 0.26$$

$$\text{v.} = 1.0$$

$$\text{hash} = \text{a90494ab67}\#\#10$$

$$R_{\infty}^{\text{fit}} = (552 \pm 0.78\%) \cdot 10^3$$

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



$N_{\text{tot}} = 580K$, $\rho = 0.4$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.007$, $\sigma_\beta = 0.0$, 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_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β scaling} = 10.0, event_{weekendmultiplier} = 1.0

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

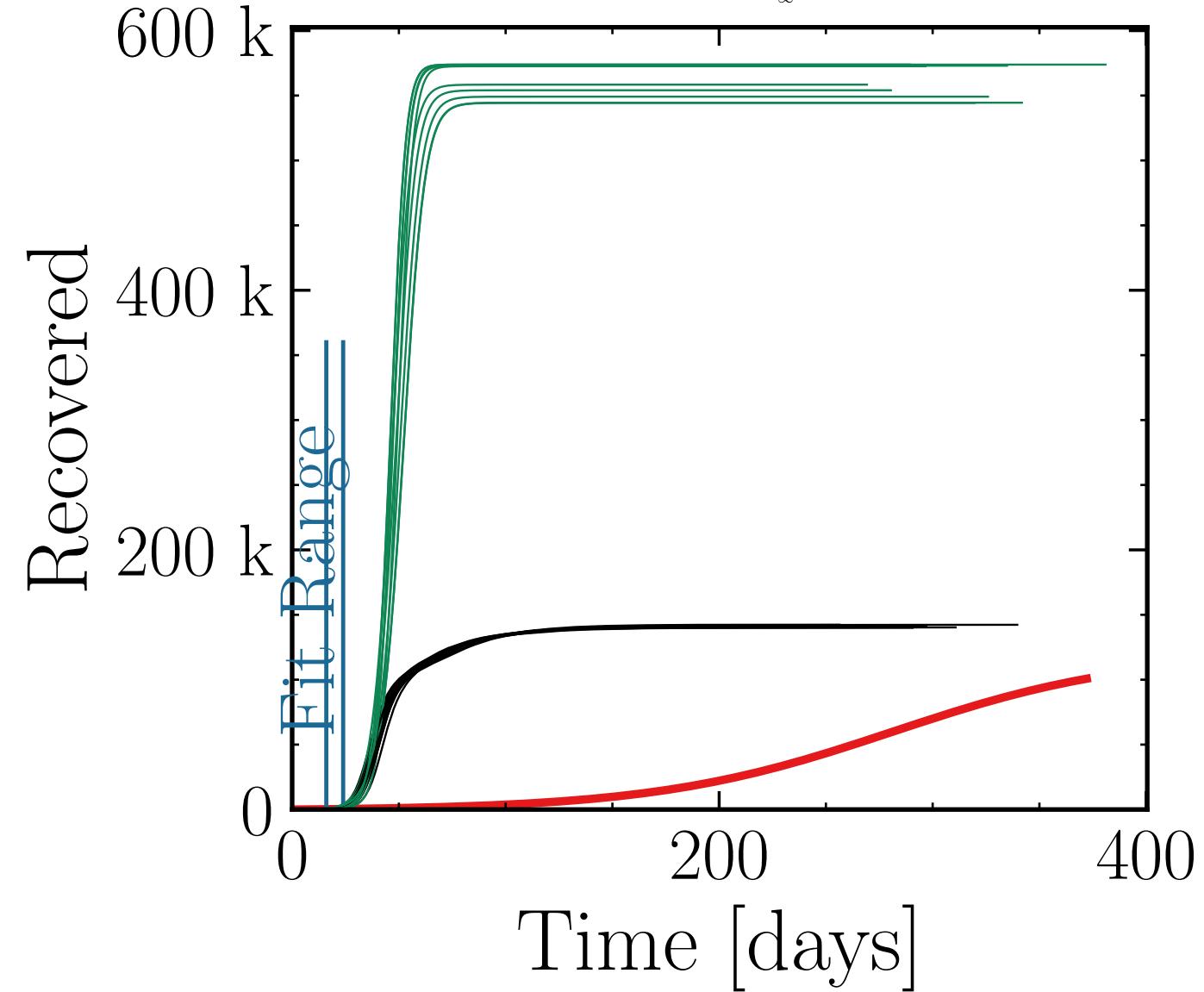
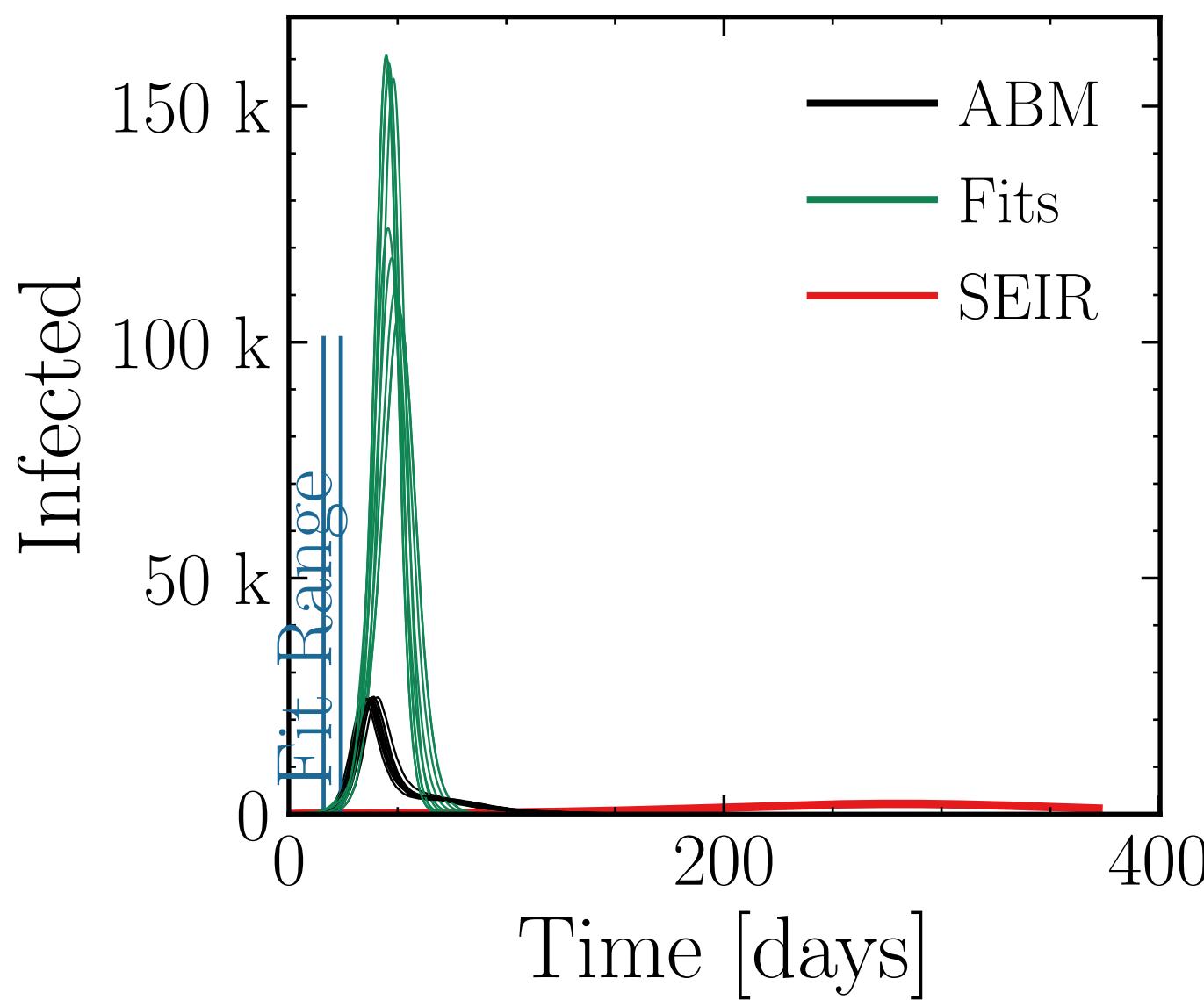
$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 5.5 \pm 0.30$$

$$v. = 1.0$$

$$\text{hash} = \text{c735d7ac98}, \#10$$

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

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



$N_{\text{tot}} = 580K$, $\rho = 0.5$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.007$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$

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

$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

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

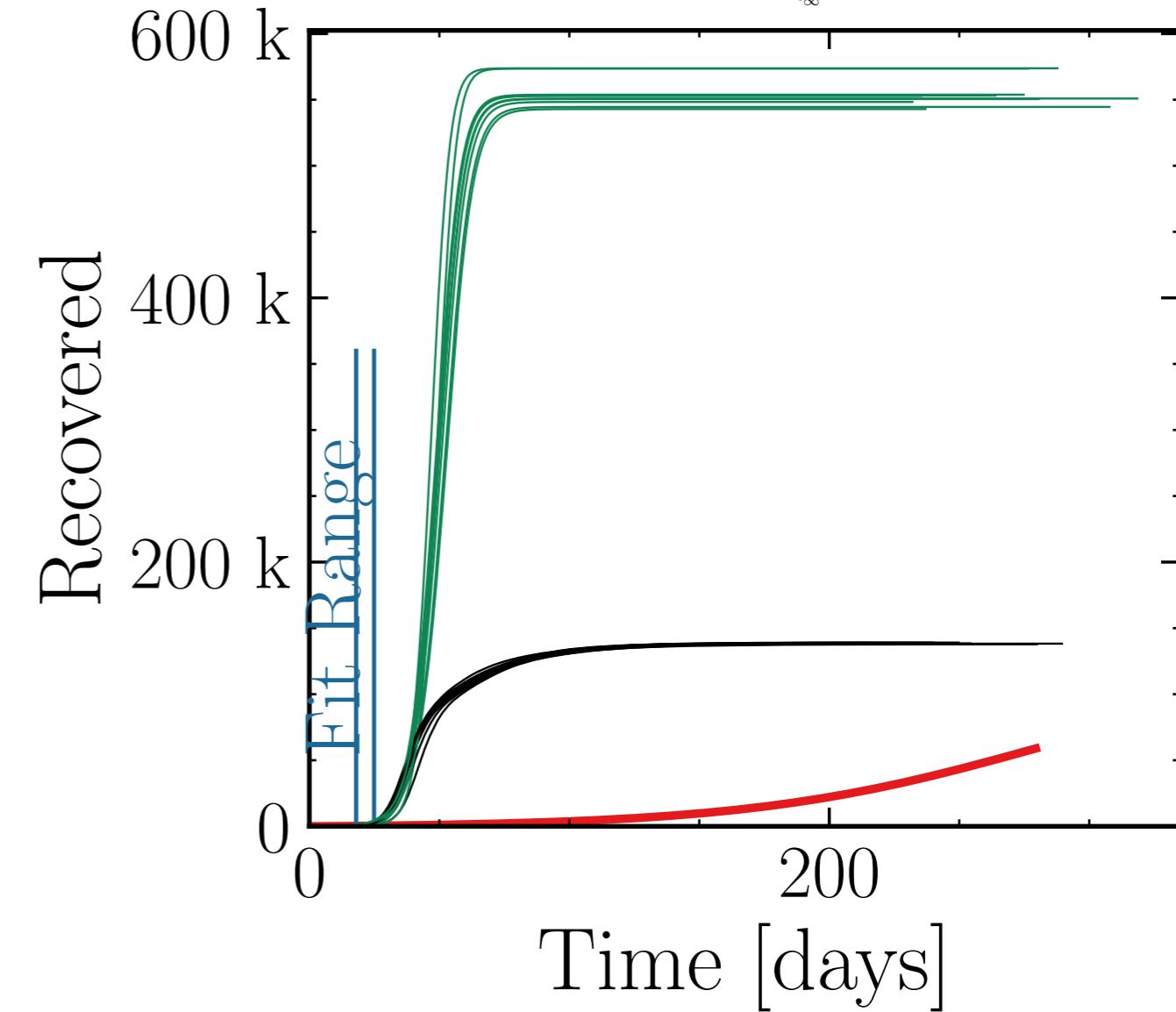
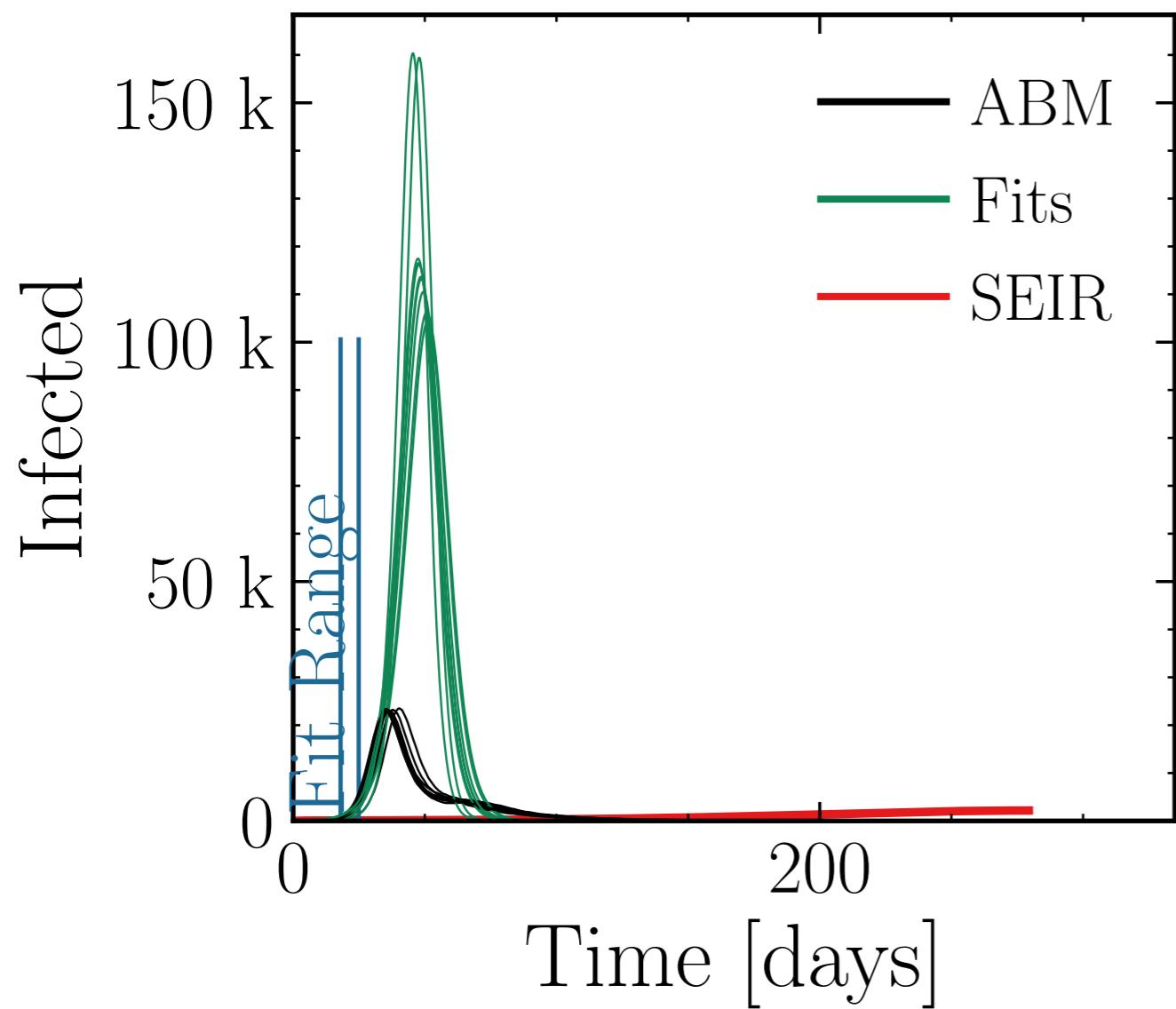
$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 5.2 \pm 0.26$$

$$v. = 1.0$$

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

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

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



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

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

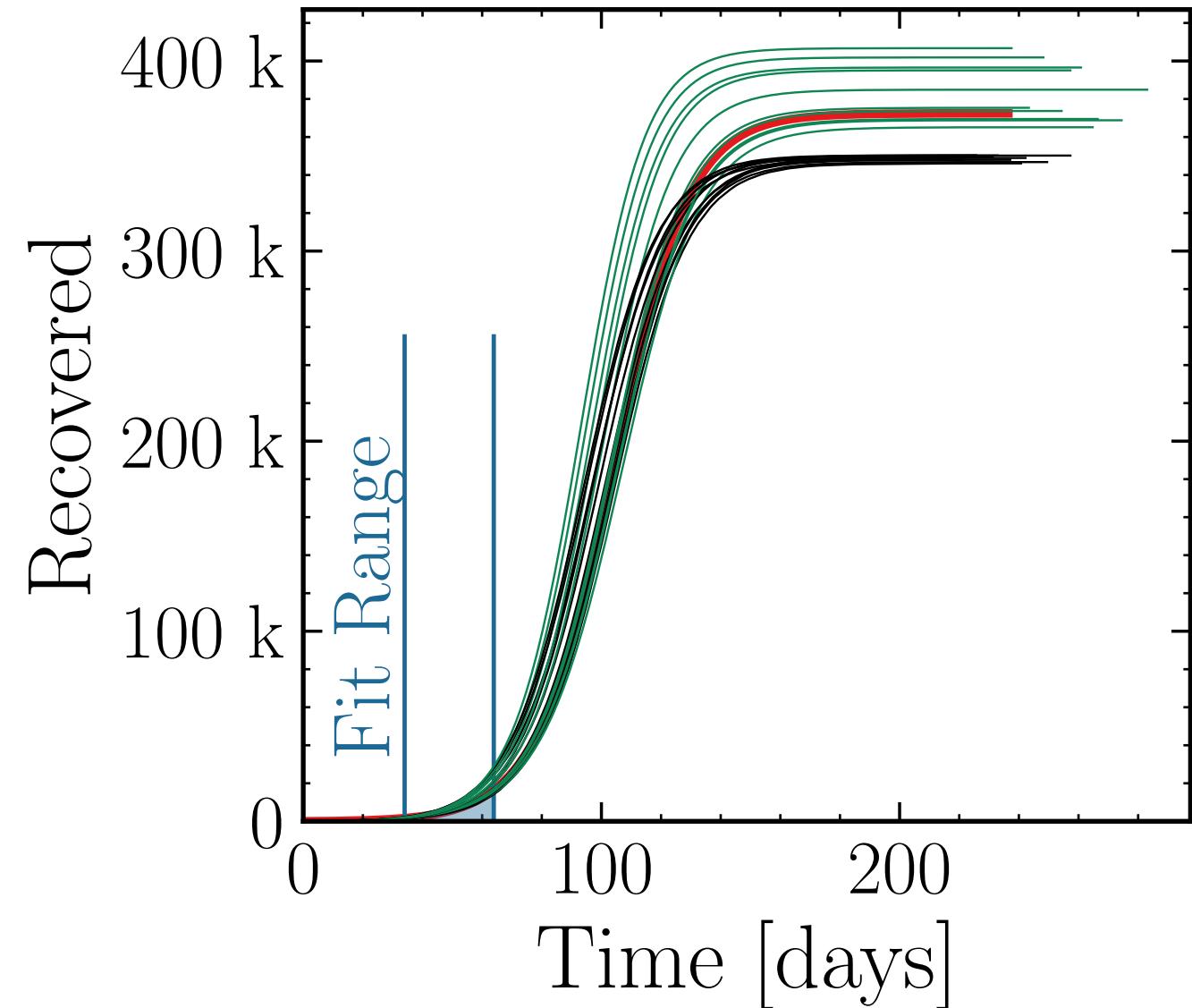
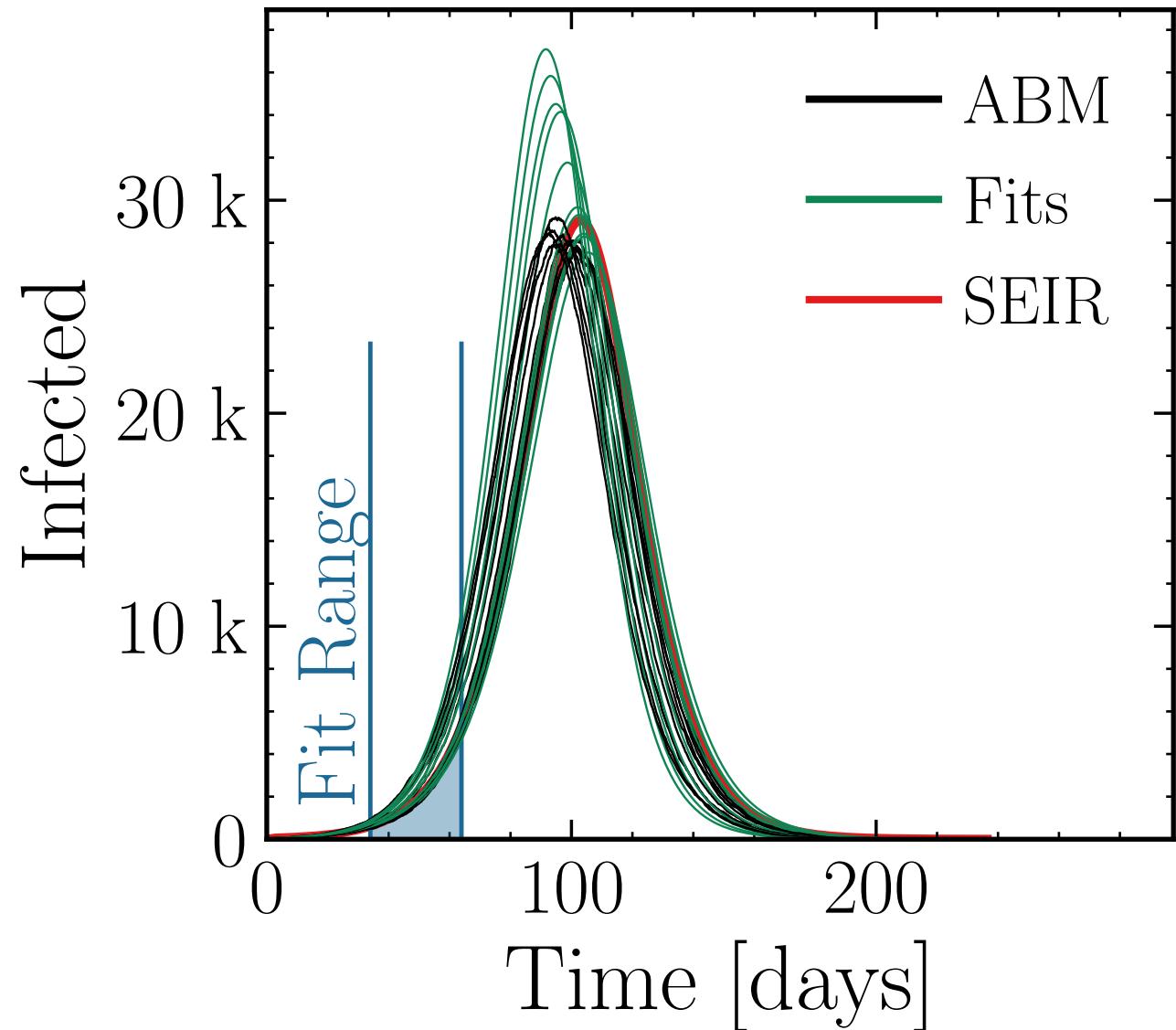
$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

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

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

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

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



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

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

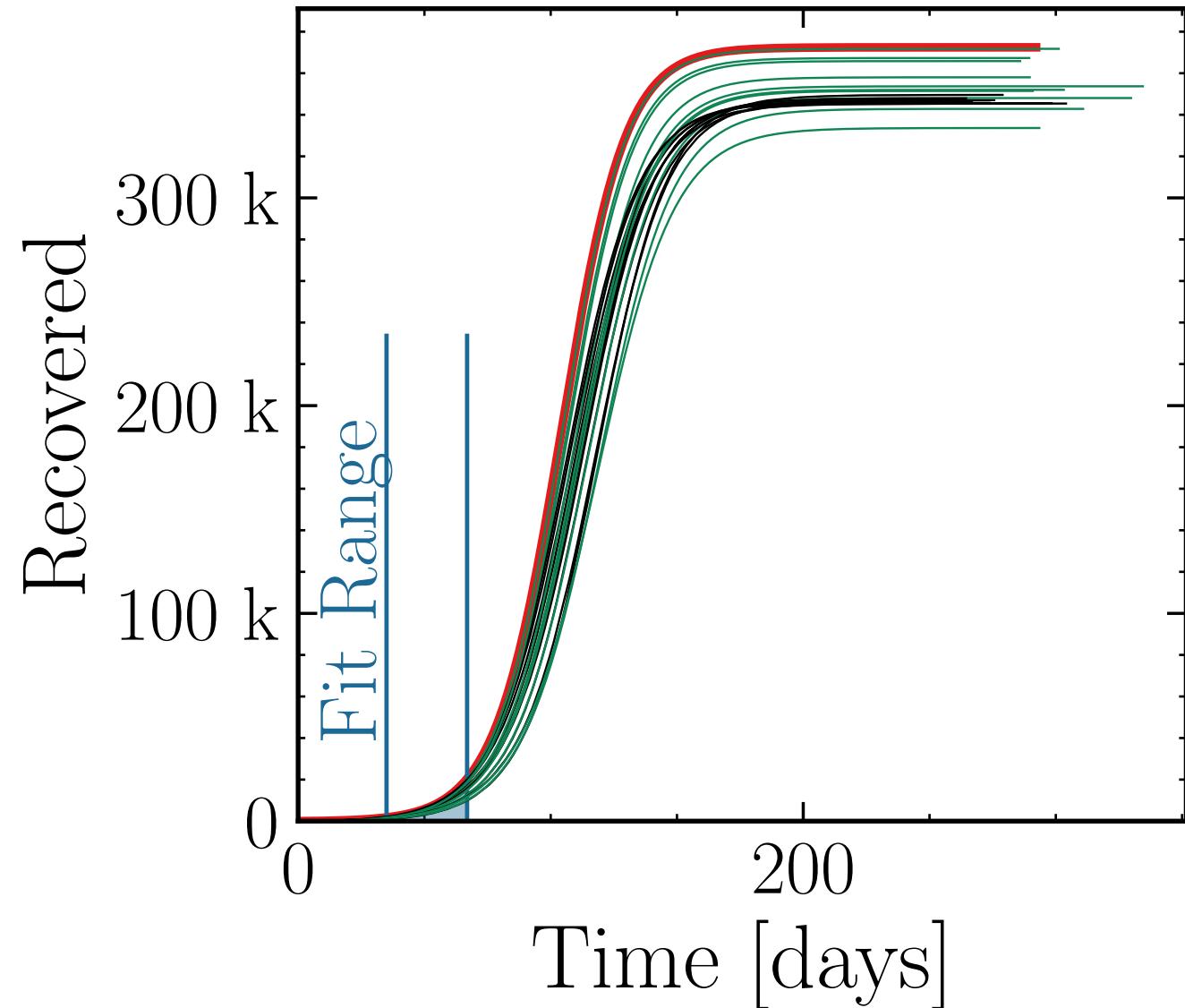
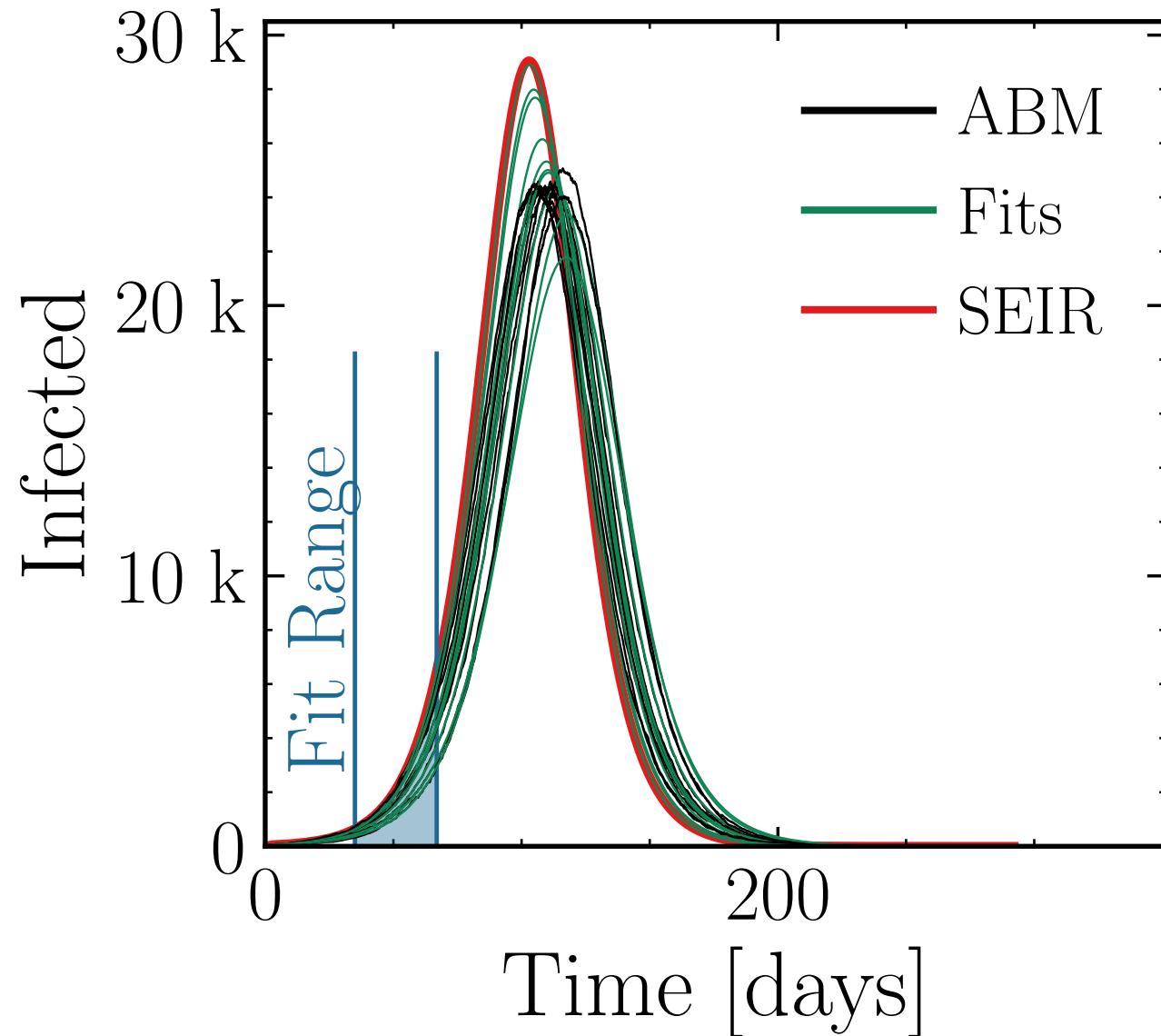
$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

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

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1.05 \pm 0.027 \quad v. = 1.0, \text{ hash} = 95f8c4f0d6 \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (354 \pm 0.99\%) \cdot 10^3$$

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



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

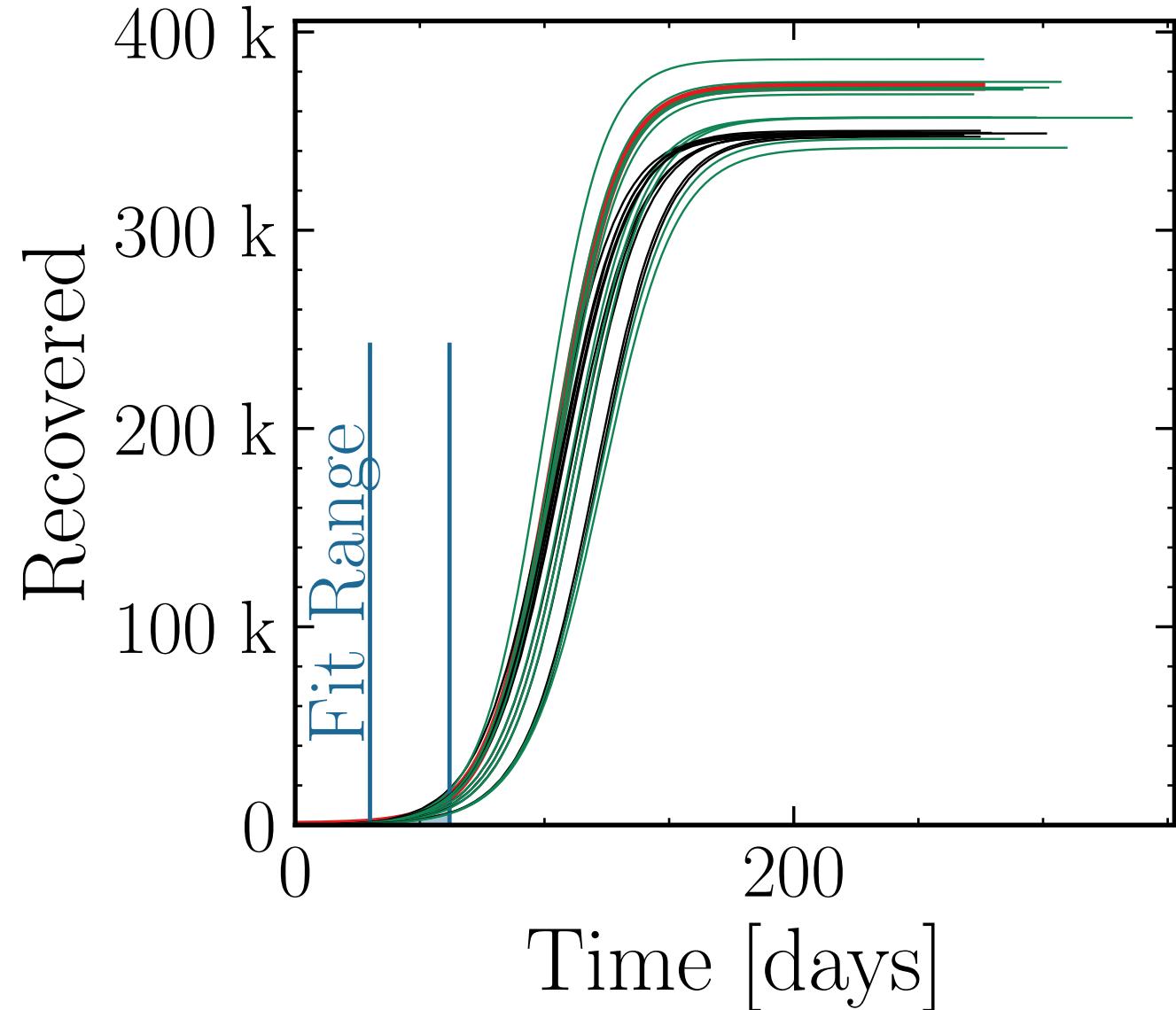
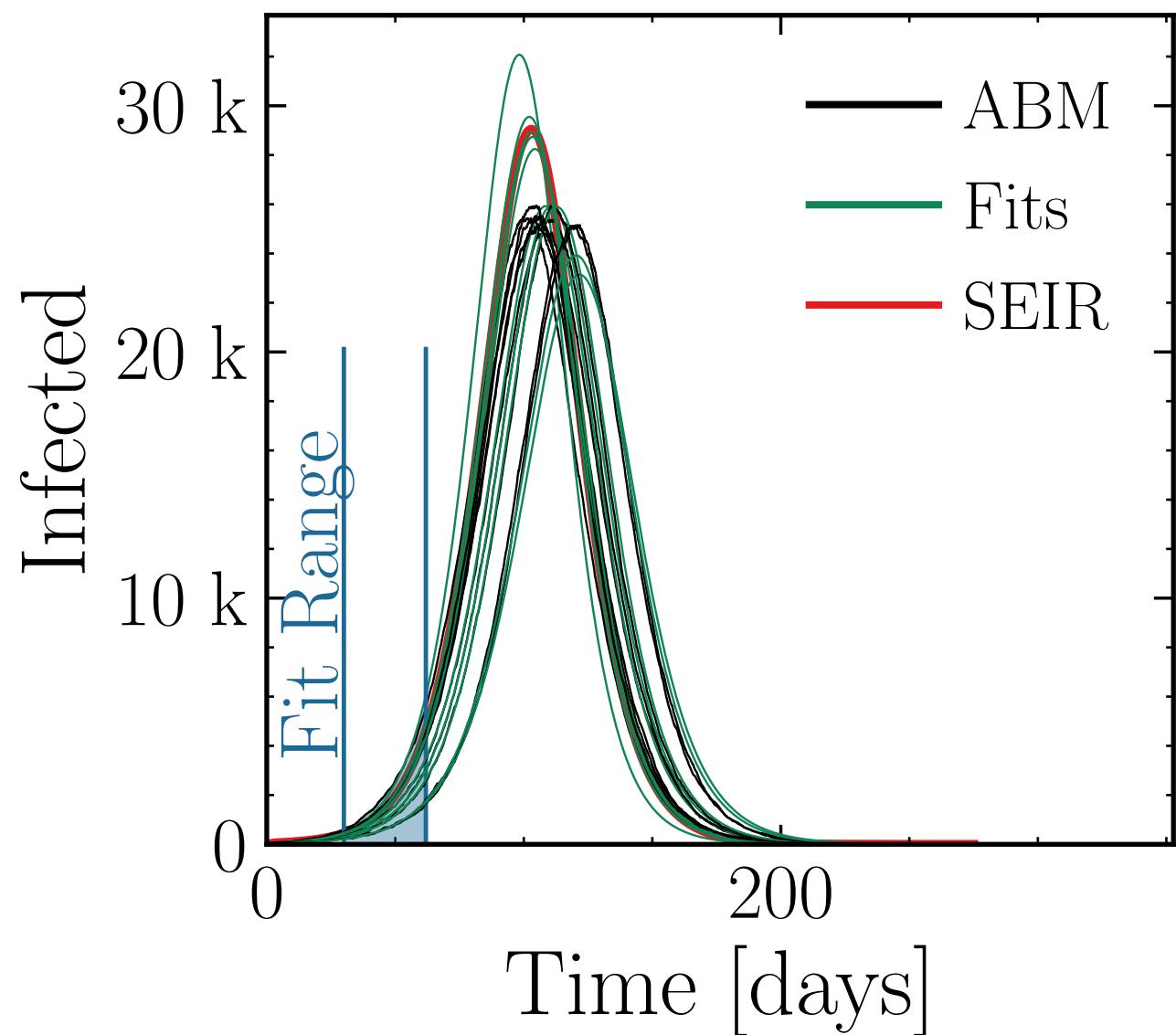
$\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

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

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{ABM}}^{\text{max}}} = 1.07 \pm 0.031 \quad v. = 1.0, \text{ hash} = 8d72235ccf \#10$$

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



$N_{\text{tot}} = 580K$, $\rho = 0.015$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 1.0$, 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_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

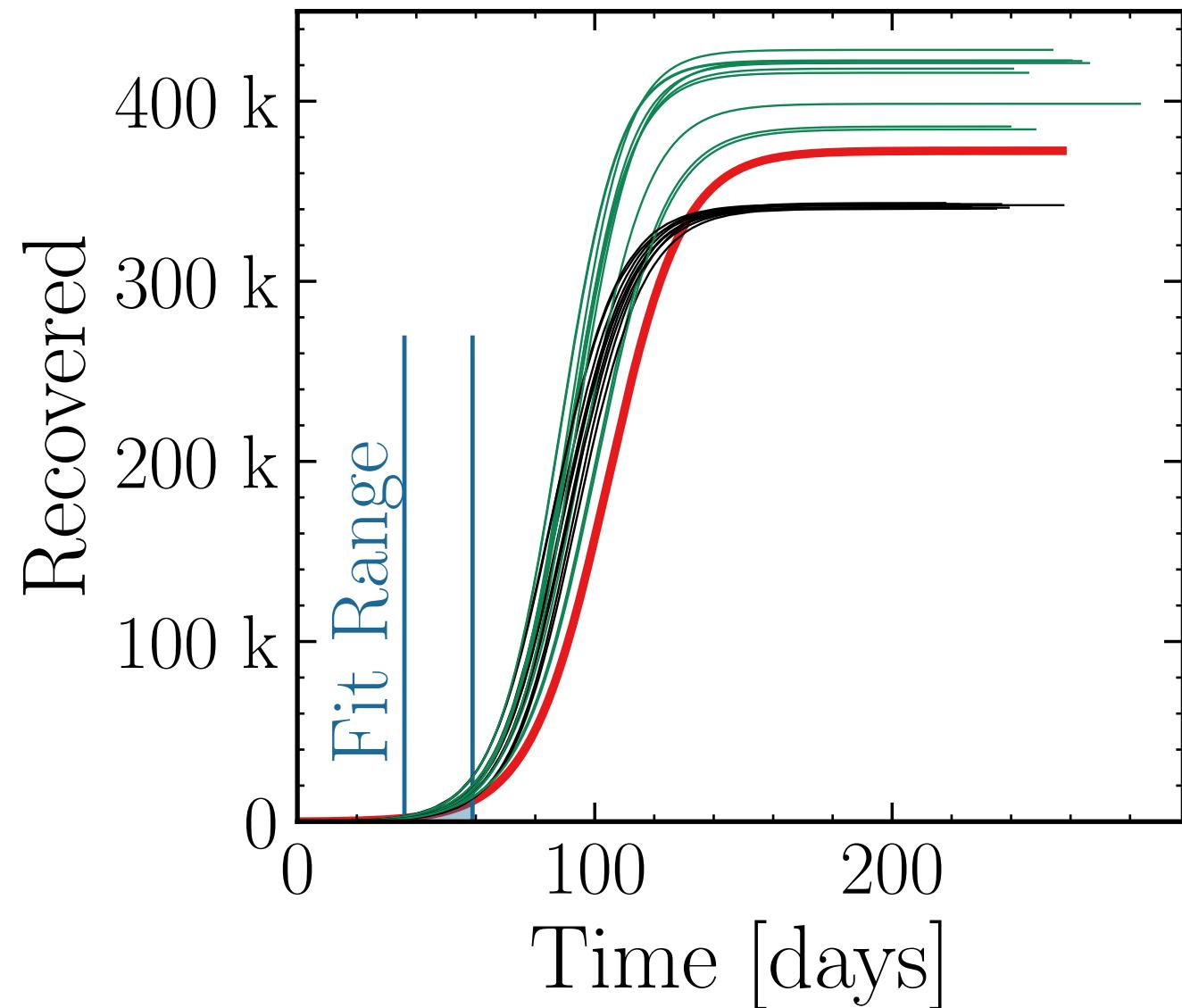
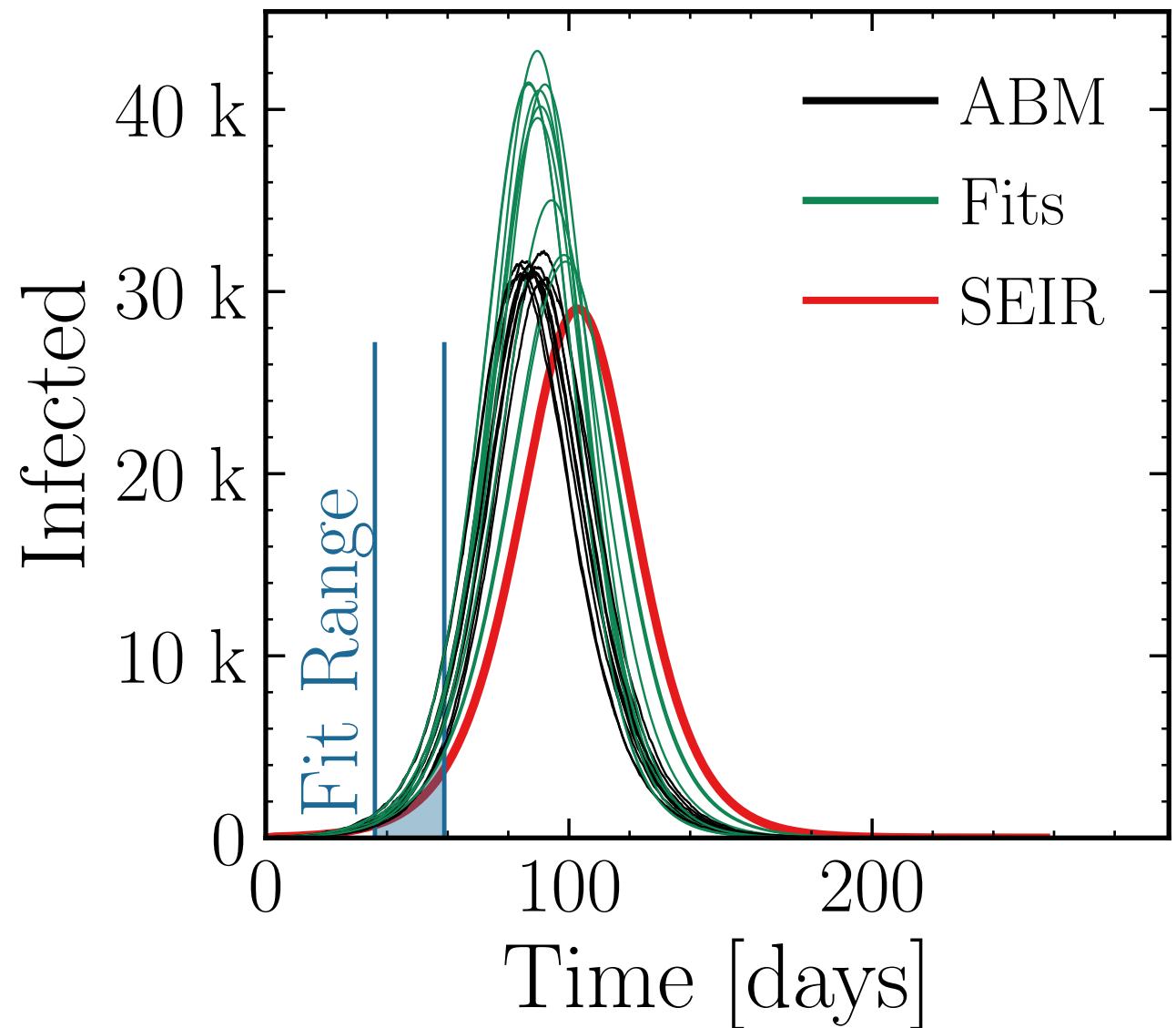
$$I_{\text{max}}^{\text{fit}} = (39 \pm 3.3\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{ABM}}^{\text{max}}} = 1.24 \pm 0.042$$

$$\text{v.} = 1.0, \text{hash} = \text{faf305d13b}\#10$$

$$R_{\infty}^{\text{fit}} \#(412 \pm 1.2\%) \cdot 10^3$$

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



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

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

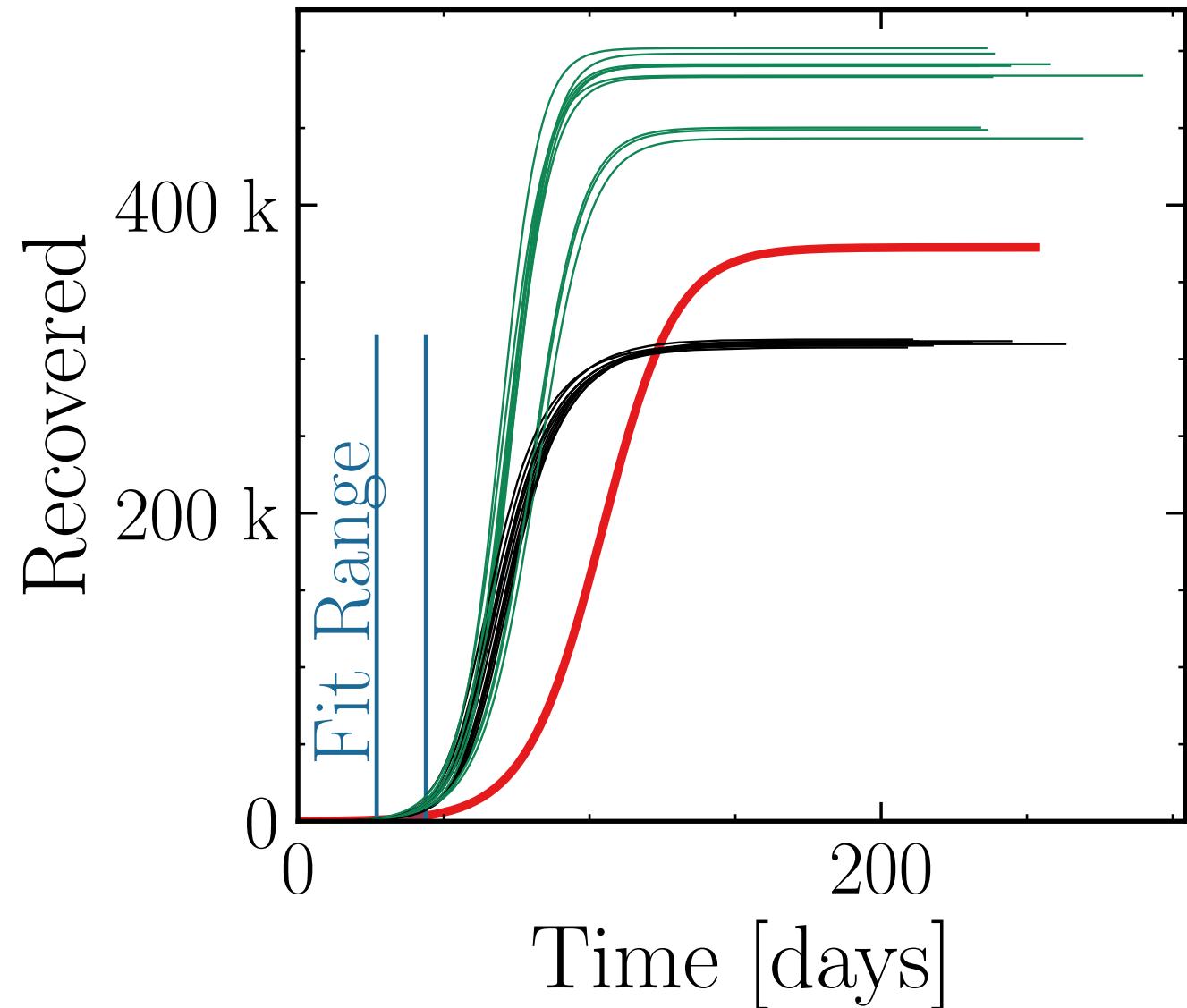
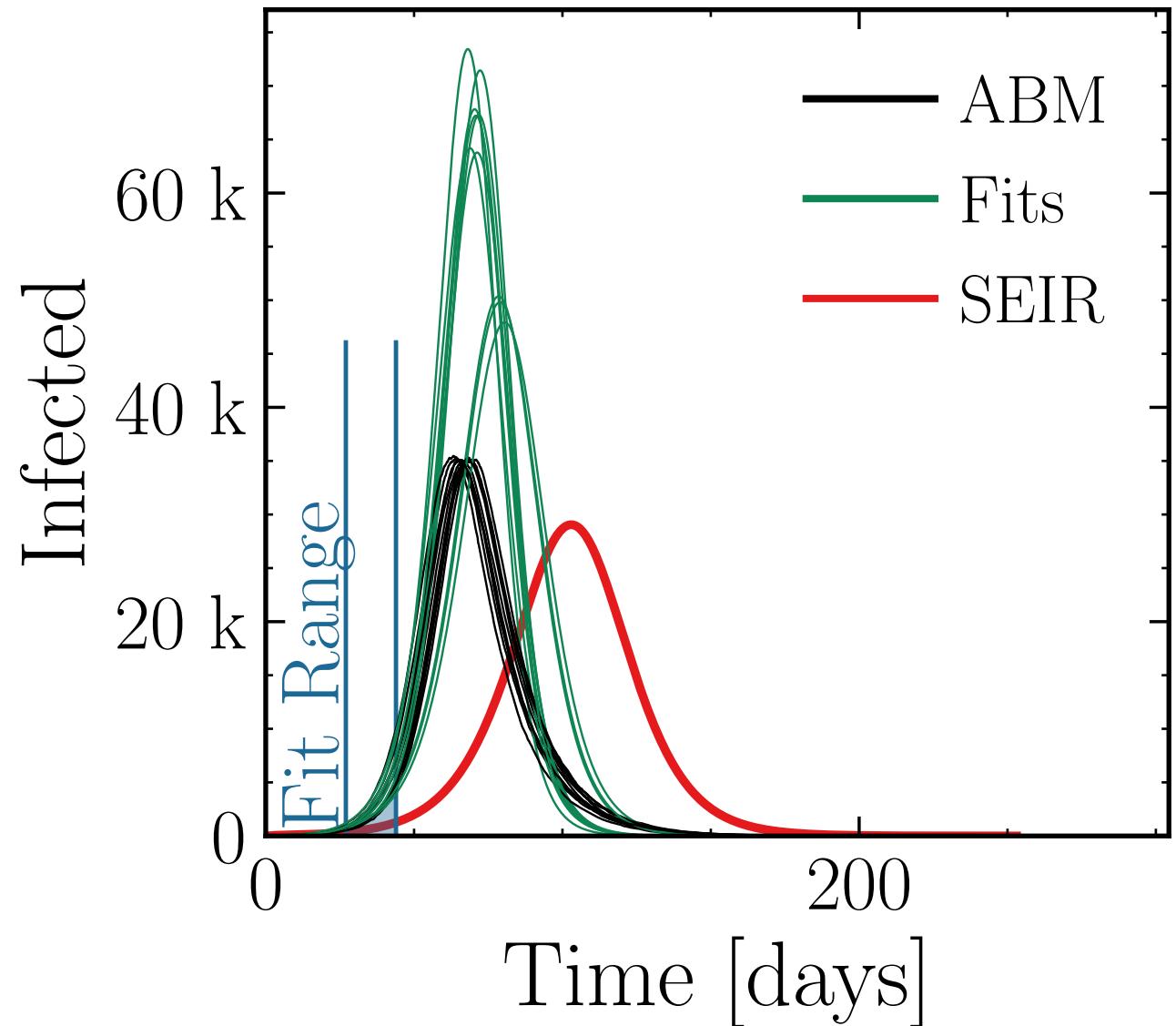
$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

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

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{ABM}}^{\text{ABM}}} = 1.78 \pm 0.080 \quad v. = 1.0, \text{hash} = 44766e03c9 \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (478 \pm 1.4\%) \cdot 10^3$$

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



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

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

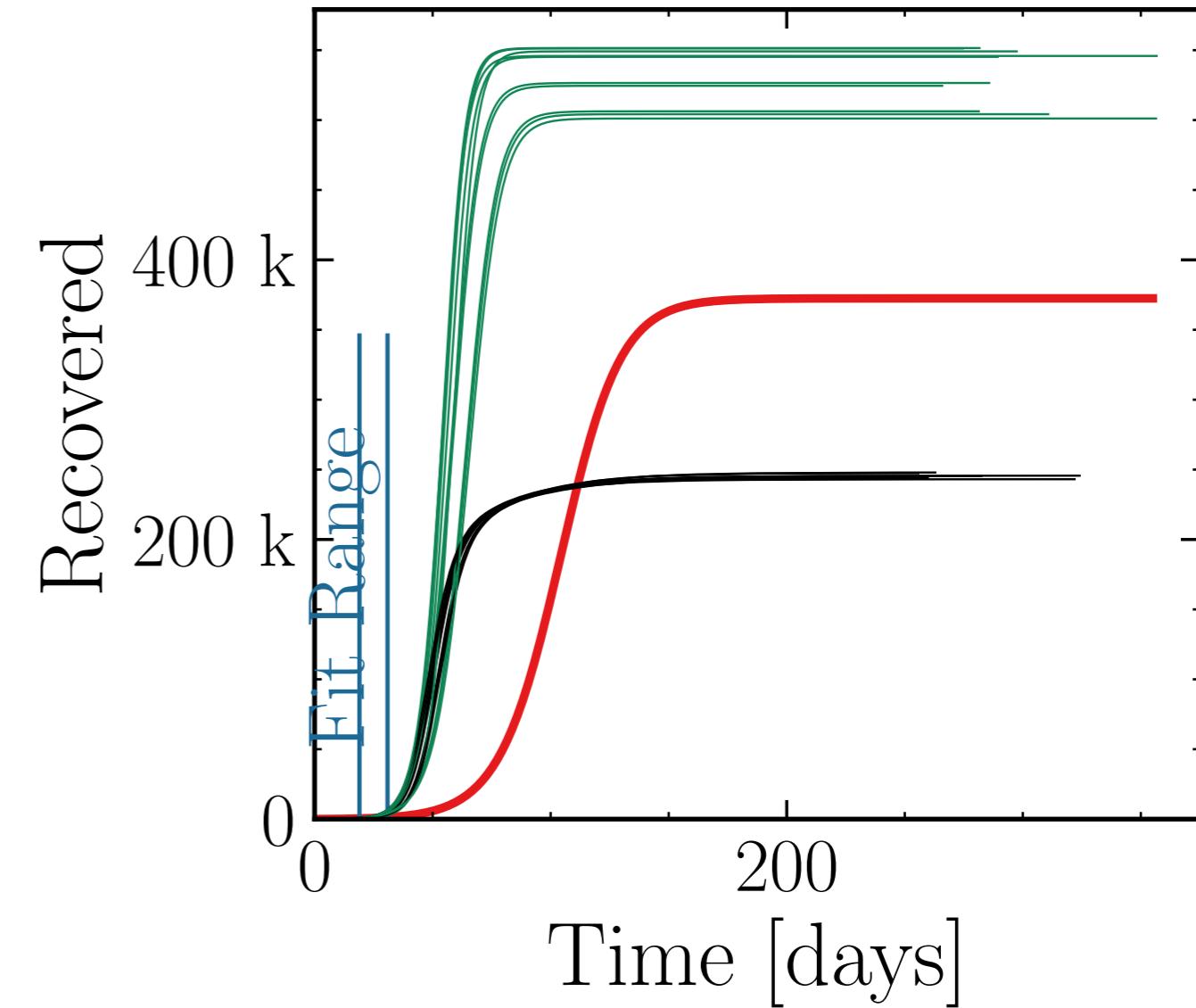
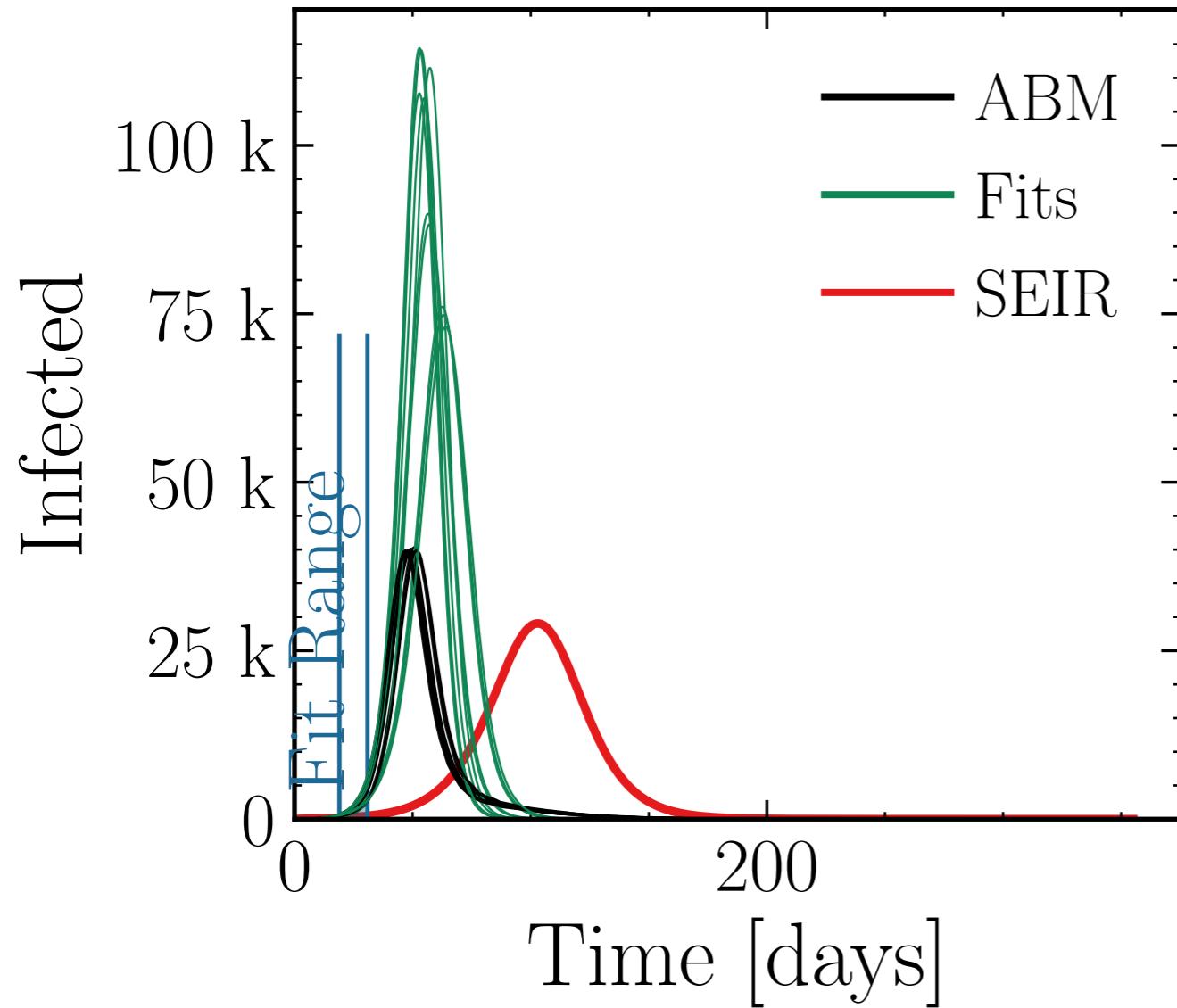
$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

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

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

$$\text{v.} = 1.0, \text{hash} = \text{c4434faeb6}\#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (531 \pm 1.2\%) \cdot 10^3$$



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

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

$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

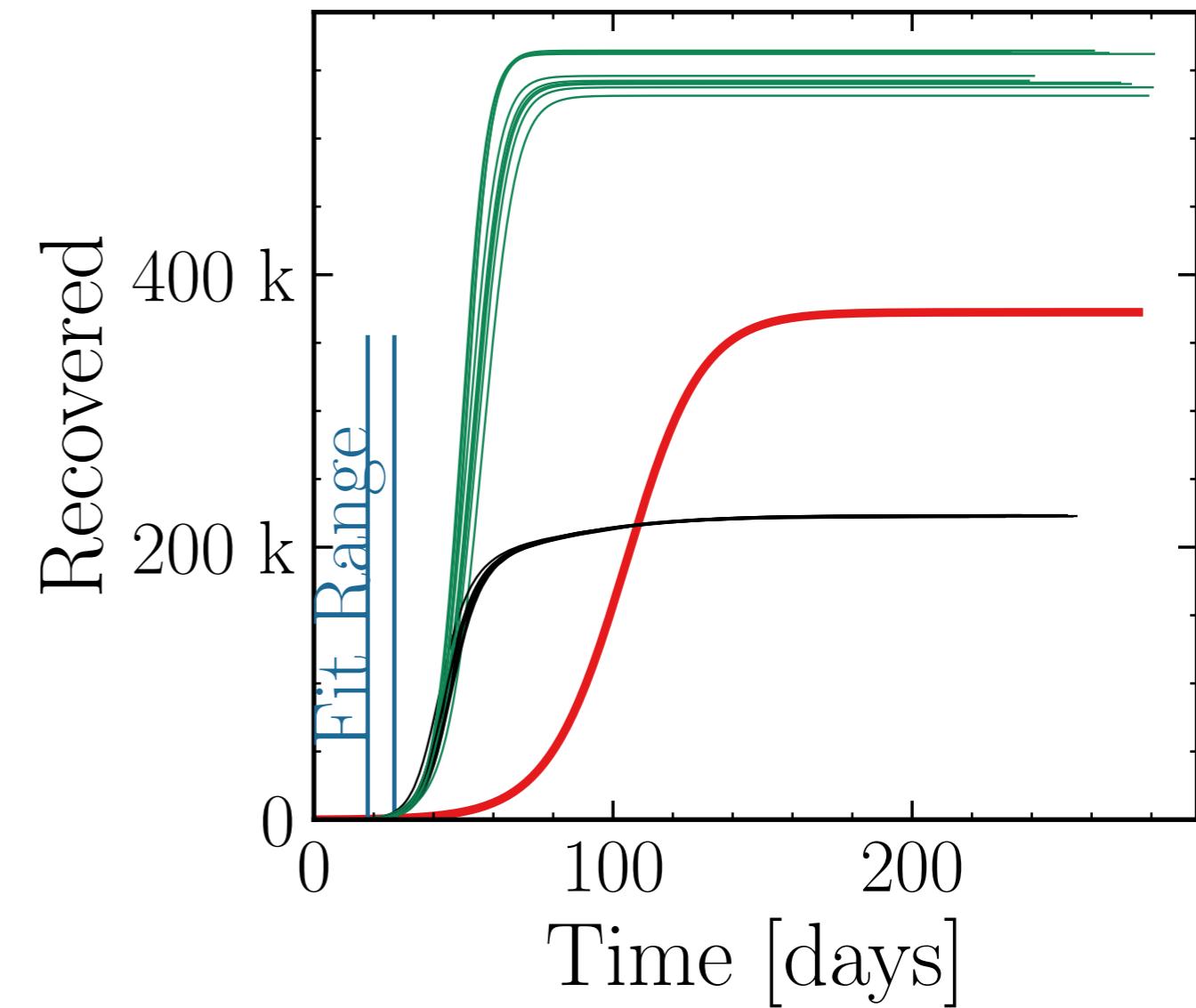
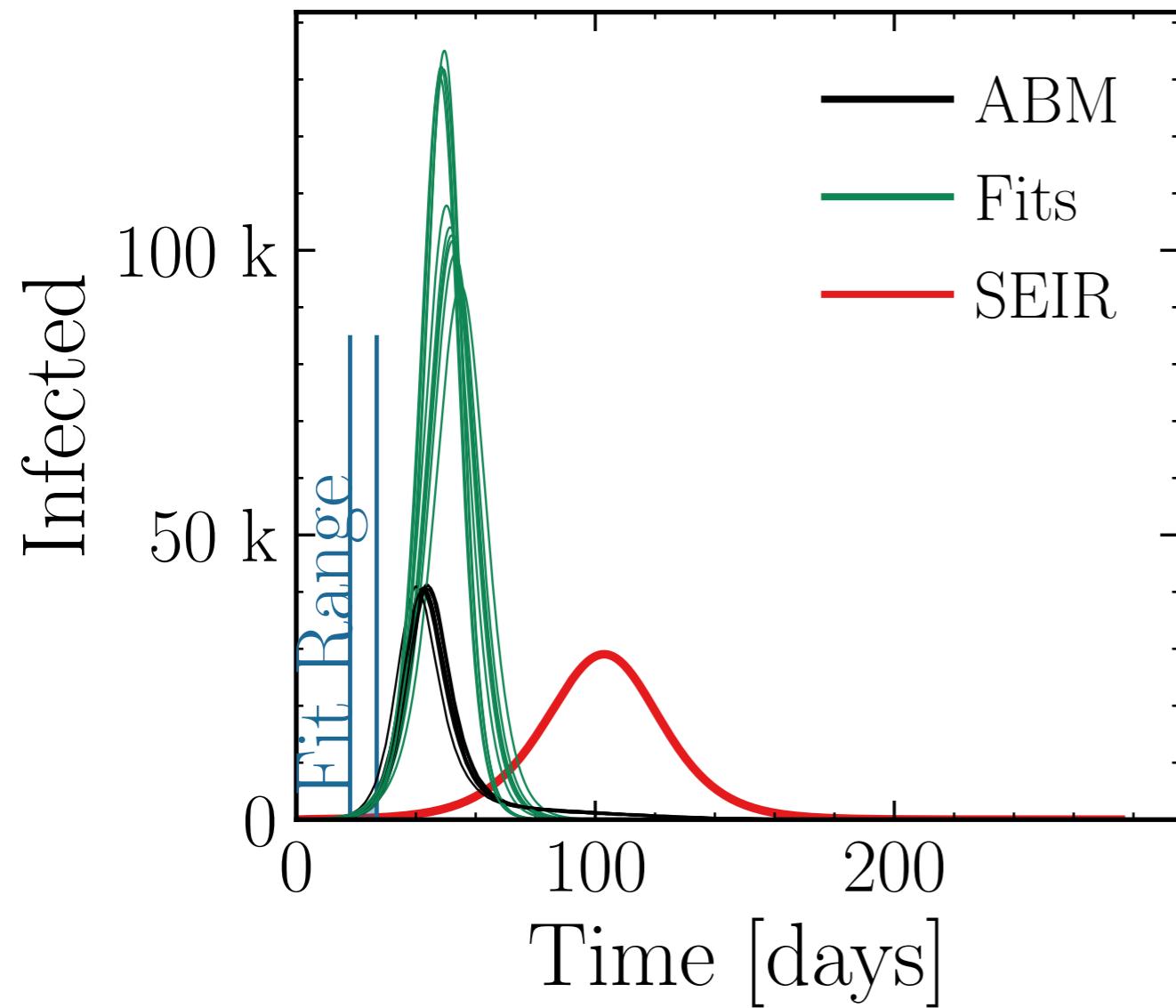
$$I_{\text{max}}^{\text{fit}} = (114 \pm 4.3\%) \cdot 10^3$$

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

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

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

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



$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 1.0$, 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_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

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

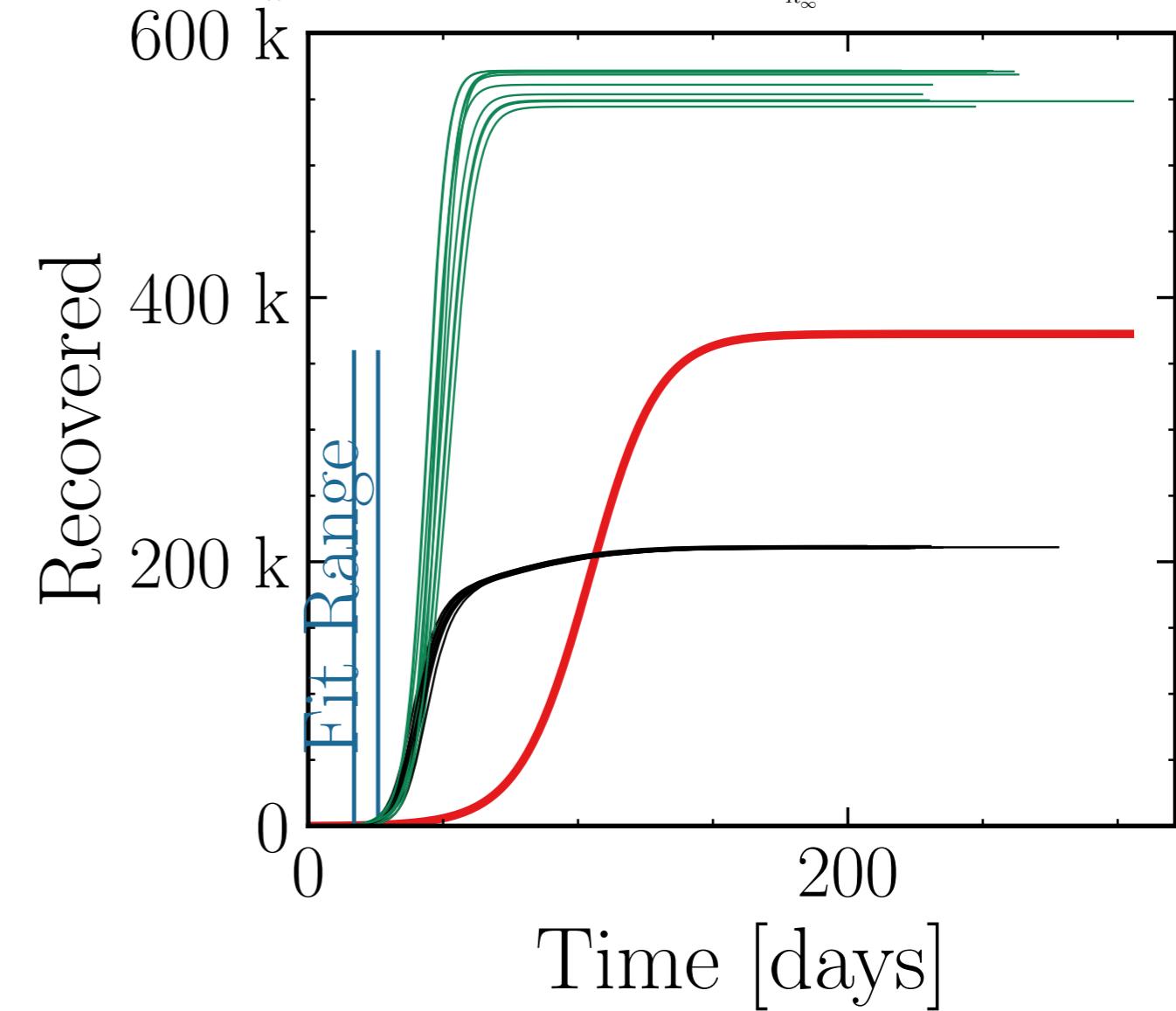
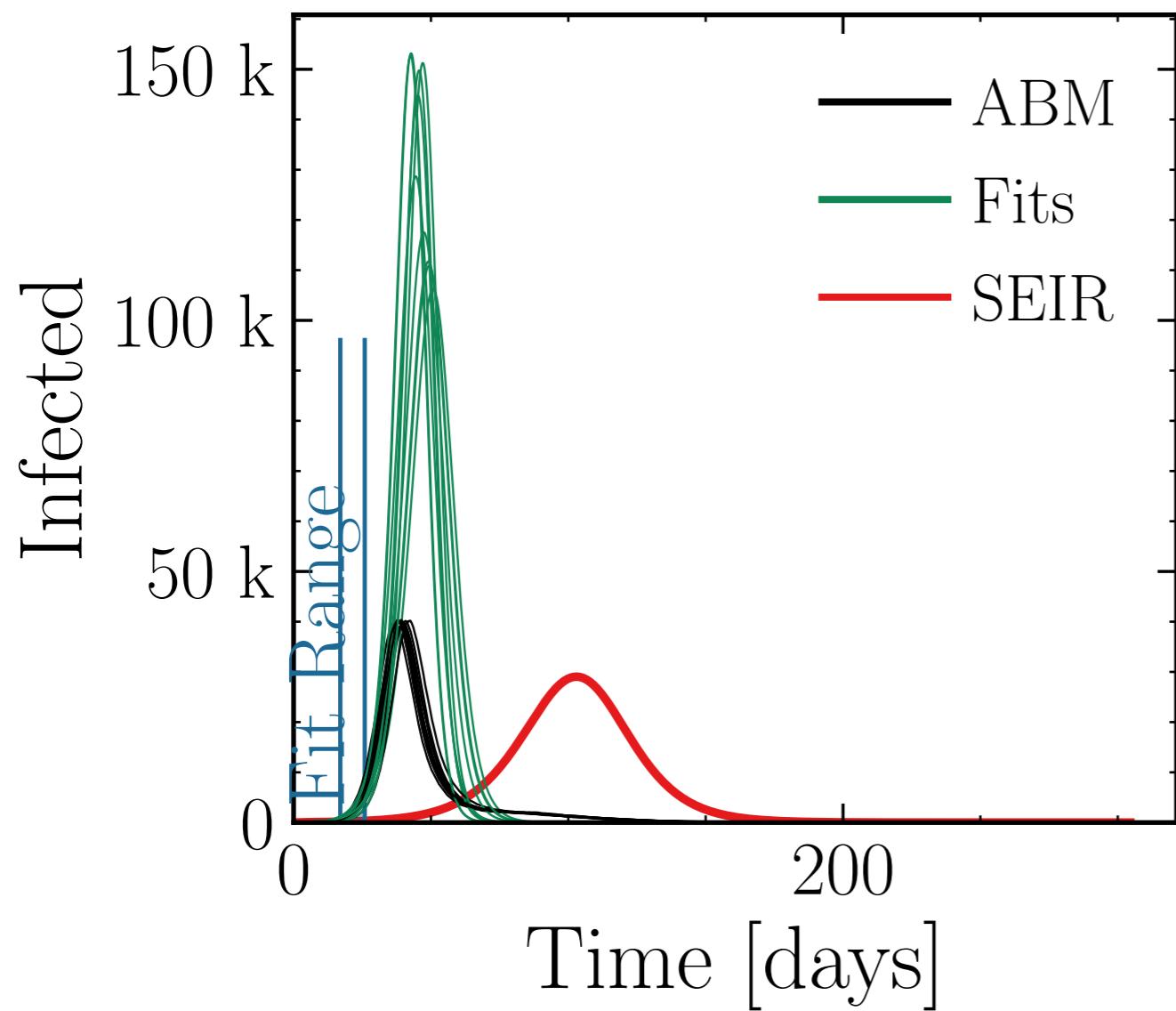
$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 3.3 \pm 0.15$$

$$\text{v.} = 1.0$$

$$\text{hash} = \text{a13153a87d}\#\#10$$

$$R_{\infty}^{\text{fit}} = (561 \pm 0.59\%) \cdot 10^3$$

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



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

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

$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

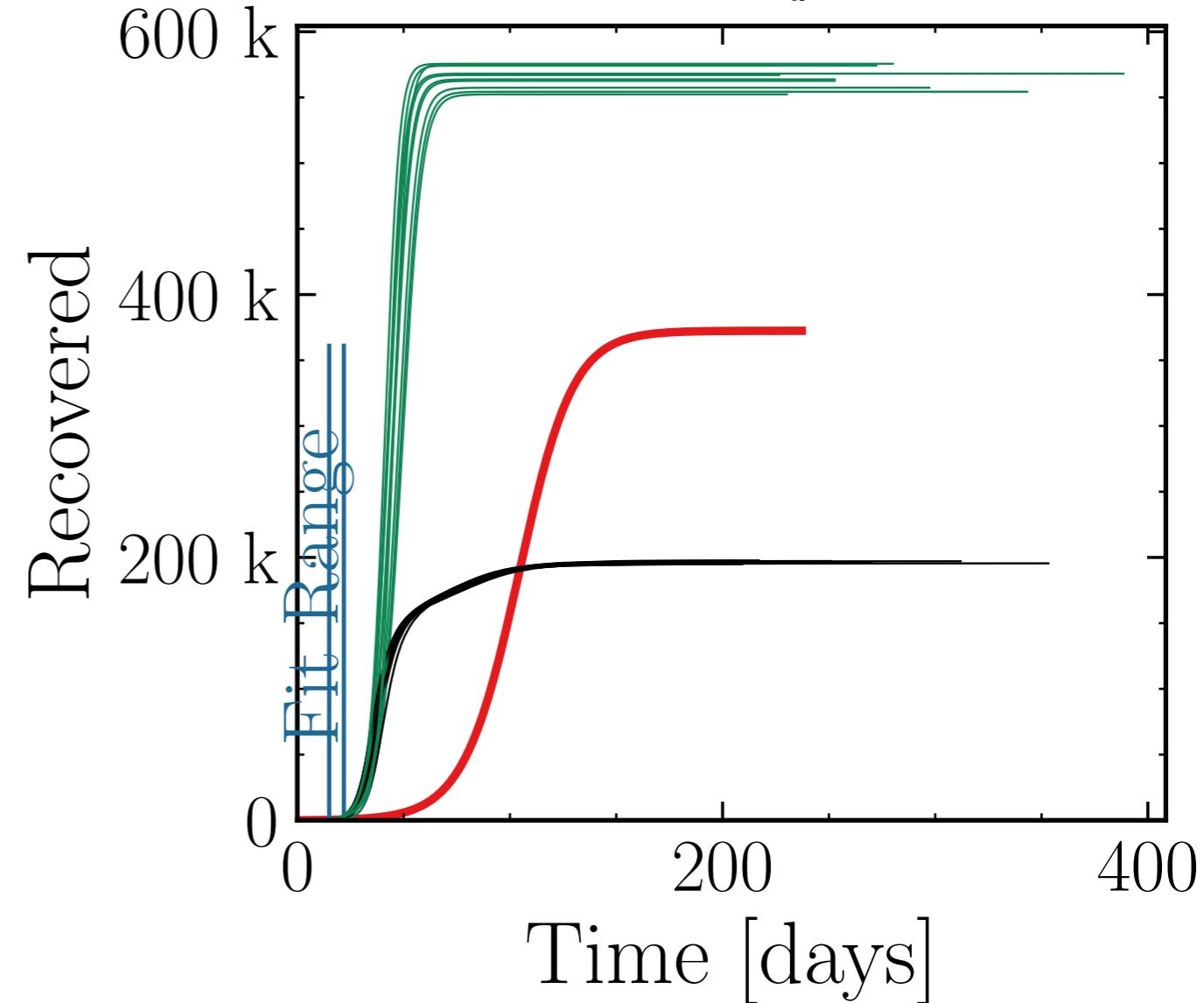
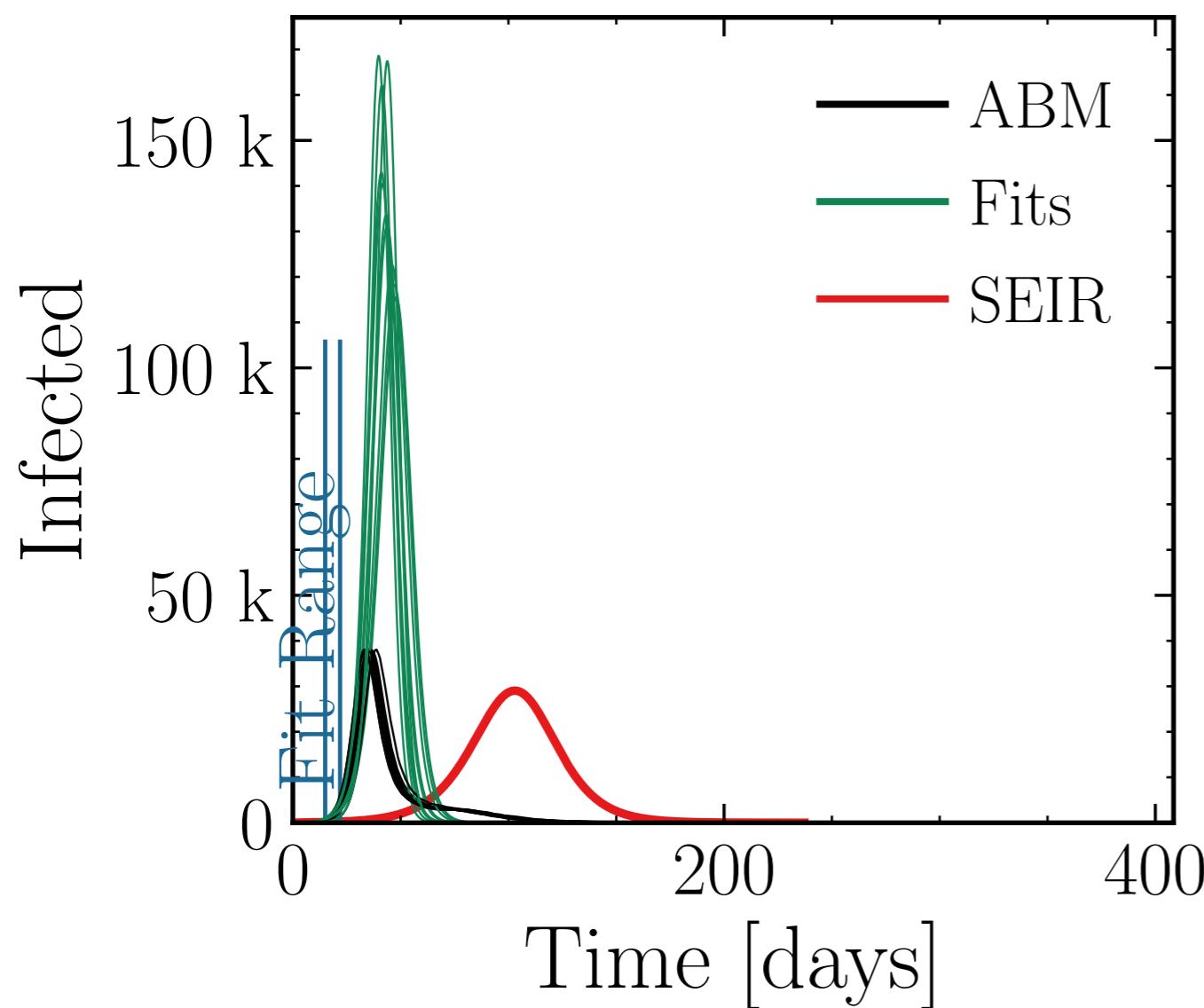
$$I_{\text{max}}^{\text{fit}} = (140 \pm 4.3\%) \cdot 10^3$$

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

$$\text{v.} = 1.0, \text{hash} = 6f0ea4e17f\#10$$

$$R_{\infty}^{\text{fit}} = (565 \pm 0.45\%) \cdot 10^3$$

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



$N_{\text{tot}} = 580K$, $\rho = 0.2$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 1.0$, 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_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

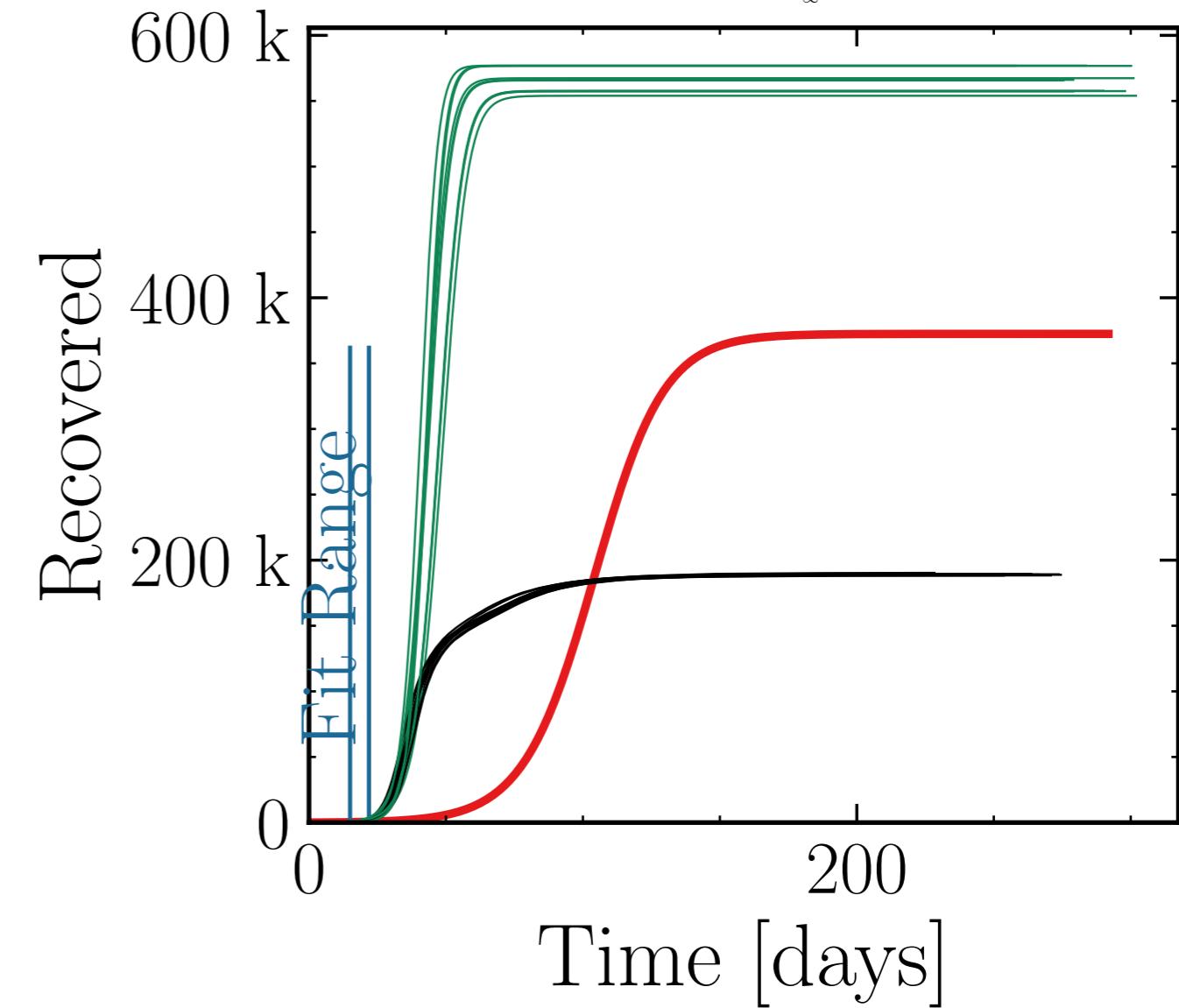
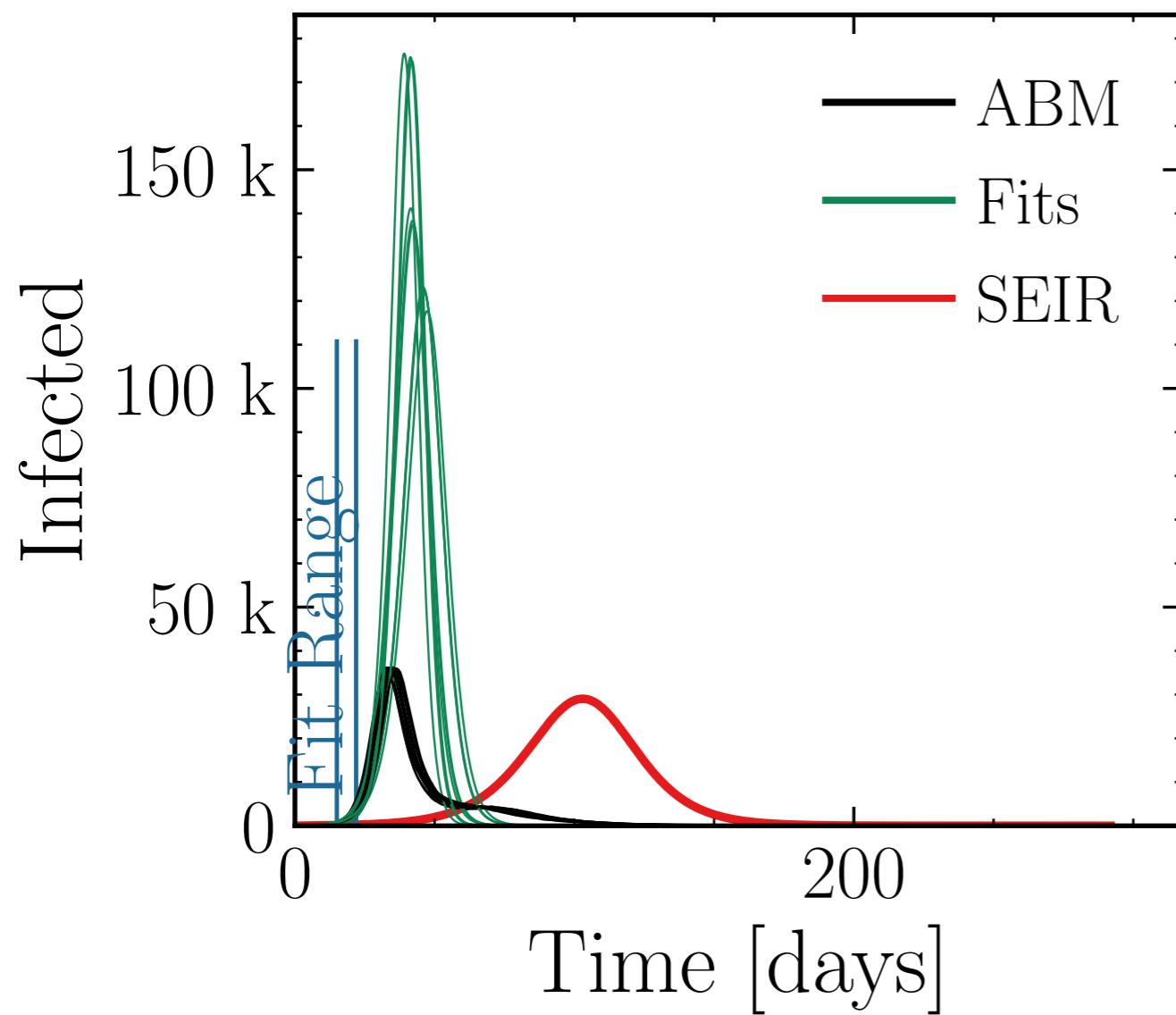
$$I_{\text{max}}^{\text{fit}} = (143 \pm 5.0\%) \cdot 10^3$$

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

$$\text{v.} = 1.0, \text{hash} = \text{d5f8c651b1}, \#10$$

$$R_{\infty}^{\text{fit}} = (566 \pm 0.47\%) \cdot 10^3$$

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



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

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

$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

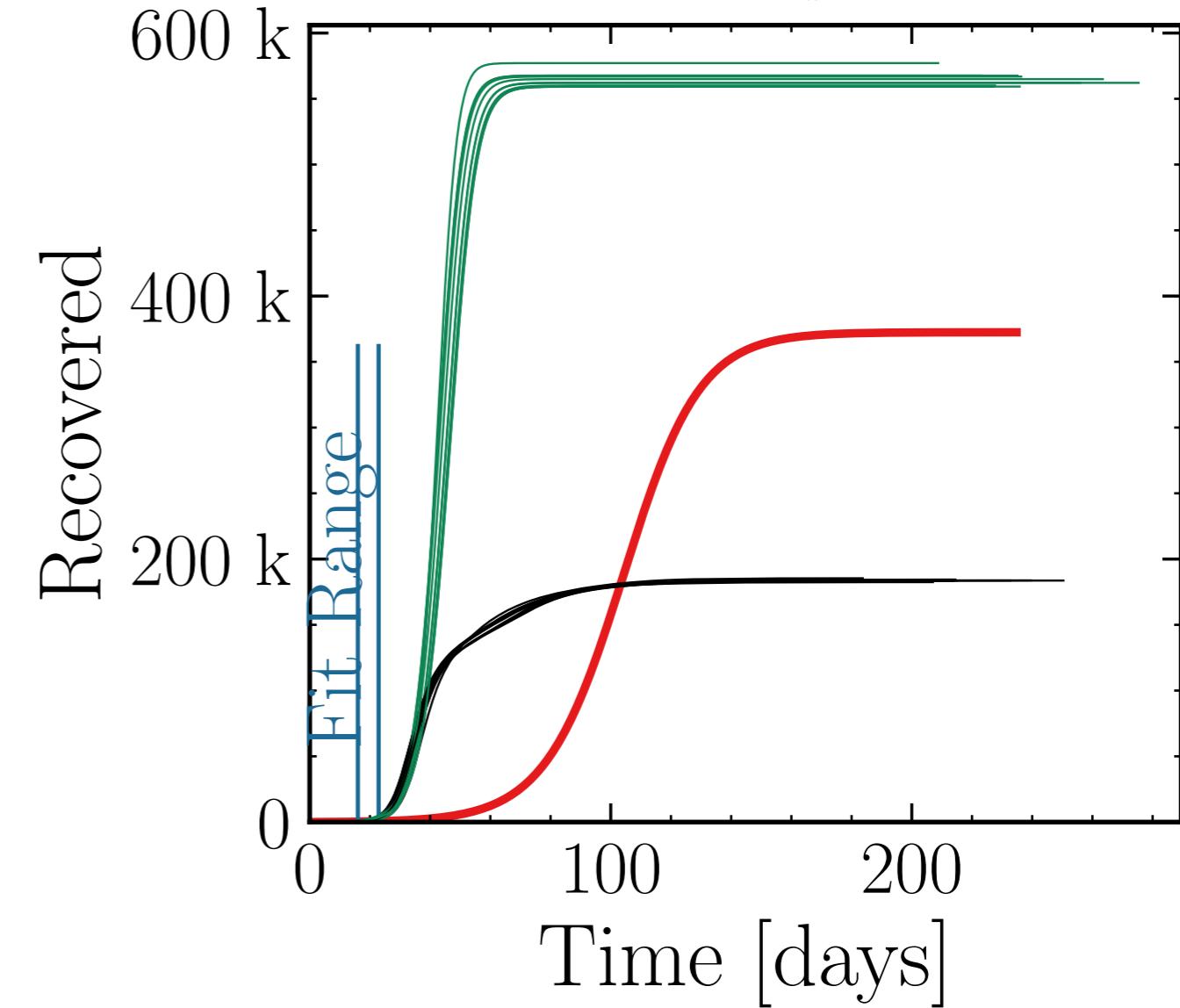
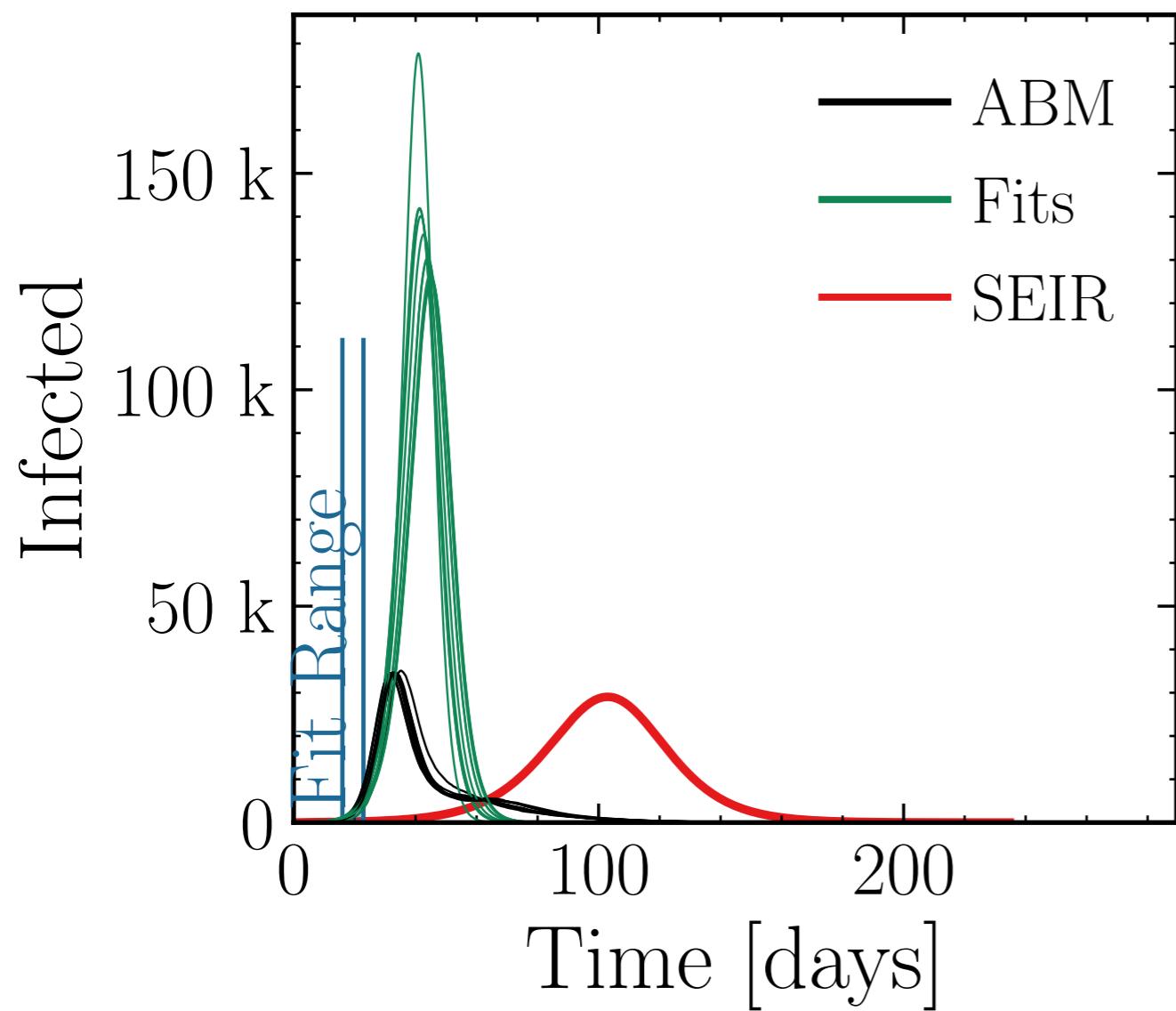
$$I_{\text{max}}^{\text{fit}} = (138 \pm 3.4\%) \cdot 10^3$$

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

$$\text{v.} = 1.0, \text{hash} = 408462e9bb, \#10$$

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

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 3.073 \pm 0.0069$$



$N_{\text{tot}} = 580K$, $\rho = 0.3$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 1.0$, 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_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

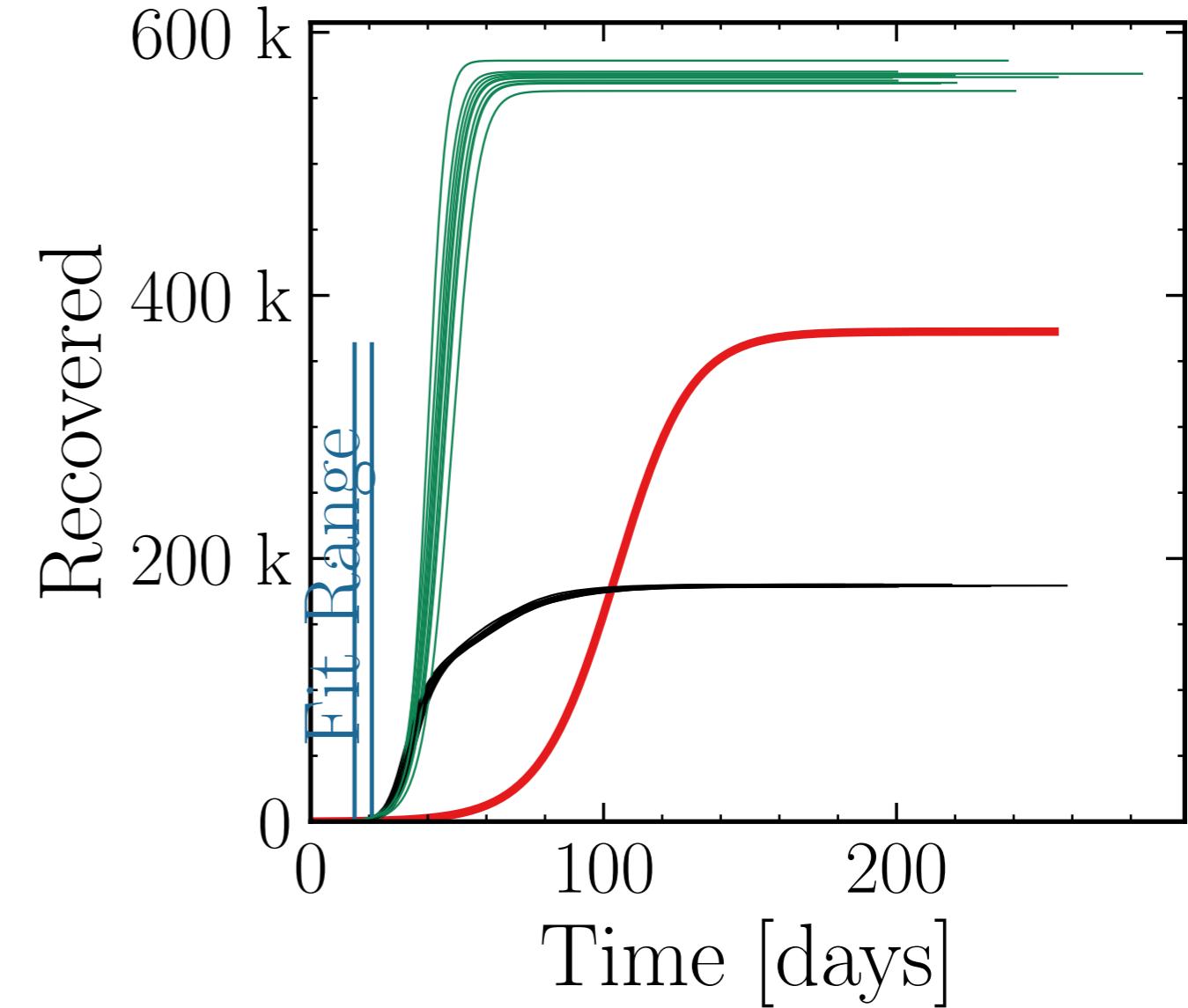
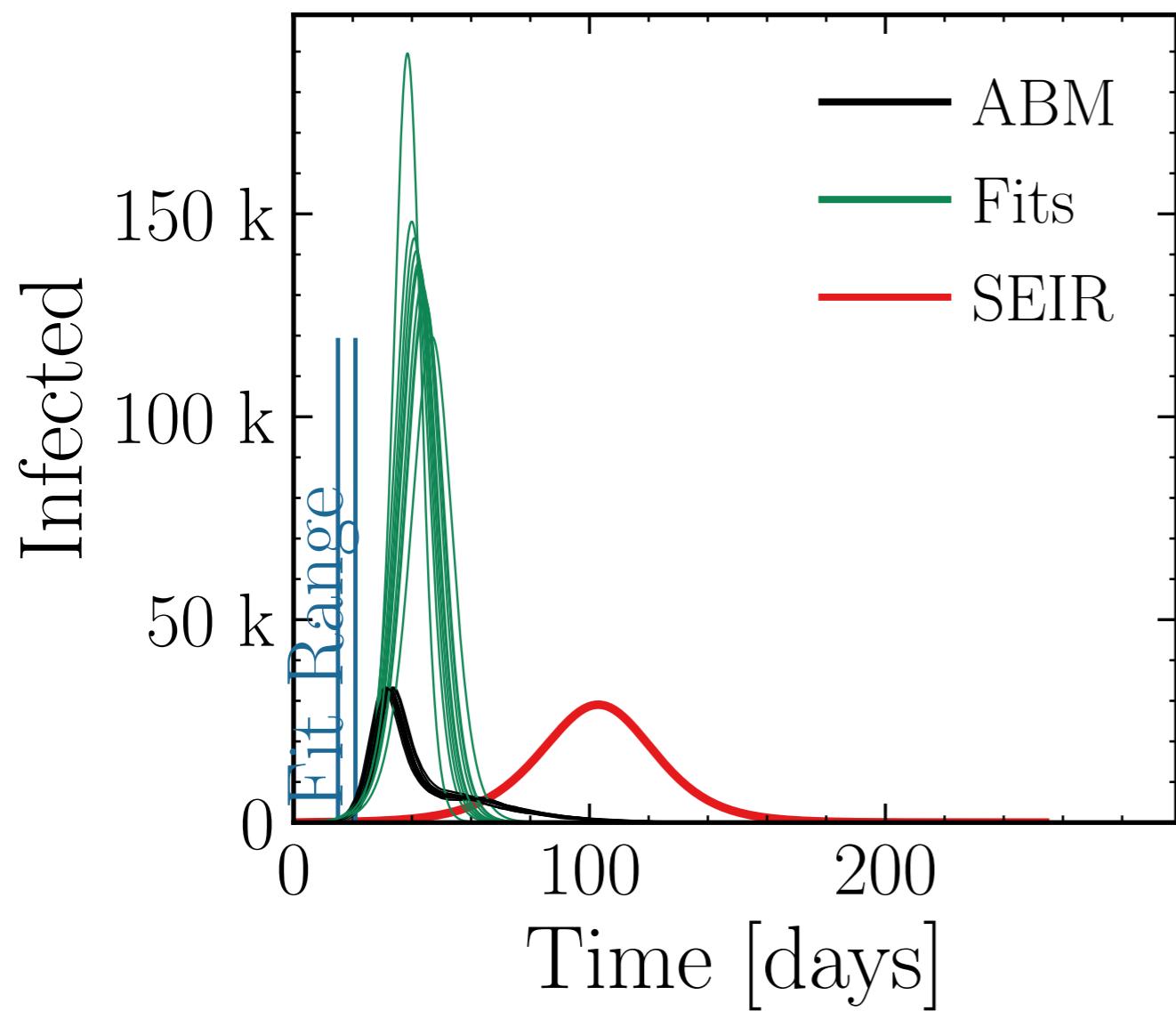
$$I_{\text{max}}^{\text{fit}} = (141 \pm 4.0\%) \cdot 10^3$$

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

$$\text{v.} = 1.0, \text{hash} = \text{f78b01f7ba}, \#10$$

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

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



$N_{\text{tot}} = 580K$, $\rho = 0.4$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 1.0$, 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_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

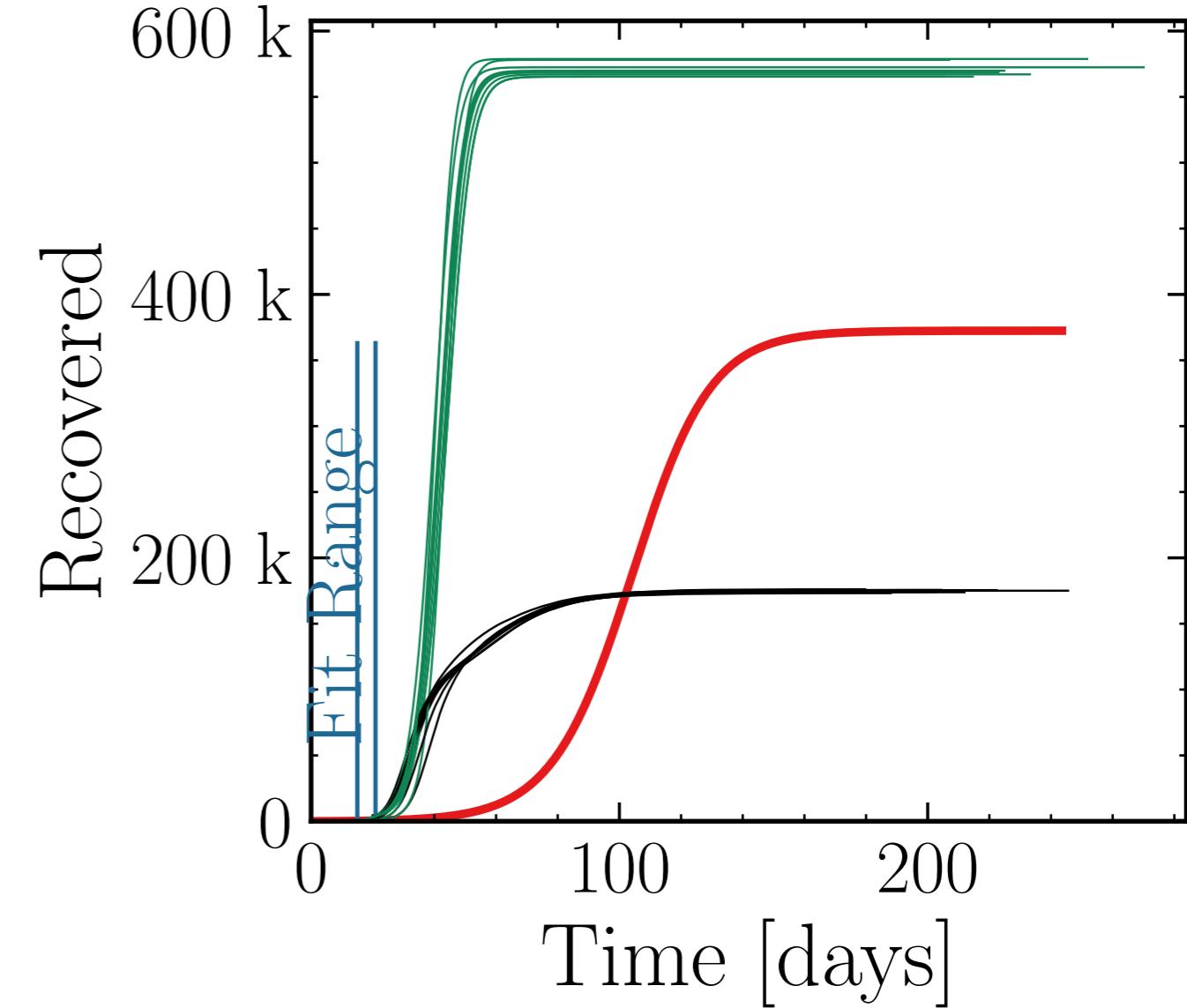
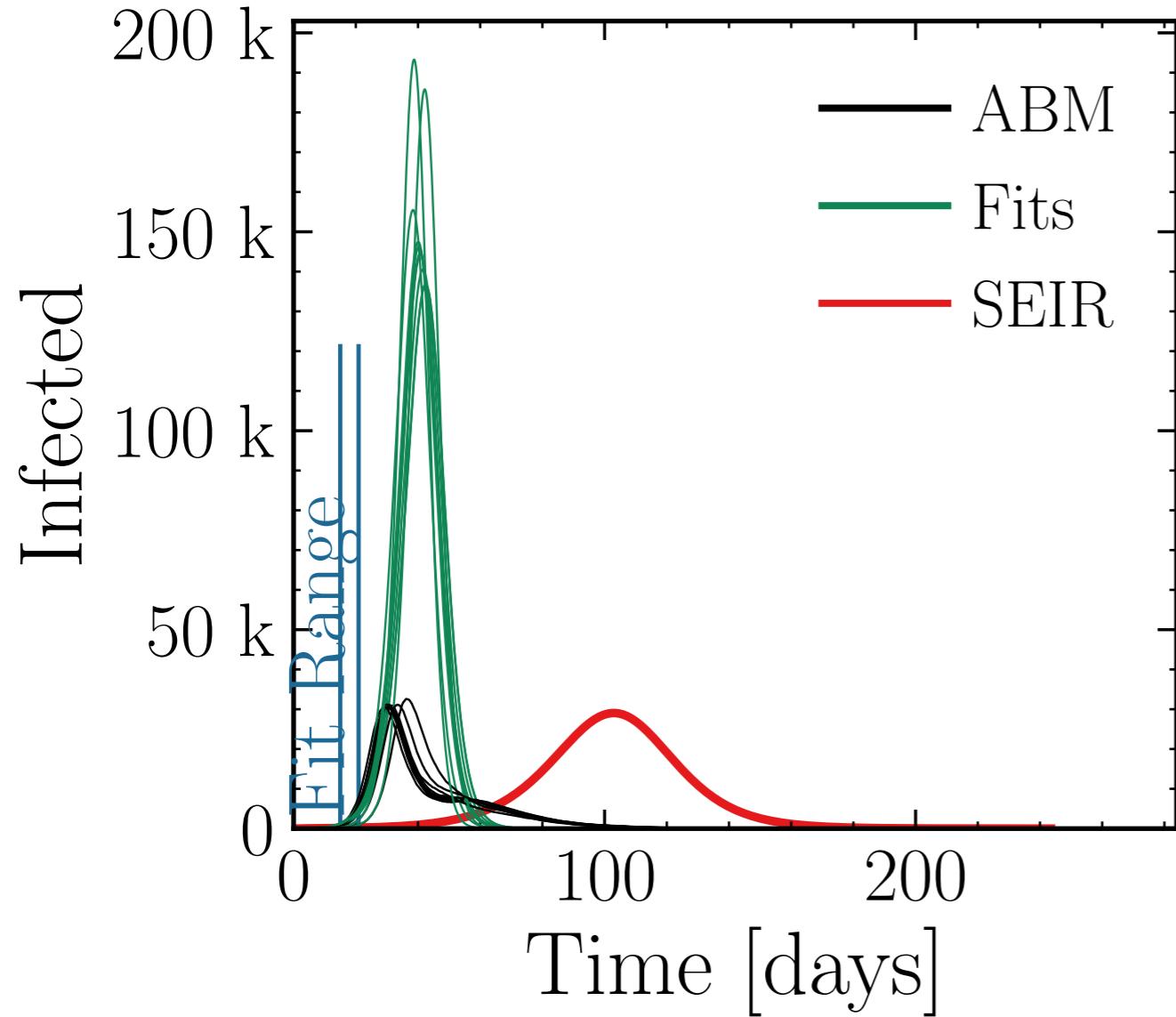
$$I_{\text{max}}^{\text{fit}} = (153 \pm 3.9\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 4.9 \pm 0.17$$

$$\text{v.} = 1.0, \text{hash} = \text{da9baaeb4f}, \#10$$

$$R_{\infty}^{\text{fit}} = (570 \pm 0.25\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 3.266 \pm 0.0056$$



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

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

$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

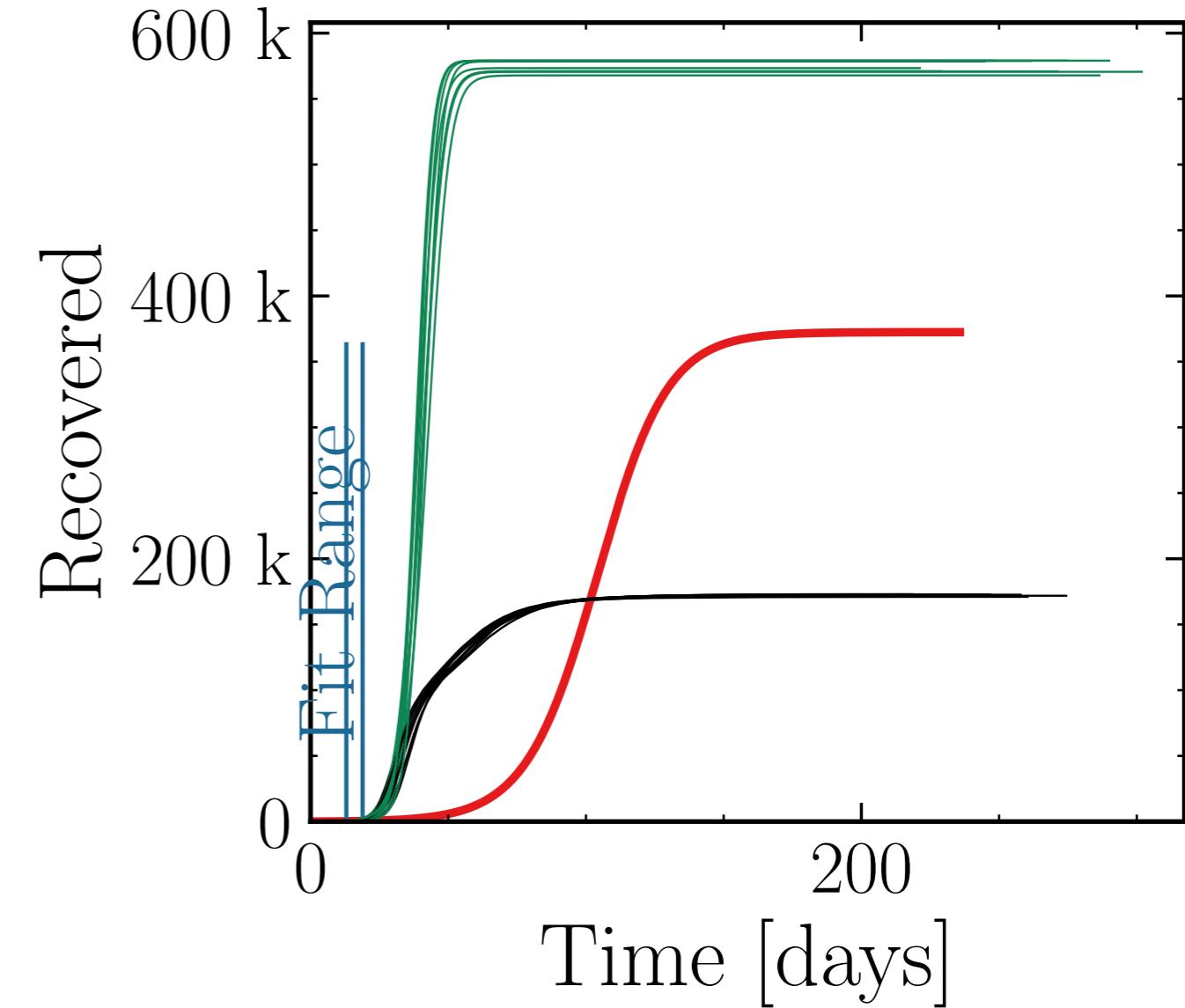
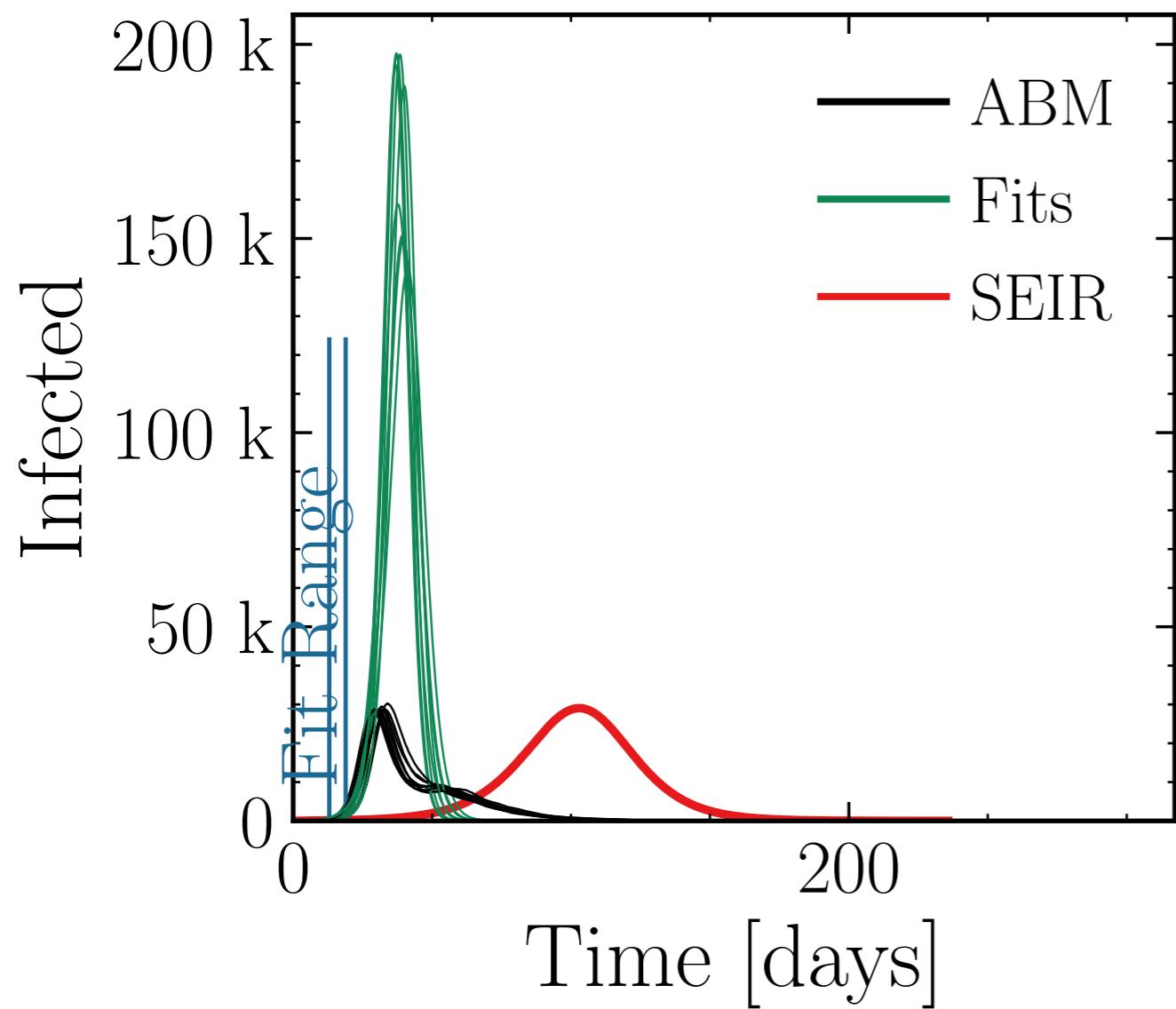
$$I_{\text{max}}^{\text{fit}} = (173 \pm 4.2\%) \cdot 10^3$$

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

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

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

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



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

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

$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β scaling} = 10.0, event_{weekendmultiplier} = 1.0

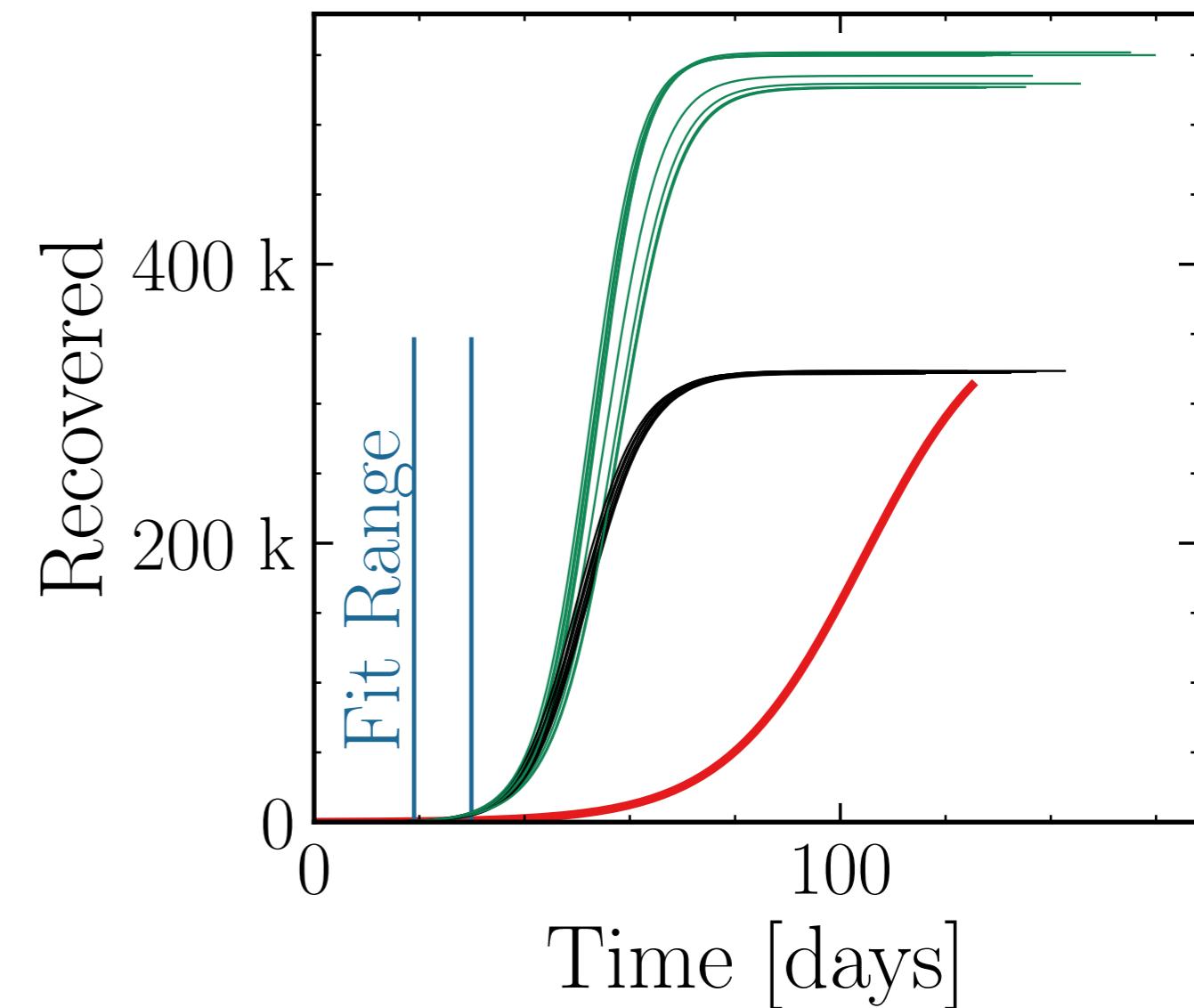
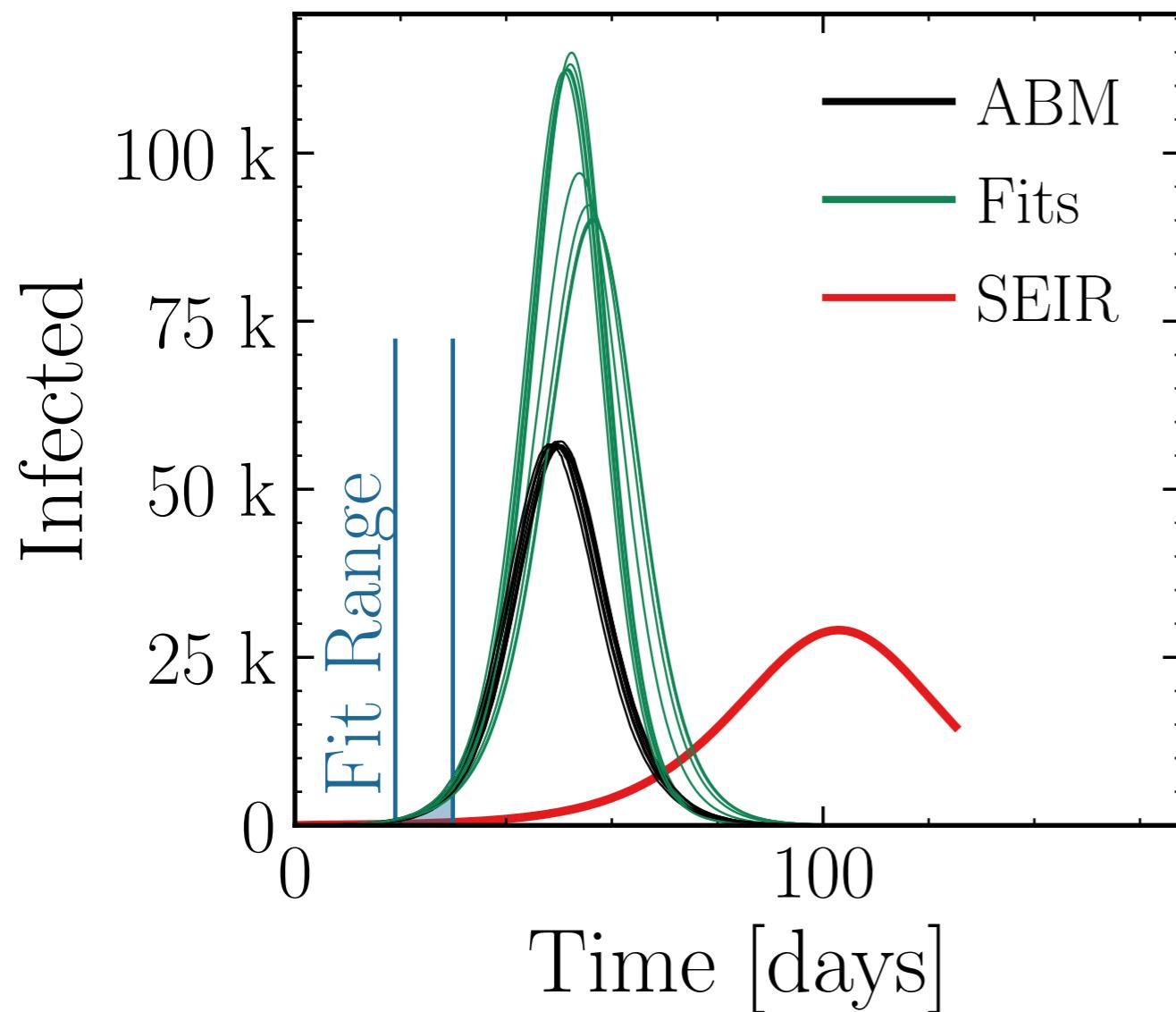
$$I_{\text{max}}^{\text{fit}} = (102 \pm 3.3\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1.81 \pm 0.059$$

$$\text{v.} = 1.0, \text{hash} = \text{fa8d8e9b22}, \#10$$

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

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



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

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

$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

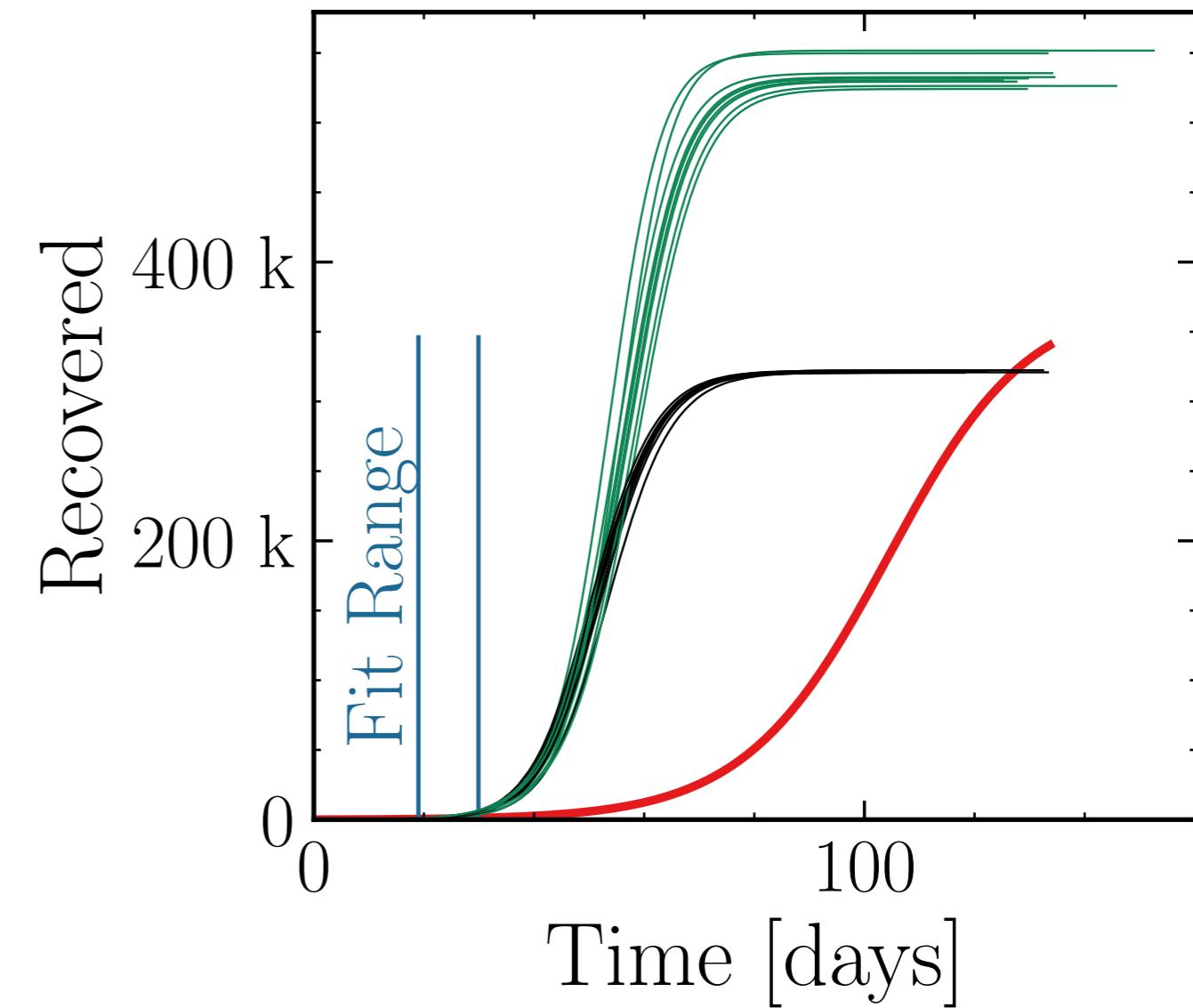
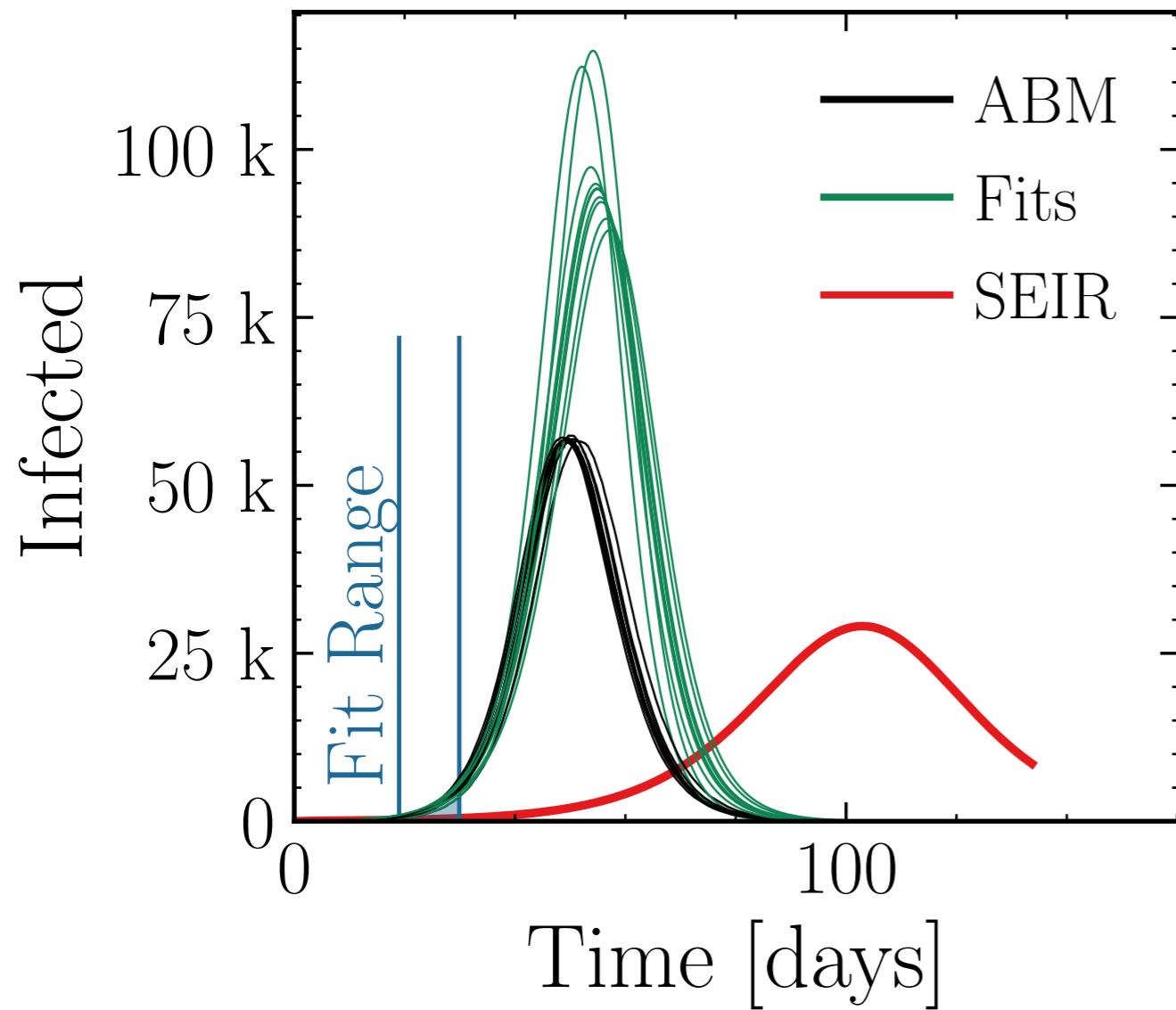
$$I_{\text{max}}^{\text{fit}} = (97 \pm 2.8\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1.71 \pm 0.049$$

$$\nu = 1.0, \text{hash} = 179ffd9360, \#10$$

$$R_{\infty}^{\text{fit}} = (534 \pm 0.52\%) \cdot 10^3$$

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



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

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

$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

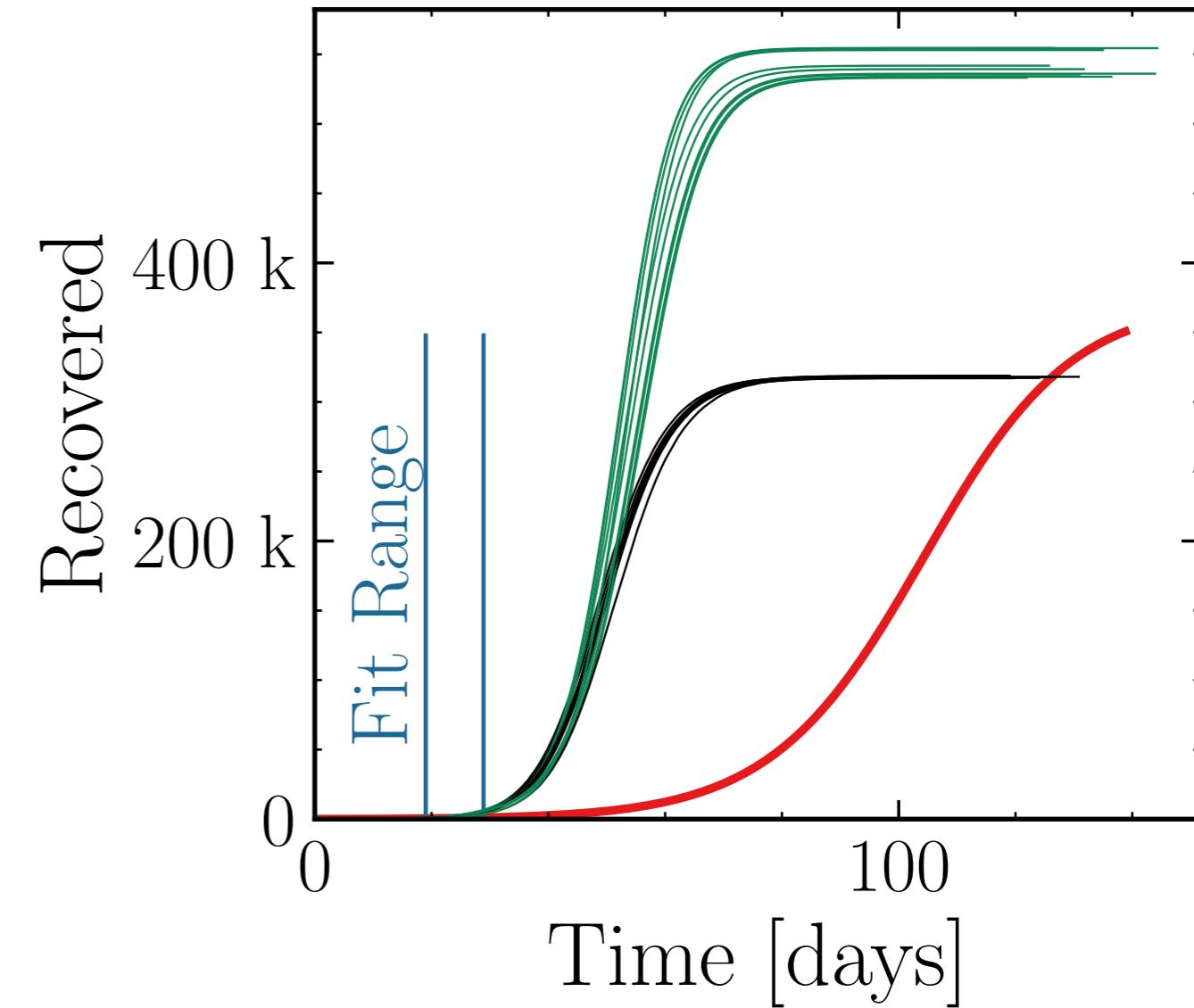
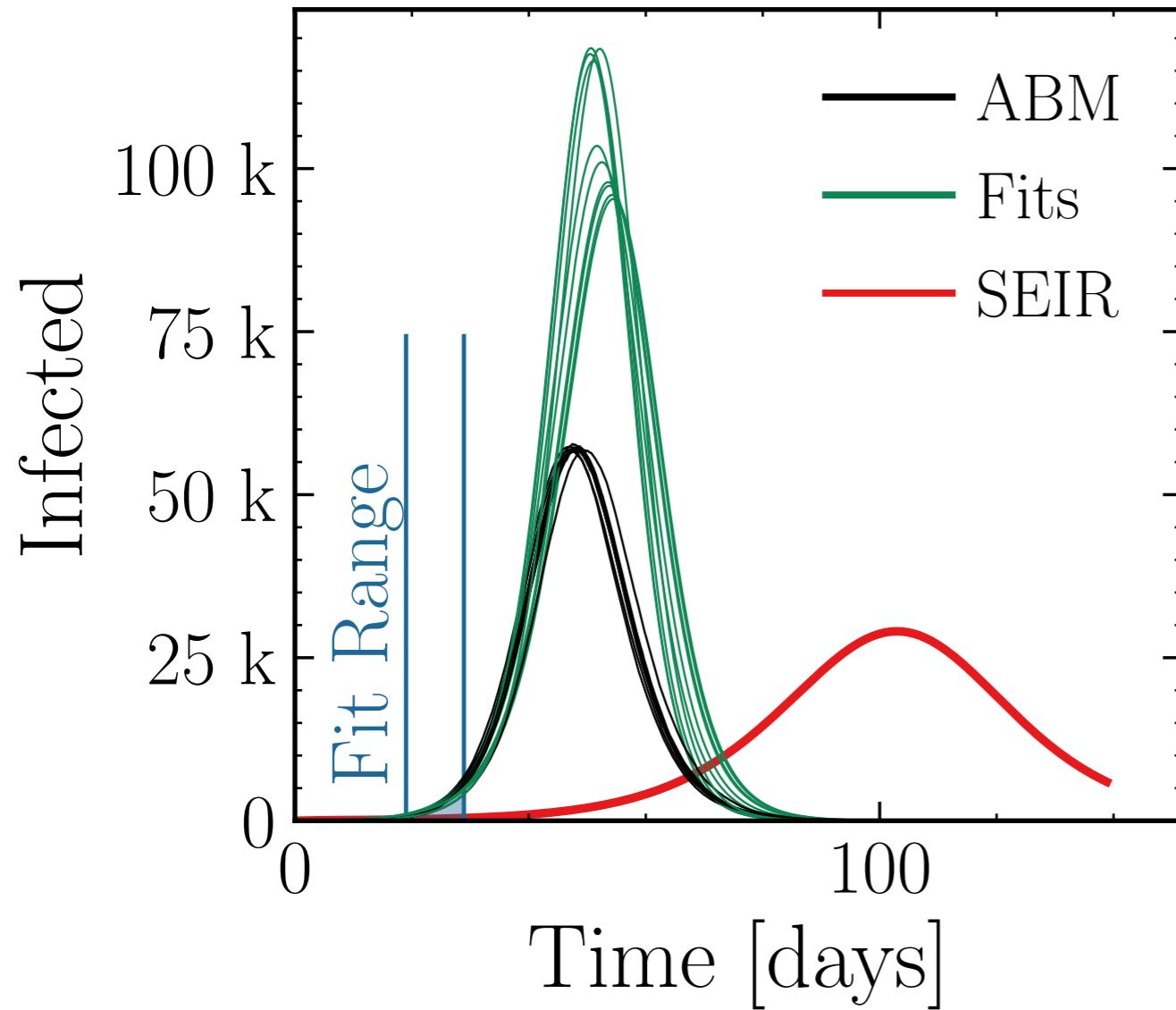
$$I_{\text{max}}^{\text{fit}} = (106 \pm 2.9\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1.86 \pm 0.055$$

$$\text{v.} = 1.0, \text{hash} = 7d815055ch, \#10$$

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

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



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

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

$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

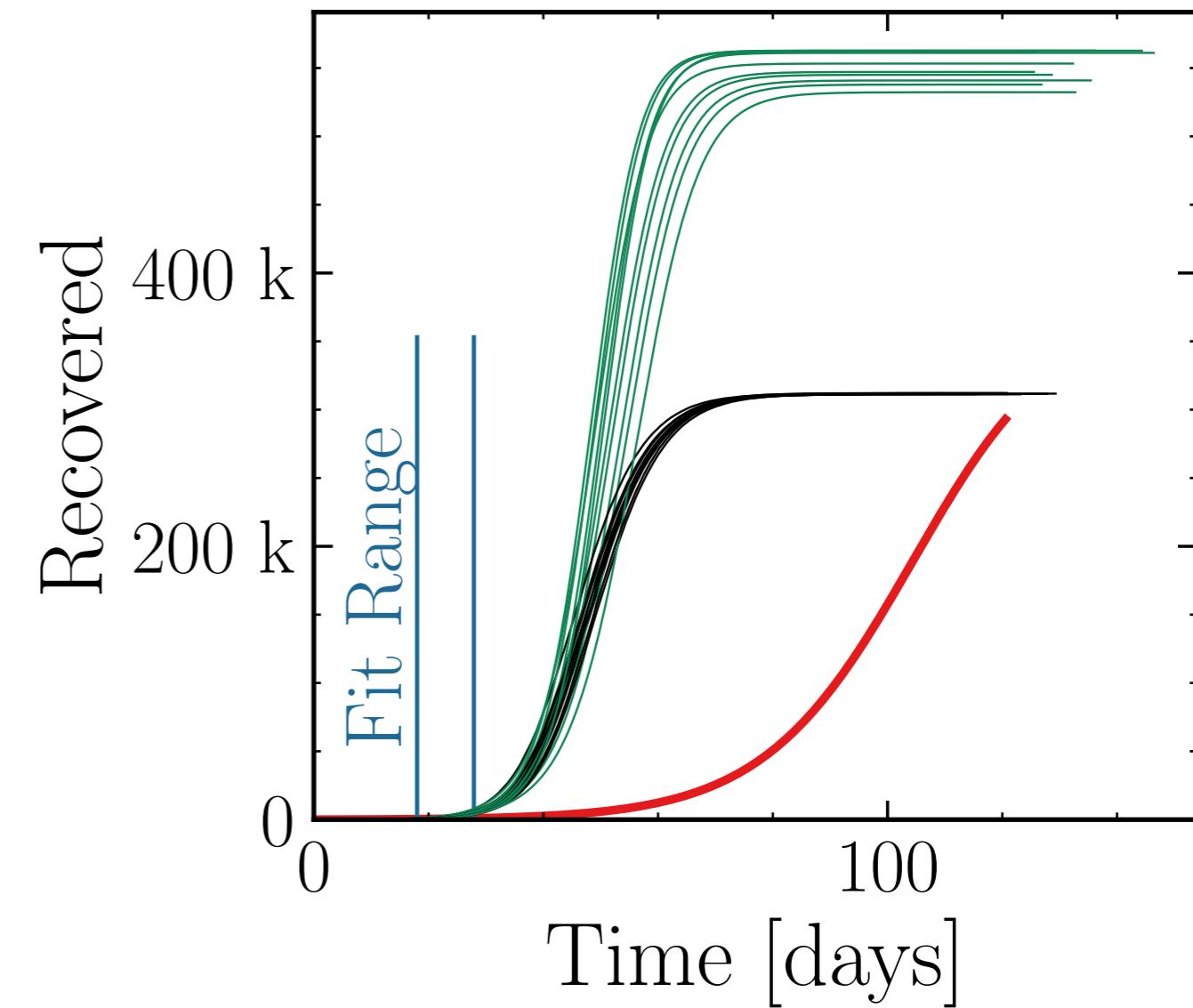
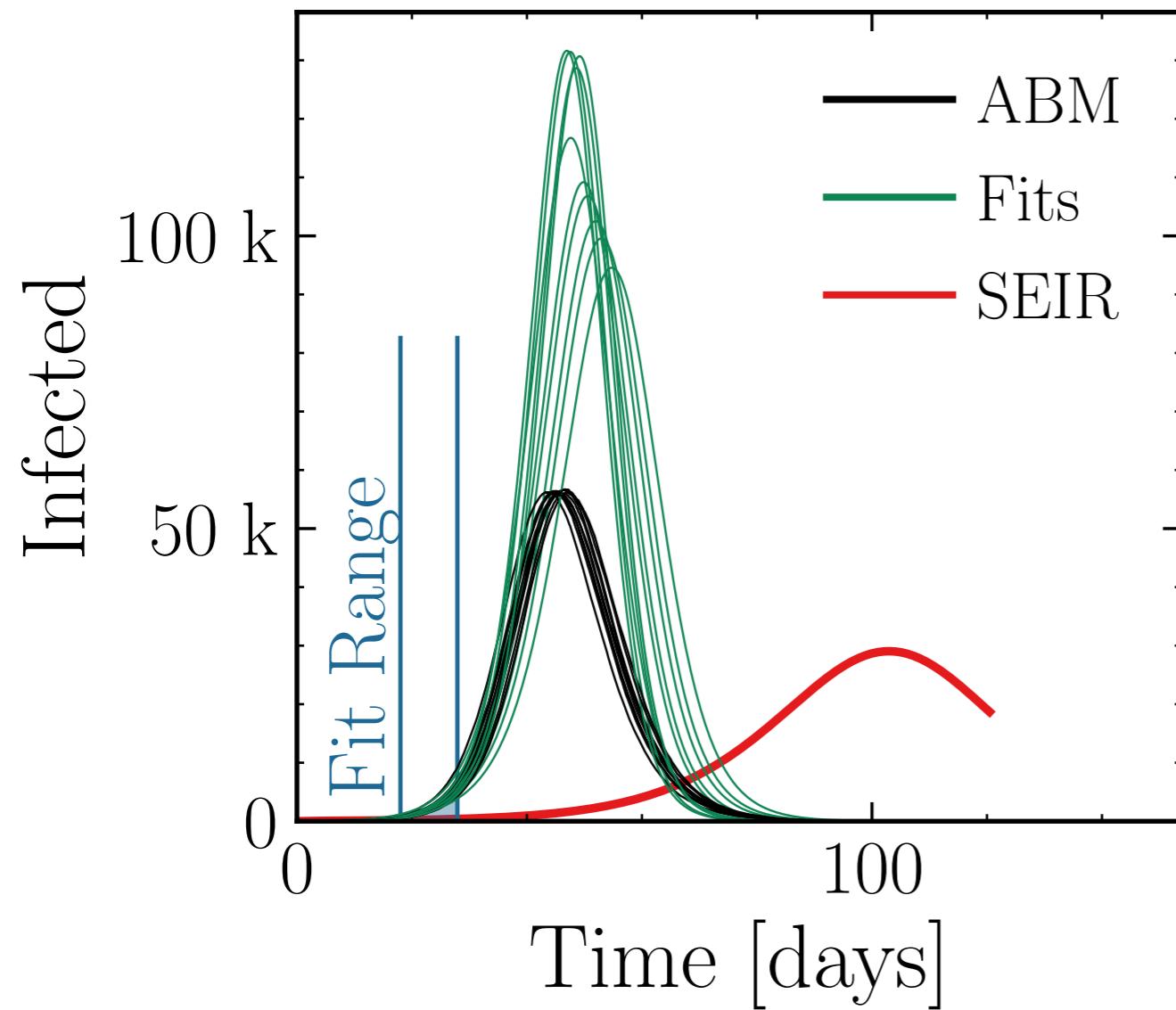
$$I_{\text{max}}^{\text{fit}} = (115 \pm 3.8\%) \cdot 10^3$$

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

$$\text{v.} = 1.0, \text{hash} = \text{b2456f5aaaf}, \#10$$

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

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



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

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

$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

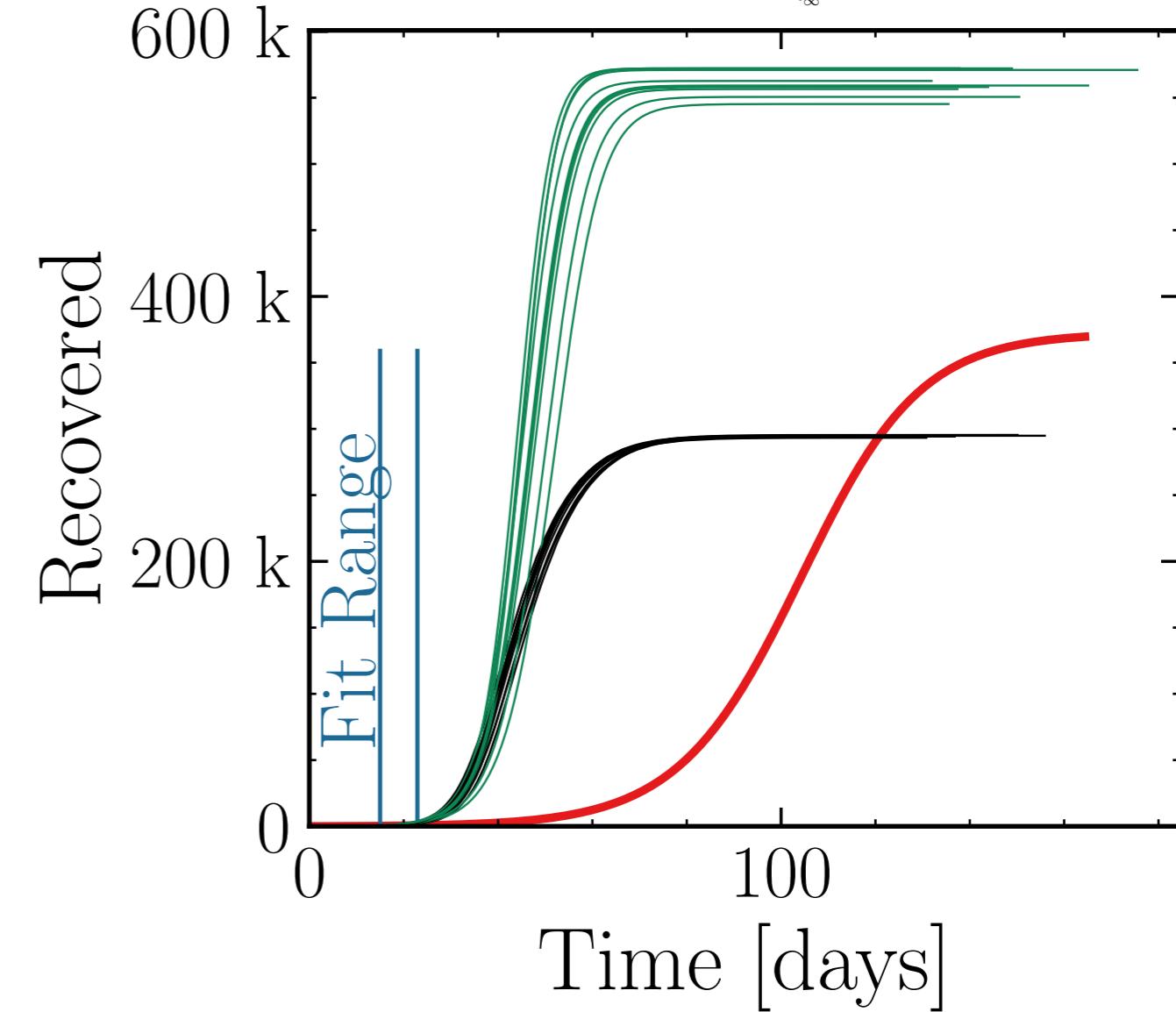
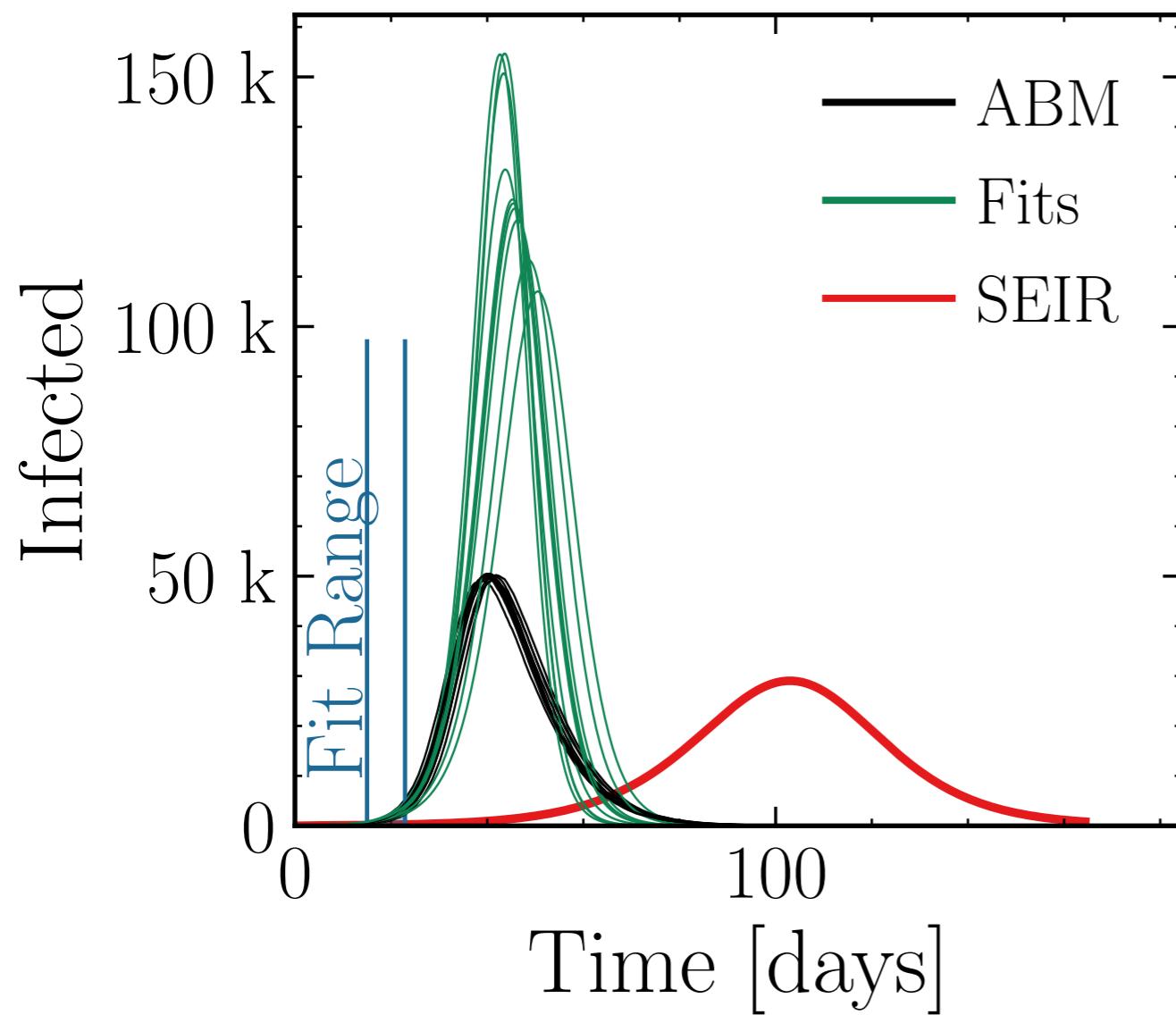
$$I_{\text{max}}^{\text{fit}} = (131 \pm 3.9\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 2.62 \pm 0.100$$

$$\text{v.} = 1.0, \text{hash} = \text{eddbc91bd7}, \#10$$

$$R_{\infty}^{\text{fit}} = (561 \pm 0.49\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.903 \pm 0.0092$$



$N_{\text{tot}} = 580K$, $\rho = 0.05$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 1.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, 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_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β scaling} = 10.0, event_{weekendmultiplier} = 1.0

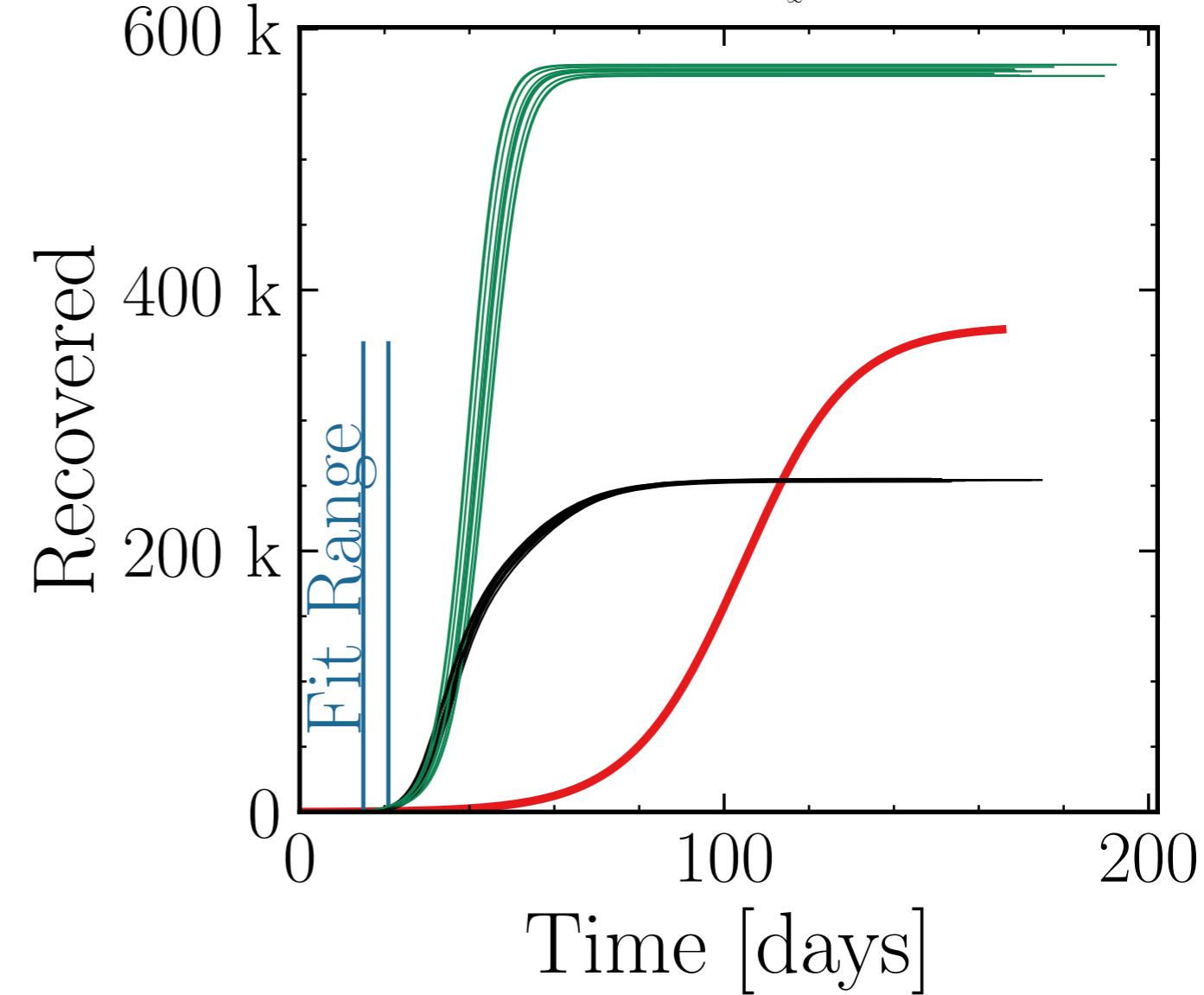
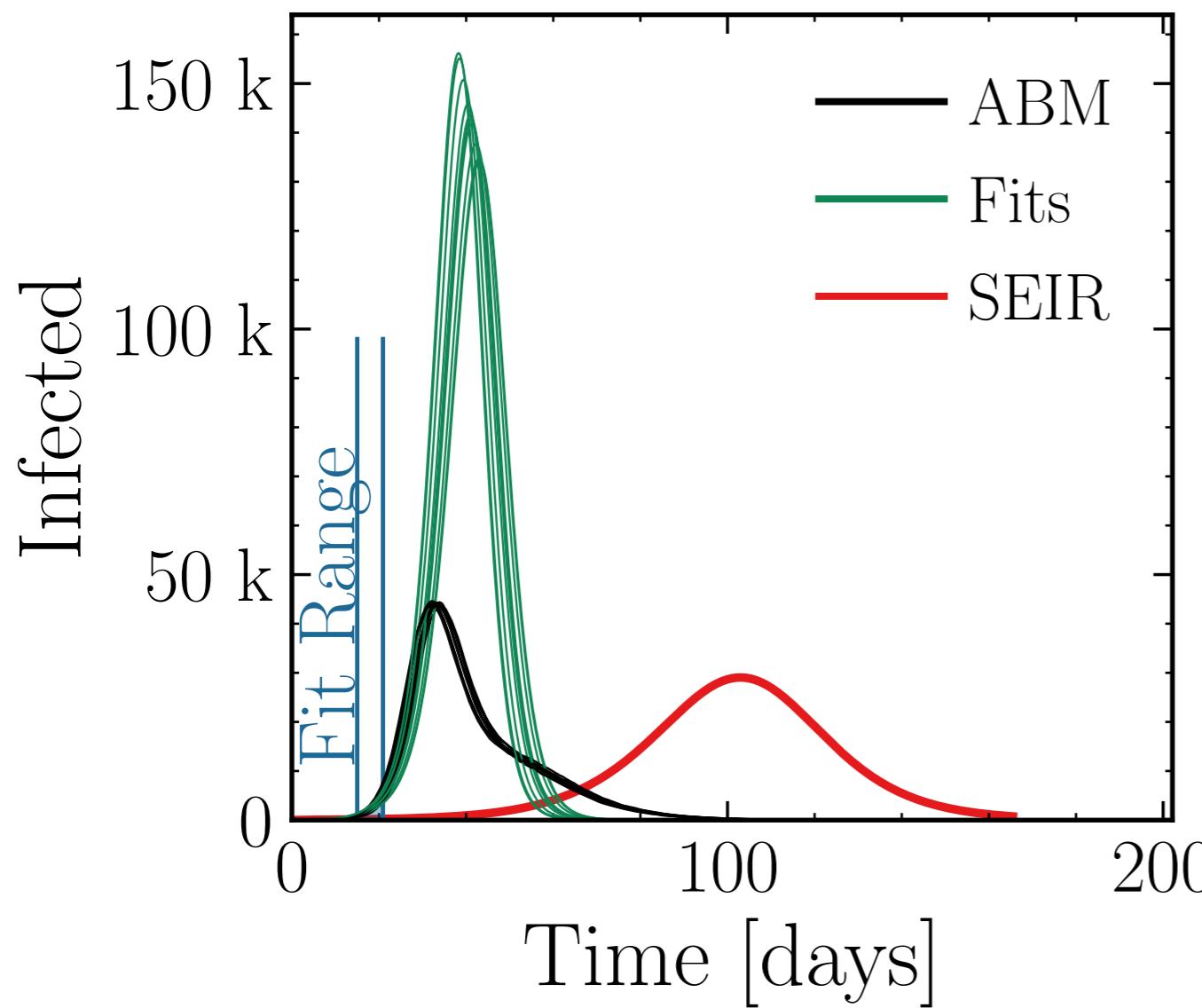
$$I_{\text{max}}^{\text{fit}} = (144 \pm 1.6\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 3.27 \pm 0.050$$

$$v. = 1.0, \text{hash} = 1fee435e41, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (568.3 \pm 0.16\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 2.235 \pm 0.0038$$



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

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

$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

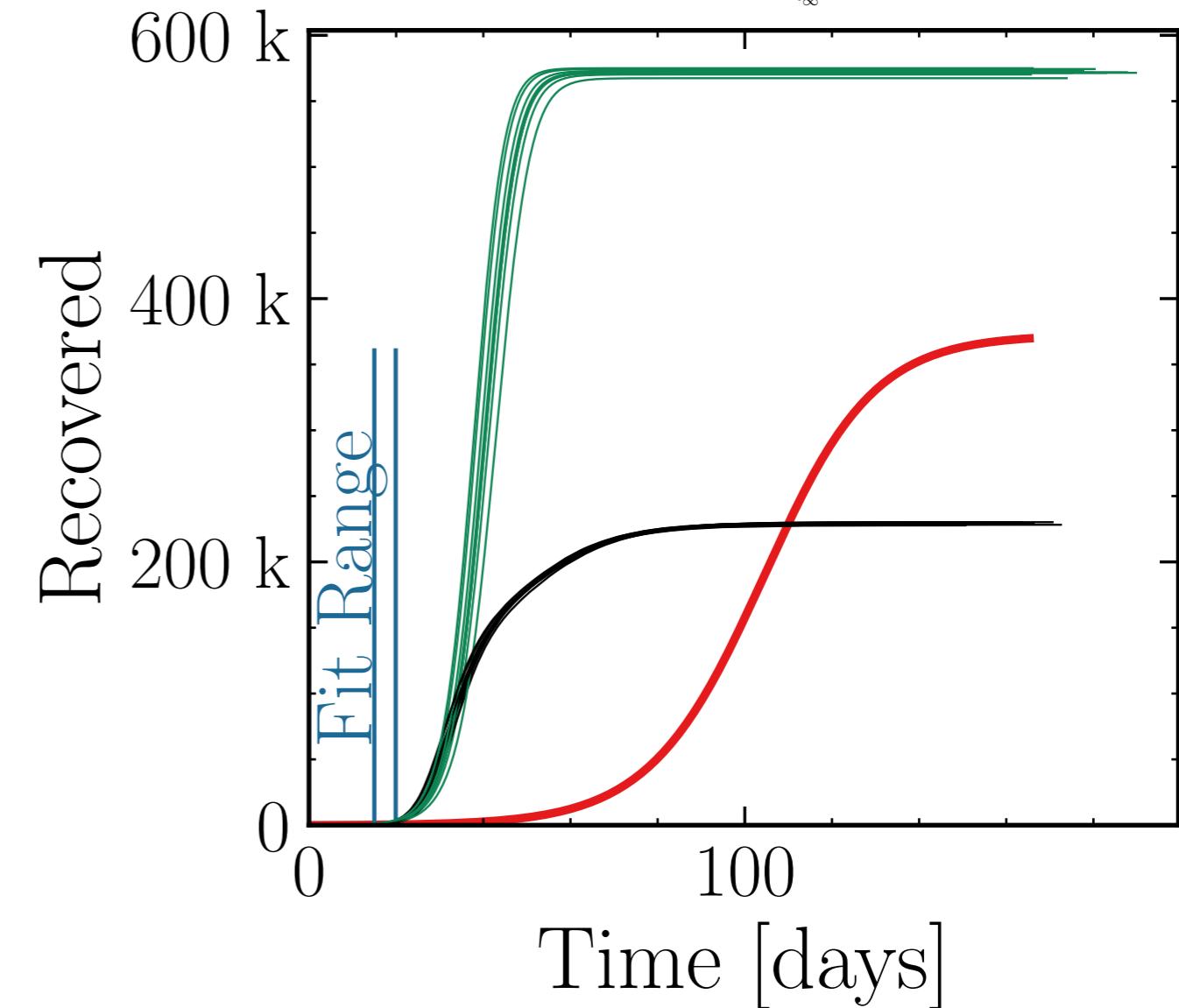
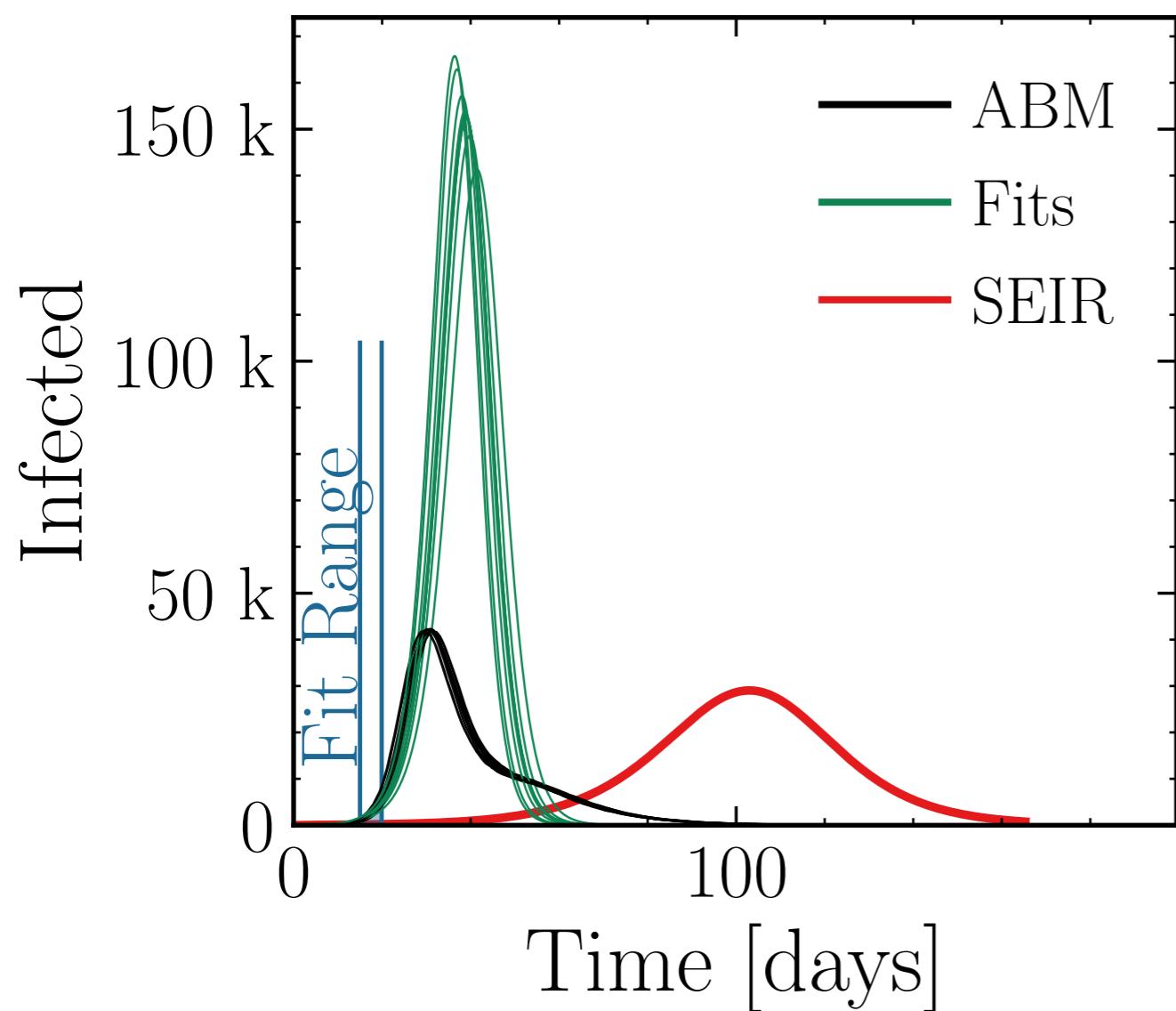
$$I_{\text{max}}^{\text{fit}} = (154 \pm 1.3\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 3.66 \pm 0.049$$

$$\text{v.} = 1.0, \text{hash} = 6175bf8c3e, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (571.8 \pm 0.11\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{fit}}} = 2.494 \pm 0.0031$$



$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 1.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, 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_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

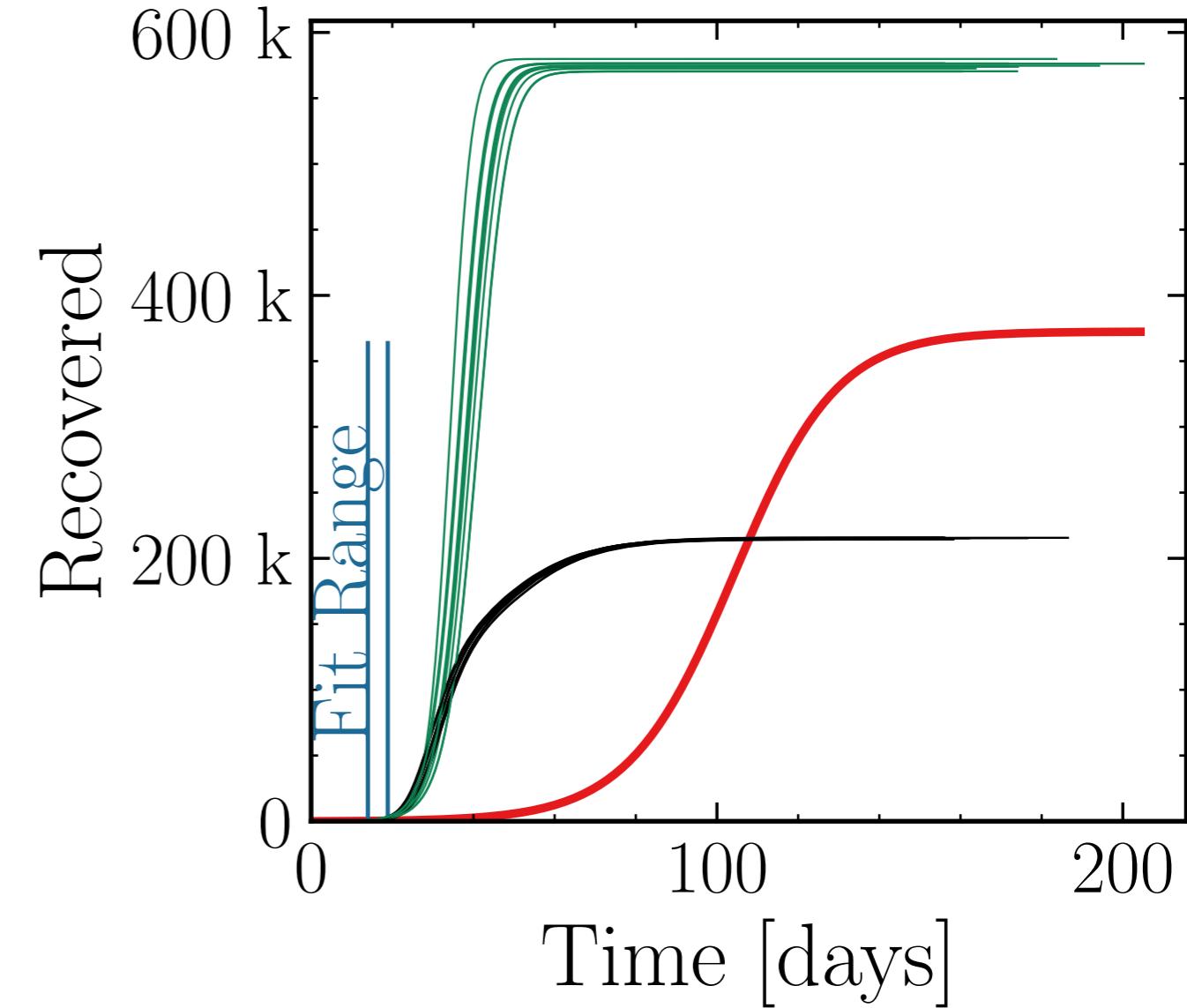
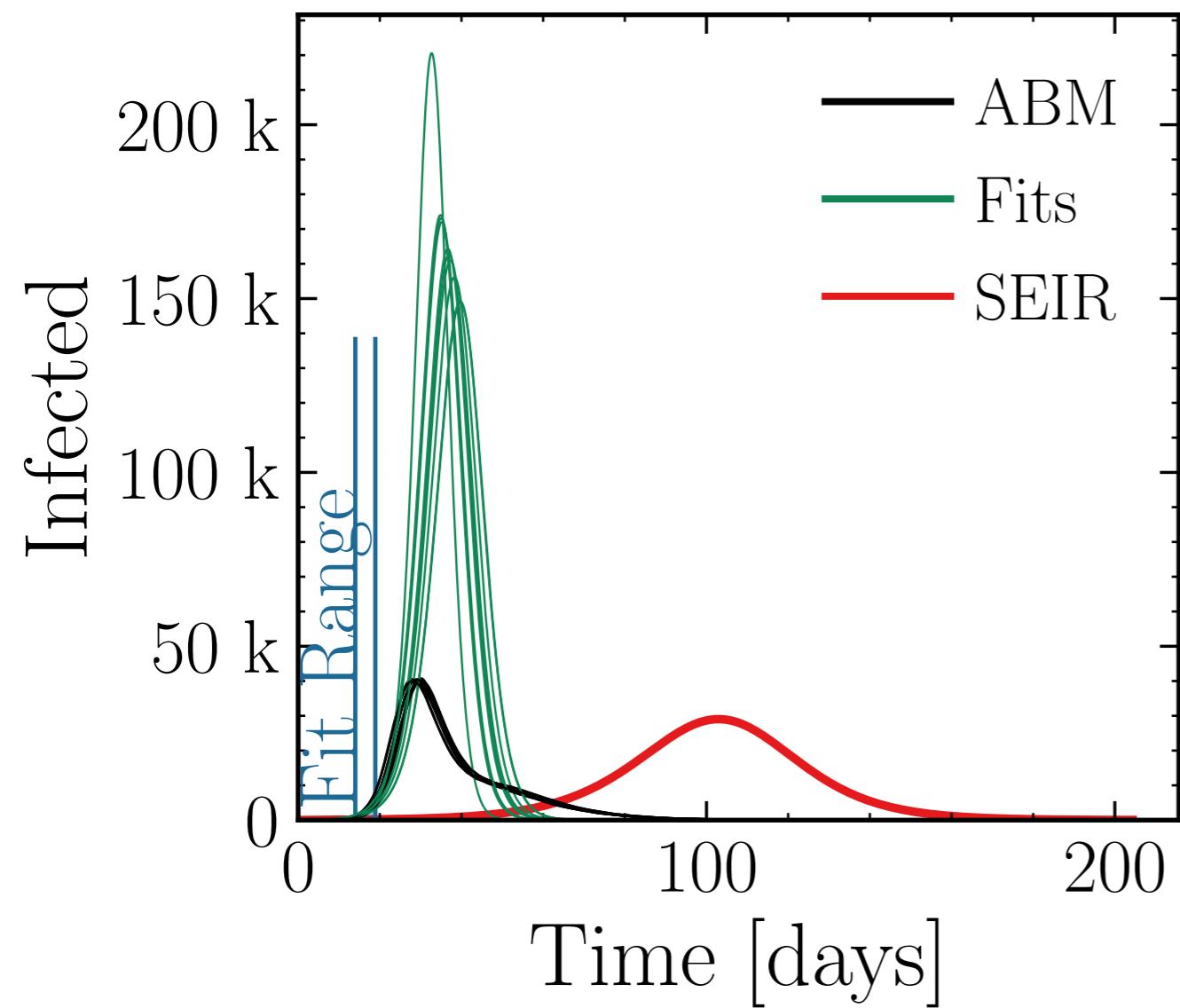
$$I_{\text{max}}^{\text{fit}} = (168 \pm 3.7\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 4.2 \pm 0.15$$

$$\text{v.} = 1.0, \text{hash} = \text{c5c5820f6a}\#\text{10}$$

$$R_{\infty}^{\text{fit}} = (574.6 \pm 0.15\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 2.671 \pm 0.0037$$



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

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

$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

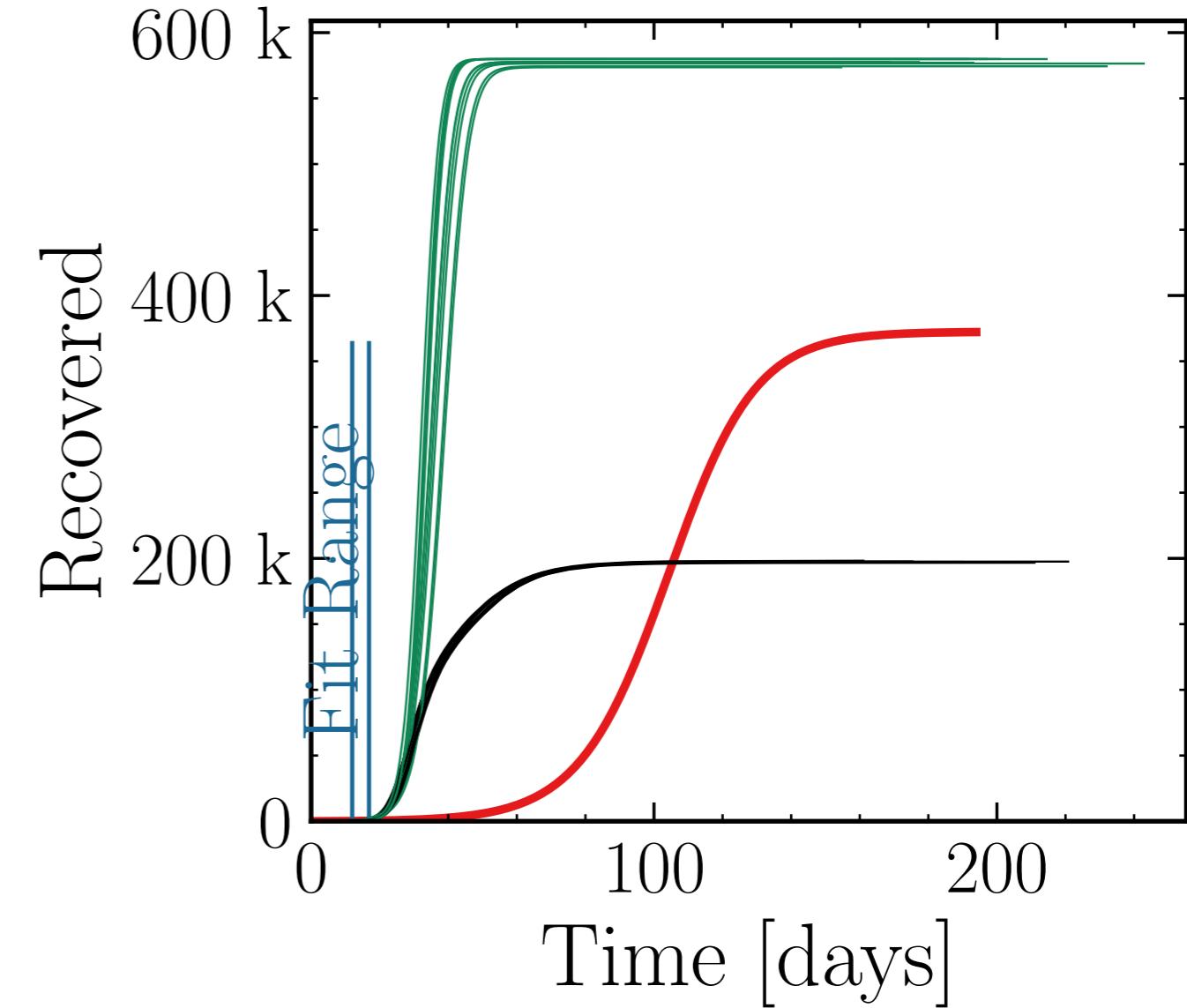
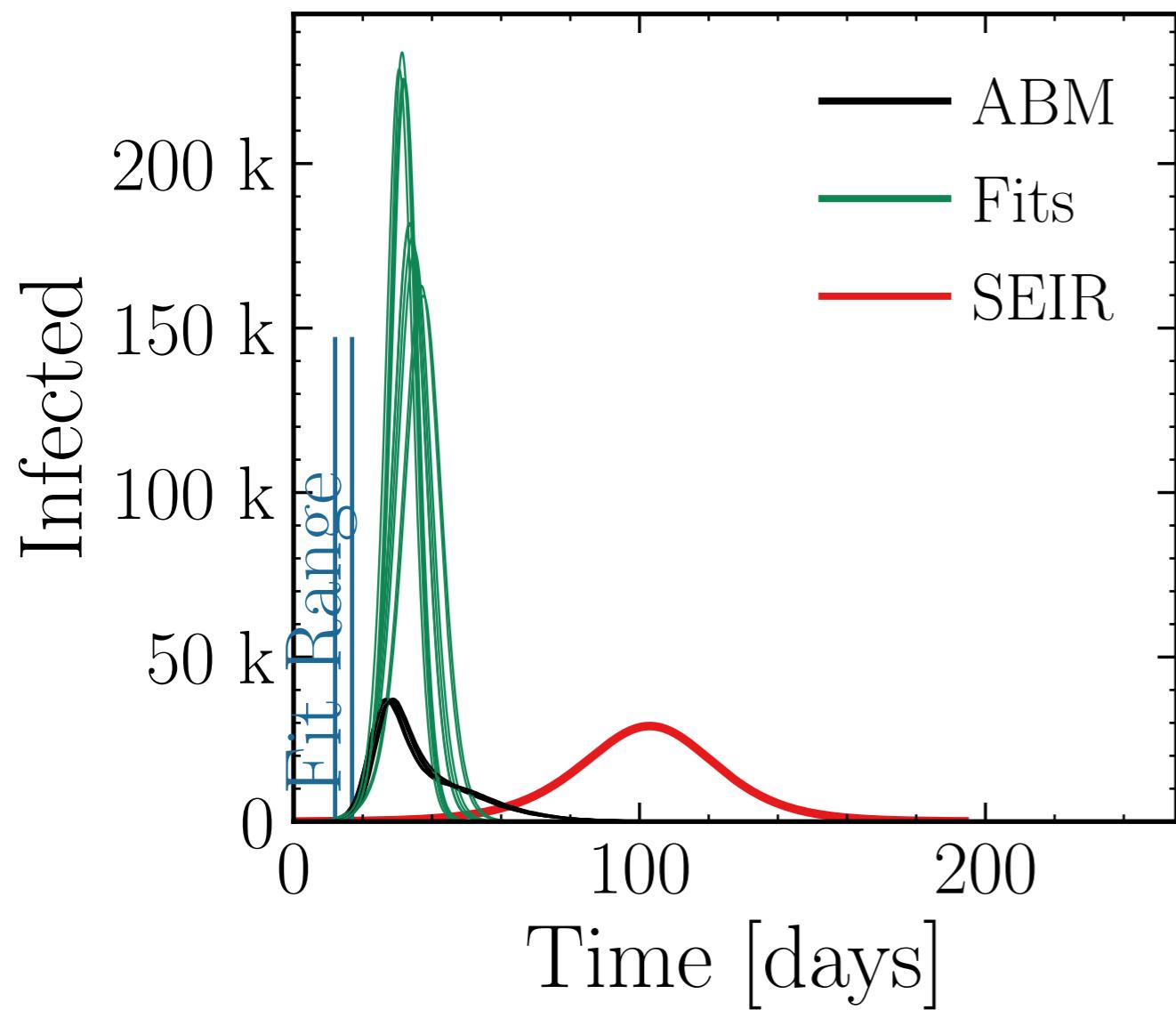
$$I_{\text{max}}^{\text{fit}} = (195 \pm 4.6\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 5.2 \pm 0.24$$

$$\text{v.} = 1.0, \text{hash} = 5ed3238193, \#10$$

$$R_{\infty}^{\text{fit}} = (577.7 \pm 0.12\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 2.926 \pm 0.0041$$



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

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

$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

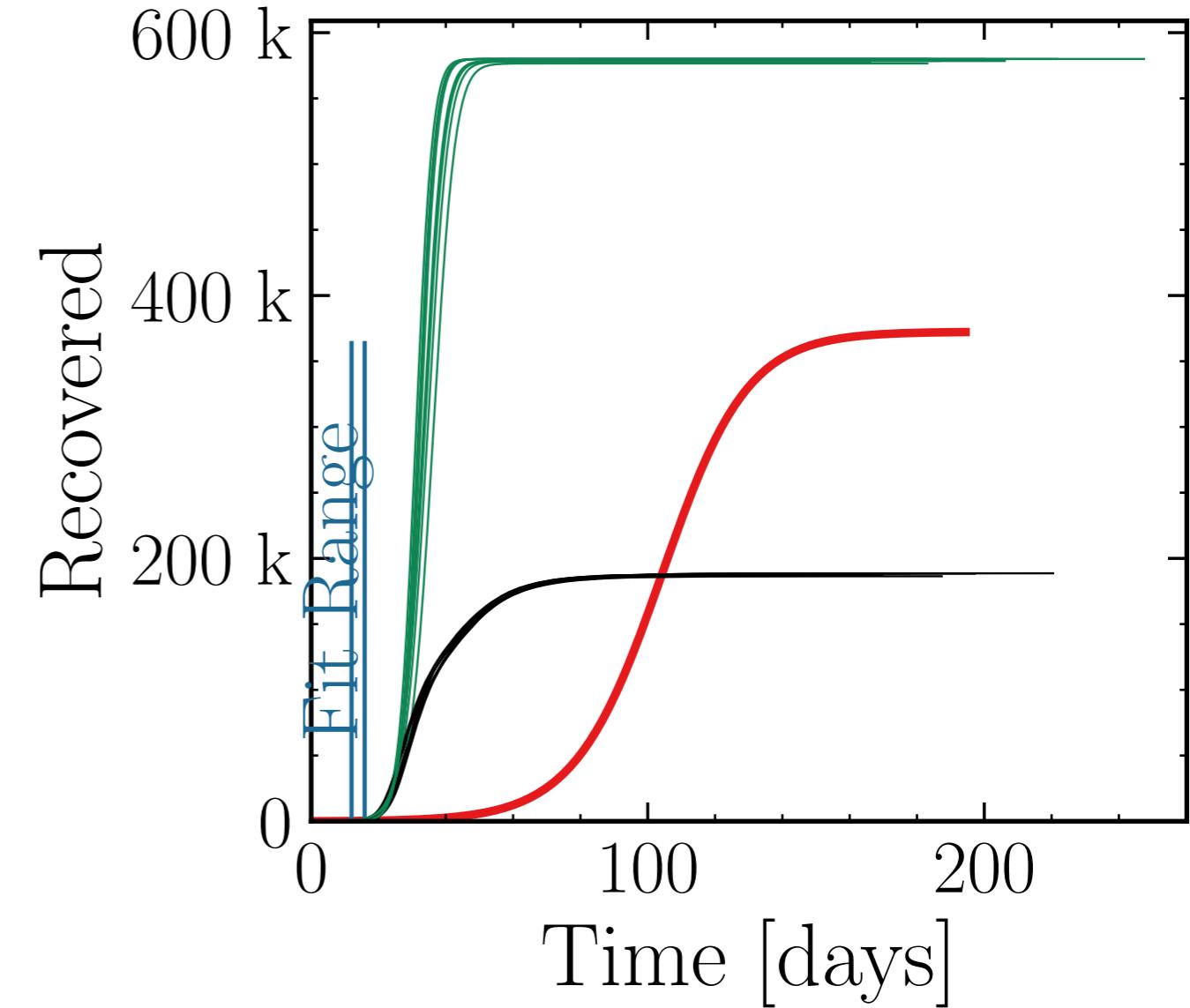
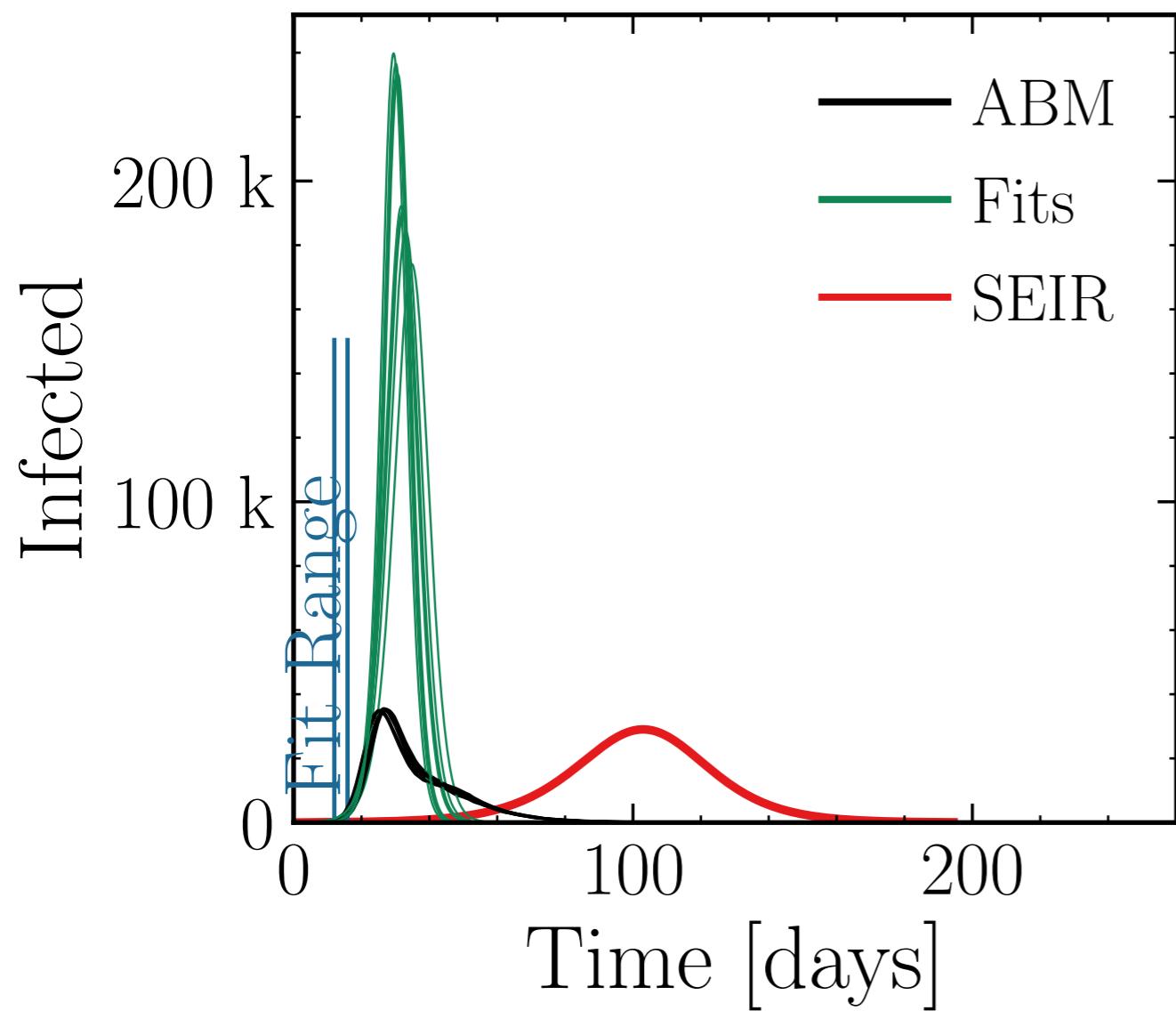
$$I_{\text{max}}^{\text{fit}} = (210 \pm 3.7\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 6 \pm 0.22$$

$$\text{v.} = 1.0, \text{hash} = 7048d9a080, \#10$$

$$R_{\infty}^{\text{fit}} = (579 \pm 0.06\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 3.084 \pm 0.0032$$



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

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

$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

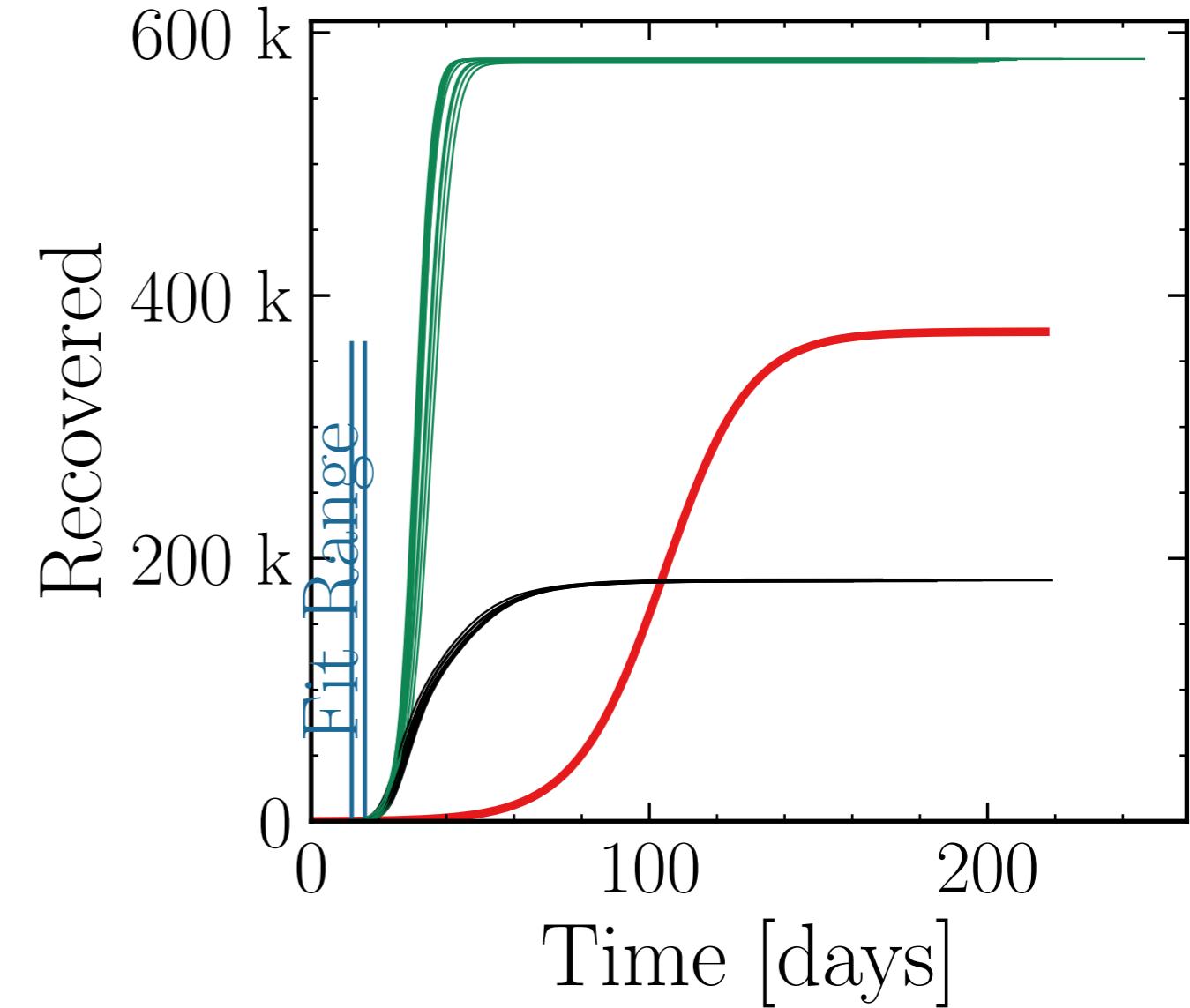
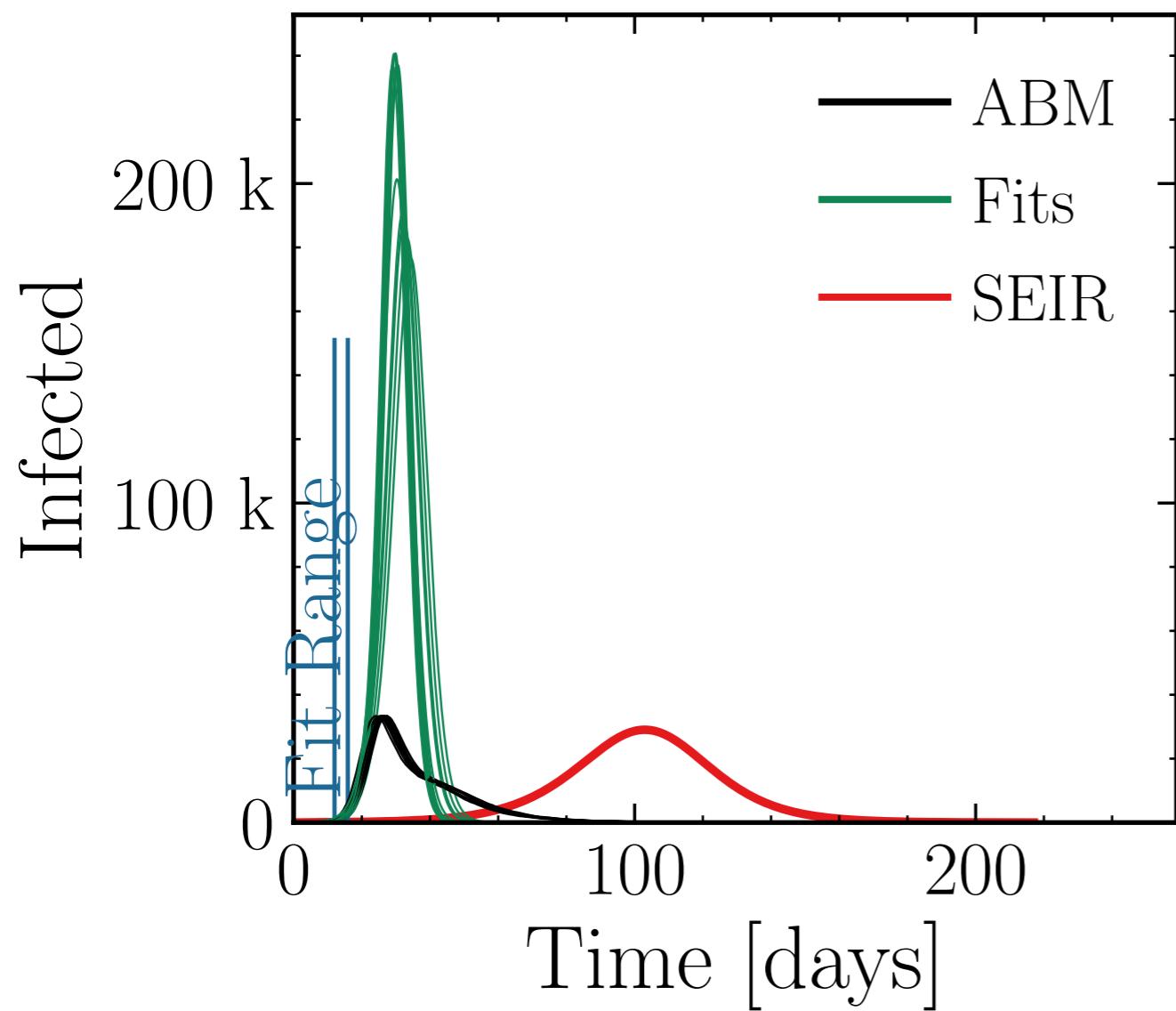
$$I_{\text{max}}^{\text{fit}} = (213 \pm 3.8\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 6.4 \pm 0.25$$

$$\text{v.} = 1.0, \text{hash} = 525054918a, \#10$$

$$R_{\infty}^{\text{fit}} = (579.1 \pm 0.057\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 3.16 \pm 0.0027$$



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

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

$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

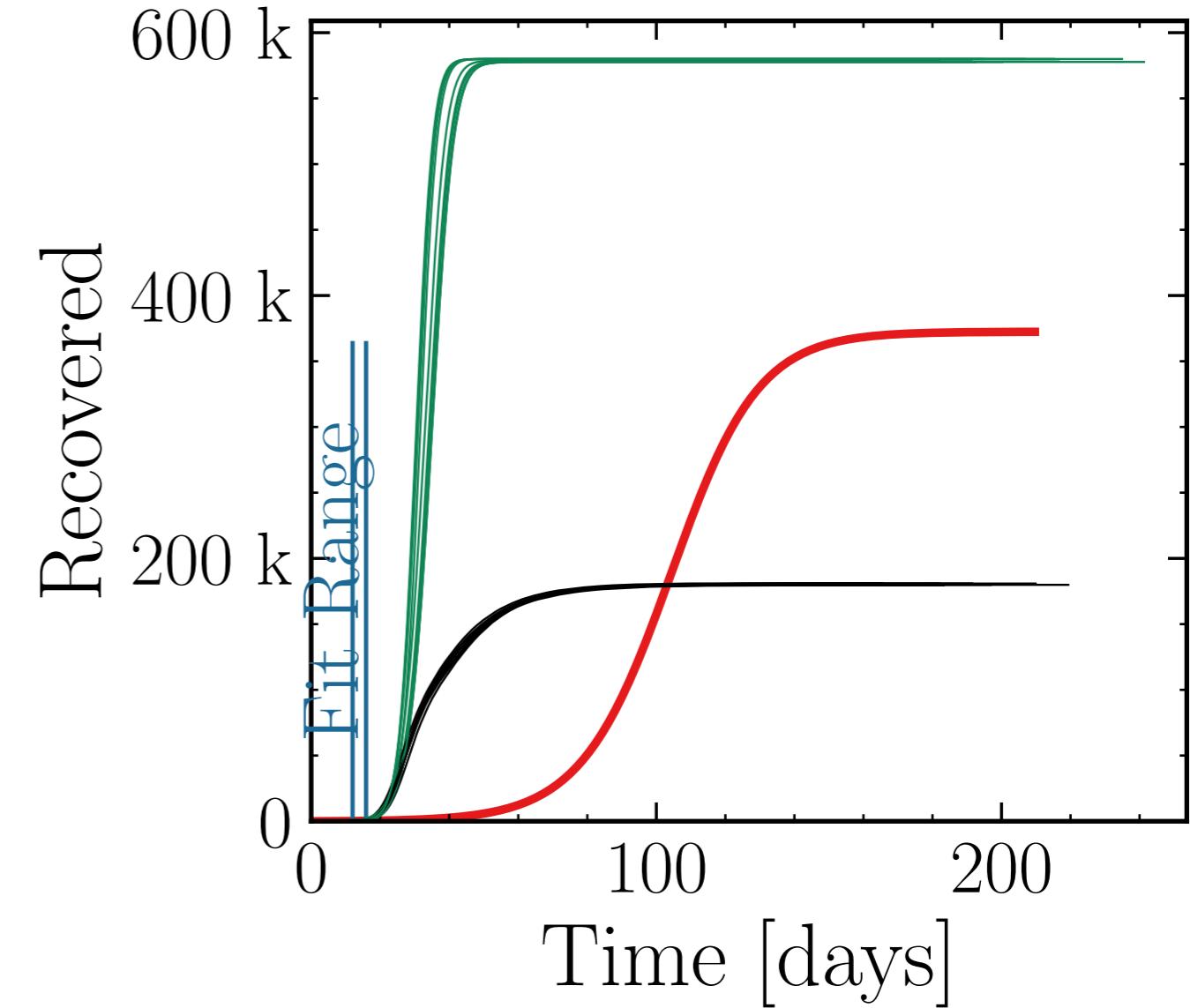
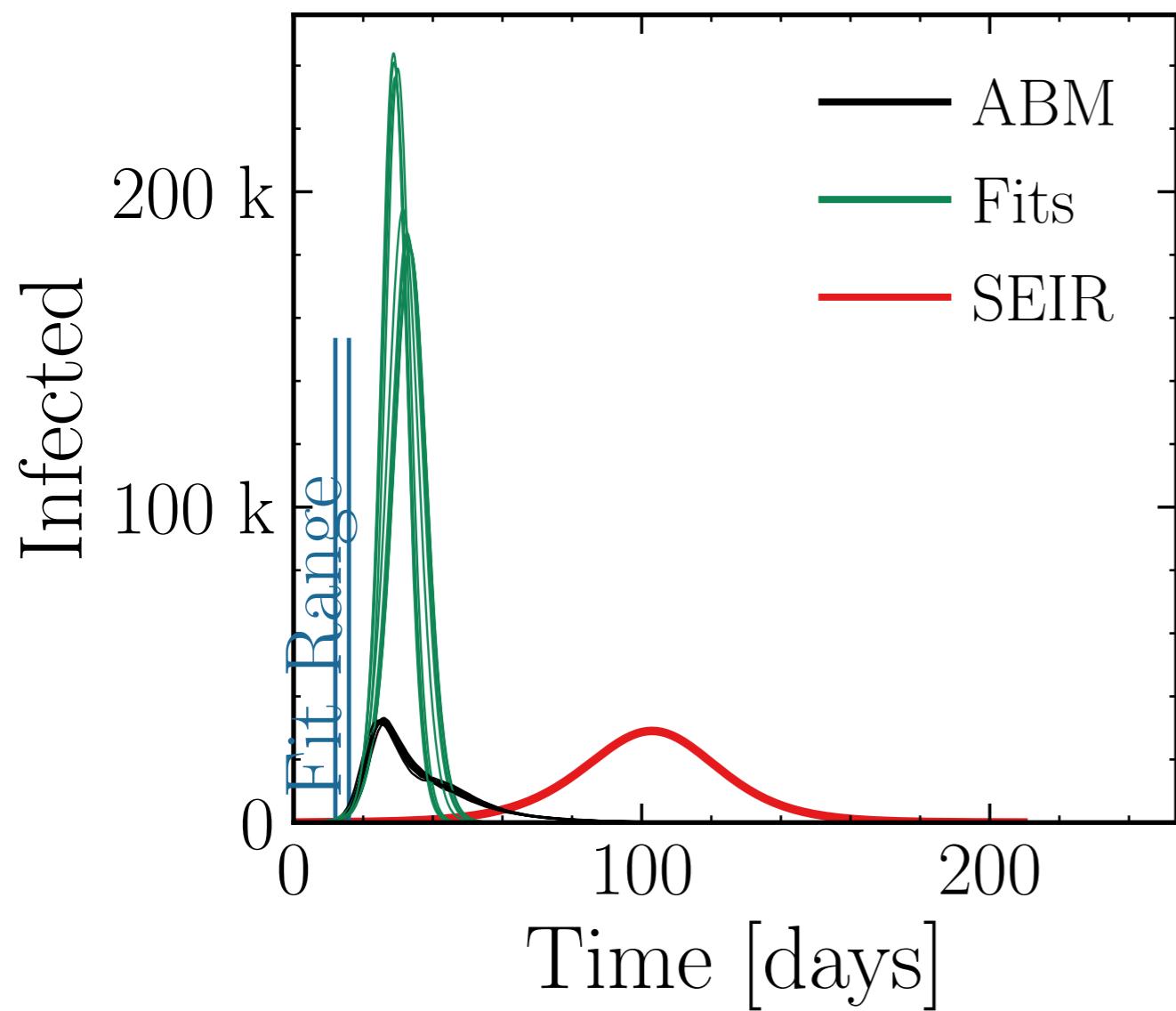
$$I_{\text{max}}^{\text{fit}} = (207 \pm 4.1\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 6.4 \pm 0.26$$

$$\text{v.} = 1.0, \text{hash} = 5da29ee353, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (578.8 \pm 0.055\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{fit}}} = 3.209 \pm 0.0035$$



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

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

$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

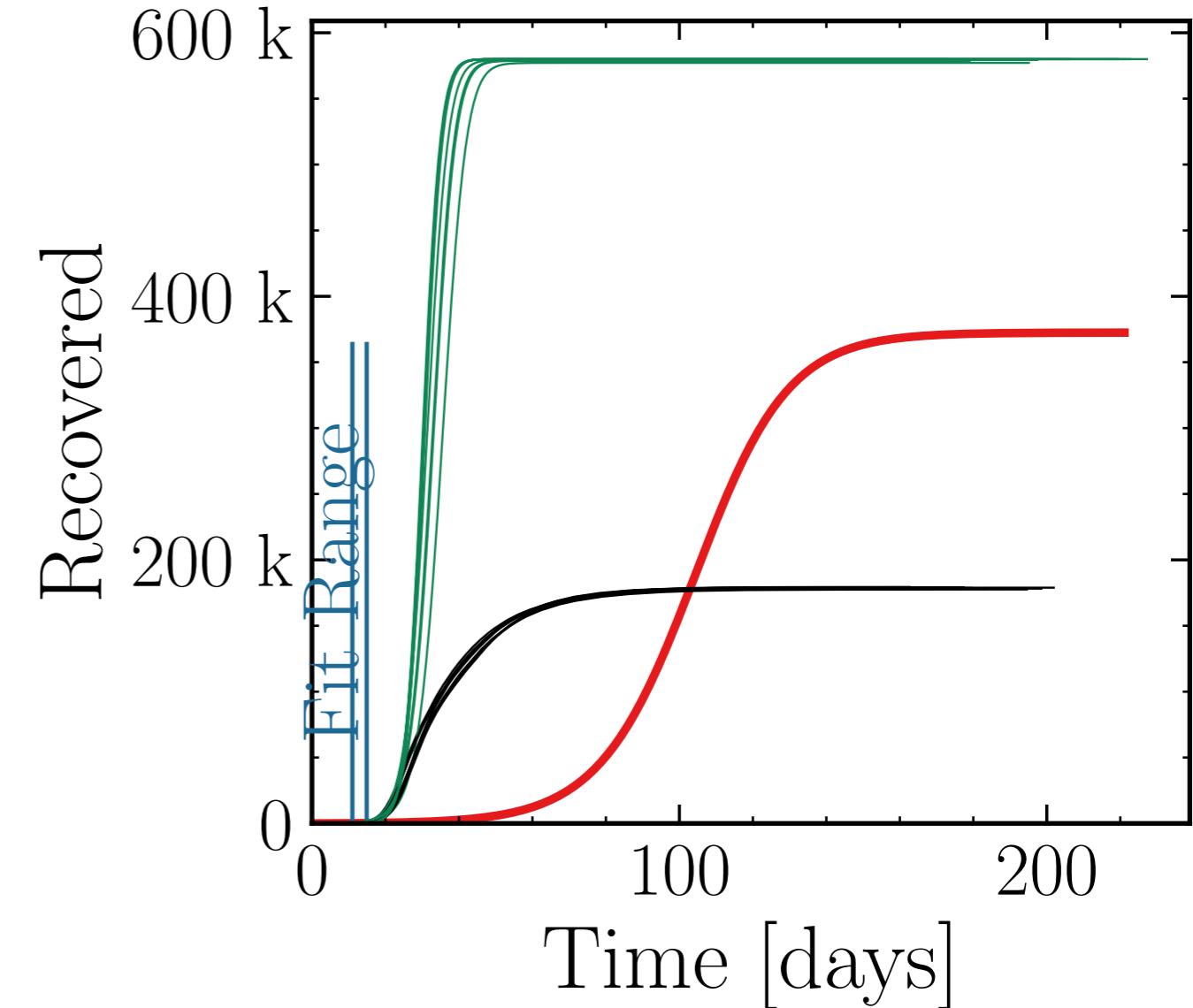
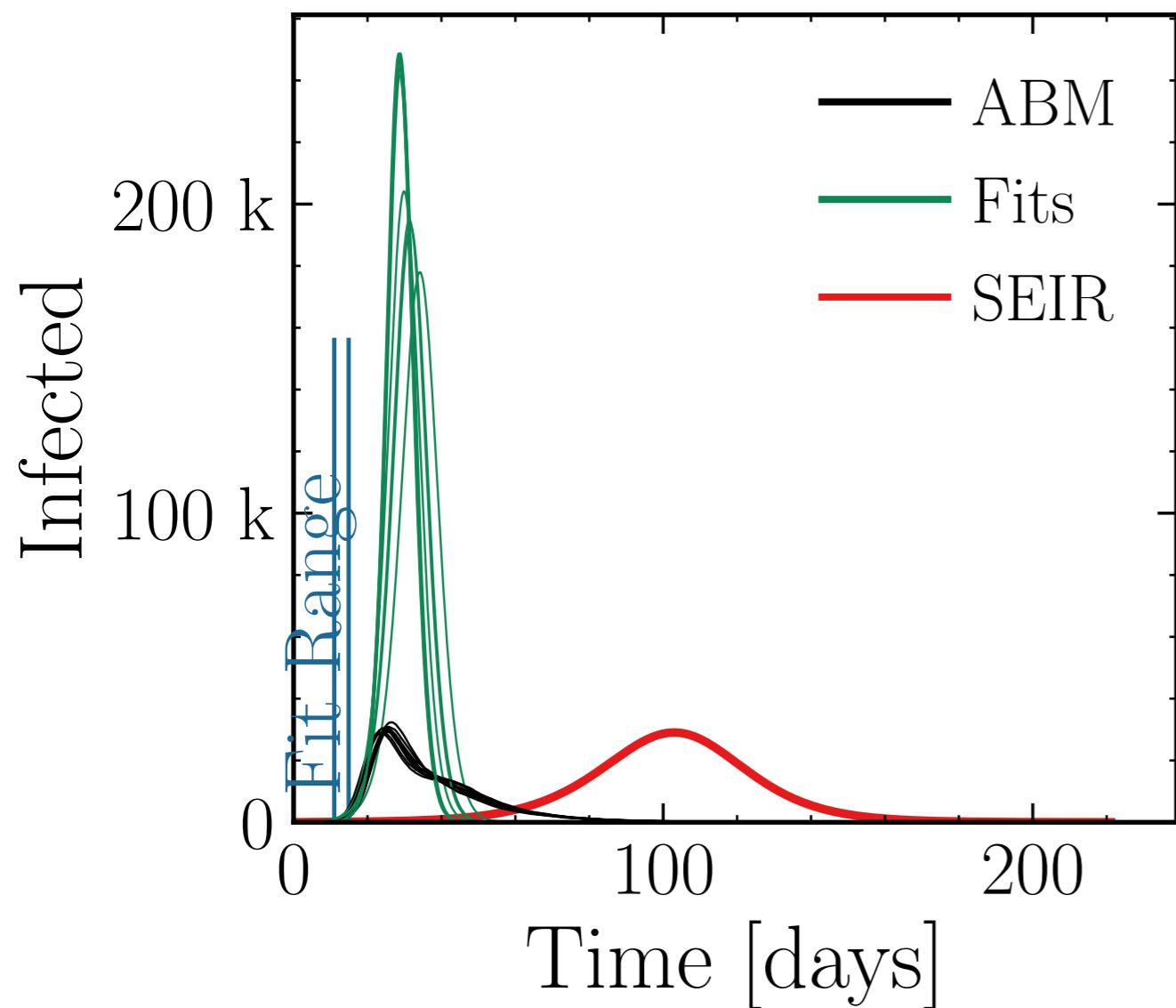
$$I_{\text{max}}^{\text{fit}} = (225 \pm 3.8\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 7.5 \pm 0.27$$

$$\text{v.} = 1.0, \text{hash} = 100943cc7d, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (579.4 \pm 0.048\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{fit}}} = 3.246 \pm 0.0044$$



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

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

$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

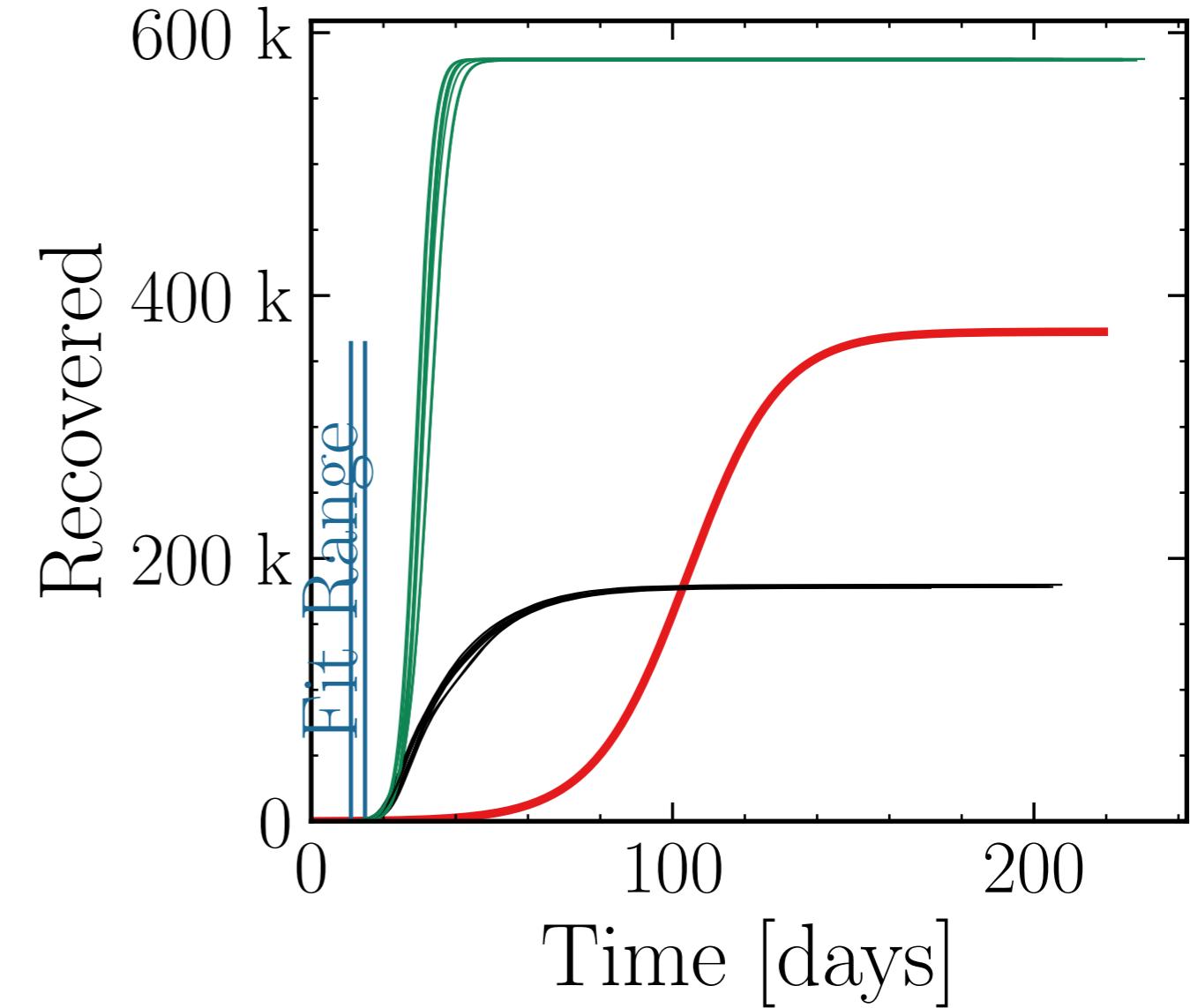
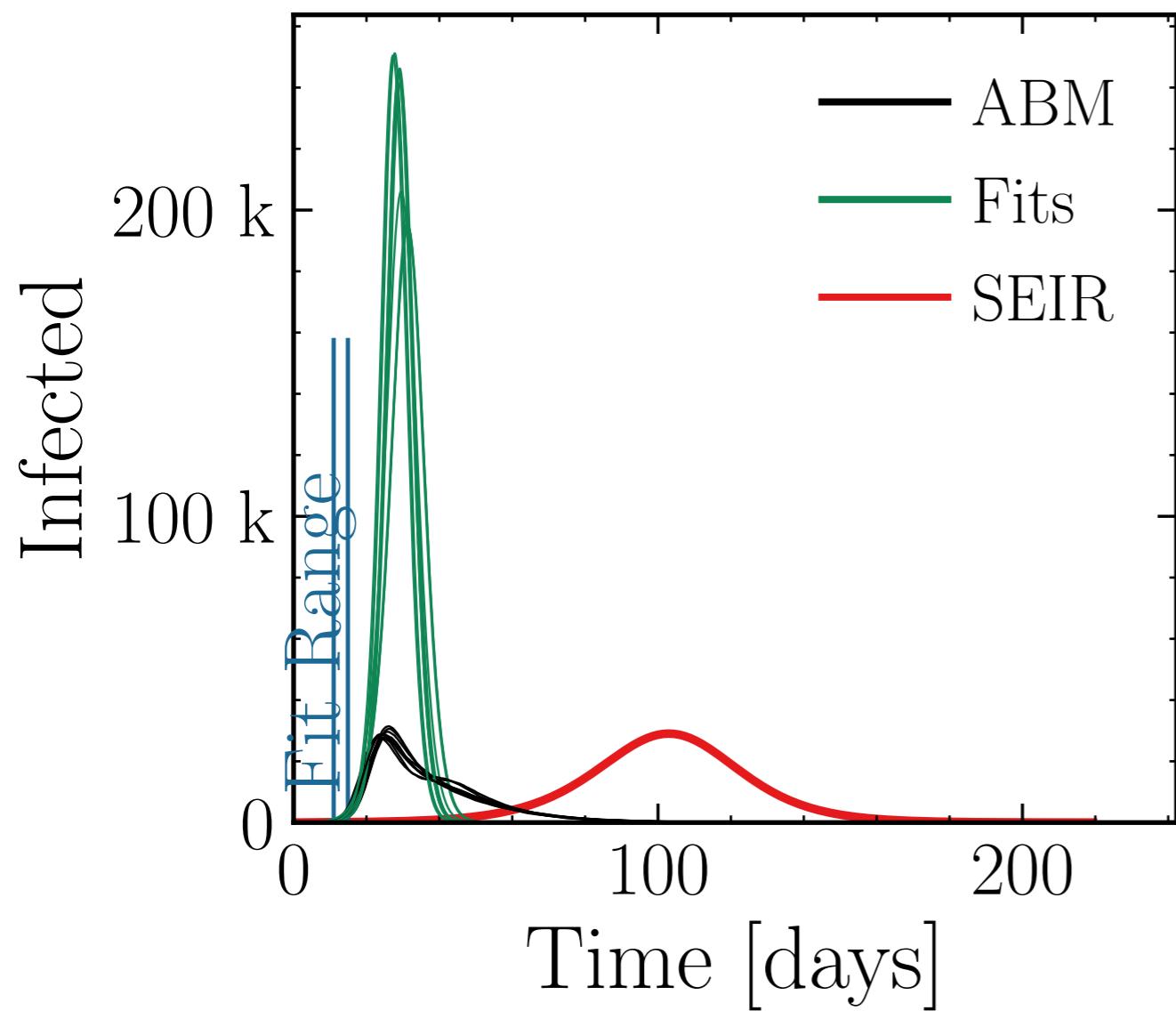
$$I_{\text{max}}^{\text{fit}} = (227 \pm 3.4\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 7.8 \pm 0.26$$

$$\text{v.} = 1.0, \text{hash} = 56a4296228, \#10$$

$$R_{\infty}^{\text{fit}} = (579.6 \pm 0.027\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 3.244 \pm 0.0040$$



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

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

$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

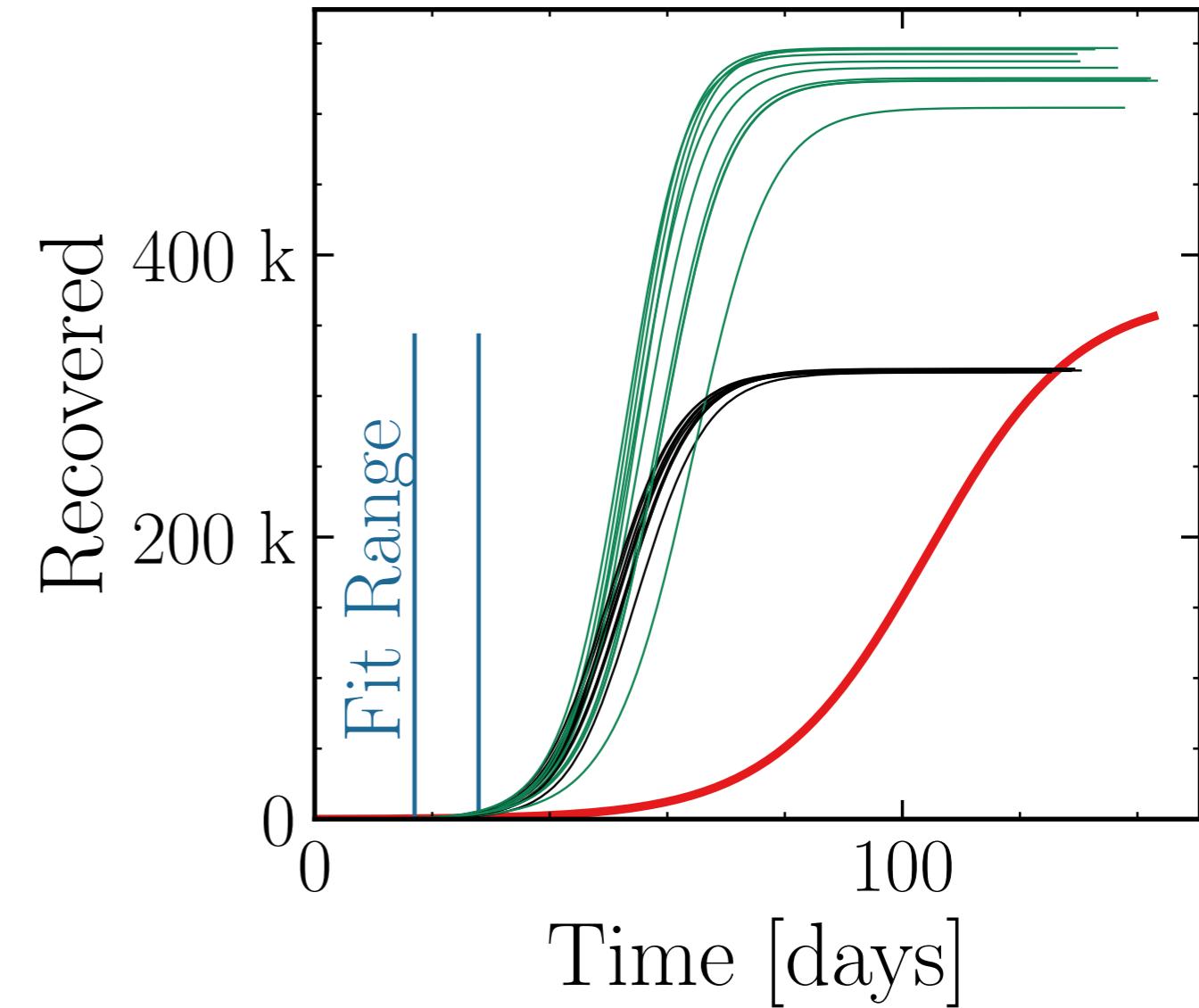
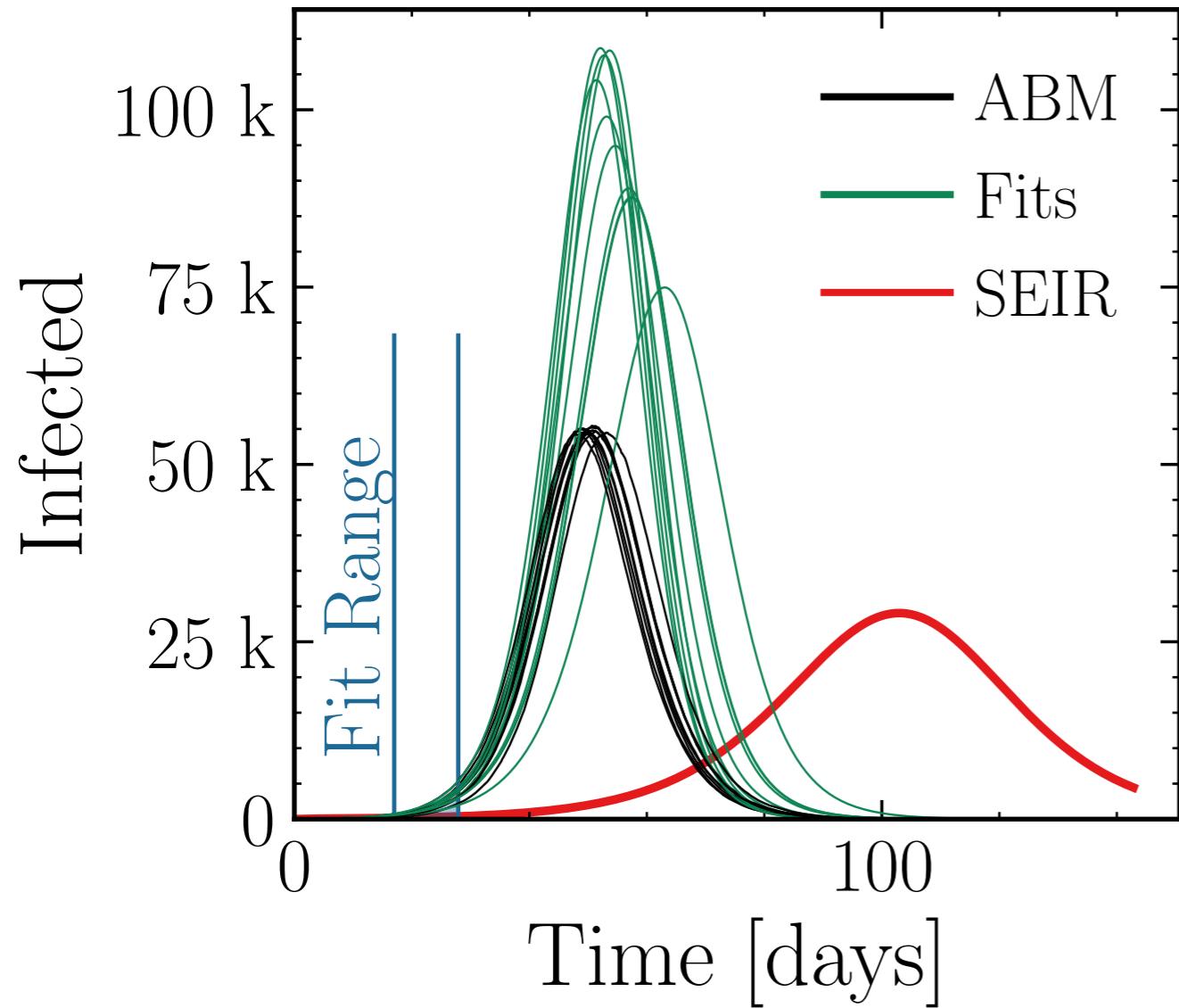
$$I_{\text{max}}^{\text{fit}} = (96 \pm 3.5\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1.76 \pm 0.063$$

$$\text{v.} = 1.0, \text{hash} = 66cb5b3355\#\#10$$

$$R_{\infty}^{\text{fit}} = (533 \pm 0.77\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.68 \pm 0.013$$



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

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

$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

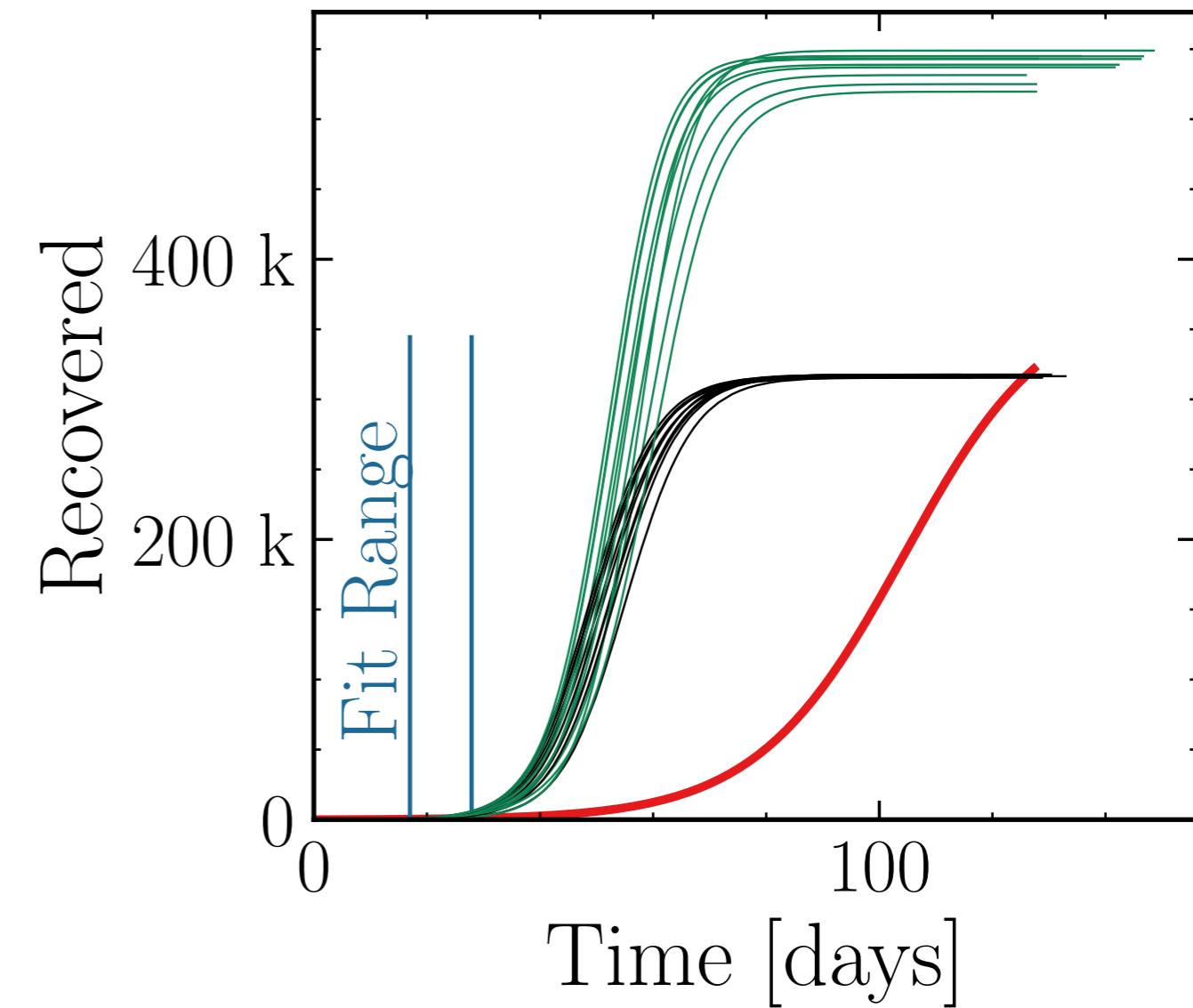
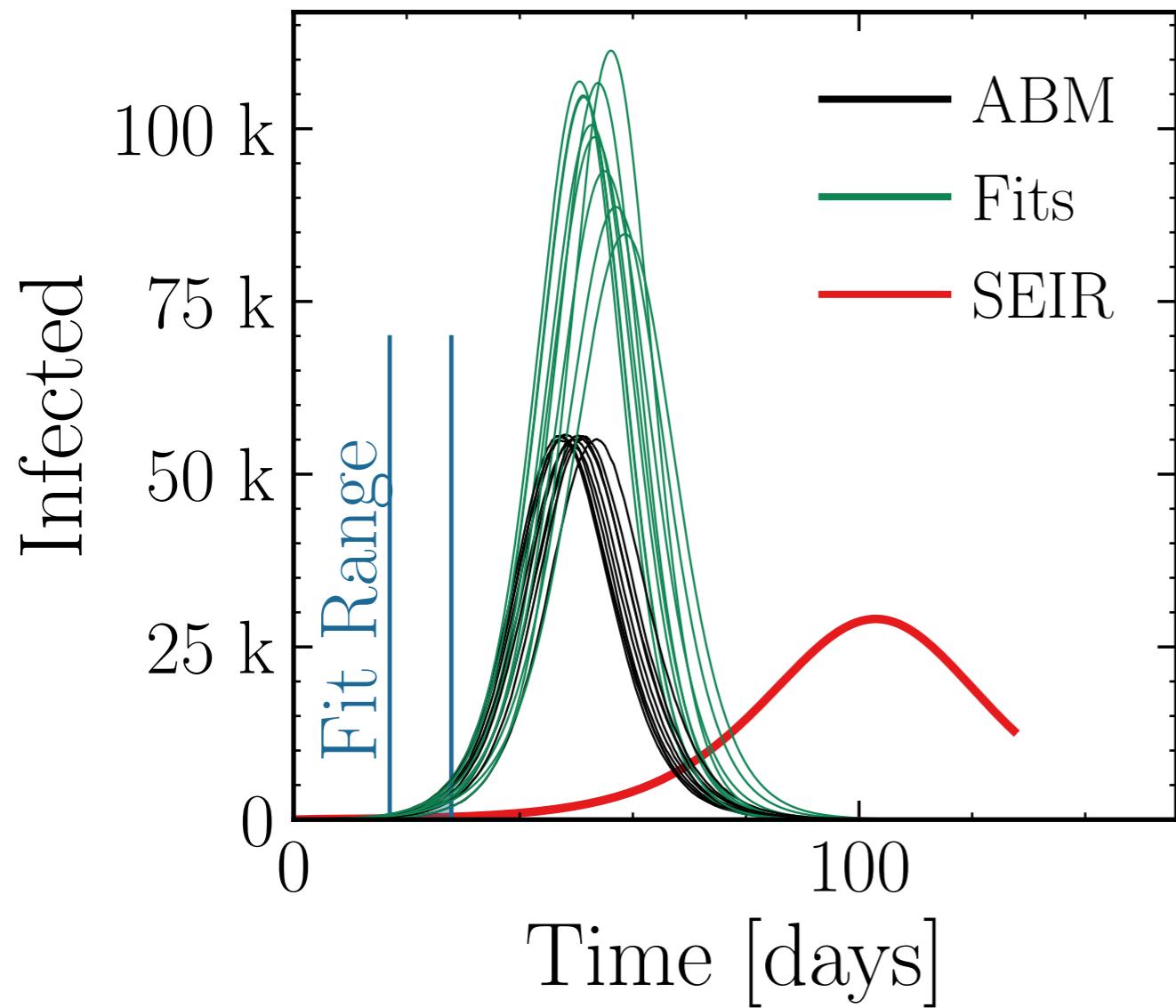
$$I_{\text{max}}^{\text{fit}} = (100 \pm 2.6\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1.81 \pm 0.047$$

$$\text{v.} = 1.0, \text{hash} = 4fe59a06db, \#10$$

$$R_{\infty}^{\text{fit}} = (538 \pm 0.53\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.698 \pm 0.0093$$



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

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

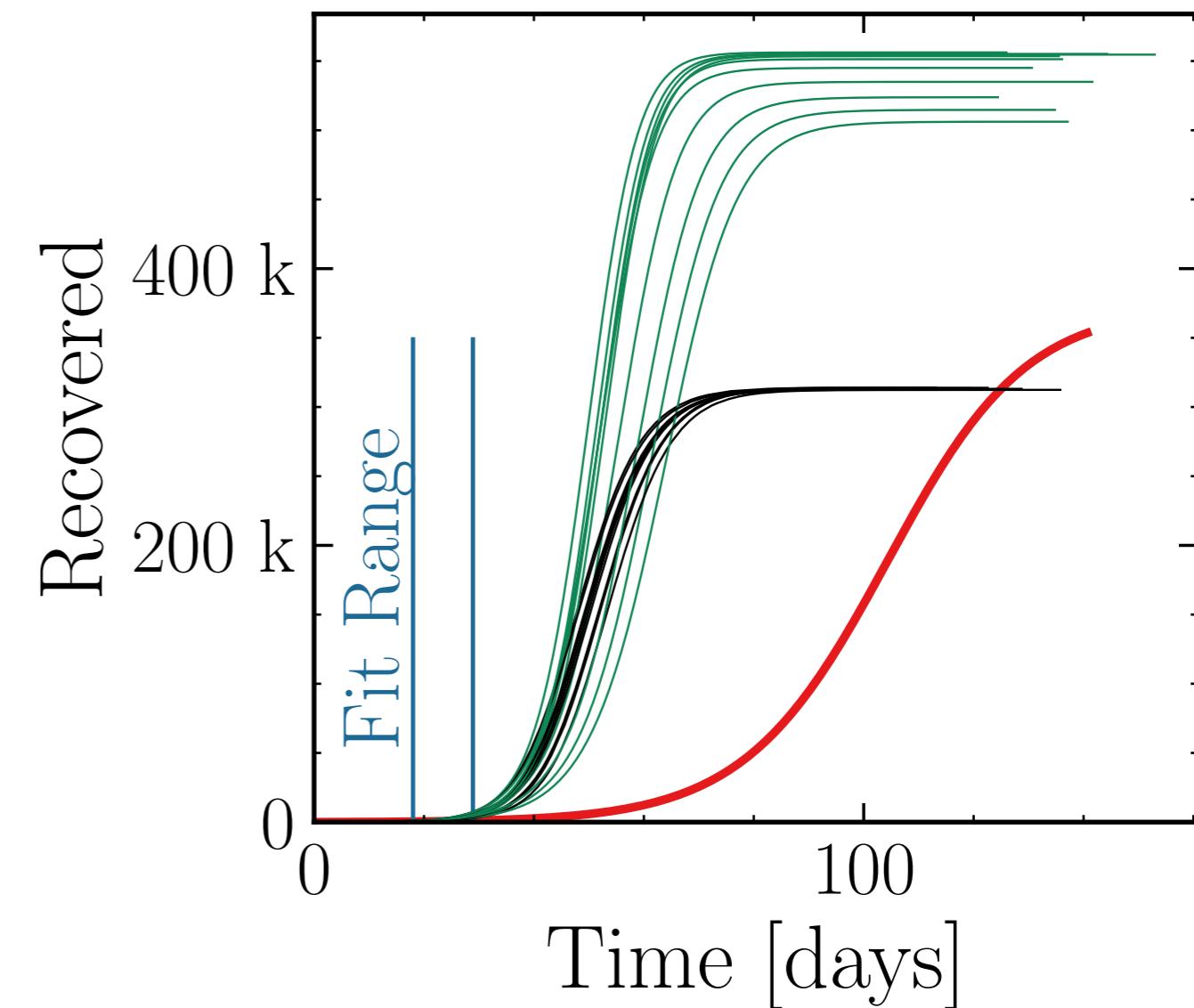
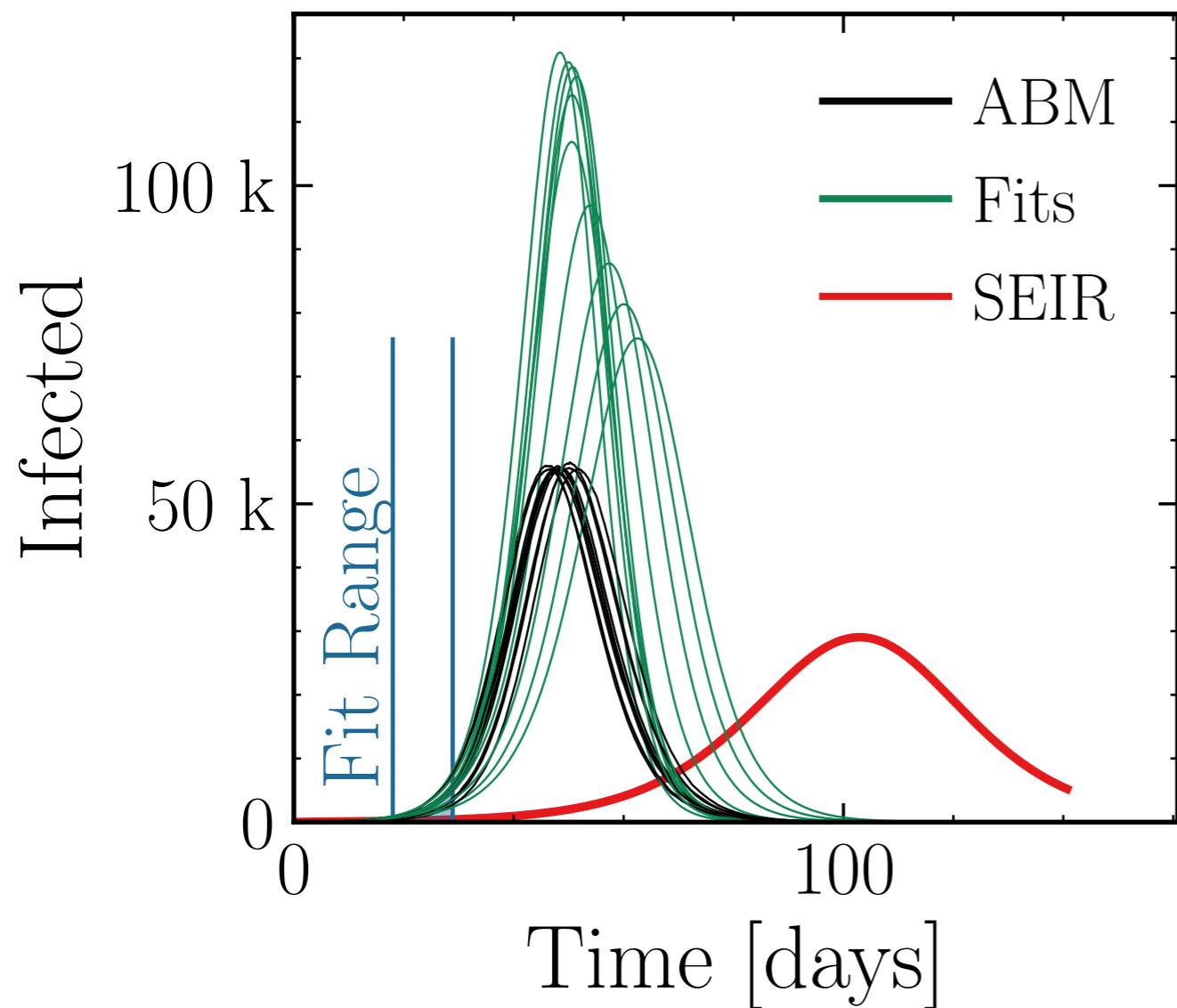
$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

$$I_{\text{max}}^{\text{fit}} = (104 \pm 4.9\%) \cdot 10^3$$

$$\frac{I_{\text{ABM}}^{\text{fit}}}{I_{\text{max}}^{\text{fit}}} = 1.87 \pm 0.093 \quad v. = 1.0, \text{hash} = 280cfa1dfc \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (540 \pm 1.0\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.72 \pm 0.018$$



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

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

$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

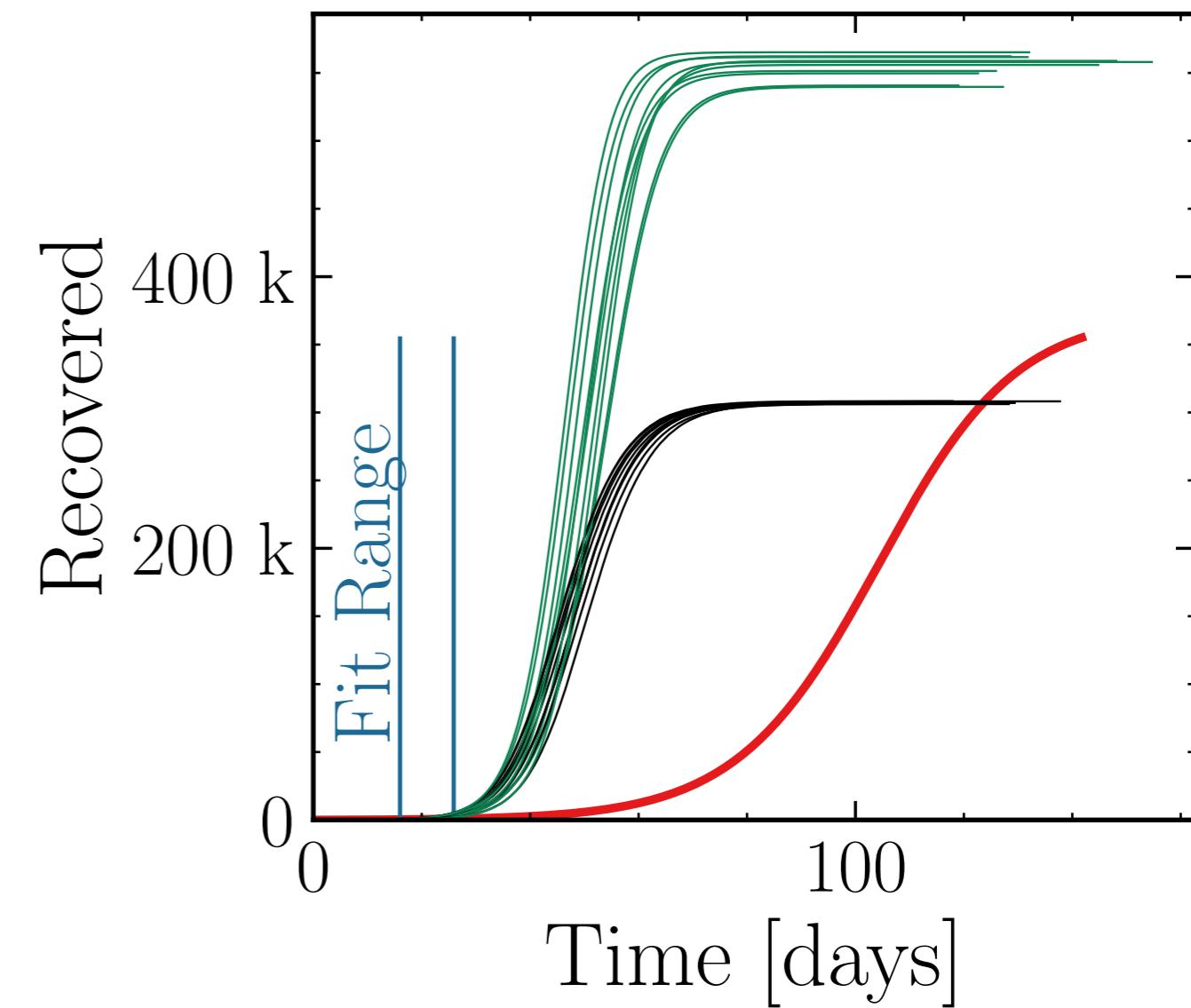
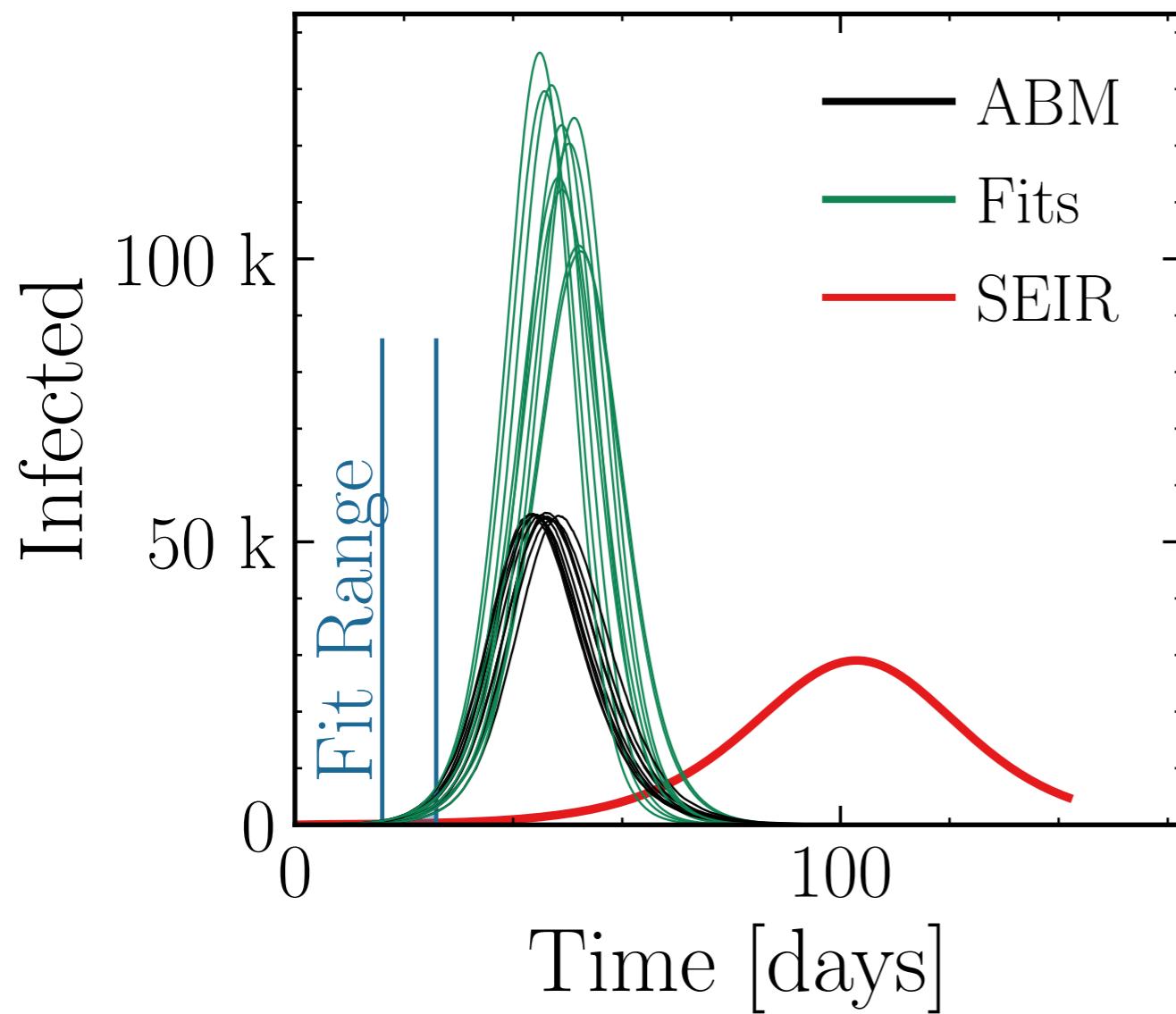
$$I_{\text{max}}^{\text{fit}} = (120 \pm 3.0\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 2.19 \pm 0.063$$

$$\text{v.} = 1.0, \text{hash} = 9000340832, \#10$$

$$R_{\infty}^{\text{fit}} = (554 \pm 0.48\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.805 \pm 0.0083$$



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

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

$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

$$I_{\text{max}}^{\text{fit}} = (122 \pm 3.5\%) \cdot 10^3$$

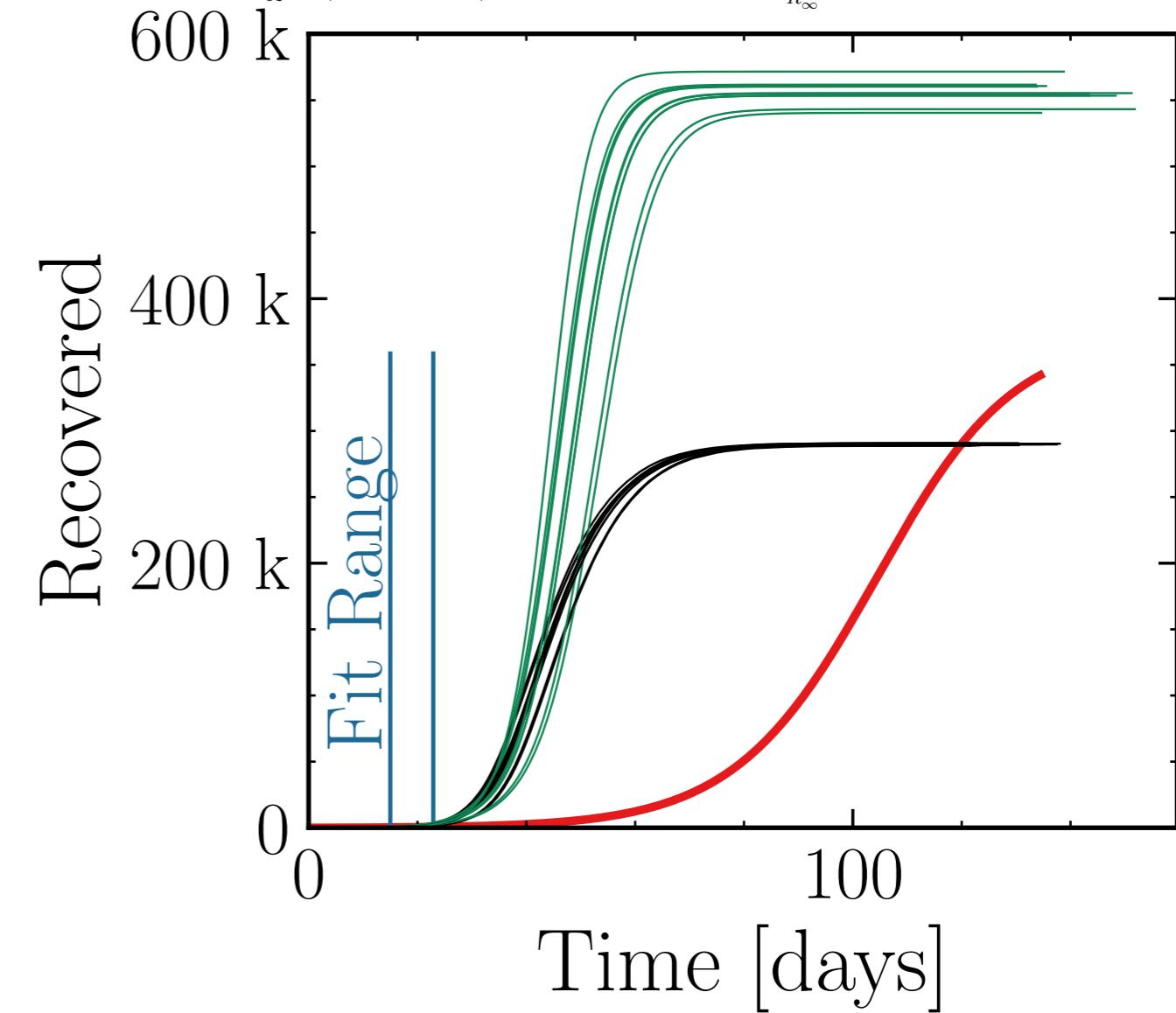
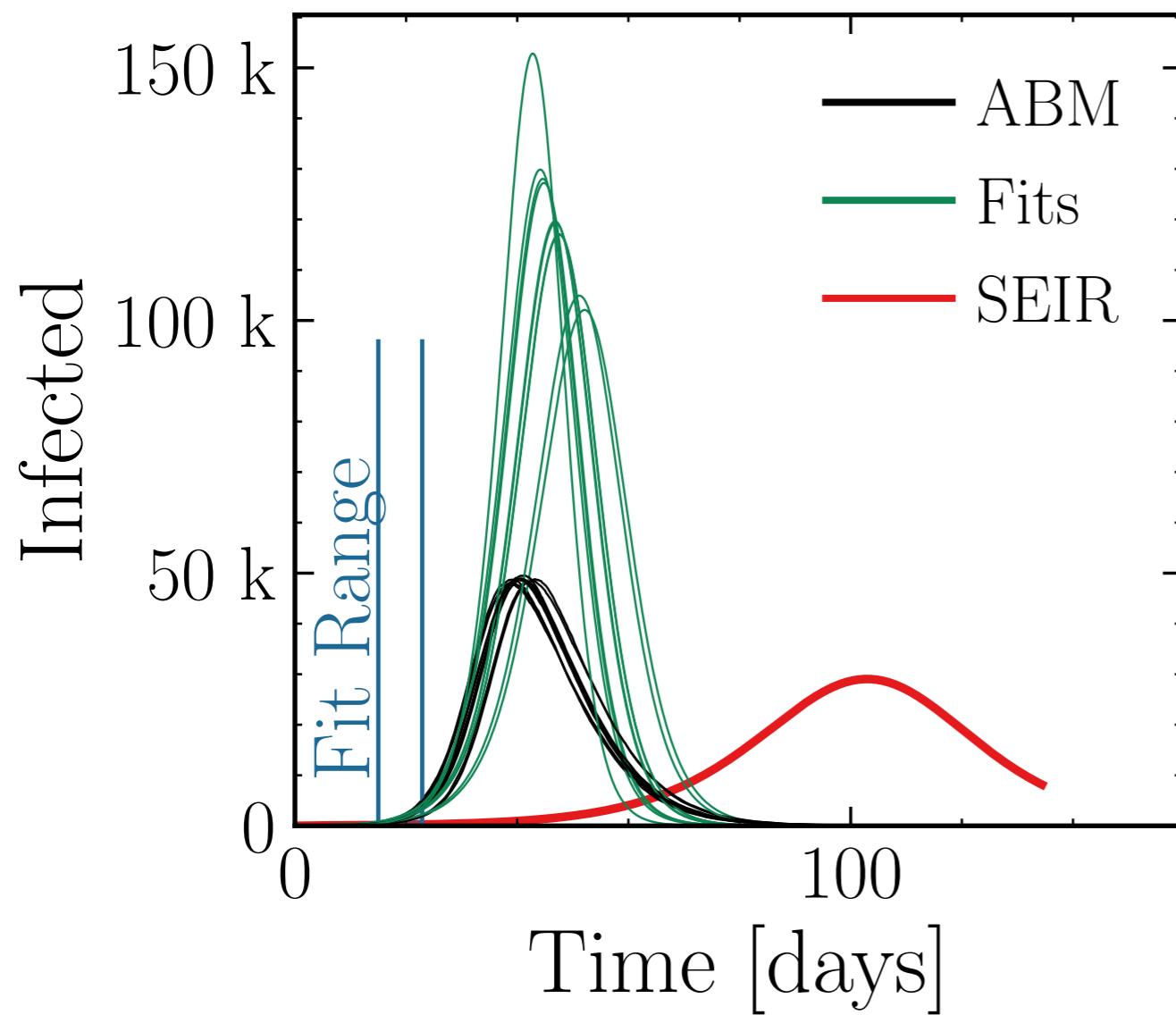
$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 2.5 \pm 0.088$$

$$\nu = 1.0$$

$$\text{hash} = 02b10d7291, \#10$$

$$R_{\infty}^{\text{fit}} = (556 \pm 0.49\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.917 \pm 0.0090$$



$N_{\text{tot}} = 580K$, $\rho = 0.05$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 1.0$, $\beta = 0.01$, $\sigma_\beta = 1.0$, 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_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β scaling} = 10.0, event_{weekendmultiplier} = 1.0

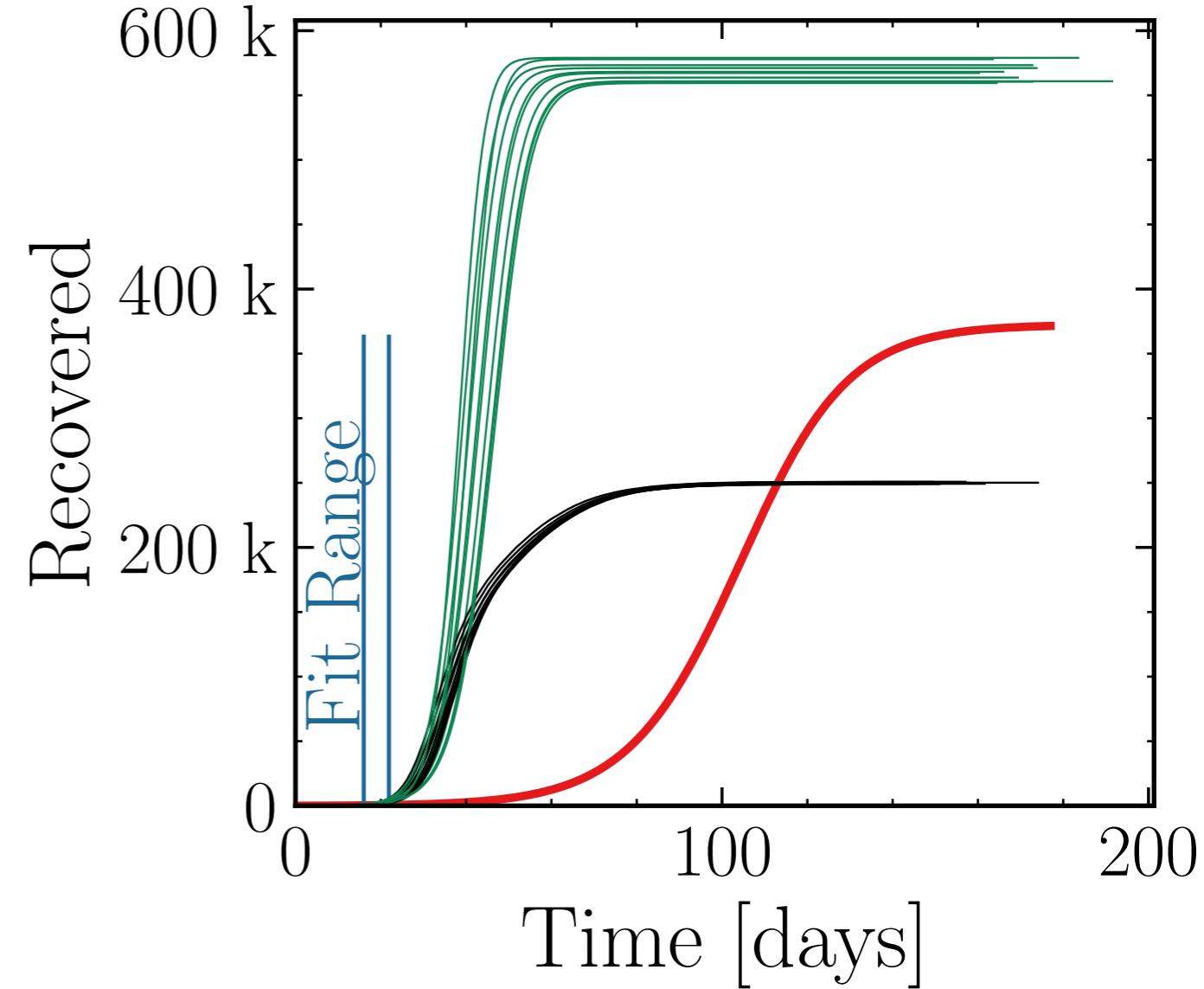
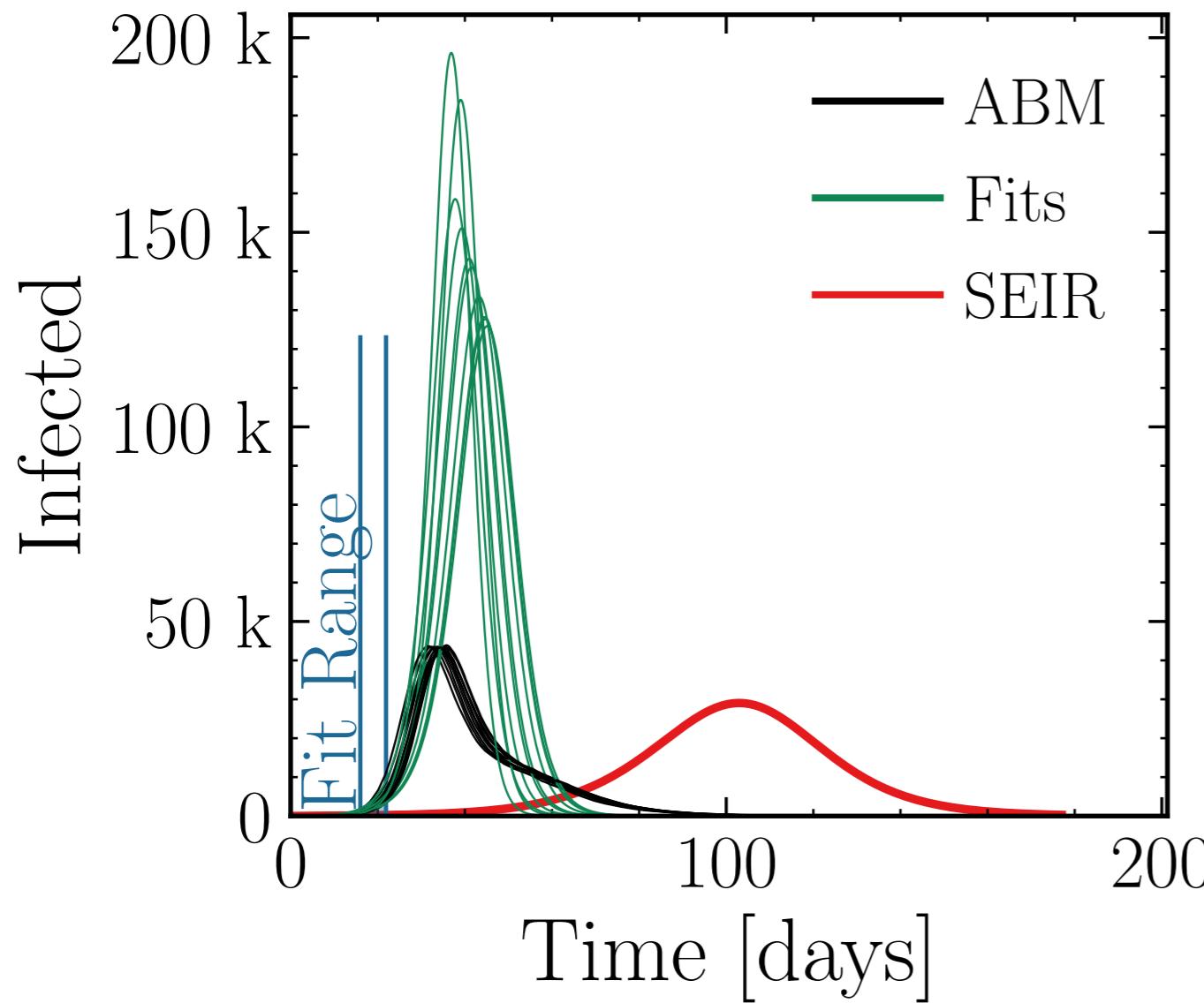
$$I_{\text{max}}^{\text{fit}} = (149 \pm 4.9\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 3.4 \pm 0.16$$

$$\text{v.} = 1.0, \text{hash} = \text{ded4e51df0}, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (568 \pm 0.38\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 2.274 \pm 0.0096$$



$N_{\text{tot}} = 580K$, $\rho = 0.075$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 1.0$, $\beta = 0.01$, $\sigma_\beta = 1.0$, algo = 2, $N_{\text{init}} = 100$

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

$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

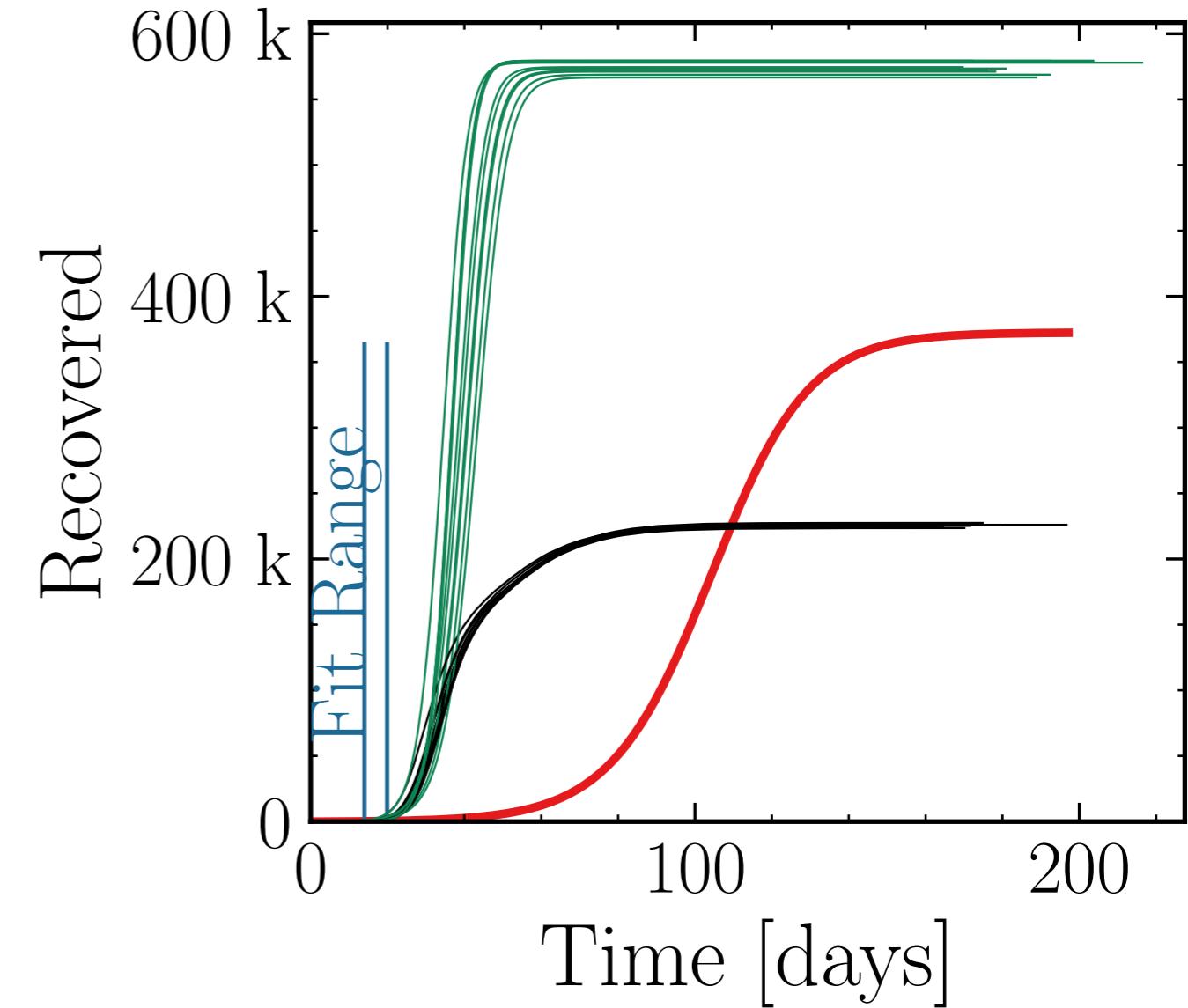
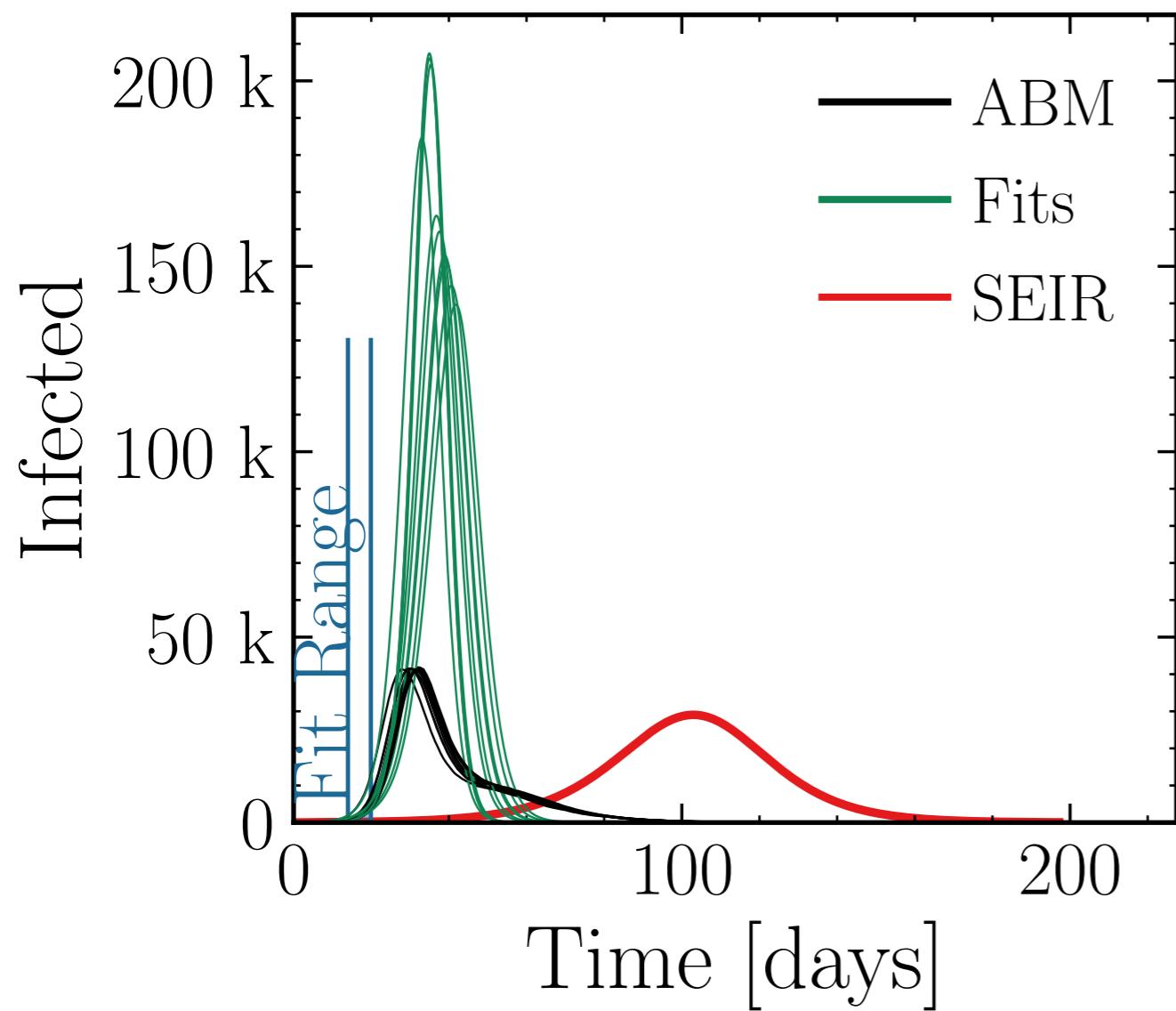
$$I_{\text{max}}^{\text{fit}} = (171 \pm 4.7\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 4.1 \pm 0.20$$

$$\text{v.} = 1.0, \text{hash} = 1\text{ca}05\text{d}43\text{fe}, \#10$$

$$R_{\infty}^{\text{fit}} = (574 \pm 0.25\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{fit}}} = 2.548 \pm 0.0078$$



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

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

$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

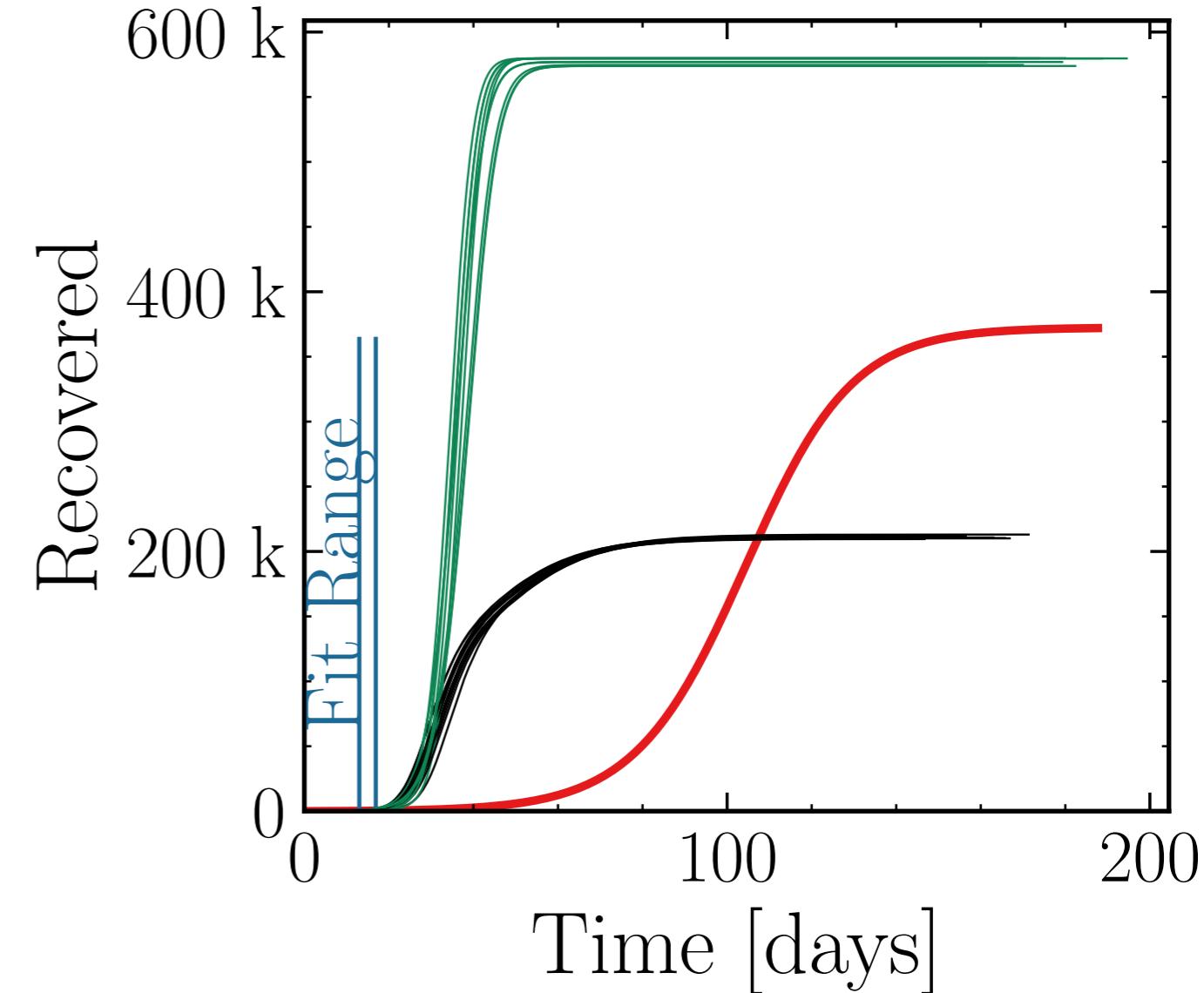
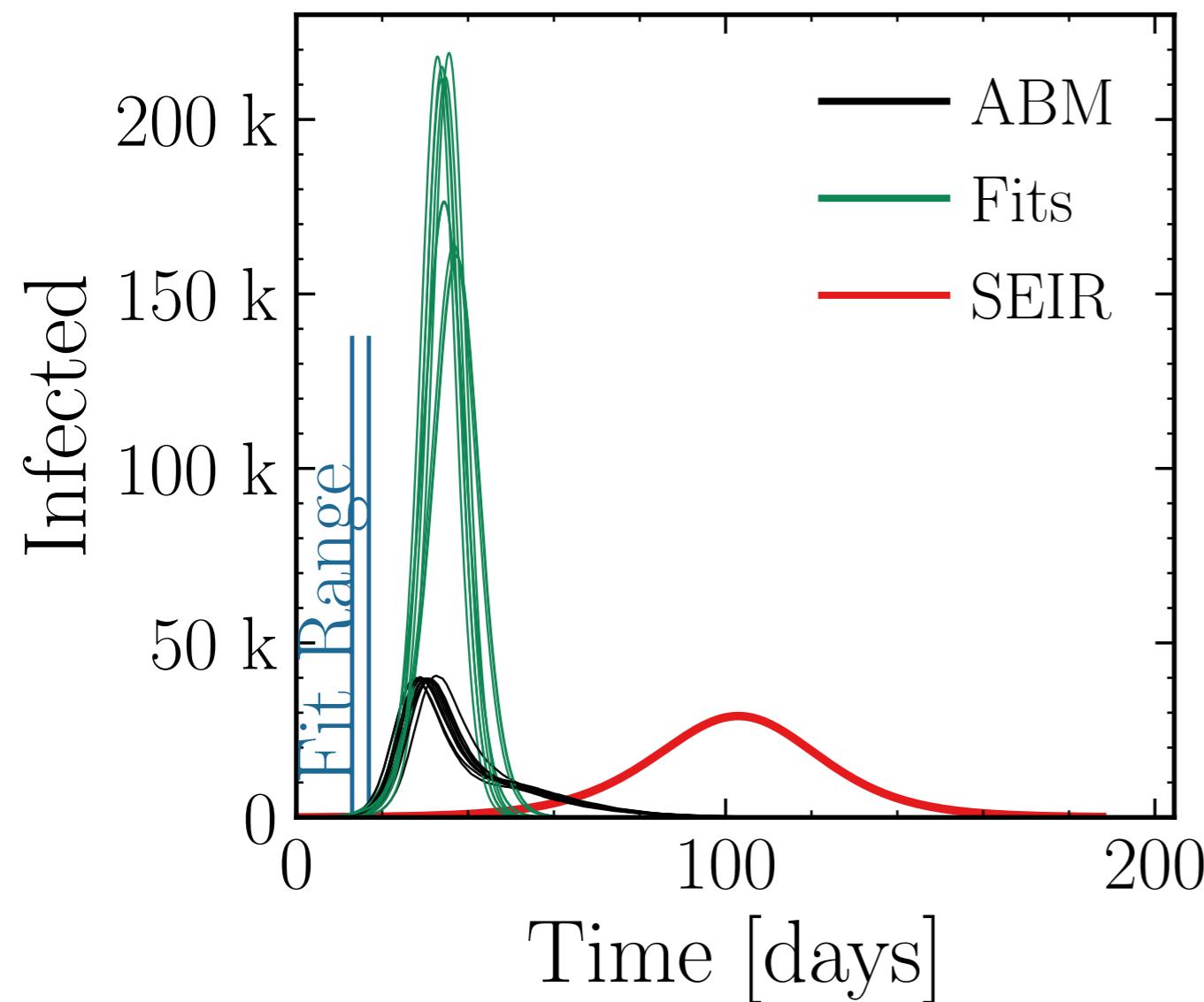
$$I_{\text{max}}^{\text{fit}} = (191 \pm 4.0\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 4.8 \pm 0.19$$

$$\text{v.} = 1.0, \text{hash} = 40620c7057, \#10$$

$$R_{\infty}^{\text{fit}} = (577.5 \pm 0.13\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 2.736 \pm 0.0044$$



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

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

$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

$$I_{\text{max}}^{\text{fit}} = (205 \pm 3.5\%) \cdot 10^3$$

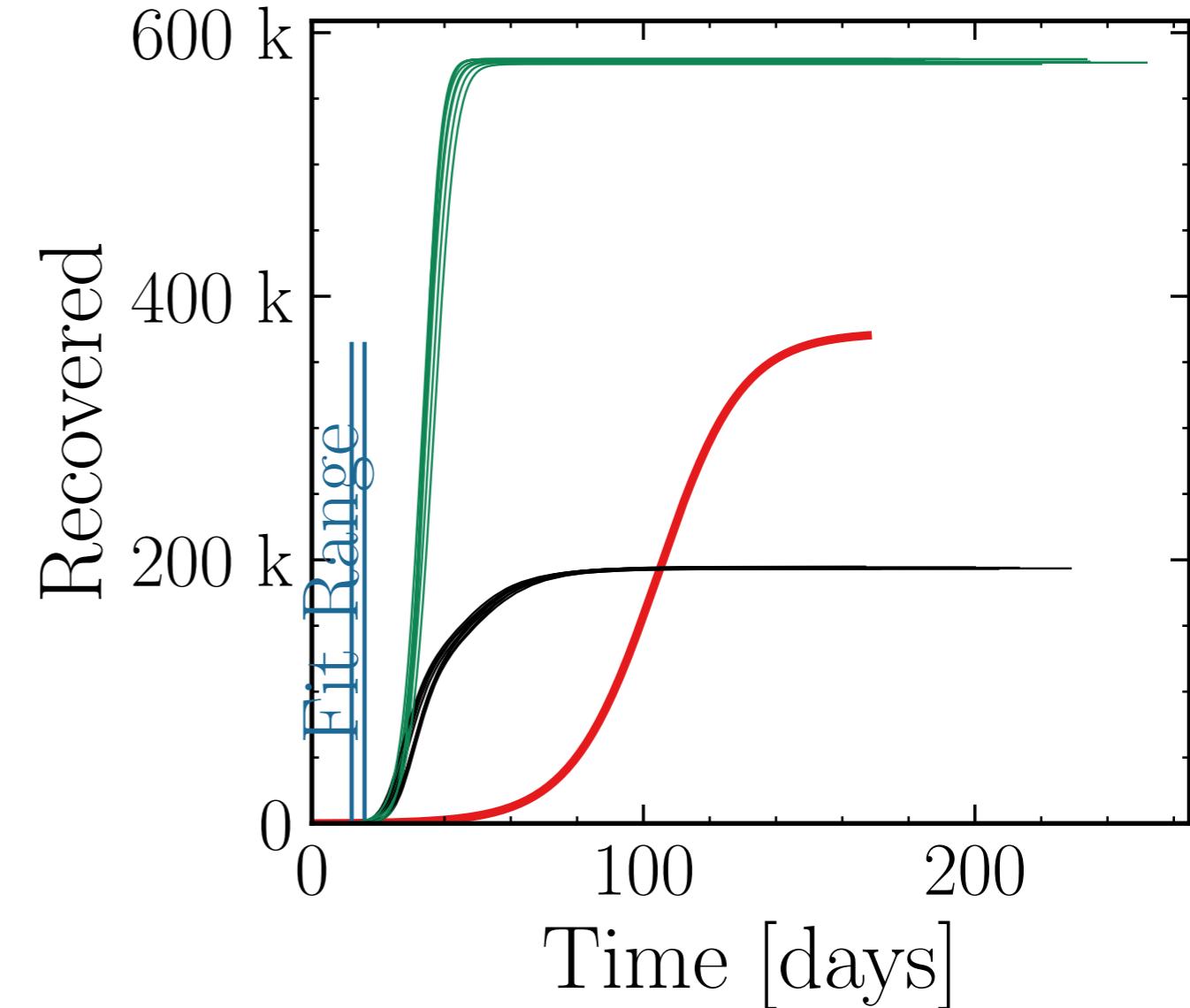
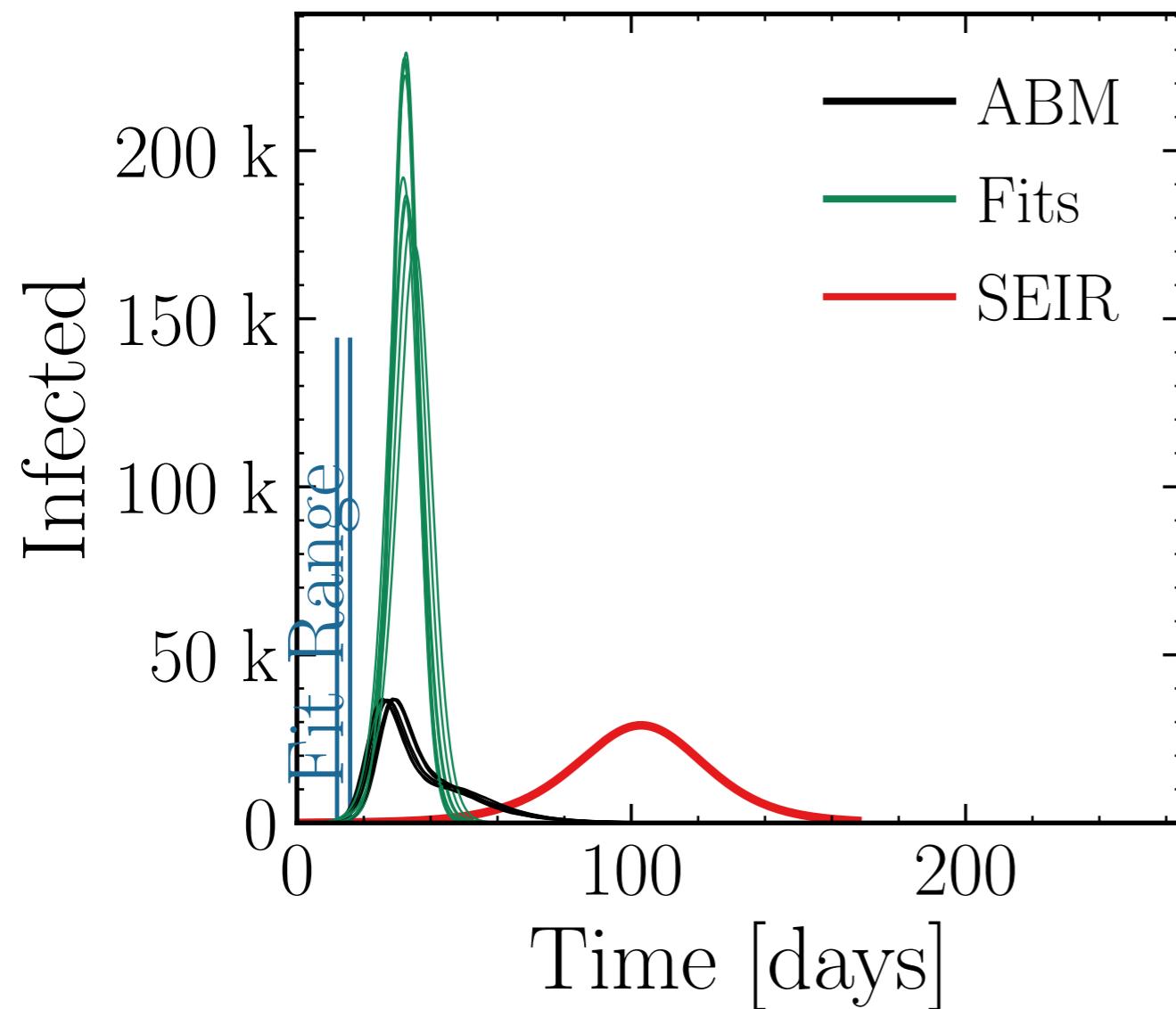
$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 5.6 \pm 0.19$$

$$\nu = 1.0$$

$$\text{hash} = 087\text{beababb}\#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (578.8 \pm 0.07\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 2.983 \pm 0.0035$$



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

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

$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

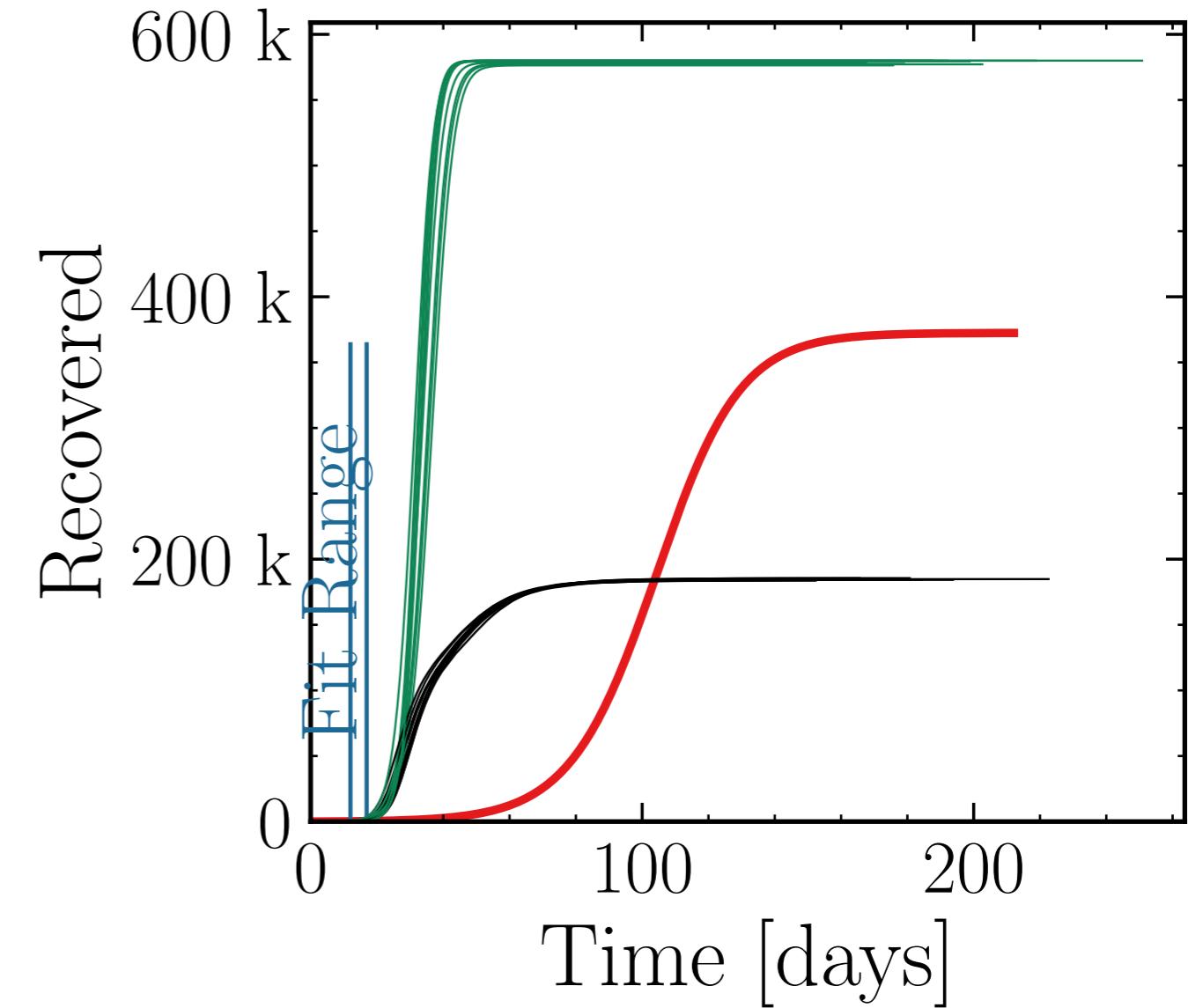
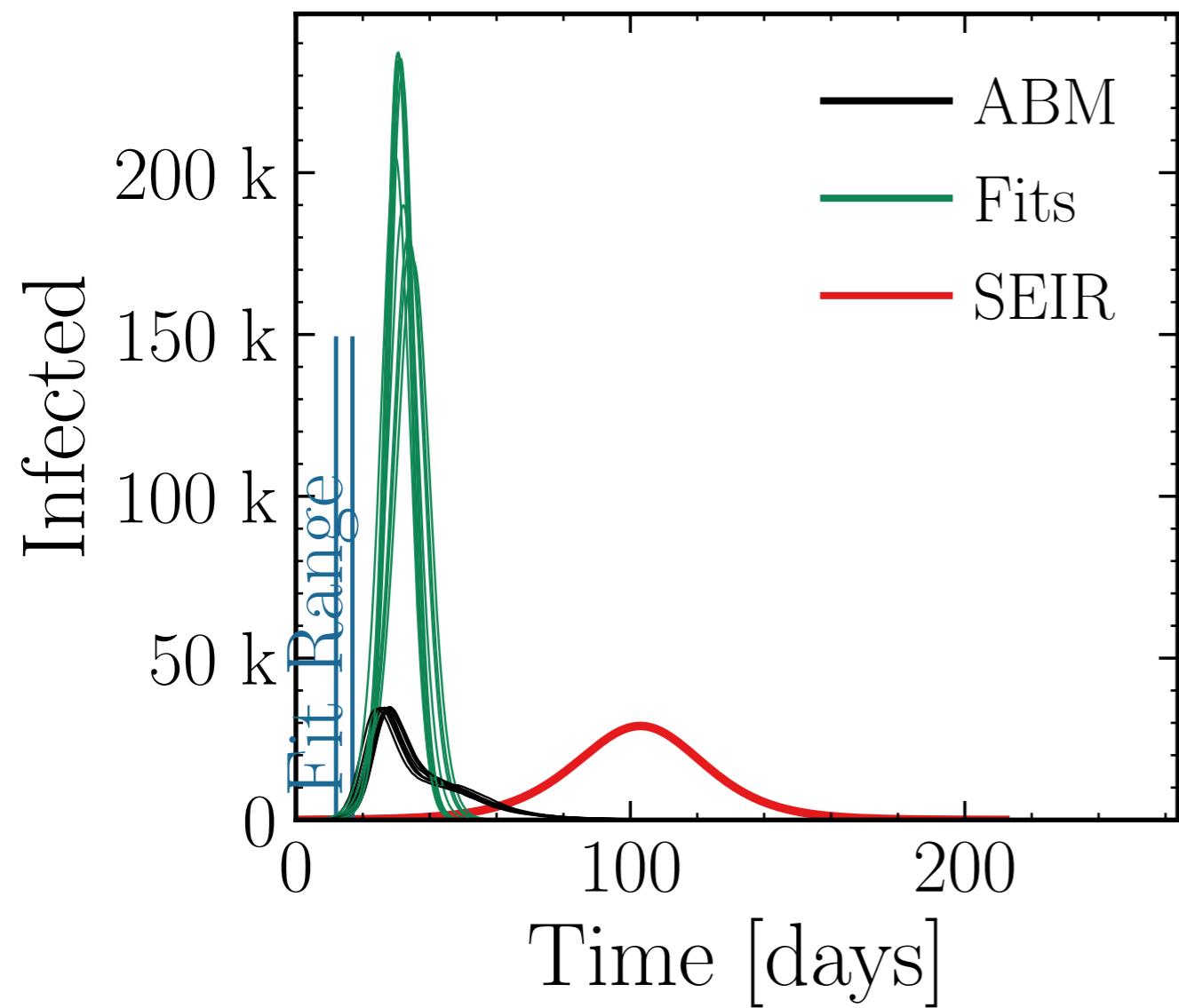
$$I_{\text{max}}^{\text{fit}} = (210 \pm 3.9\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 6.1 \pm 0.24$$

$$\text{v.} = 1.0, \text{hash} = \text{c6af205b7d}, \#10$$

$$R_{\infty}^{\text{fit}} = (578.9 \pm 0.072\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 3.134 \pm 0.0030$$



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

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

$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

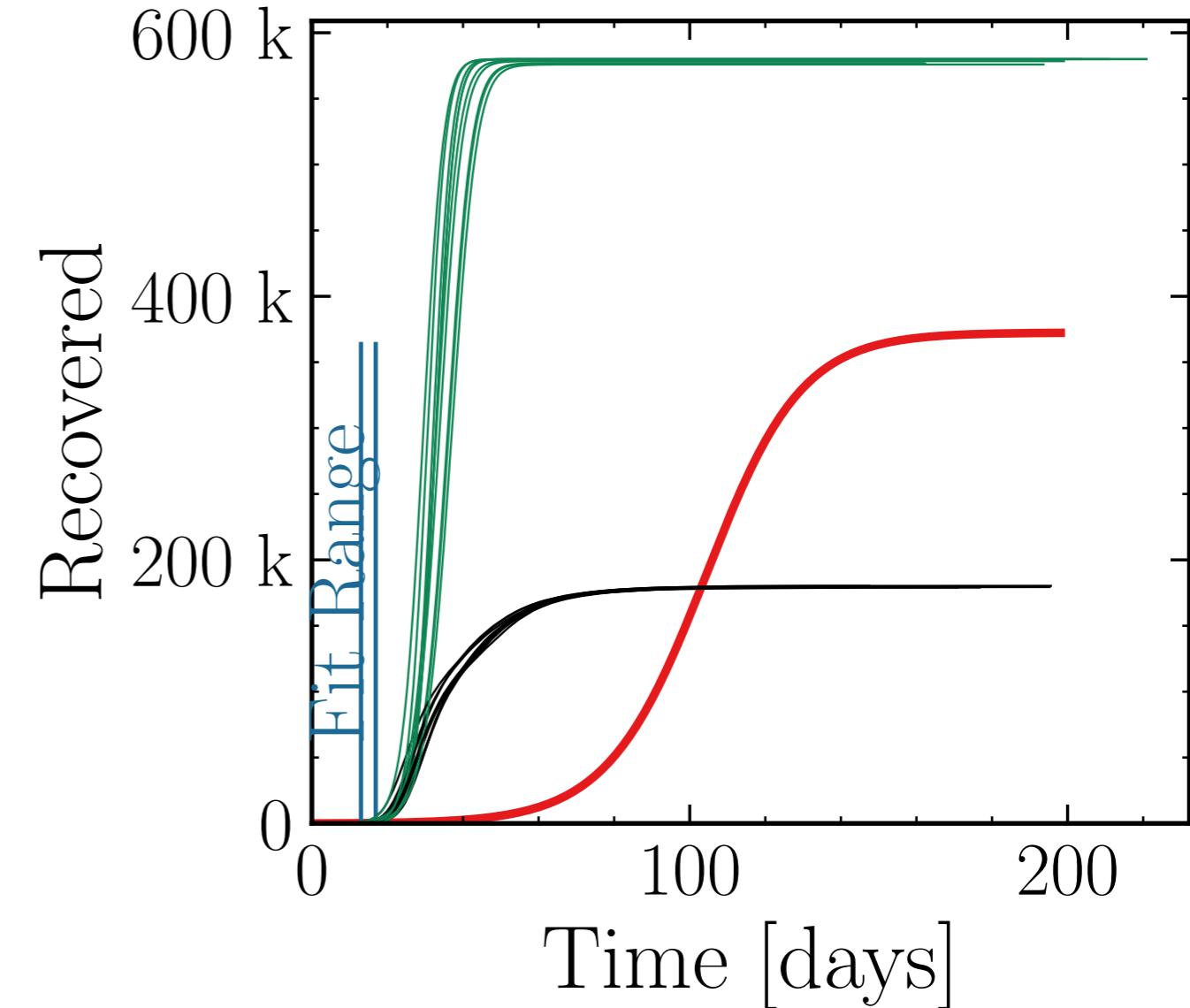
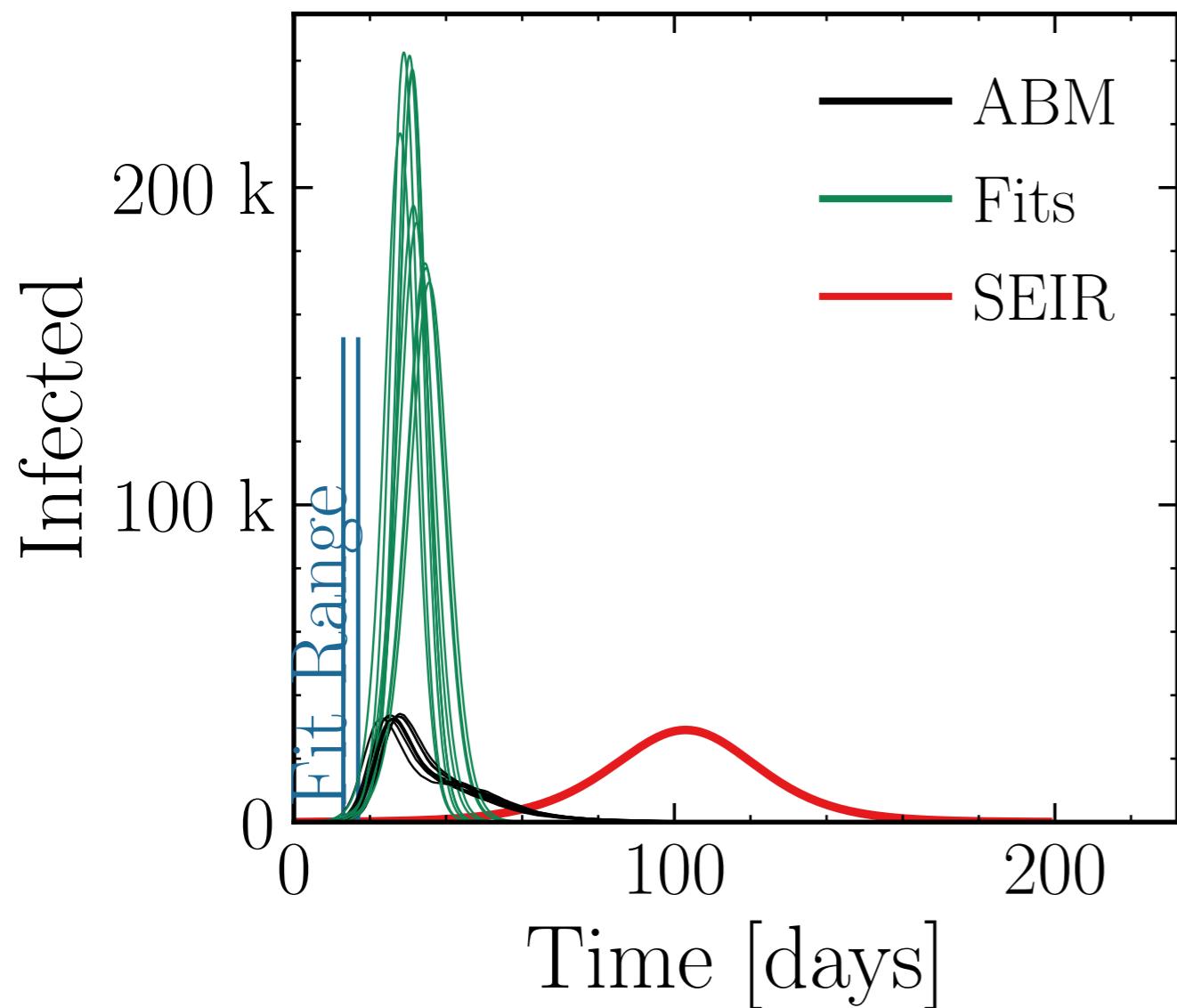
$$I_{\text{max}}^{\text{fit}} = (208 \pm 4.3\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 6.3 \pm 0.26$$

$$\text{v.} = 1.0, \text{hash} = 603e89ed6f, \#10$$

$$R_{\infty}^{\text{fit}} = (578.7 \pm 0.082\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 3.221 \pm 0.0041$$



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

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

$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

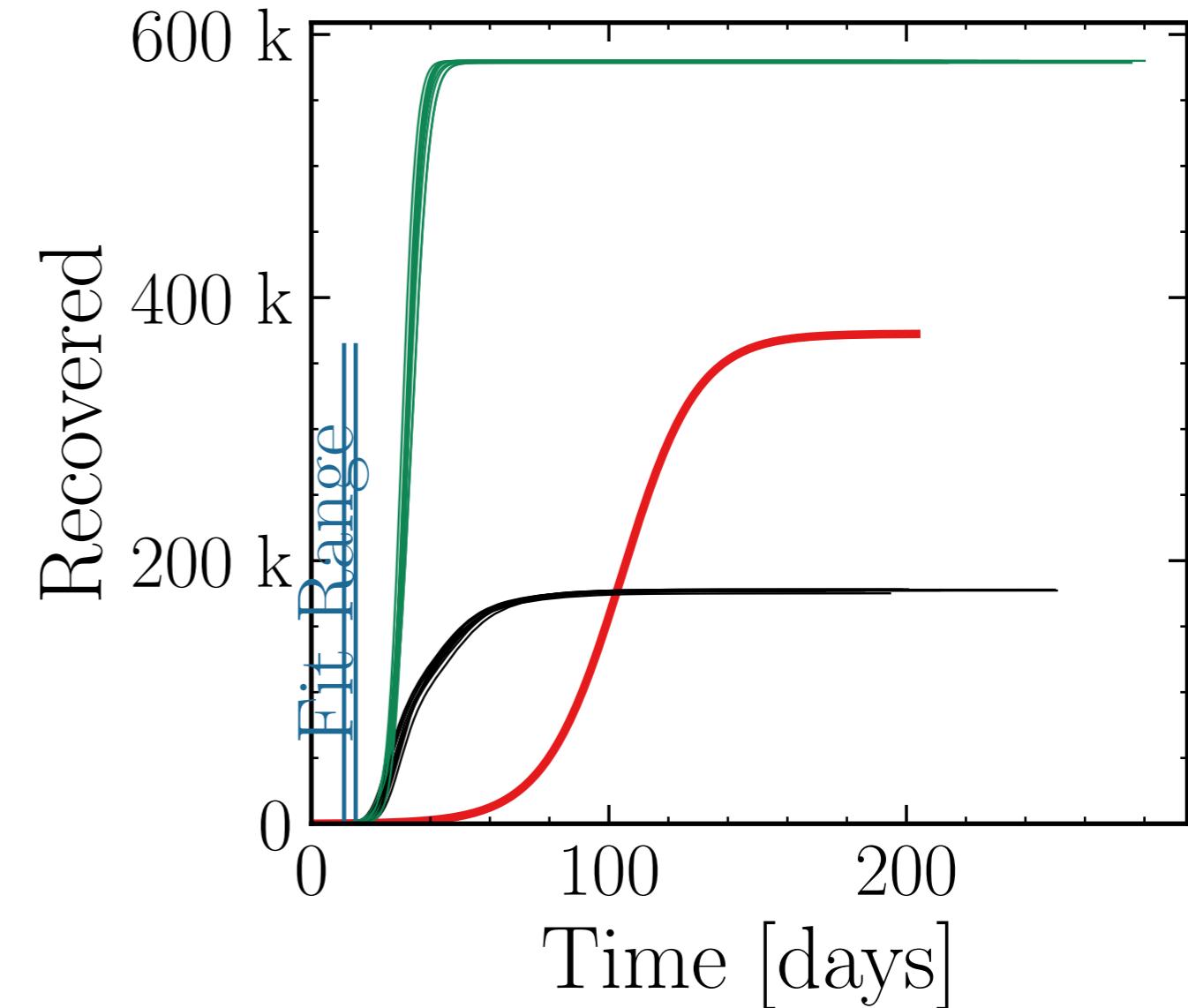
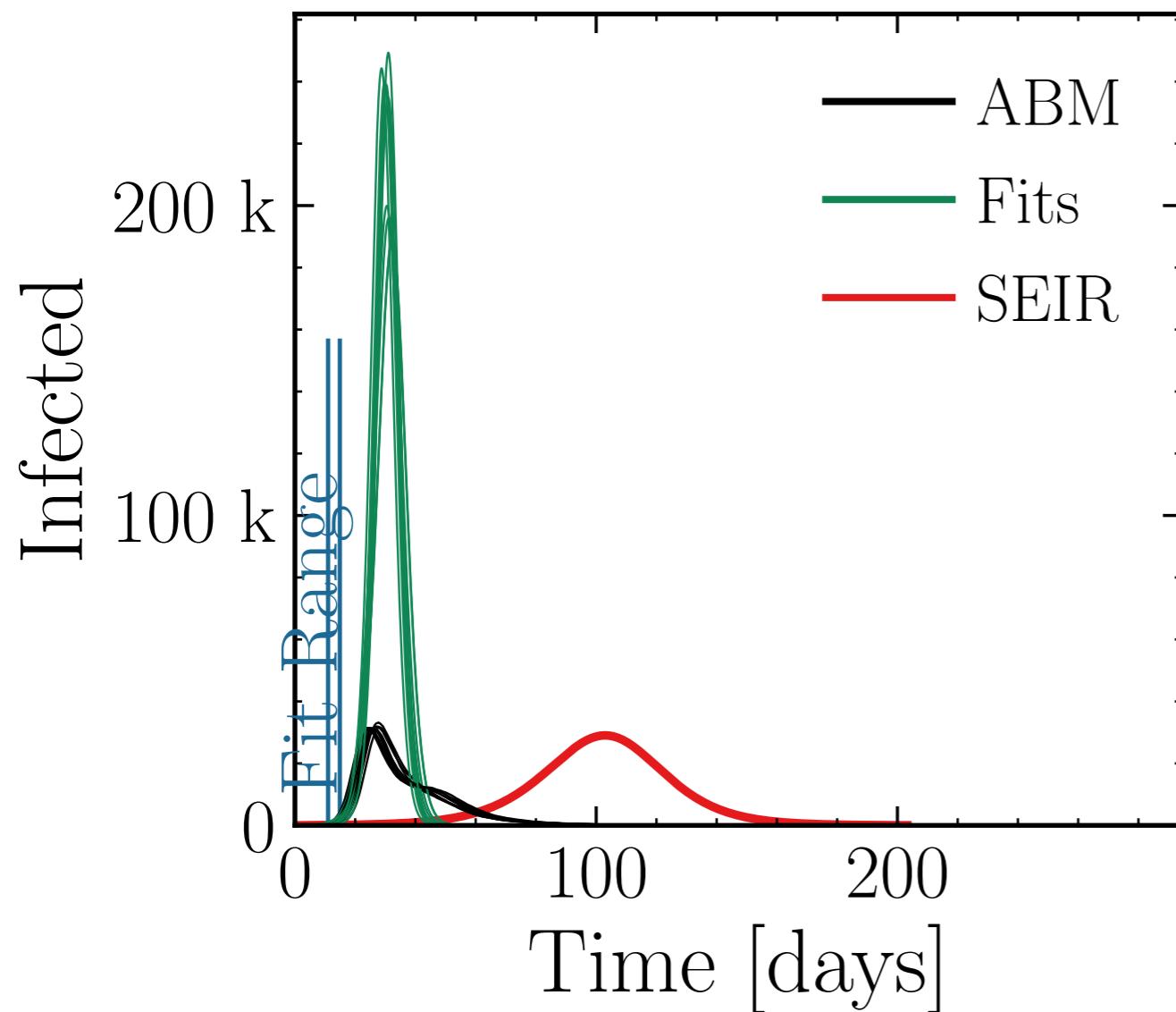
$$I_{\text{max}}^{\text{fit}} = (222 \pm 3.4\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 7 \pm 0.23$$

$$v. = 1.0, \text{hash} = 7c1f1f111f, \#10$$

$$R_{\infty}^{\text{fit}} = (579.5 \pm 0.035\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 3.269 \pm 0.0044$$



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

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

$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

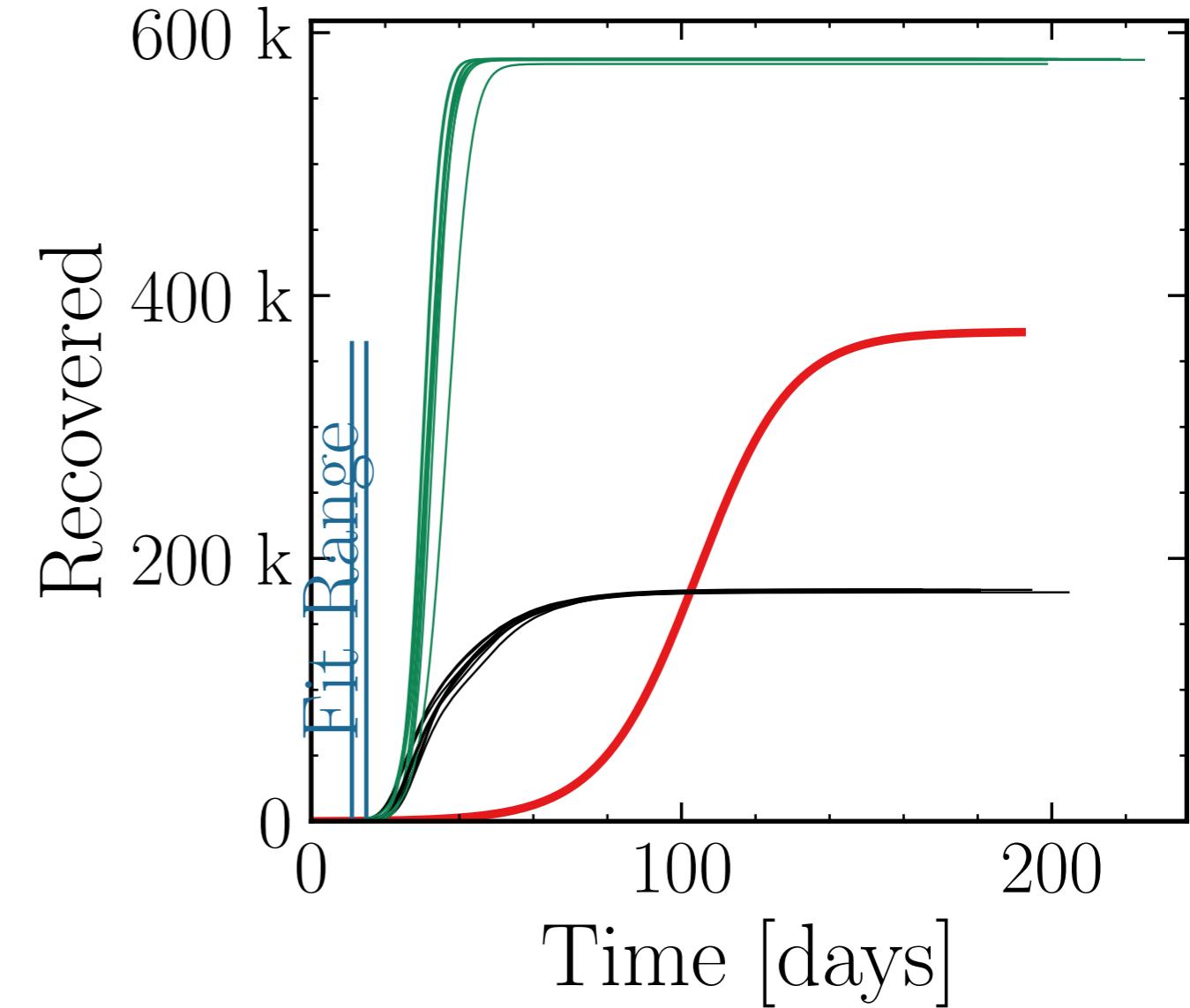
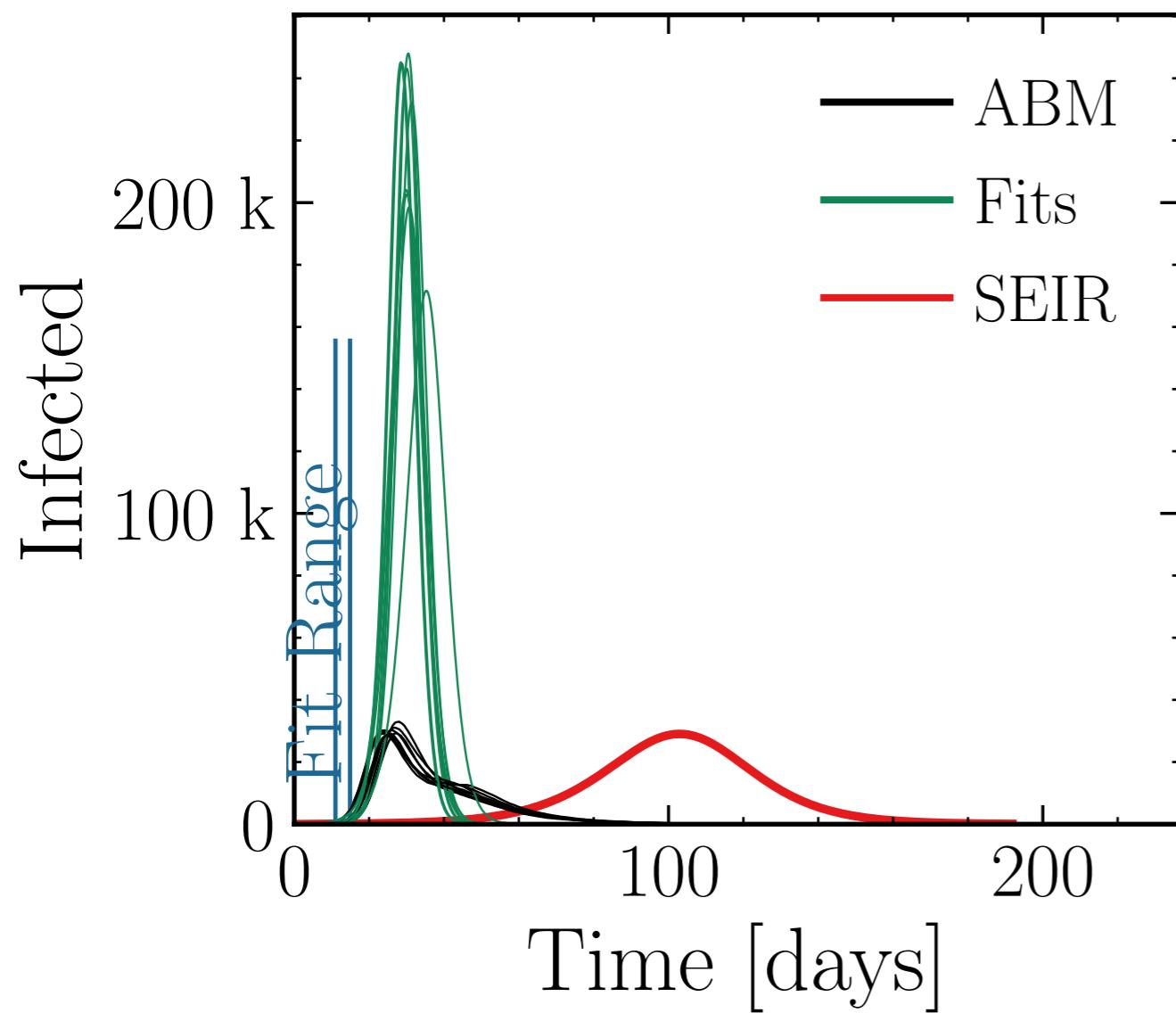
$$I_{\text{max}}^{\text{fit}} = (221 \pm 3.9\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 7.4 \pm 0.31$$

$$v. = 1.0, \text{hash} = 43609ee160, \#9$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (579.3 \pm 0.067\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{fit}}} = 3.301 \pm 0.0054$$



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

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

$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

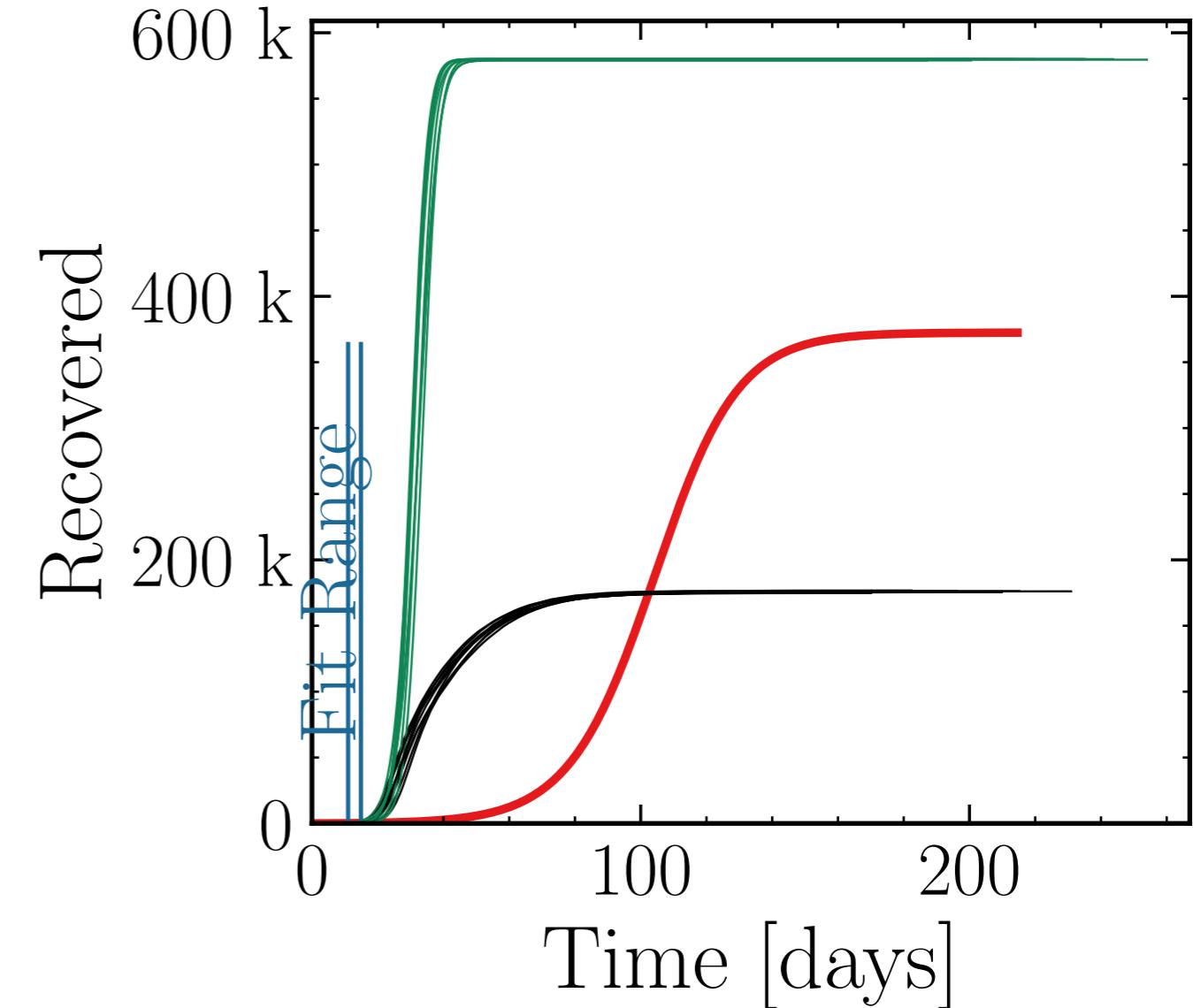
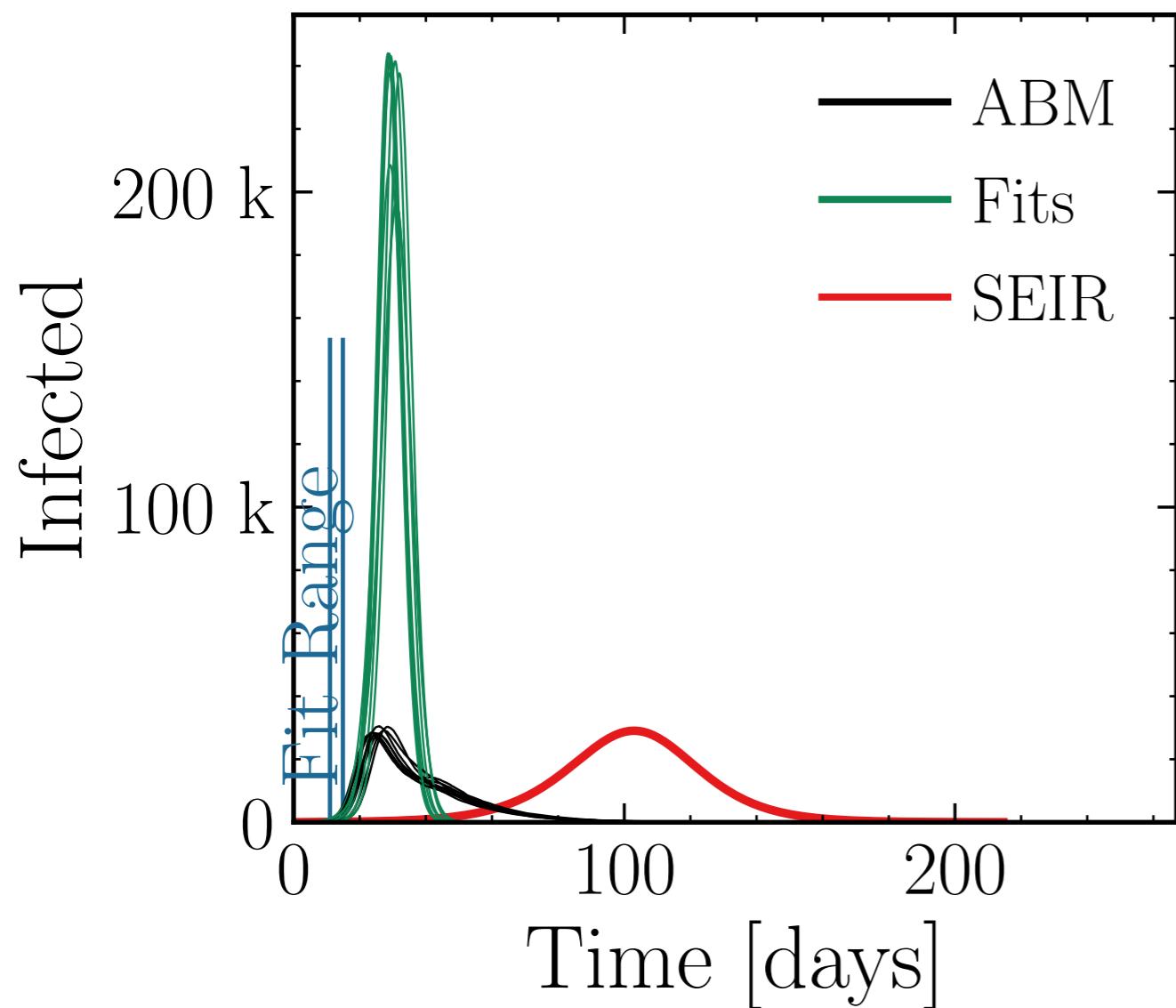
$$I_{\text{max}}^{\text{fit}} = (228 \pm 2.9\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 8 \pm 0.24$$

$$\text{v.} = 1.0, \text{hash} = 3eb7f64a2f, \#9$$

$$R_{\infty}^{\text{fit}} = (579.7 \pm 0.023\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 3.297 \pm 0.0037$$



$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 30.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$

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

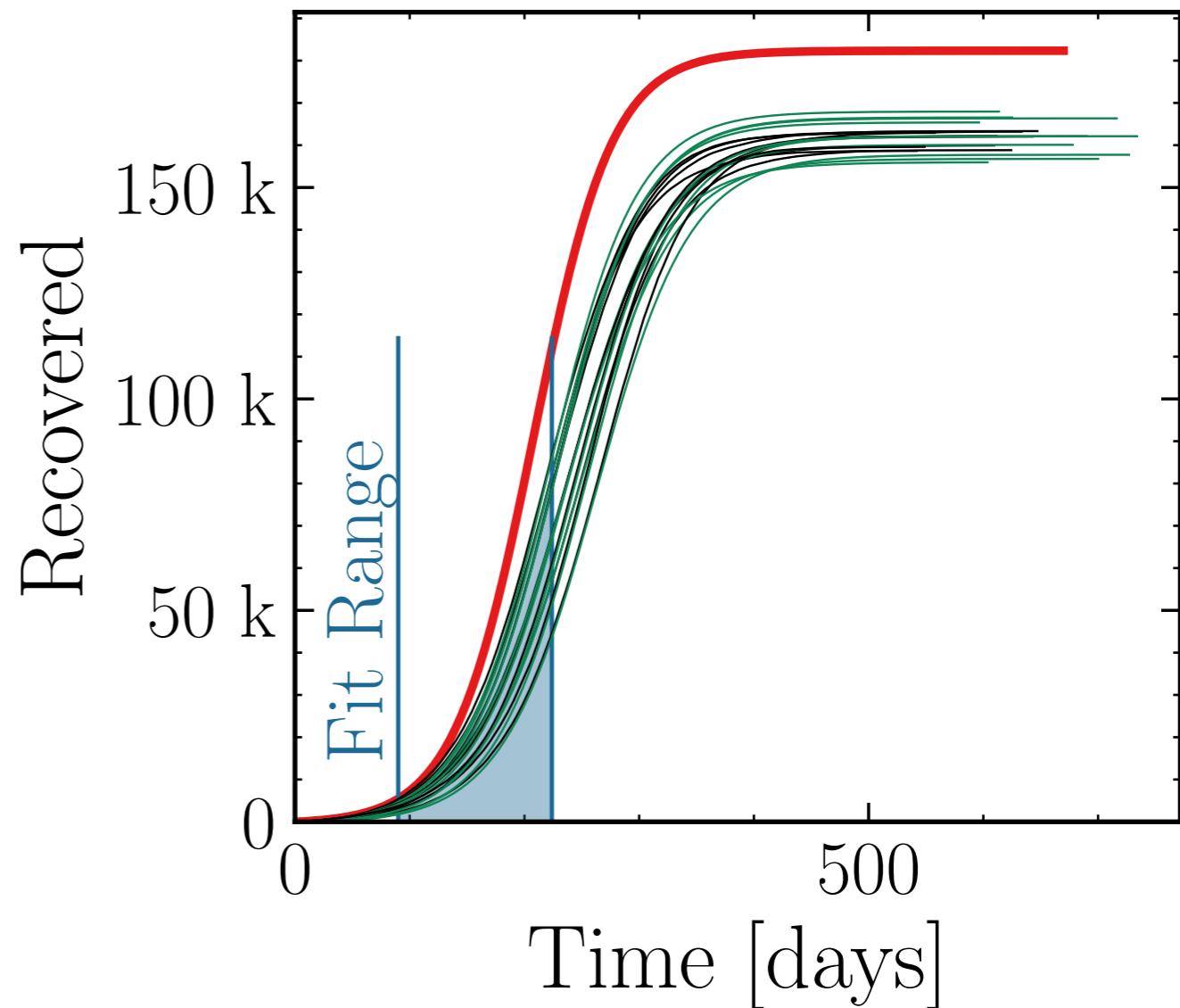
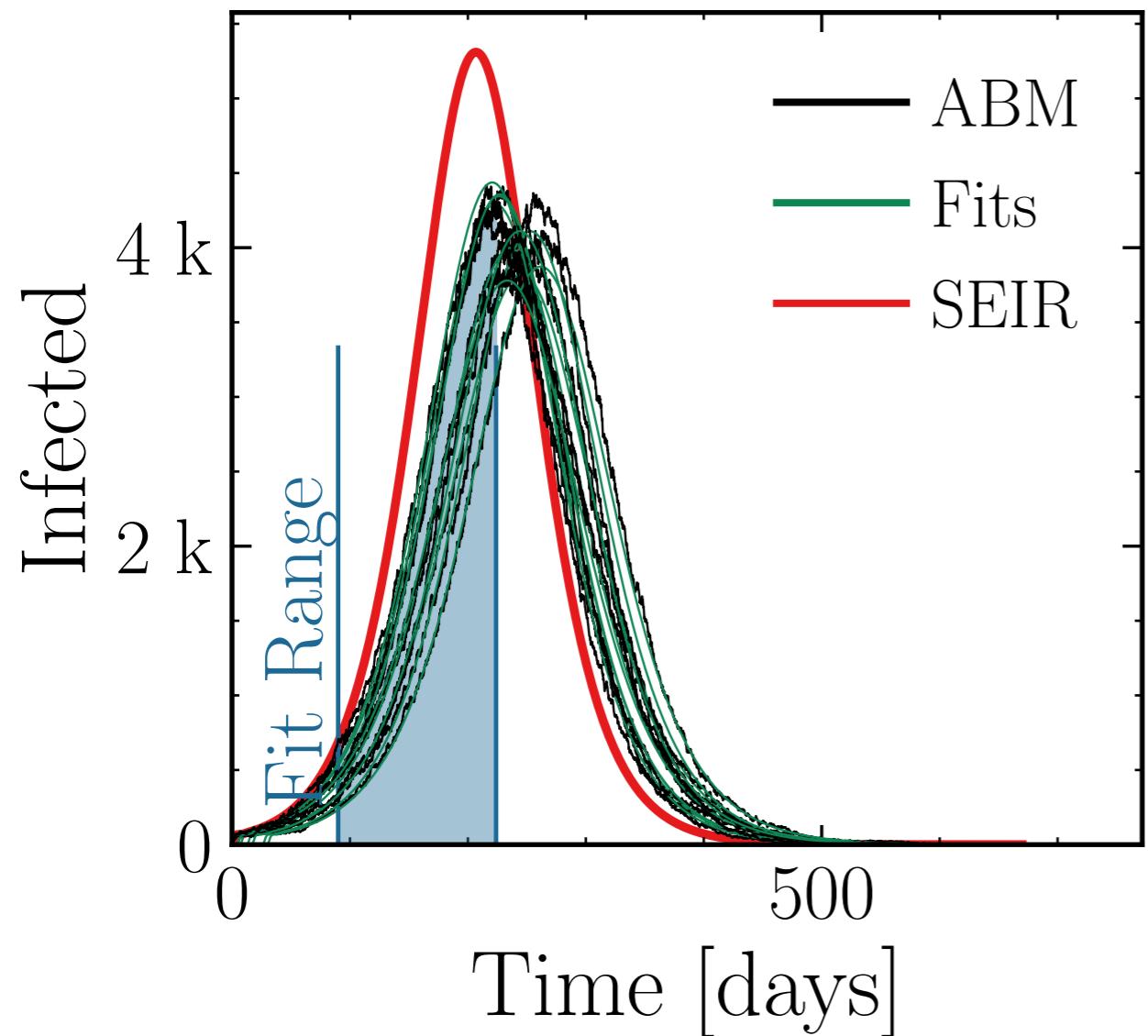
$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β scaling} = 10.0, event_{weekendmultiplier} = 1.0

$$I_{\text{max}}^{\text{fit}} = (4.11 \pm 1.7\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 0.979 \pm 0.009$$

$$v. = 1.0, \text{hash} = 5a0633e014, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (162 \pm 0.81\%) \cdot 10^3$$



$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 20.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, 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_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

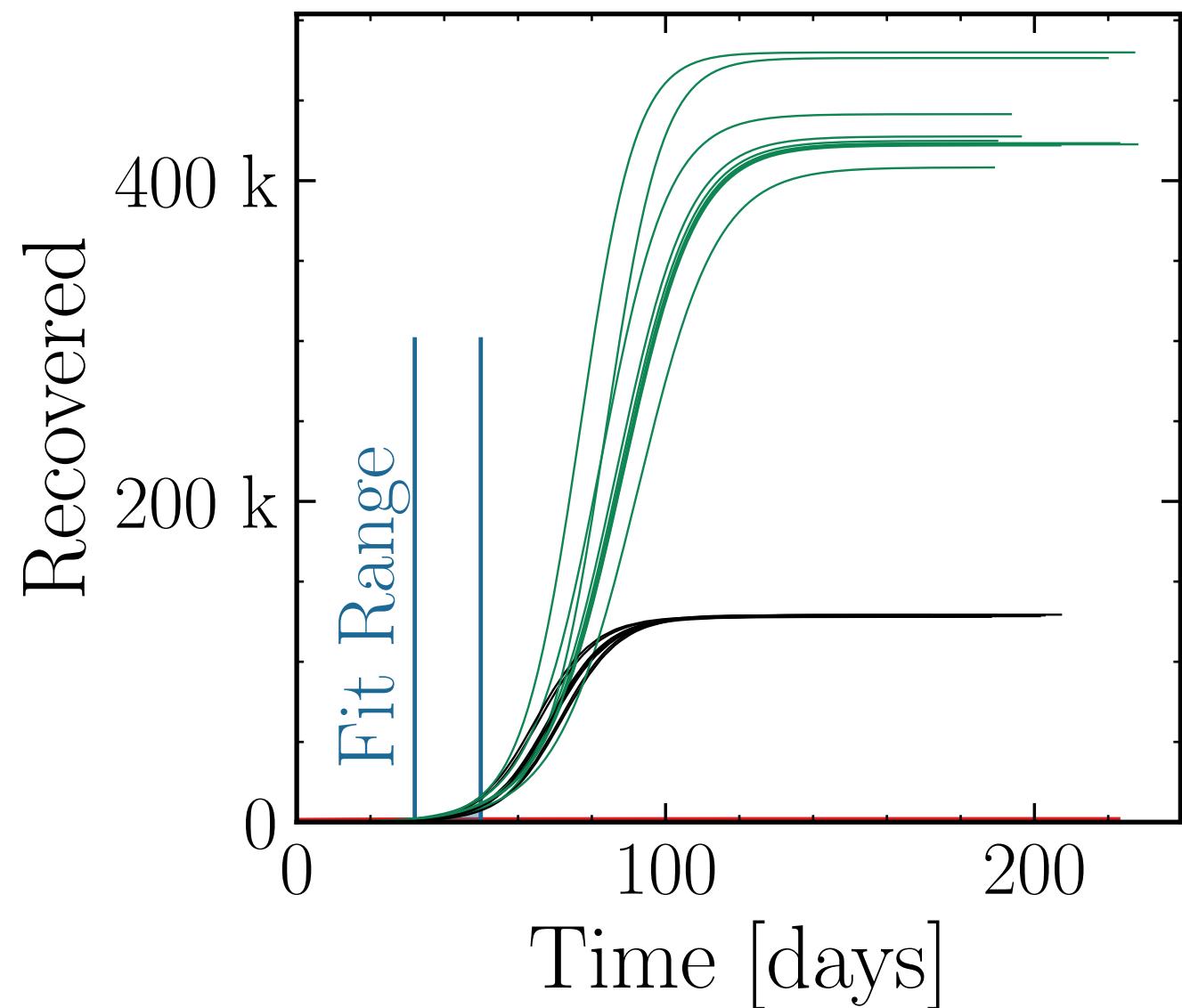
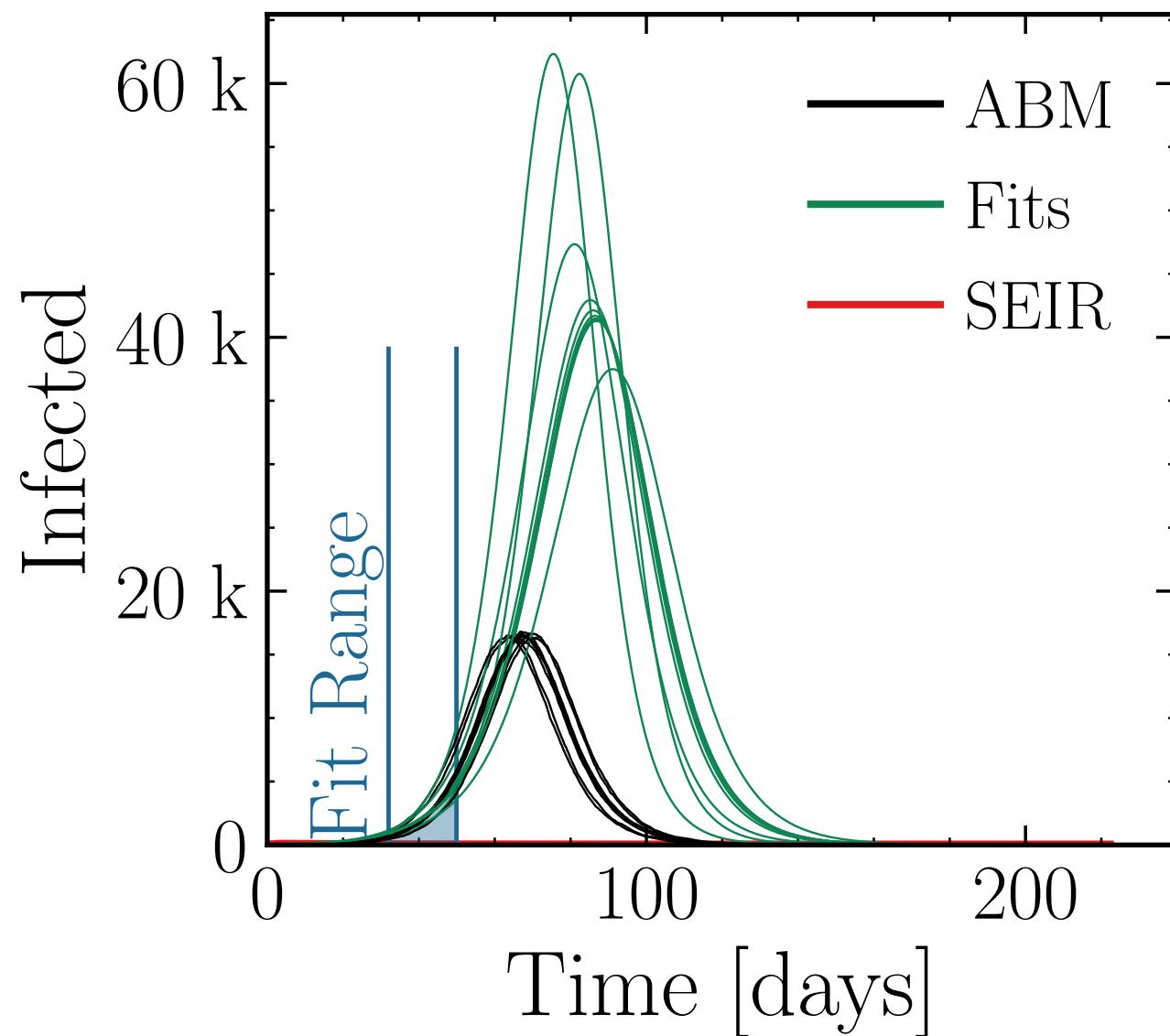
$$I_{\text{max}}^{\text{fit}} = (46 \pm 5.6\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 2.8 \pm 0.15$$

$$\text{v.} = 1.0, \text{hash} = 19\text{eac9cb6d}\#10$$

$$R_{\infty}^{\text{fit}} = (435 \pm 1.7\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 3.38 \pm 0.056$$



$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 50.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, 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_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

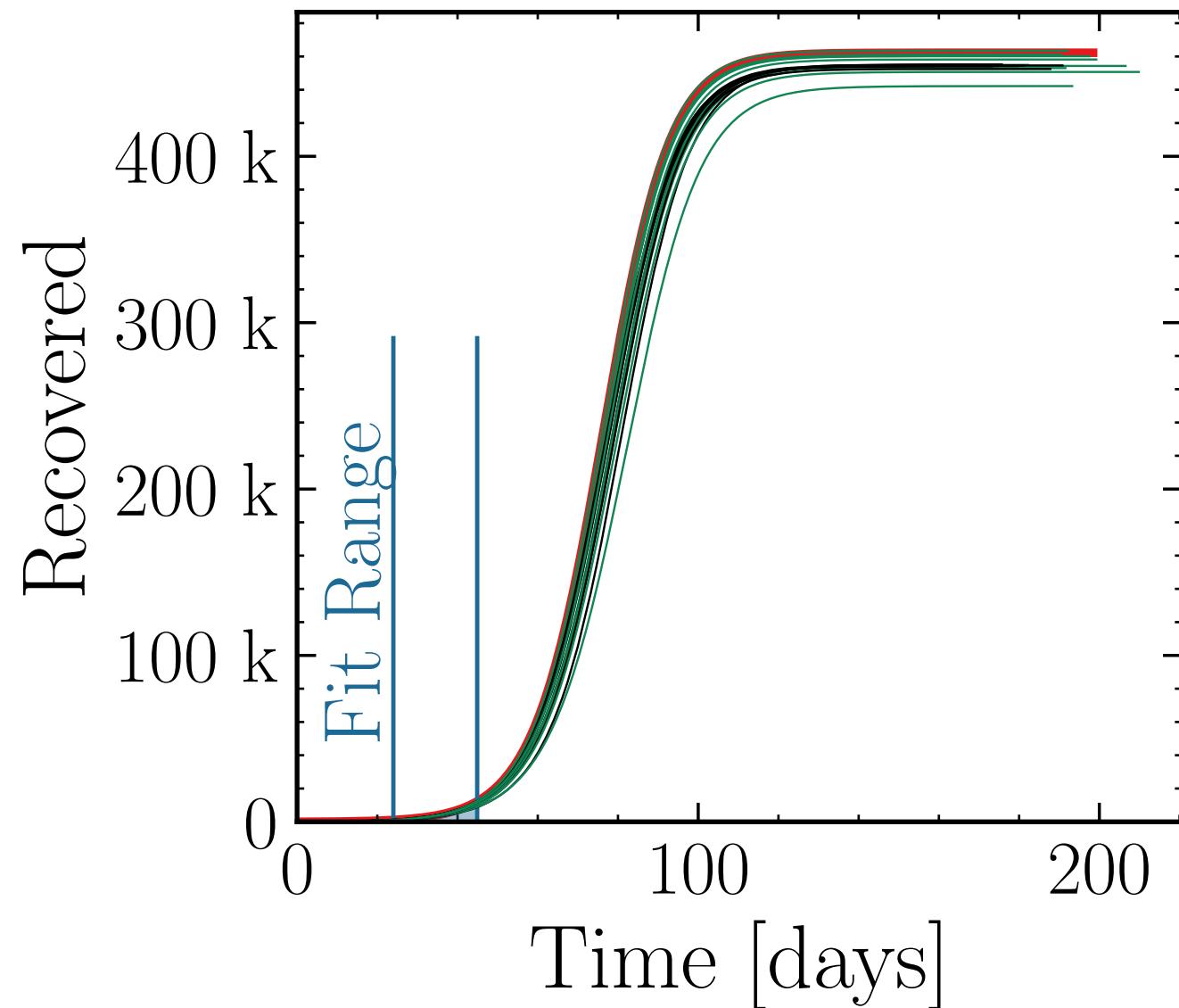
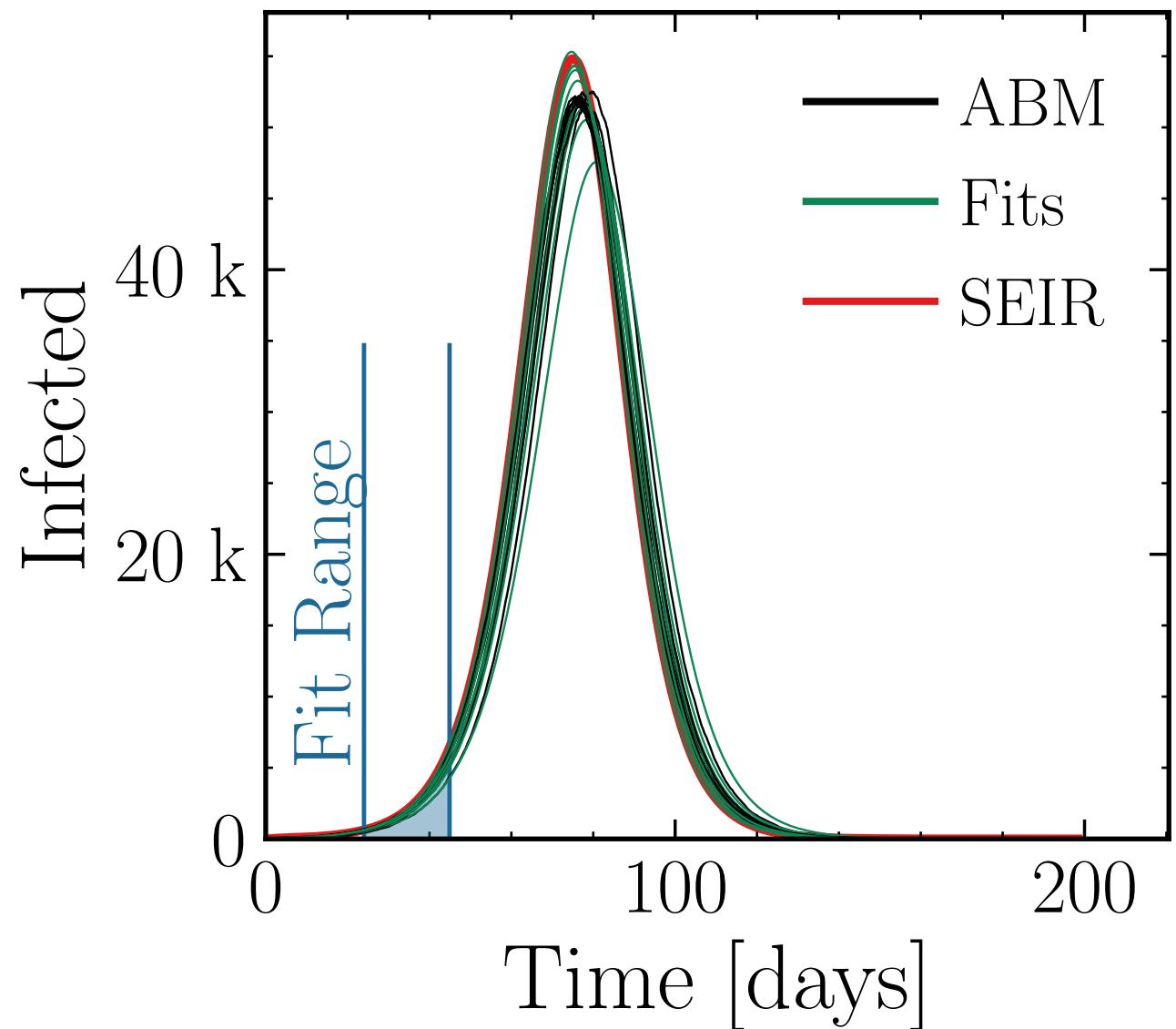
$$I_{\text{max}}^{\text{fit}} = (52.5 \pm 1.3\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{ABM}}^{\text{max}}} = 1.01 \pm 0.014$$

$$\text{v.} = 1.0, \text{hash} = 91ff5f2dad\#10$$

$$R_{\infty}^{\text{fit}} = (456 \pm 0.41\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.003 \pm 0.0043$$



$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 30.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$

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

$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

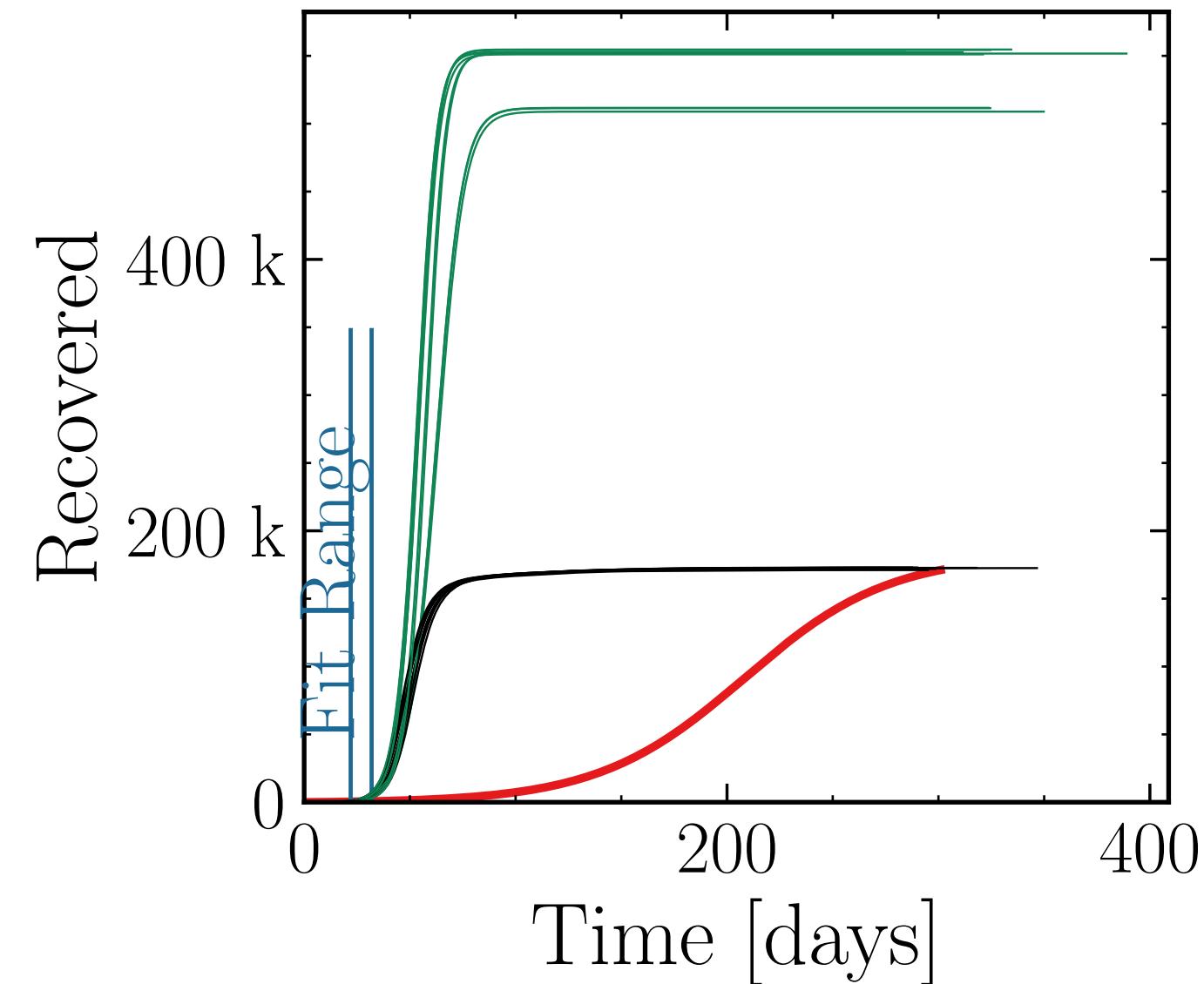
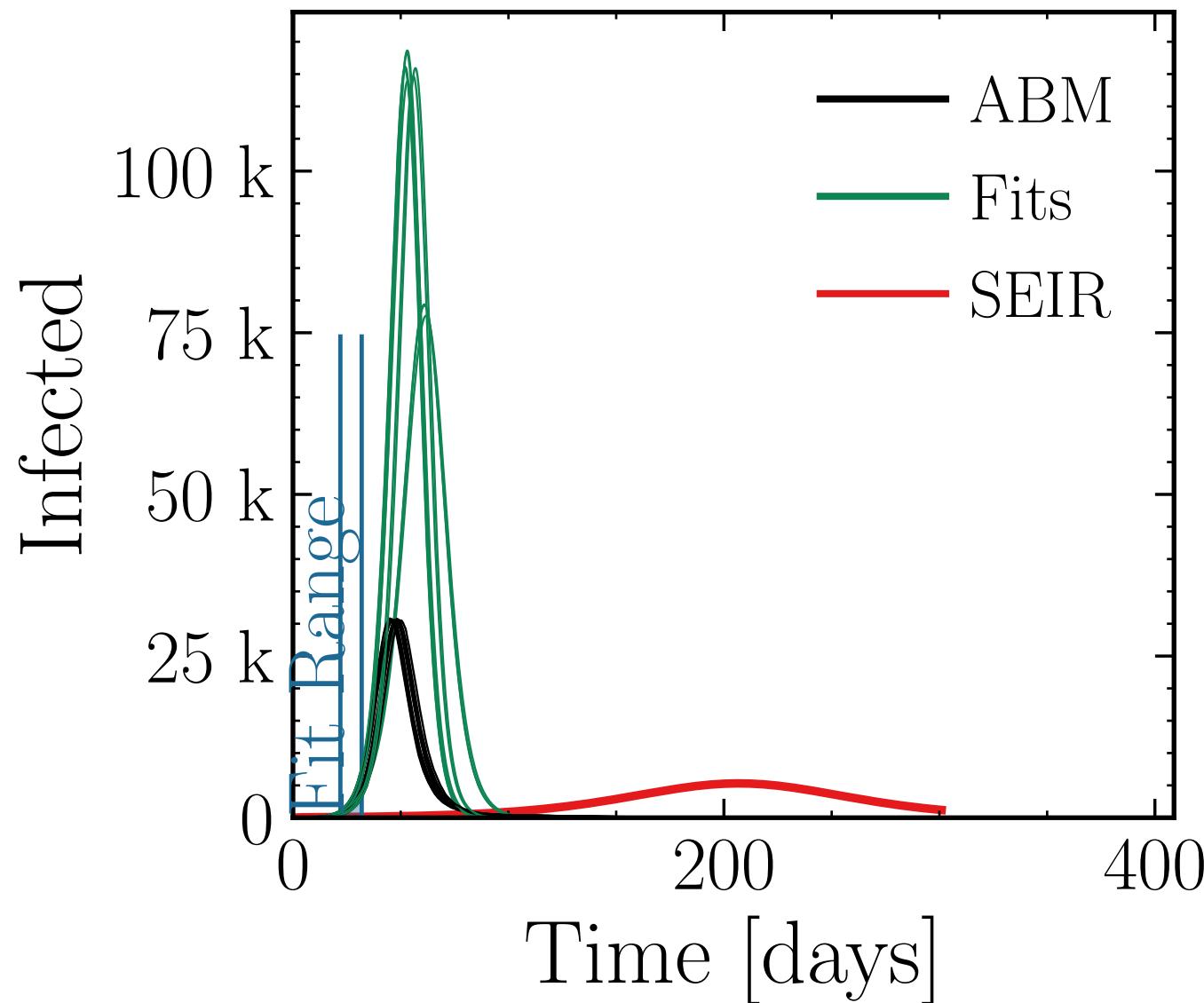
$$I_{\text{max}}^{\text{fit}} = (105 \pm 5.2\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 3.4 \pm 0.18$$

$$\text{v.} = 1.0, \text{hash} = \text{a9d6ff6e37}\#10$$

$$R_{\infty}^{\text{fit}} \approx (540 \pm 1.1\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 3.13 \pm 0.035$$



$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 60.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$

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

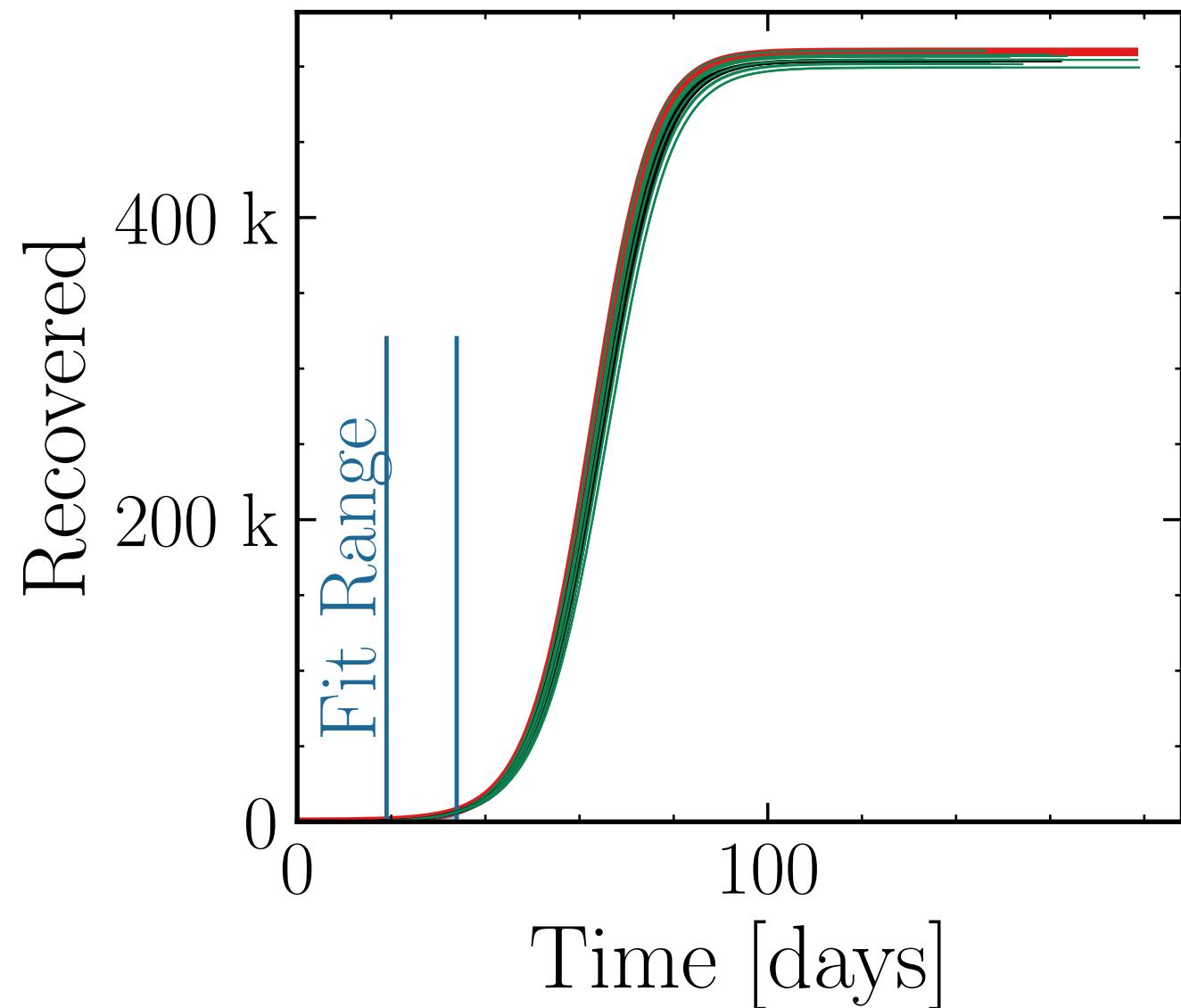
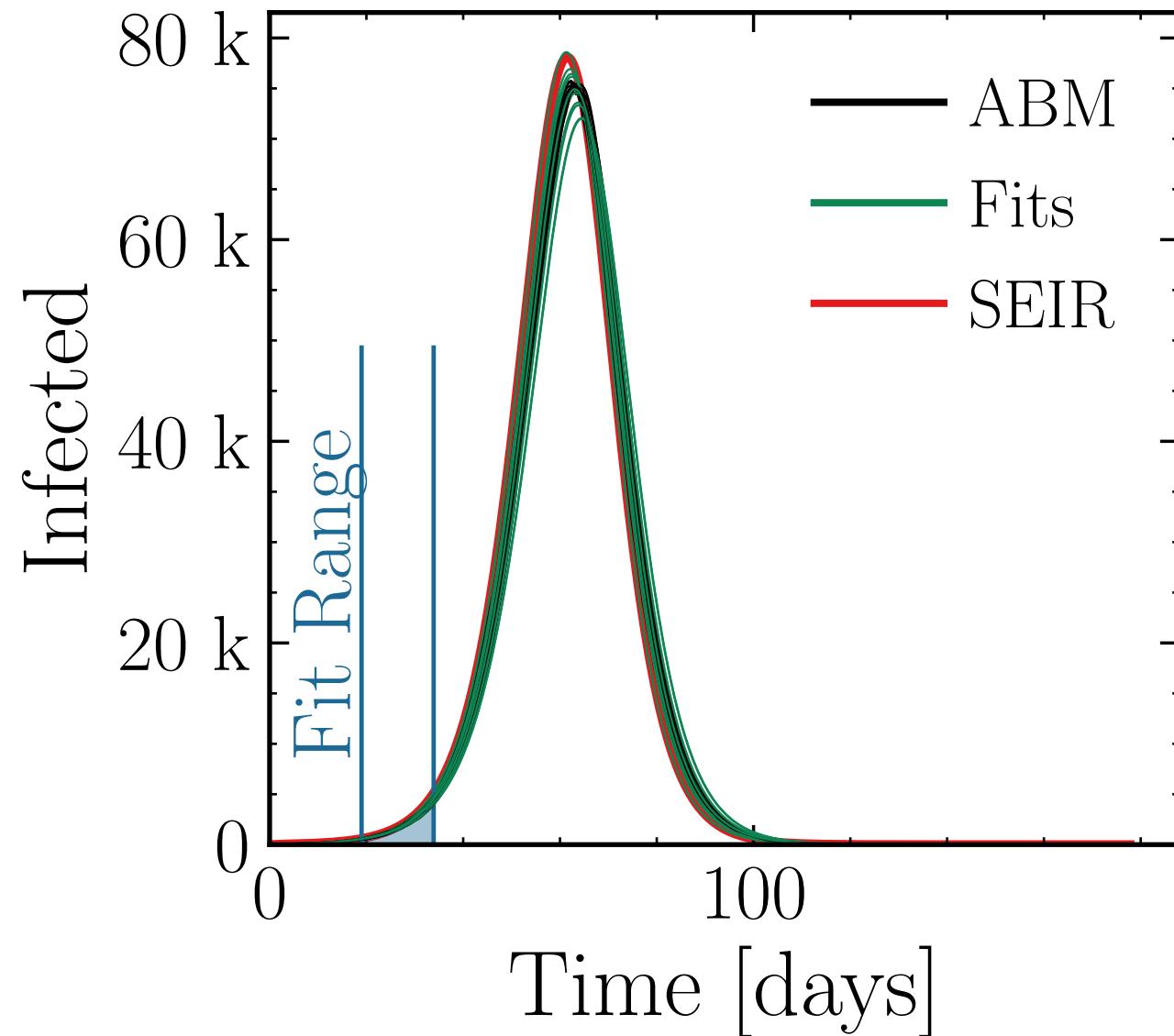
$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β scaling} = 10.0, event_{weekendmultiplier} = 1.0

$I_{\text{max}}^{\text{fit}} = (74.9 \pm 0.87\%) \cdot 10^3$

$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{ABM}}^{\text{fit}}} = 0.994 \pm 0.008$ v. = 1.0, hash = b98079ea6f, #10

$R_{\infty}^{\text{fit}} = (504 \pm 0.22\%) \cdot 10^3$

$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1 \pm 0.0022$



$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 50.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$

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

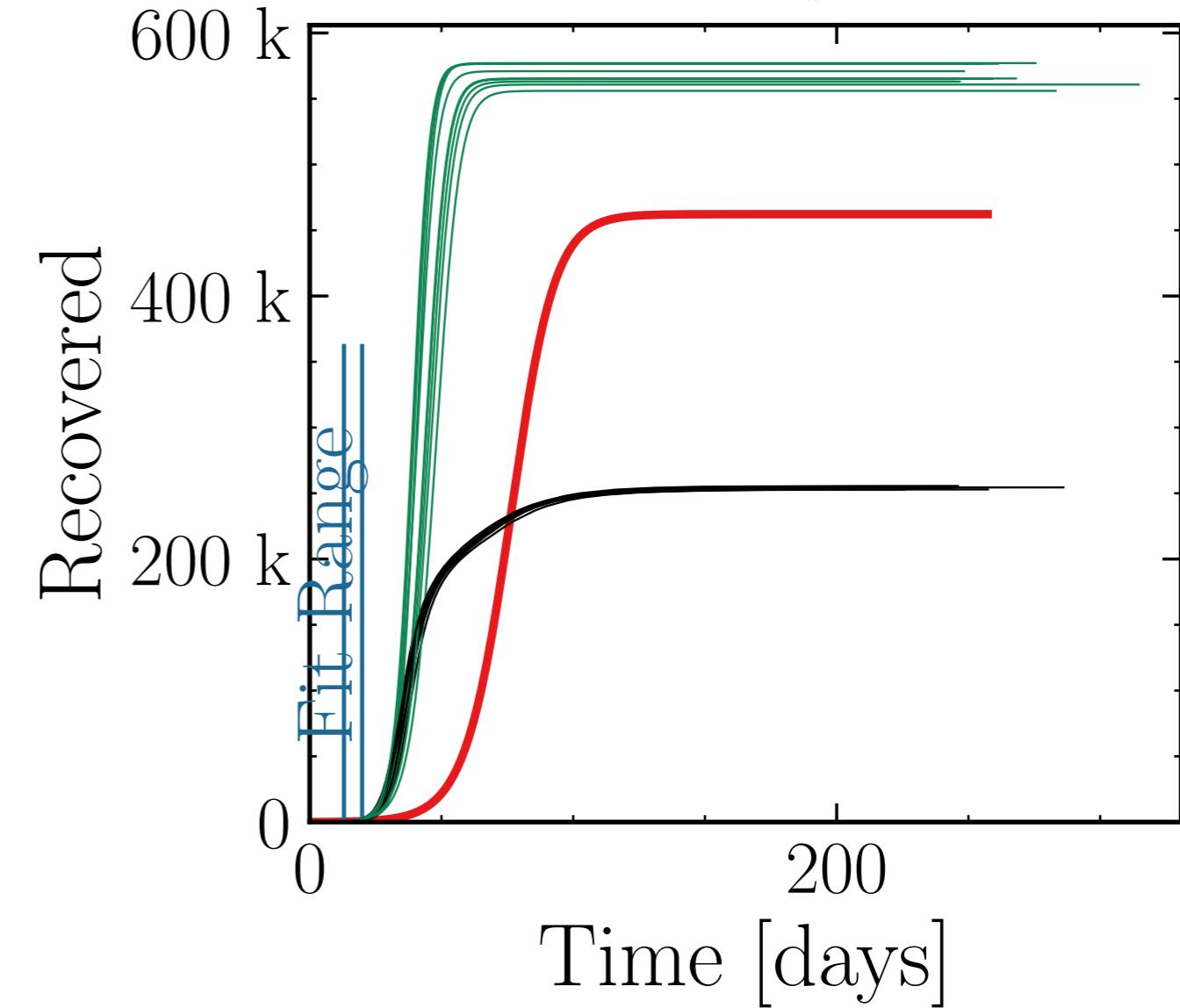
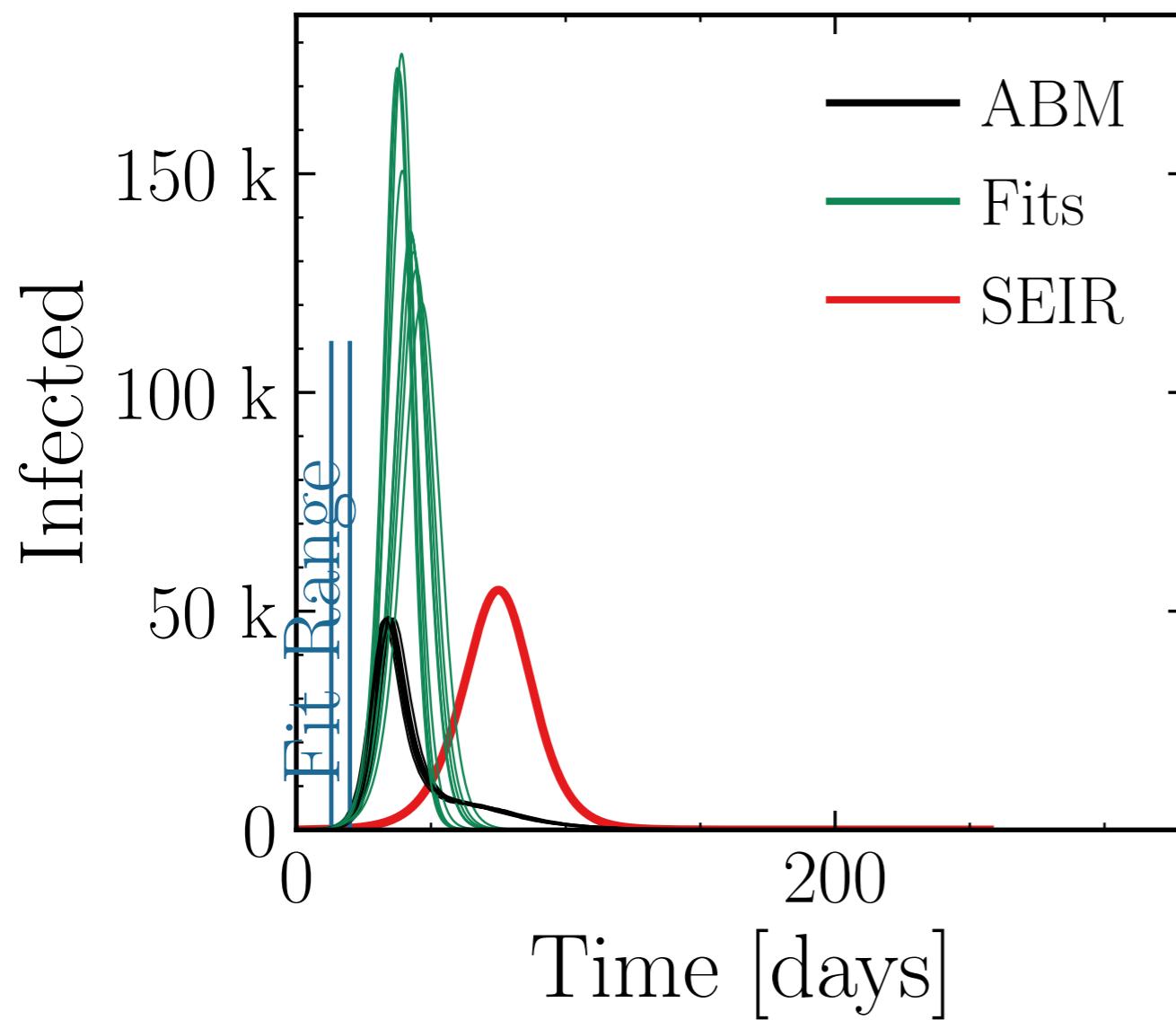
$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

$$I_{\text{max}}^{\text{fit}} = (147 \pm 4.3\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 3 \pm 0.13$$

$$v. = 1.0, \text{hash} = 8ff12acc8, R_{\infty}^{\text{fit}} \#(568 \pm 0.39\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{fit}}} = 2.237 \pm 0.0080$$



$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 70.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$

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

$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

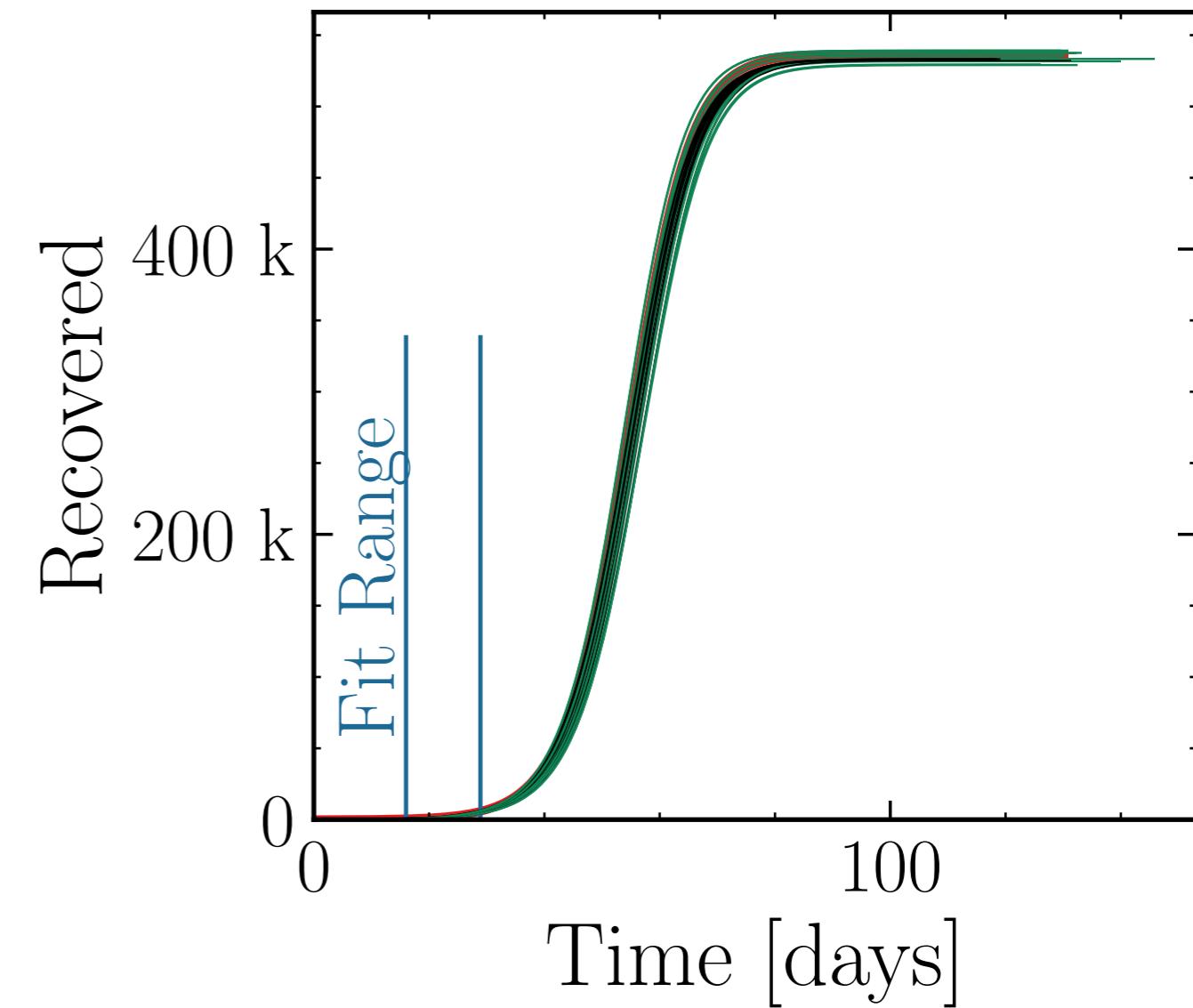
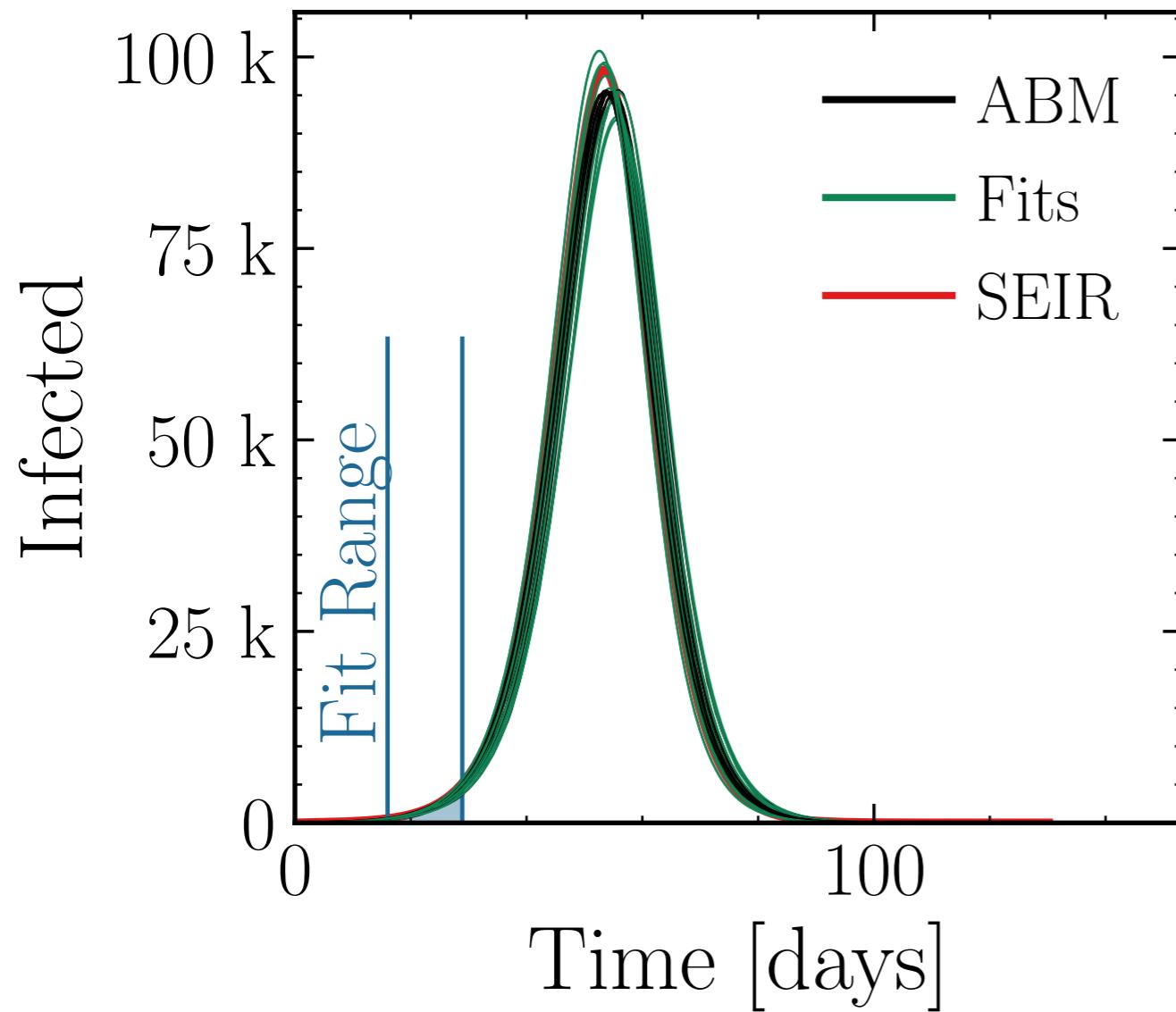
$$I_{\text{max}}^{\text{fit}} = (96.7 \pm 1.0\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1.01 \pm 0.010$$

$$\text{v.} = 1.0, \text{hash} = \text{d938f5e505}$$

$$R_{\infty}^{\text{fit}} = (535 \pm 0.21\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.004 \pm 0.0020$$



$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 60.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$

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

$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

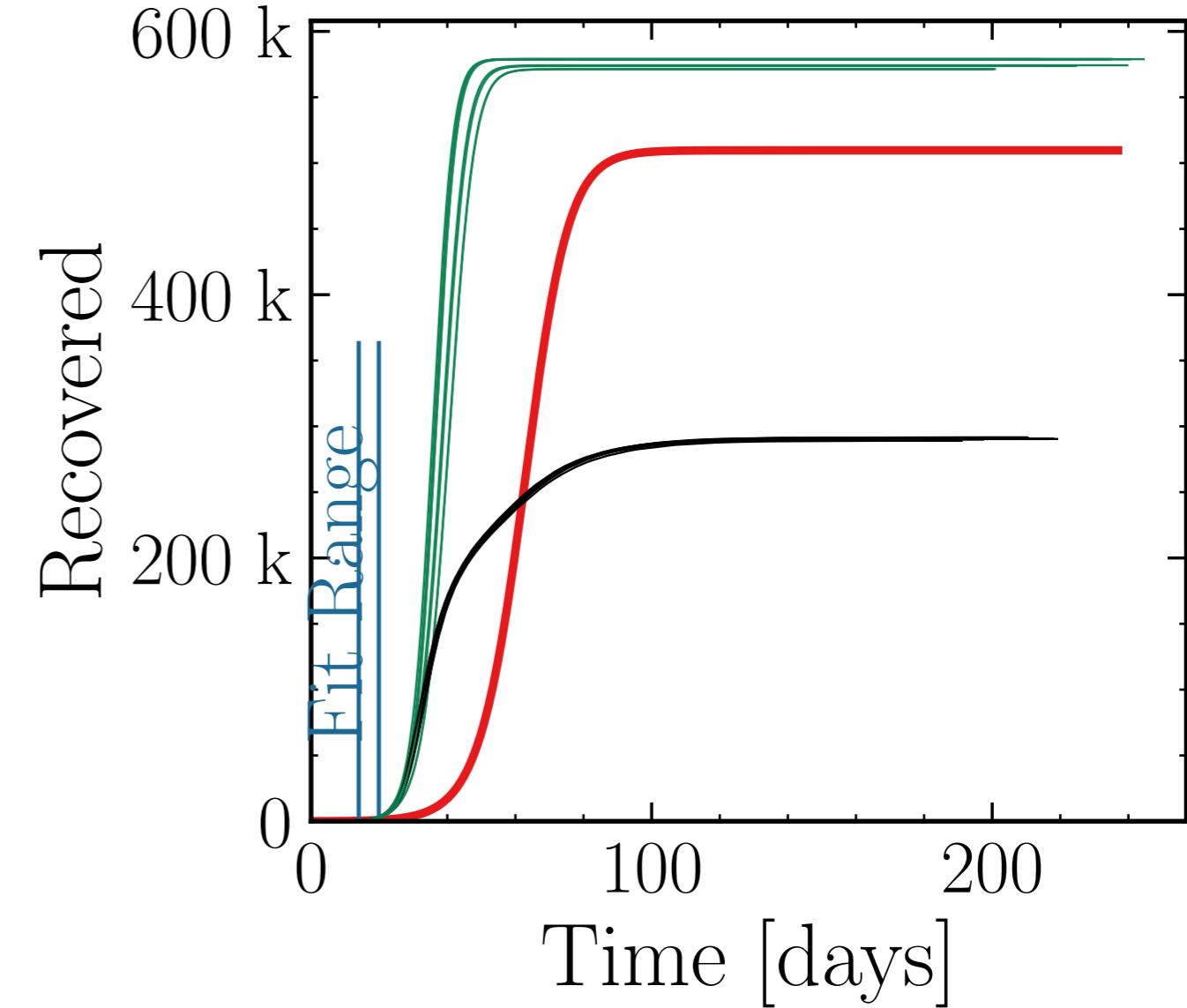
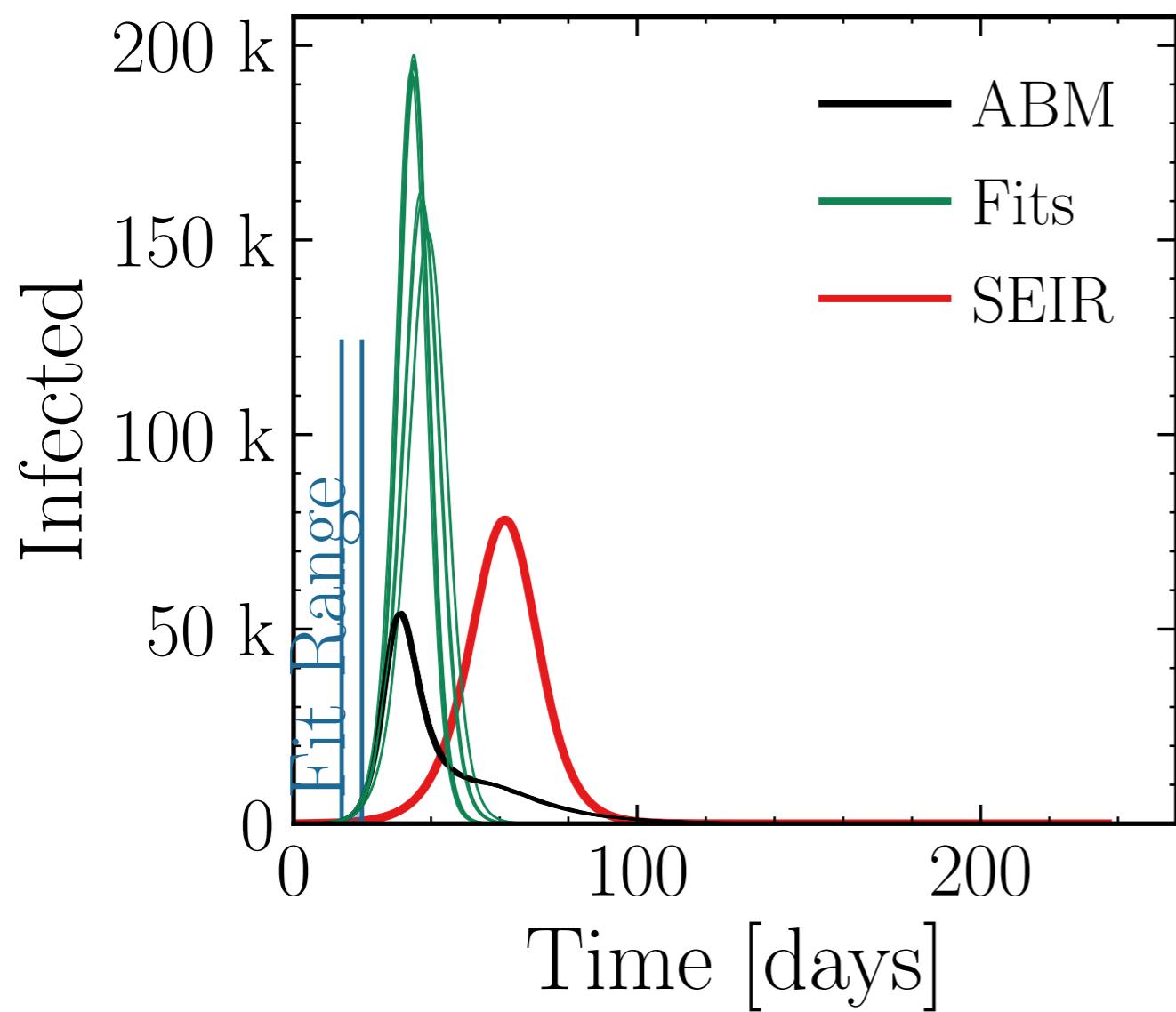
$$I_{\text{max}}^{\text{fit}} = (179 \pm 3.4\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 3.3 \pm 0.11$$

$$\nu = 1.0, \text{hash} = 32801e8614, \#10$$

$$R_{\infty}^{\text{fit}} = (576 \pm 0.17\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.983 \pm 0.0041$$



$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 80.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$

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

$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

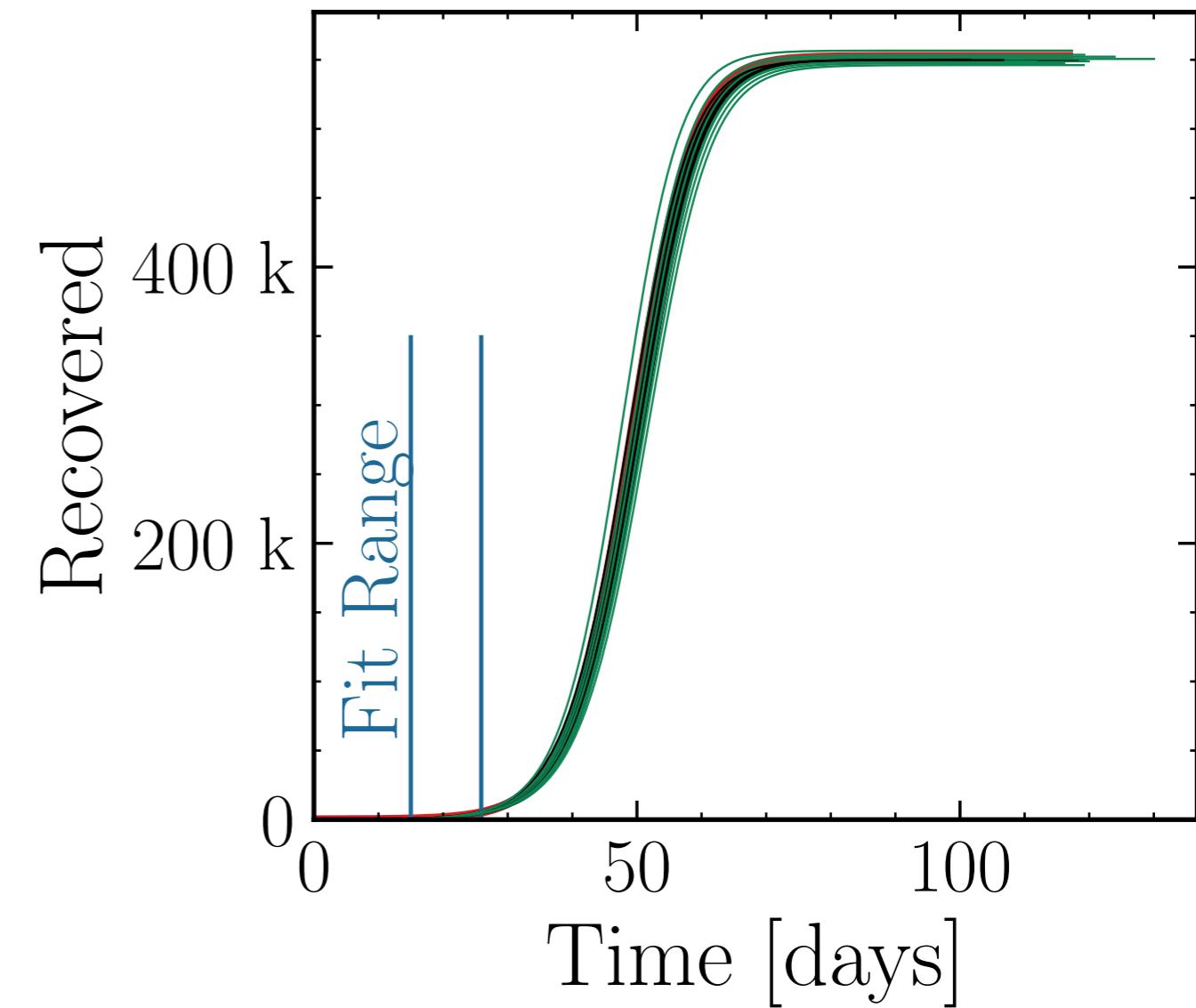
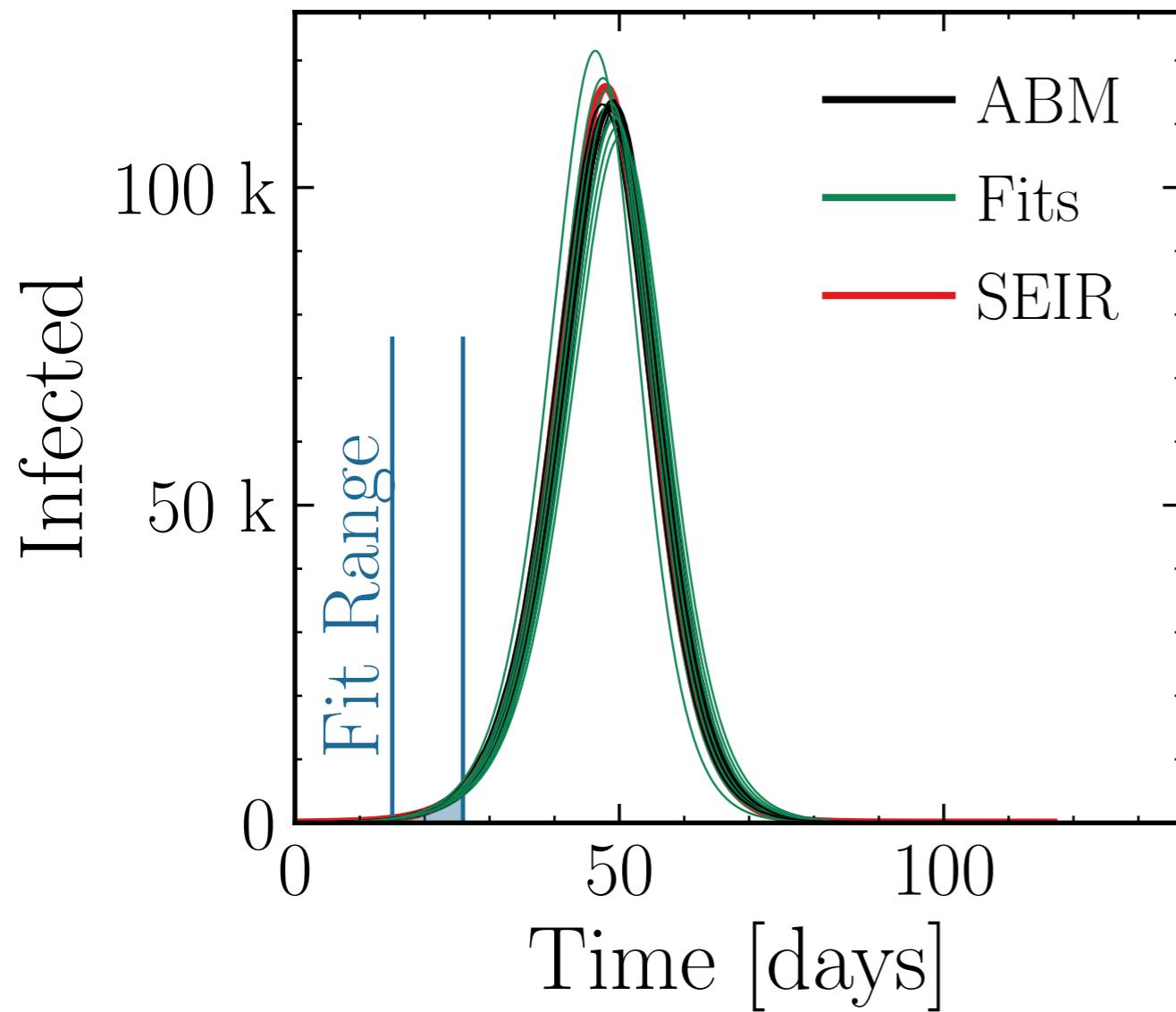
$$I_{\text{max}}^{\text{fit}} = (113 \pm 1.0\%) \cdot 10^3$$

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

$$\text{v.} = 1.0, \text{hash} = \text{b7260b443c}, \#10$$

$$R_{\infty}^{\text{fit}} = (550.5 \pm 0.17\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{fit}}} = 1.001 \pm 0.0017$$



$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 70.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$

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

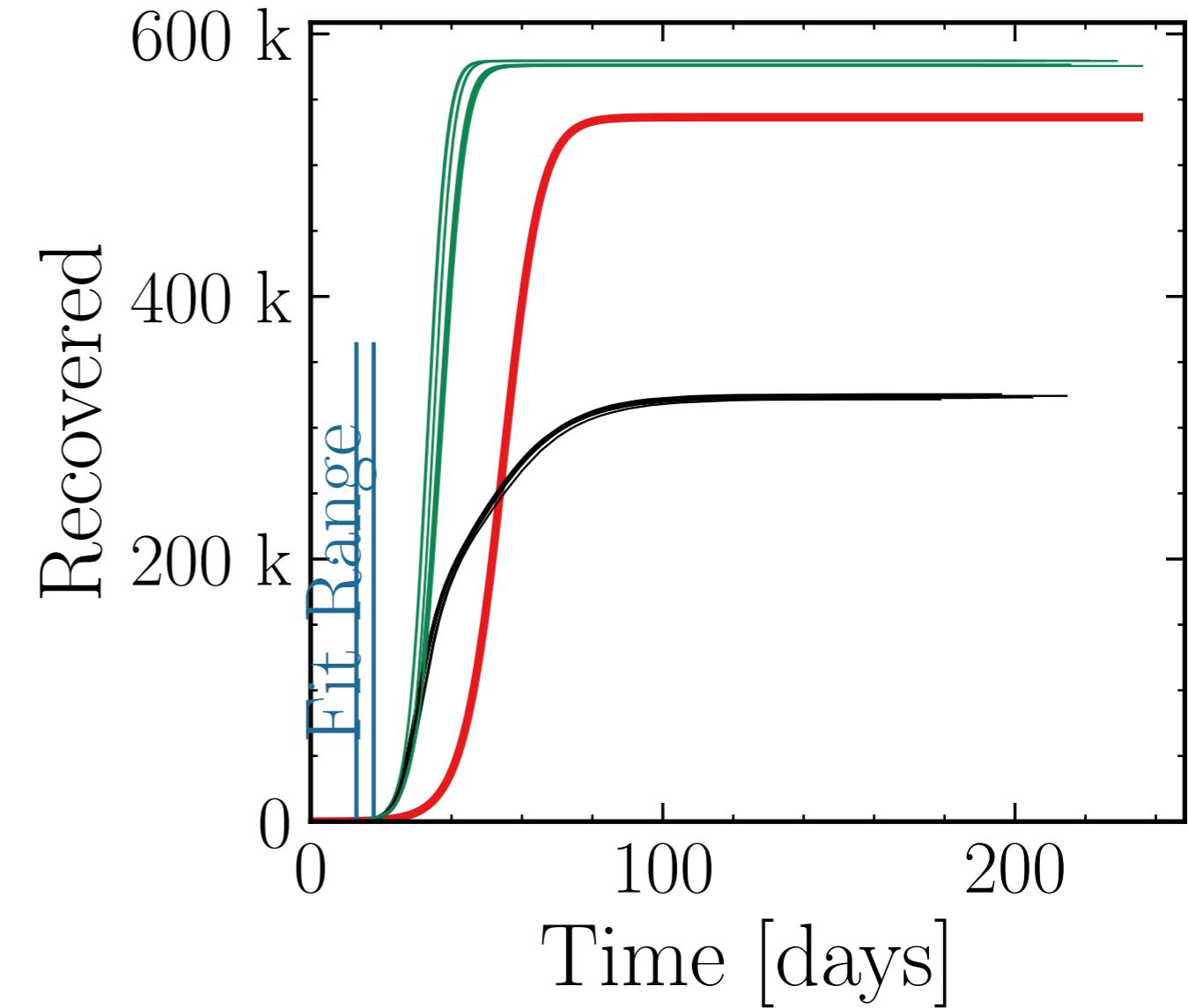
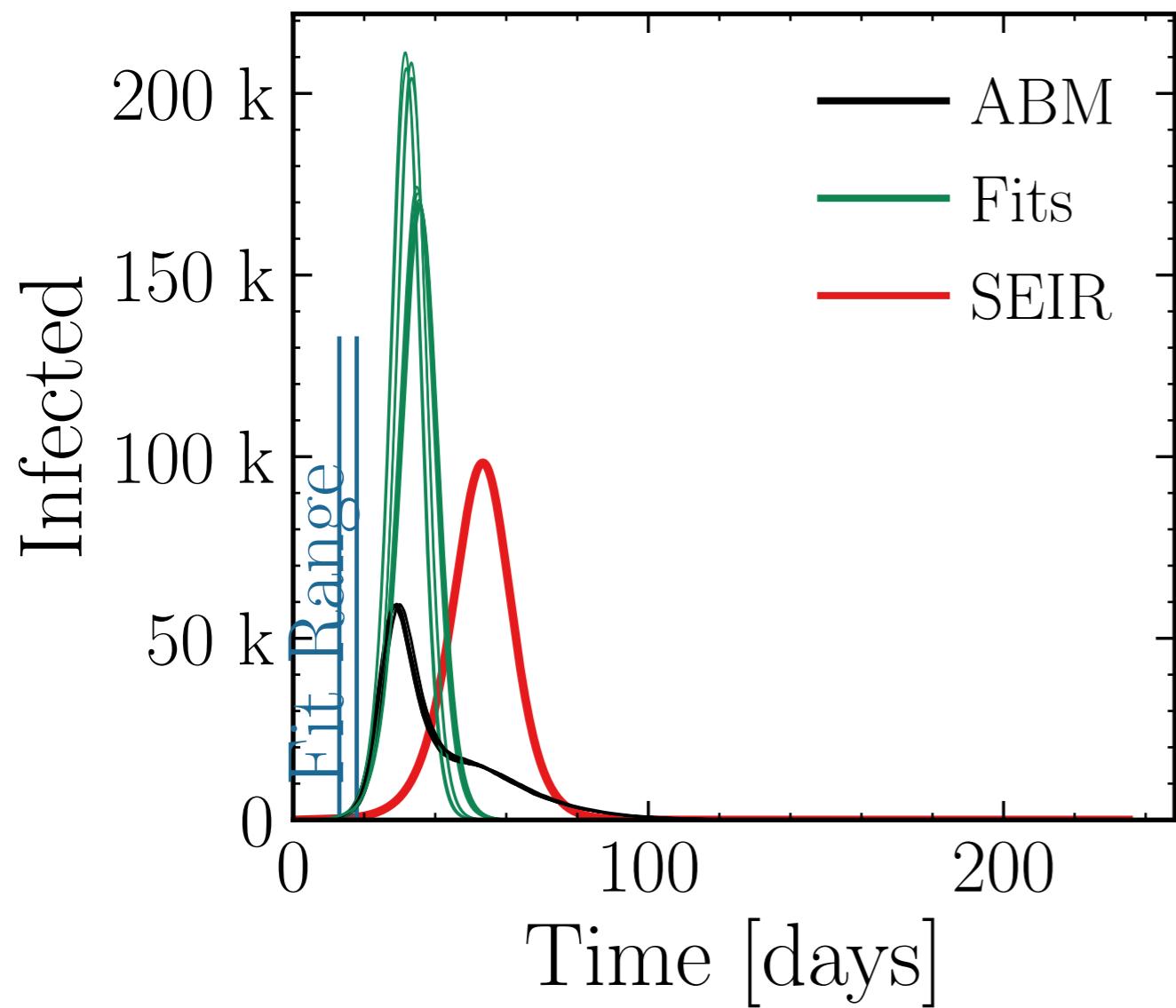
$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

$$I_{\text{max}}^{\text{fit}} = (186 \pm 3.1\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 3.14 \pm 0.098 \quad v. = 1.0, \text{hash} = 360de8df7d, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{fit}}} = (577.4 \pm 0.095\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{fit}}} = 1.785 \pm 0.0031$$



$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 80.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$

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

$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β scaling} = 10.0, event_{weekendmultiplier} = 1.0

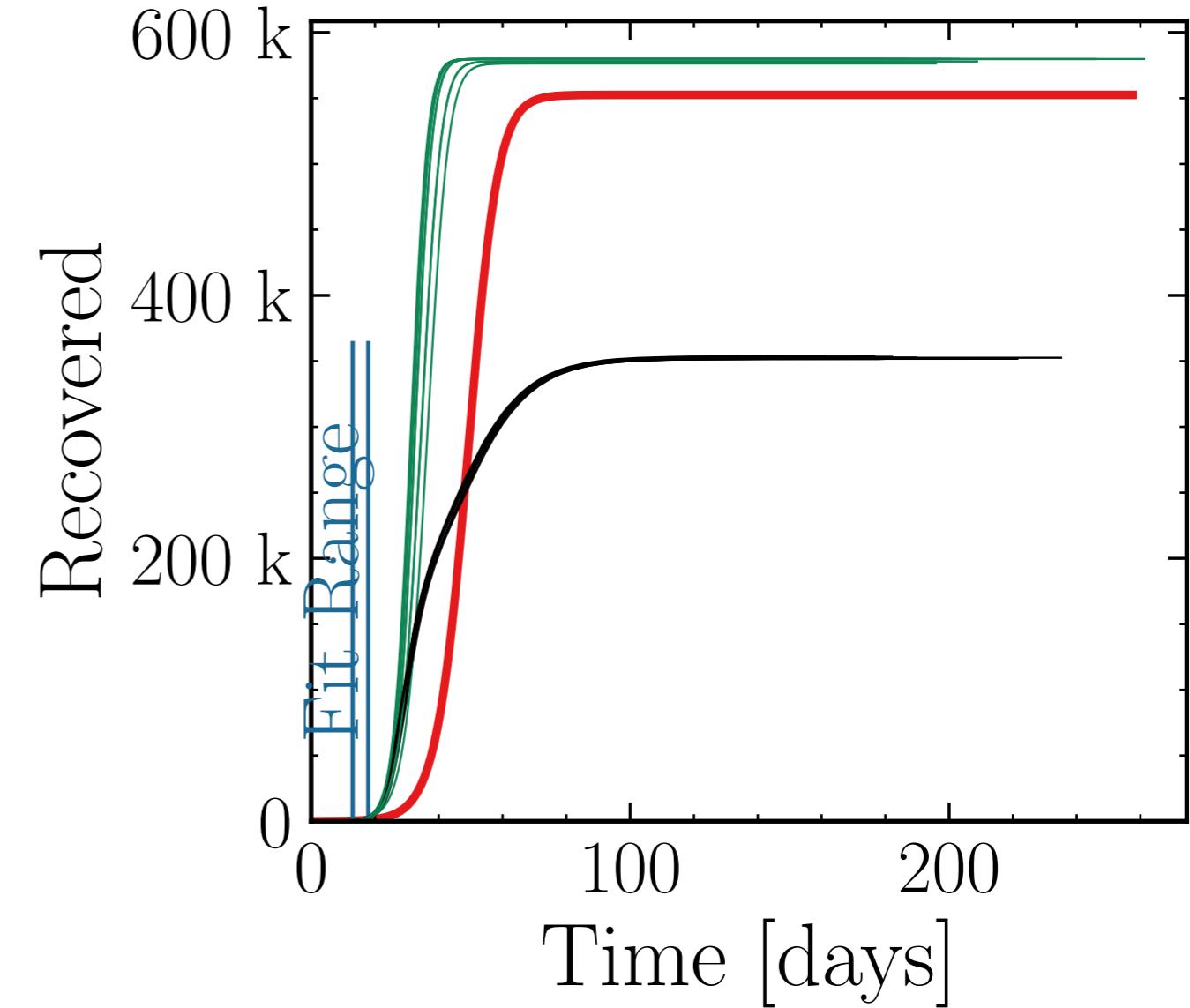
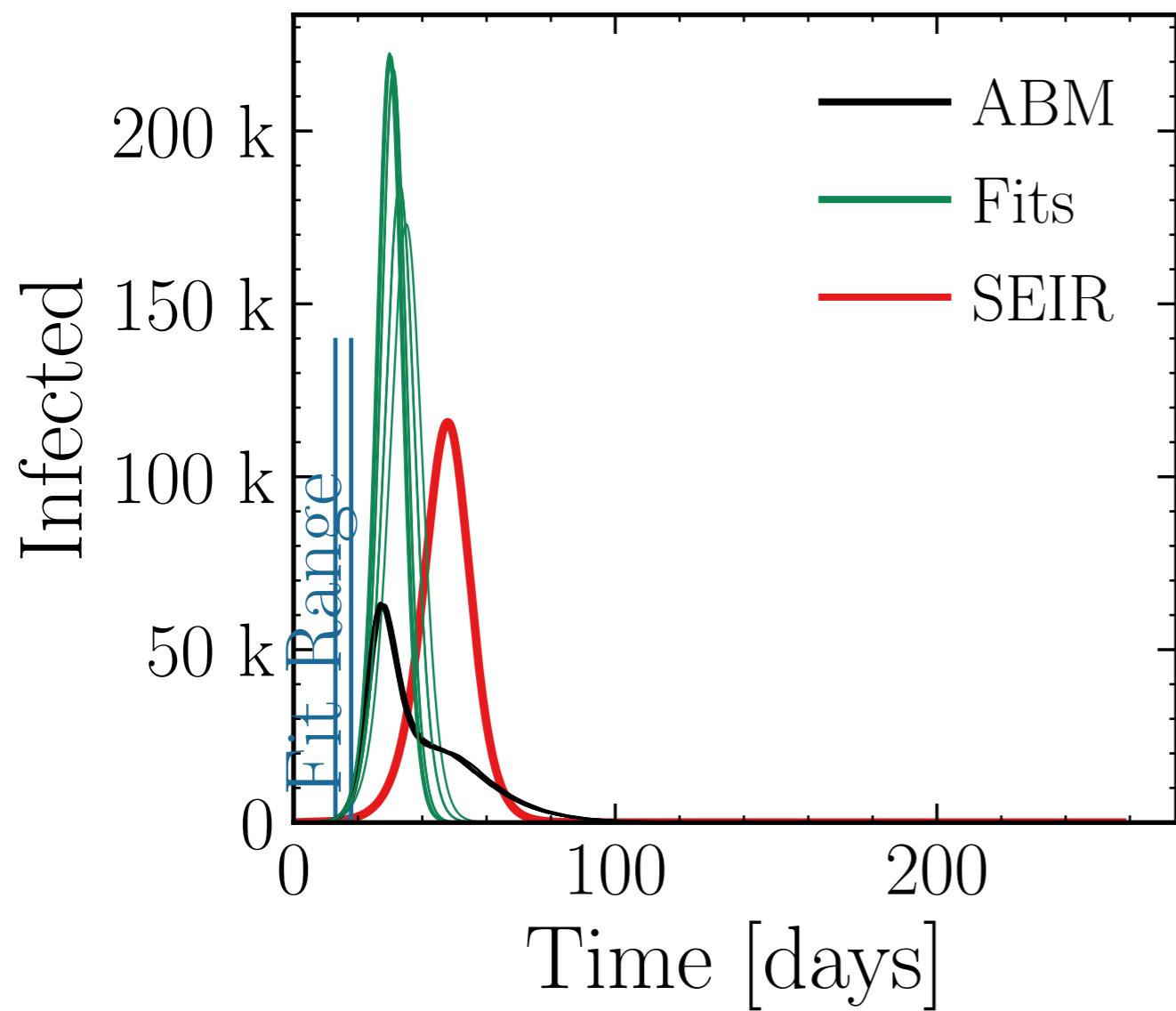
$$I_{\text{max}}^{\text{fit}} = (208 \pm 2.8\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 3.3 \pm 0.091$$

$$\text{v.} = 1.0, \text{hash} = 7fe6d5a83e, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (579.1 \pm 0.063\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.643 \pm 0.0011$$



$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 90.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$

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

$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

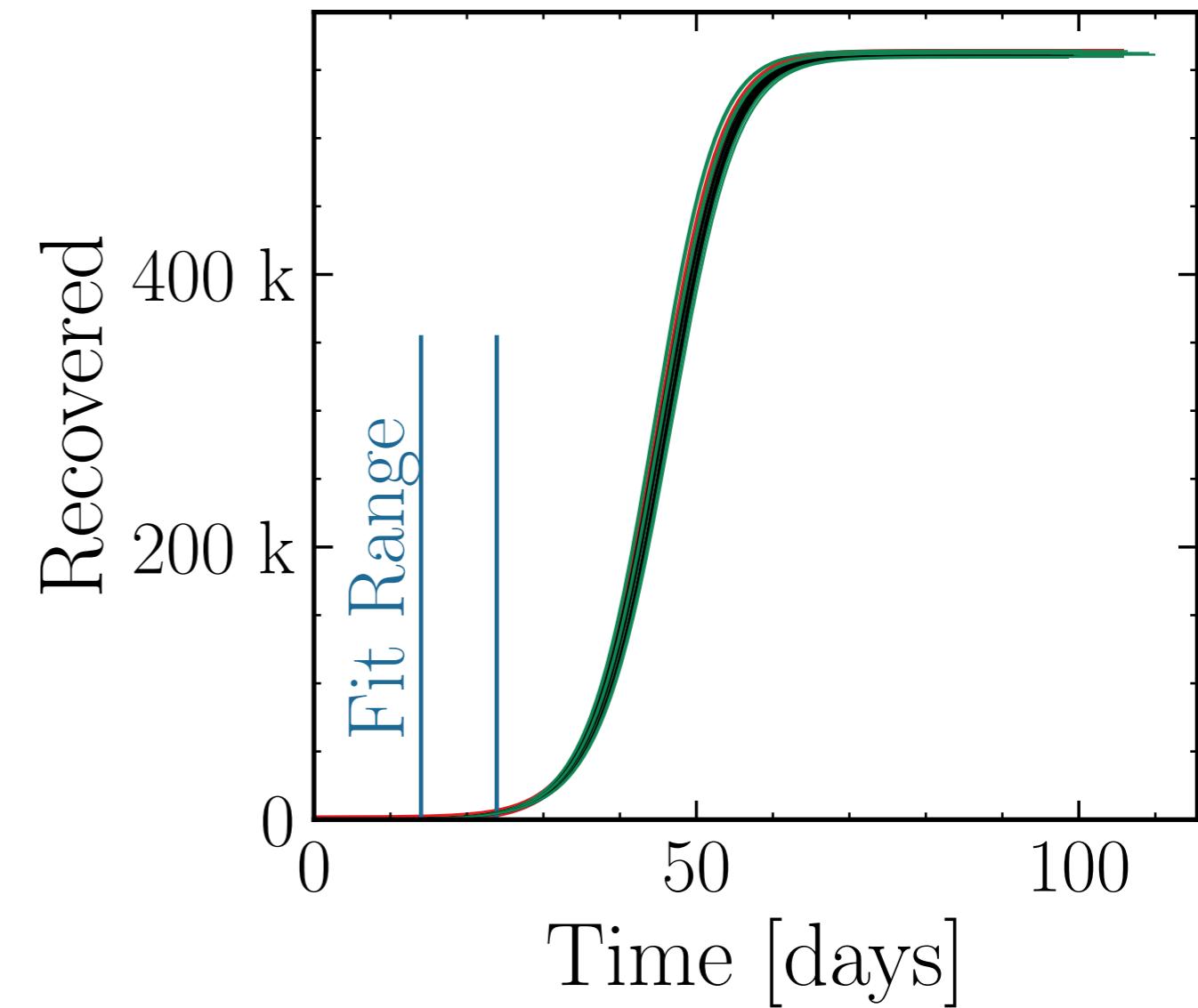
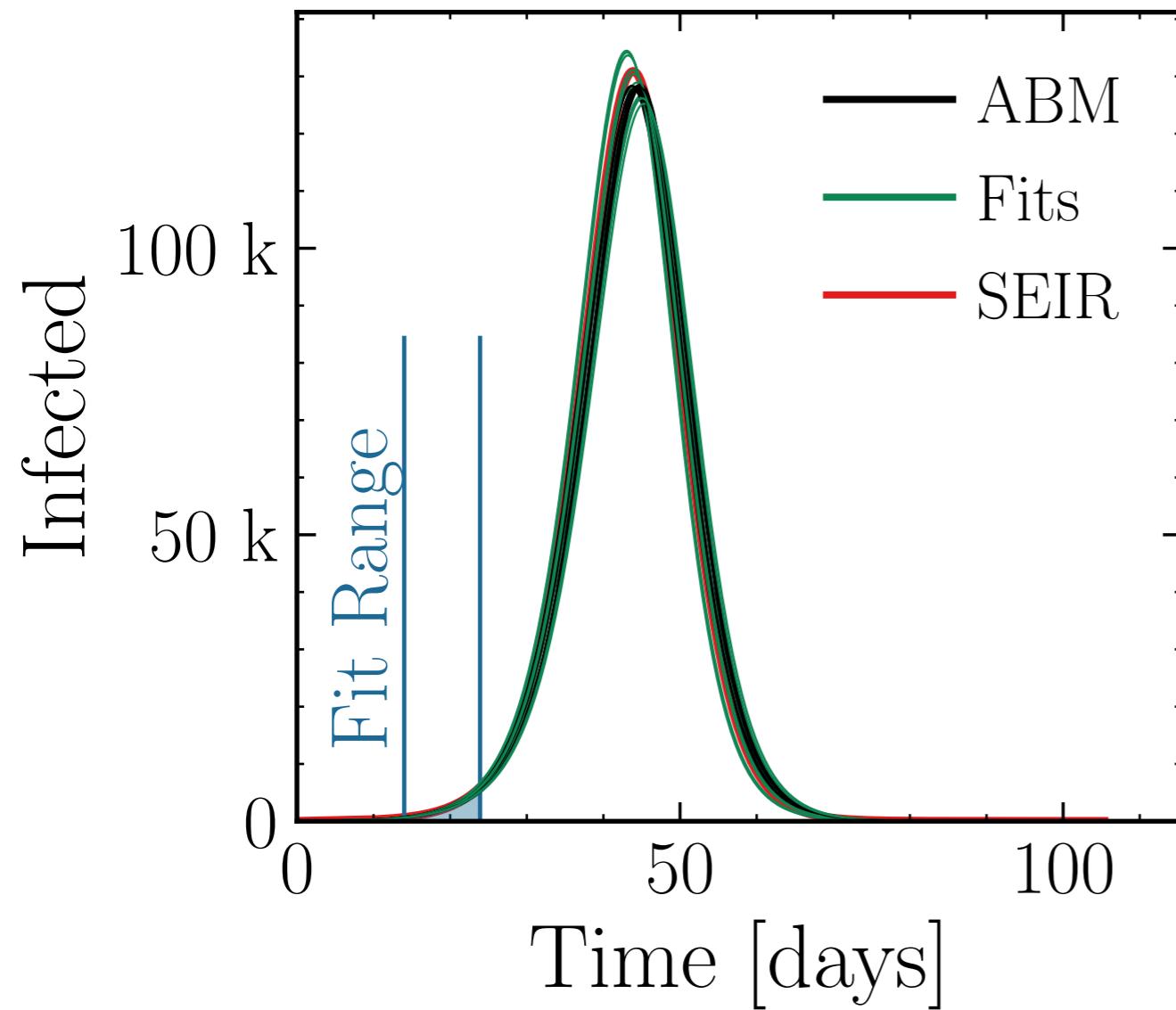
$$I_{\text{max}}^{\text{fit}} = (130 \pm 0.83\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1.011 \pm 0.0085$$

$$\text{v.} = 1.0, \text{hash} = \text{d846da6fc1}, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{fit}}} = (561.6 \pm 0.11\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{fit}}} = 1.002 \pm 0.0010$$



$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 100.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$

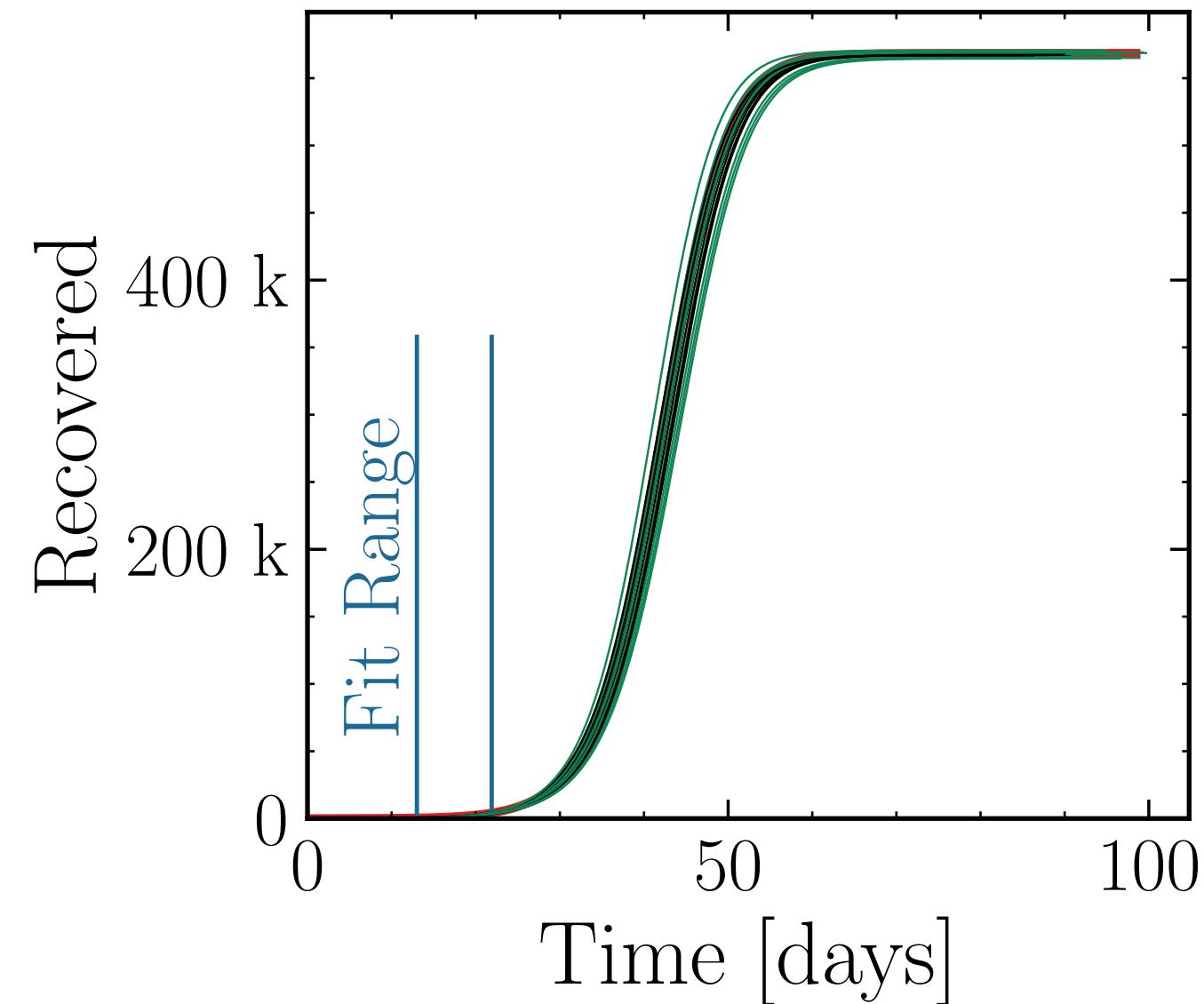
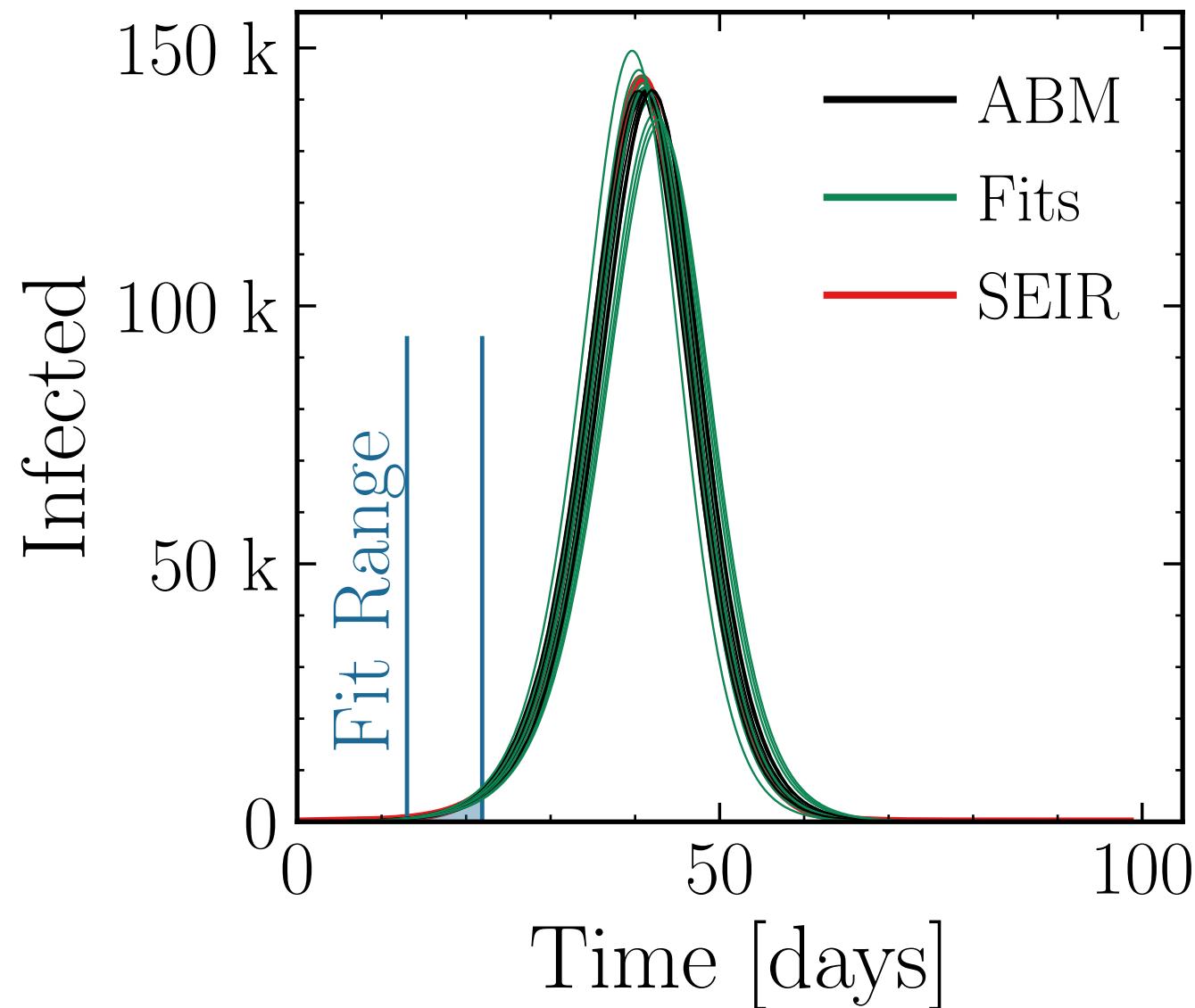
$\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{connect}} = 0$

$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β scaling} = 10.0, event_{weekendmultiplier} = 1.0

$$I_{\text{max}}^{\text{fit}} = (142 \pm 0.96\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 0.999 \pm 0.010 \quad v. = 1.0, \text{hash} = 7792e2fa8f\#\#10, R_{\infty}^{\text{fit}} = (567.4 \pm 0.1\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1 \pm 0.0010$$



$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 90.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, 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_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

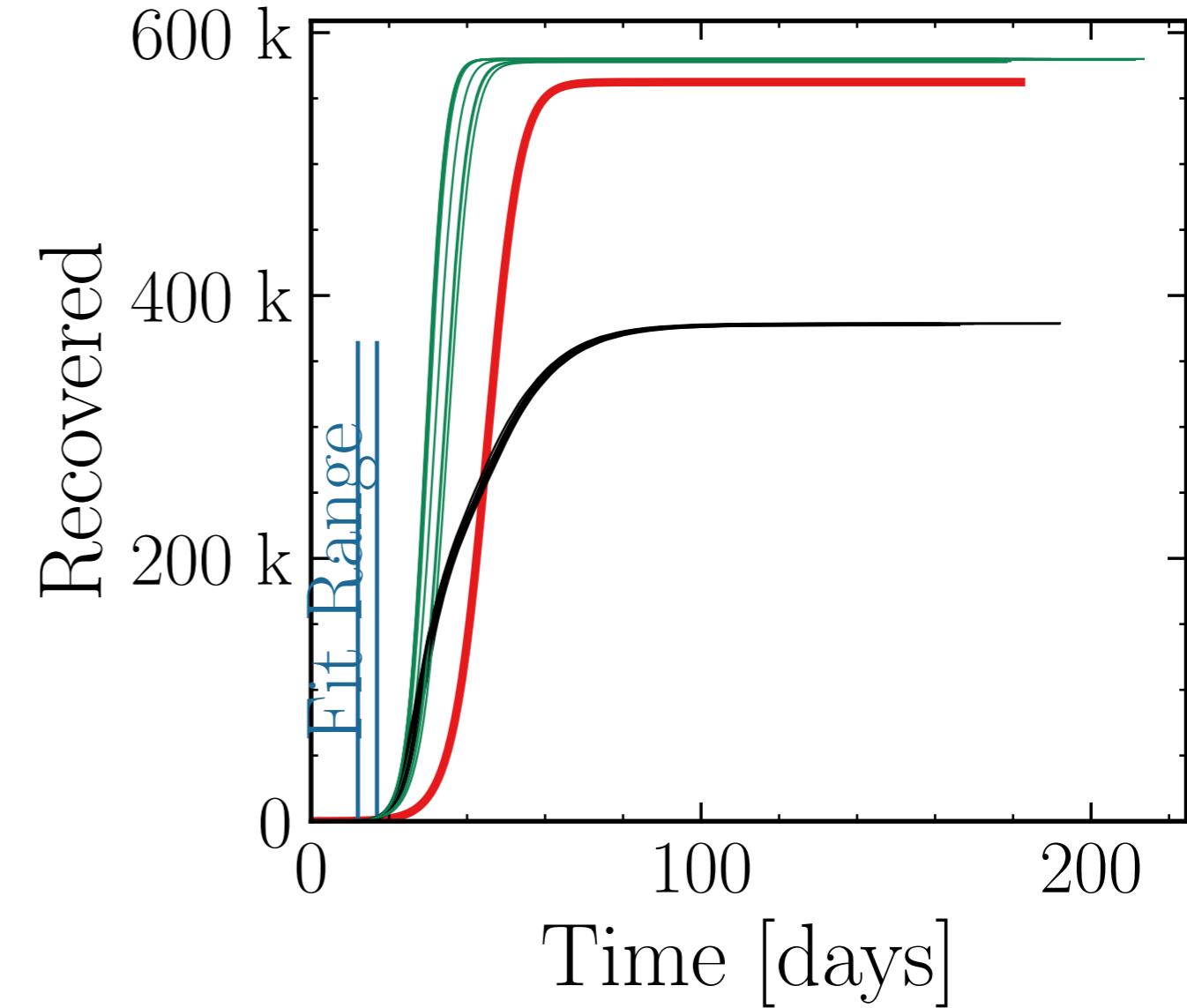
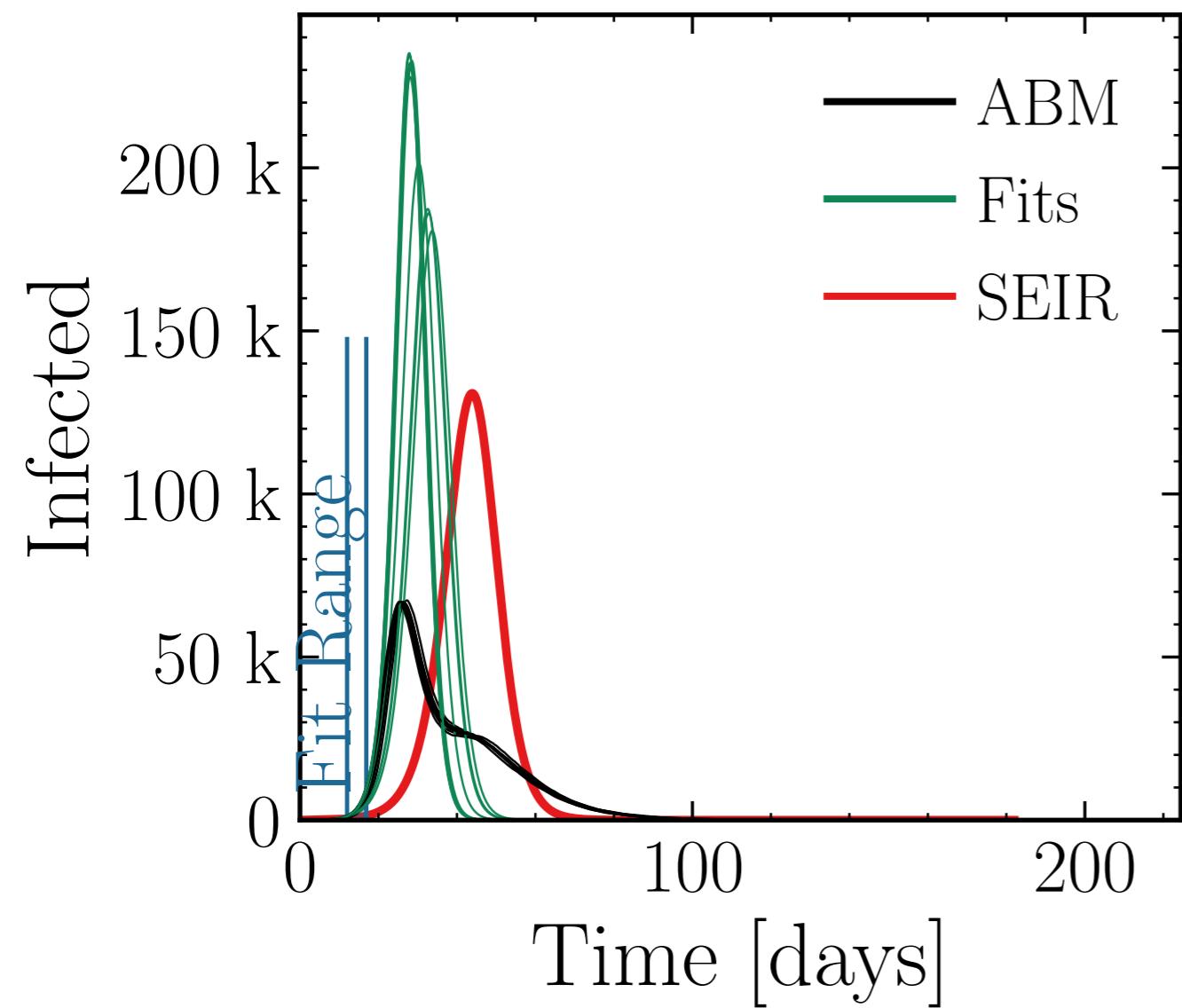
$$I_{\text{max}}^{\text{fit}} = (215 \pm 3.2\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 3.2 \pm 0.11$$

$$\text{v.} = 1.0, \text{hash} = \text{f15a9dbf44}, \#10$$

$$R_{\infty}^{\text{fit}} = (579.3 \pm 0.049\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.532 \pm 0.0011$$



$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 100.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$

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

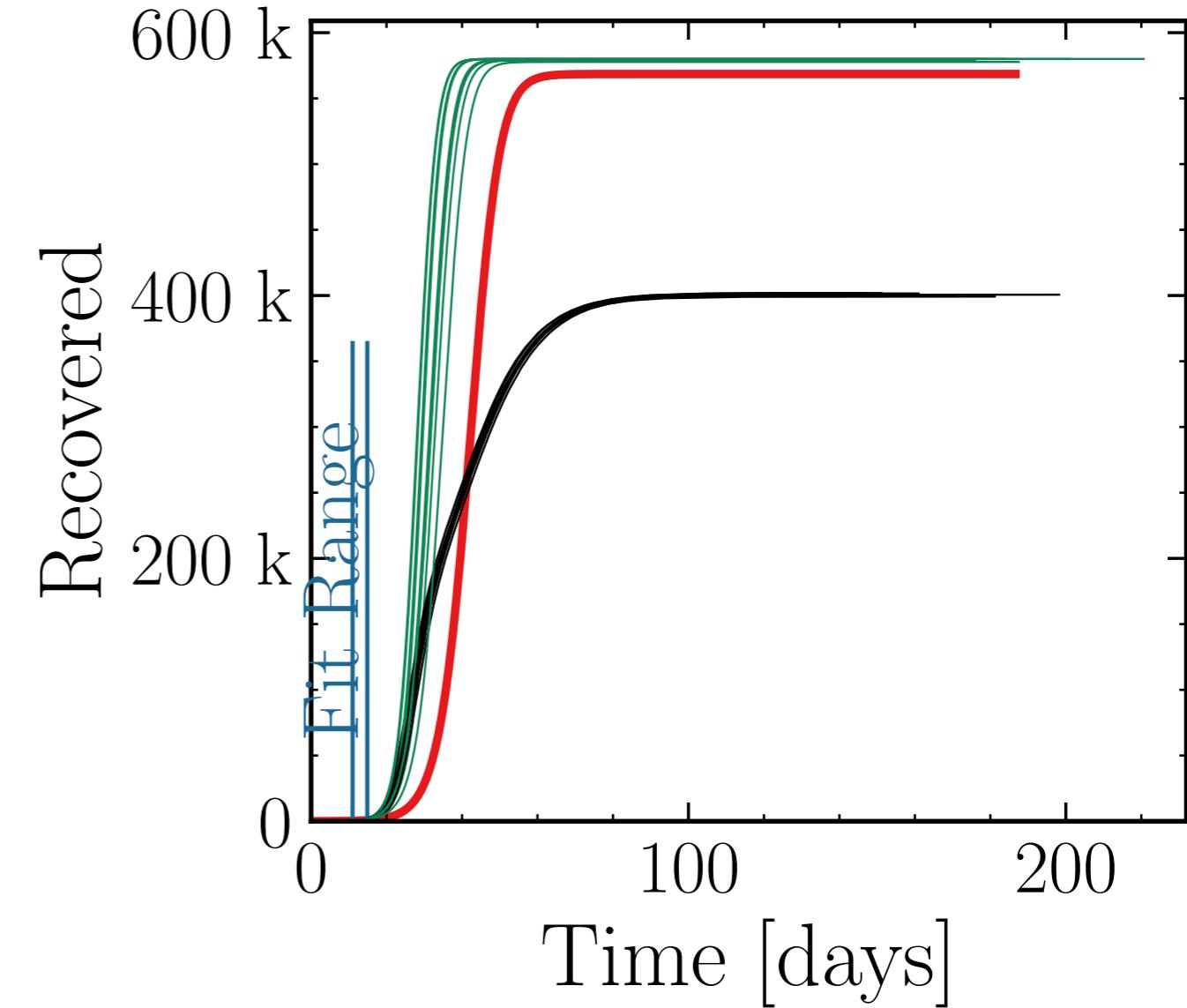
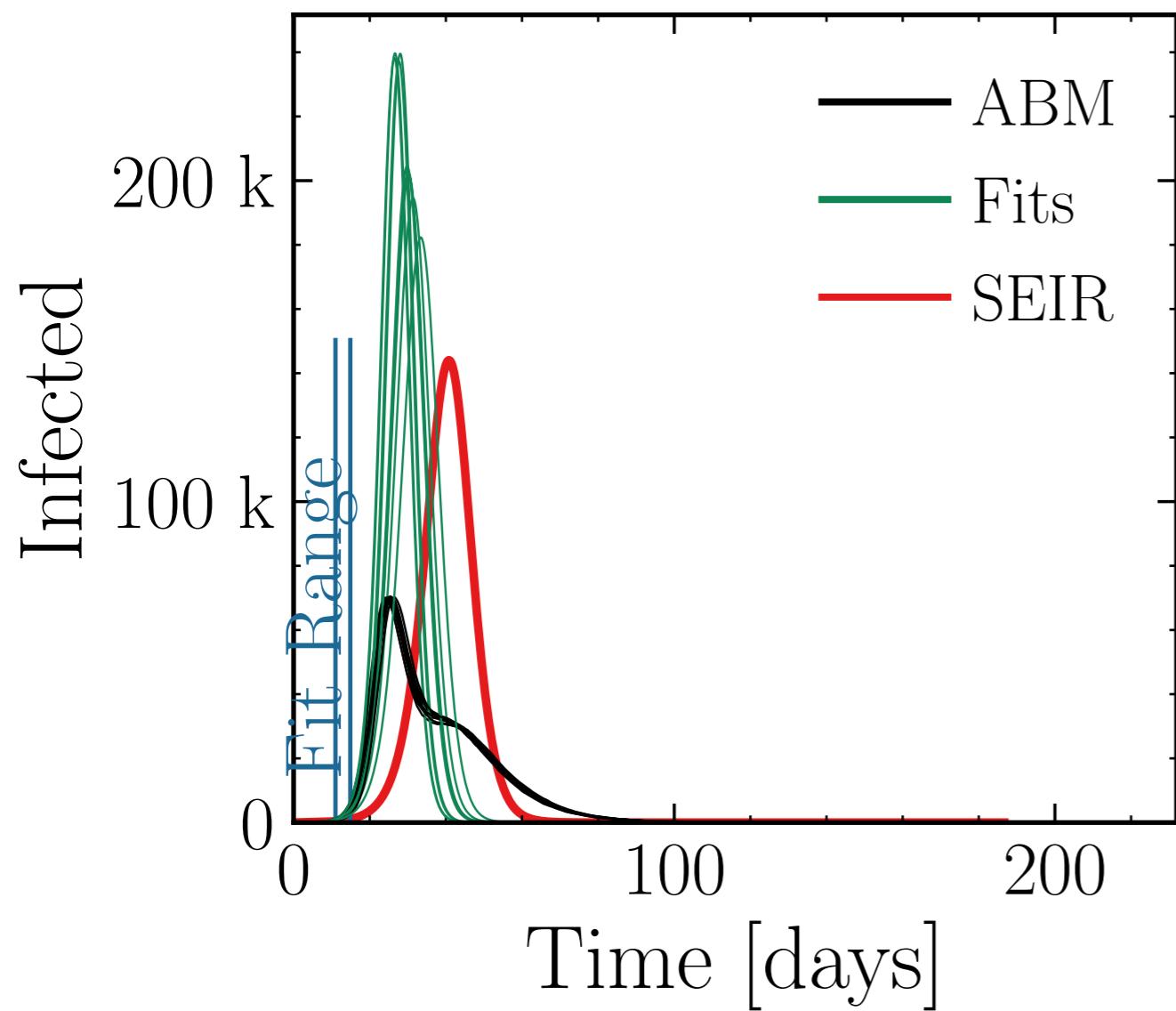
$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

$$I_{\text{max}}^{\text{fit}} = (214 \pm 3.1\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 3.07 \pm 0.093 \quad v. = 1.0, \text{hash} = 2843f0b89a, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (579.4 \pm 0.036\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{fit}}} = 1.446 \pm 0.0011$$



$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.008$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$

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

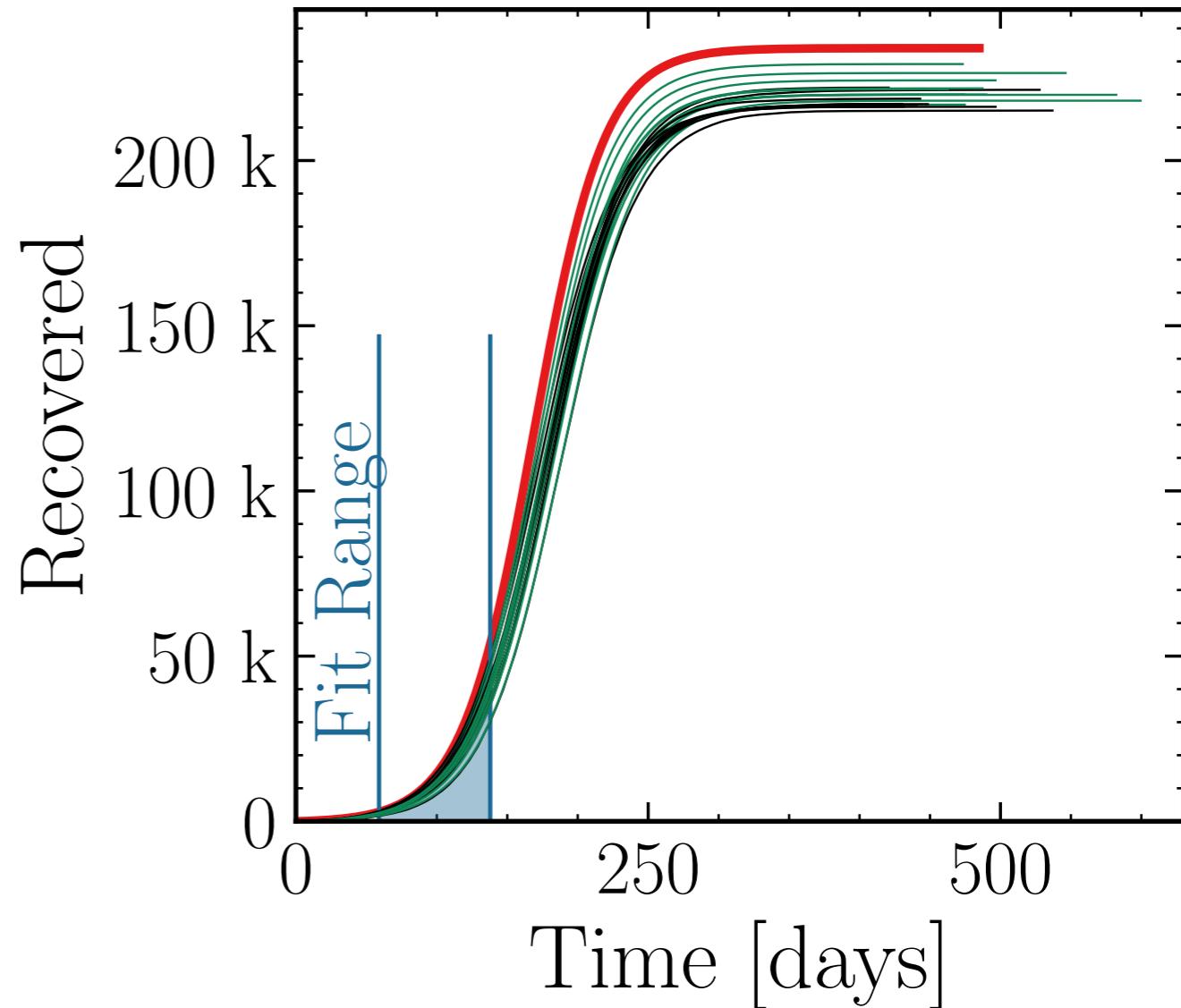
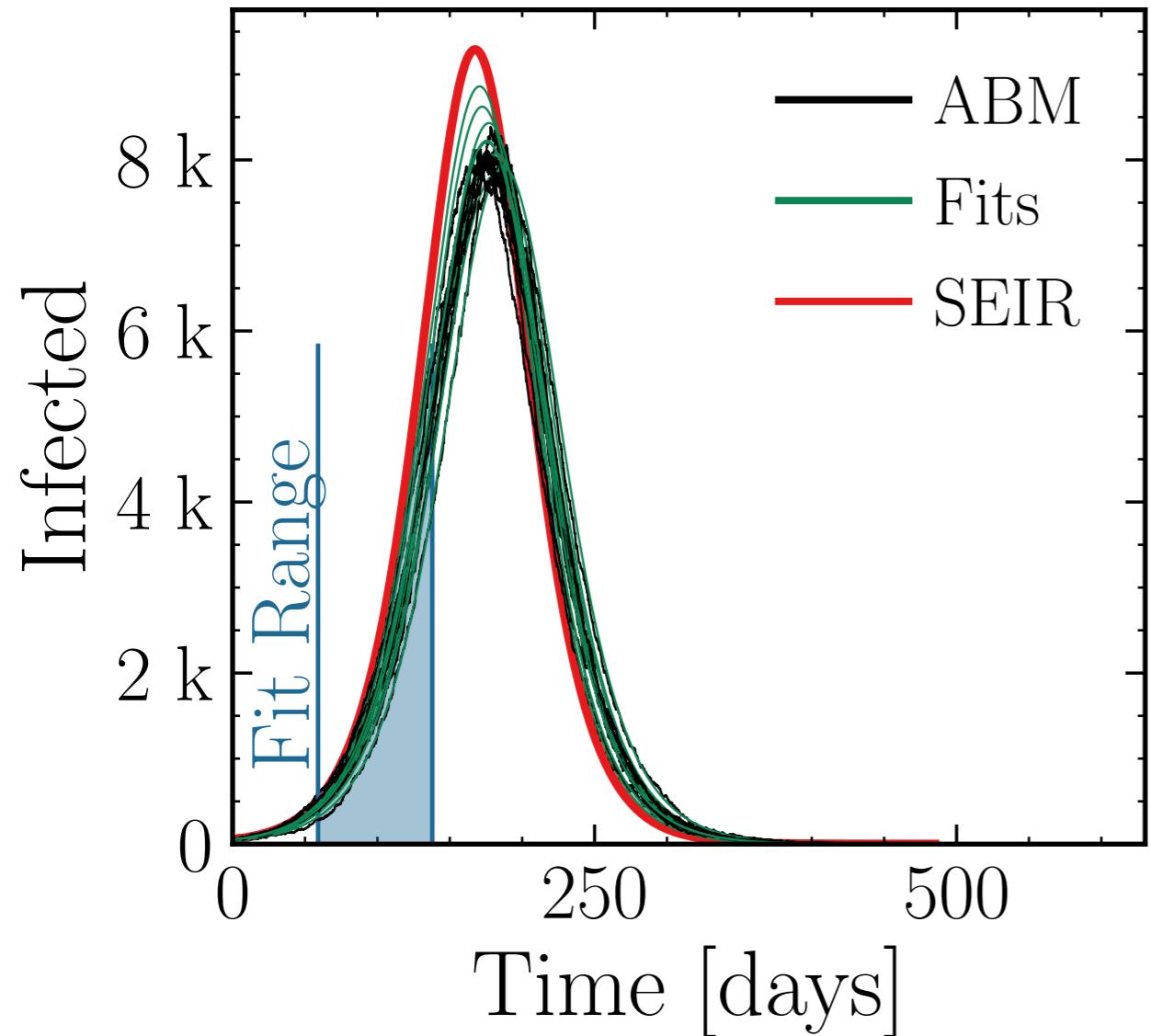
$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β scaling} = 10.0, event_{weekendmultiplier} = 1.0

$$I_{\text{max}}^{\text{fit}} = (8.23 \pm 1.2\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1.02 \pm 0.013$$

$$\nu = 1.0, \text{hash} = 27186920f8, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (222 \pm 0.52\%) \cdot 10^3$$



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

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

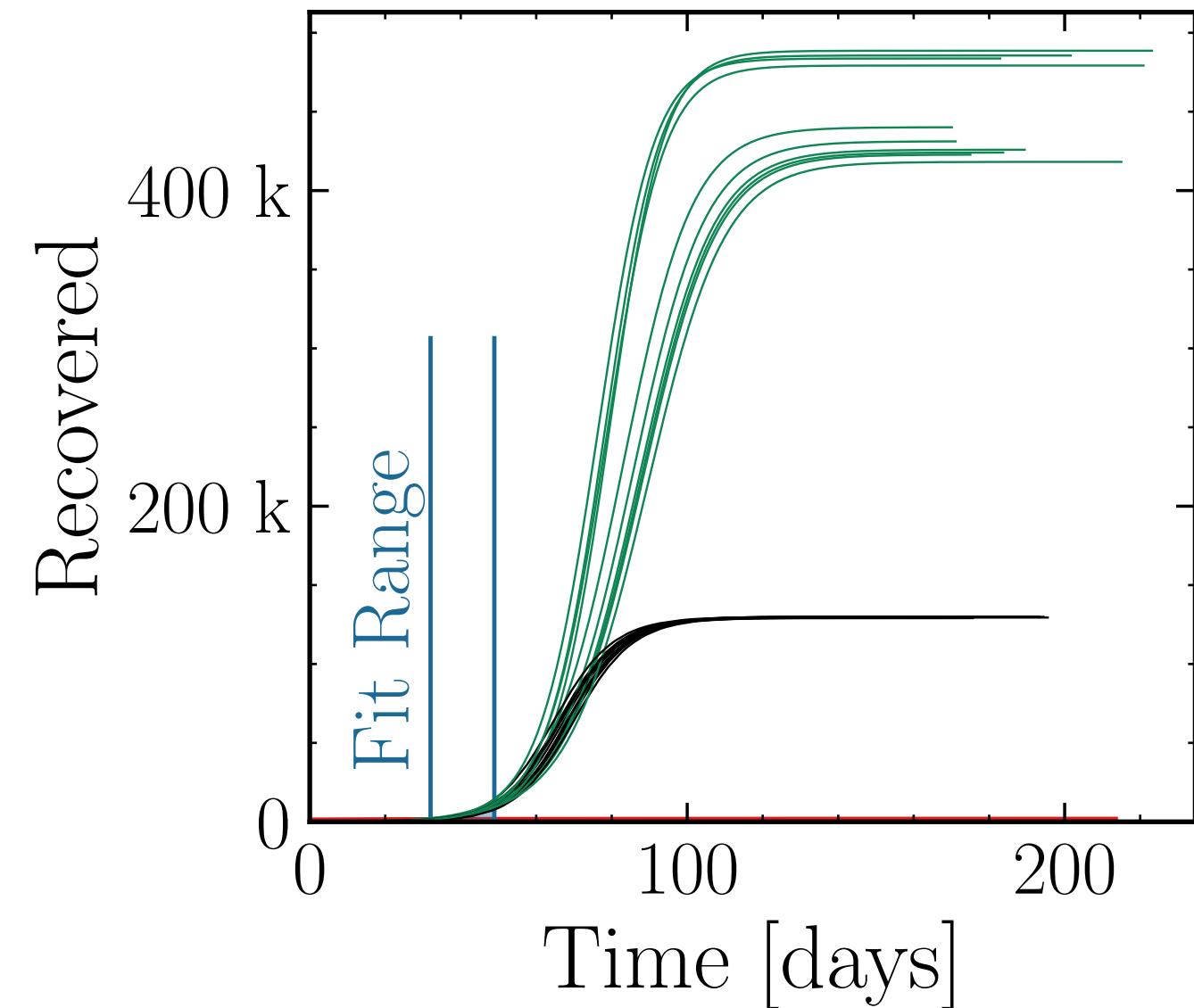
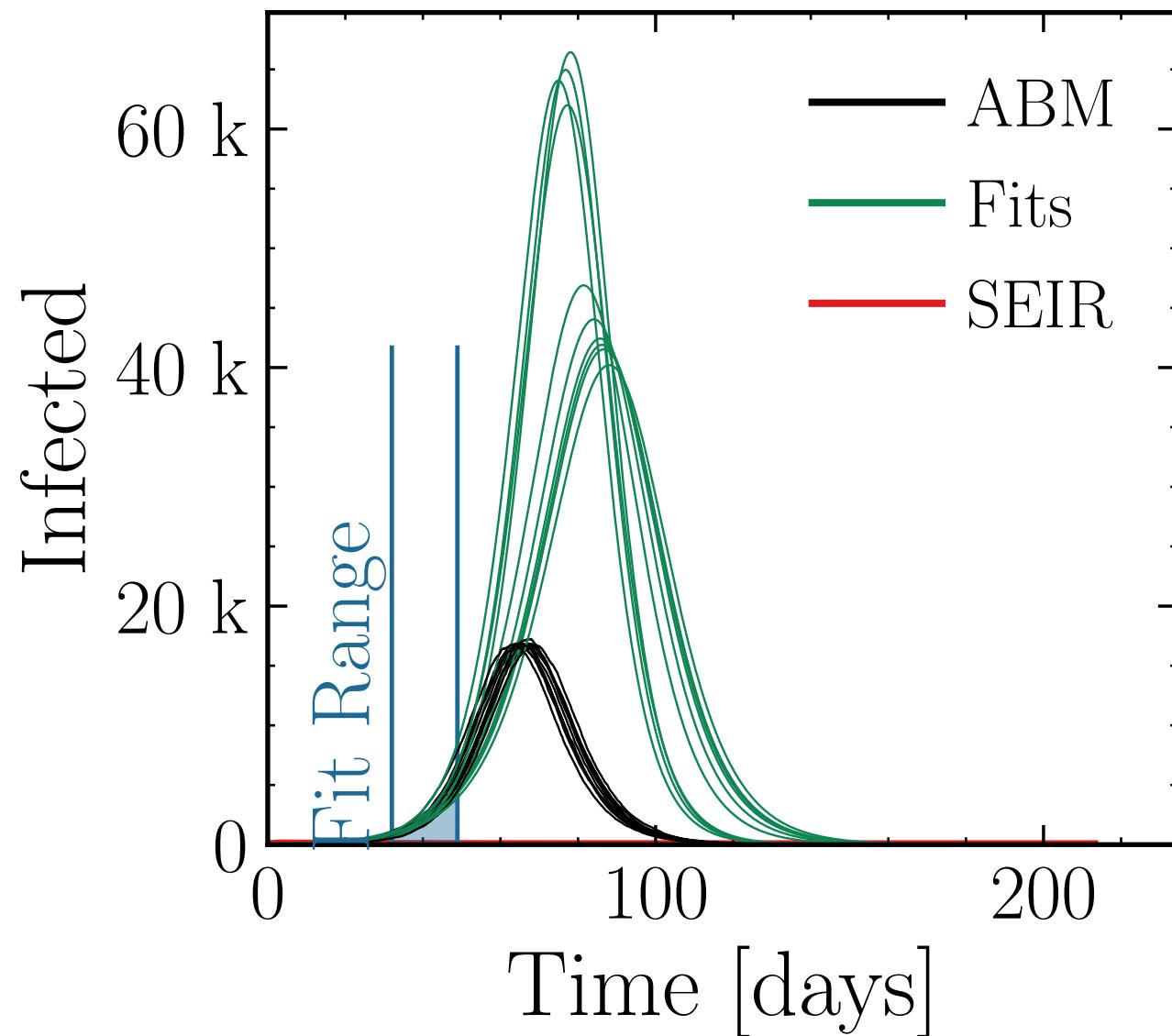
$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

$$I_{\text{max}}^{\text{fit}} = (51 \pm 6.6\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 3.1 \pm 0.20$$

$$\text{v.} = 1.0, \text{hash} = 3e05448c41 \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{fit}}} = 3.47 \pm 0.070$$



$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.006$, $\sigma_\beta = 0.0$, 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_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β scaling} = 10.0, event_{weekendmultiplier} = 1.0

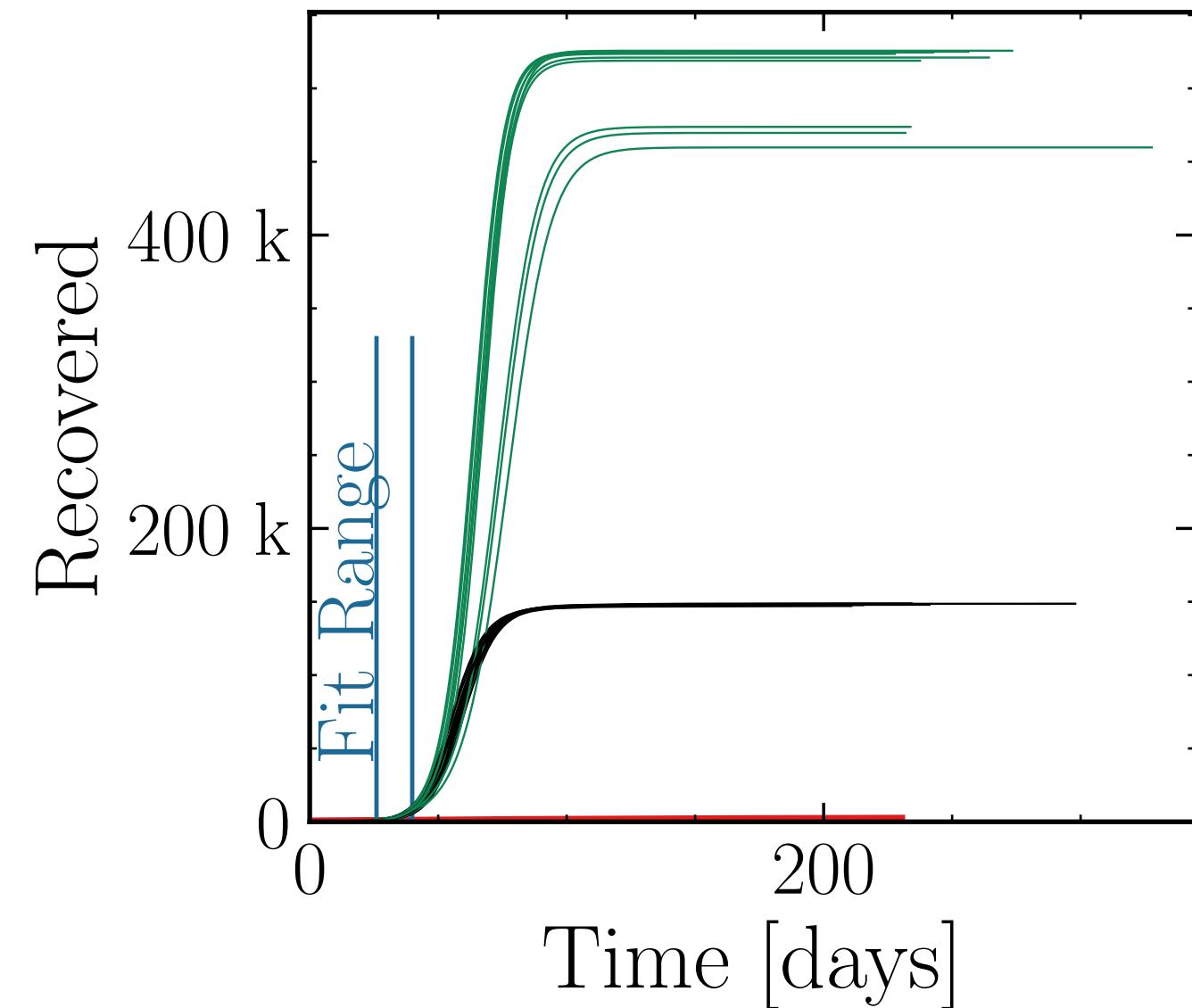
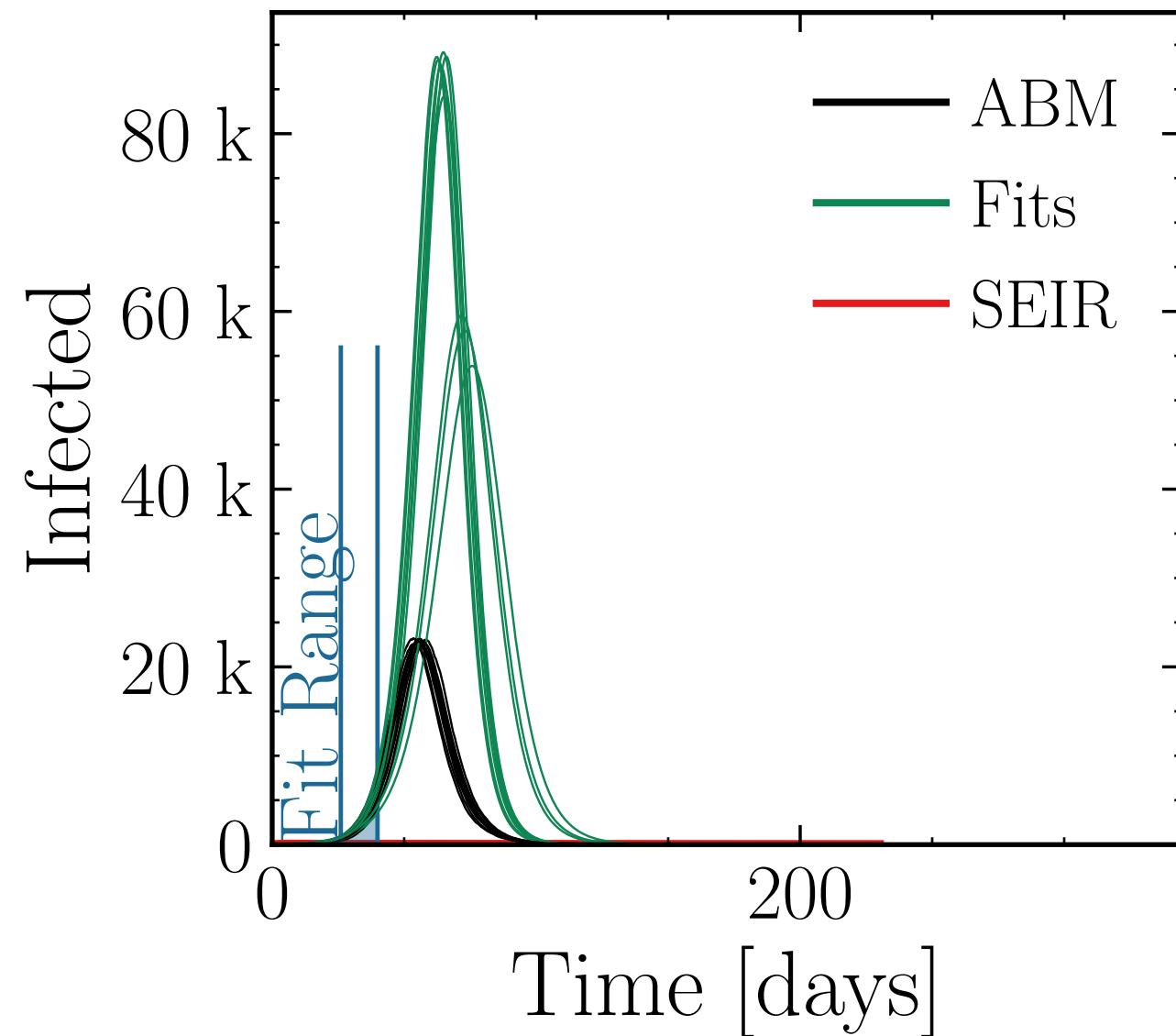
$$I_{\text{max}}^{\text{fit}} = (78 \pm 5.7\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{ABM}}^{\text{max}}} = 3.4 \pm 0.19$$

$$\text{v.} = 1.0, \text{hash} = 5a7fcf345a \#10$$

$$R_{\infty}^{\text{fit}} \# (507 \pm 1.6\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 3.42 \pm 0.055$$



$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.009$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$

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

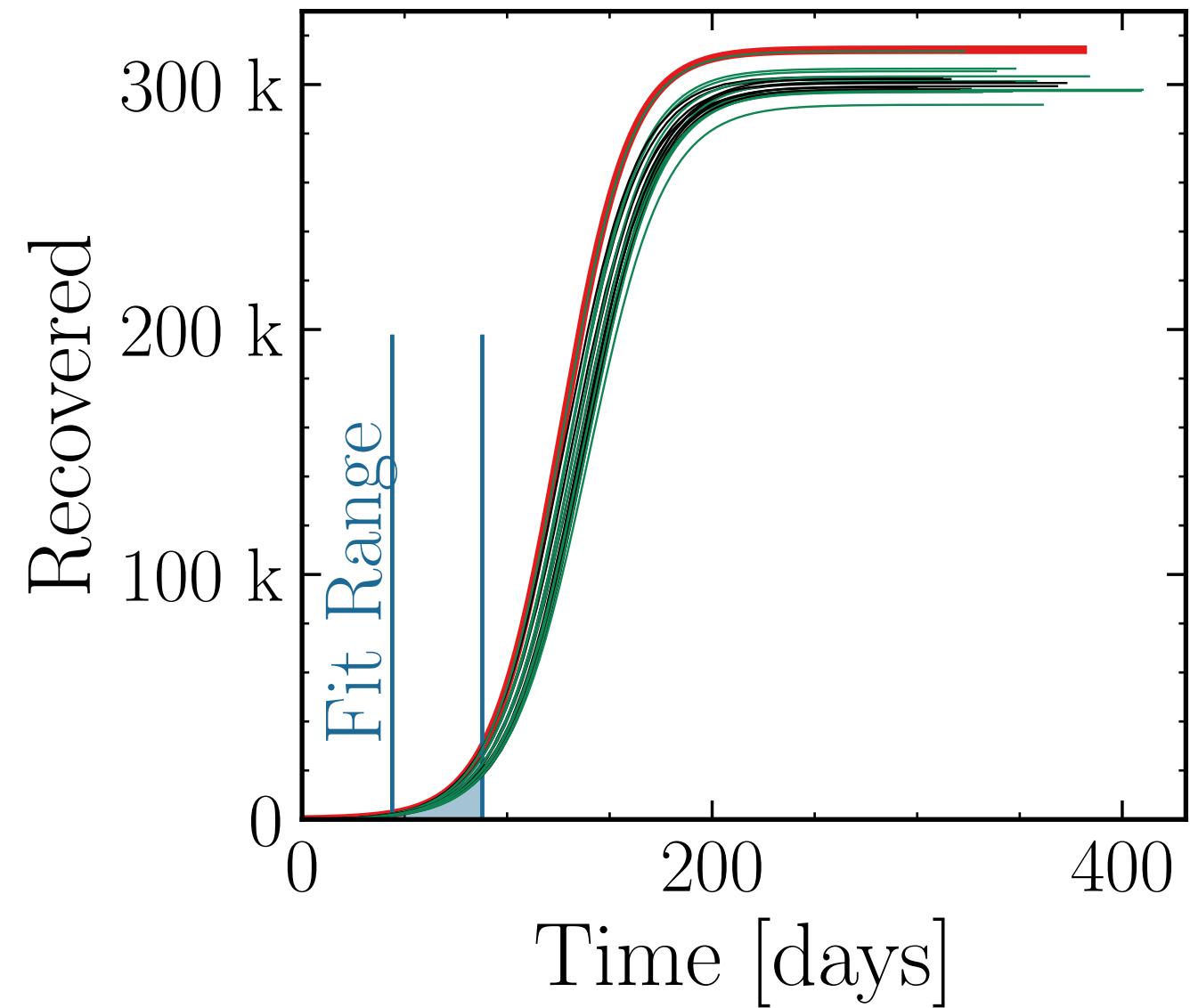
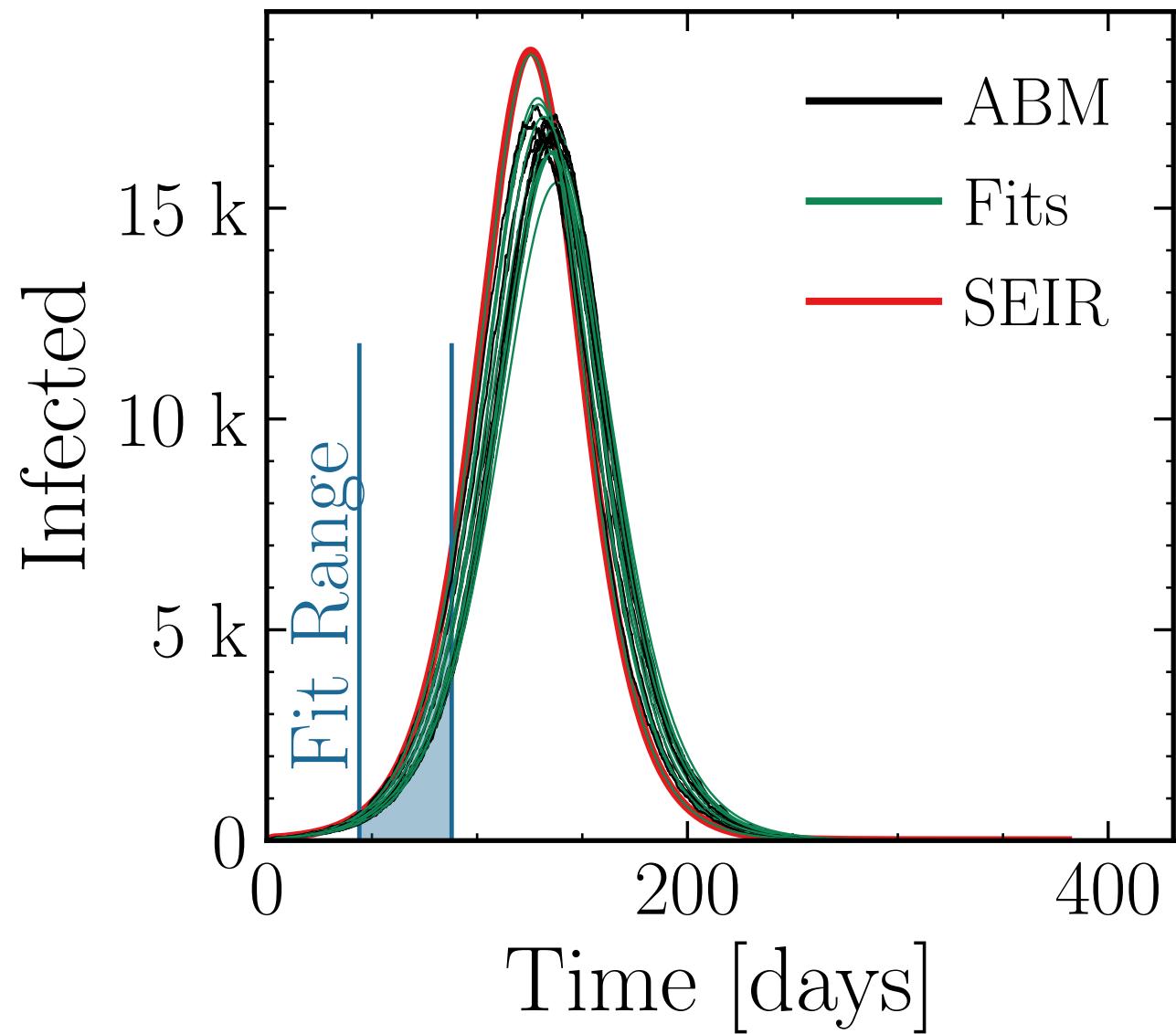
$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β scaling} = 10.0, event_{weekendmultiplier} = 1.0

$I_{\text{max}}^{\text{fit}} = (16.9 \pm 1.5\%) \cdot 10^3$

$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{ABM}}^{\text{max}}} = 0.996 \pm 0.014$ v. = 1.0, hash = c5a97aba6a #10

$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (301 \pm 0.63\%) \cdot 10^3$

$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{fit}}} = 1.003 \pm 0.0056$



$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.008$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$

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

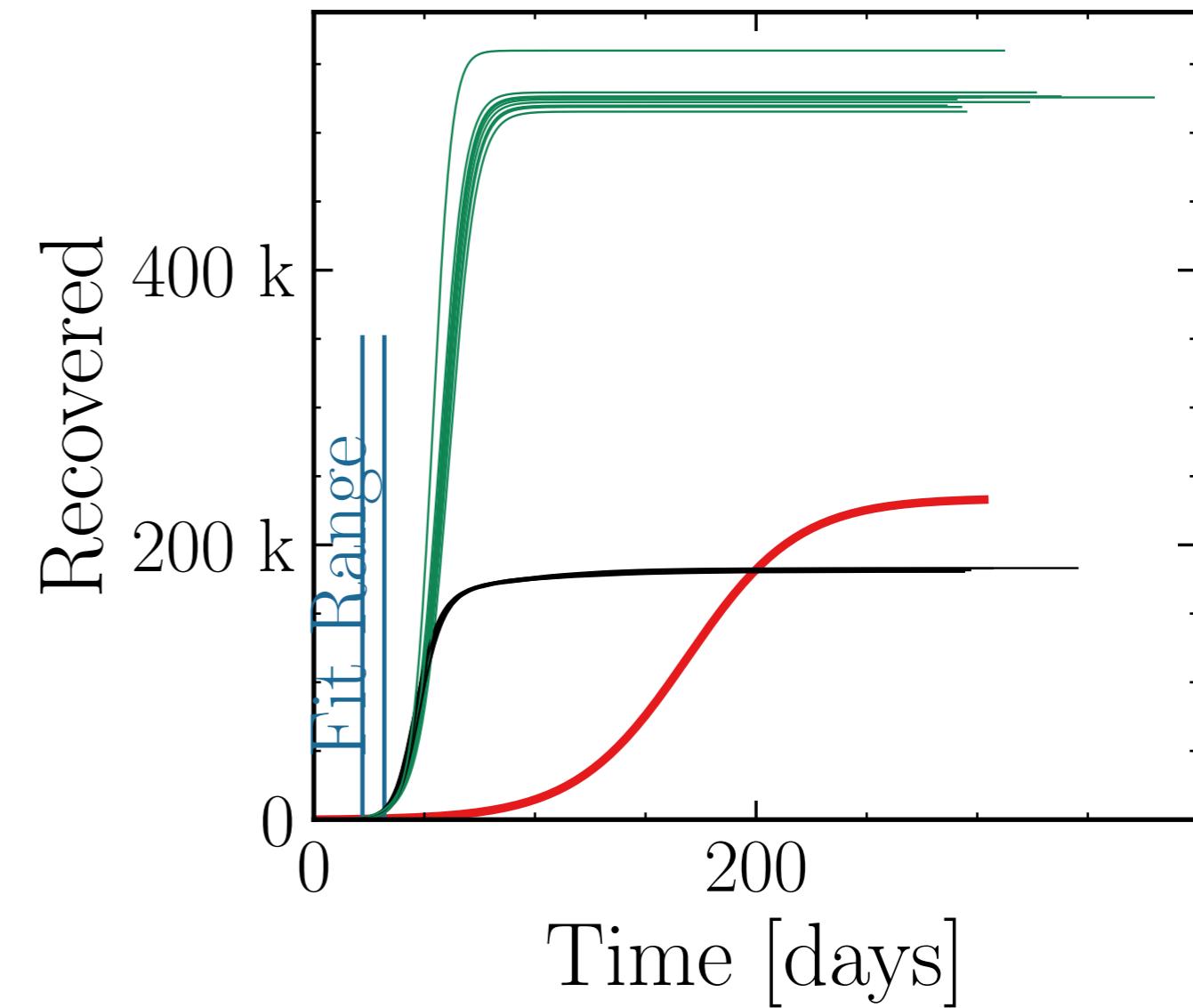
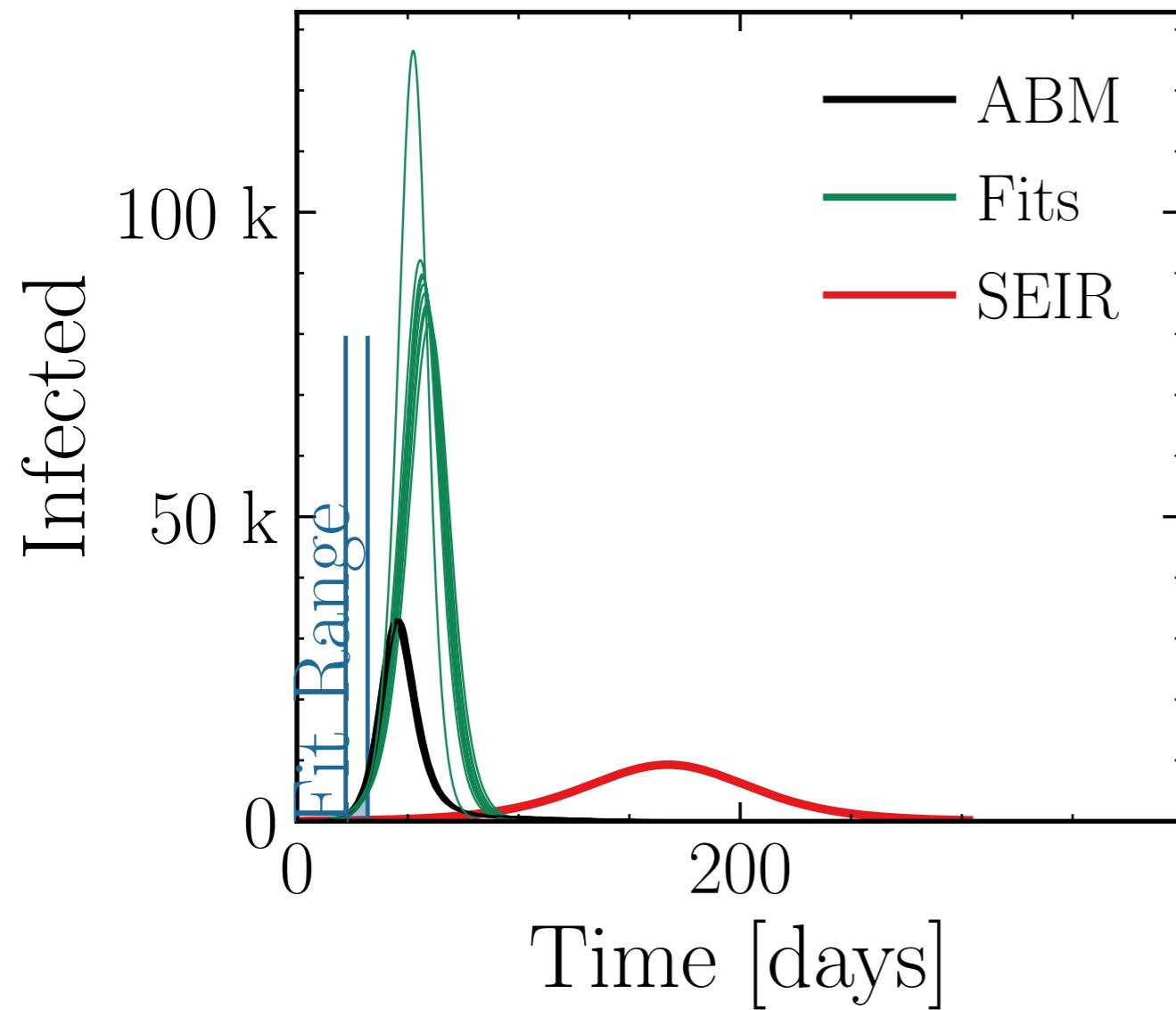
$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β scaling} = 10.0, event_{weekendmultiplier} = 1.0

$$I_{\text{max}}^{\text{fit}} = (91 \pm 4.2\%) \cdot 10^3$$

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

$$\text{v.} = 1.0, \text{hash} = 1427098c29\#10, R_{\infty}^{\text{fit}} = (527 \pm 0.7\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 2.89 \pm 0.020$$



$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.02$, $\sigma_\beta = 0.0$, 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_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

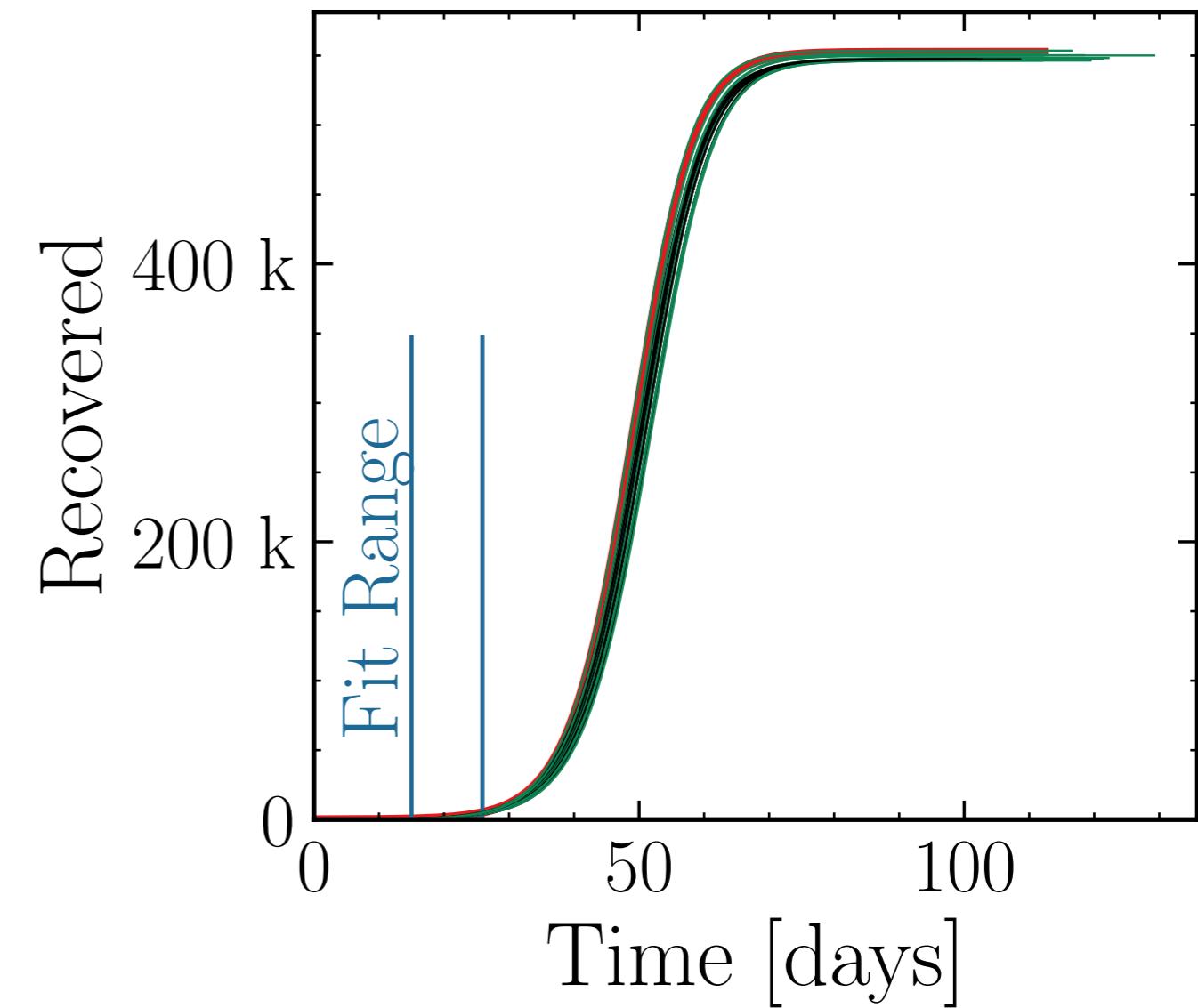
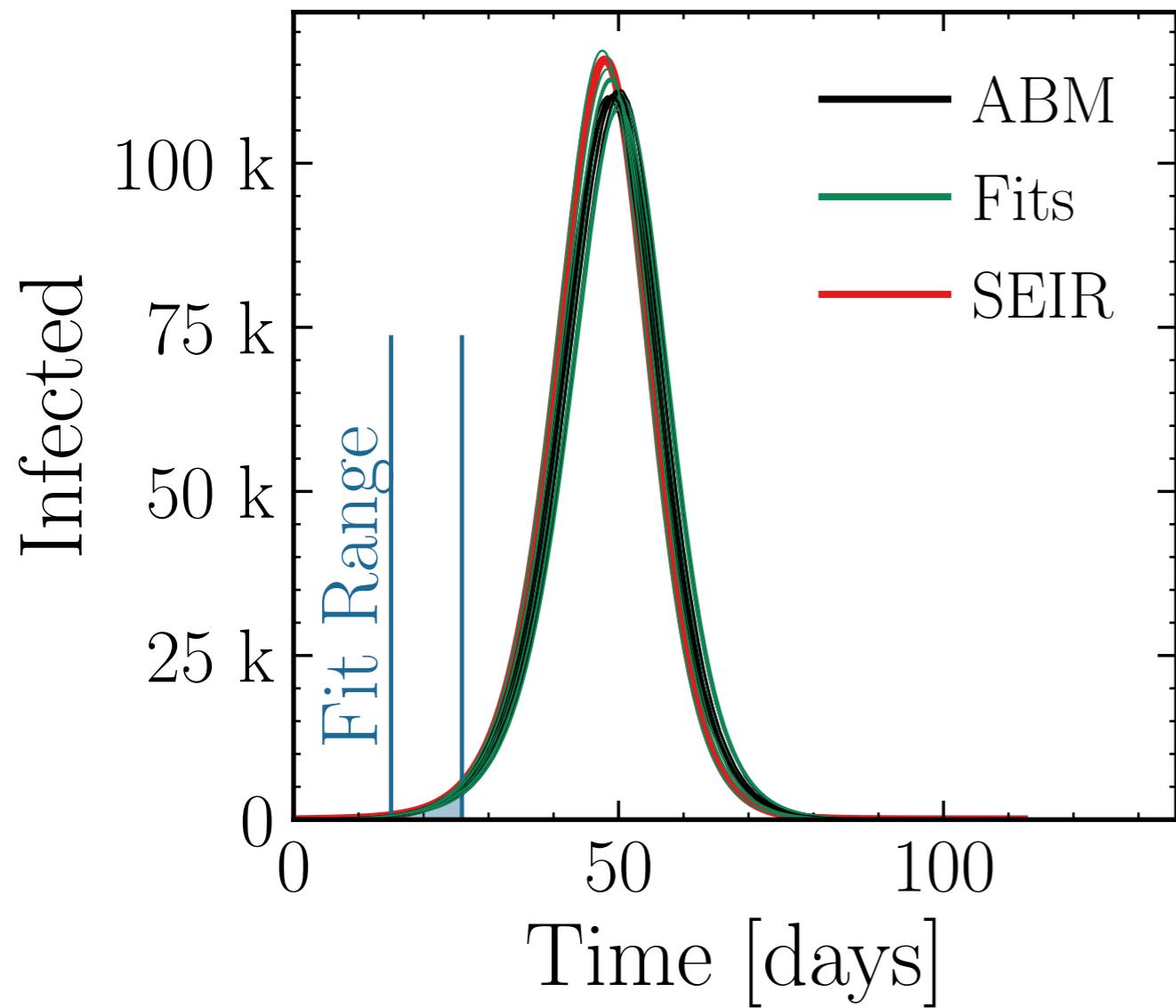
$$I_{\text{max}}^{\text{fit}} = (111.7 \pm 0.75\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1.011 \pm 0.0085$$

$$v. = 1.0, \text{hash} = 520980155a, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (549.2 \pm 0.13\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{fit}}} = 1.004 \pm 0.0013$$



$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.009$, $\sigma_\beta = 0.0$, 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_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

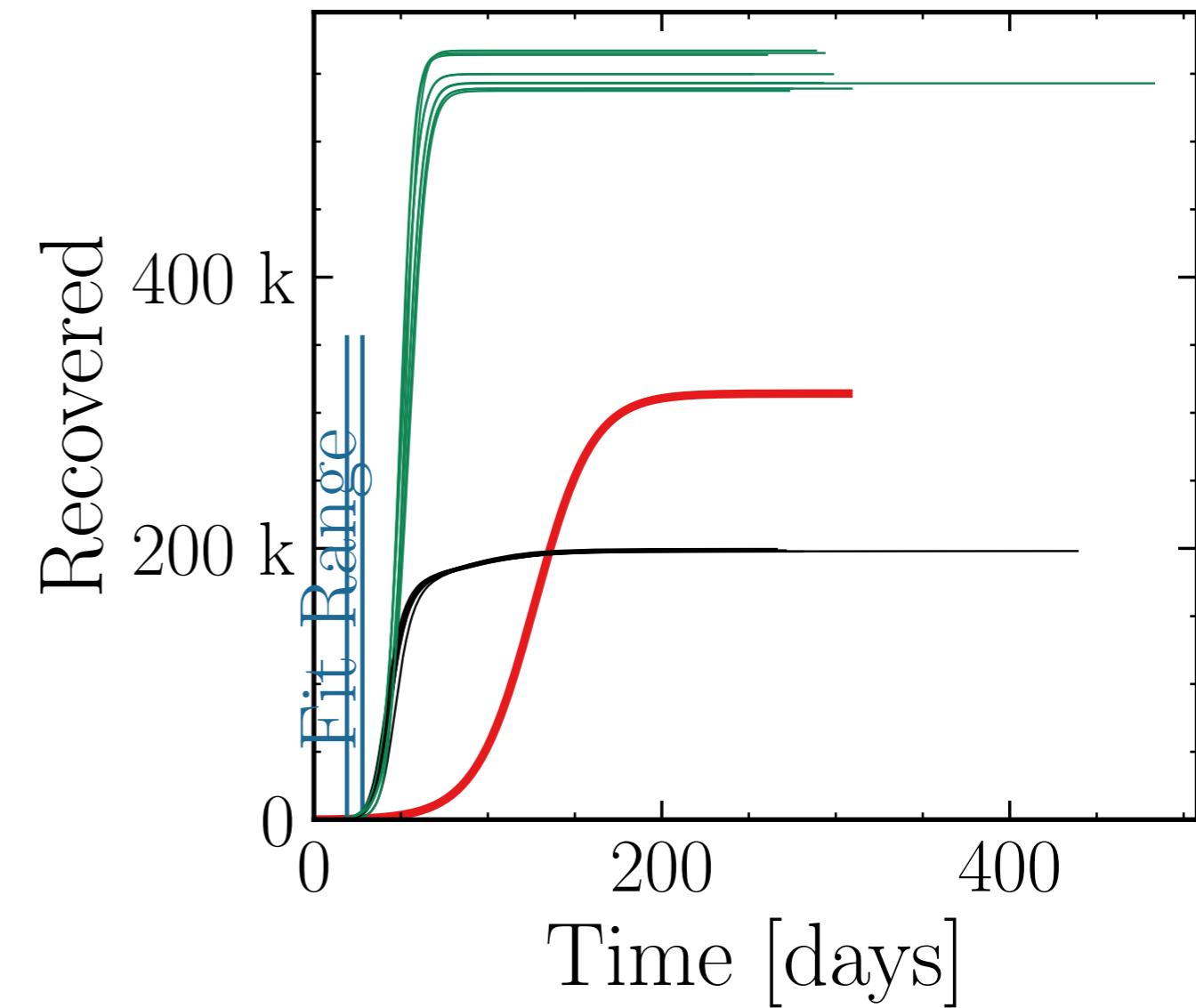
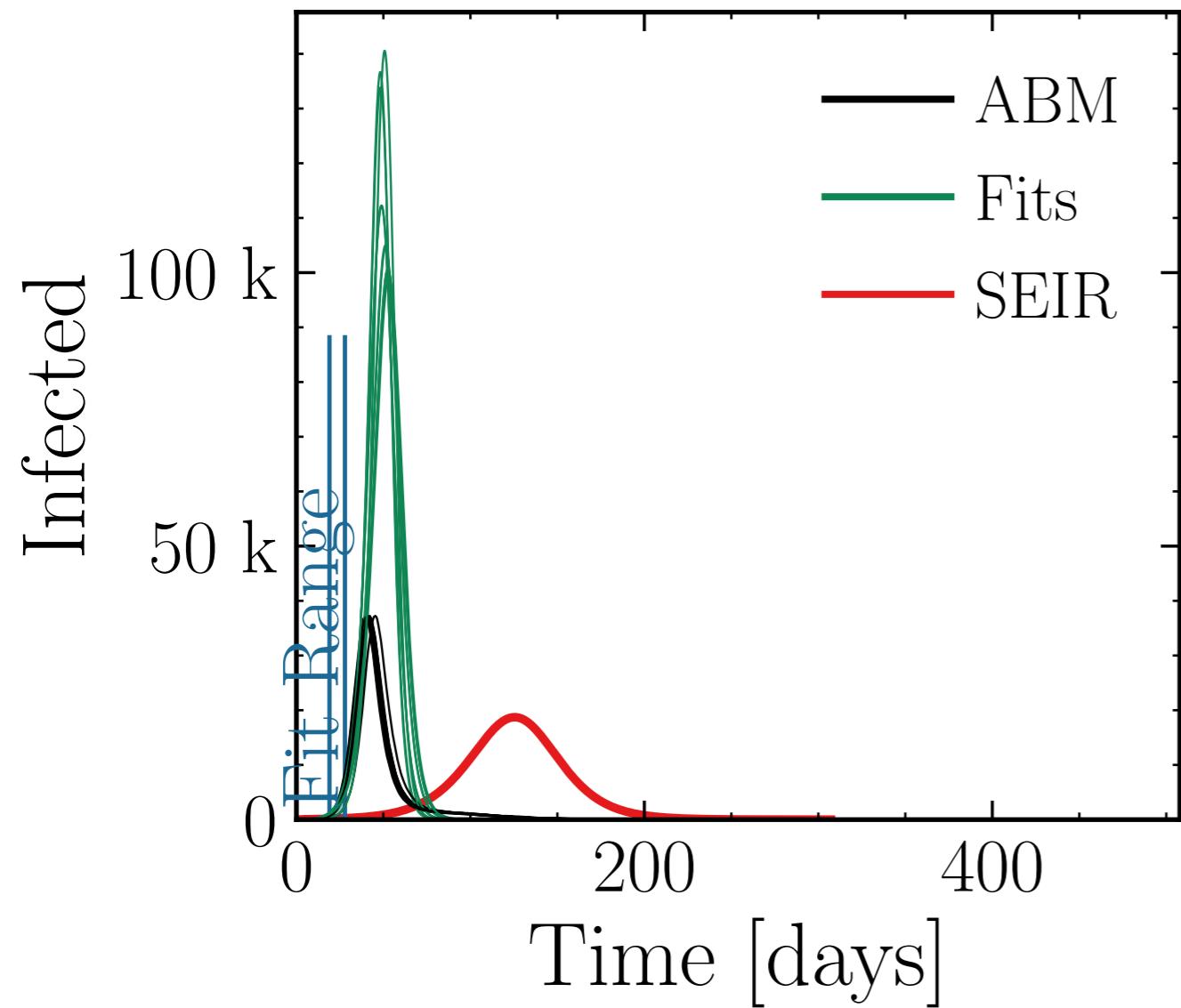
$$I_{\text{max}}^{\text{fit}} = (115 \pm 4.2\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 3.1 \pm 0.13$$

$$\text{v.} = 1.0, \text{hash} = 2b15df29a1, \#10$$

$$R_{\infty}^{\text{fit}} = (550 \pm 0.63\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 2.77 \pm 0.018$$



$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.02$, $\sigma_\beta = 0.0$, 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_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

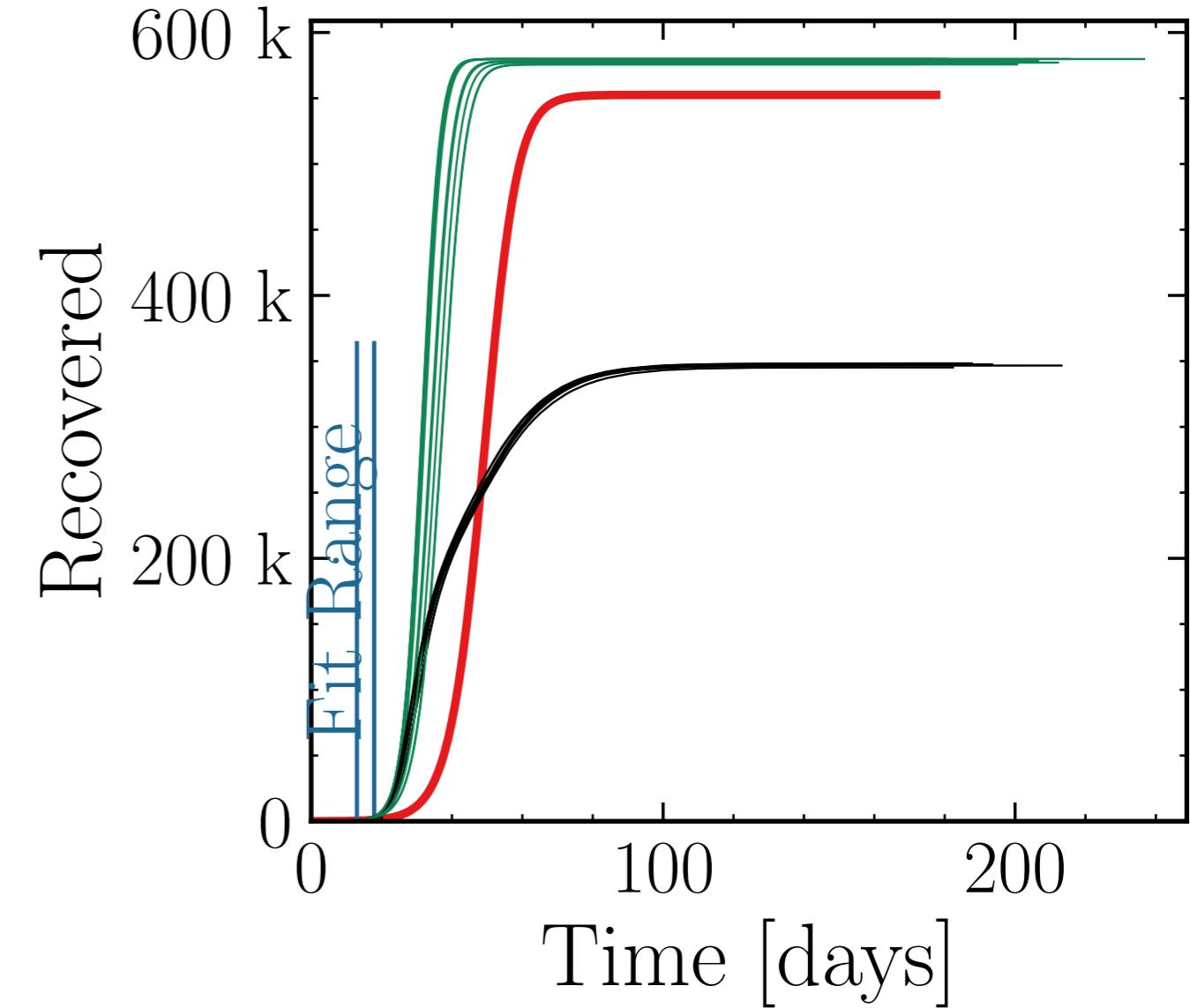
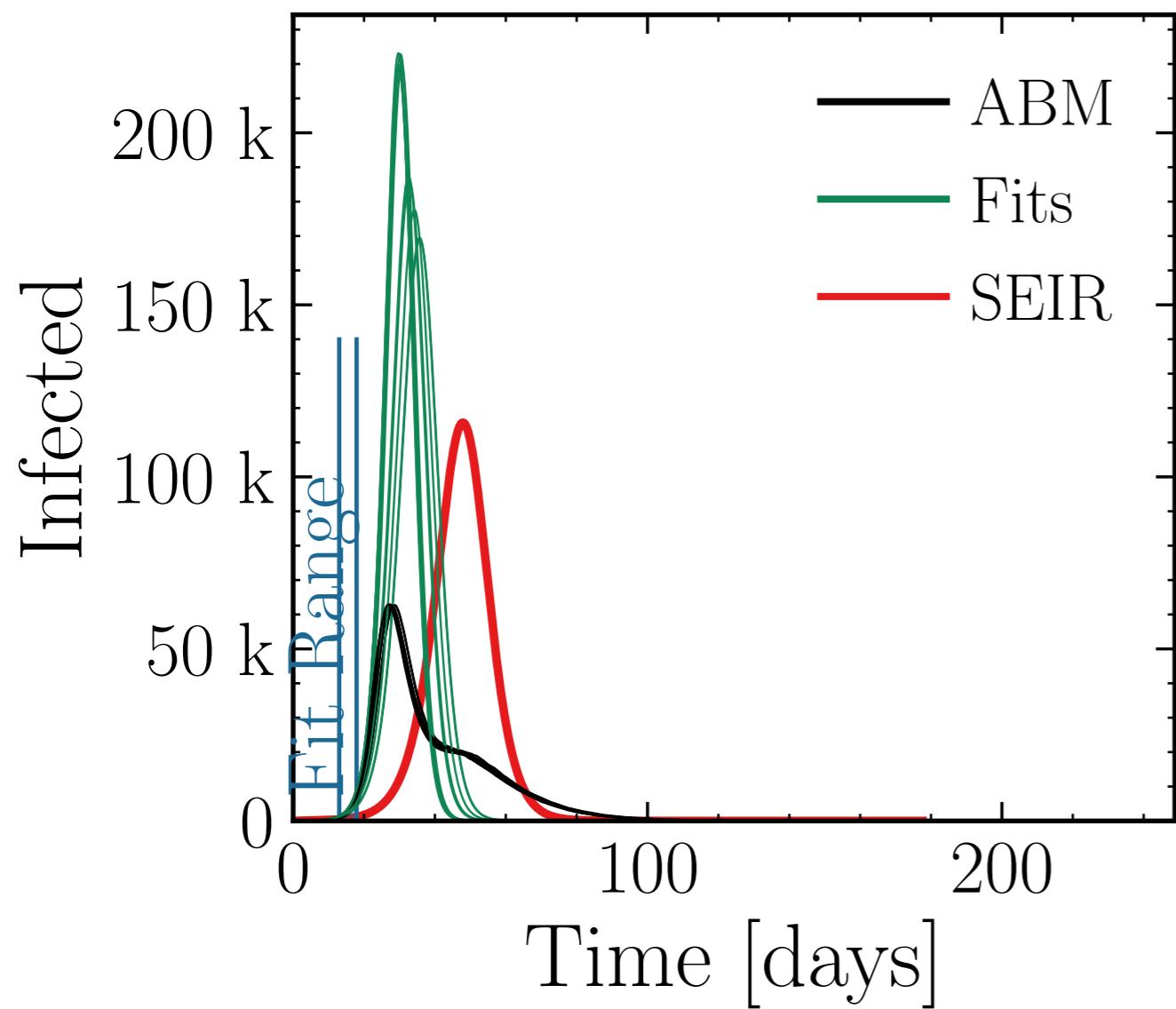
$$I_{\text{max}}^{\text{fit}} = (199 \pm 3.5\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 3.2 \pm 0.11$$

$$\text{v.} = 1.0, \text{hash} = 35a72102bd, \#10$$

$$R_{\infty}^{\text{fit}} = (578.4 \pm 0.089\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.665 \pm 0.0016$$



$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.03$, $\sigma_\beta = 0.0$, 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_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

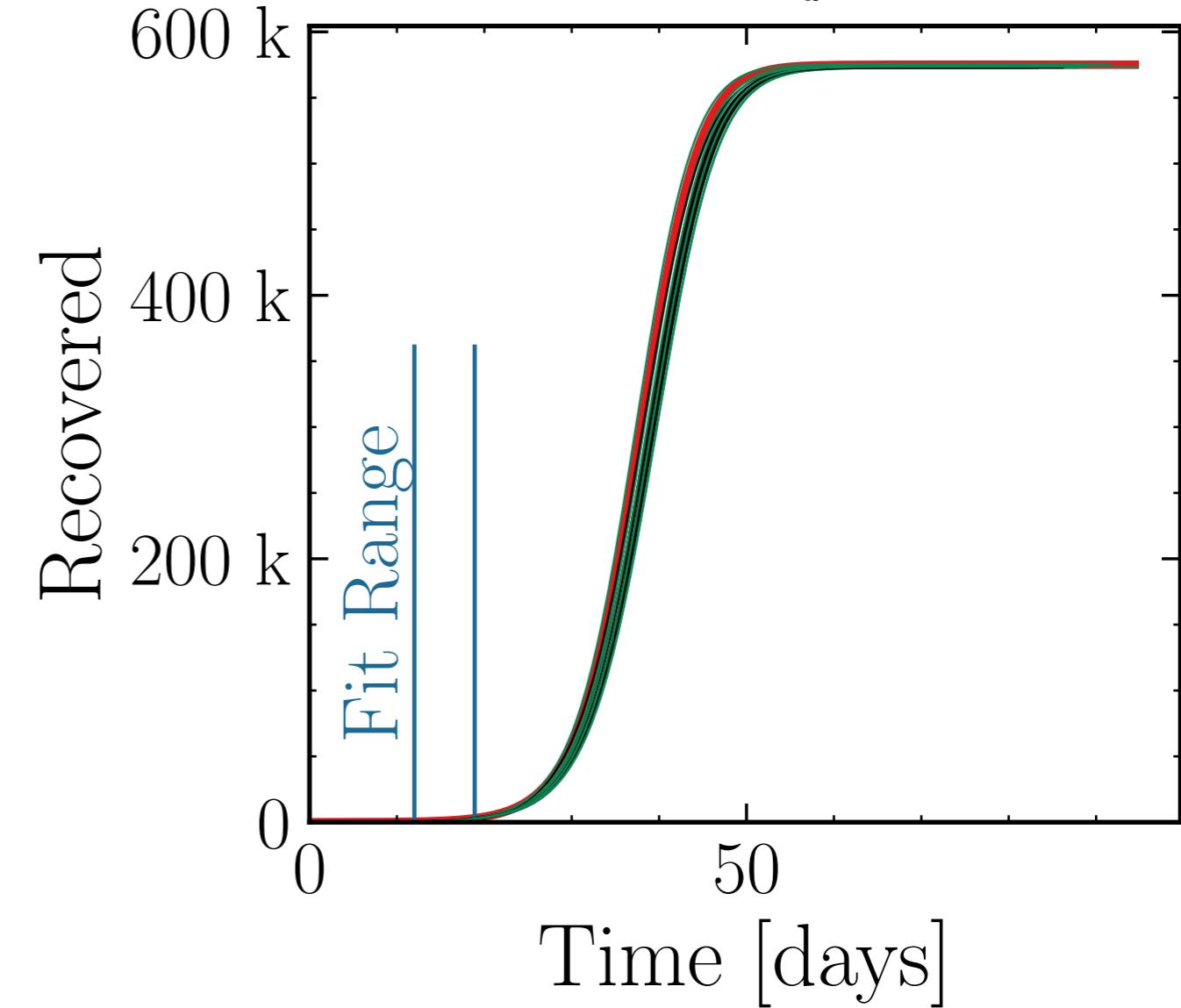
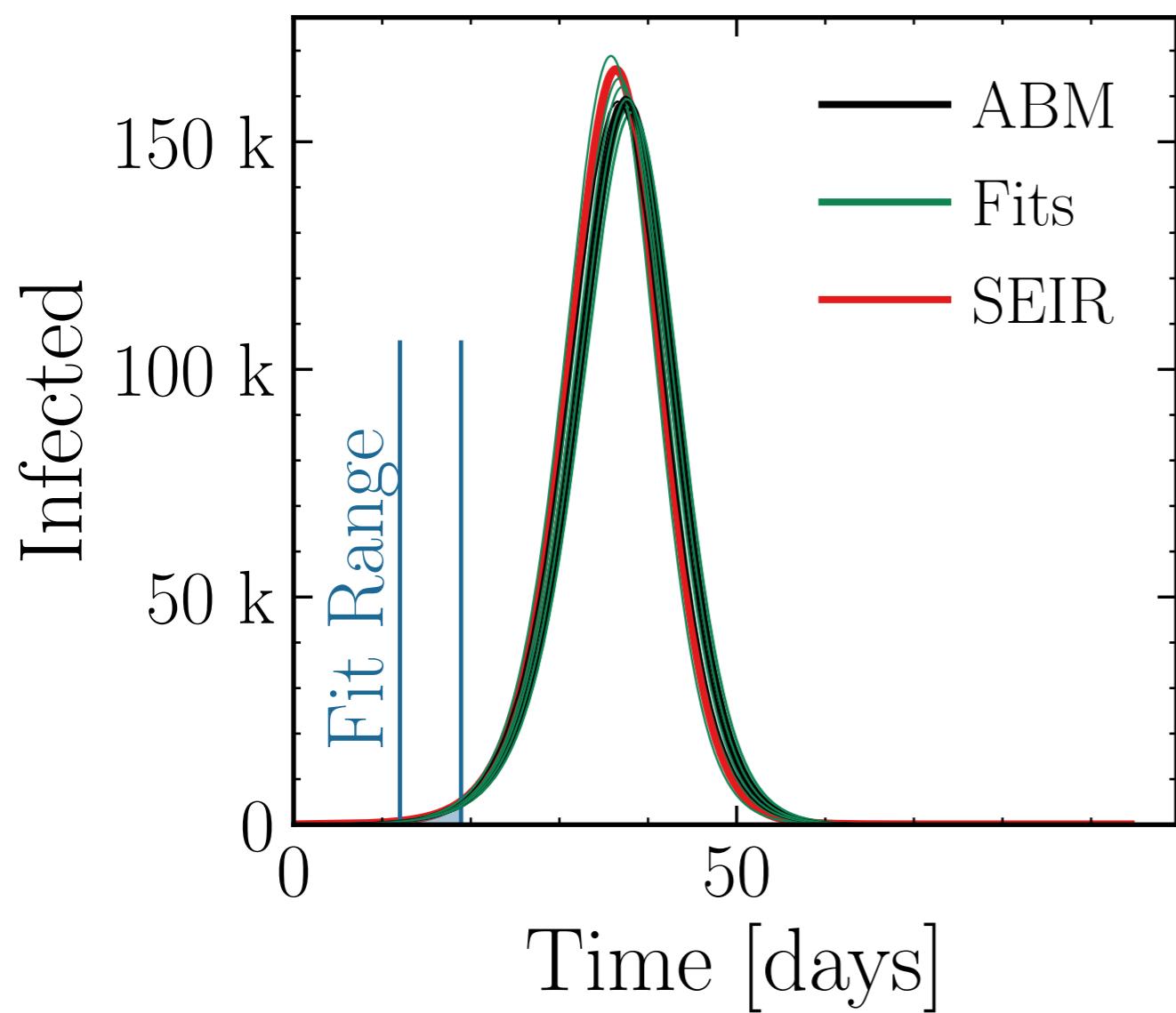
$$I_{\text{max}}^{\text{fit}} = (160 \pm 0.72\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1.006 \pm 0.0076$$

$$v. = 1.0, \text{hash} = 099e9b65ee, \#10$$

$$R_{\infty}^{\text{fit}} = (573.7 \pm 0.048\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{fit}}} = 1.0012 \pm 0.00051$$



$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.03$, $\sigma_\beta = 0.0$, 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_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β scaling} = 10.0, event_{weekendmultiplier} = 1.0

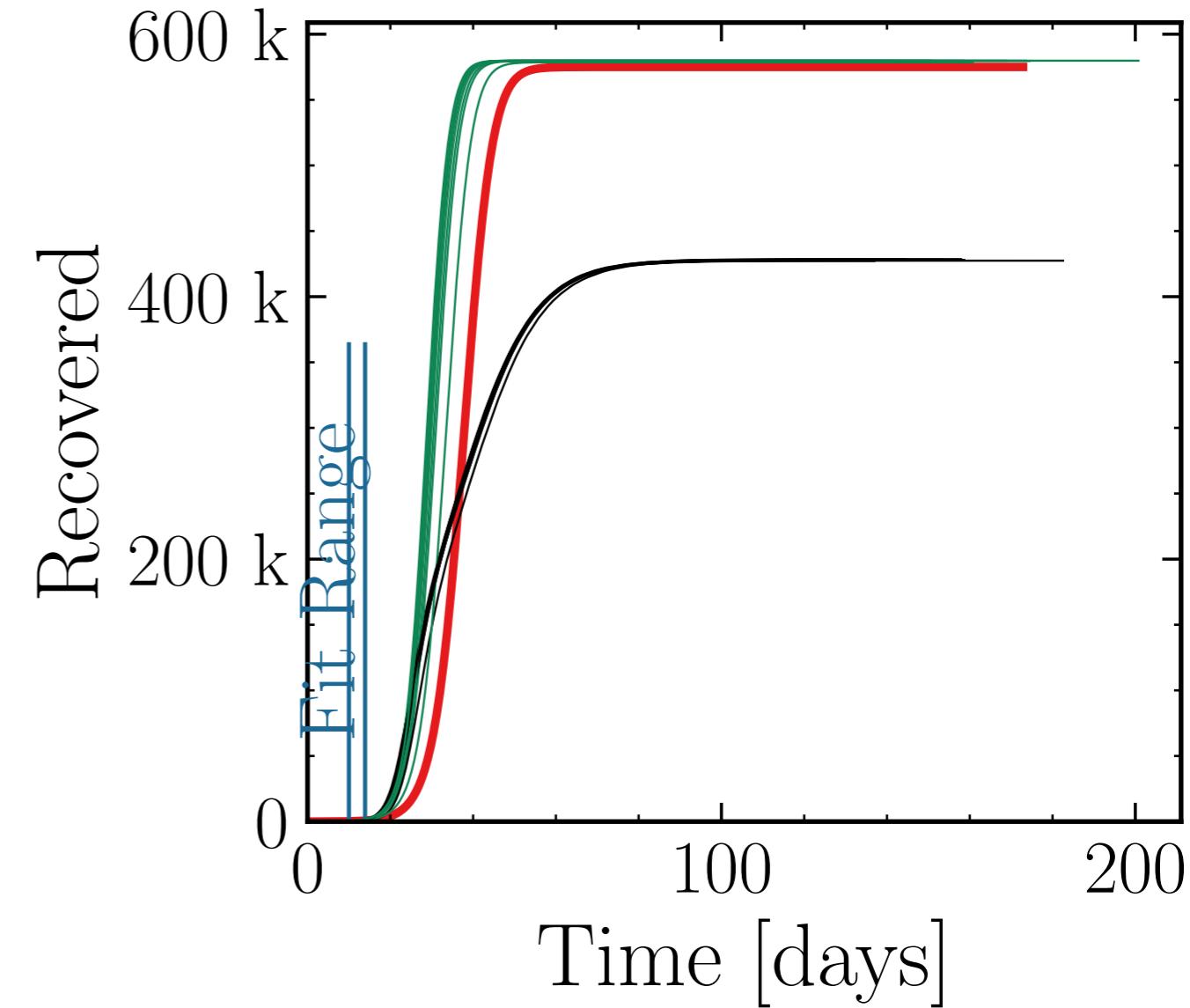
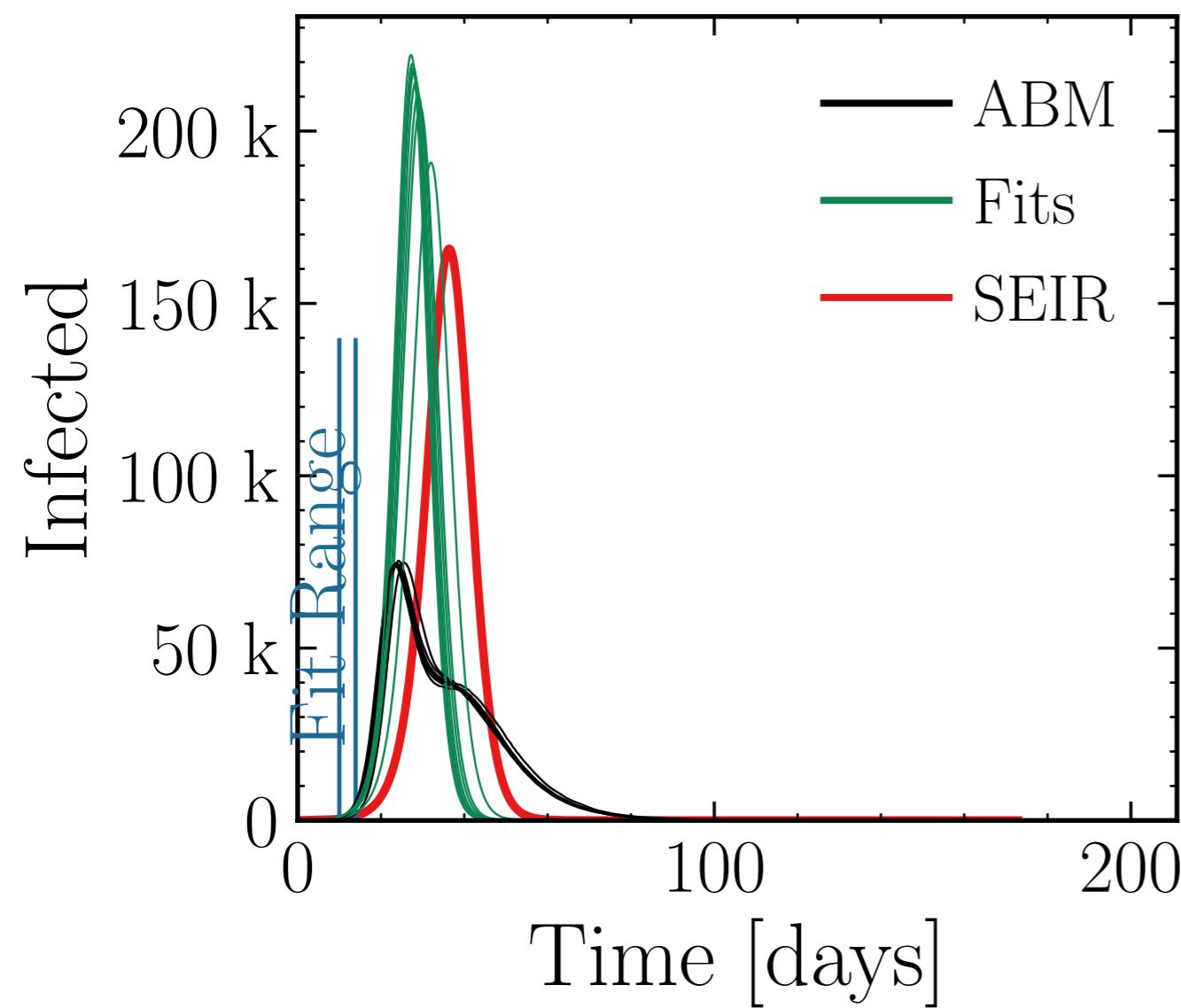
$$I_{\text{max}}^{\text{fit}} = (213 \pm 1.4\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 2.86 \pm 0.043$$

$$\text{v.} = 1.0, \text{hash} = \text{b02888749a}, \#9$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (579.6 \pm 0.022\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.3543 \pm 0.00055$$



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

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

$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

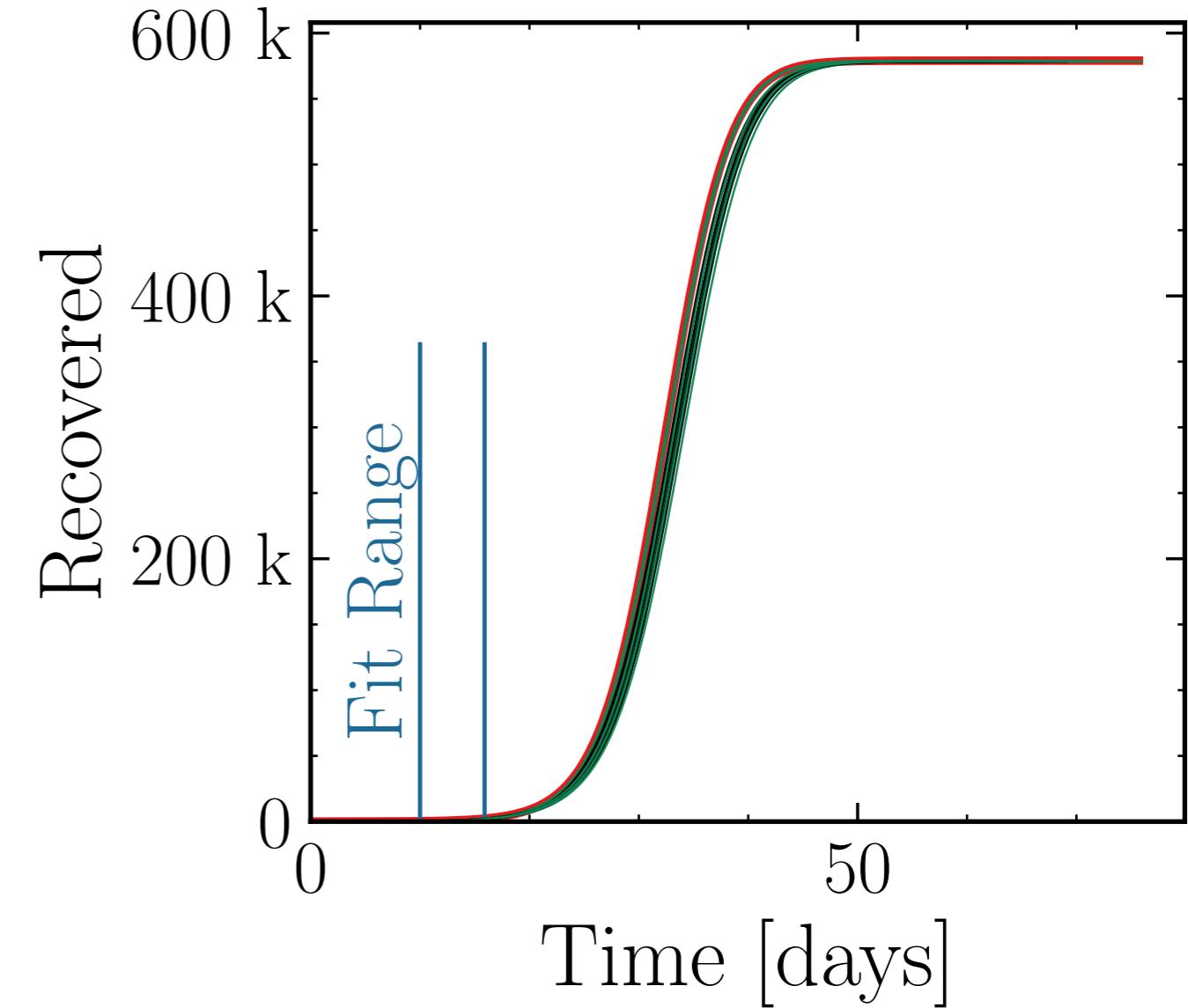
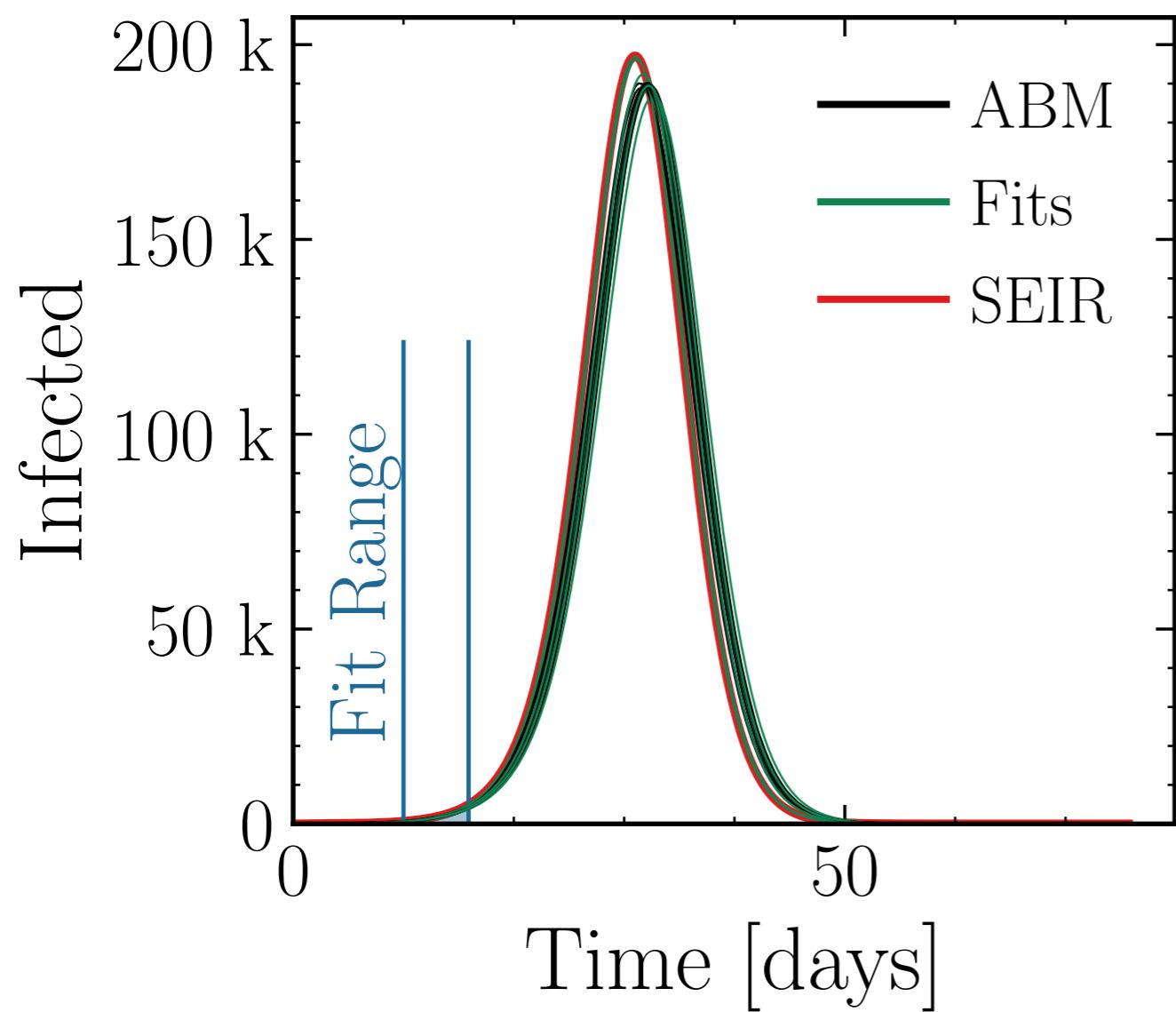
$$I_{\text{max}}^{\text{fit}} = (191 \pm 0.51\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1.007 \pm 0.0053$$

$$\text{v.} = 1.0, \text{hash} = 8a5eebe427, \#10$$

$$R_{\infty}^{\text{fit}} = (578.58 \pm 0.013\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.0006 \pm 0.00012$$



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

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

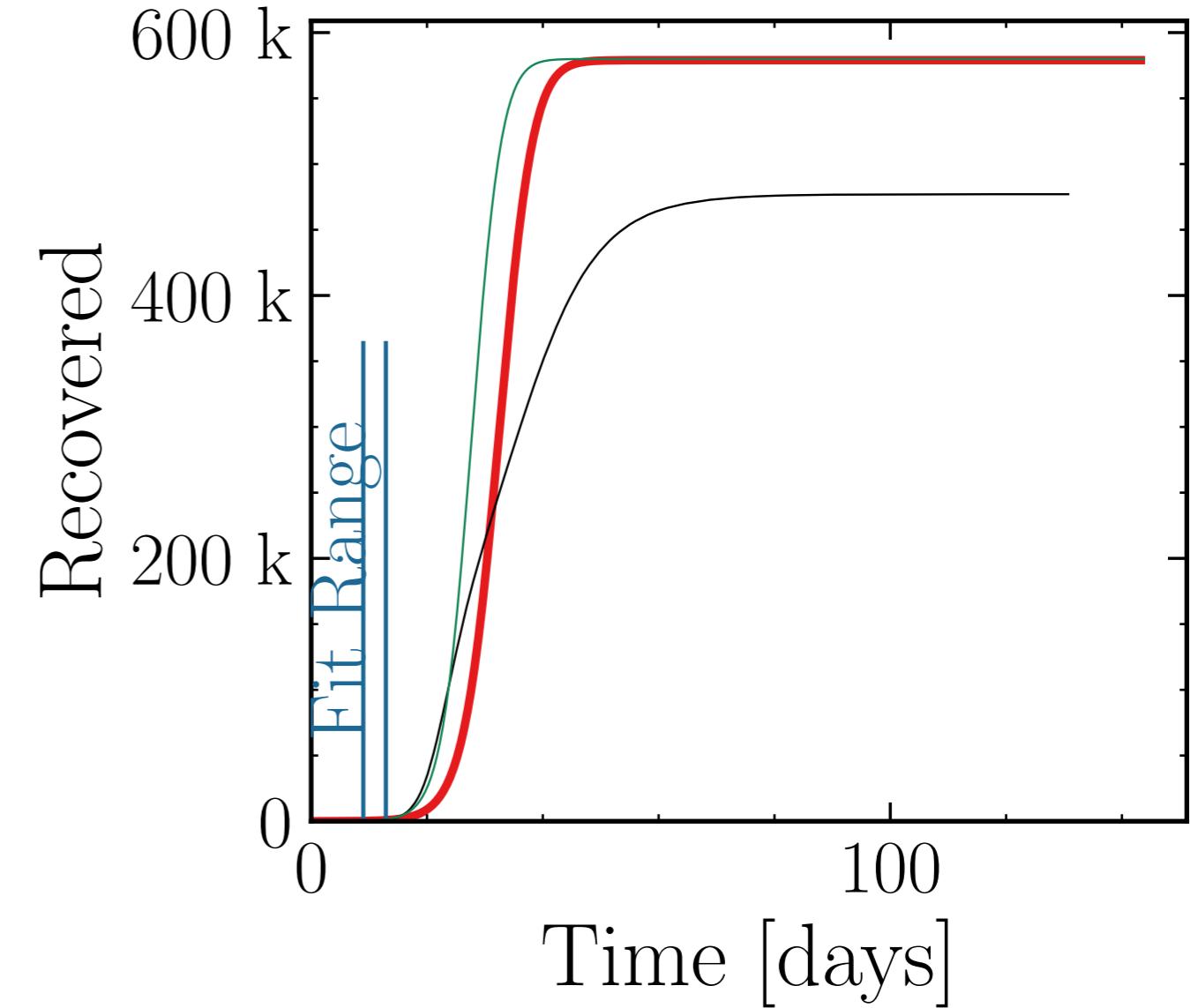
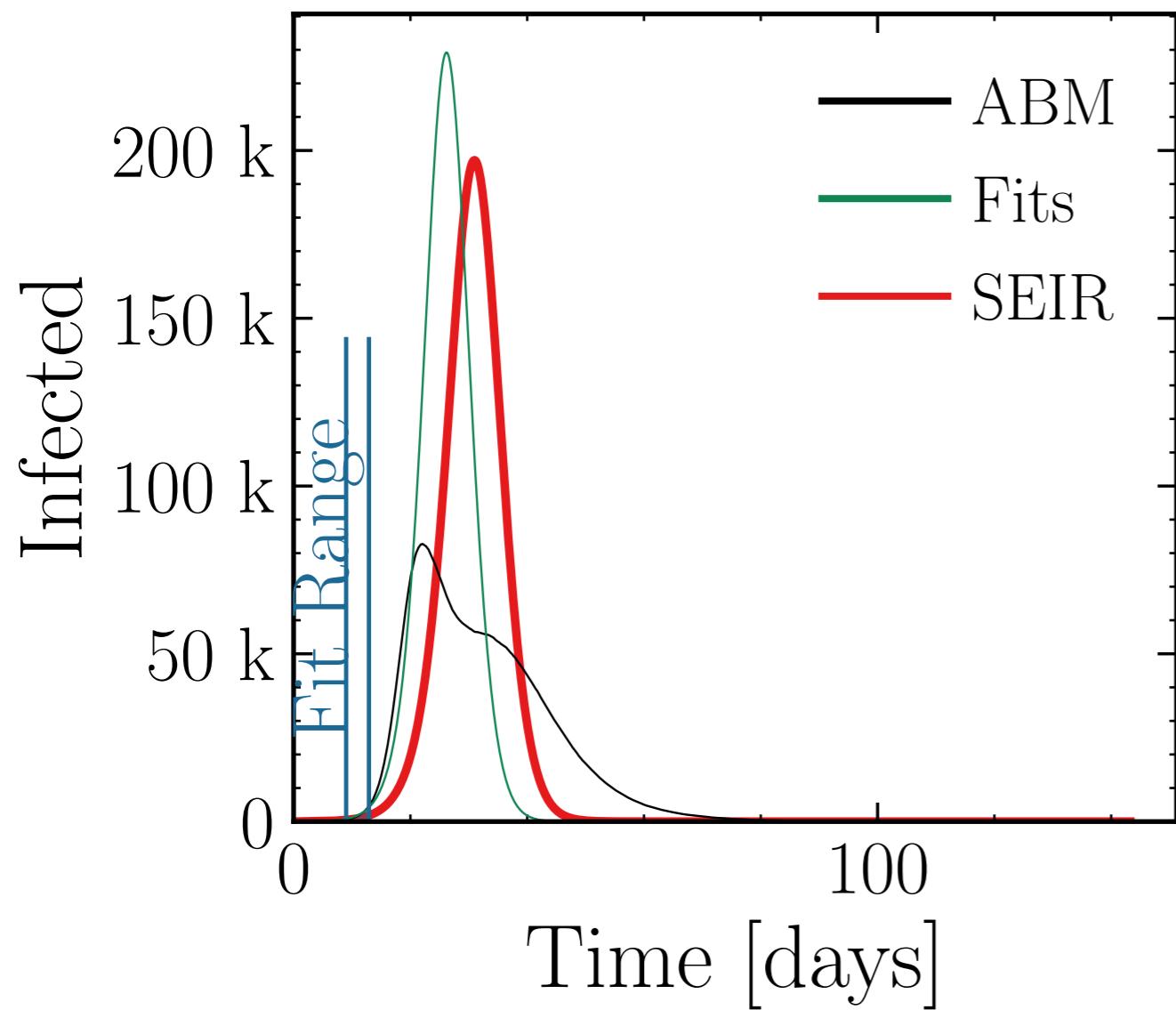
$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

$$I_{\text{max}}^{\text{fit}} = (229.241 \pm 0.0\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 3 \pm 0.0$$

$$\text{v.} = 1.0, \text{hash} = \text{f1fcecd099}\#1, R_{\infty}^{\text{fit}} = (579.935 \pm 0.00037\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{fit}}} = 1 \pm 0.0$$



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

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

$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

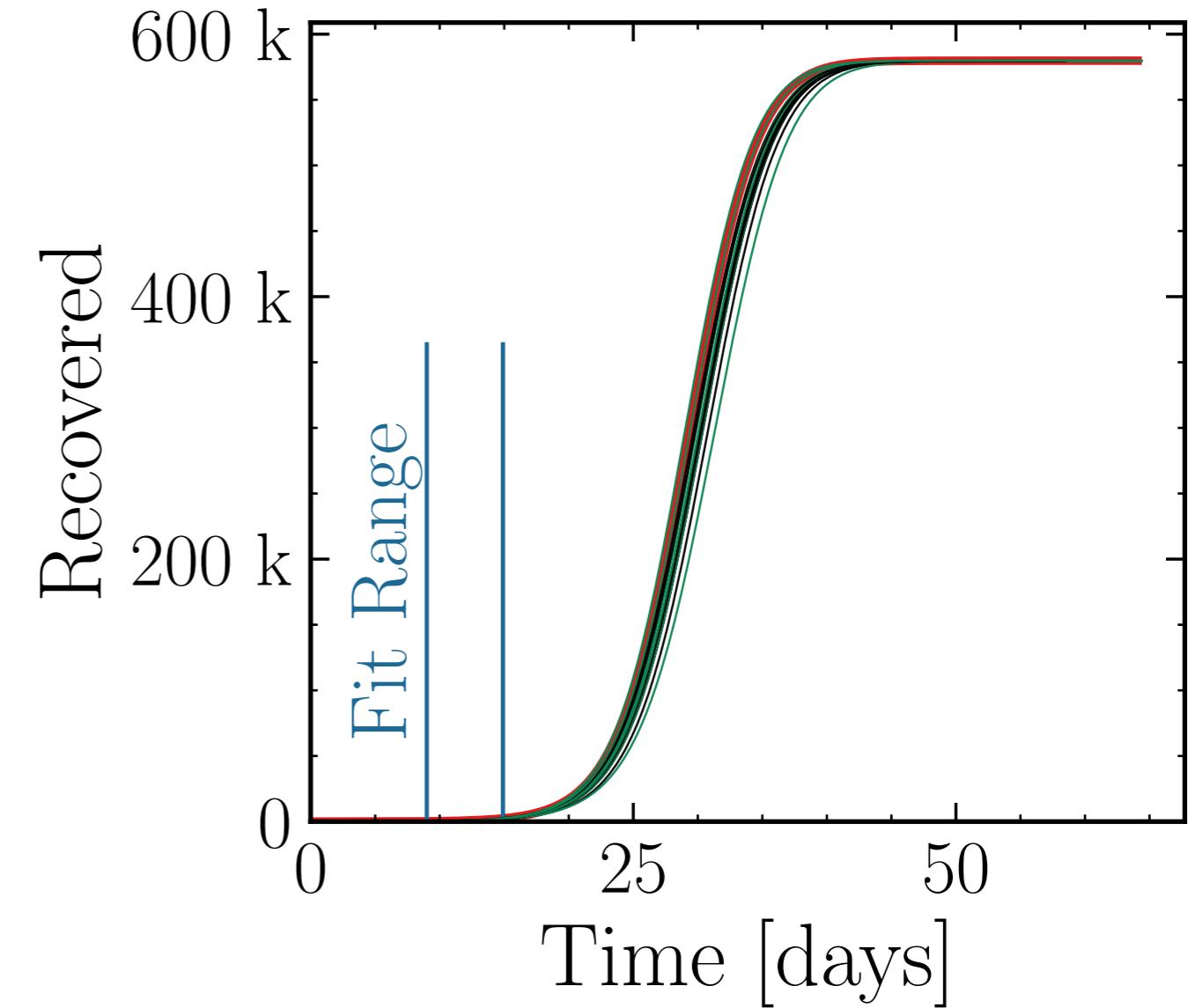
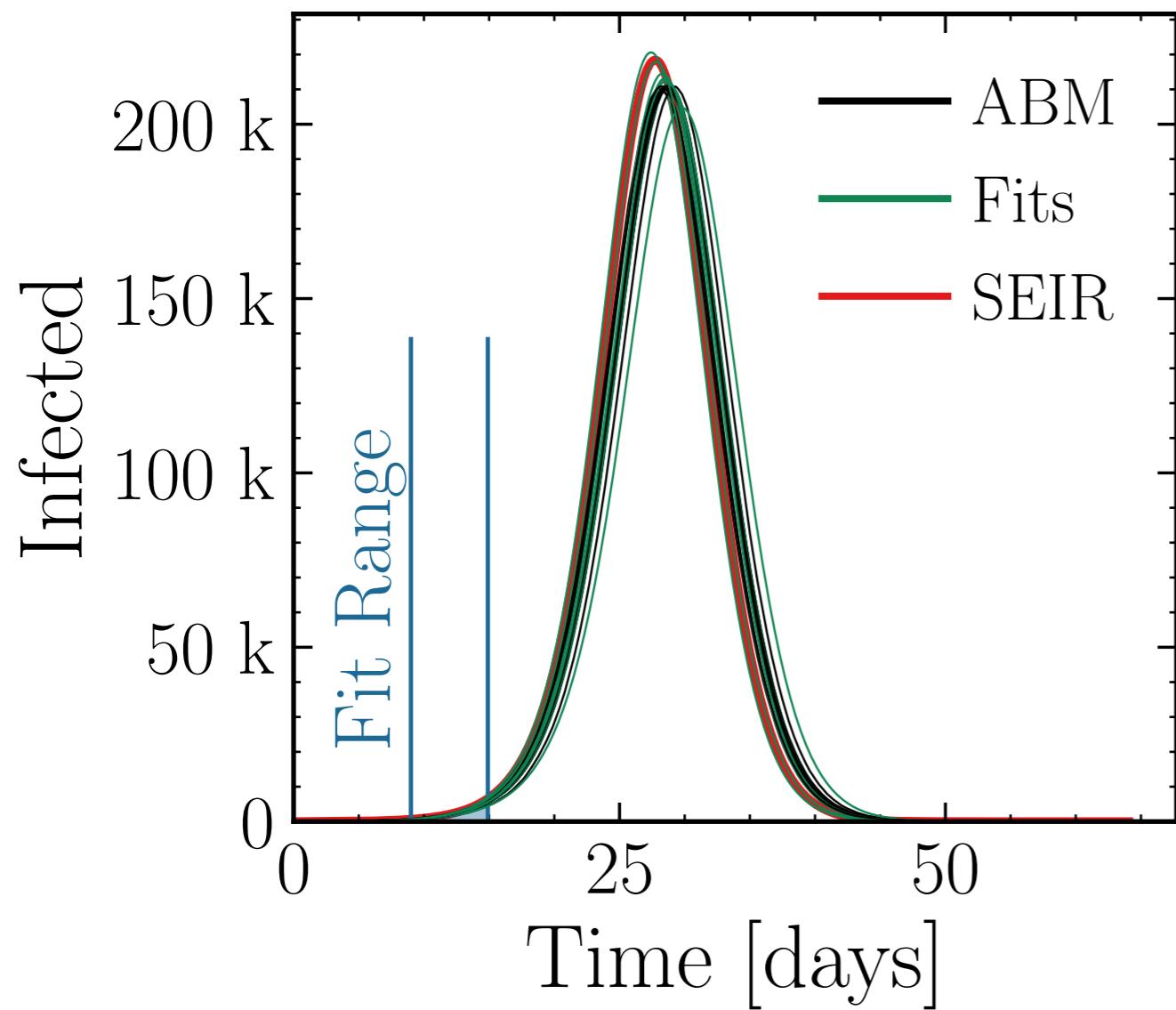
$$I_{\text{max}}^{\text{fit}} = (213 \pm 0.6\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1.011 \pm 0.0063$$

$$v. = 1.0, \text{hash} = 5b546fc0b5, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{fit}}} = (379.68 \pm 0.0058\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{fit}}} = 1.00029 \pm 0.000059$$



$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.05$, $\sigma_\beta = 0.0$, 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_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β scaling} = 10.0, event_{weekendmultiplier} = 1.0

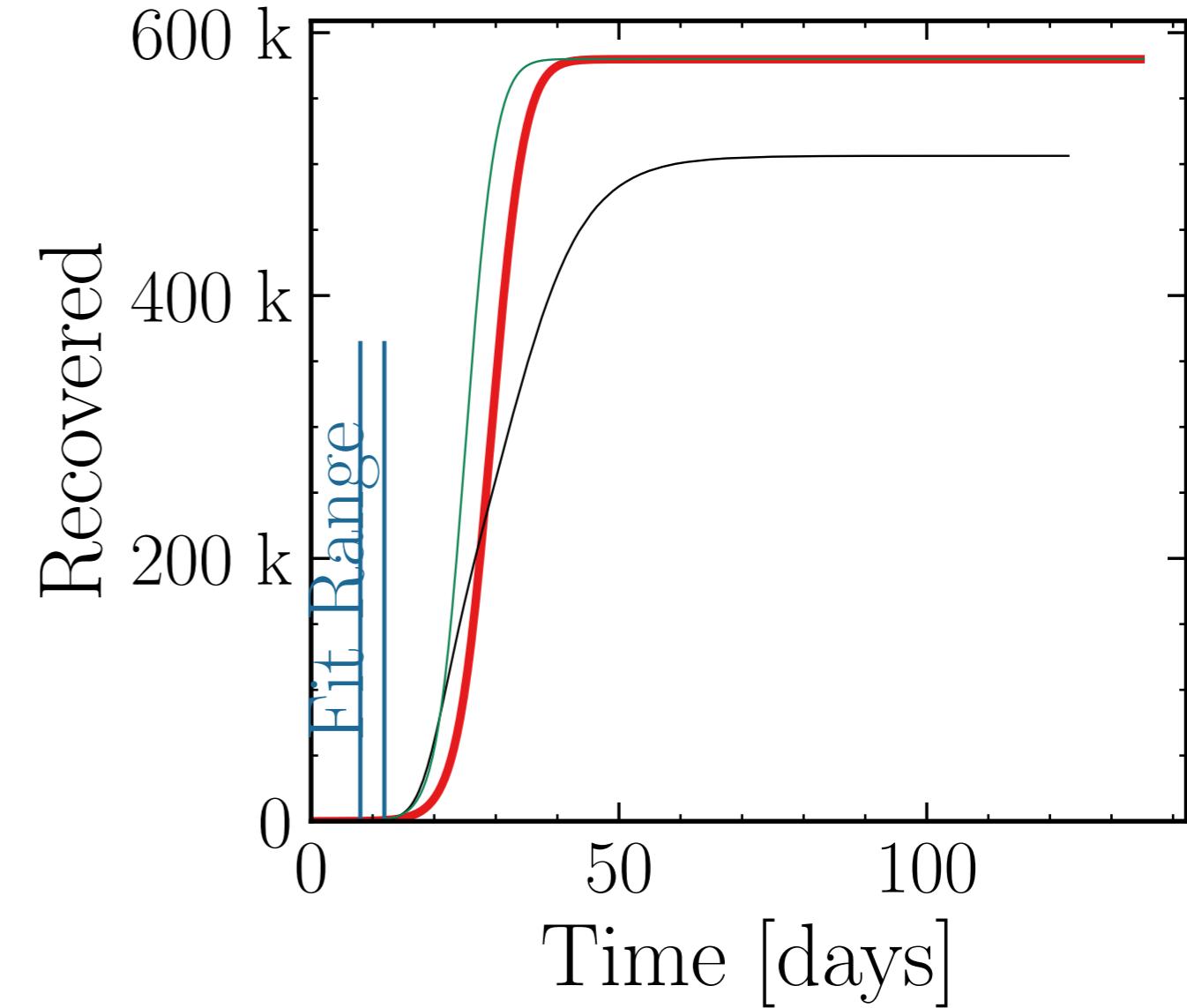
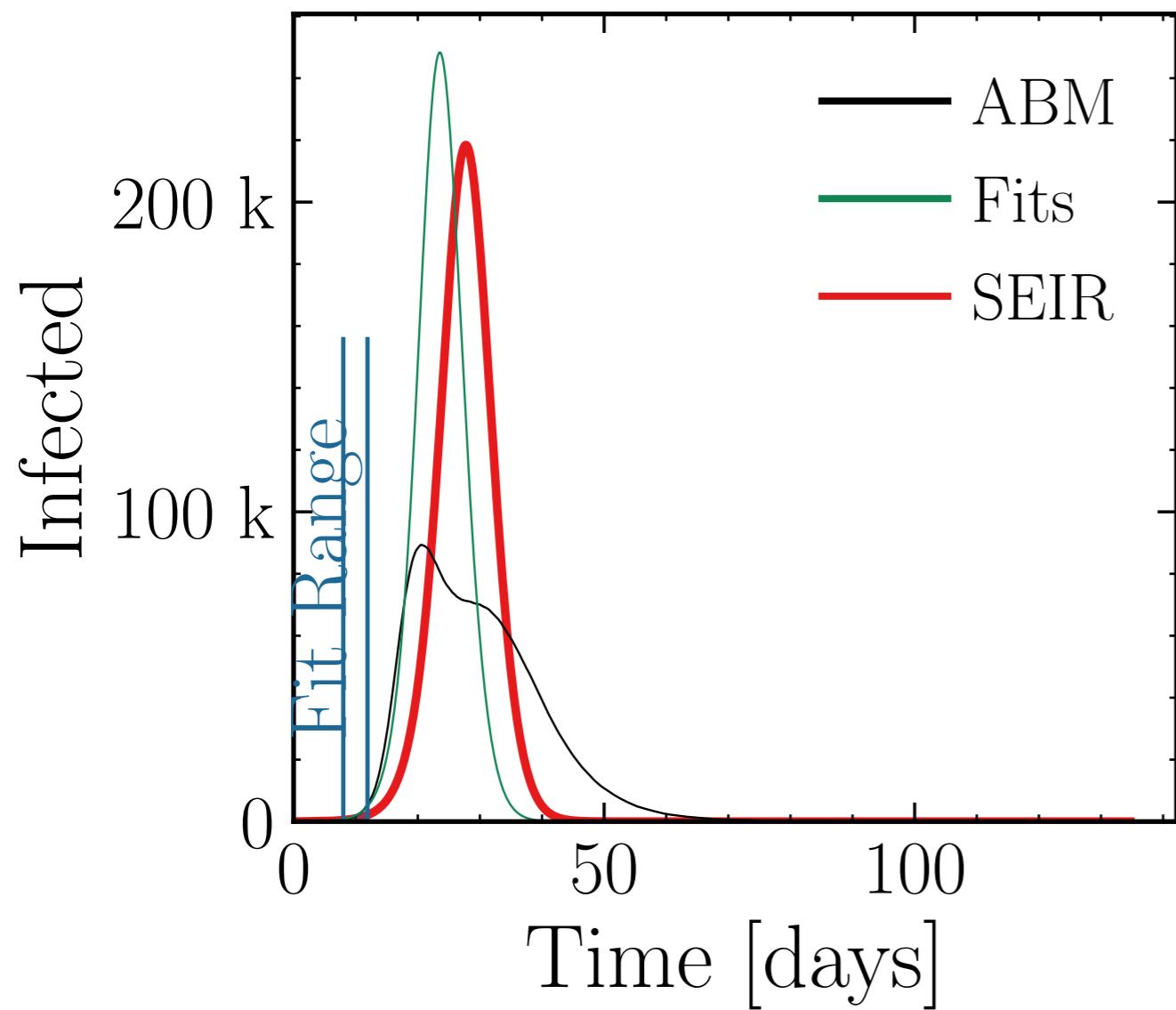
$$I_{\text{max}}^{\text{fit}} = (248.334 \pm 0.0\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 3 \pm 0.0$$

$$\text{v.} = 1.0, \text{hash} = 1bd0a820ae \#1$$

$$R_{\infty}^{\text{fit}} = (579.9951 \pm 4.2e-05\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1 \pm 0.0$$



$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.01$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, 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_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

$$I_{\text{max}}^{\text{fit}} = (144 \pm 4.1\%) \cdot 10^3$$

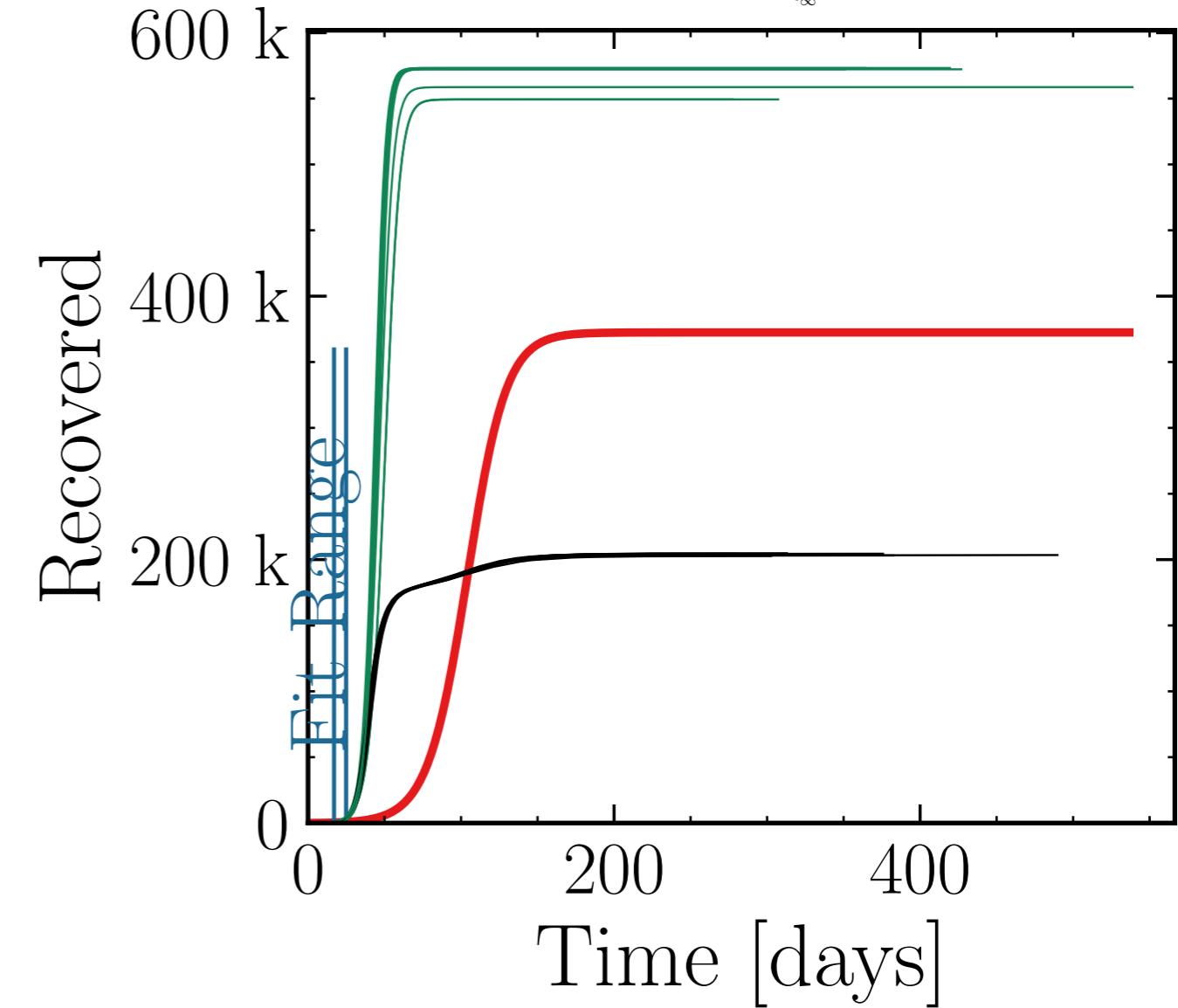
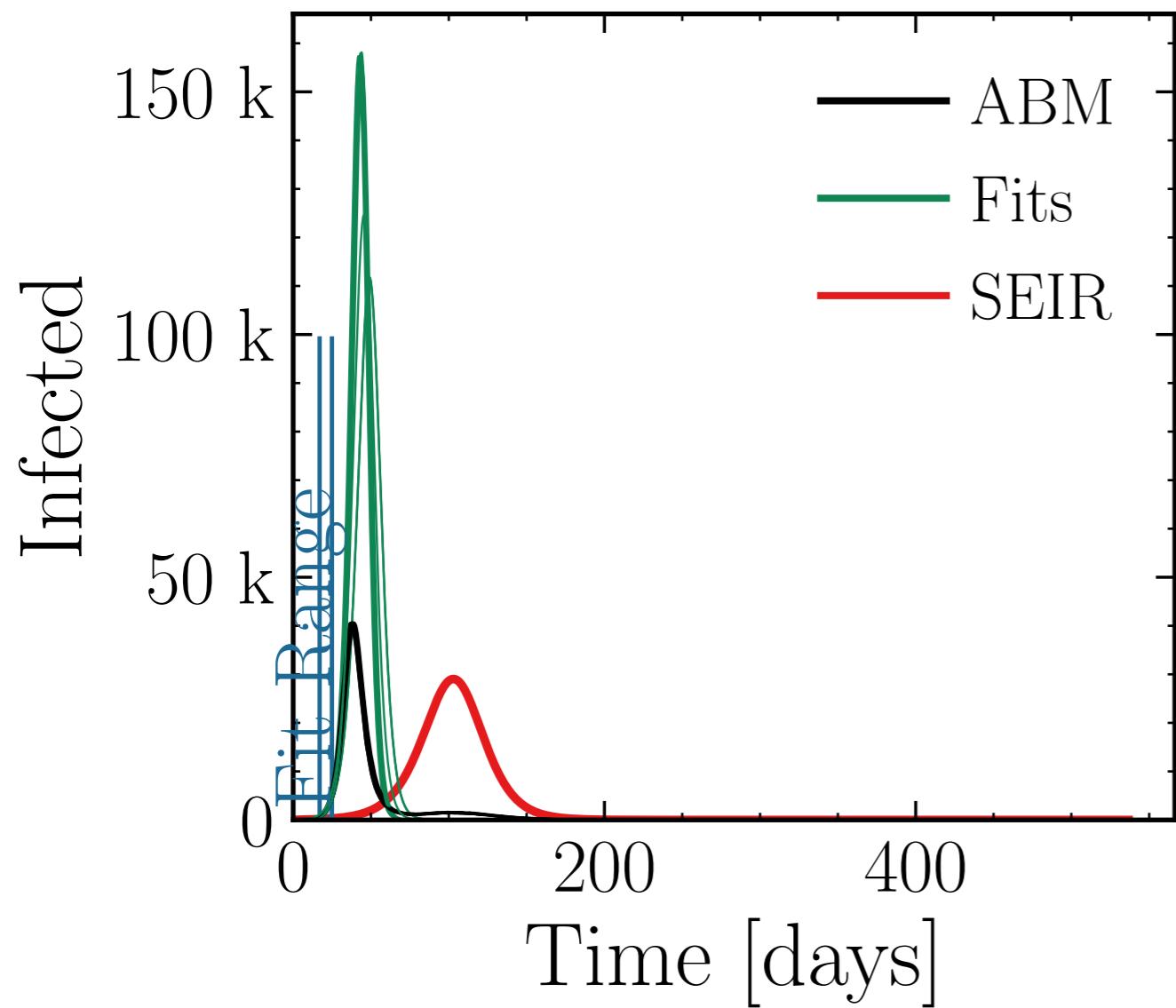
$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 3.6 \pm 0.15$$

$$v. = 1.0$$

$$\text{hash} = 990b48906c, \#10$$

$$R_{\infty}^{\text{fit}} = (567 \pm 0.54\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 2.78 \pm 0.016$$



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

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

$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

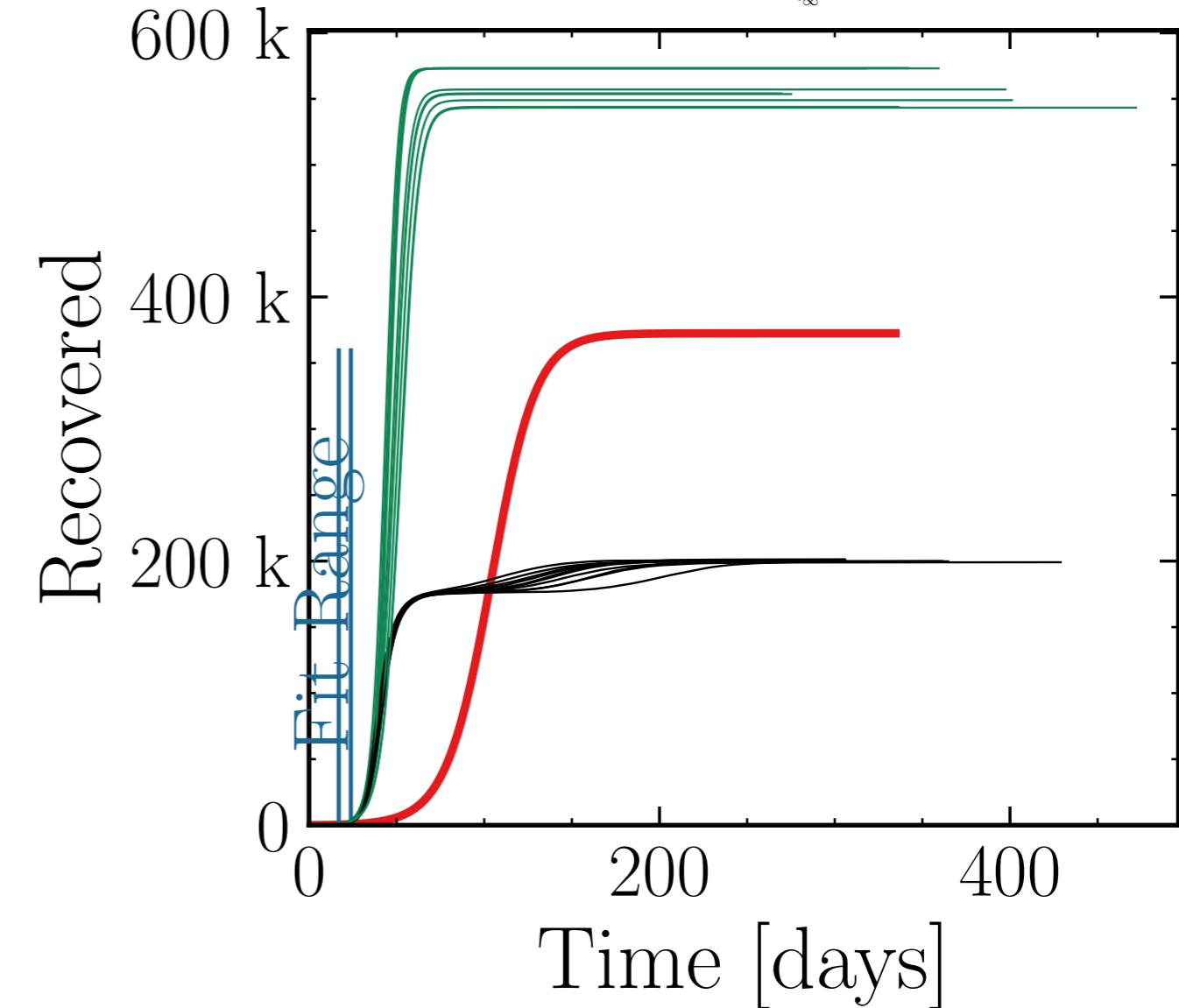
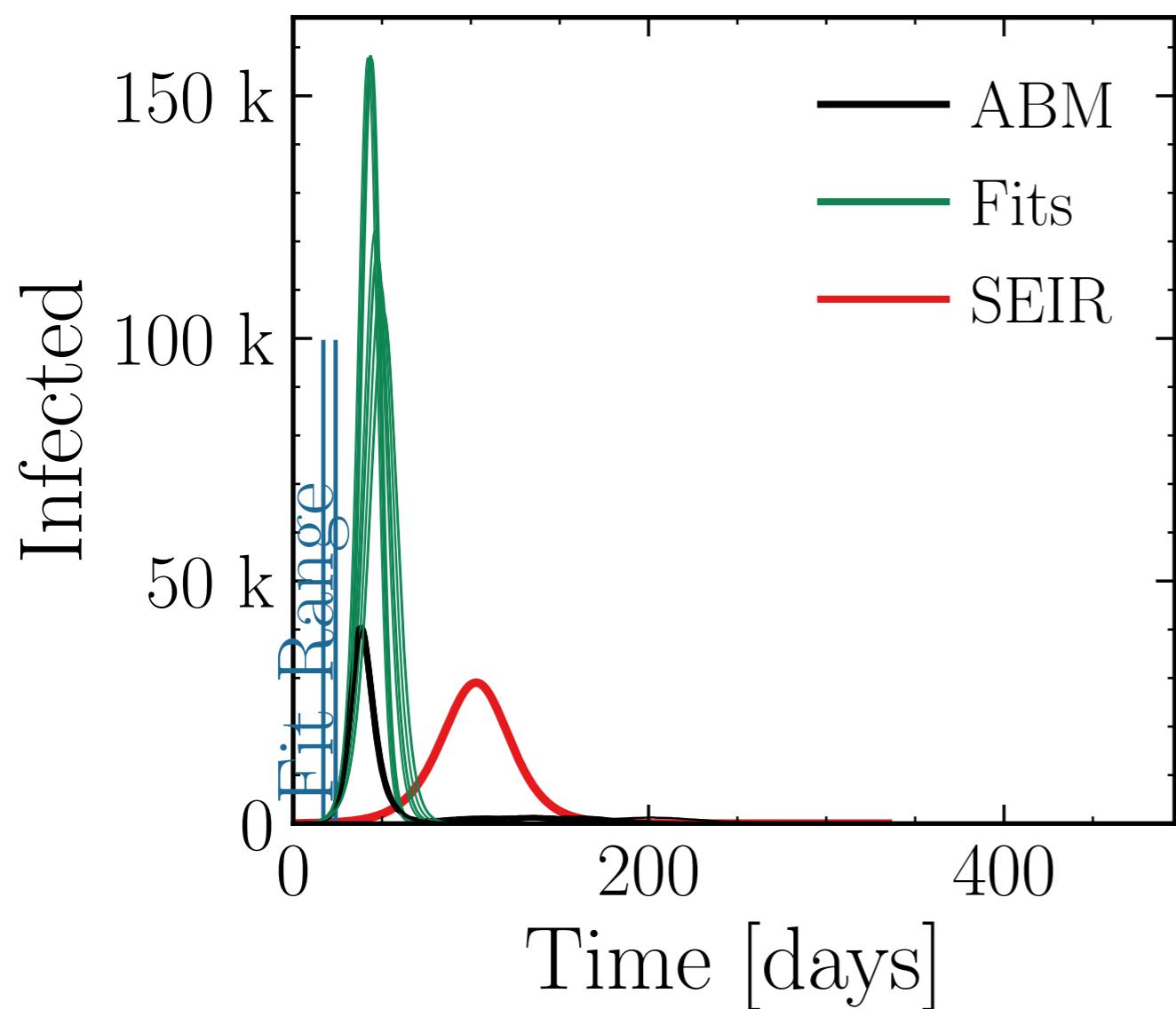
$$I_{\text{max}}^{\text{fit}} = (131 \pm 5.4\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 3.2 \pm 0.18$$

$$v. = 1.0, \text{hash} = 73bcfef3c8, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (559 \pm 0.67\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{fit}}} = 2.8 \pm 0.020$$



$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.005$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, 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_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

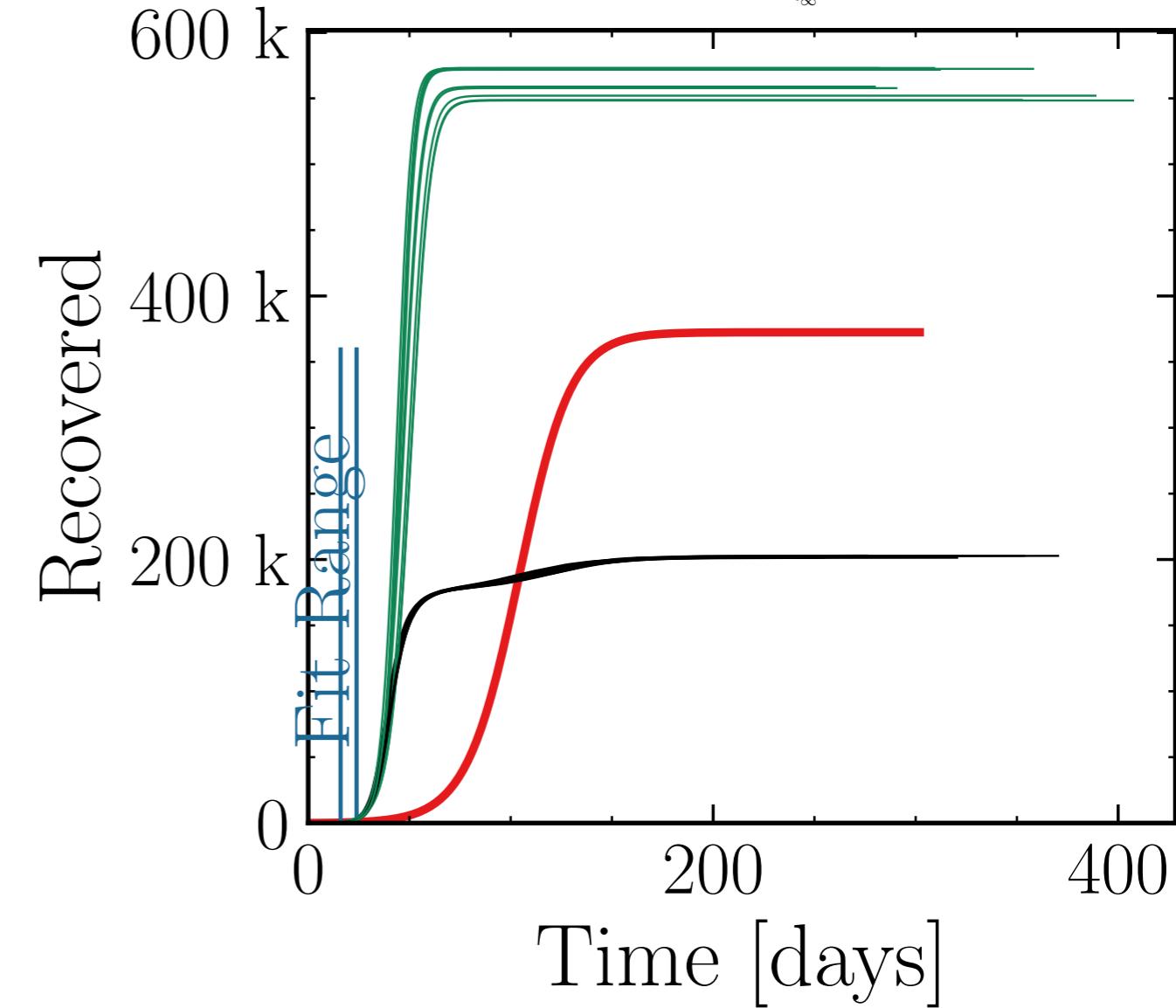
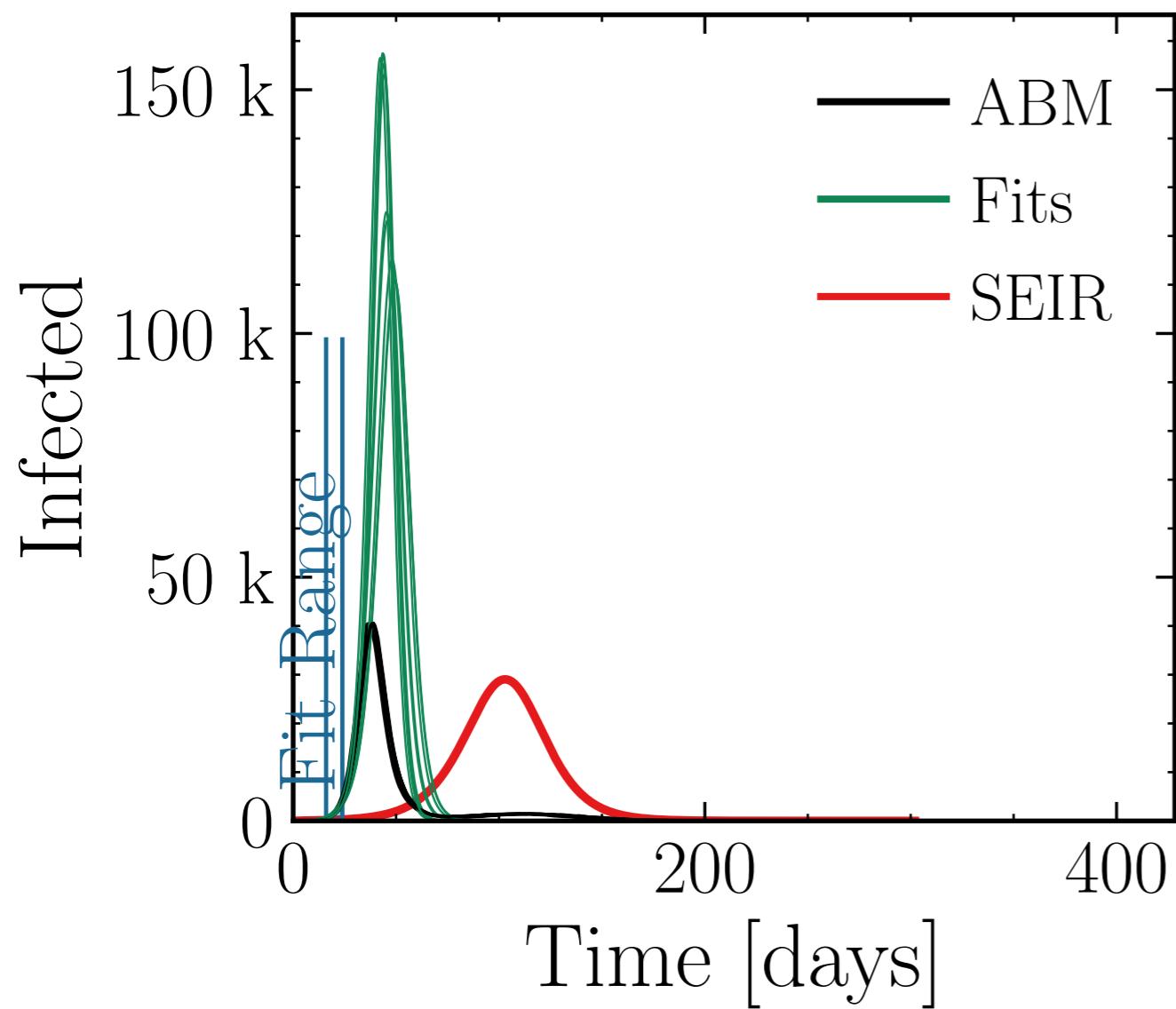
$$I_{\text{max}}^{\text{fit}} = (136 \pm 4.6\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 3.4 \pm 0.16$$

$$\text{v.} = 1.0, \text{hash} = \text{c9061afea0}, \#10$$

$$R_{\infty}^{\text{fit}} = (563 \pm 0.57\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 2.78 \pm 0.017$$



$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.02$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, 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_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

$$I_{\text{max}}^{\text{fit}} = (144 \pm 3.4\%) \cdot 10^3$$

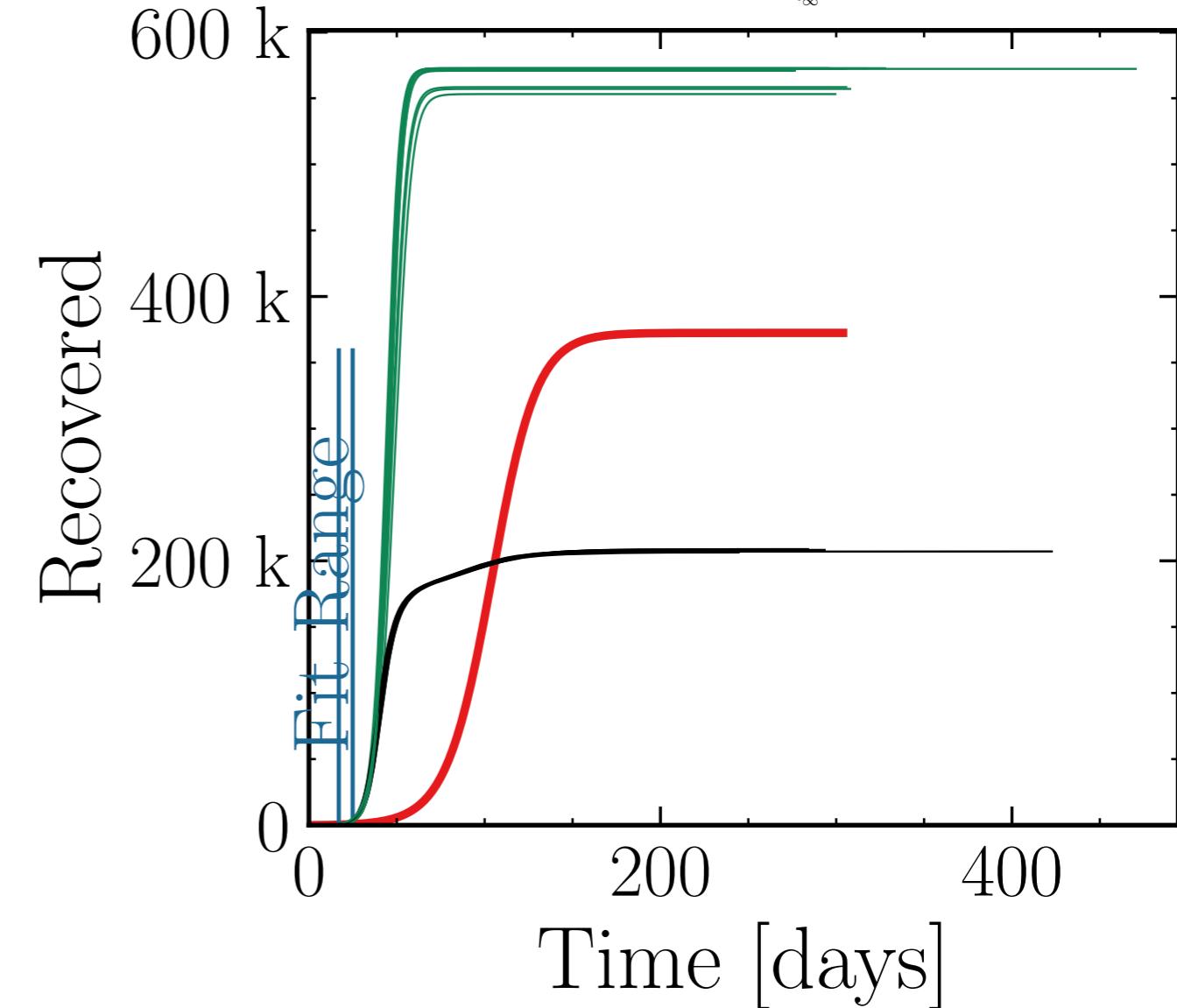
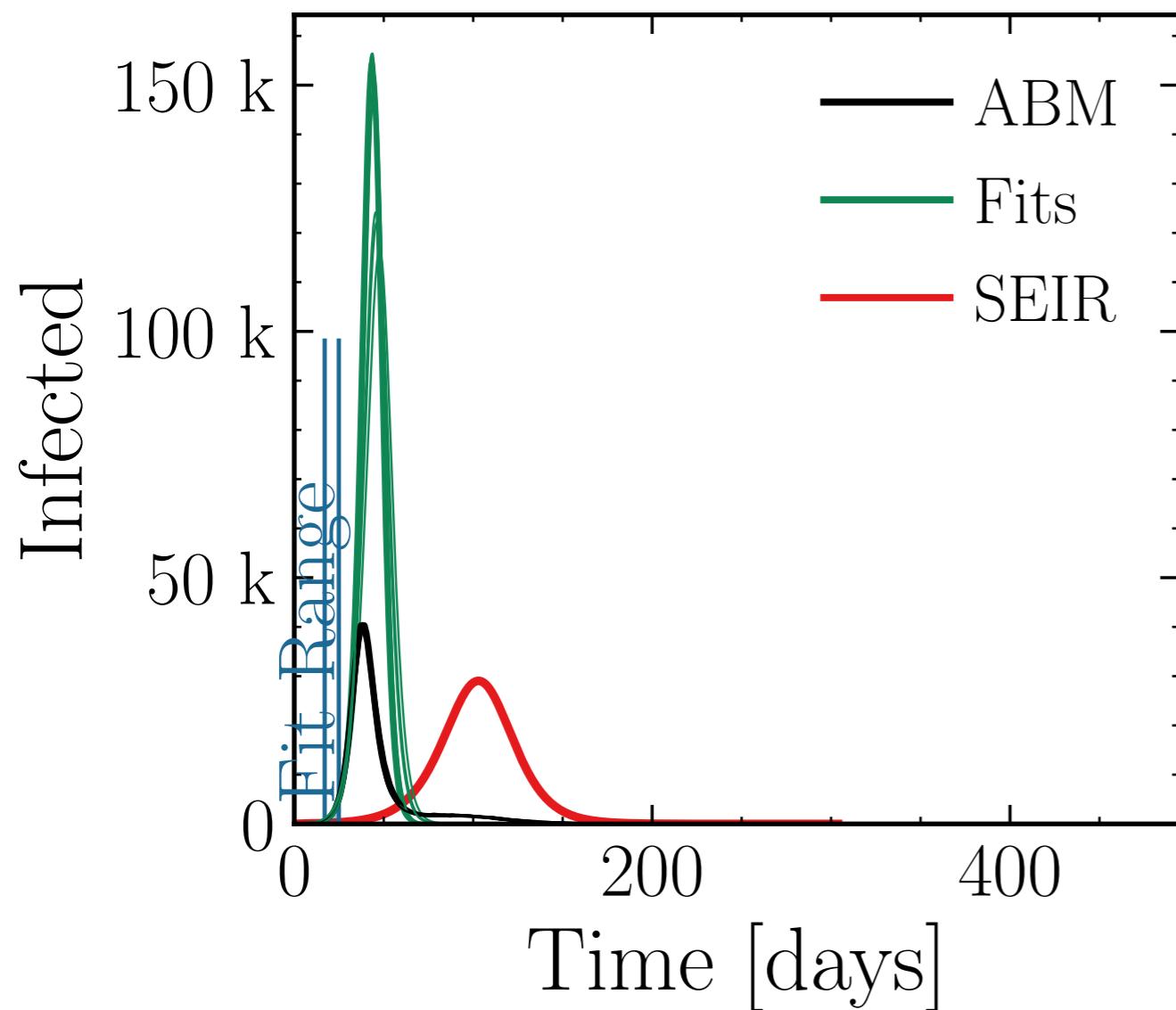
$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 3.6 \pm 0.12$$

$$v. = 1.0$$

$$\text{hash} = 98434dc651, \#10$$

$$R_{\infty}^{\text{fit}} = (567 \pm 0.41\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 2.73 \pm 0.012$$



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

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

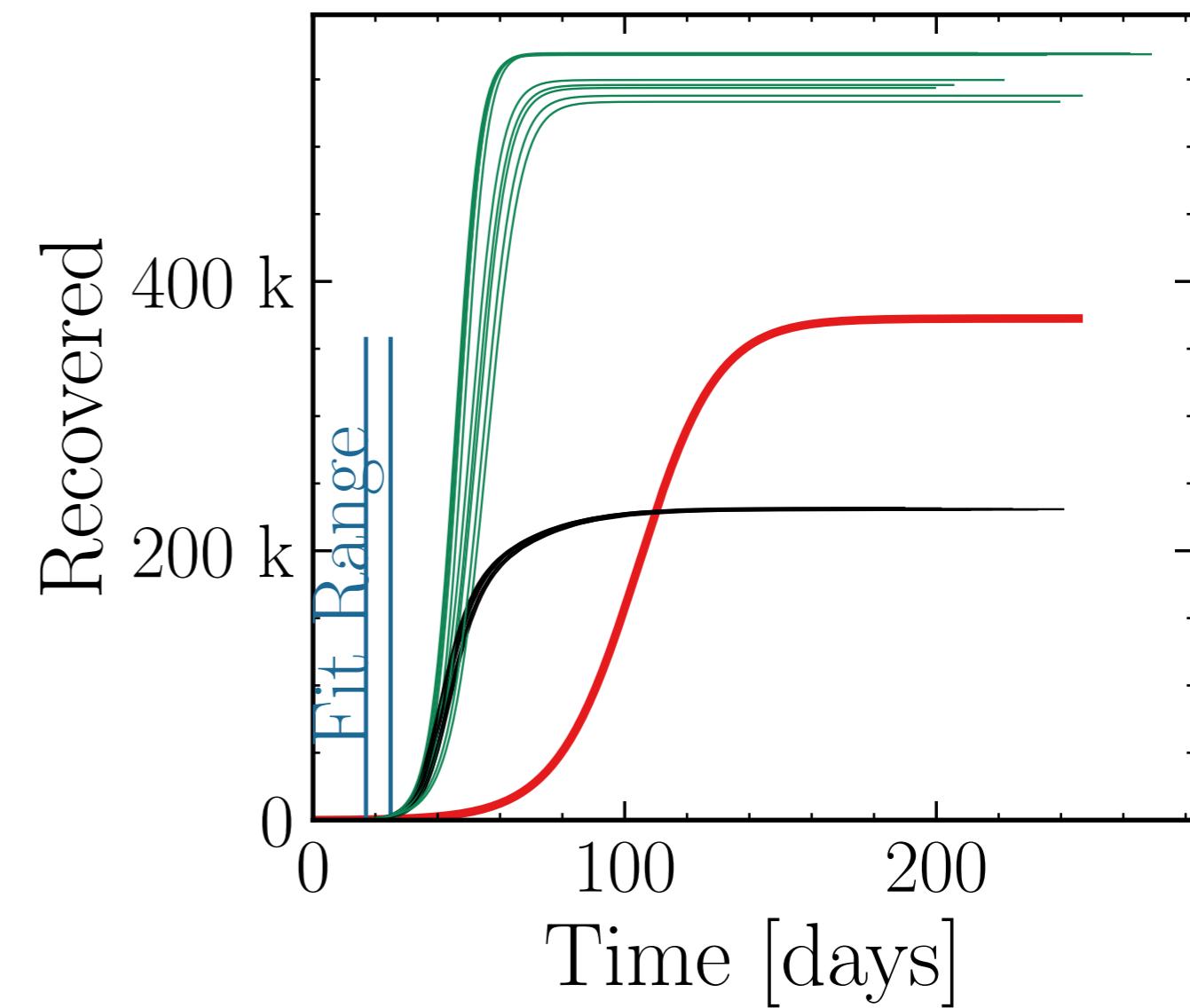
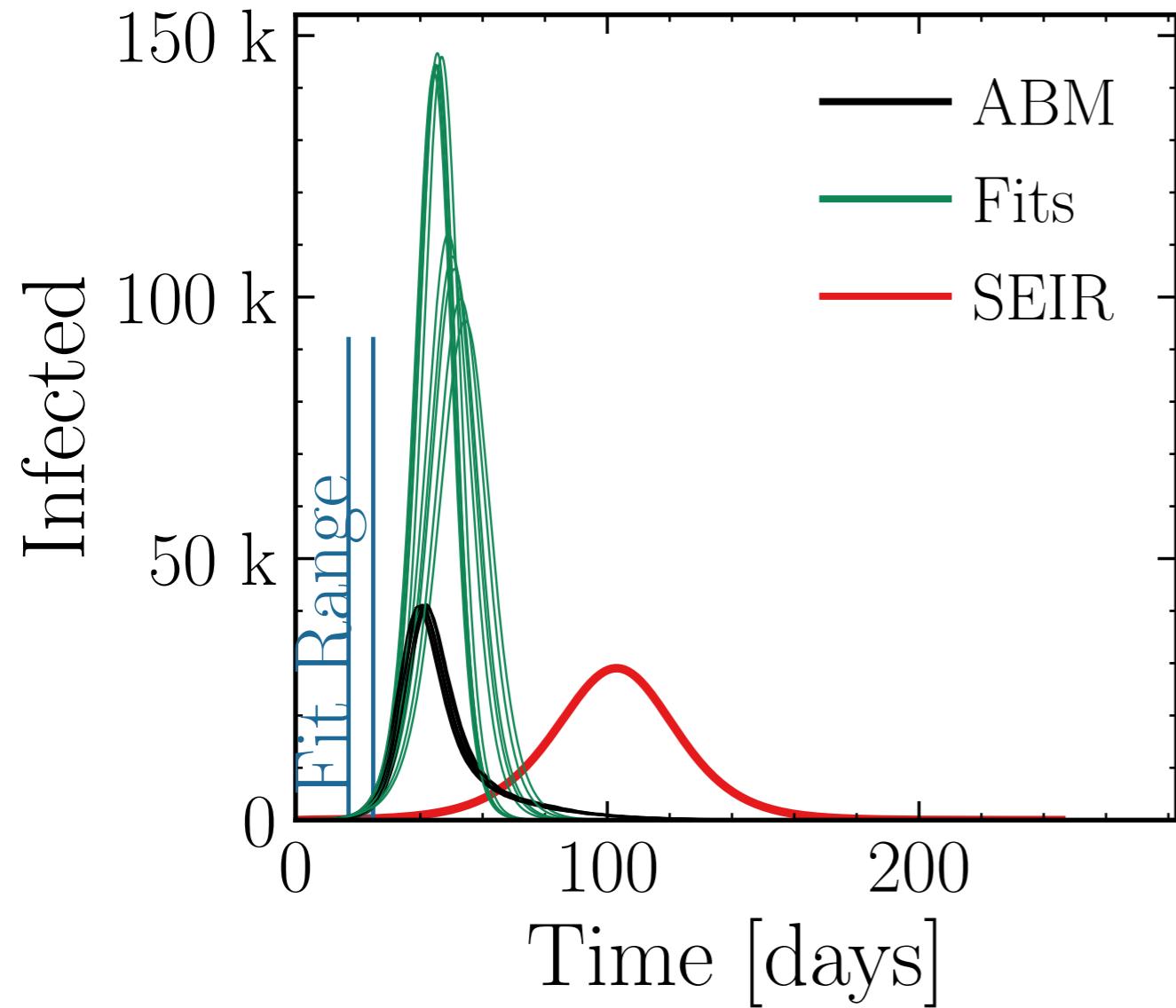
$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

$$I_{\text{max}}^{\text{fit}} = (124 \pm 5.3\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 3 \pm 0.16$$

$$\text{v.} = 1.0, \text{hash} = 63c470cbdf\#10, R_{\infty}^{\text{fit}} = (556 \pm 0.8\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 2.4 \pm 0.019$$



$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.05$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, 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_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

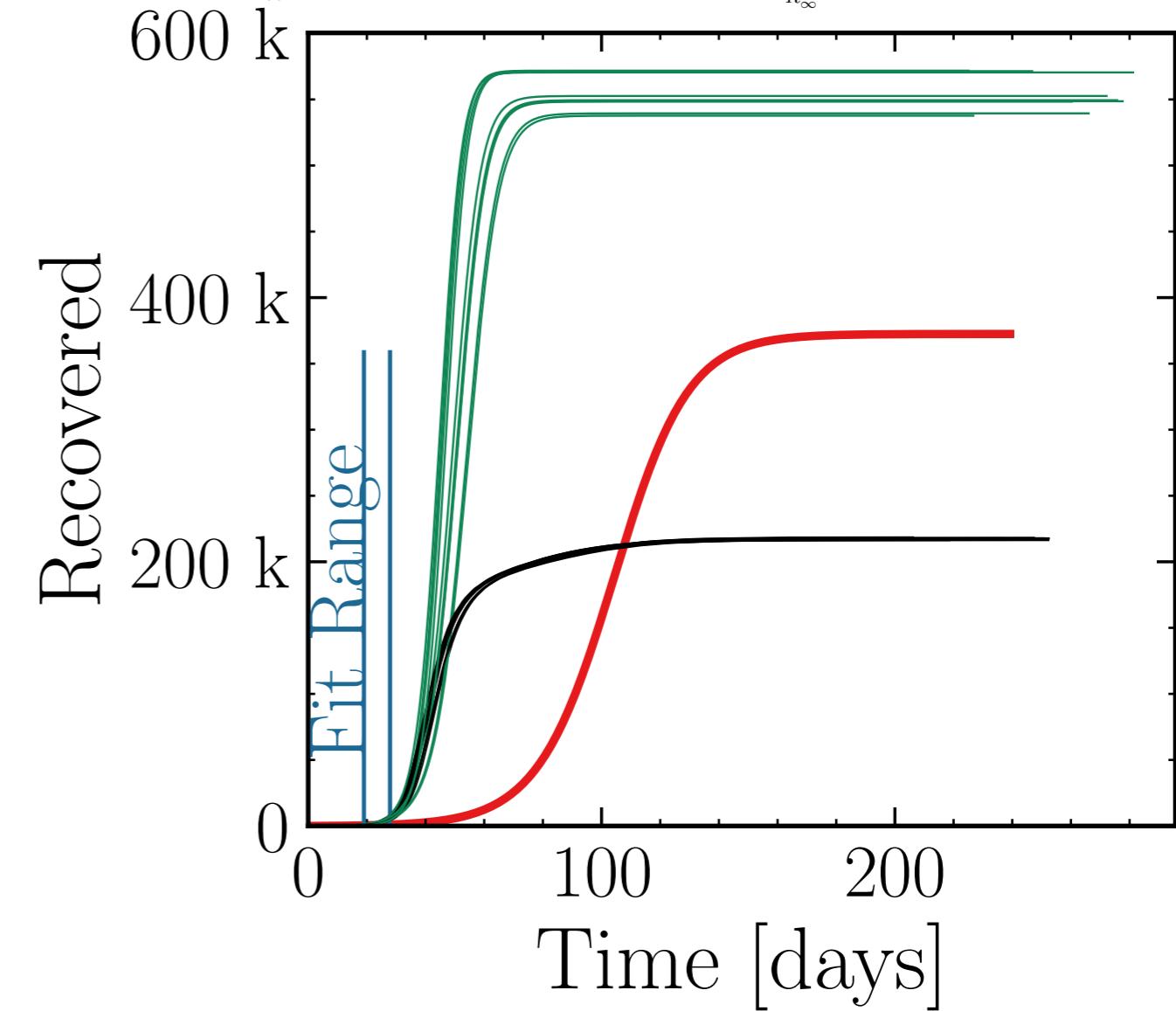
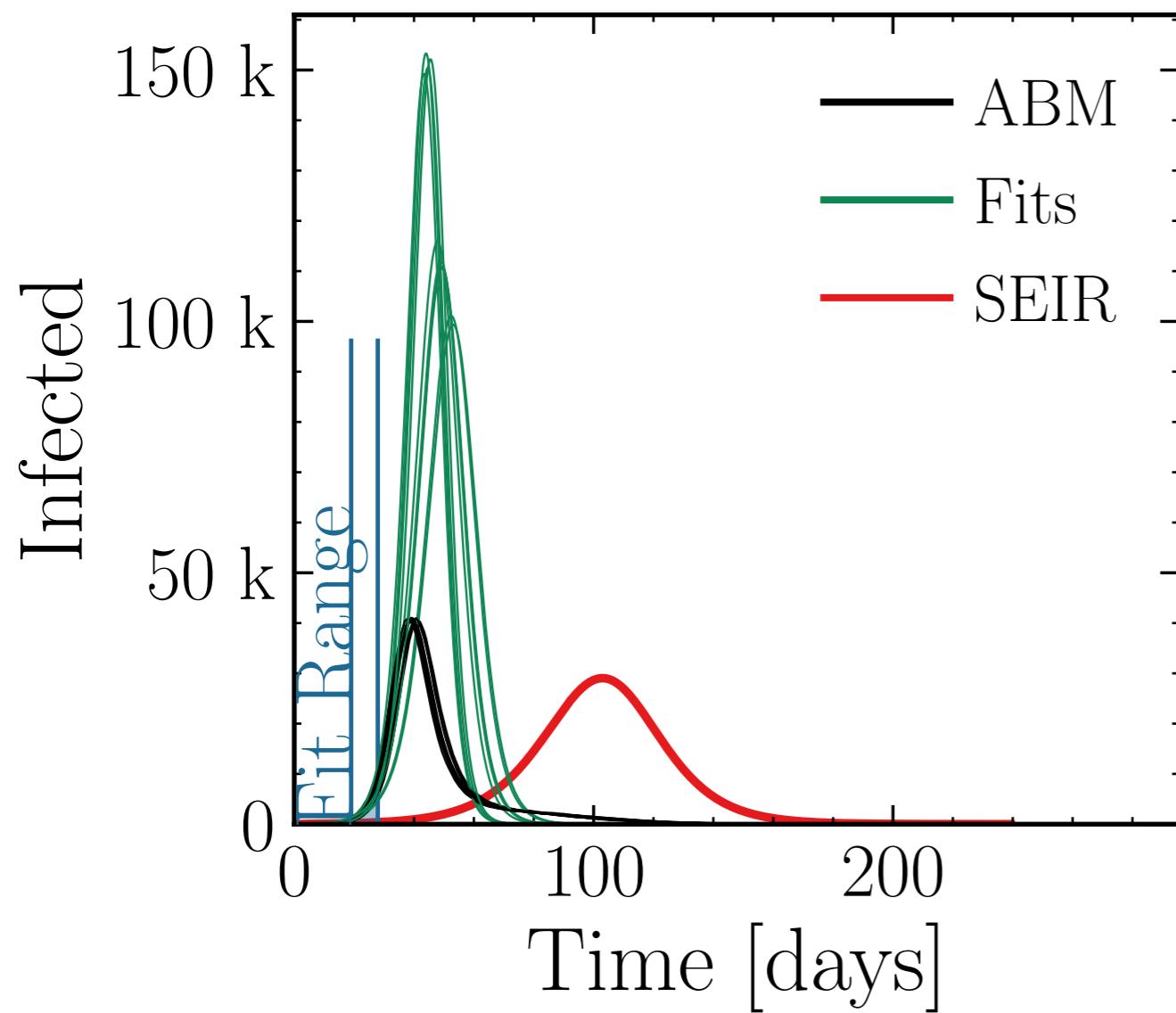
$$I_{\text{max}}^{\text{fit}} = (125 \pm 5.4\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 3.1 \pm 0.16$$

$$\text{v.} = 1.0, \text{hash} = 39e2231c83, \#10$$

$$R_{\infty}^{\text{fit}} = (556 \pm 0.74\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 2.56 \pm 0.021$$



$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.4$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$

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

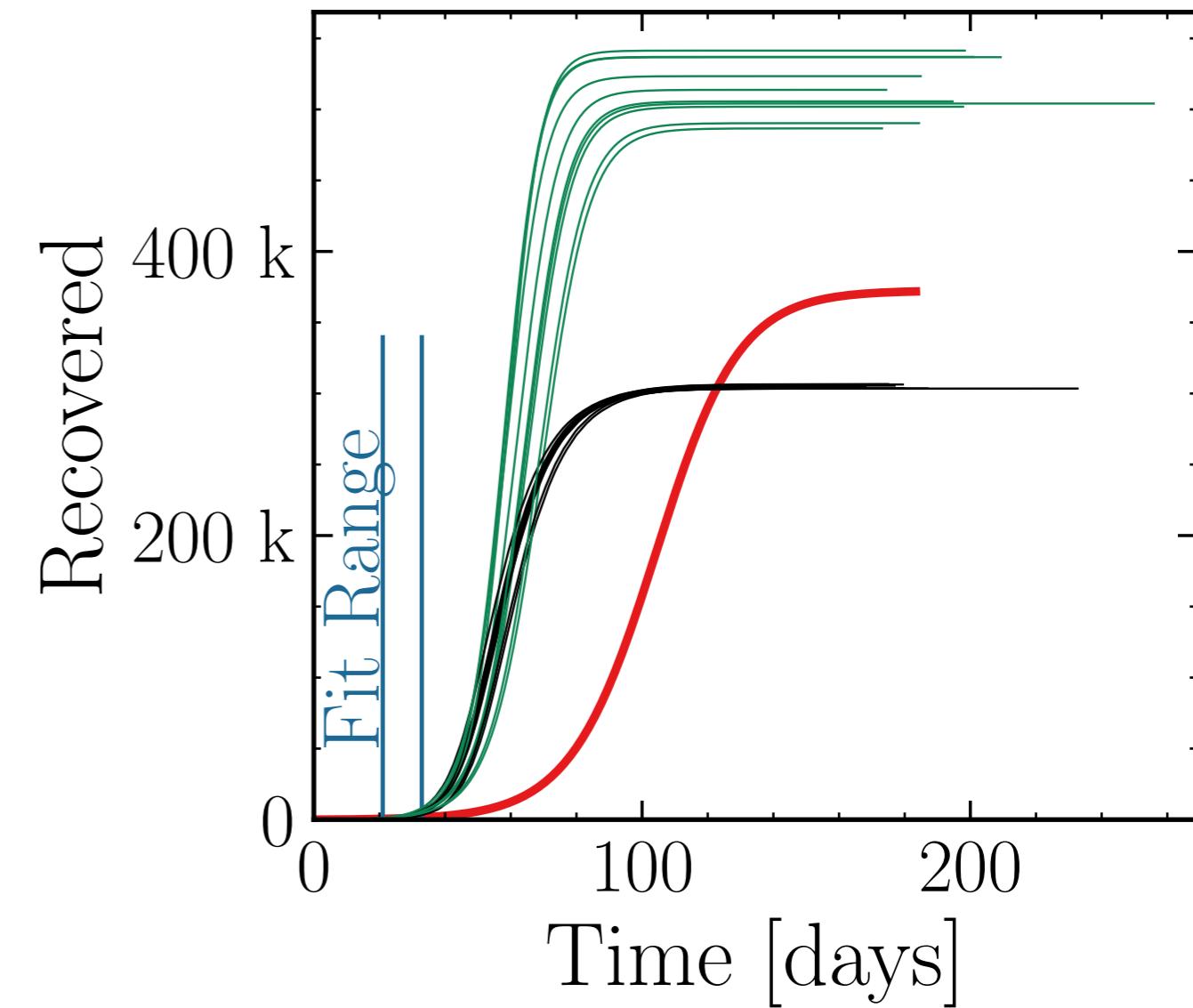
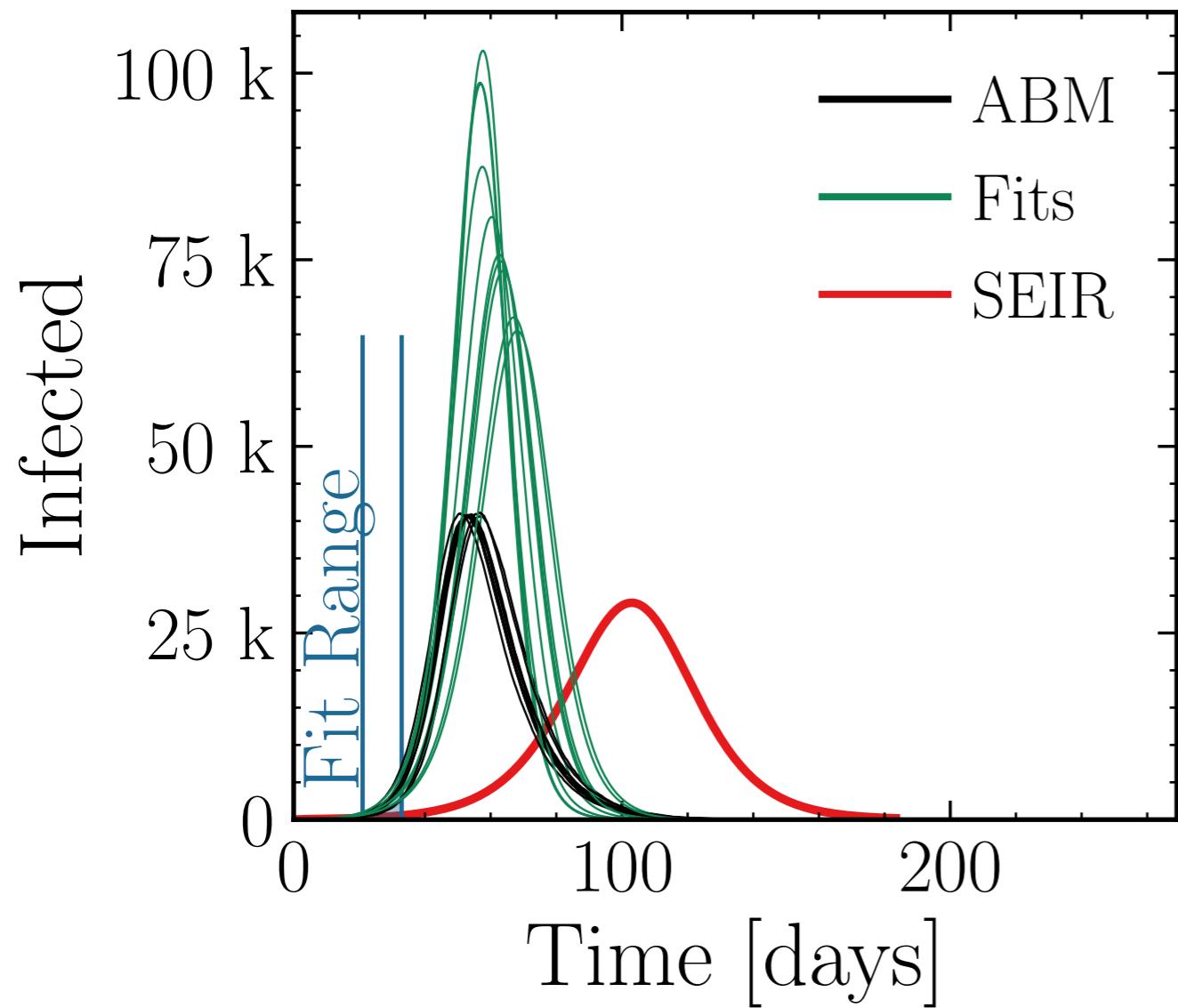
$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β scaling} = 10.0, event_{weekendmultiplier} = 1.0

$$I_{\text{max}}^{\text{fit}} = (83 \pm 5.0\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 2 \pm 0.10$$

$$\text{v.} = 1.0, \text{hash} = 5c1bf17b3d, \#(514 \pm 1.2\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.69 \pm 0.019$$



$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.3$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$

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

$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

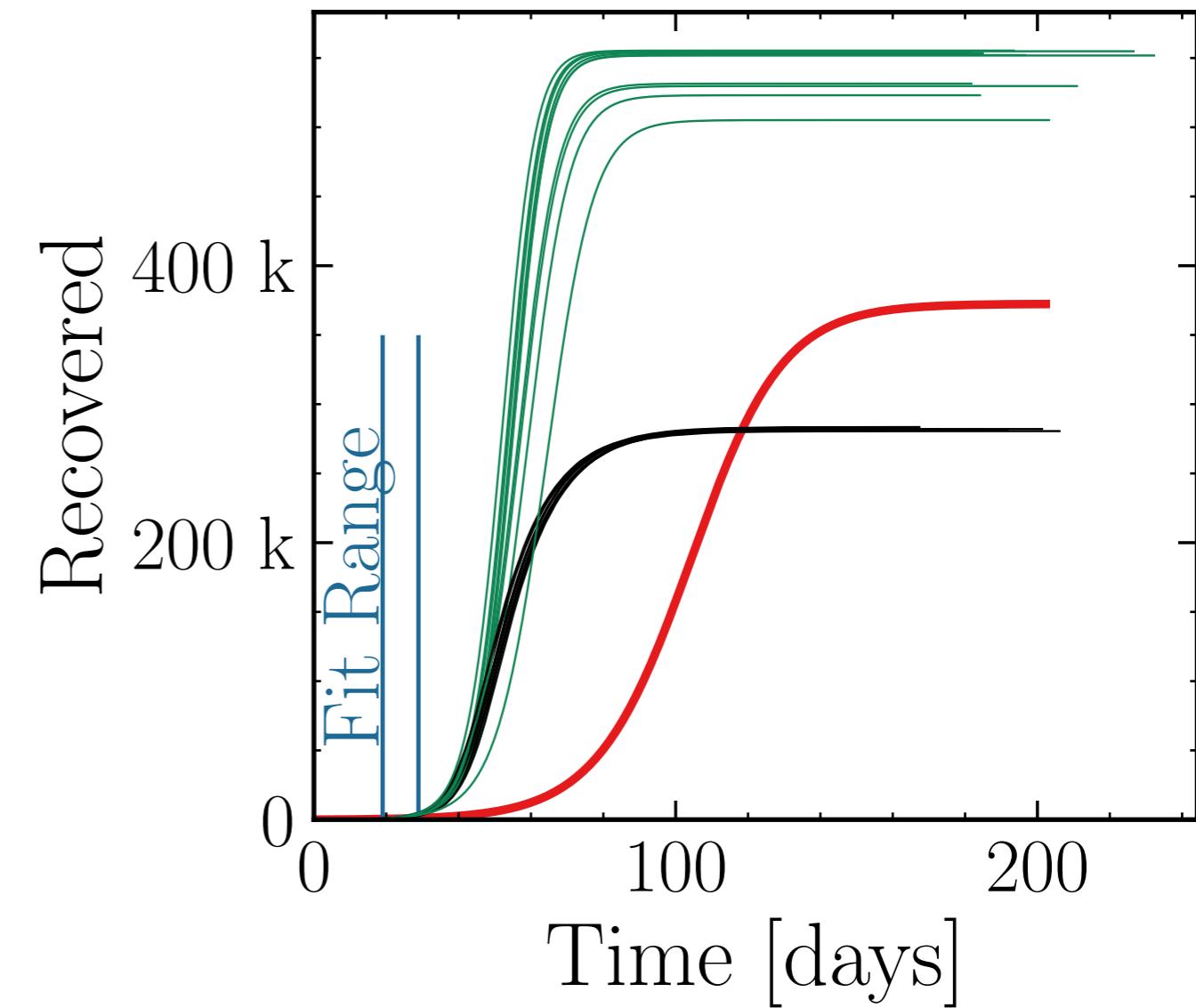
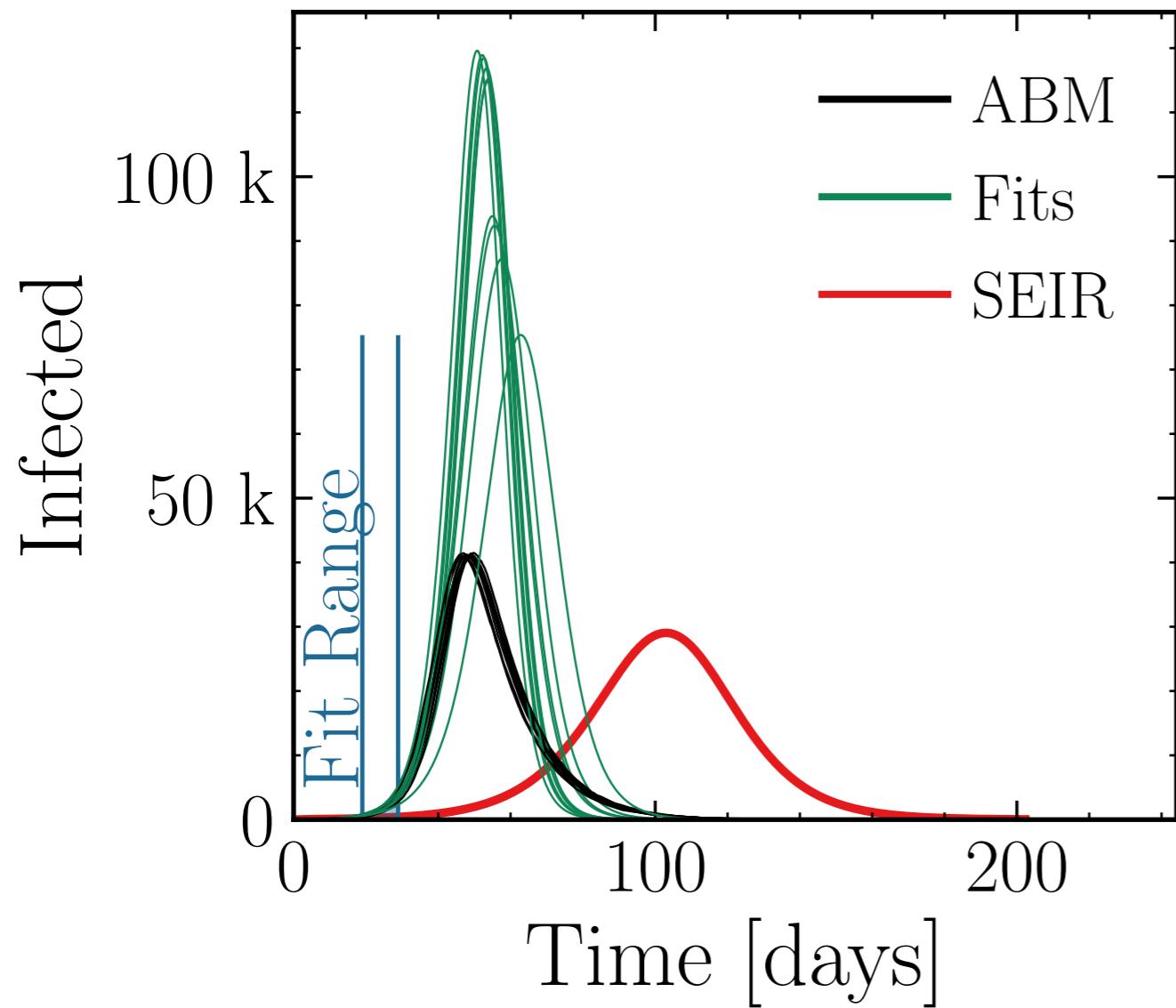
$$I_{\text{max}}^{\text{fit}} = (105 \pm 4.7\%) \cdot 10^3$$

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

$$\text{v.} = 1.0, \text{hash} = \text{acbeb02fa5}, \#10$$

$$R_{\infty}^{\text{fit}} = (541 \pm 0.98\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{fit}}} = 1.92 \pm 0.019$$



$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.2$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$

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

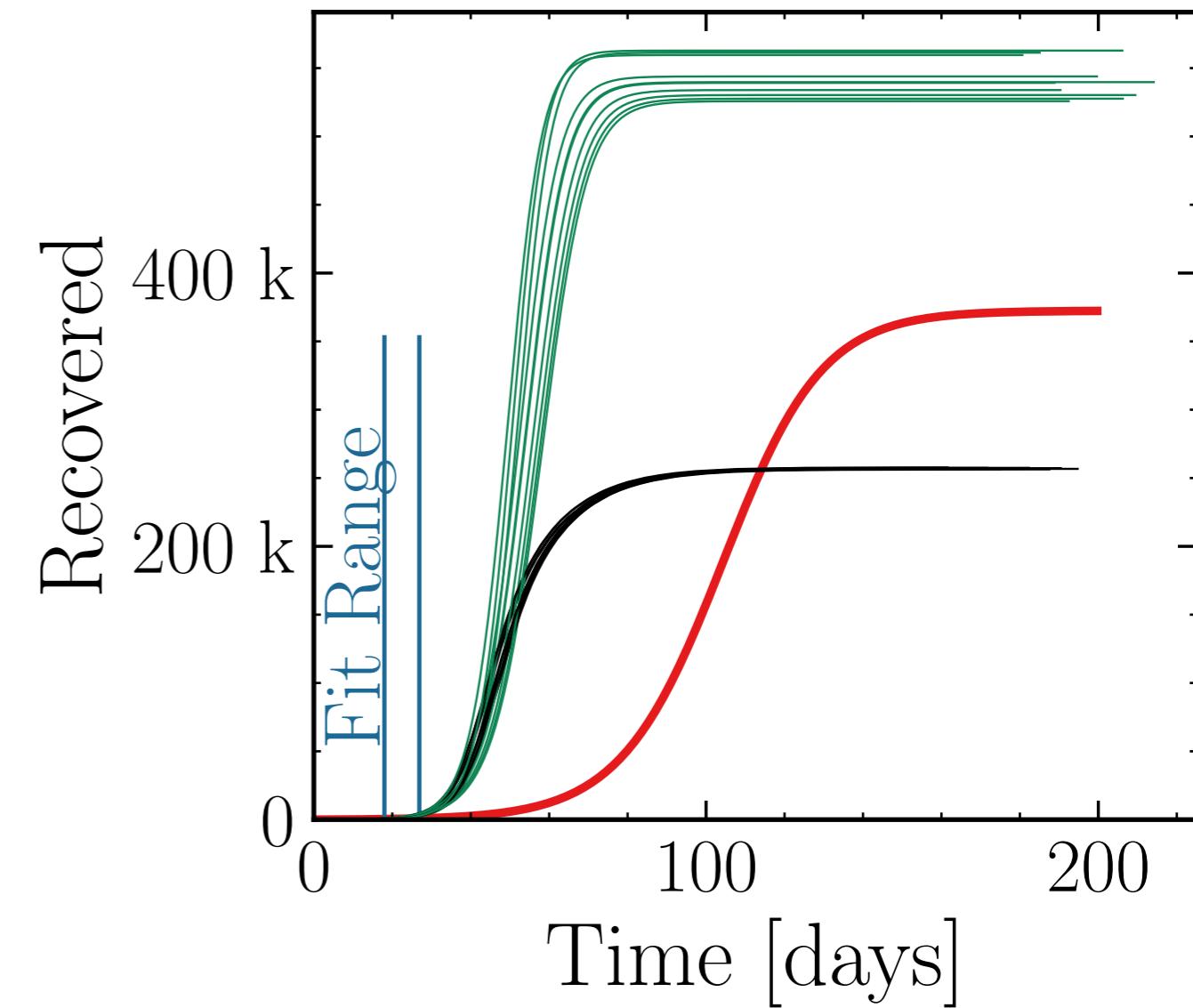
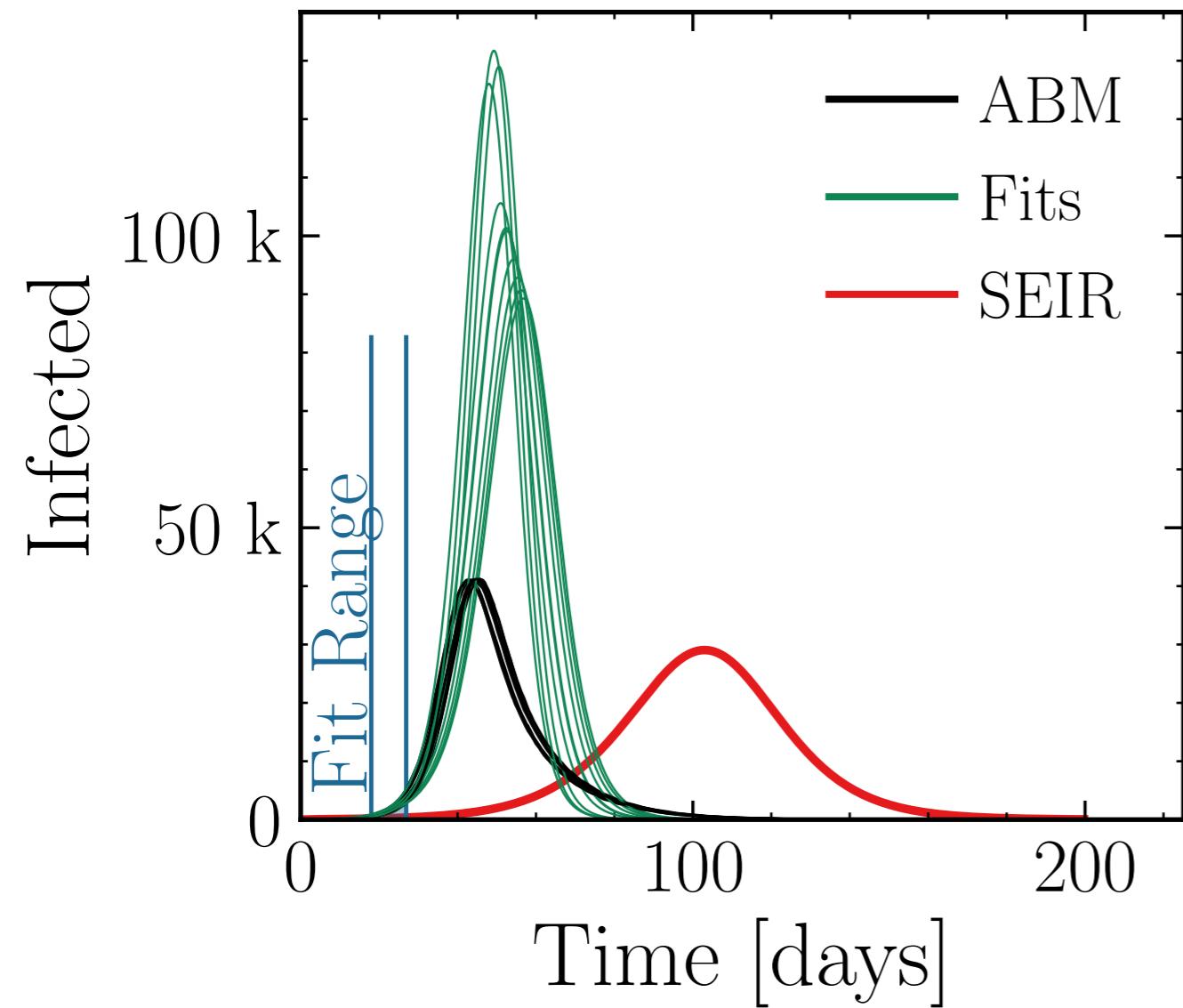
$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

$$I_{\text{max}}^{\text{fit}} = (106 \pm 4.6\%) \cdot 10^3$$

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

$$v. = 1.0, \text{hash} = 5f0f46cf8d \#10, R_{\infty}^{\text{fit}} = (542 \pm 0.78\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{fit}}} = 2.11 \pm 0.016$$



$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.7$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$

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

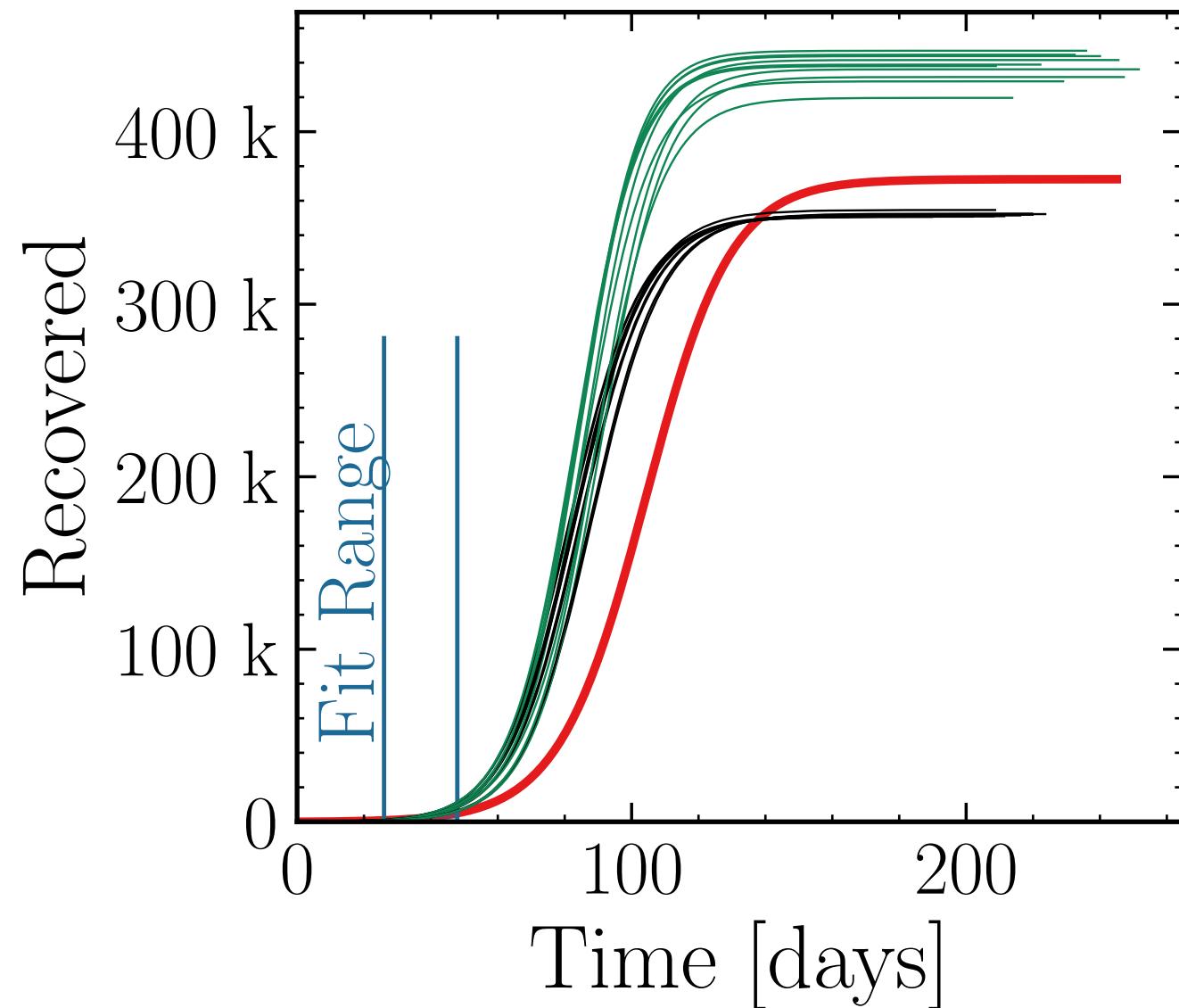
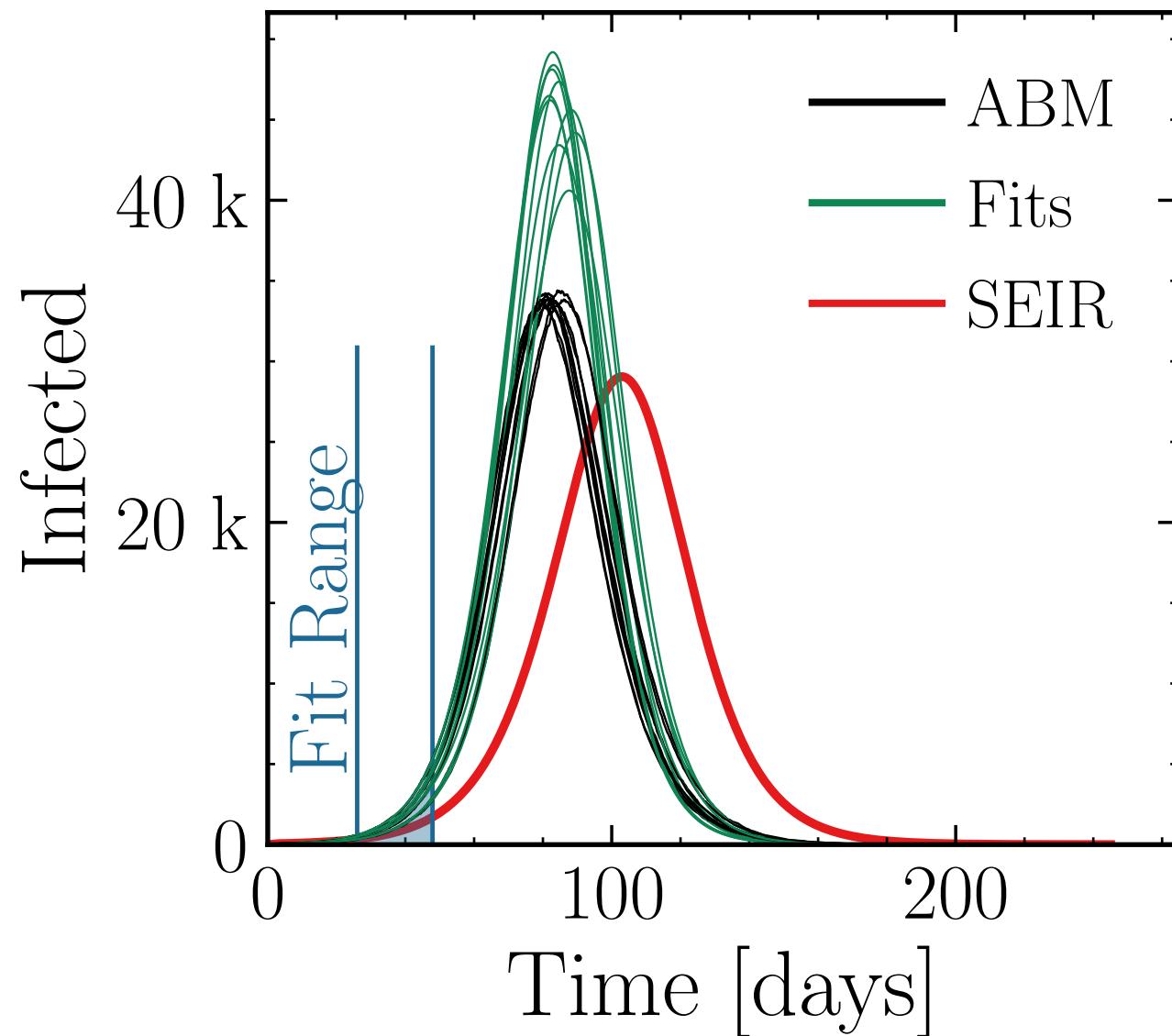
$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β scaling} = 10.0, event_{weekendmultiplier} = 1.0

$$I_{\text{max}}^{\text{fit}} = (46 \pm 1.7\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{ABM}}^{\text{max}}} = 1.35 \pm 0.023 \quad v. = 1.0, \text{hash} = 296f606f5b\#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (437 \pm 0.58\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{fit}}} = 1.242 \pm 0.0070$$



$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.6$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, 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_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

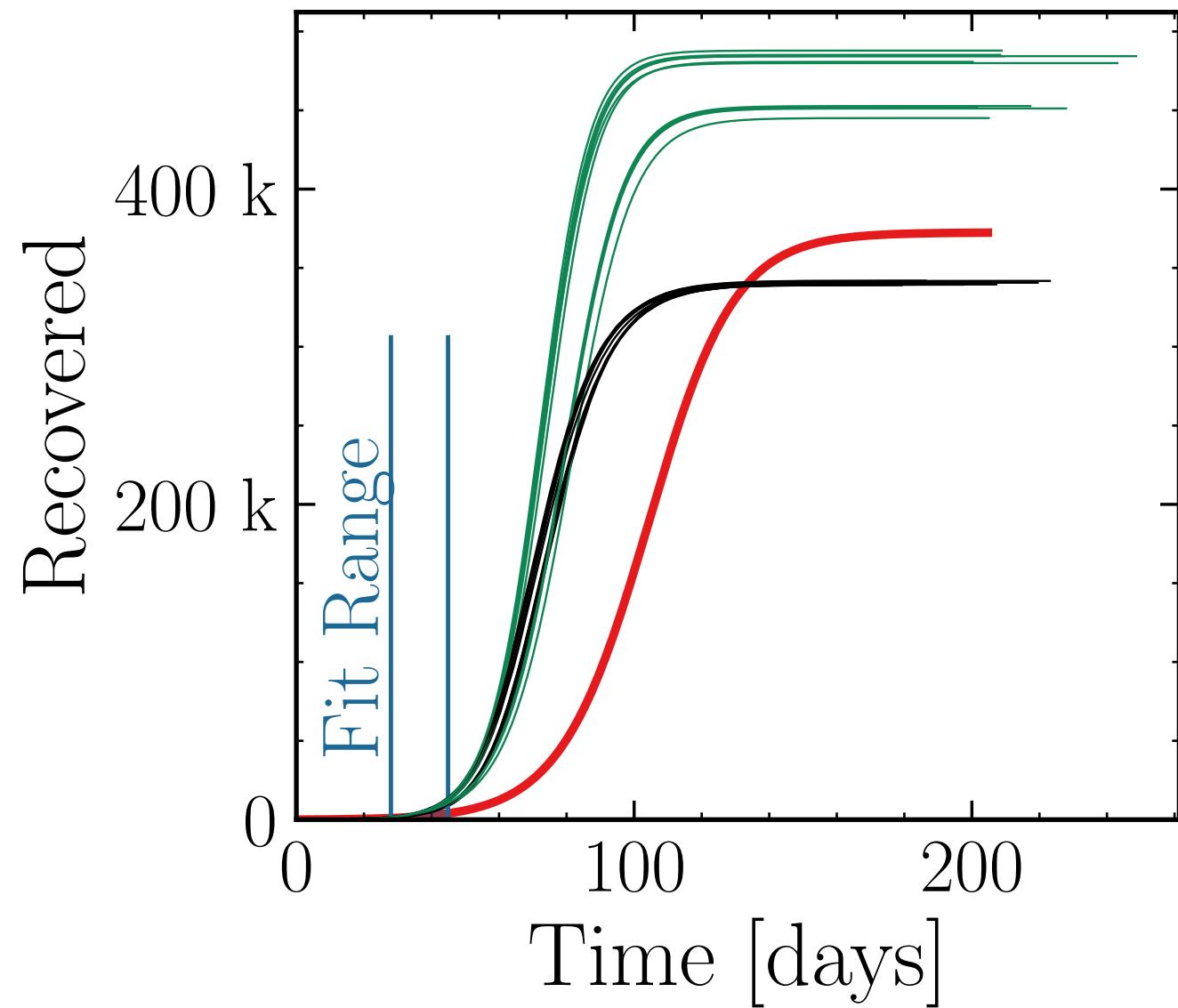
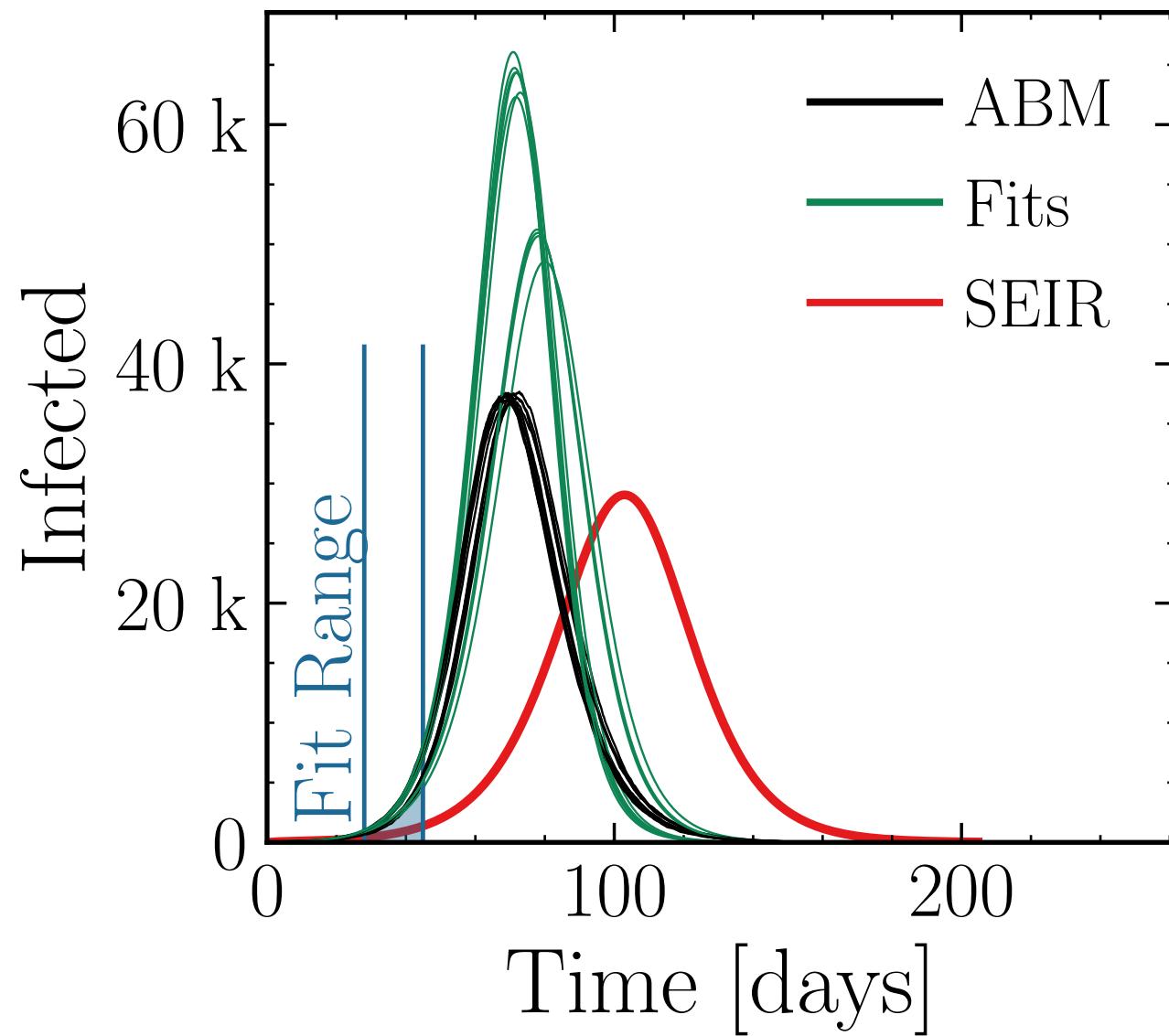
$$I_{\text{max}}^{\text{fit}} = (59 \pm 3.7\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1.57 \pm 0.058$$

$$\text{v.} = 1.0, \text{hash} = 37e37f4f78 \#10$$

$$R_{\infty}^{\text{fit}} \# (470 \pm 1.1\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{fit}}} = 1.38 \pm 0.015$$



$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.5$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, 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_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

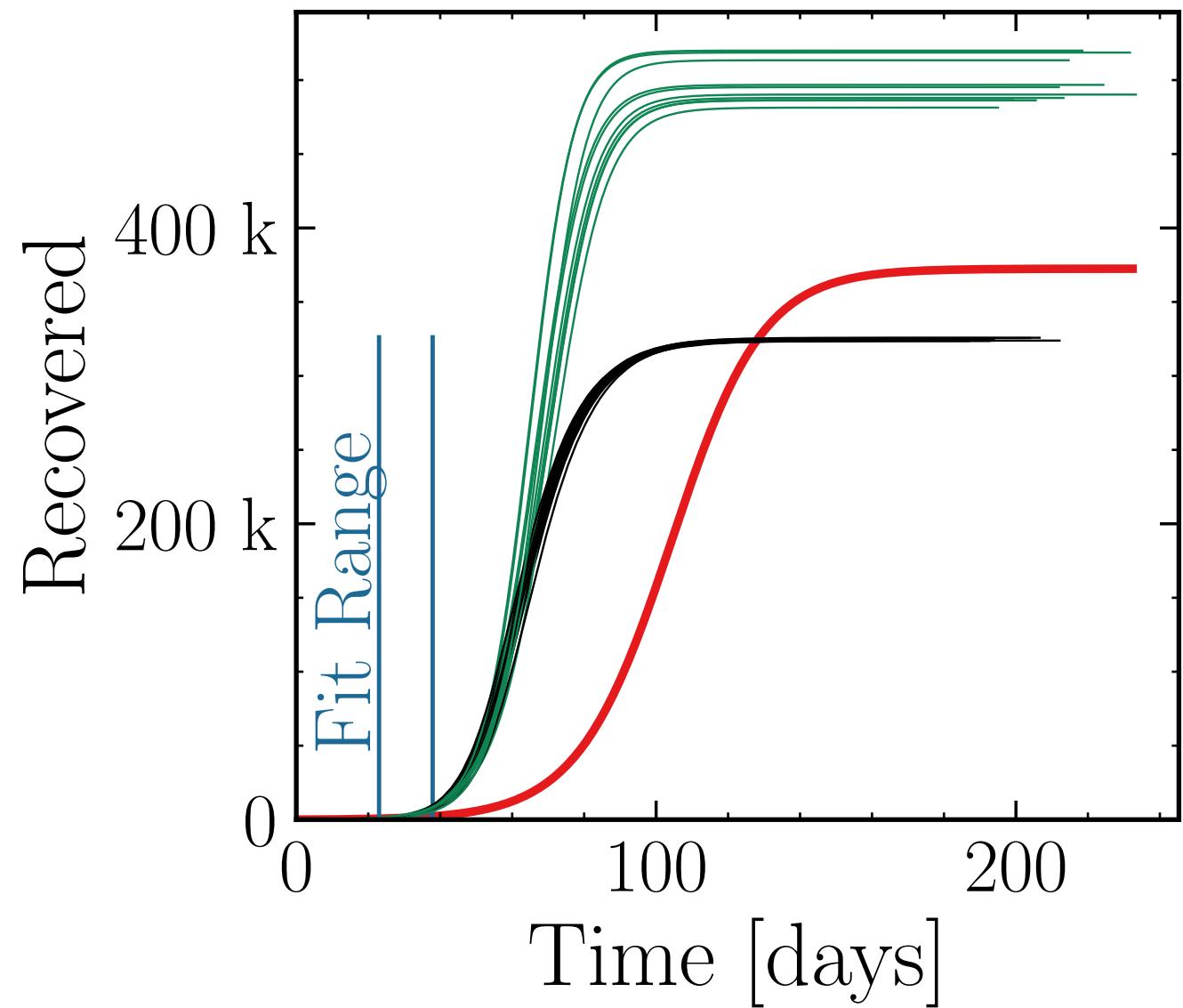
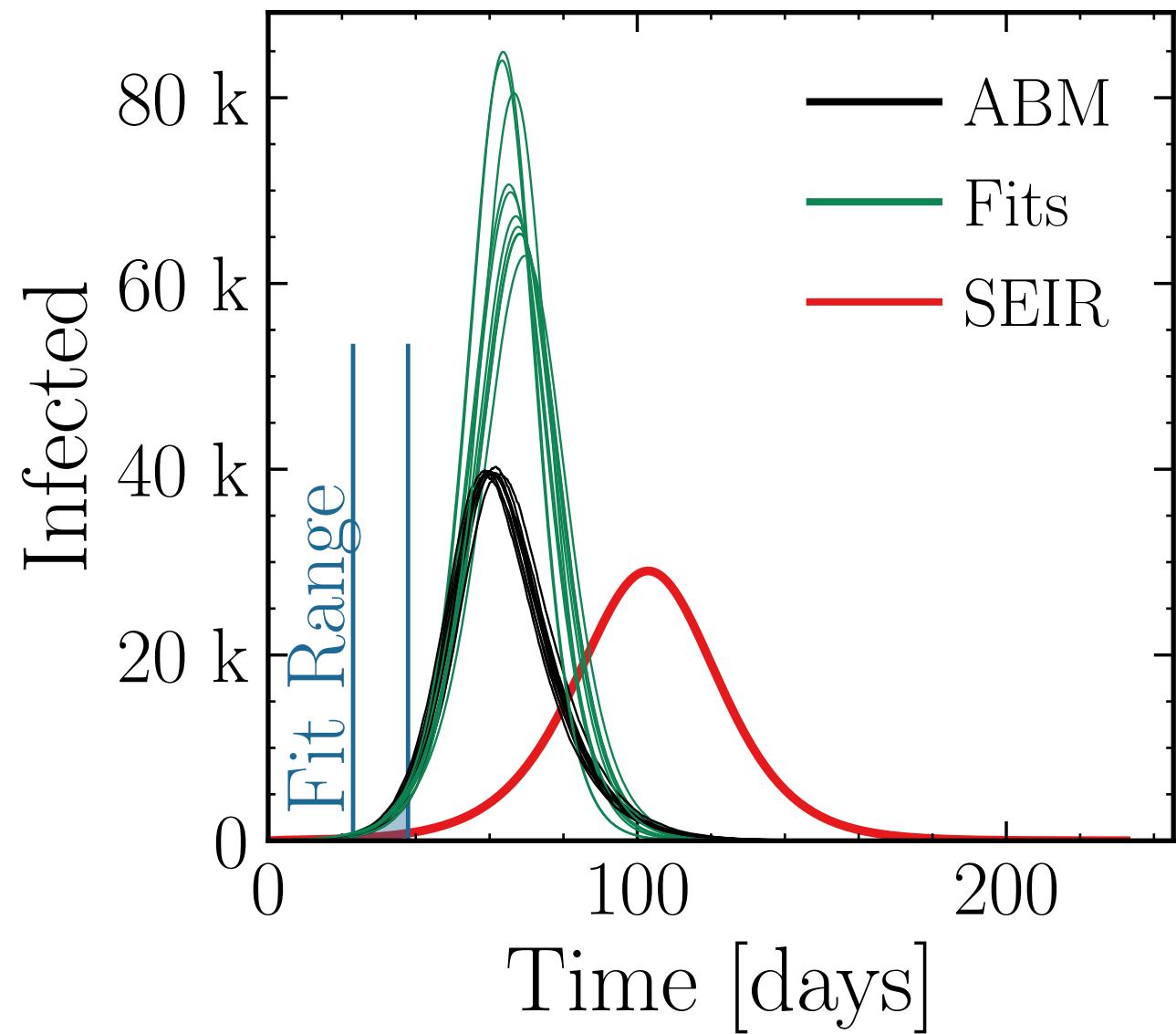
$$I_{\text{max}}^{\text{fit}} = (72 \pm 3.5\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{ABM}}^{\text{ABM}}} = 1.81 \pm 0.064$$

$$\text{v.} = 1.0, \text{hash} = 387d457f61, \#10$$

$$R_{\infty}^{\text{fit}} = (498 \pm 0.87\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.53 \pm 0.013$$



$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.95$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, 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_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

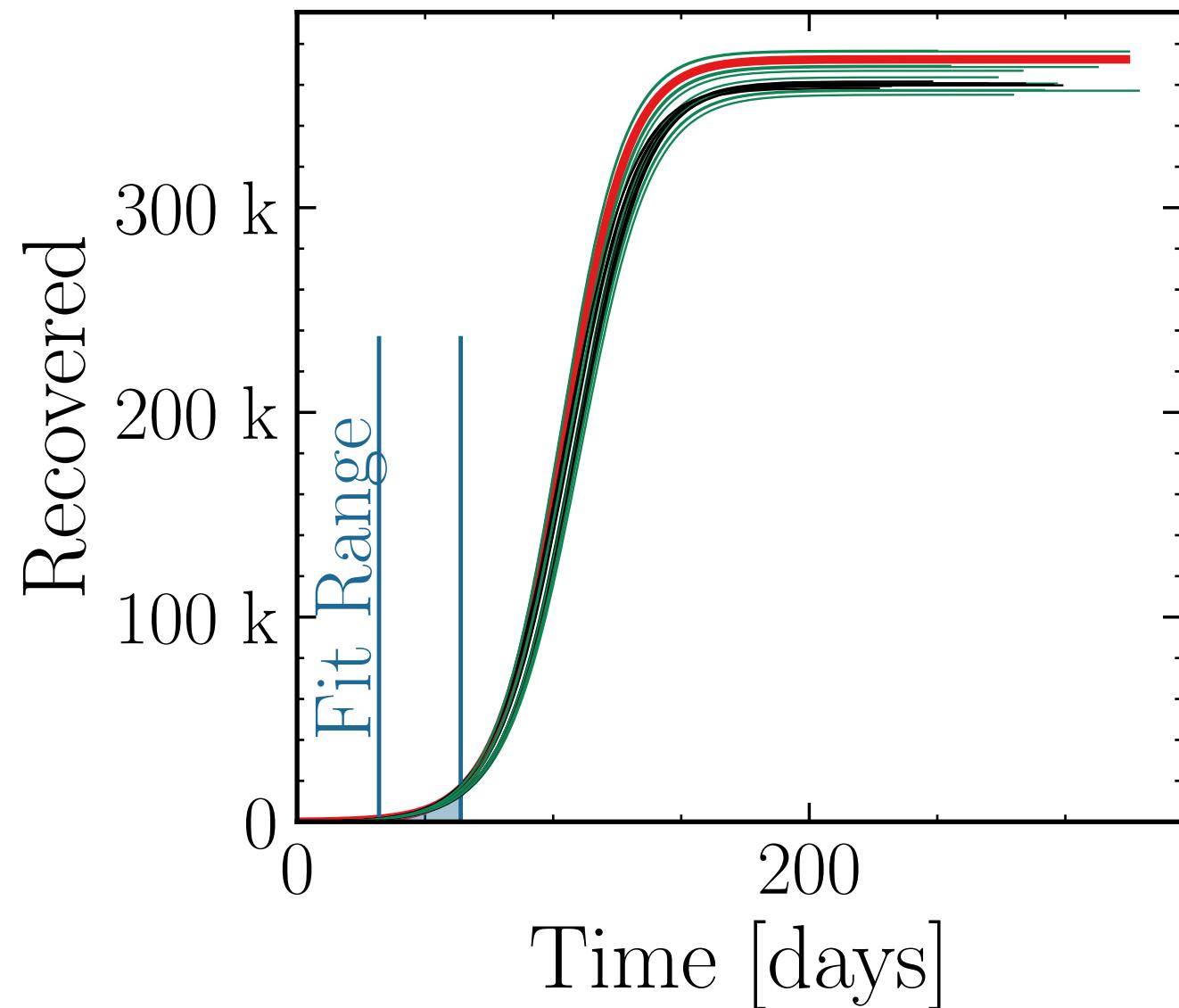
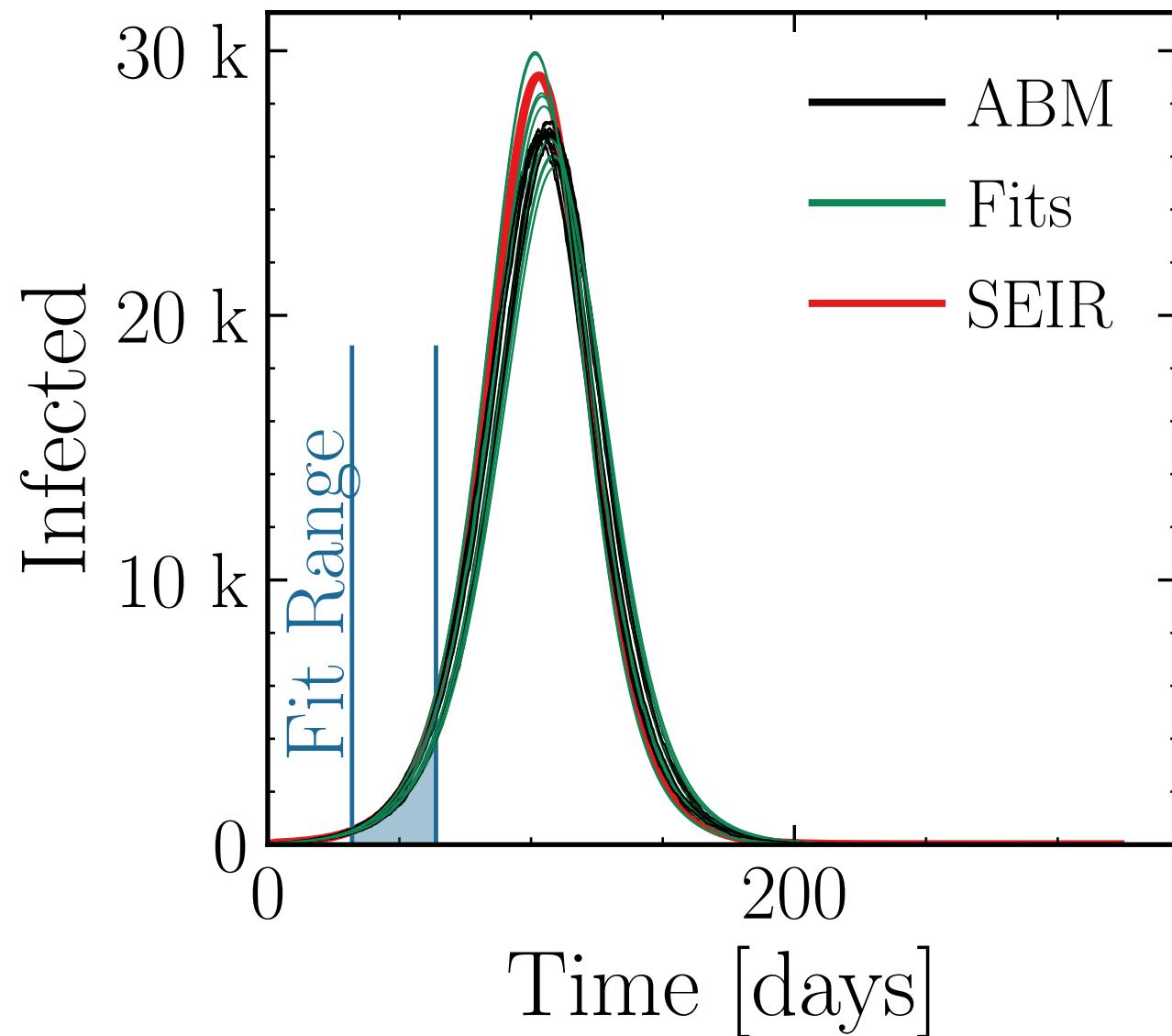
$$I_{\text{max}}^{\text{fit}} = (27.6 \pm 1.7\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1.02 \pm 0.019$$

$$\text{v.} = 1.0, \text{hash} = 8aeb5df6af \#10$$

$$R_{\infty}^{\text{fit}} = (365 \pm 0.63\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.014 \pm 0.0068$$



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

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

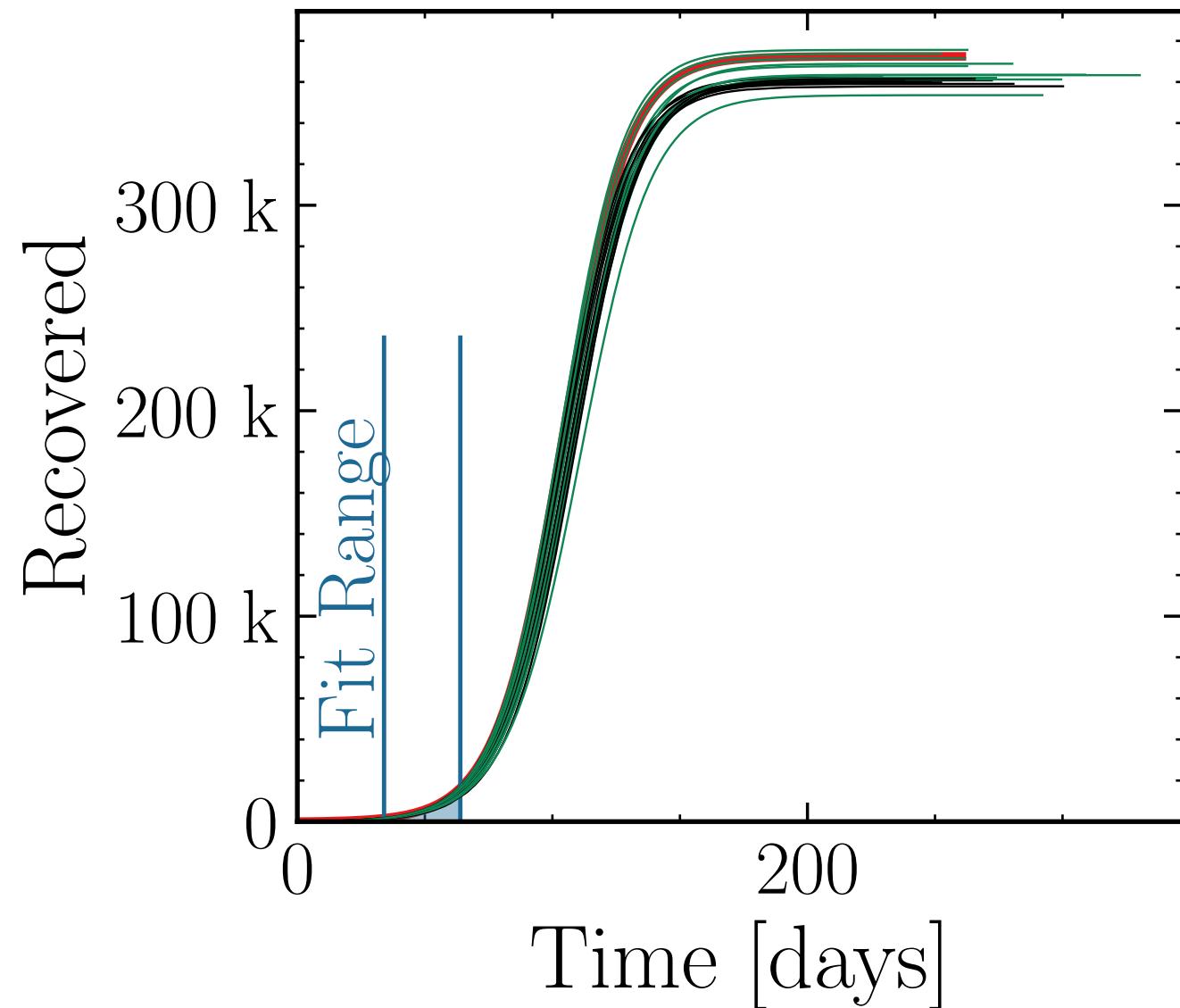
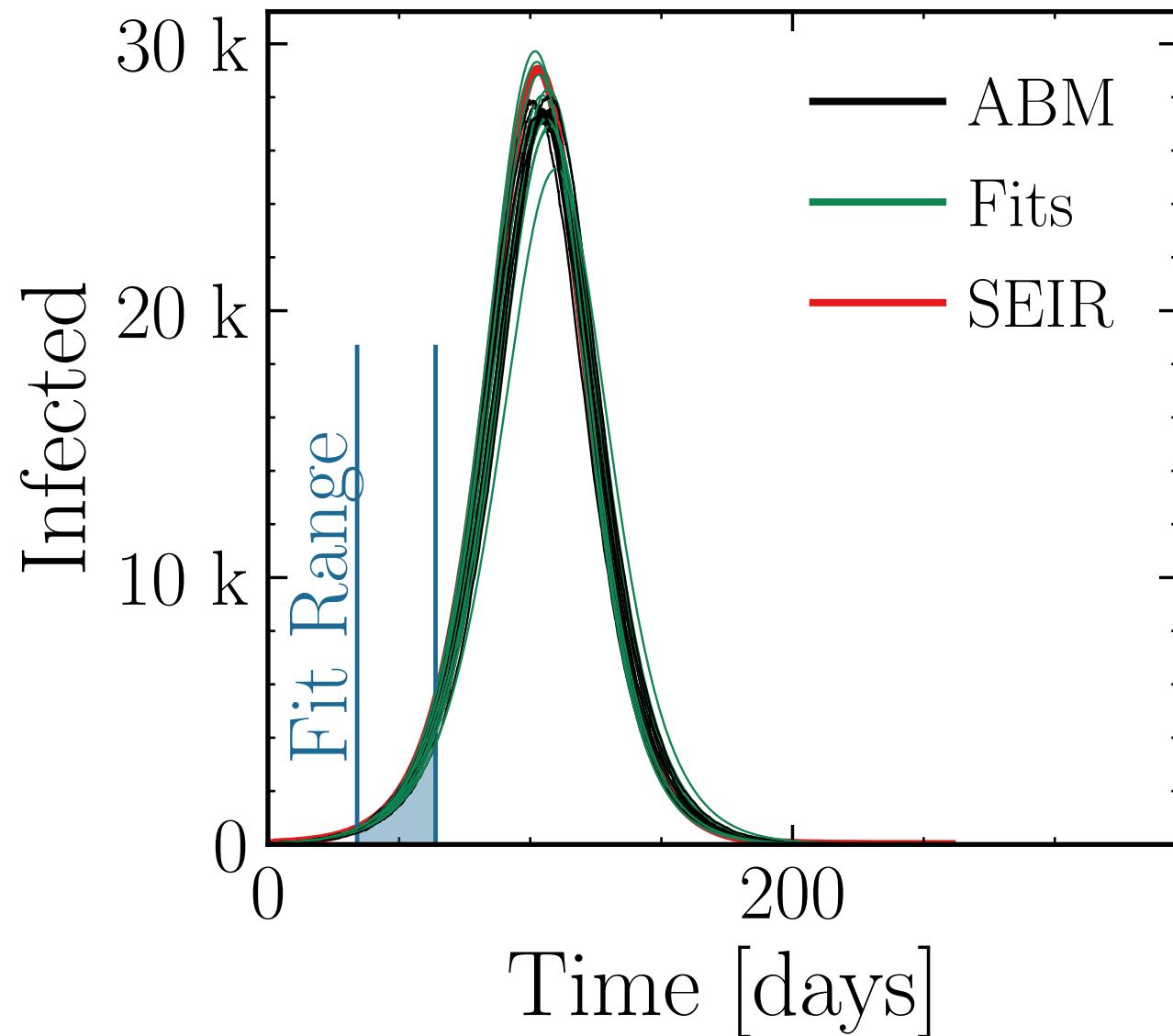
$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

$$I_{\text{max}}^{\text{fit}} = (27.8 \pm 1.4\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1.01 \pm 0.015 \quad v. = 1.0, \text{hash} = 2670d2c15f, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (366 \pm 0.55\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{fit}}} = 1.016 \pm 0.0055$$



$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.99$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, 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_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

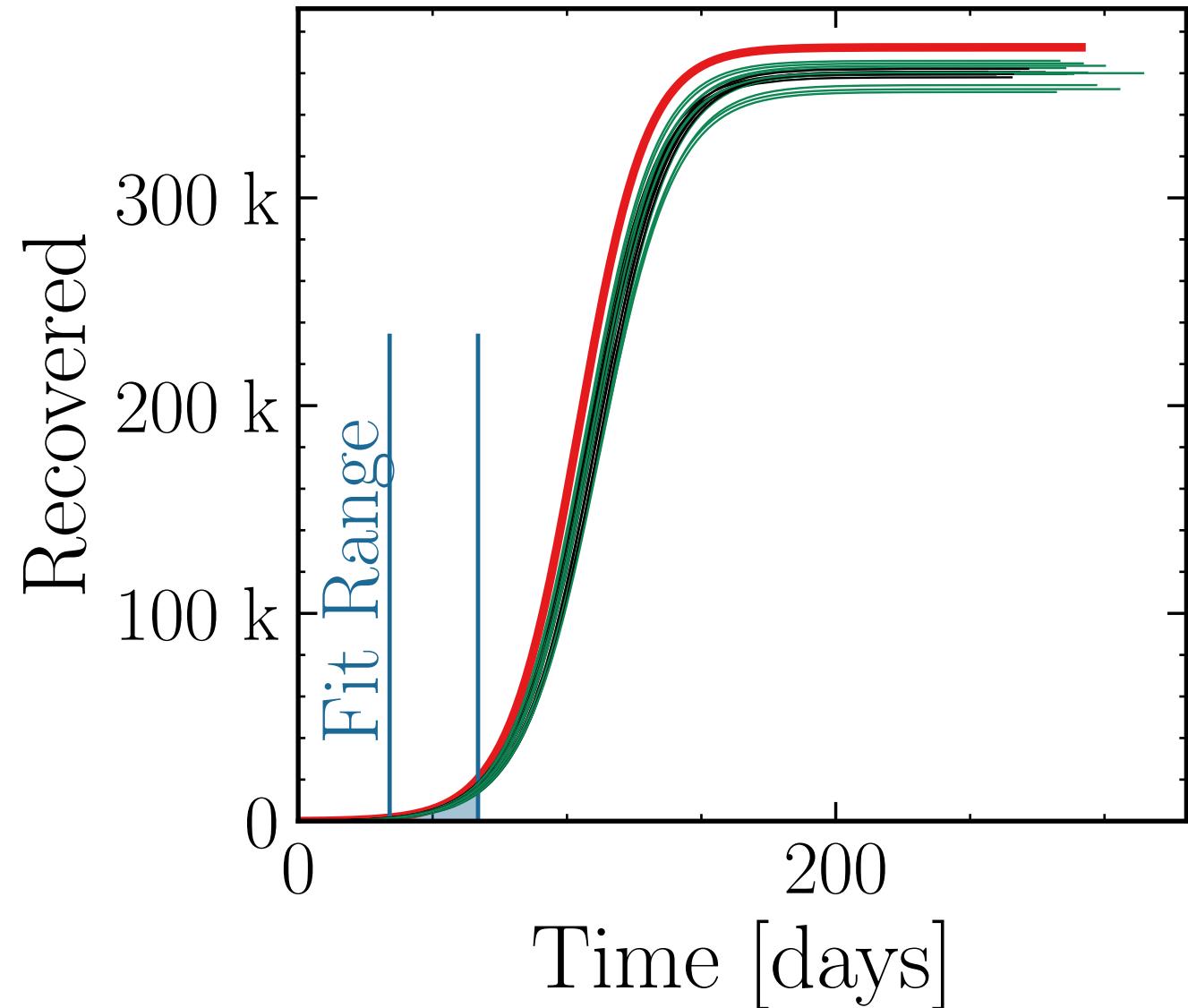
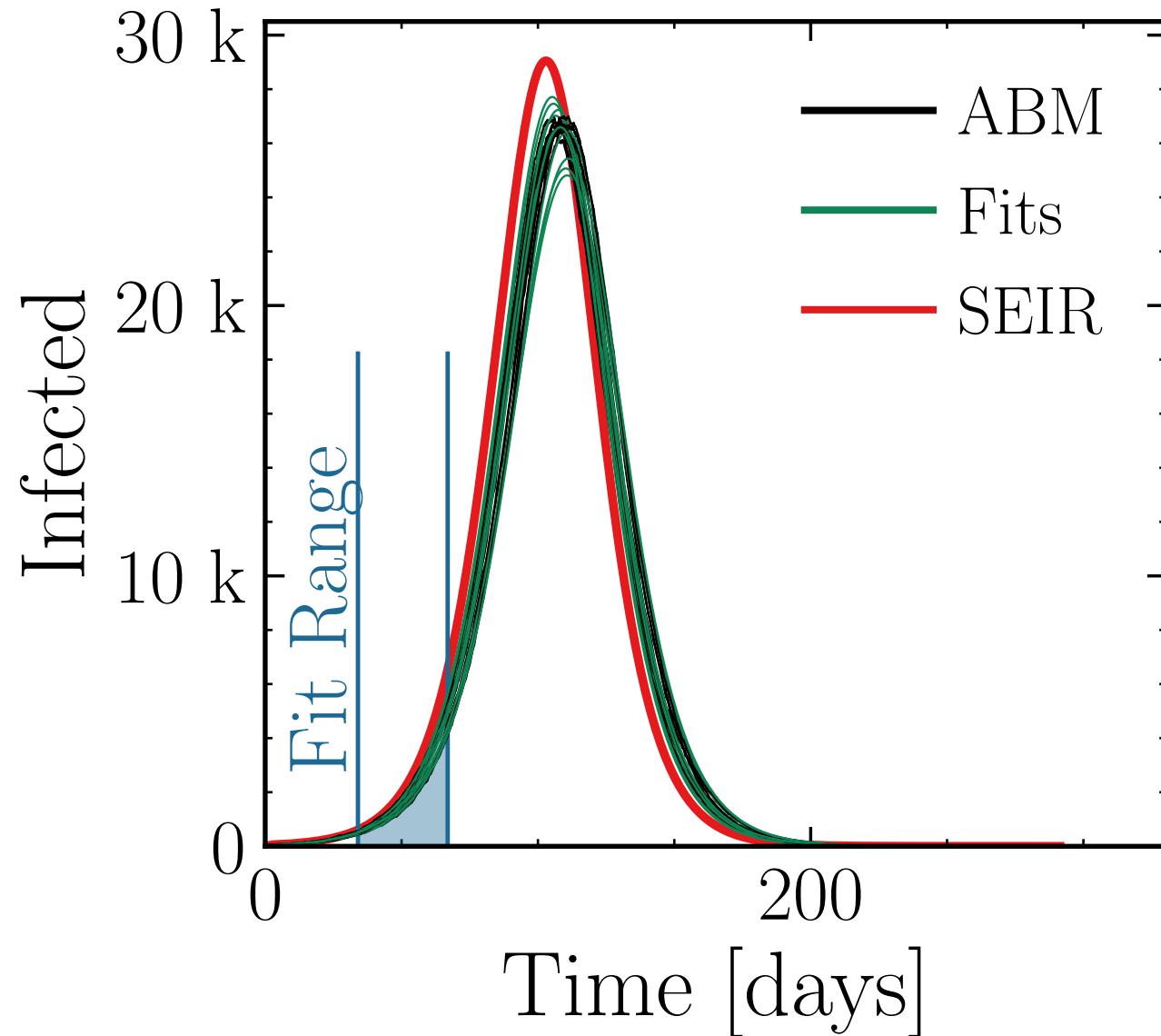
$I_{\text{max}}^{\text{fit}} = (26.4 \pm 1.1\%) \cdot 10^3$

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

v. = 1.0, hash = 88d5aa1332, #10

$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (359 \pm 0.45\%) \cdot 10^3$

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



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

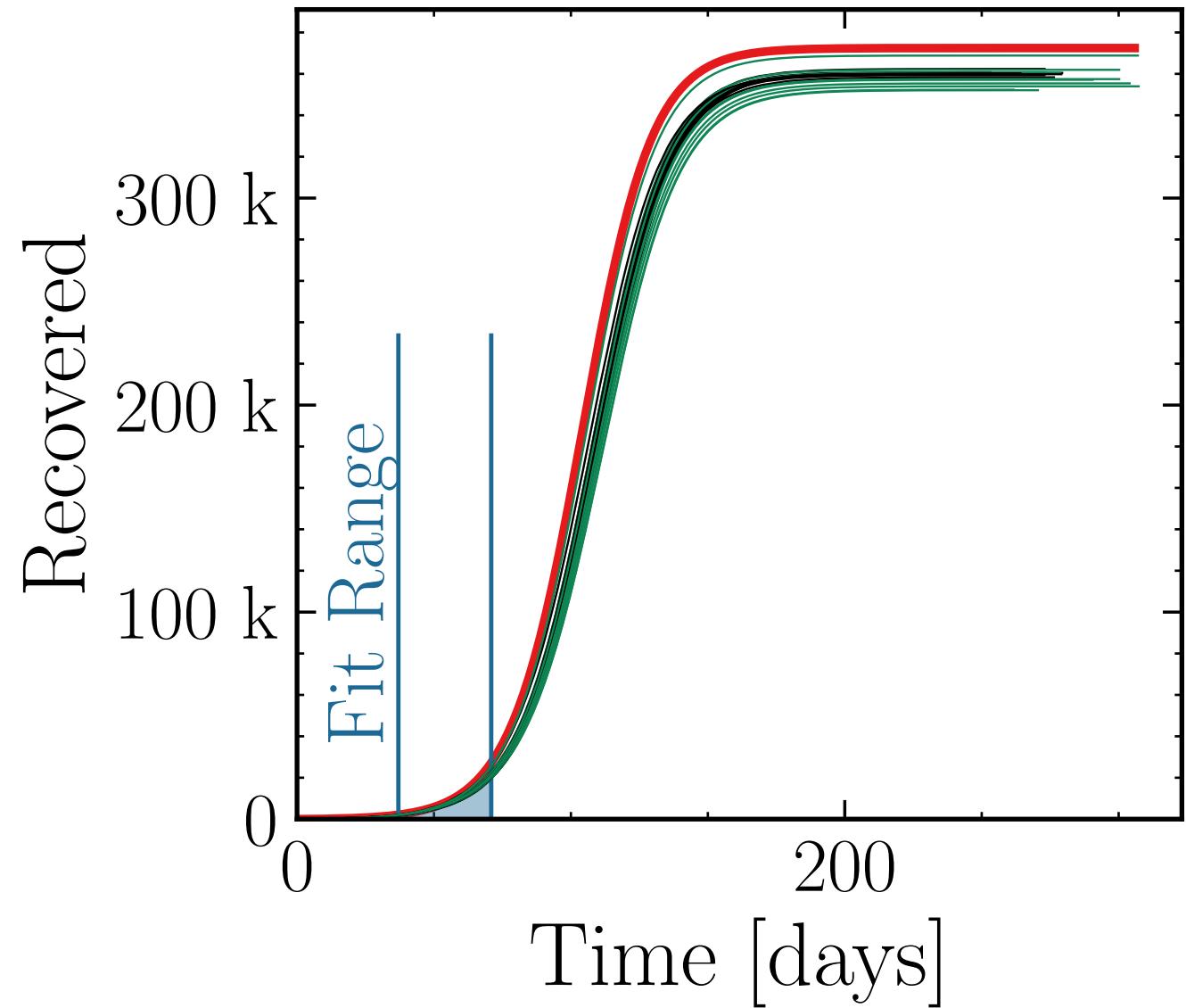
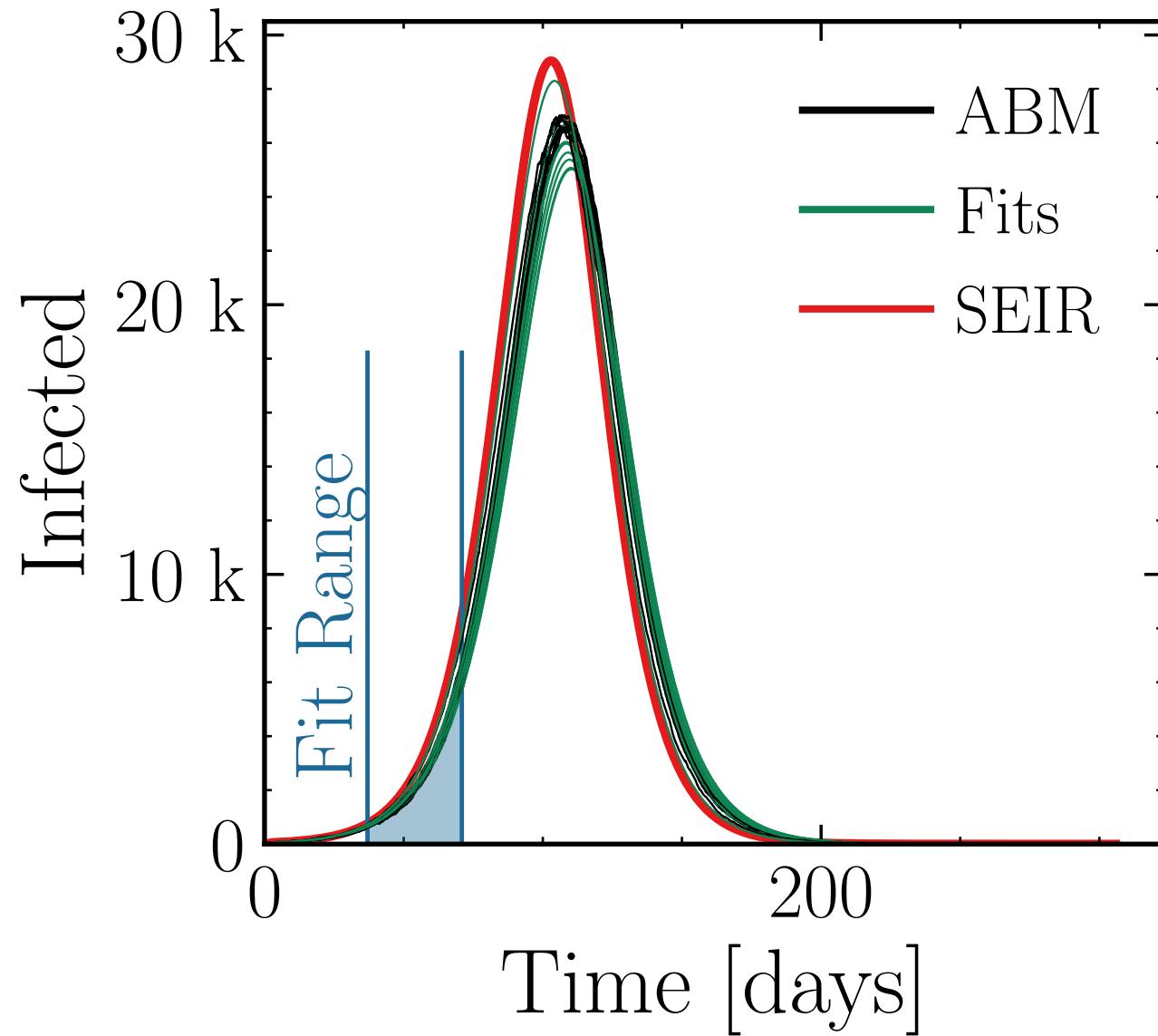
$\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β scaling} = 10.0, event_{weekendmultiplier} = 1.0

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

$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{ABM}}^{\text{max}}} = 0.98 \pm 0.01$ v. = 1.0, hash = 84c4c022c5, #10 $R_{\infty}^{\text{fit}} = (358 \pm 0.43\%) \cdot 10^3$

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



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

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

$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

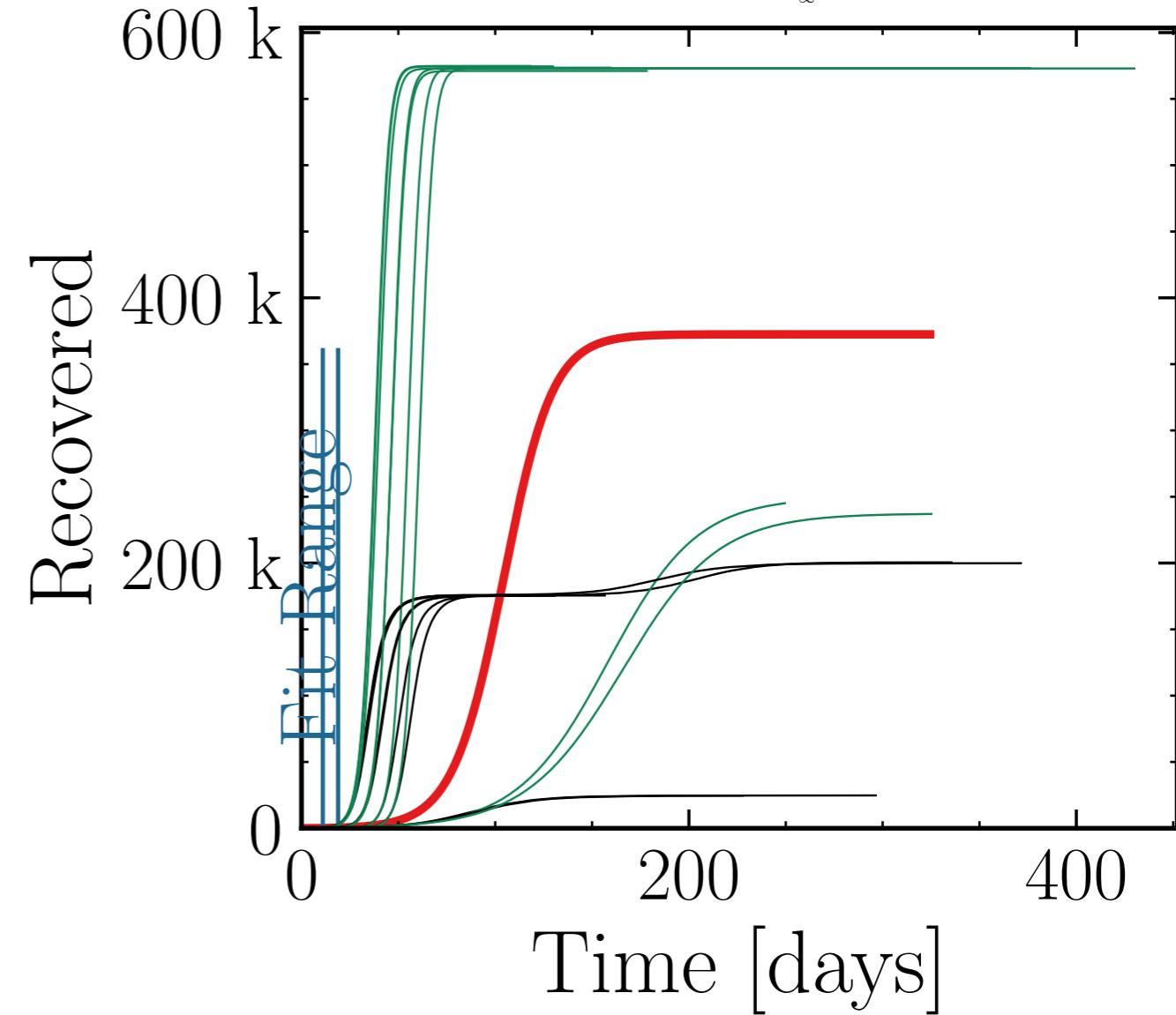
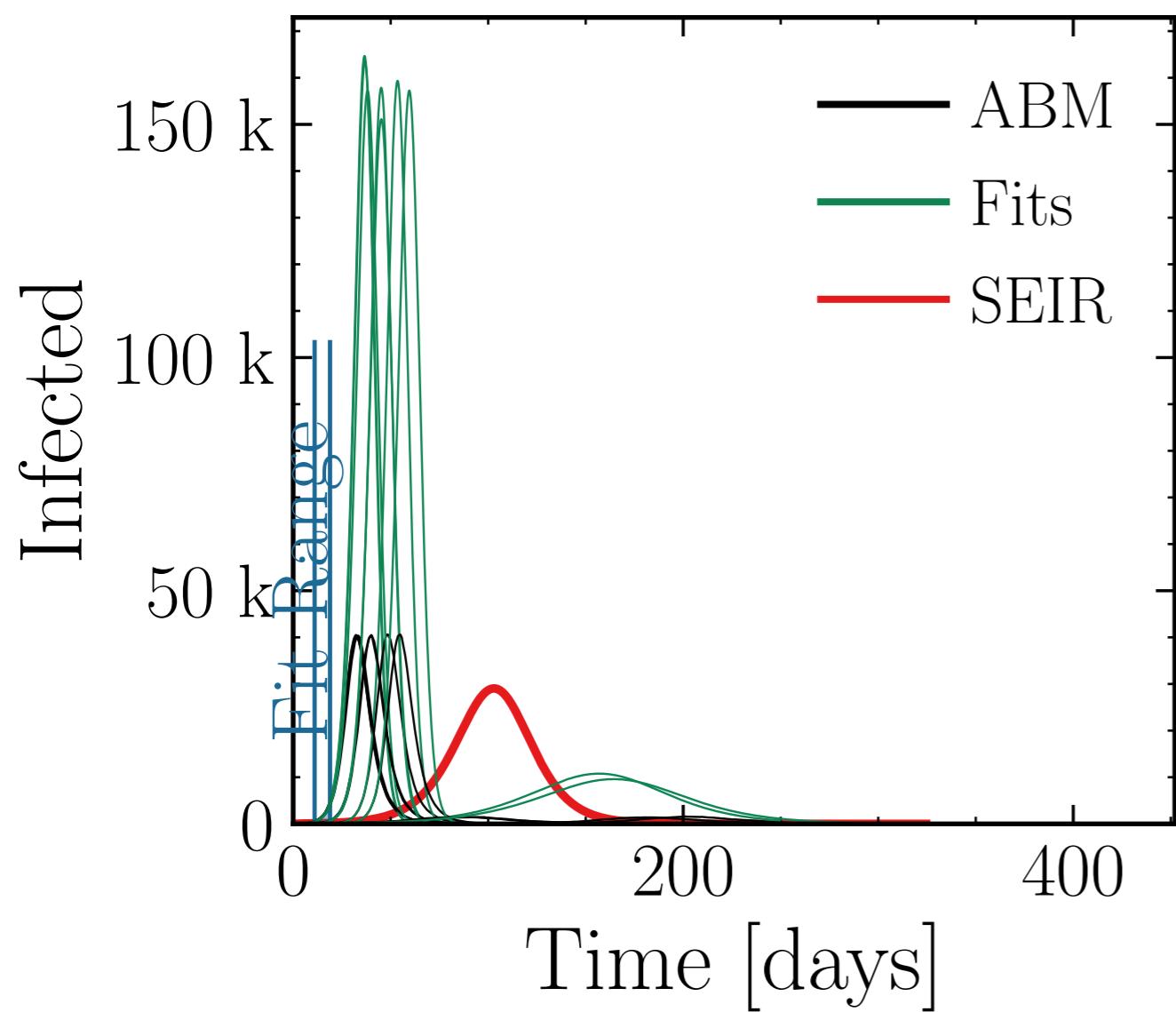
$I_{\text{max}}^{\text{fit}} = (130 \pm 1.6e + 01\%) \cdot 10^3$

$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 4.5 \pm 0.39$

v. = 1.0, hash = dbabec3343, #9

$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{fit}}} = (500 \pm 9.1\%) \cdot 10^3$

$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{fit}}} = 4.6 \pm 0.93$



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

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

$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

$$I_{\text{max}}^{\text{fit}} = (139 \pm 4.7\%) \cdot 10^3$$

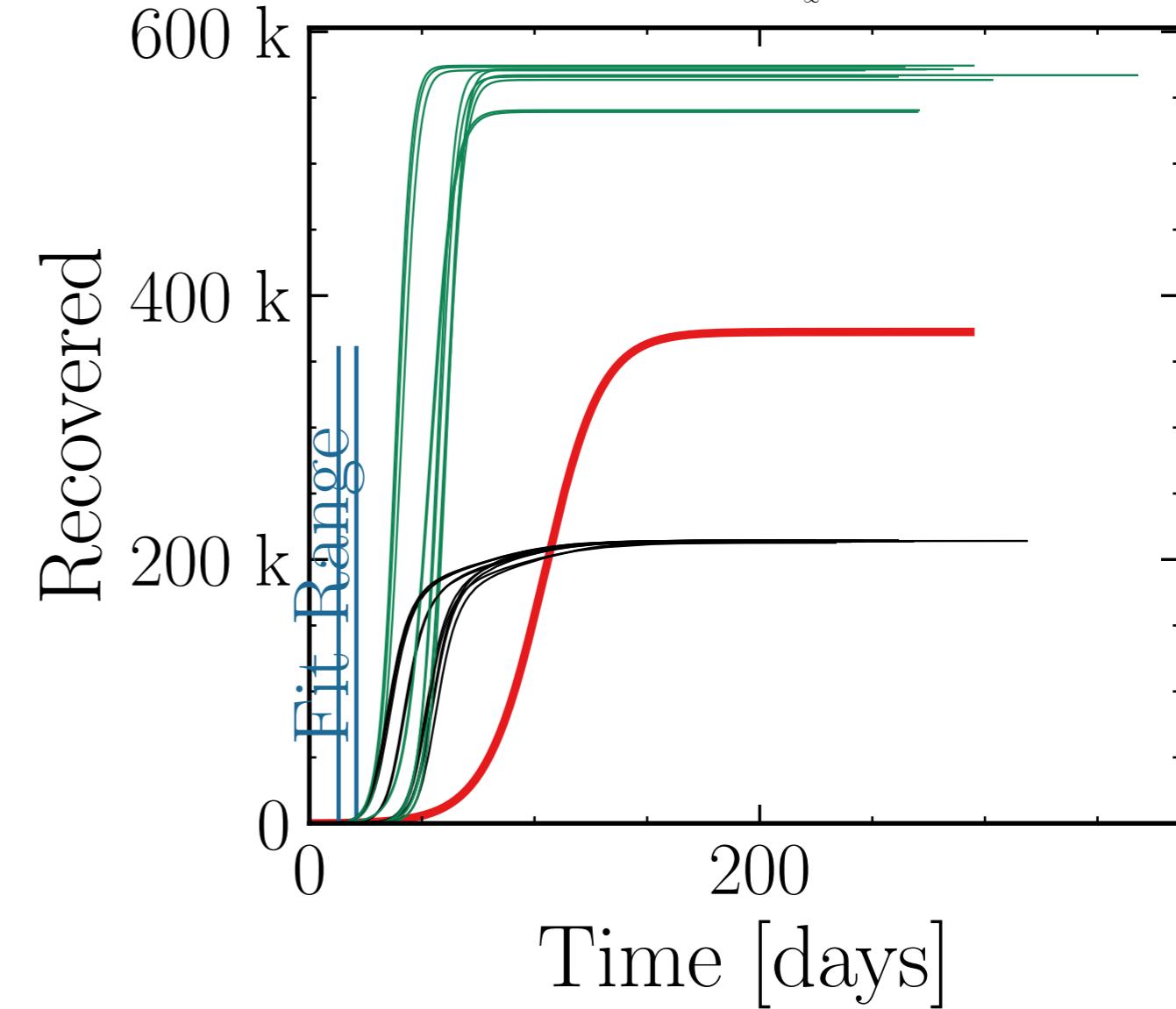
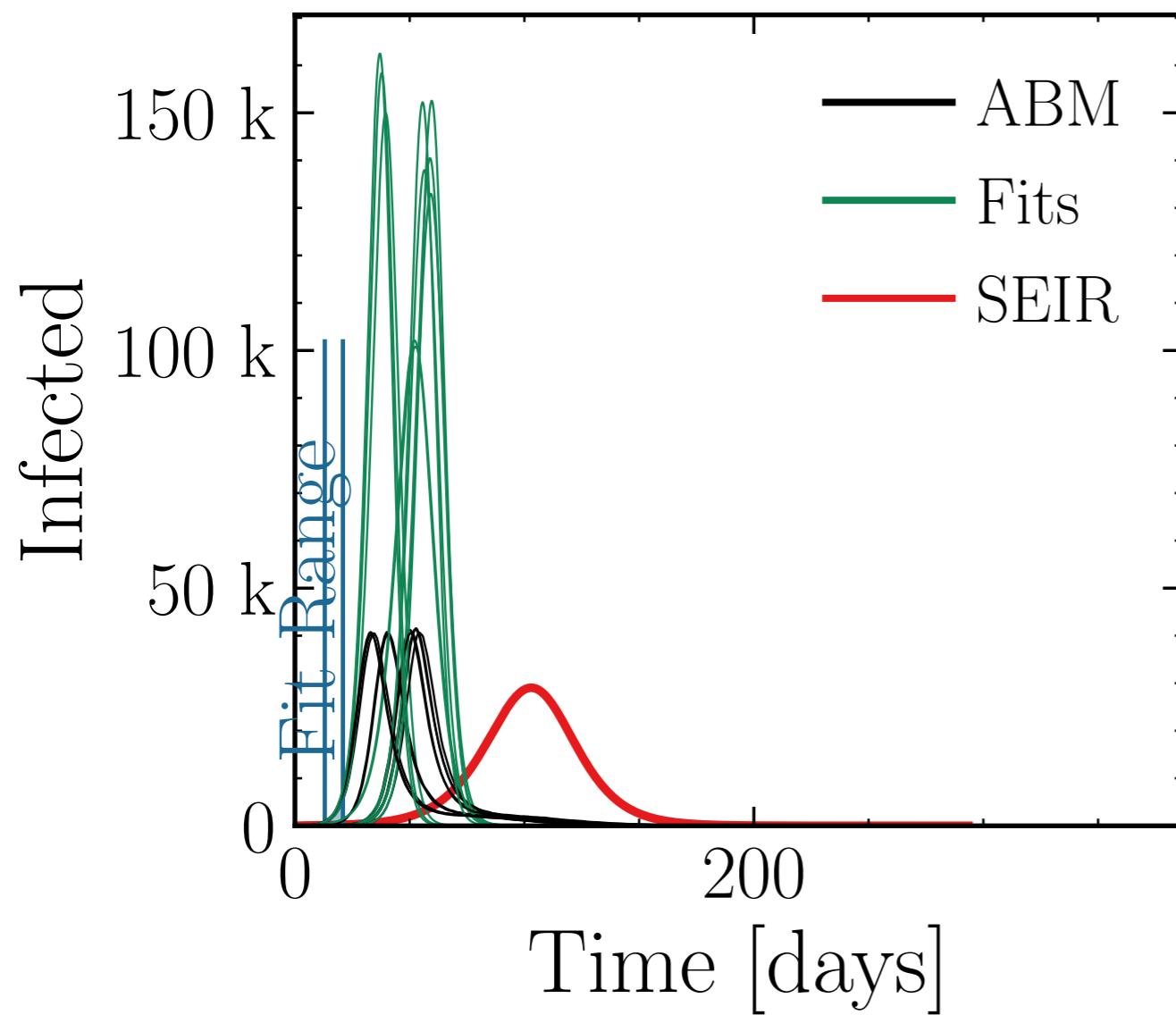
$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 3.4 \pm 0.16$$

$$v. = 1.0$$

$$\text{hash} = 5b5a9558ba, \#10$$

$$R_{\infty}^{\text{fit}} = (564 \pm 0.69\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 2.63 \pm 0.019$$



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

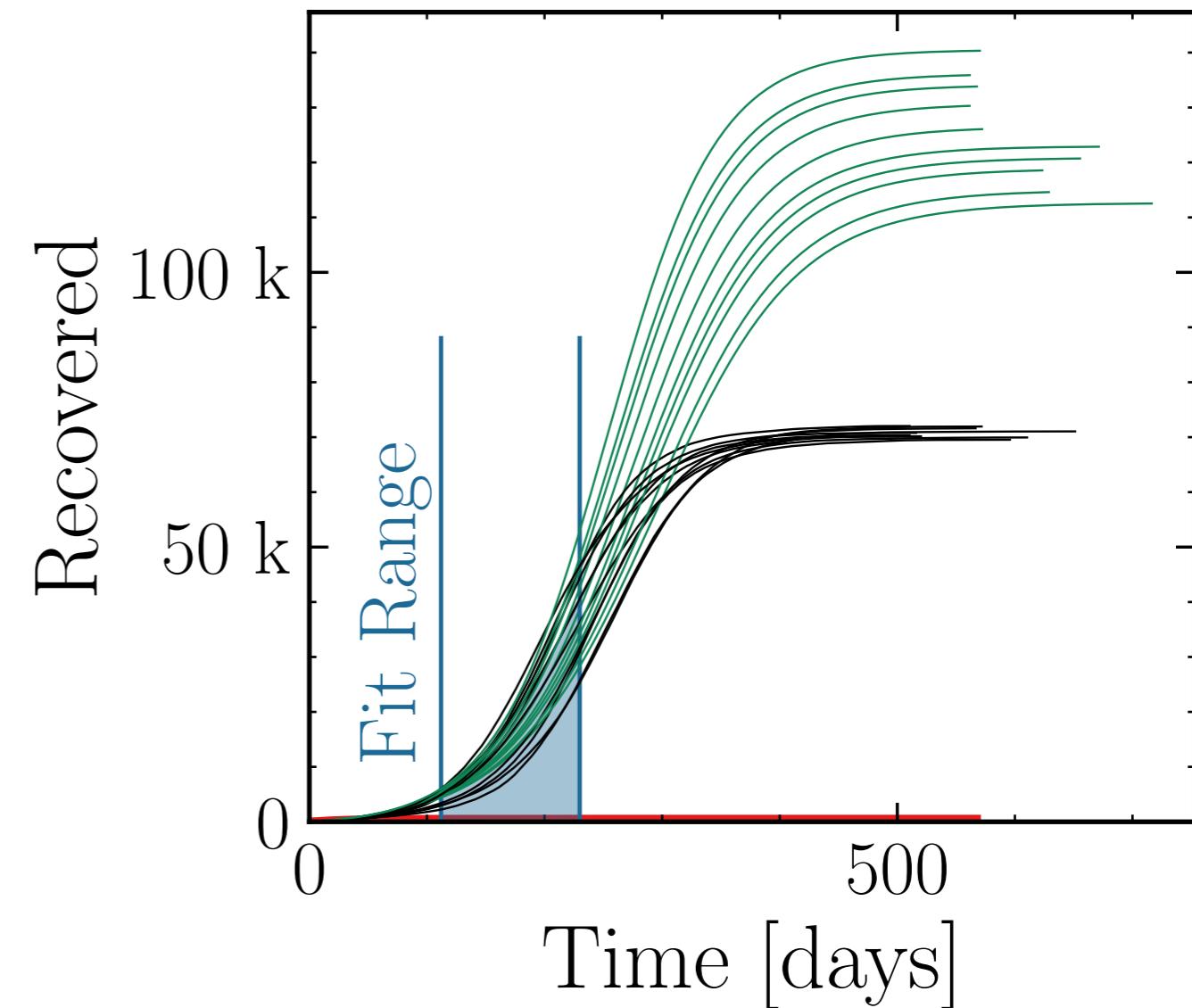
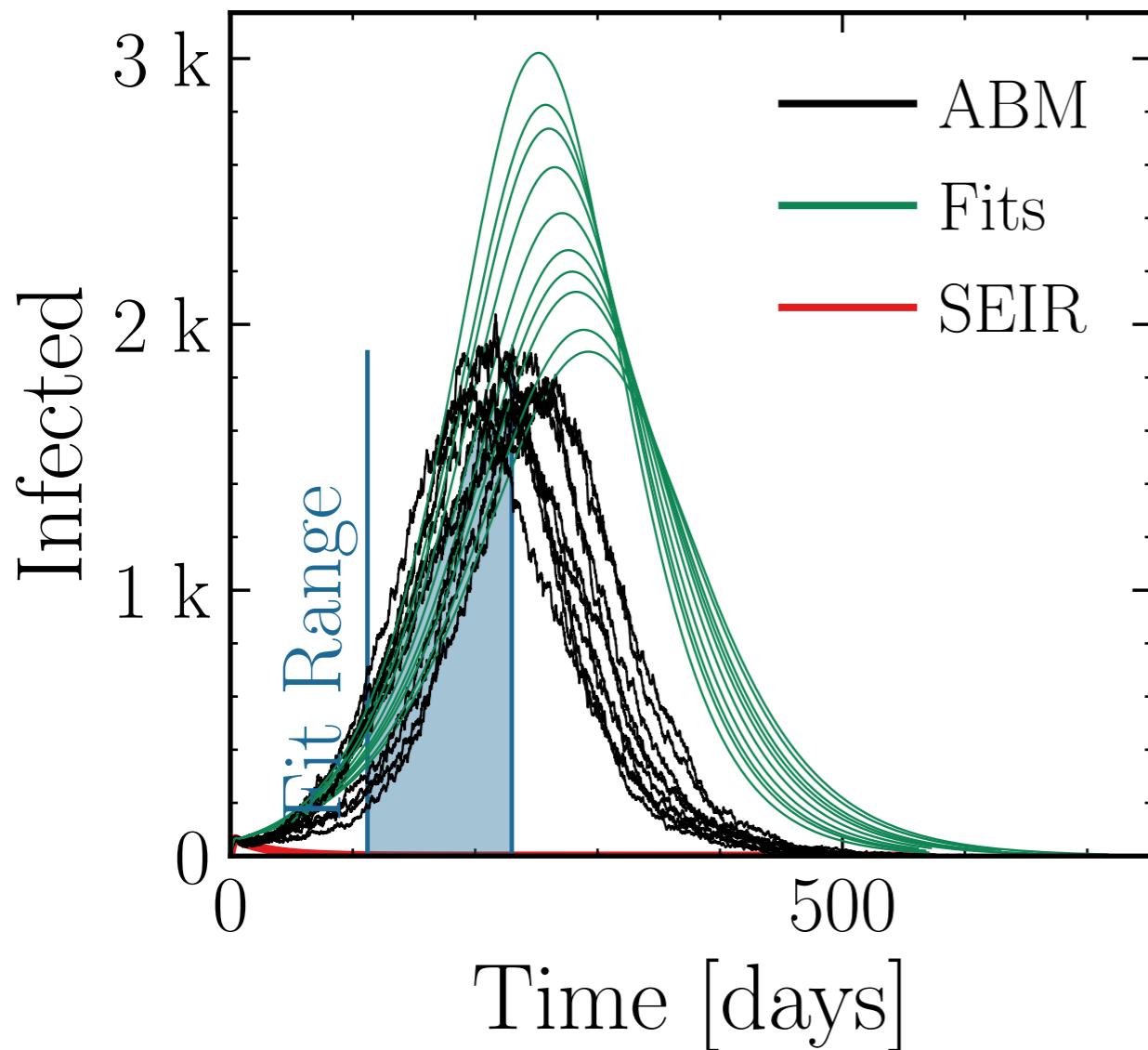
$\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β scaling} = 10.0, event_{weekendmultiplier} = 1.0

$I_{\text{max}}^{\text{fit}} = (2.4 \pm 4.7\%) \cdot 10^3$

$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1.32 \pm 0.060$ v. = 1.0, hash = 2d99e5f5cf_{#10} $R_{\infty}^{\text{fit}} = (126 \pm 2.2\%) \cdot 10^3$

$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.78 \pm 0.041$



$N_{\text{tot}} = 580K$, $\rho = 0.05$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.005$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$

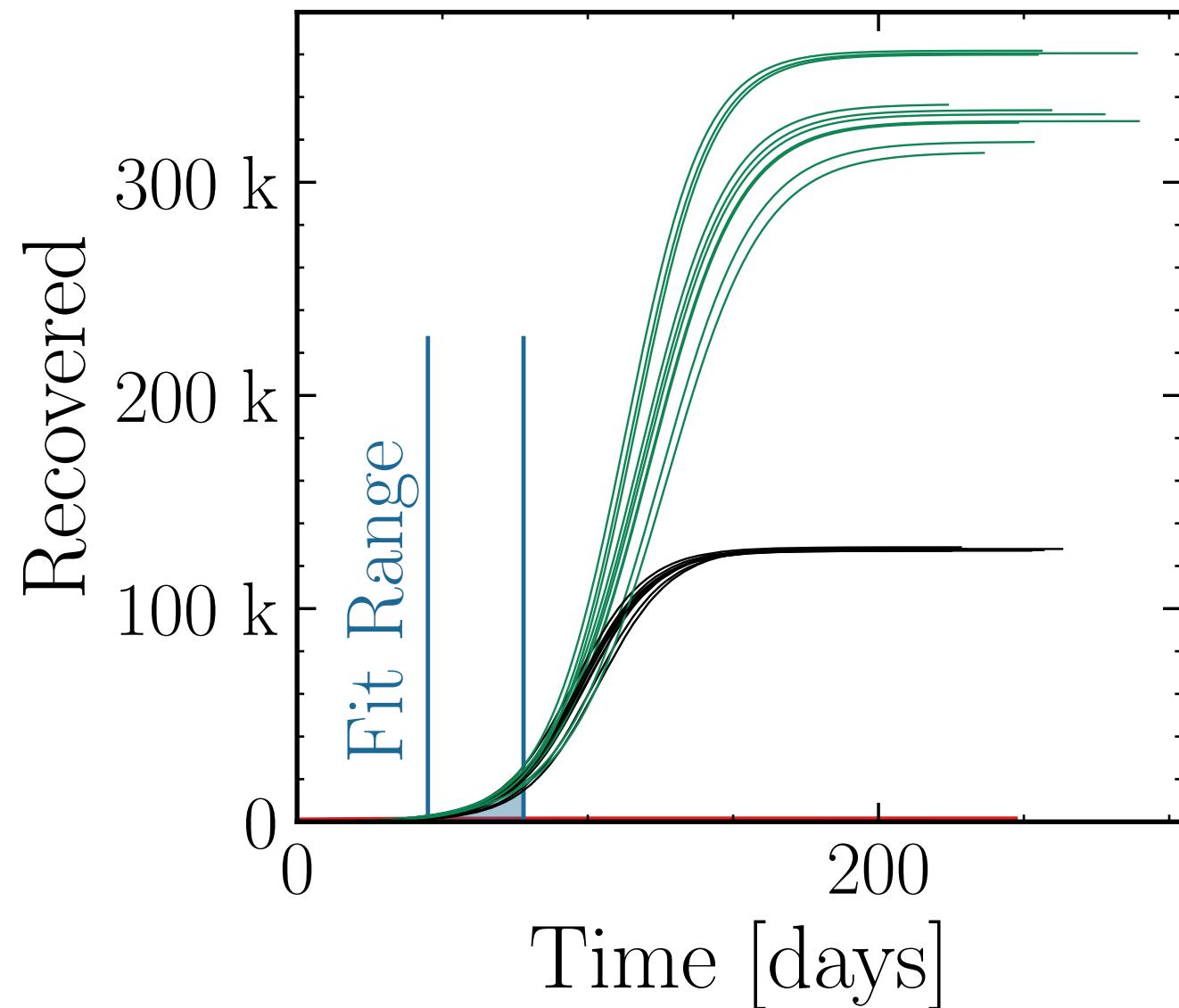
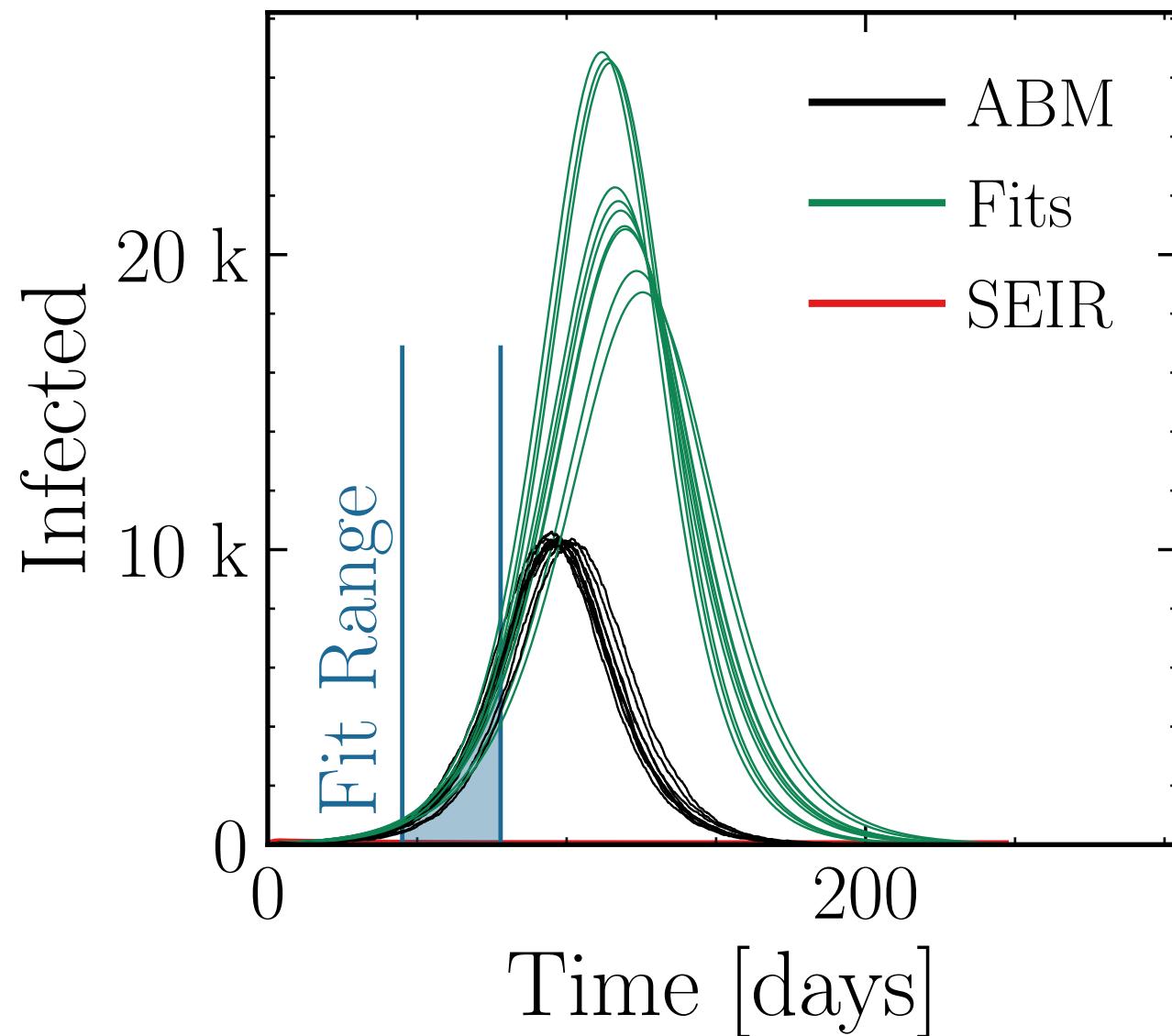
$\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

$$I_{\text{max}}^{\text{fit}} = (22.6 \pm 4.0\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{ABM}}^{\text{fit}}} = 2.18 \pm 0.091 \quad v. = 1.0, \text{ hash} = 4f4513958f \#10, R_{\infty}^{\text{fit}} \#(337 \pm 1.5\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 2.64 \pm 0.042$$



$N_{\text{tot}} = 580K$, $\rho = 0.075$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.005$, $\sigma_\beta = 0.0$, 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_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

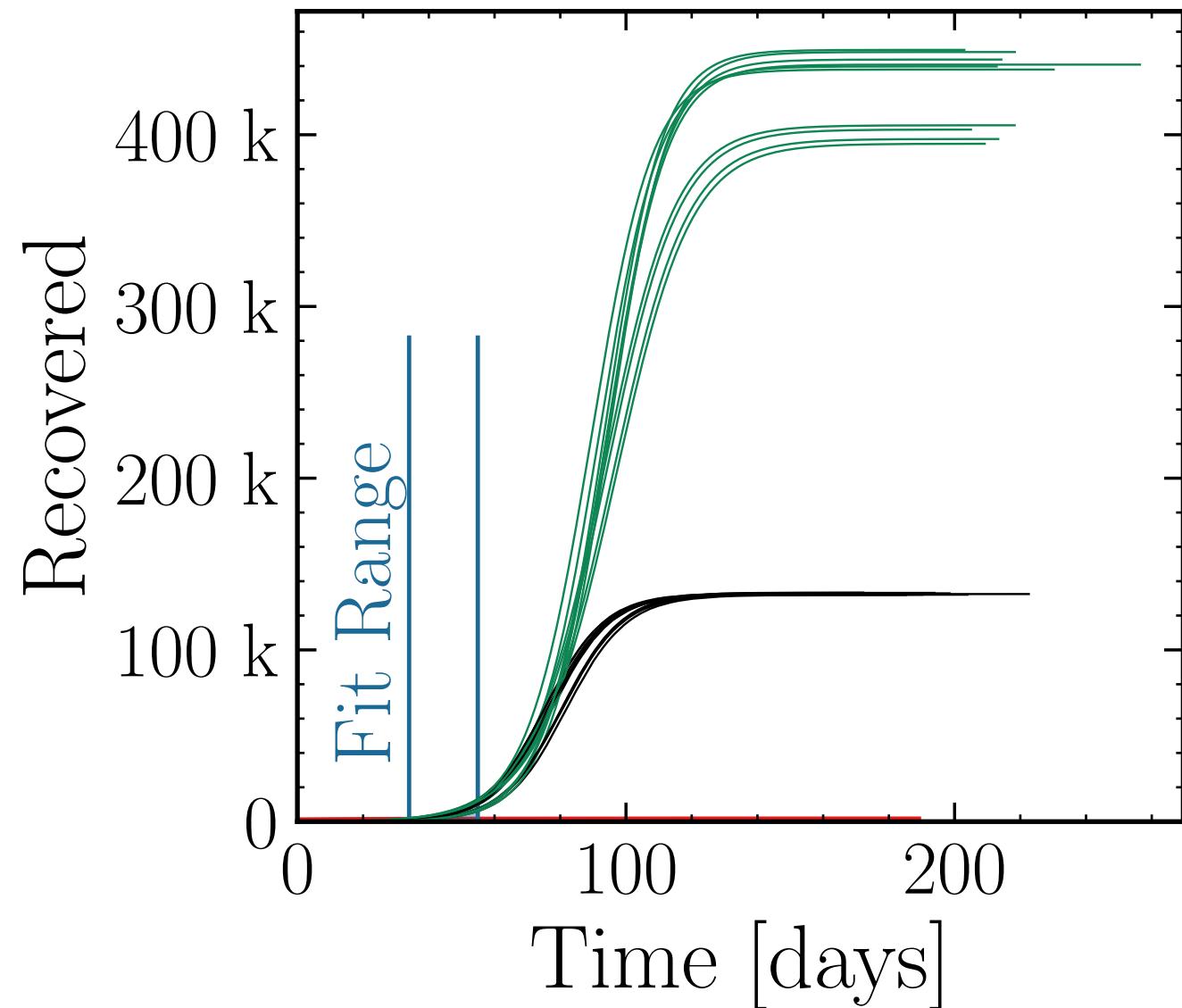
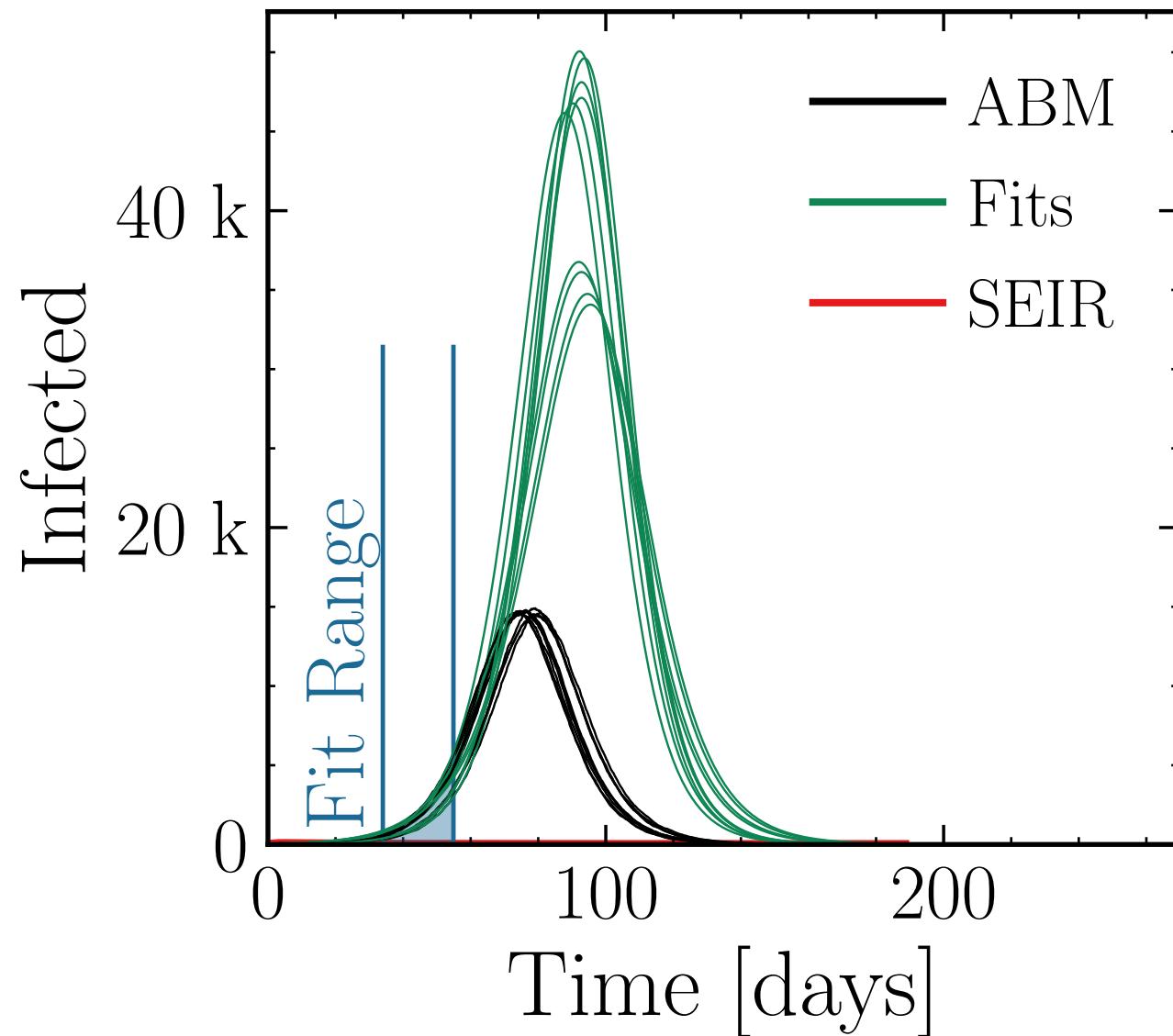
$$I_{\text{max}}^{\text{fit}} = (43 \pm 4.6\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 2.9 \pm 0.14$$

$$\text{v.} = 1.0, \text{hash} = 2da0eb8285$$

$$R_{\infty}^{\text{fit}} = (426 \pm 1.6\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 3.21 \pm 0.052$$



$N_{\text{tot}} = 580K$, $\rho = 0.15$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.005$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$

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

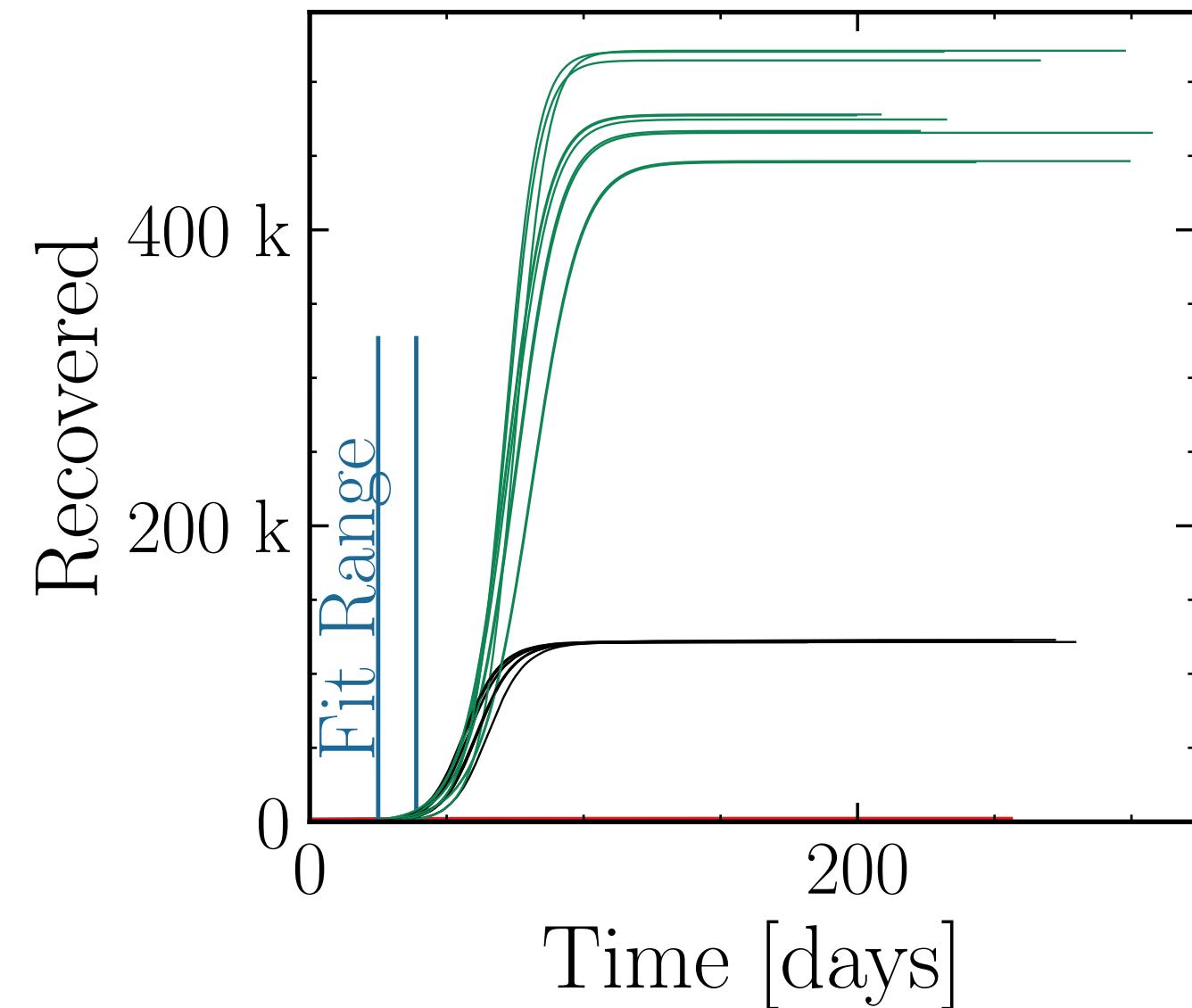
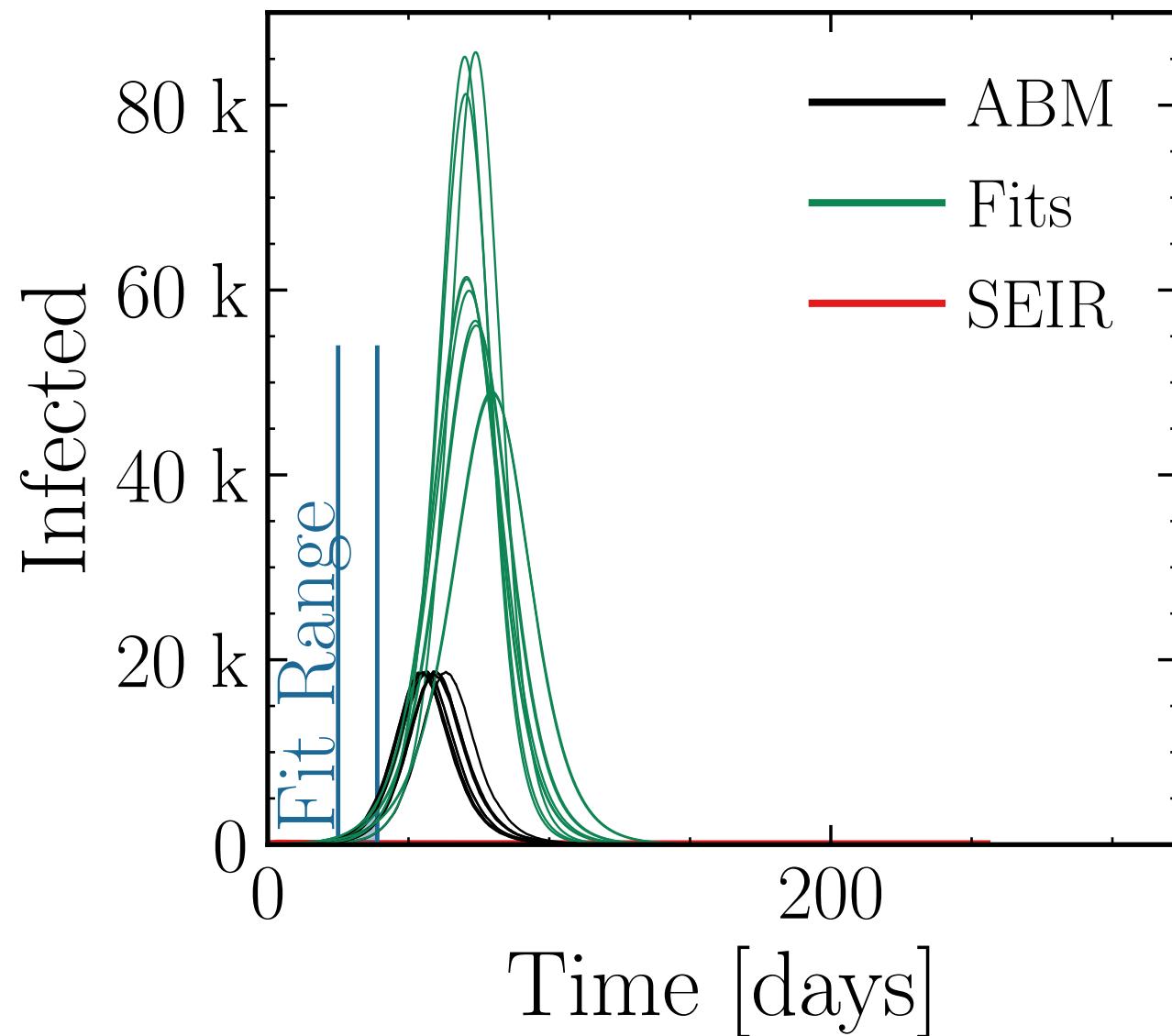
$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

$$I_{\text{max}}^{\text{fit}} = (65 \pm 6.6\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 3.5 \pm 0.23$$

$$\text{v.} = 1.0, \text{hash} = \text{ebe416300f} \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (481 \pm 1.8\%) \cdot 10^3$$



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

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

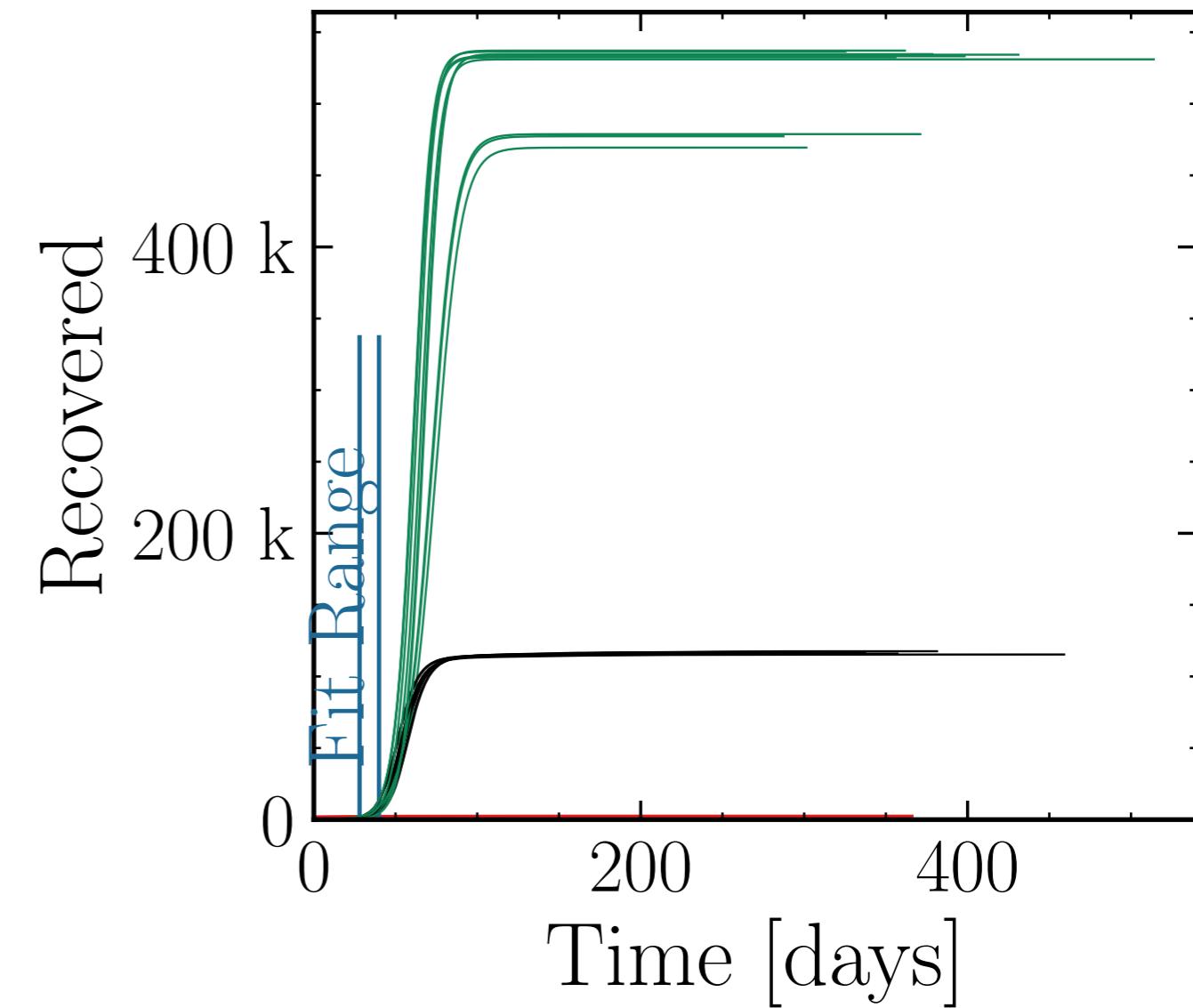
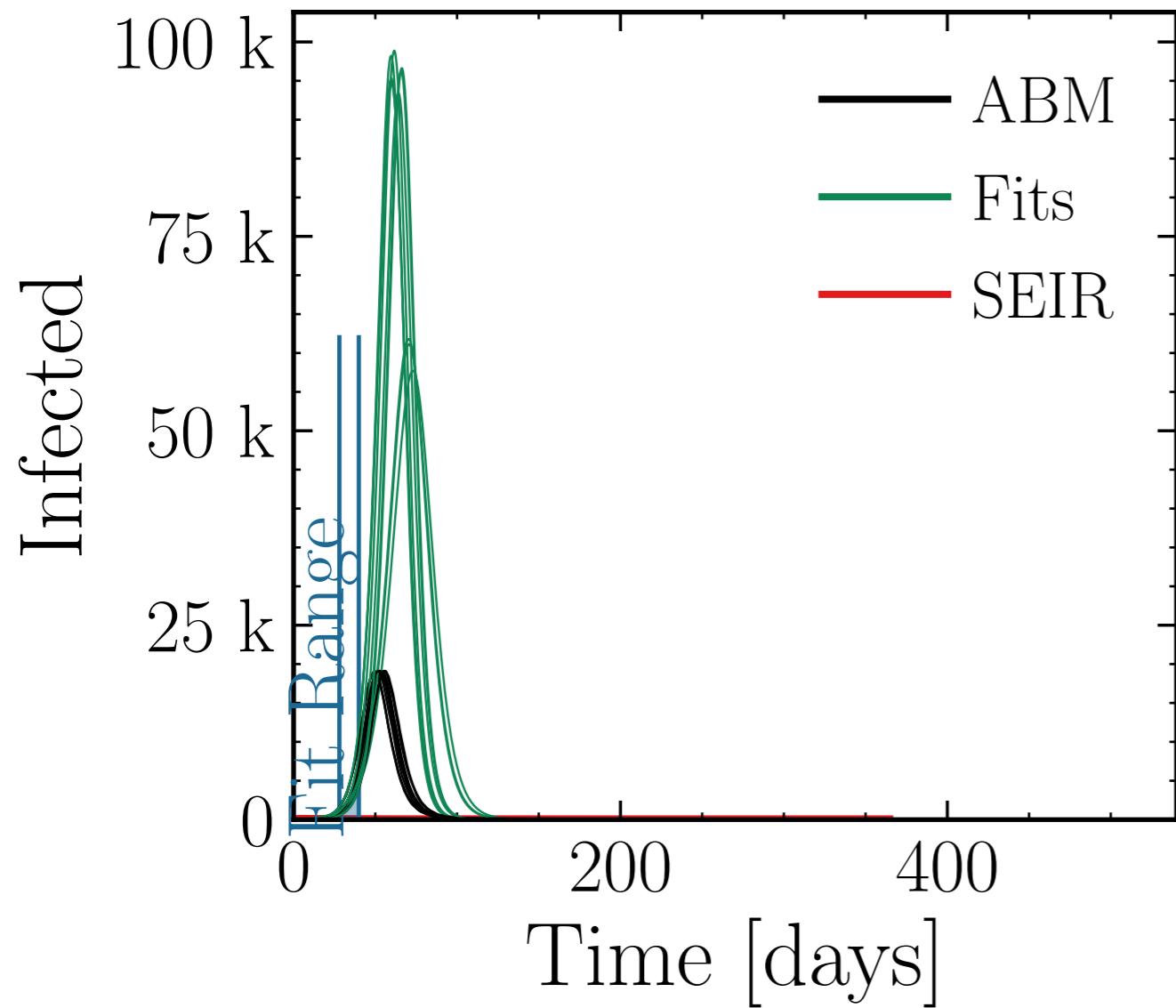
$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

$$I_{\text{max}}^{\text{fit}} = (85 \pm 6.1\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 4.5 \pm 0.28$$

$$\text{v.} = 1.0, \text{hash} = 3a603672b3\#10, R_{\infty}^{\text{fit}} = (517 \pm 1.7\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 4.44 \pm 0.073$$



$N_{\text{tot}} = 580K$, $\rho = 0.25$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.005$, $\sigma_\beta = 0.0$, 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_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

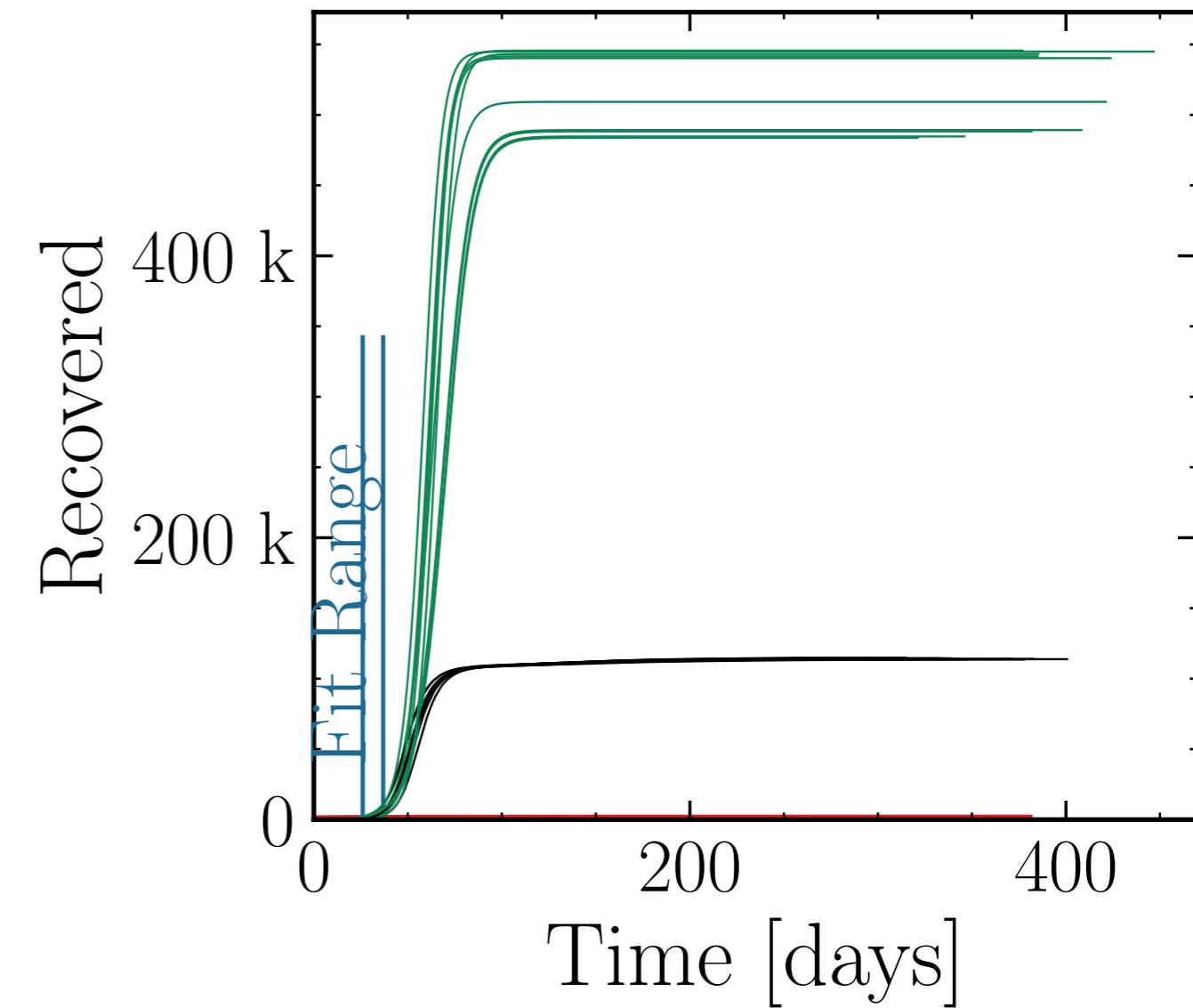
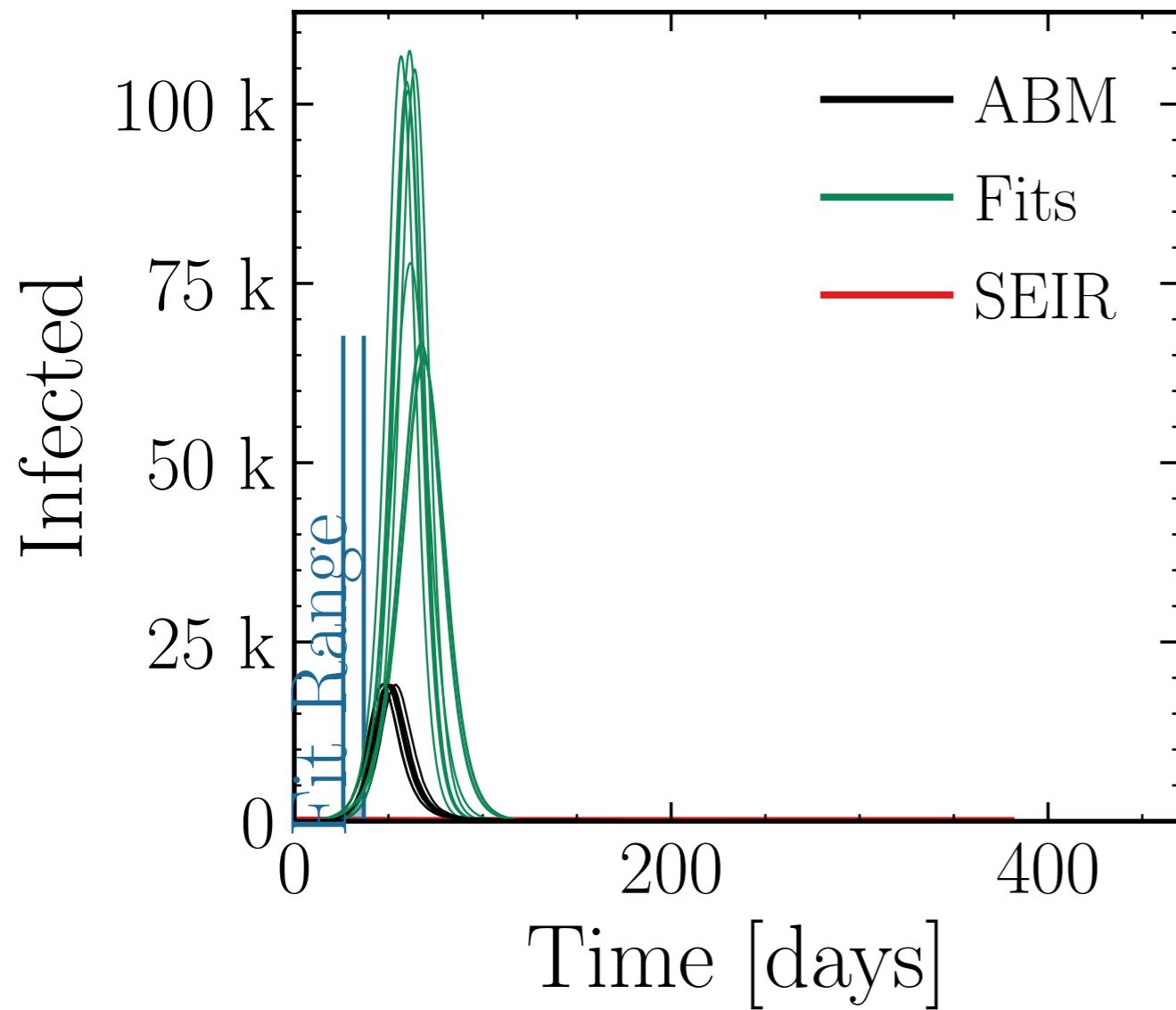
$$I_{\text{max}}^{\text{fit}} = (86 \pm 6.9\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 4.6 \pm 0.31$$

$$v. = 1.0, \text{hash} = 09e0ecffd6 \#10$$

$$R_{\infty}^{\text{fit}} \#10 = (517 \pm 1.6\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 4.53 \pm 0.075$$



$N_{\text{tot}} = 580K$, $\rho = 0.3$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.005$, $\sigma_\beta = 0.0$, 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_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β scaling} = 10.0, event_{weekendmultiplier} = 1.0

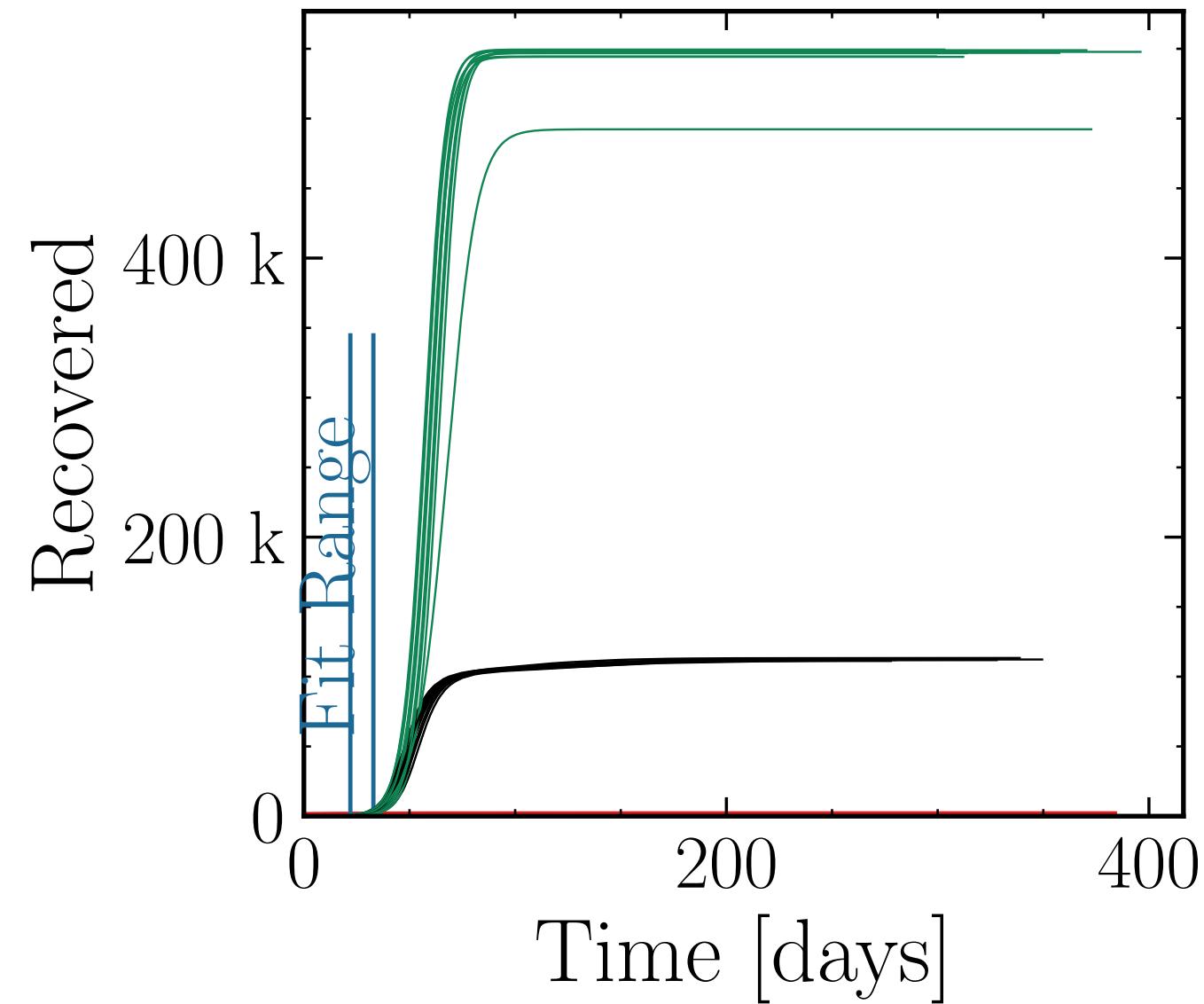
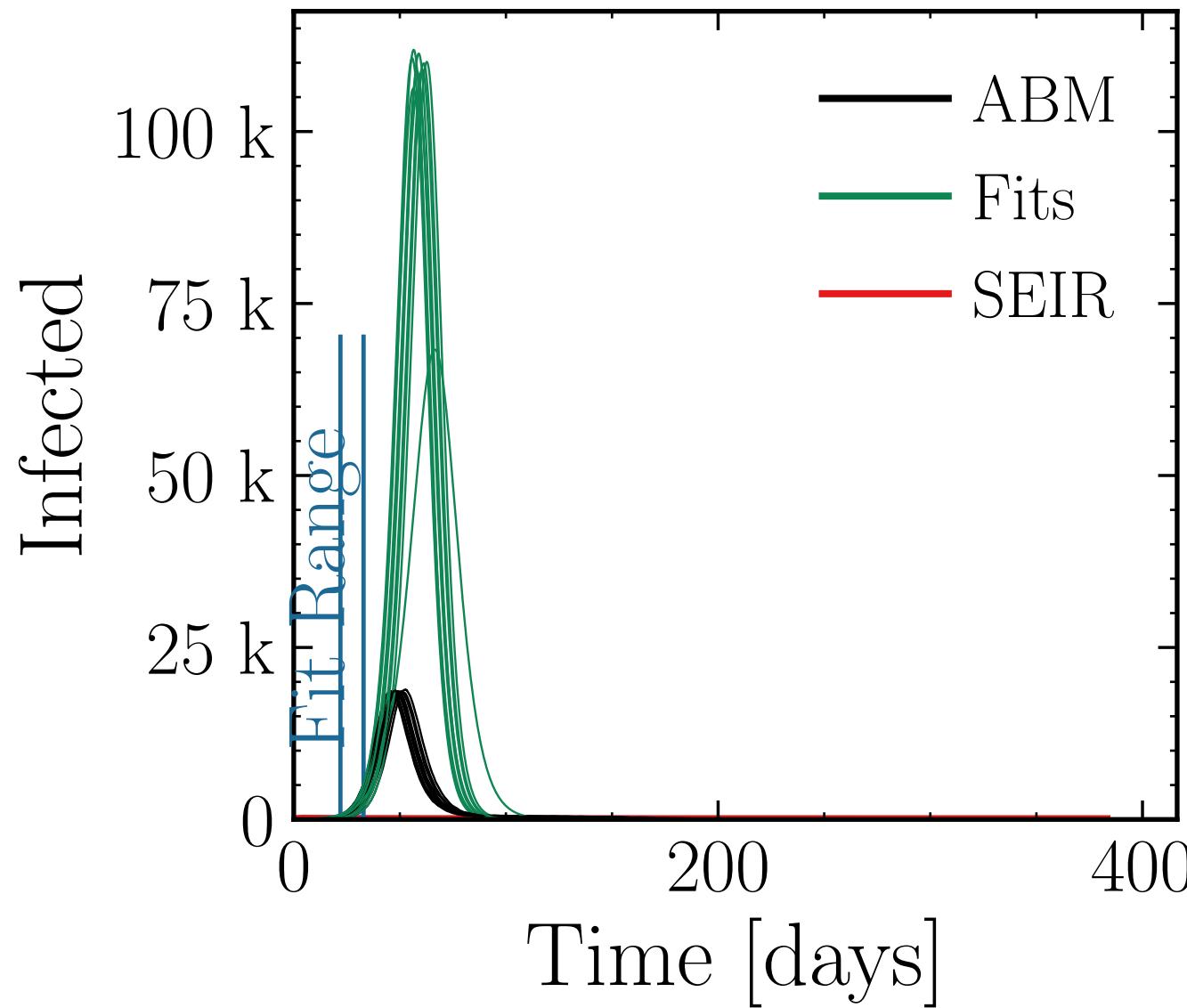
$$I_{\text{max}}^{\text{fit}} = (105 \pm 3.7\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 5.6 \pm 0.21$$

$$\nu = 1.0, \text{hash} = 29800430f9, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (542 \pm 0.97\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 4.83 \pm 0.052$$



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

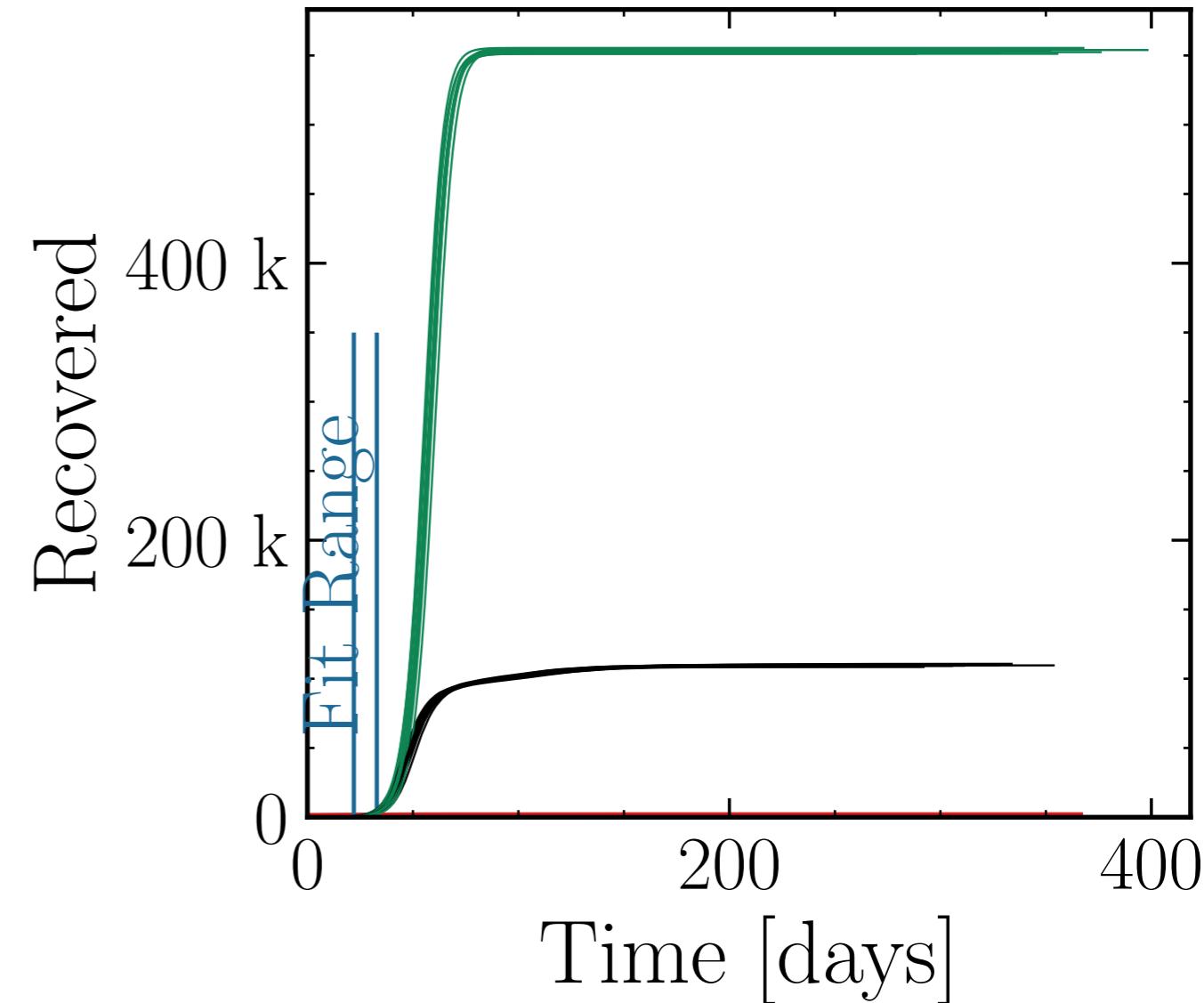
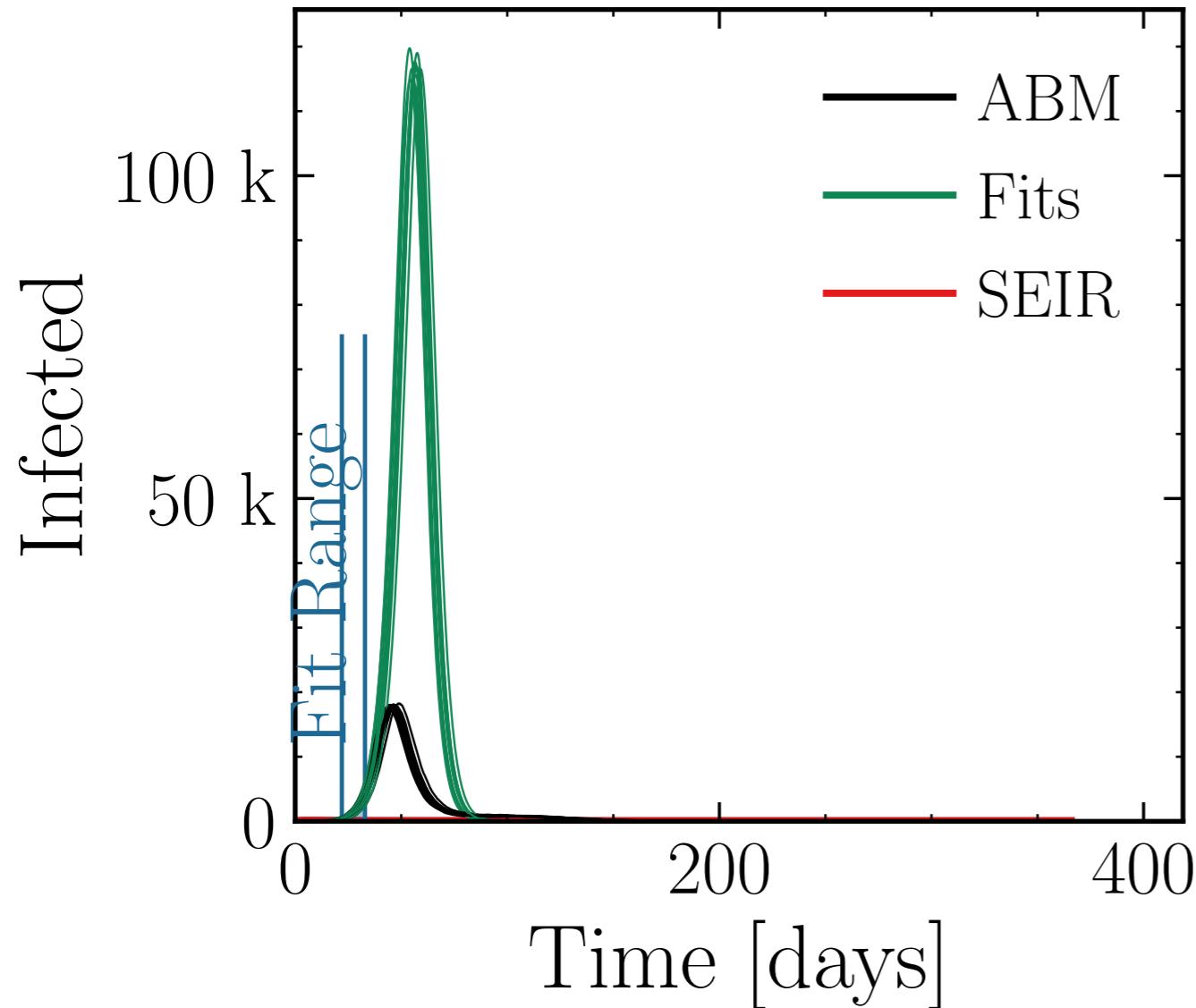
$\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{connect}}^{\text{retries}} = 0$

$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β scaling} = 10.0, event_{weekendmultiplier} = 1.0

$$I_{\text{max}}^{\text{fit}} = (116.5 \pm 0.5\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 6.47 \pm 0.035 \quad v. = 1.0, \text{hash} = 382294a5b2, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (553 \pm 0.098\%) \cdot 10^3 \quad \frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 5.043 \pm 0.0098$$



$N_{\text{tot}} = 580K$, $\rho = 0.5$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.005$, $\sigma_\beta = 0.0$, 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_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

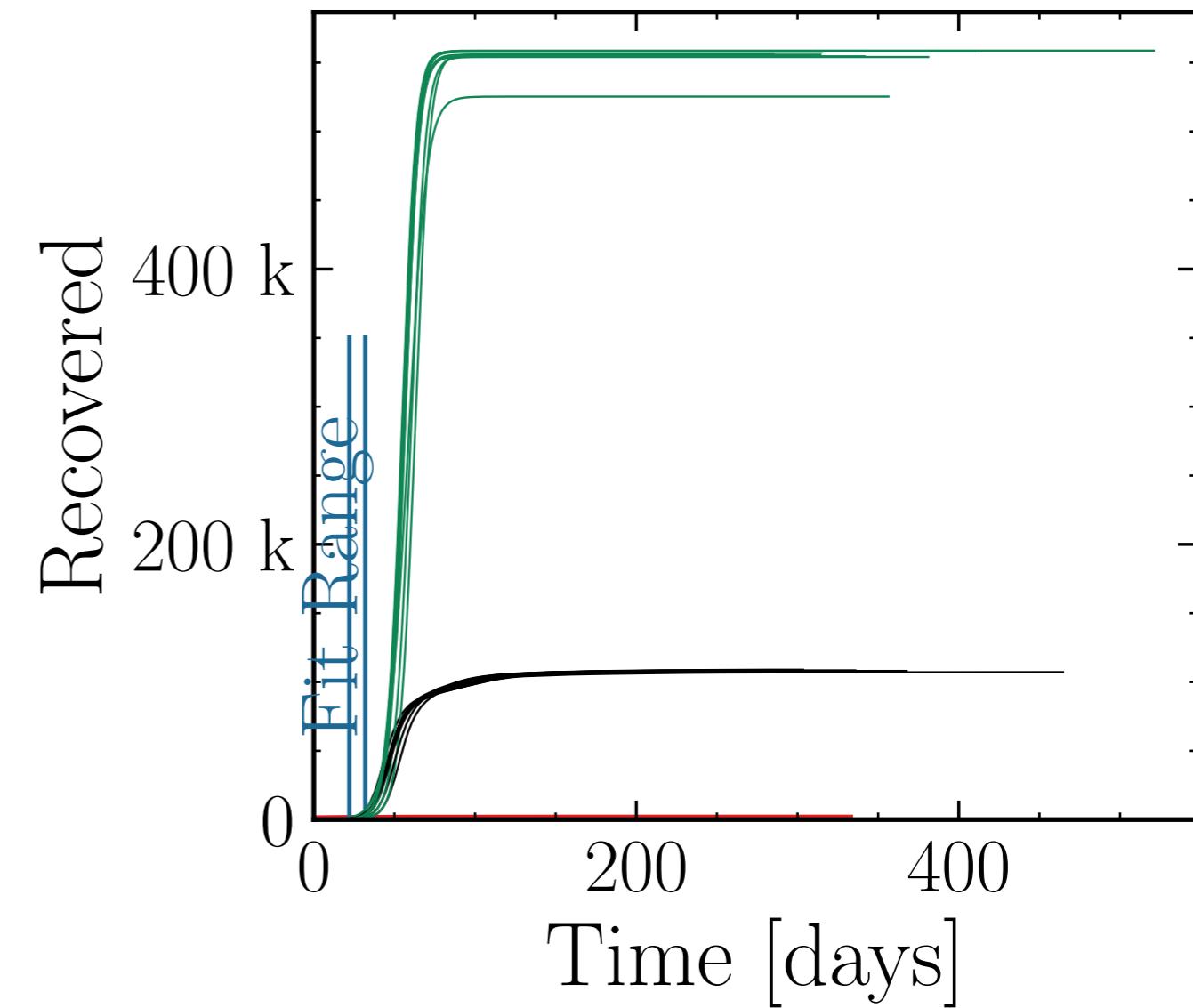
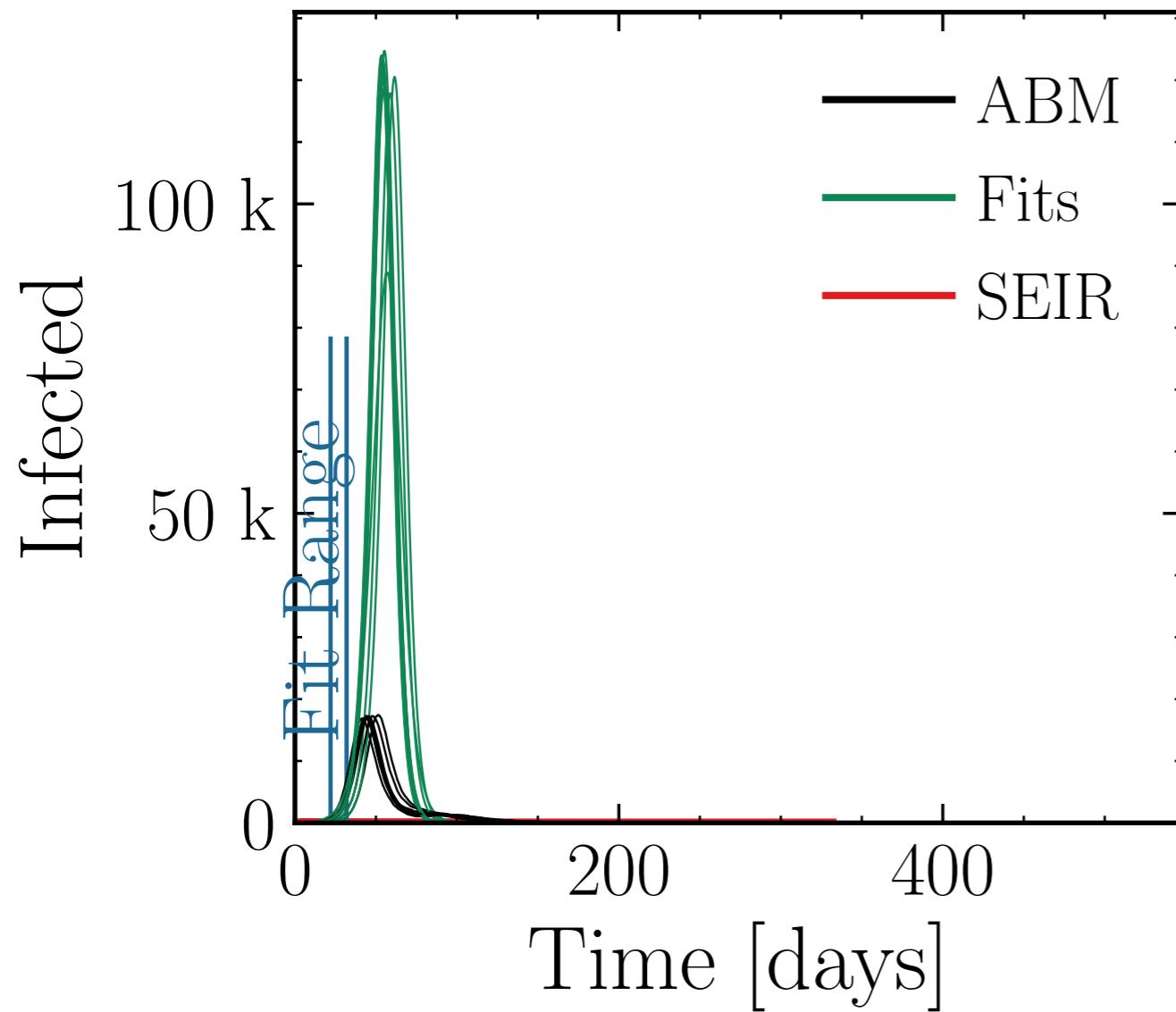
$$I_{\text{max}}^{\text{fit}} = (118 \pm 2.7\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 6.9 \pm 0.18$$

$$\text{v.} = 1.0, \text{hash} = \text{ca207efc12}$$

$$R_{\infty}^{\text{fit}} = (553 \pm 0.55\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 5.12 \pm 0.027$$



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

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

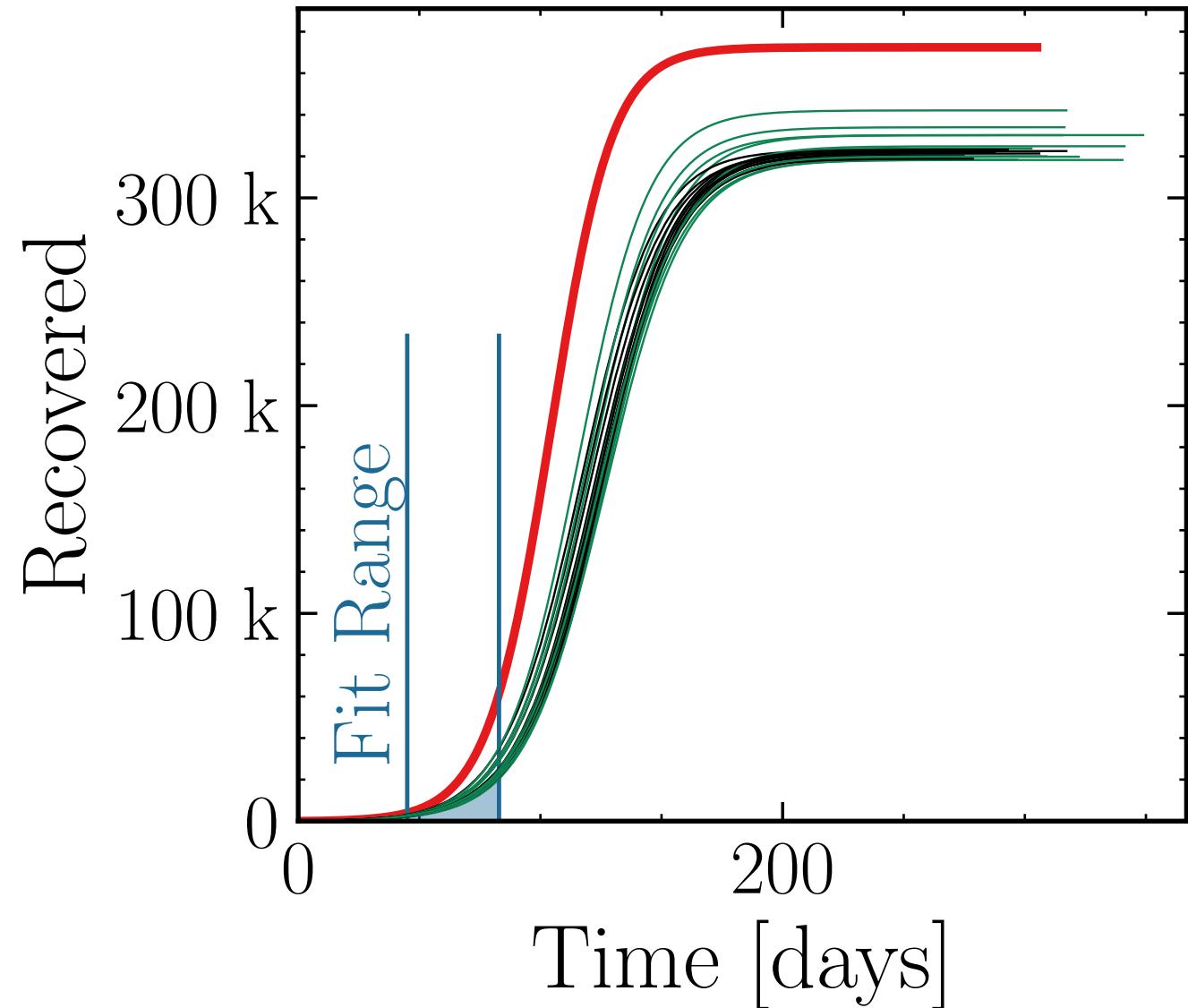
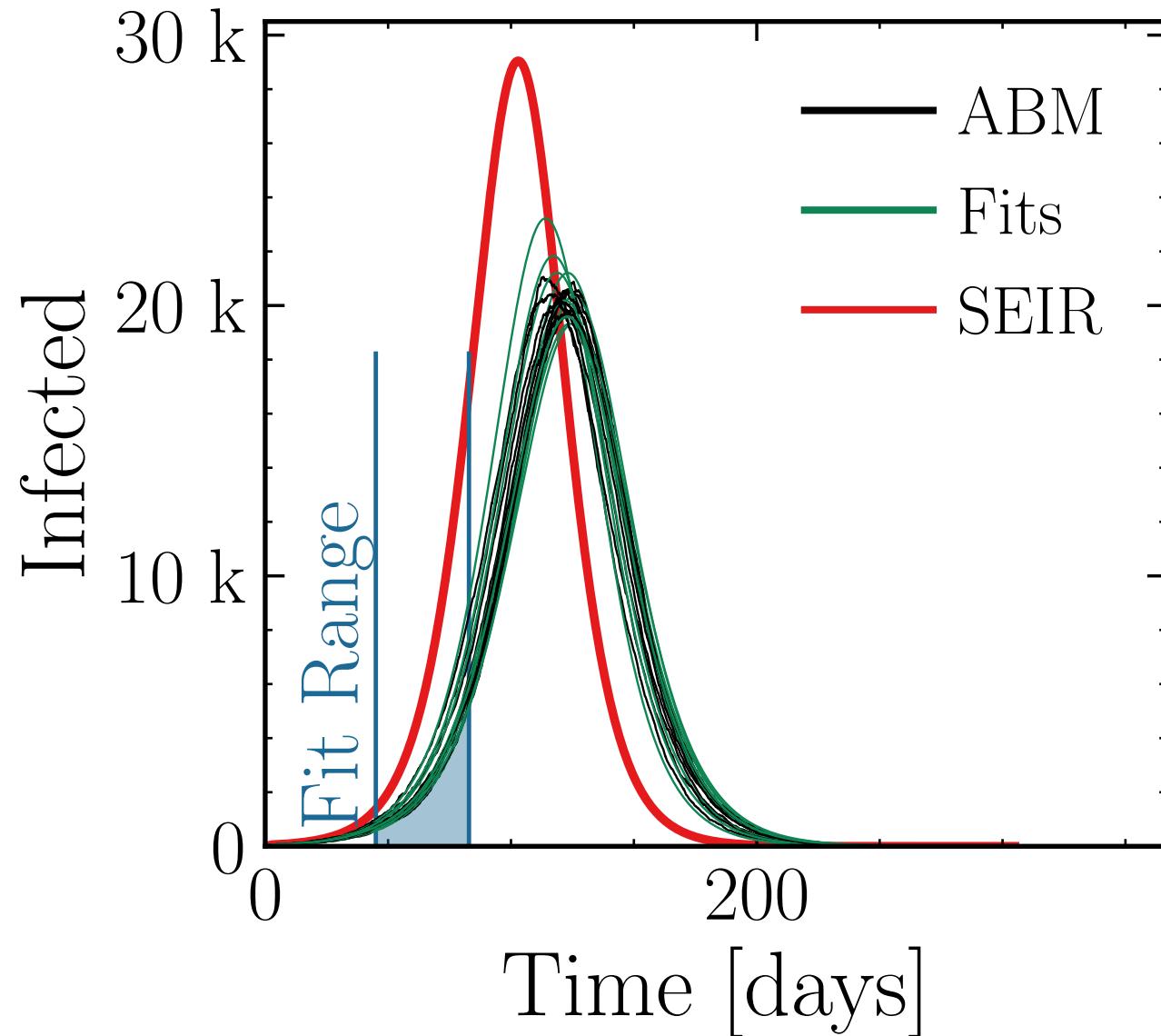
$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

$$I_{\text{max}}^{\text{fit}} = (20.6 \pm 1.9\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1.01 \pm 0.016 \quad v. = 1.0, \text{ hash} = 55bef4b8c7, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{fit}}} = (326 \pm 0.73\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{fit}}} = 1.014 \pm 0.0067$$



$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 20.0$, $\sigma_\mu = 0.0$, $\beta = 0.02$, $\sigma_\beta = 0.0$, 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_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

$$I_{\text{max}}^{\text{fit}} = (24.5 \pm 0.71\%) \cdot 10^3$$

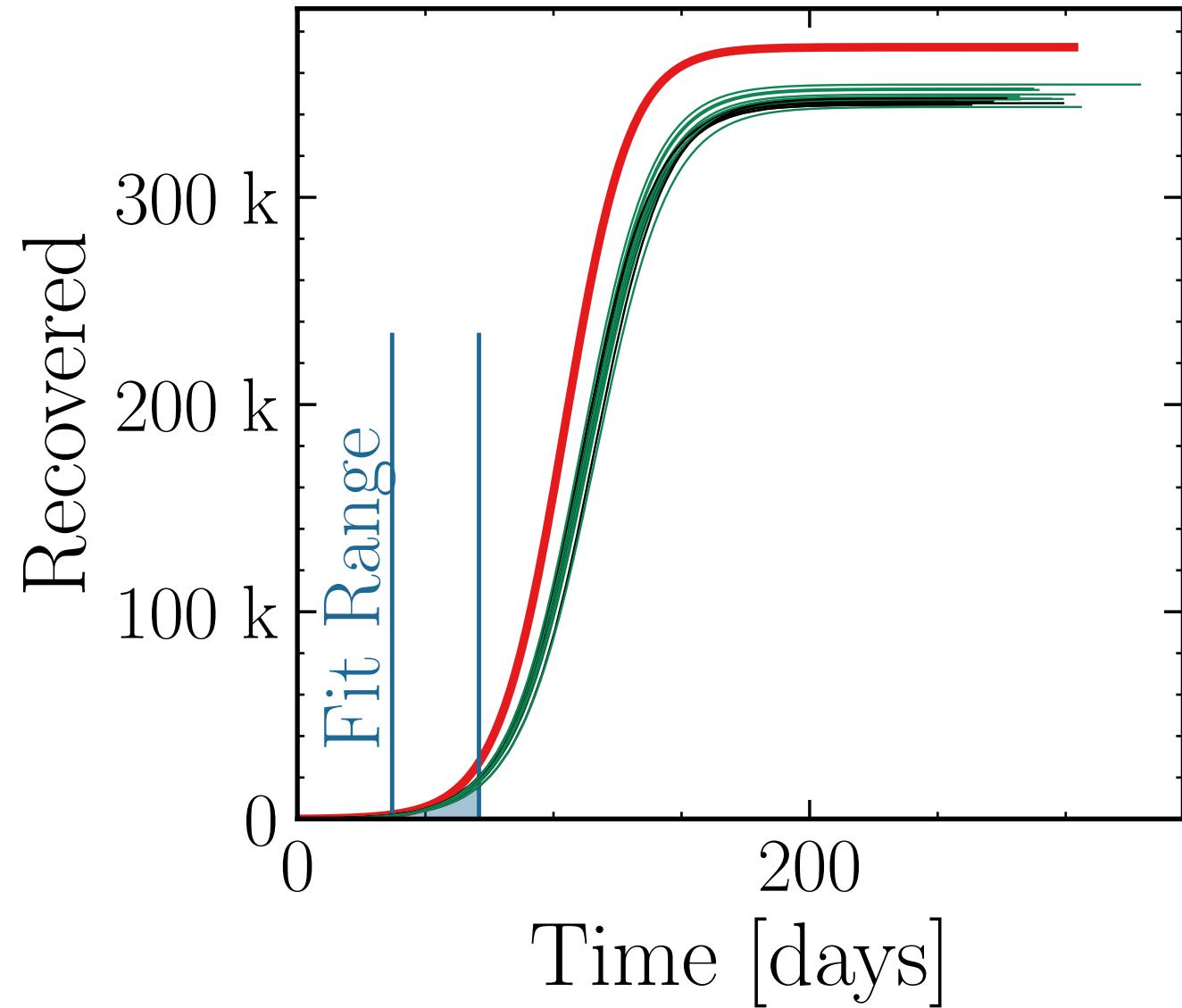
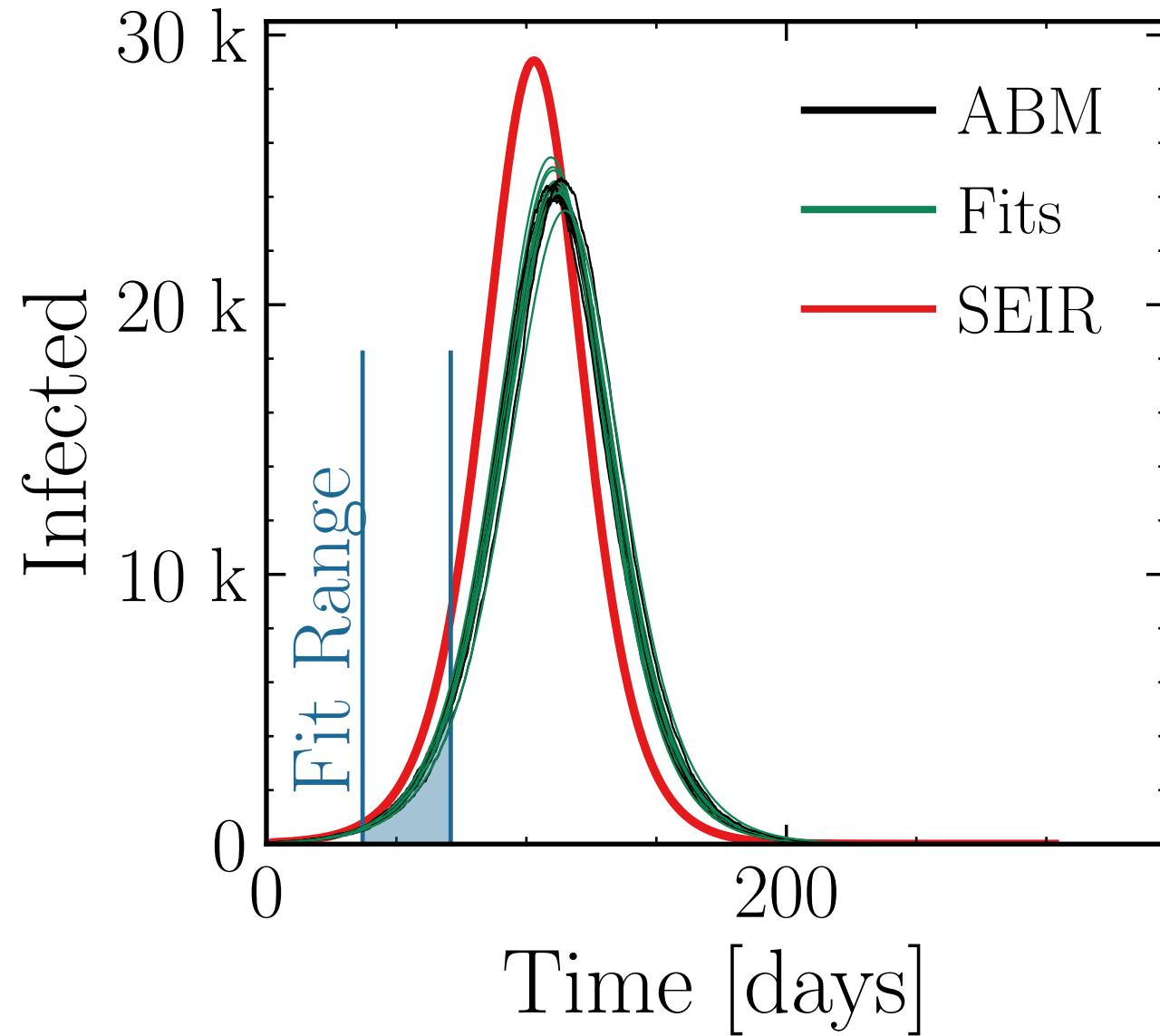
$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{ABM}}^{\text{max}}} = 1.006 \pm 0.0083$$

$$v. = 1.0$$

$$\text{hash} = \text{cc84797eb6}, \#10$$

$$R_{\infty}^{\text{fit}} = (349 \pm 0.28\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.007 \pm 0.0034$$



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

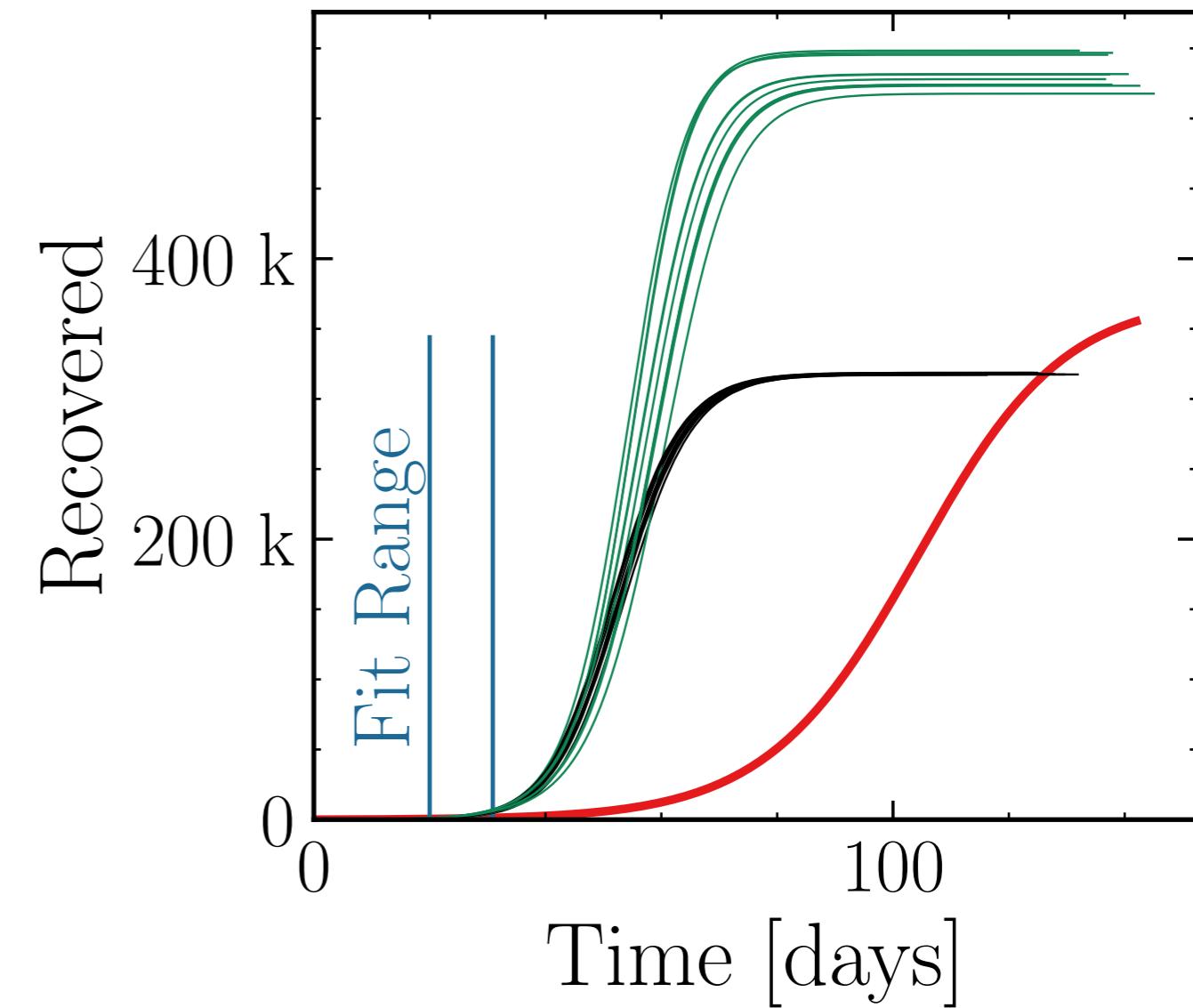
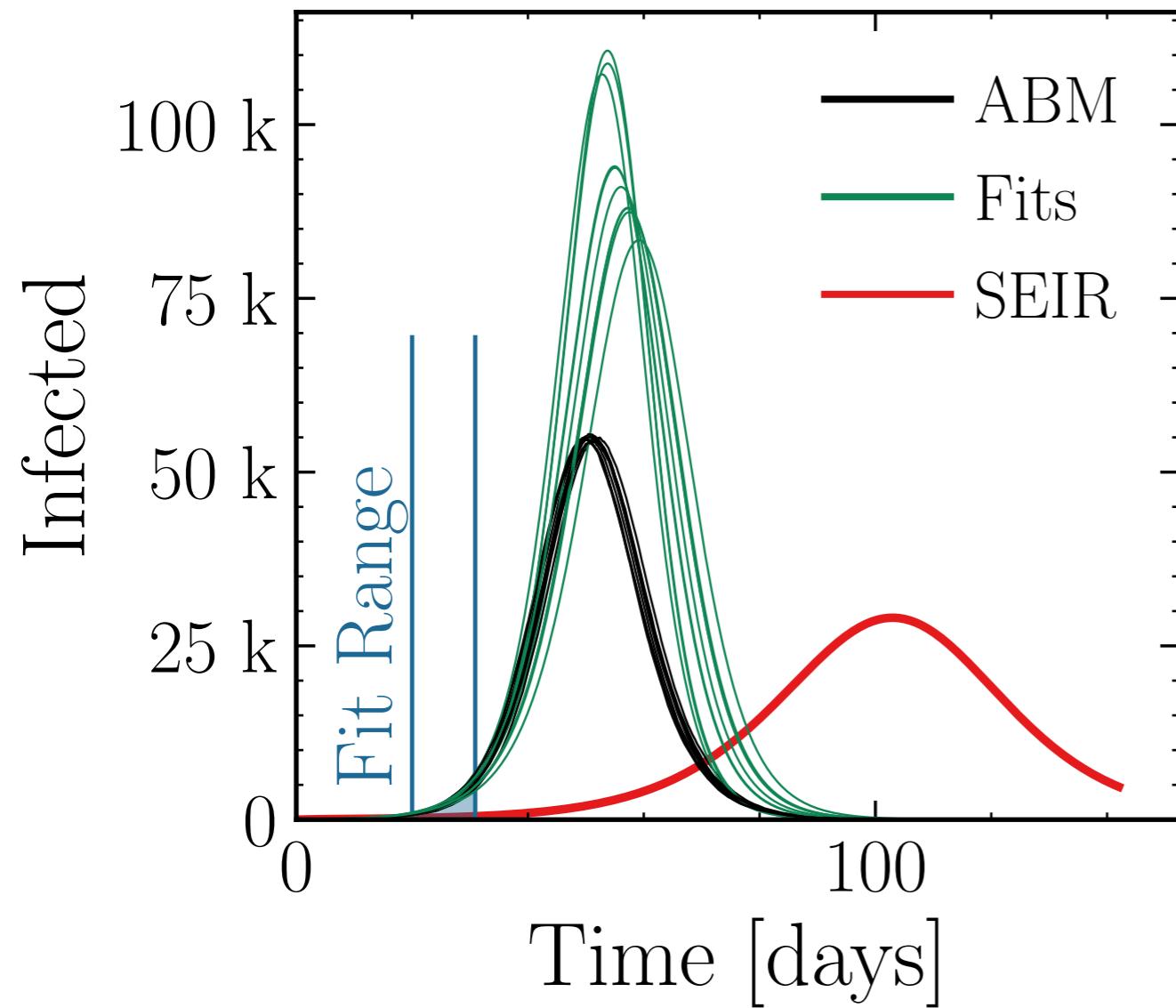
$\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{connect}}^{\text{connect}} = 0$

$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

$$I_{\text{max}}^{\text{fit}} = (95 \pm 3.1\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{ABM}}^{\text{fit}}} = 1.73 \pm 0.055 \quad v. = 1.0, \text{ hash} = \text{f034fe9039}$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (532 \pm 0.62\%) \cdot 10^3 \quad \frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{fit}}} = 1.67 \pm 0.010$$



$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 20.0$, $\sigma_\mu = 0.0$, $\beta = 0.02$, $\sigma_\beta = 0.0$, 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_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

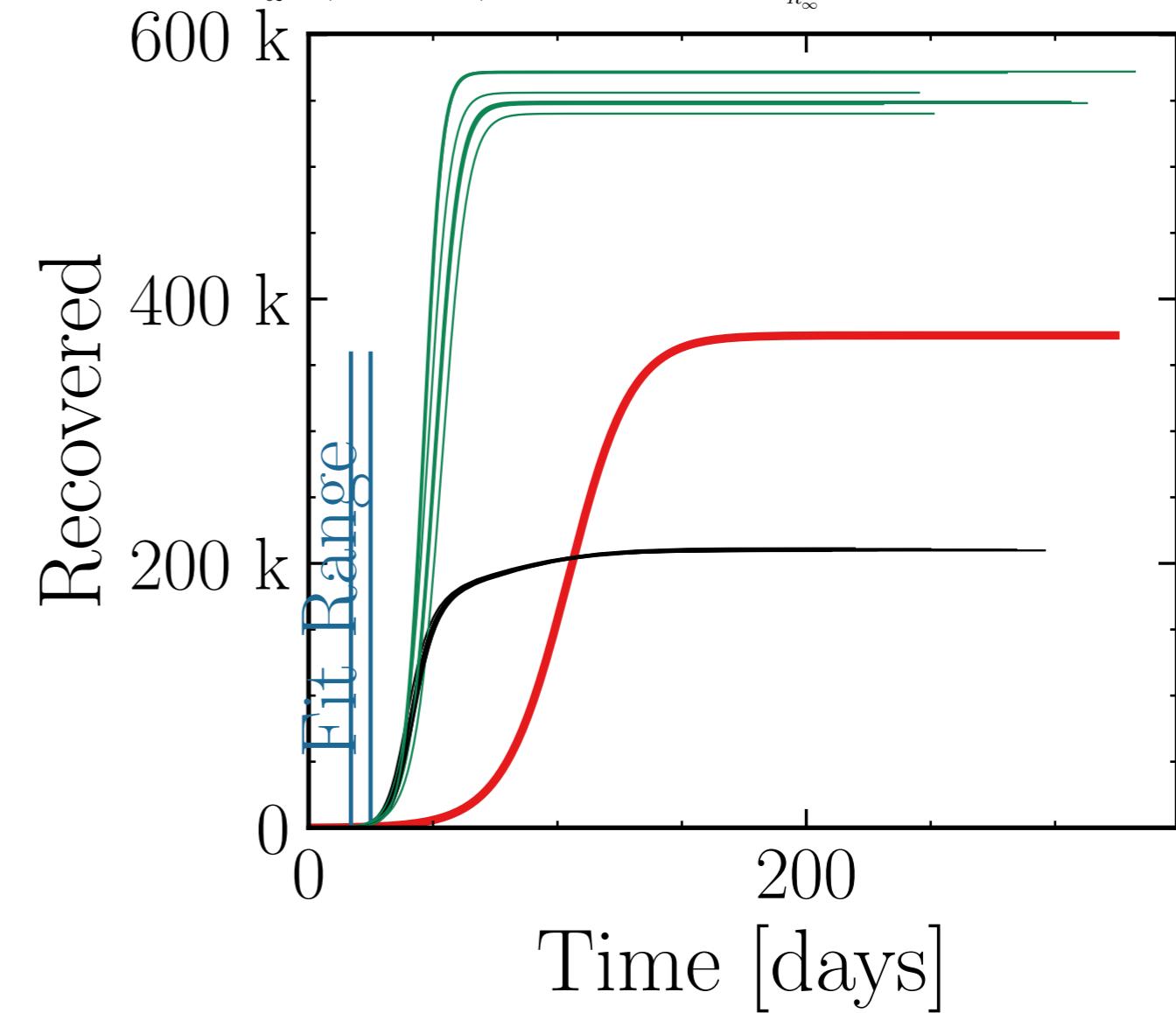
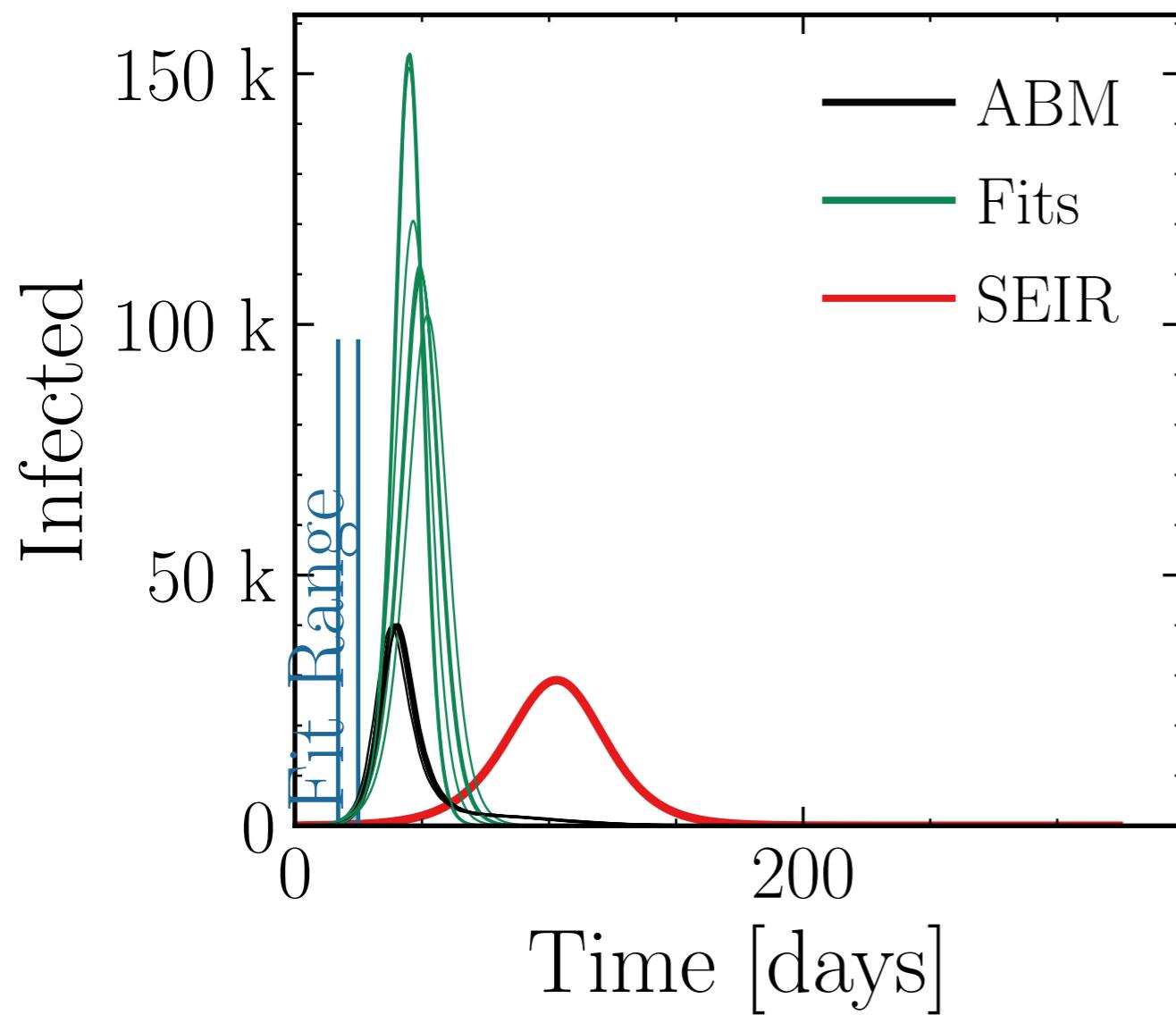
$$I_{\text{max}}^{\text{fit}} = (123 \pm 5.1\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 3.1 \pm 0.16$$

$$v. = 1.0$$

$$\text{hash} = 94a59a5ed4, \#10 \\ R_{\infty}^{\text{fit}} = (555 \pm 0.64\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 2.64 \pm 0.017$$



$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 20.0$, $\sigma_\mu = 0.0$, $\beta = 0.02$, $\sigma_\beta = 1.0$, 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_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β scaling} = 10.0, event_{weekendmultiplier} = 1.0

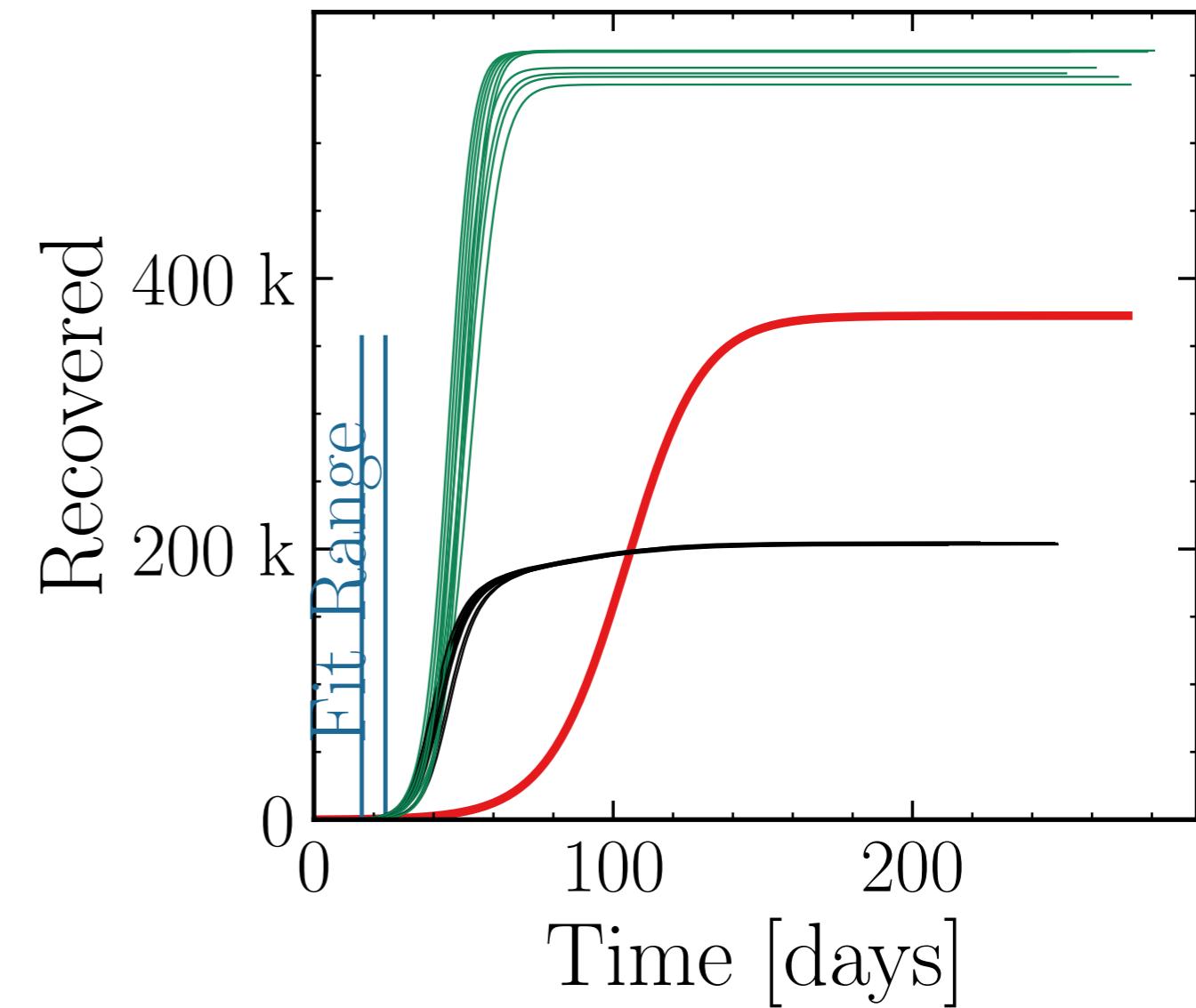
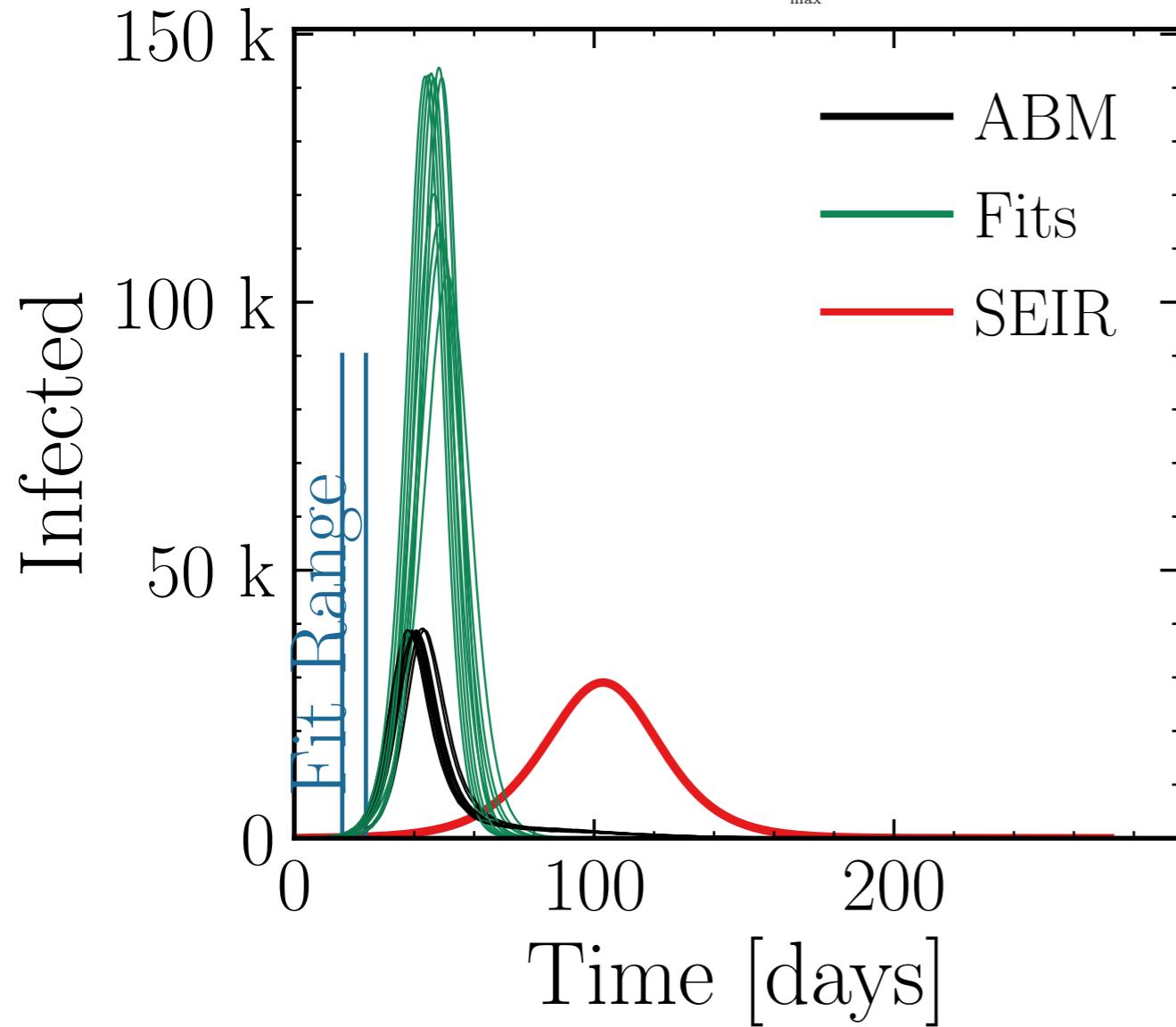
$$I_{\text{max}}^{\text{fit}} = (131 \pm 3.6\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 3.4 \pm 0.12$$

$$\text{v.} = 1.0, \text{hash} = 38297aa28fc, \#10$$

$$R_{\infty}^{\text{fit}} = (561 \pm 0.52\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{fit}}} = 2.75 \pm 0.015$$



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

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

$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

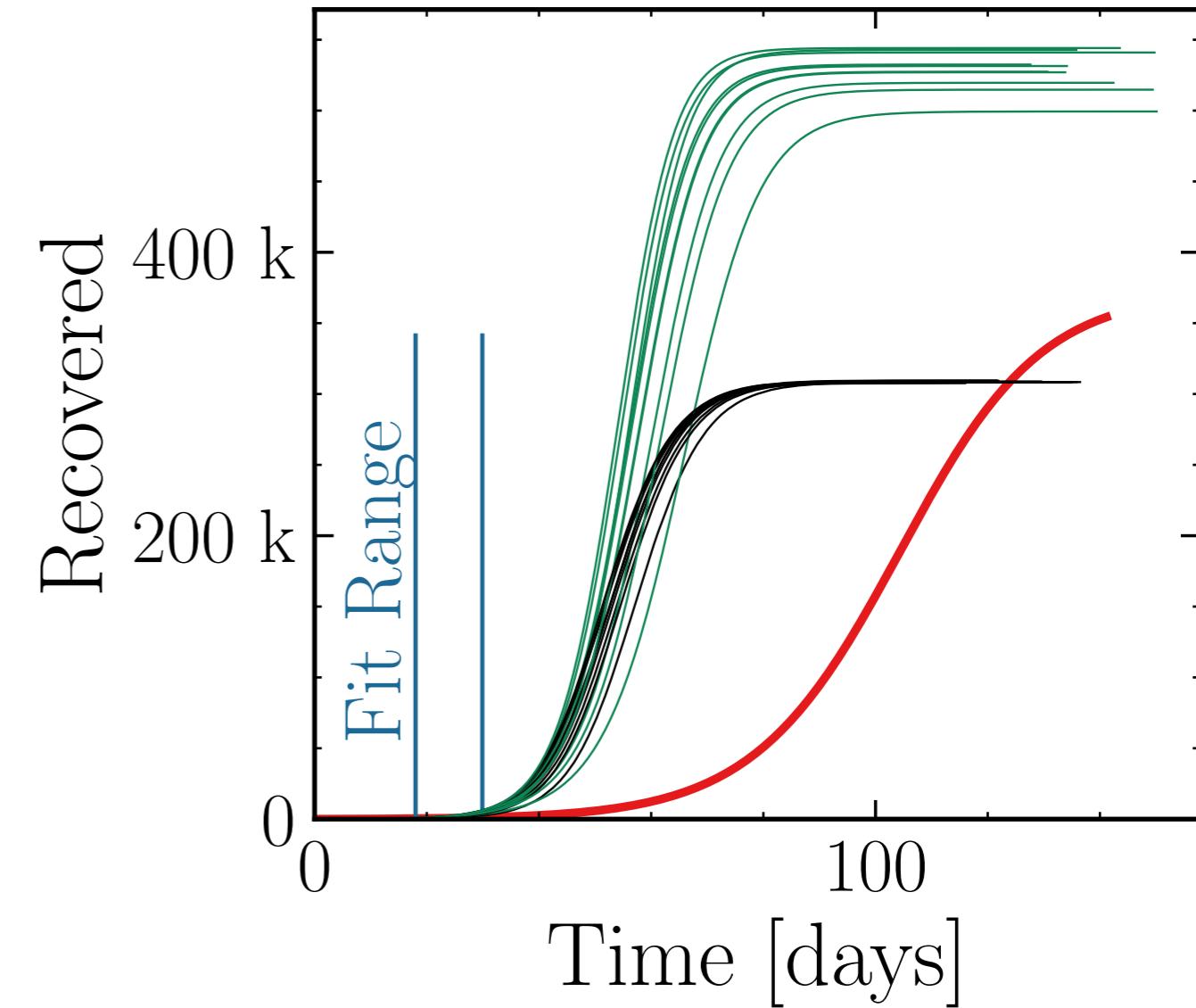
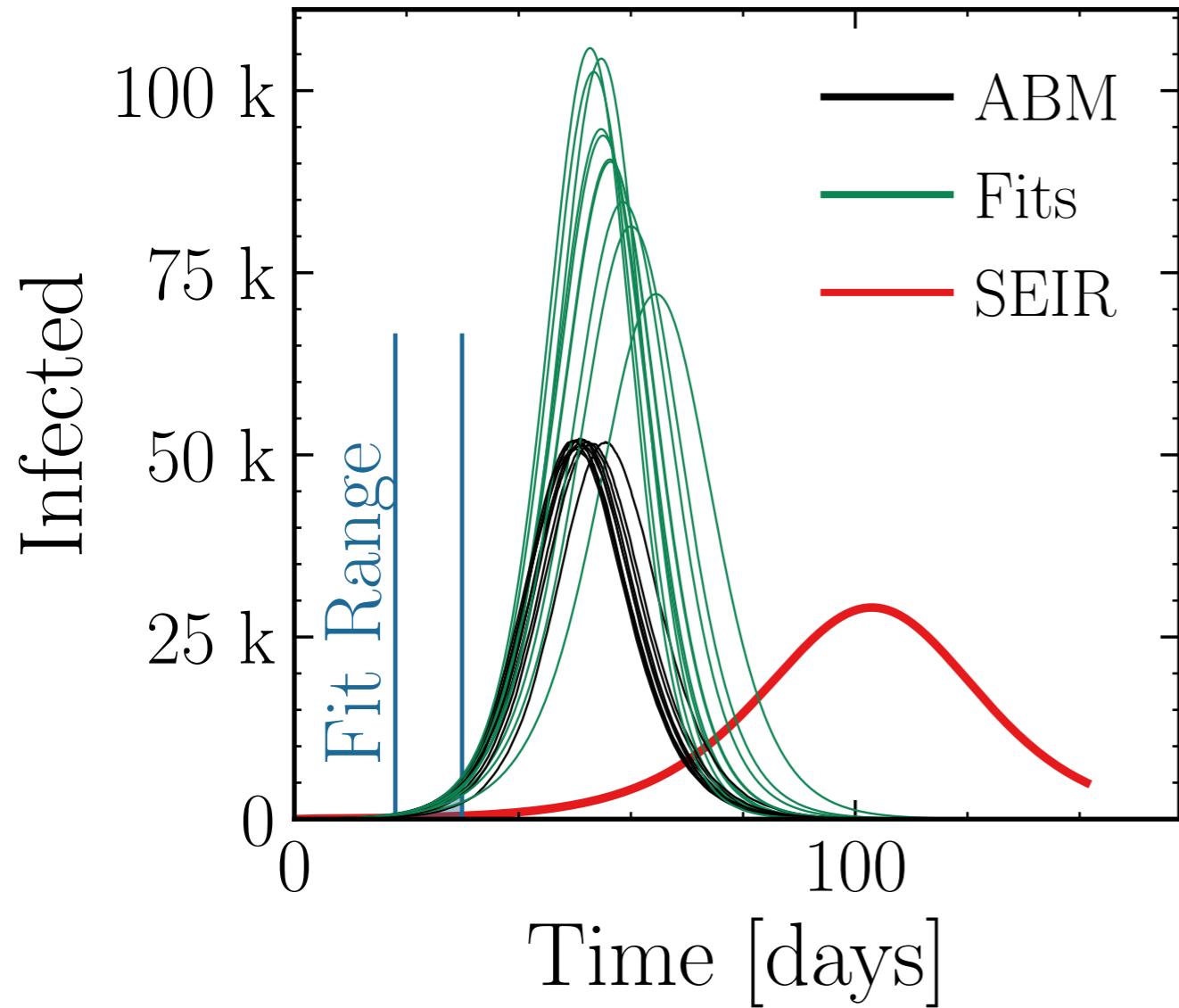
$$I_{\text{max}}^{\text{fit}} = (92 \pm 3.5\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1.78 \pm 0.063$$

$$\text{v.} = 1.0, \text{hash} = 0\text{ec}9\text{c}28\text{dd}1, \#10$$

$$R_{\infty}^{\text{fit}} = (528 \pm 0.79\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.71 \pm 0.014$$



$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 20.0$, $\sigma_\mu = 1.0$, $\beta = 0.02$, $\sigma_\beta = 0.0$, 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_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

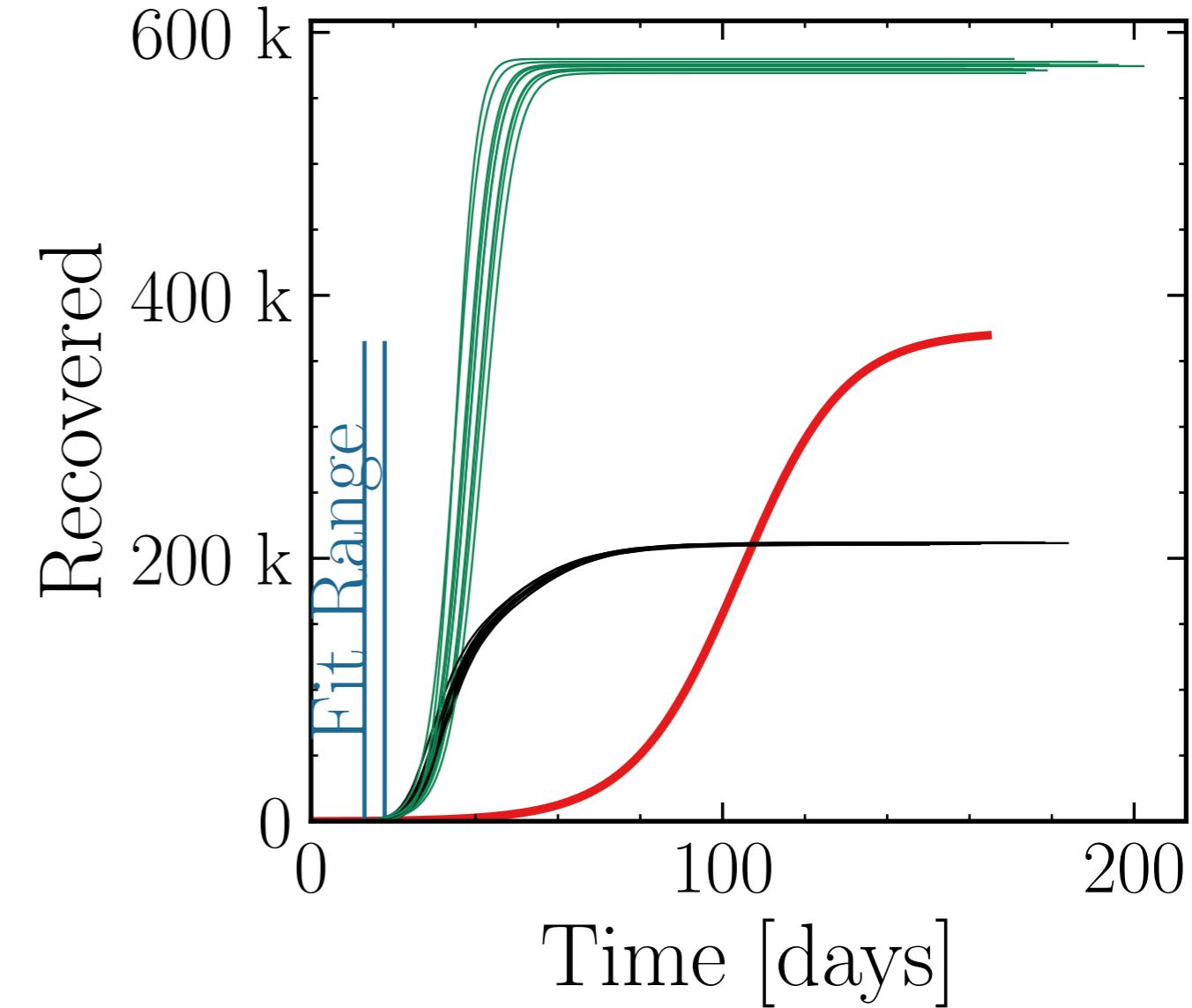
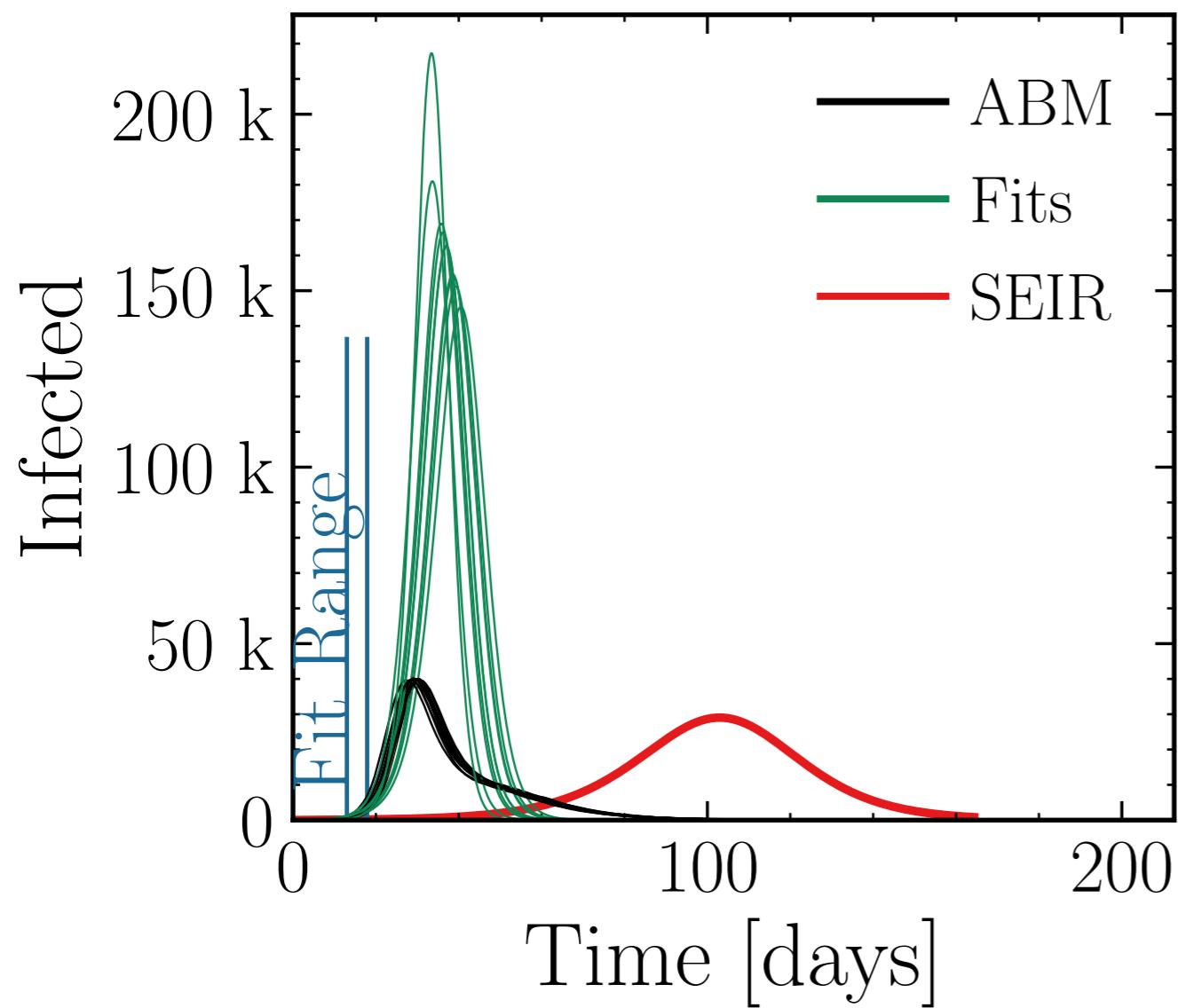
$$I_{\text{max}}^{\text{fit}} = (166 \pm 3.7\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 4.2 \pm 0.15$$

$$v. = 1.0, \text{hash} = 0e2f1d5ff2, \#10$$

$$R_{\infty}^{\text{fit}} = (574.1 \pm 0.17\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 2.718 \pm 0.0050$$



$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 10.0$, $\sigma_\mu = 0.0$, $\beta = 0.02$, $\sigma_\beta = 0.0$, 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_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

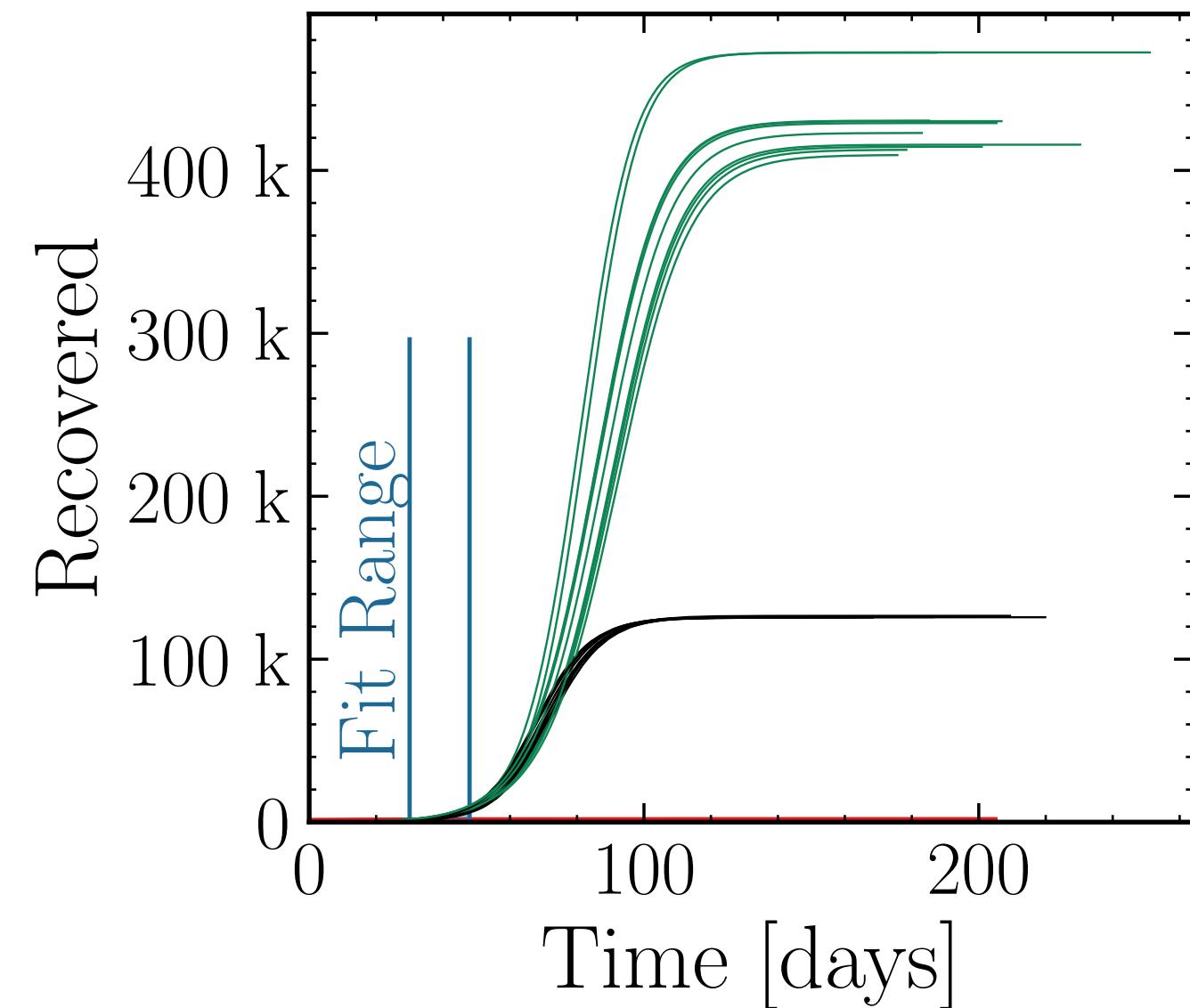
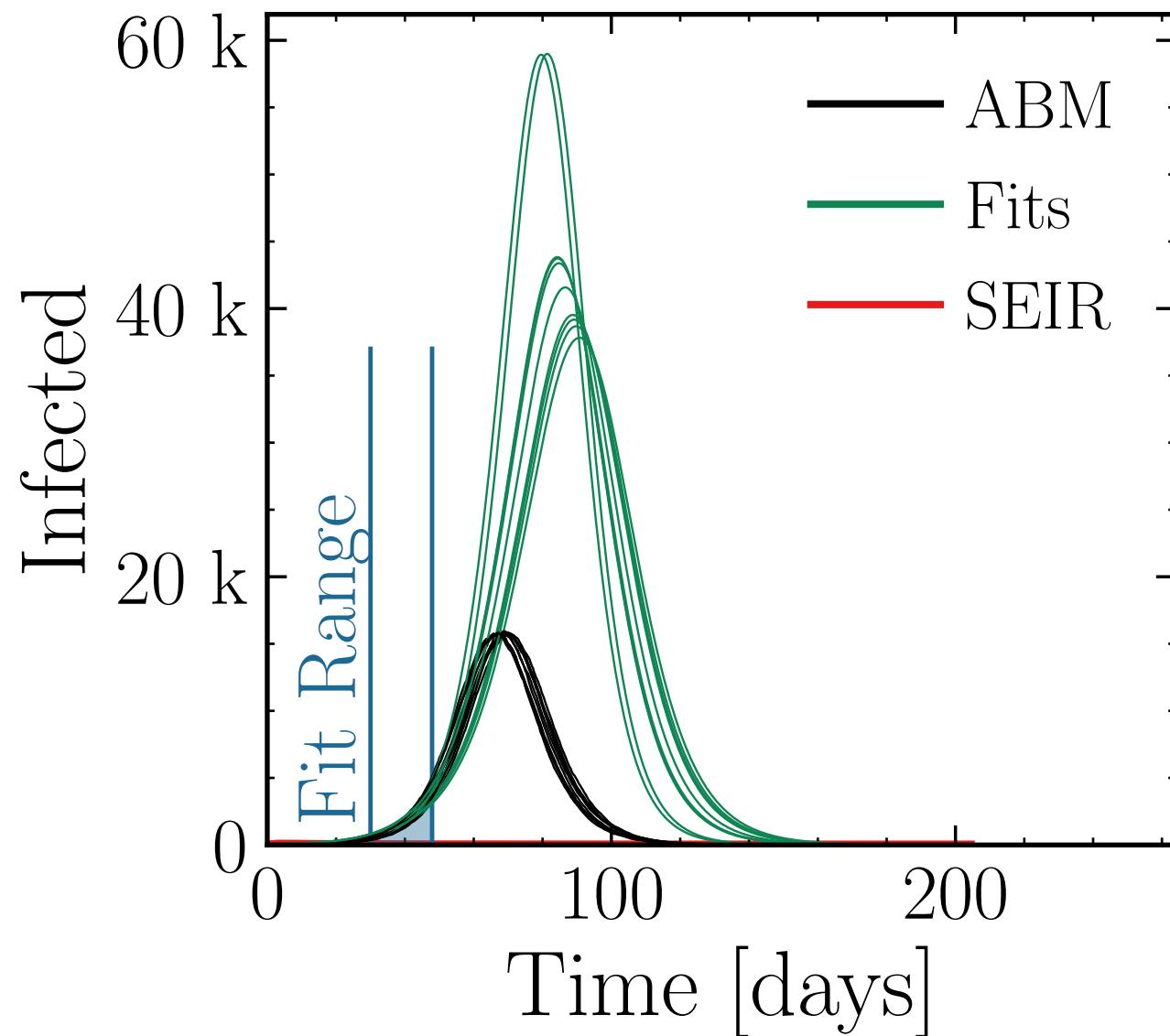
$$I_{\text{max}}^{\text{fit}} = (45 \pm 5.3\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 2.8 \pm 0.15$$

$$\text{v.} = 1.0, \text{hash} = 8\text{ecedf2e96}\#10$$

$$R_{\infty}^{\text{fit}} \# (431 \pm 1.6\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{fit}}} = 3.42 \pm 0.056$$



$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 10.0$, $\sigma_\mu = 1.0$, $\beta = 0.02$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$

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

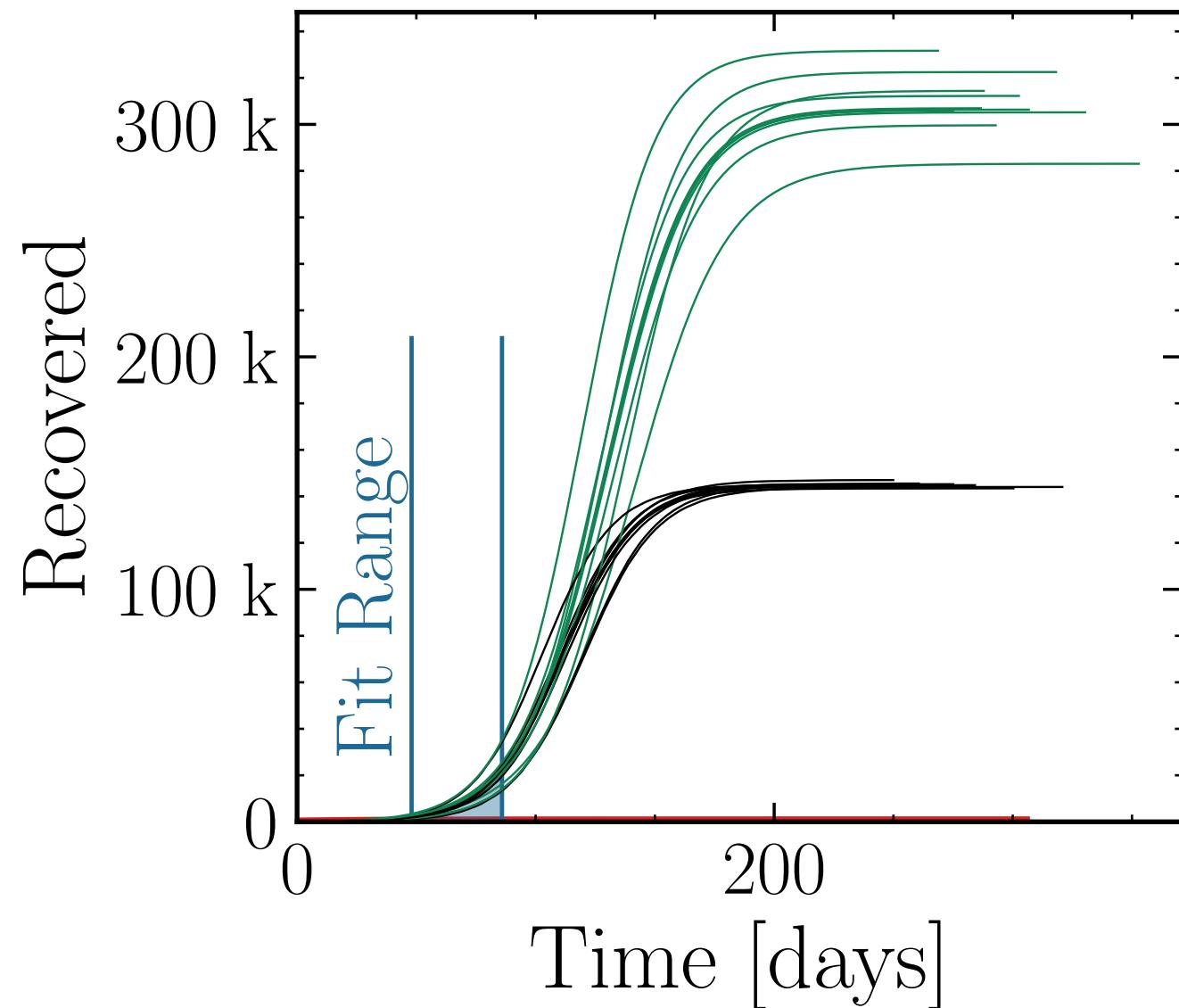
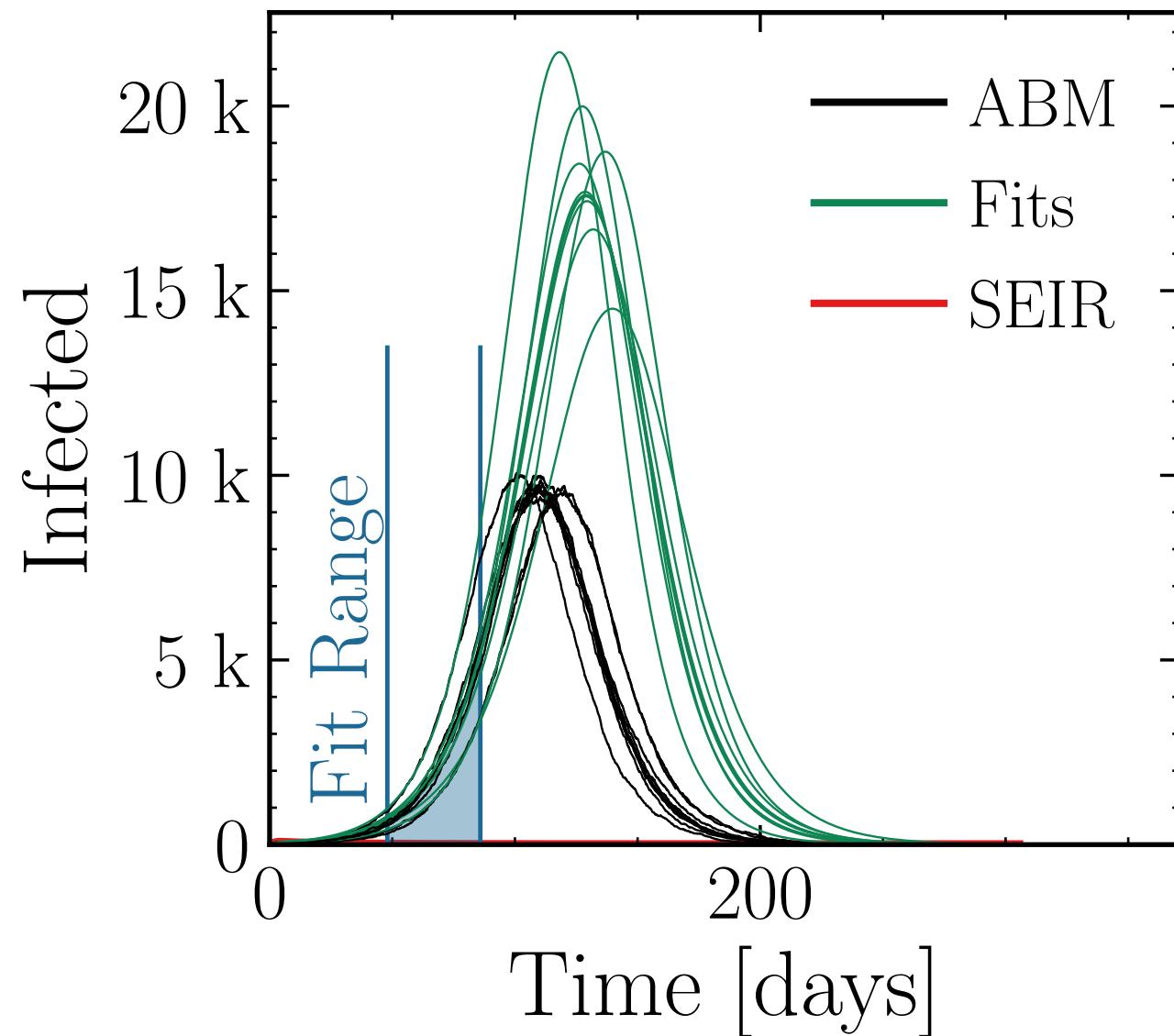
$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

$$I_{\text{max}}^{\text{fit}} = (18 \pm 3.1\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{ABM}}^{\text{ABM}}} = 1.85 \pm 0.055 \quad v. = 1.0, \text{hash} = 386beb04e4, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (309 \pm 1.3\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{fit}}} = 2.13 \pm 0.027$$



$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 20.0$, $\sigma_\mu = 1.0$, $\beta = 0.02$, $\sigma_\beta = 1.0$, algo = 2, $N_{\text{init}} = 100$

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

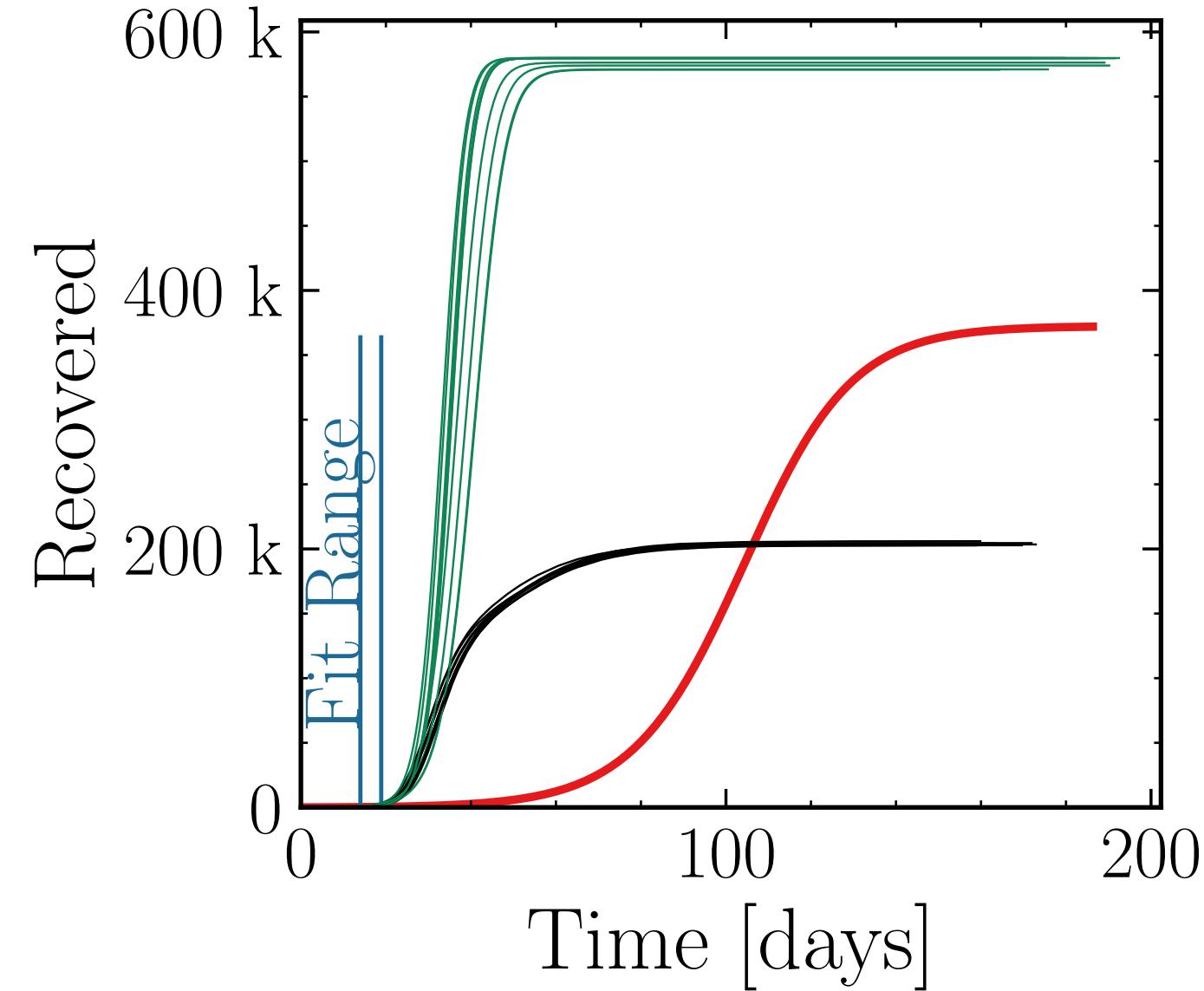
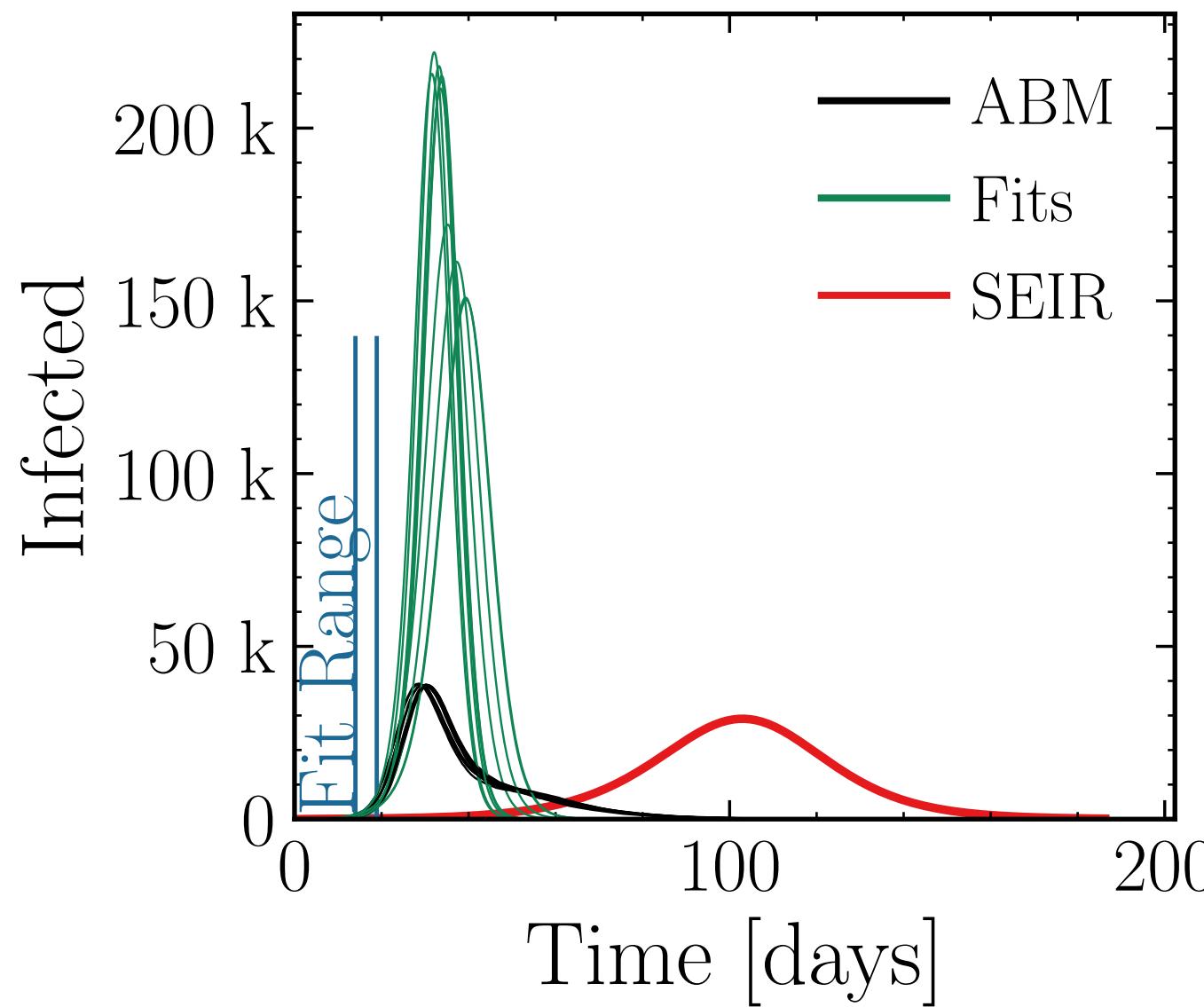
$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β scaling} = 10.0, event_{weekendmultiplier} = 1.0

$$I_{\text{max}}^{\text{fit}} = (193 \pm 4.7\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 5 \pm 0.23$$

$$\text{v.} = 1.0, \text{hash} = 5809378a01\#10, R_{\infty}^{\text{fit}} = (577 \pm 0.2\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 2.831 \pm 0.0088$$



$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 10.0$, $\sigma_\mu = 0.0$, $\beta = 0.02$, $\sigma_\beta = 1.0$, algo = 2, $N_{\text{init}} = 100$

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

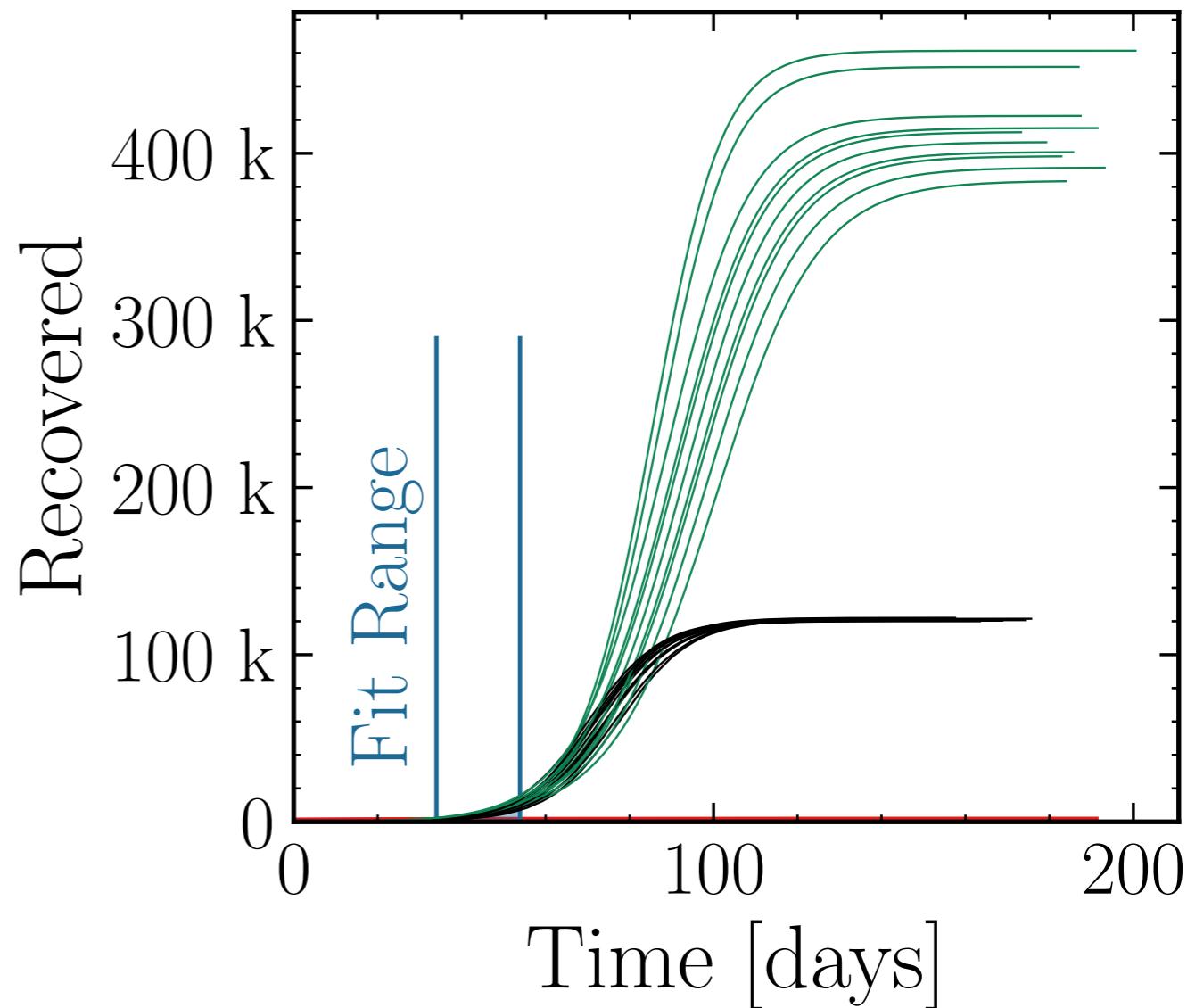
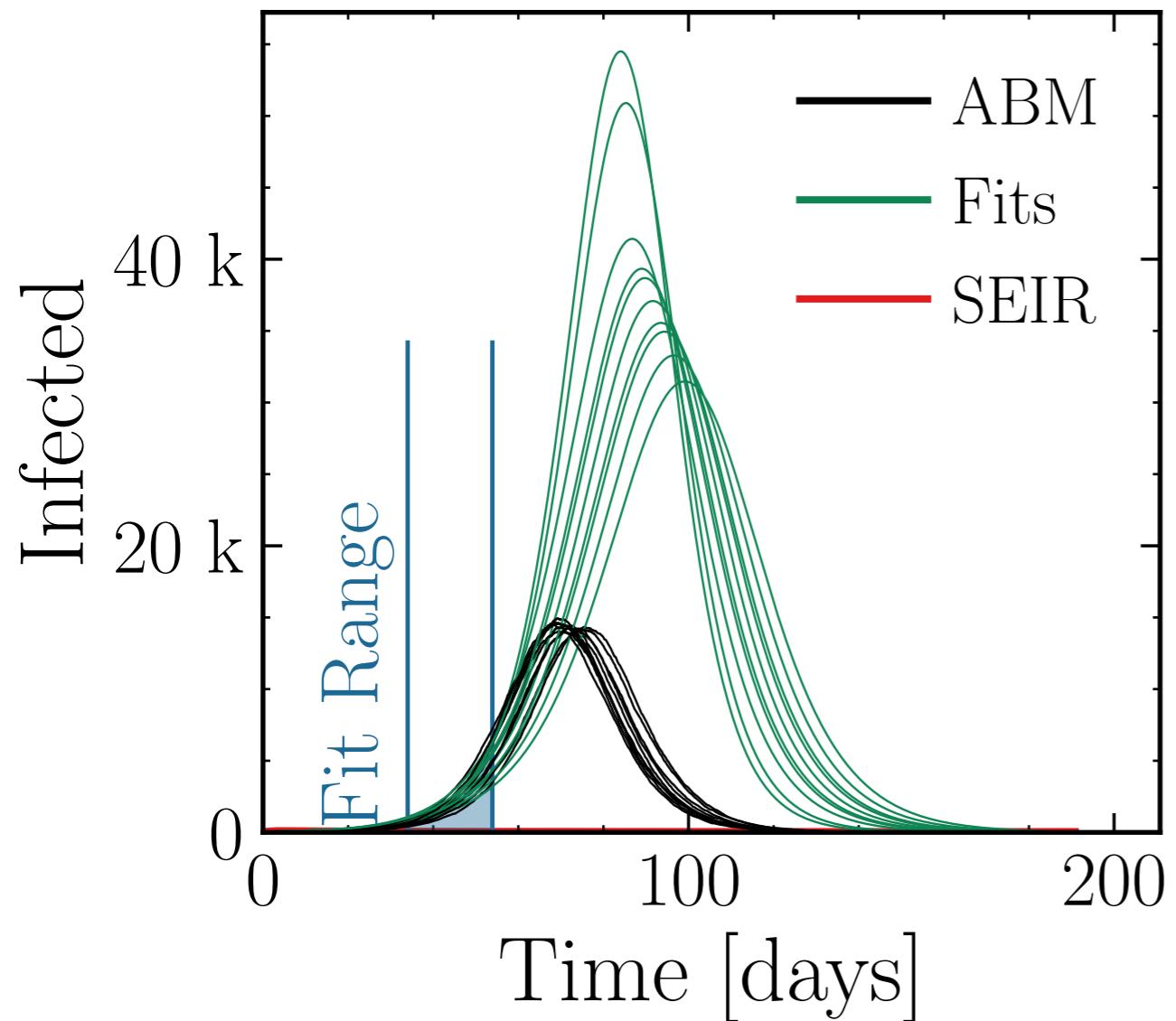
$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β scaling} = 10.0, event_{weekendmultiplier} = 1.0

$$I_{\text{max}}^{\text{fit}} = (40 \pm 5.7\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{ABM}}^{\text{max}}} = 2.8 \pm 0.16$$

$$\text{v.} = 1.0, \text{hash} = 27b21473bc \#10, R_{\infty}^{\text{fit}} = (415 \pm 1.8\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 3.43 \pm 0.065$$



$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 10.0$, $\sigma_\mu = 1.0$, $\beta = 0.02$, $\sigma_\beta = 1.0$, algo = 2, $N_{\text{init}} = 100$

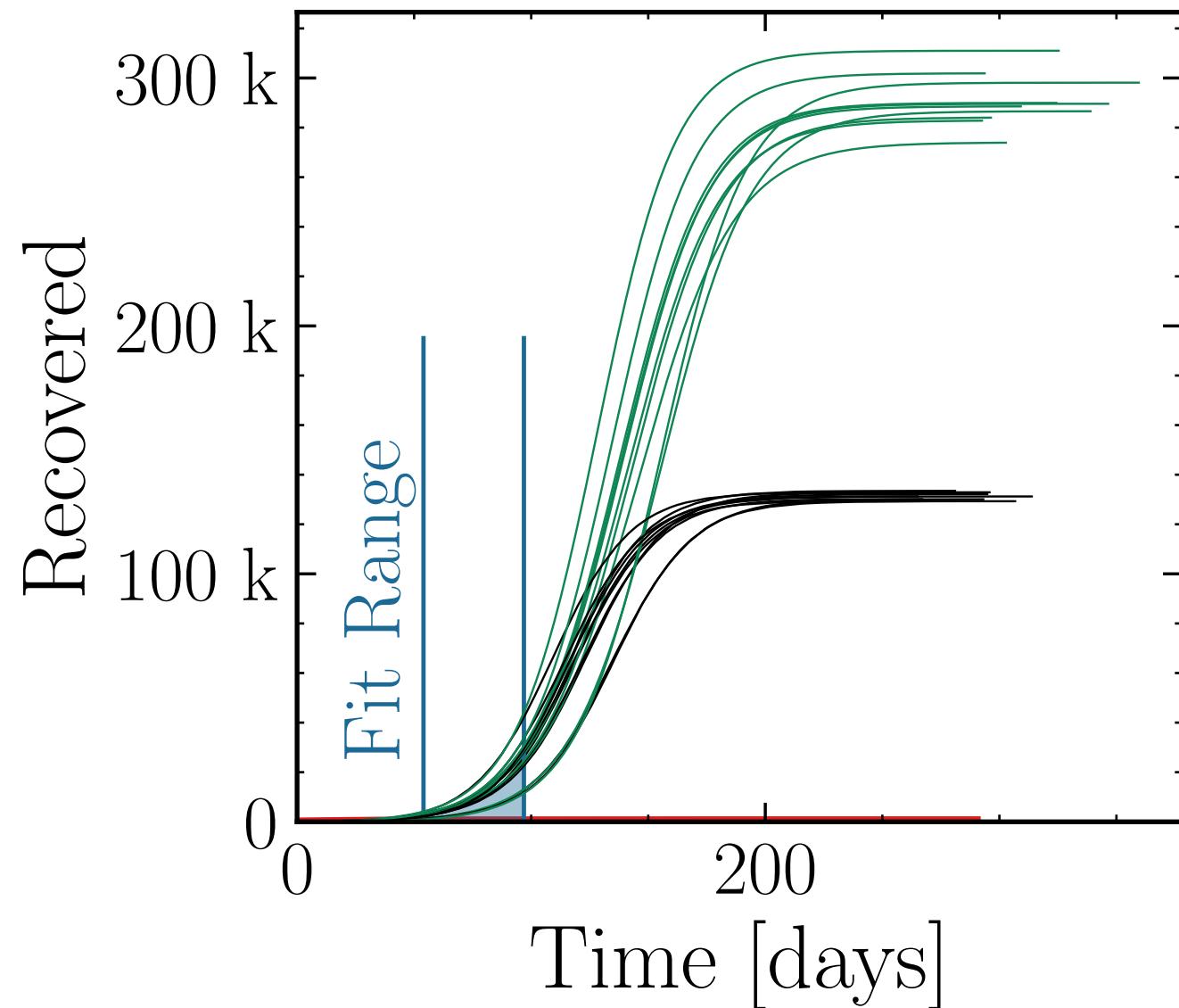
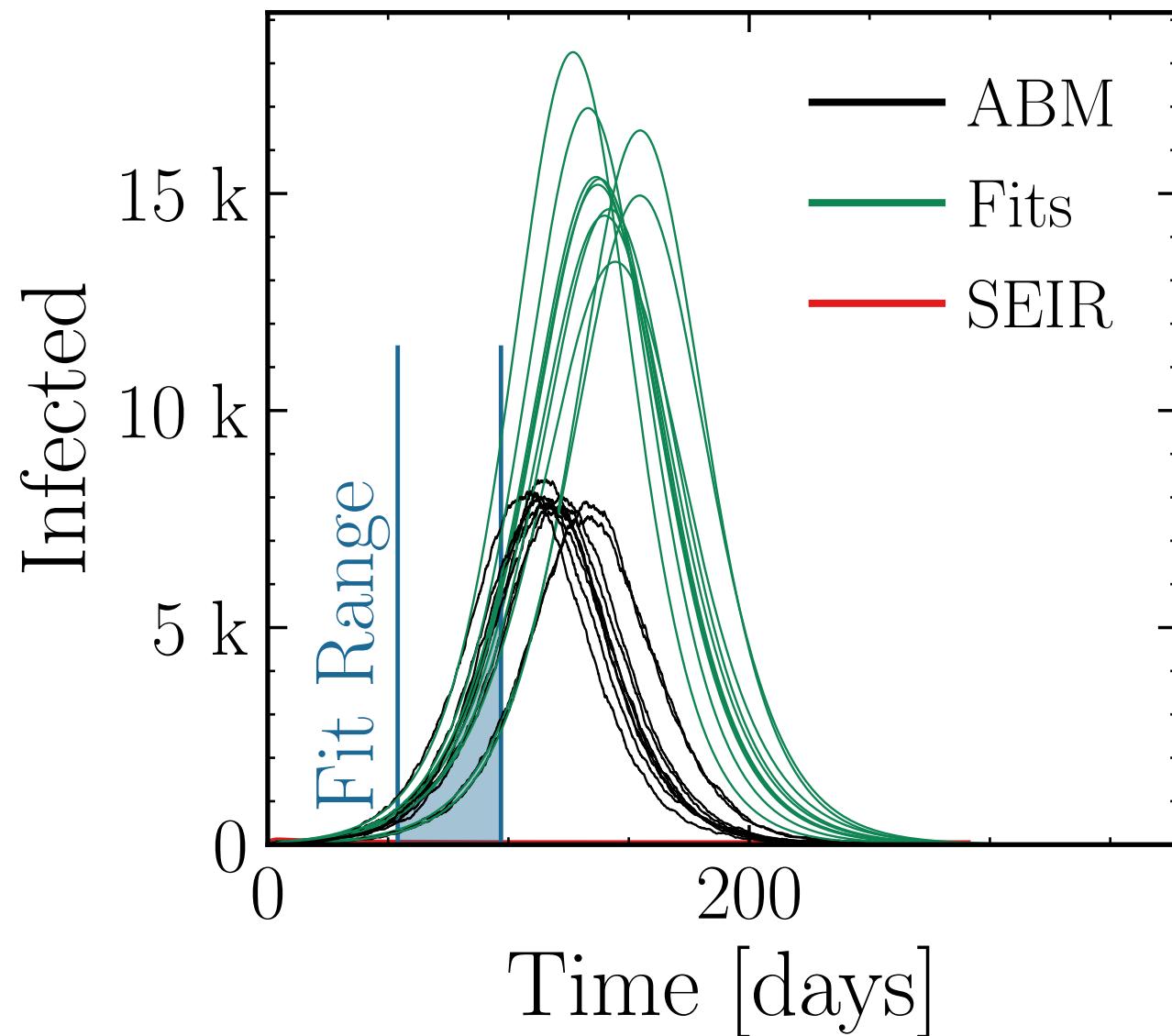
$\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

$$I_{\text{max}}^{\text{fit}} = (15.5 \pm 2.7\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{ABM}}^{\text{max}}} = 1.94 \pm 0.051 \quad v. = 1.0, \text{hash} = 1c3a146798R_{\infty}^{\text{fit}} \#10 \quad (291 \pm 1.1\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 2.21 \pm 0.024$$



$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 10.0$, $\sigma_\mu = 1.0$, $\beta = 0.02$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$

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

$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

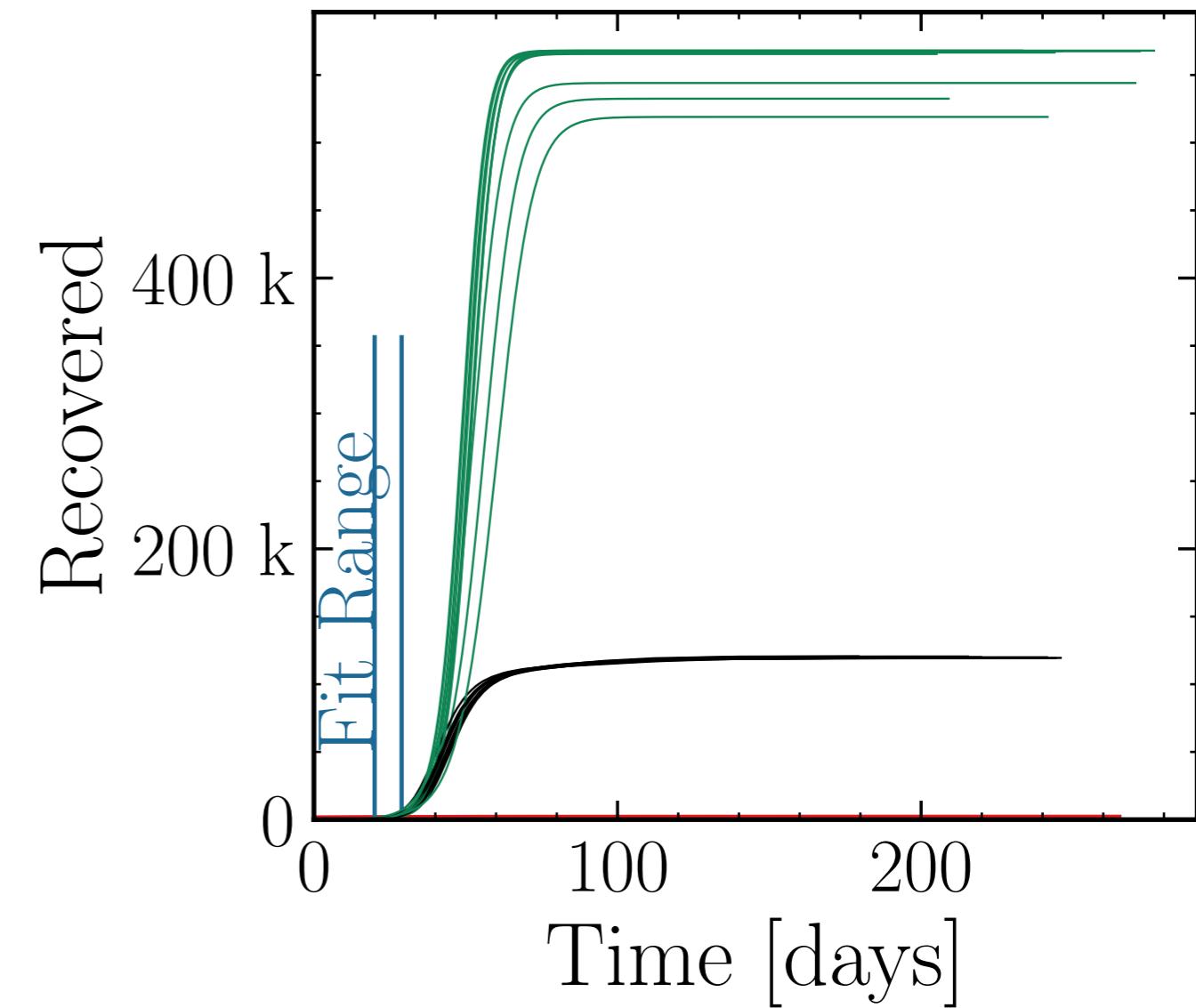
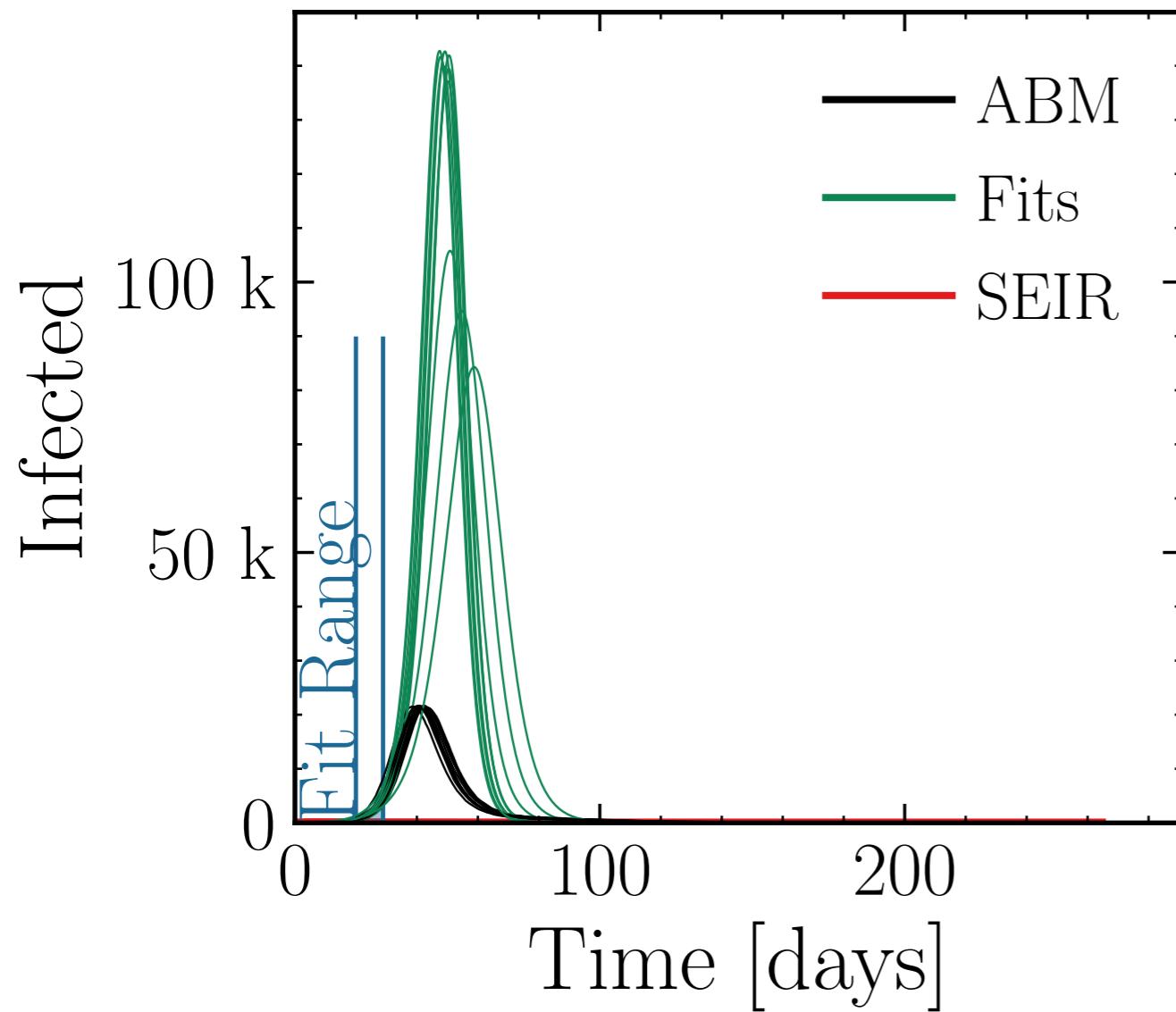
$$I_{\text{max}}^{\text{fit}} = (127 \pm 5.4\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 5.9 \pm 0.32$$

v. = 1.0, hash = e41b40281c, #10

$$R_{\infty}^{\text{fit}} = (557 \pm 0.97\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{fit}}} = 4.65 \pm 0.047$$



$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 10.0$, $\sigma_\mu = 1.0$, $\beta = 0.02$, $\sigma_\beta = 1.0$, 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_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β scaling} = 10.0, event_{weekendmultiplier} = 1.0

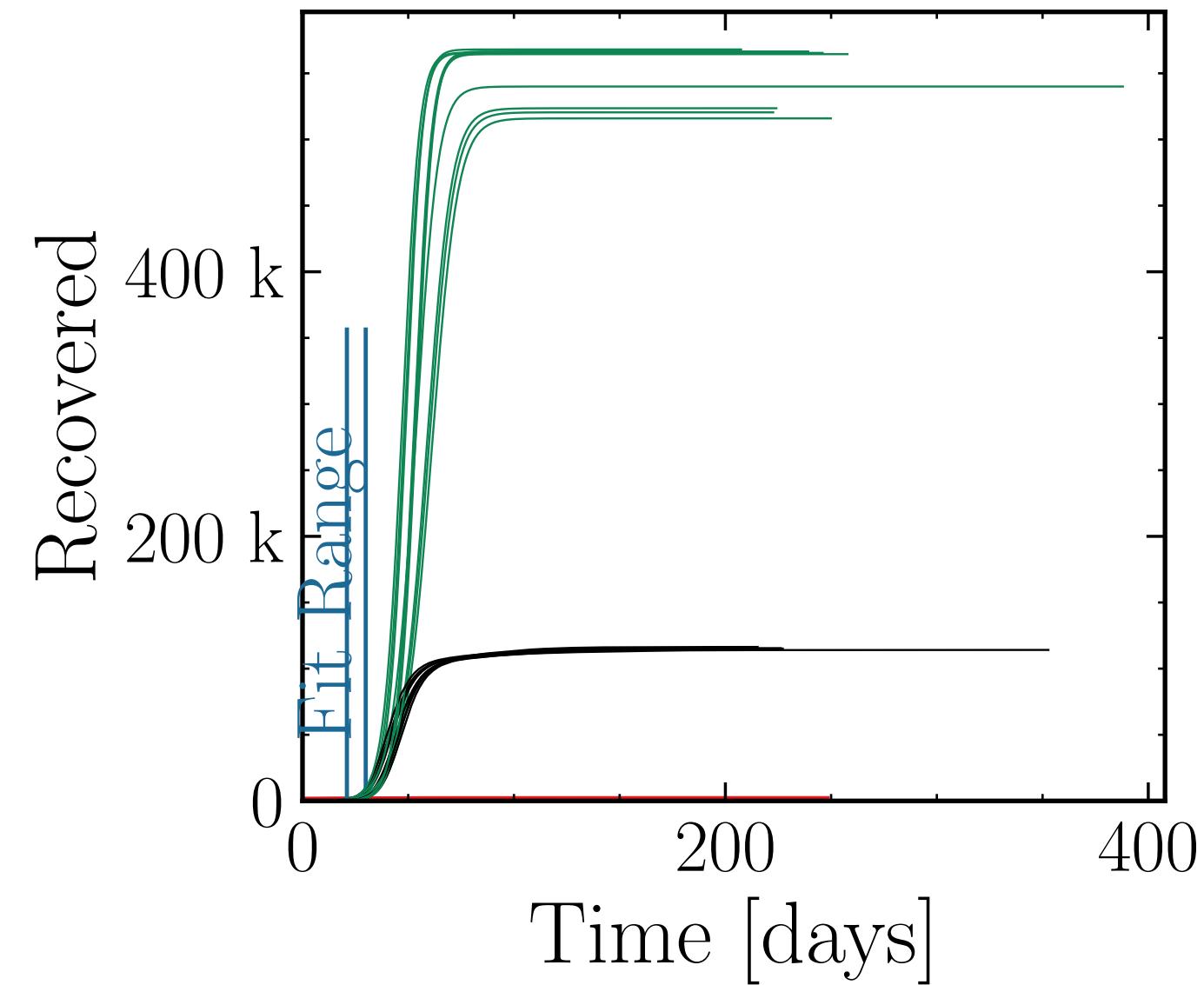
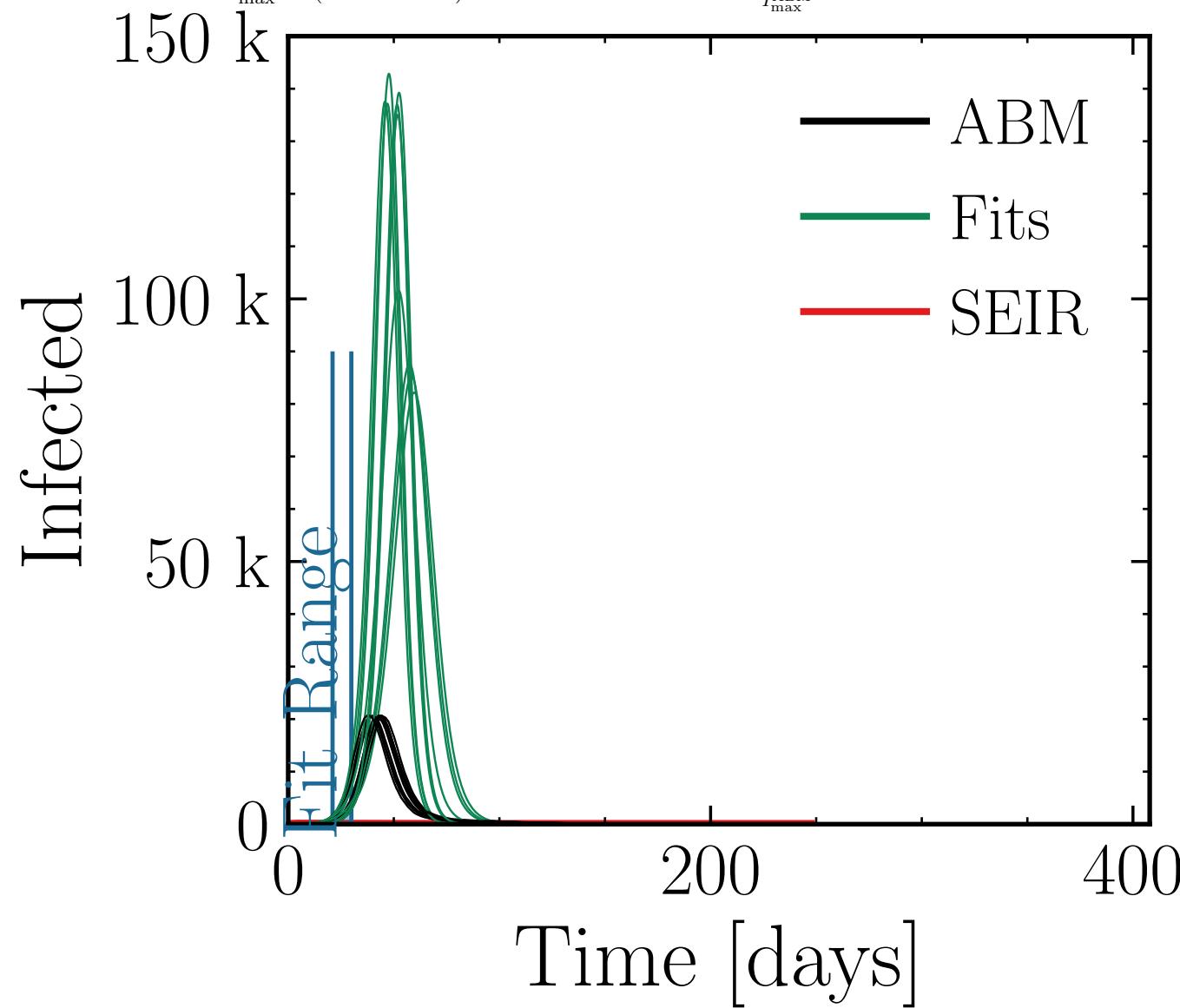
$$I_{\text{max}}^{\text{fit}} = (119 \pm 6.5\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{ABM}}^{\text{fit}}} = 5.8 \pm 0.37$$

$$v. = 1.0, \text{hash} = 054f117e15 \#10$$

$$R_{\infty}^{\text{fit}} \# (550 \pm 1.2\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 4.78 \pm 0.055$$



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

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

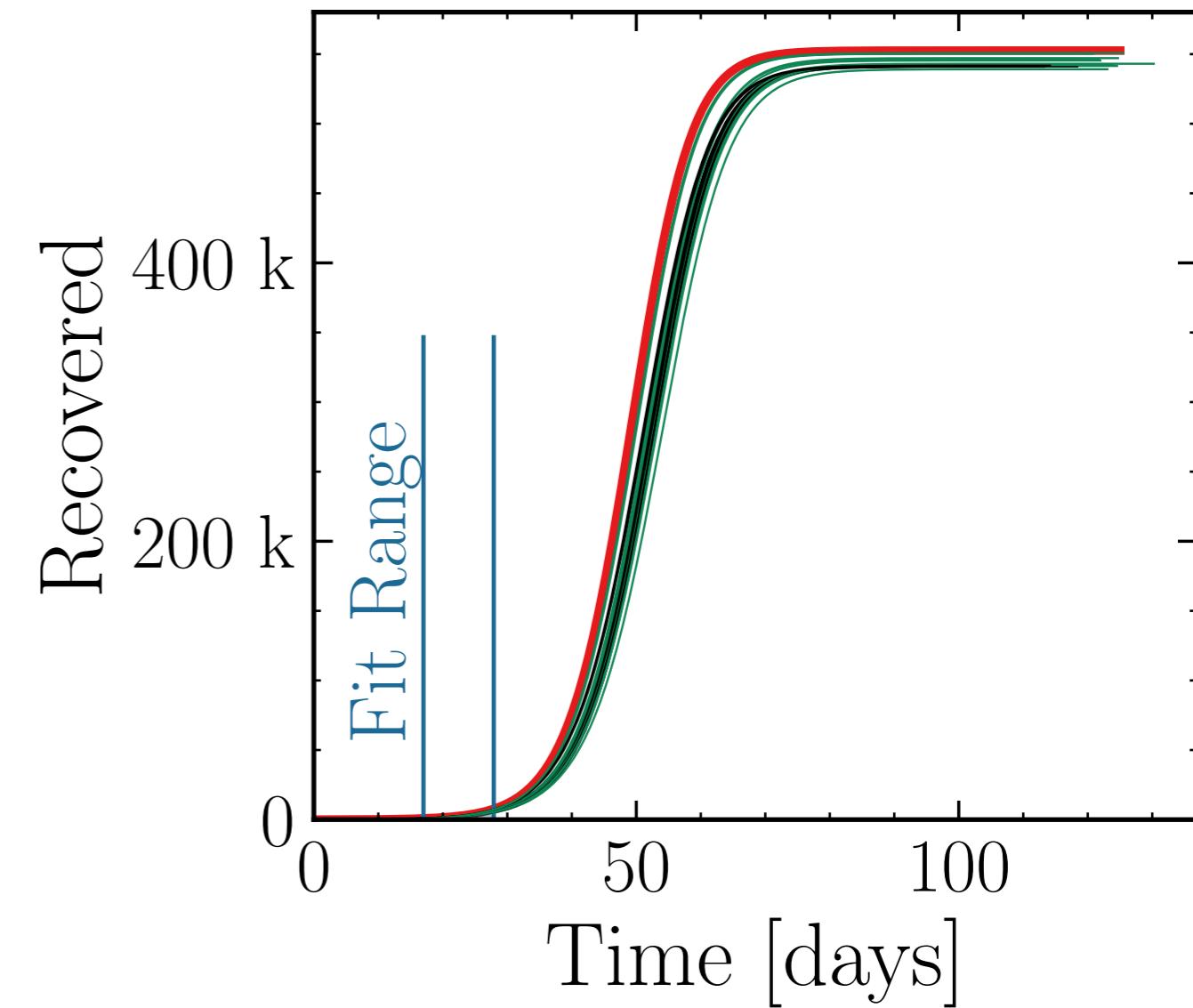
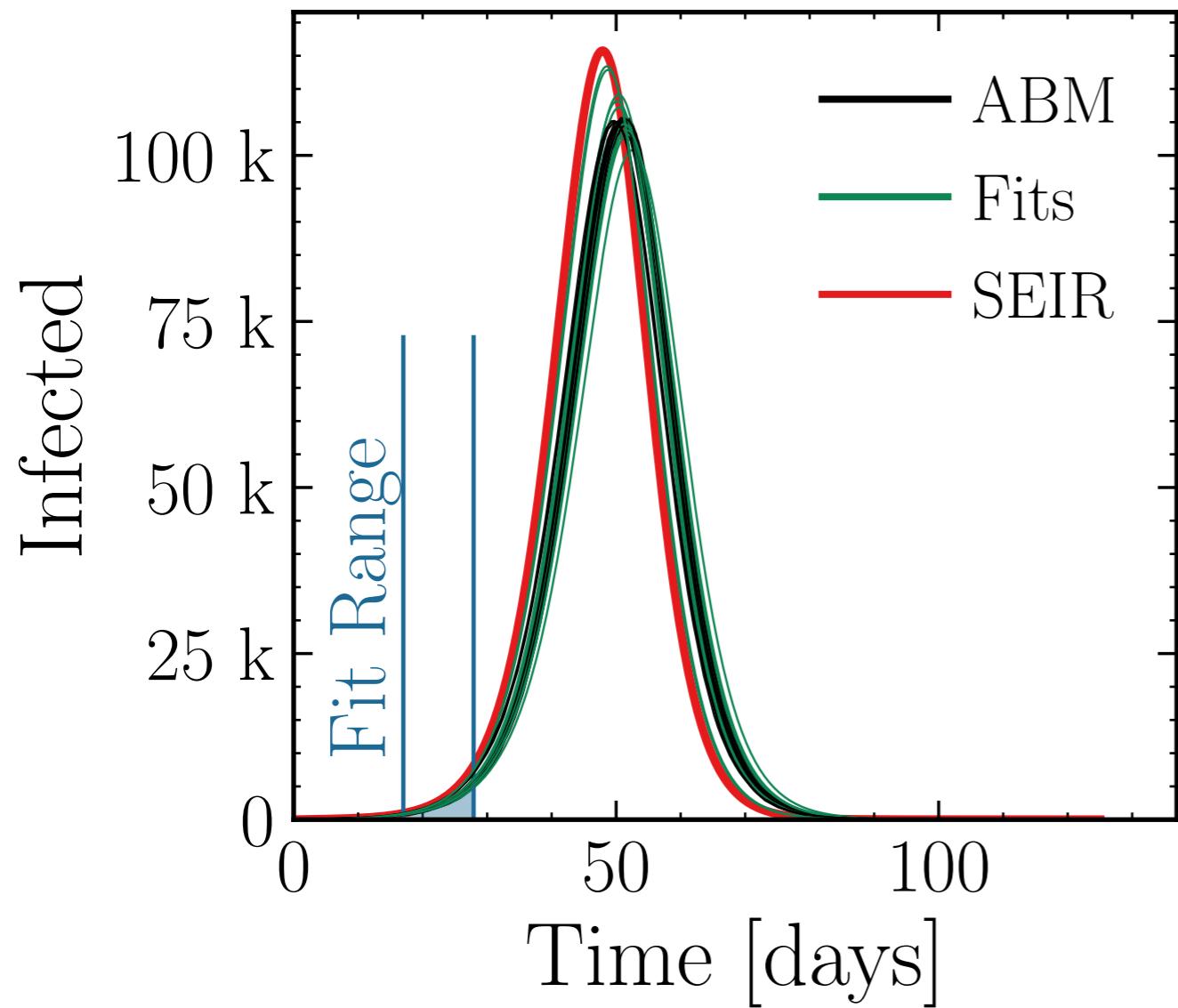
$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

$$I_{\text{max}}^{\text{fit}} = (107 \pm 1.2\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1.01 \pm 0.012 \quad v. = 1.0, \text{hash} = 79c7a7d7be, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (545 \pm 0.21\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{fit}}} = 1.006 \pm 0.0021$$



$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 20.0$, $\sigma_\mu = 0.0$, $\beta = 0.04$, $\sigma_\beta = 0.0$, 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_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β scaling} = 10.0, event_{weekendmultiplier} = 1.0

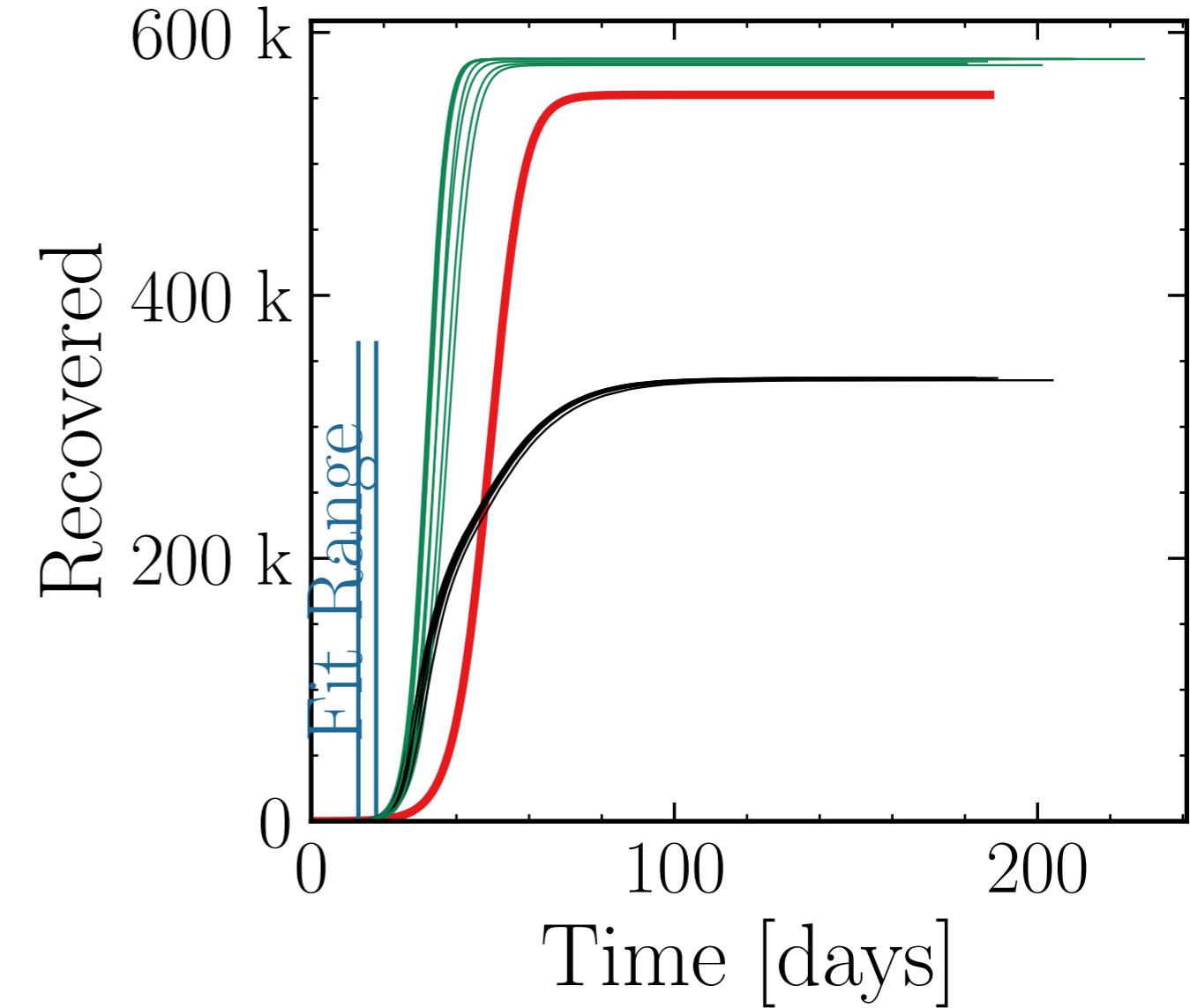
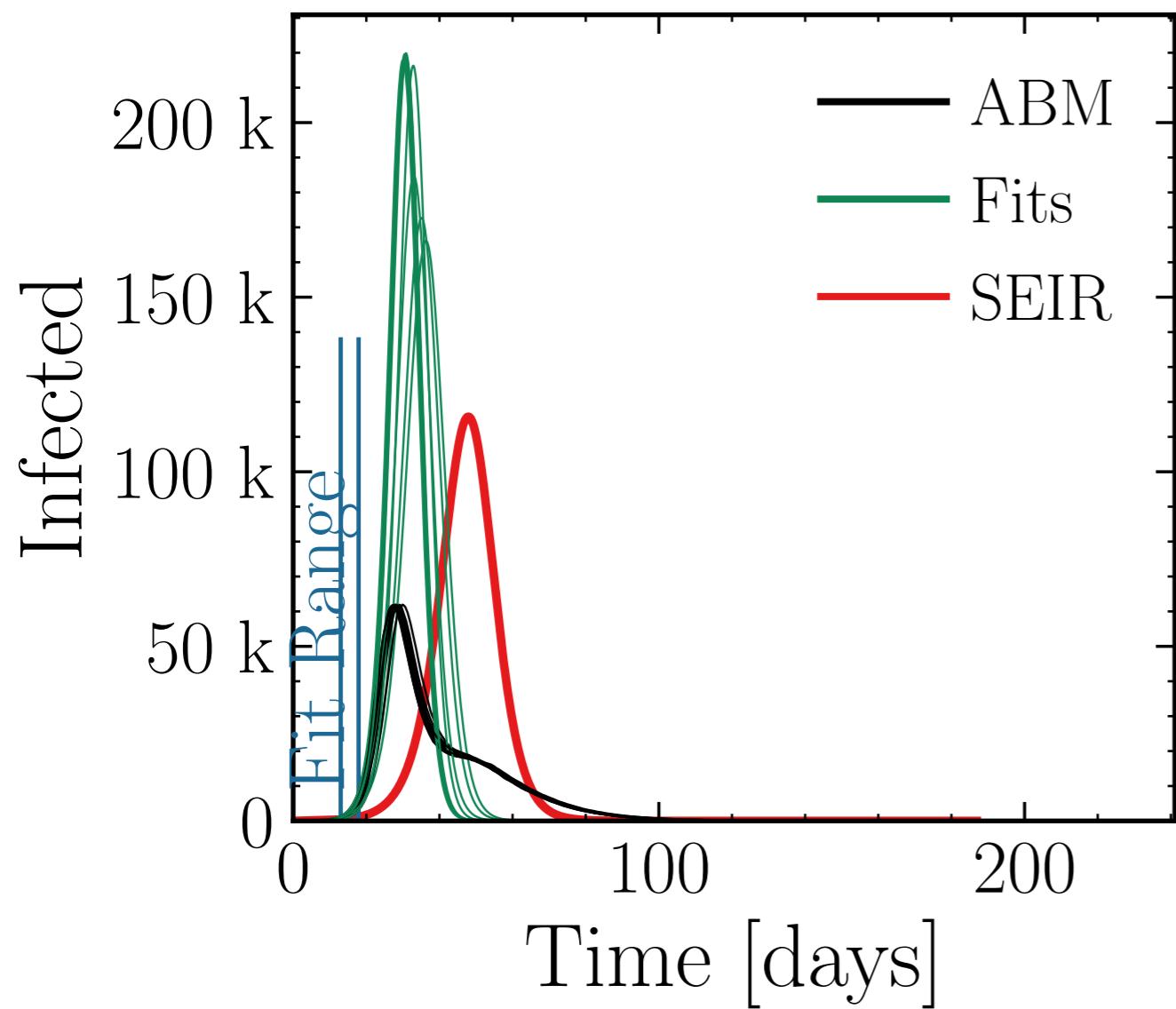
$$I_{\text{max}}^{\text{fit}} = (205 \pm 3.1\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 3.3 \pm 0.10$$

$$\nu = 1.0, \text{hash} = 2a1942afa0, \#10$$

$$R_{\infty}^{\text{fit}} = (578.8 \pm 0.09\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.72 \pm 0.0020$$



$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 20.0$, $\sigma_\mu = 0.0$, $\beta = 0.04$, $\sigma_\beta = 1.0$, 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_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β scaling} = 10.0, event_{weekendmultiplier} = 1.0

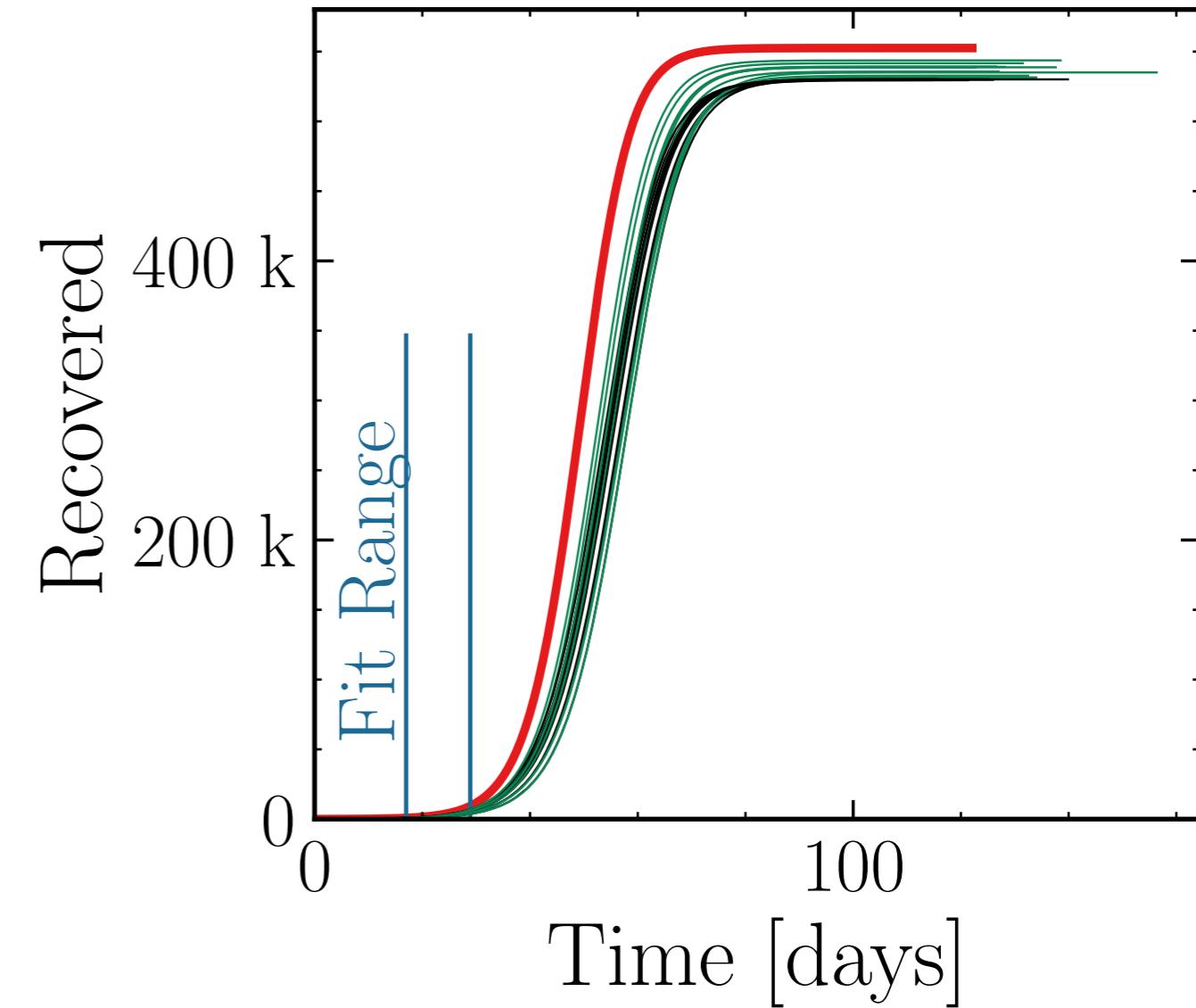
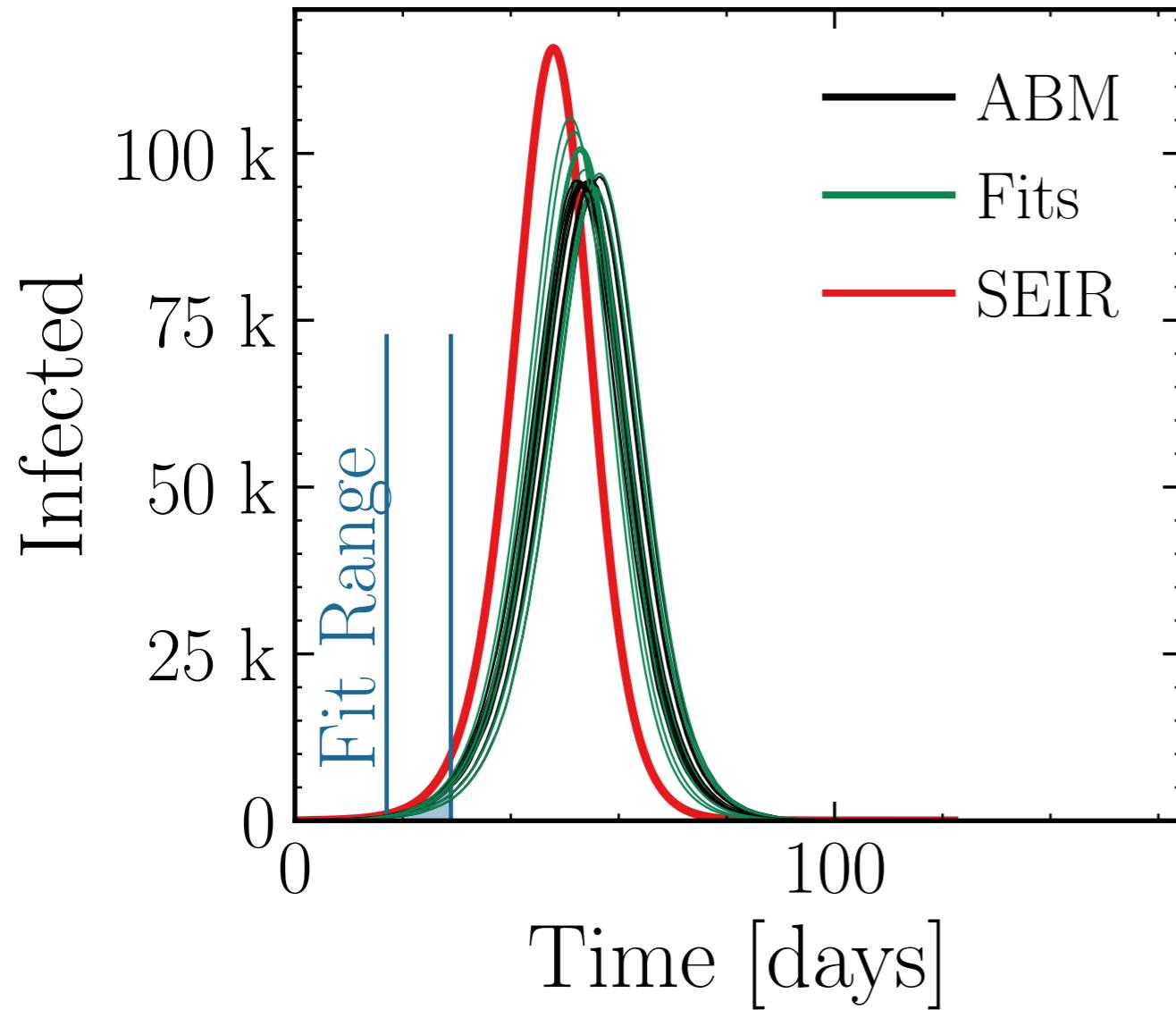
$$I_{\text{max}}^{\text{fit}} = (99 \pm 1.1\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1.04 \pm 0.012$$

$$\text{v.} = 1.0, \text{hash} = 3af5dd7029, \#10$$

$$R_{\infty}^{\text{fit}} = (538 \pm 0.22\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.015 \pm 0.0022$$



$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 20.0$, $\sigma_\mu = 0.0$, $\beta = 0.04$, $\sigma_\beta = 1.0$, 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_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

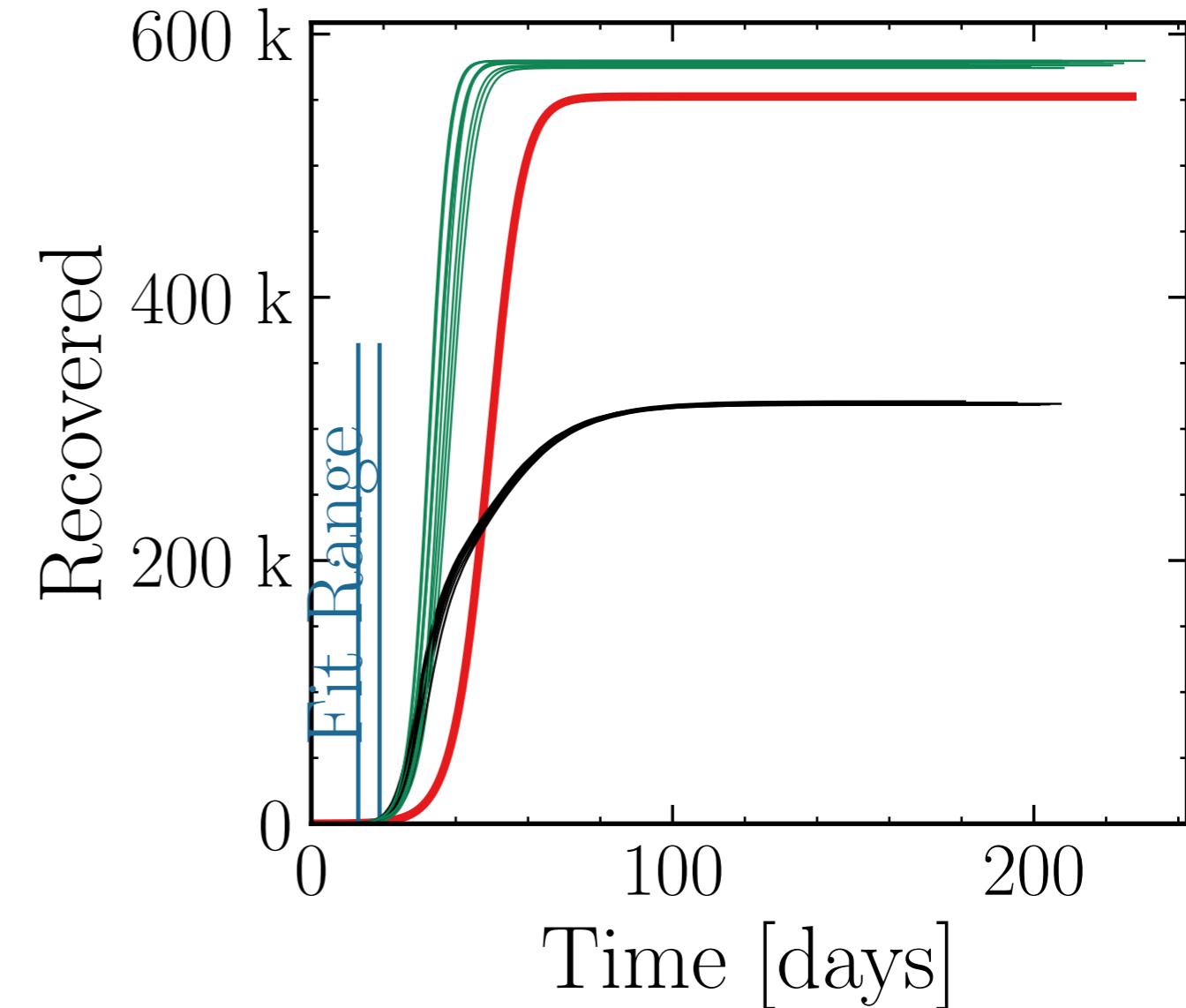
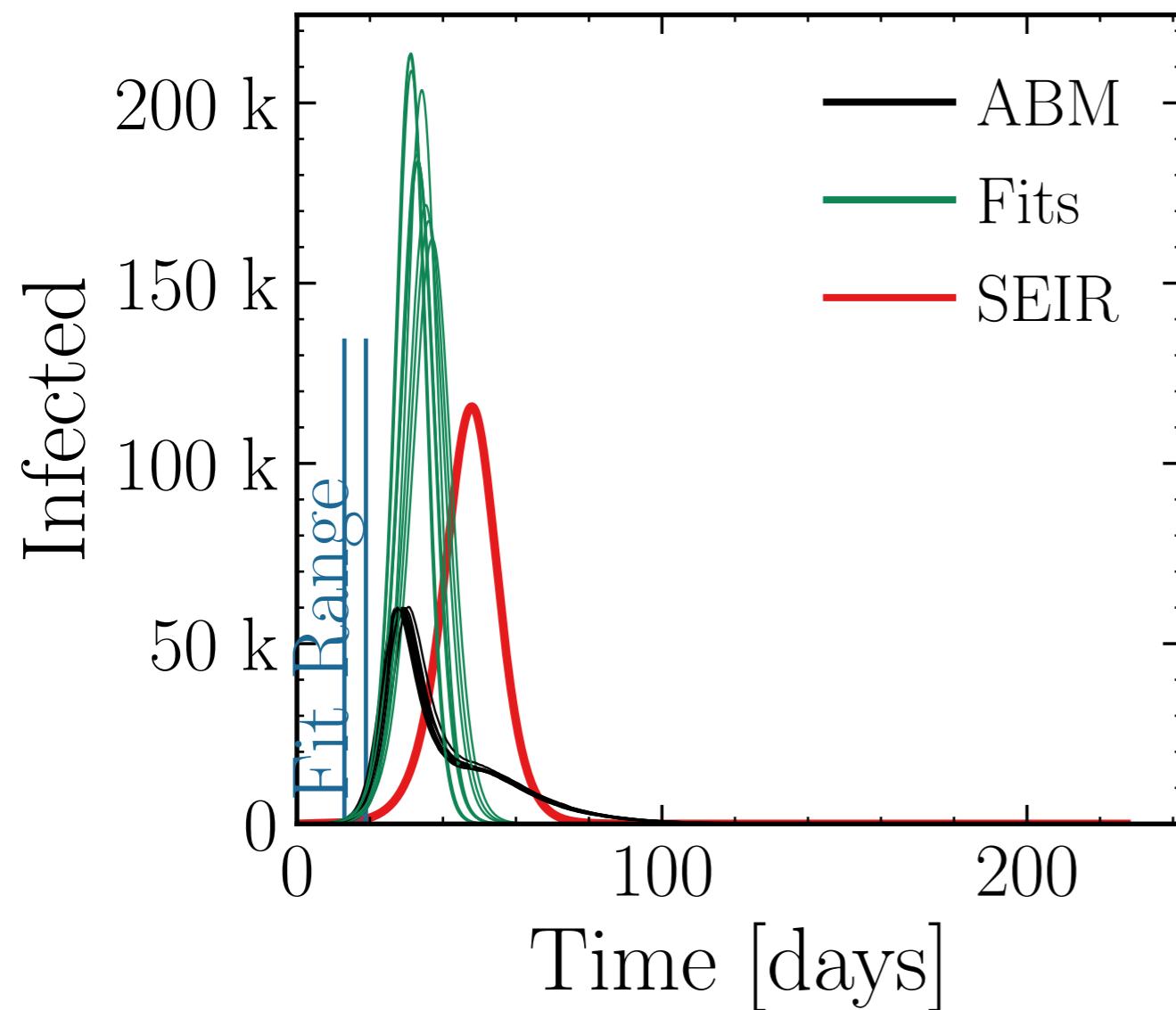
$$I_{\text{max}}^{\text{fit}} = (189 \pm 3.1\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 3.16 \pm 0.098$$

$$\text{v.} = 1.0, \text{hash} = \text{dd6f7050d8}, \#10$$

$$R_{\infty}^{\text{fit}} = (577.8 \pm 0.1\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.809 \pm 0.0021$$



$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 20.0$, $\sigma_\mu = 1.0$, $\beta = 0.04$, $\sigma_\beta = 0.0$, 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_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β scaling} = 10.0, event_{weekendmultiplier} = 1.0

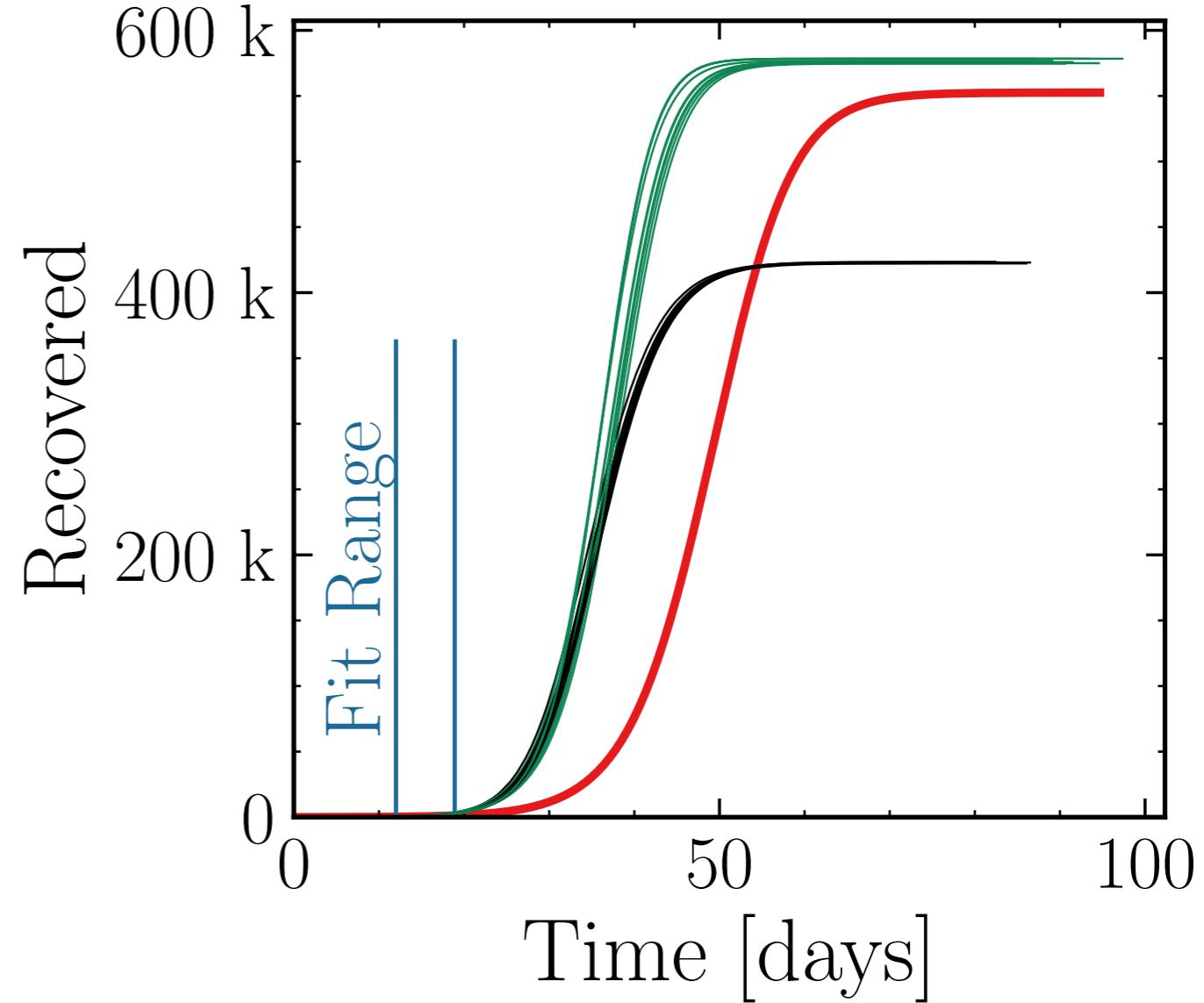
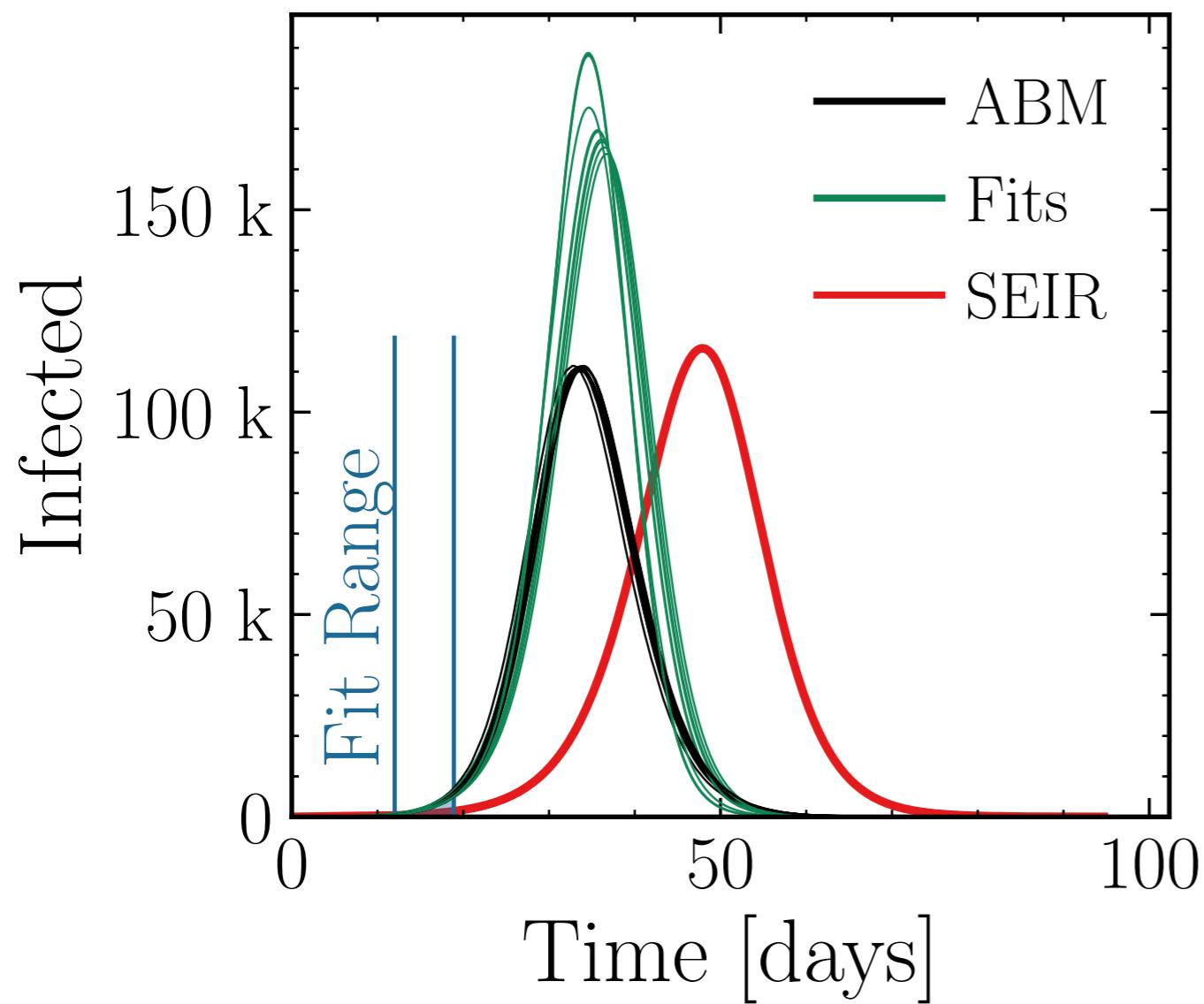
$$I_{\text{max}}^{\text{fit}} = (174 \pm 1.8\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1.57 \pm 0.027$$

$$\text{v.} = 1.0, \text{hash} = 706\text{fdc98c5}, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (576.4 \pm 0.079\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.363 \pm 0.0011$$



$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 20.0$, $\sigma_\mu = 1.0$, $\beta = 0.04$, $\sigma_\beta = 0.0$, 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_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

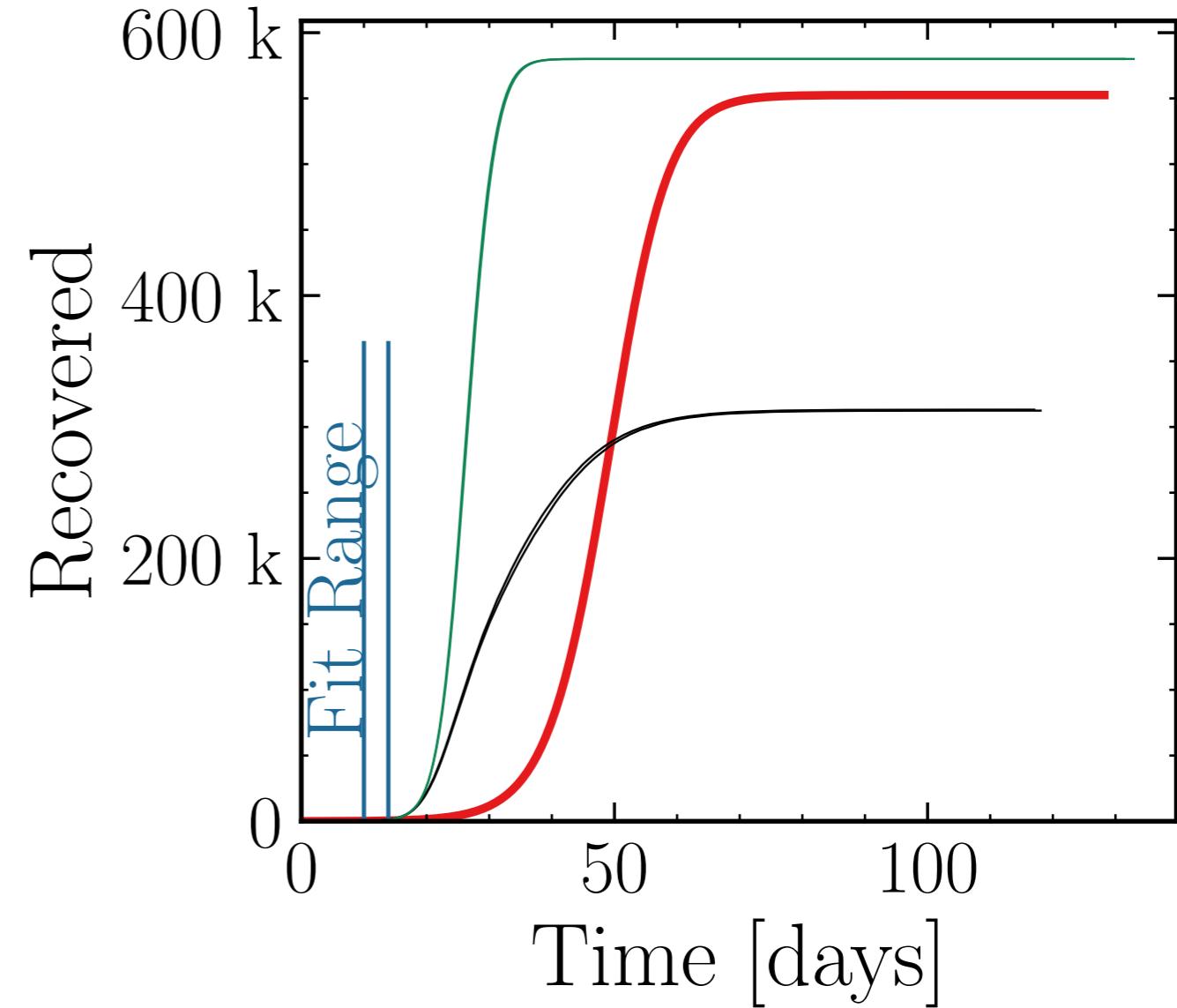
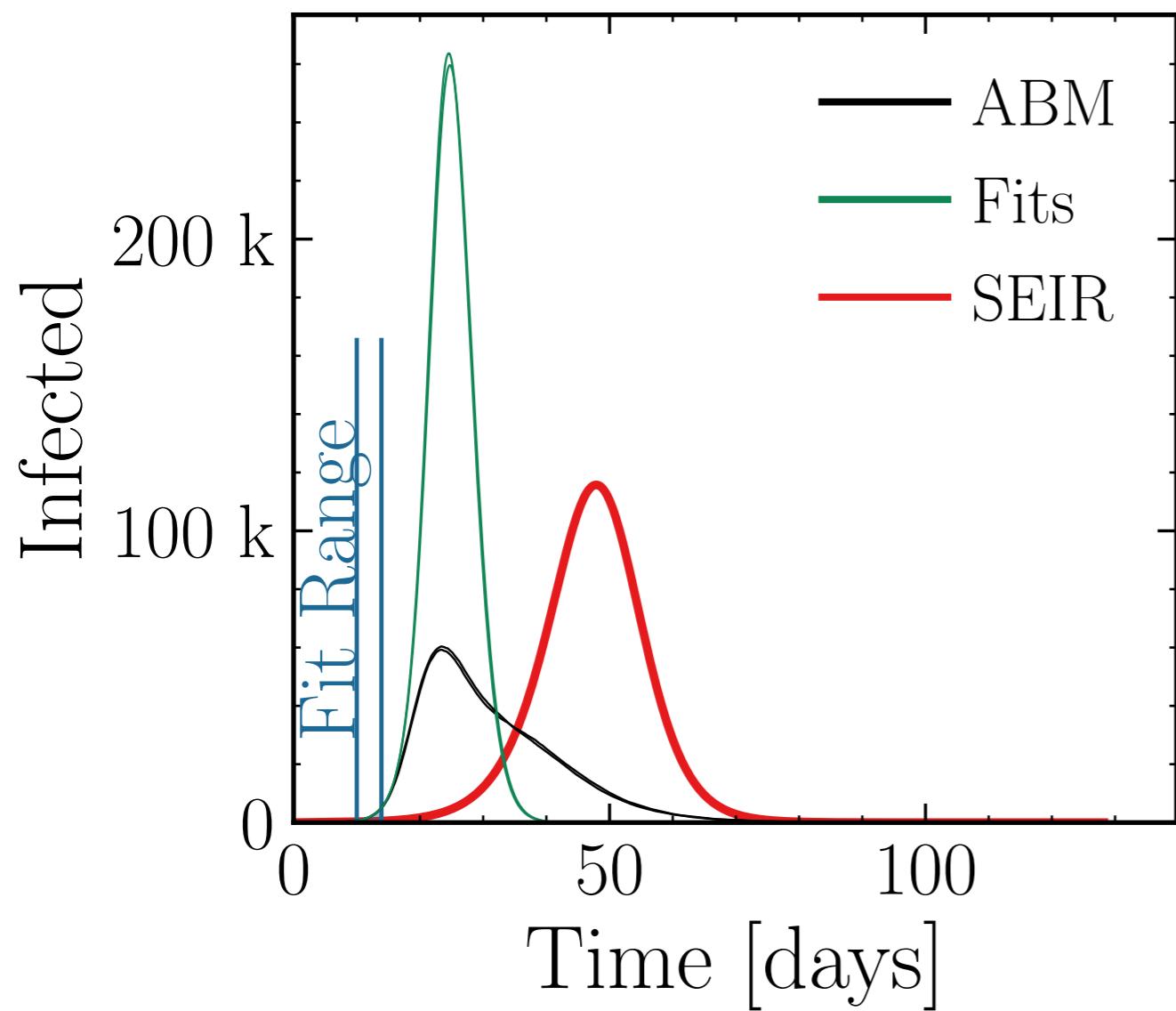
$$I_{\text{max}}^{\text{fit}} = (262 \pm 0.55\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 4.38 \pm 0.052$$

$$\text{v.} = 1.0, \text{hash} = 26f744f076\#2$$

$$R_{\infty}^{\text{fit}} = (579.9996 \pm 3.4e-05\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.854 \pm 0.0016$$



$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 10.0$, $\sigma_\mu = 0.0$, $\beta = 0.04$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$

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

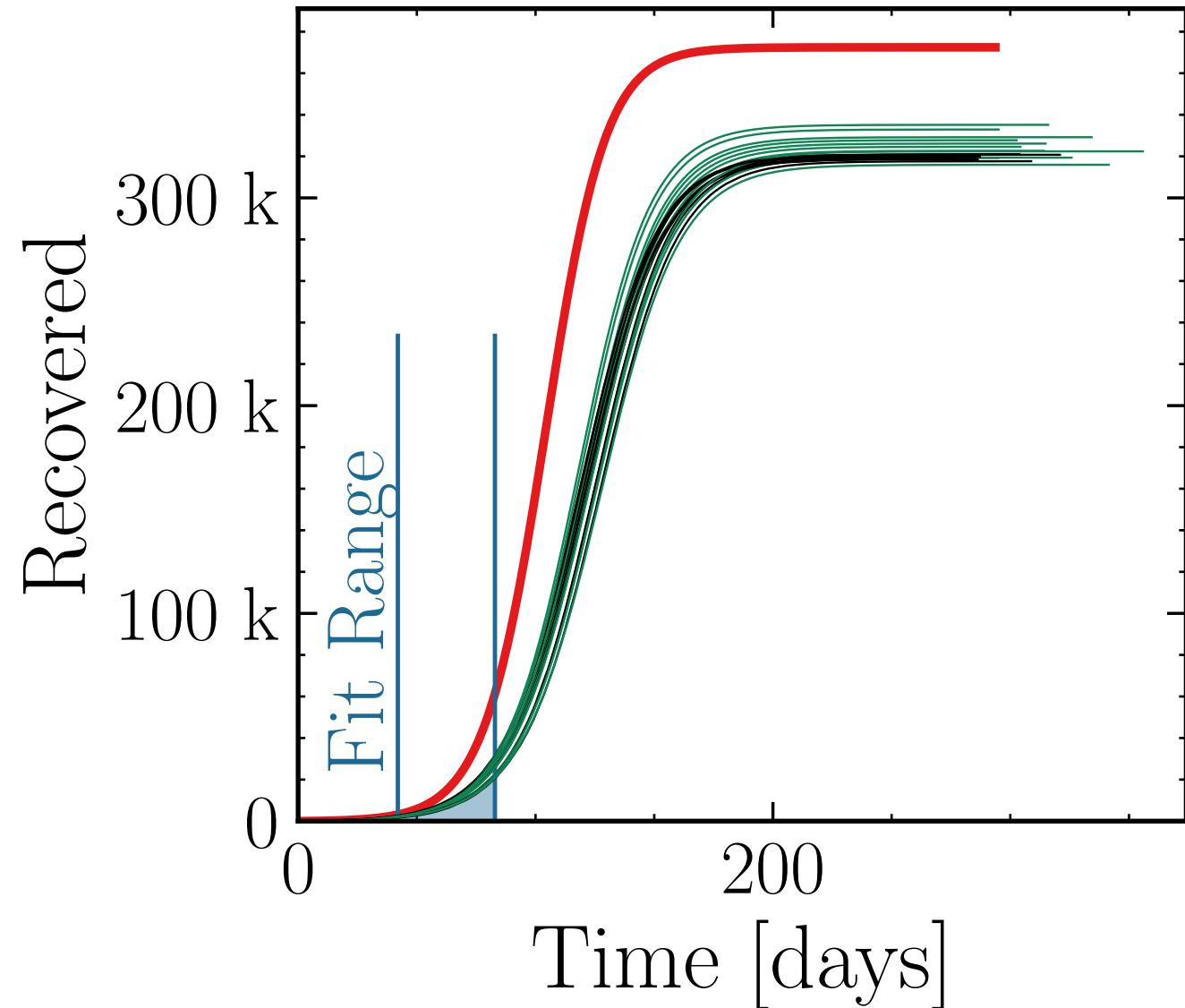
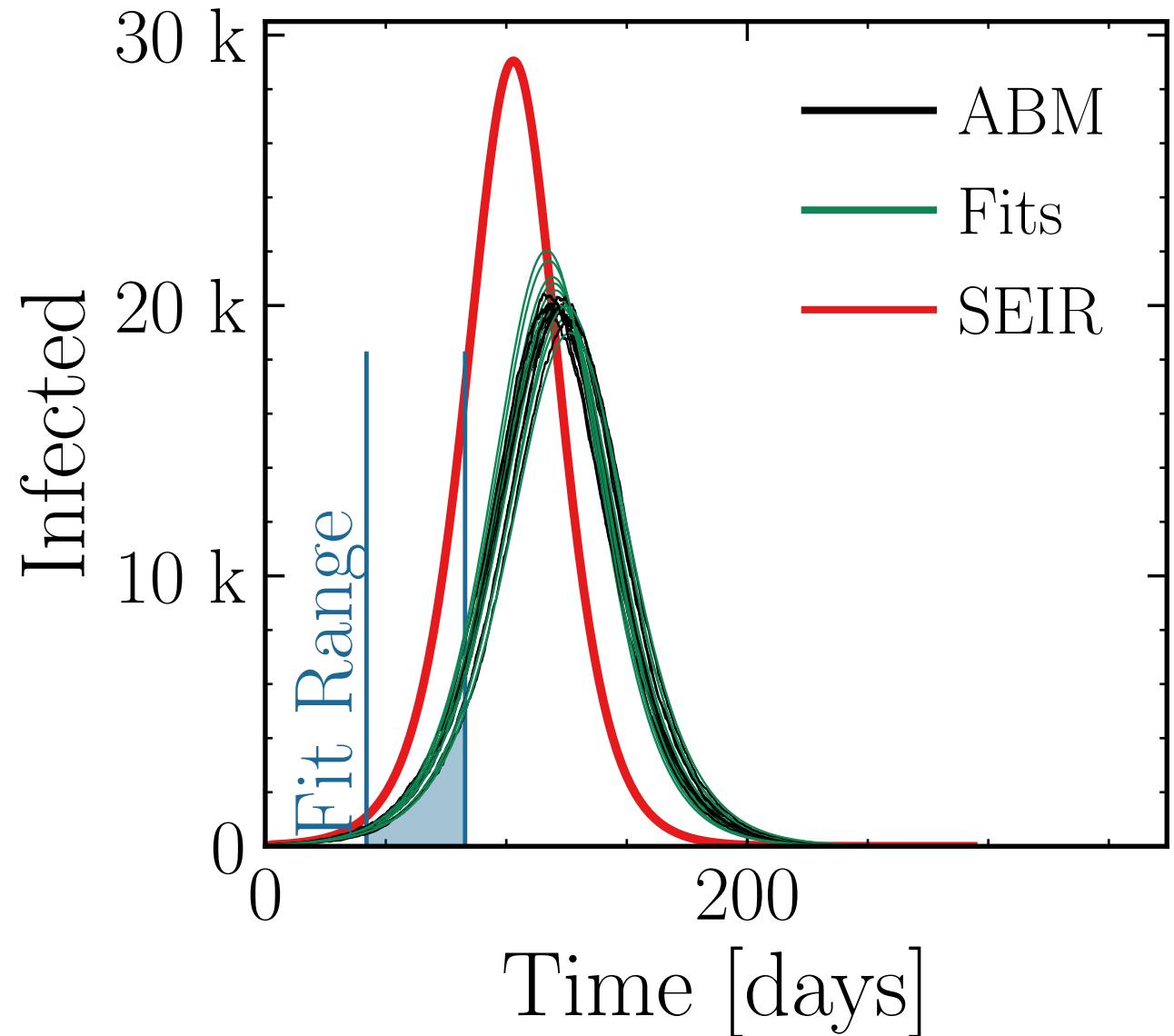
$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β scaling} = 10.0, event_{weekendmultiplier} = 1.0

$$I_{\text{max}}^{\text{fit}} = (20.5 \pm 1.4\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1.02 \pm 0.013 \quad v. = 1.0, \text{ hash} = \text{cfb9b0178e}, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{fit}}} = (326 \pm 0.55\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{fit}}} = 1.019 \pm 0.0051$$



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

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

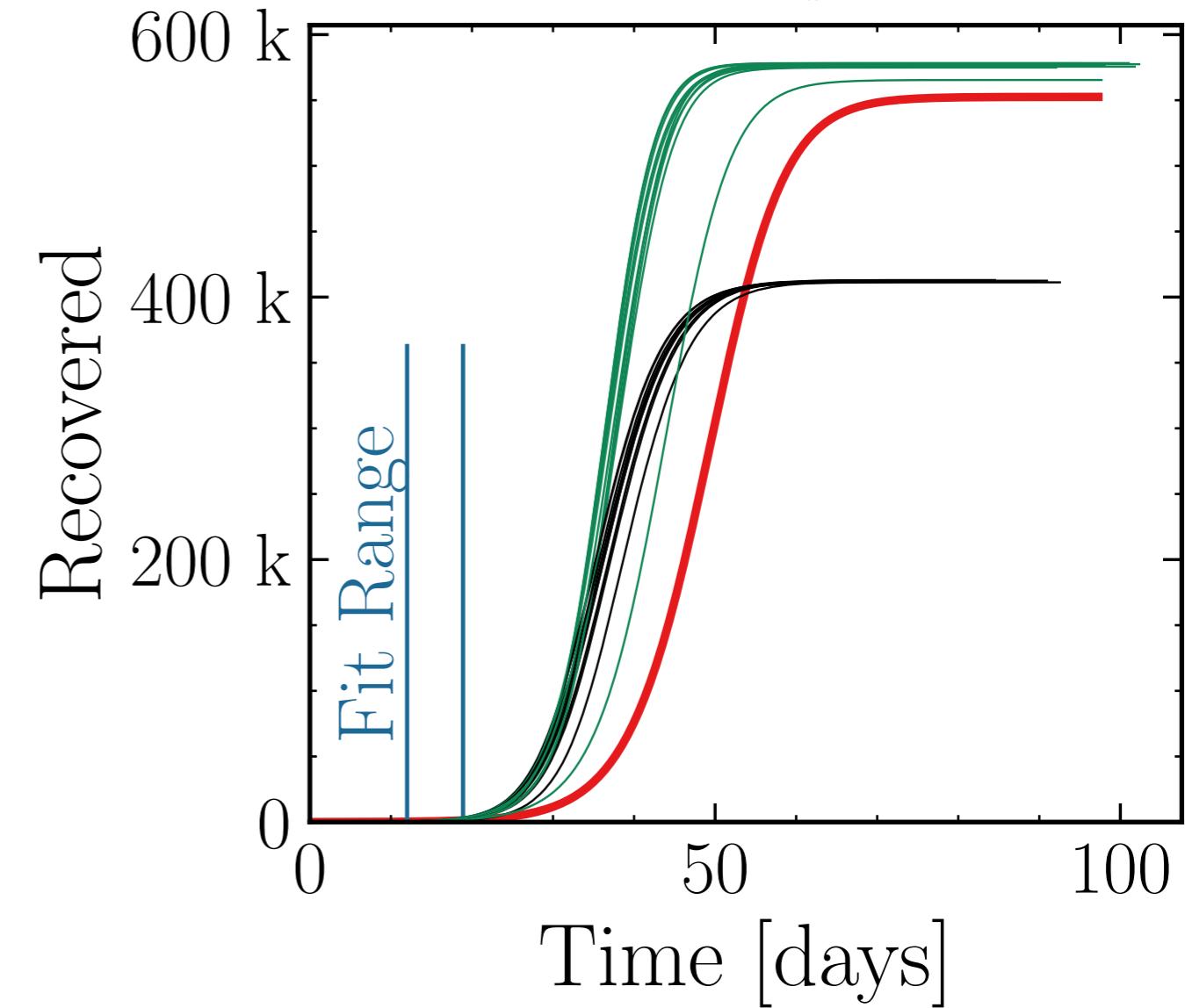
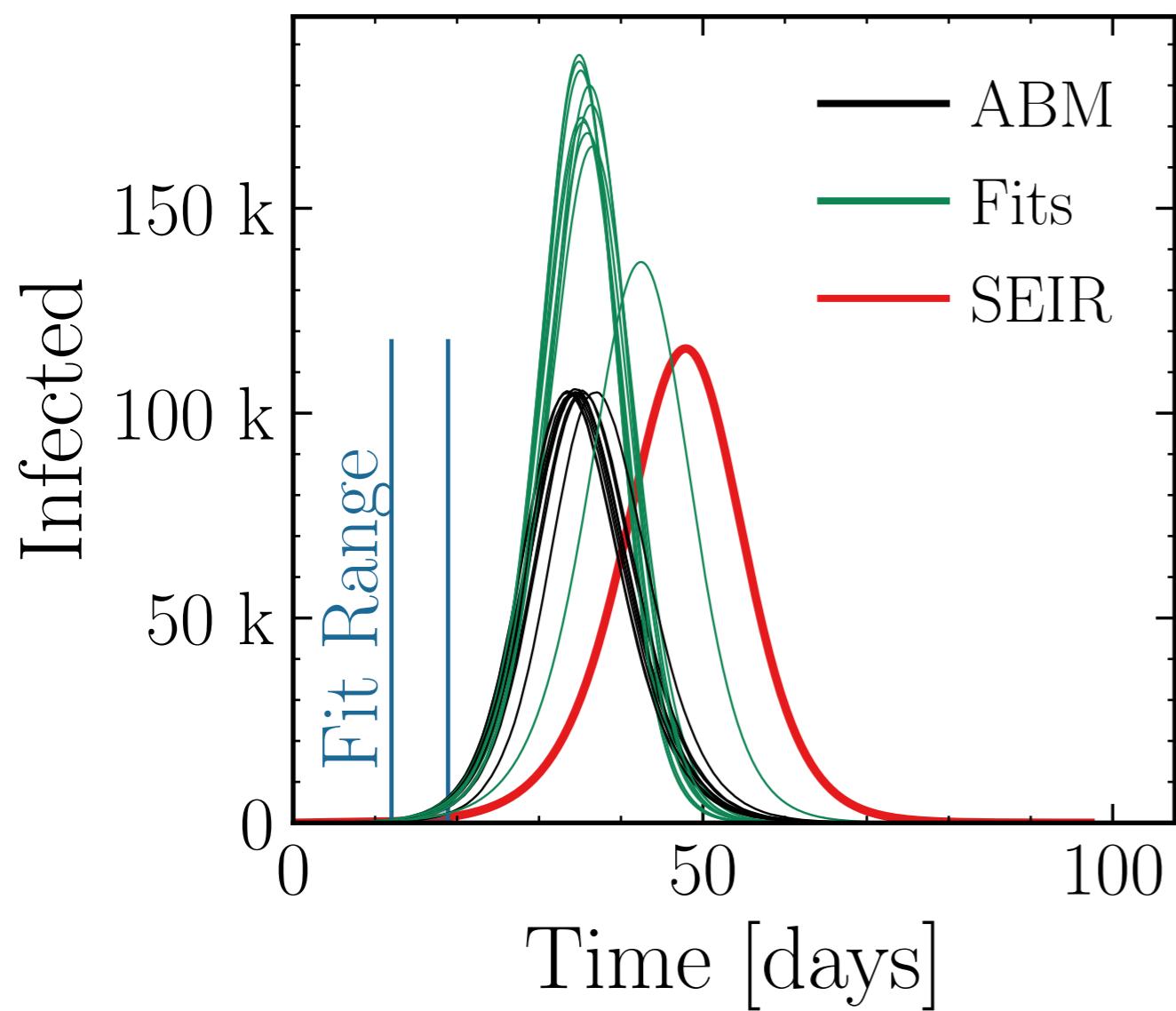
$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

$$I_{\text{max}}^{\text{fit}} = (173 \pm 2.5\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1.64 \pm 0.041 \quad v. = 1.0, \text{hash} = \text{d5eff2449}$$

$$R_{\infty}^{\text{fit}} \# 10 \quad (576 \pm 0.2\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{fit}}} = 1.397 \pm 0.0026$$



$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 10.0$, $\sigma_\mu = 0.0$, $\beta = 0.04$, $\sigma_\beta = 1.0$, 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_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β scaling} = 10.0, event_{weekendmultiplier} = 1.0

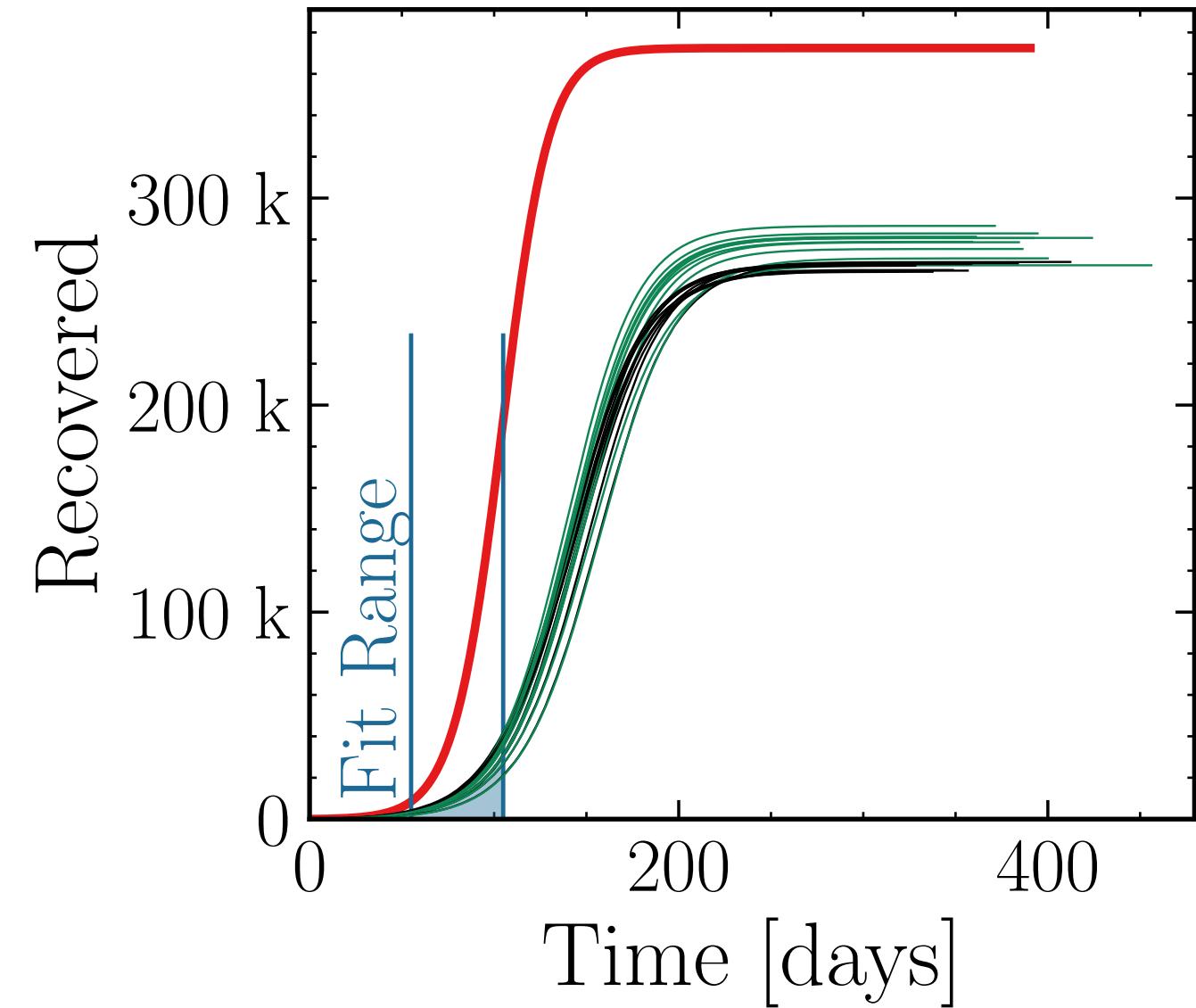
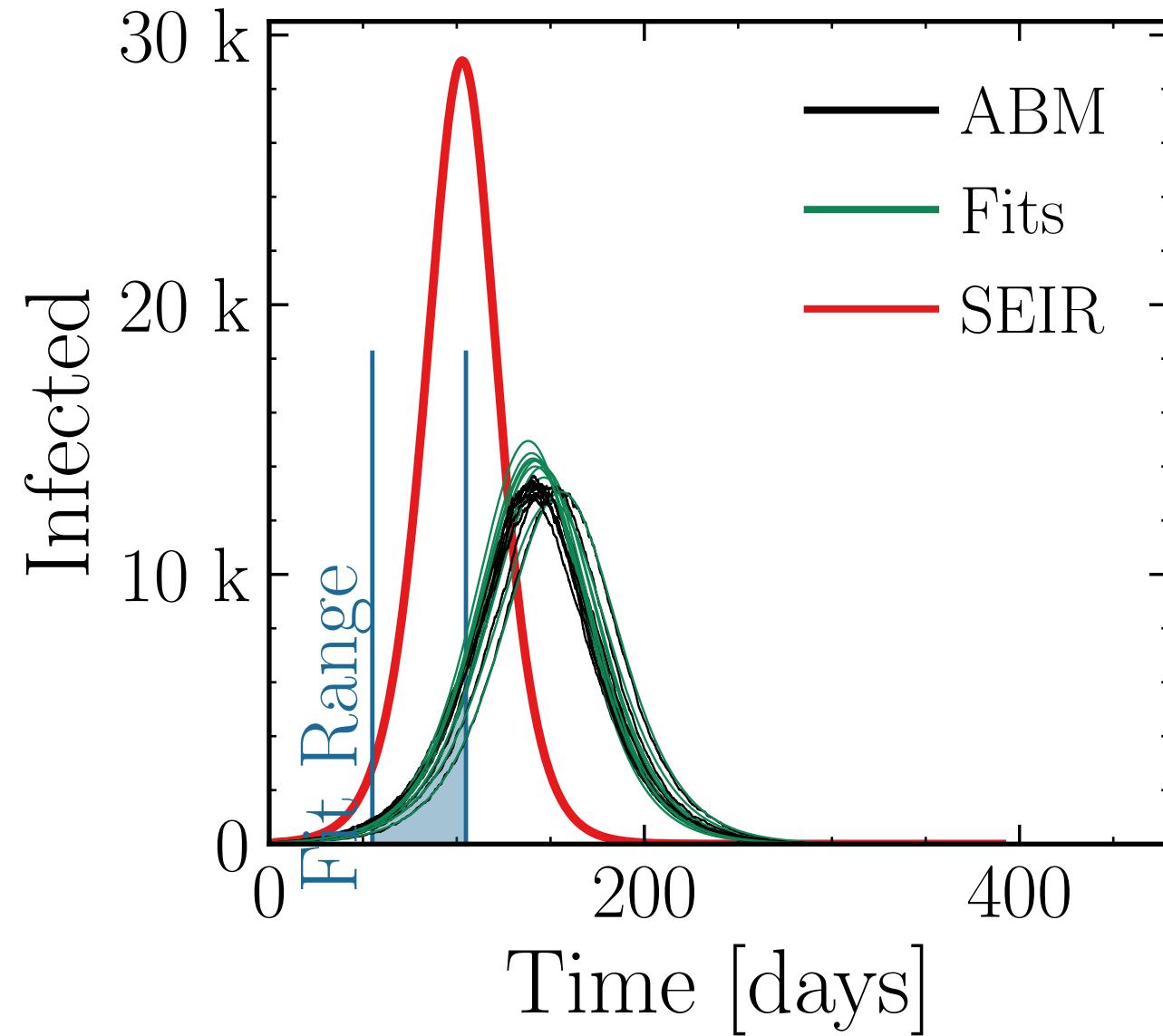
$$I_{\text{max}}^{\text{fit}} = (14 \pm 1.4\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{ABM}}^{\text{max}}} = 1.05 \pm 0.016$$

$$\text{v.} = 1.0, \text{hash} = 1636143\text{eeaa}, \#10$$

$$R_{\infty}^{\text{fit}} = (278 \pm 0.62\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.043 \pm 0.0077$$



$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 10.0$, $\sigma_\mu = 0.0$, $\beta = 0.04$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$

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

$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

$$I_{\text{max}}^{\text{fit}} = (132 \pm 4.0\%) \cdot 10^3$$

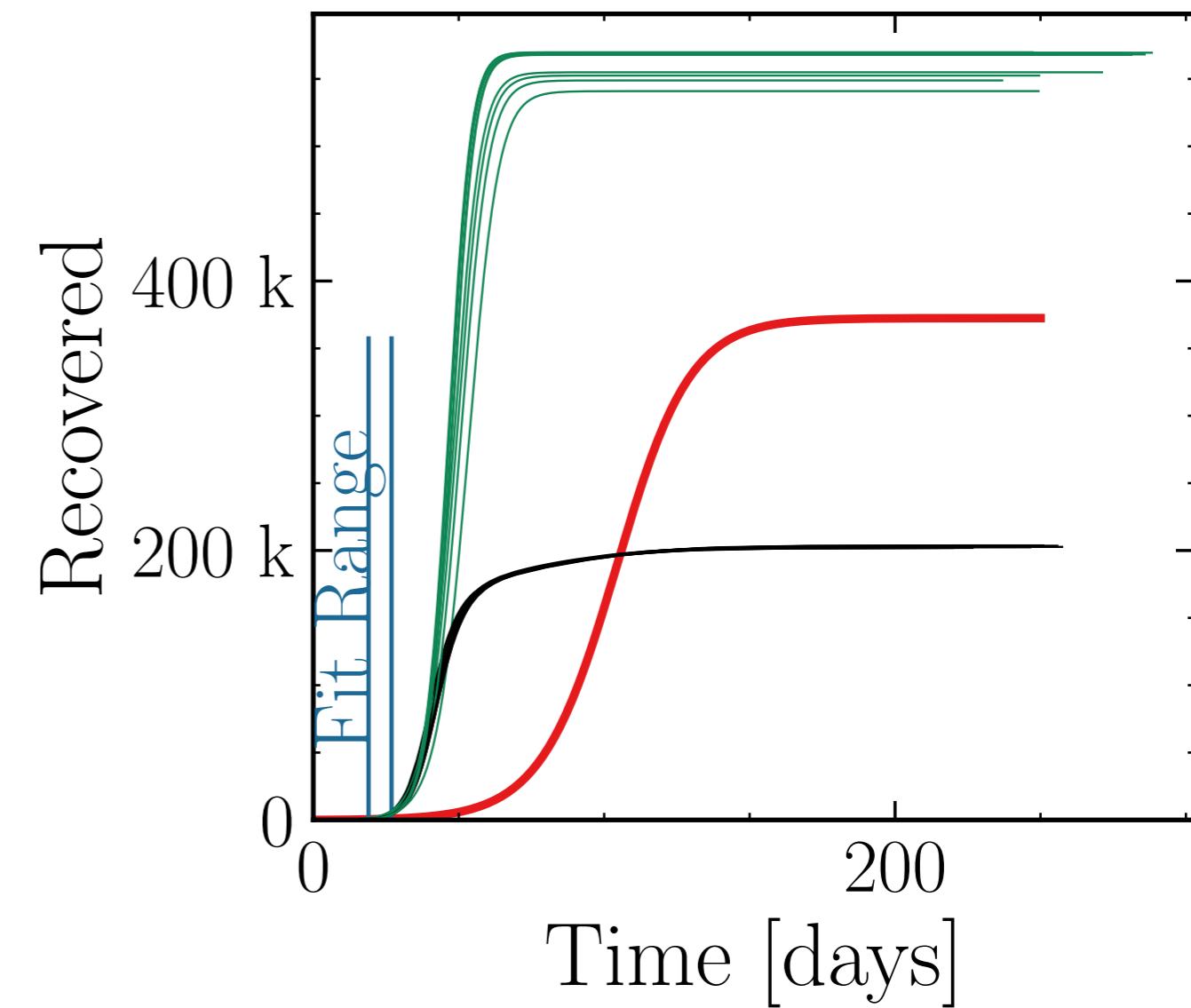
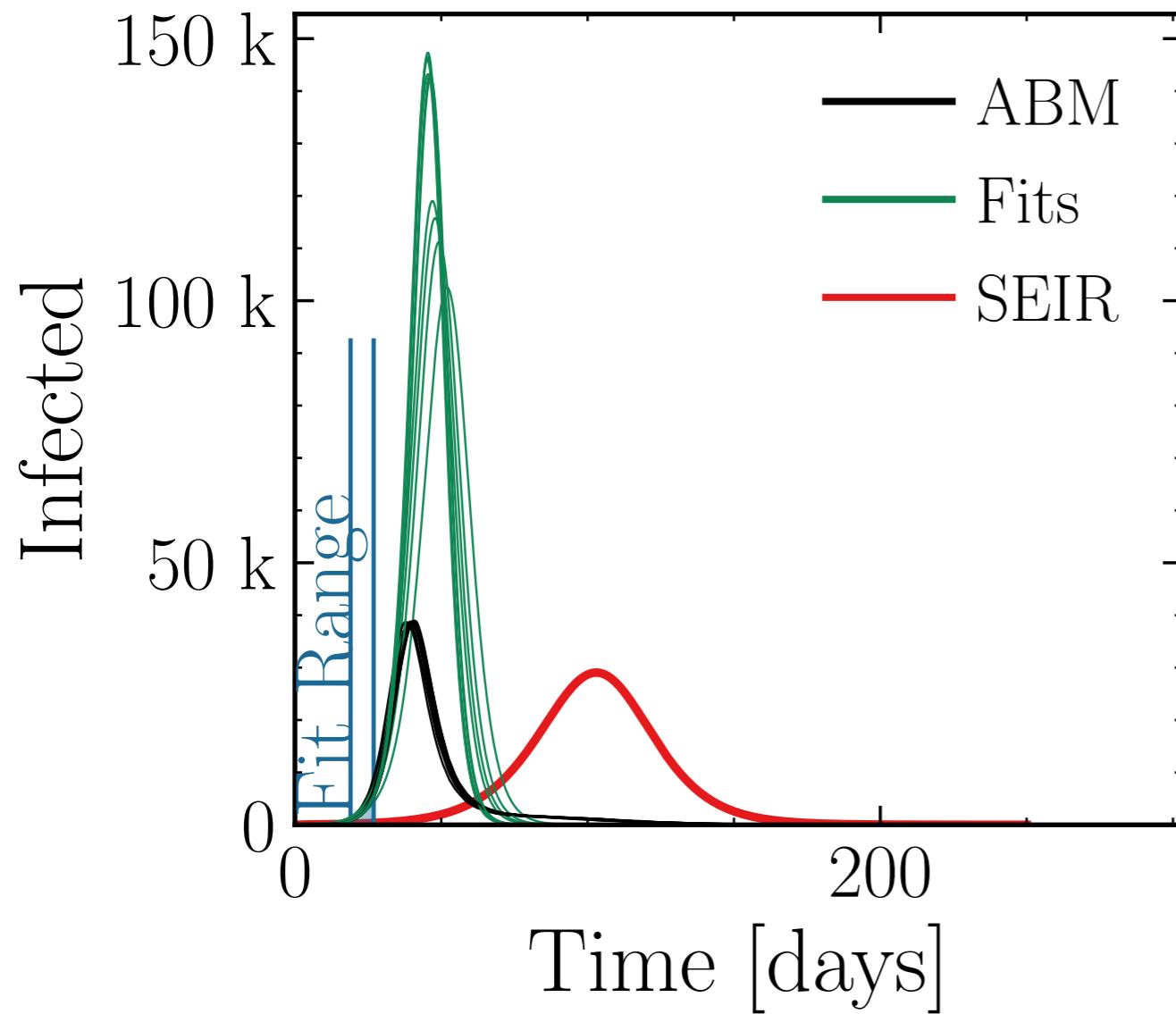
$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 3.4 \pm 0.14$$

$$\text{v.} = 1.0$$

$$\text{hash} = \text{dea6571a29}, \#10$$

$$R_{\infty}^{\text{fit}} = (561 \pm 0.57\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 2.77 \pm 0.015$$



$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 20.0$, $\sigma_\mu = 1.0$, $\beta = 0.04$, $\sigma_\beta = 1.0$, 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_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

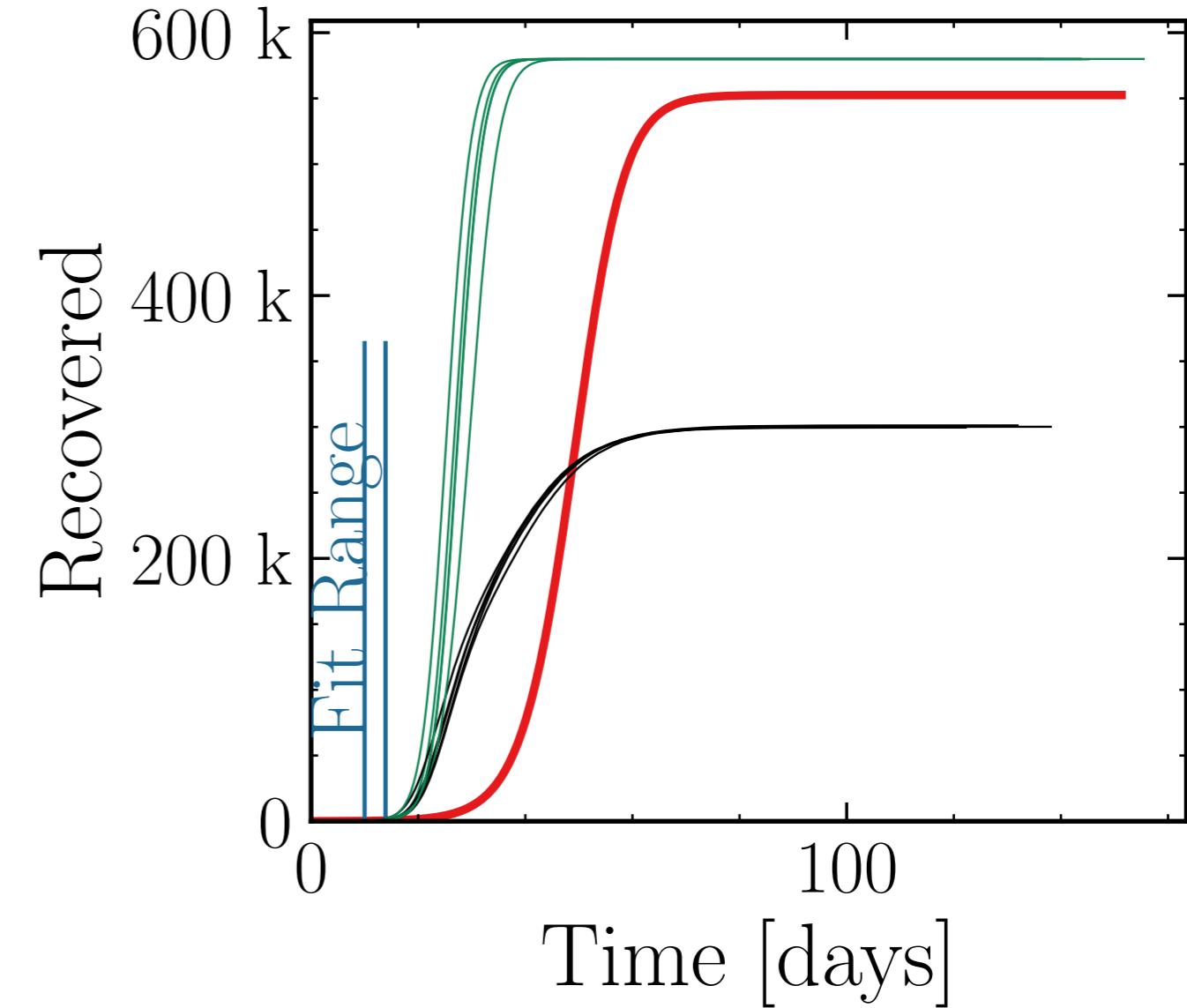
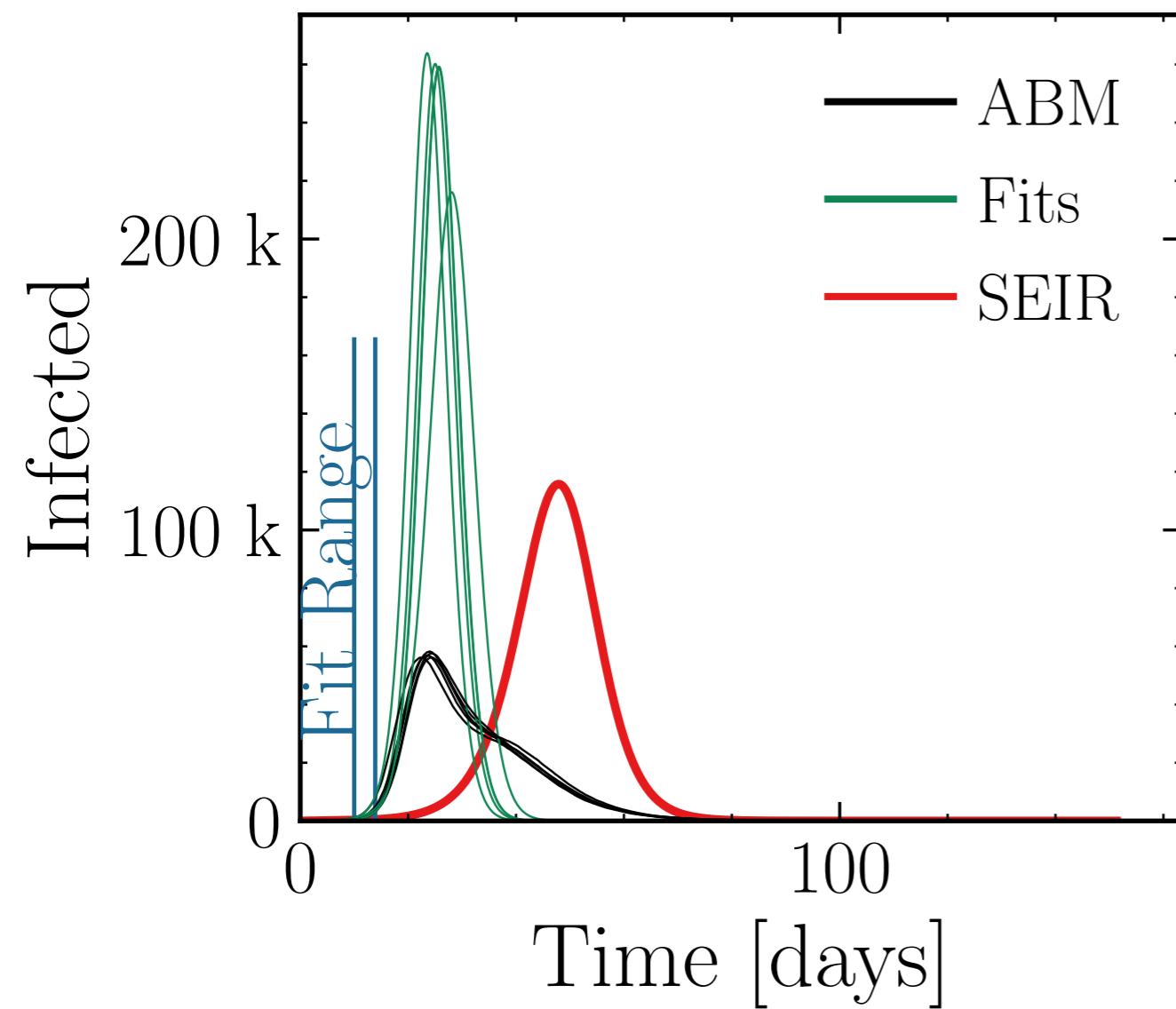
$$I_{\text{max}}^{\text{fit}} = (252 \pm 3.2\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 4.4 \pm 0.14$$

$$\text{v.} = 1.0, \text{hash} = 3ba8515e7d\#5$$

$$R_{\infty}^{\text{fit}} = (579.95 \pm 0.0073\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.931 \pm 0.0016$$



$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 10.0$, $\sigma_\mu = 1.0$, $\beta = 0.04$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$

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

$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

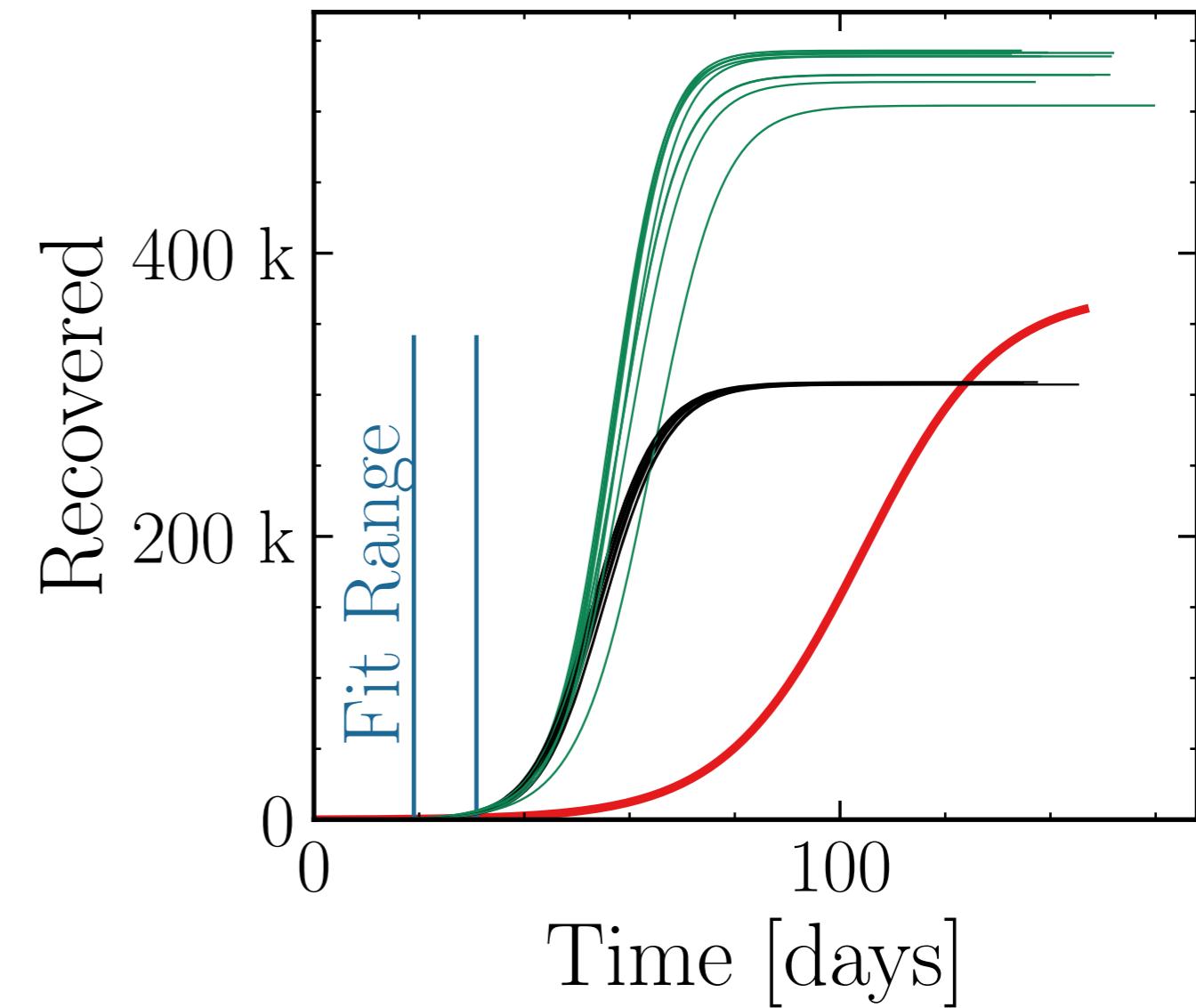
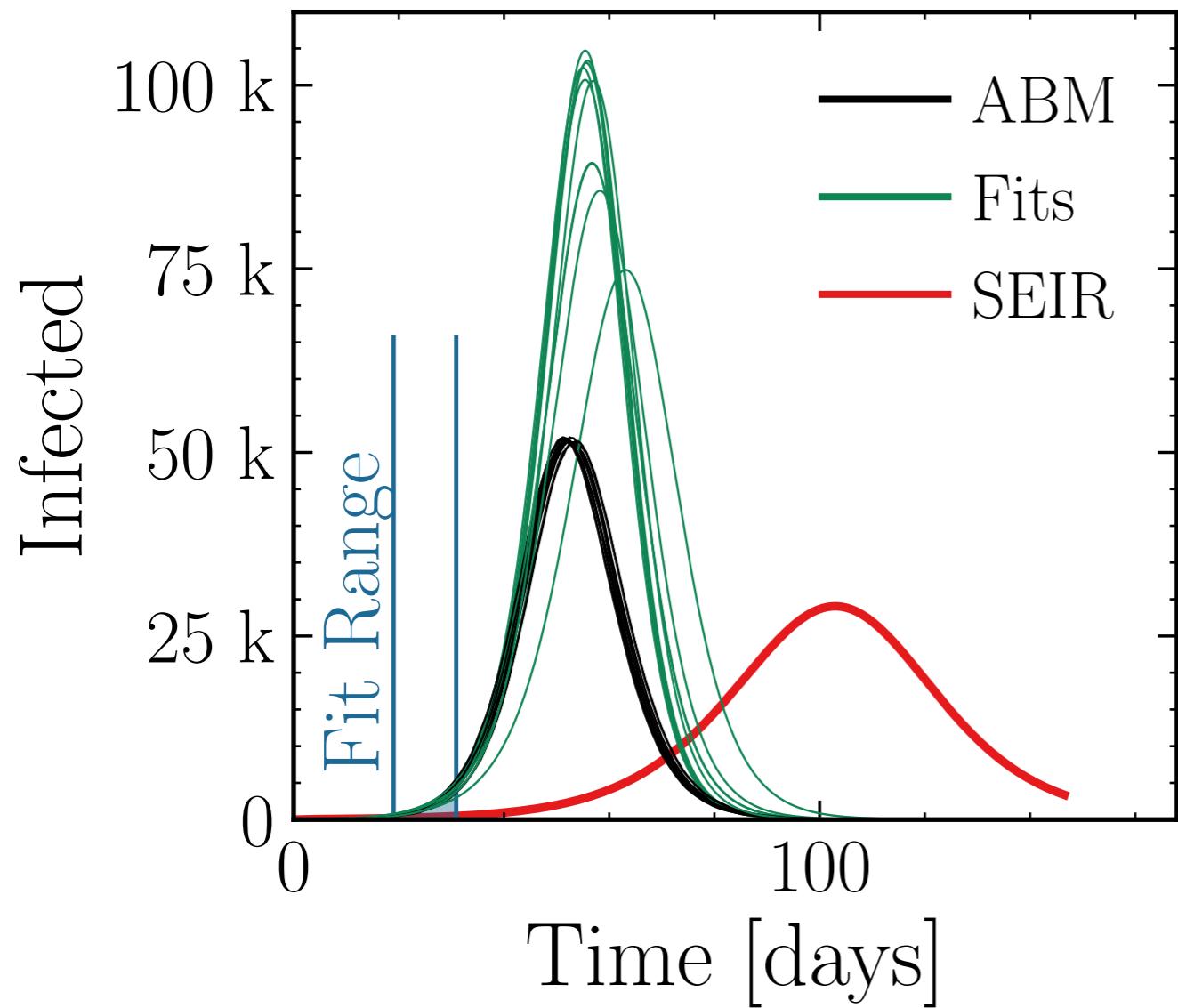
$$I_{\text{max}}^{\text{fit}} = (95 \pm 3.1\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1.85 \pm 0.058$$

$$\text{v.} = 1.0, \text{hash} = 9f2c26422c, \#10$$

$$R_{\infty}^{\text{fit}} = (532 \pm 0.72\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.73 \pm 0.012$$



$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 10.0$, $\sigma_\mu = 0.0$, $\beta = 0.04$, $\sigma_\beta = 1.0$, 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_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

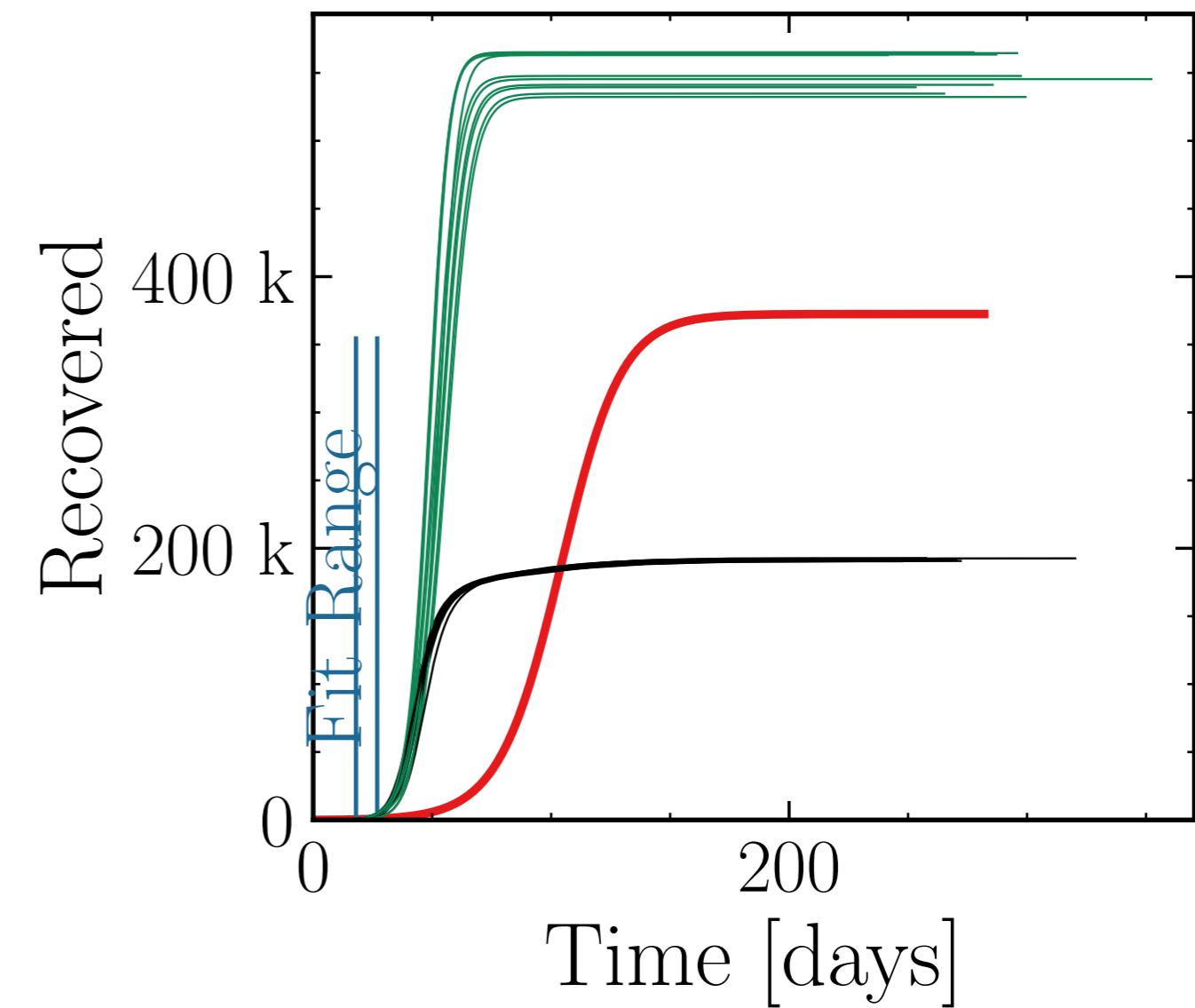
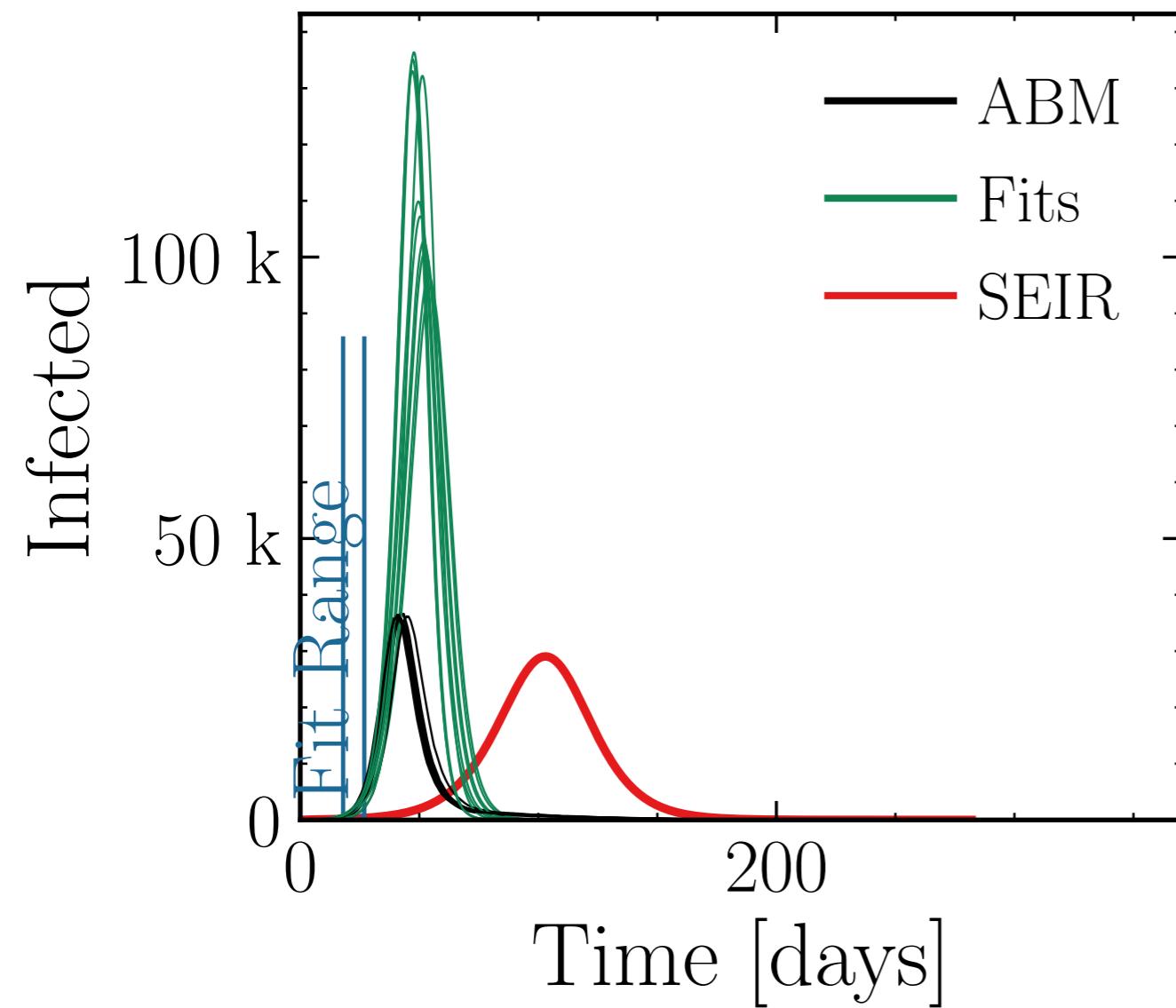
$$I_{\text{max}}^{\text{fit}} = (115 \pm 4.5\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 3.2 \pm 0.15$$

$$\text{v.} = 1.0, \text{hash} = 9\text{dfe73cec4}, \#10$$

$$R_{\infty}^{\text{fit}} = (550 \pm 0.72\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{fit}}} = 2.87 \pm 0.020$$



$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 10.0$, $\sigma_\mu = 1.0$, $\beta = 0.04$, $\sigma_\beta = 1.0$, algo = 2, $N_{\text{init}} = 100$

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

$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

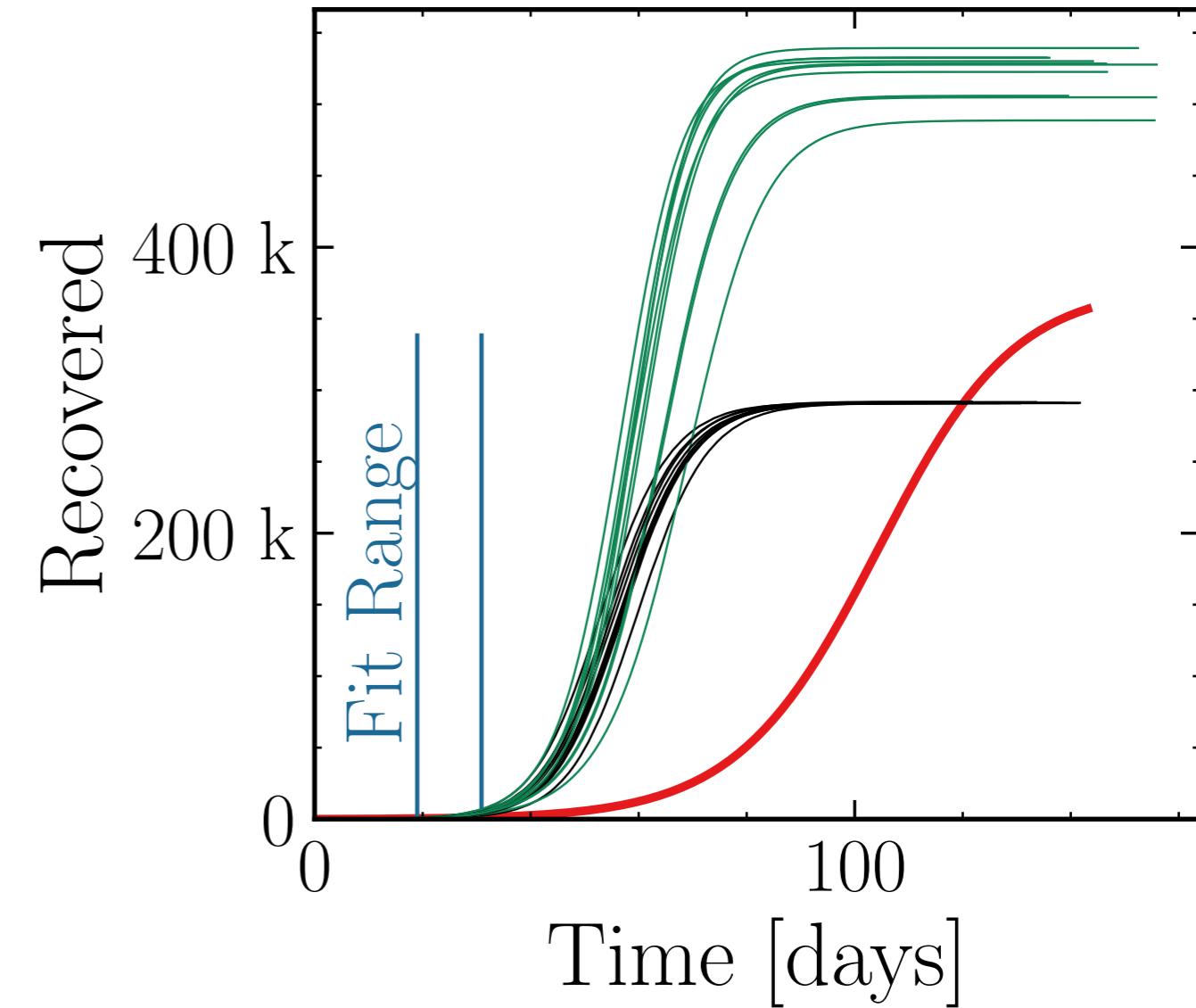
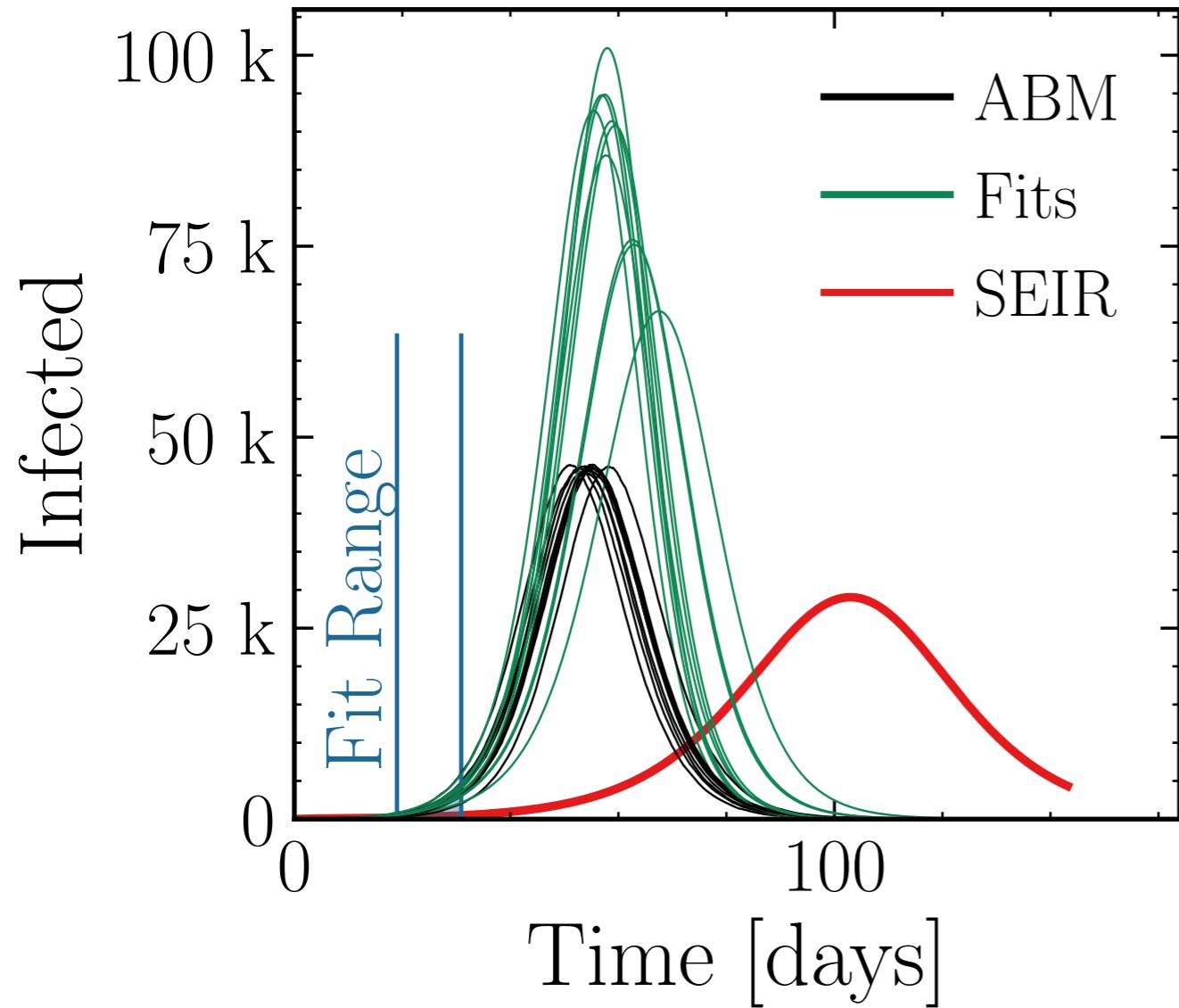
$$I_{\text{max}}^{\text{fit}} = (87 \pm 3.8\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1.89 \pm 0.071$$

$$\text{v.} = 1.0, \text{hash} = 4e70e73586, \#10$$

$$R_{\infty}^{\text{fit}} = (521 \pm 0.93\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.79 \pm 0.016$$



$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 10.0$, $\sigma_\mu = 1.0$, $\beta = 0.04$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$

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

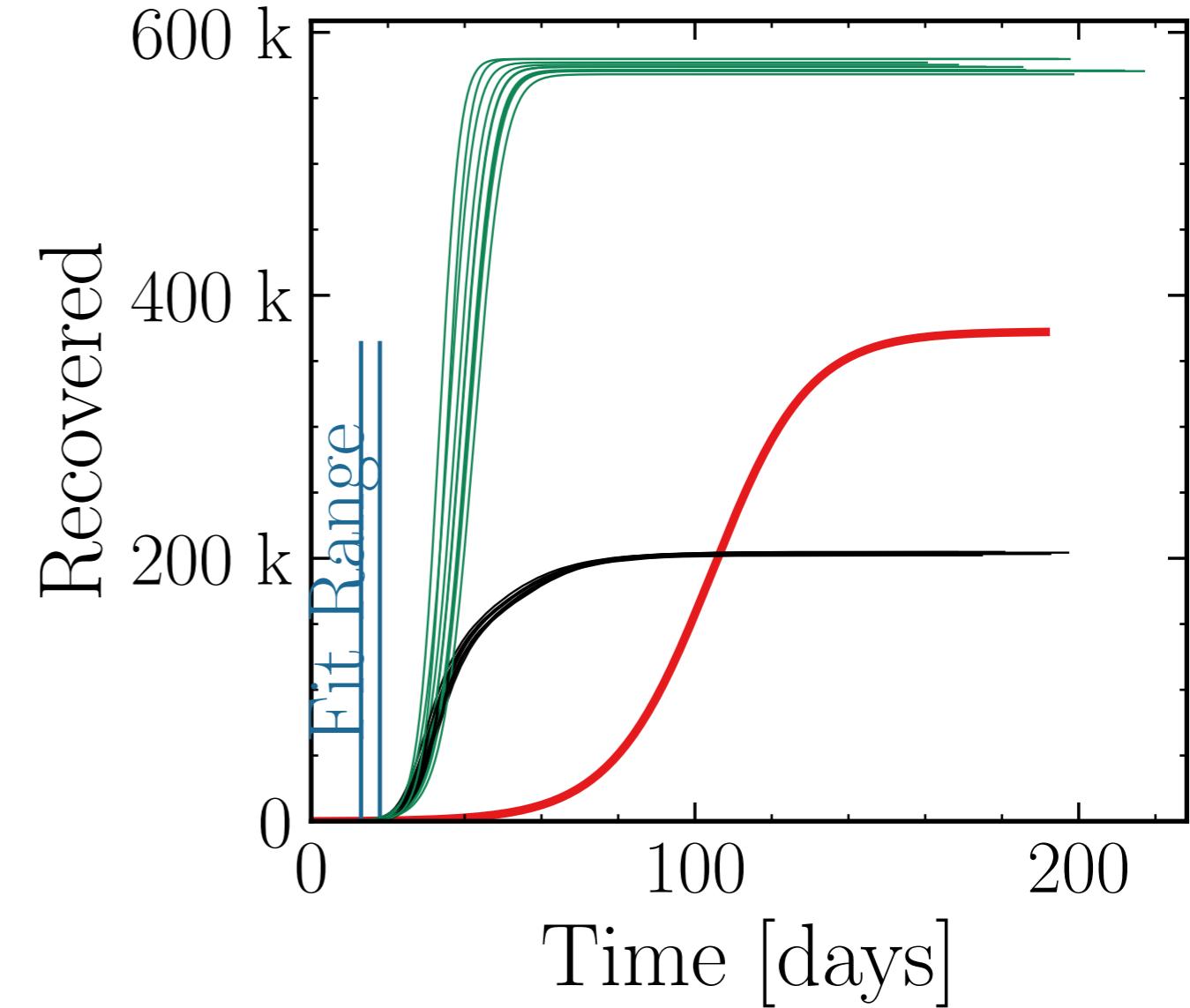
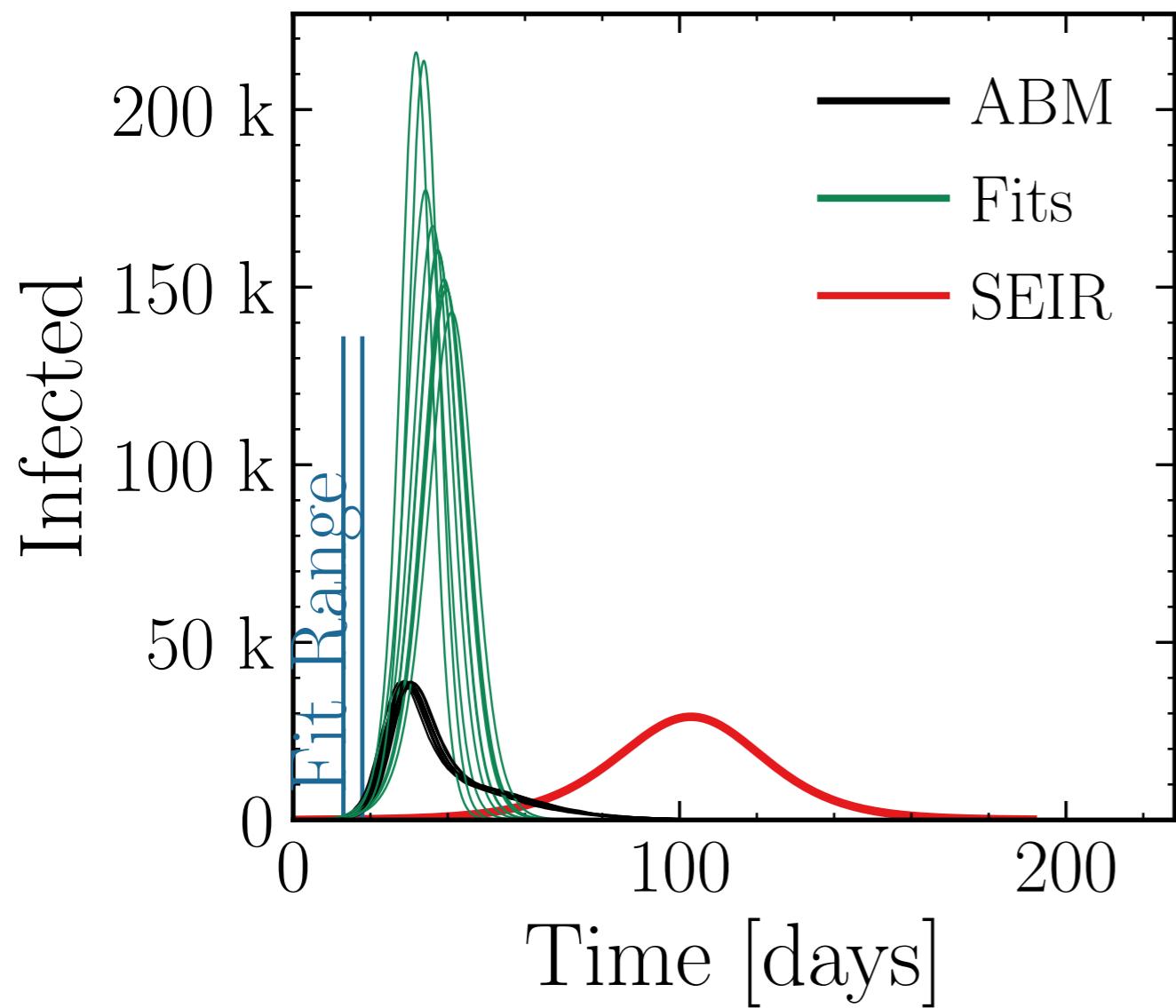
$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

$$I_{\text{max}}^{\text{fit}} = (169 \pm 4.6\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 4.3 \pm 0.20$$

$$v. = 1.0, \text{hash} = 1f636f4f38, R_{\infty}^{\text{fit}} \#(574 \pm 0.21\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{fit}}} = 2.817 \pm 0.0087$$



$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 10.0$, $\sigma_\mu = 1.0$, $\beta = 0.04$, $\sigma_\beta = 1.0$, 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_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

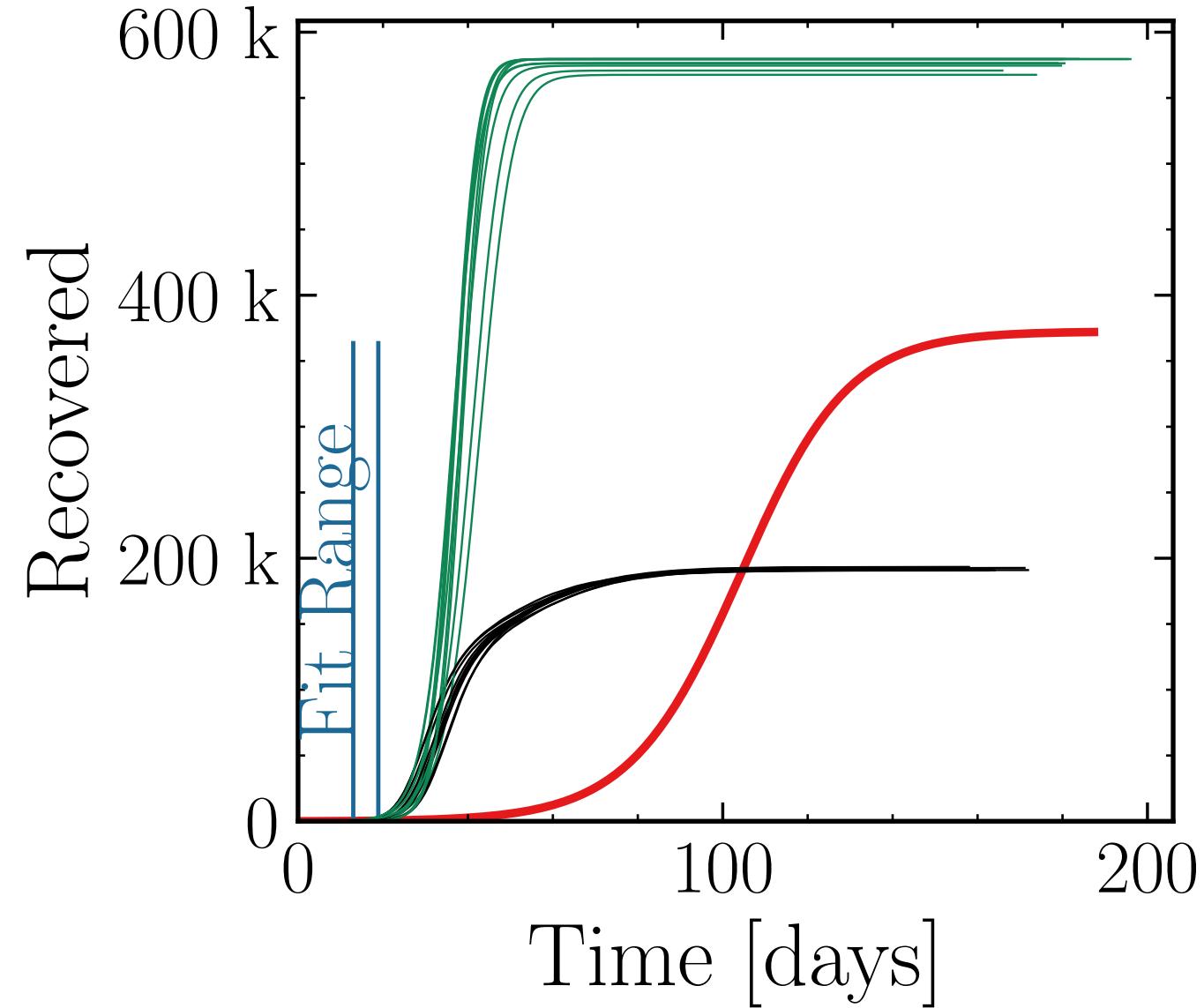
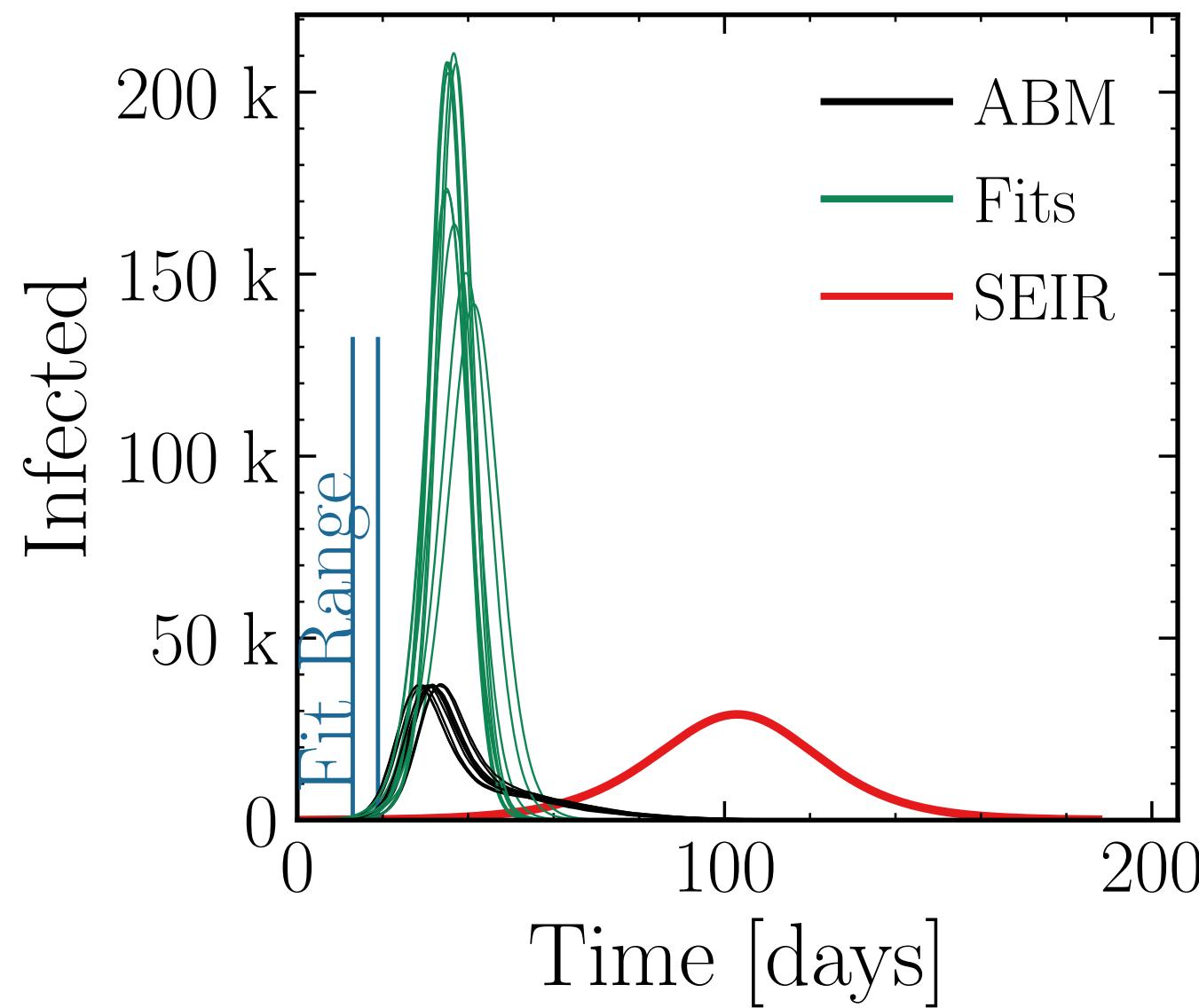
$$I_{\text{max}}^{\text{fit}} = (184 \pm 4.4\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 5 \pm 0.22$$

$$\text{v.} = 1.0, \text{hash} = 82\text{ec}6\text{e}8\text{b}6\text{d}, \#10$$

$$R_{\infty}^{\text{fit}} = (576 \pm 0.22\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 3.007 \pm 0.0094$$



$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.25$, 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_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

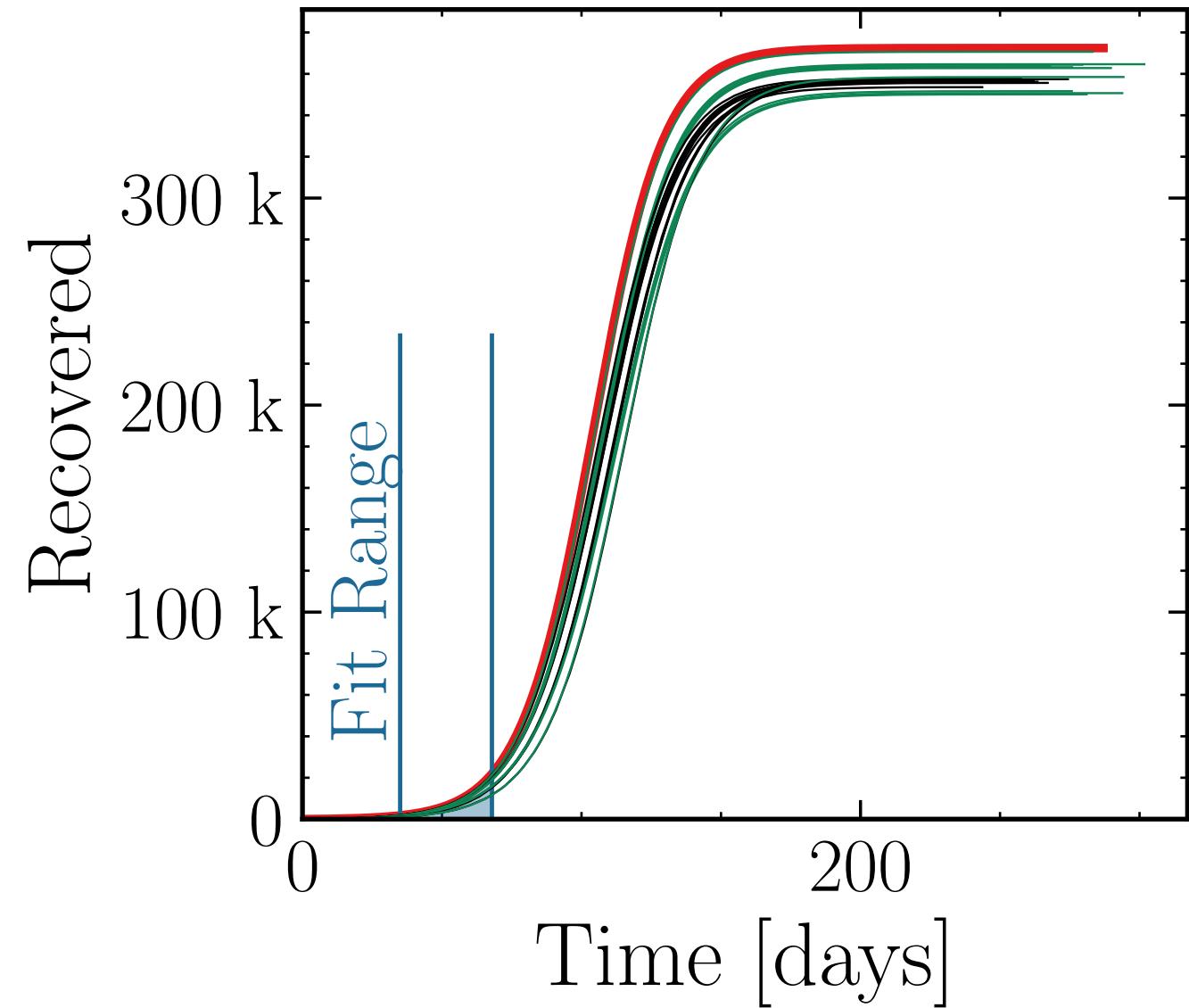
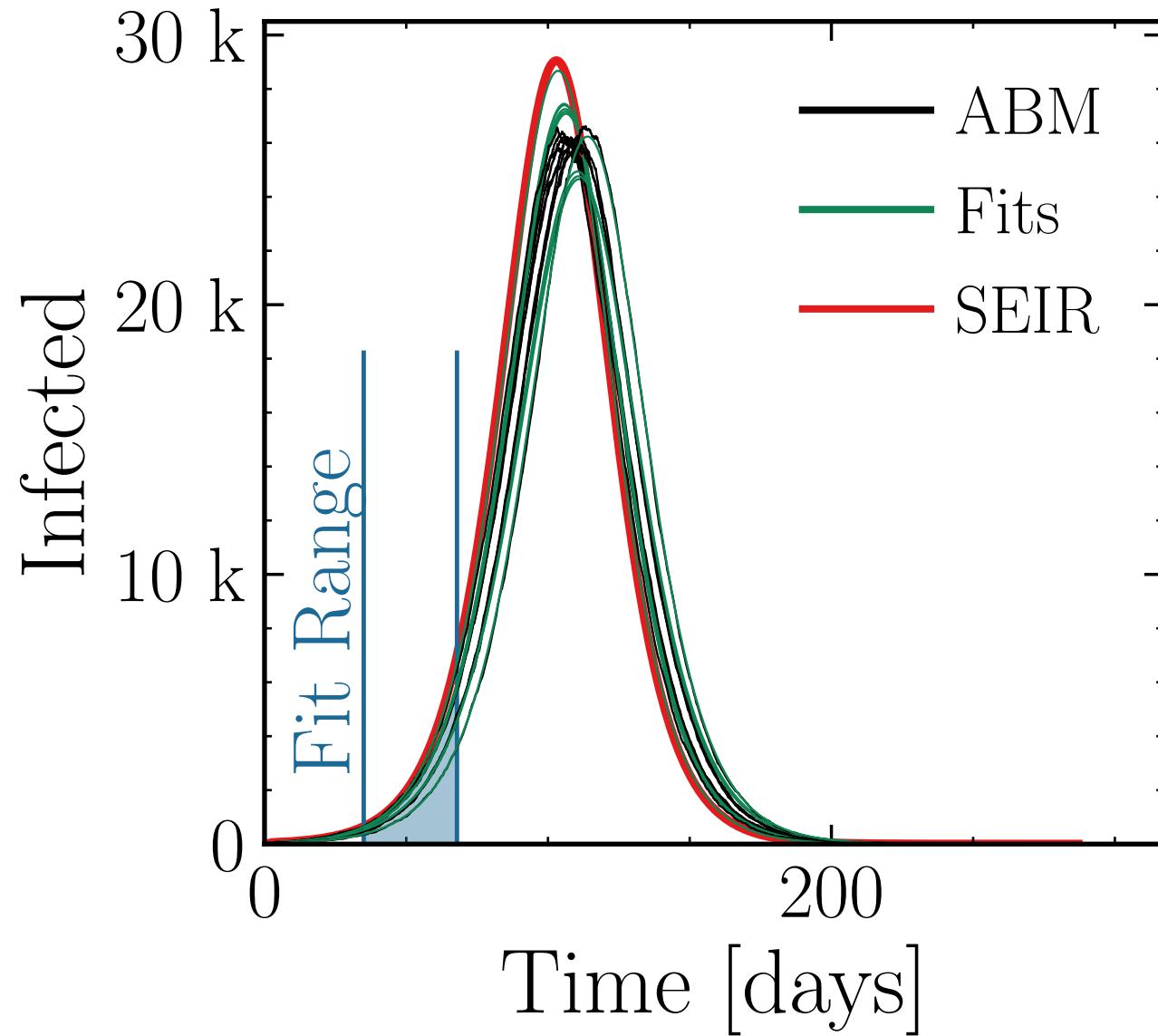
$$I_{\text{max}}^{\text{fit}} = (26.6 \pm 1.5\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{ABM}}^{\text{max}}} = 1.01 \pm 0.015$$

$$\text{v.} = 1.0, \text{hash} = 0dea716209, \#10$$

$$R_{\infty}^{\text{fit}} = (360 \pm 0.59\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.01 \pm 0.0059$$



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

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

$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

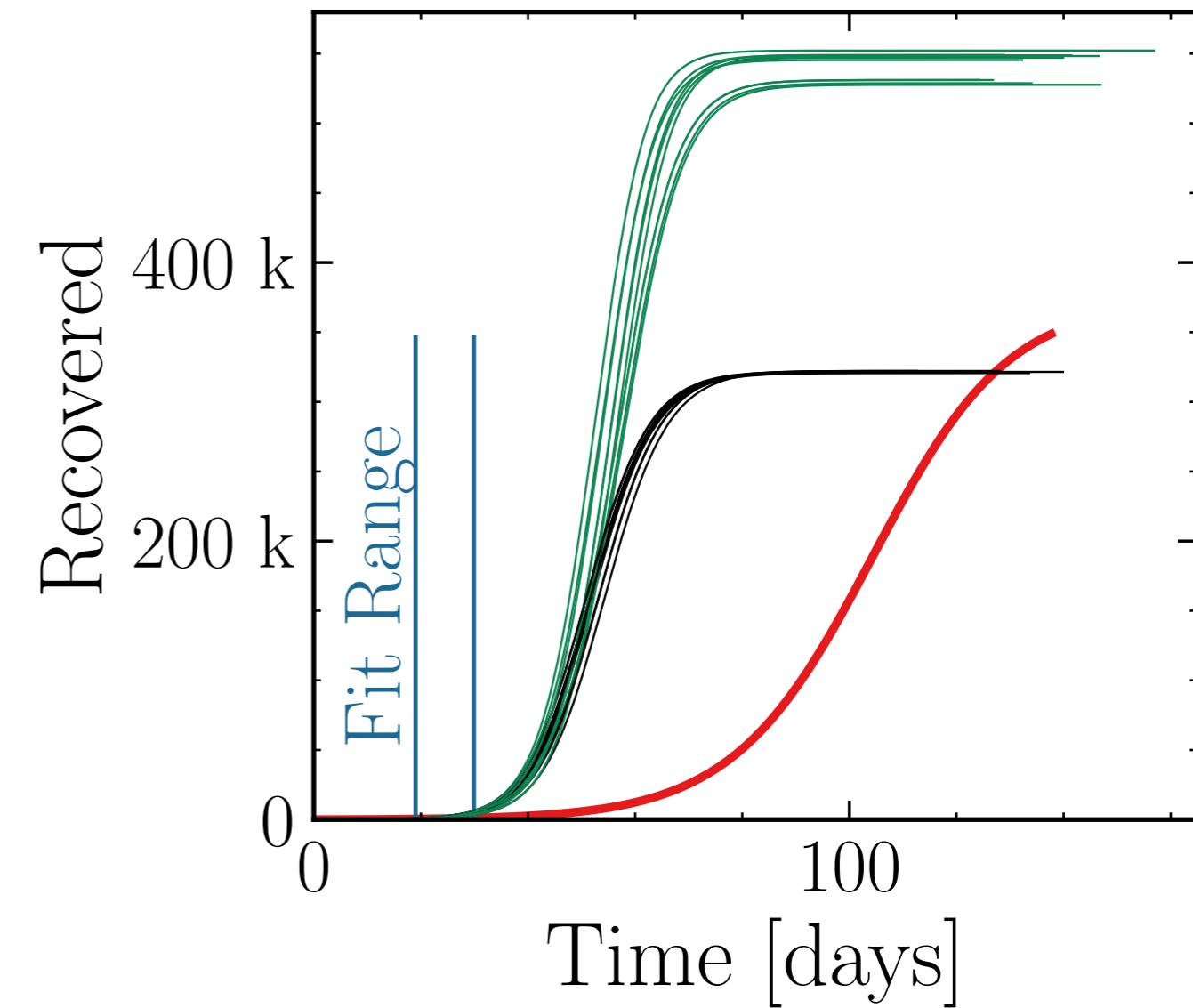
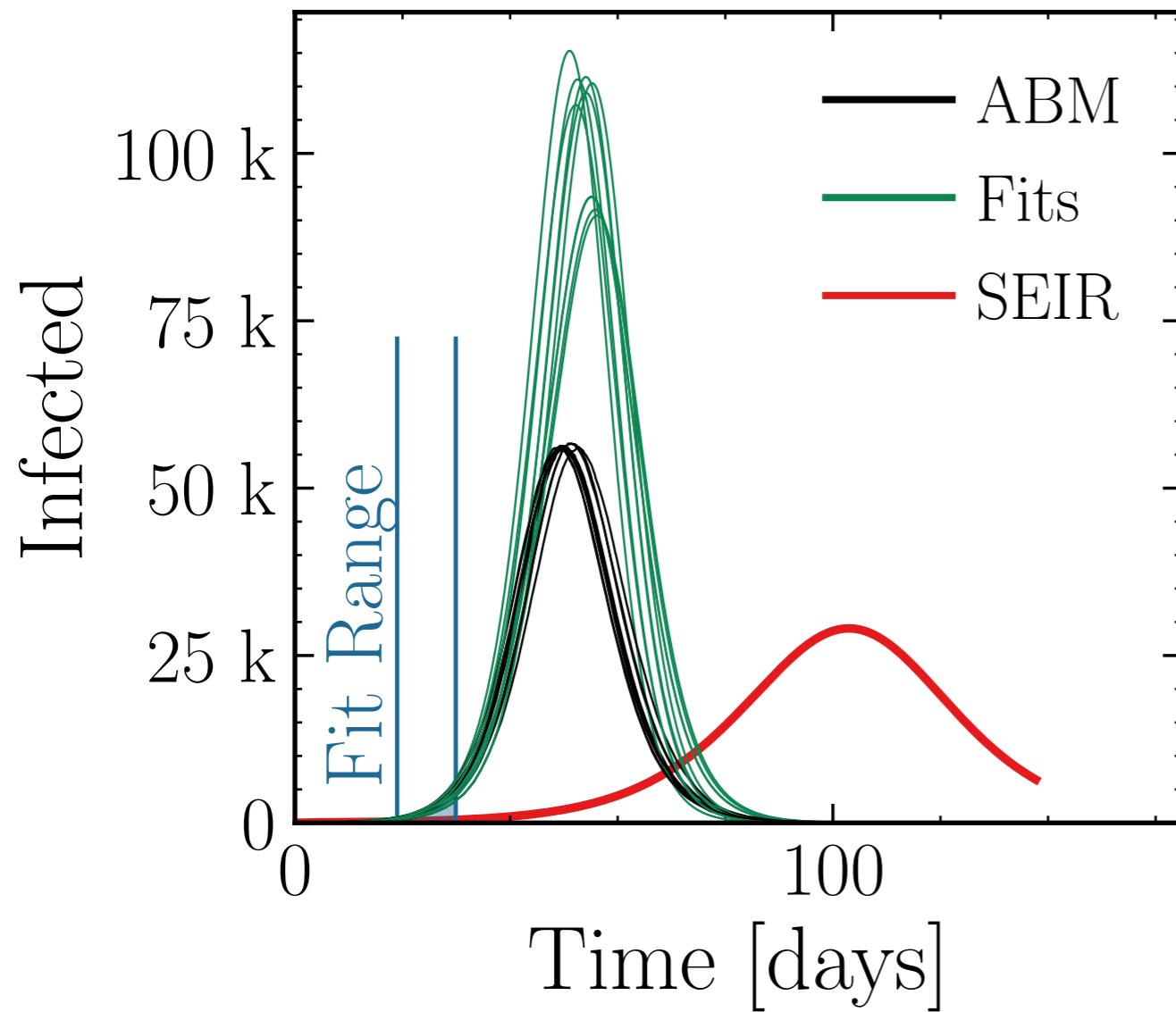
$$I_{\text{max}}^{\text{fit}} = (103 \pm 2.8\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1.84 \pm 0.052$$

$$v. = 1.0, \text{hash} = 0f1d5fcca2$$

$$R_{\infty}^{\text{fit}} = (541 \pm 0.55\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.682 \pm 0.0089$$



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

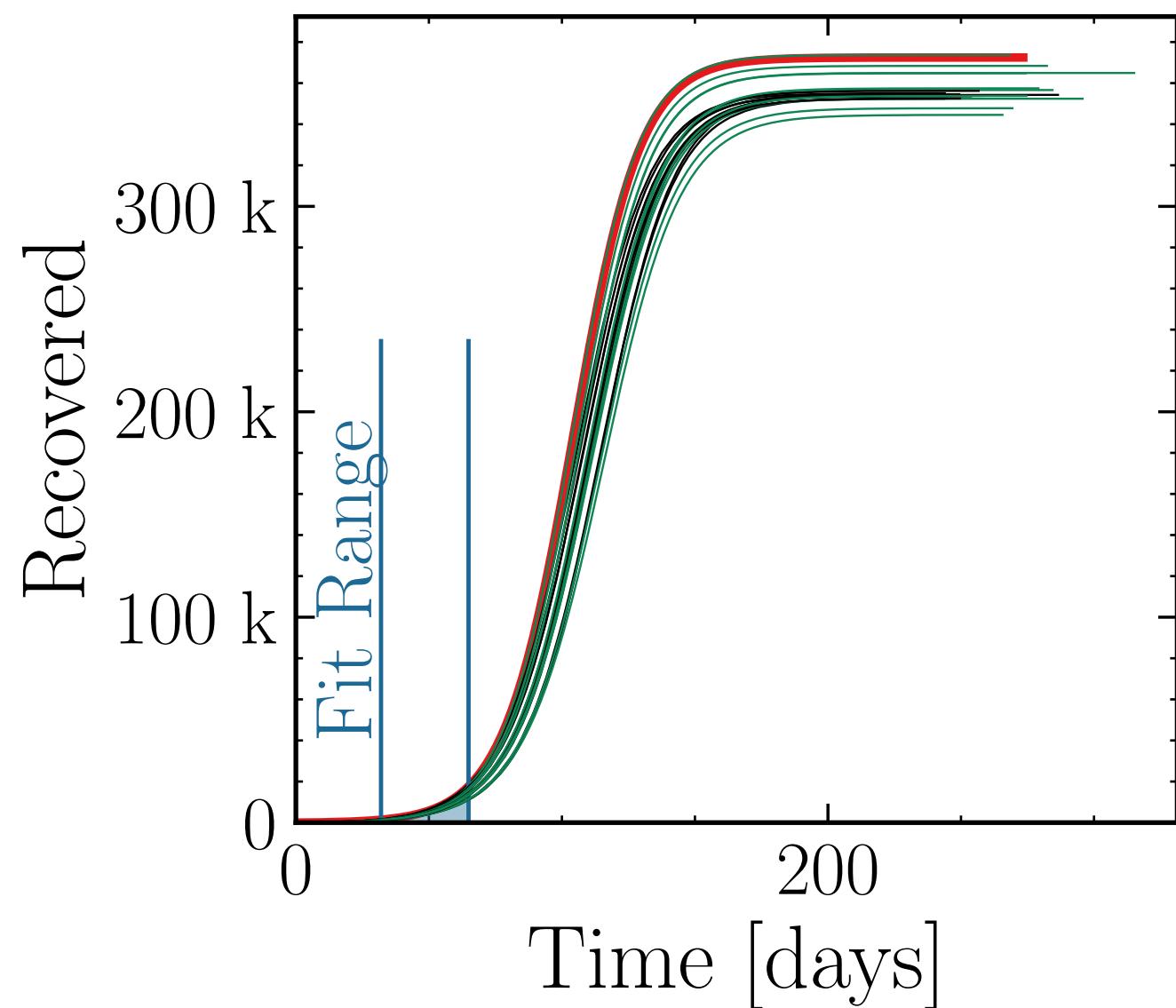
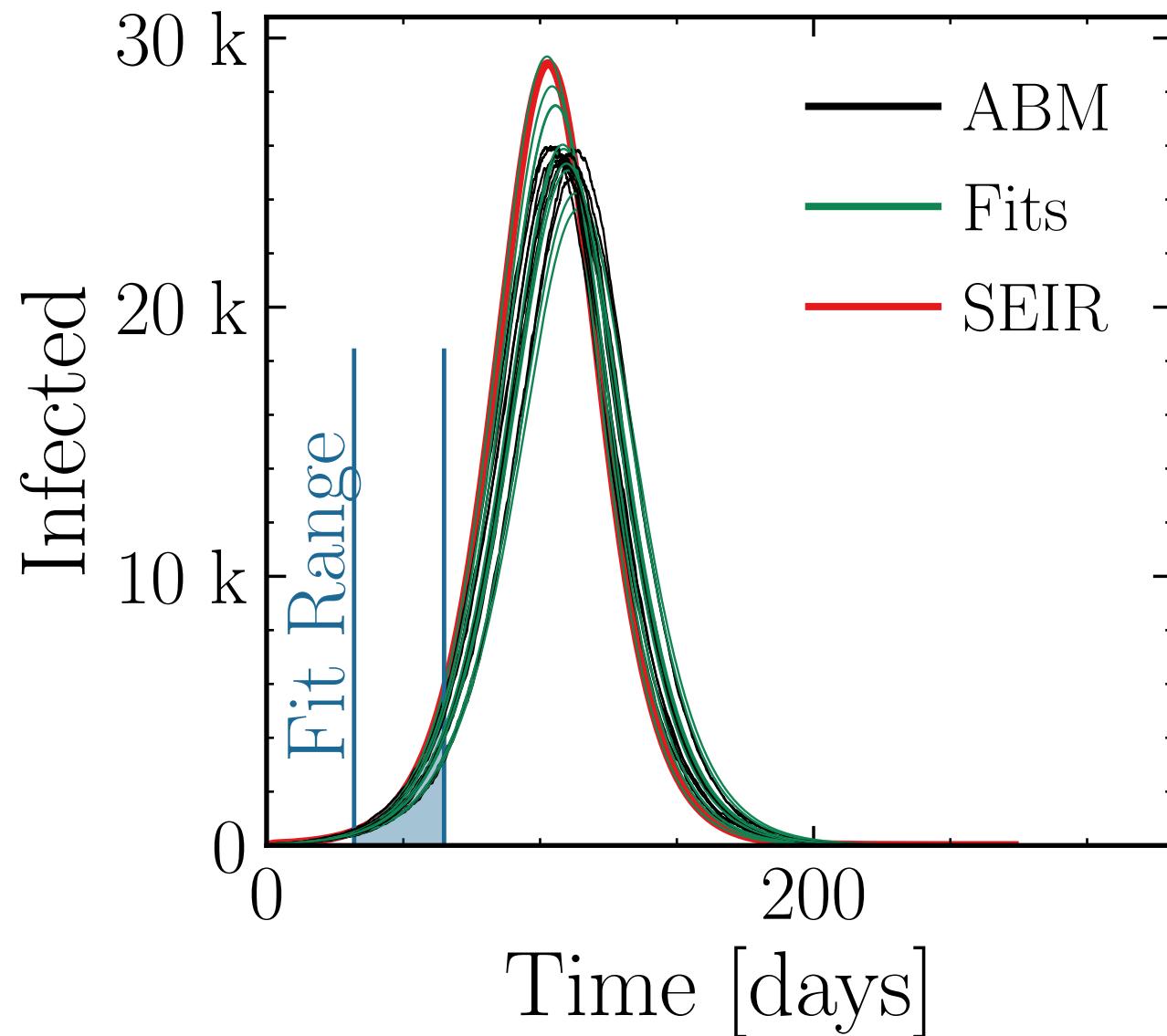
$\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

$I_{\text{max}}^{\text{fit}} = (26.3 \pm 2.1\%) \cdot 10^3$

$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1.02 \pm 0.020$ v. = 1.0, hash = b78c98eee1, #10

$R_{\infty}^{\text{fit}} = (358 \pm 0.79\%) \cdot 10^3$ $\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.012 \pm 0.0073$



$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.25$, 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_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

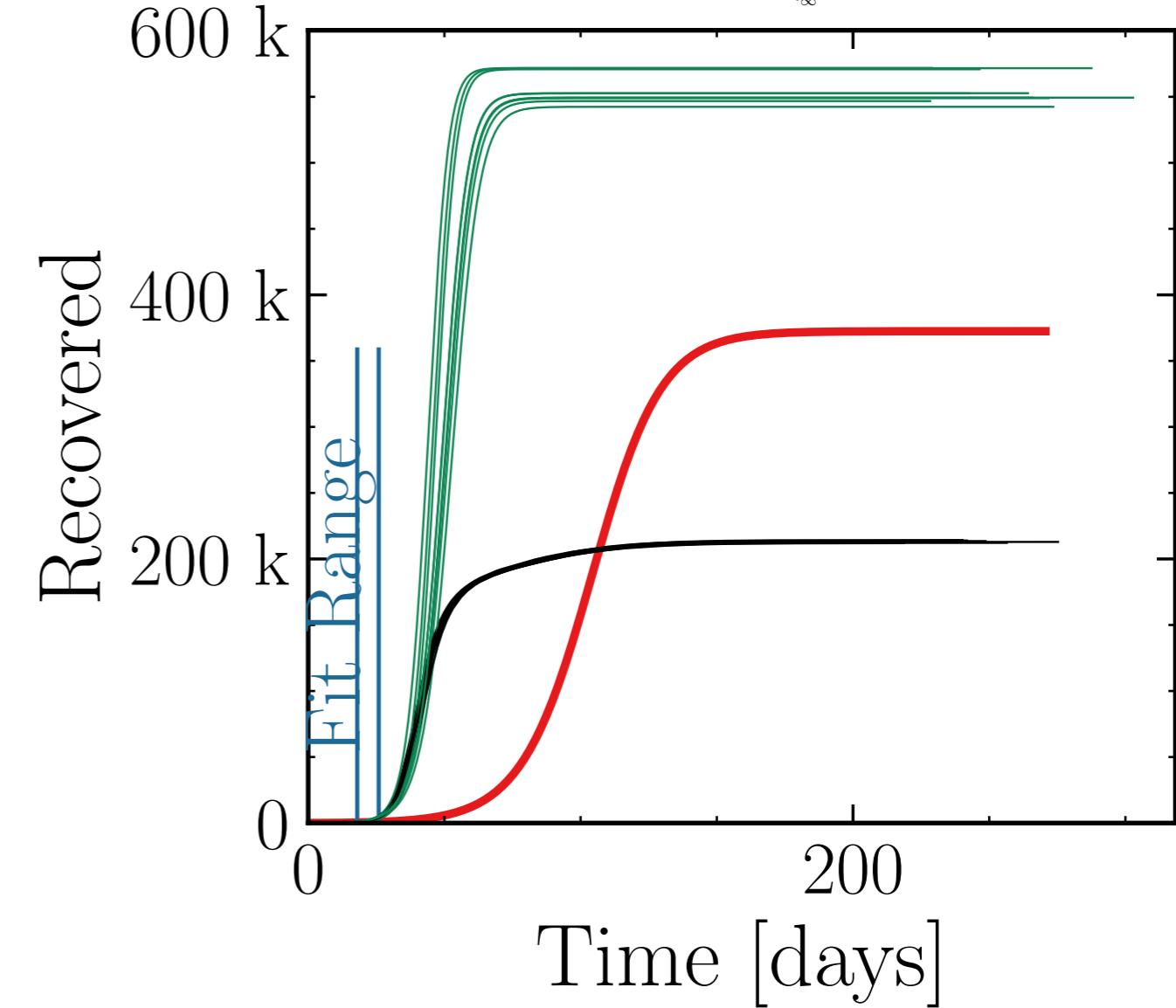
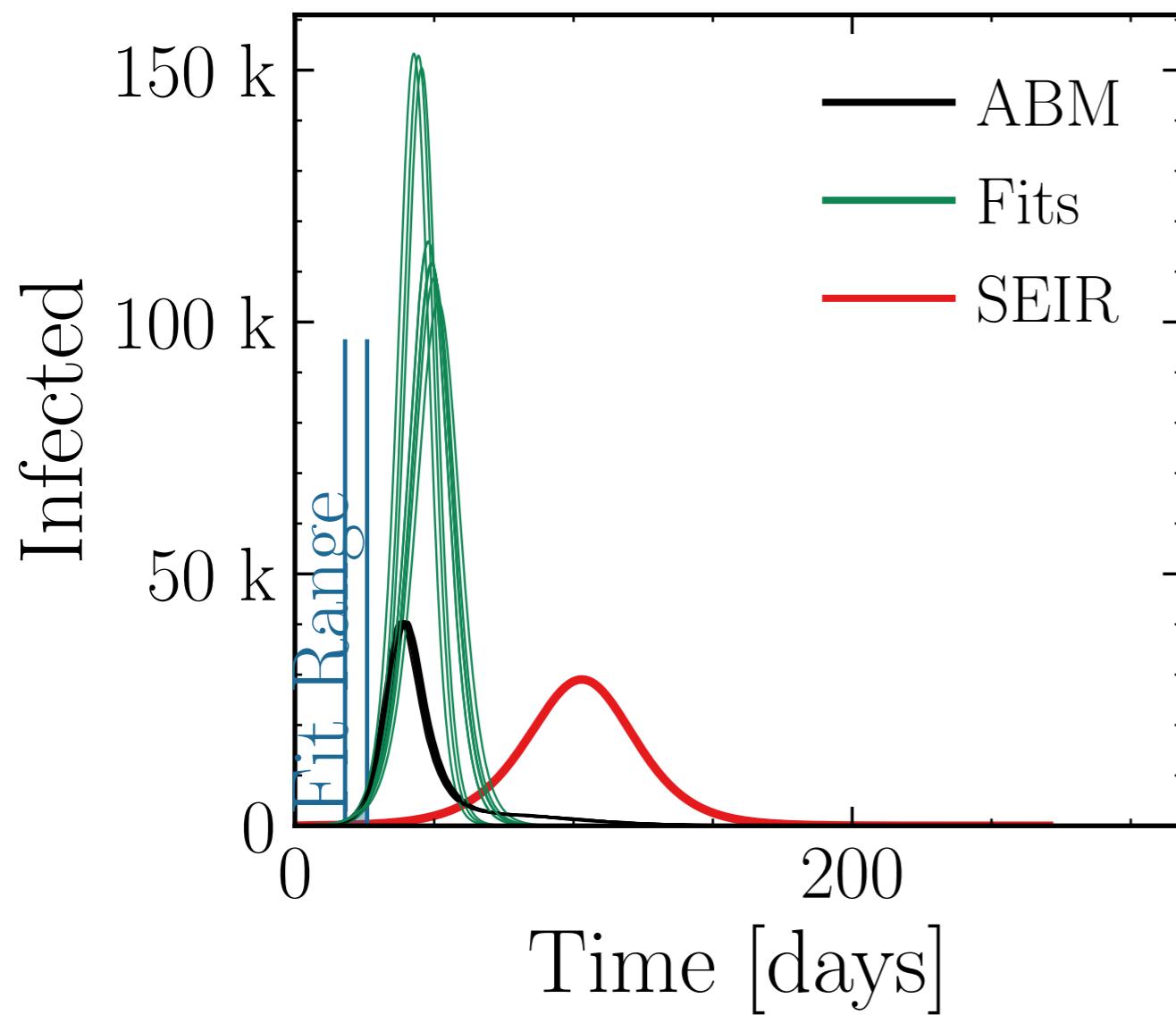
$$I_{\text{max}}^{\text{fit}} = (124 \pm 4.9\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 3.1 \pm 0.15$$

$$v. = 1.0, \text{hash} = 5adba0bbdb, \#10$$

$$R_{\infty}^{\text{fit}} = (556 \pm 0.61\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 2.61 \pm 0.018$$



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

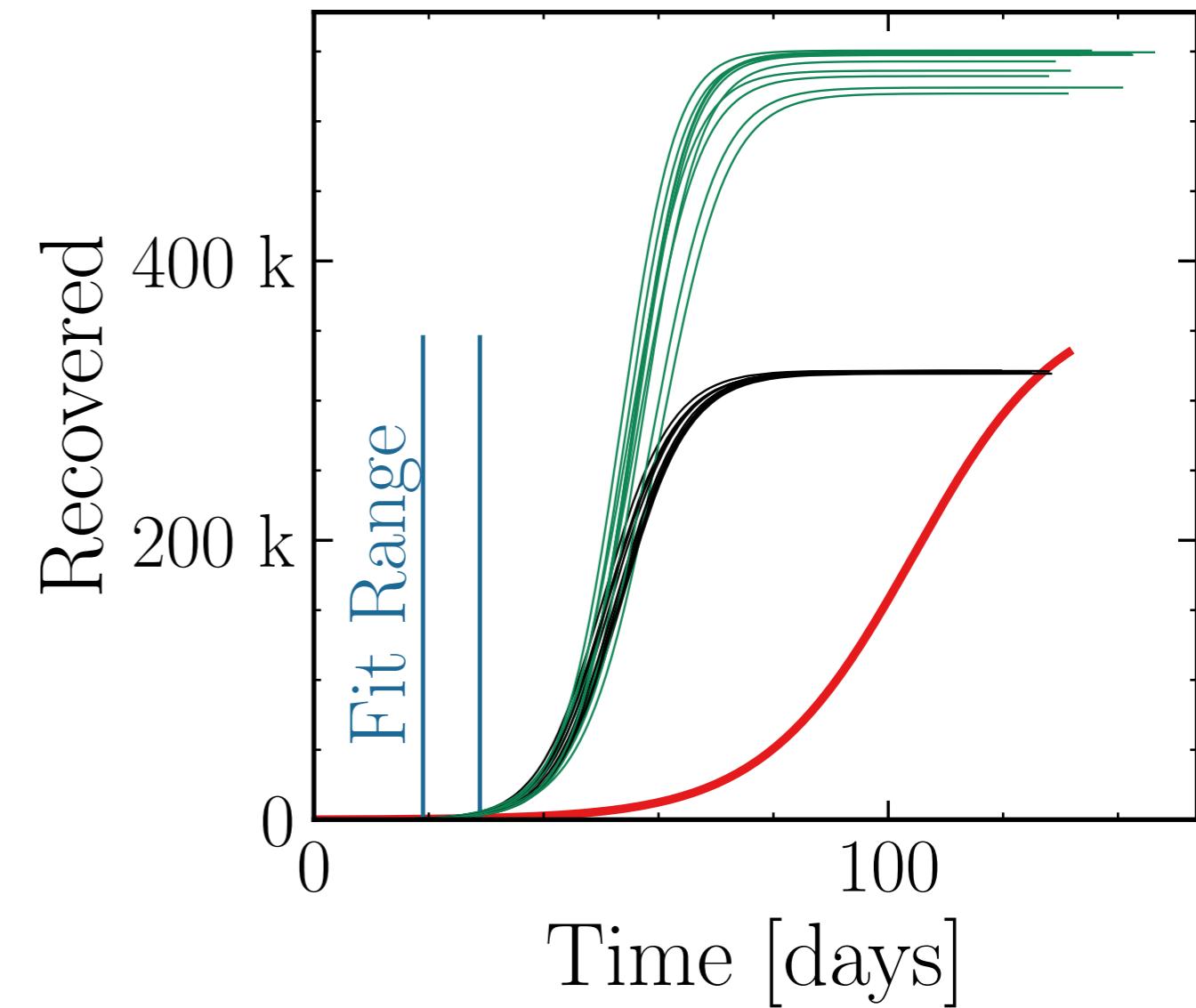
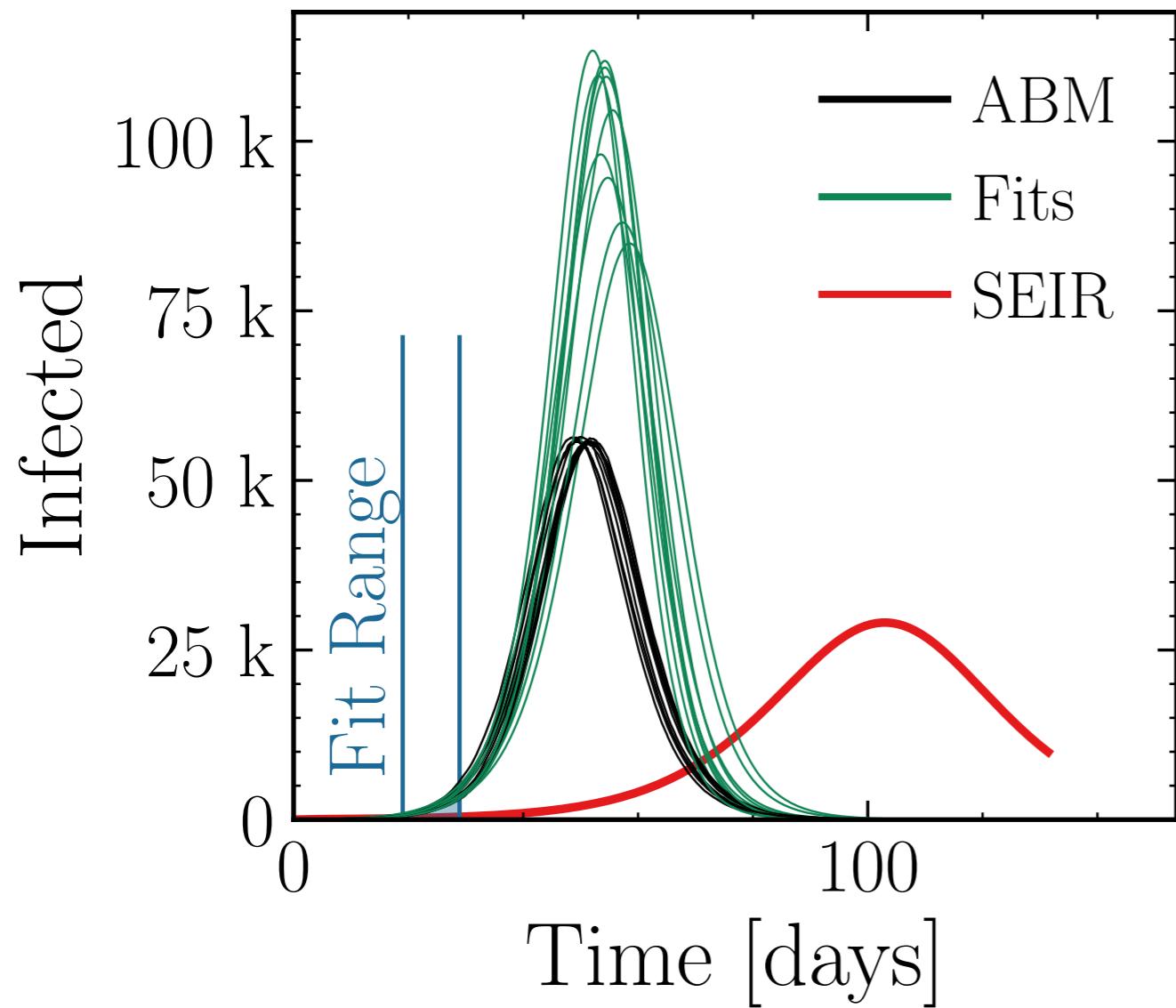
$\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{connect}}^{\text{connect}} = 0$

$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

$$I_{\text{max}}^{\text{fit}} = (103 \pm 3.1\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1.83 \pm 0.057 \quad v. = 1.0, \text{hash} = 7a2fc4f347, \#10, (540 \pm 0.62\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{fit}}} = 1.68 \pm 0.011$$



$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 1.0$, $\beta = 0.01$, $\sigma_\beta = 0.25$, 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_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

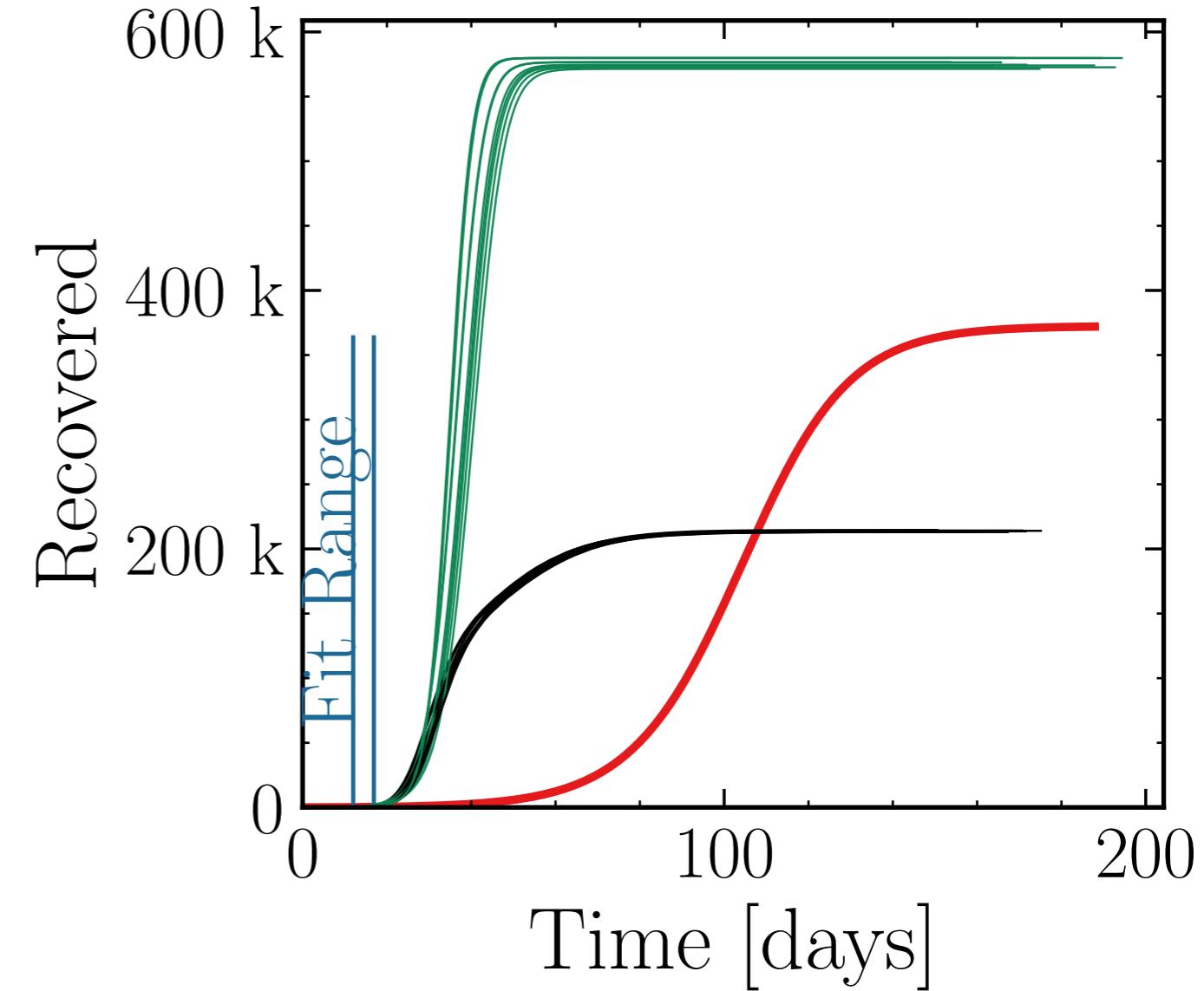
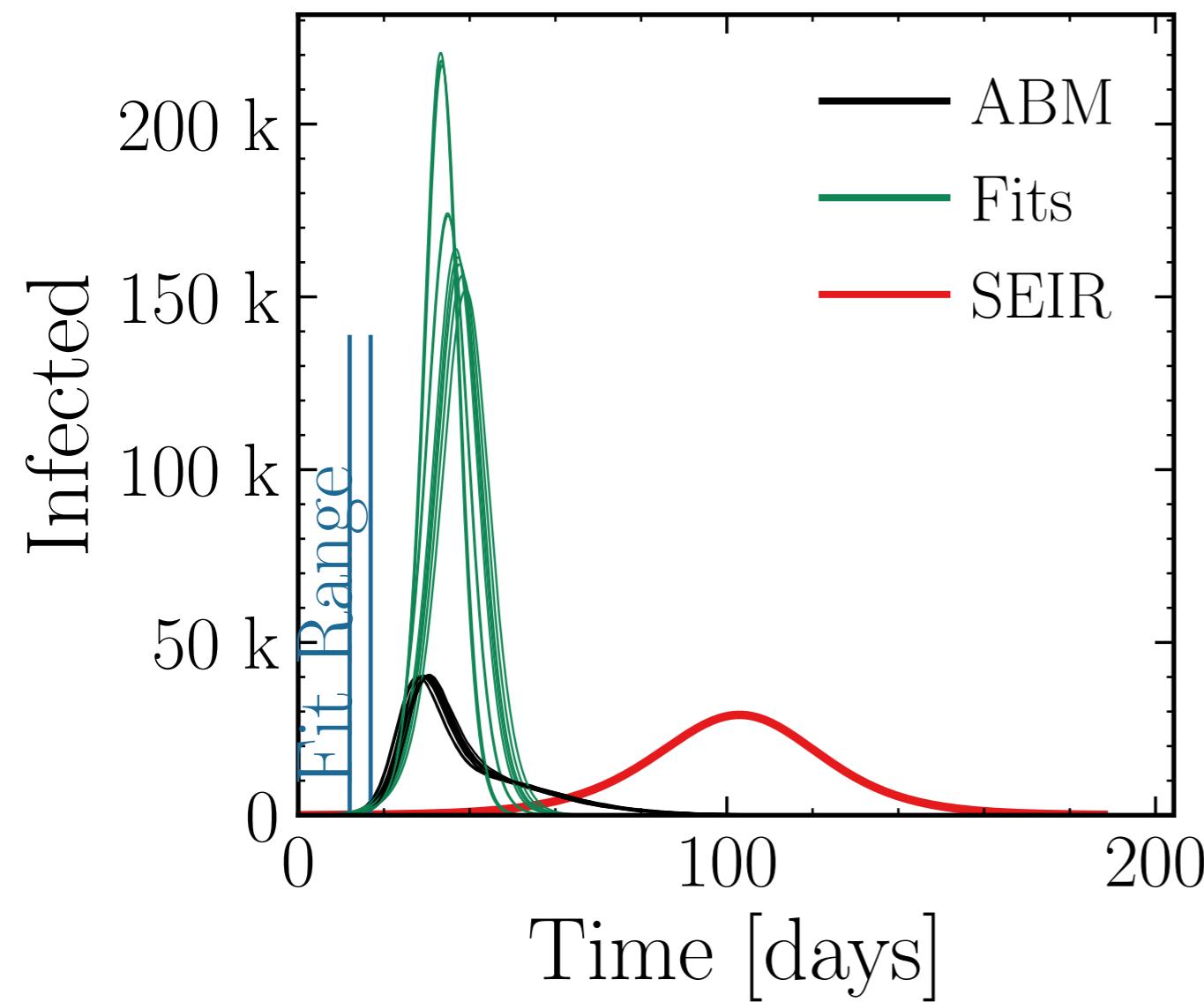
$$I_{\text{max}}^{\text{fit}} = (180 \pm 4.6\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 4.5 \pm 0.20$$

$$\text{v.} = 1.0, \text{hash} = \text{d46ba7a356}, \#10$$

$$R_{\infty}^{\text{fit}} = (575.9 \pm 0.16\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 2.694 \pm 0.0051$$



$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.5$, 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_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

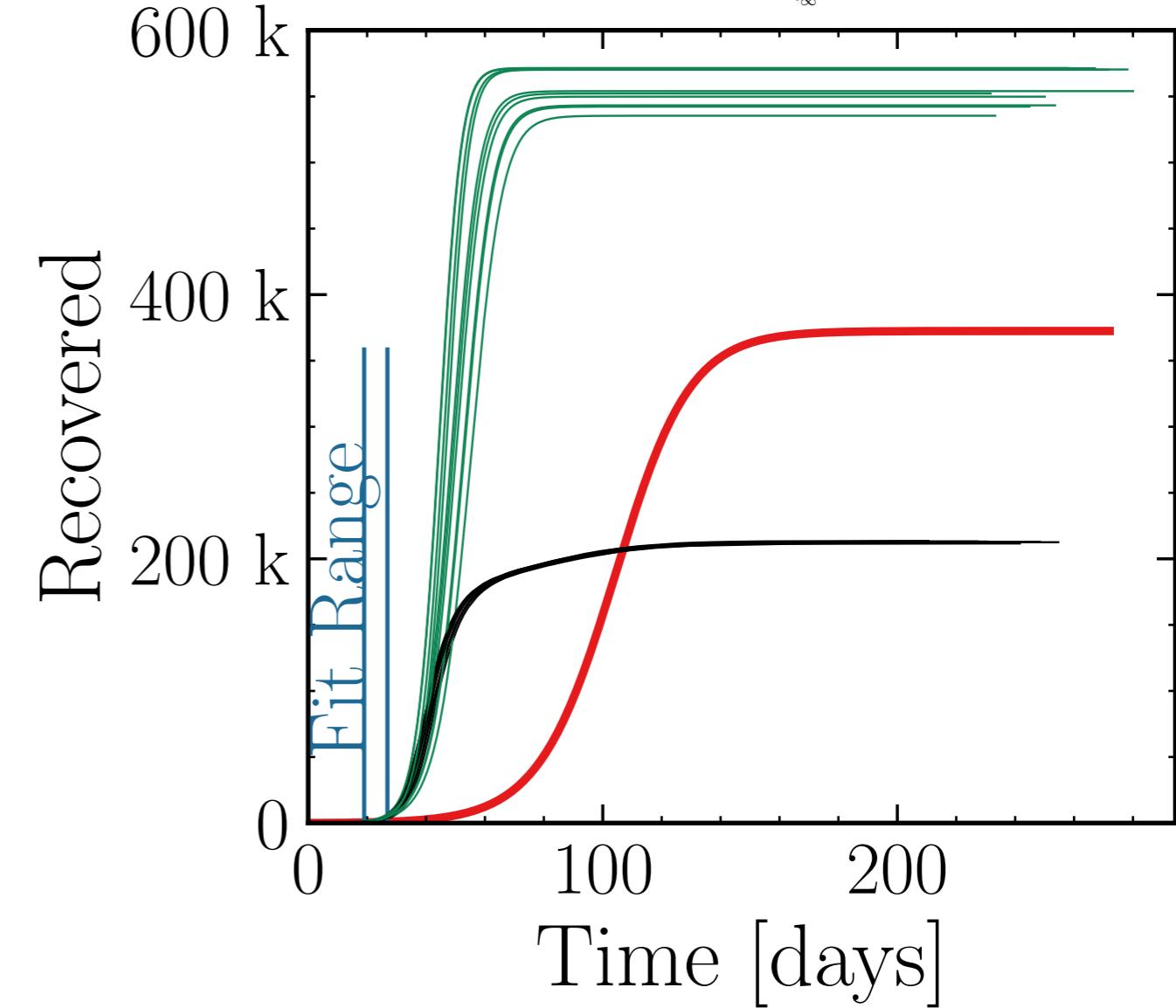
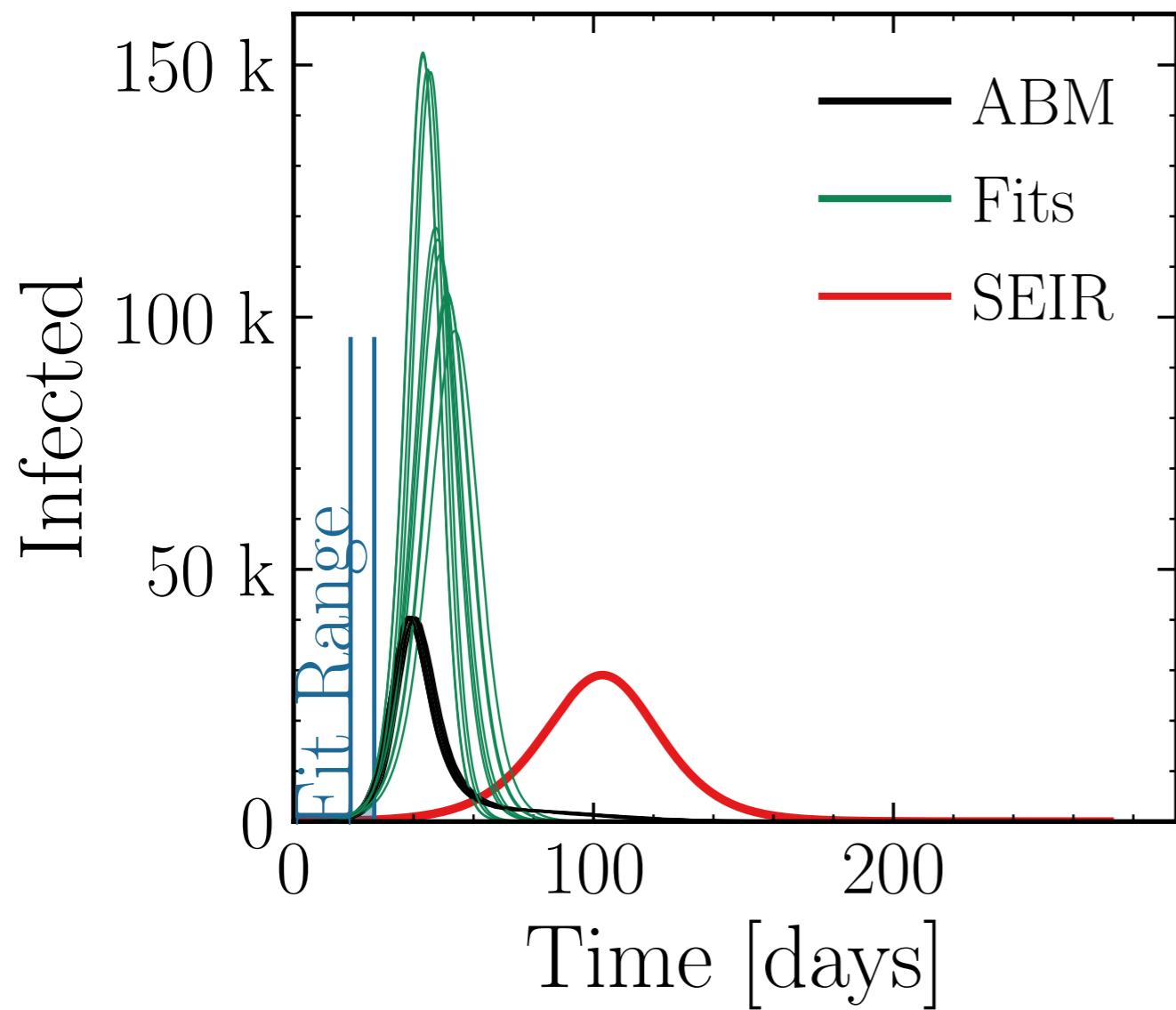
$$I_{\text{max}}^{\text{fit}} = (125 \pm 5.4\%) \cdot 10^3$$

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

$$\text{v.} = 1.0, \text{hash} = 37e996fb2, \#10$$

$$R_{\infty}^{\text{fit}} = (556 \pm 0.74\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 2.61 \pm 0.020$$



$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.75$, 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_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

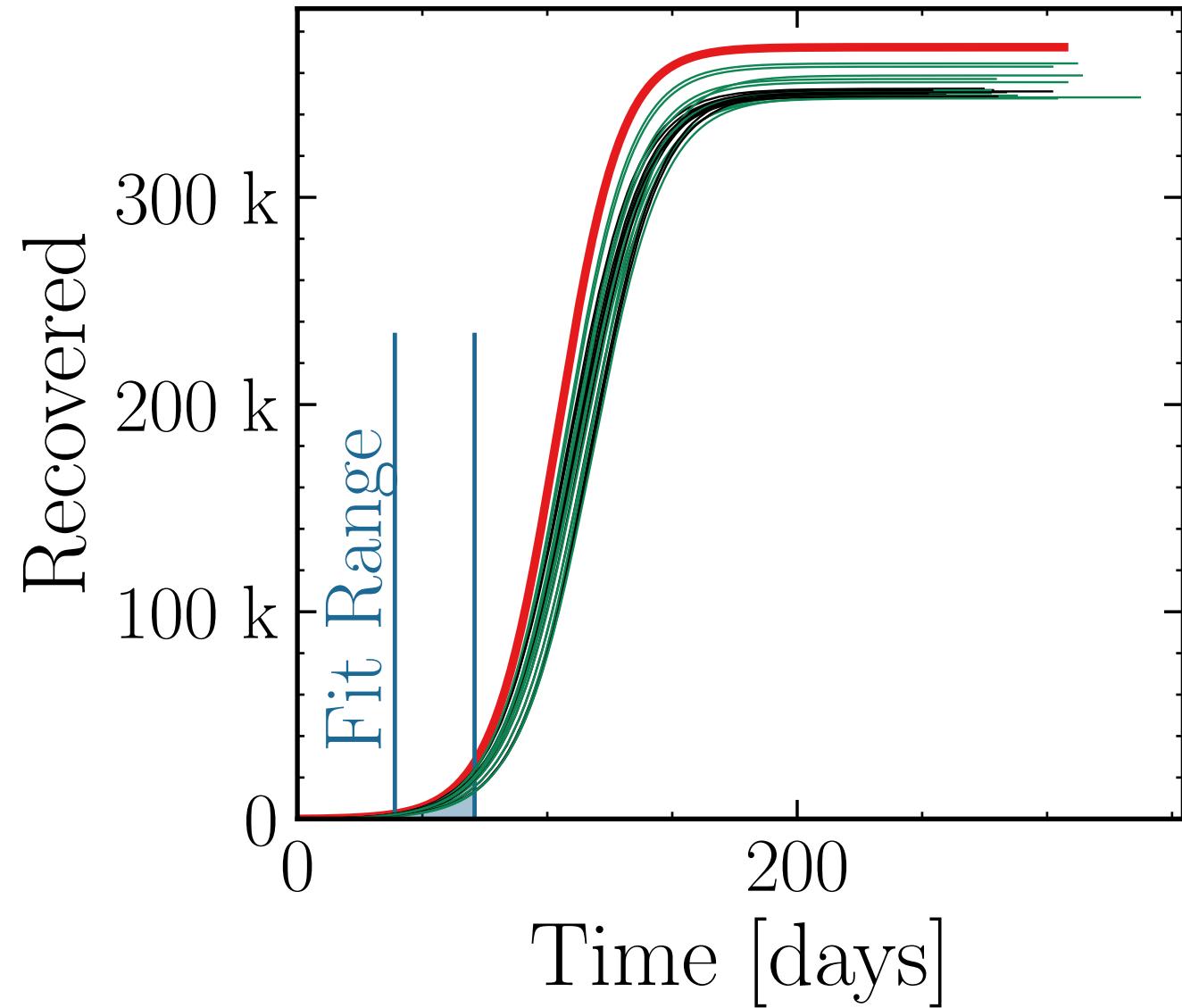
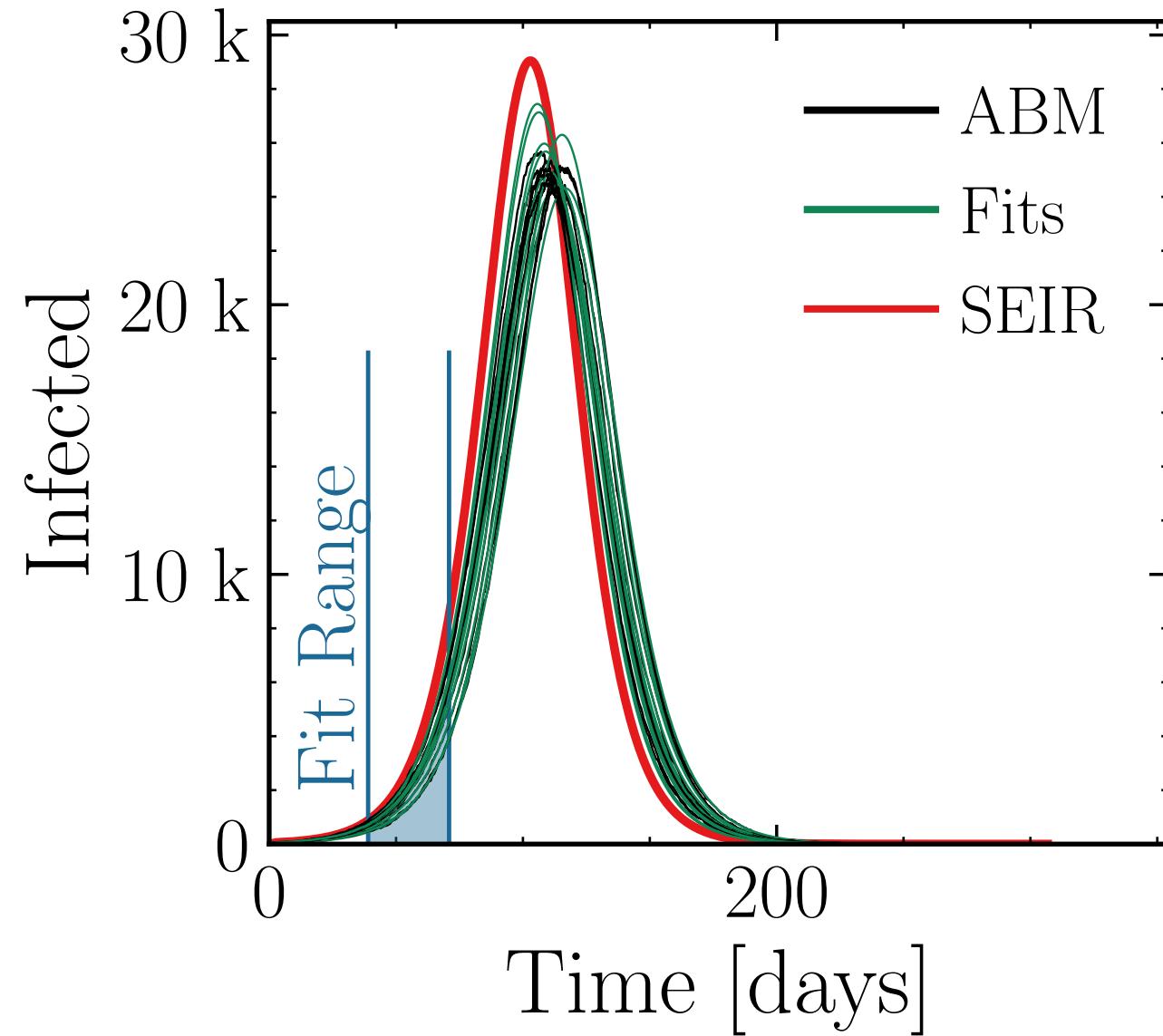
$I_{\text{max}}^{\text{fit}} = (25.5 \pm 1.4\%) \cdot 10^3$

$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{ABM}}^{\text{max}}} = 1.02 \pm 0.013$

v. = 1.0, hash = 6d059068f9, #10

$R_{\infty}^{\text{fit}} = (355 \pm 0.53\%) \cdot 10^3$

$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.011 \pm 0.0050$



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

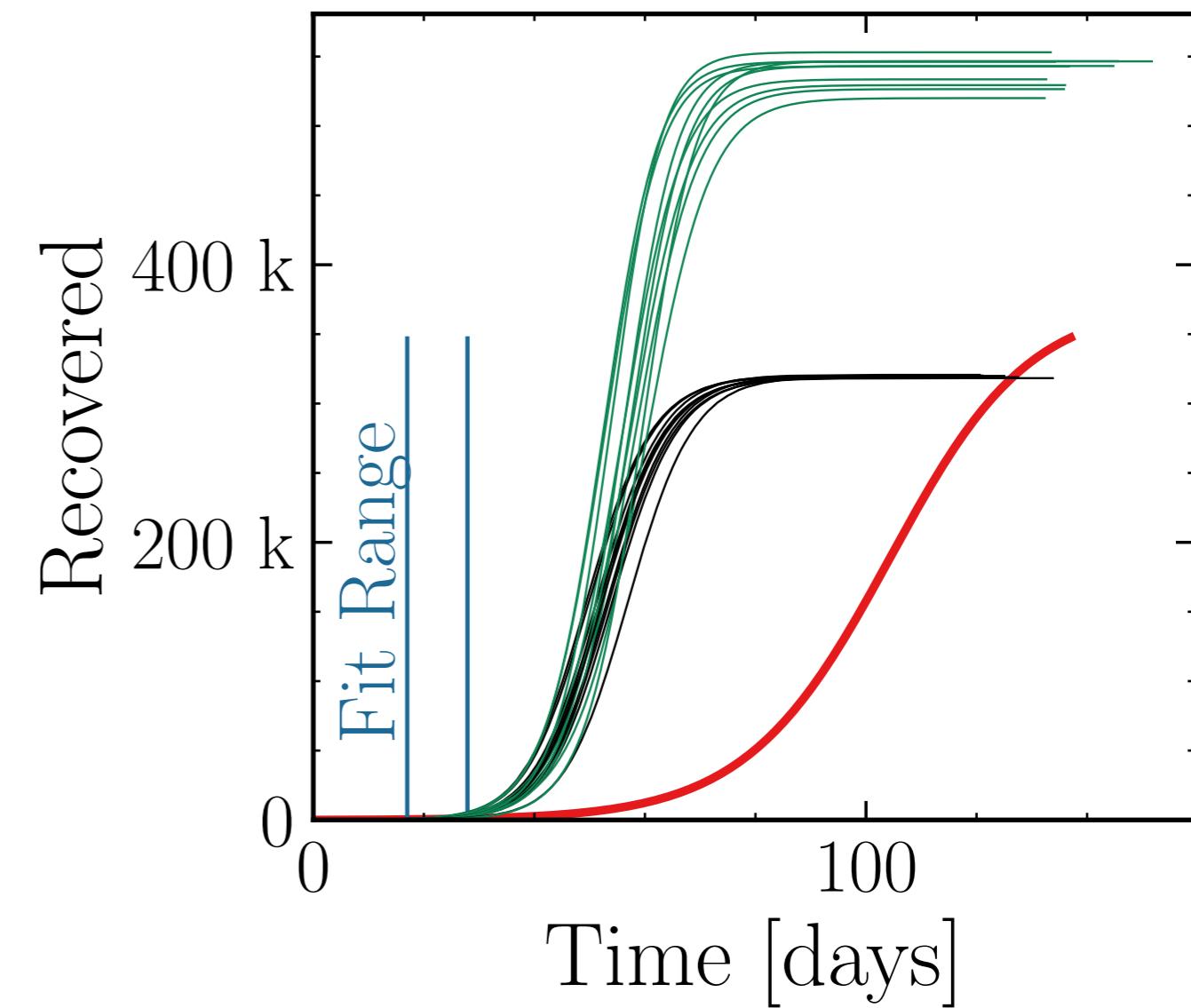
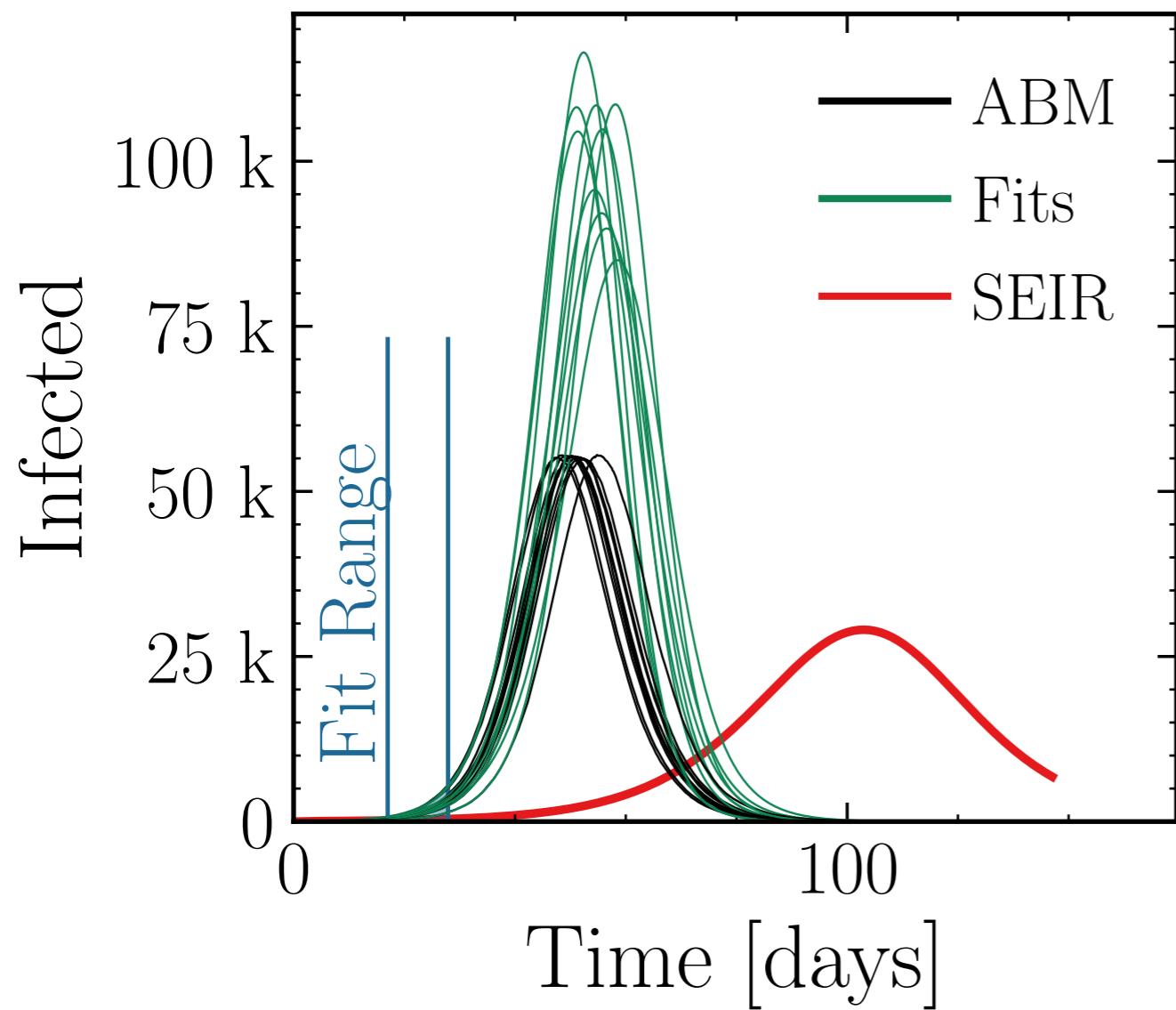
$\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{connect}}^{\text{connect}} = 0$

$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

$$I_{\text{max}}^{\text{fit}} = (101 \pm 3.0\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1.83 \pm 0.055 \quad v. = 1.0, \text{hash} = d03e6f0073 \#10 \quad R_{\infty}^{\text{fit}} = (539 \pm 0.6\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{fit}}} = 1.69 \pm 0.010$$



$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 1.0$, $\beta = 0.01$, $\sigma_\beta = 0.5$, 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_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

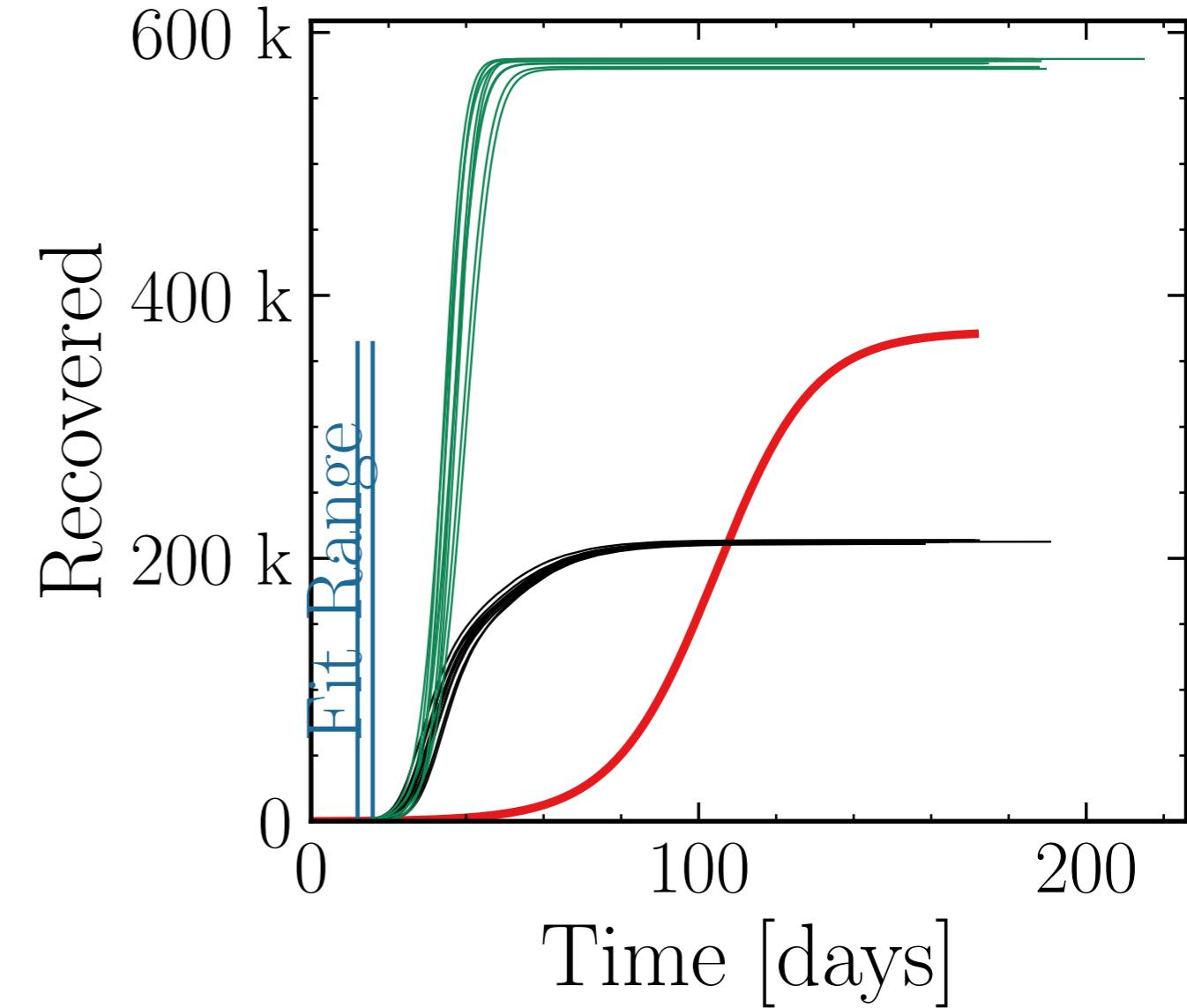
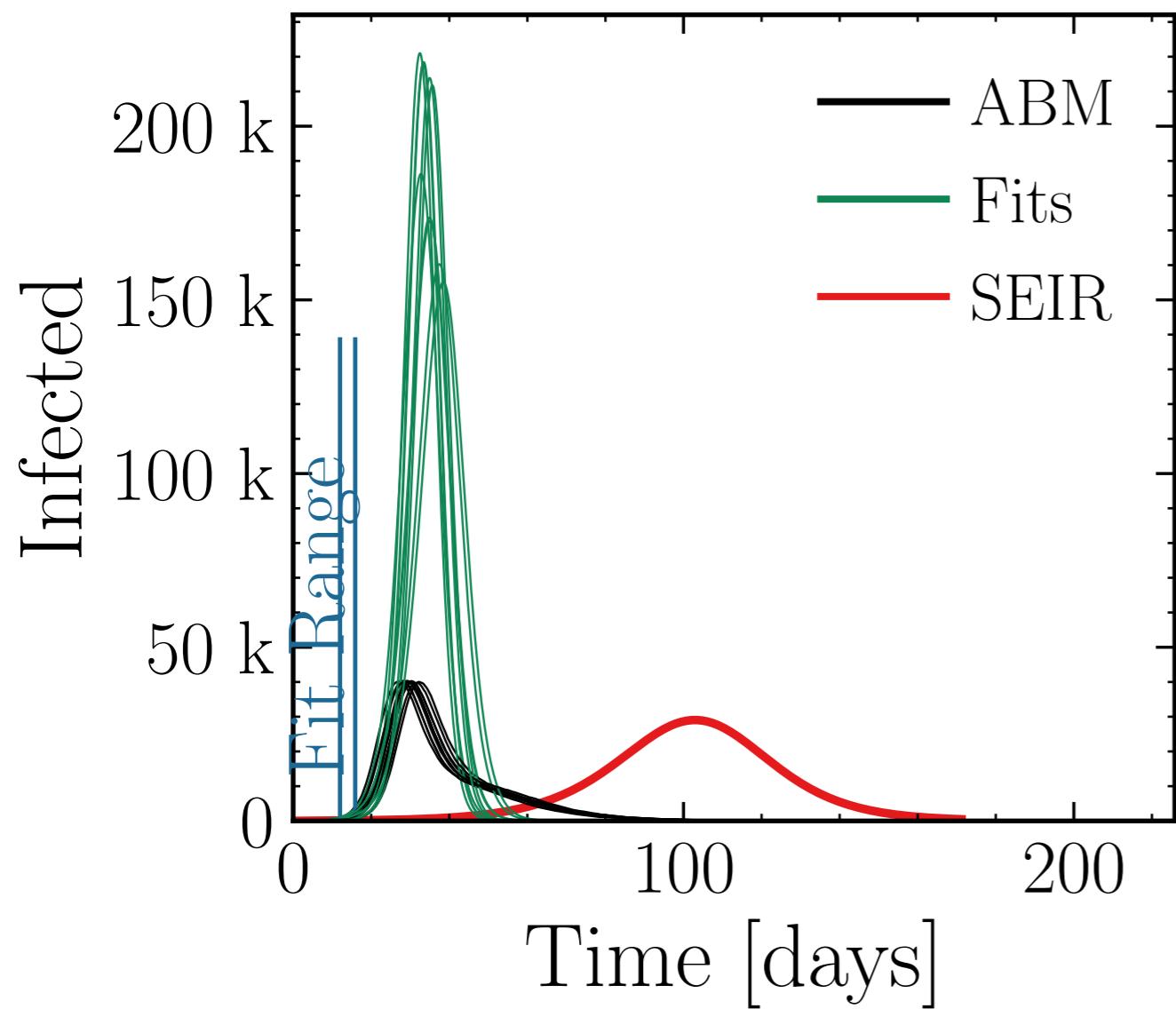
$$I_{\text{max}}^{\text{fit}} = (193 \pm 4.1\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 4.8 \pm 0.20$$

$$\text{v.} = 1.0, \text{hash} = \text{a2b66ce050}, \#10$$

$$R_{\infty}^{\text{fit}} = (577.6 \pm 0.14\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 2.716 \pm 0.0064$$



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

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

$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

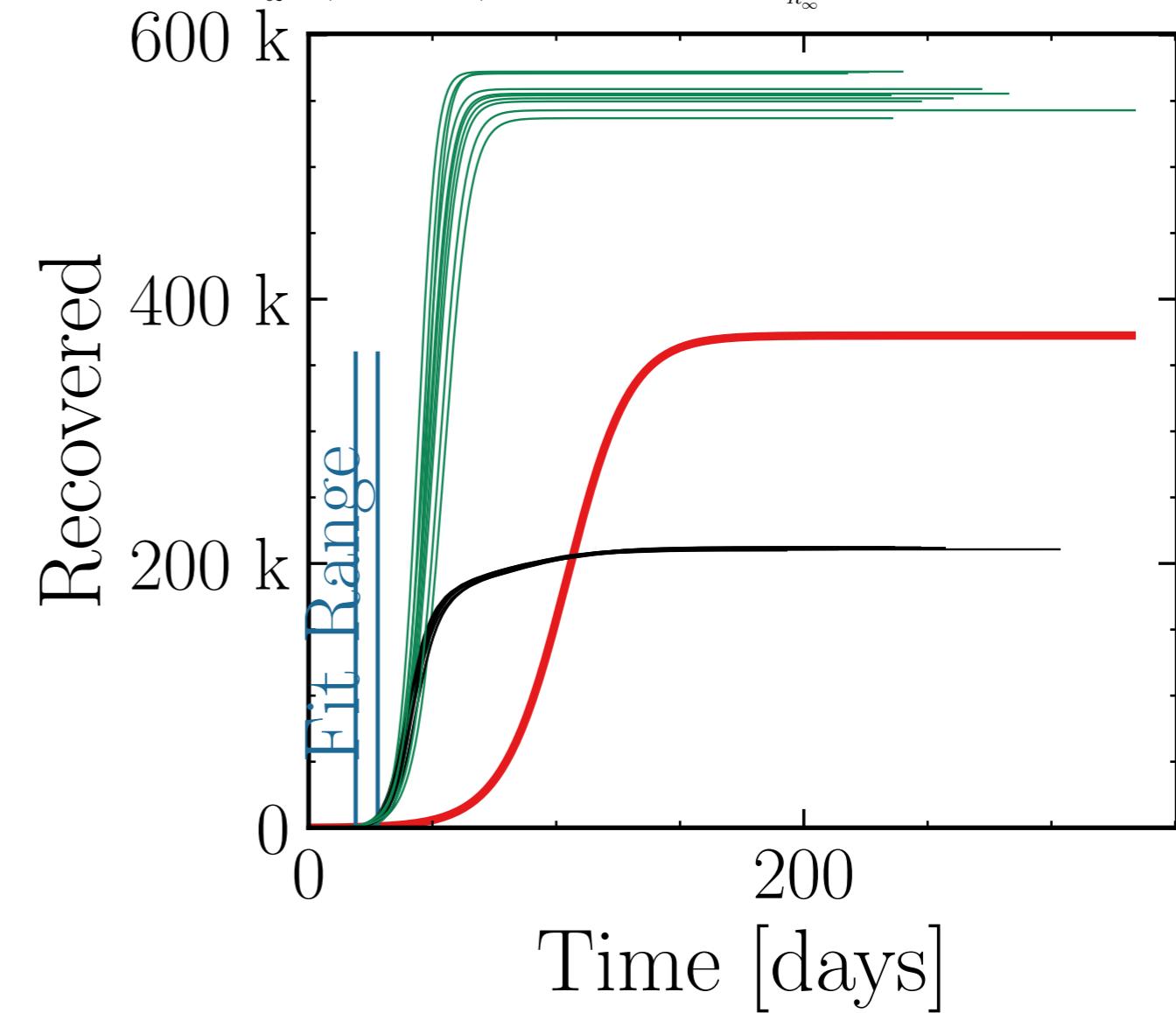
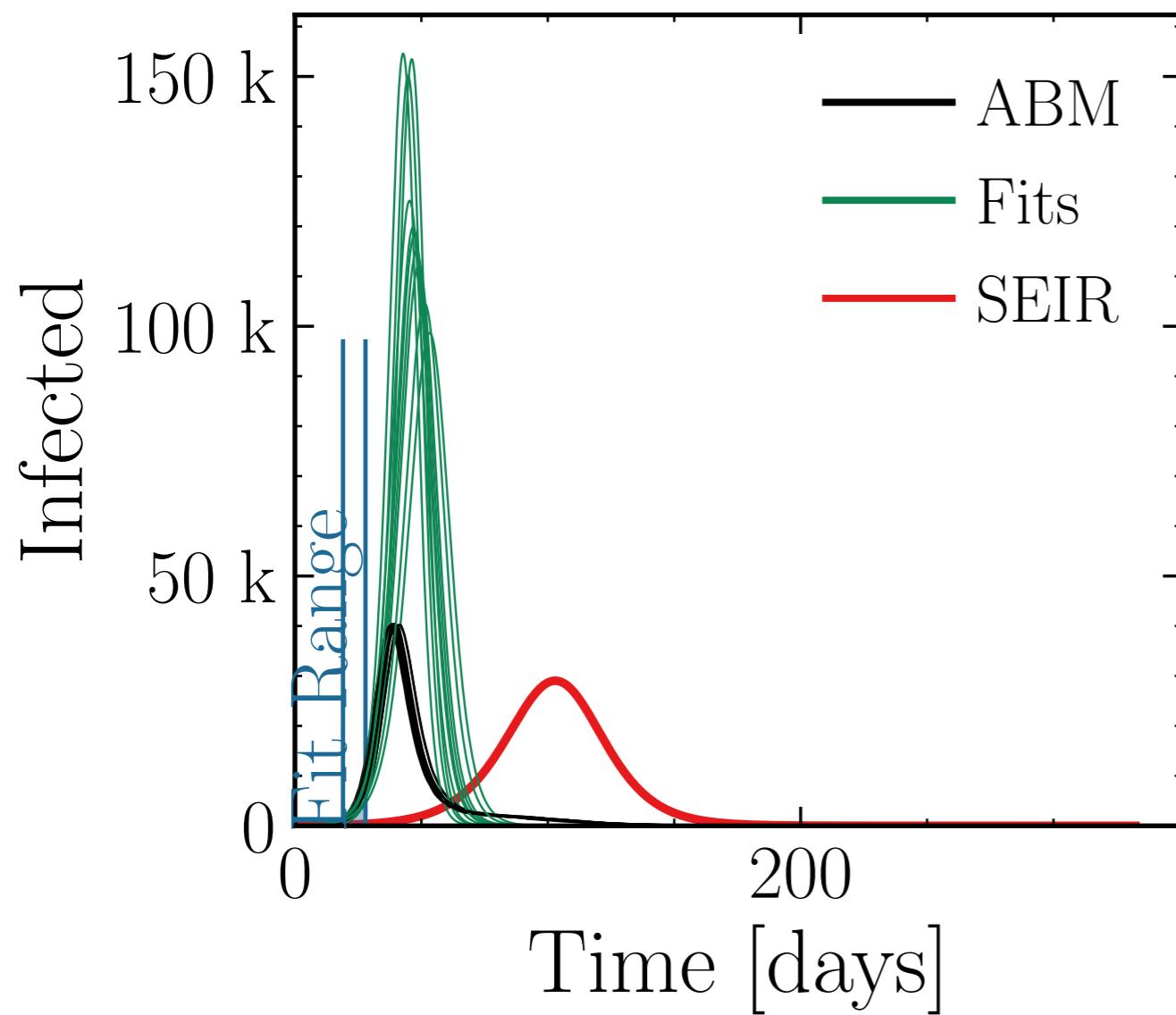
$$I_{\text{max}}^{\text{fit}} = (125 \pm 4.9\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 3.1 \pm 0.15$$

$$\text{v.} = 1.0, \text{hash} = 3d04df6fa6, \#10$$

$$R_{\infty}^{\text{fit}} = (557 \pm 0.66\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{fit}}} = 2.63 \pm 0.019$$



$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 1.0$, $\beta = 0.01$, $\sigma_\beta = 0.75$, 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_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β scaling} = 10.0, event_{weekendmultiplier} = 1.0

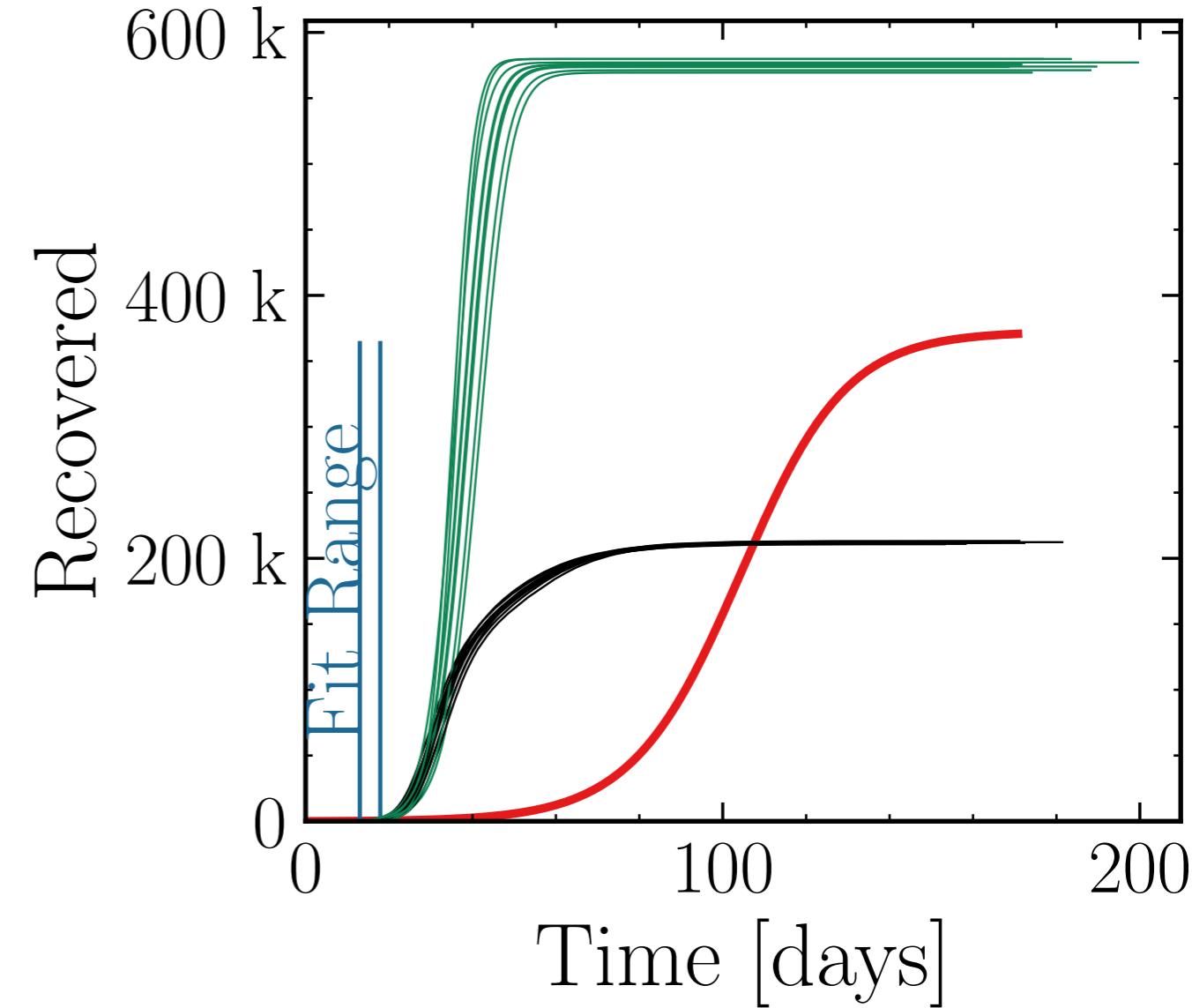
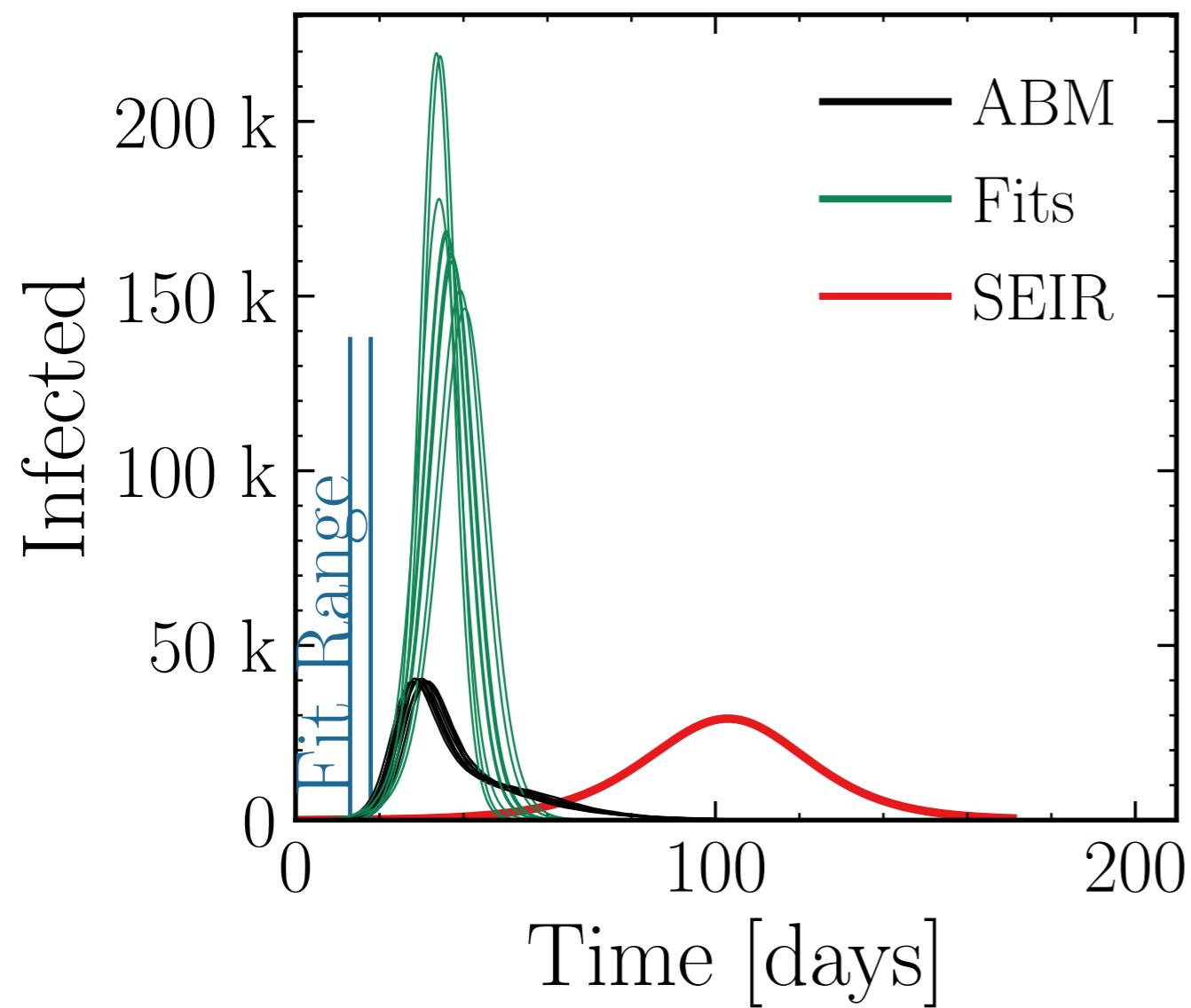
$$I_{\text{max}}^{\text{fit}} = (173 \pm 4.4\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 4.3 \pm 0.20$$

$$\text{v.} = 1.0, \text{hash} = 6f49a7a11d, \#10$$

$$R_{\infty}^{\text{fit}} = (575.1 \pm 0.17\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 2.713 \pm 0.0053$$



$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.25$, $\beta = 0.01$, $\sigma_\beta = 1.0$, 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_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β scaling} = 10.0, event_{weekendmultiplier} = 1.0

$$I_{\text{max}}^{\text{fit}} = (48 \pm 1.9\%) \cdot 10^3$$

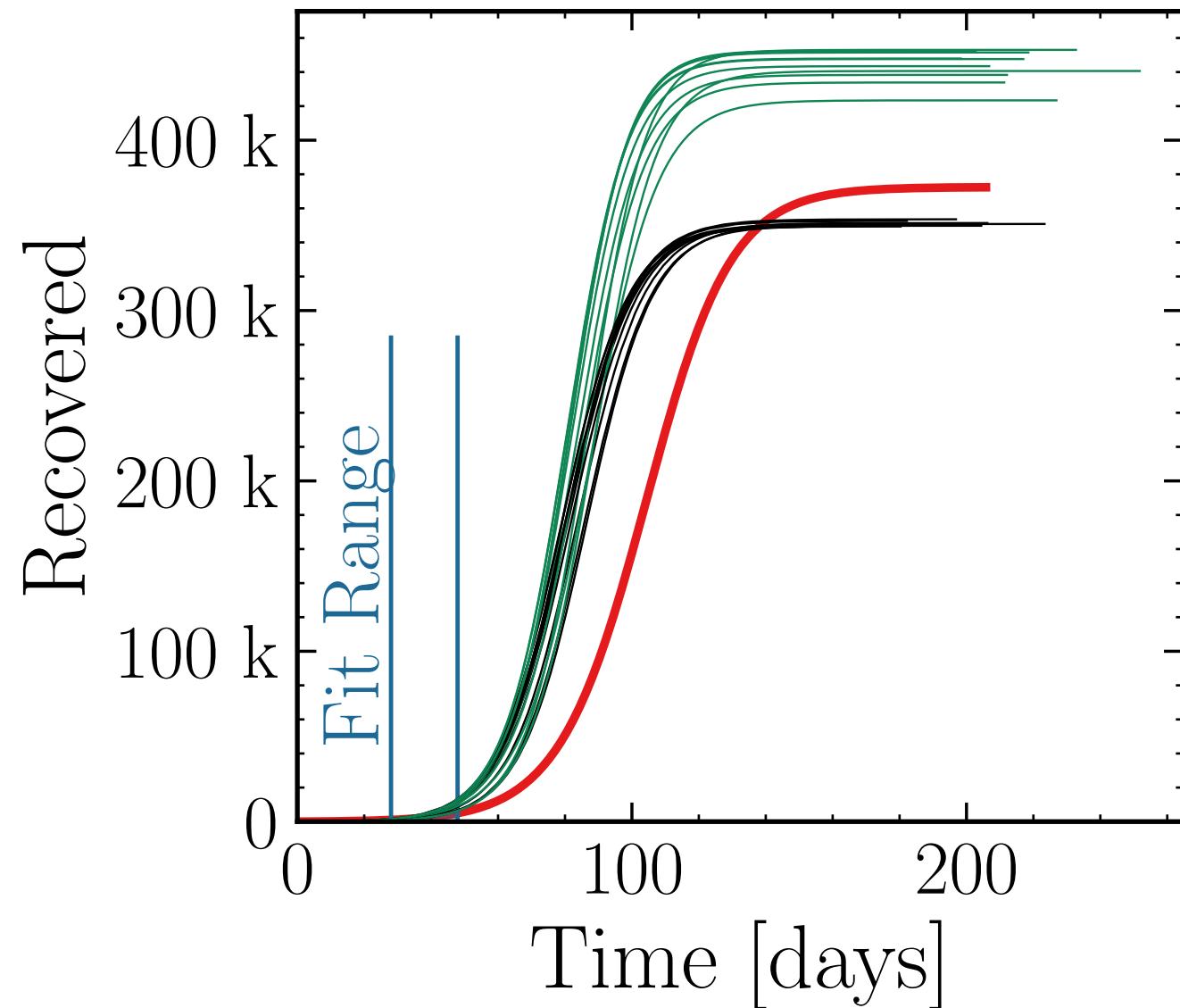
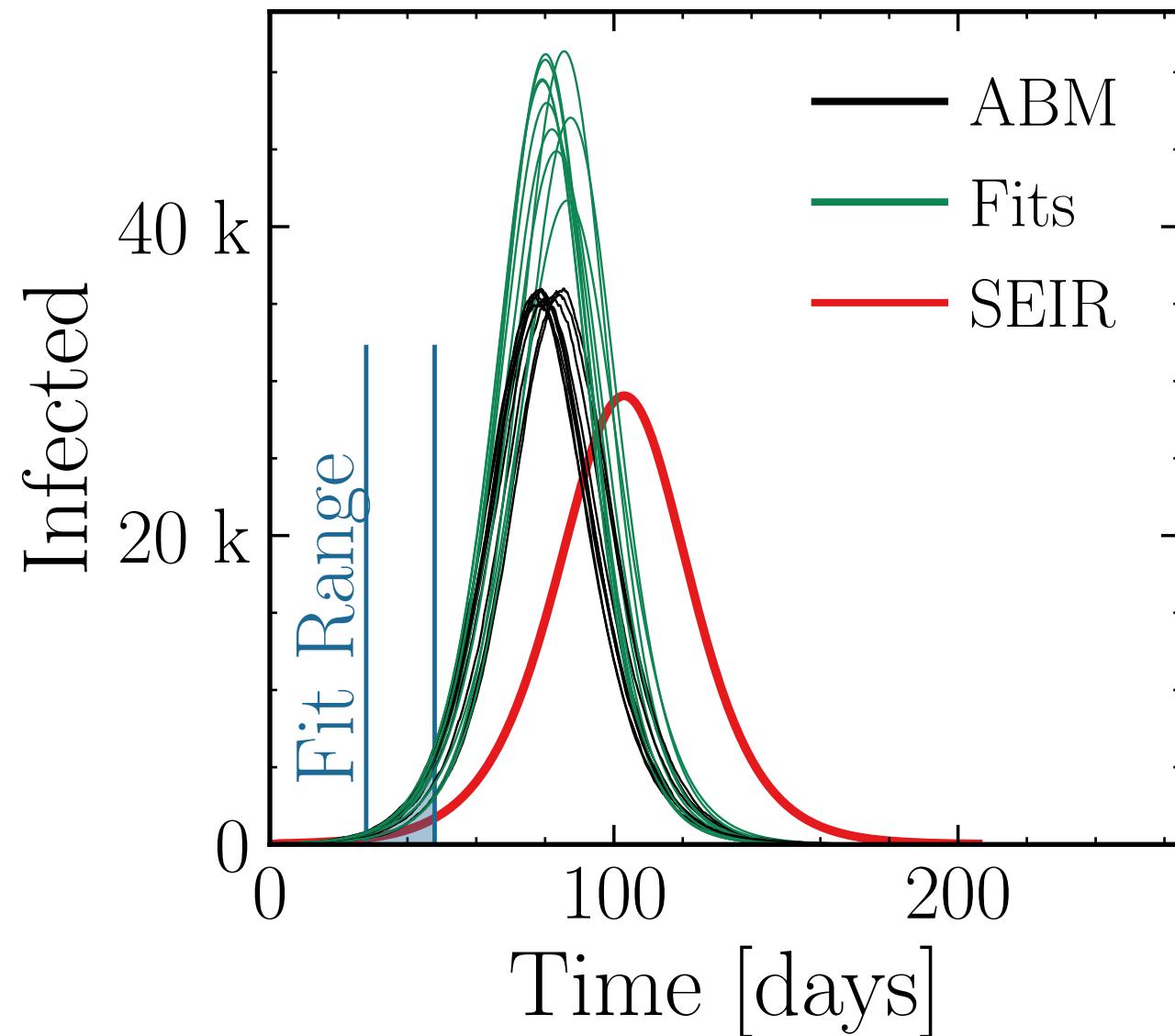
$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{ABM}}^{\text{max}}} = 1.35 \pm 0.026$$

$$\text{v.} = 1.0, \text{hash} = 69f38ff35e$$

$$R_{\infty}^{\text{fit}} \#10$$

$$(443 \pm 0.64\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.263 \pm 0.0079$$



$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.25$, $\beta = 0.01$, $\sigma_\beta = 0.0$, 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_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

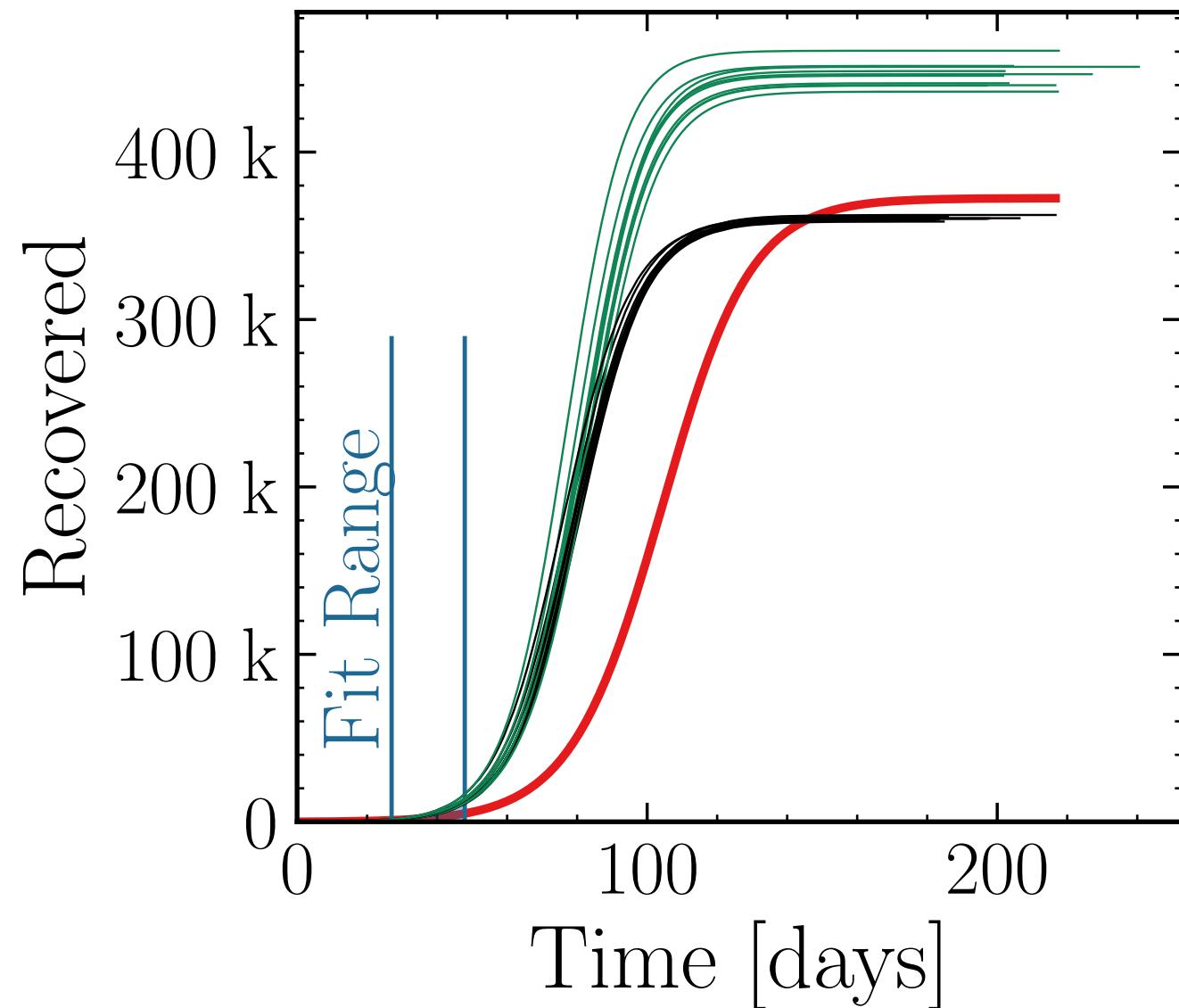
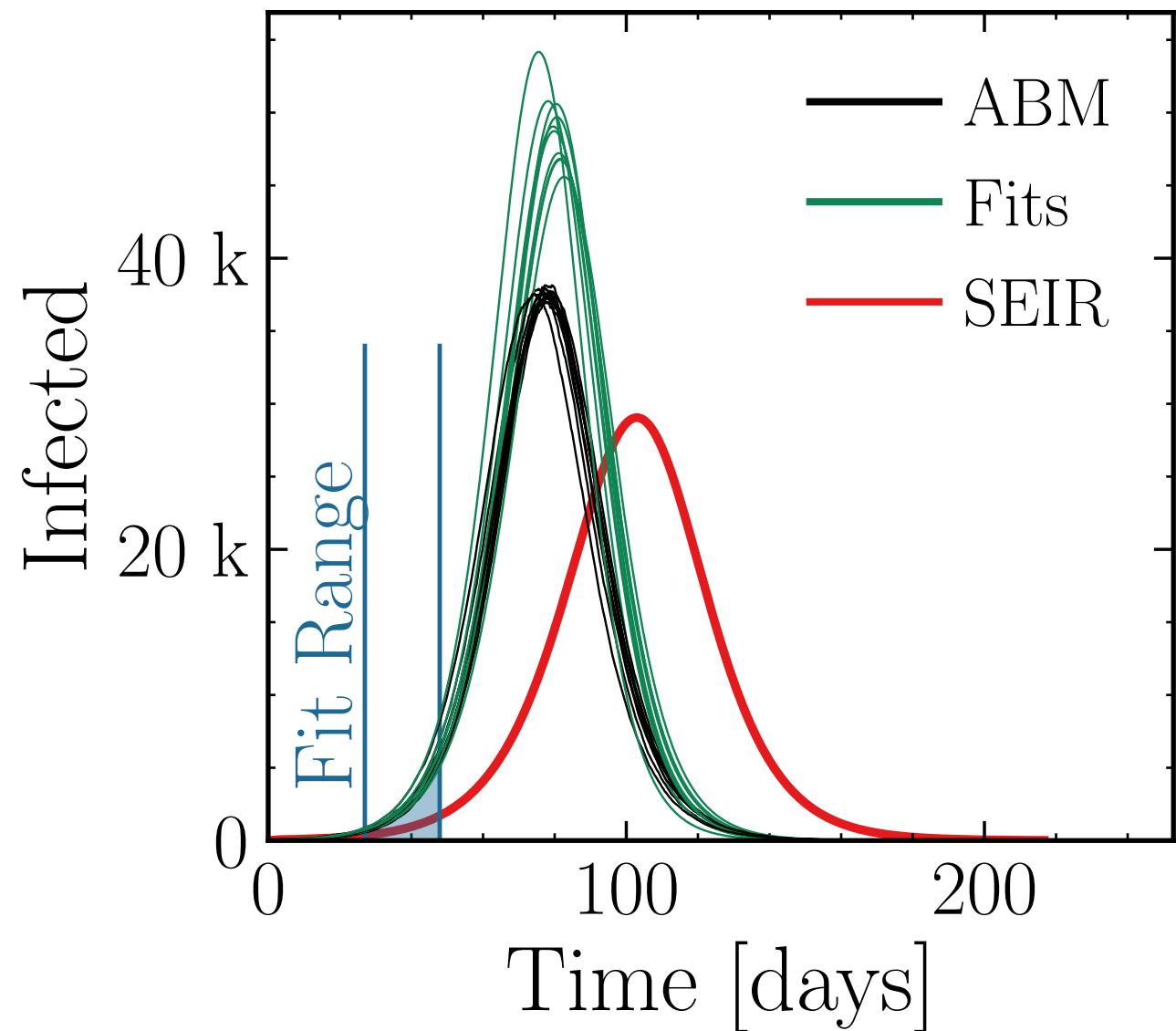
$I_{\text{max}}^{\text{fit}} = (48.9 \pm 1.6\%) \cdot 10^3$

$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{ABM}}^{\text{max}}} = 1.3 \pm 0.020$

v. = 1.0, hash = d00ddbc483, #10

$R_{\infty}^{\text{fit}} = (446 \pm 0.49\%) \cdot 10^3$

$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.238 \pm 0.0057$



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

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

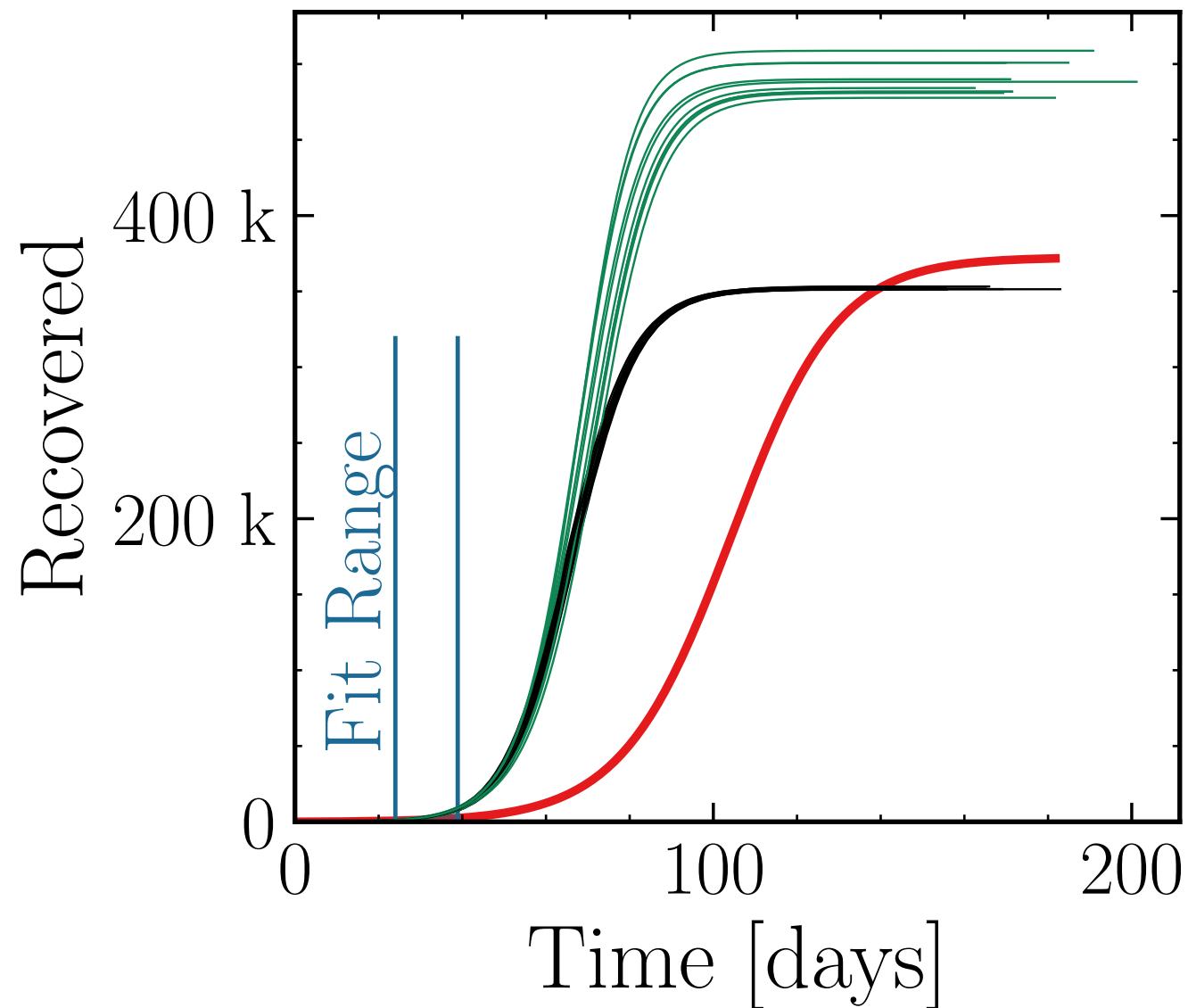
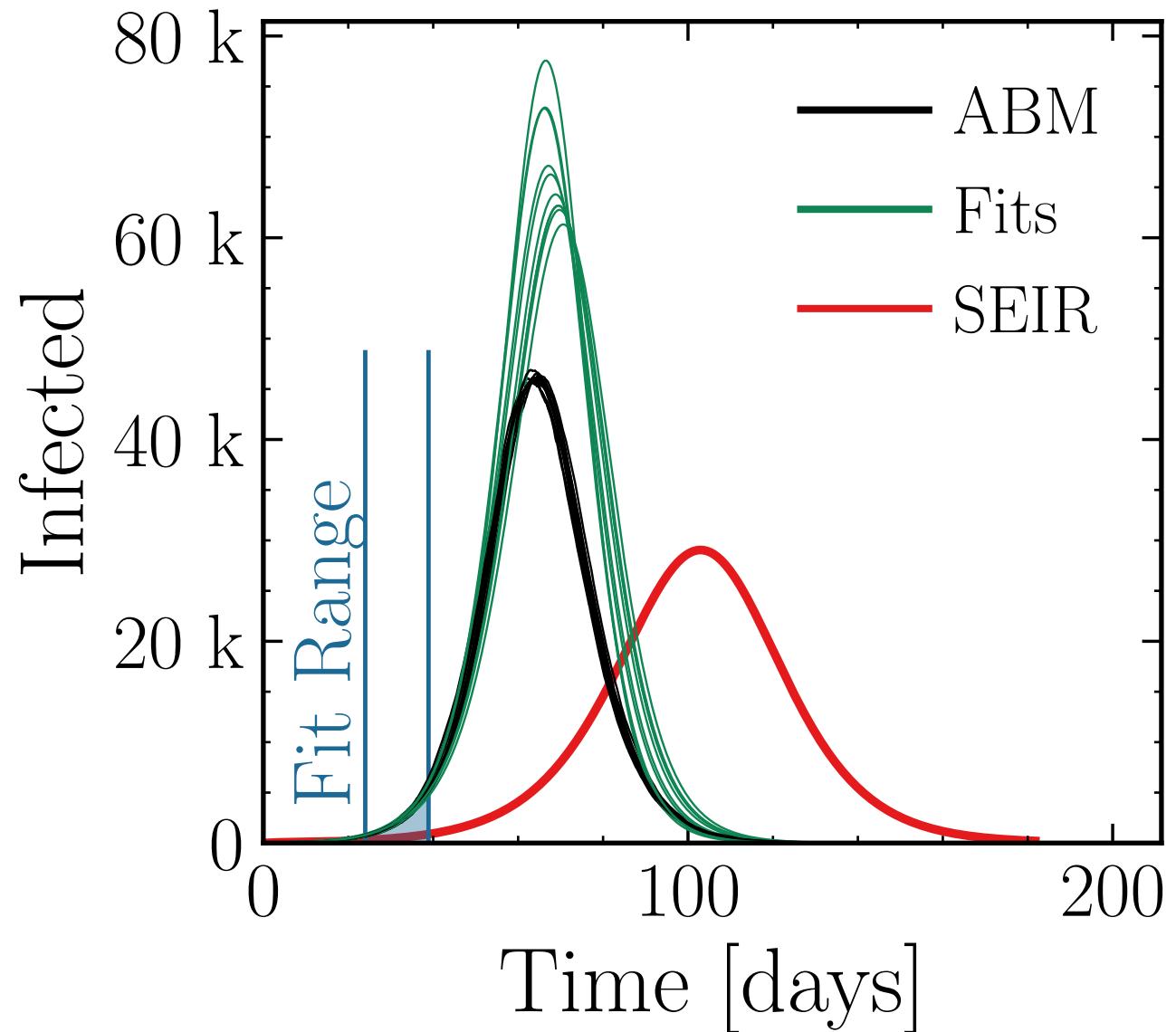
$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β scaling} = 10.0, event_{weekendmultiplier} = 1.0

$$I_{\text{max}}^{\text{fit}} = (67 \pm 2.4\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{ABM}}^{\text{max}}} = 1.45 \pm 0.036 \quad v. = 1.0, \text{hash} = 59275534b4, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (490 \pm 0.65\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.39 \pm 0.0090$$



$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.25$, $\beta = 0.01$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$

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

$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

$$I_{\text{max}}^{\text{fit}} = (133 \pm 3.5\%) \cdot 10^3$$

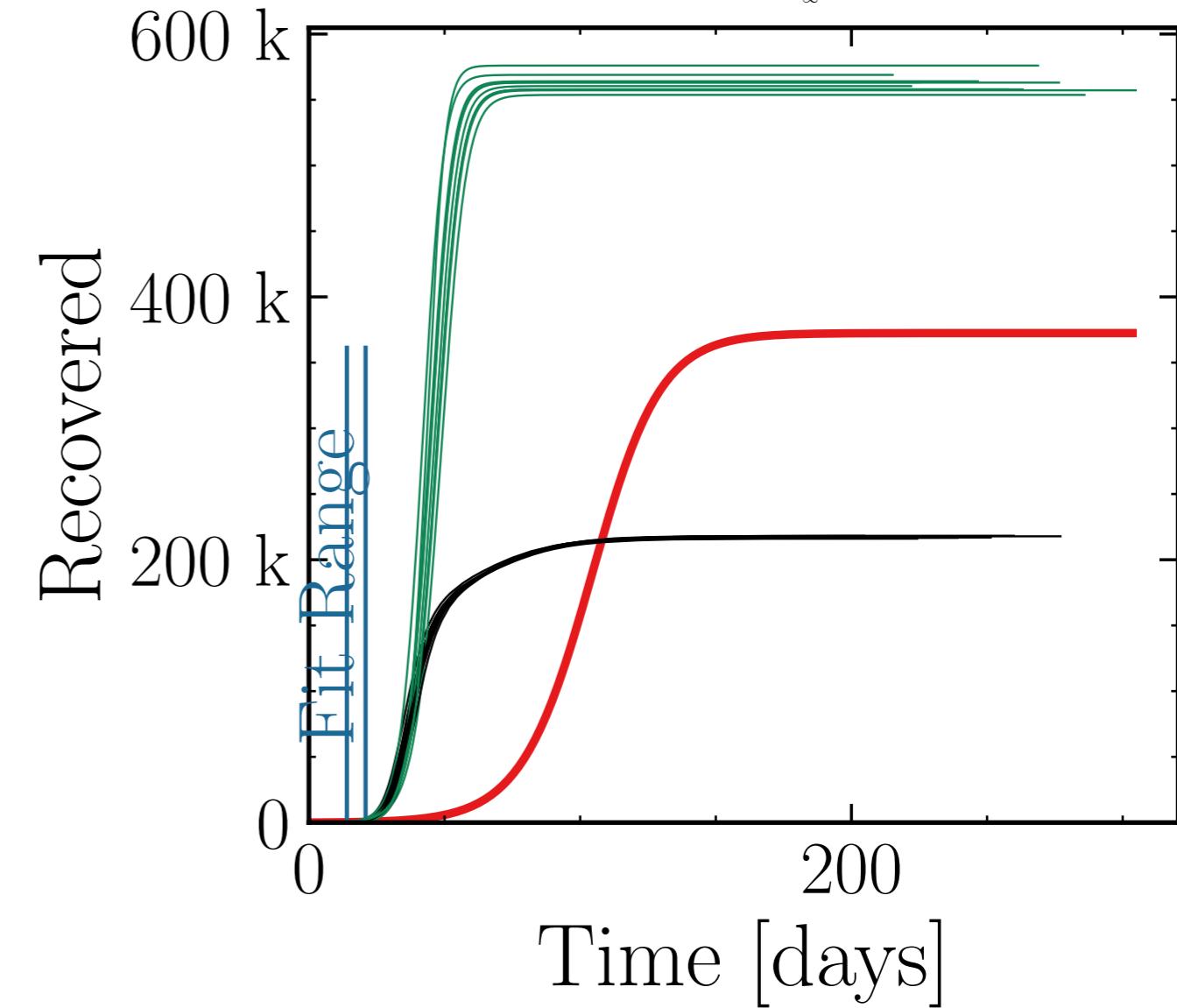
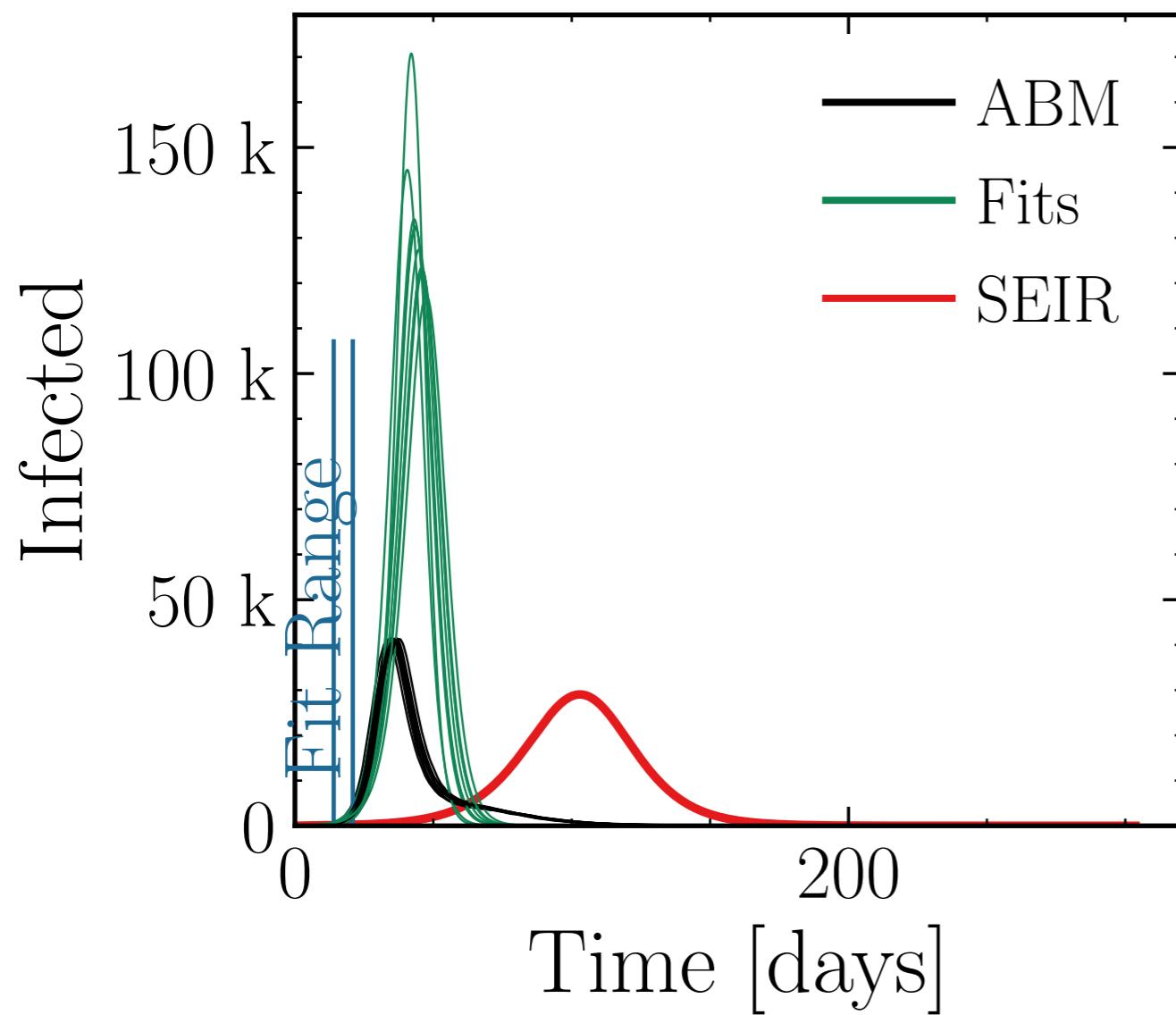
$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 3.2 \pm 0.11$$

$$v. = 1.0$$

$$\text{hash} = \text{d}0\text{cd}1\text{b}8\text{e}6\text{e}, \#10$$

$$R_{\infty}^{\text{fit}} = (562 \pm 0.35\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 2.59 \pm 0.010$$



$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.25$, $\beta = 0.01$, $\sigma_\beta = 1.0$, algo = 2, $N_{\text{init}} = 100$

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

$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β scaling} = 10.0, event_{weekendmultiplier} = 1.0

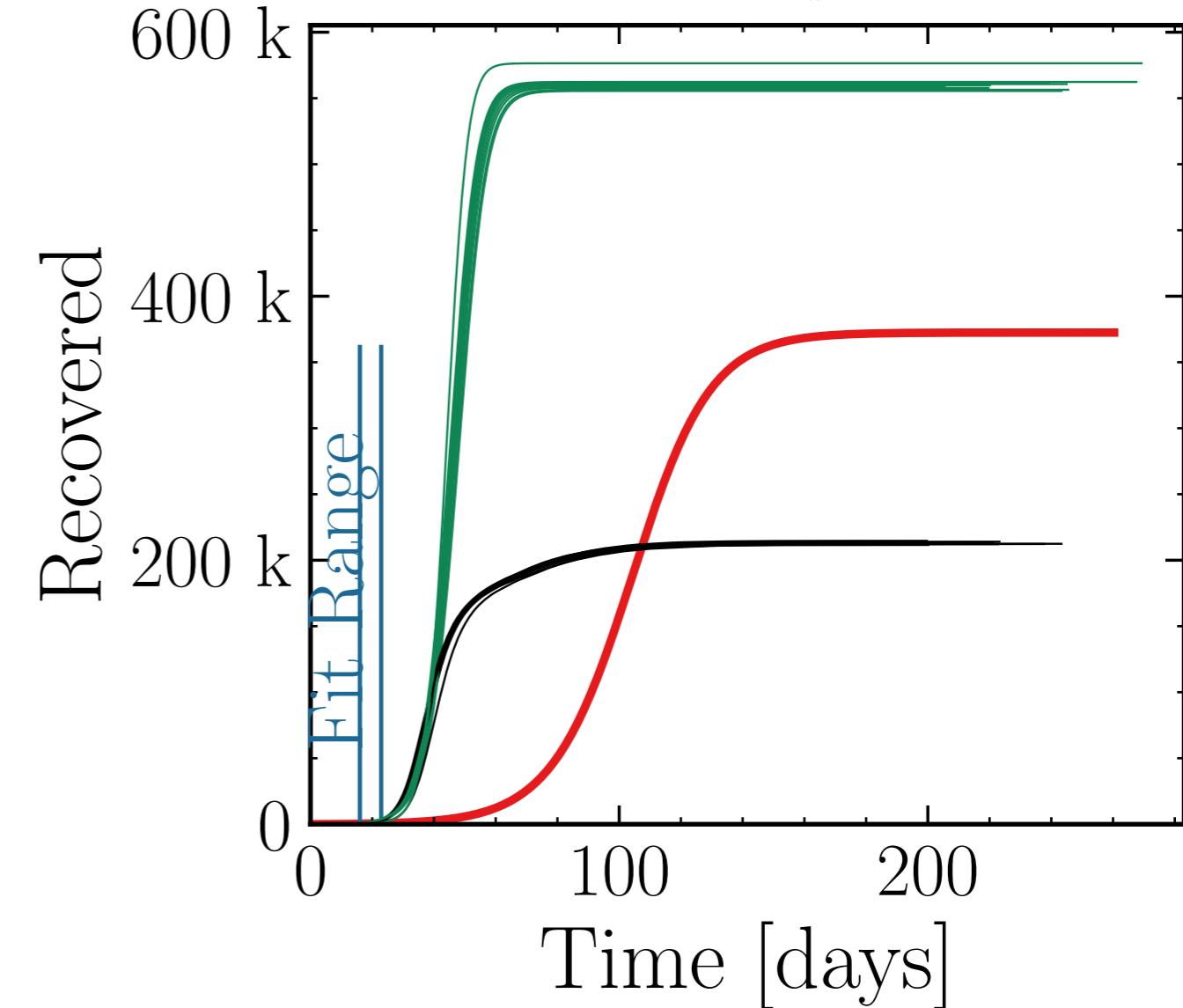
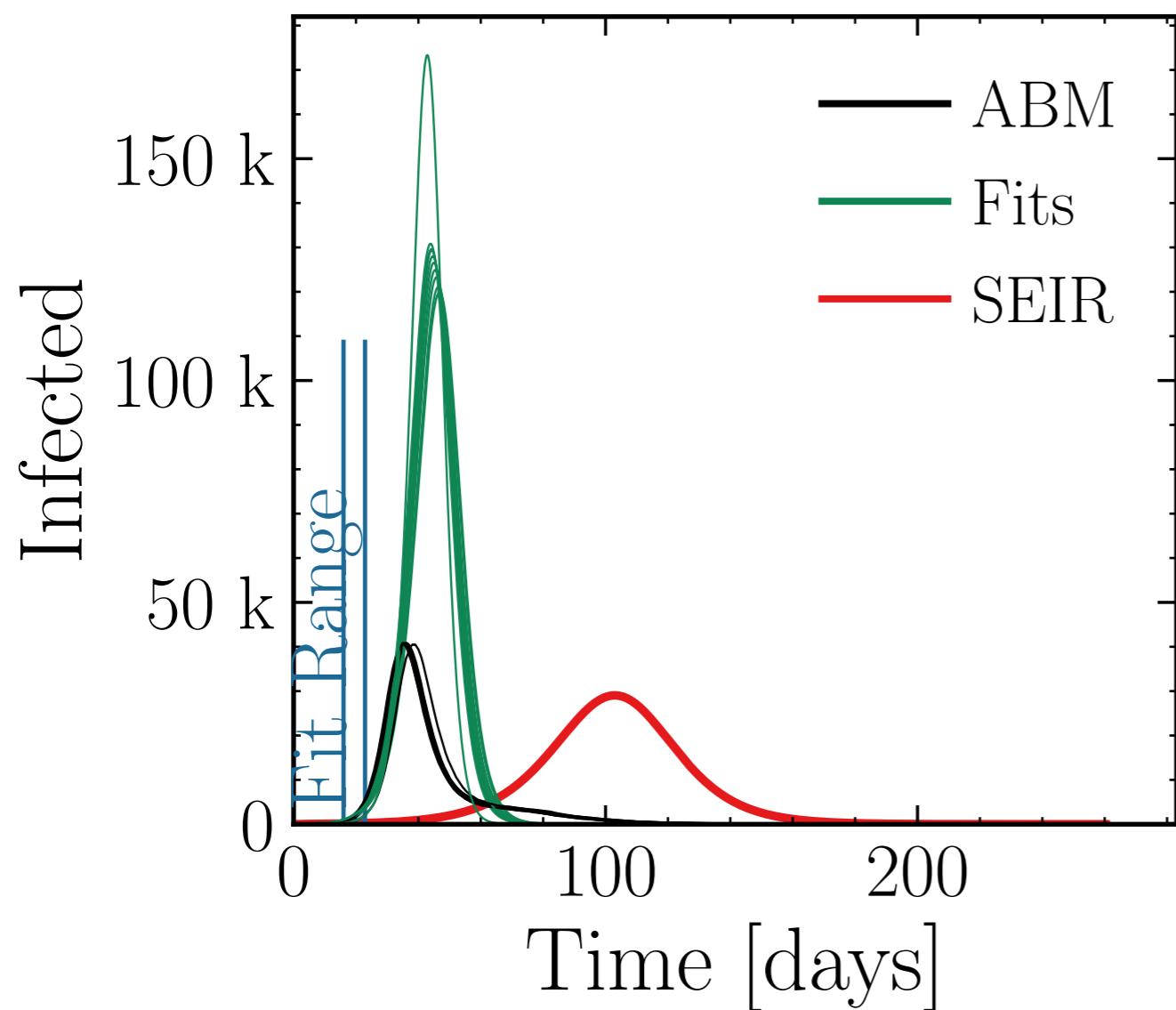
$$I_{\text{max}}^{\text{fit}} = (131 \pm 3.5\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 3.2 \pm 0.12$$

$$\text{v.} = 1.0, \text{hash} = 9a61cc3795$$

$$R_{\infty}^{\text{fit}, \#10} = (561 \pm 0.31\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{fit}, \#10}} = 2.63 \pm 0.010$$



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

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

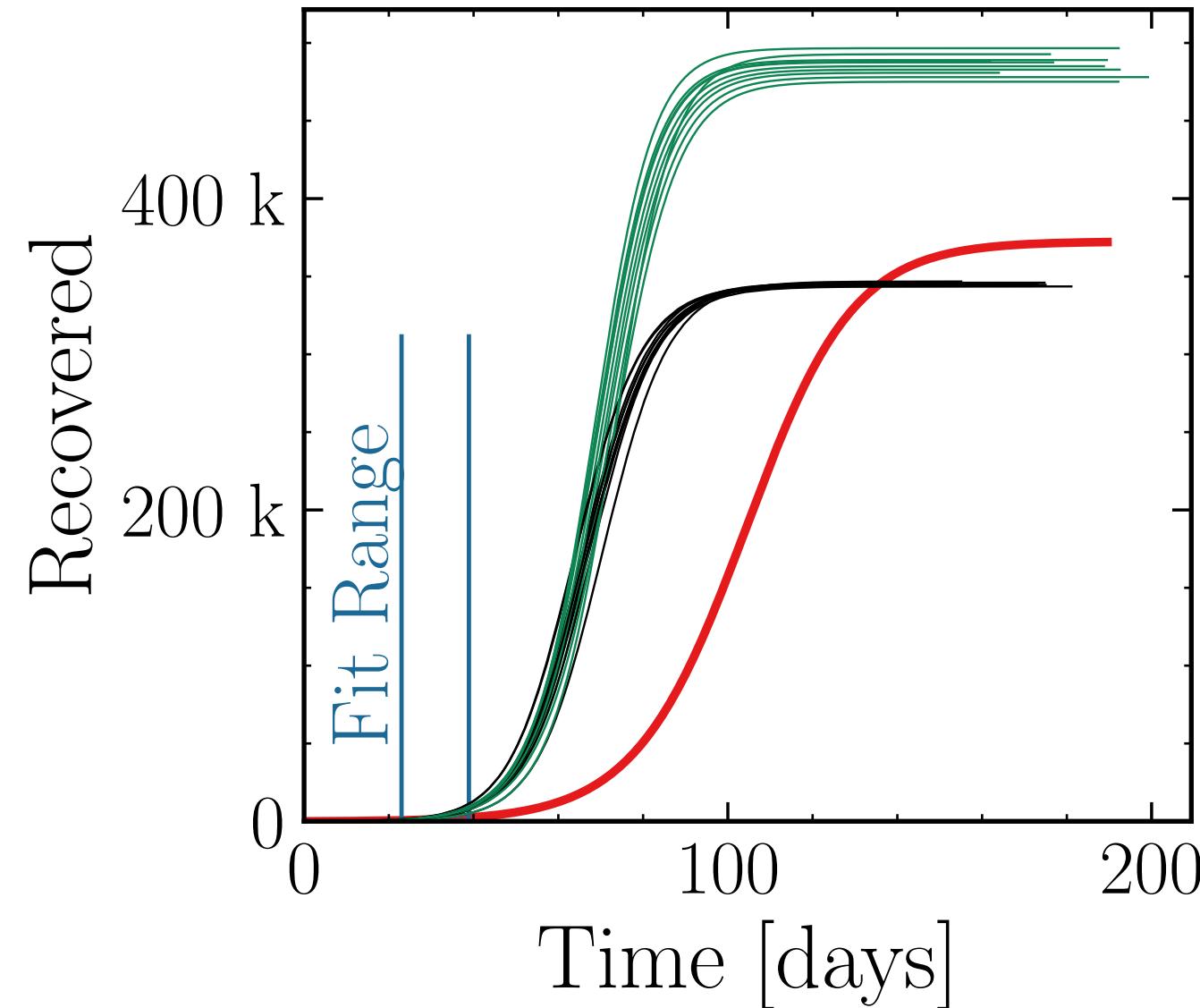
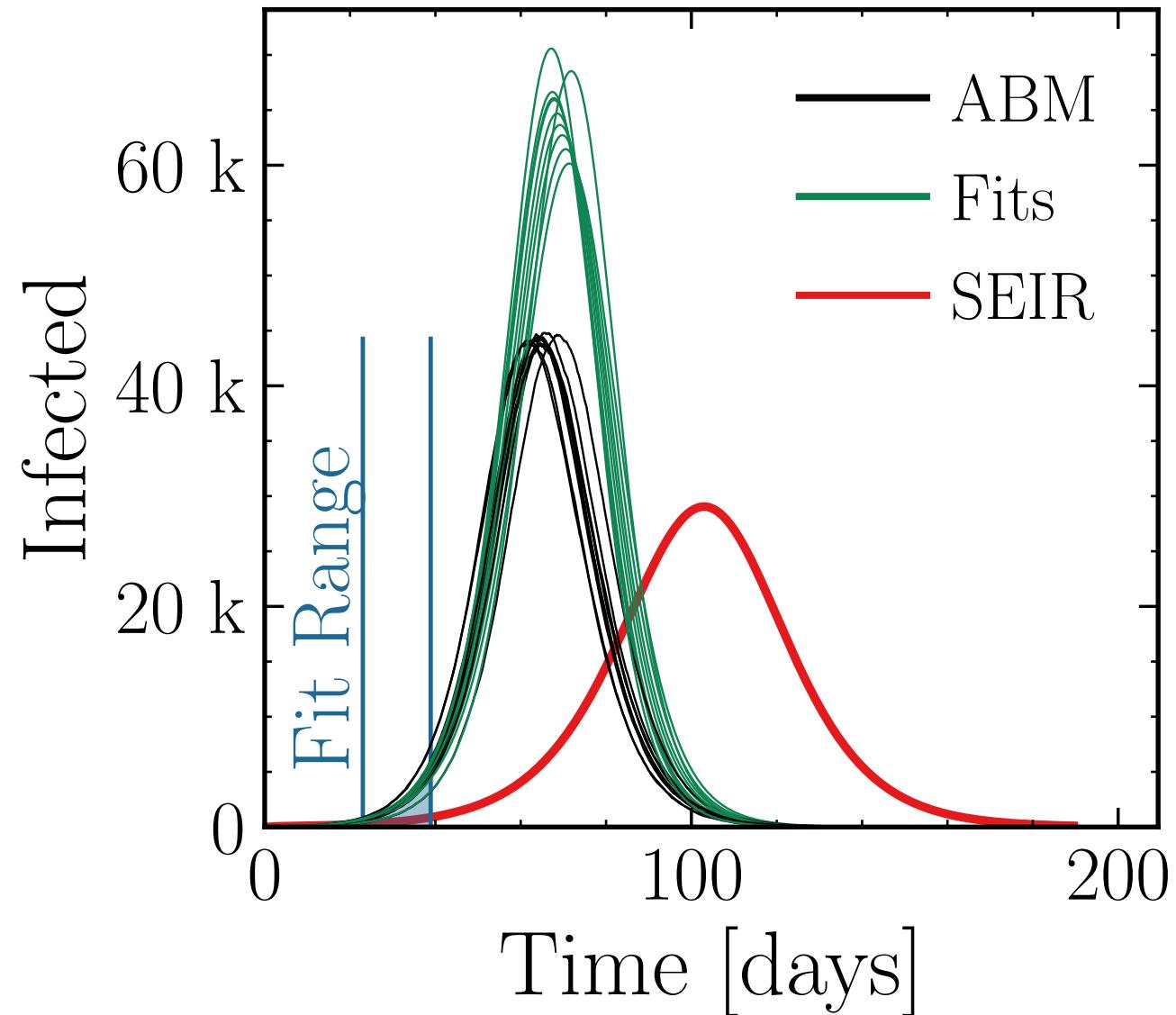
$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

$$I_{\text{max}}^{\text{fit}} = (65 \pm 1.5\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1.47 \pm 0.022 \quad v. = 1.0, \text{hash} = b5e7f76afdf\#10$$

$$R_{\infty}^{\text{fit}} = (486 \pm 0.41\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.408 \pm 0.0056$$



$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.75$, $\beta = 0.01$, $\sigma_\beta = 0.0$, 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_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

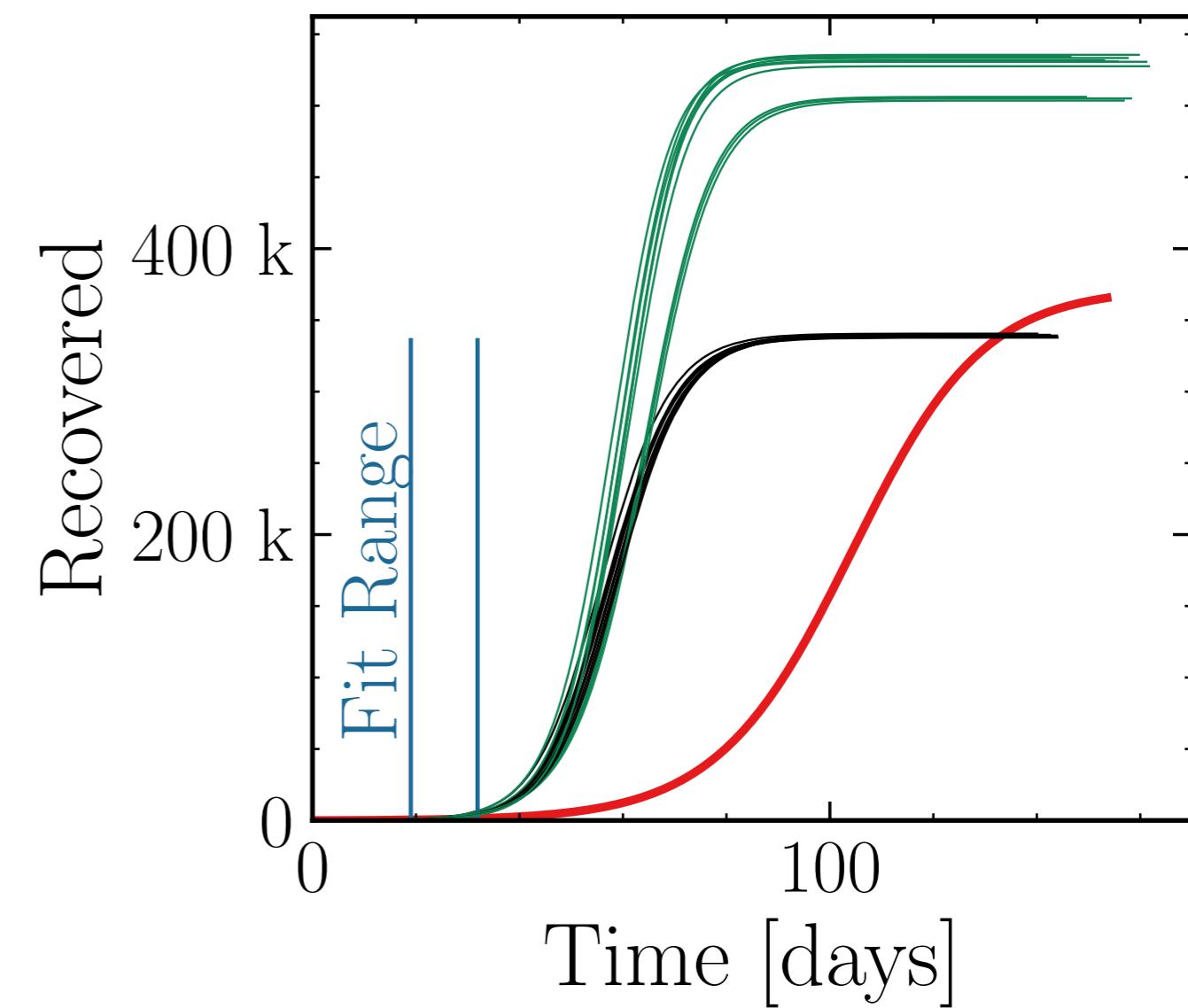
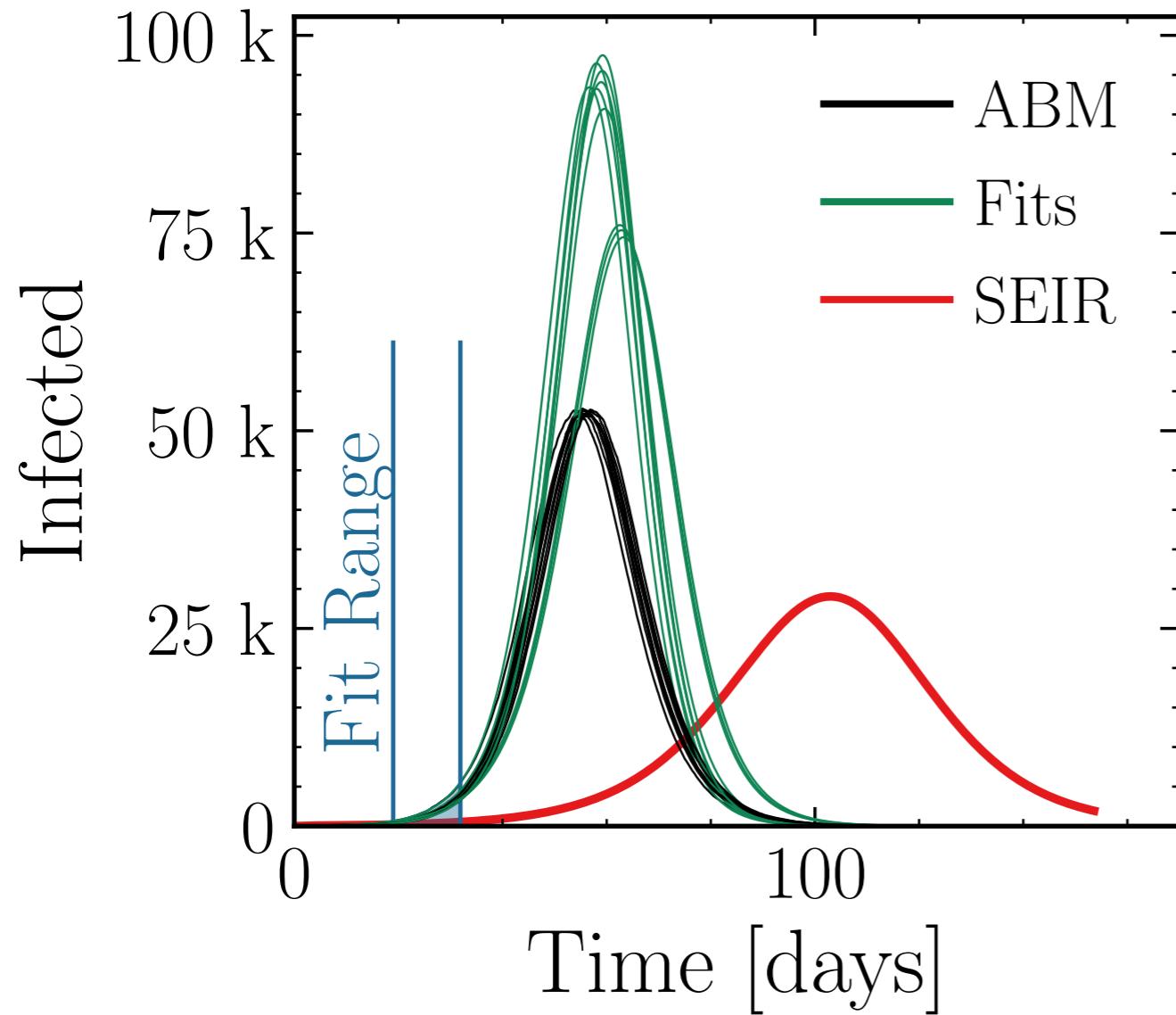
$$I_{\text{max}}^{\text{fit}} = (89 \pm 3.2\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1.69 \pm 0.054$$

$$\text{v.} = 1.0, \text{hash} = \text{e8896d2037}, \#10$$

$$R_{\infty}^{\text{fit}} = (524 \pm 0.77\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.55 \pm 0.012$$



$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.5$, $\beta = 0.01$, $\sigma_\beta = 0.0$, 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_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

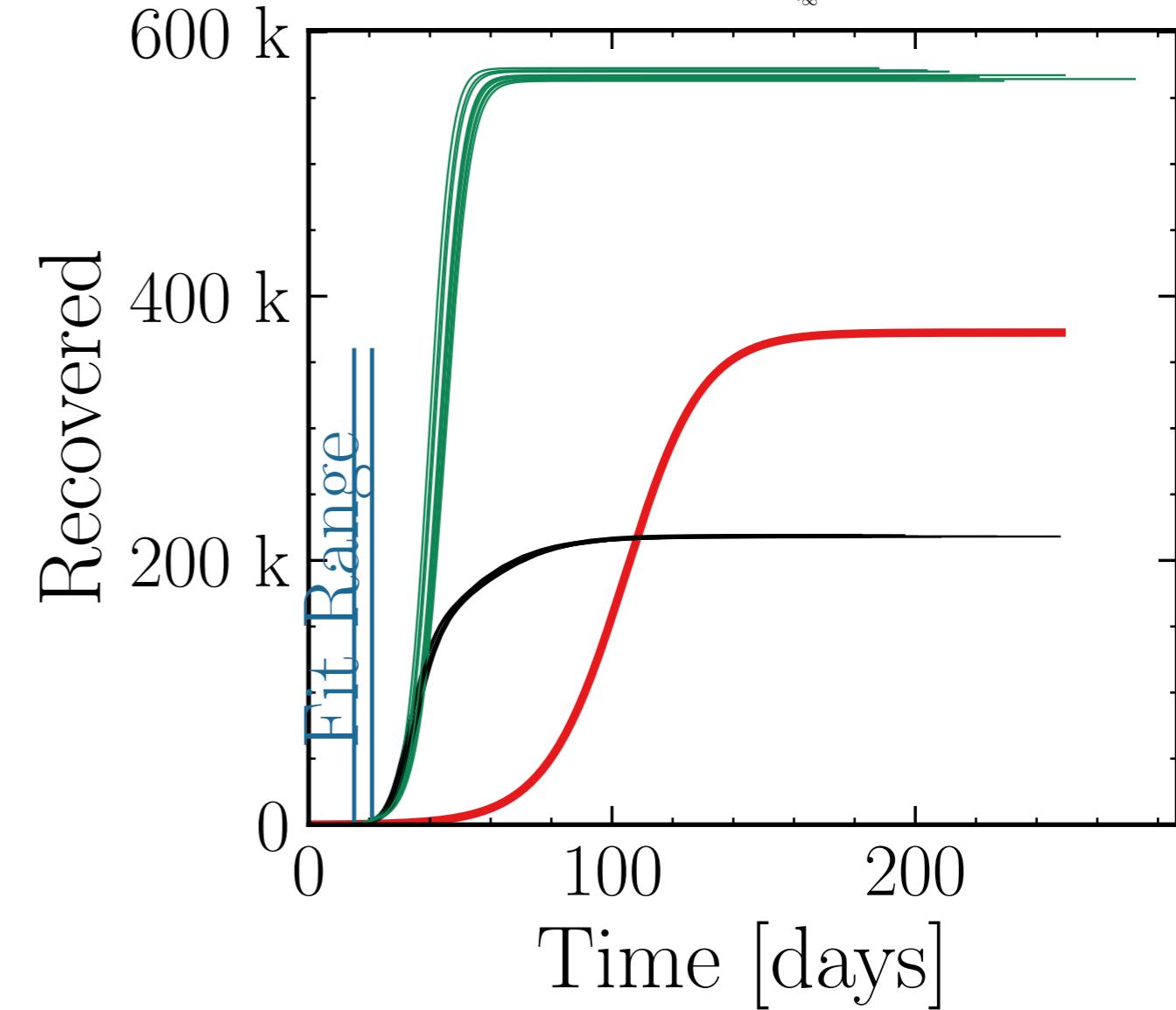
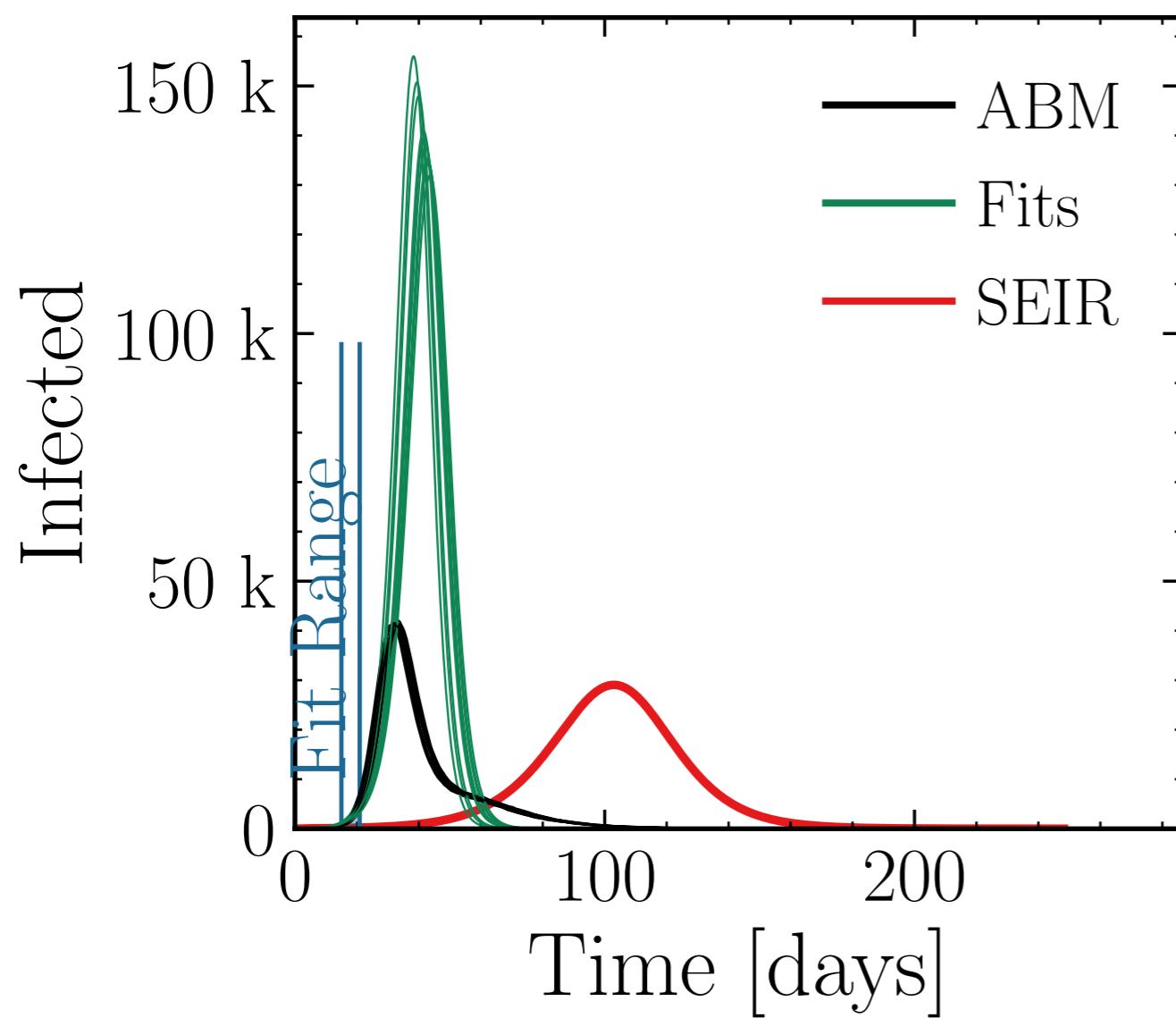
$$I_{\text{max}}^{\text{fit}} = (141 \pm 1.7\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 3.4 \pm 0.059$$

$$\text{v.} = 1.0, \text{hash} = 9bbe850b9d, \#10$$

$$R_{\infty}^{\text{fit}} = (567 \pm 0.17\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 2.597 \pm 0.0055$$



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

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

$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β scaling} = 10.0, event_{weekendmultiplier} = 1.0

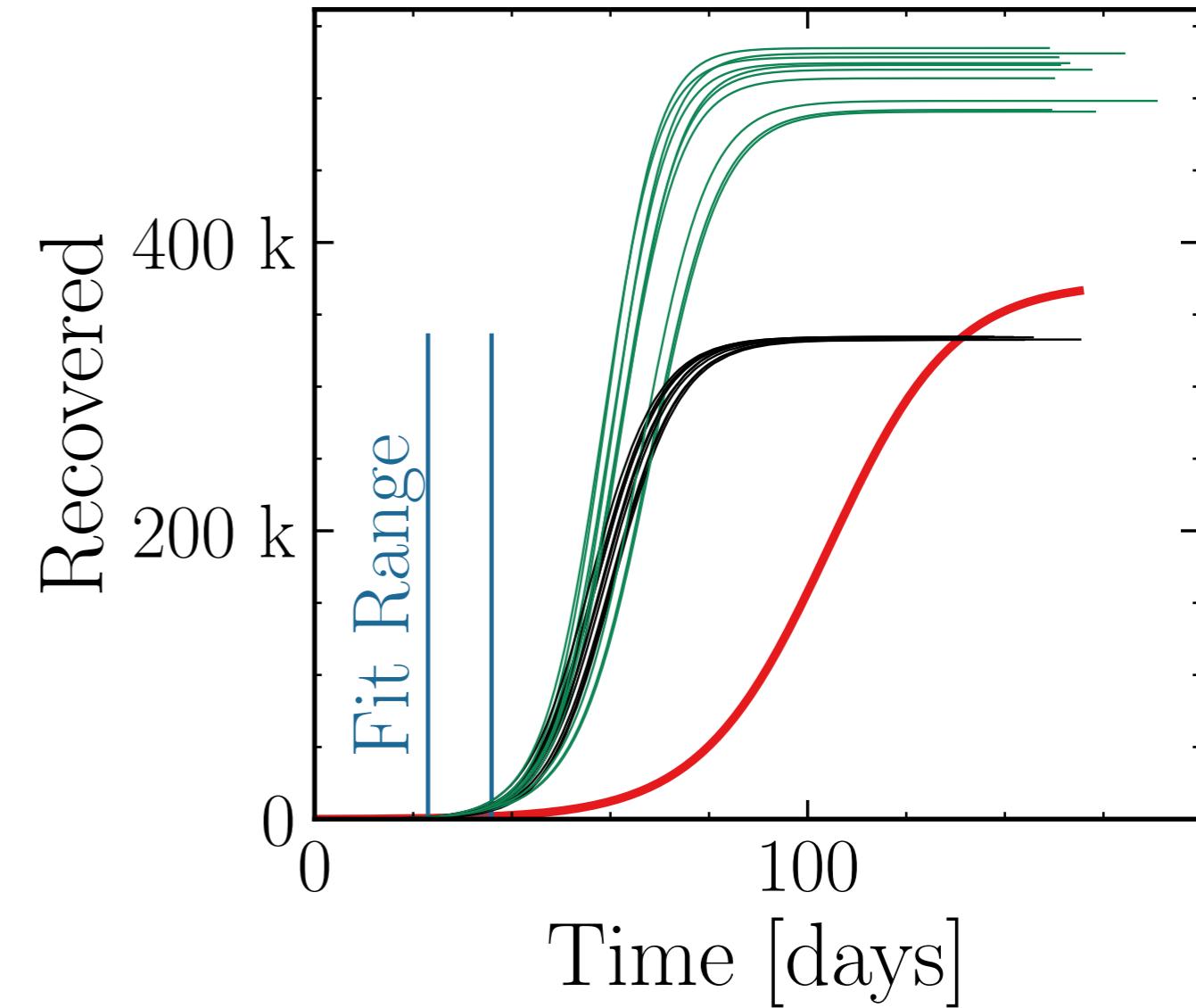
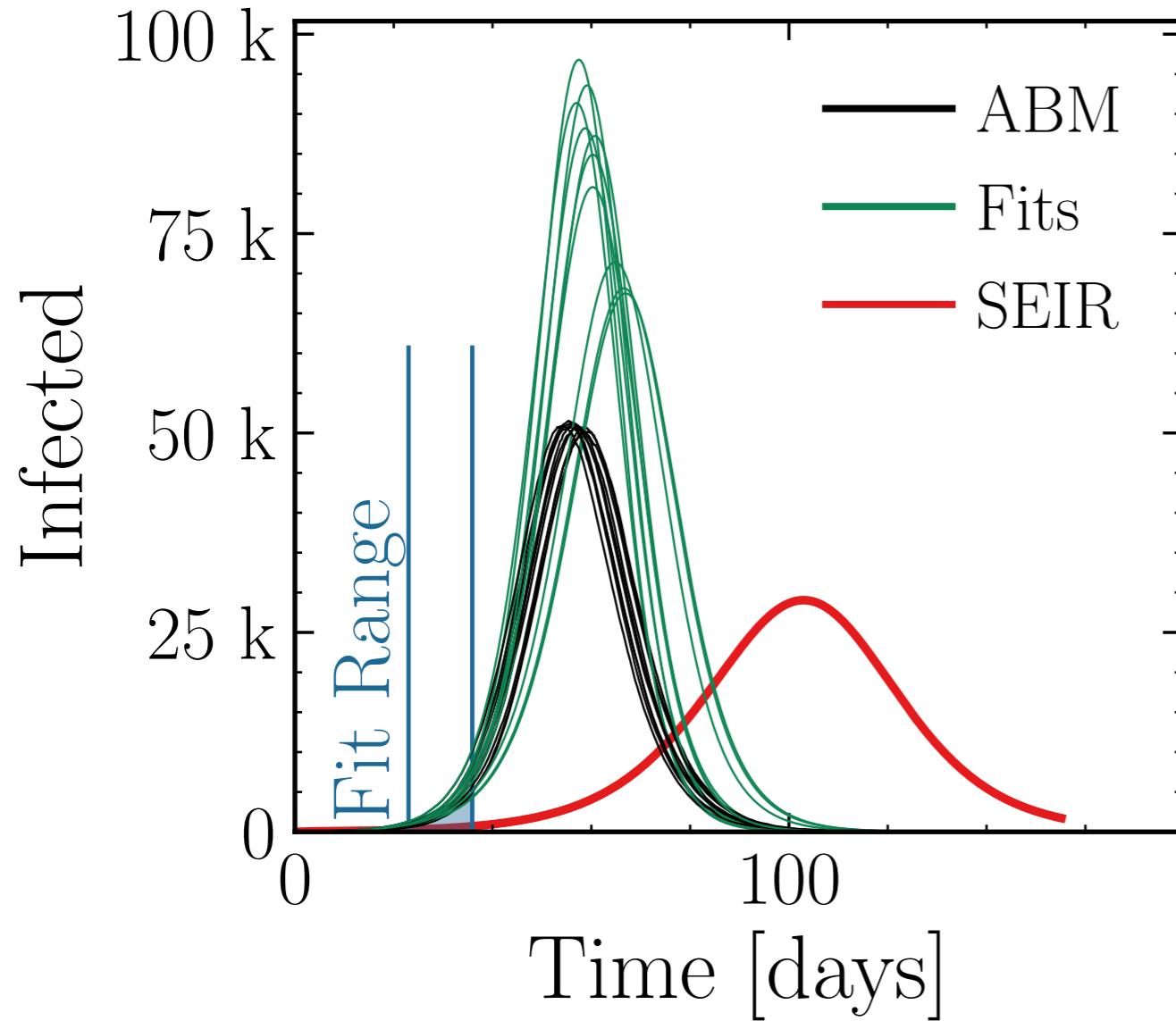
$$I_{\text{max}}^{\text{fit}} = (83 \pm 3.8\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{ABM}}^{\text{fit}}} = 1.63 \pm 0.059$$

$$\text{v.} = 1.0, \text{hash} = 7900eb8c8b, \#10$$

$$R_{\infty}^{\text{fit}} = (516 \pm 0.95\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.55 \pm 0.014$$



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

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

$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

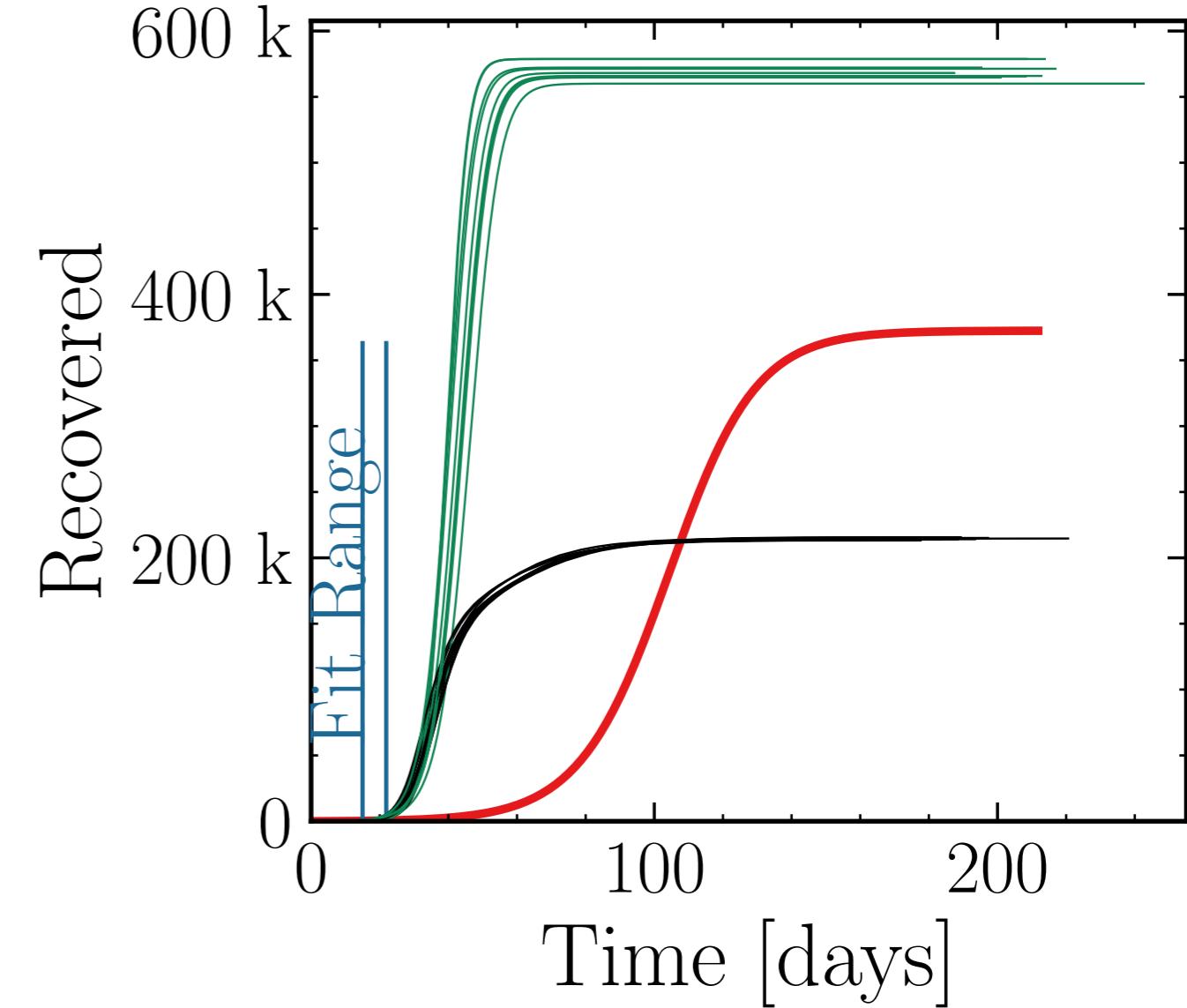
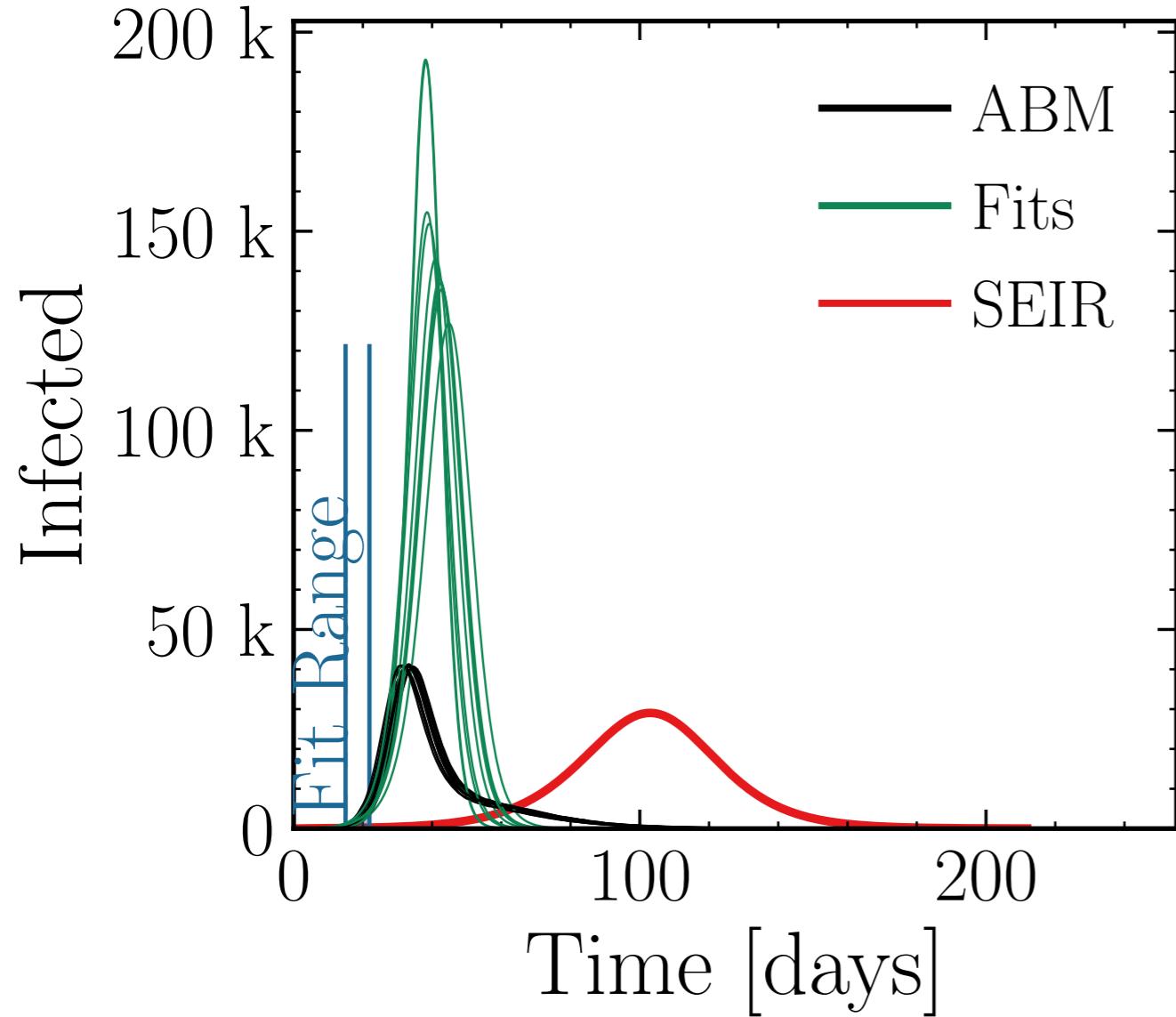
$$I_{\text{max}}^{\text{fit}} = (151 \pm 4.7\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 3.7 \pm 0.18$$

$$\text{v.} = 1.0, \text{hash} = 44f212126b, \#10$$

$$R_{\infty}^{\text{fit}} = (569 \pm 0.32\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 2.66 \pm 0.010$$



$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.75$, $\beta = 0.01$, $\sigma_\beta = 0.0$, 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_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

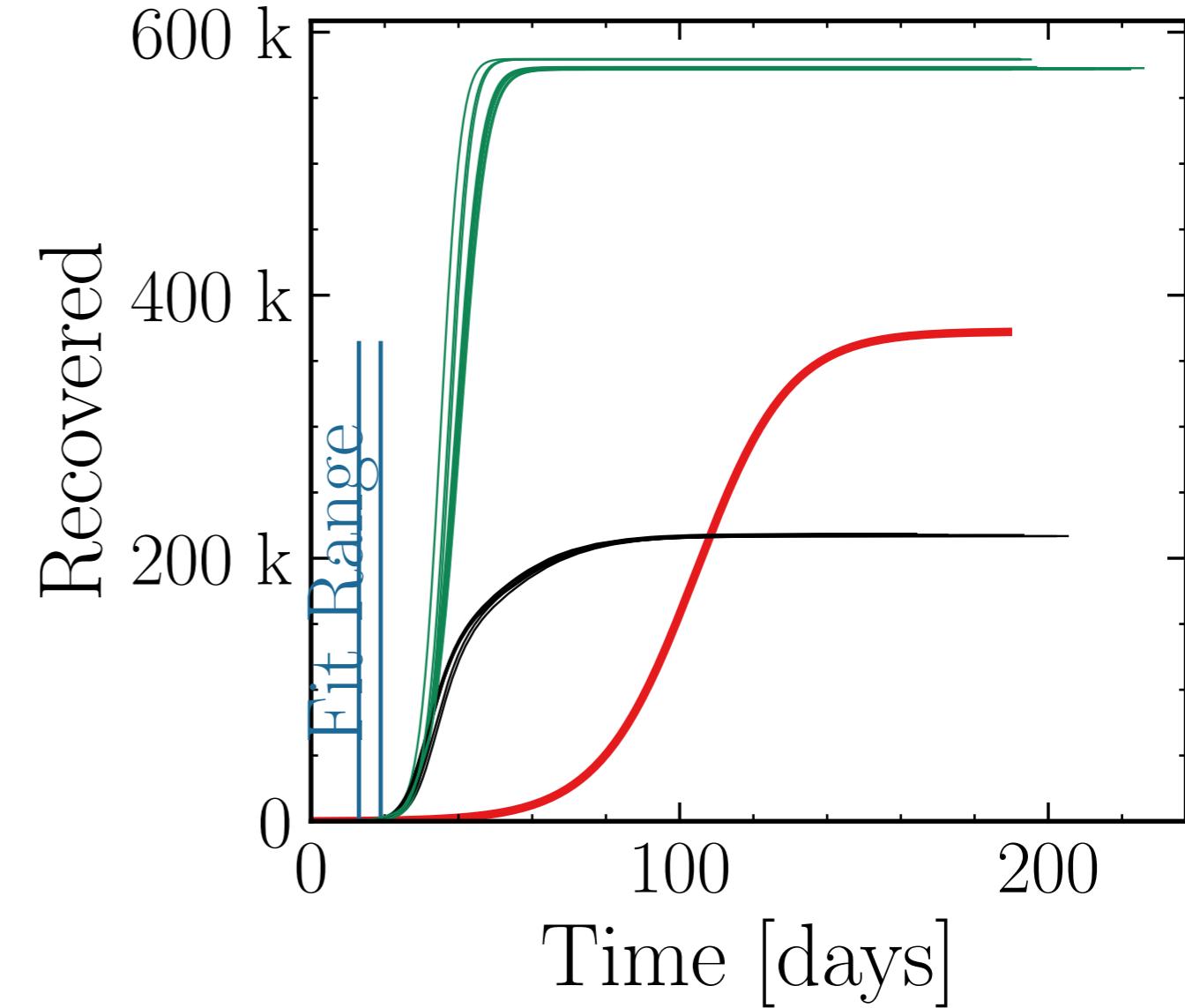
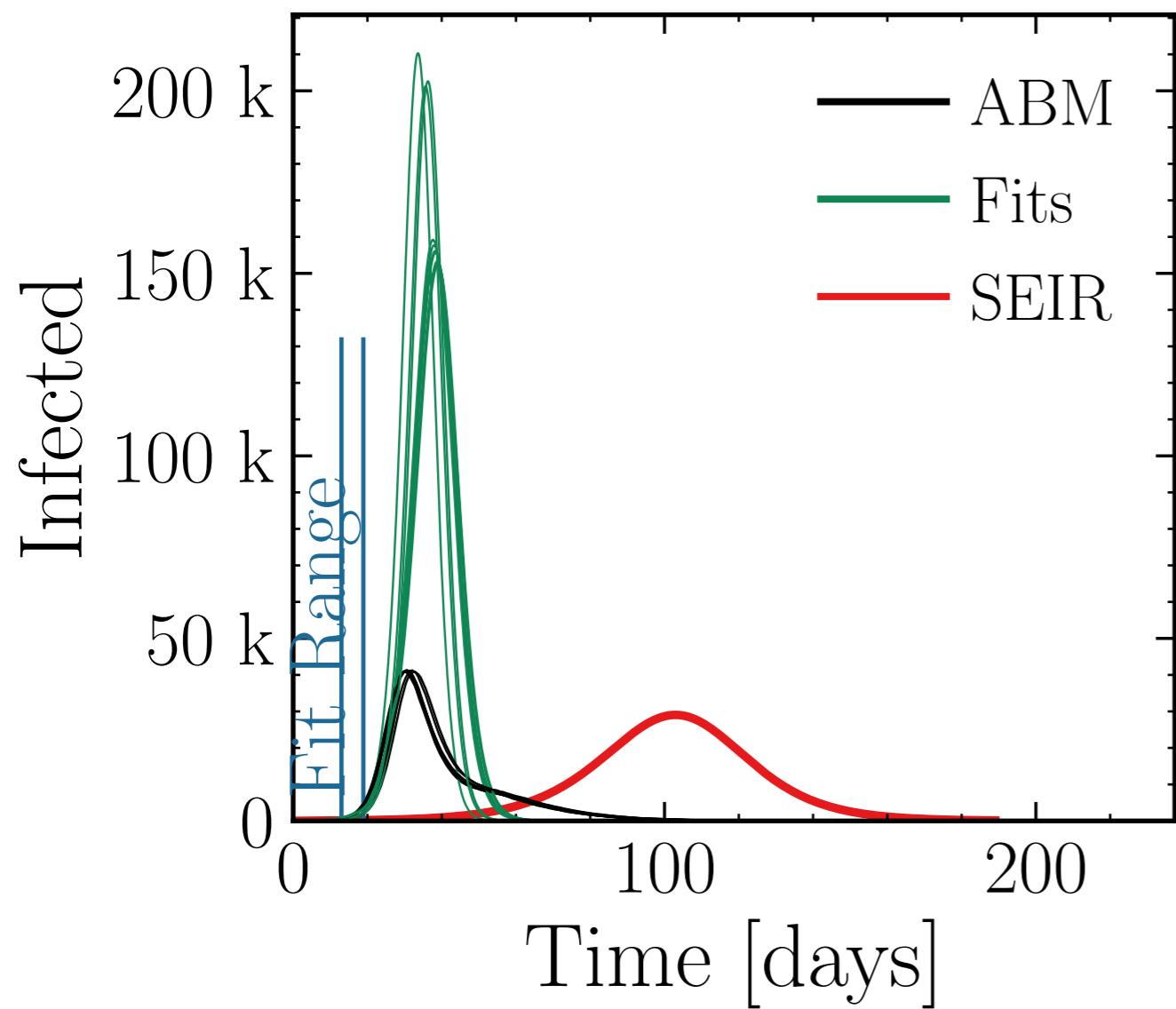
$$I_{\text{max}}^{\text{fit}} = (170 \pm 4.2\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 4.1 \pm 0.17$$

$$\text{v.} = 1.0, \text{hash} = 42f6511bcb, \#10$$

$$R_{\infty}^{\text{fit}} = (575 \pm 0.18\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 2.644 \pm 0.0053$$



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

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

$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

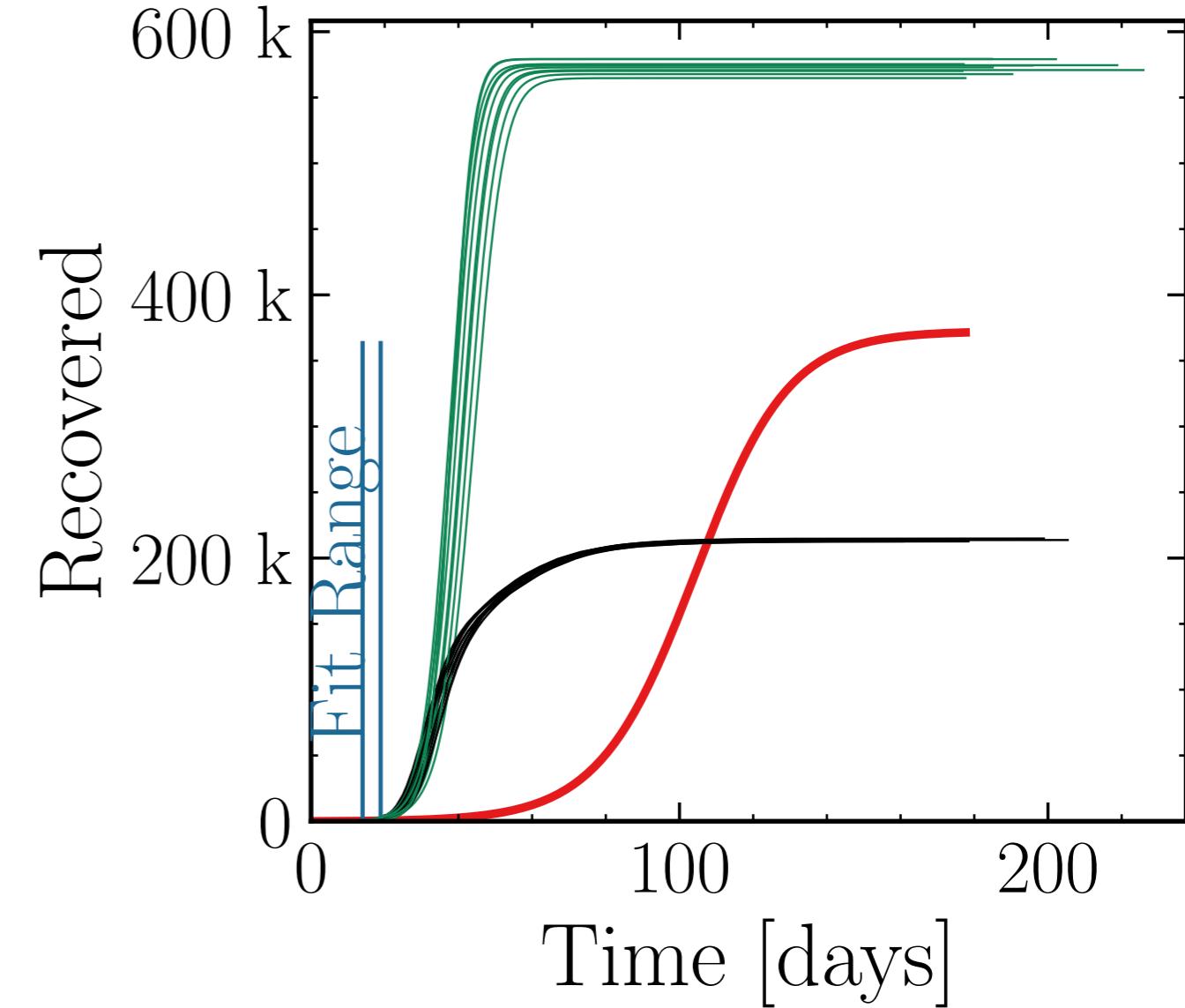
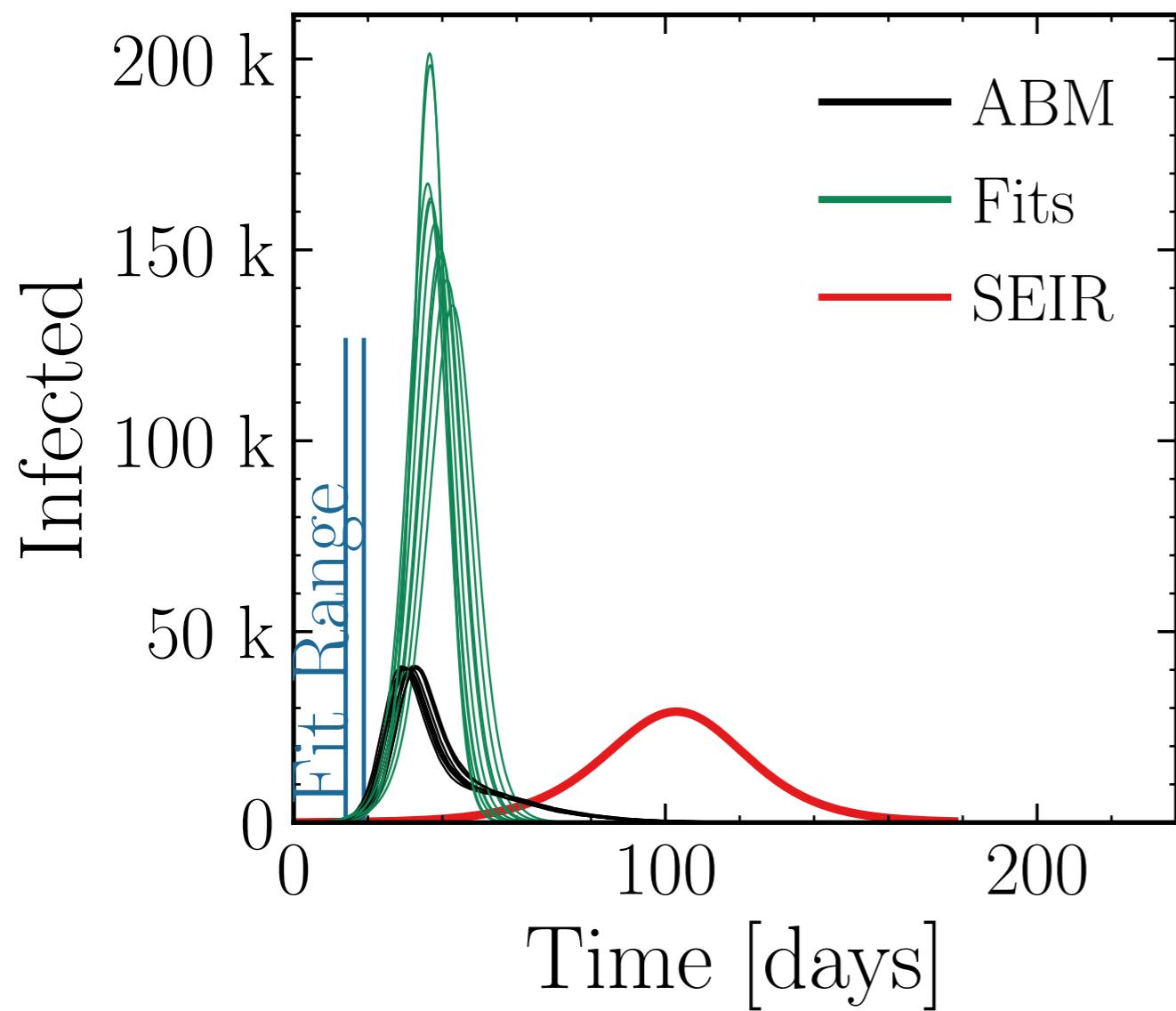
$$I_{\text{max}}^{\text{fit}} = (163 \pm 4.1\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 4 \pm 0.16$$

$$v. = 1.0, \text{hash} = \text{bf2d74c098}, \#10$$

$$R_{\infty}^{\text{fit}} = (573 \pm 0.24\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 2.68 \pm 0.0072$$



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

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

$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

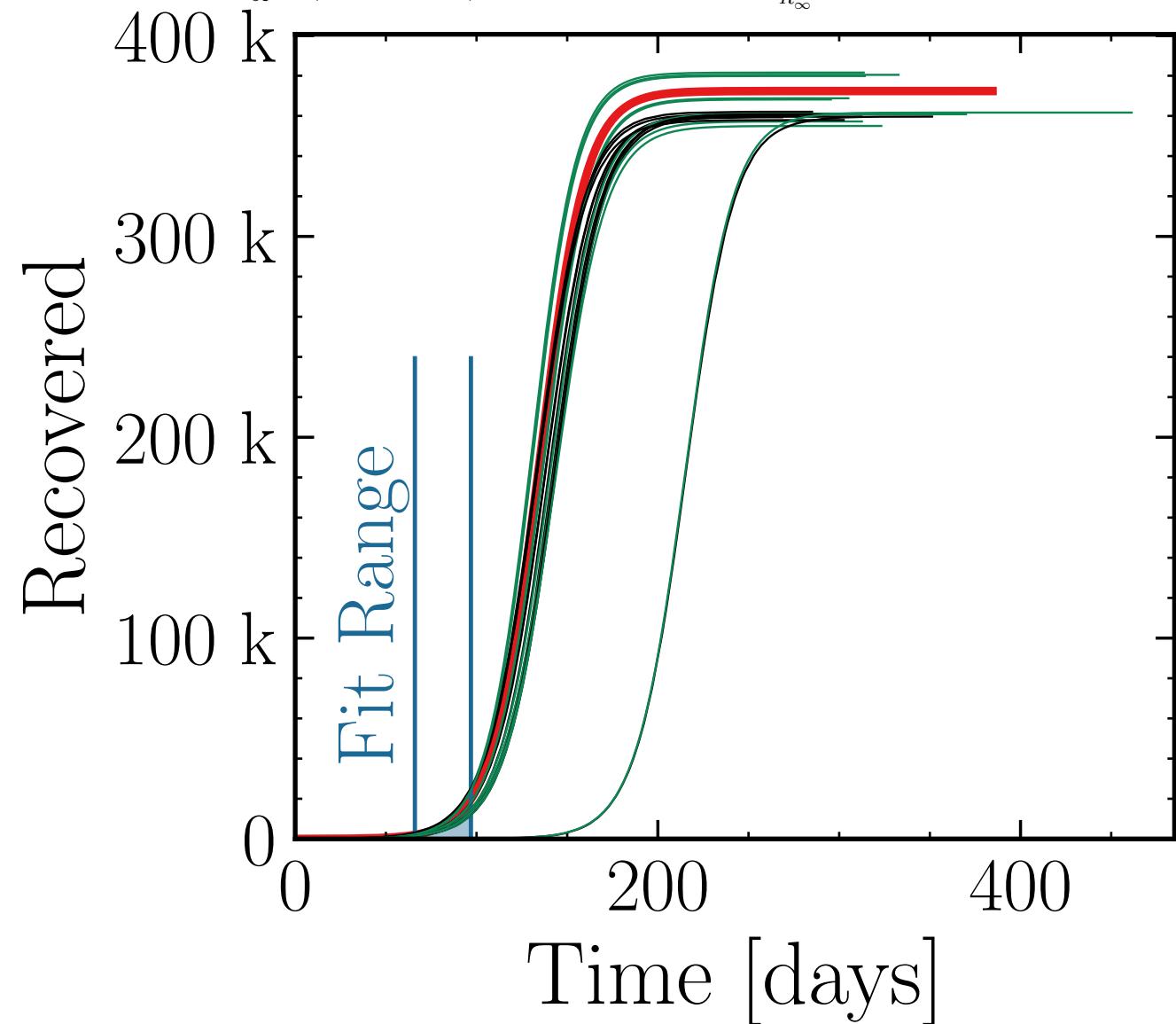
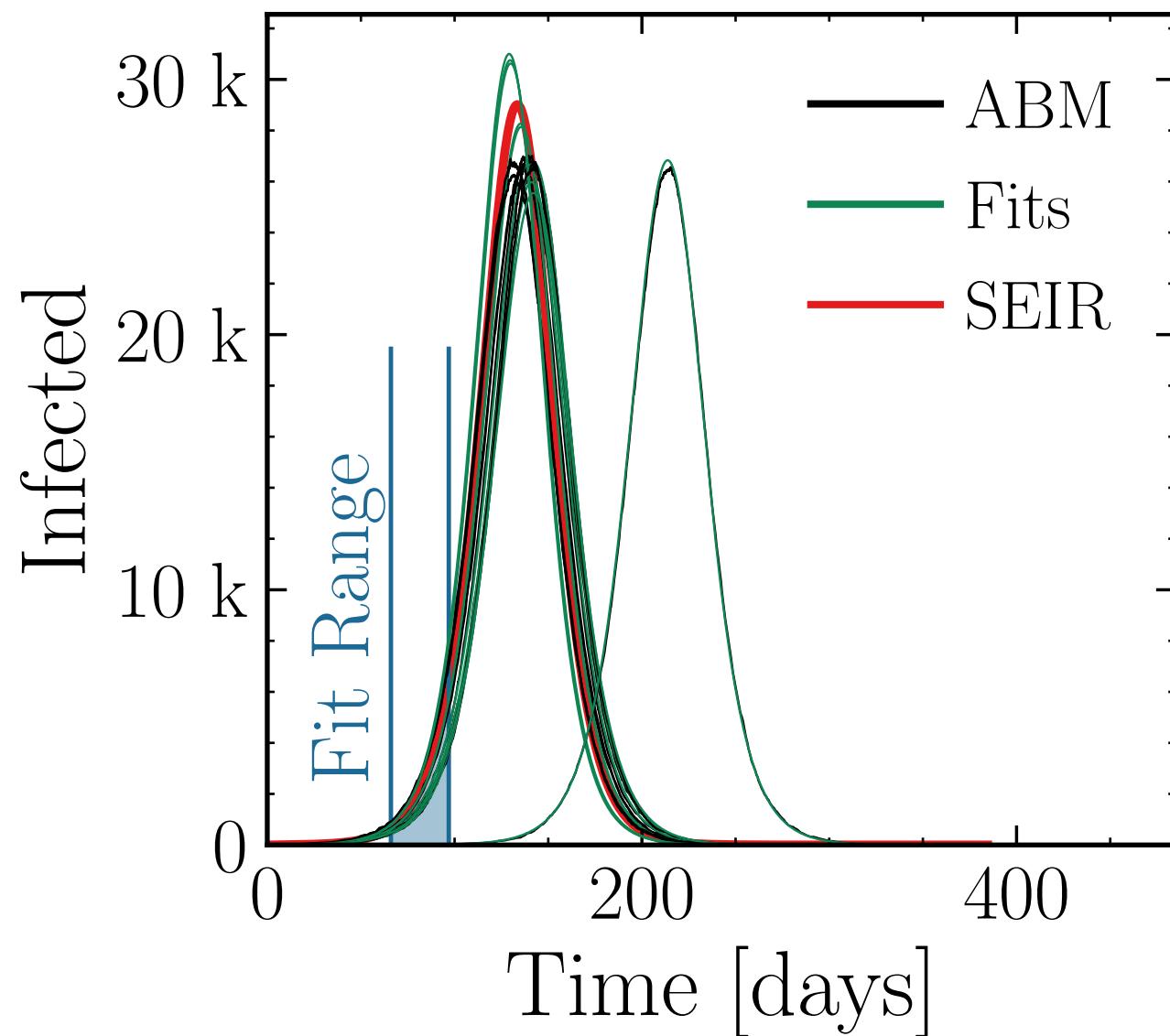
$$I_{\text{max}}^{\text{fit}} = (28.1 \pm 2.2\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1.05 \pm 0.024$$

$$\text{v.} = 1.0, \text{hash} = \text{cdf78d9b72}\#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{fit}}} = (367 \pm 0.82\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{fit}}} = 1.02 \pm 0.0084$$



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

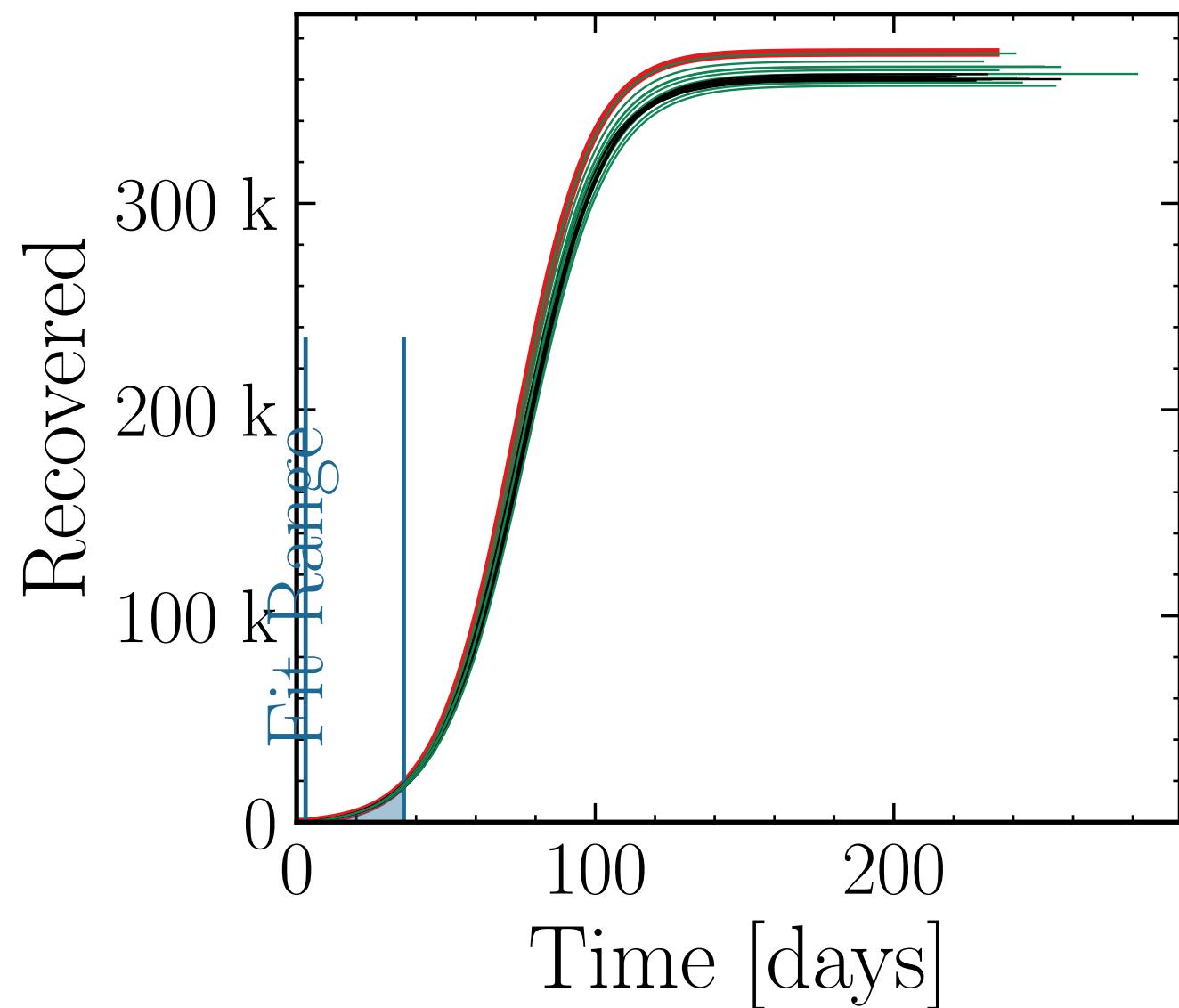
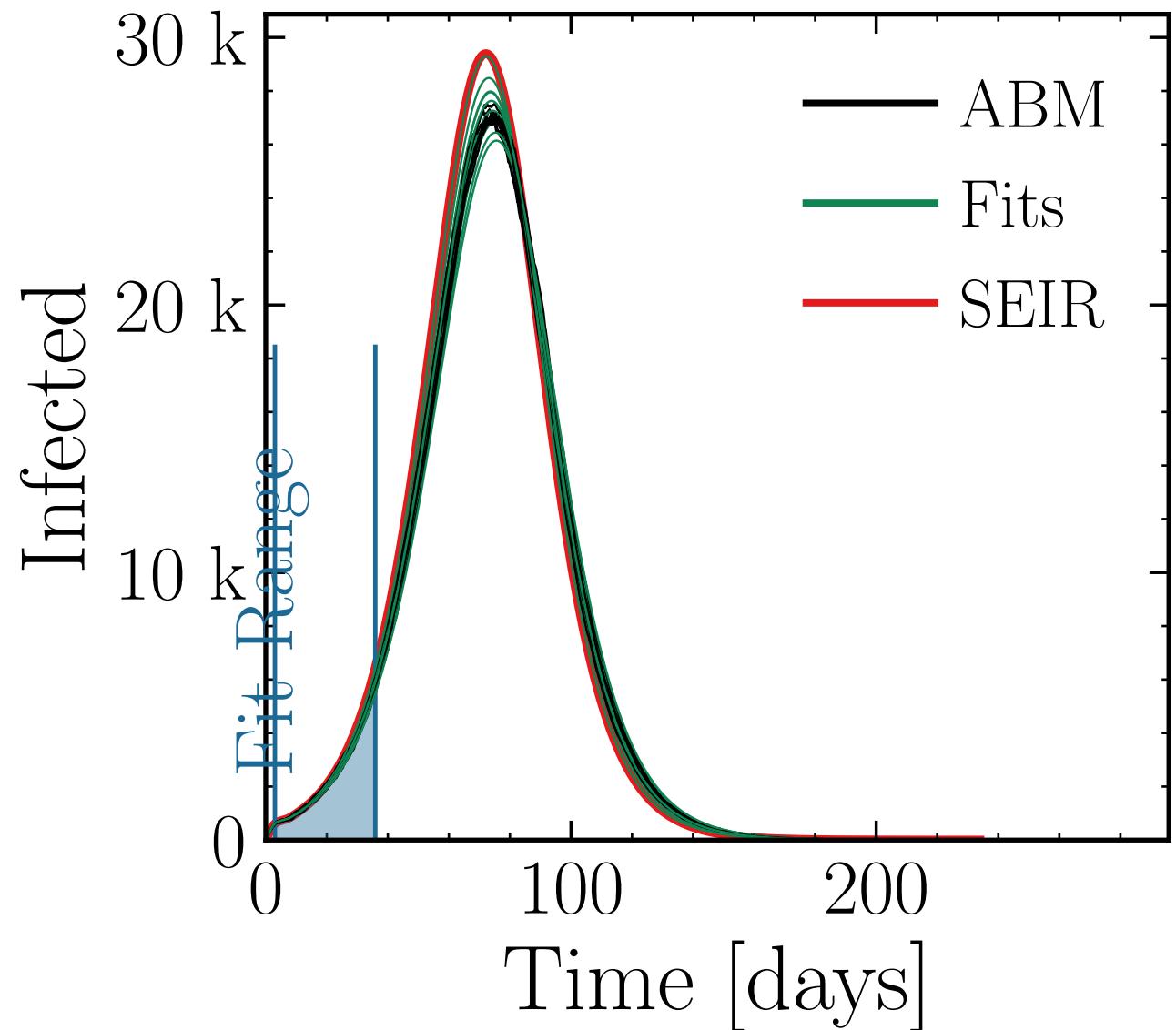
$\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β scaling} = 10.0, event_{weekendmultiplier} = 1.0

$$I_{\text{max}}^{\text{fit}} = (27.5 \pm 1.1\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{ABM}}^{\text{max}}} = 1.01 \pm 0.012 \quad v. = 1.0, \text{ hash} = 626b4f74c1 \#10 \quad R_{\infty}^{\text{fit}} \#(364 \pm 0.4\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.008 \pm 0.0046$$



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

$\lambda_E = 0.5$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

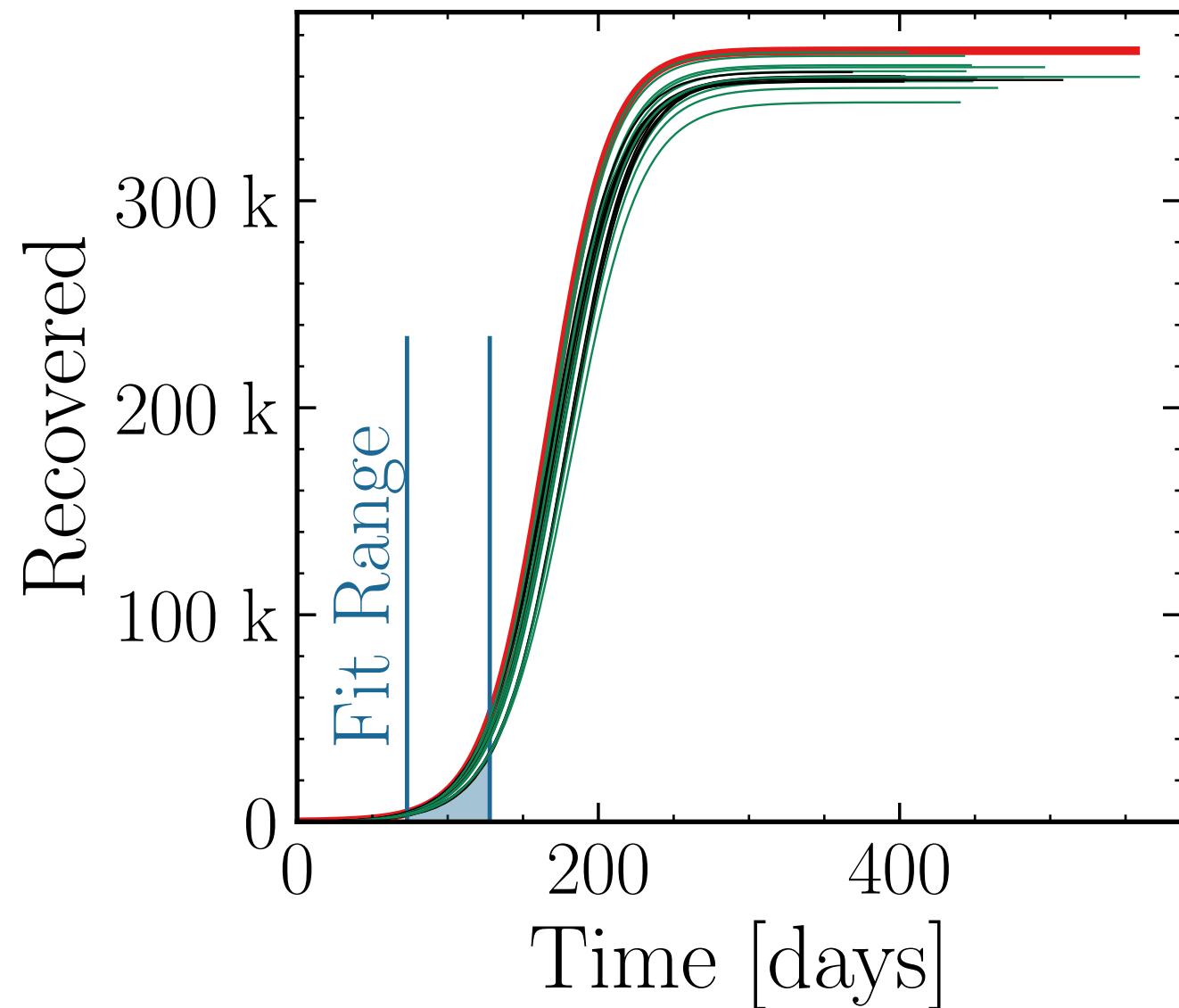
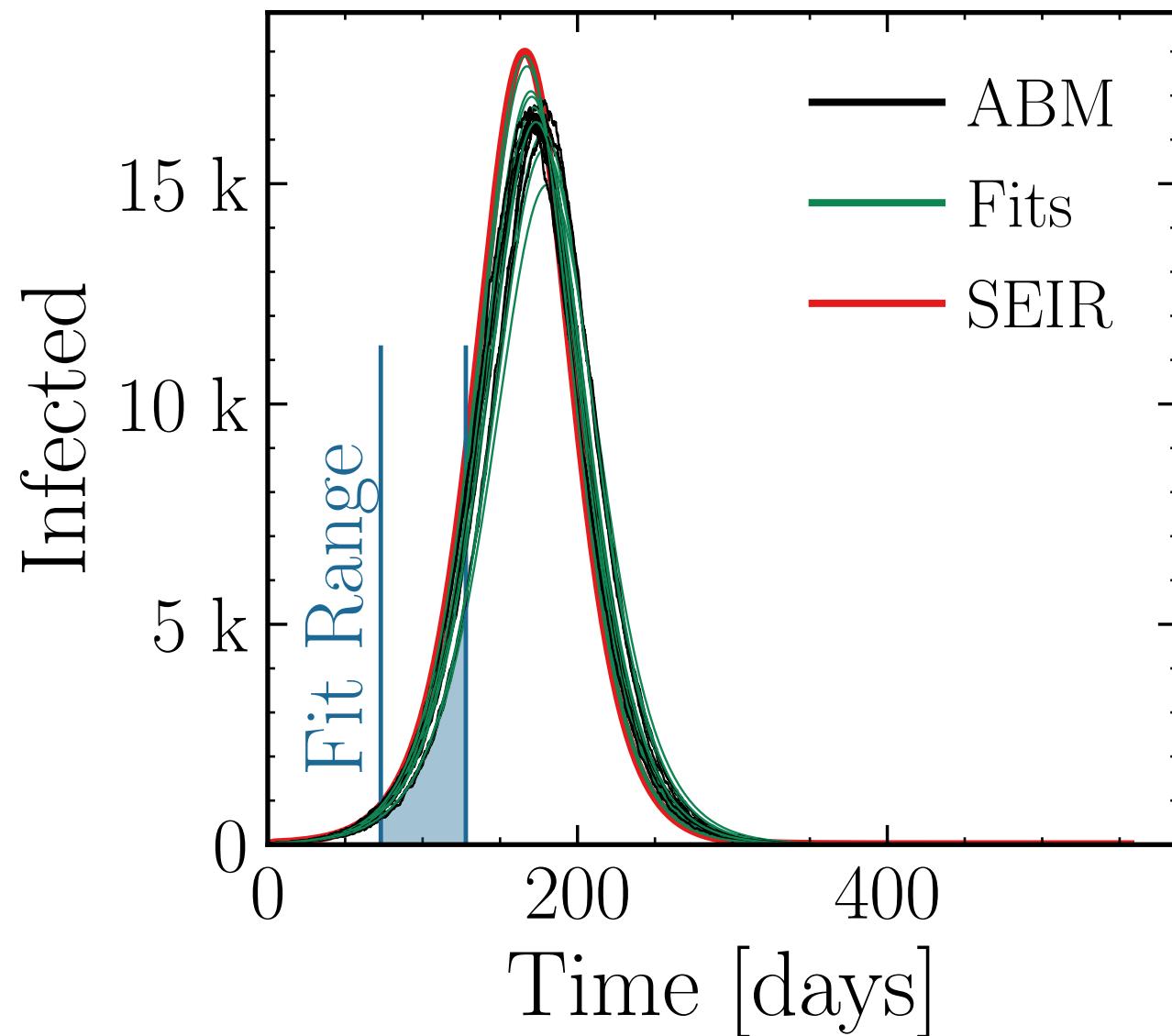
$$I_{\text{max}}^{\text{fit}} = (16.6 \pm 1.6\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1 \pm 0.016$$

$$\text{v.} = 1.0, \text{hash} = 4aea021601\#10$$

$$R_{\infty}^{\text{fit}} = (361 \pm 0.6\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.005 \pm 0.0061$$



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

$\lambda_E = 2.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{retries}}^{\text{connect}} = 0$

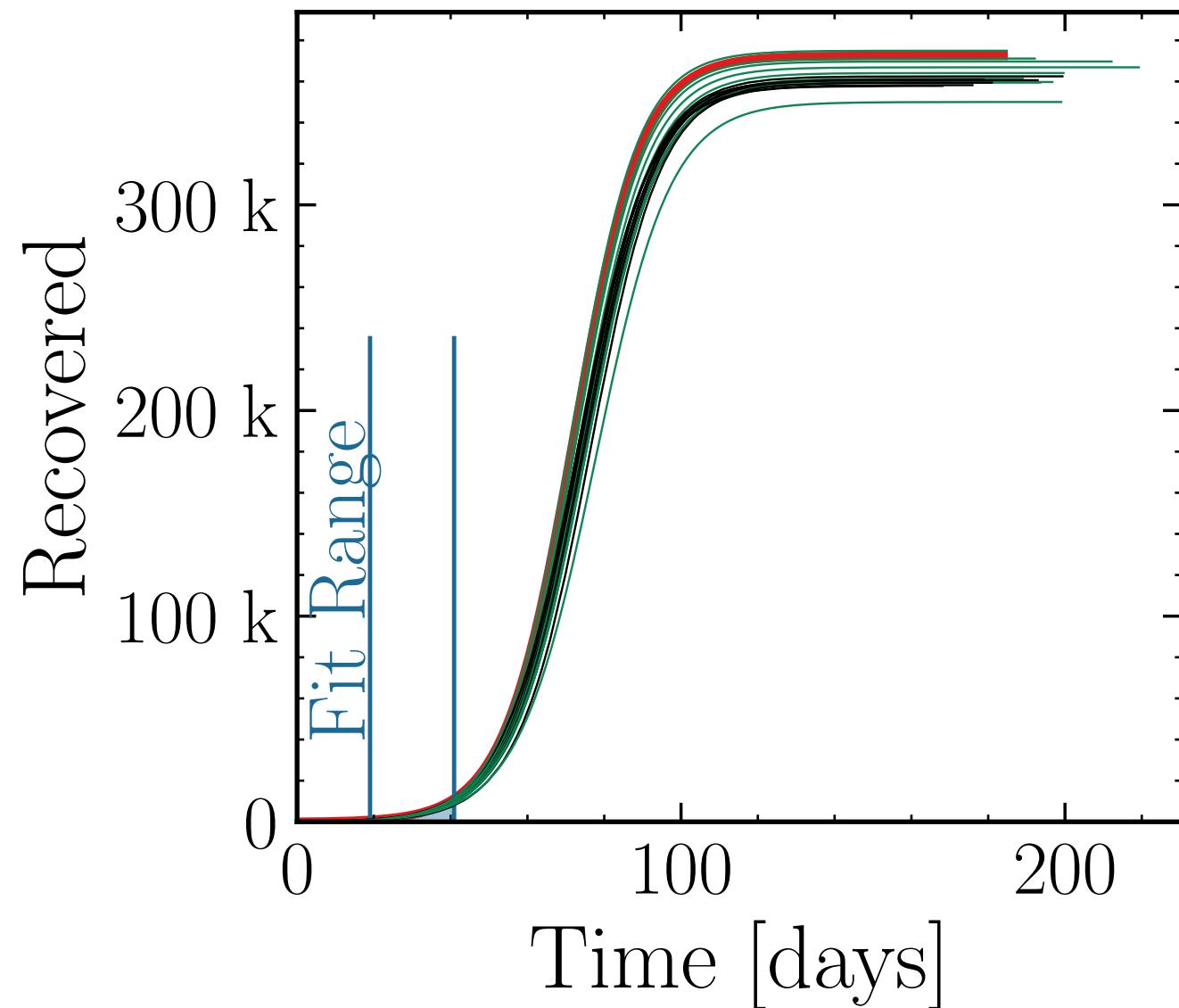
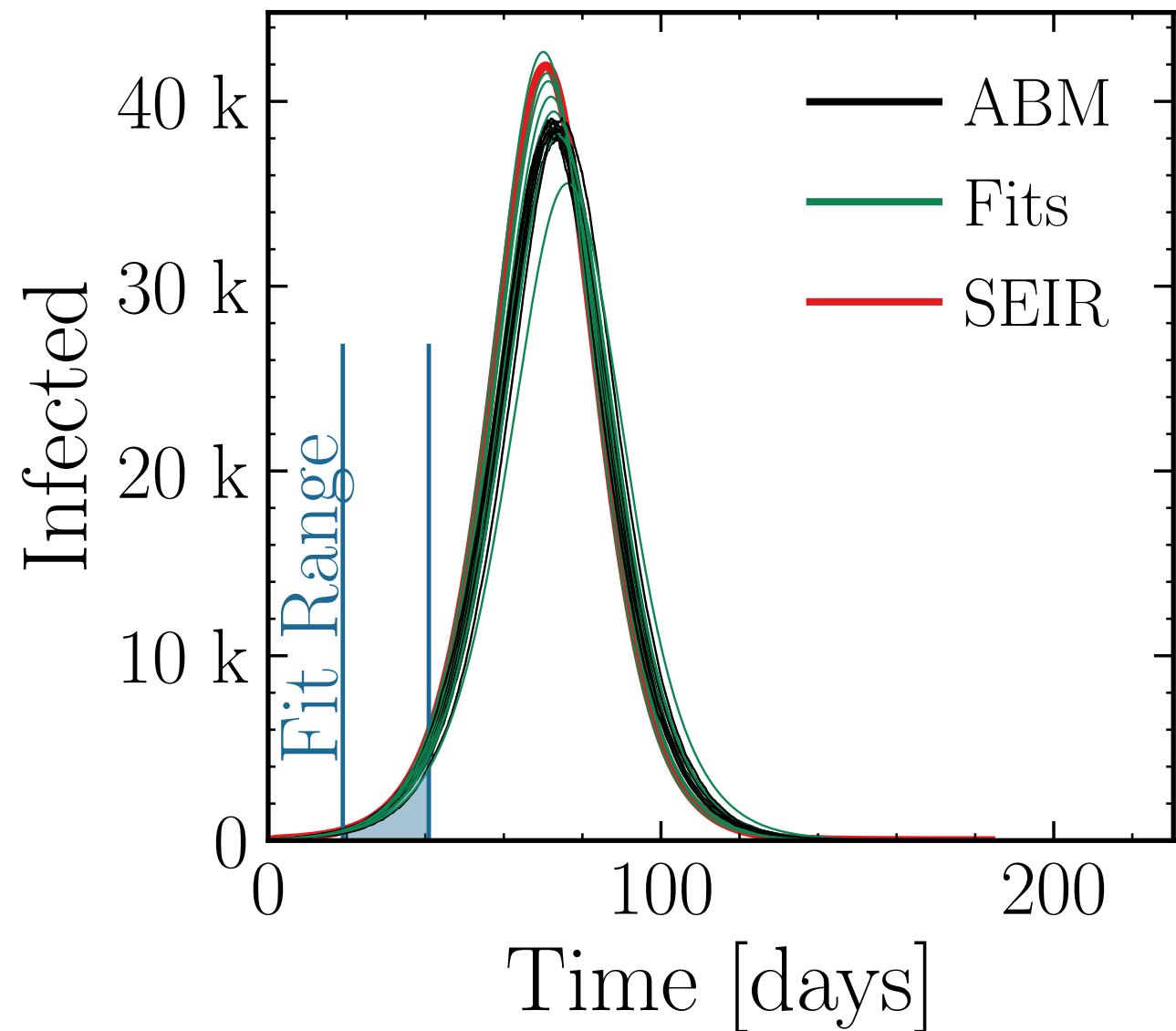
$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

$$I_{\text{max}}^{\text{fit}} = (39.4 \pm 1.6\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1.02 \pm 0.017 \quad v. = 1.0, \text{hash} = 9a476d0bfba\#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (364 \pm 0.6\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{fit}}} = 1.01 \pm 0.0062$$



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

$\lambda_E = 4.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{retries}}^{\text{connect}} = 0$

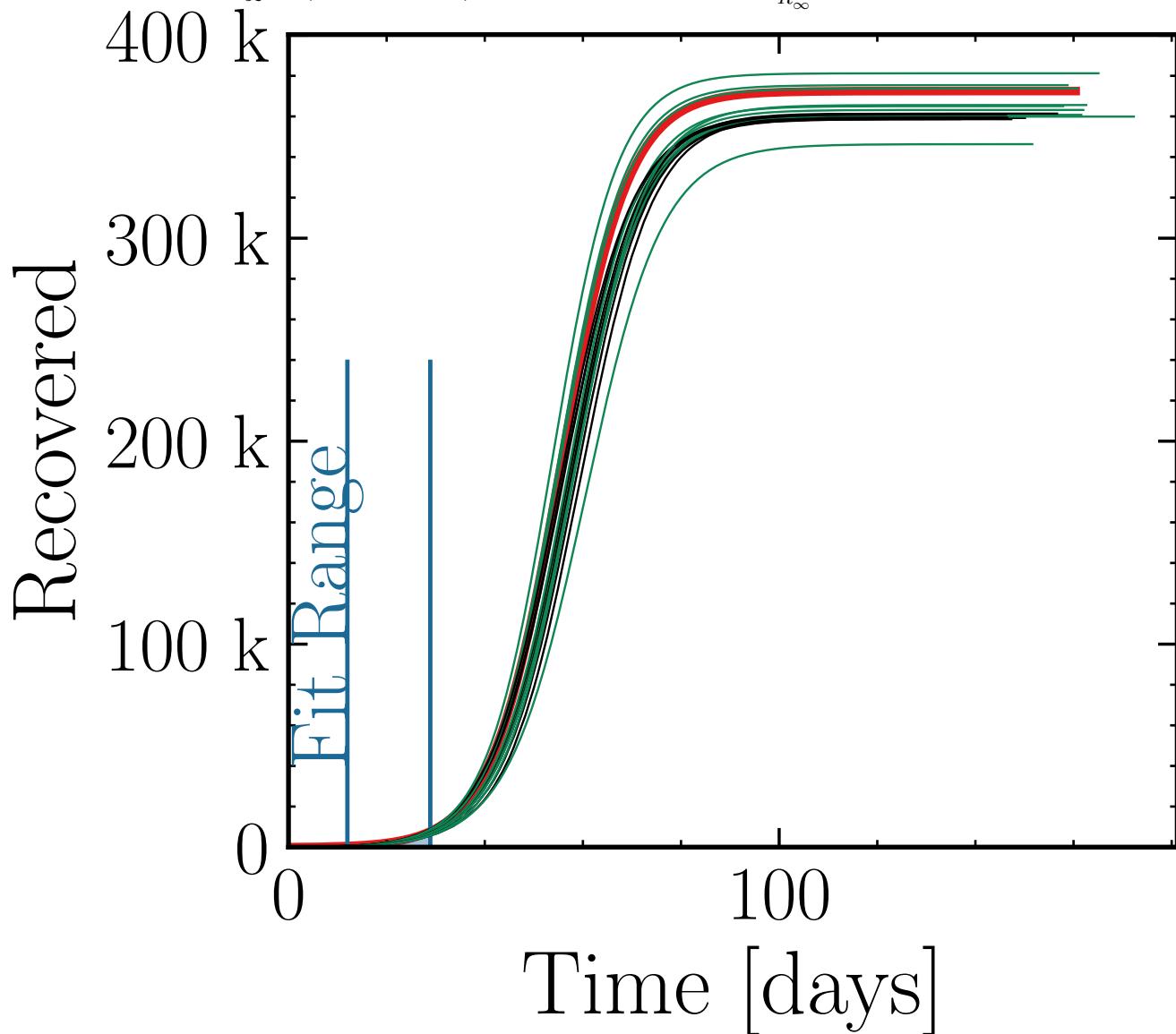
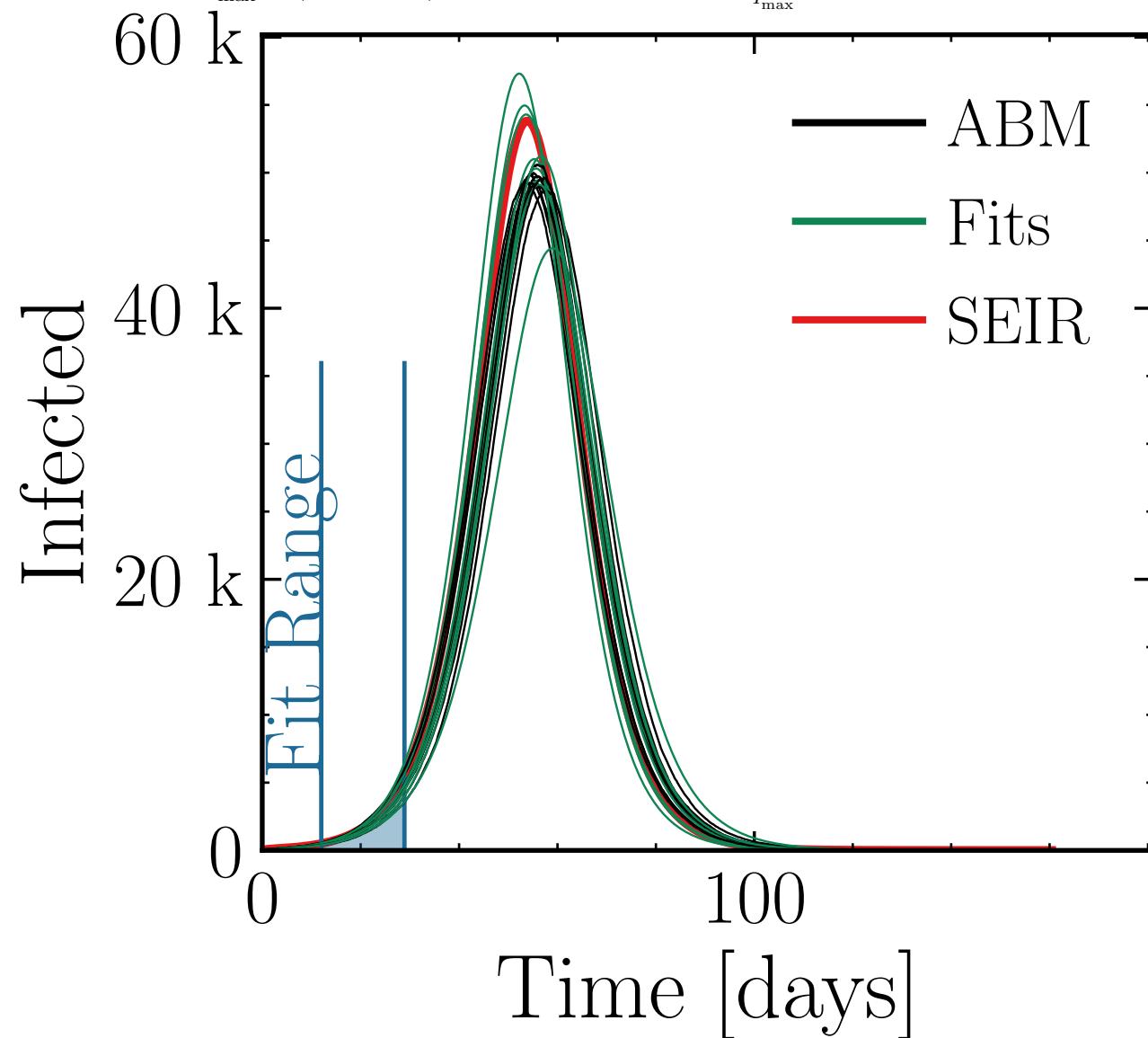
$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

$$I_{\text{max}}^{\text{fit}} = (51 \pm 2.1\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{ABM}}^{\text{max}}} = 1.03 \pm 0.022 \quad v. = 1.0, \text{ hash} = 435\text{ecfd282} \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (365 \pm 0.81\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{fit}}} = 1.015 \pm 0.0083$$



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

$\lambda_E = 1.0$, $\lambda_I = 0.5$, rand.inf. = True, $N_{\text{connect}}^{\text{connect}} = 0$

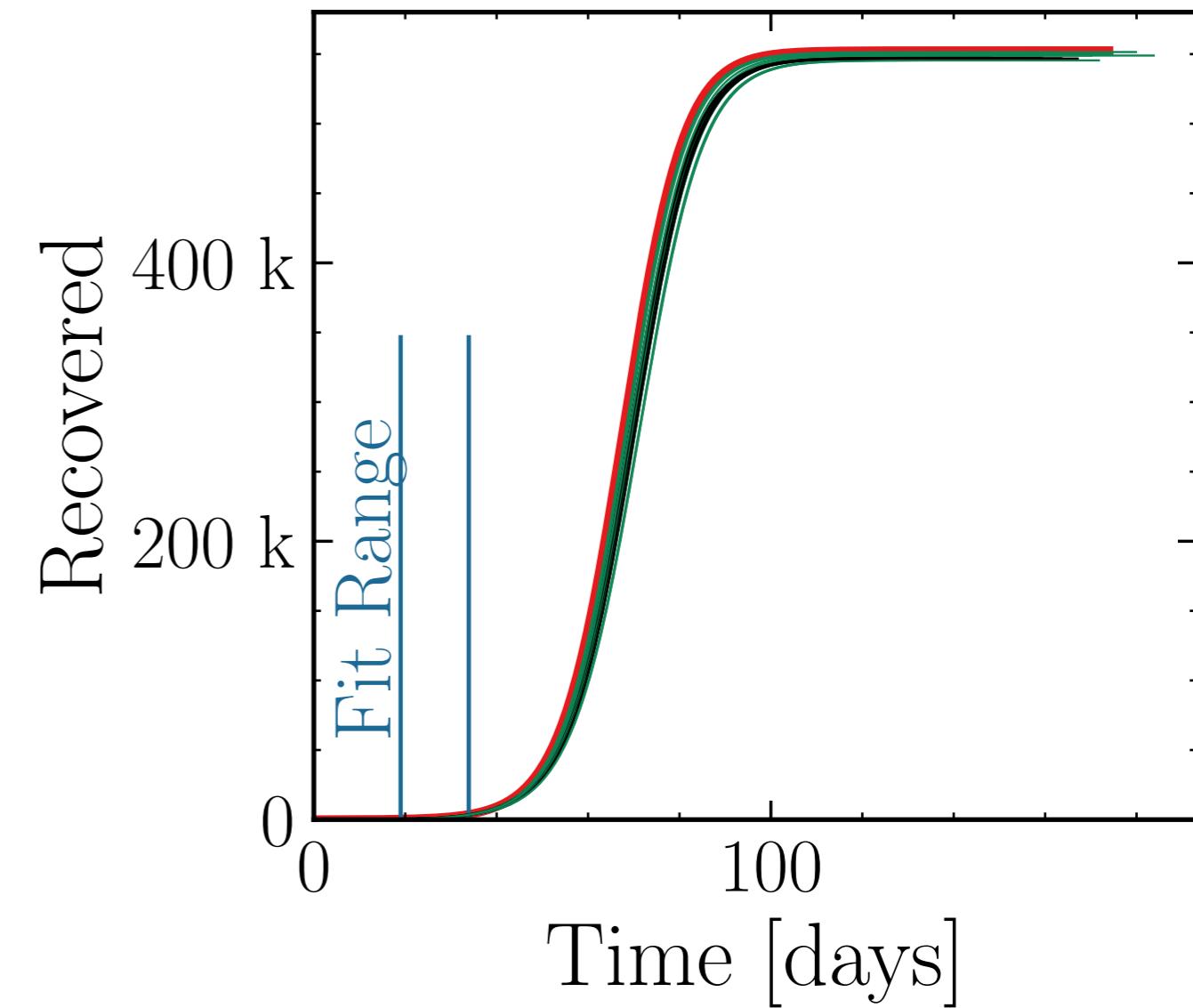
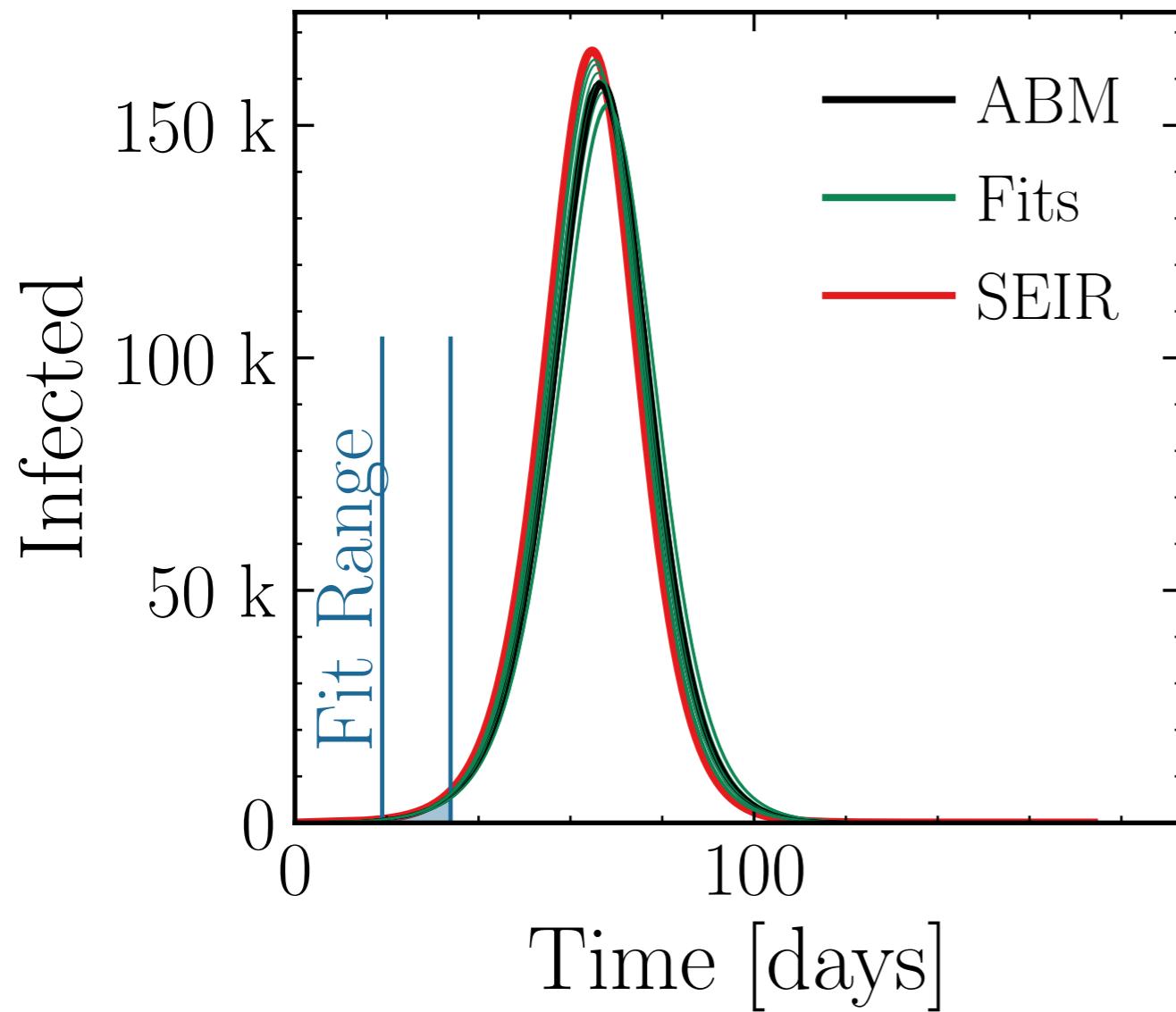
$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

$$I_{\text{max}}^{\text{fit}} = (159 \pm 0.68\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 0.998 \pm 0.007 \quad v. = 1.0, \text{ hash} = 2df5596ef6, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (548.3 \pm 0.12\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{fit}}} = 1.002 \pm 0.0012$$



$N_{\text{tot}} = 100K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, 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_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β scaling} = 10.0, event_{weekendmultiplier} = 1.0

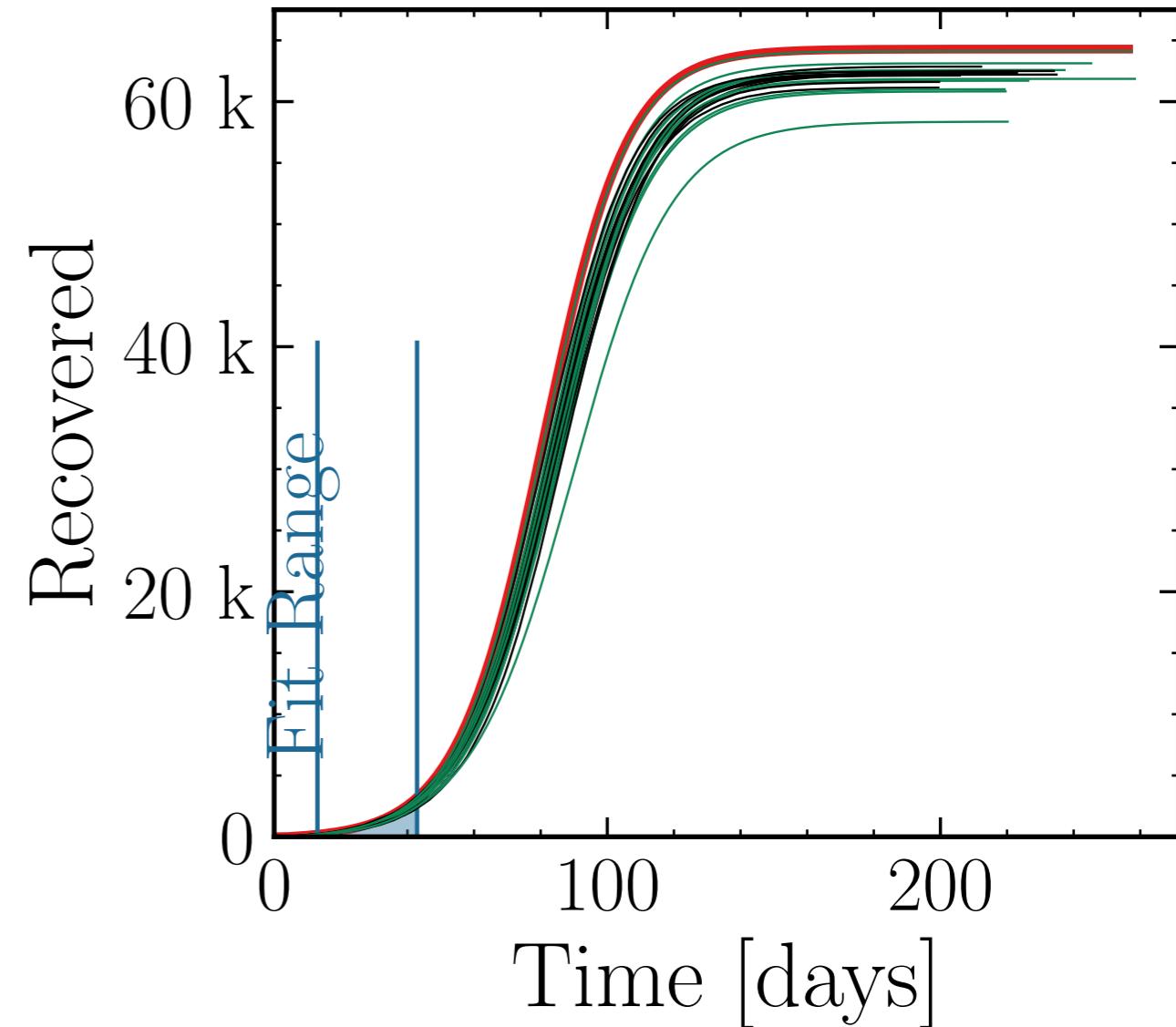
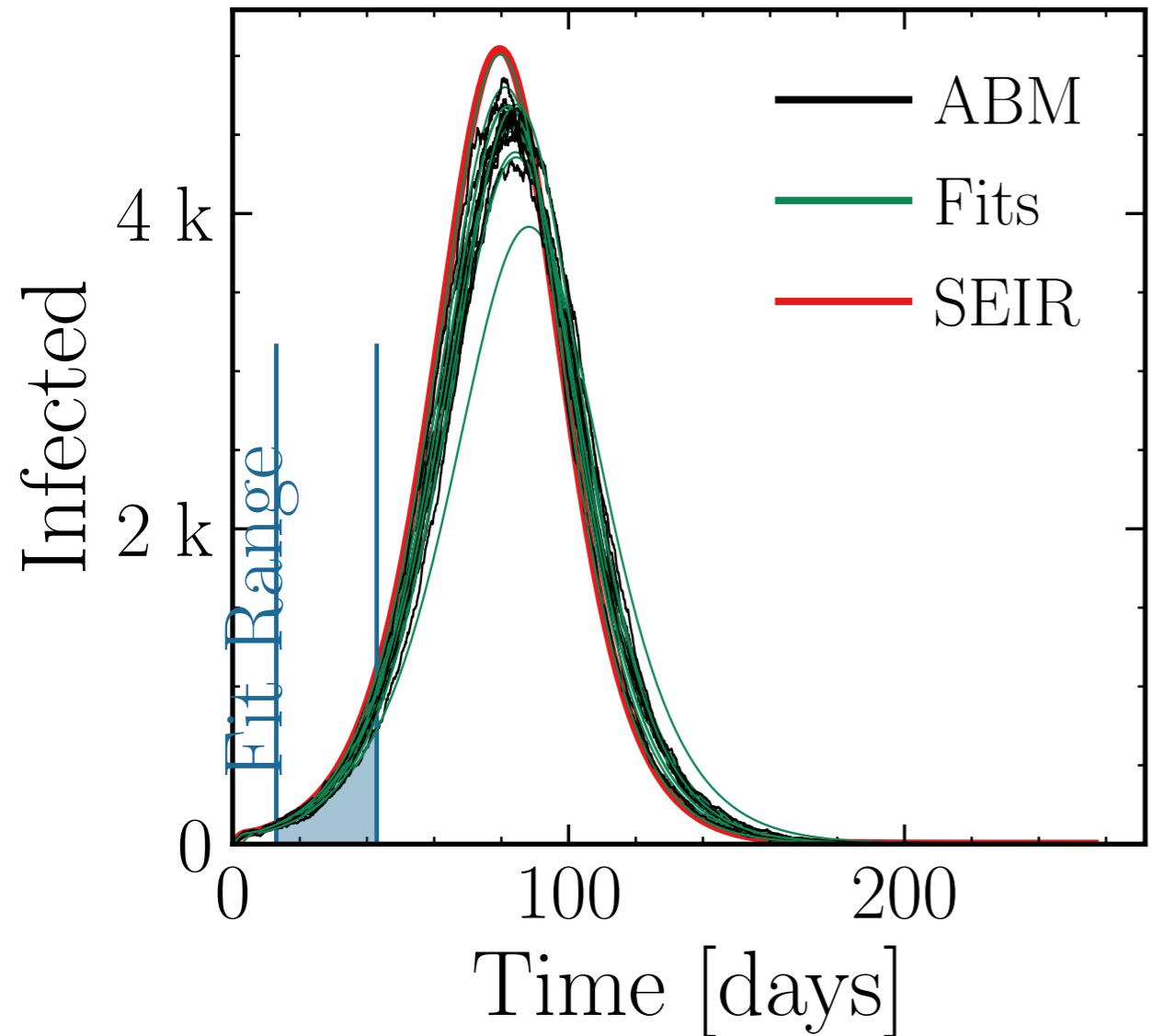
$$I_{\text{max}}^{\text{fit}} = (4.56 \pm 2.0\%) \cdot 10^3$$

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

$$\text{v.} = 1.0, \text{hash} = 177\text{ebaaedd}, \#10$$

$$R_{\infty}^{\text{fit}} = (61.9 \pm 0.77\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 0.995 \pm 0.007$$



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

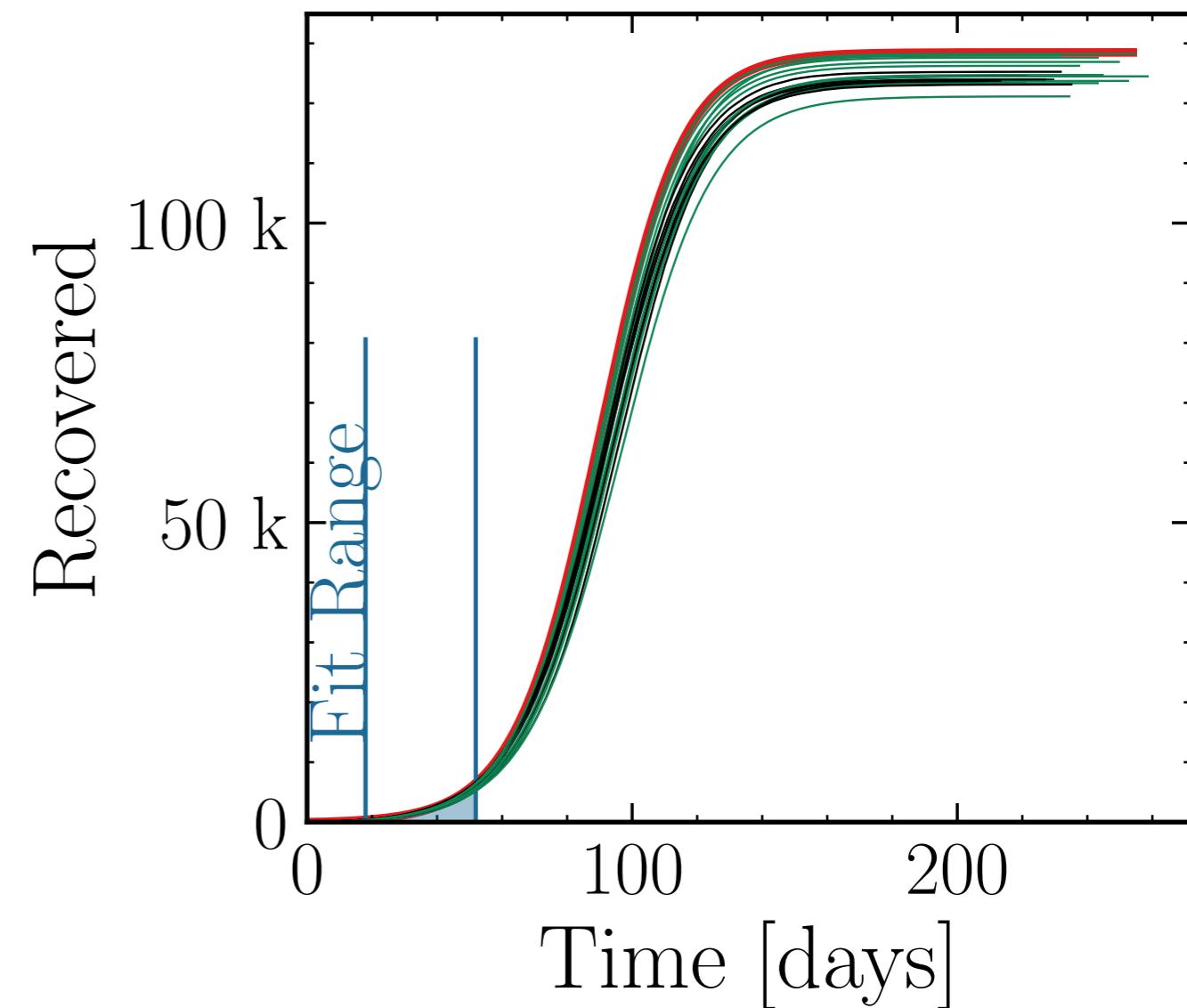
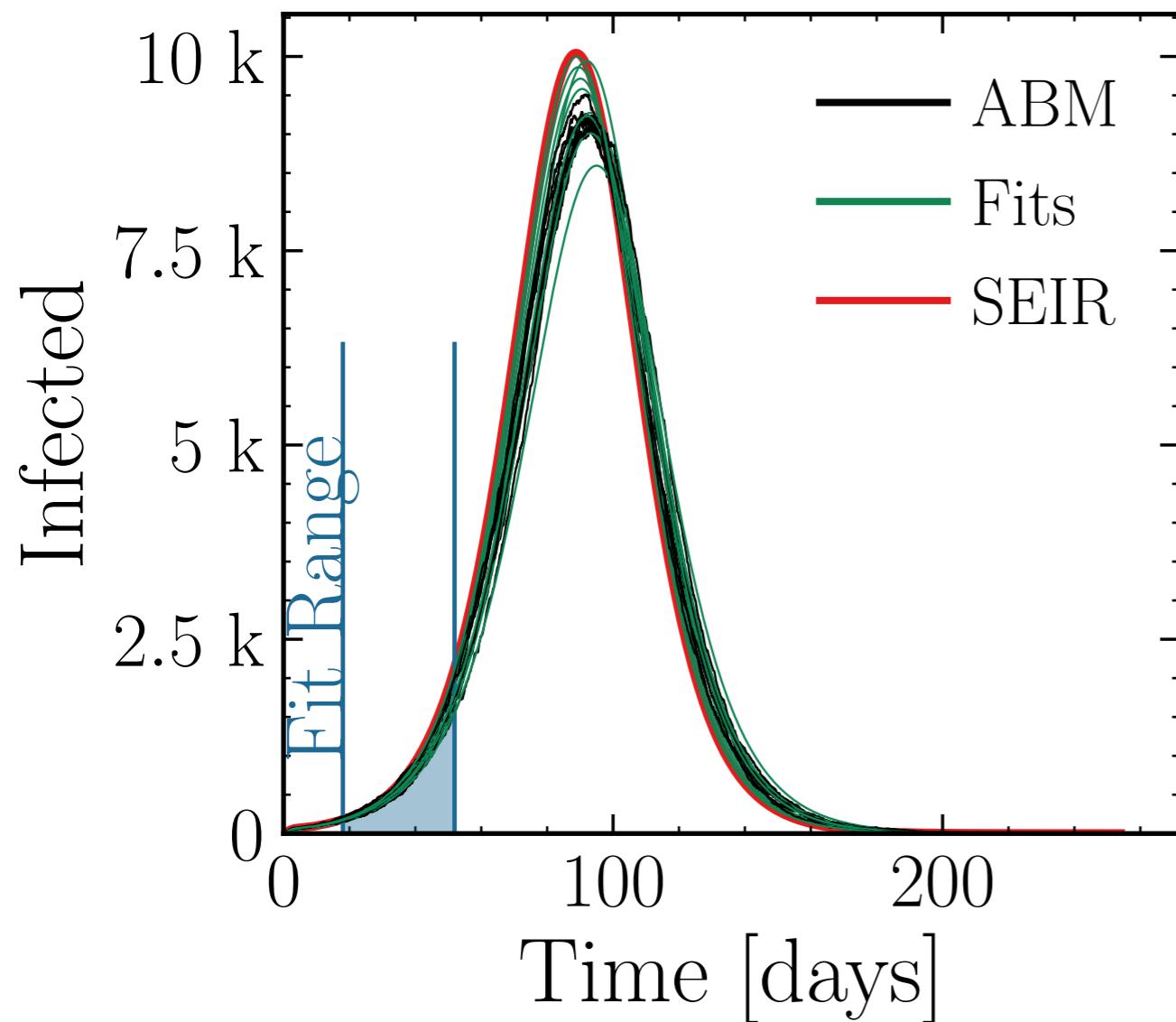
$\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β} _{scaling} = 10.0, event_{weekend_{multiplier}} = 1.0

$I_{\text{max}}^{\text{fit}} = (9.4 \pm 1.5\%) \cdot 10^3$

$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{ABM}}^{\text{max}}} = 1.02 \pm 0.014$ v. = 1.0, hash = 273707e189, #10

$R_{\infty}^{\text{fit}} = (125.5 \pm 0.57\%) \cdot 10^3$ $\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.012 \pm 0.0052$



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

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

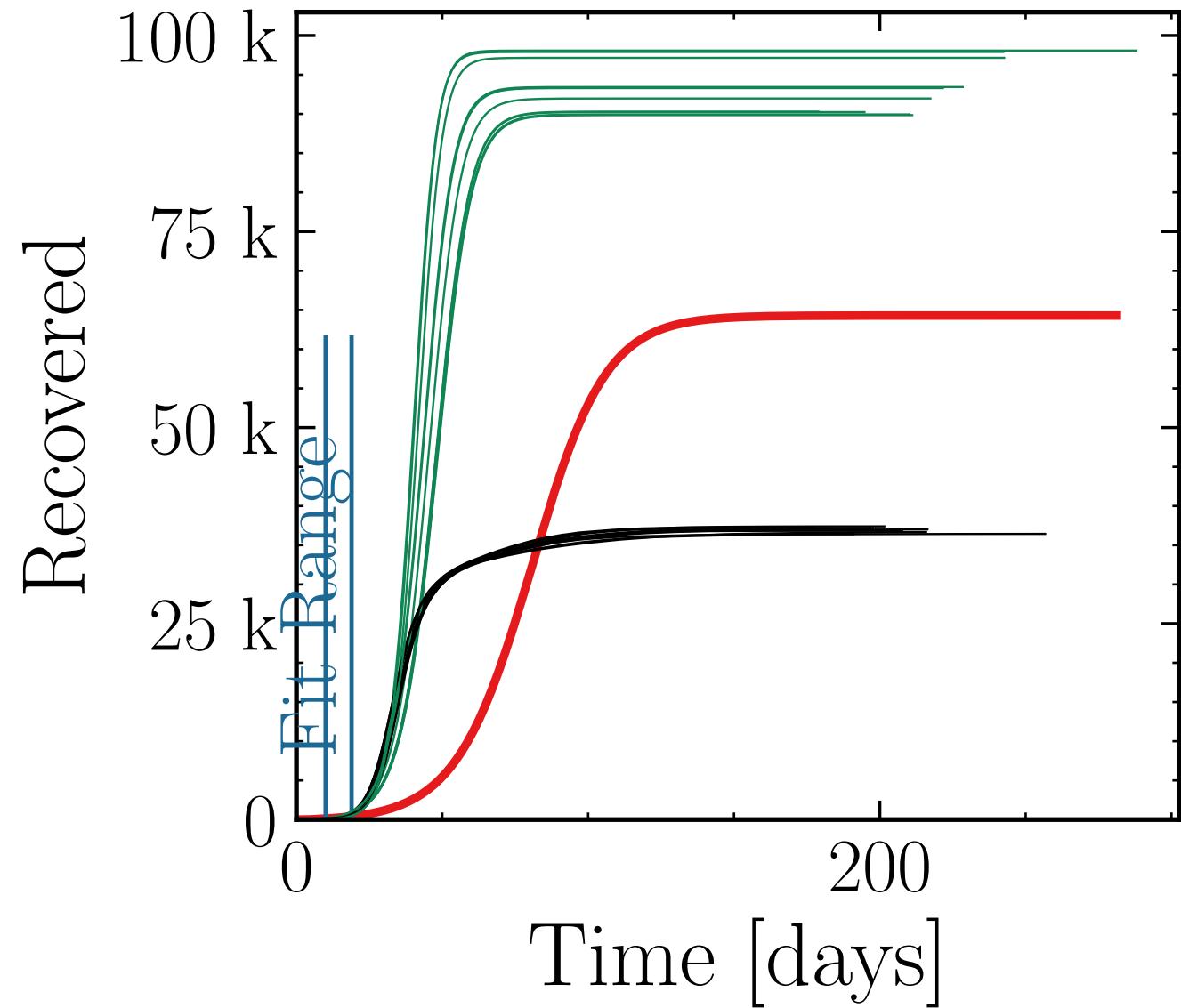
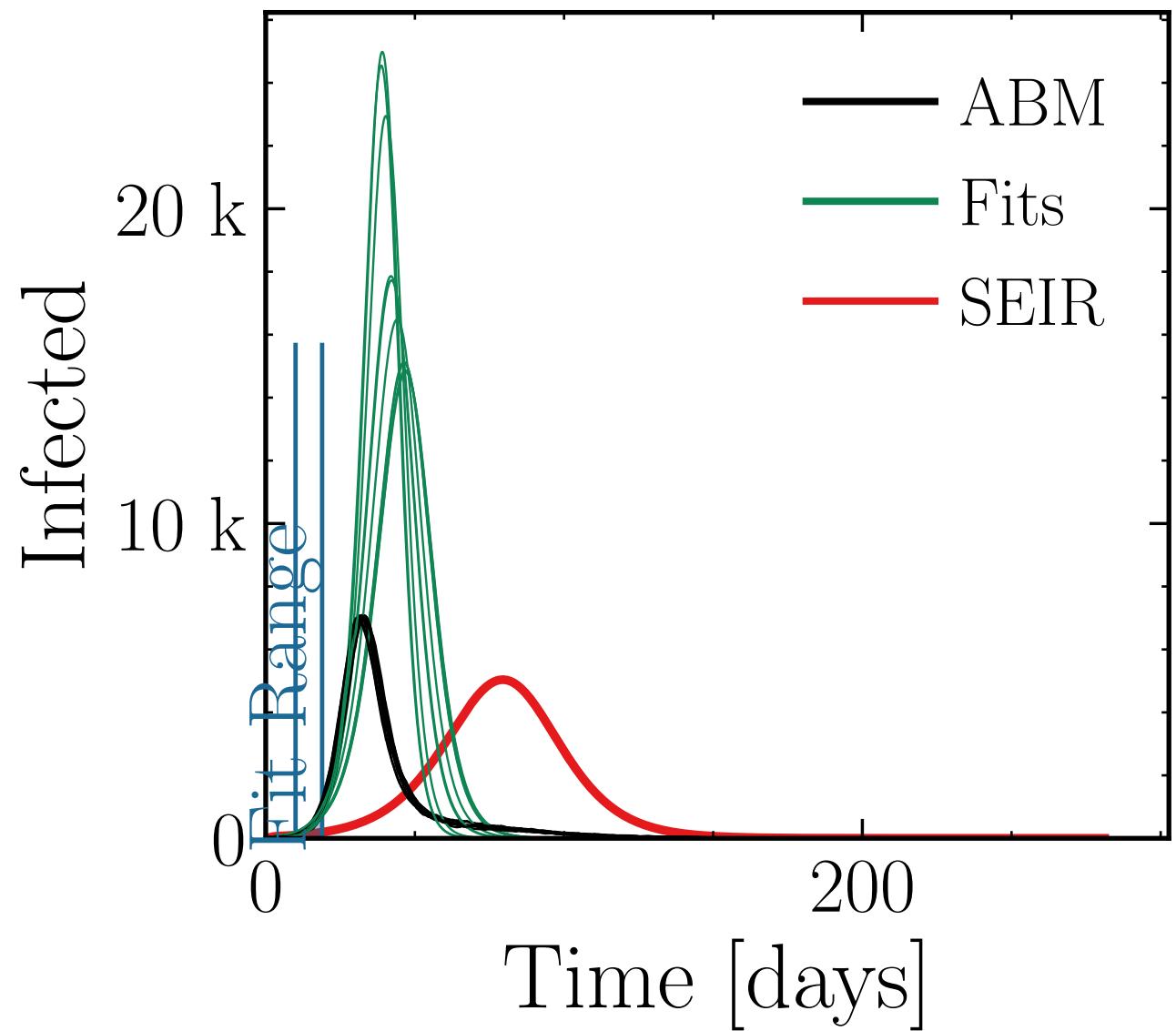
$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

$$I_{\text{max}}^{\text{fit}} = (18 \pm 6.7\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 2.6 \pm 0.18$$

$$\text{v.} = 1.0, \text{hash} = 8740f75508_{\text{R}_{\infty}^{\text{fit}}} \#10 \quad (93 \pm 1.1\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{fit}}} = 2.52 \pm 0.031$$



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

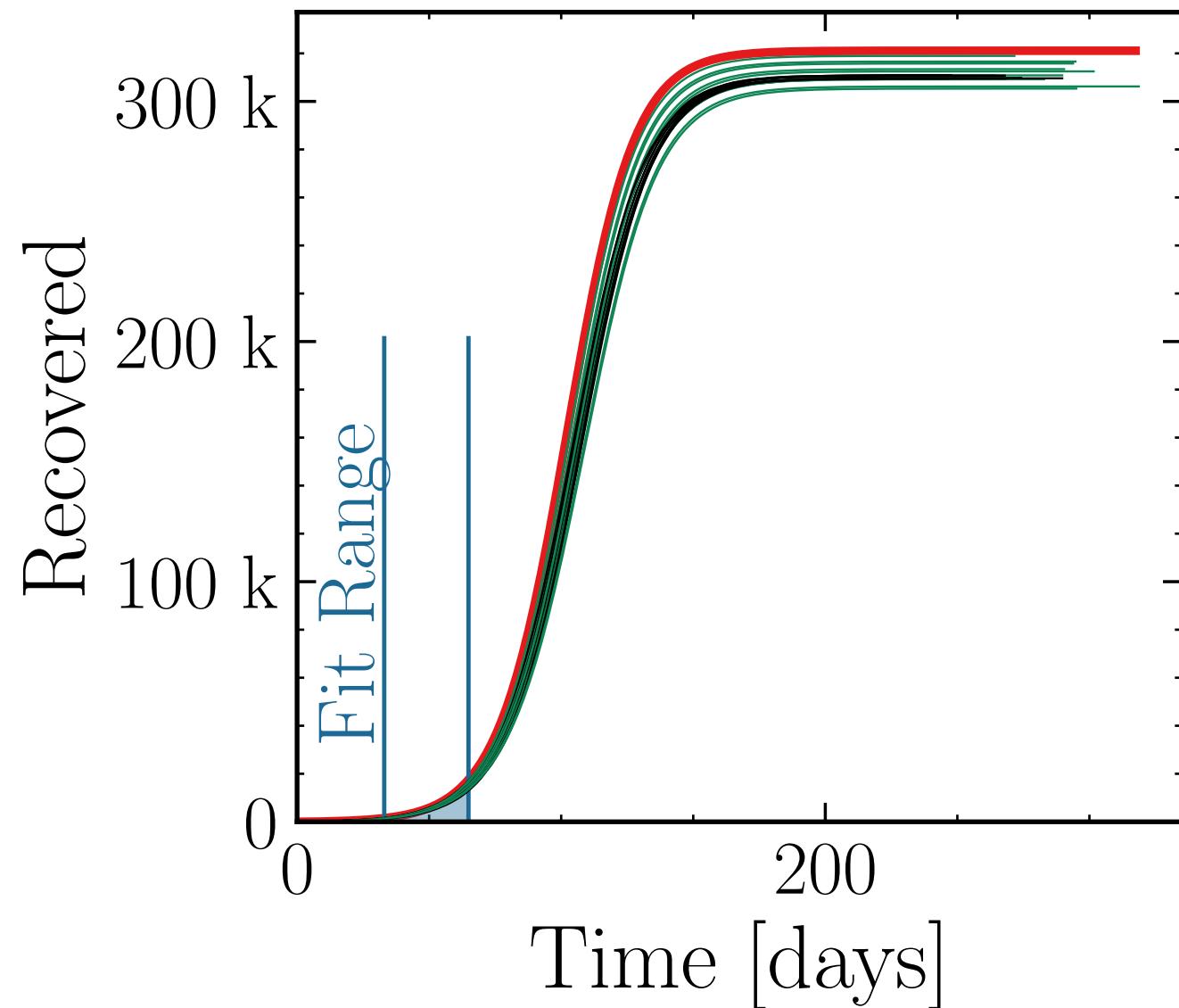
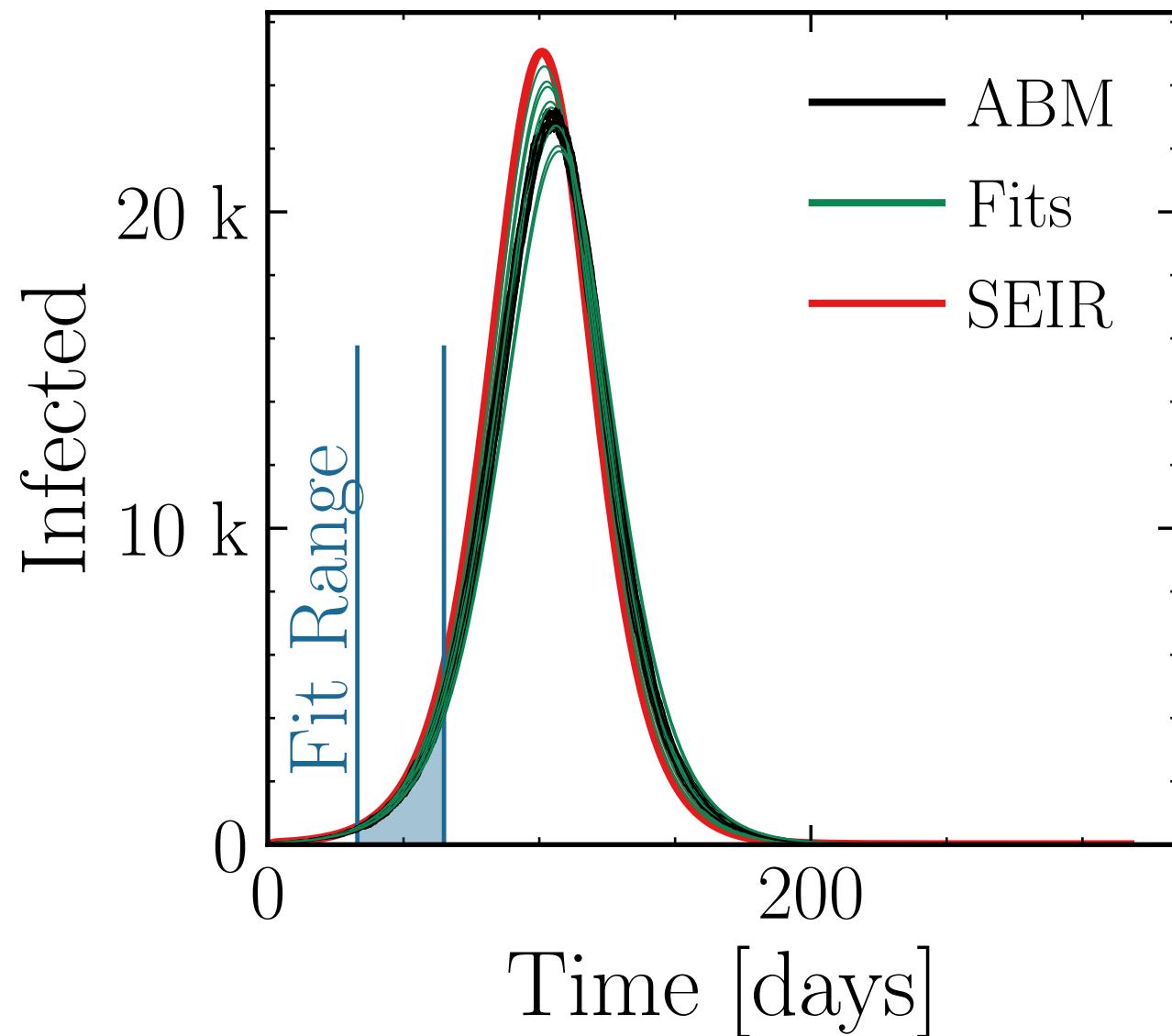
$\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

$I_{\text{max}}^{\text{fit}} = (23.2 \pm 1.1\%) \cdot 10^3$

$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{ABM}}^{\text{max}}} = 1.01 \pm 0.012$ v. = 1.0, hash = d2a3490b18, #10 $R_{\infty}^{\text{fit}} = (312 \pm 0.43\%) \cdot 10^3$

$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.006 \pm 0.0042$



$N_{\text{tot}} = 200K$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, 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_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

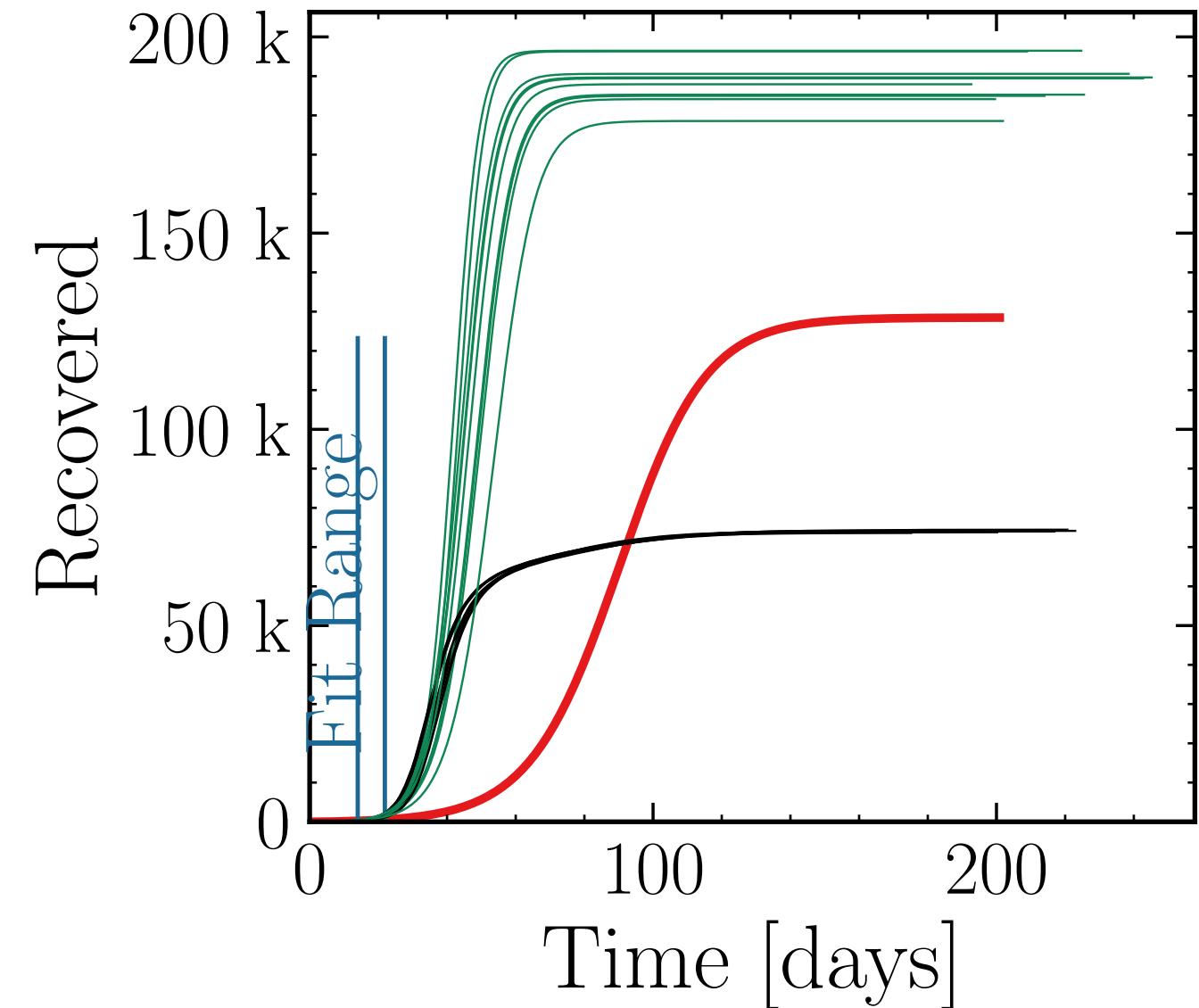
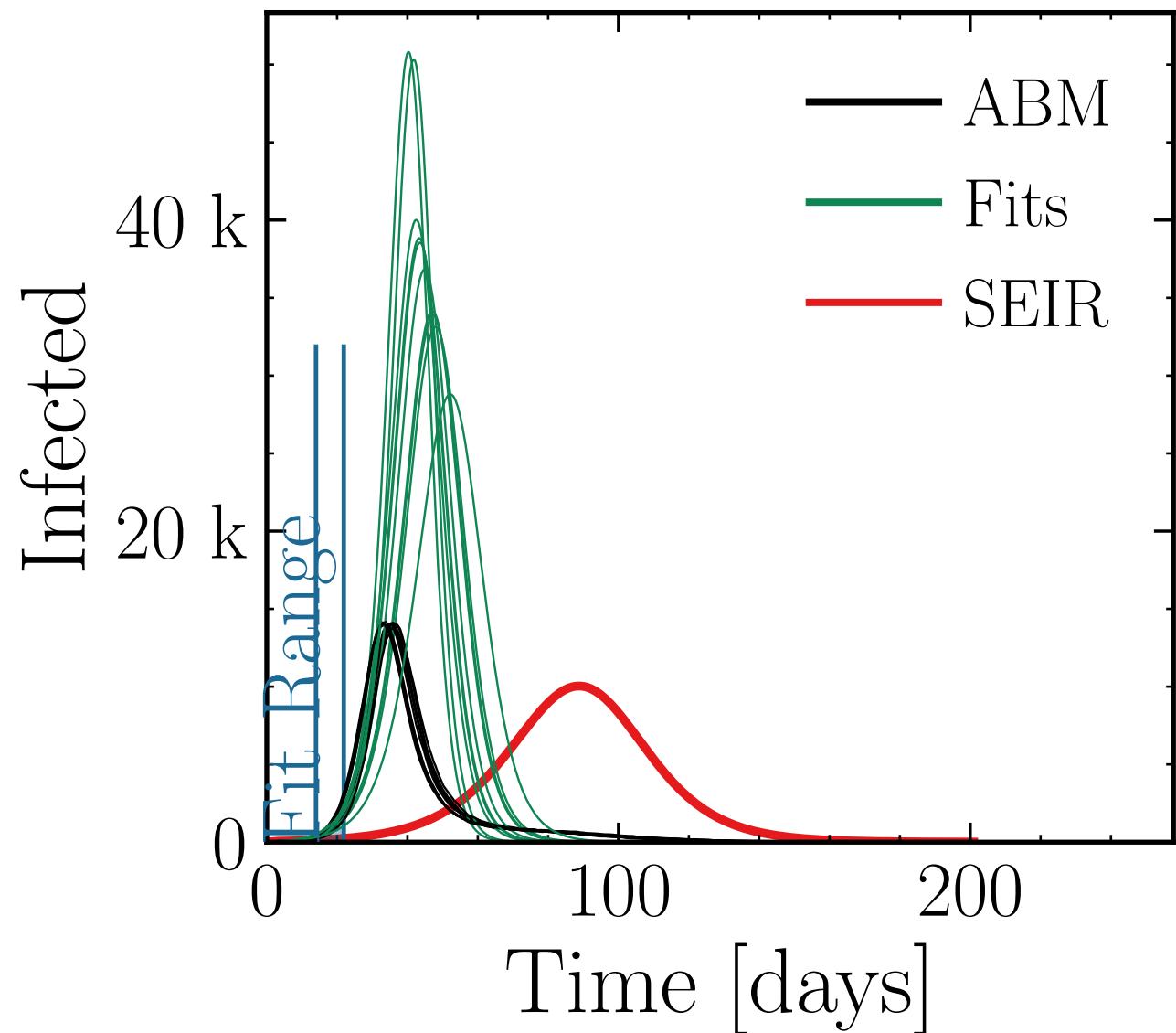
$$I_{\text{max}}^{\text{fit}} = (39 \pm 5.6\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 2.7 \pm 0.15$$

$$\text{v.} = 1.0, \text{hash} = 9a55b472ef, \#10$$

$$R_{\infty}^{\text{fit}, \#10} = (188 \pm 0.88\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{fit}, \#10}} = 2.54 \pm 0.022$$



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

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

$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

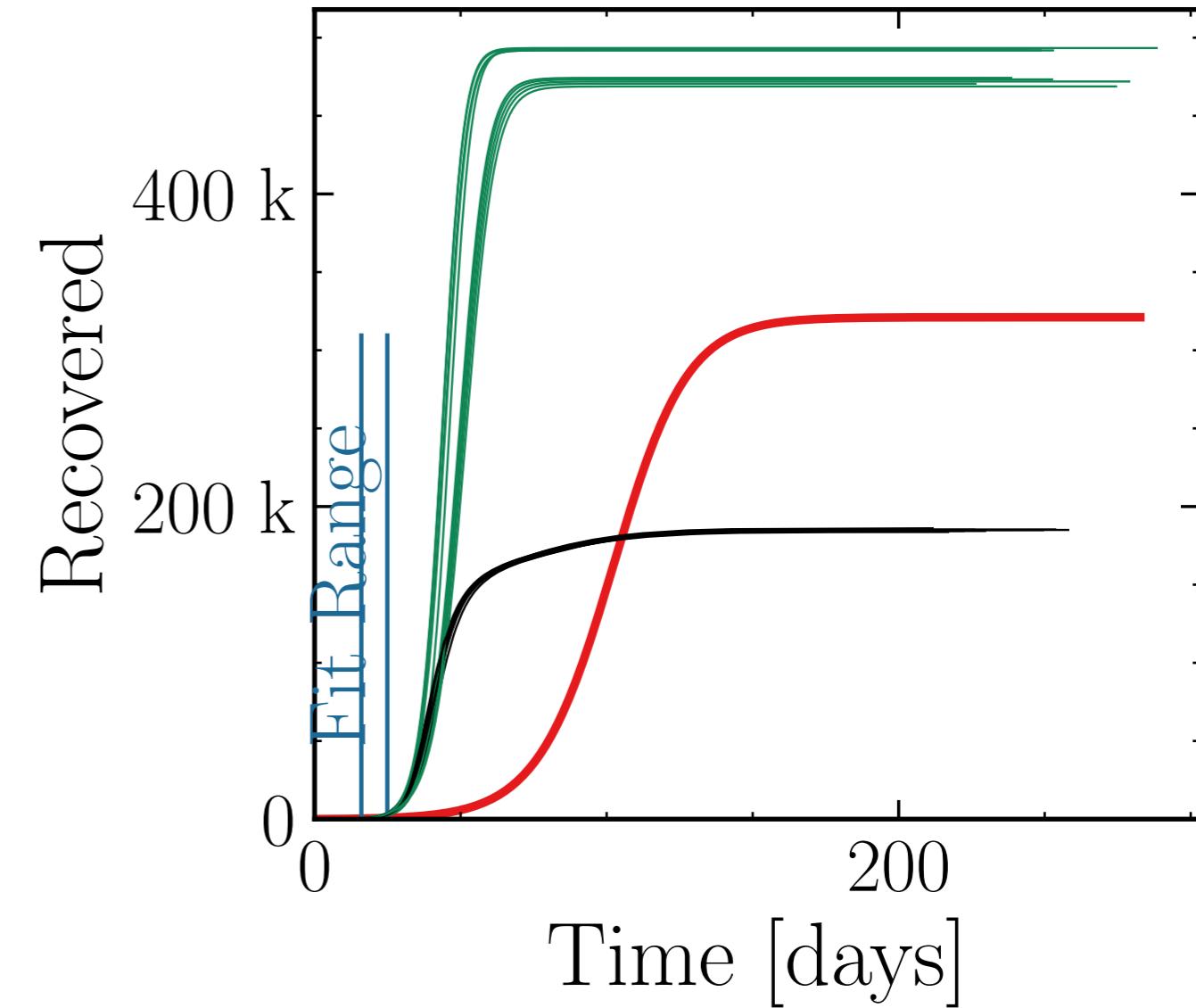
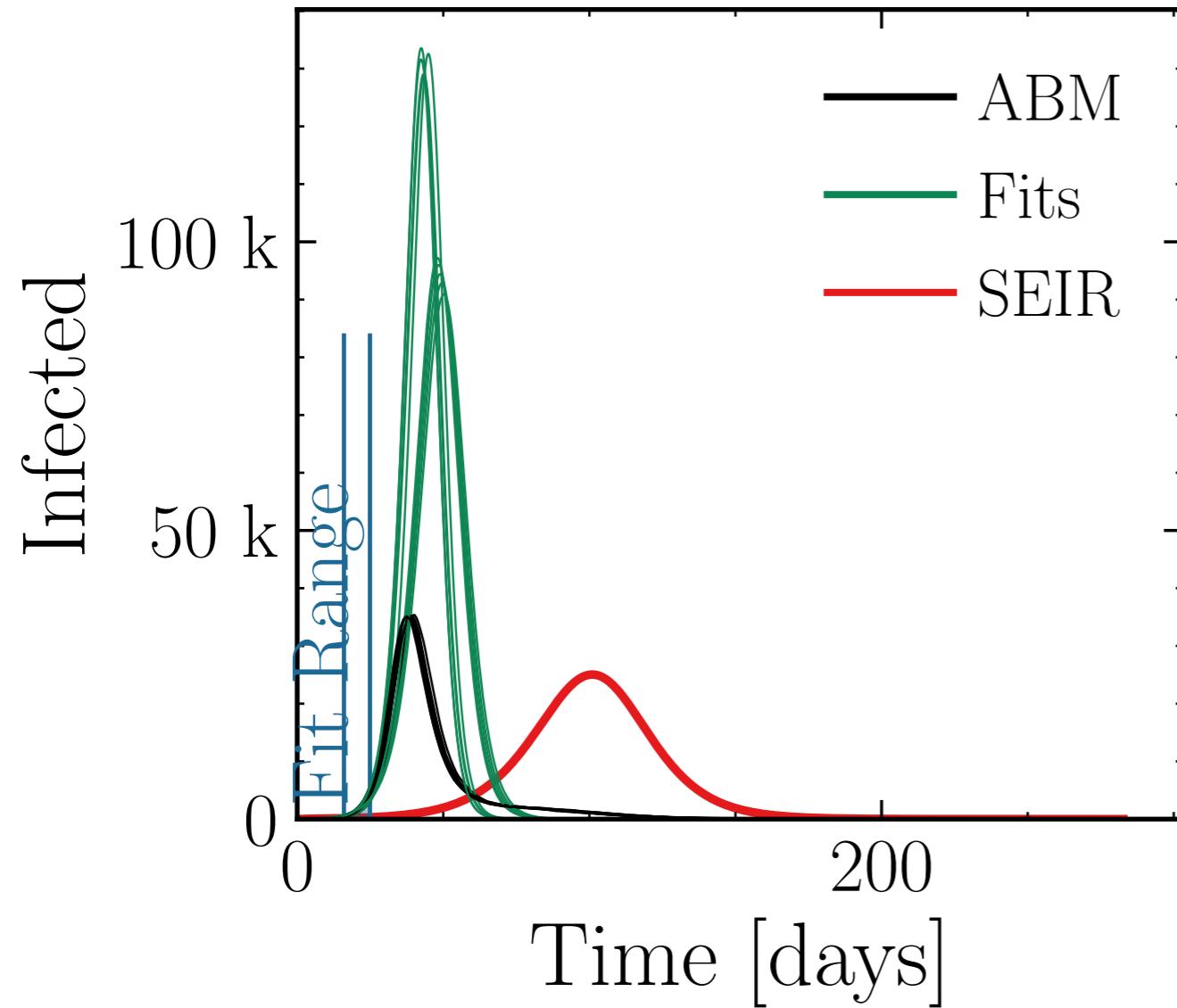
$$I_{\text{max}}^{\text{fit}} = (113 \pm 5.2\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 3.2 \pm 0.17$$

$$\text{v.} = 1.0, \text{hash} = 4575b9777a, \#10$$

$$R_{\infty}^{\text{fit}} = (482 \pm 0.69\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 2.61 \pm 0.018$$



$N_{\text{tot}} = 5.8M$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, 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_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

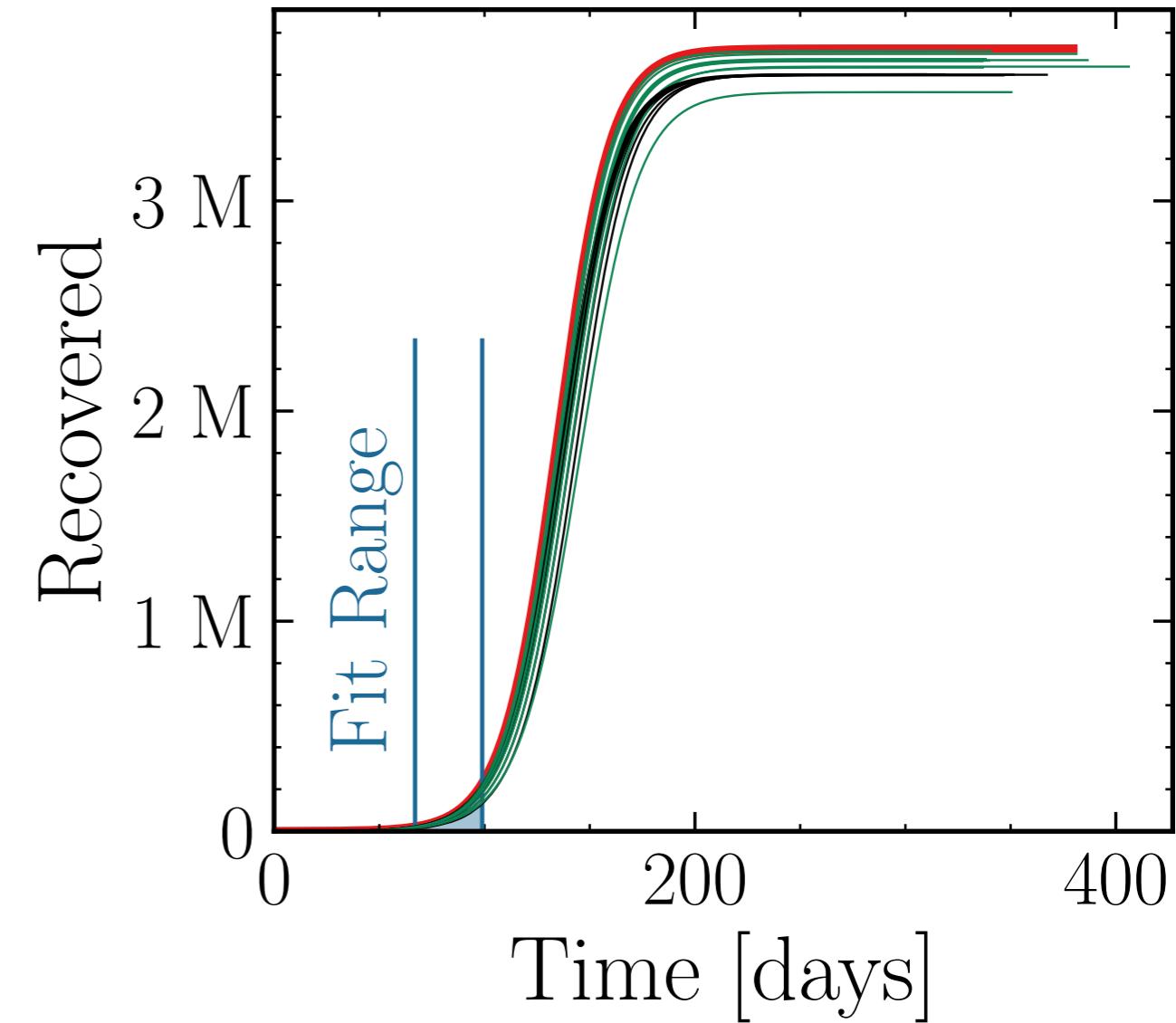
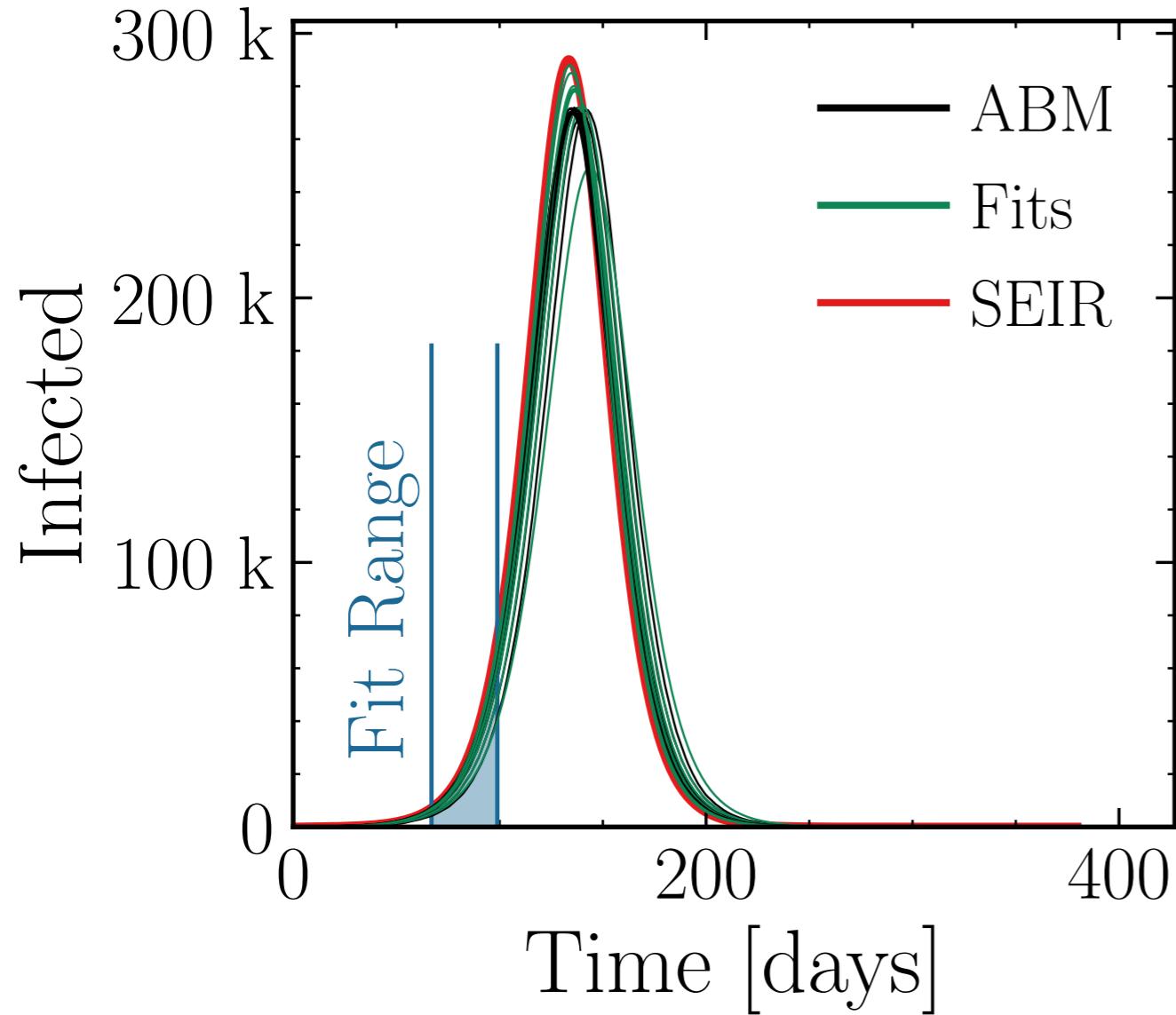
$$I_{\text{max}}^{\text{fit}} = (277 \pm 1.2\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1.02 \pm 0.012$$

$$\text{v.} = 1.0, \text{hash} = \text{fc4c076dd1}, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (3.66 \pm 0.47\%) \cdot 10^6$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{fit}}} = 1.016 \pm 0.0048$$



$N_{\text{tot}} = 5.8M$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, 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_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β scaling} = 10.0, event_{weekendmultiplier} = 1.0

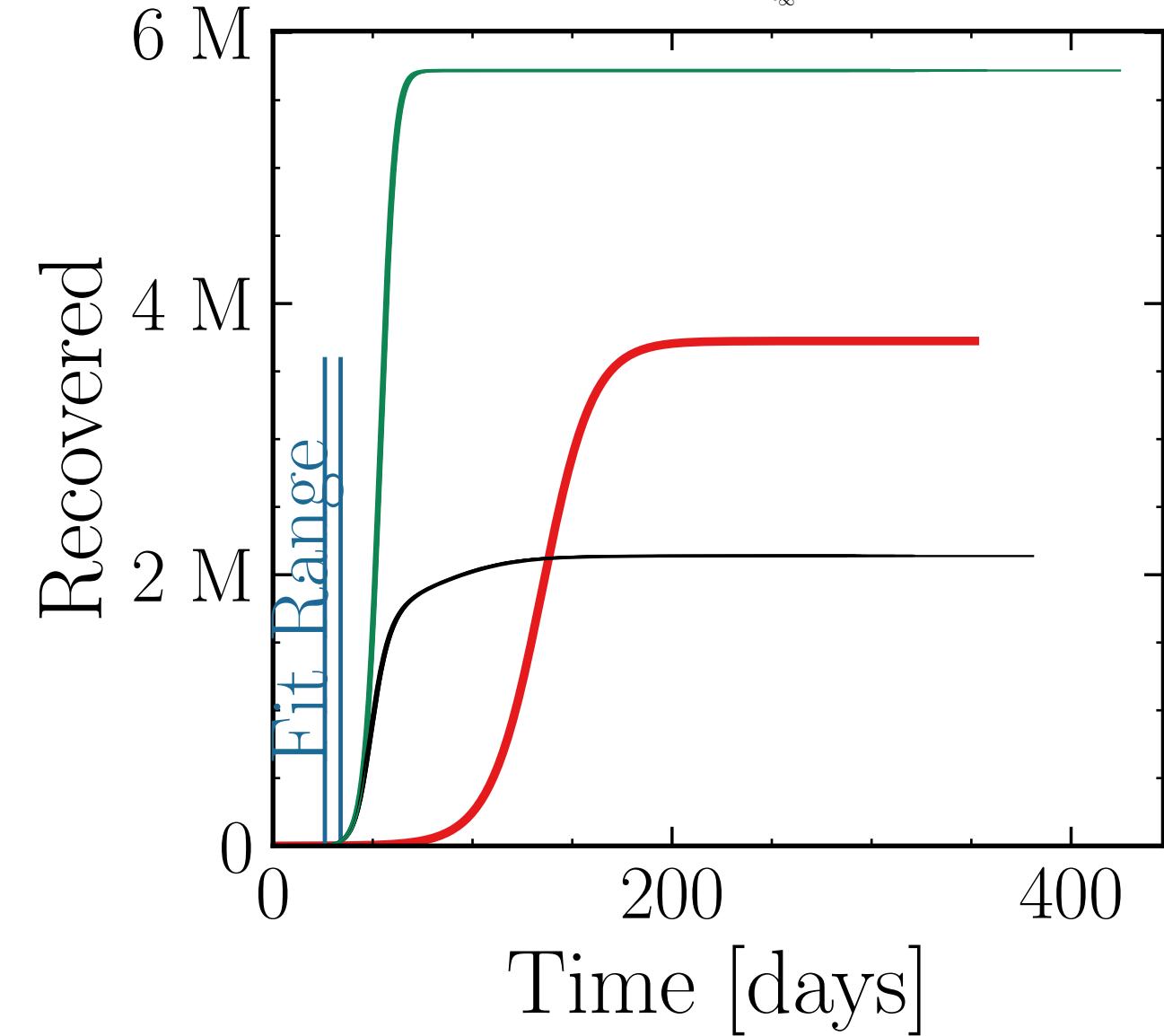
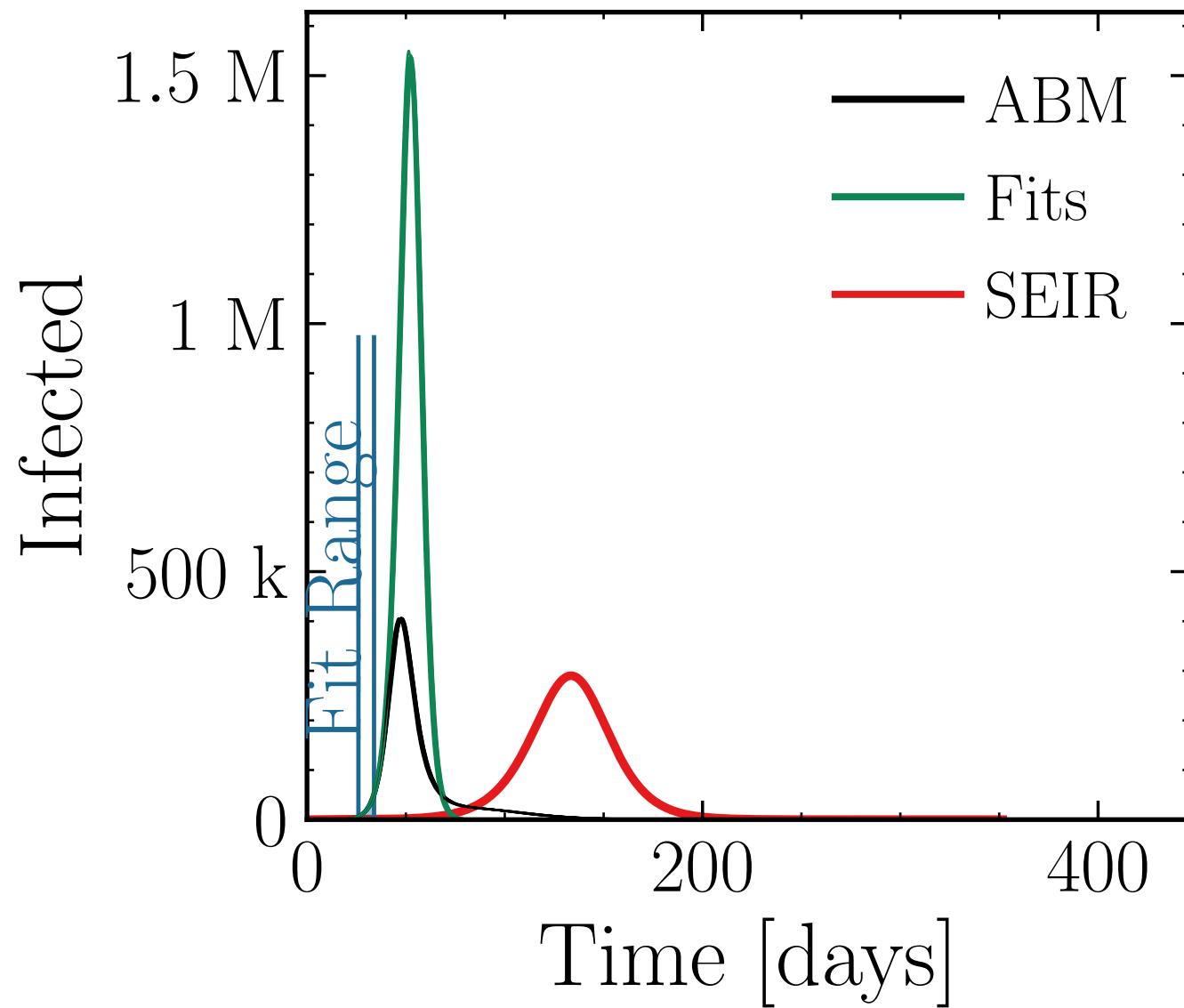
$$I_{\text{max}}^{\text{fit}} = (1.536 \pm 0.16\%) \cdot 10^6$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{ABM}}^{\text{fit}}} = 3.783 \pm 0.0065$$

$$v. = 1.0, \text{hash} = 1e4f2b2121, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (5.7187 \pm 0.016\%) \cdot 10^6$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{fit}}} = 2.6726 \pm 0.00073$$



$N_{\text{tot}} = 1M$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, 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_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

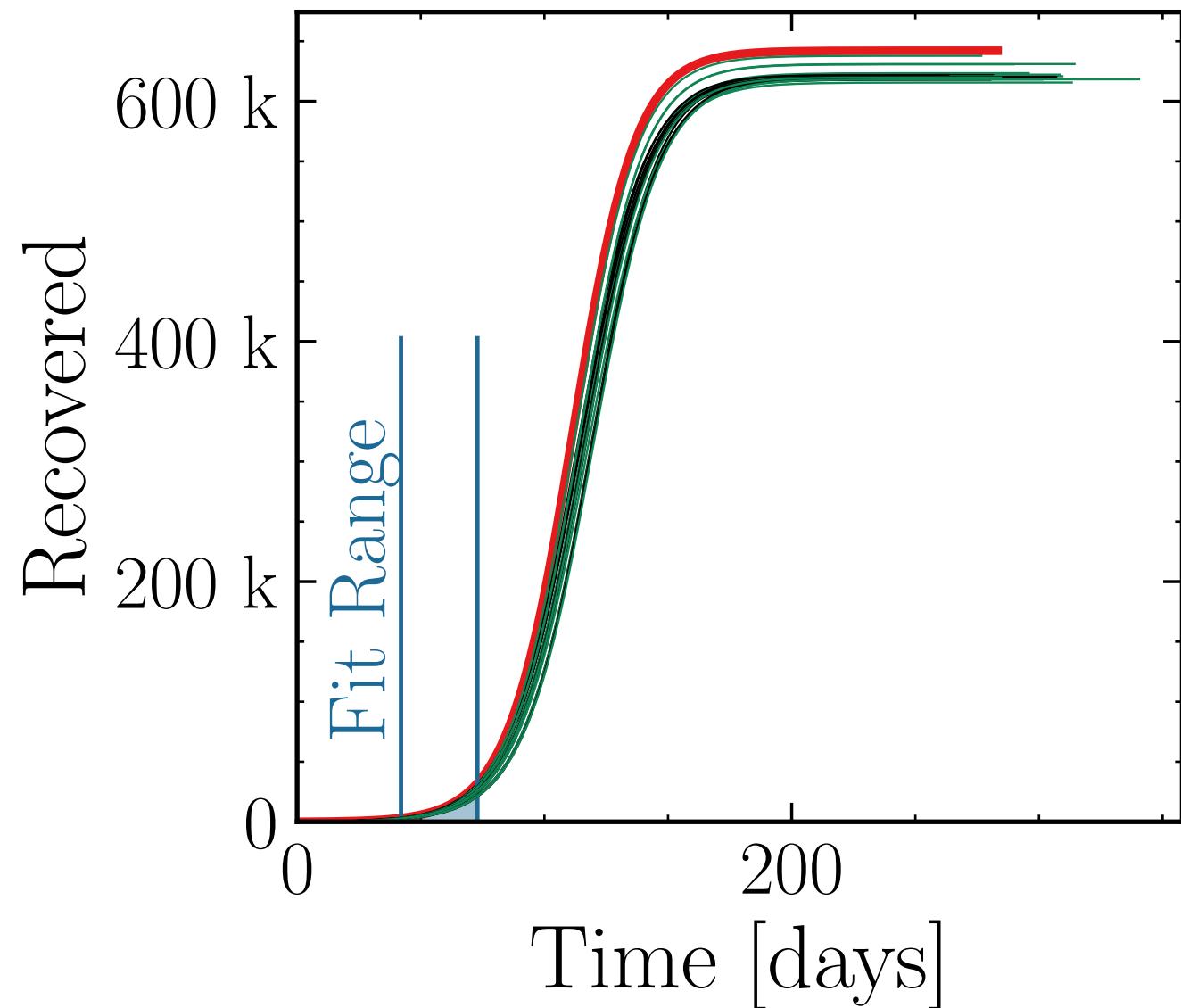
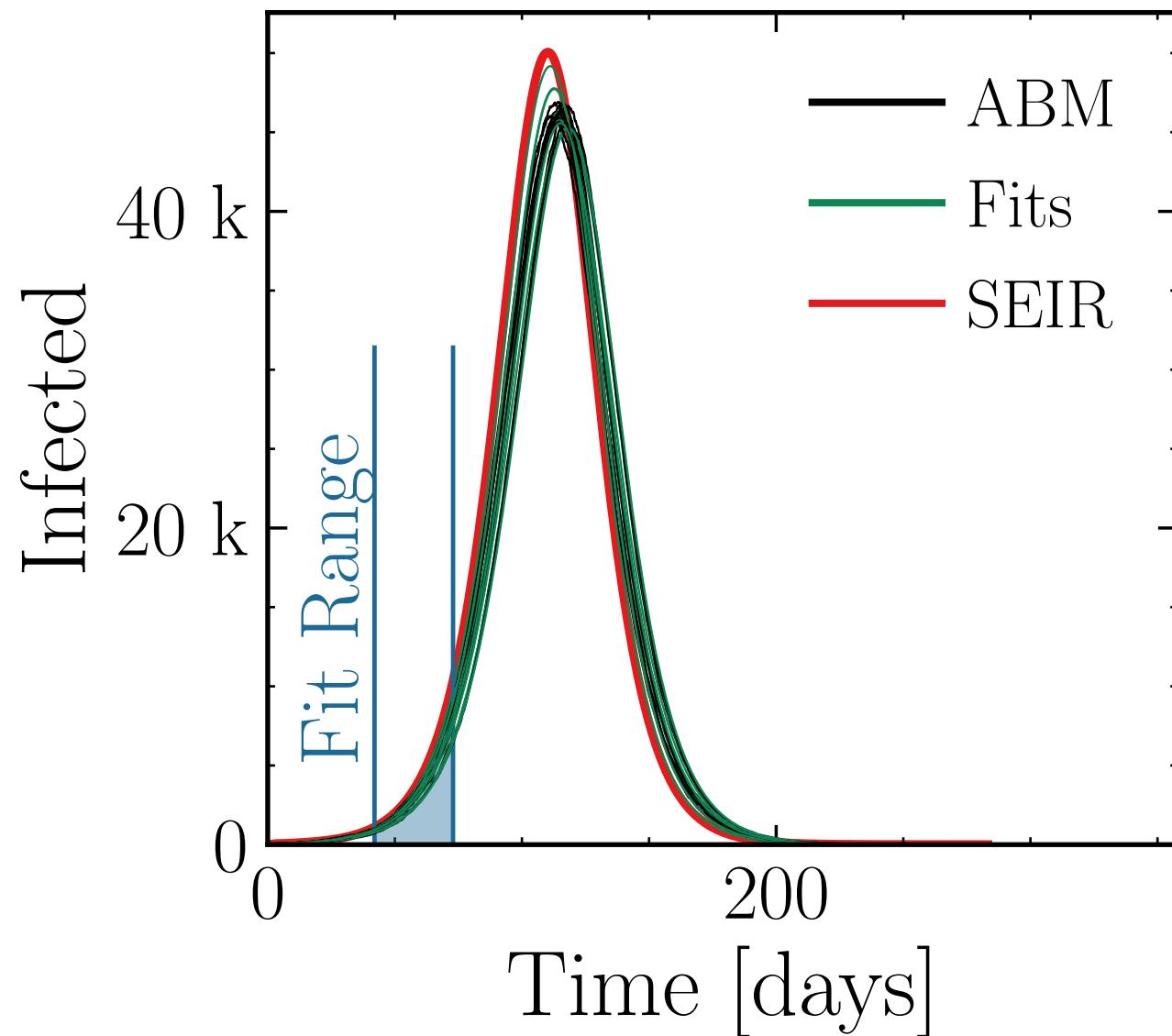
$I_{\text{max}}^{\text{fit}} = (46.4 \pm 0.92\%) \cdot 10^3$

$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1 \pm 0.010$

v. = 1.0, hash = 5c4a2a8ab9, #10

$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (624 \pm 0.34\%) \cdot 10^3$

$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{fit}}} = 1.005 \pm 0.0037$



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

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

$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

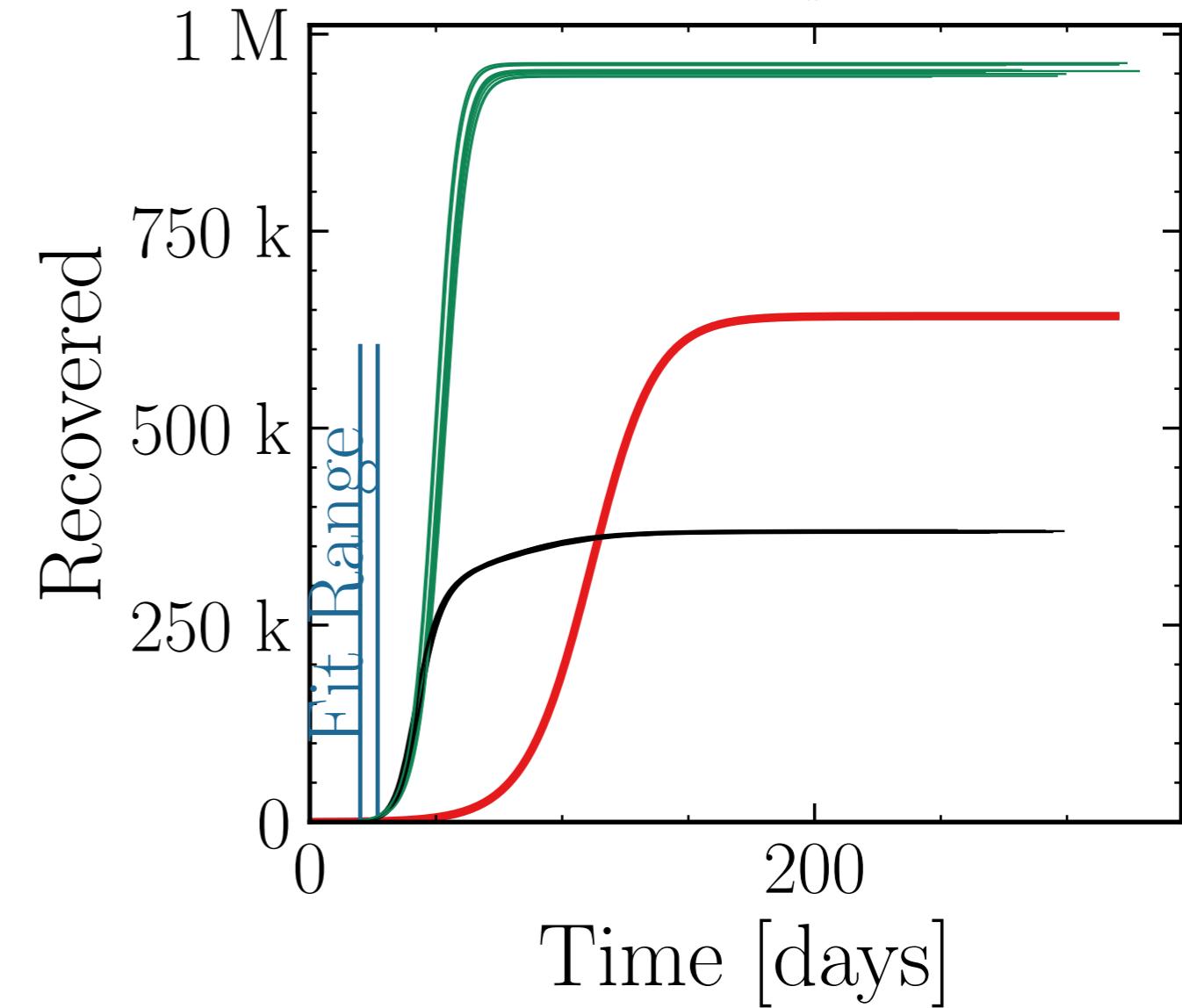
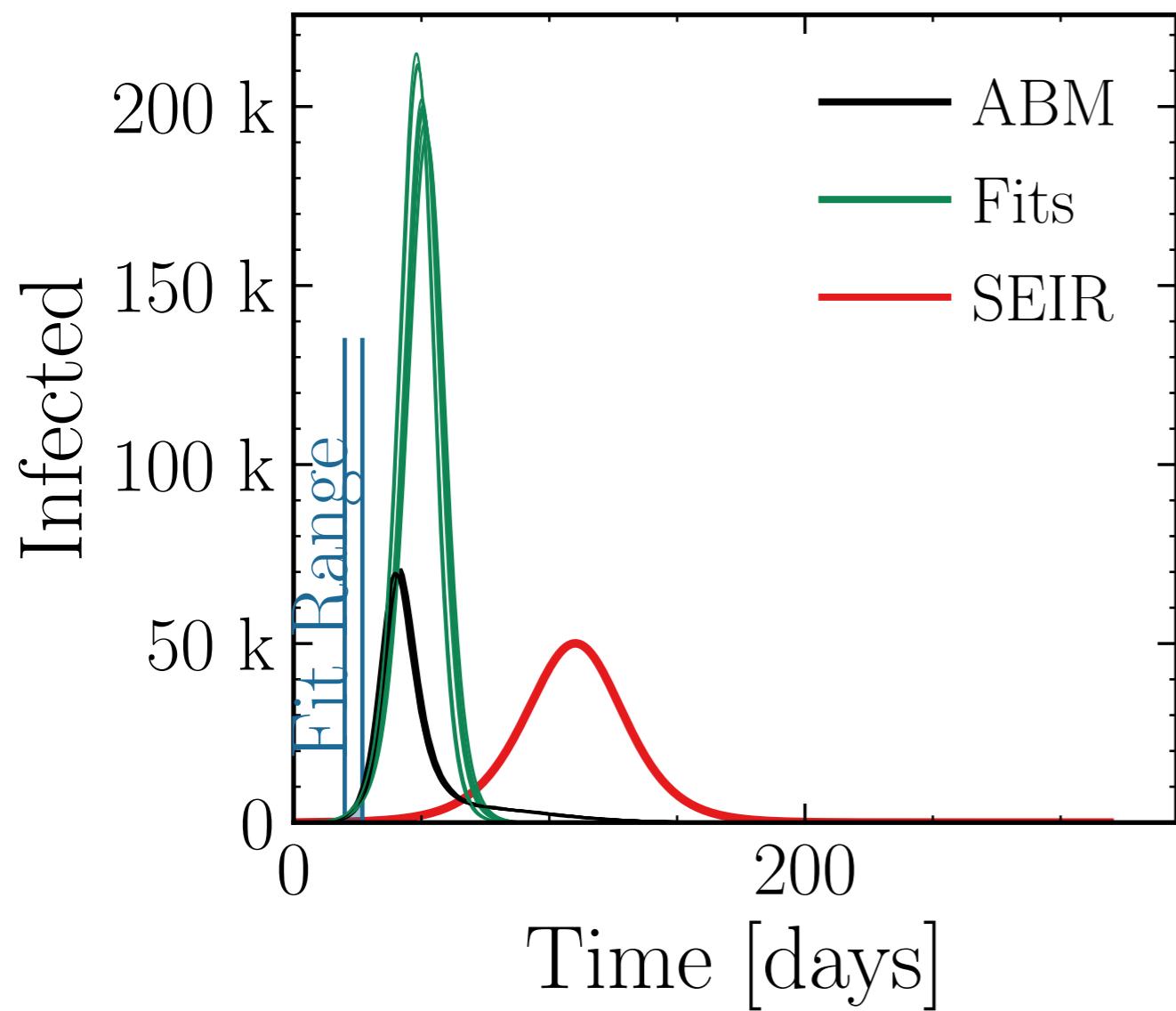
$$I_{\text{max}}^{\text{fit}} = (202 \pm 1.2\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 2.88 \pm 0.039$$

$$\text{v.} = 1.0, \text{hash} = 8187016979$$

$$R_{\infty}^{\text{fit}, \#10} = (954 \pm 0.19\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{fit}}} = 2.586 \pm 0.0047$$



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

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

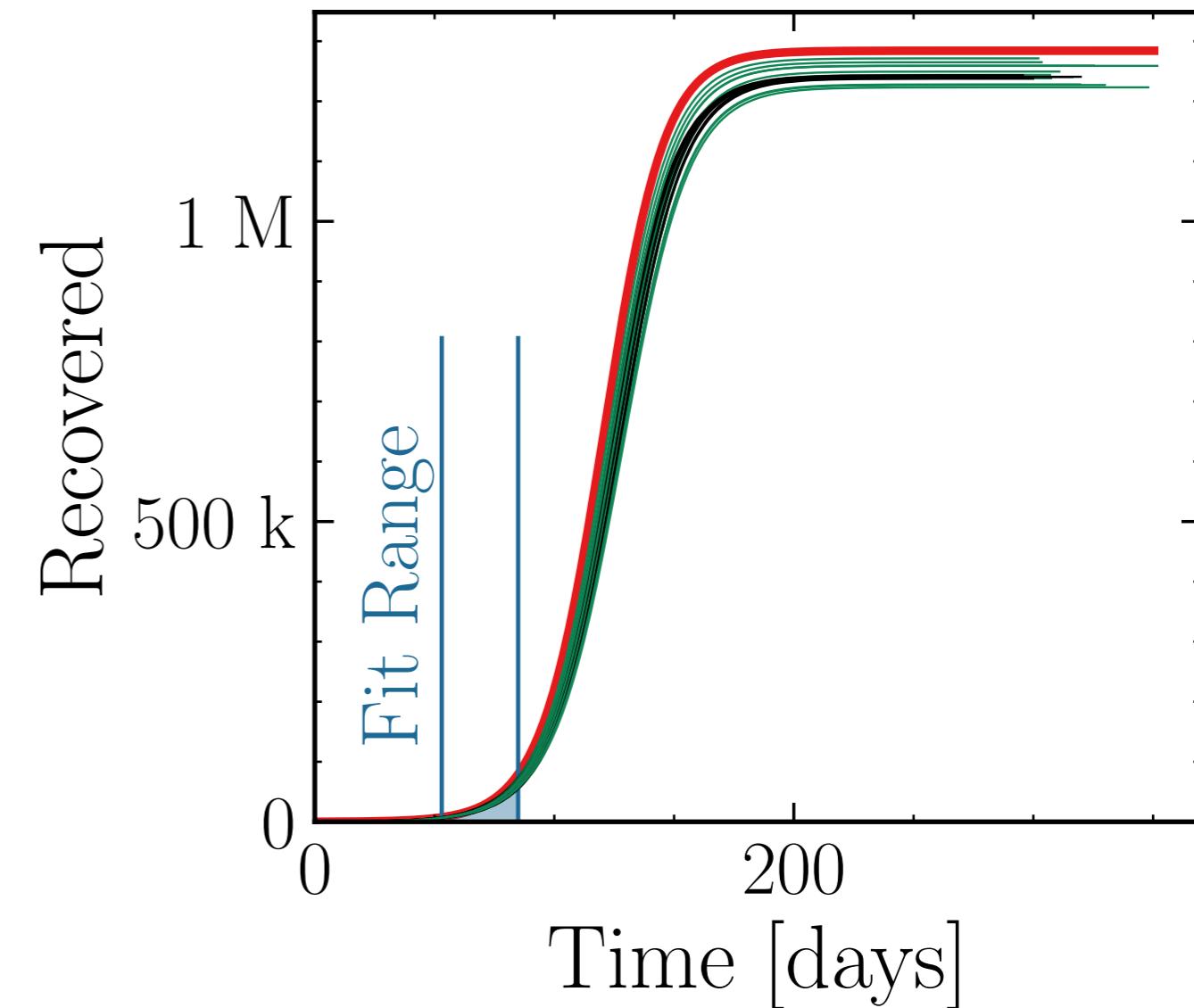
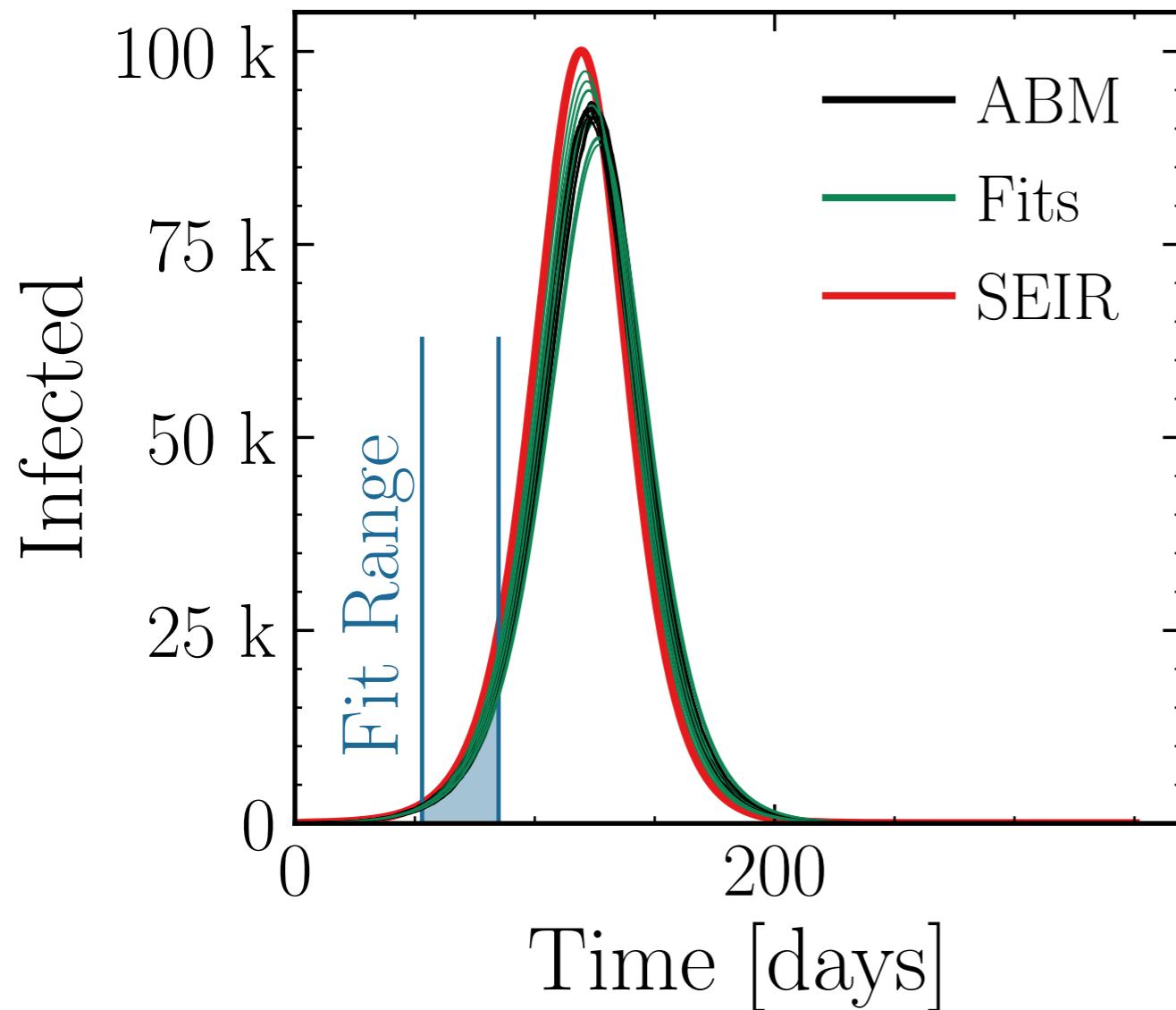
$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

$$I_{\text{max}}^{\text{fit}} = (92 \pm 1.1\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 0.999 \pm 0.010 \quad v. = 1.0, \text{hash} = 4c7f26e8a1, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{fit}}} = (1.246 \pm 0.41\%) \cdot 10^6$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{fit}}} = 1.005 \pm 0.0040$$



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

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

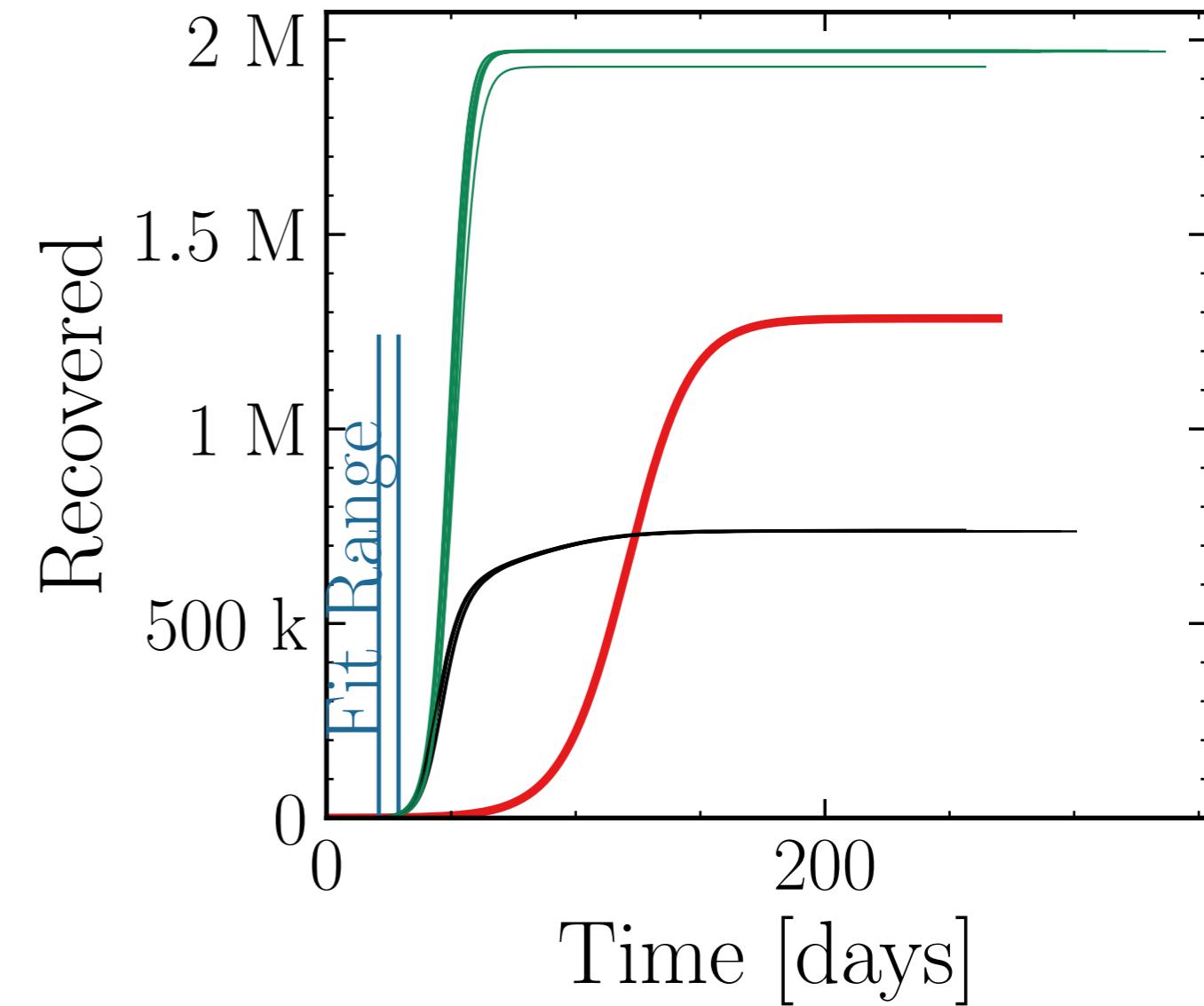
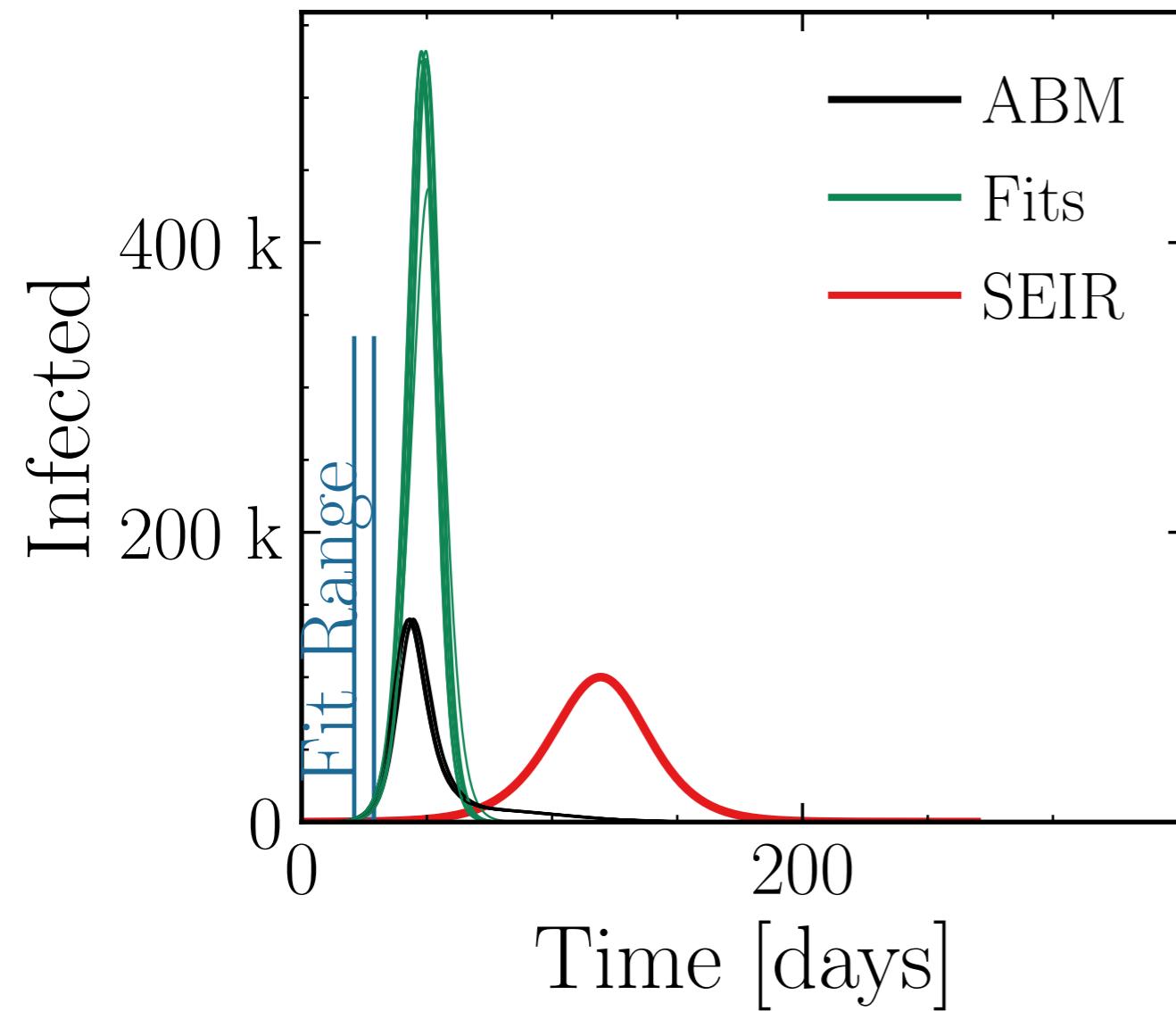
$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

$$I_{\text{max}}^{\text{fit}} = (518 \pm 1.7\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 3.7 \pm 0.060 \quad v. = 1.0, \text{hash} = 7d95ad2e97$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{fit}}} = (1.967 \pm 0.19\%) \cdot 10^6$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{fit}}} = 2.666 \pm 0.0051$$



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

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

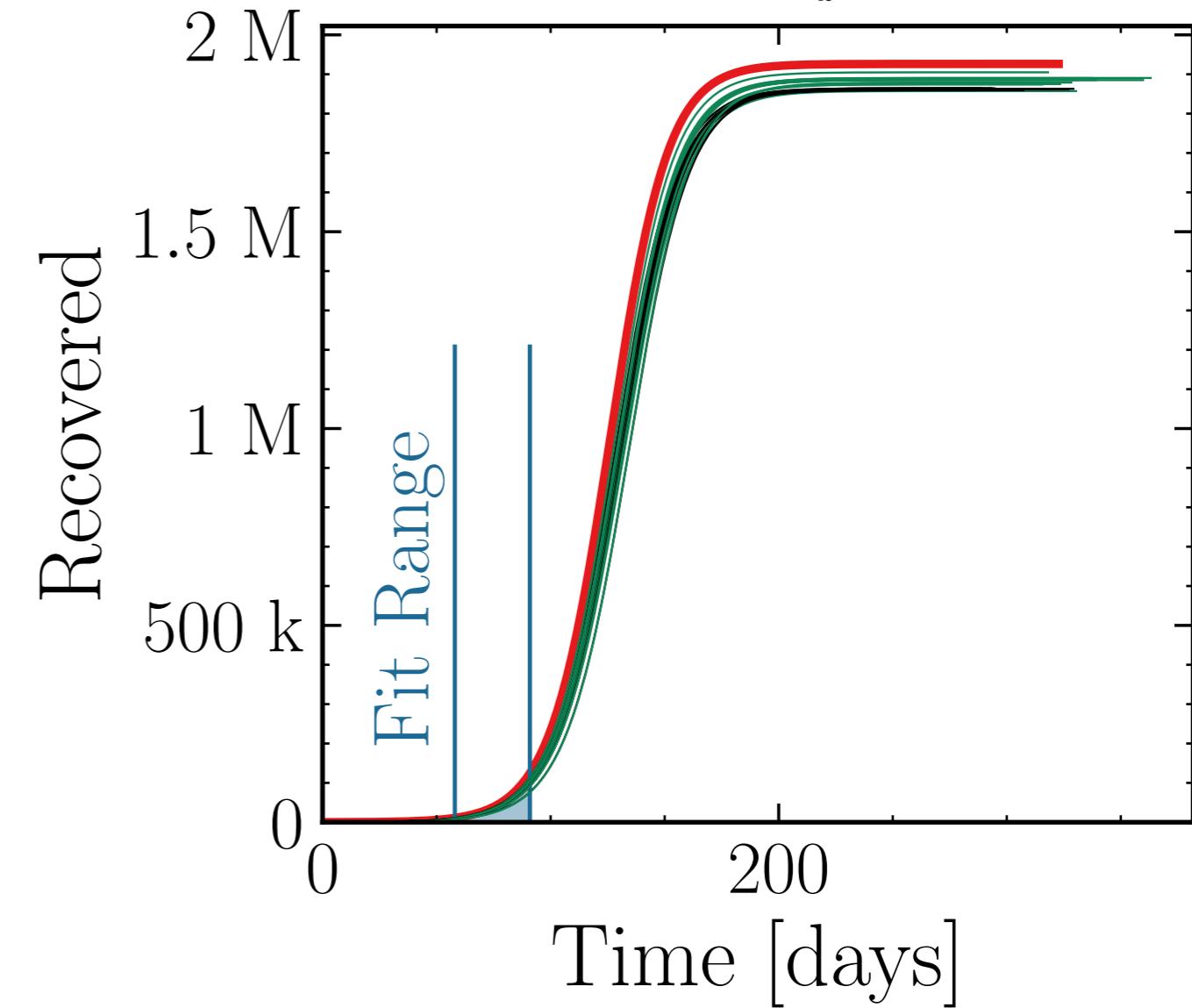
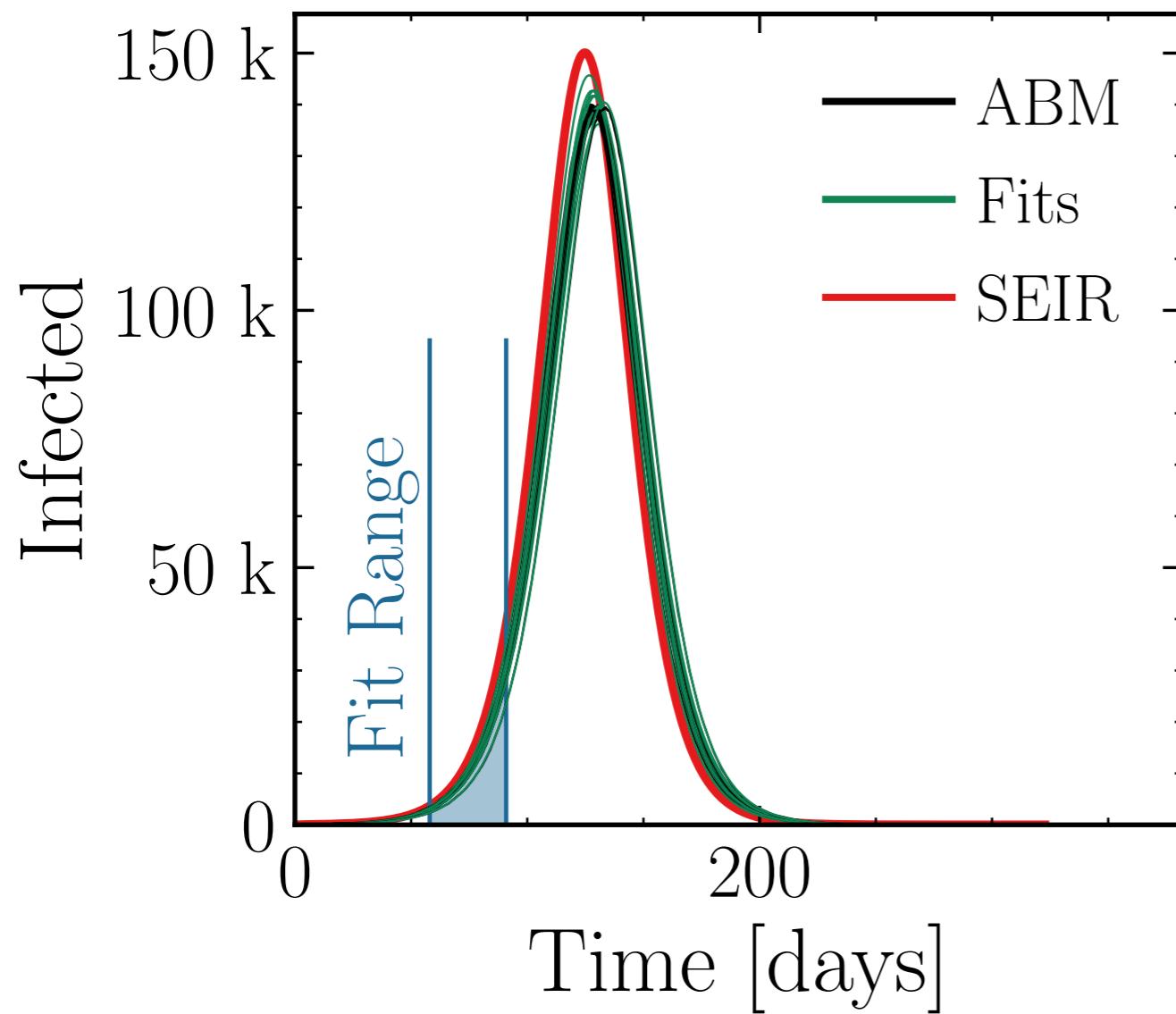
$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

$$I_{\text{max}}^{\text{fit}} = (141.2 \pm 0.53\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1.013 \pm 0.0052$$

$$v. = 1.0, \text{hash} = \text{d0f4ba52fb}\#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{fit}}} = (1.883 \pm 0.2\%) \cdot 10^6$$



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

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

$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

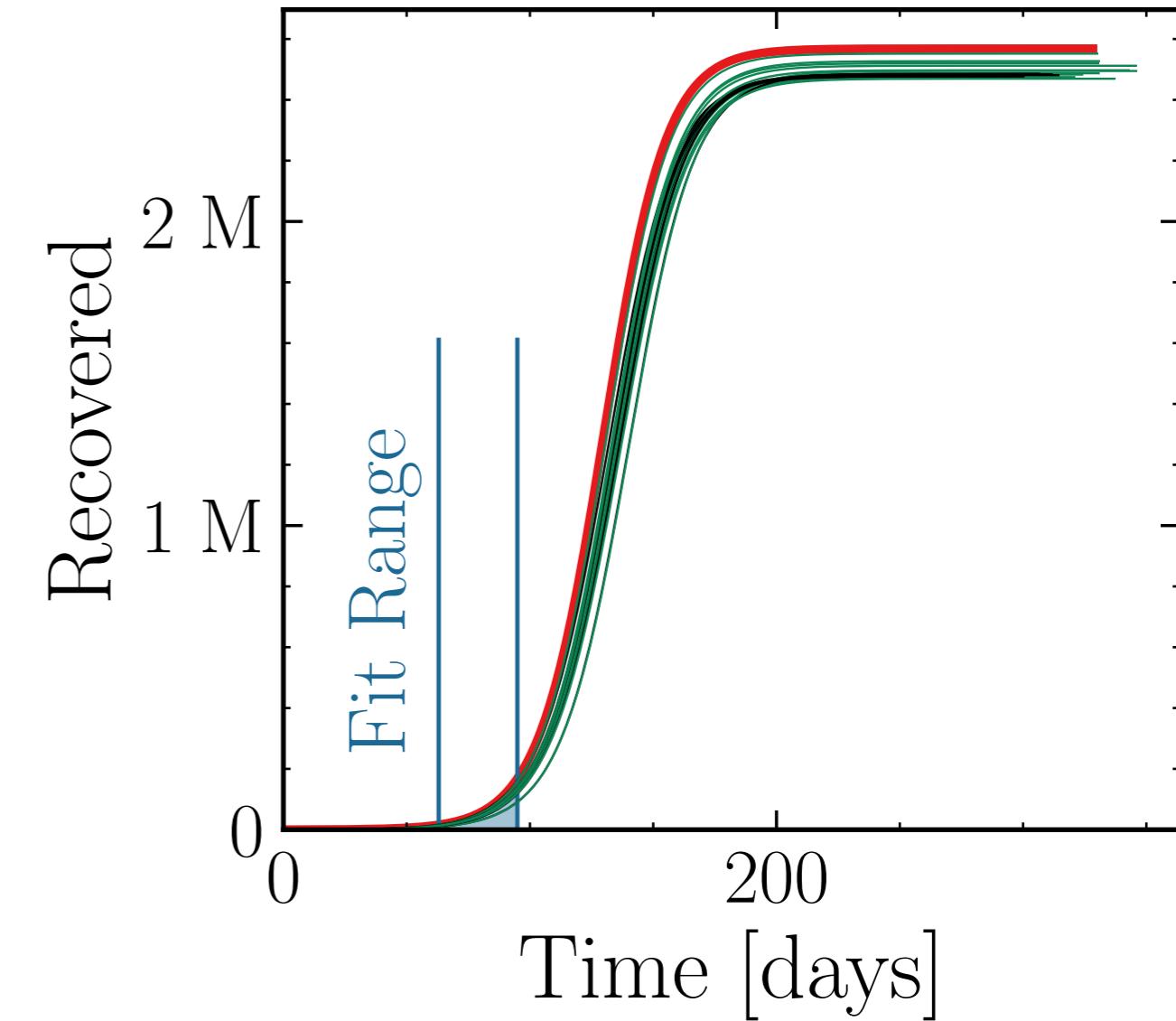
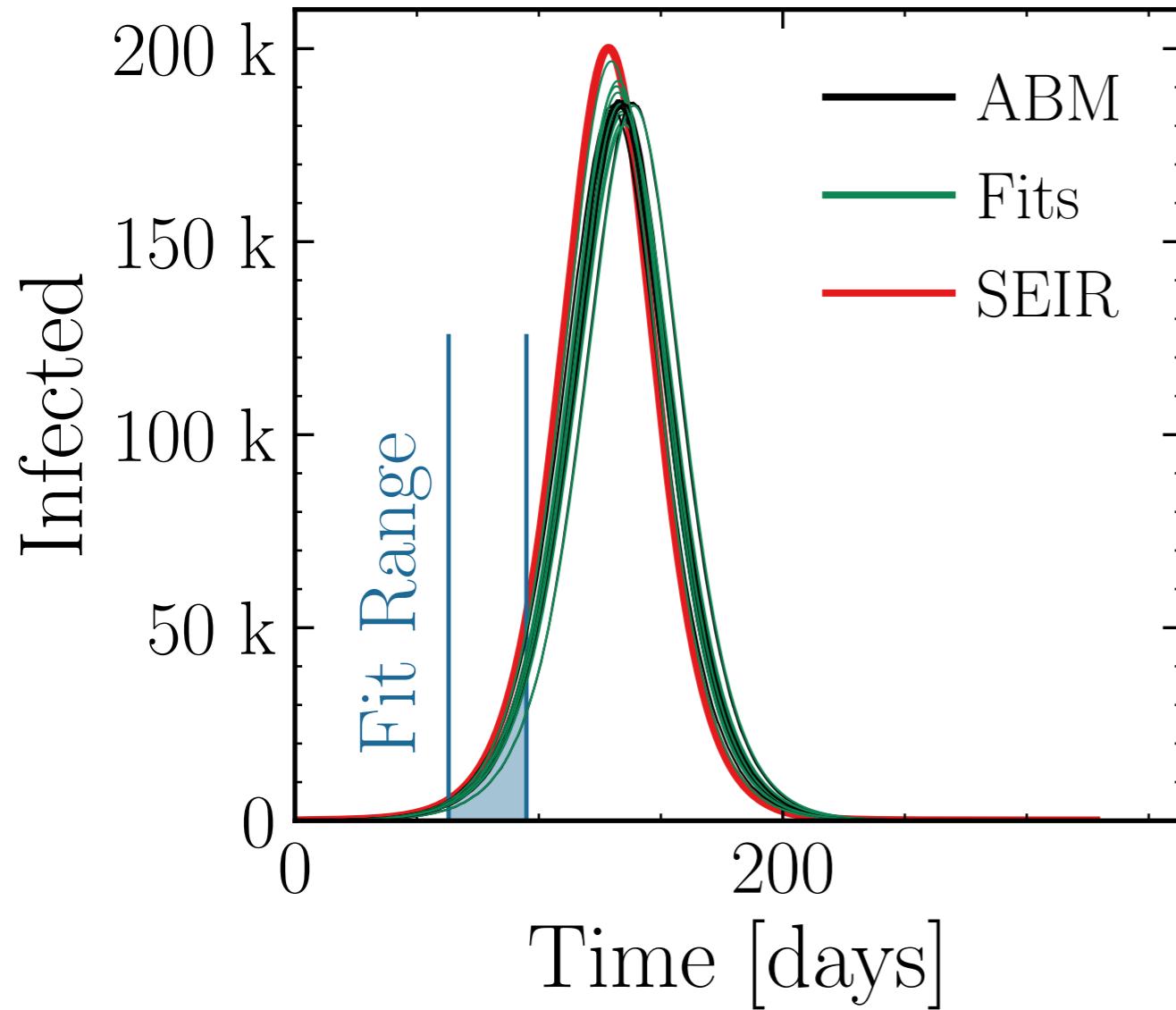
$$I_{\text{max}}^{\text{fit}} = (187 \pm 0.83\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1.003 \pm 0.0084$$

$$V. = 1.0, \text{hash} = \text{c03110d519}, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{fit}}} = (2.502 \pm 0.31\%) \cdot 10^6$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{fit}}} = 1.008 \pm 0.0034$$



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

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

$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β scaling} = 10.0, event_{weekendmultiplier} = 1.0

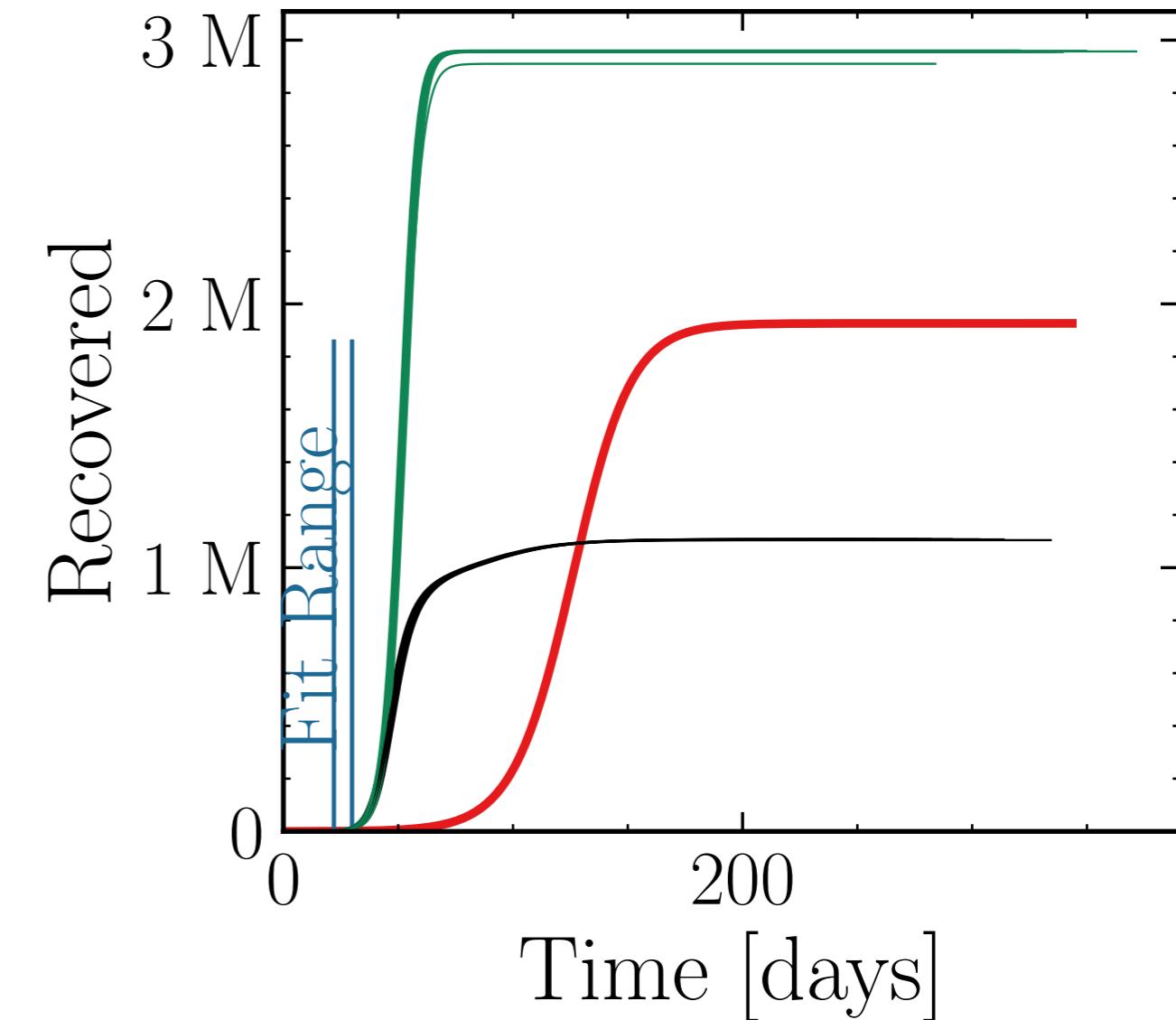
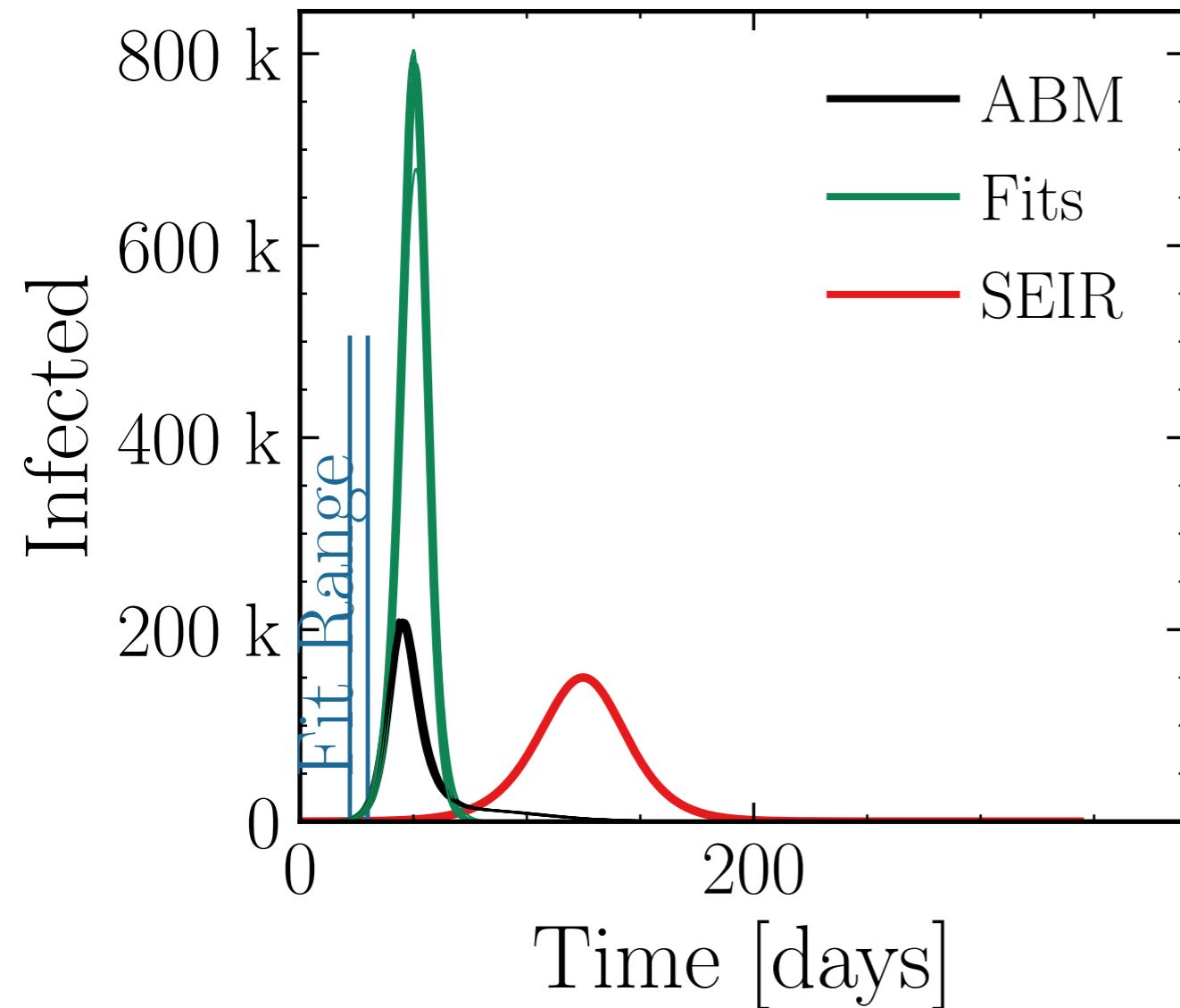
$$I_{\text{max}}^{\text{fit}} = (780 \pm 1.4\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 3.72 \pm 0.053$$

$$v. = 1.0, \text{hash} = 9c71f7e69e, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (2.953 \pm 0.15\%) \cdot 10^6$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{fit}}} = 2.667 \pm 0.0045$$



$N_{\text{tot}} = 4M$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$

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

$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

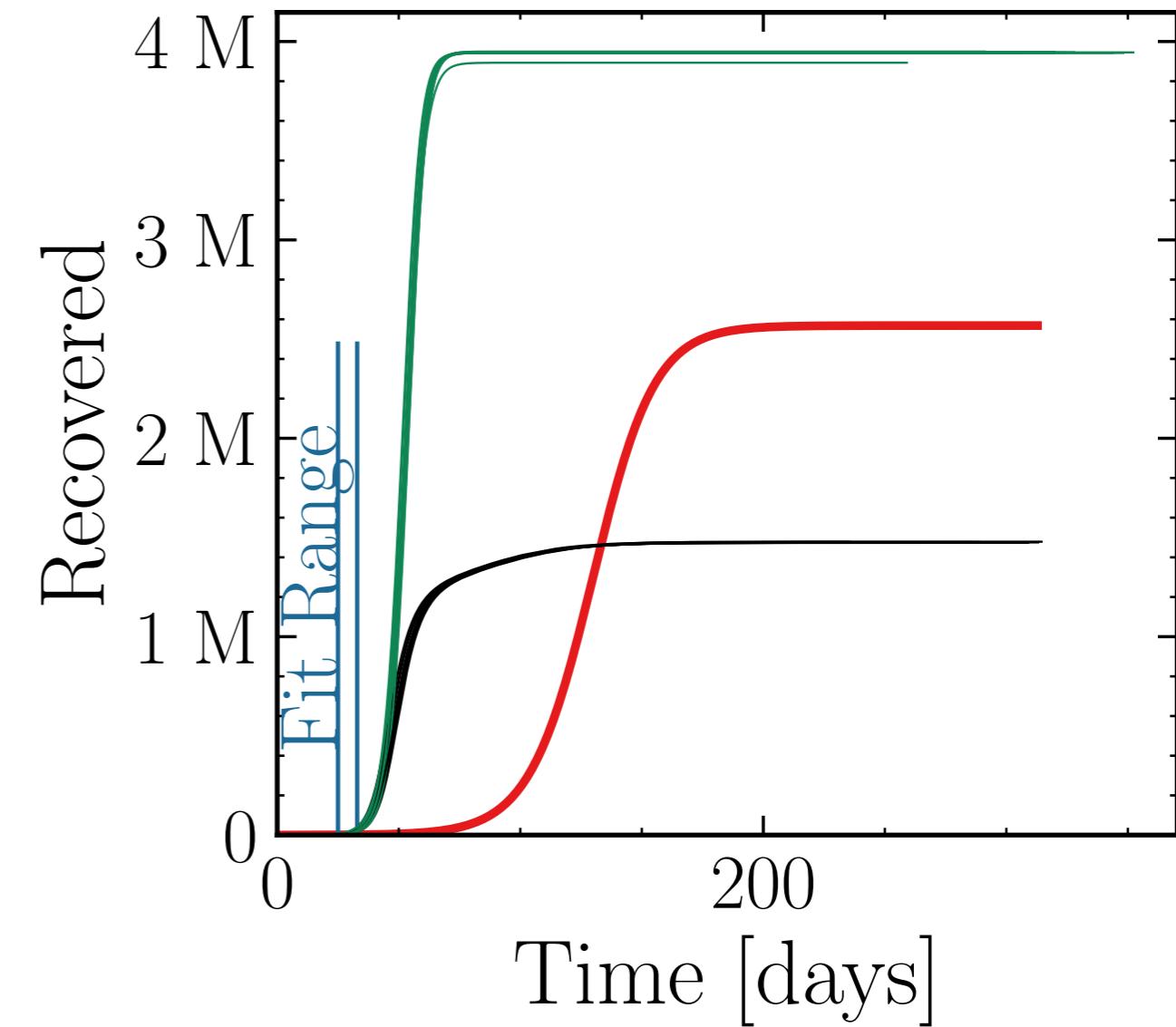
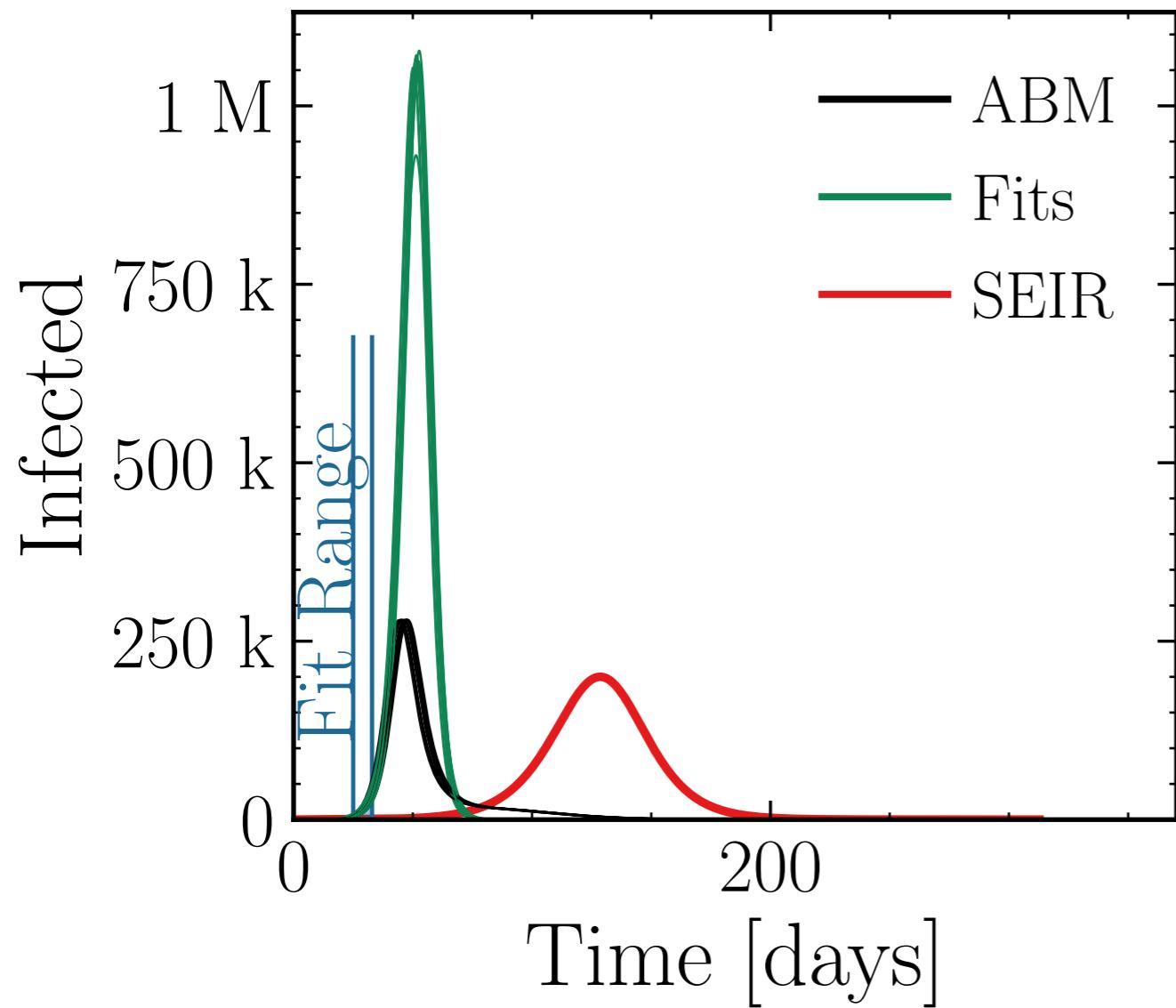
$$I_{\text{max}}^{\text{fit}} = (1.05 \pm 1.2\%) \cdot 10^6$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 3.74 \pm 0.045$$

v. = 1.0, hash = b03bfa6393, #10

$$R_{\infty}^{\text{fit}} = (3.939 \pm 0.13\%) \cdot 10^6$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 2.669 \pm 0.0039$$



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

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

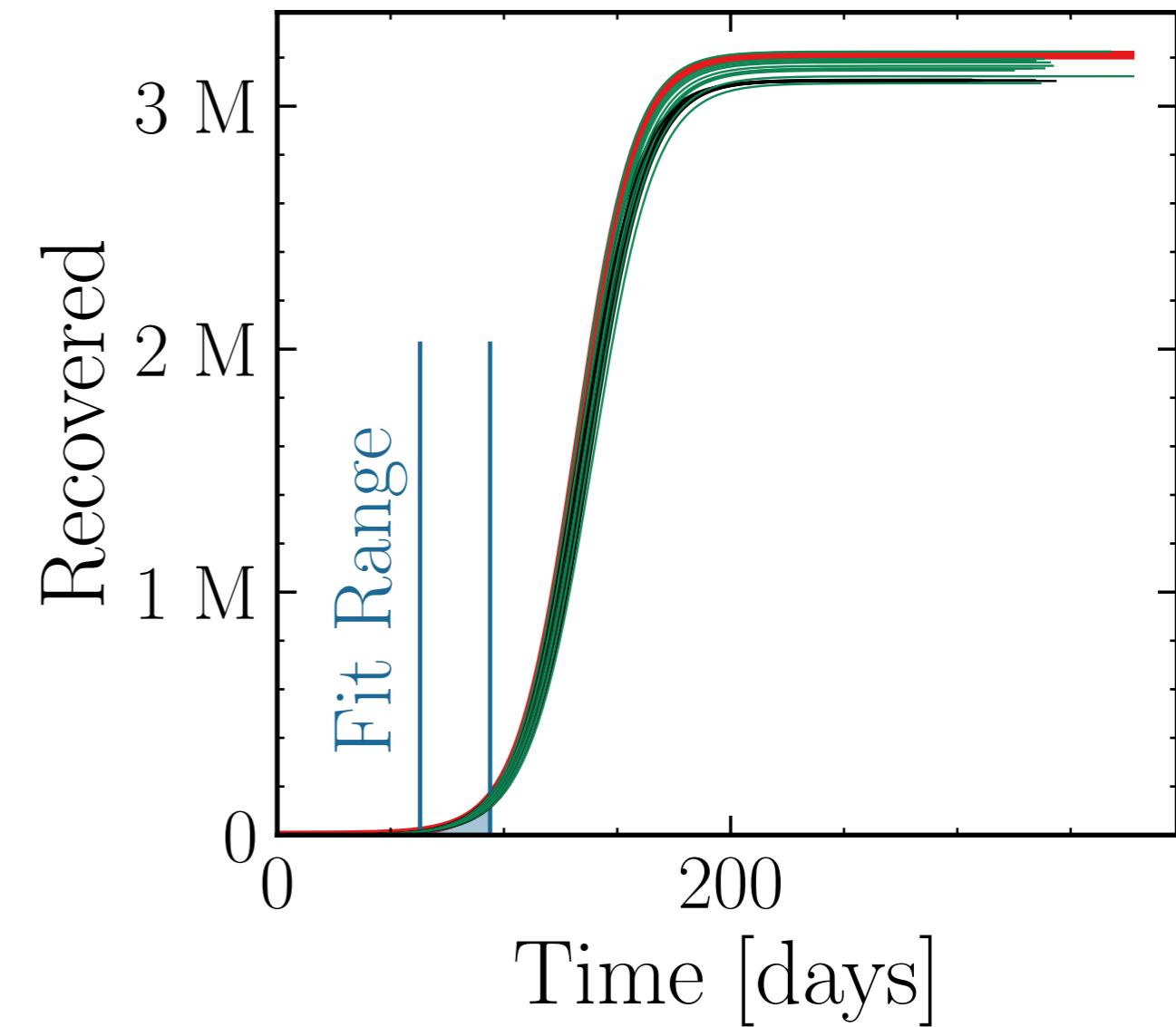
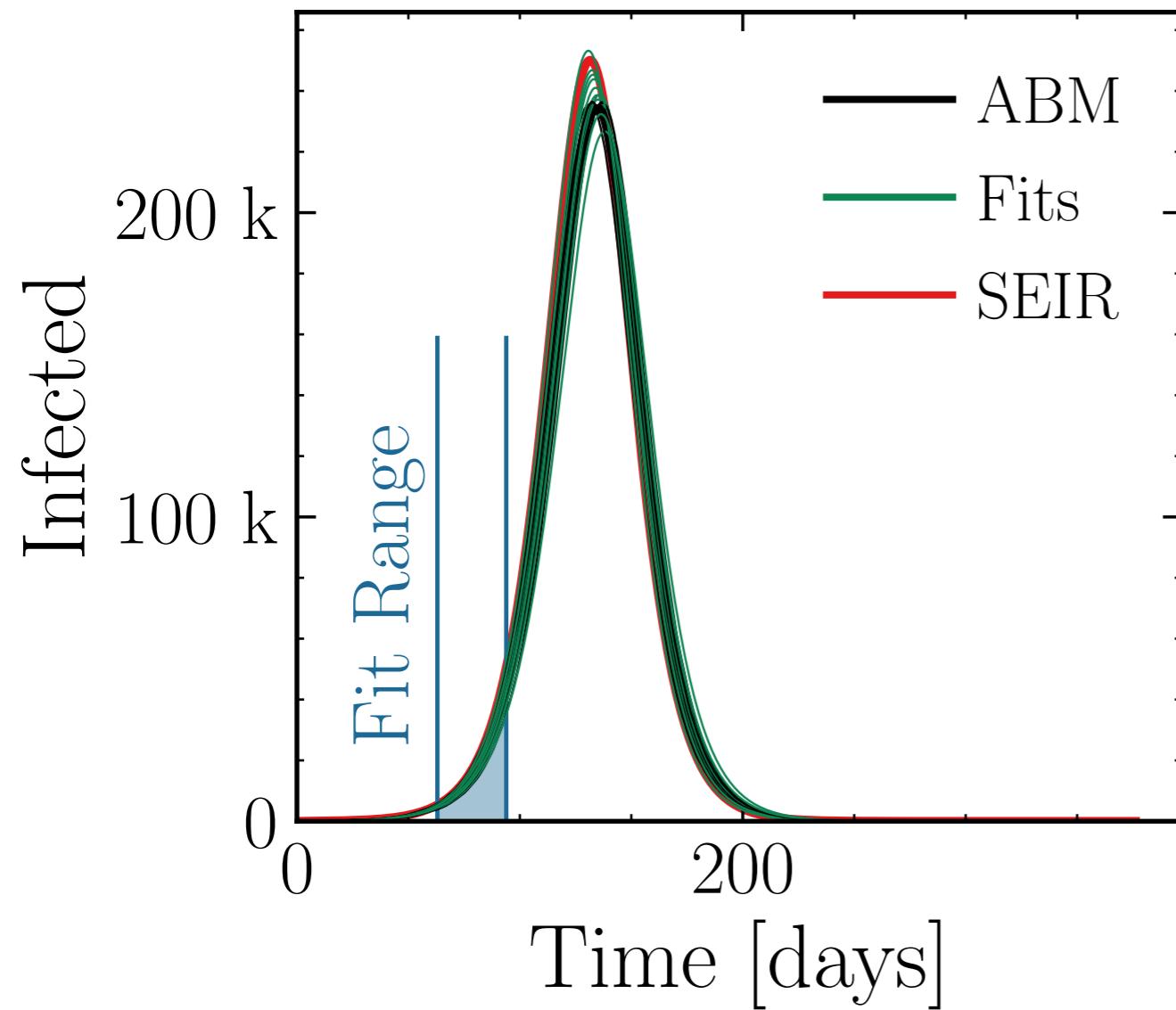
$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β scaling} = 10.0, event_{weekendmultiplier} = 1.0

$$I_{\text{max}}^{\text{fit}} = (240 \pm 0.94\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1.021 \pm 0.0096$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (3.16 \pm 0.35\%) \cdot 10^6$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{fit}}} = 1.018 \pm 0.0036$$



$N_{\text{tot}} = 5M$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$

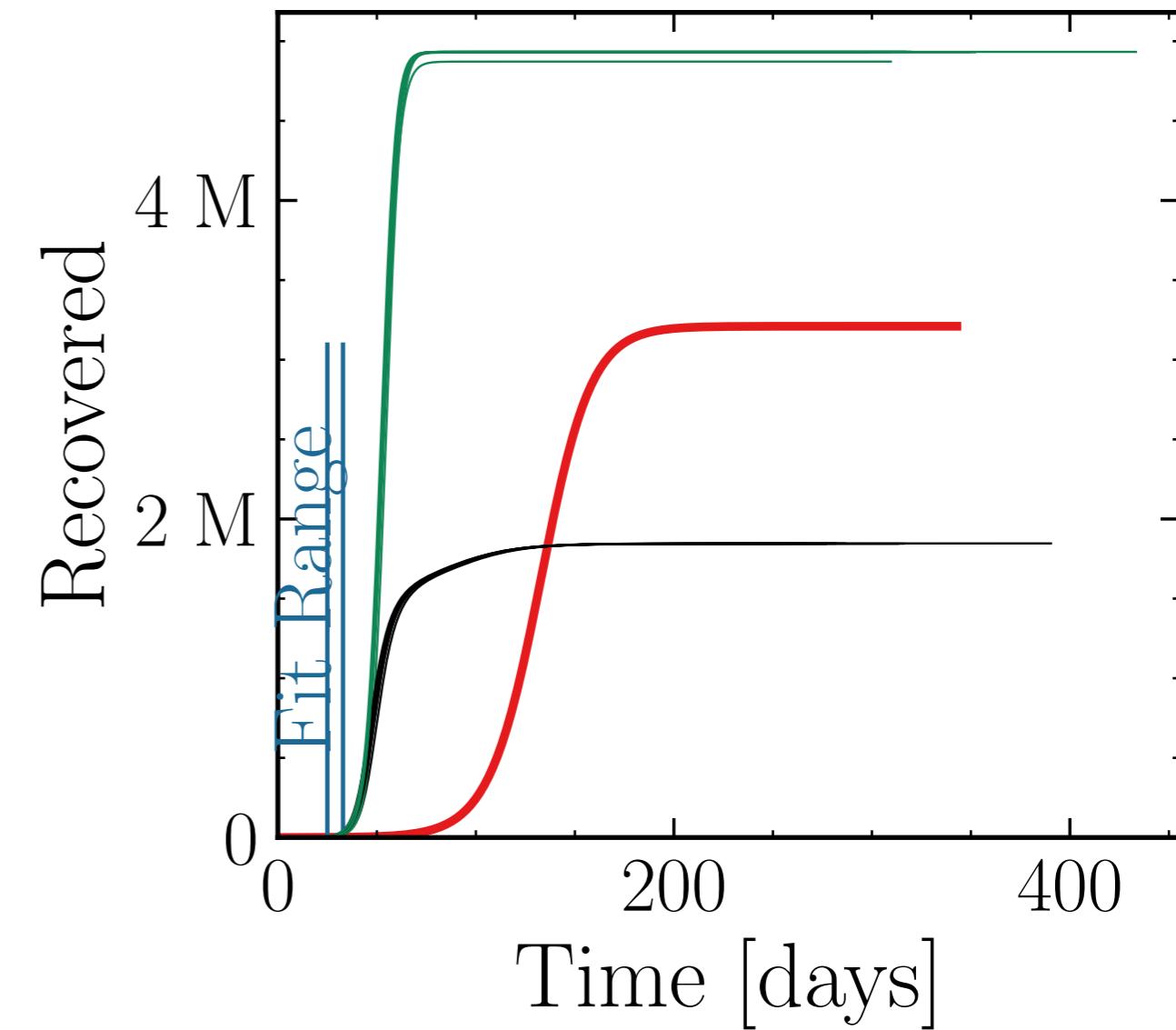
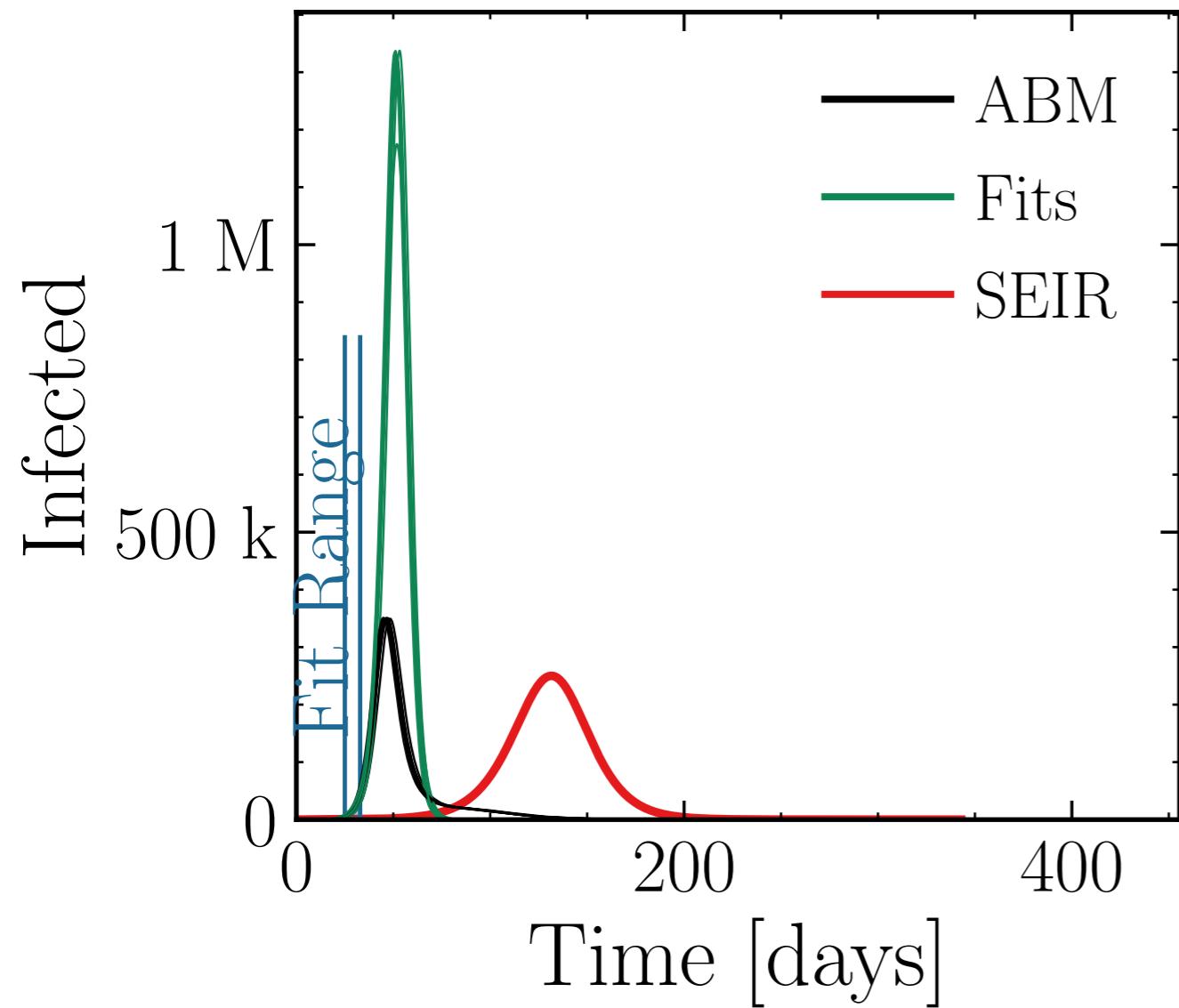
$\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{connect}}^{\text{connect}} = 0$

$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

$$I_{\text{max}}^{\text{fit}} = (1.32 \pm 1.1\%) \cdot 10^6$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 3.76 \pm 0.044 \quad v. = 1.0, \text{hash} = b1b96b8d83, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (4.926 \pm 0.12\%) \cdot 10^6 \quad \frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{fit}}} = 2.669 \pm 0.0031$$



$N_{\text{tot}} = 5.8M$, $\rho = 0.005$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$

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

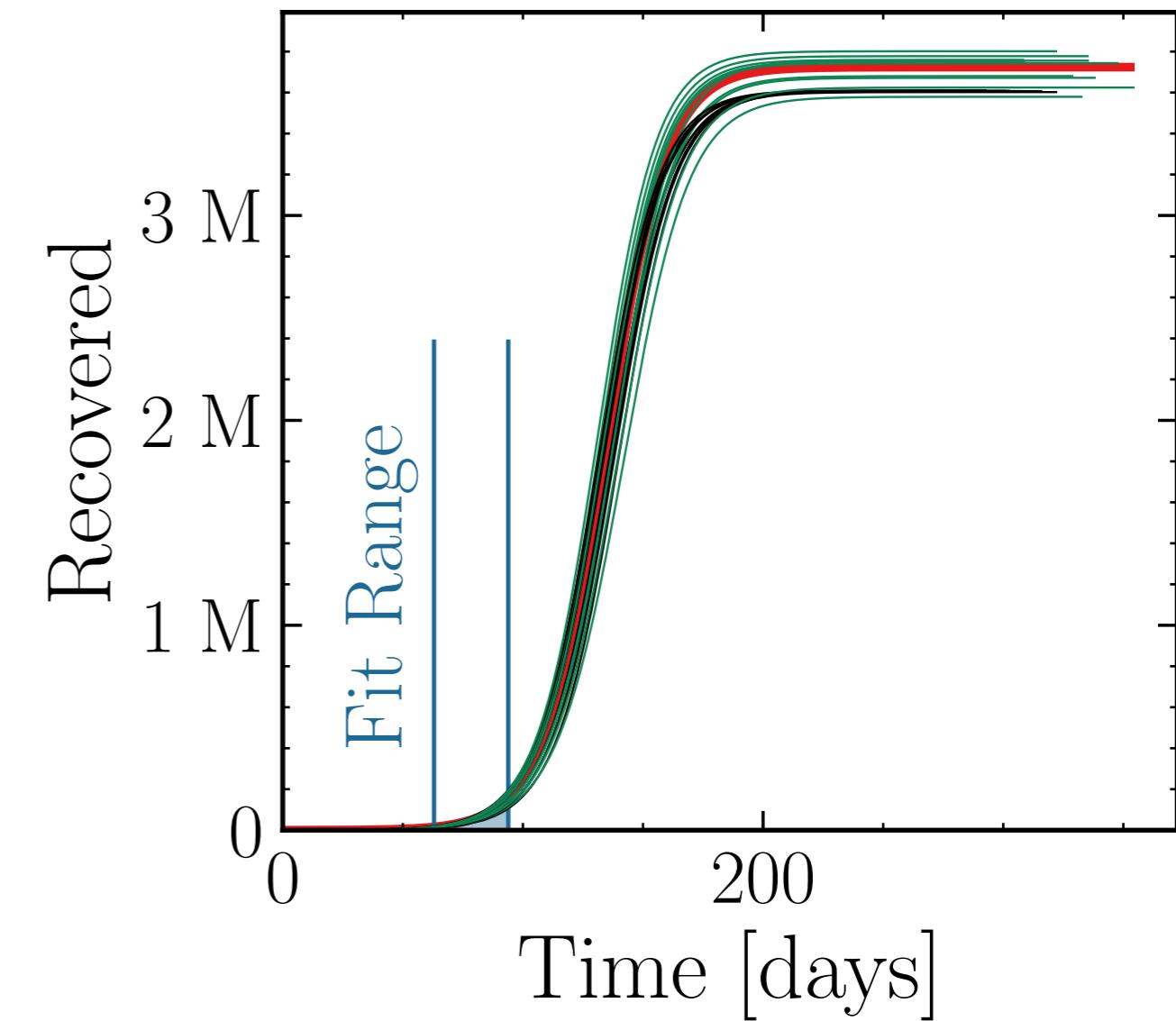
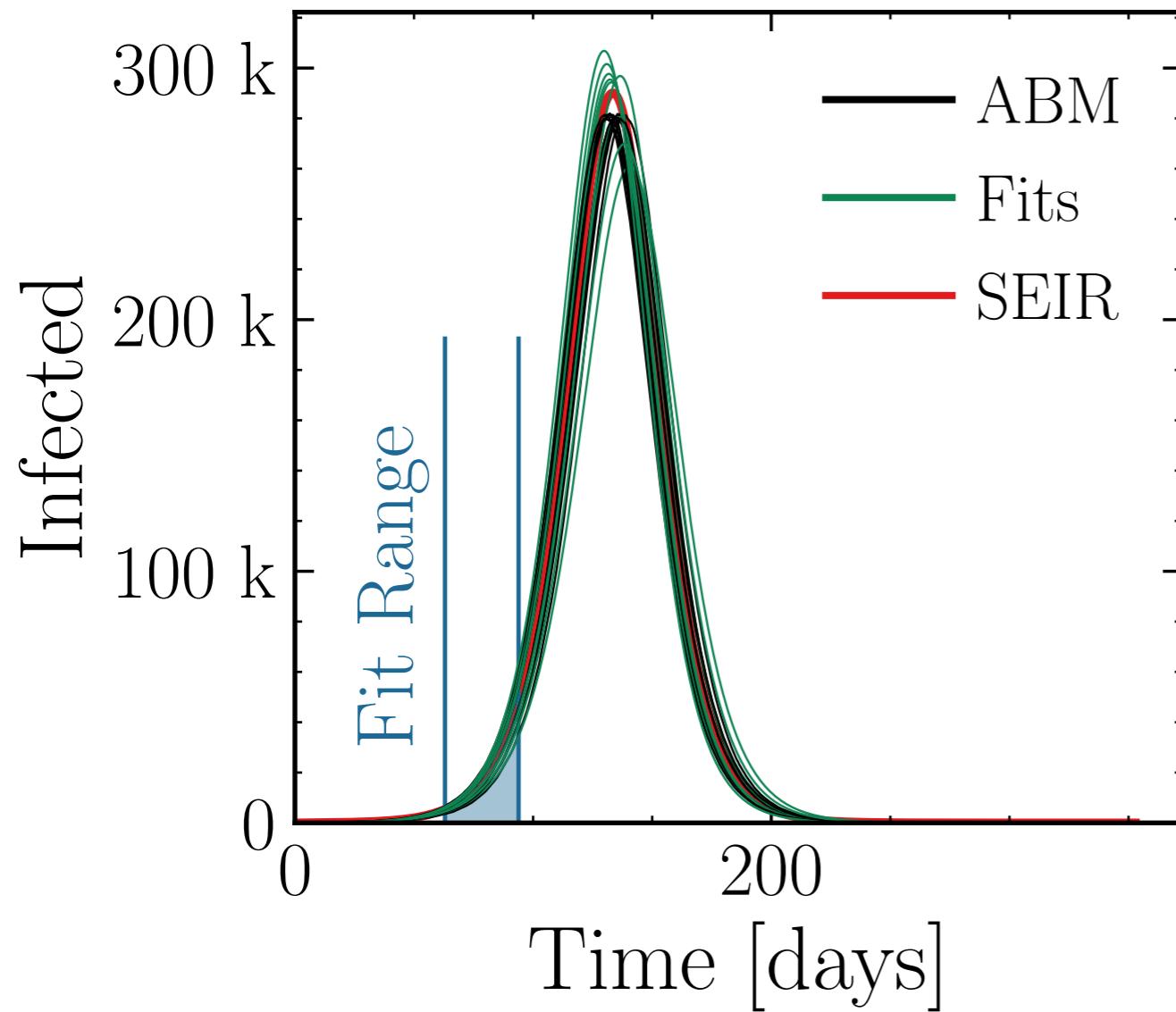
$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

$$I_{\text{max}}^{\text{fit}} = (288 \pm 1.5\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1.03 \pm 0.016 \quad v. = 1.0, \text{hash} = \text{dde206fb76}, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (3.71 \pm 0.58\%) \cdot 10^6$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{fit}}} = 1.03 \pm 0.0059$$



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

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

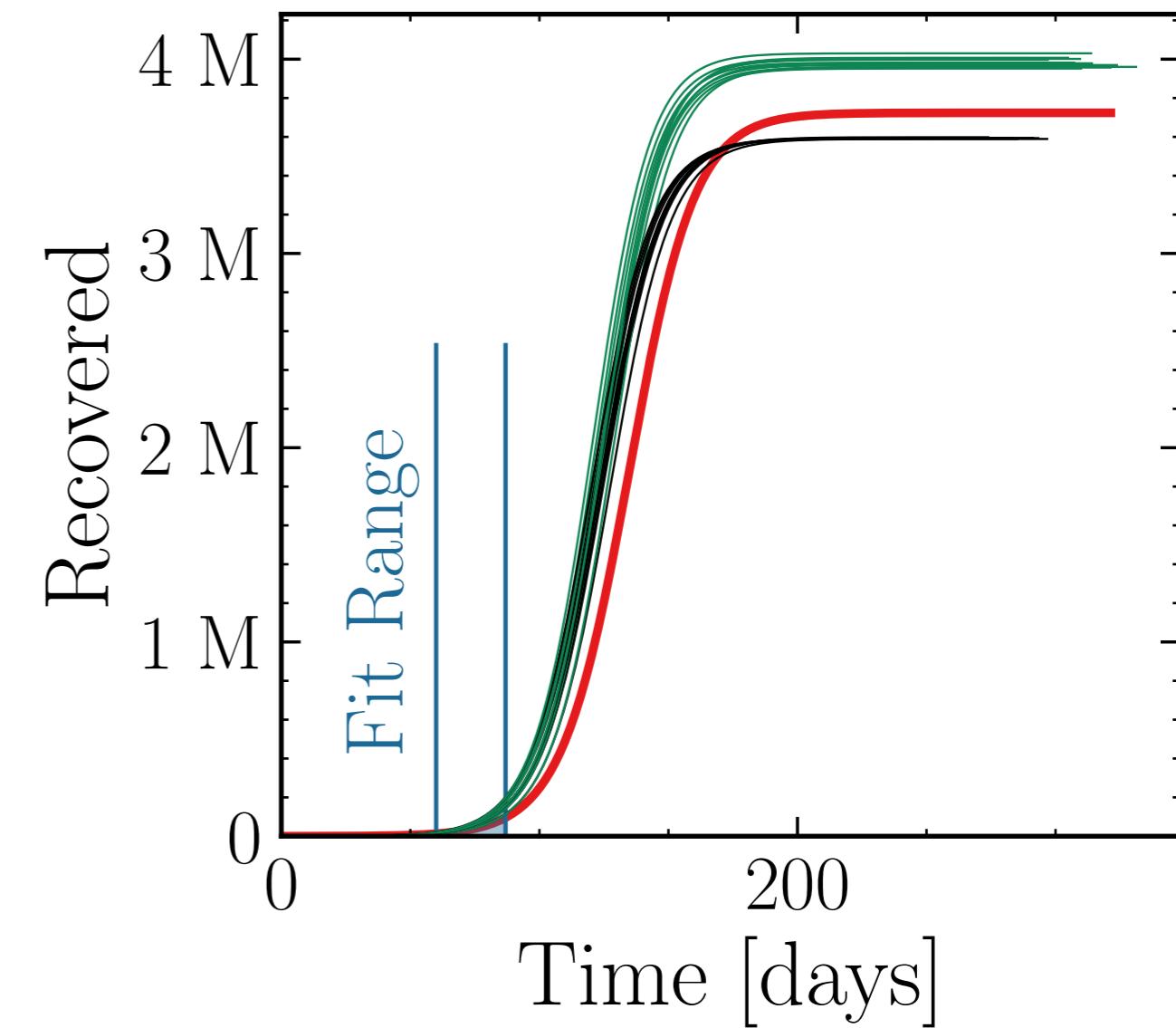
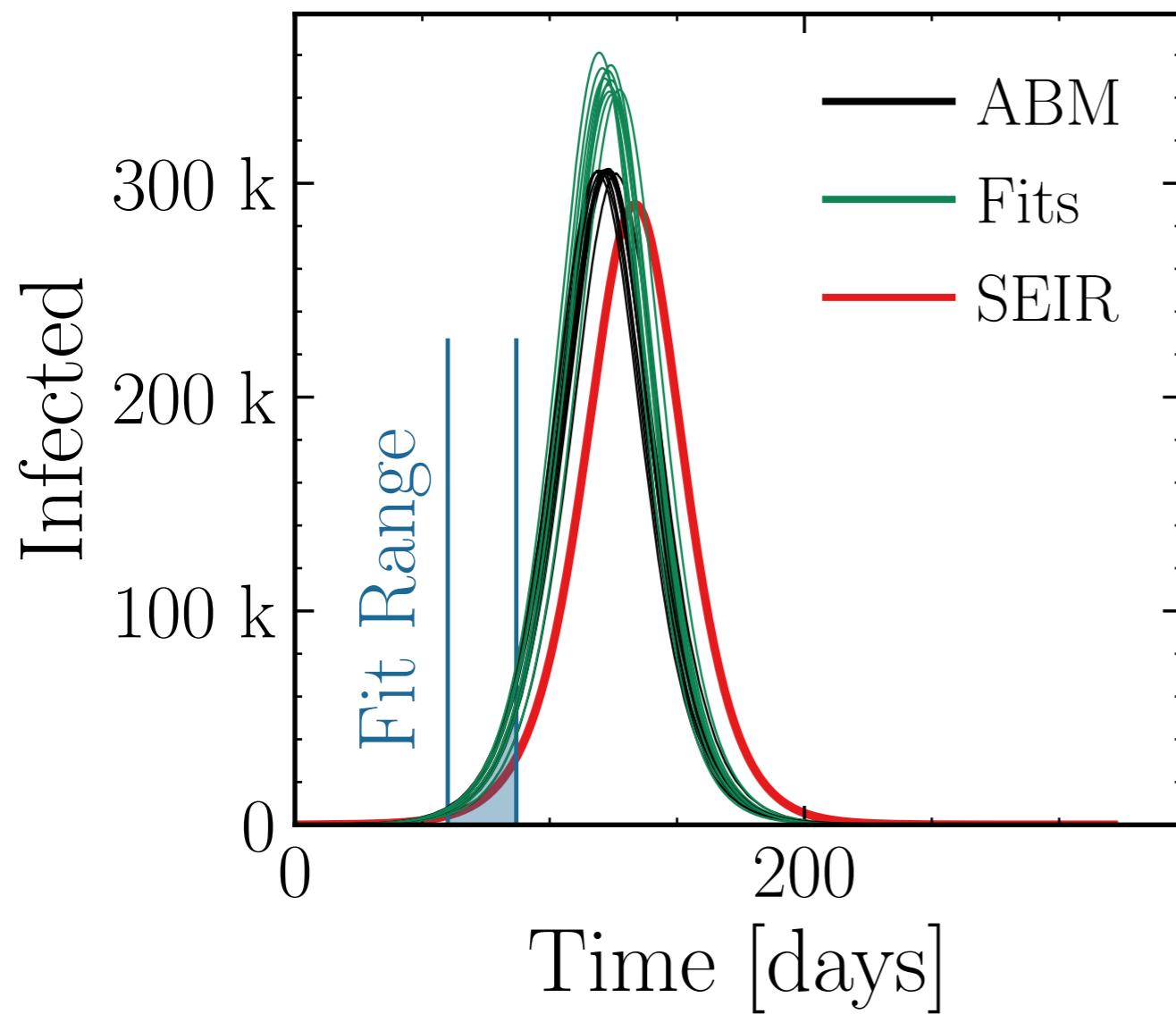
$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

$$I_{\text{max}}^{\text{fit}} = (349 \pm 0.54\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1.142 \pm 0.0063$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (3.983 \pm 0.19\%) \cdot 10^6$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{fit}}} = 1.109 \pm 0.0021$$



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

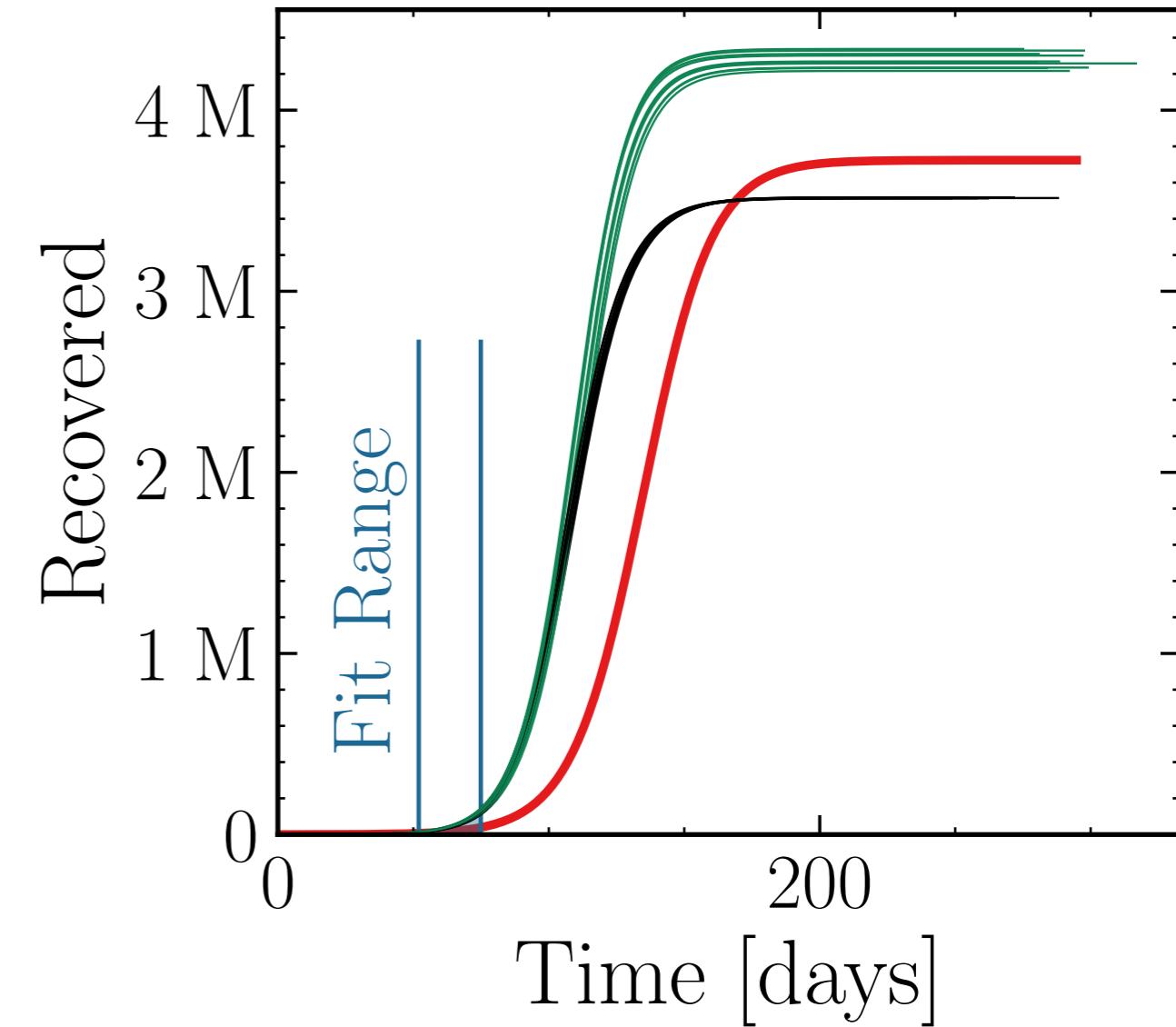
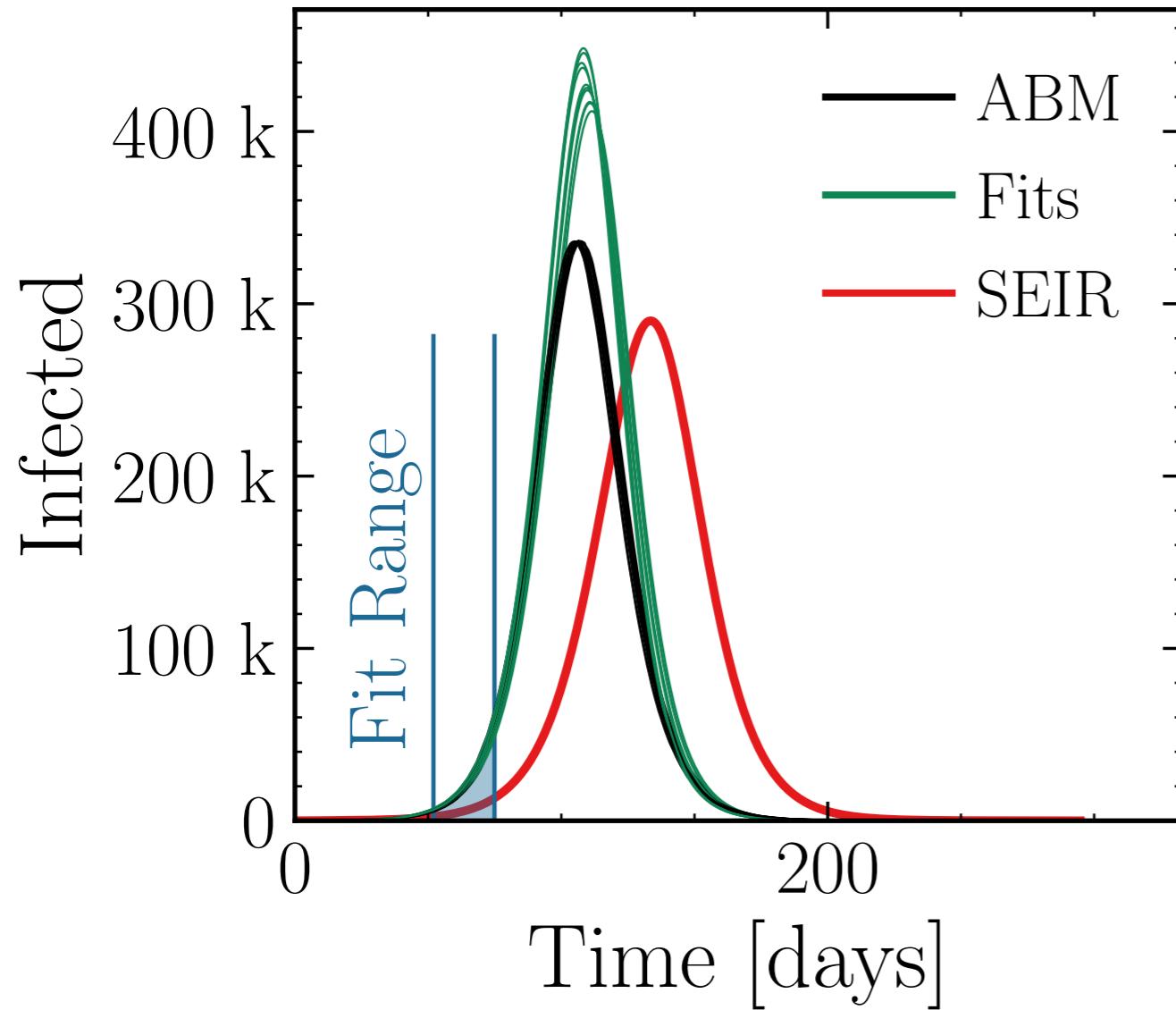
$\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{connect}}^{\text{connect}} = 0$

$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

$$I_{\text{max}}^{\text{fit}} = (429 \pm 0.89\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1.28 \pm 0.011 \quad v. = 1.0, \text{ hash} = 78b0d321f5 \#10 \quad R_{\infty}^{\text{fit}} = (4.28 \pm 0.3\%) \cdot 10^6$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.216 \pm 0.0036$$



$N_{\text{tot}} = 5.8M$, $\rho = 0.025$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$

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

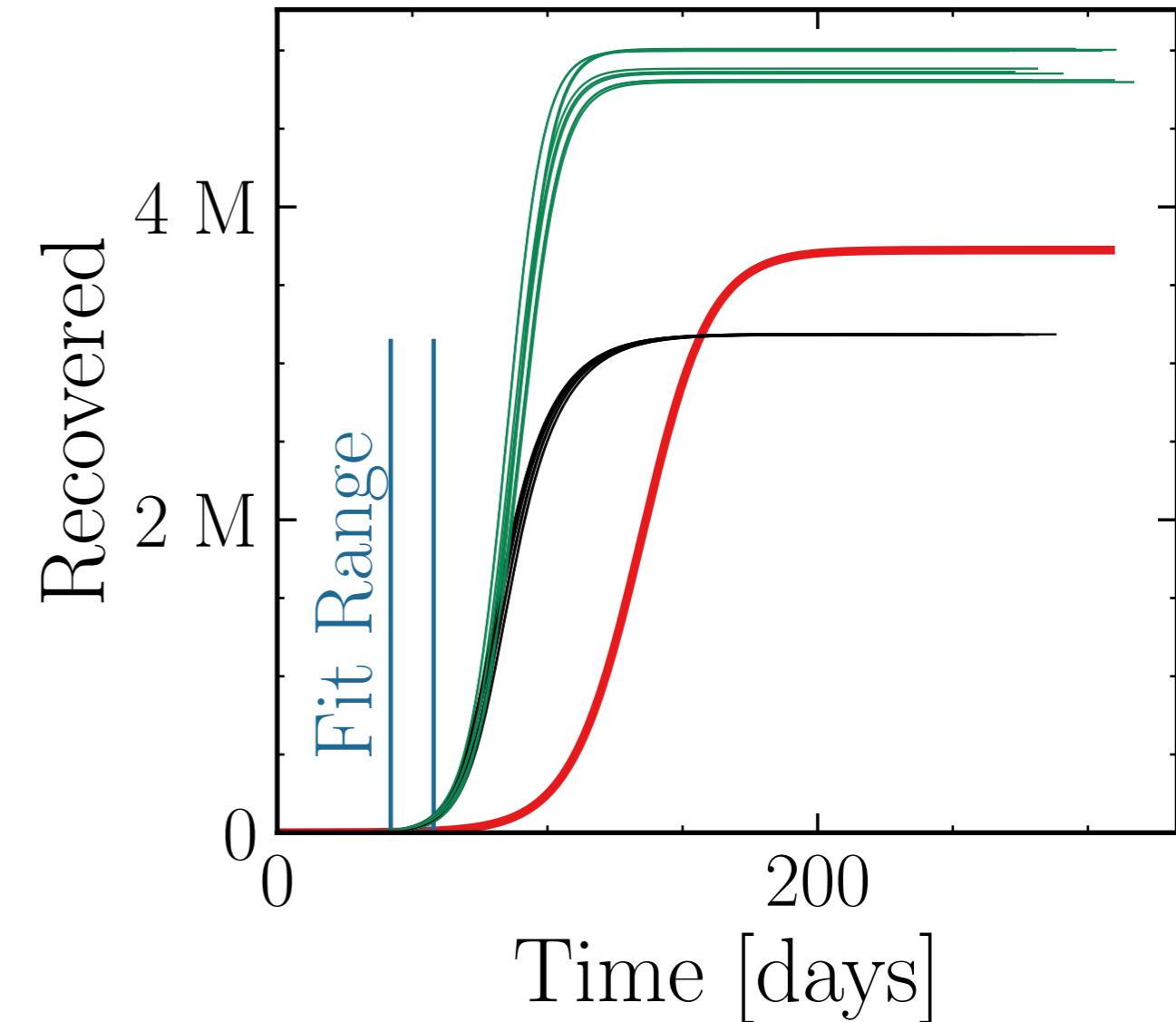
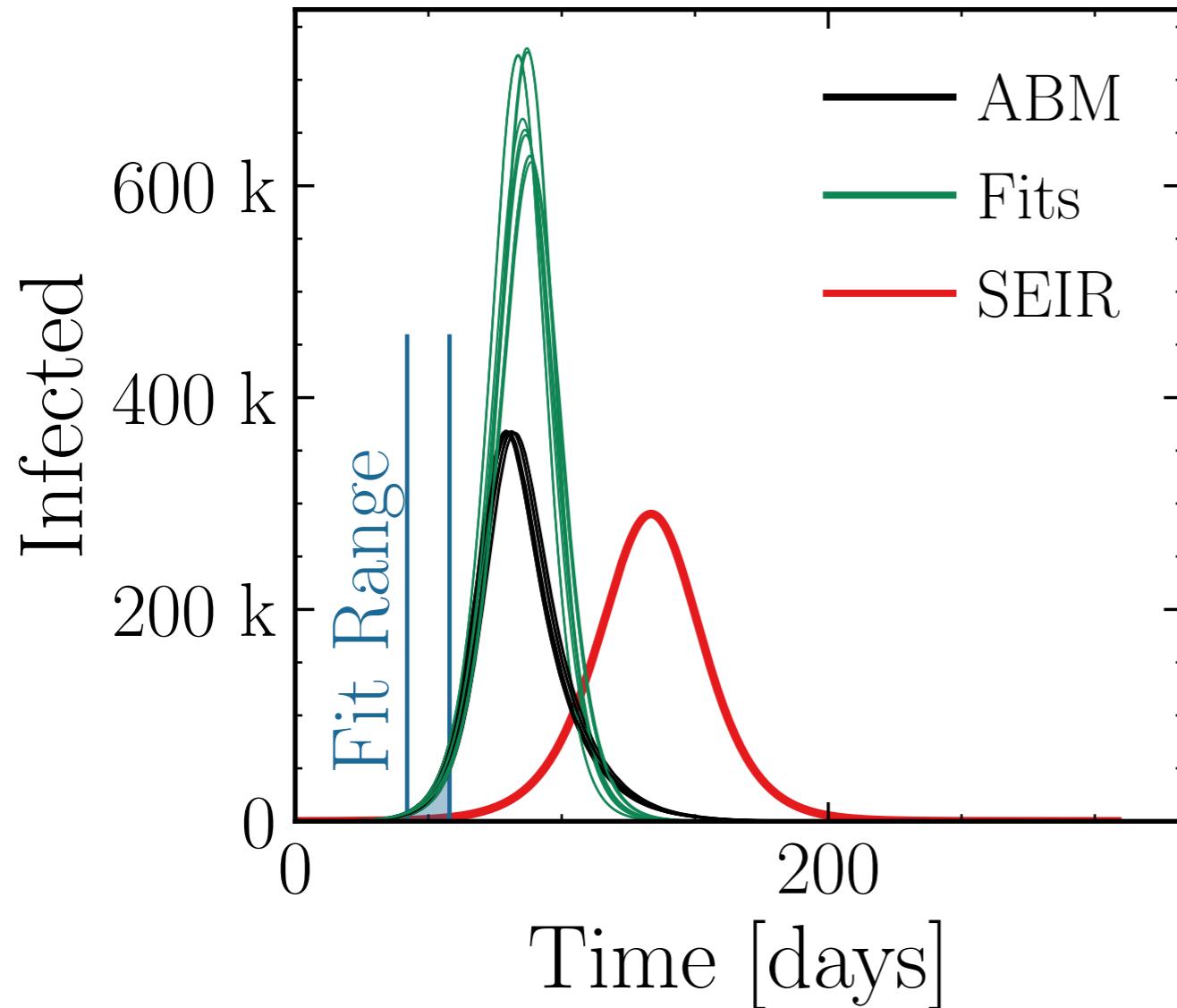
$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

$$I_{\text{max}}^{\text{fit}} = (670 \pm 2.0\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1.83 \pm 0.038 \quad v. = 1.0, \text{ hash} = 011676c455$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (4.9 \pm 0.55\%) \cdot 10^6$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{fit}}} = 1.539 \pm 0.0085$$



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

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

$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

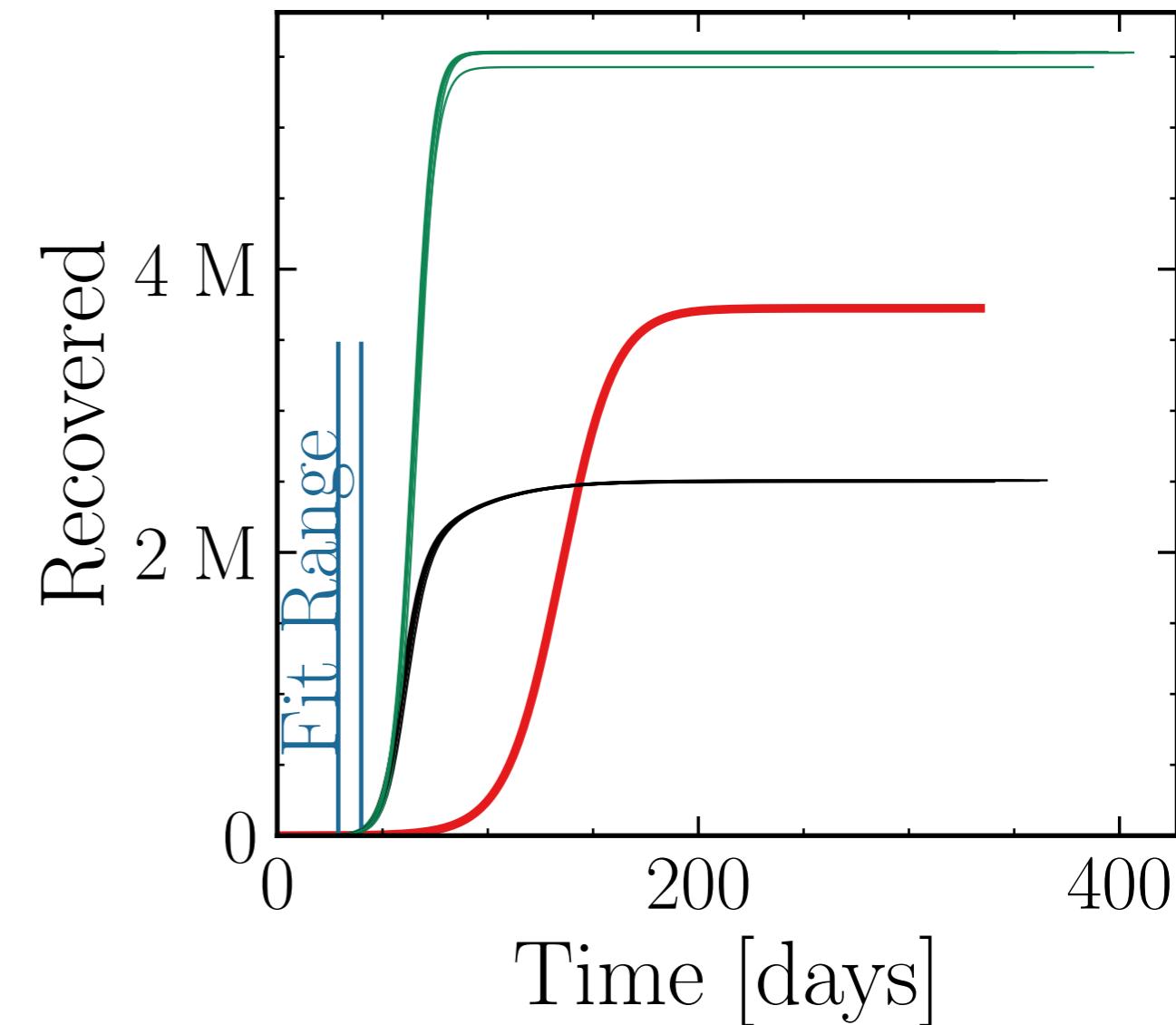
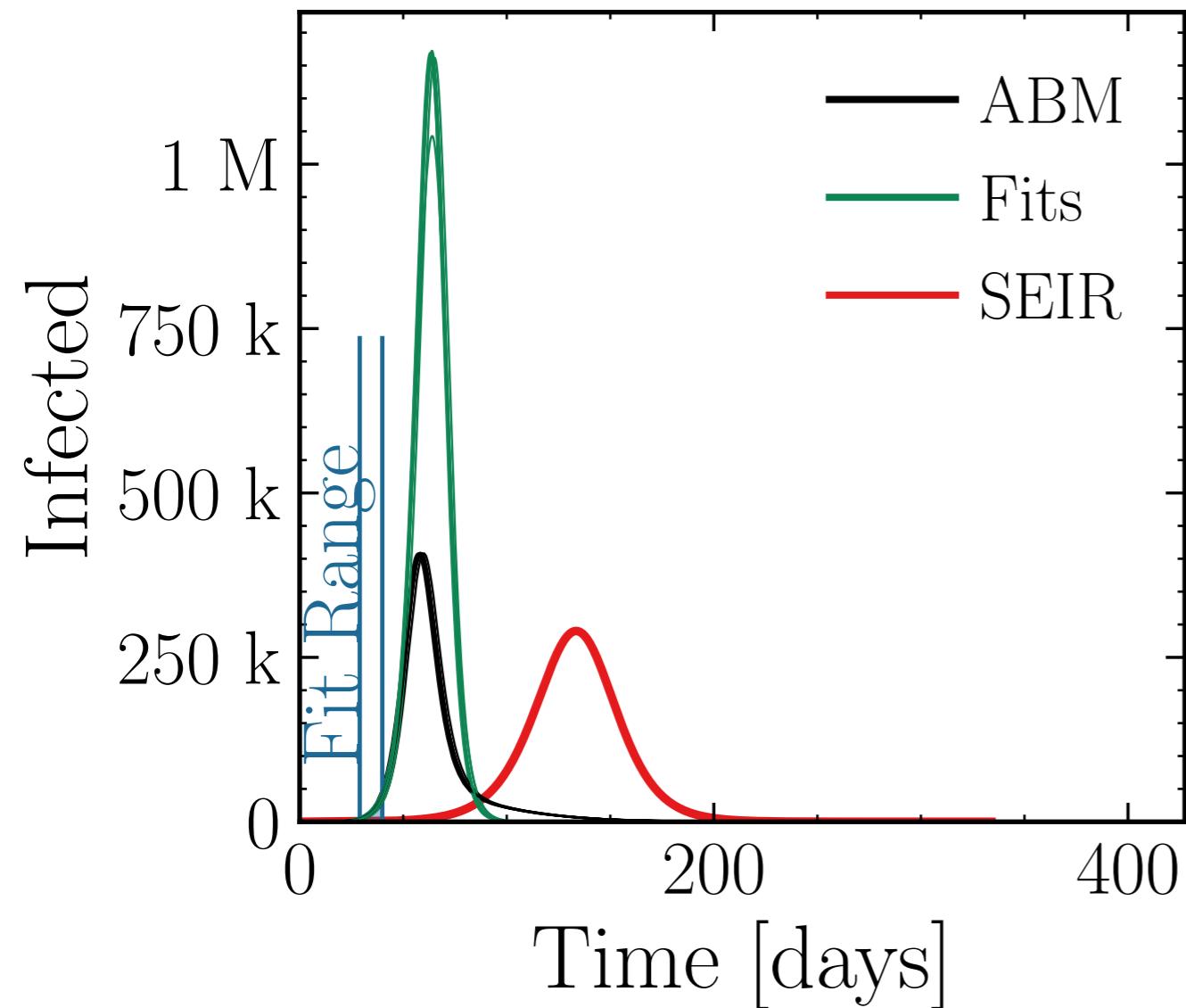
$$I_{\text{max}}^{\text{fit}} = (1.15 \pm 1.0\%) \cdot 10^6$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 2.82 \pm 0.028$$

$$\text{v.} = 1.0, \text{hash} = \text{ec321c667d}, \#10$$

$$R_{\infty}^{\text{fit}} = (5.52 \pm 0.18\%) \cdot 10^6$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 2.204 \pm 0.0043$$



$N_{\text{tot}} = 5.8M$, $\rho = 0.075$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$

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

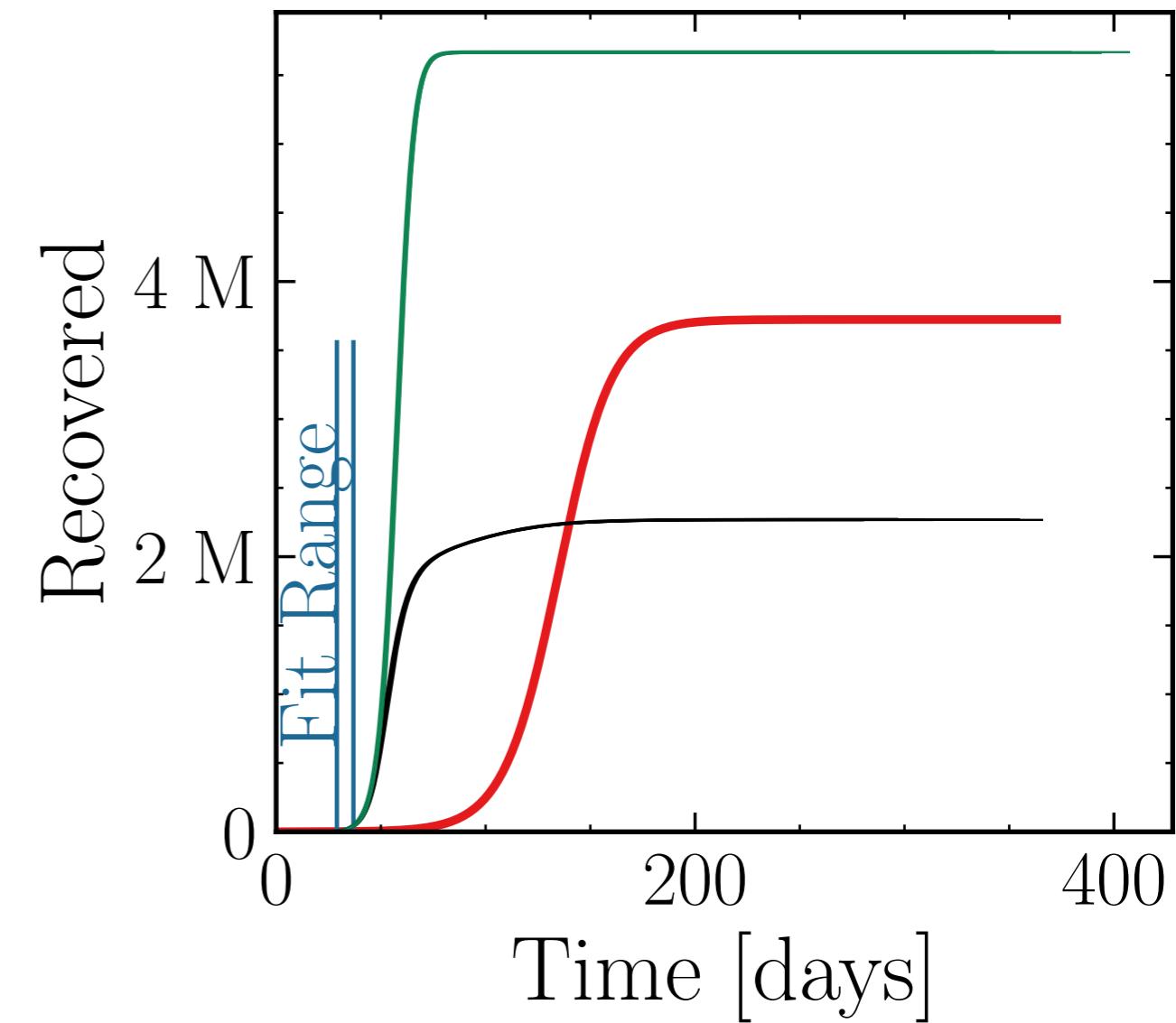
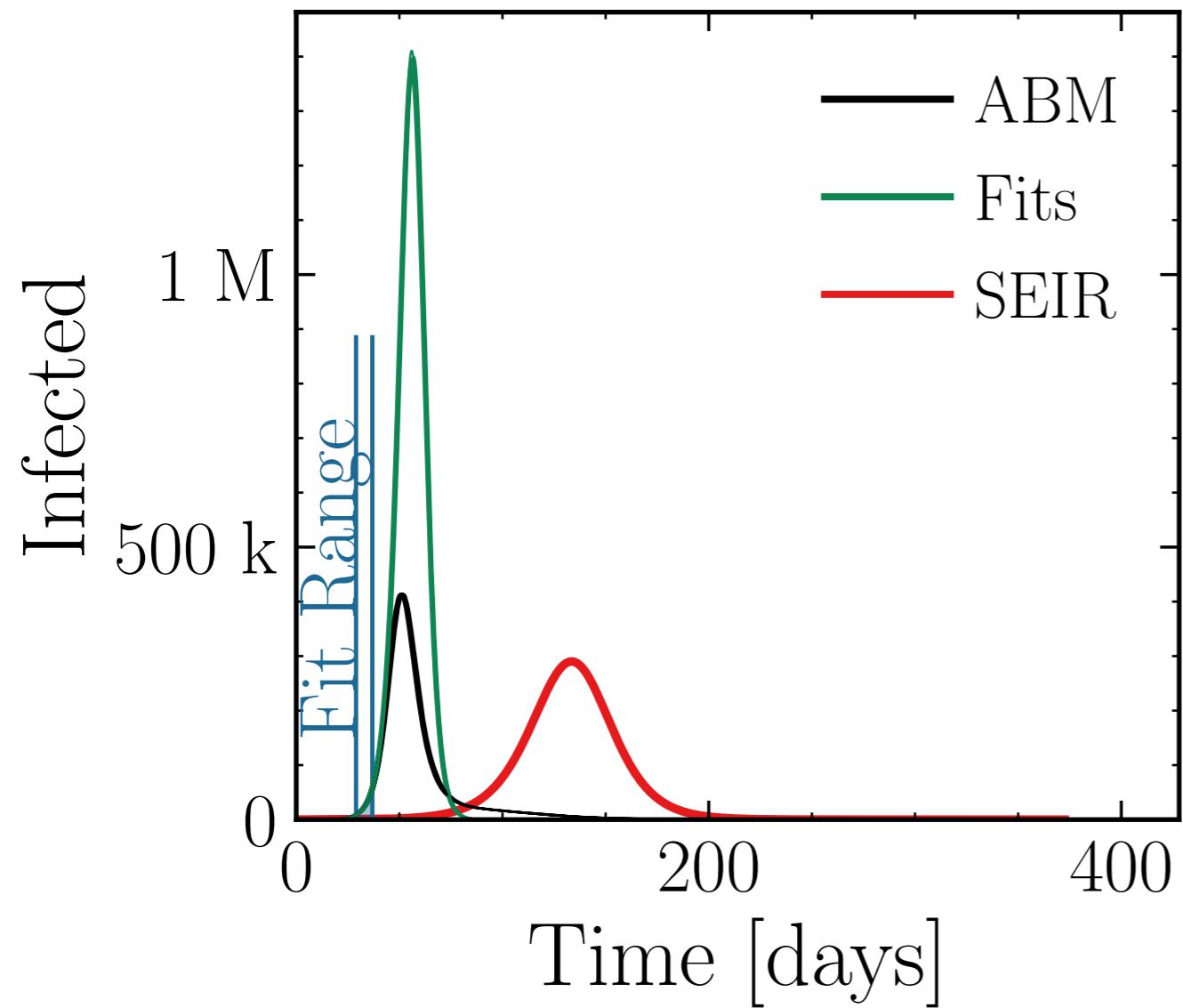
$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

$$I_{\text{max}}^{\text{fit}} = (1.394 \pm 0.18\%) \cdot 10^6$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 3.367 \pm 0.0069$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (5.666 \pm 0.024\%) \cdot 10^6$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{fit}}} = 2.497 \pm 0.0010$$



$N_{\text{tot}} = 5.8M$, $\rho = 0.15$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, 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_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β scaling} = 10.0, event_{weekendmultiplier} = 1.0

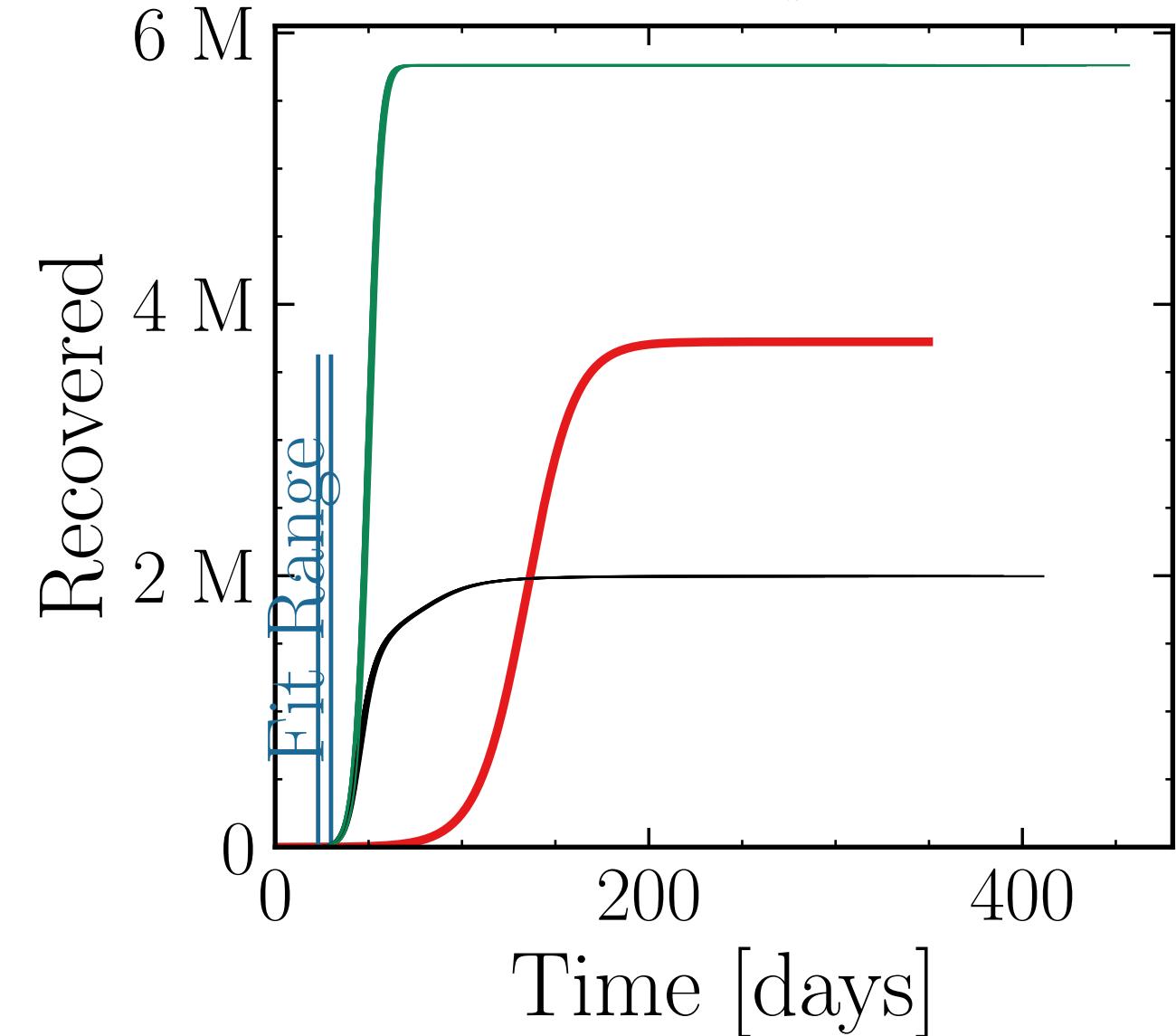
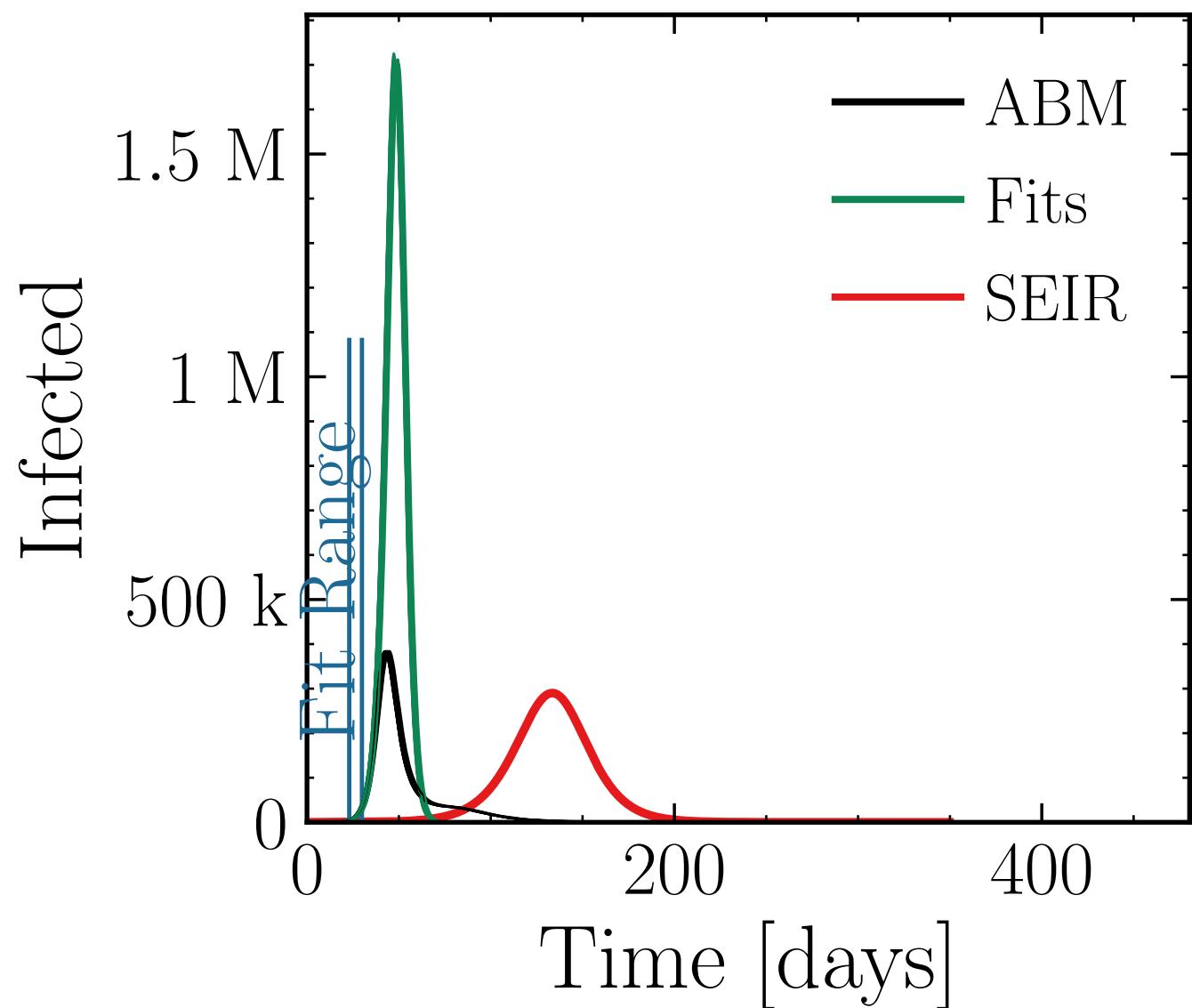
$$I_{\text{max}}^{\text{fit}} = (1.711 \pm 0.13\%) \cdot 10^6$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 4.457 \pm 0.0066$$

$$v. = 1.0, \text{hash} = \text{a91f50ad49}, \#10$$

$$R_{\infty}^{\text{fit}} = (5.7608 \pm 0.0096\%) \cdot 10^6$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{fit}}} = 2.8855 \pm 0.00076$$



$N_{\text{tot}} = 5.8M$, $\rho = 0.2$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, 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_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β scaling} = 10.0, event_{weekendmultiplier} = 1.0

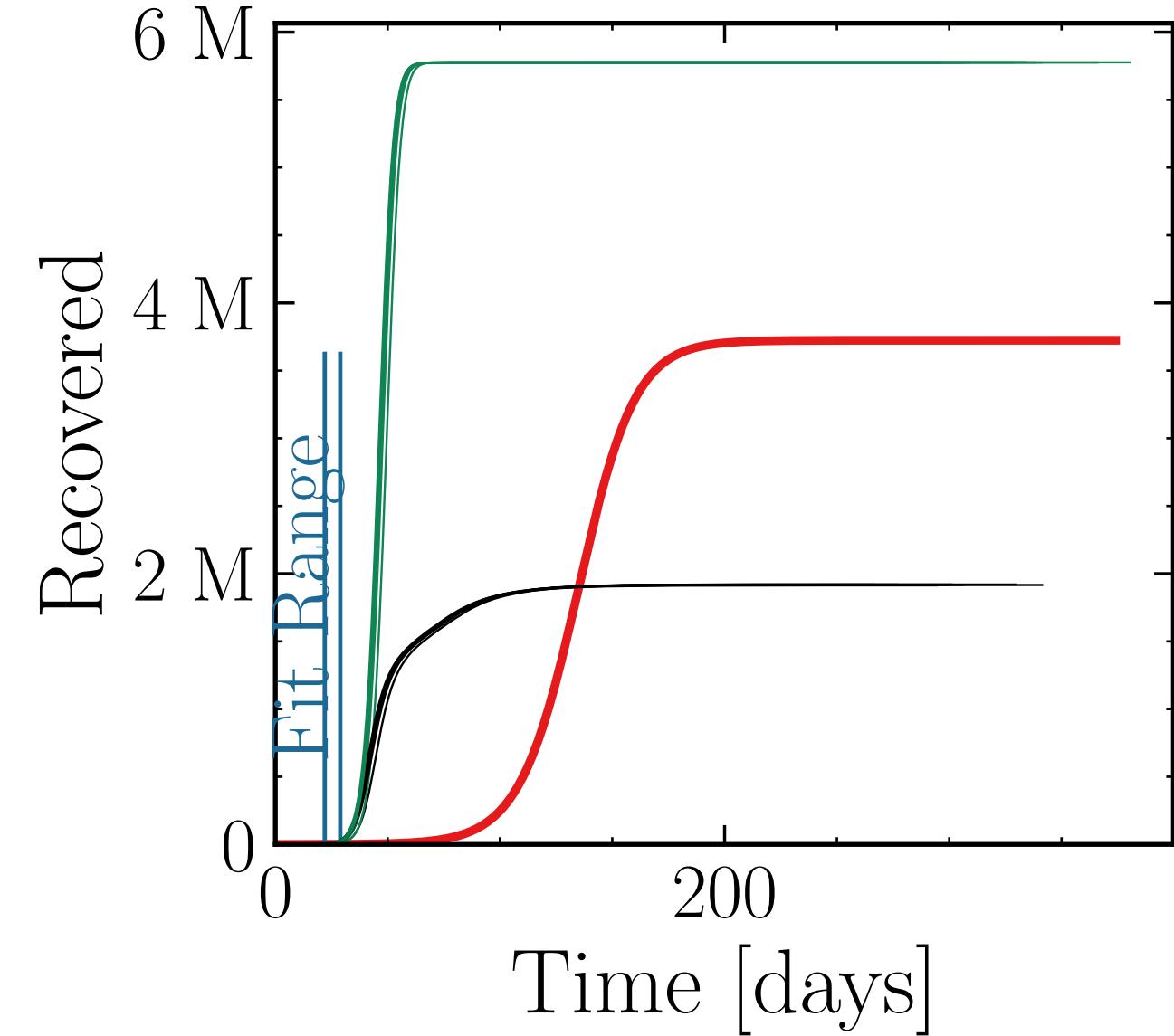
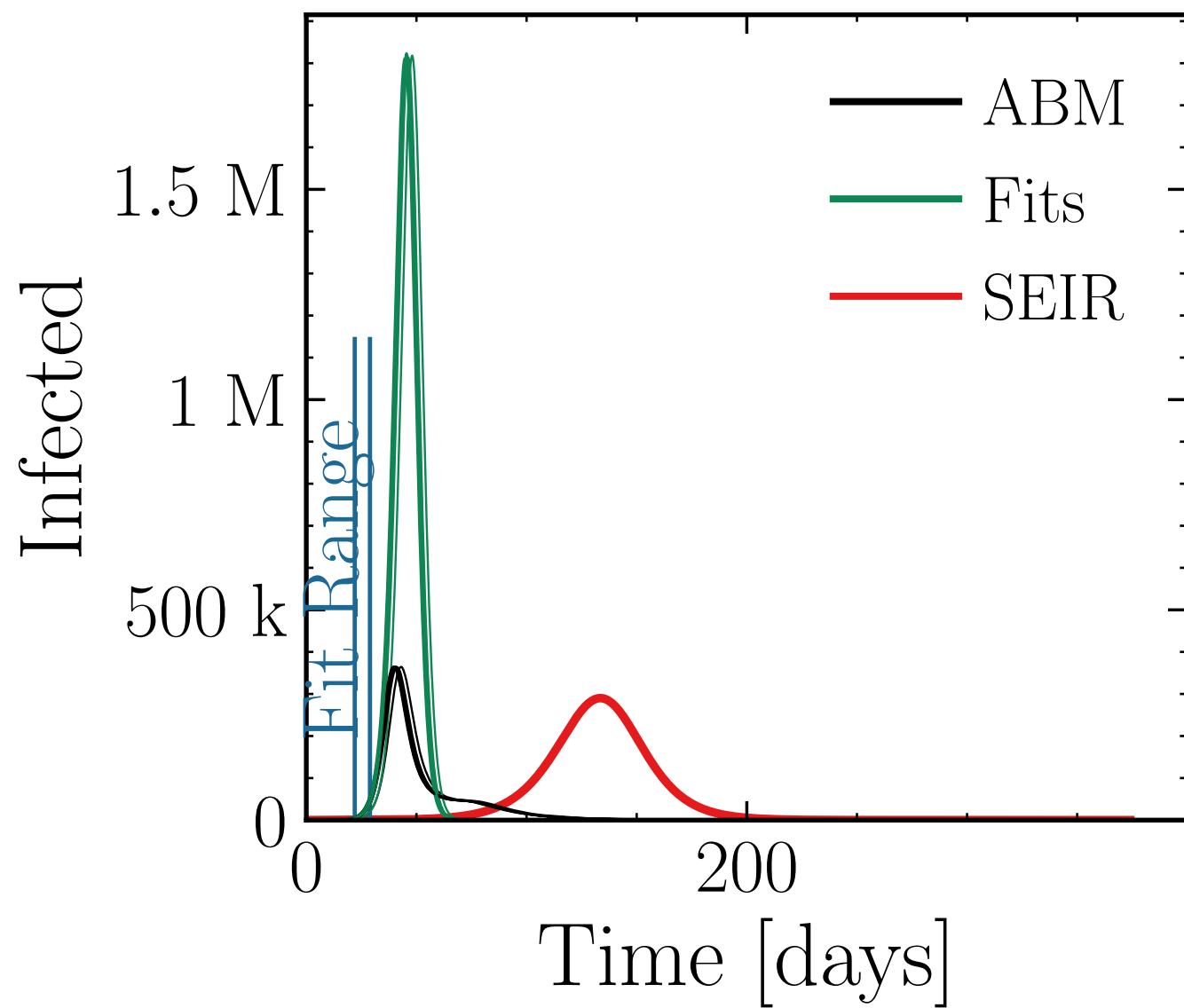
$$I_{\text{max}}^{\text{fit}} = (1.813 \pm 0.11\%) \cdot 10^6$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 4.977 \pm 0.0064$$

$$\text{v.} = 1.0, \text{hash} = \text{a5c940b86b}, \#10$$

$$R_{\infty}^{\text{fit}} = (5.7761 \pm 0.0065\%) \cdot 10^6$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 3.012 \pm 0.0010$$



$N_{\text{tot}} = 5.8M$, $\rho = 0.25$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, 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_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β scaling} = 10.0, event_{weekendmultiplier} = 1.0

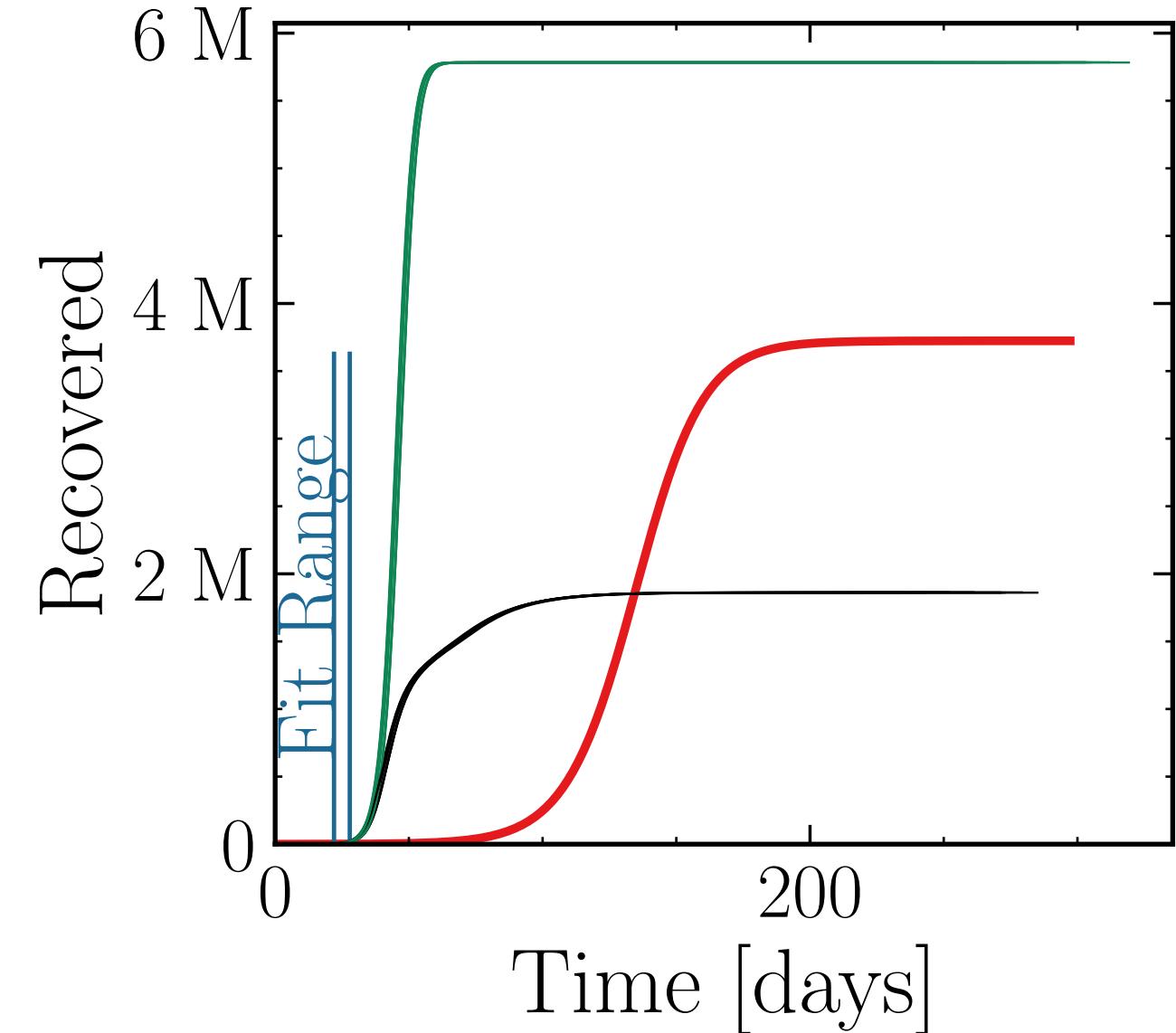
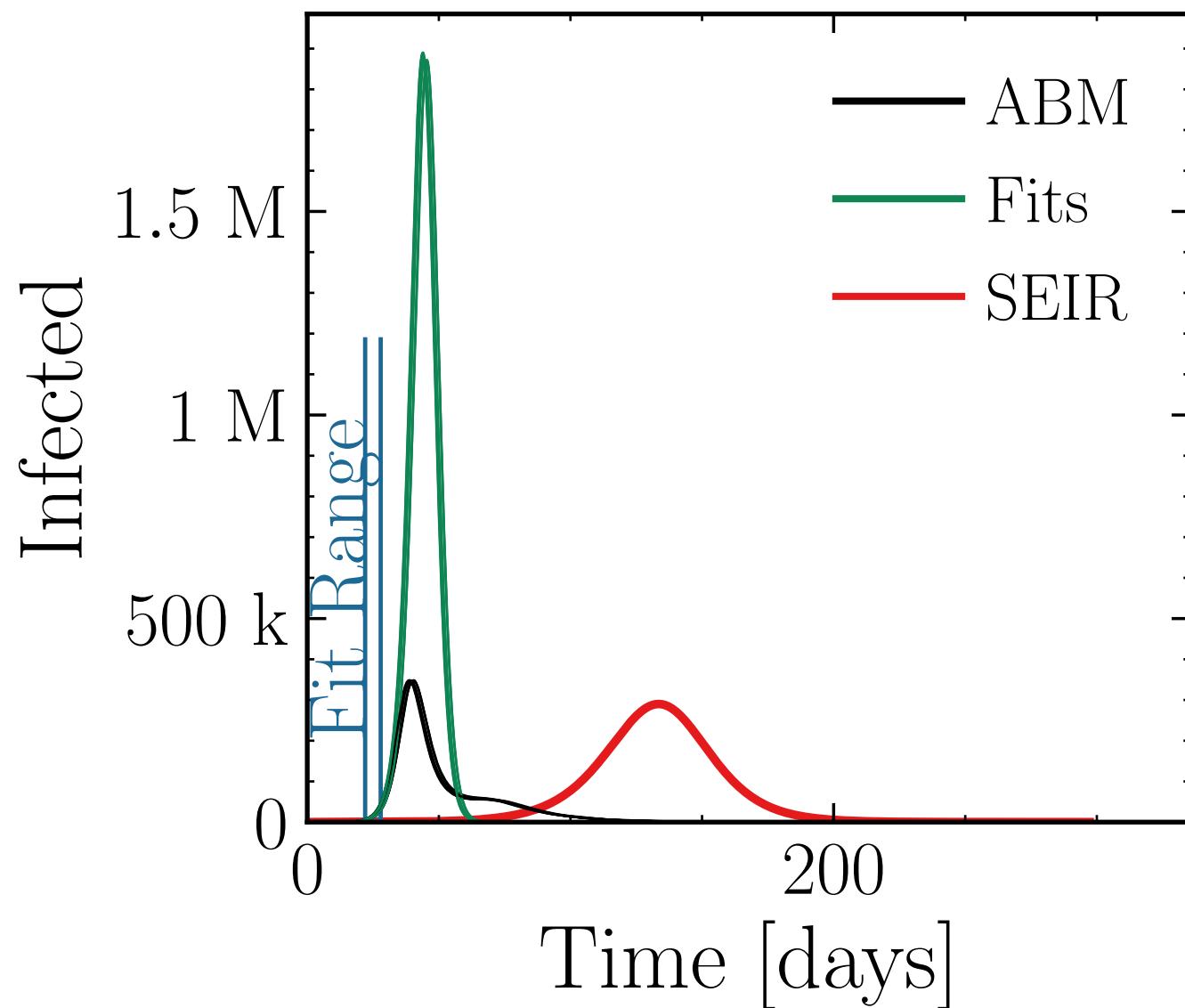
$$I_{\text{max}}^{\text{fit}} = (1.879 \pm 0.14\%) \cdot 10^6$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{ABM}}^{\text{fit}}} = 5.401 \pm 0.0077$$

$$\text{v.} = 1.0, \text{hash} = \text{a77df9ad74}\#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (5.7833 \pm 0.0053\%) \cdot 10^6$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{fit}}} = 3.1062 \pm 0.00061$$



$N_{\text{tot}} = 5.8M$, $\rho = 0.3$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, 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_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β scaling} = 10.0, event_{weekendmultiplier} = 1.0

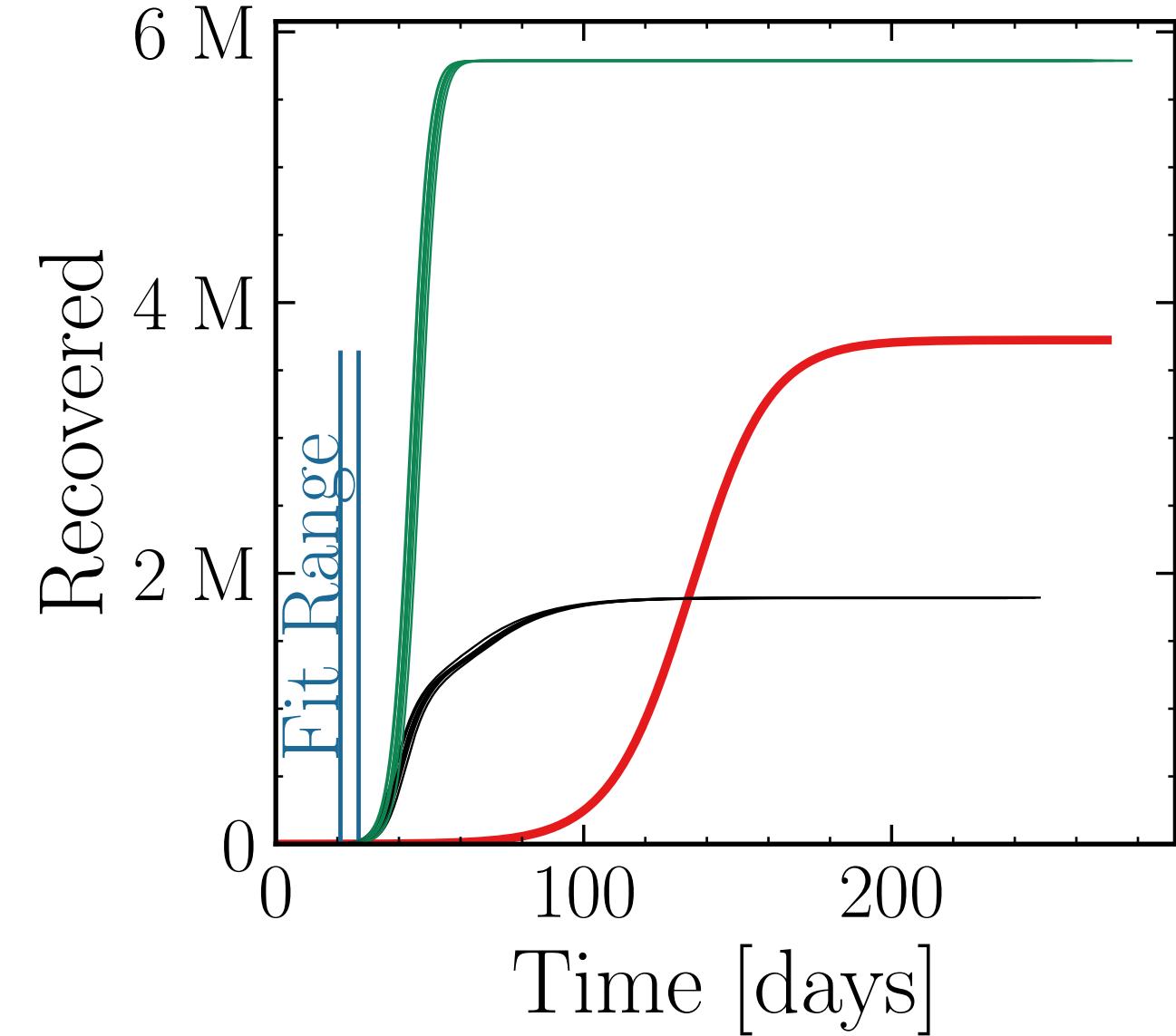
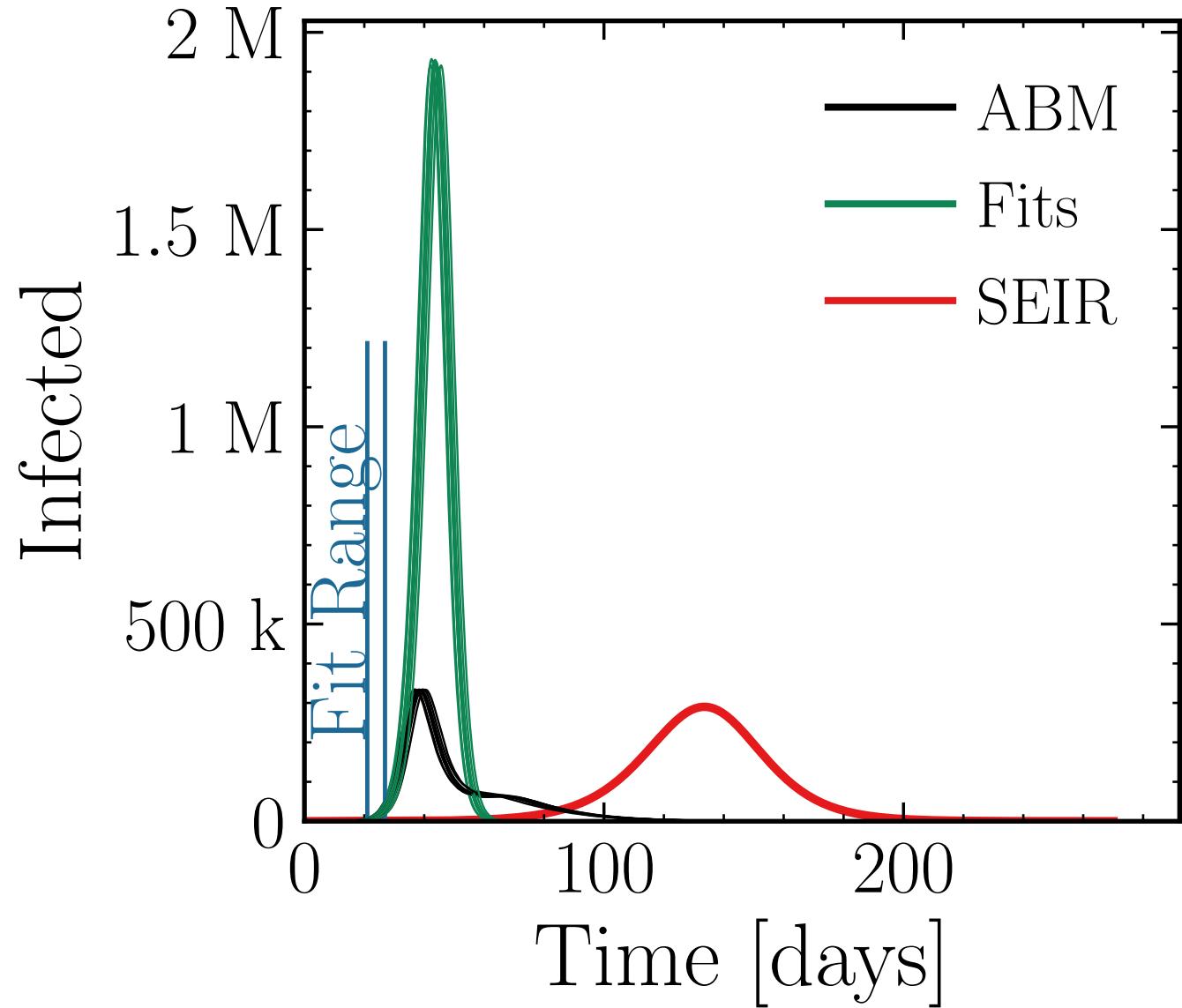
$$I_{\text{max}}^{\text{fit}} = (1.923 \pm 0.11\%) \cdot 10^6$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{ABM}}^{\text{max}}} = 5.763 \pm 0.0083$$

$$\text{v.} = 1.0, \text{hash} = 30f2c46176, \#10$$

$$R_{\infty}^{\text{fit}} = (3.787 \pm 0.0039\%) \cdot 10^6$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 3.1803 \pm 0.00074$$



$N_{\text{tot}} = 5.8M$, $\rho = 0.4$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, 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_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β scaling} = 10.0, event_{weekendmultiplier} = 1.0

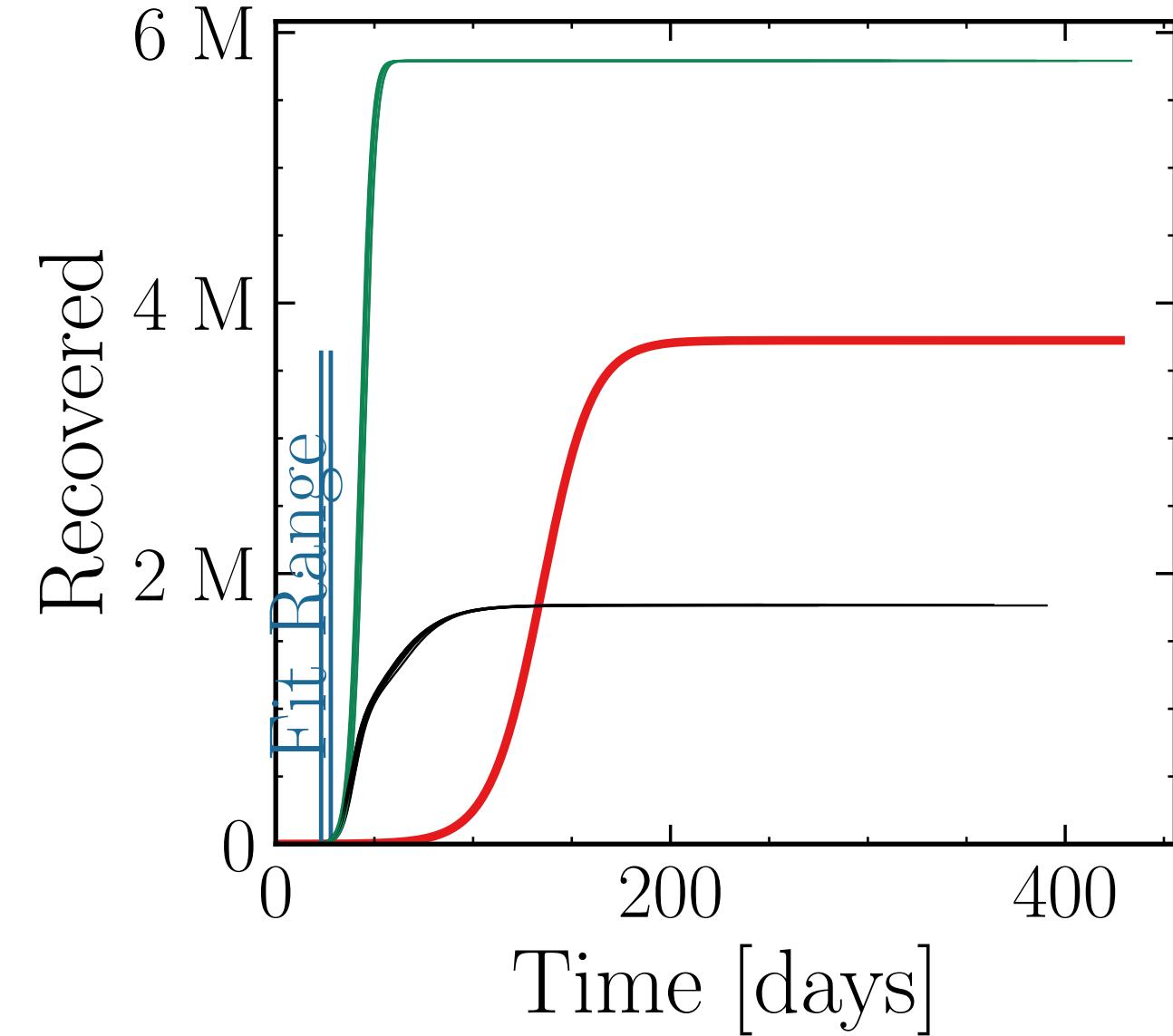
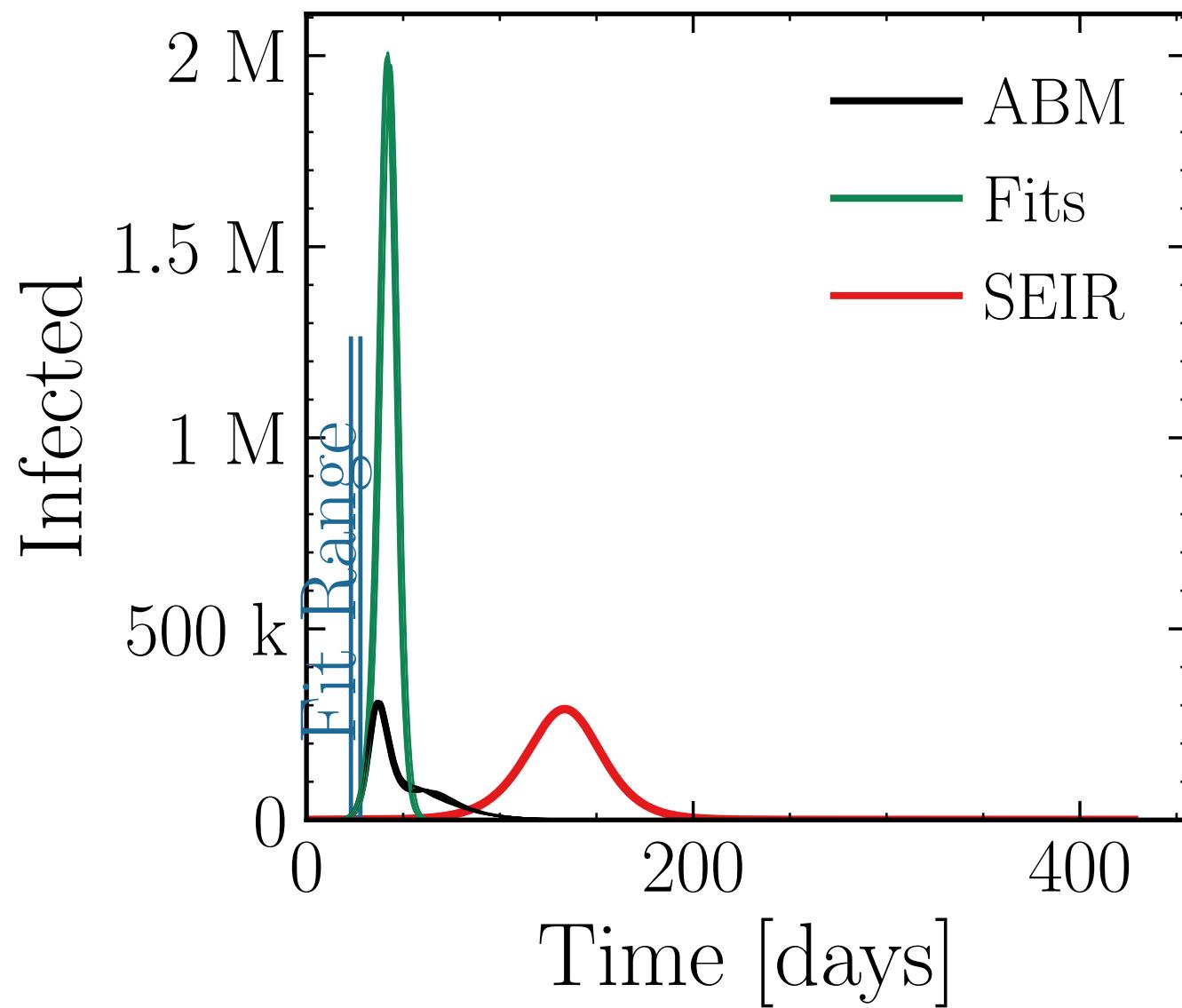
$$I_{\text{max}}^{\text{fit}} = (1.987 \pm 0.17\%) \cdot 10^6$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 6.41 \pm 0.013$$

$$\text{v.} = 1.0, \text{hash} = 7e51146dd6, \#10$$

$$R_{\infty}^{\text{fit}} = (5.7913 \pm 0.0041\%) \cdot 10^6$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{fit}}} = 3.277 \pm 0.0013$$



$N_{\text{tot}} = 5.8M$, $\rho = 0.5$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, 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_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β scaling} = 10.0, event_{weekendmultiplier} = 1.0

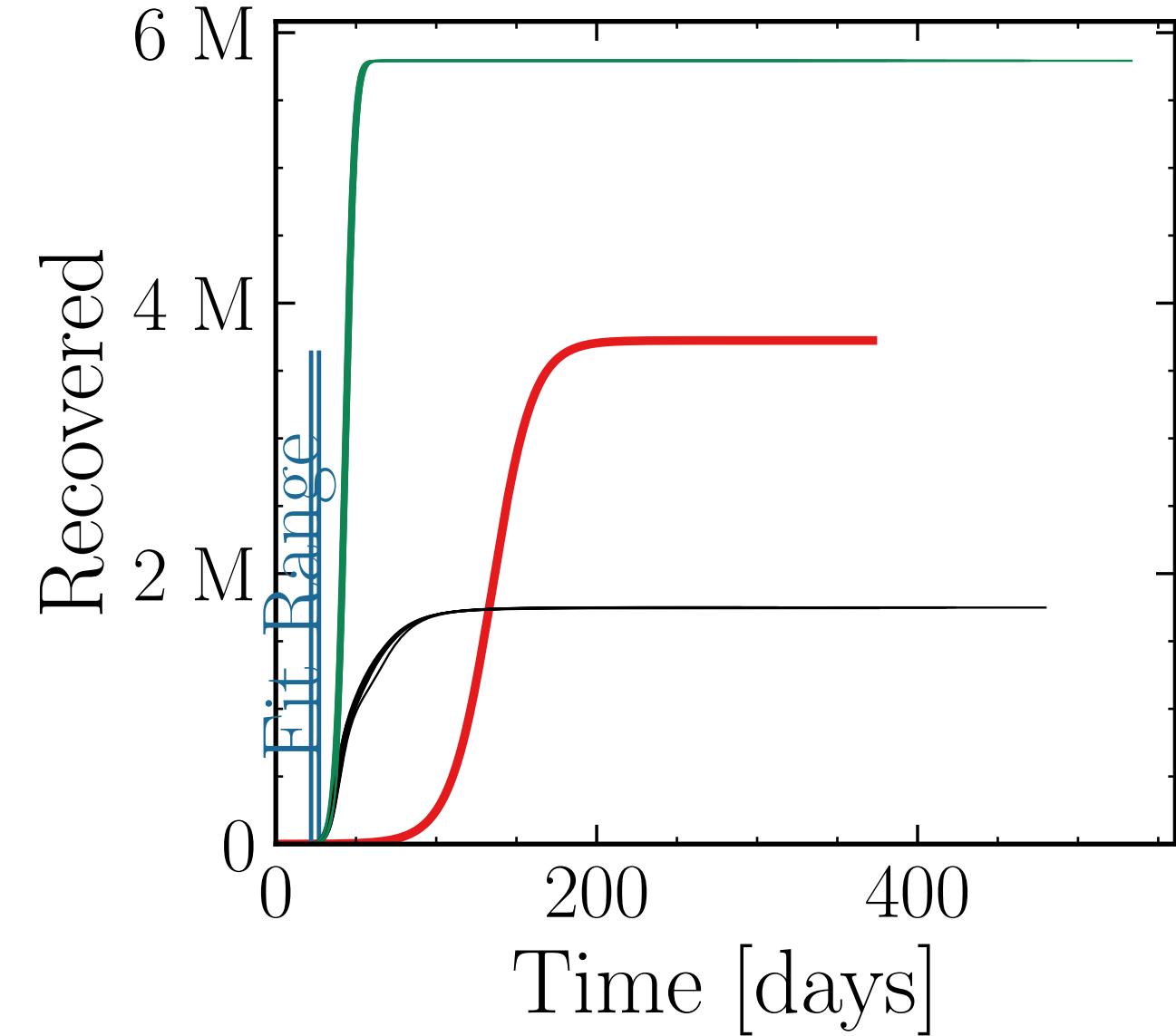
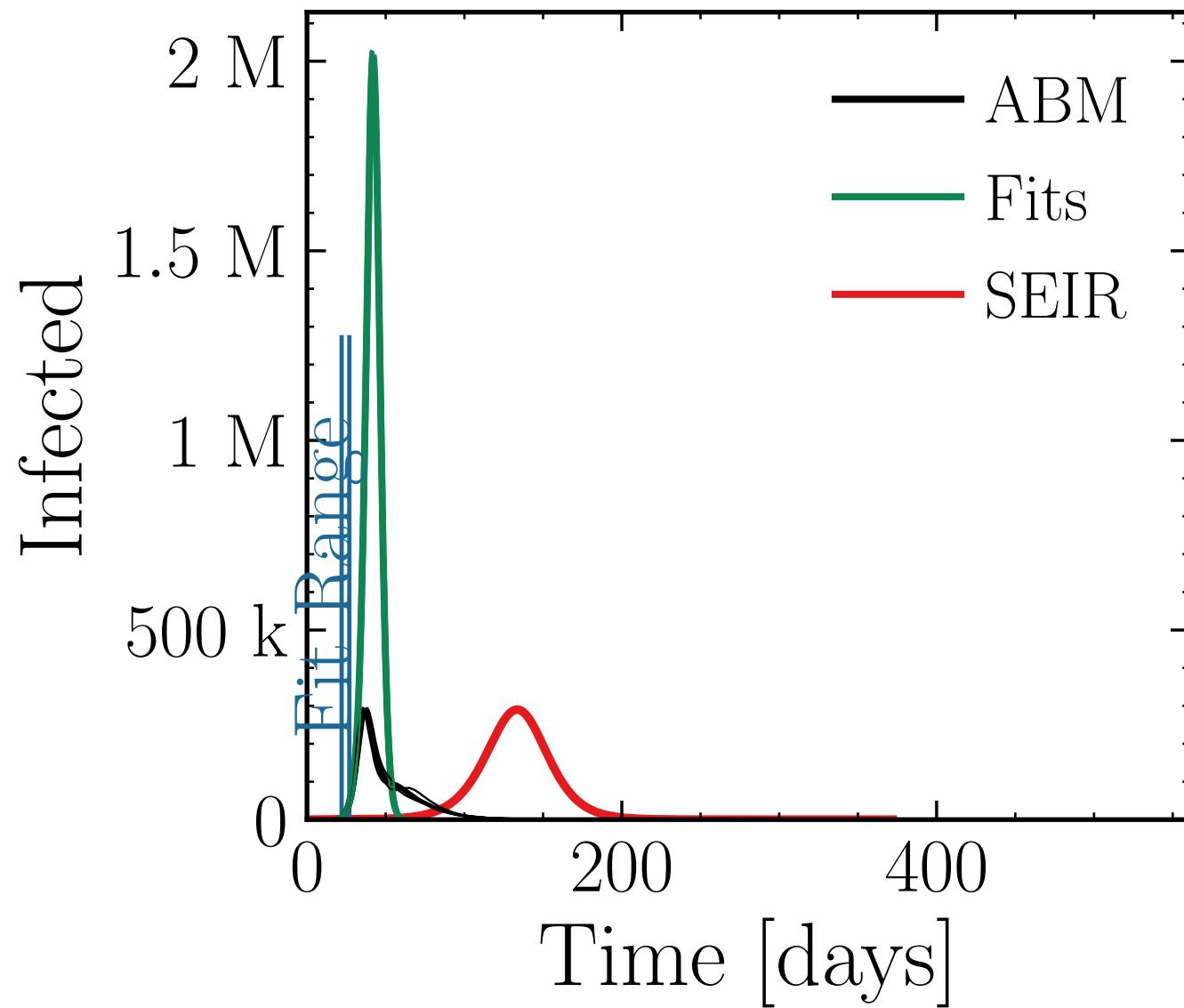
$$I_{\text{max}}^{\text{fit}} = (2.014 \pm 0.15\%) \cdot 10^6$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 6.9 \pm 0.019$$

$$\text{v.} = 1.0$$

$$\text{hash} = 22\text{ed752295}, \#10, (5.7927 \pm 0.0032\%) \cdot 10^6$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 3.313 \pm 0.0011$$



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

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

$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

$$I_{\text{max}}^{\text{fit}} = (537 \pm 0.62\%) \cdot 10^3$$

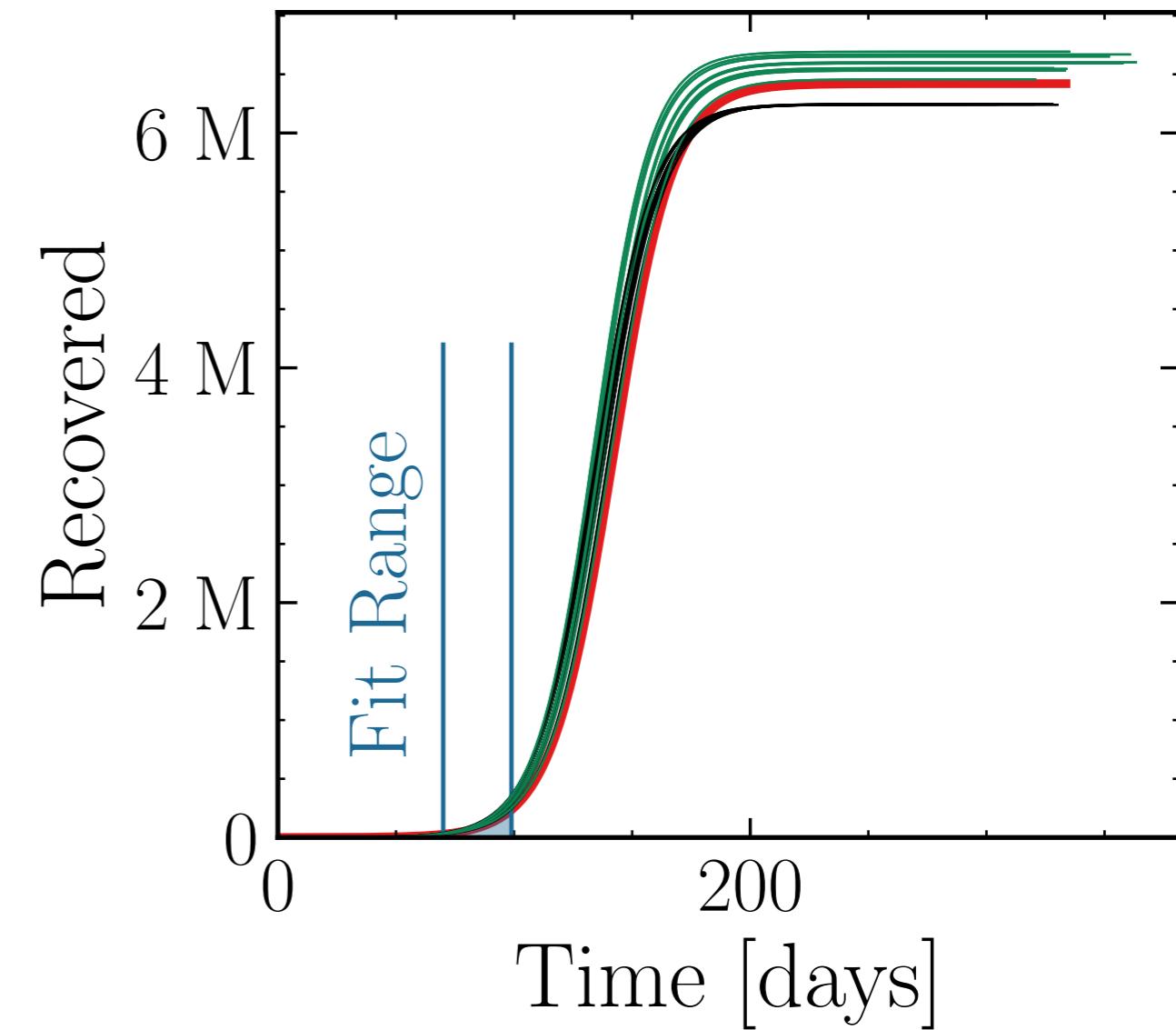
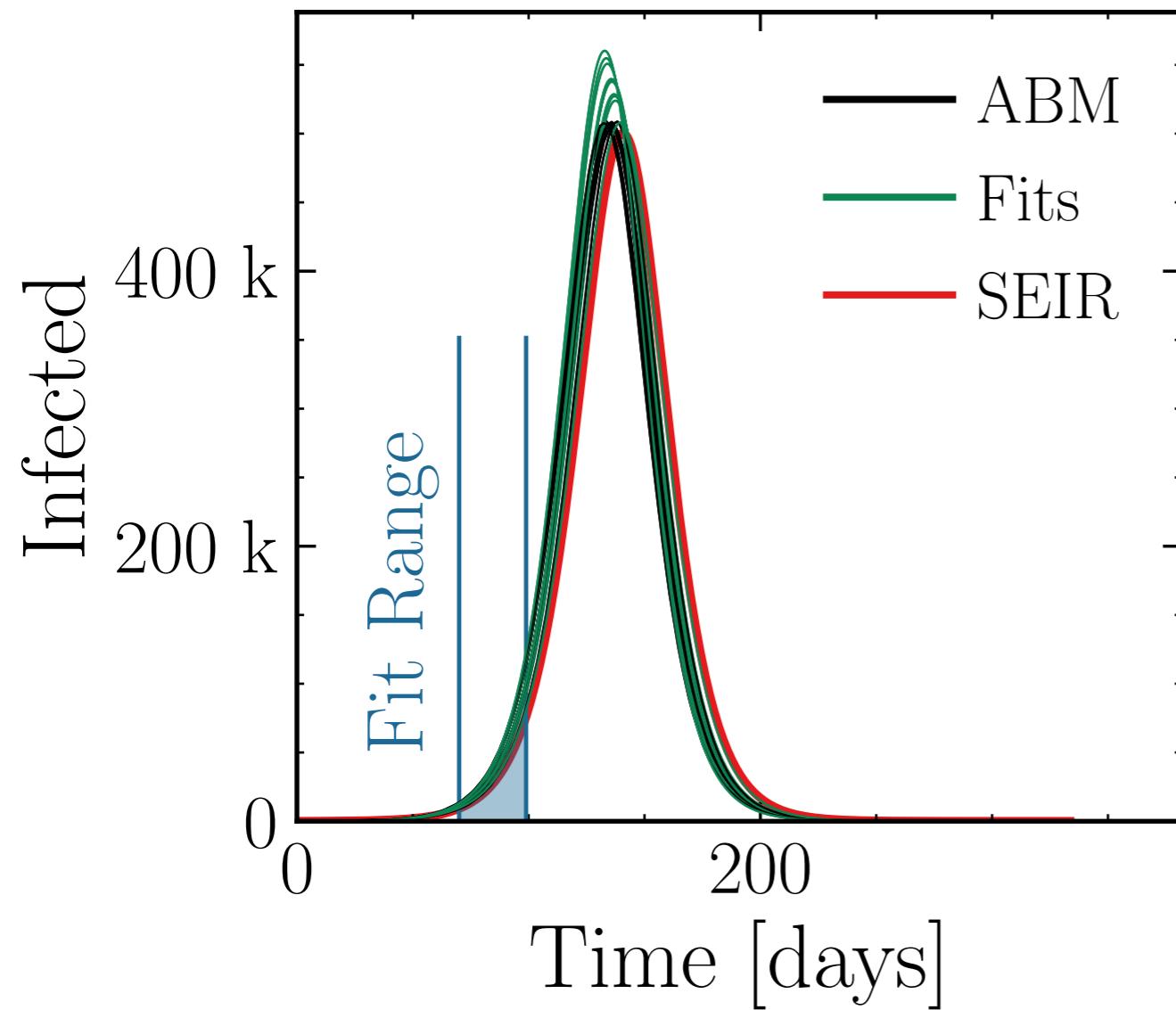
$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1.059 \pm 0.0067$$

$$v. = 1.0$$

$$\text{hash} = \text{a833d13371}\#\#20$$

$$R_{\infty}^{\text{fit}} = (6.59 \pm 0.23\%) \cdot 10^6$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{fit}}} = 1.055 \pm 0.0024$$



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

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

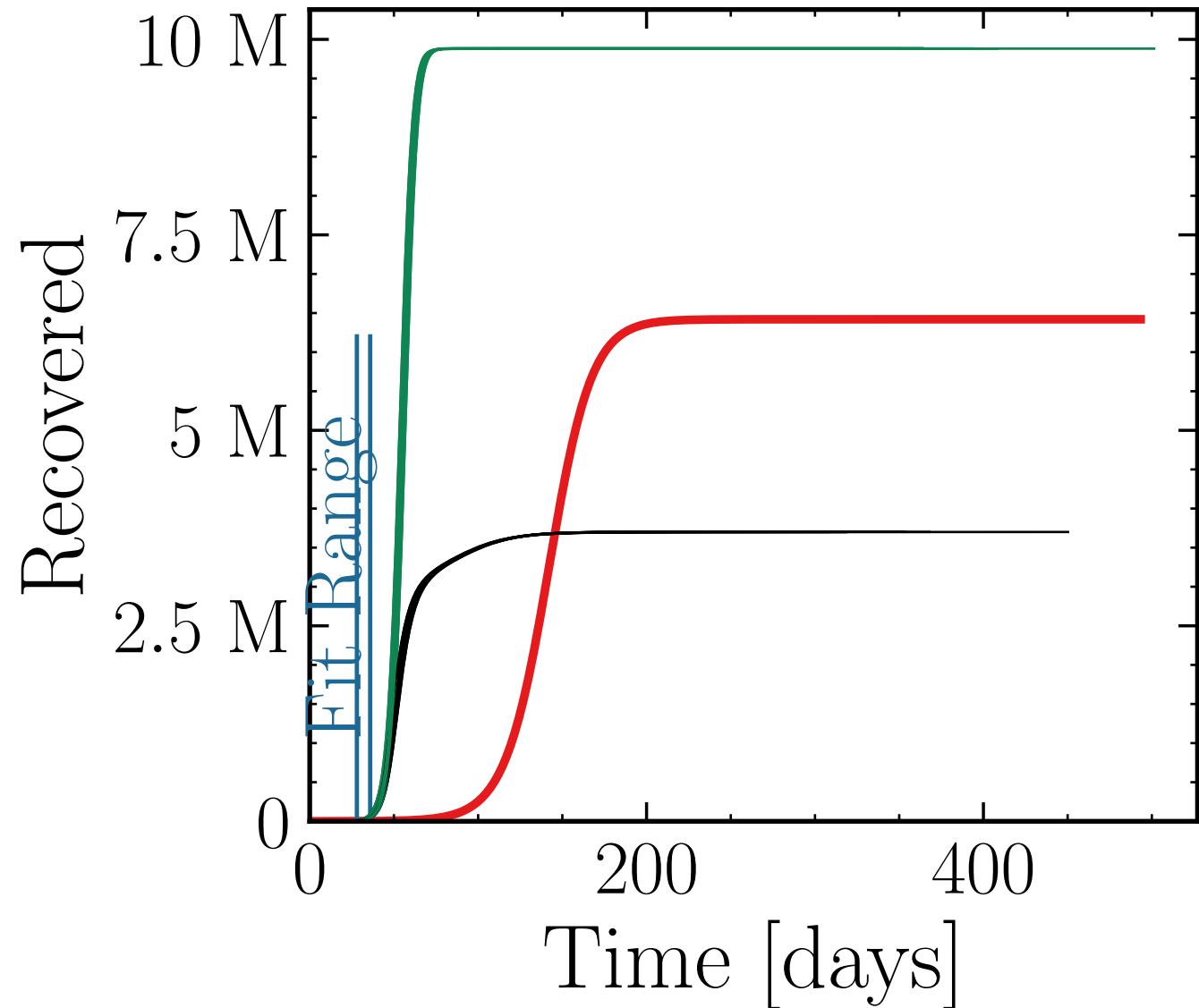
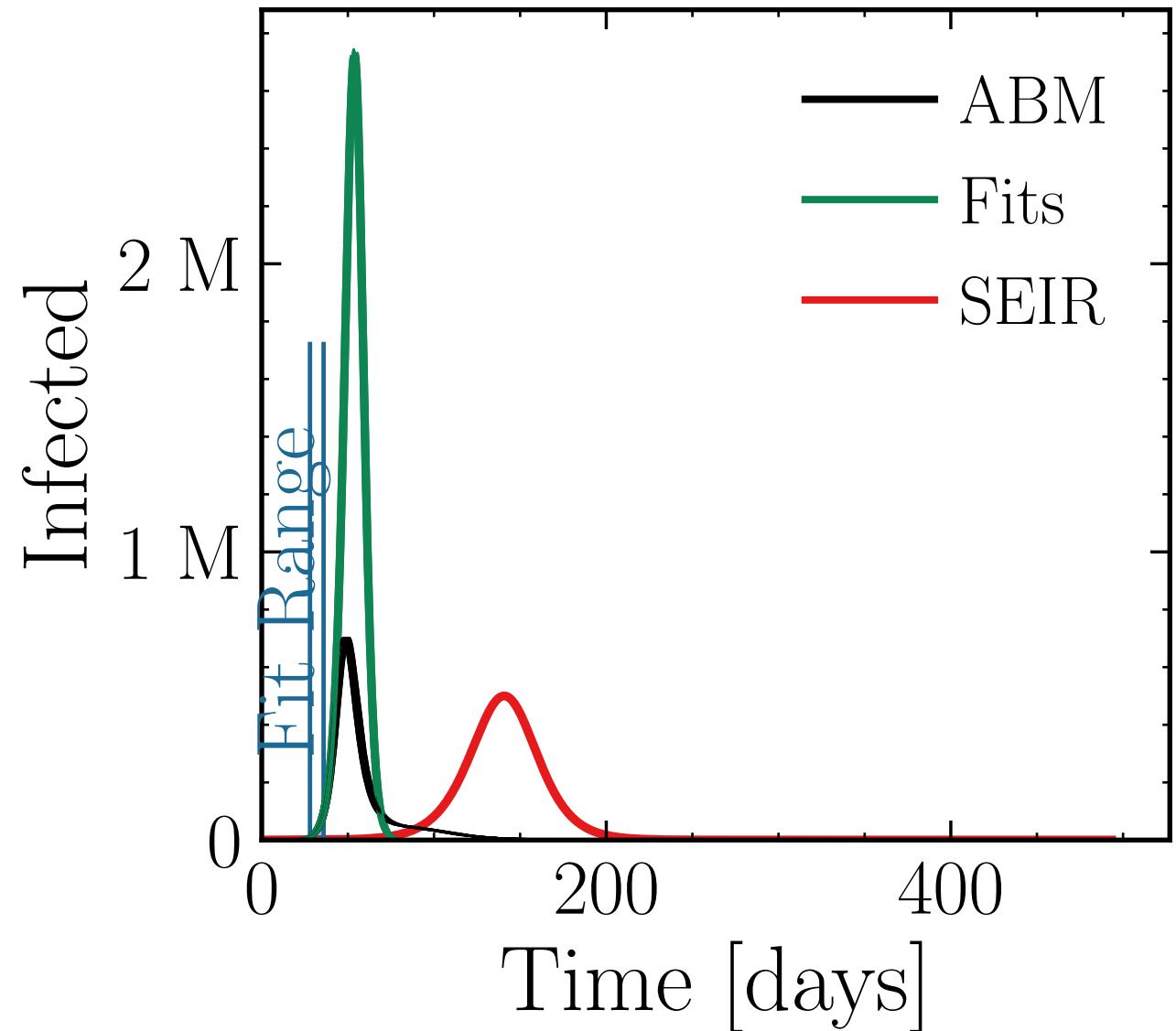
$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β scaling} = 10.0, event_{weekendmultiplier} = 1.0

$$I_{\text{max}}^{\text{fit}} = (2.726 \pm 0.08\%) \cdot 10^6$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 3.885 \pm 0.0026 \text{ v.} = 1.0, \text{ hash} = 97b17a3ff3, \#20$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (9.8825 \pm 0.0075\%) \cdot 10^6$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 2.6697 \pm 0.00038$$



$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.0$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.007$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$

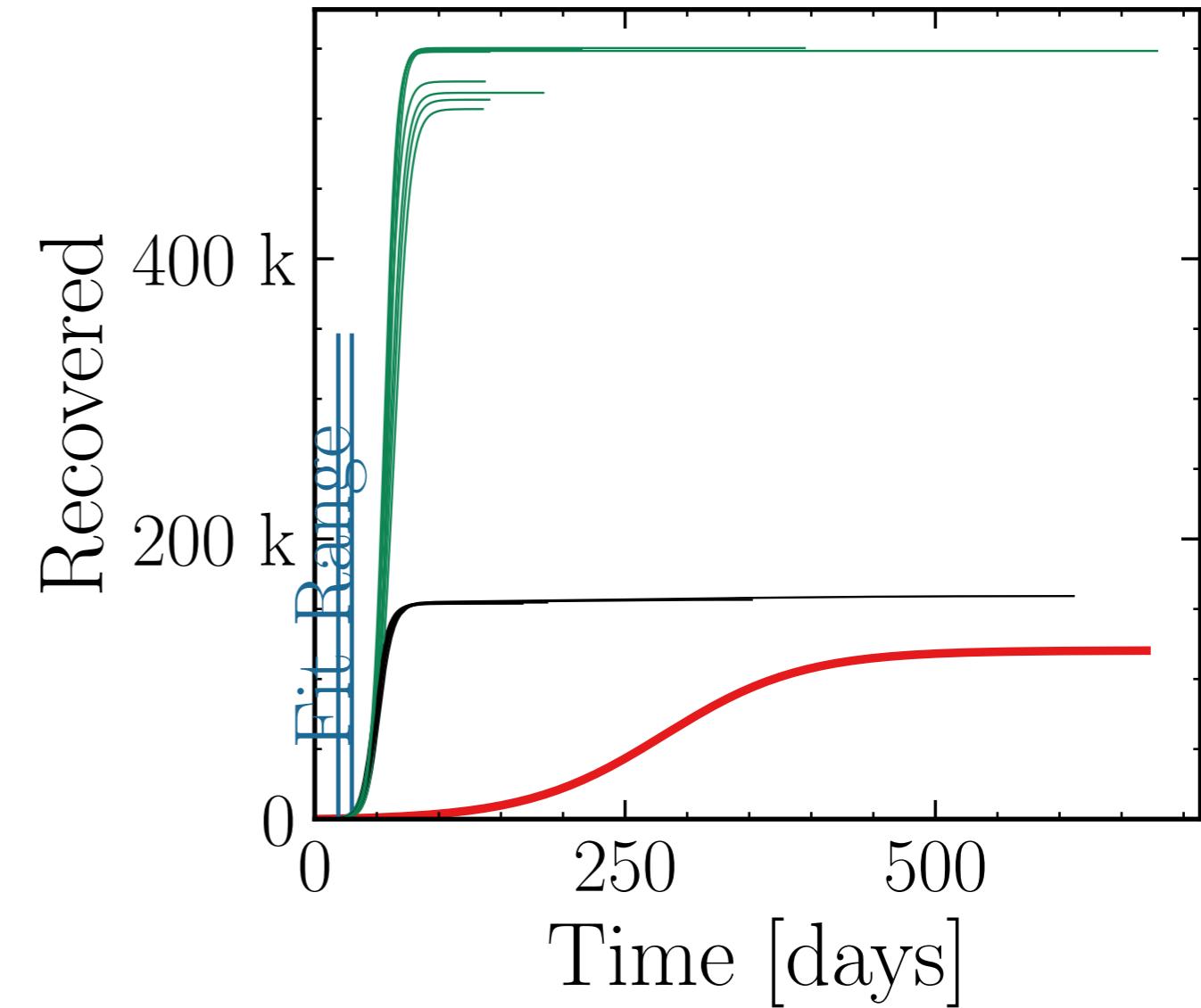
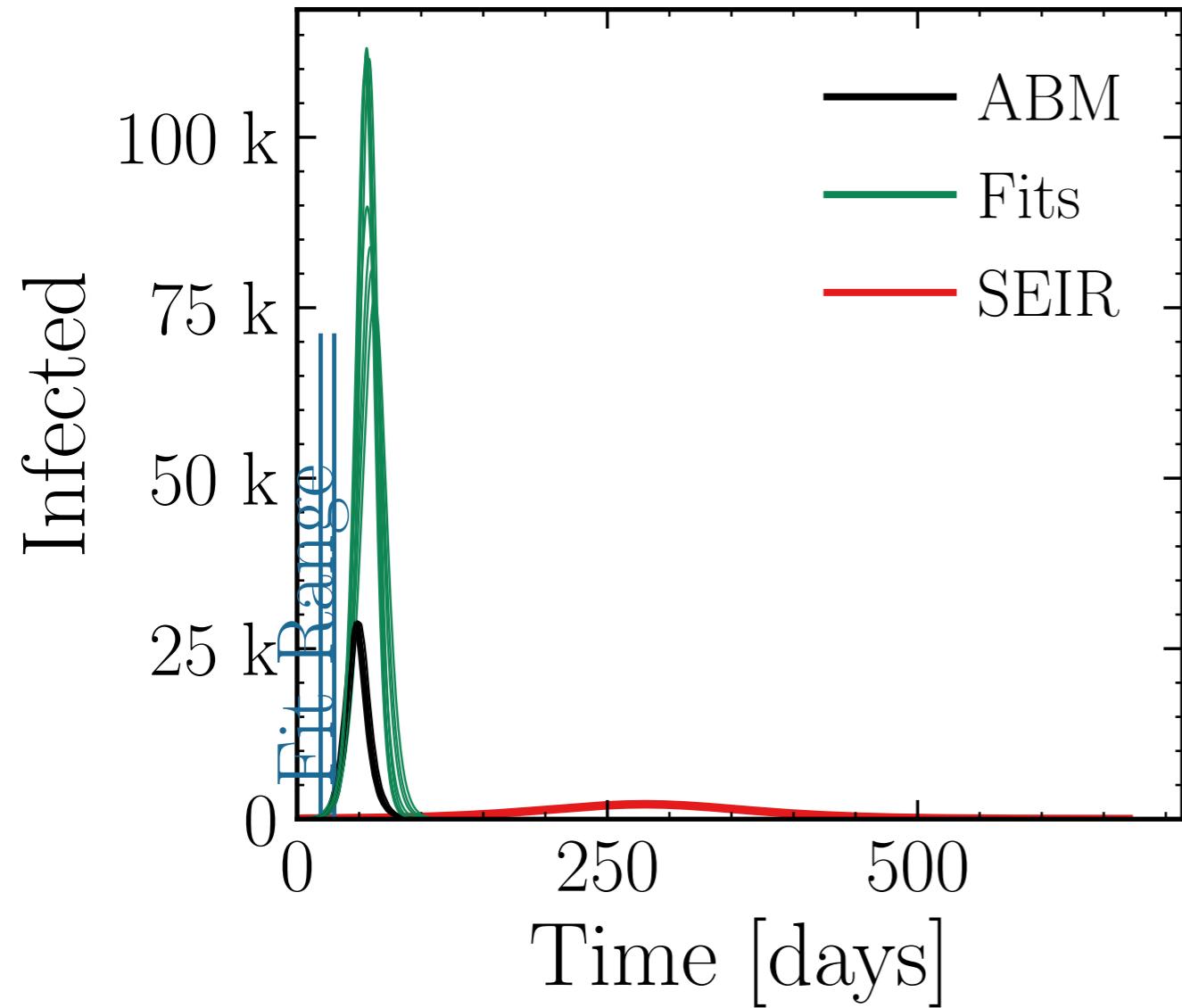
$\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{connect}}^{\text{connect}} = 0$

$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

$$I_{\text{max}}^{\text{fit}} = (100 \pm 4.6\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 3.5 \pm 0.16 \quad v. = 1.0, \text{hash} = 8e6737dd2a, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (536 \pm 0.99\%) \cdot 10^3 \quad \frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{fit}}} = 3.46 \pm 0.031$$



$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.0$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.007$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$

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

$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

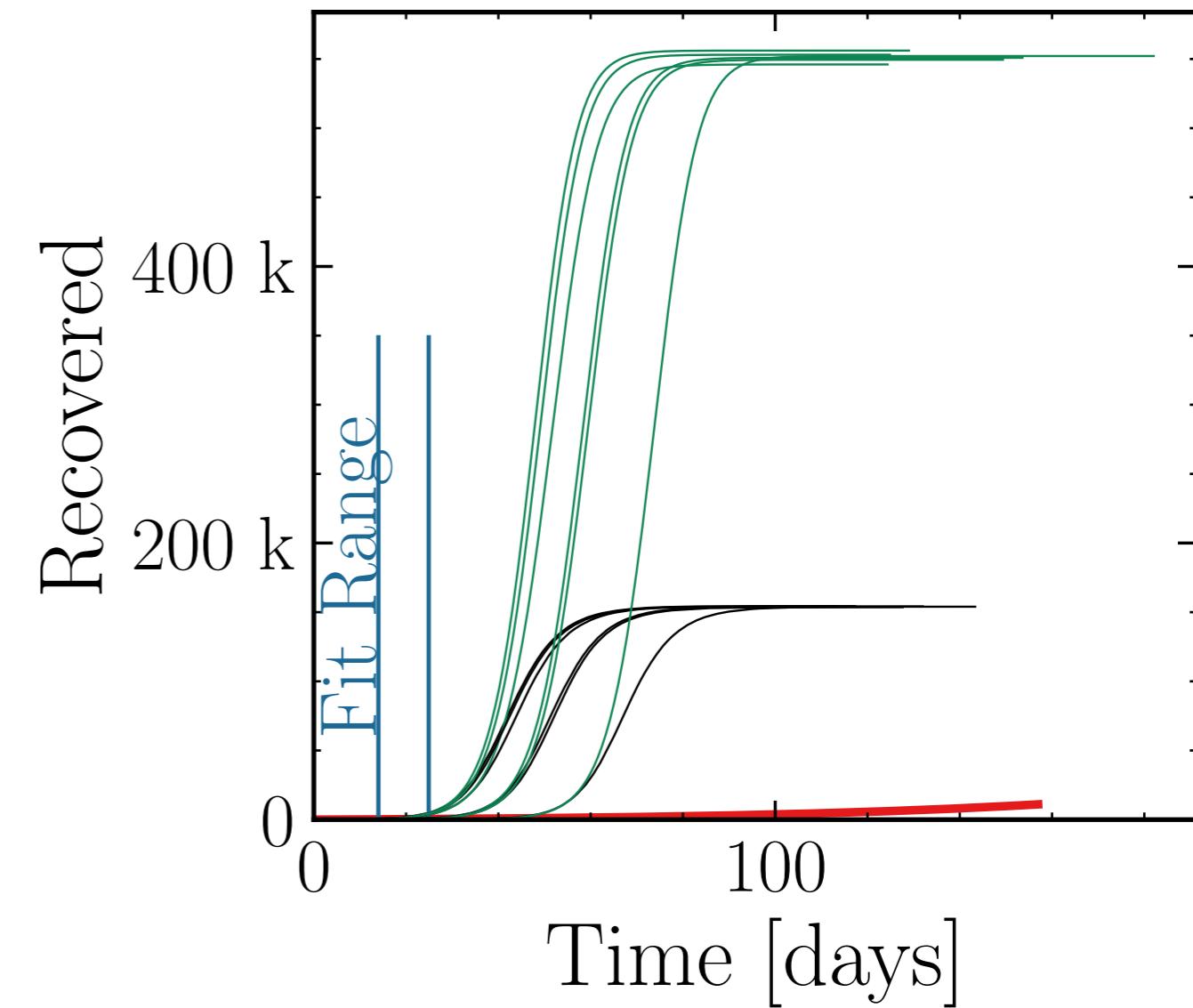
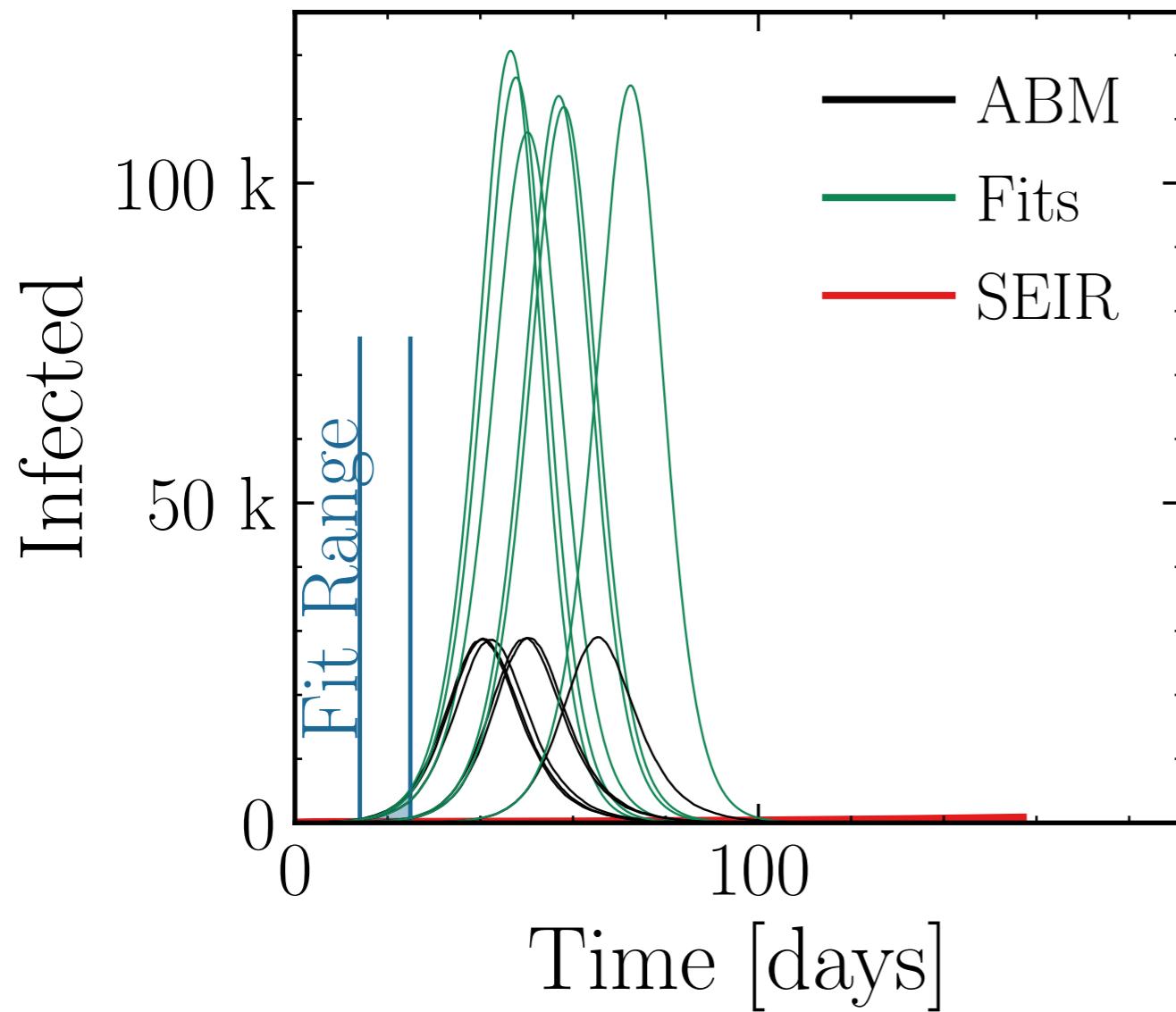
$$I_{\text{max}}^{\text{fit}} = (114 \pm 1.4\%) \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 3.97 \pm 0.056$$

$$\text{v.} = 1.0, \text{hash} = 232844f316, \#6$$

$$R_{\infty}^{\text{fit}} = (551 \pm 0.24\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 3.578 \pm 0.0077$$



$N_{\text{tot}} = 5.8M$, $\rho = 0.1$, $\epsilon_\rho = 0.0$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.007$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$

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

$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

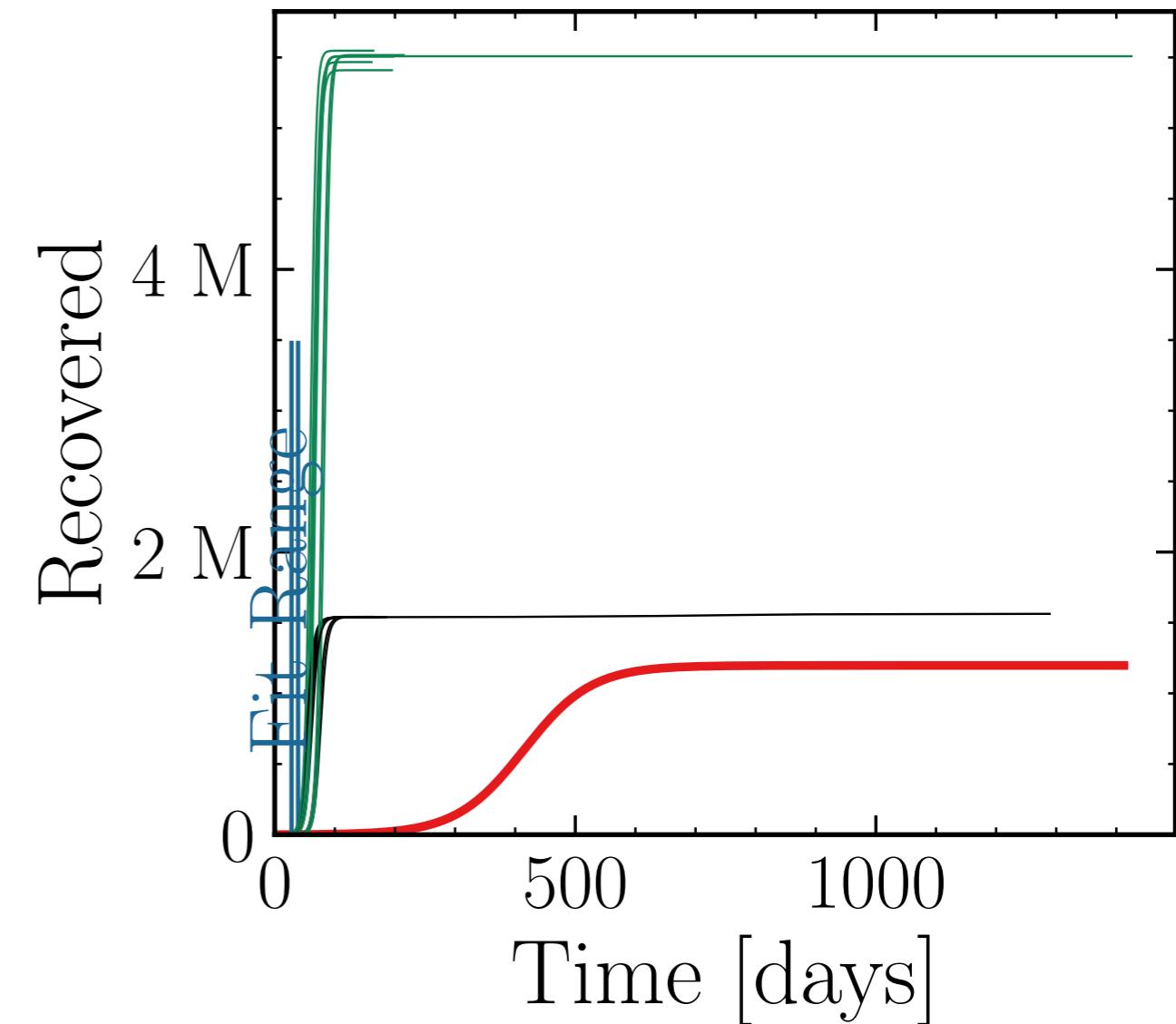
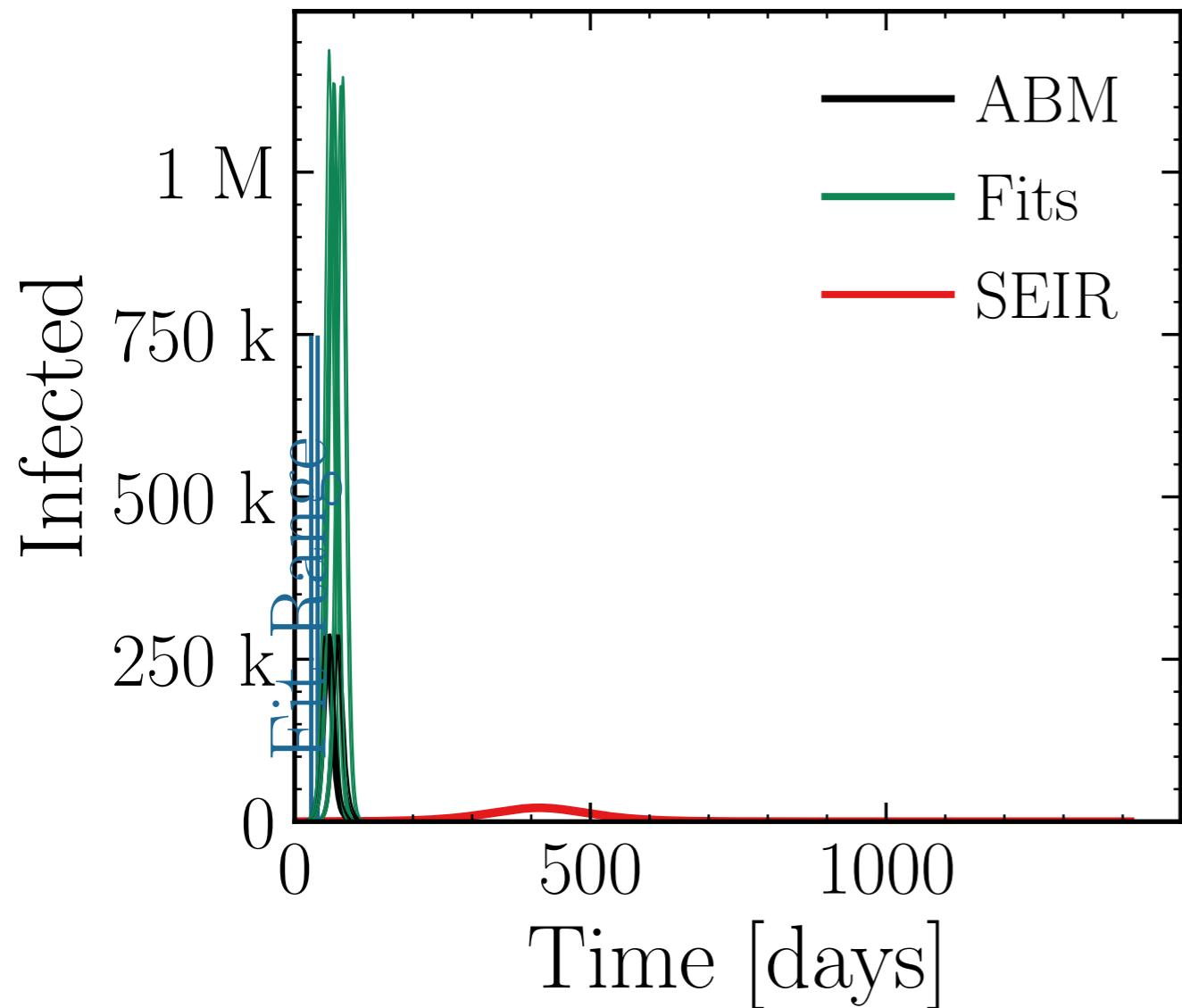
$$I_{\text{max}}^{\text{fit}} = (1.12 \pm 1.6\%) \cdot 10^6$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 3.9 \pm 0.064$$

$$v. = 1.0, \text{hash} = 5\text{abc7a86c5}, \#7$$

$$R_{\infty}^{\text{fit}} = (5.5 \pm 0.28\%) \cdot 10^6$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 3.56 \pm 0.011$$



$N_{\text{tot}} = 5.8M$, $\rho = 0.1$, $\epsilon_\rho = 0.0$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.007$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$

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

$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β scaling} = 10.0, event_{weekendmultiplier} = 1.0

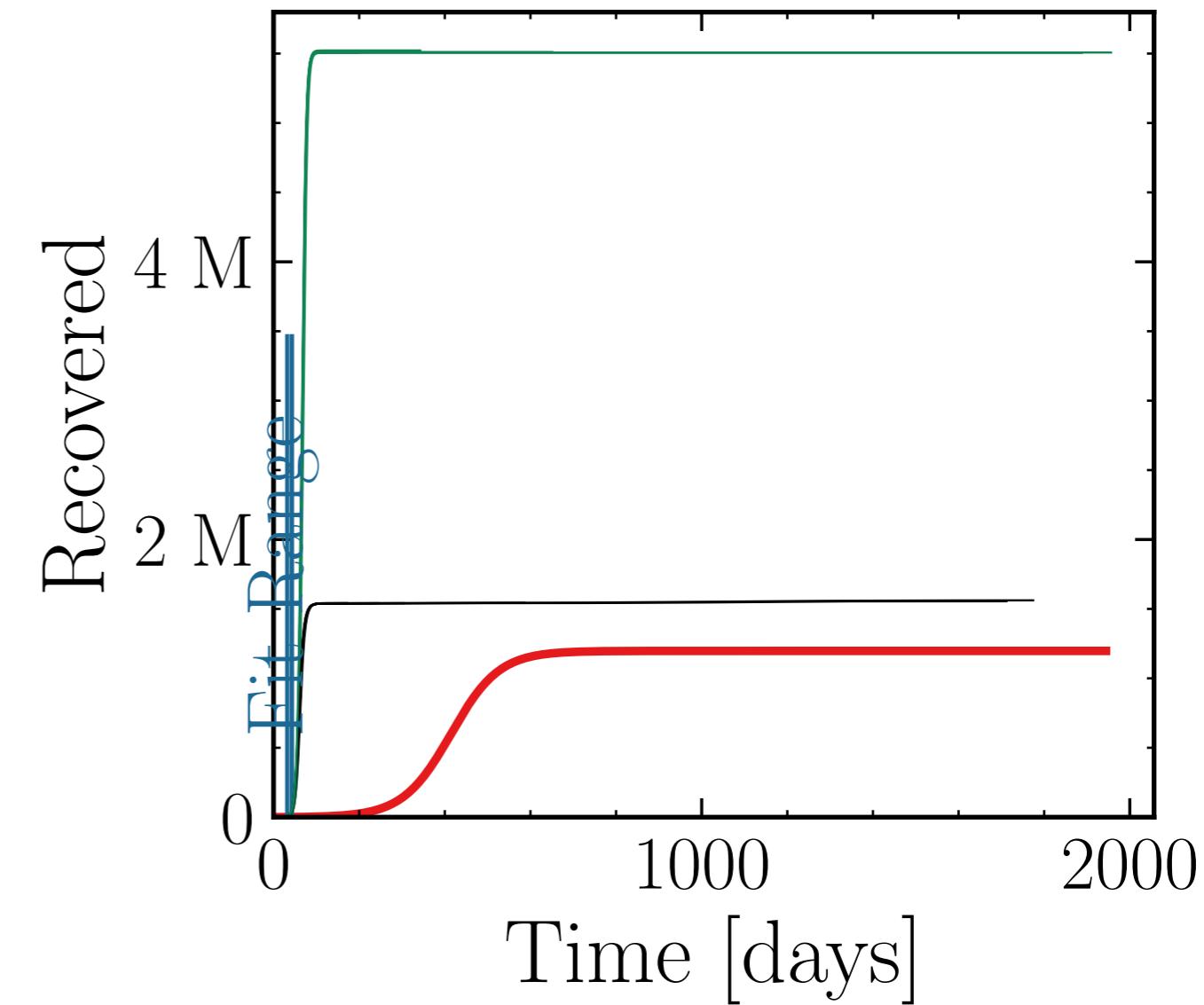
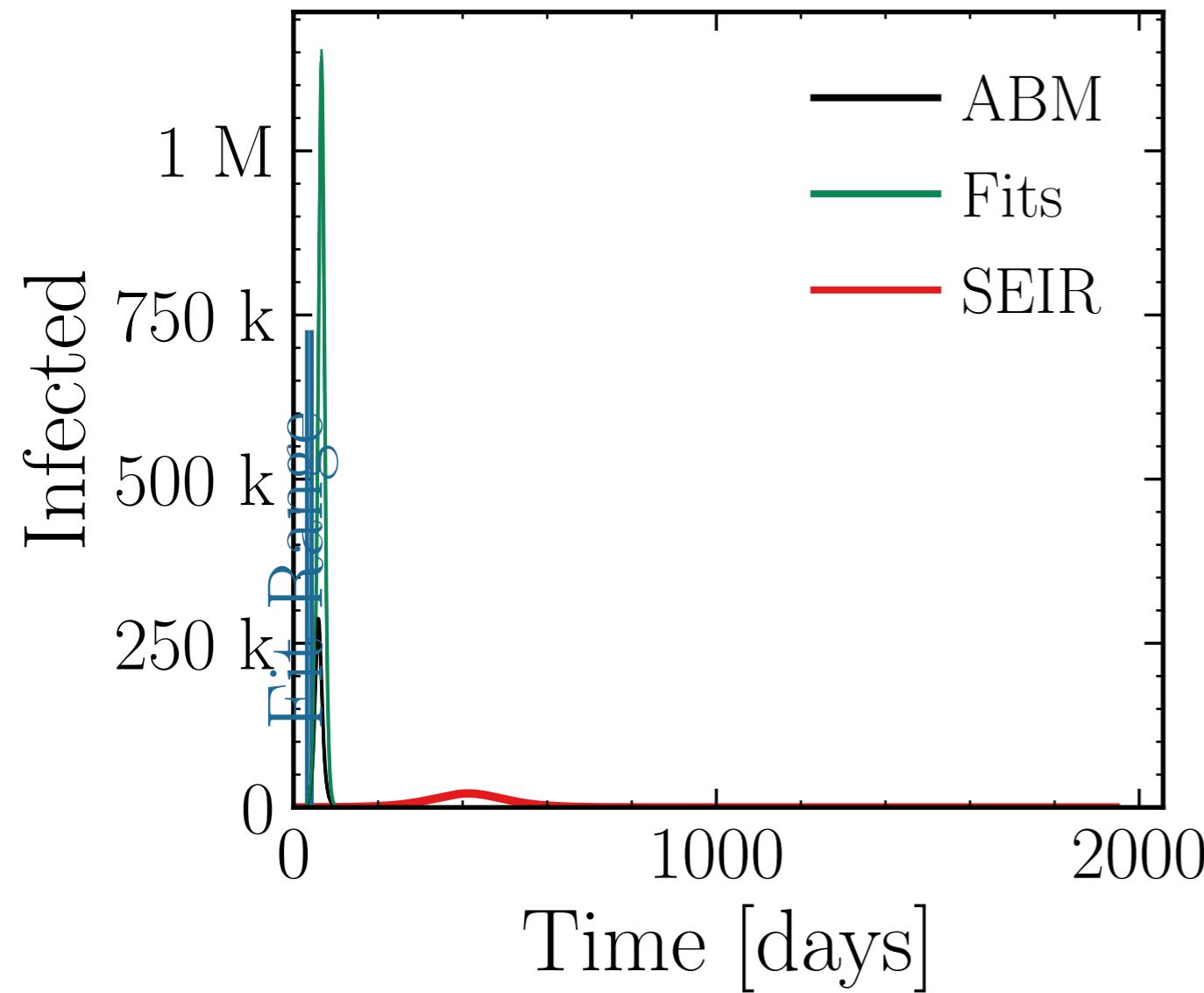
$$I_{\text{max}}^{\text{fit}} = (1.14 \pm 0.17\%) \cdot 10^6$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 3.959 \pm 0.0078$$

$$v. = 1.0, \text{hash} = 9c5032e27b, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (5.511 \pm 0.035\%) \cdot 10^6$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 3.569 \pm 0.0060$$



$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.007$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$

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

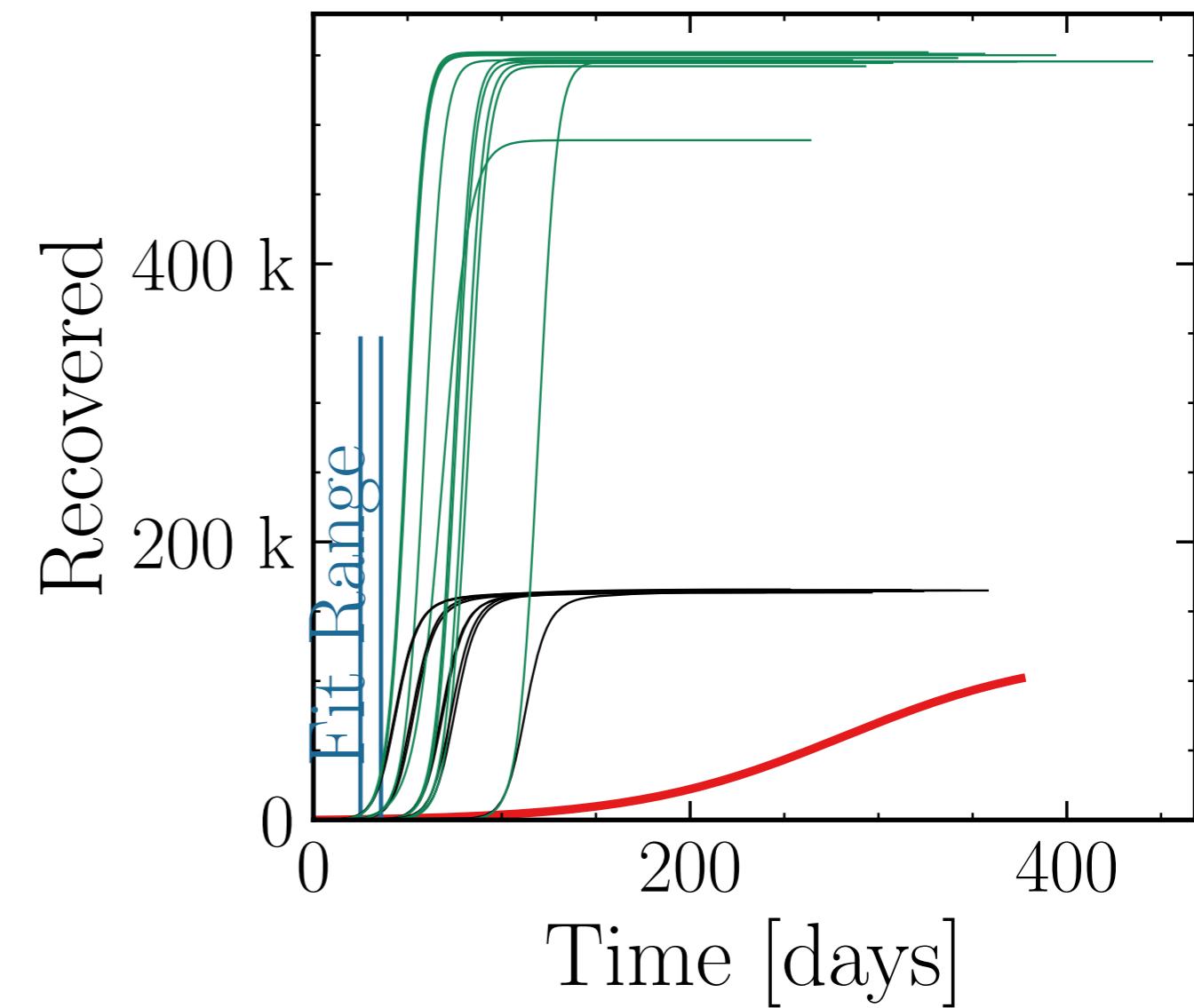
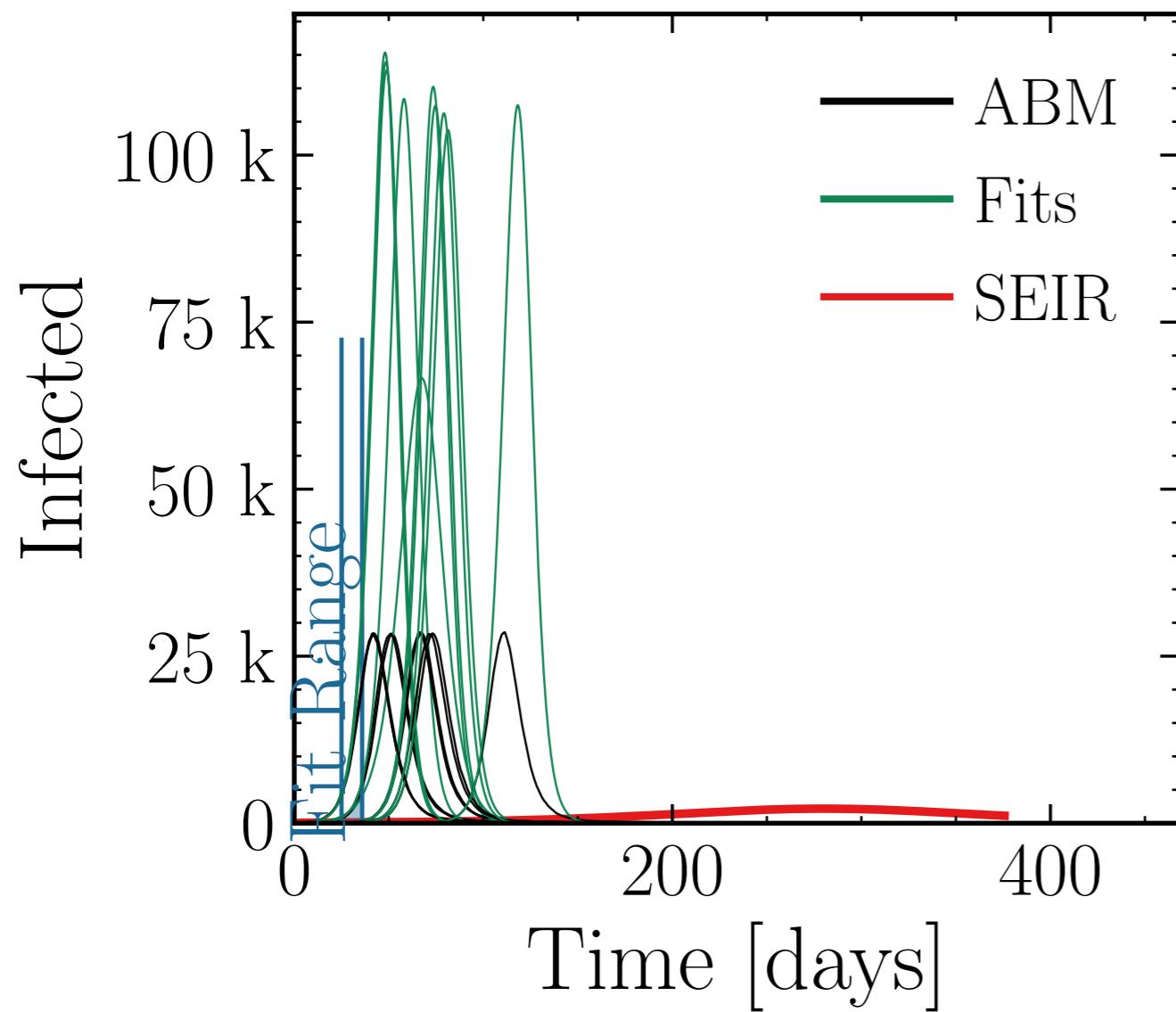
$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

$$I_{\text{max}}^{\text{fit}} = (105 \pm 4.0\%) \cdot 10^3$$

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

$$\text{v.} = 1.0, \text{hash} = 688fb326aa\#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (541 \pm 1.0\%) \cdot 10^3$$



$N_{\text{tot}} = 5.8M$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.007$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$

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

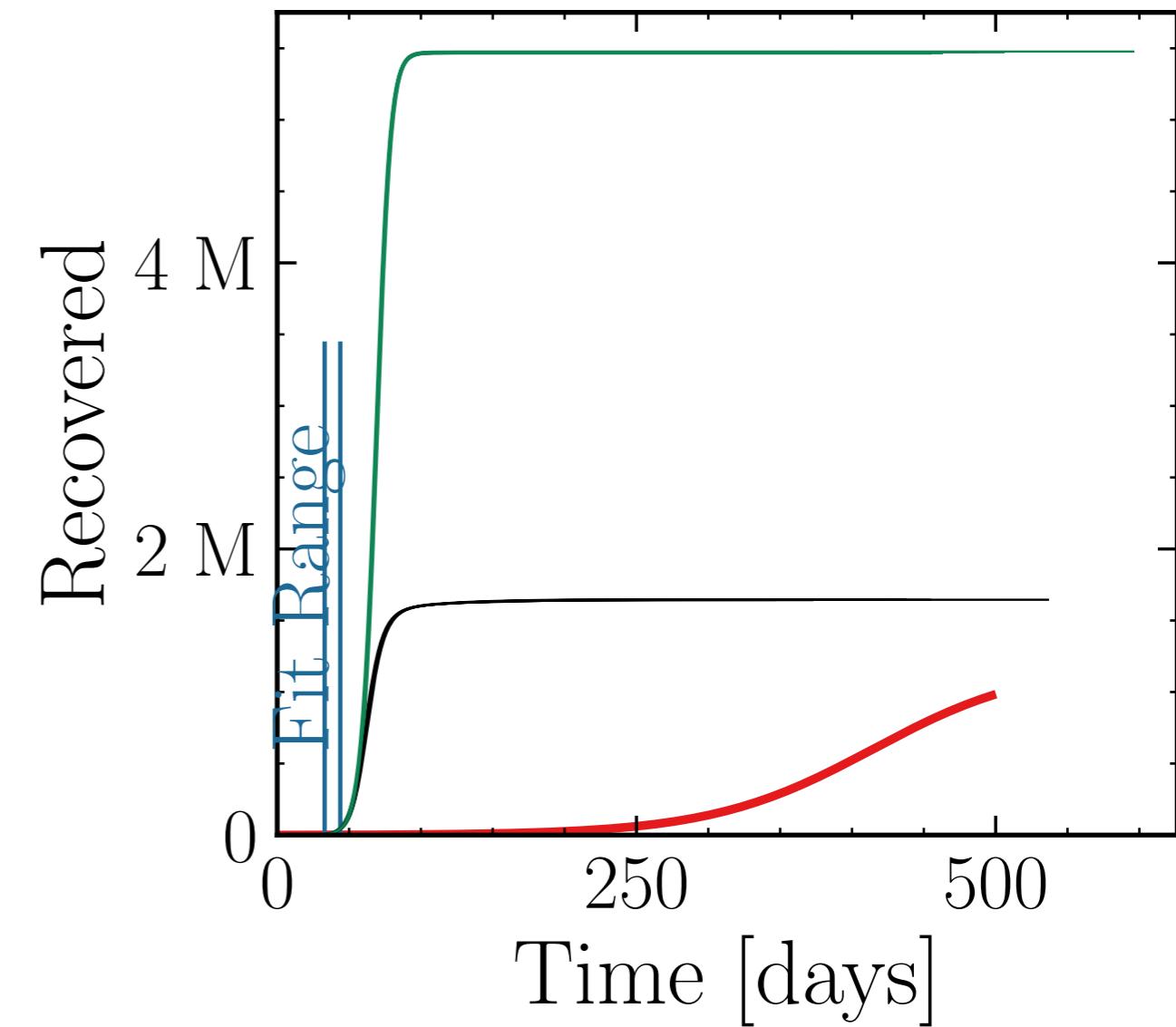
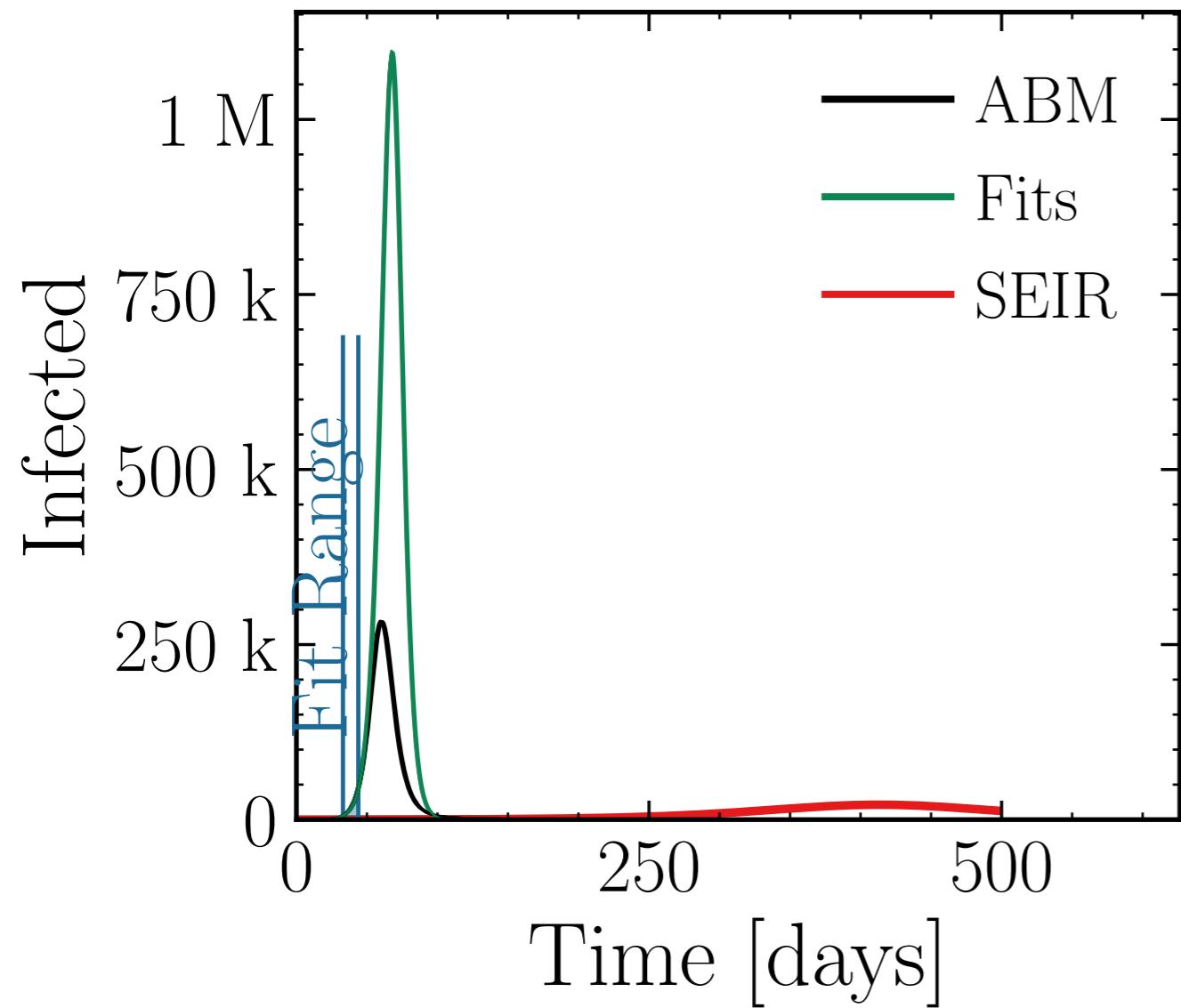
$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

$$I_{\text{max}}^{\text{fit}} = (1.091 \pm 0.16\%) \cdot 10^6$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 3.848 \pm 0.0069 \quad \text{v.} = 1.0, \text{hash} = 889148e070, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (5.471 \pm 0.036\%) \cdot 10^6$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{fit}}} = 3.325 \pm 0.0014$$



$N_{\text{tot}} = 5.8M$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.007$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$

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

$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

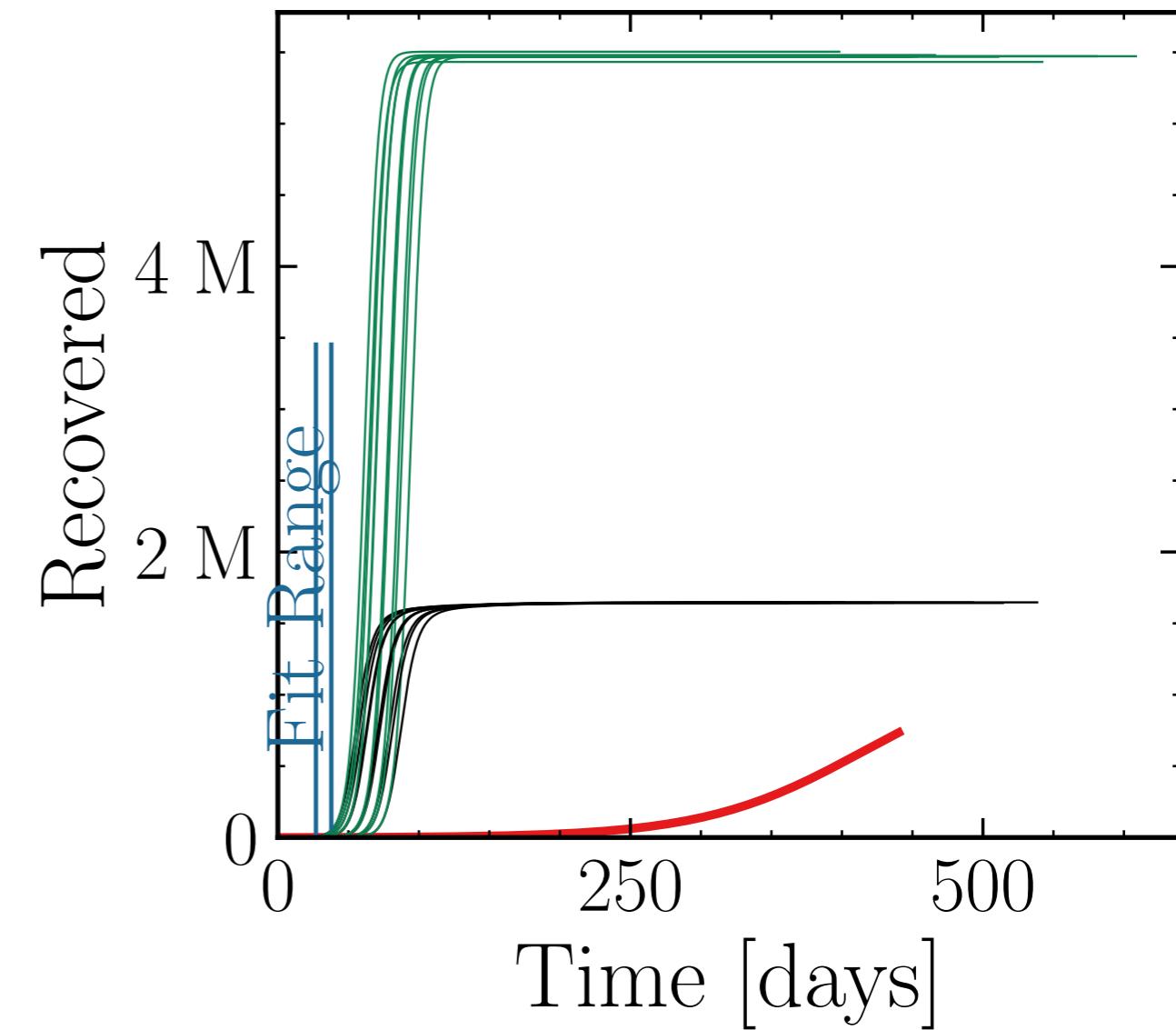
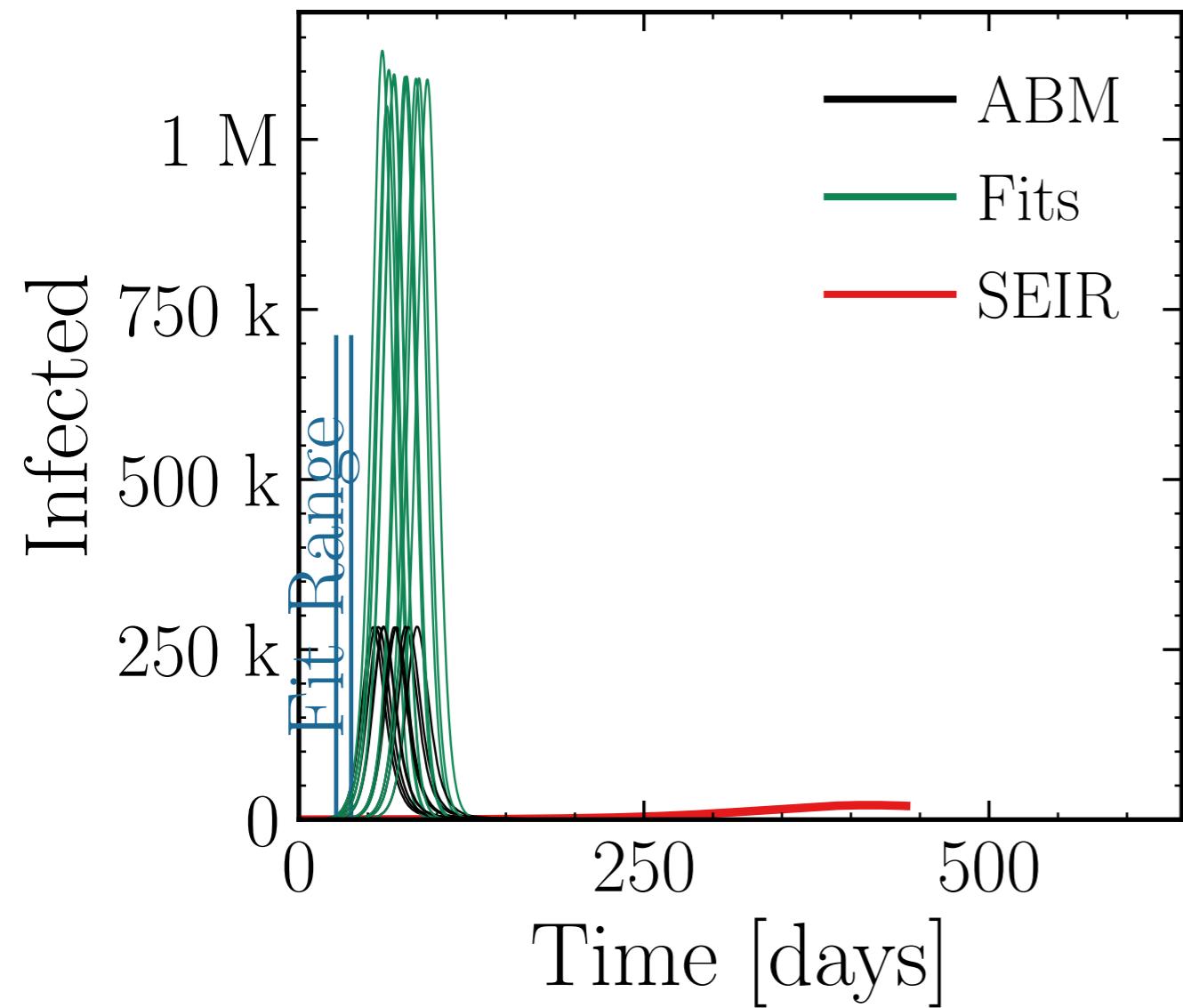
$$I_{\text{max}}^{\text{fit}} = (1.092 \pm 0.54\%) \cdot 10^6$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 3.85 \pm 0.021$$

$$\text{v.} = 1.0, \text{hash} = \text{ef2c53d650}, \#10$$

$$R_{\infty}^{\text{fit}} = (5.471 \pm 0.097\%) \cdot 10^6$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 3.326 \pm 0.0041$$



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

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

$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β scaling} = 10.0, event_{weekendmultiplier} = 1.0

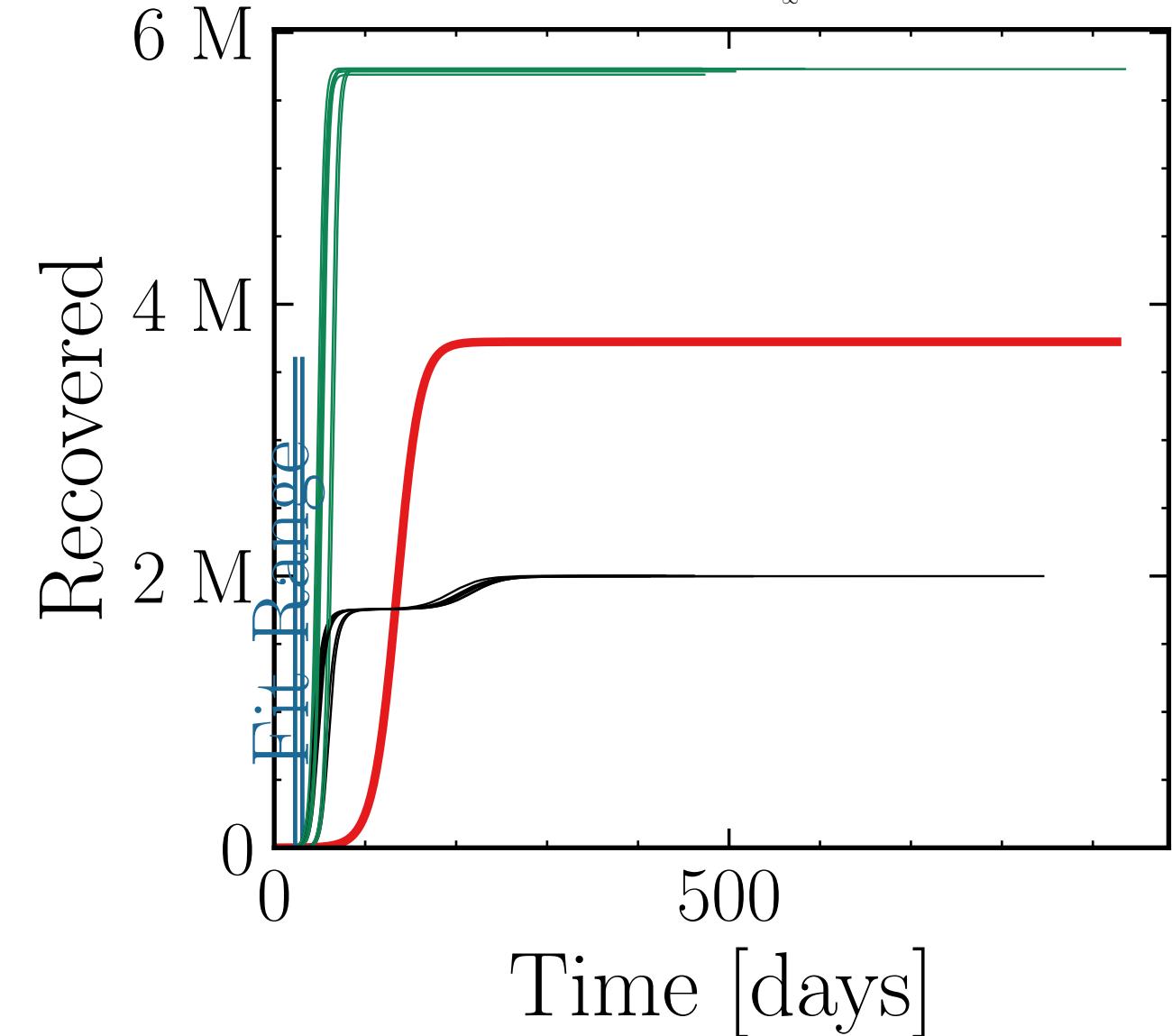
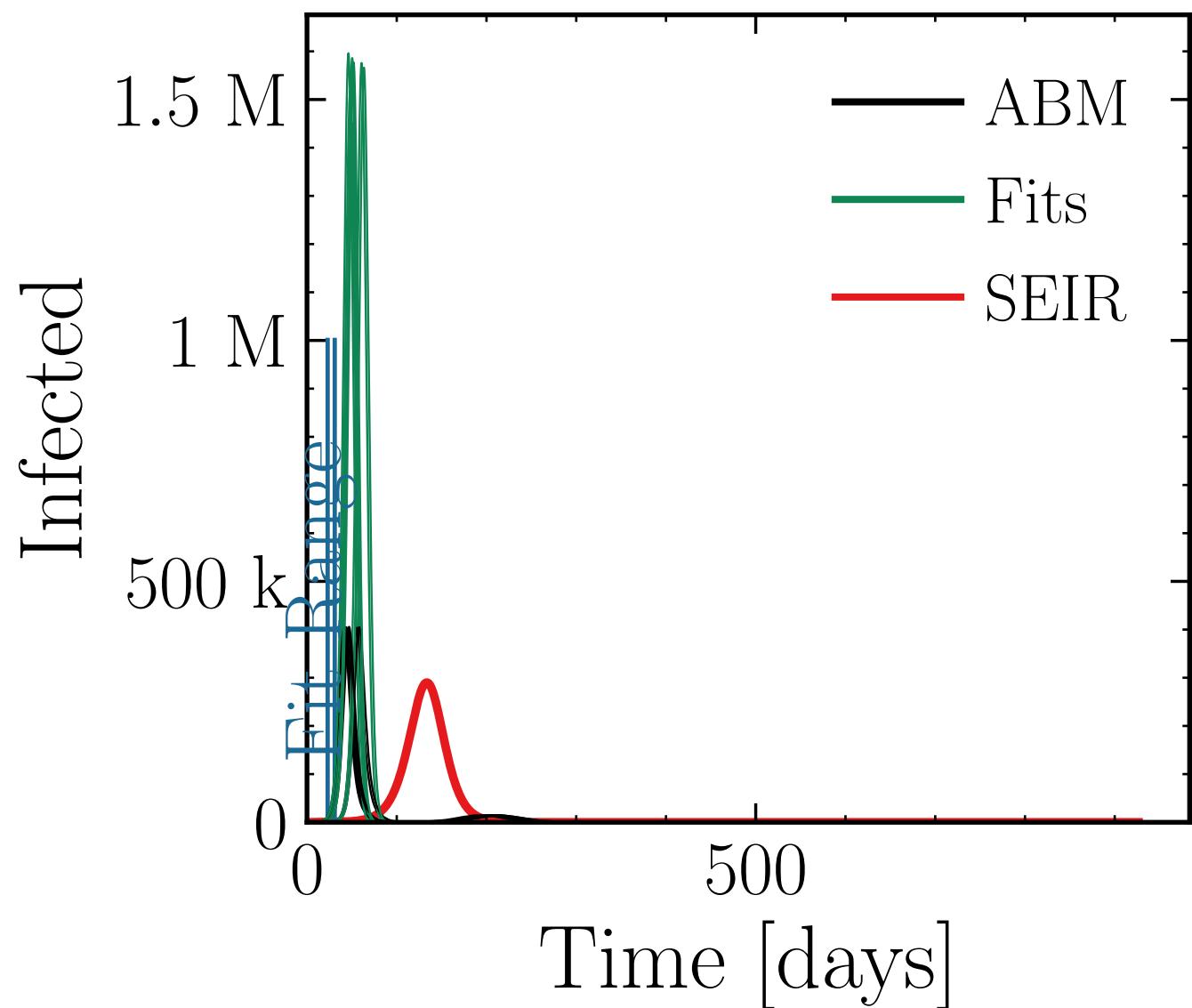
$$I_{\text{max}}^{\text{fit}} = (1.55 \pm 1.1\%) \cdot 10^6$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 3.84 \pm 0.045$$

$$\text{v.} = 1.0, \text{hash} = 8b7b8eeffe, \#7$$

$$R_{\infty}^{\text{fit}, \#7} = (5.723 \pm 0.1\%) \cdot 10^6$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{fit}, \#7}} = 2.862 \pm 0.0034$$



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

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

$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β scaling} = 10.0, event_{weekendmultiplier} = 1.0

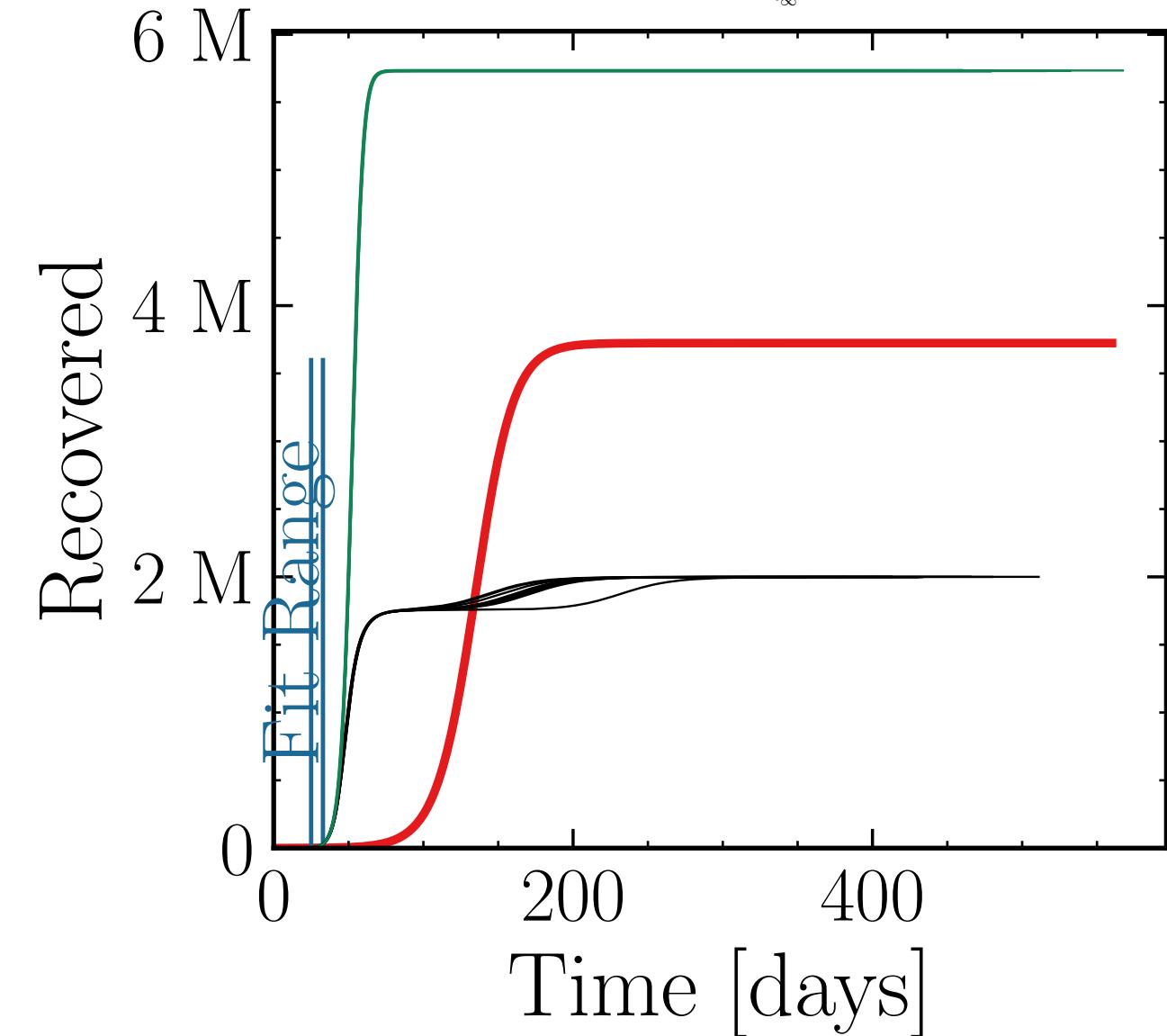
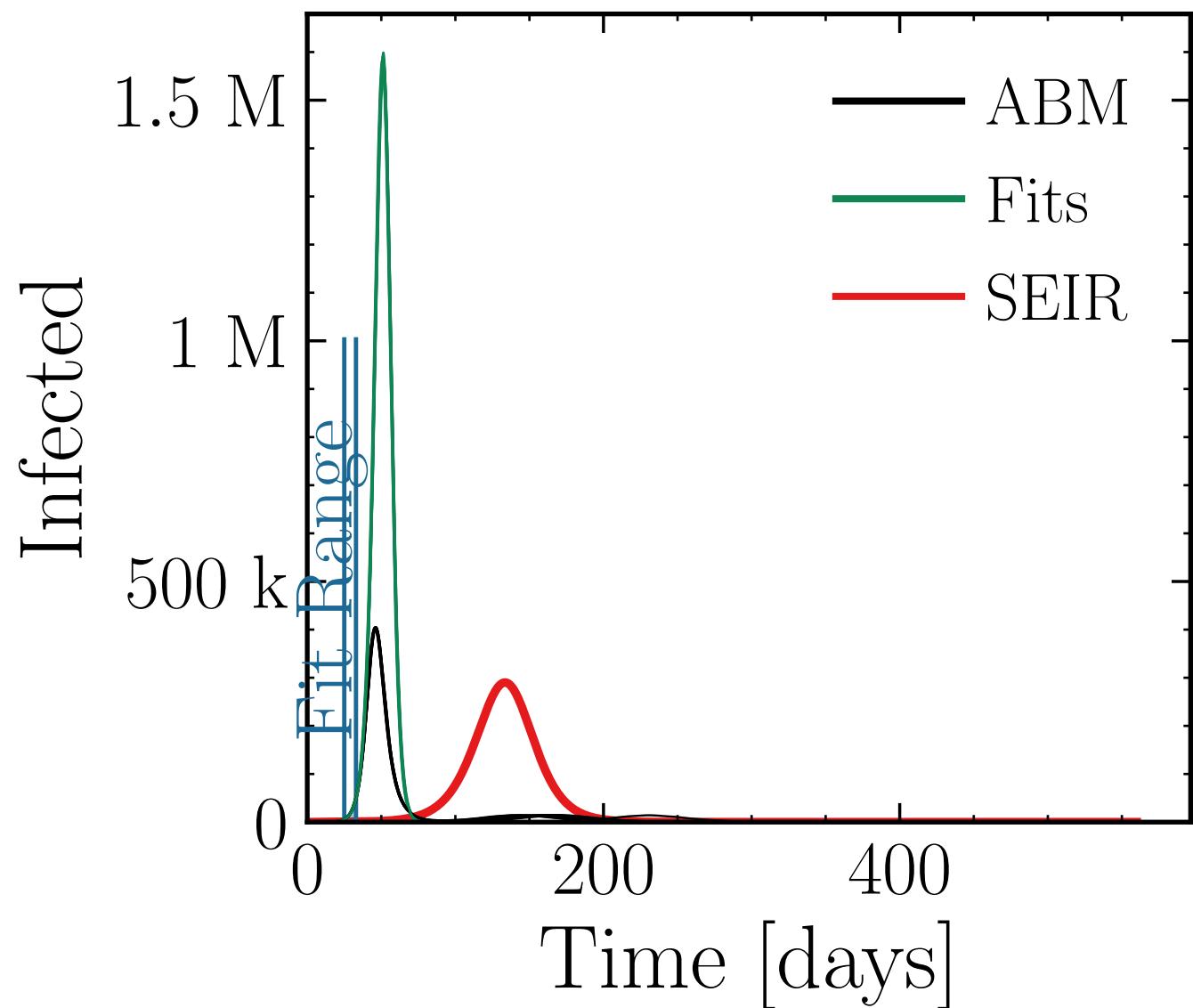
$$I_{\text{max}}^{\text{fit}} = (1.582 \pm 0.2\%) \cdot 10^6$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 3.911 \pm 0.0088$$

$$v. = 1.0, \text{hash} = 16f09bf3cc, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (5.732 \pm 0.018\%) \cdot 10^6$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{fit}}} = 2.8673 \pm 0.00067$$



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

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

$N_{\text{events}} = 0$, event_{size_{max}} = 0, event_{size_{mean}} = 50.0, event _{β _{scaling}} = 10.0, event_{weekend_{multiplier}} = 1.0

$$I_{\text{max}}^{\text{fit}} = (1.53 \pm 0.78\%) \cdot 10^6$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 3.76 \pm 0.029$$

$$v. = 1.0, \text{hash} = \text{c6c07d2e24}\#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (5.715 \pm 0.072\%) \cdot 10^6$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{fit}}} = 2.671 \pm 0.0022$$

