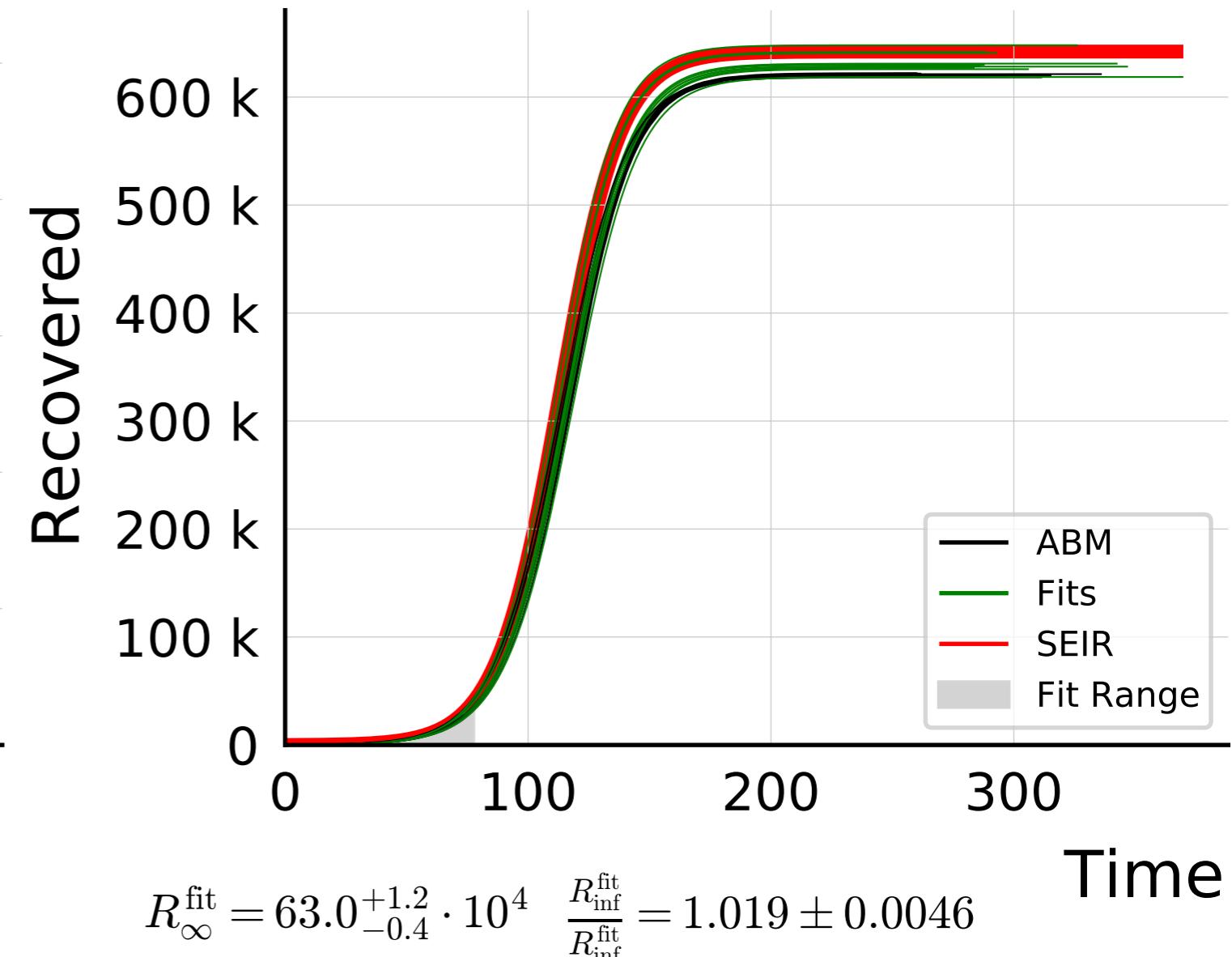
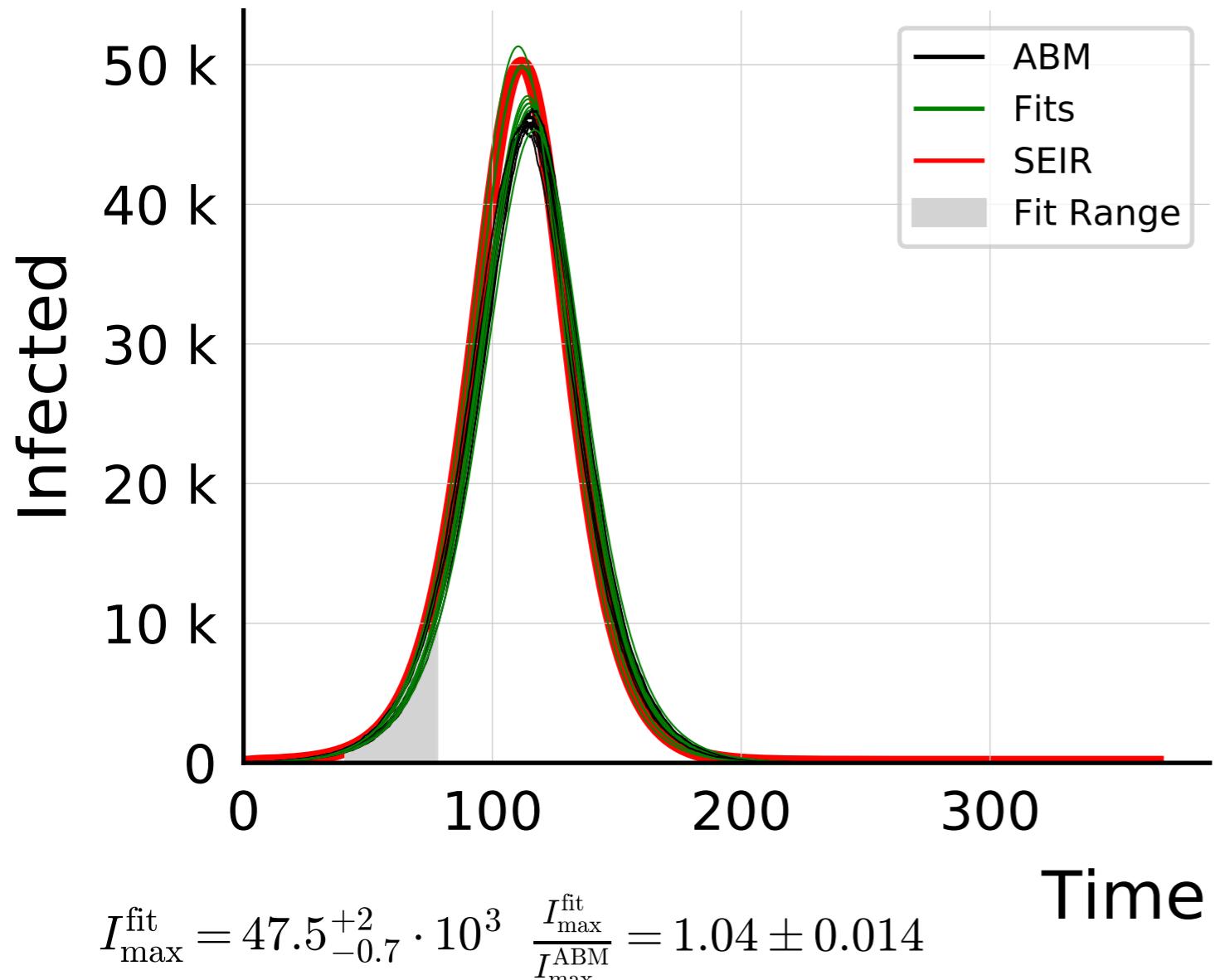
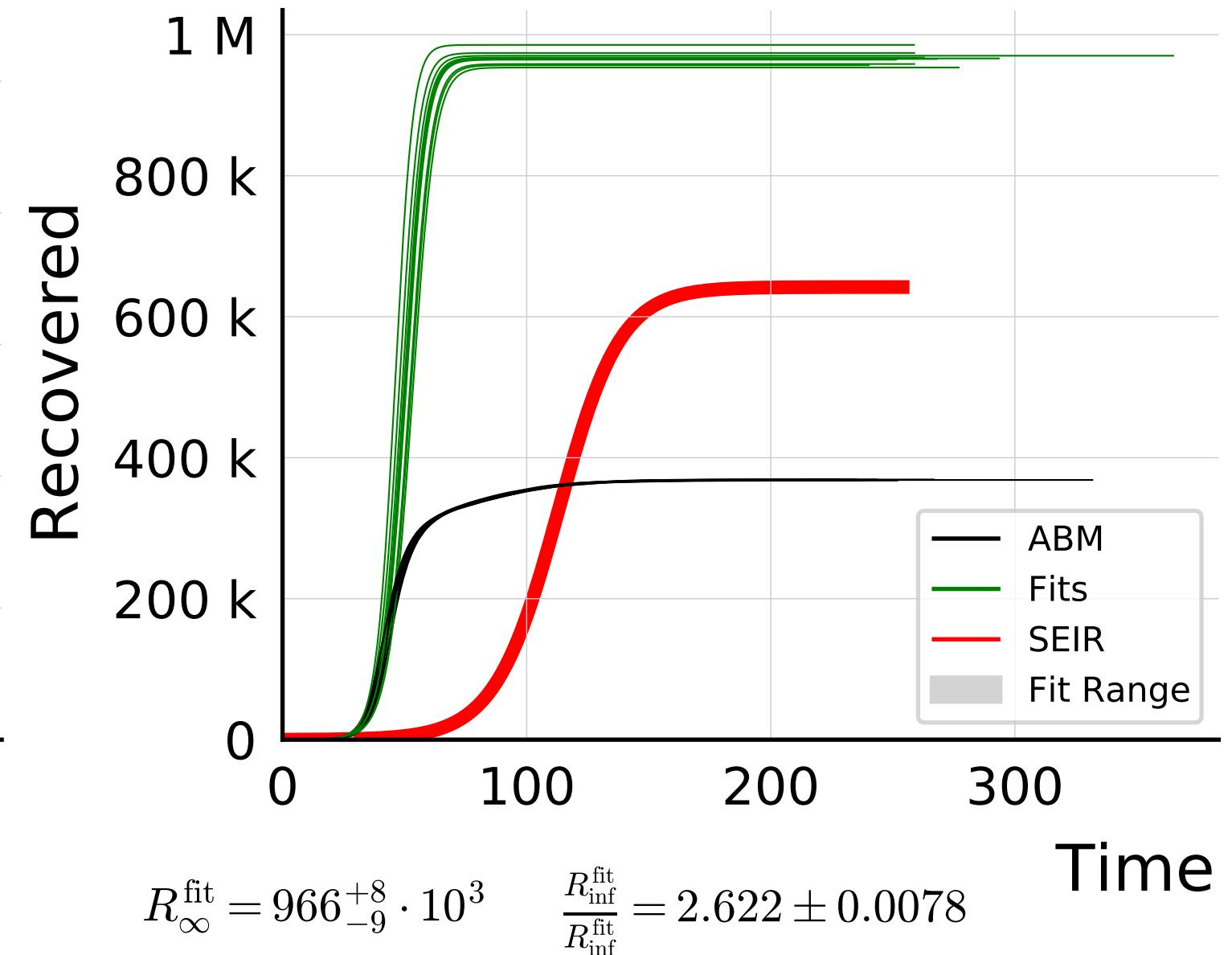
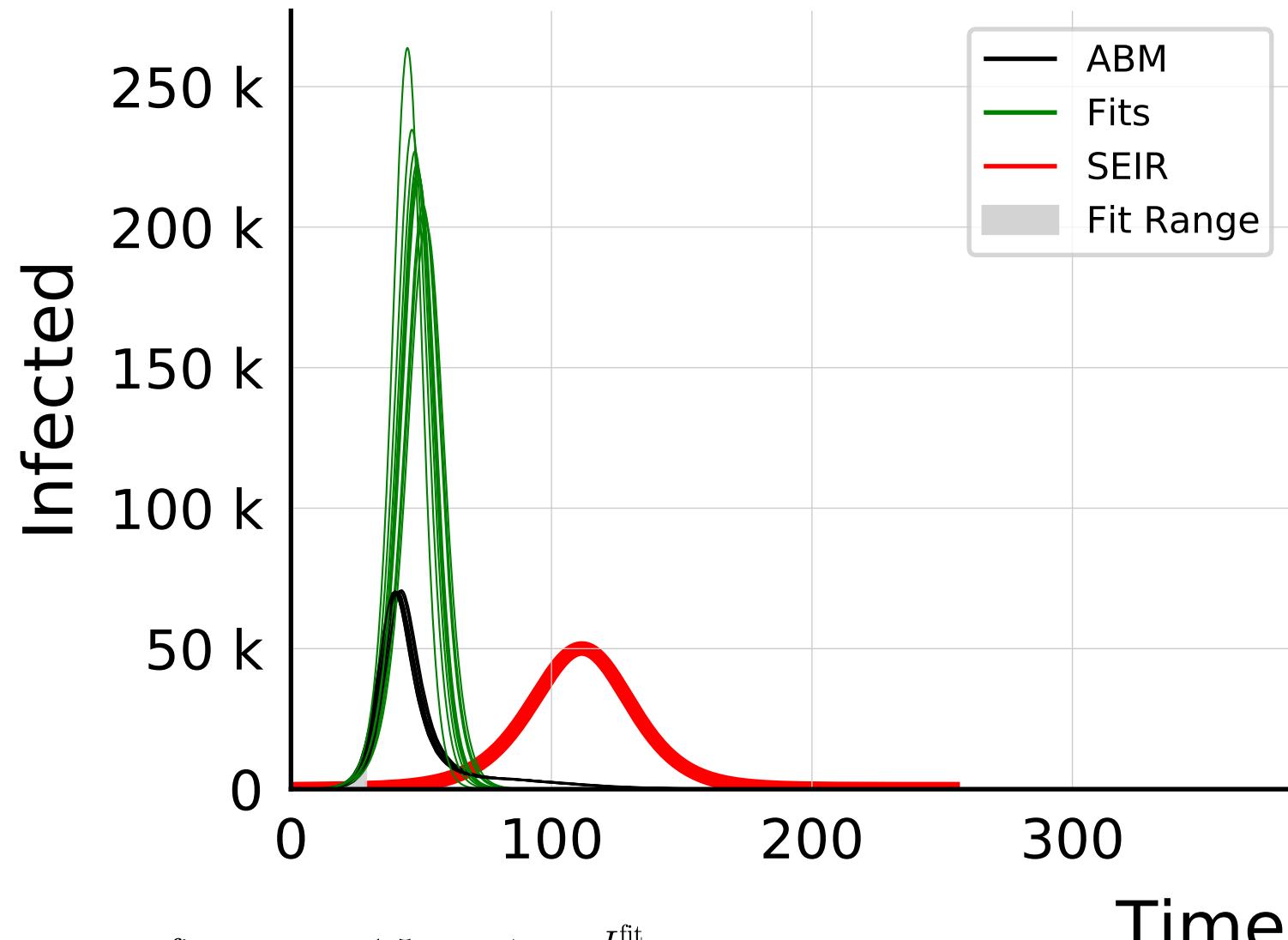


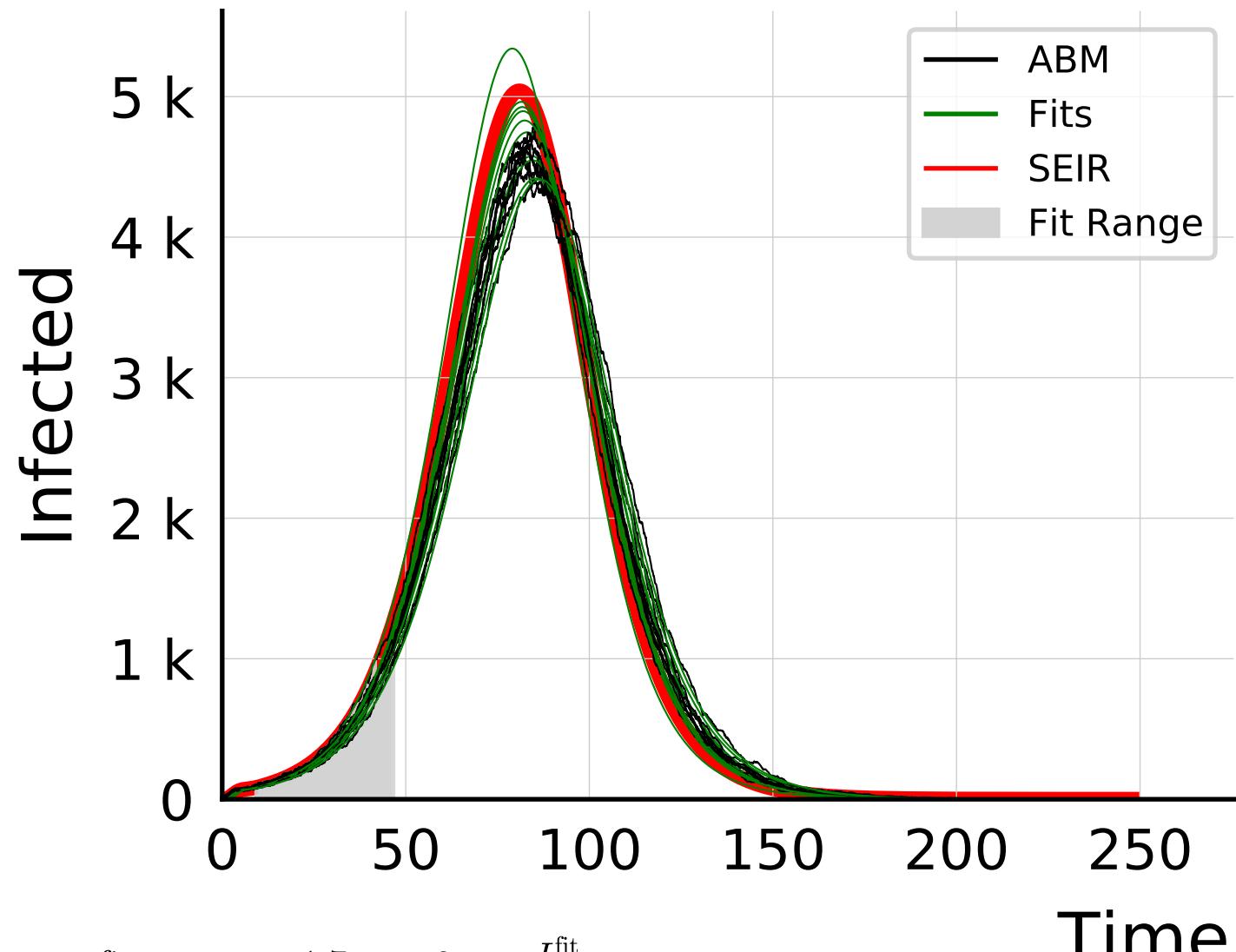
$N_{\text{tot}} = 1M$, $N_{\text{init}} = 100$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, #10



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

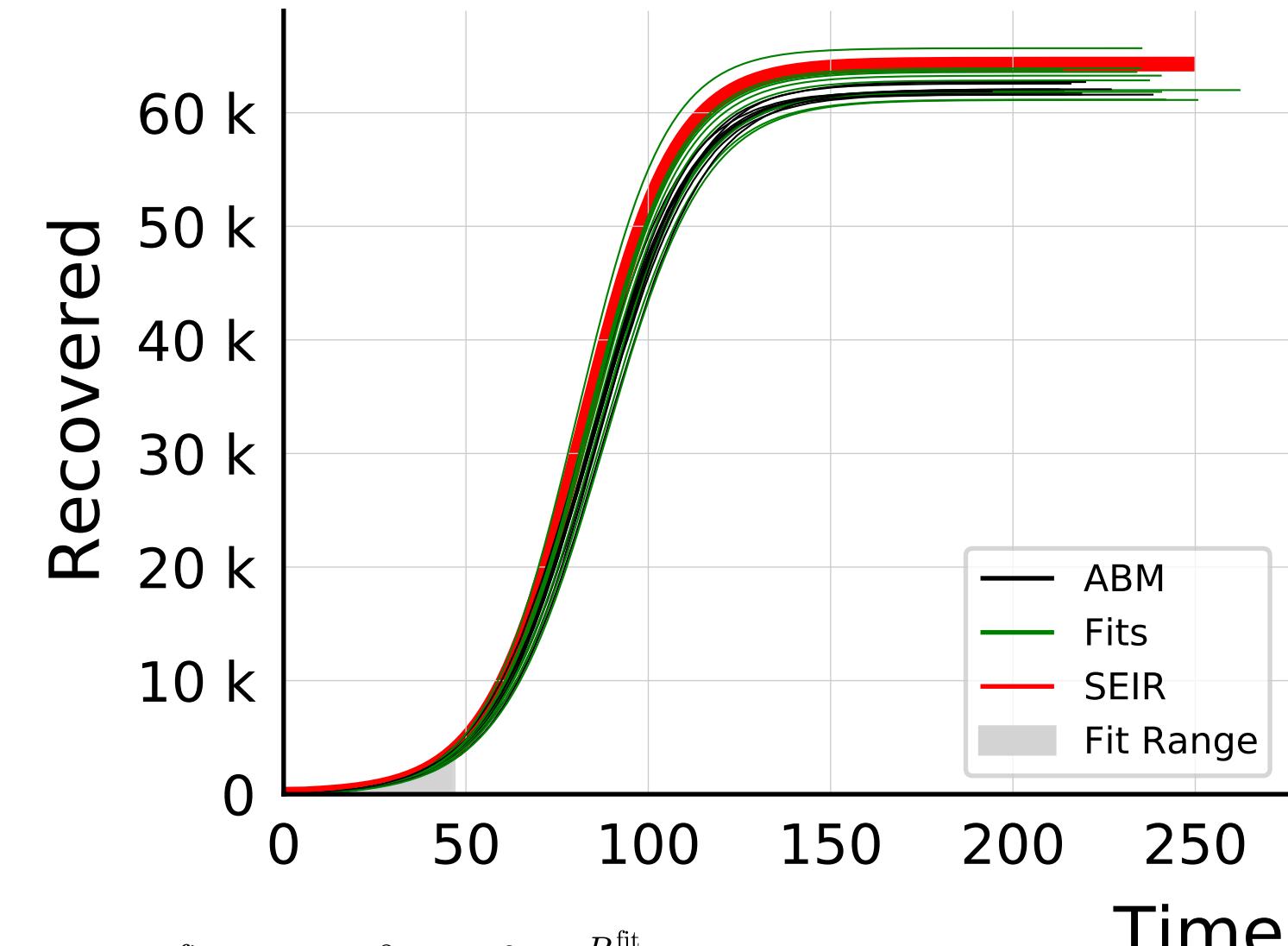


$N_{\text{tot}} = 100K$, $N_{\text{init}} = 100$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, #10



$$I_{\text{max}}^{\text{fit}} = 48_{-3}^{+1.7} \cdot 10^2$$

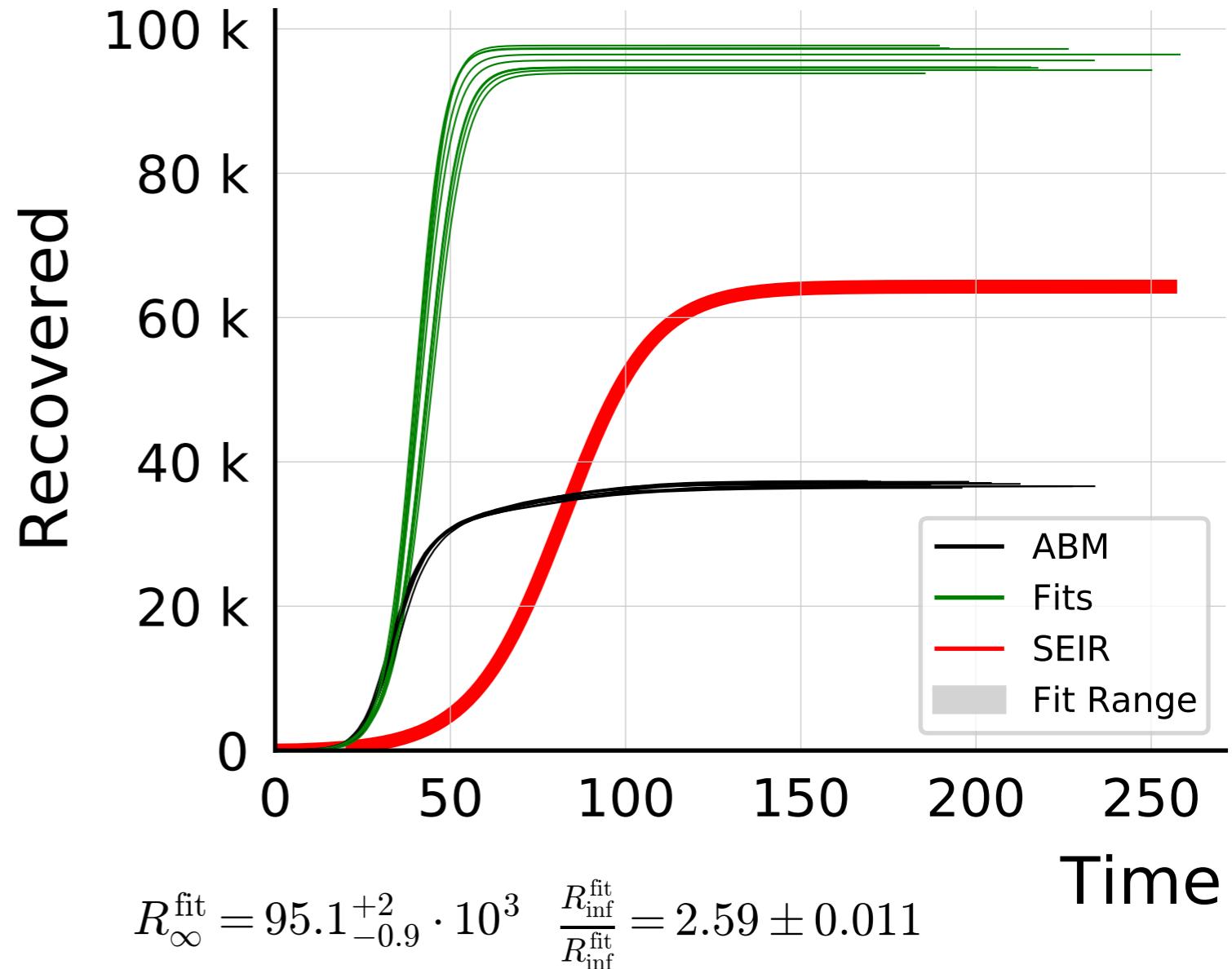
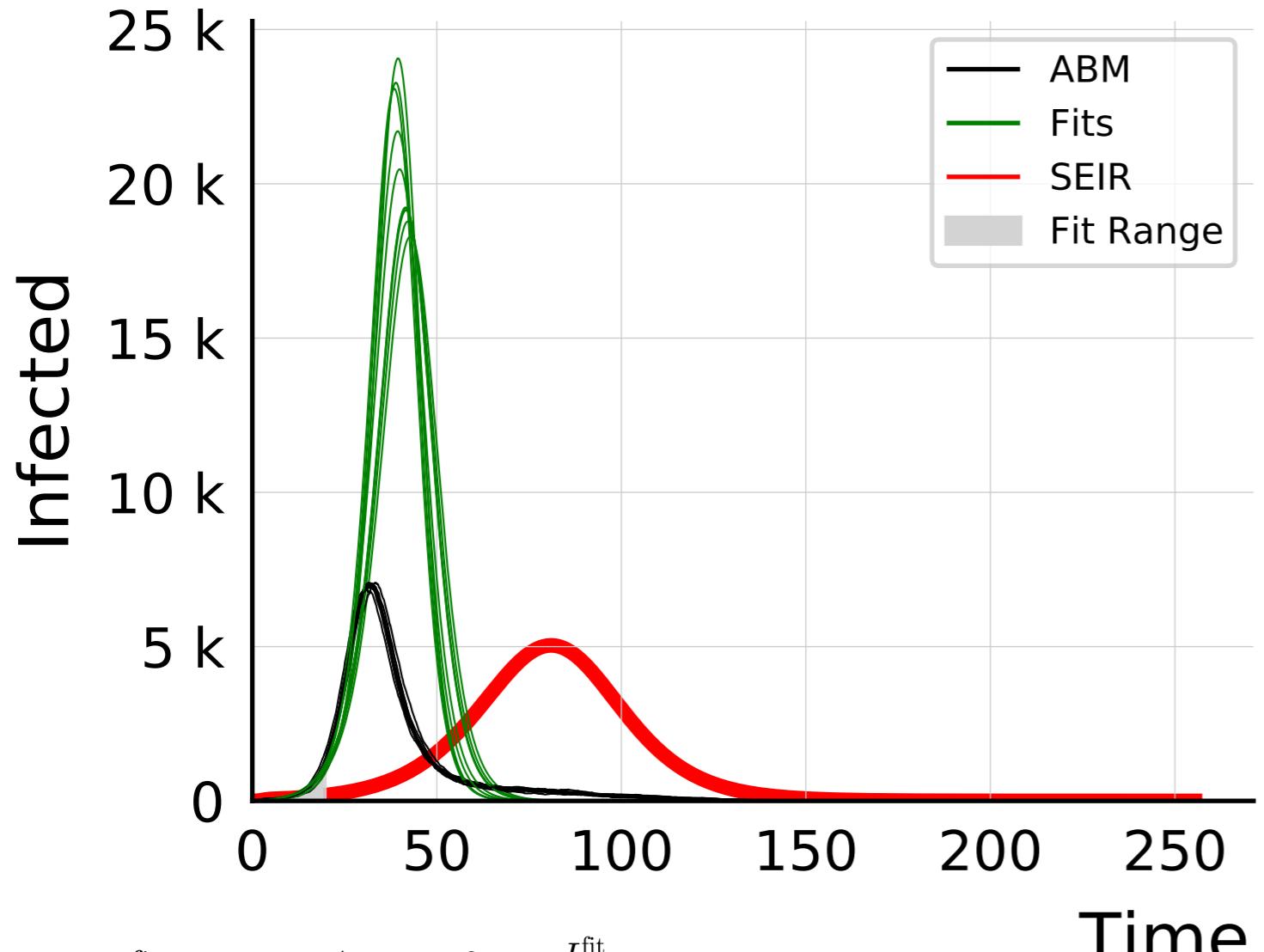
$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1.03 \pm 0.020$$



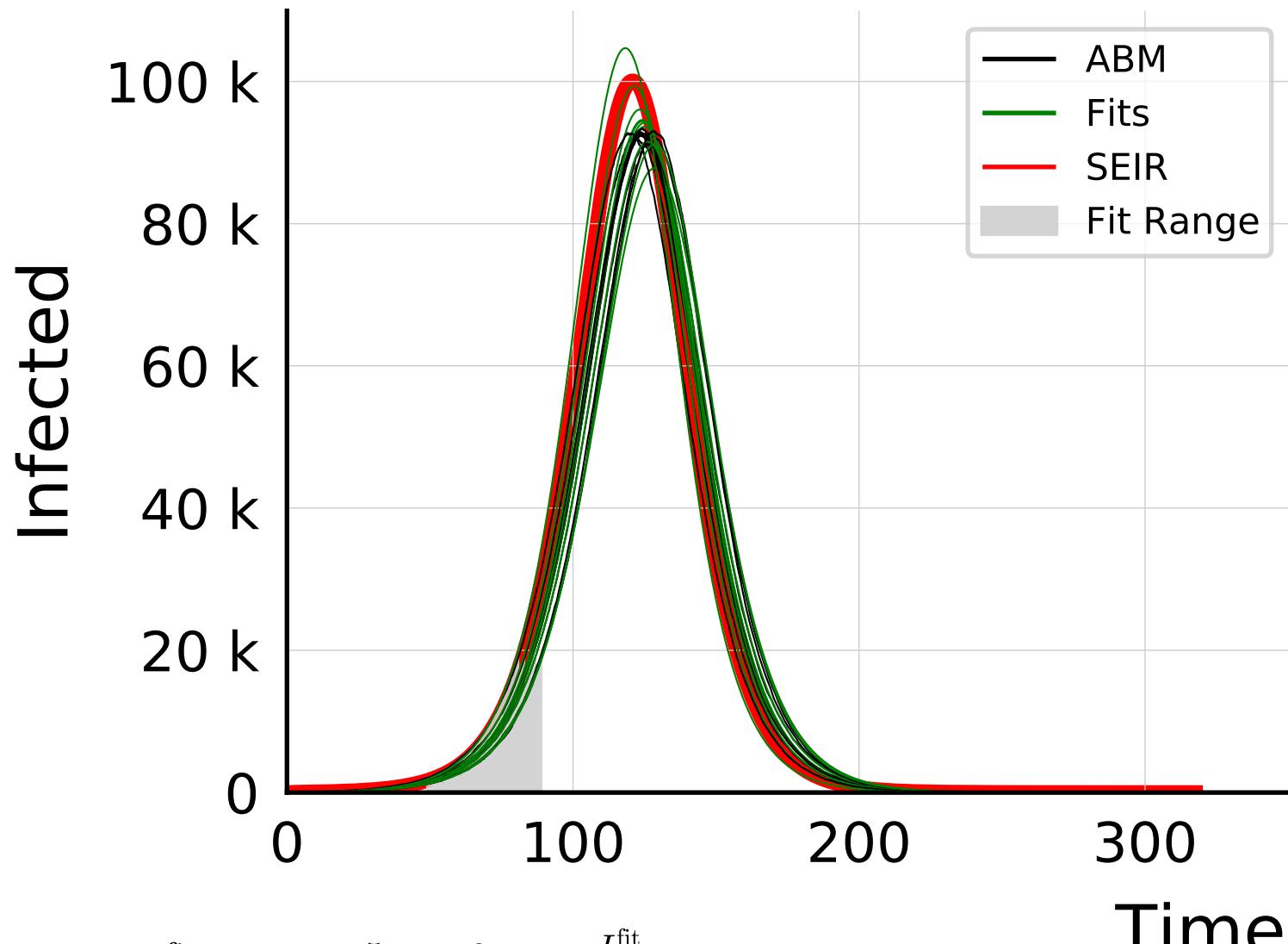
$$R_{\infty}^{\text{fit}} = 631_{-17}^{+8} \cdot 10^2$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\text{inf}}^{\text{fit}}} = 1.015 \pm 0.0076$$

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

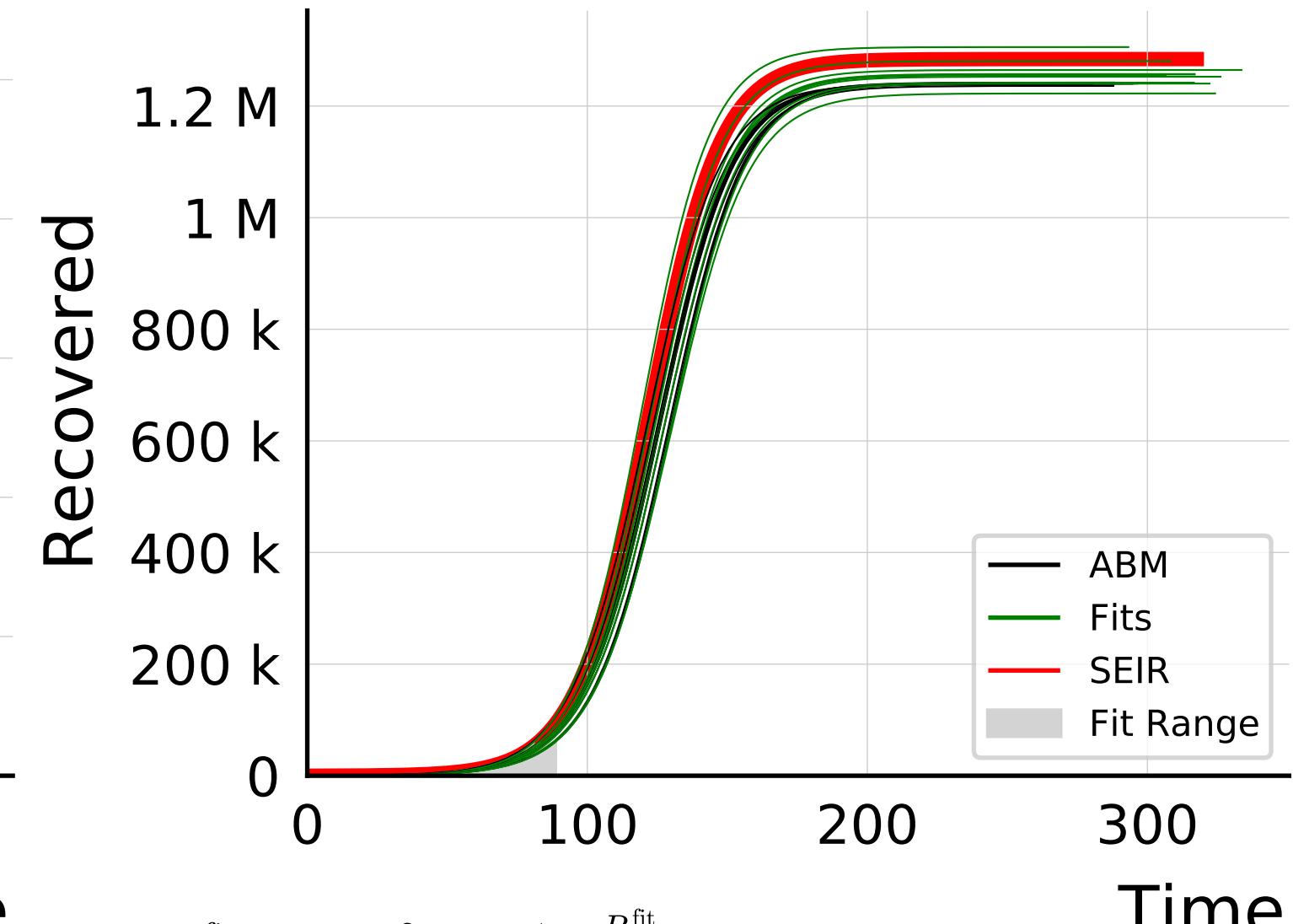


$N_{\text{tot}} = 2M$, $N_{\text{init}} = 100$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, #10



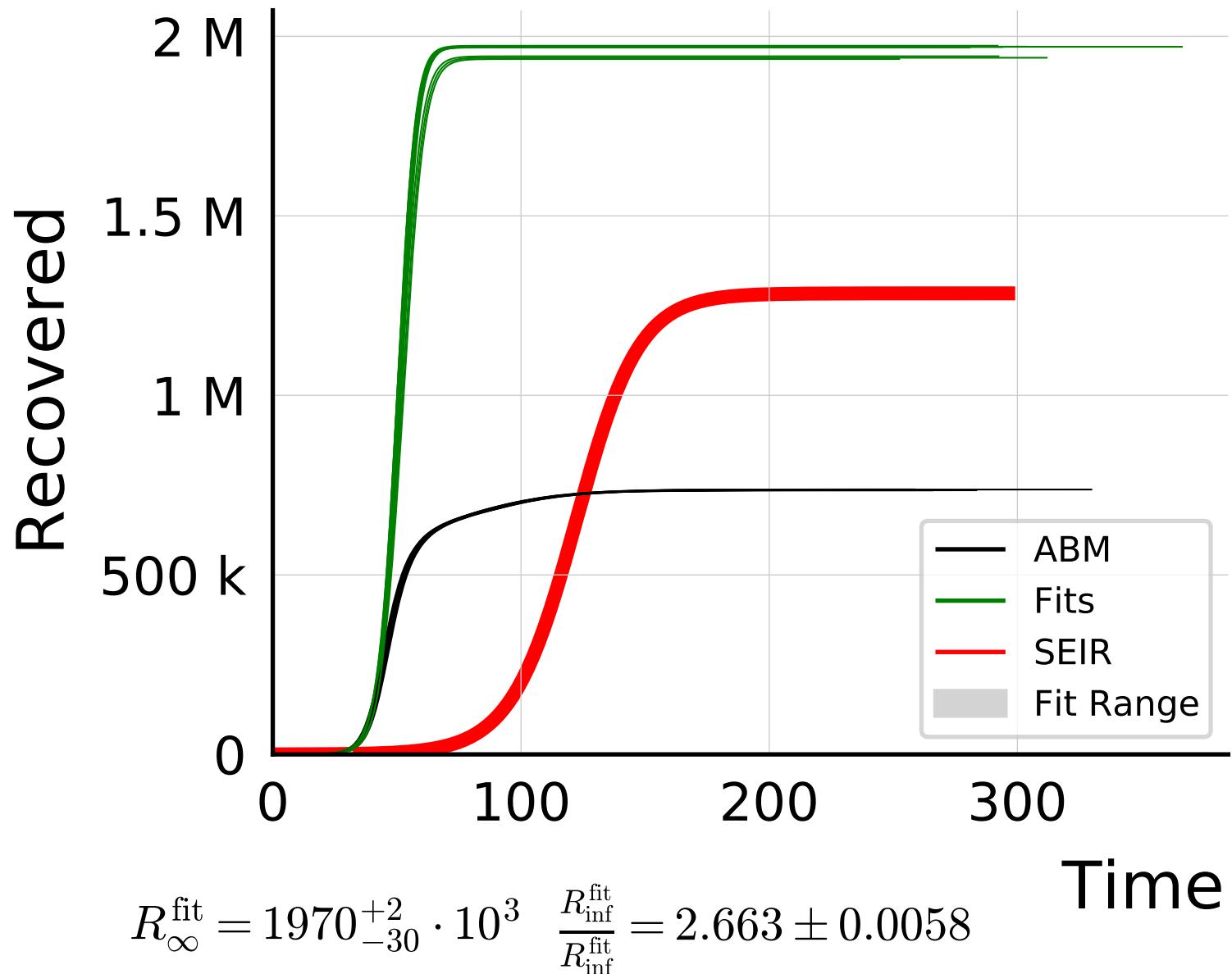
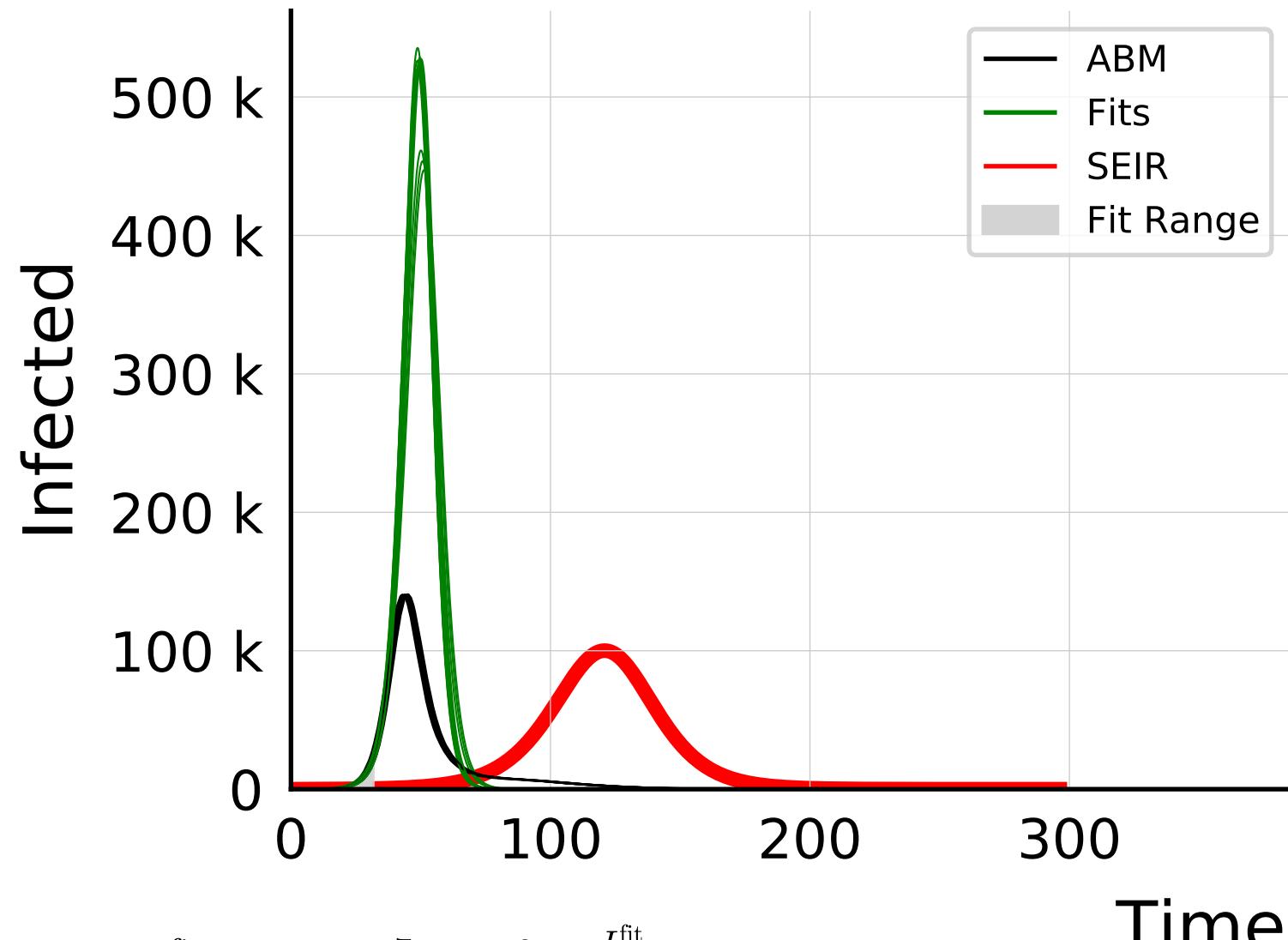
$$I_{\max}^{\text{fit}} = 94^{+5}_{-3} \cdot 10^3$$

$$\frac{I_{\max}^{\text{fit}}}{I_{\max}^{\text{ABM}}} = 1.02 \pm 0.015$$

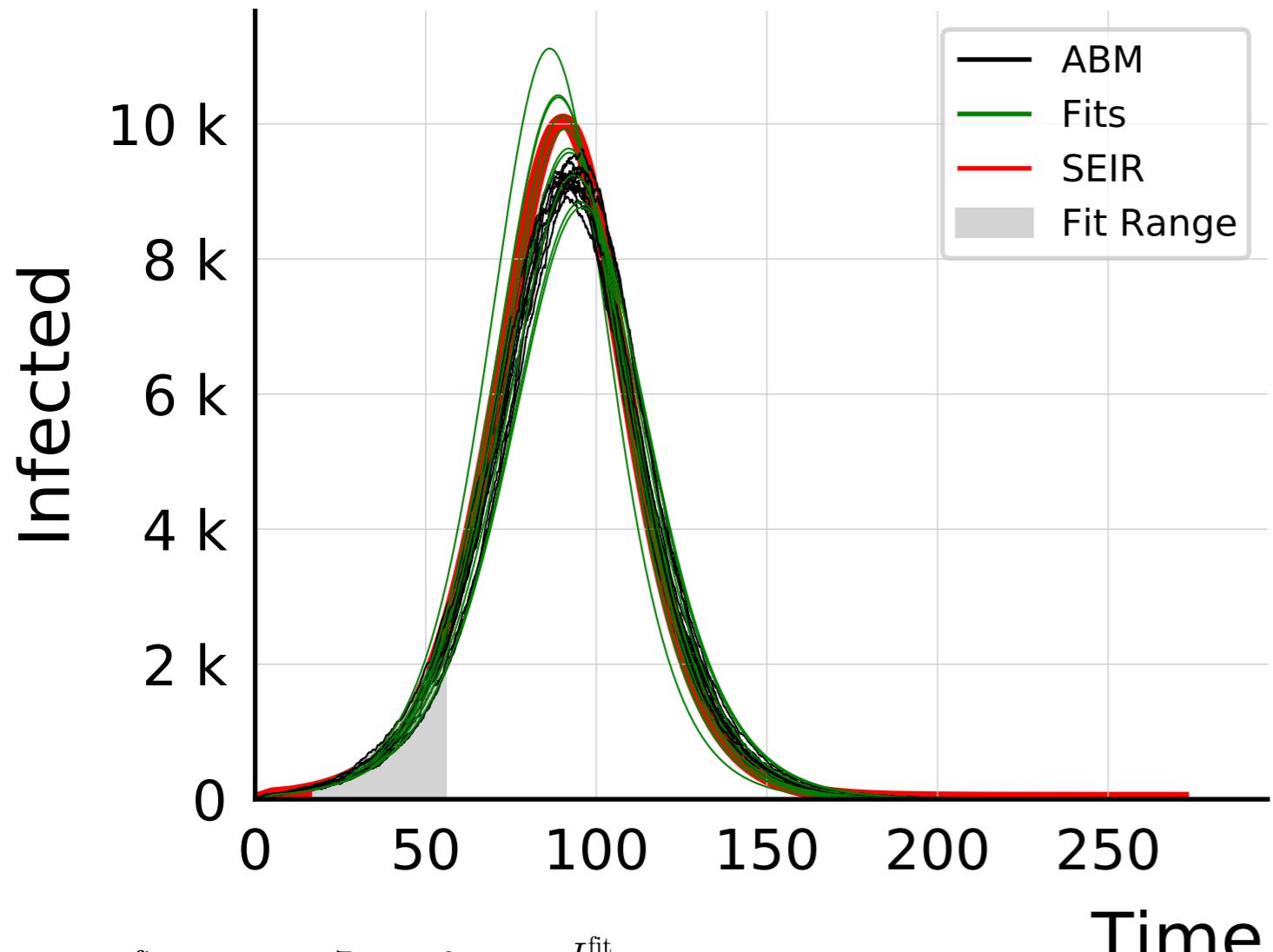


$$R_{\infty}^{\text{fit}} = 126^{+2}_{-1.6} \cdot 10^4 \quad \frac{R_{\text{inf}}^{\text{fit}}}{R_{\text{inf}}} = 1.014 \pm 0.0056$$

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

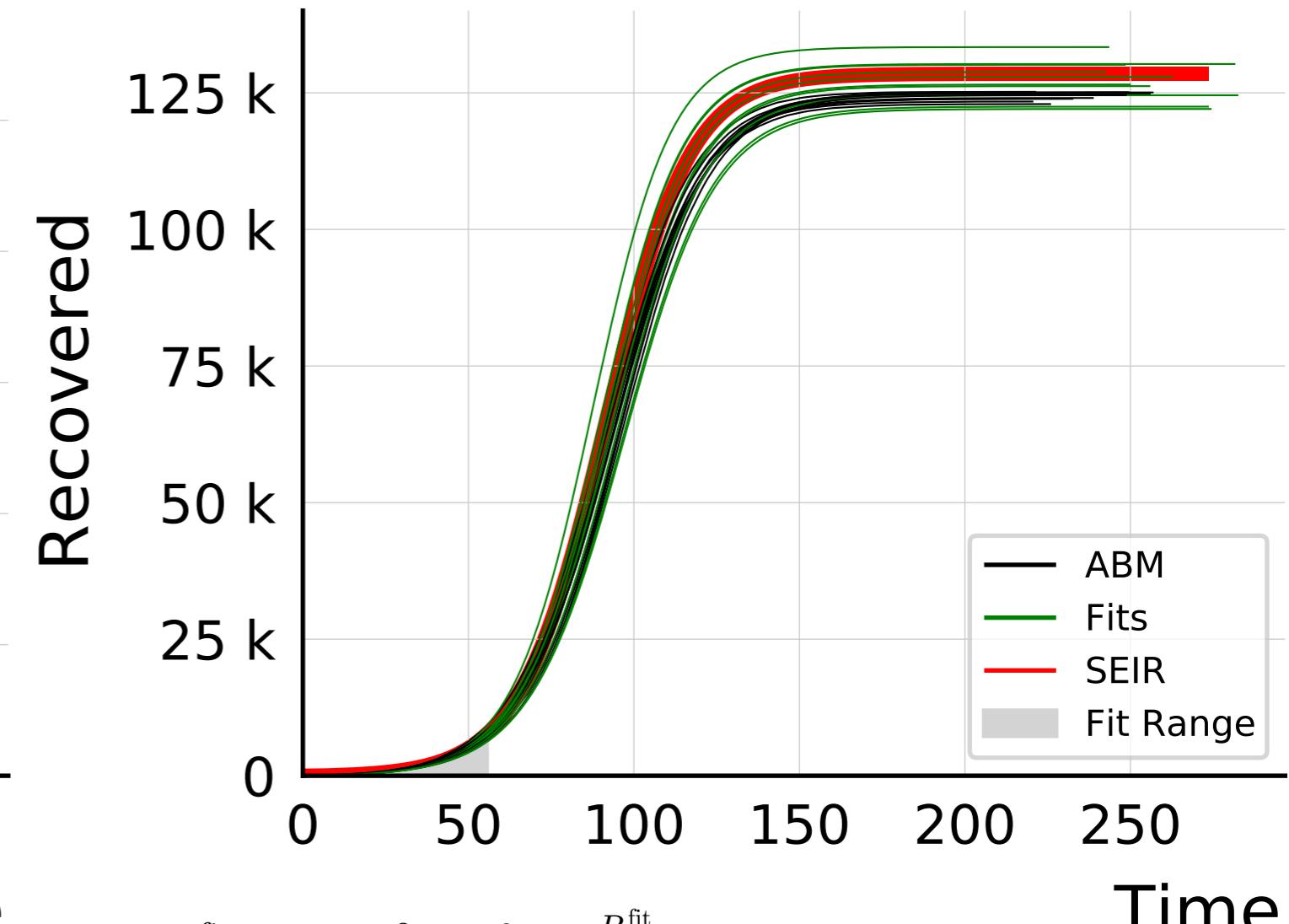


$N_{\text{tot}} = 200K$, $N_{\text{init}} = 100$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, #10



$$I_{\max}^{\text{fit}} = 98^{+7}_{-9} \cdot 10^2$$

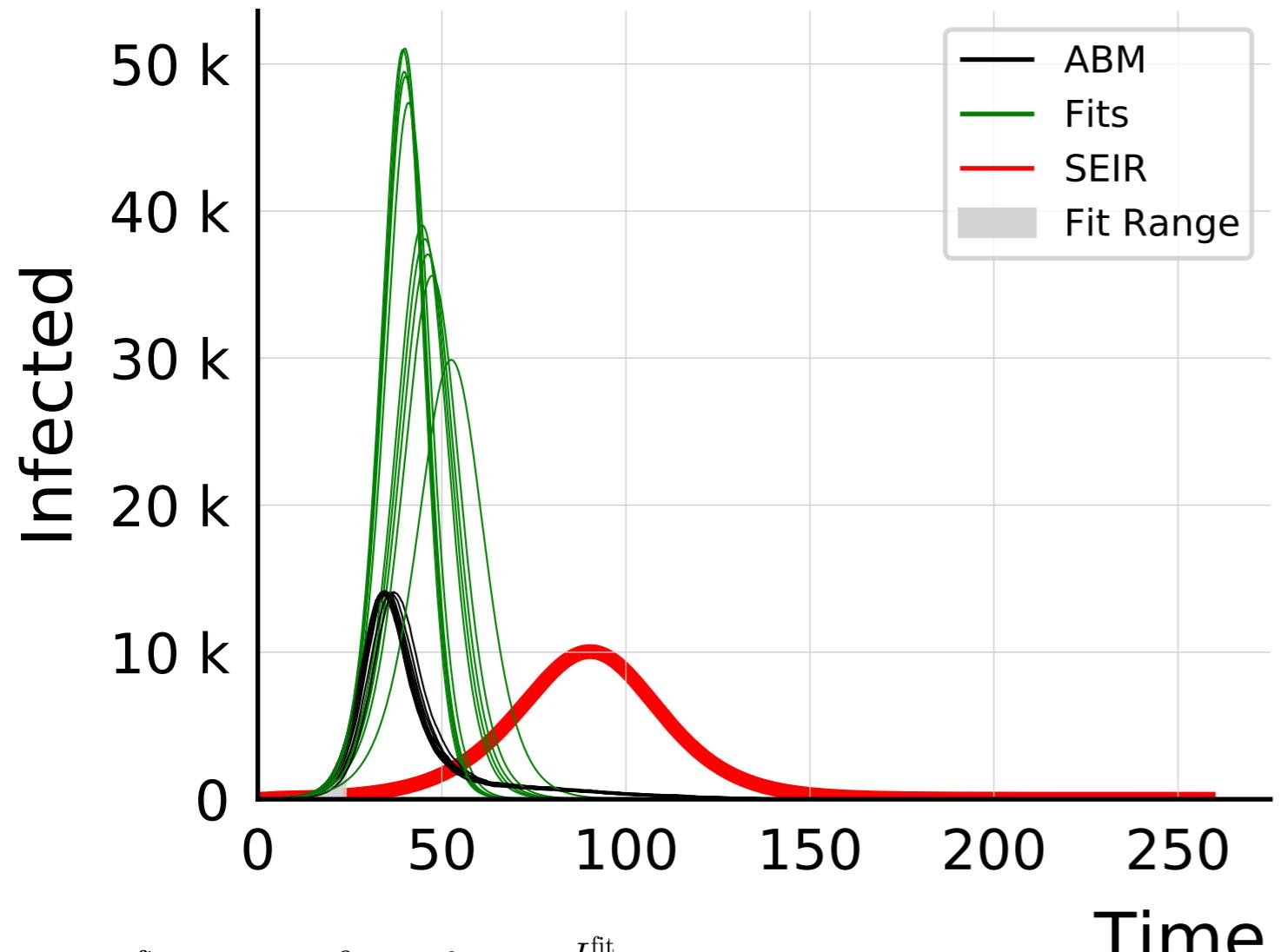
$$\frac{I_{\max}^{\text{fit}}}{I_{\max}^{\text{ABM}}} = 1.06 \pm 0.028$$



$$R_{\infty}^{\text{fit}} = 127^{+3}_{-5} \cdot 10^3$$

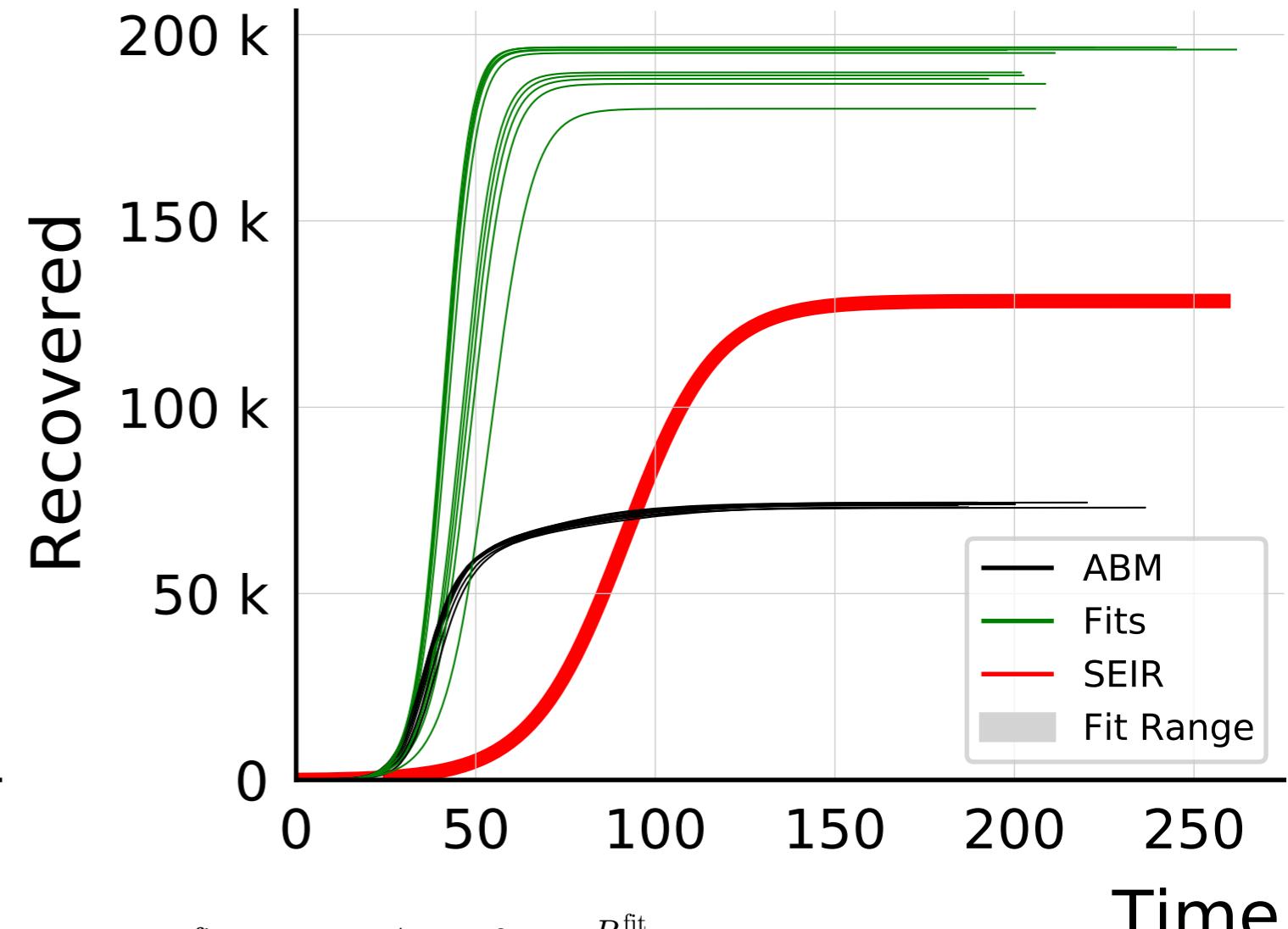
$$\frac{R_{\infty}^{\text{fit}}}{R_{\inf}^{\text{fit}}} = 1.023 \pm 0.0093$$

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



$$I_{\max}^{\text{fit}} = 43_{-7}^{+8} \cdot 10^3$$

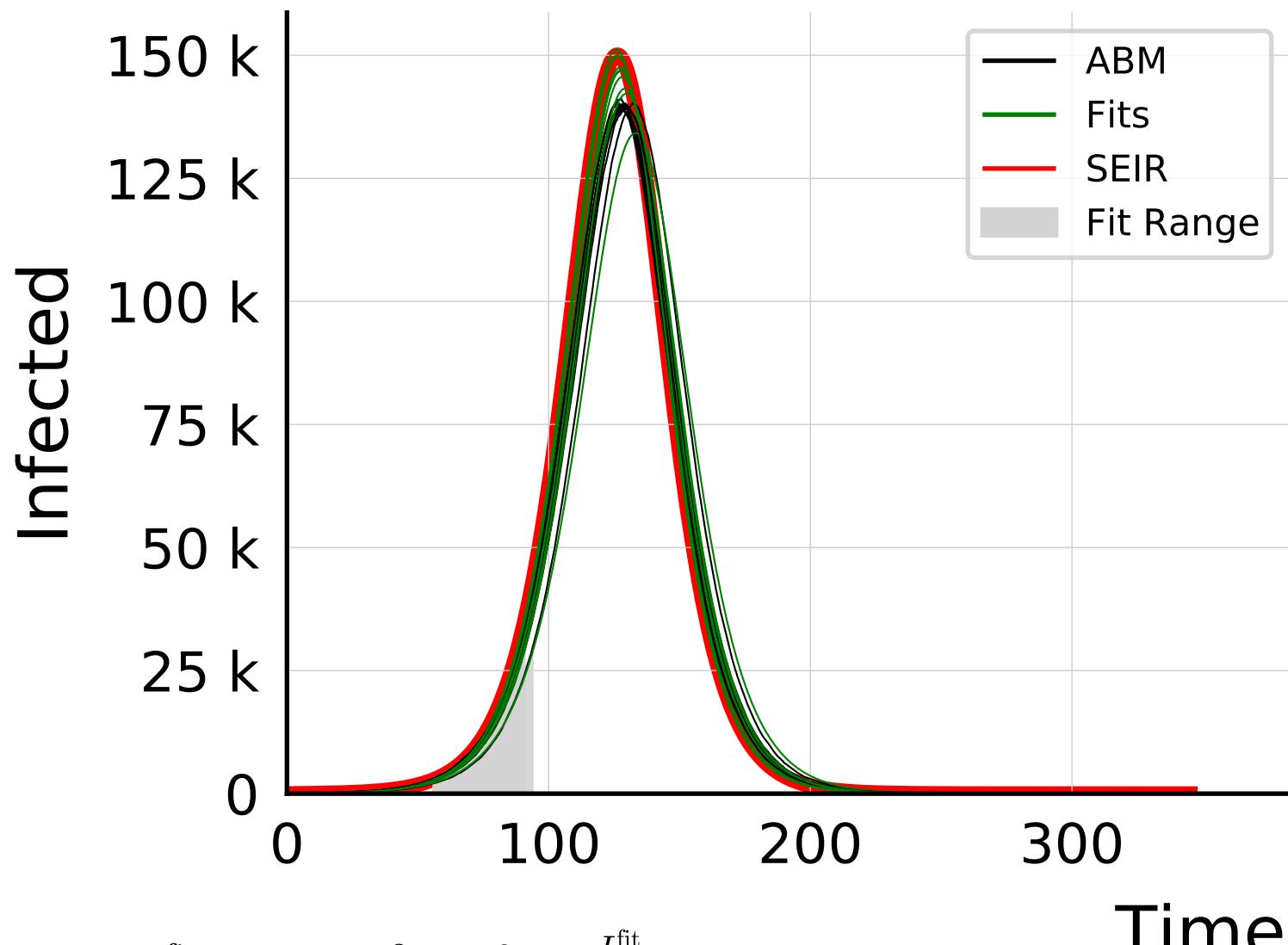
$$\frac{I_{\max}^{\text{fit}}}{I_{\max}^{\text{ABM}}} = 3 \pm 0.16$$



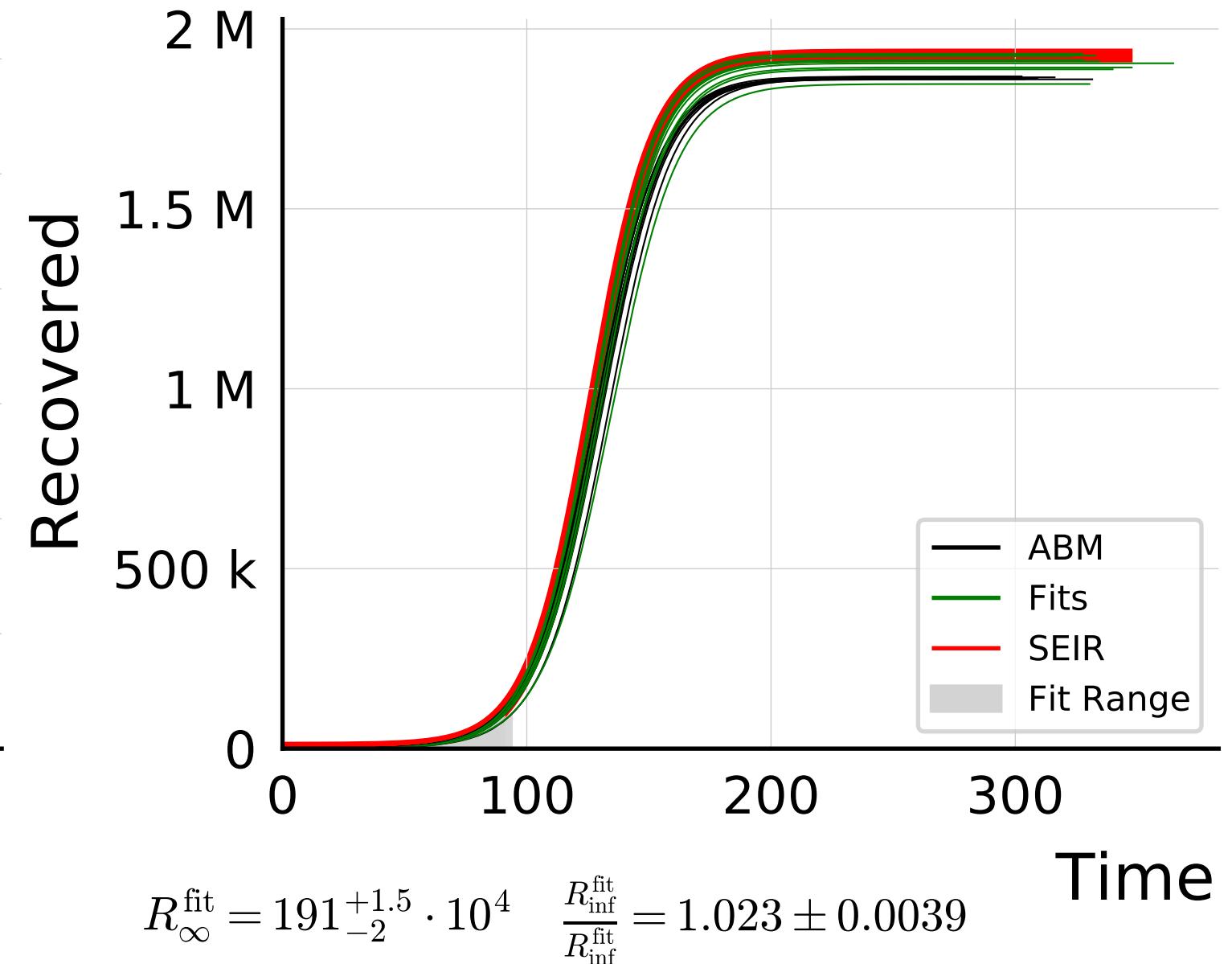
$$R_{\infty}^{\text{fit}} = 192_{-6}^{+4} \cdot 10^3$$

$$\frac{R_{\text{inf}}^{\text{fit}}}{R_{\text{inf}}} = 2.59 \pm 0.022$$

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

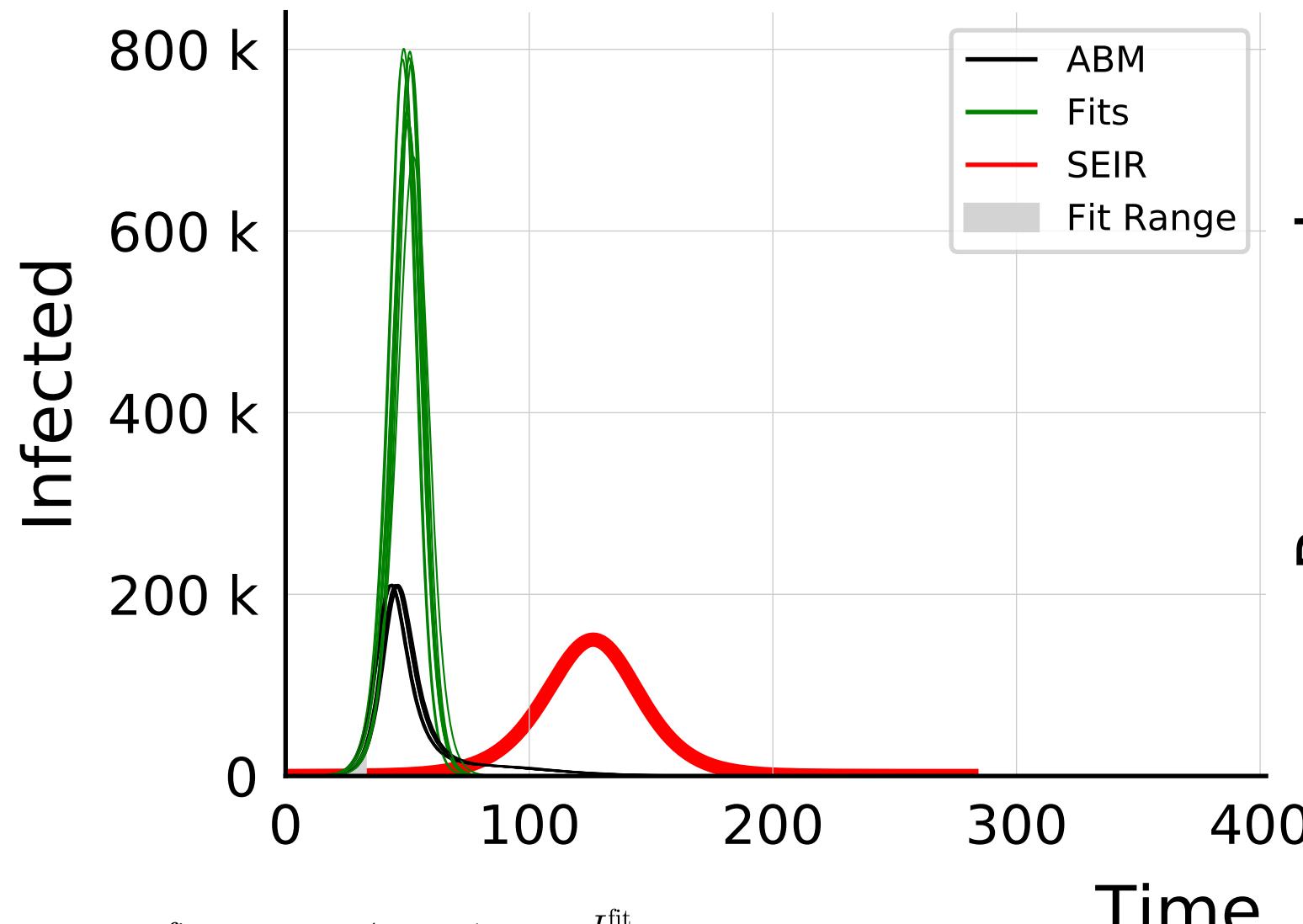


$$I_{\max}^{\text{fit}} = 147^{+3}_{-5} \cdot 10^3 \quad \frac{I_{\max}^{\text{fit}}}{I_{\max}^{\text{ABM}}} = 1.04 \pm 0.011$$



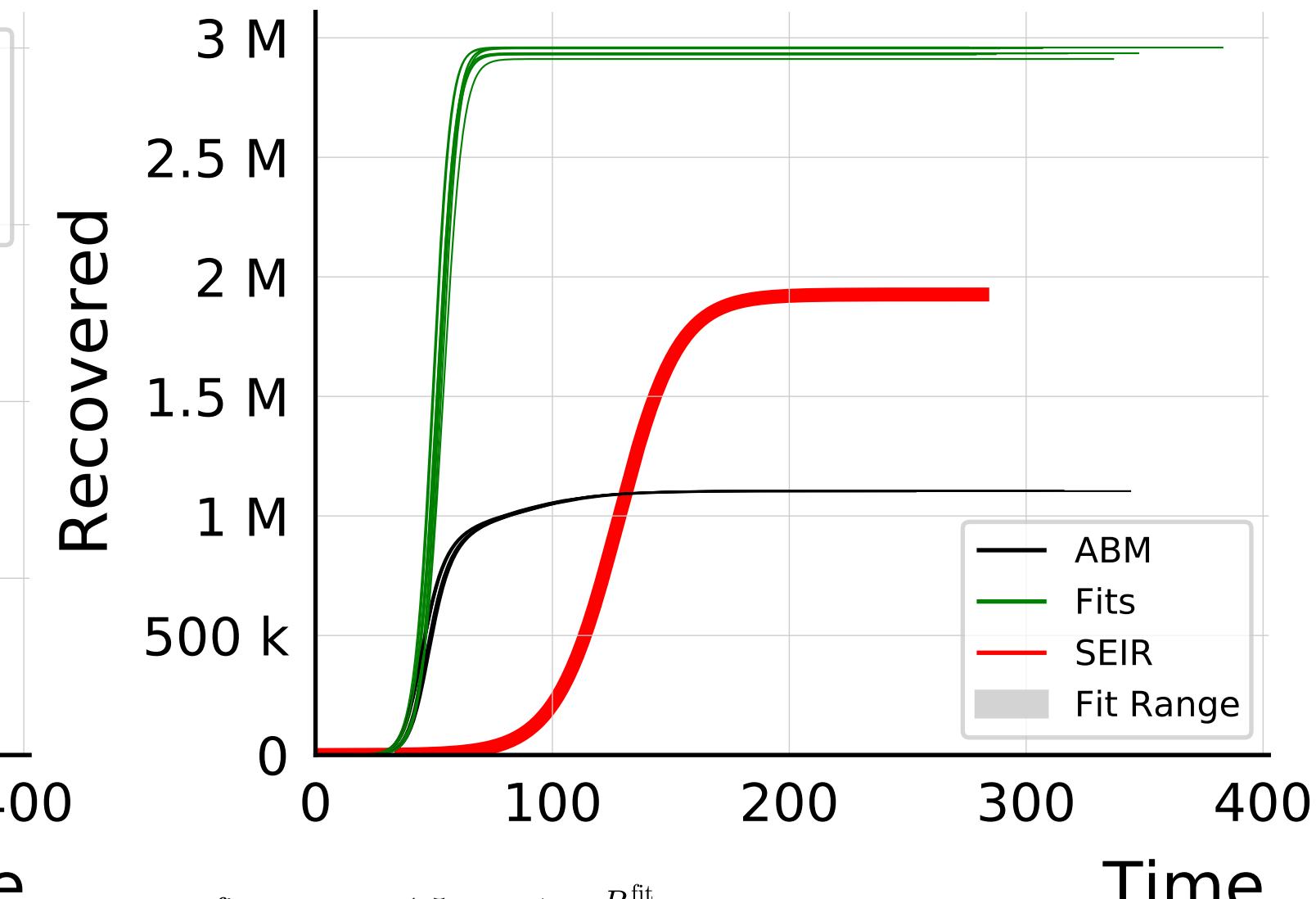
$$R_{\infty}^{\text{fit}} = 191^{+1.5}_{-2} \cdot 10^4 \quad \frac{R_{\text{inf}}^{\text{fit}}}{R_{\text{inf}}} = 1.023 \pm 0.0039$$

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



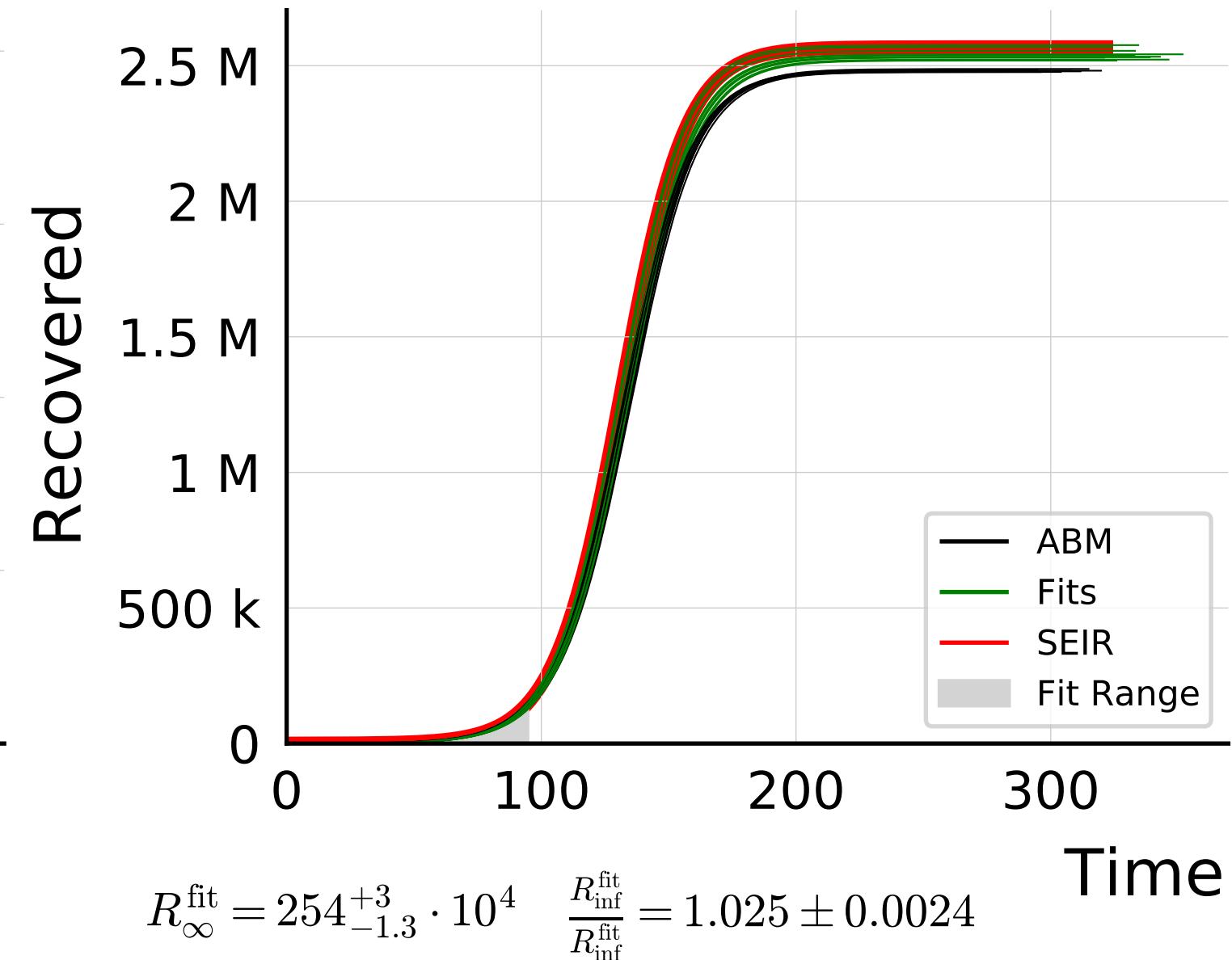
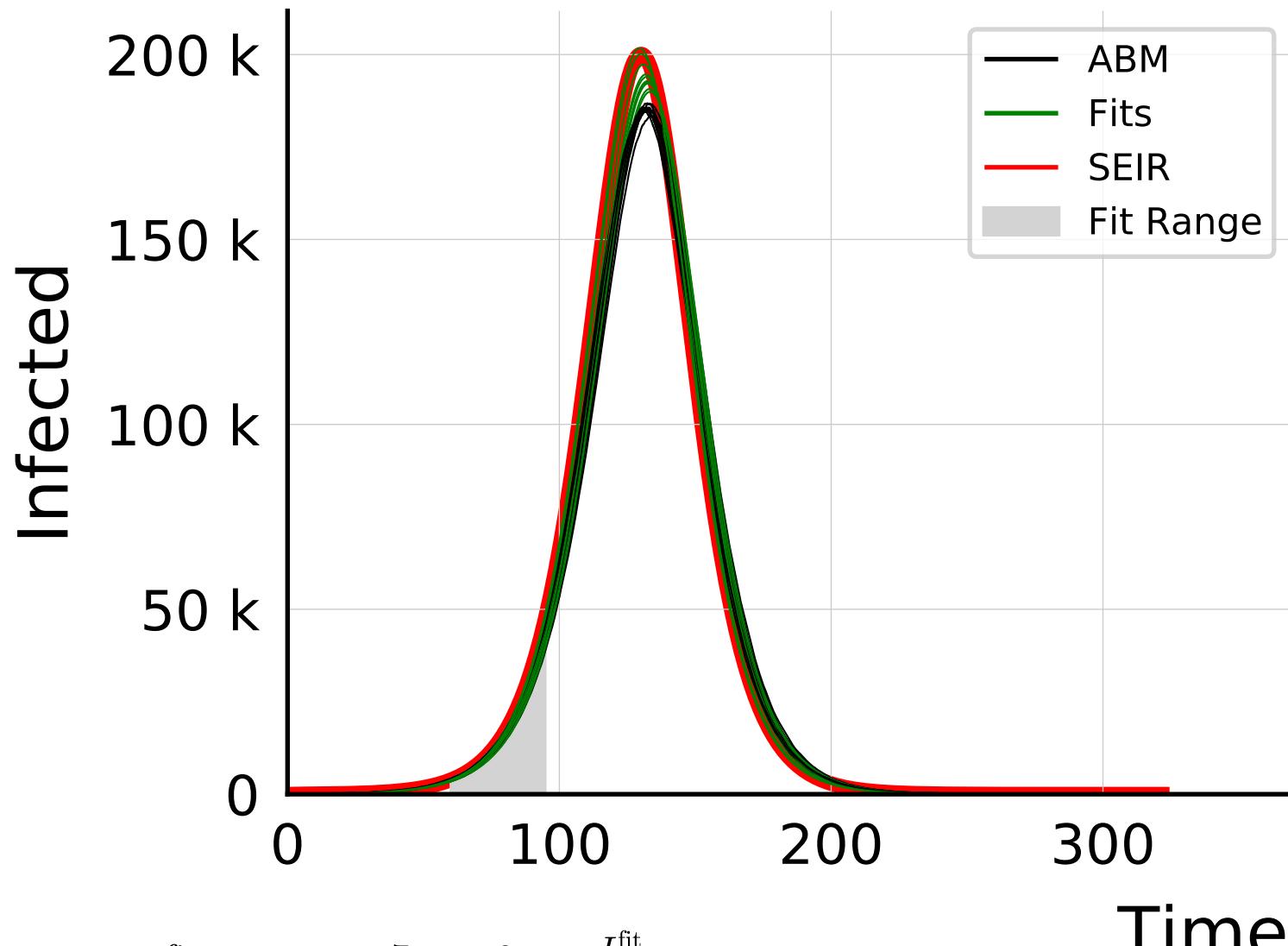
$$I_{\max}^{\text{fit}} = 75^{+4}_{-4} \cdot 10^4$$

$$\frac{I_{\max}^{\text{fit}}}{I_{\max}^{\text{ABM}}} = 3.59 \pm 0.061$$

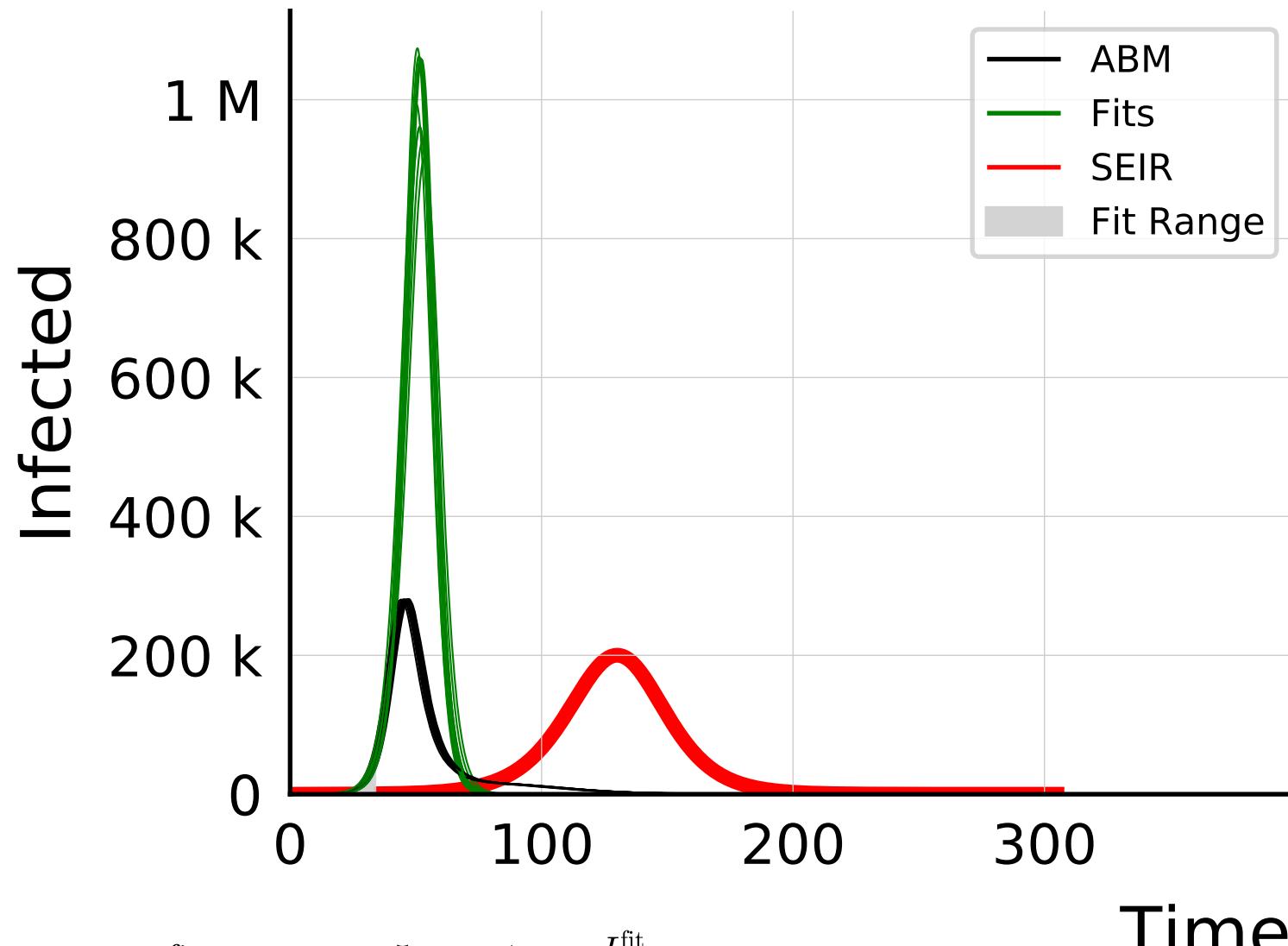


$$R_{\infty}^{\text{fit}} = 294^{+1.5}_{-1.4} \cdot 10^4 \quad \frac{R_{\text{inf}}^{\text{fit}}}{R_{\text{inf}}} = 2.663 \pm 0.0045$$

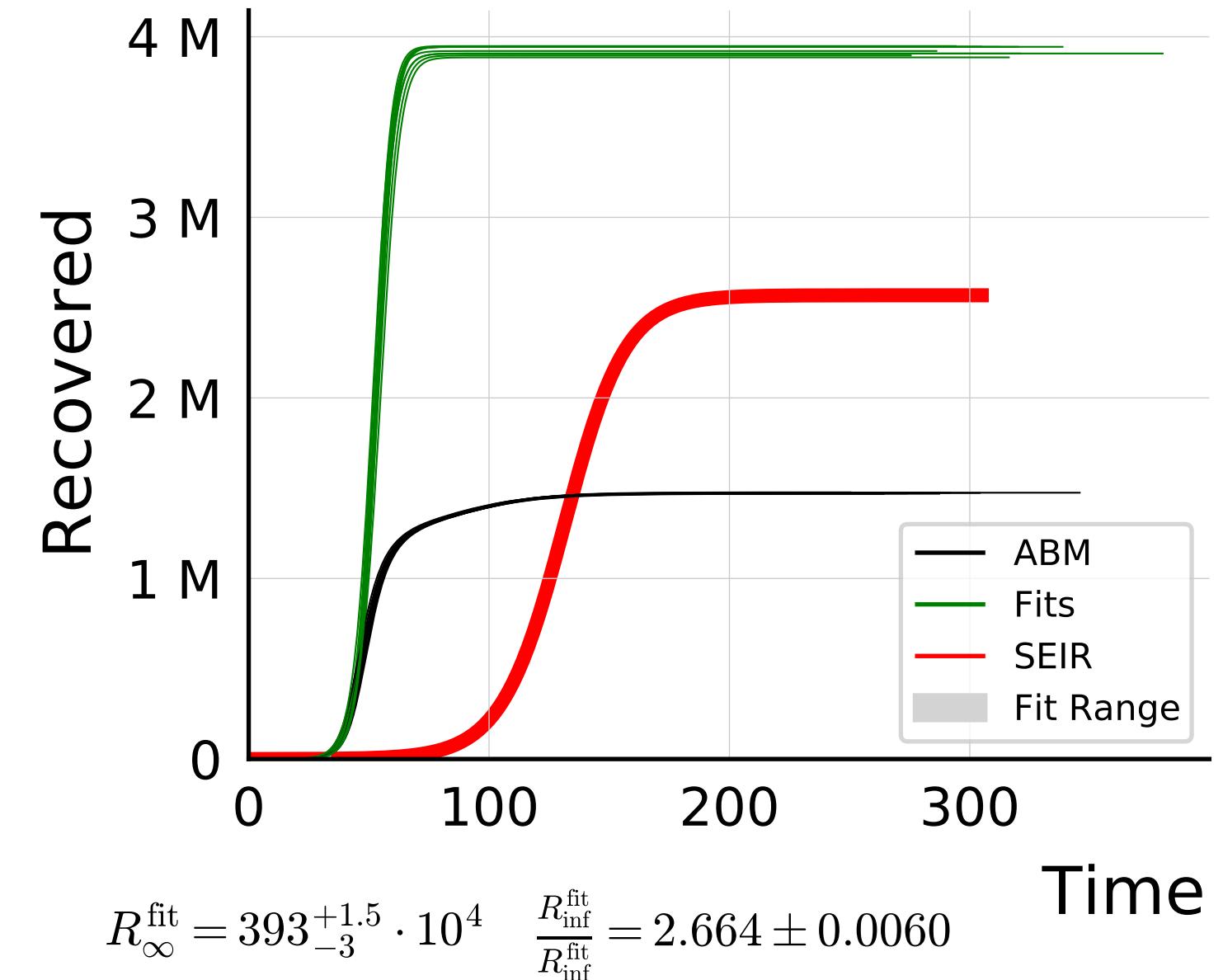
$N_{\text{tot}} = 4M$, $N_{\text{init}} = 100$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, #10



$N_{\text{tot}} = 4M$, $N_{\text{init}} = 100$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, #10

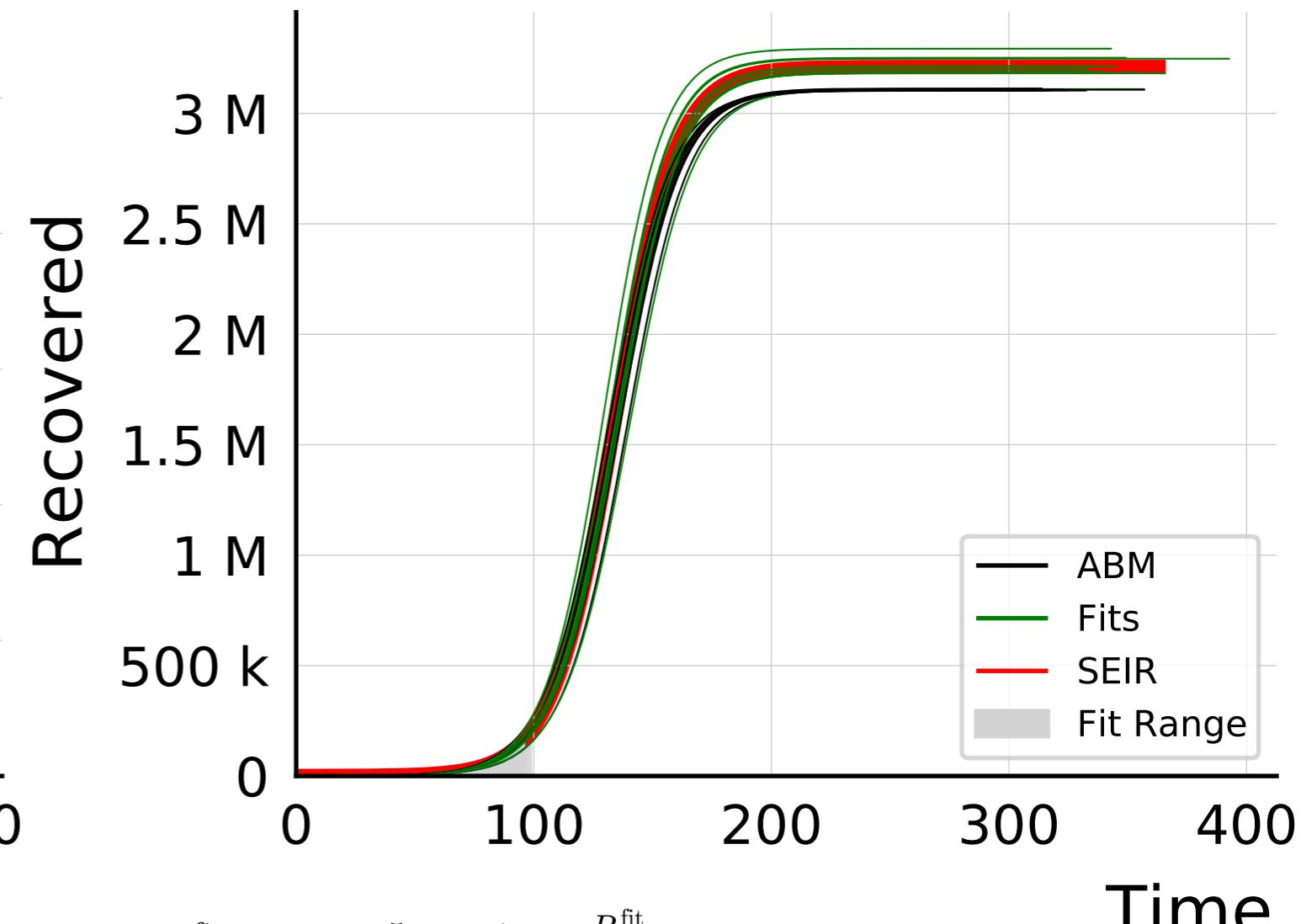
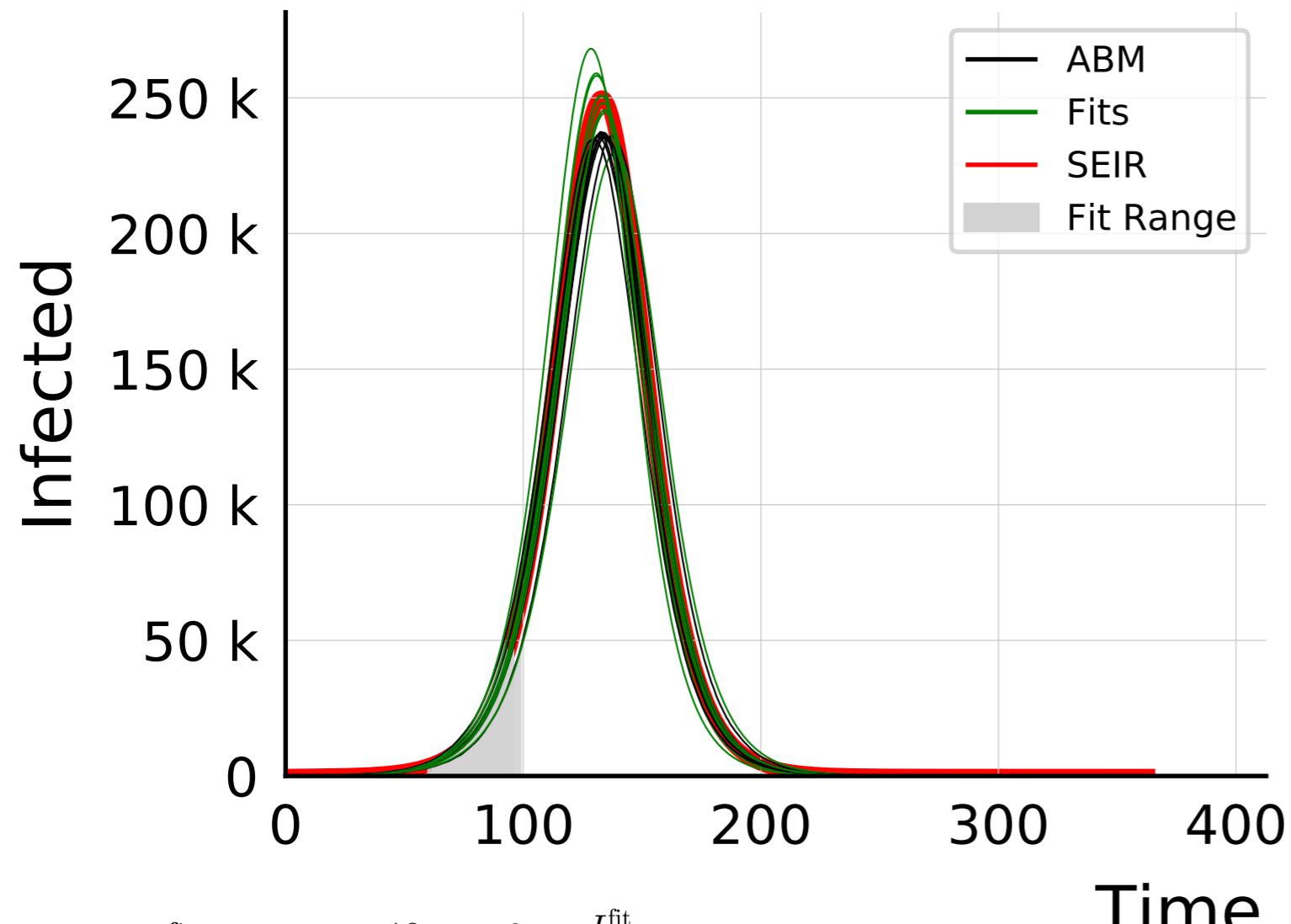


$$I_{\max}^{\text{fit}} = 102_{-8}^{+5} \cdot 10^4 \quad \frac{I_{\max}^{\text{fit}}}{I_{\max}^{\text{ABM}}} = 3.59 \pm 0.064$$

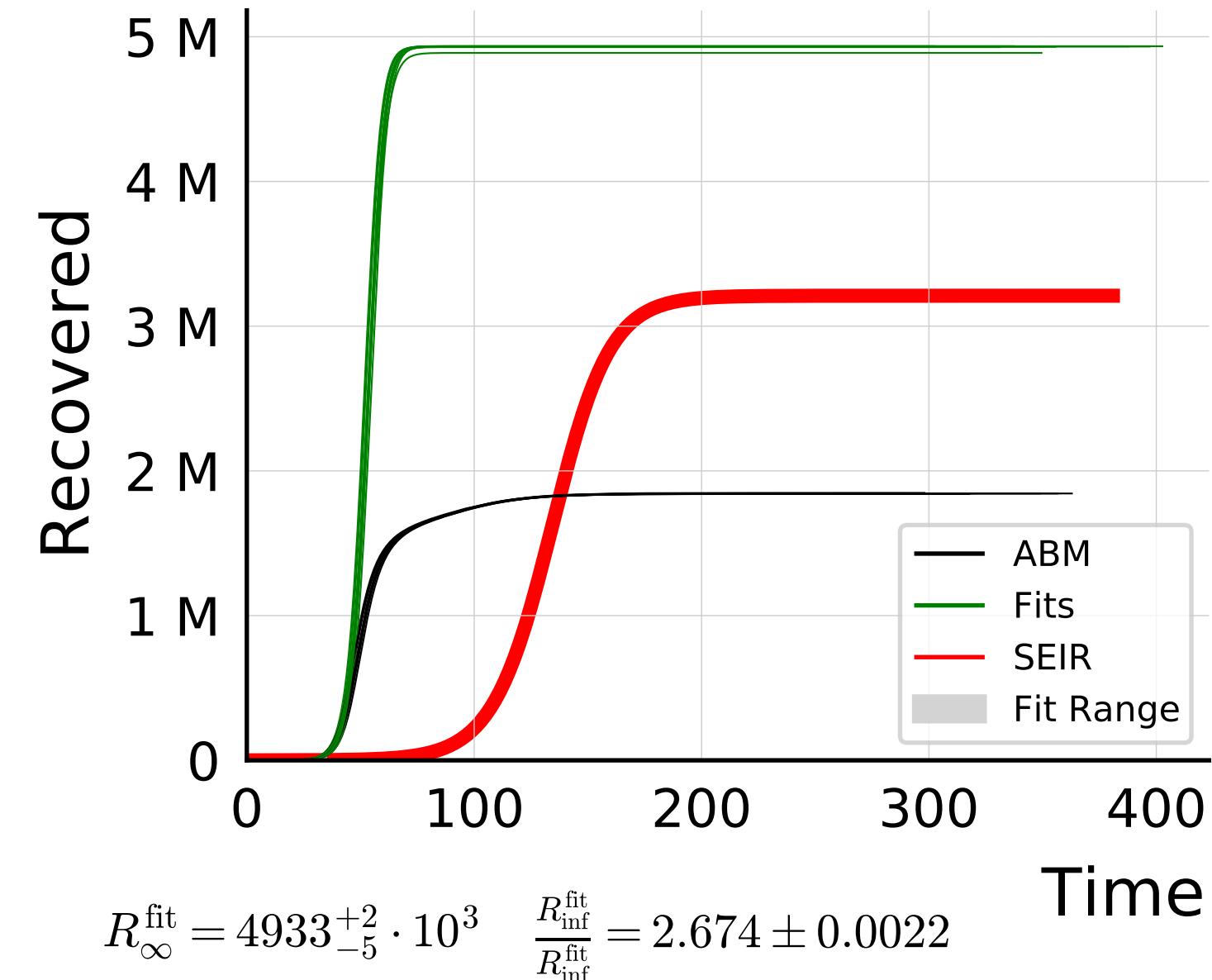
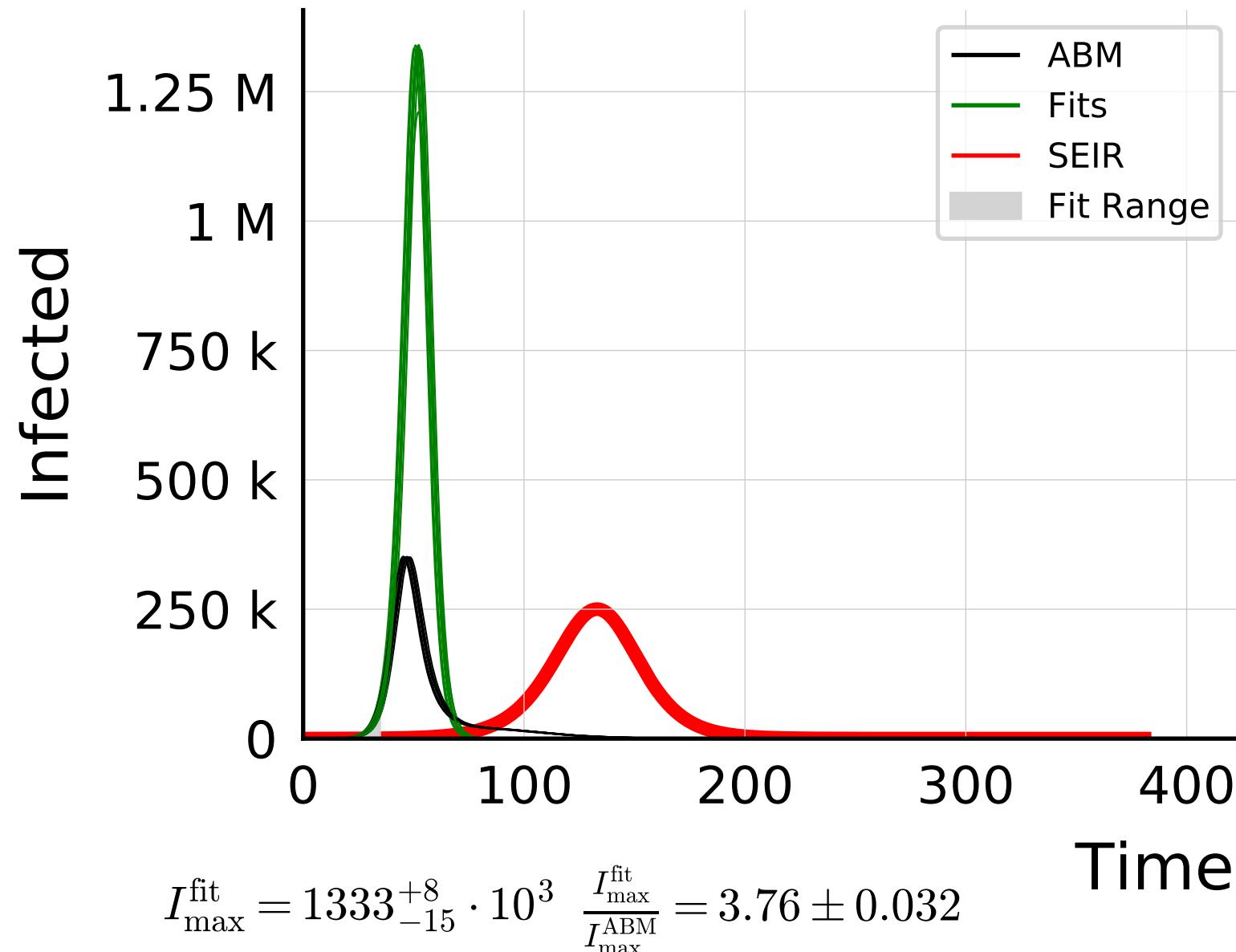


$$R_{\infty}^{\text{fit}} = 393_{-3}^{+1.5} \cdot 10^4 \quad \frac{R_{\infty}^{\text{fit}}}{R_{\text{inf}}^{\text{fit}}} = 2.664 \pm 0.0060$$

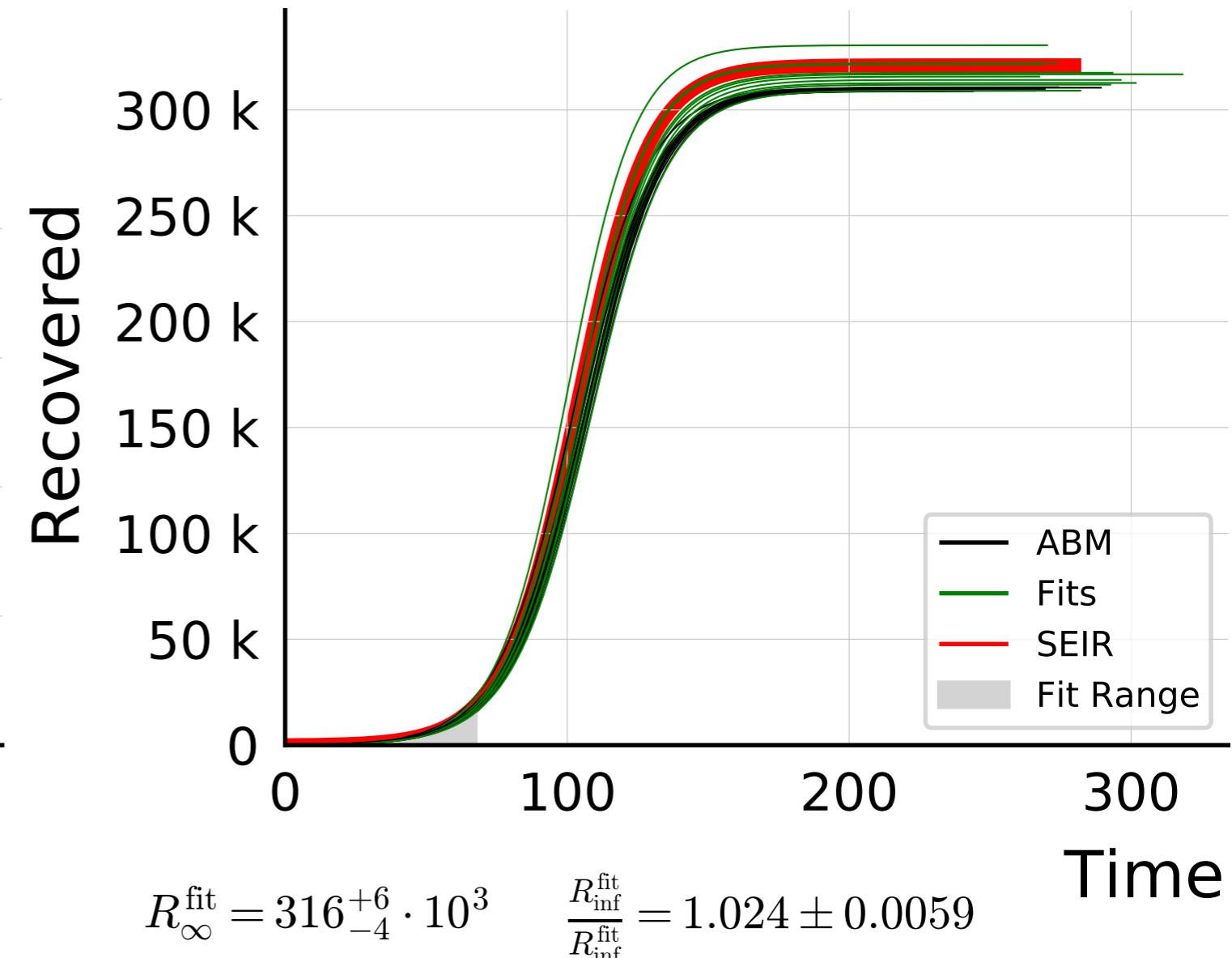
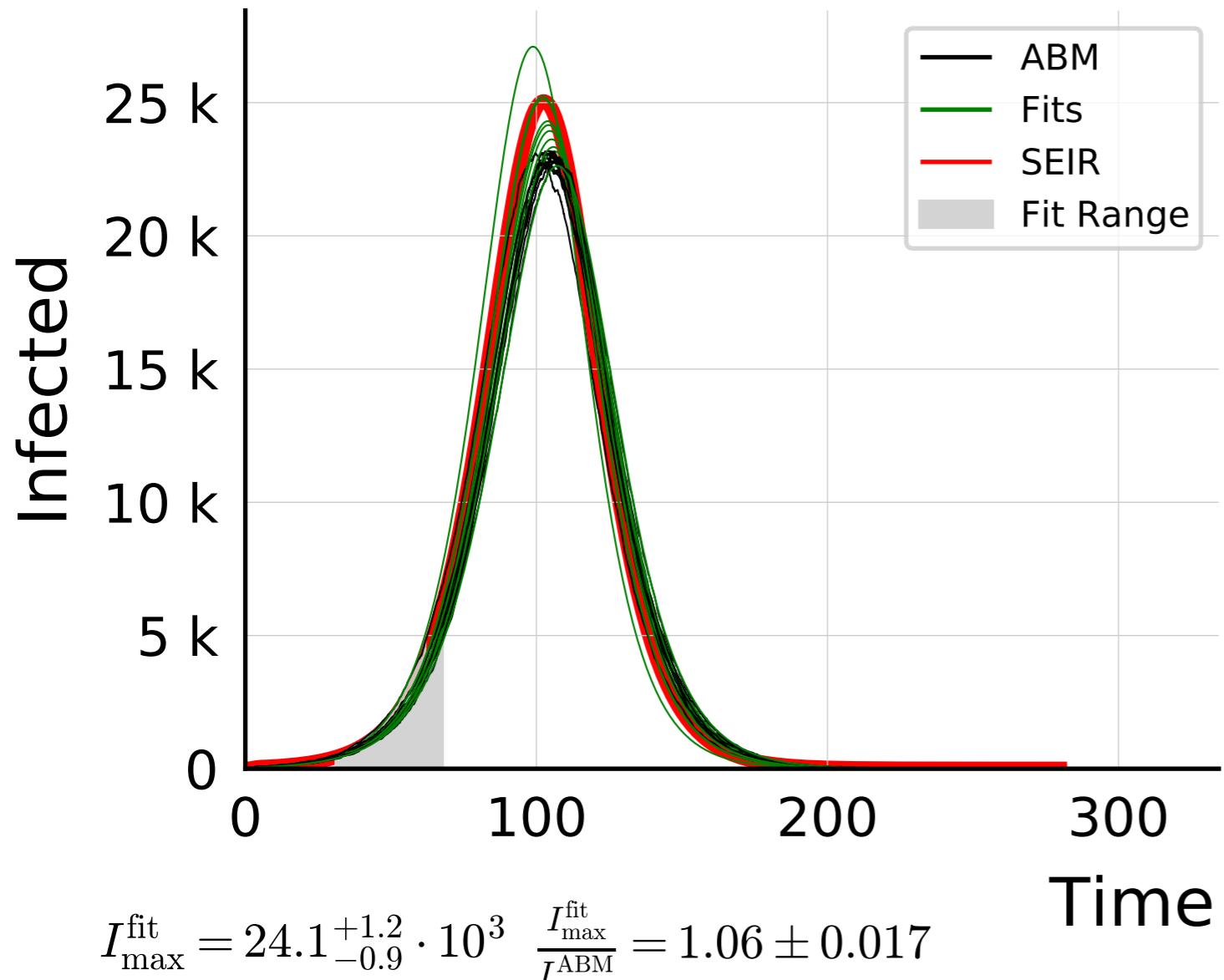
$N_{\text{tot}} = 5M$, $N_{\text{init}} = 100$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, #10



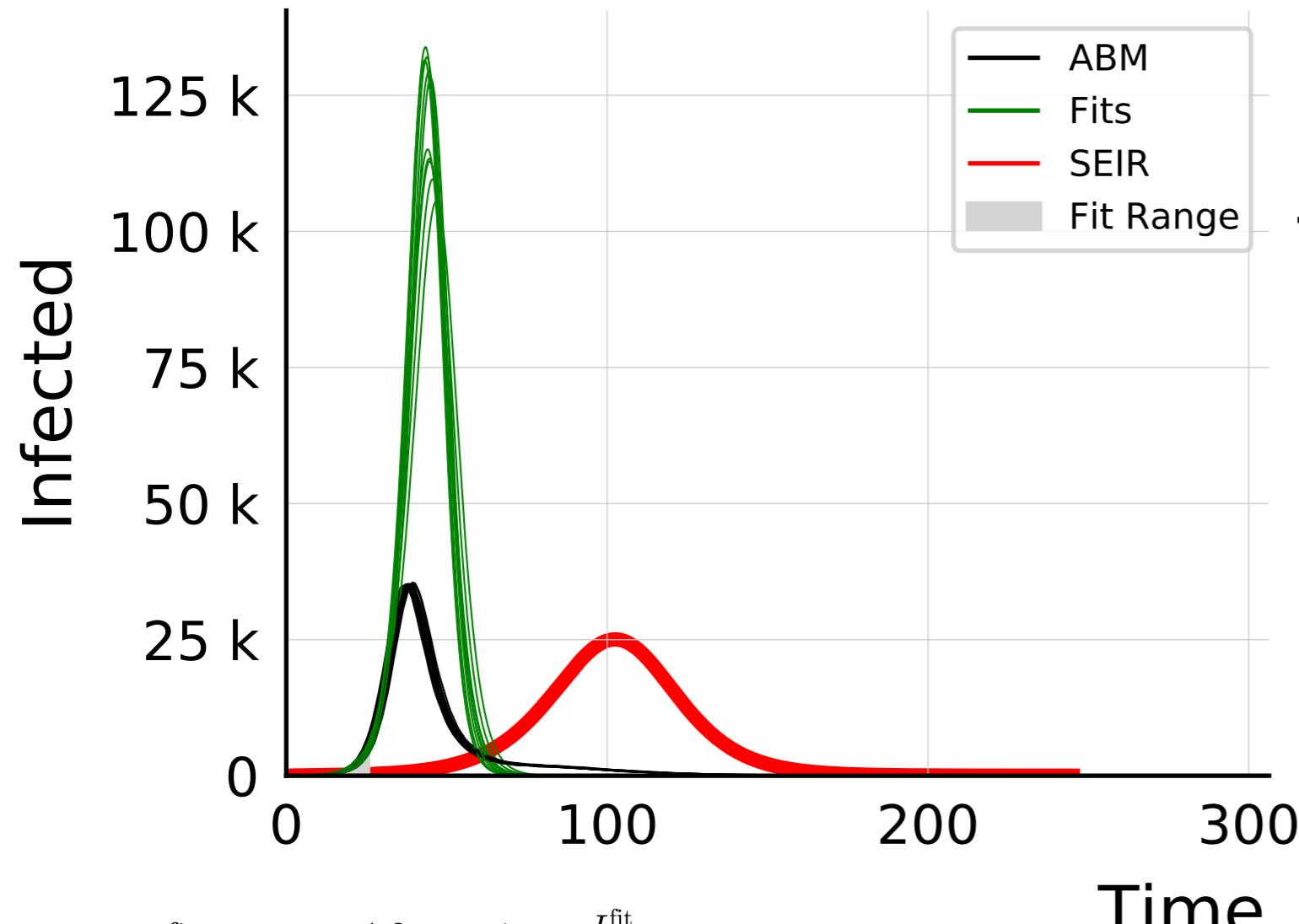
$N_{\text{tot}} = 5M$, $N_{\text{init}} = 100$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, #10



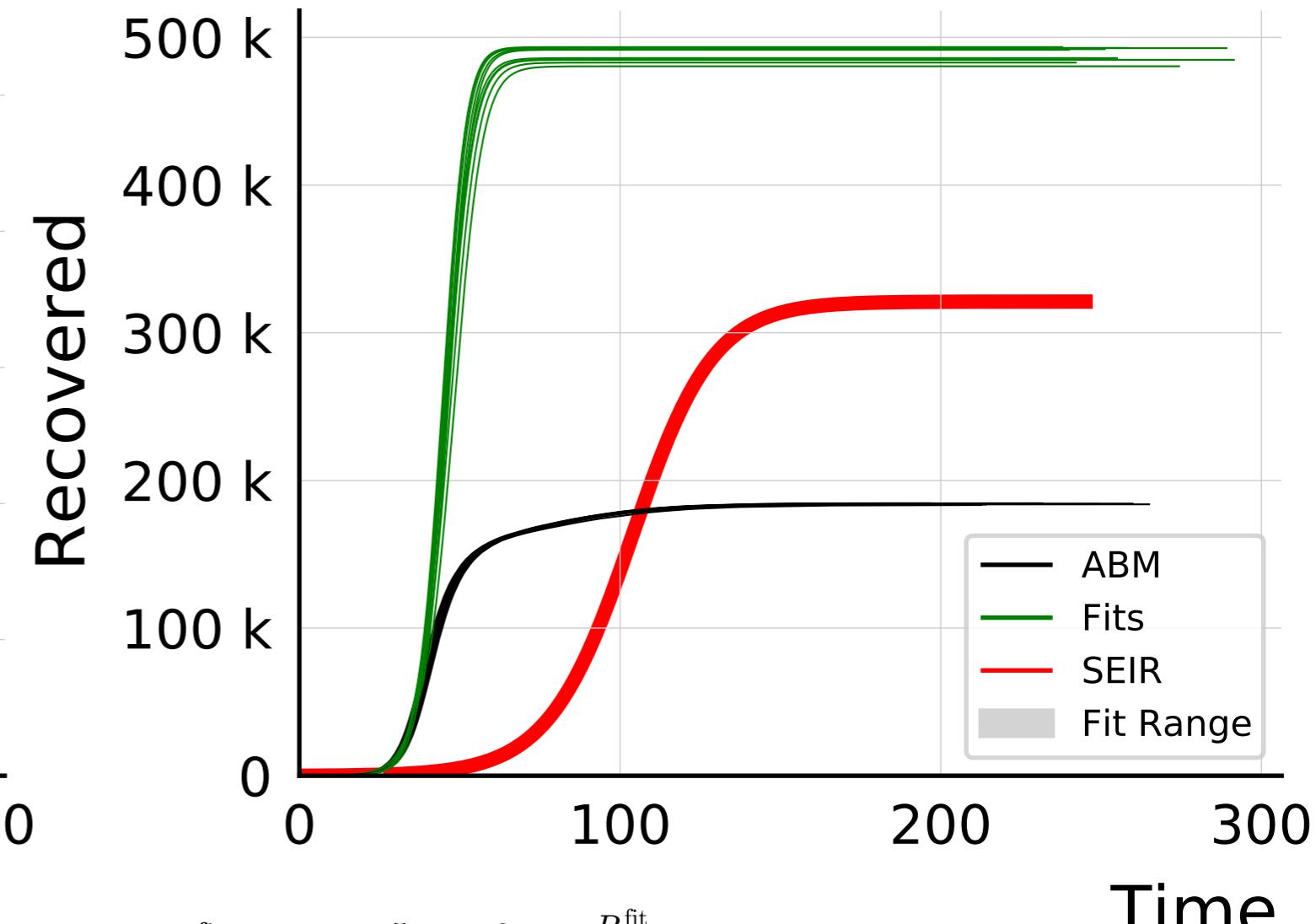
$N_{\text{tot}} = 500K$, $N_{\text{init}} = 100$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, #10



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

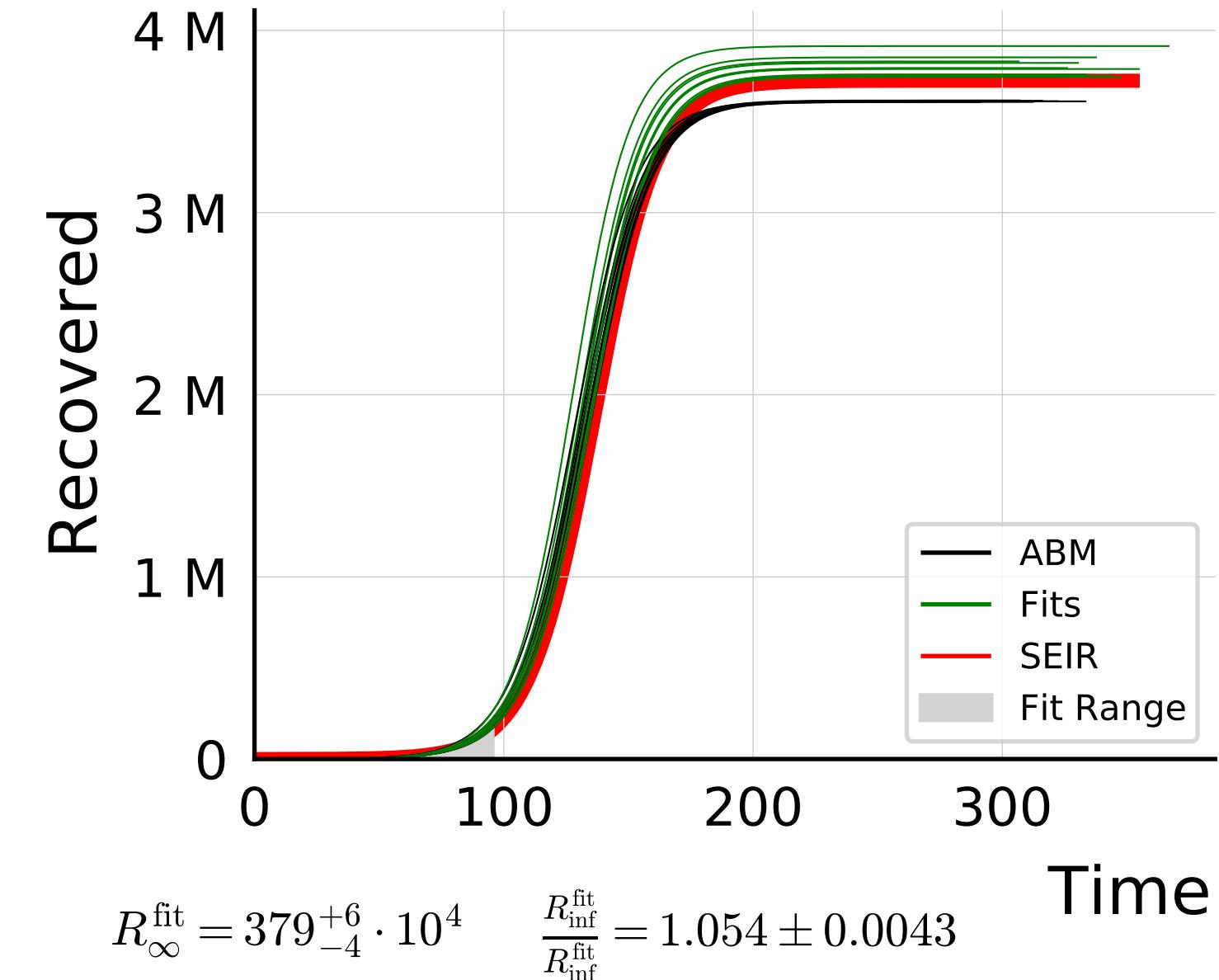
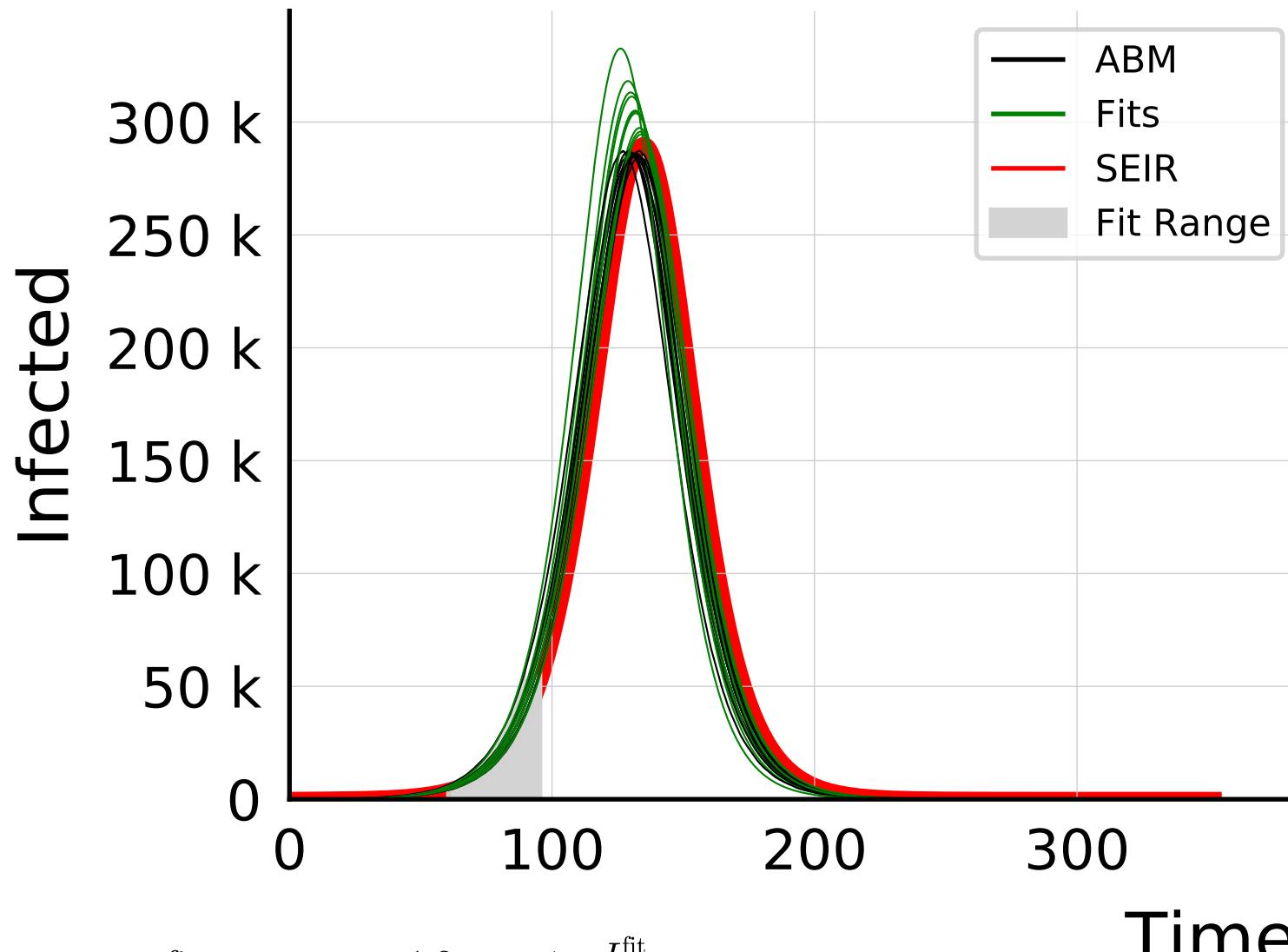


$$I_{\max}^{\text{fit}} = 12^{+1.3}_{-1.0} \cdot 10^4 \quad \frac{I_{\max}^{\text{fit}}}{I_{\max}^{\text{ABM}}} = 3.44 \pm 0.089$$

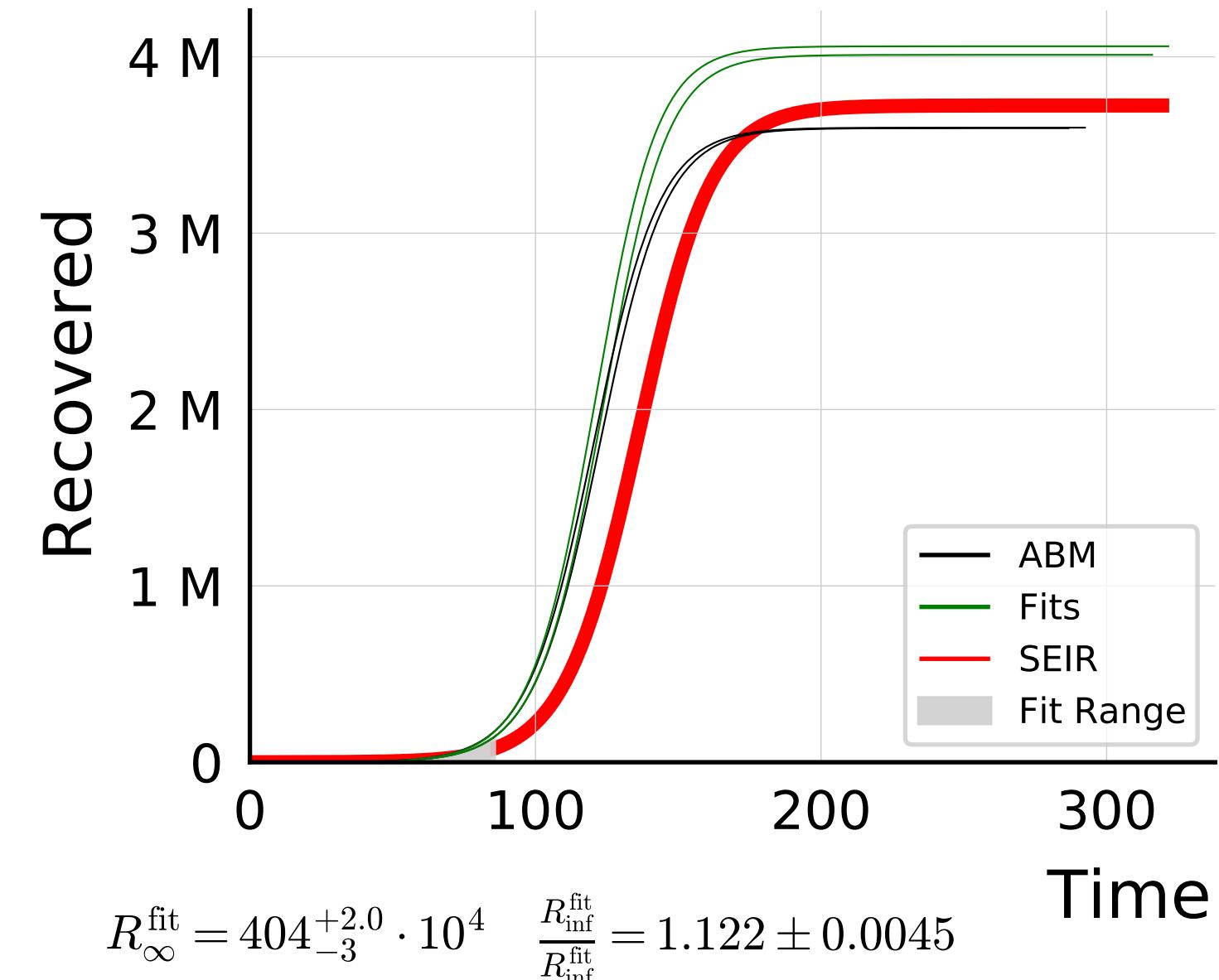
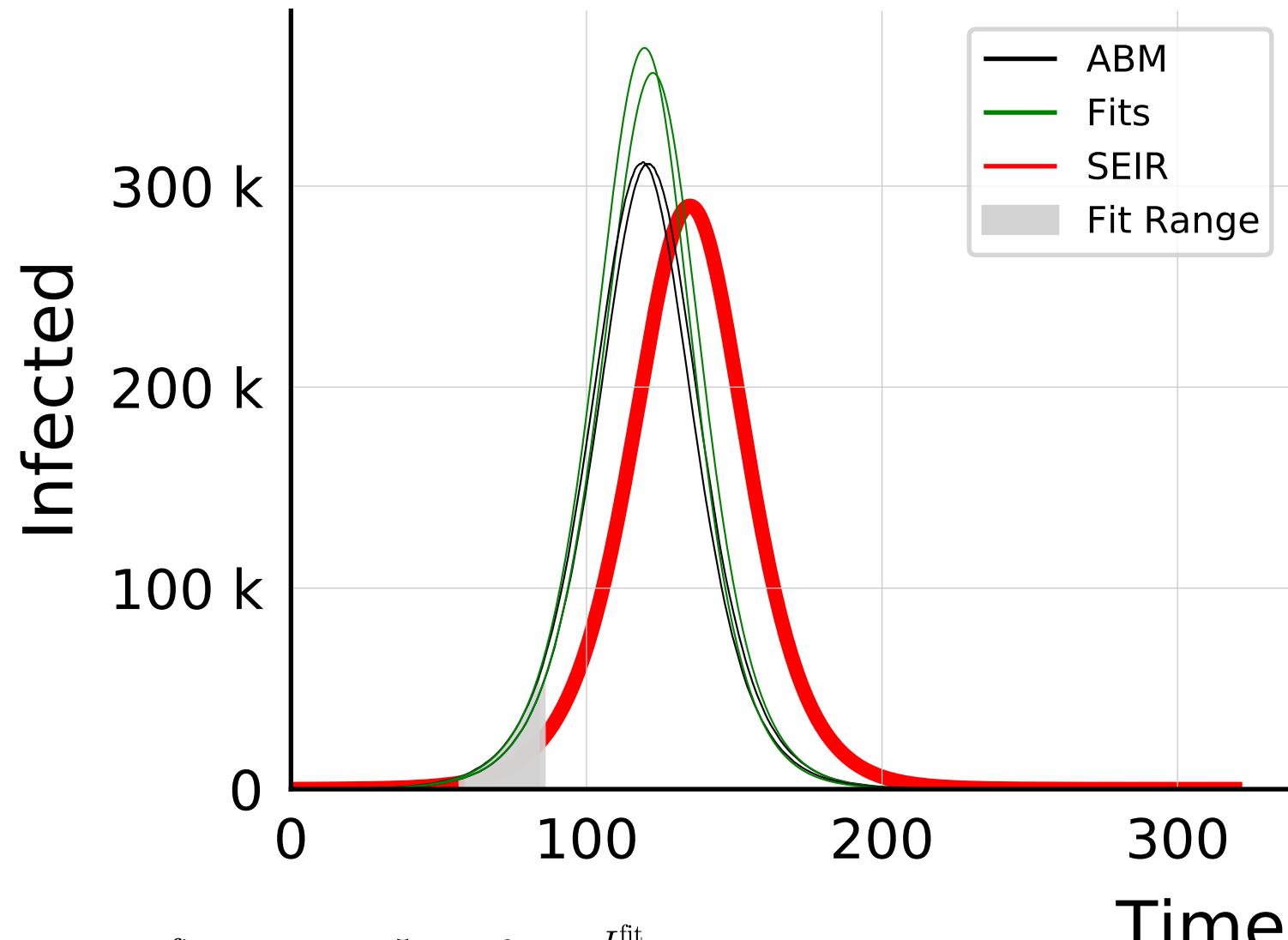


$$R_{\infty}^{\text{fit}} = 488^{+5}_{-5} \cdot 10^3 \quad \frac{R_{\infty}^{\text{fit}}}{R_{\text{inf}}^{\text{fit}}} = 2.651 \pm 0.0085$$

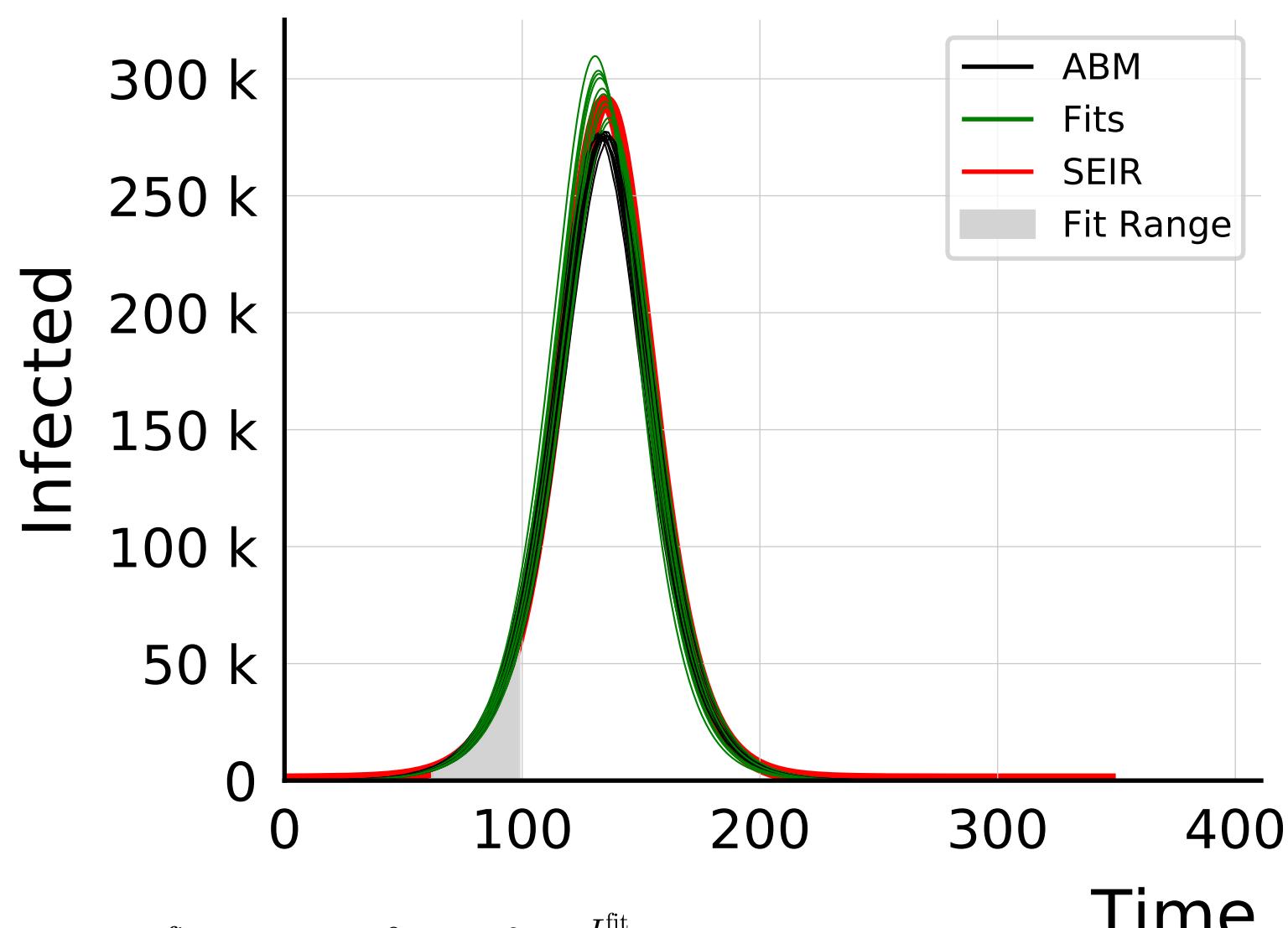
$N_{\text{tot}} = 5.8M$, $N_{\text{init}} = 100$, $\rho = 0.005$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, #10



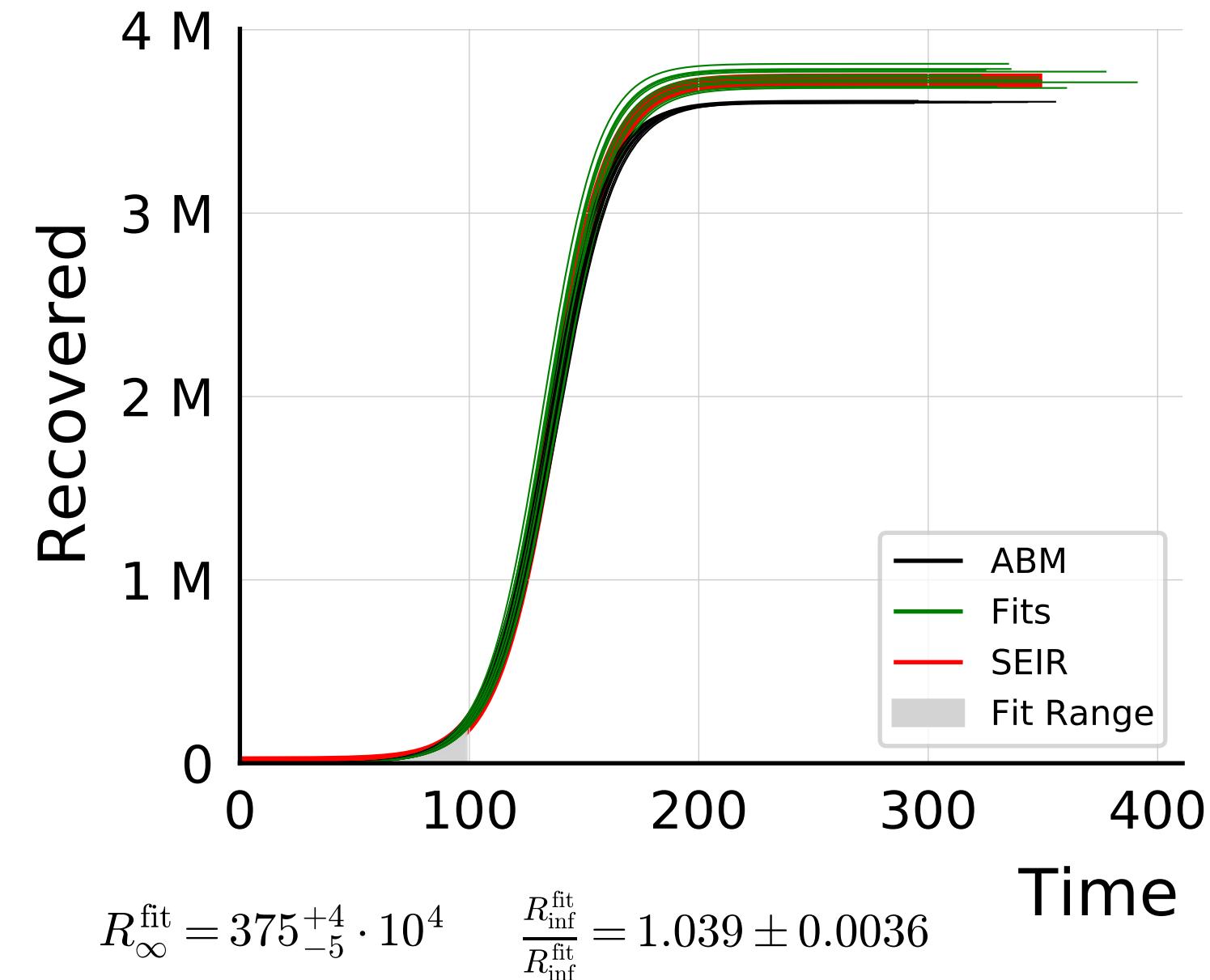
$N_{\text{tot}} = 5.8M$, $N_{\text{init}} = 100$, $\rho = 0.01$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, #2



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

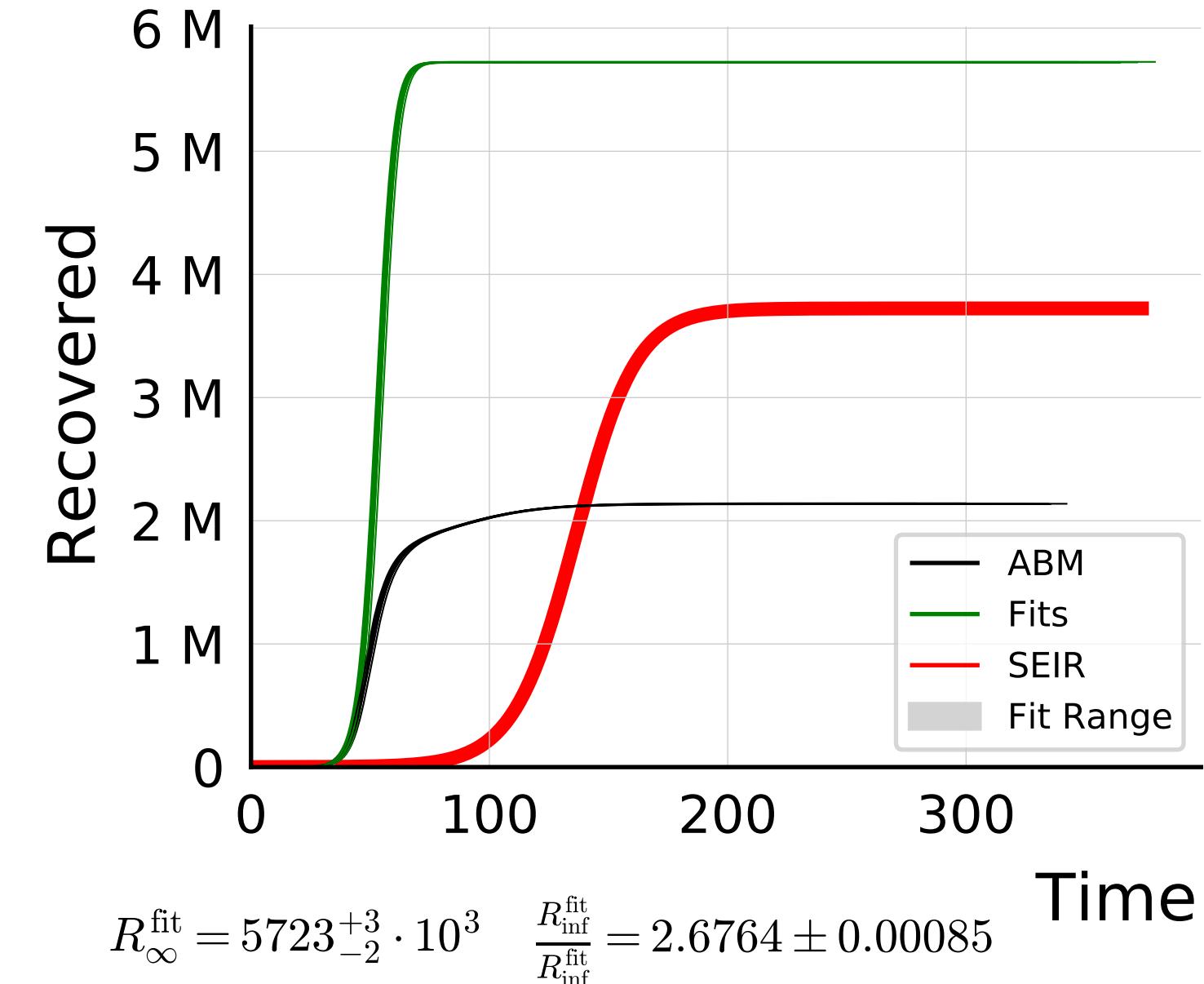
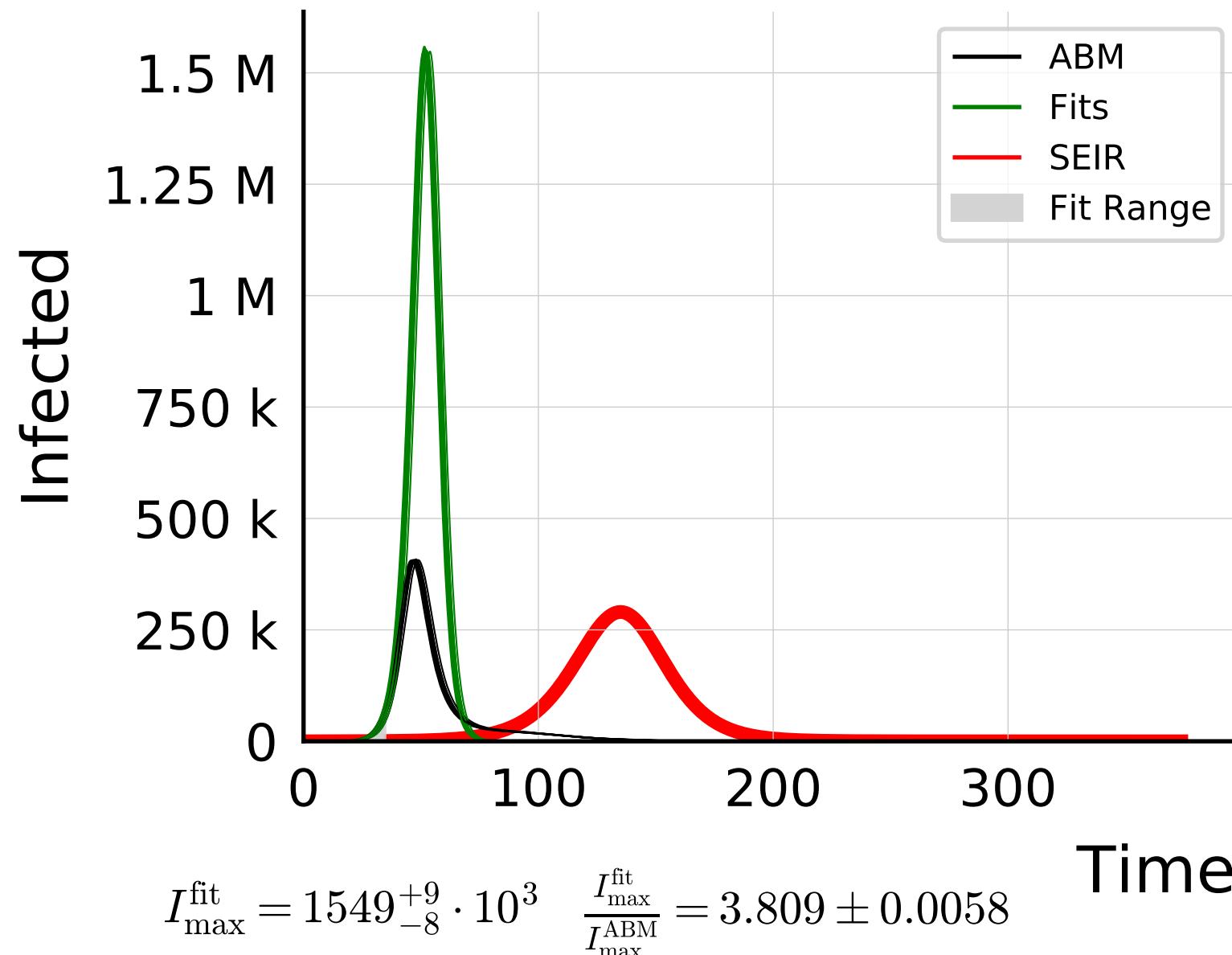


$$I_{\max}^{\text{fit}} = 295_{-11}^{+9} \cdot 10^3 \quad \frac{I_{\max}^{\text{fit}}}{I_{\max}^{\text{ABM}}} = 1.069 \pm 0.0100$$

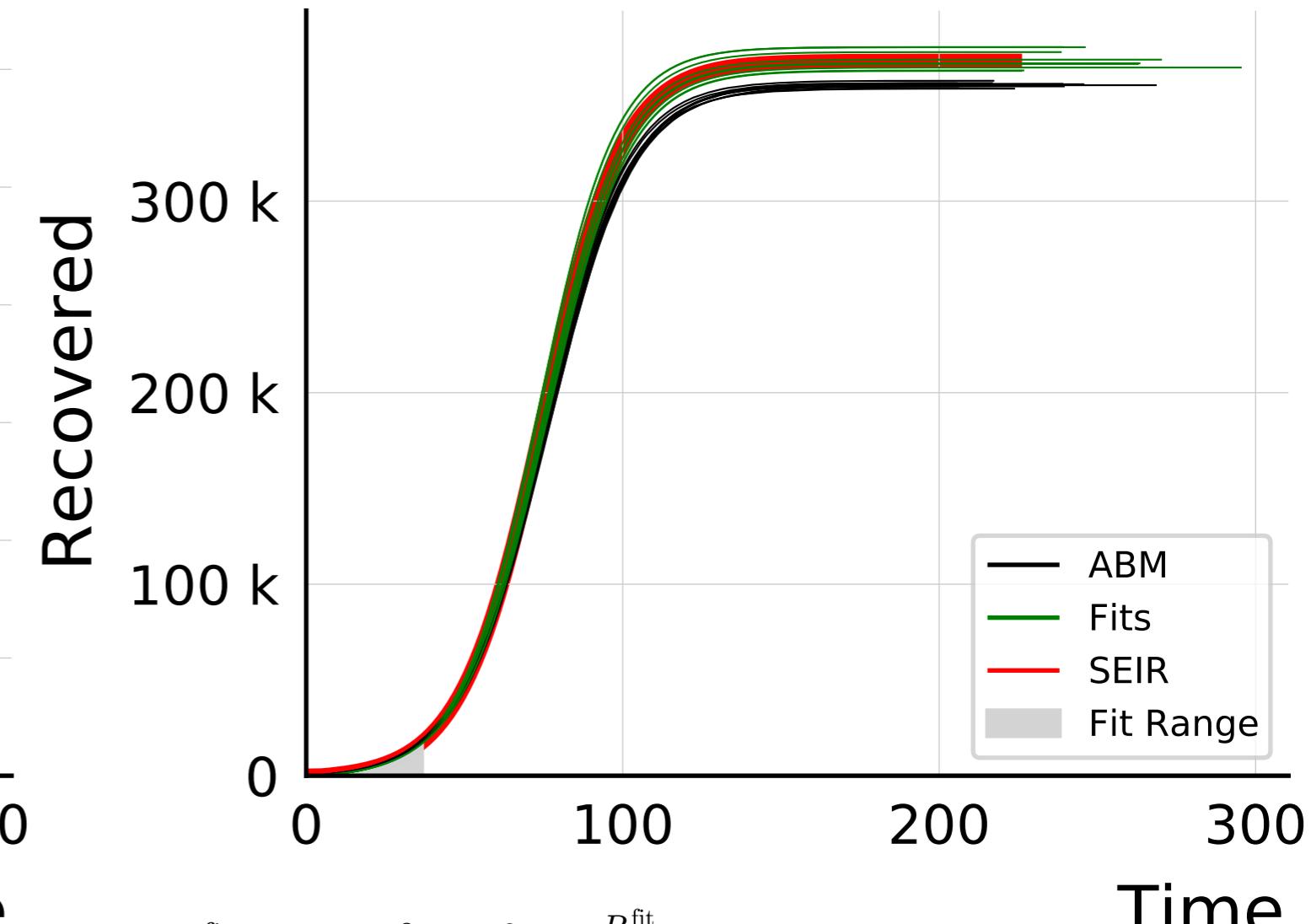
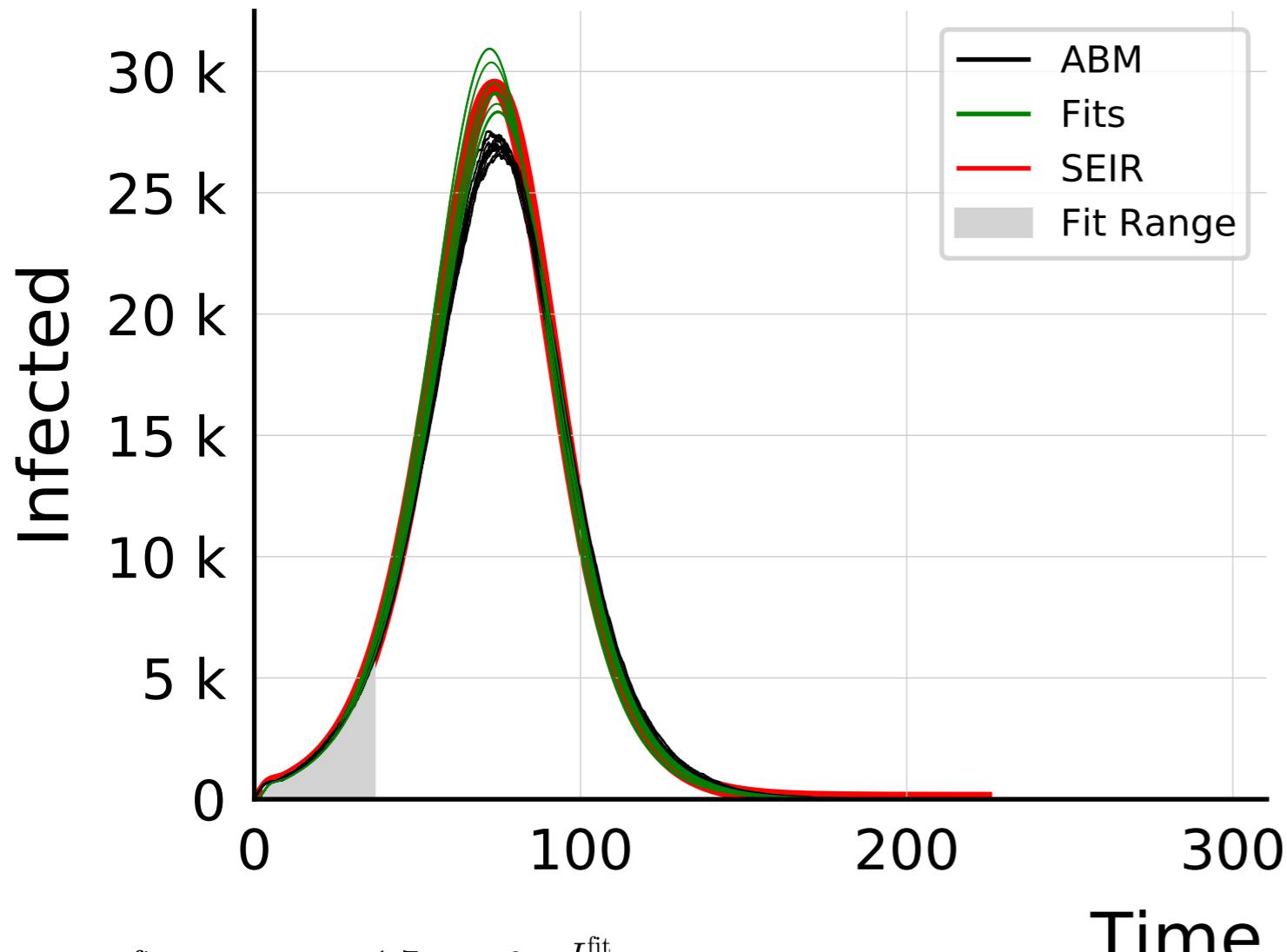


$$R_{\infty}^{\text{fit}} = 375_{-5}^{+4} \cdot 10^4 \quad \frac{R_{\text{inf}}^{\text{fit}}}{R_{\text{inf}}} = 1.039 \pm 0.0036$$

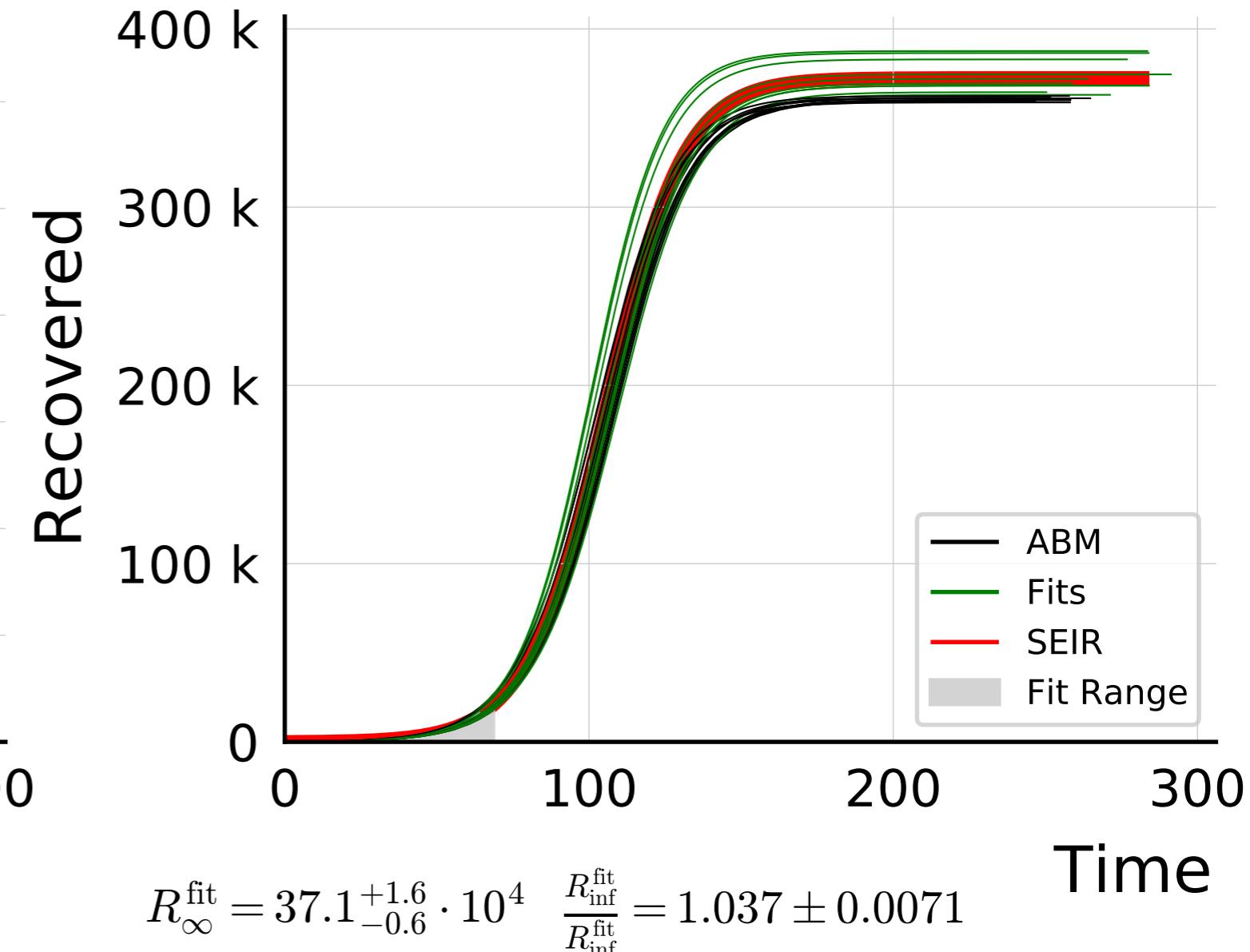
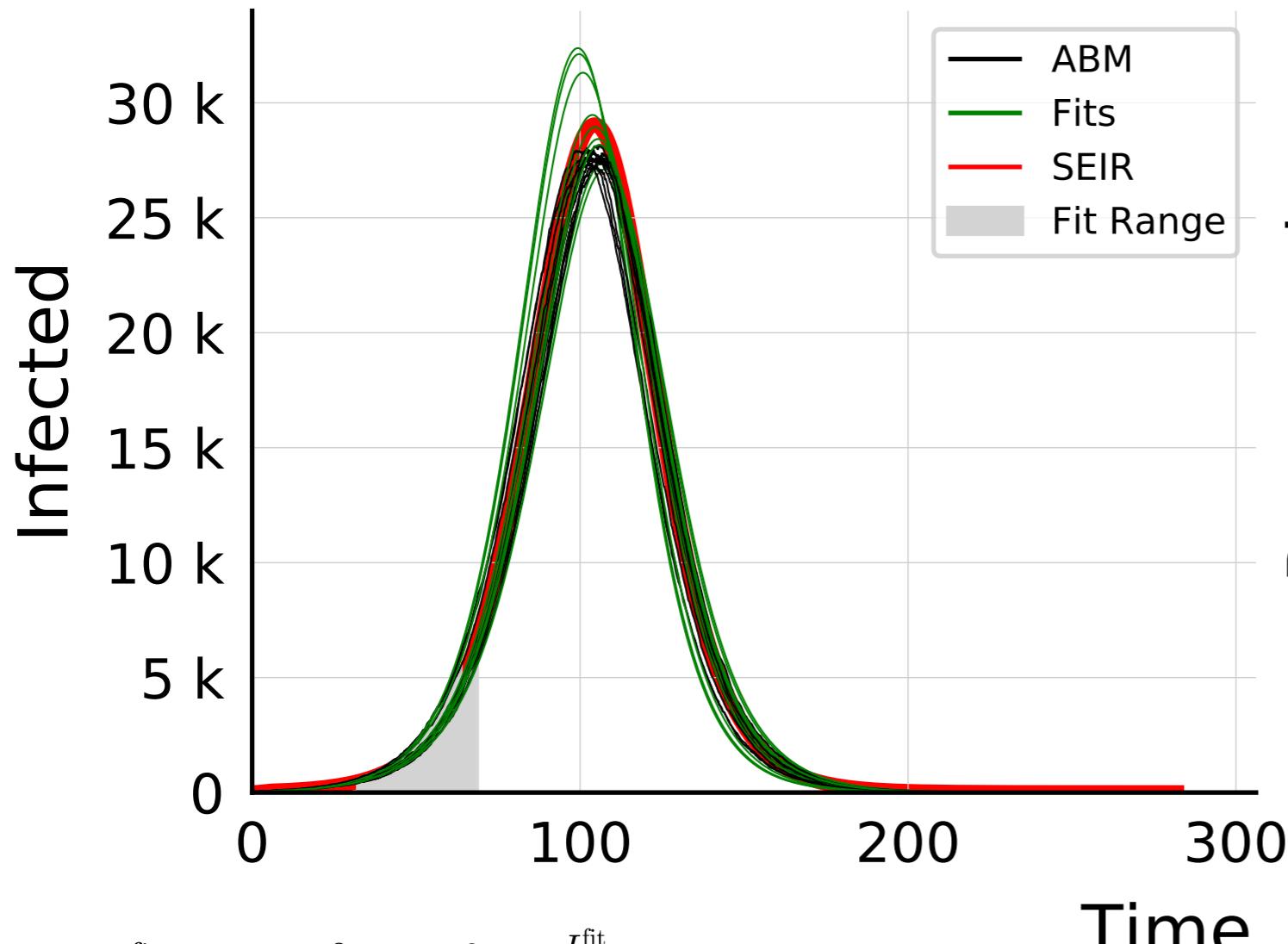
$N_{\text{tot}} = 5.8M$, $N_{\text{init}} = 100$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, #10



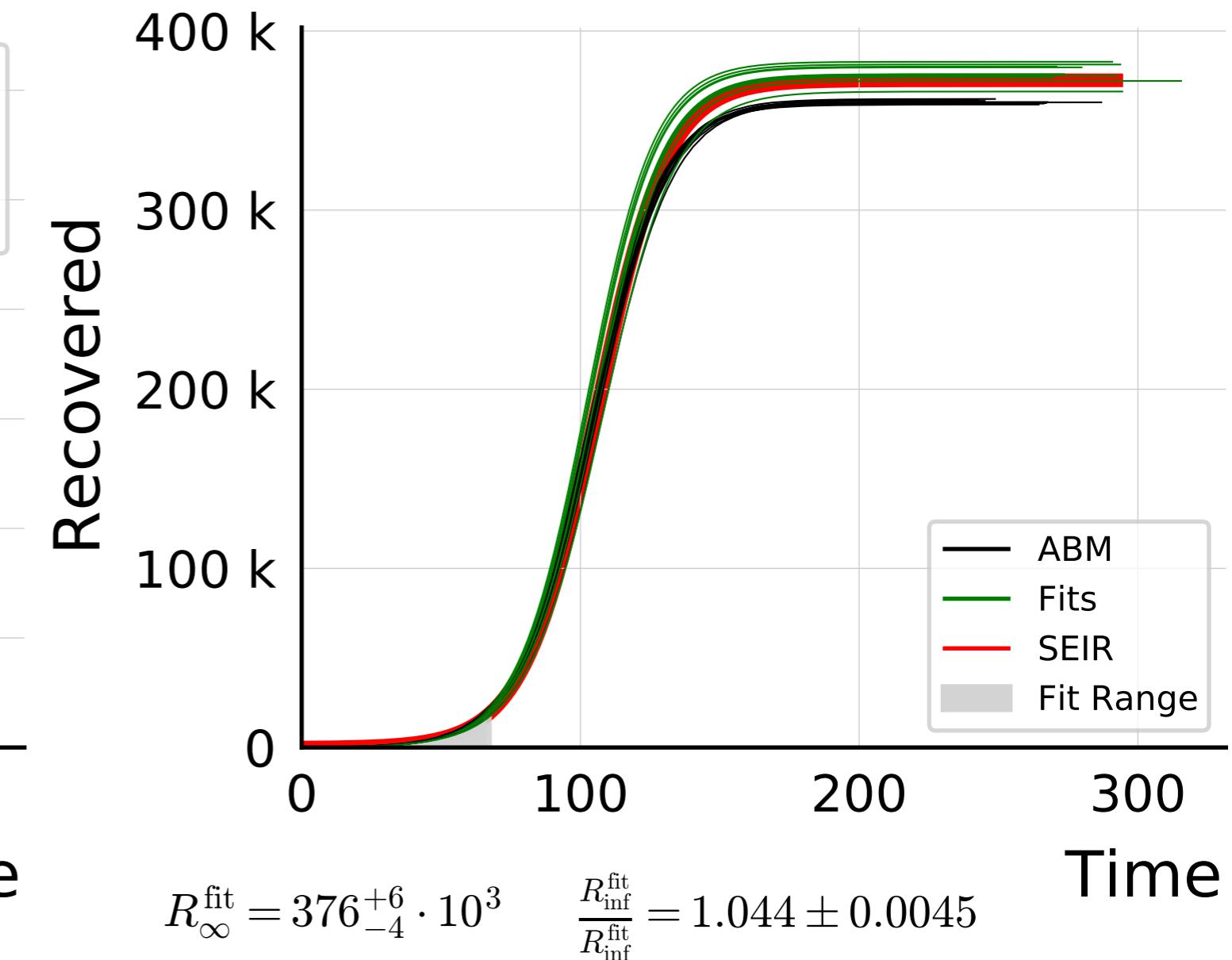
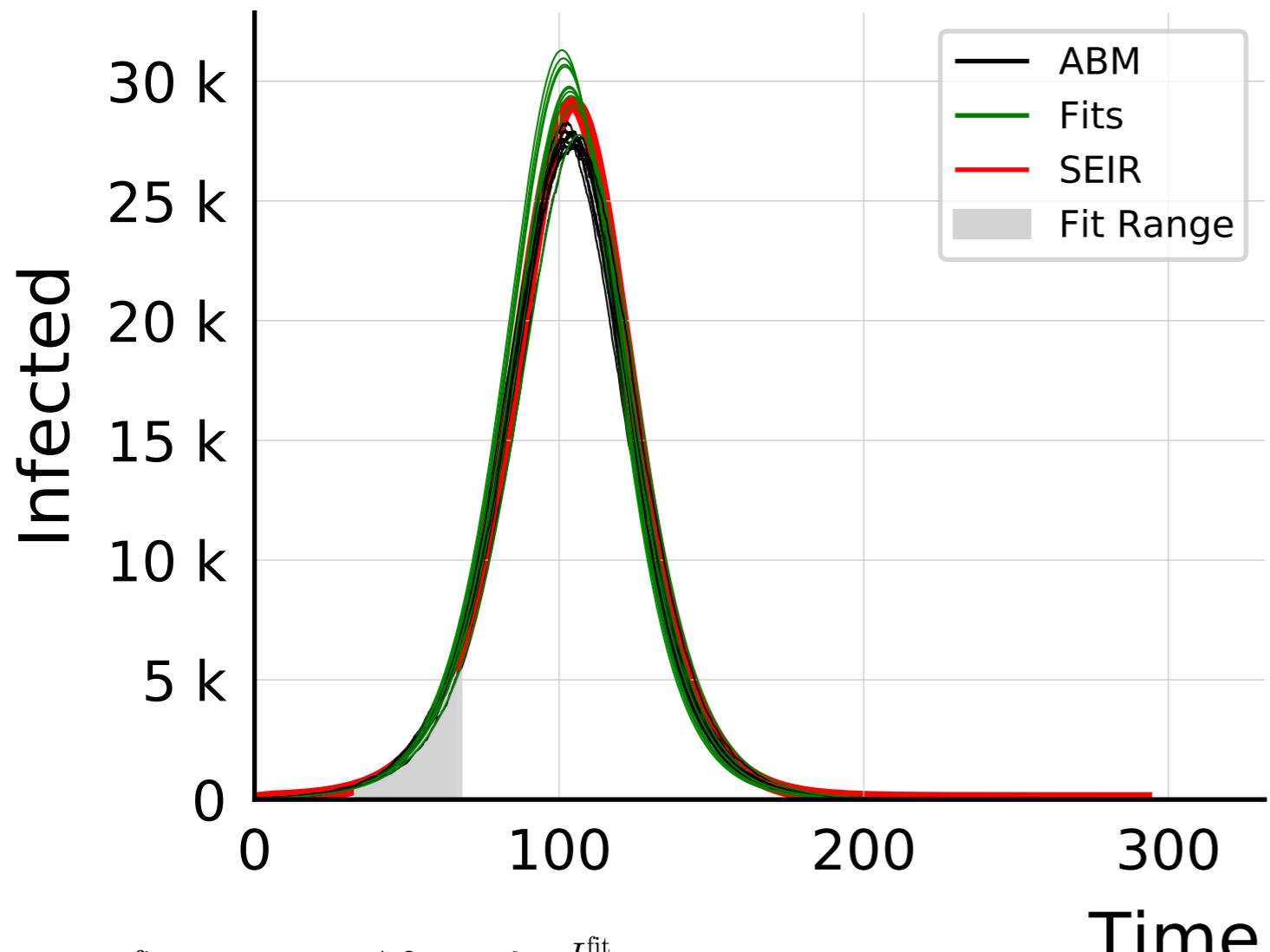
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 1K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, #10



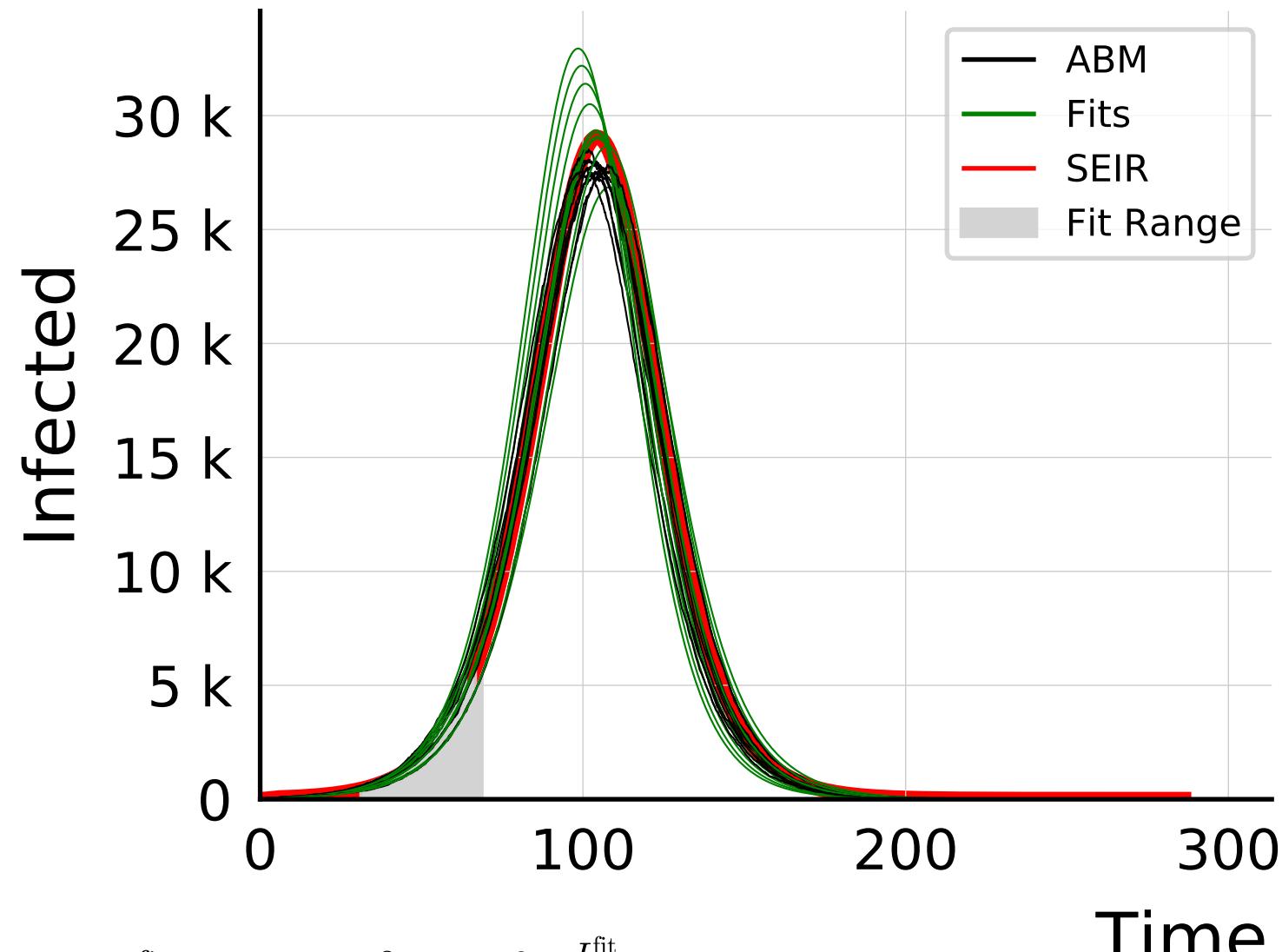
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.005$, $\epsilon_\rho = 0.02$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, #10



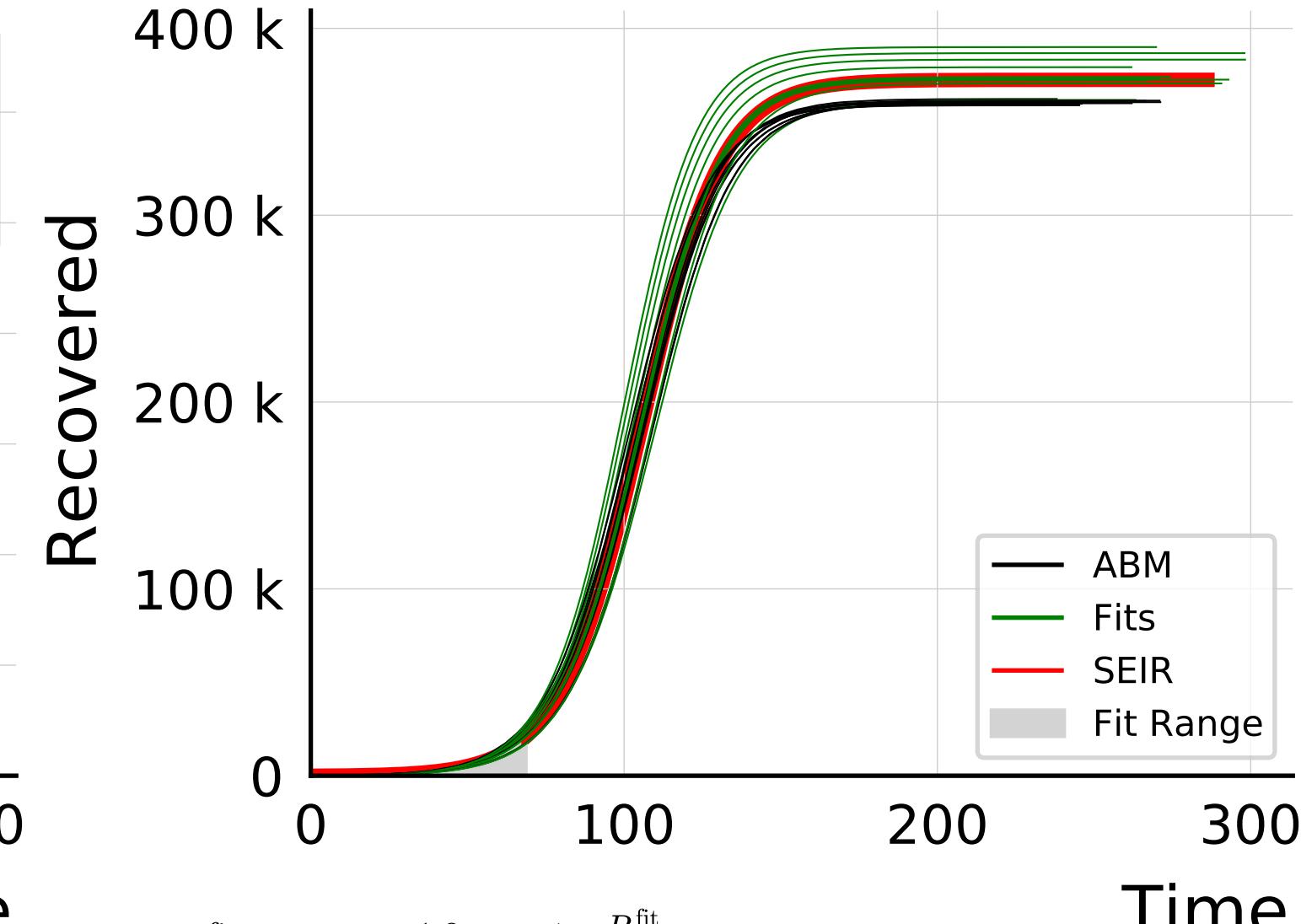
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.005$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, #10



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

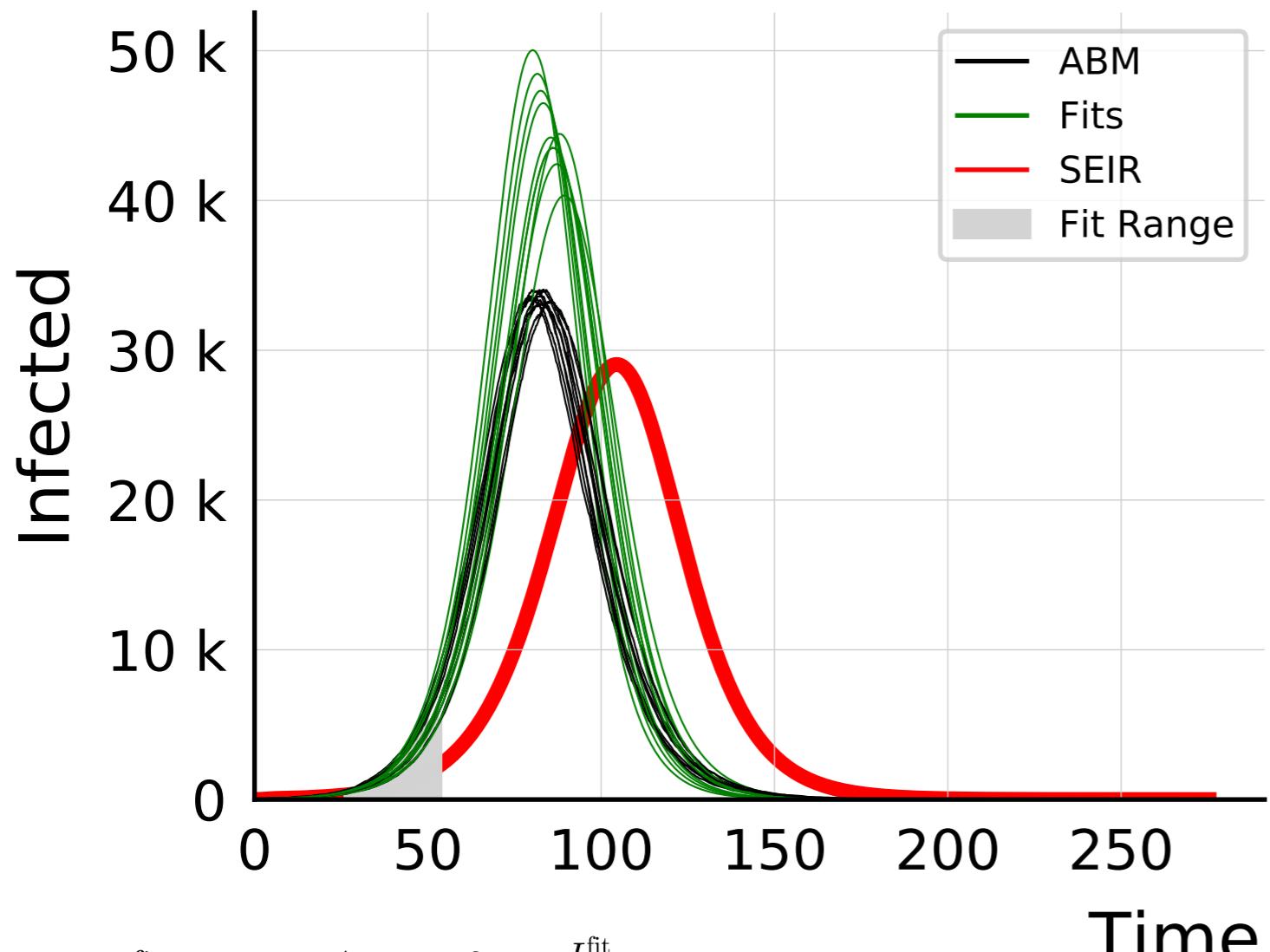


$$I_{\max}^{\text{fit}} = 29.3_{-0.5}^{+3} \cdot 10^3 \quad \frac{I_{\max}^{\text{fit}}}{I_{\max}^{\text{ABM}}} = 1.07 \pm 0.020$$



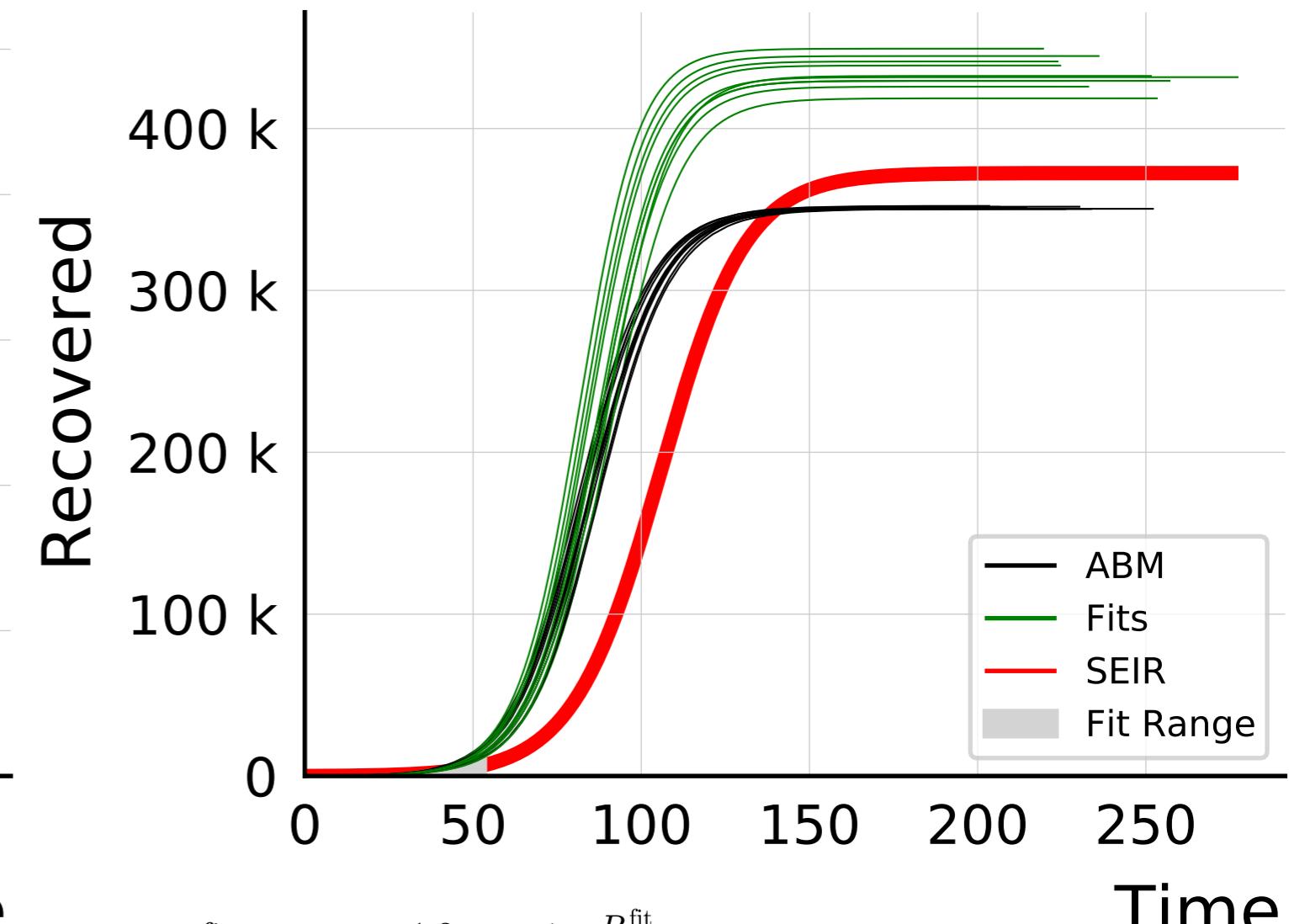
$$R_{\infty}^{\text{fit}} = 37.4_{-0.2}^{+1.3} \cdot 10^4 \quad \frac{R_{\text{inf}}^{\text{fit}}}{R_{\infty}^{\text{fit}}} = 1.044 \pm 0.0071$$

$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.015$, $\epsilon_\rho = 0.02$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, #10



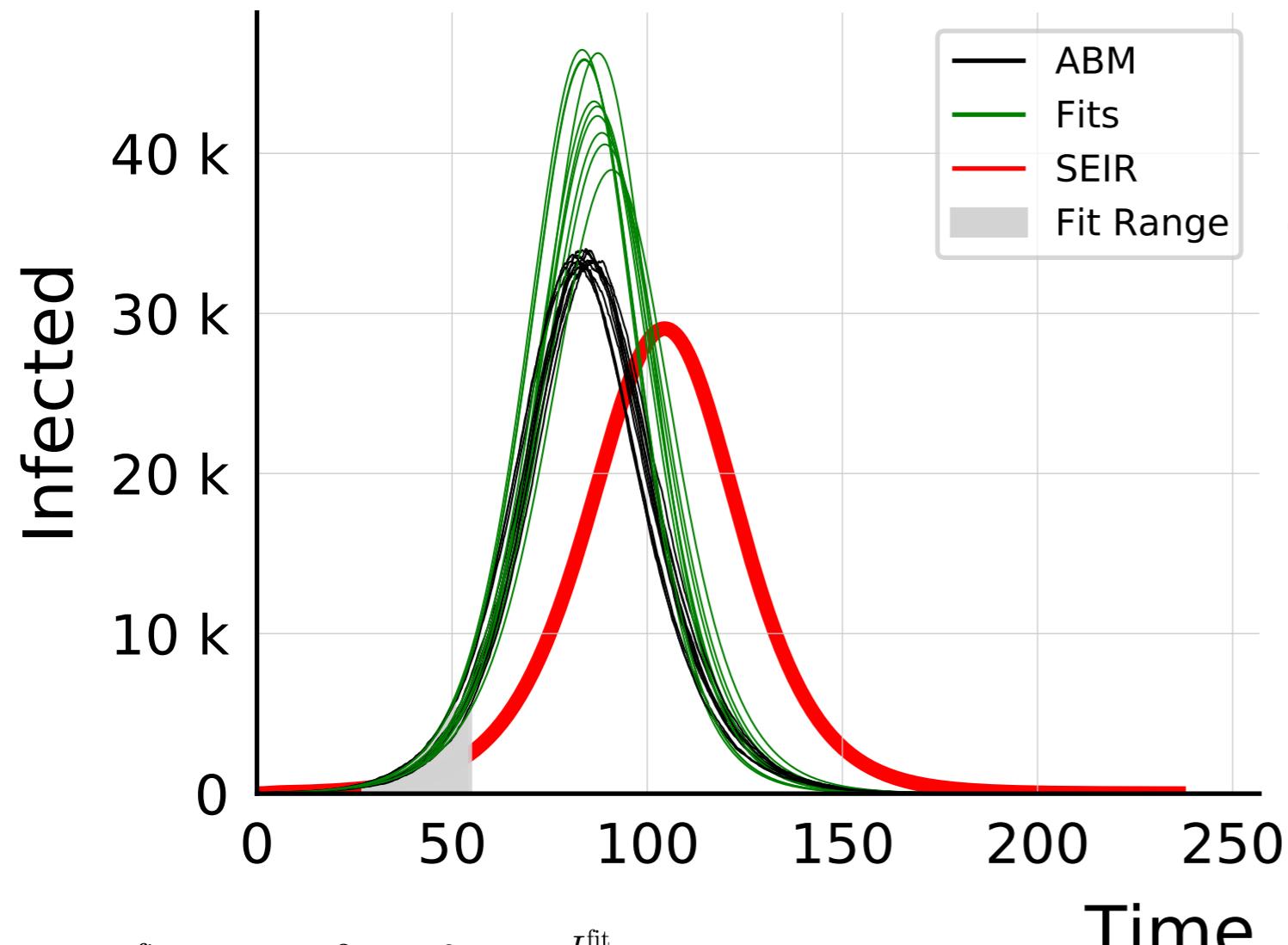
$$I_{\max}^{\text{fit}} = 44^{+4}_{-1.8} \cdot 10^3$$

$$\frac{I_{\max}^{\text{fit}}}{I_{\max}^{\text{ABM}}} = 1.34 \pm 0.026$$



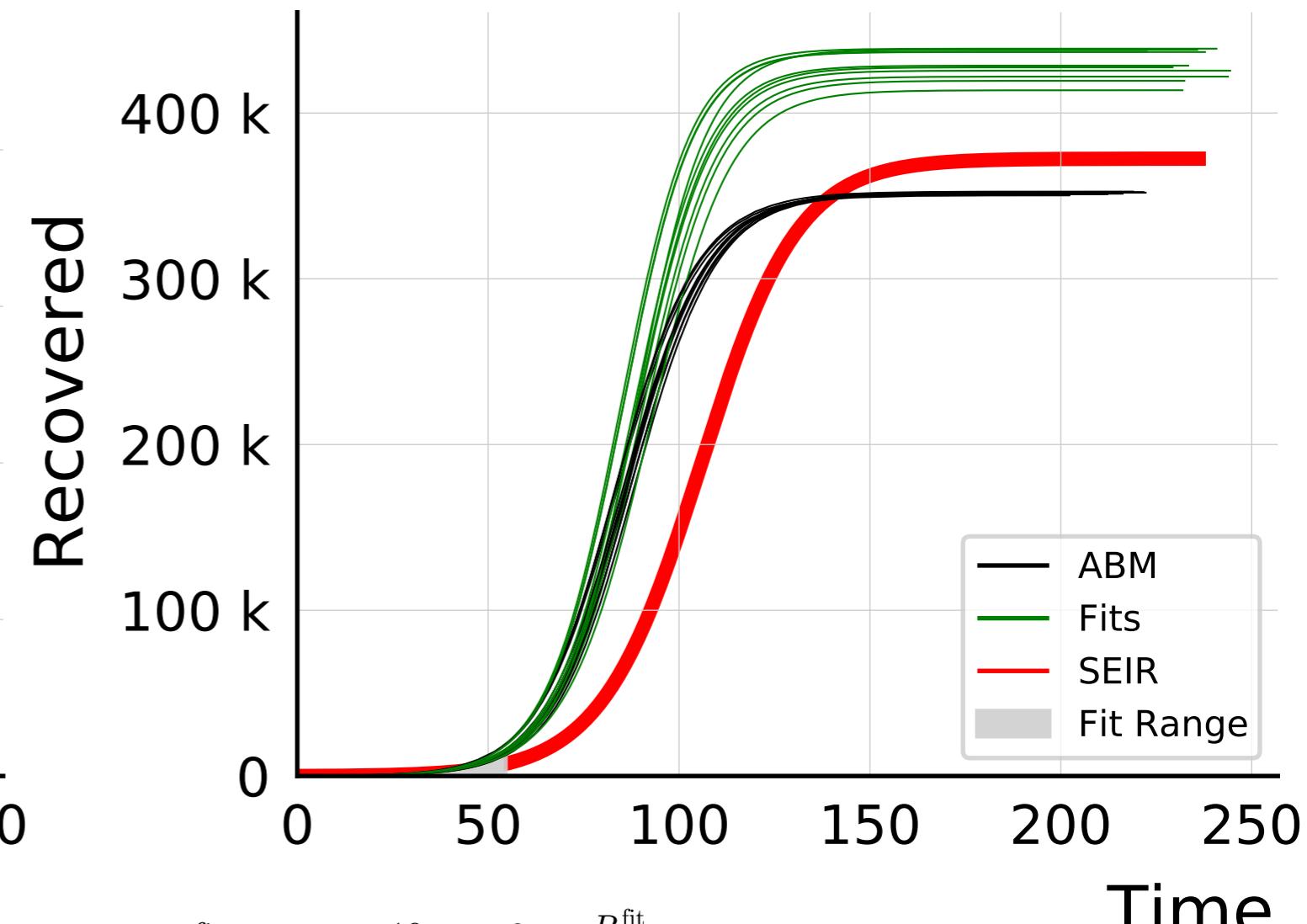
$$R_{\infty}^{\text{fit}} = 43.2^{+1.3}_{-0.6} \cdot 10^4 \quad \frac{R_{\infty}^{\text{fit}}}{R_{\text{inf}}^{\text{fit}}} = 1.237 \pm 0.0080$$

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



$$I_{\max}^{\text{fit}} = 43^{+3}_{-3} \cdot 10^3$$

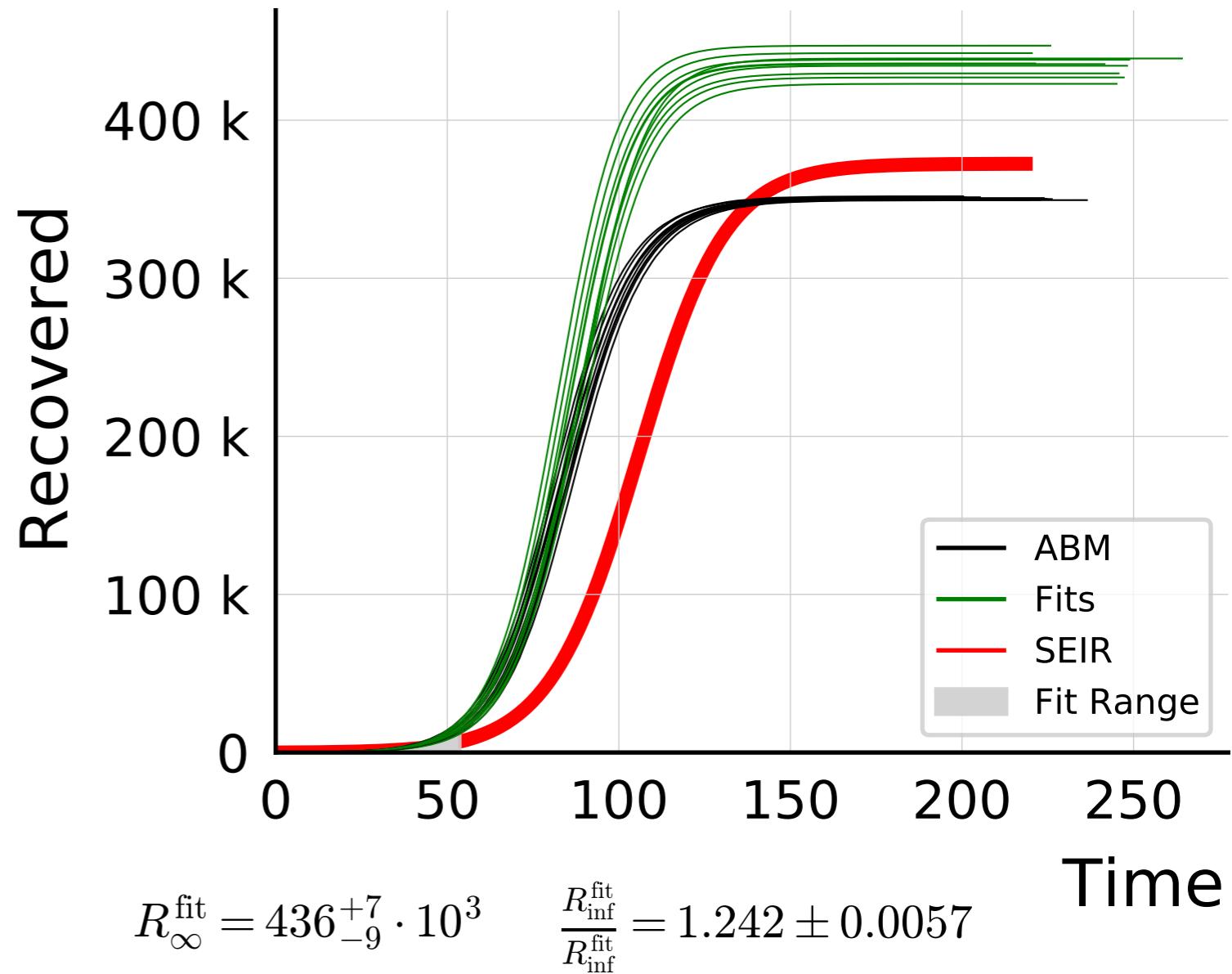
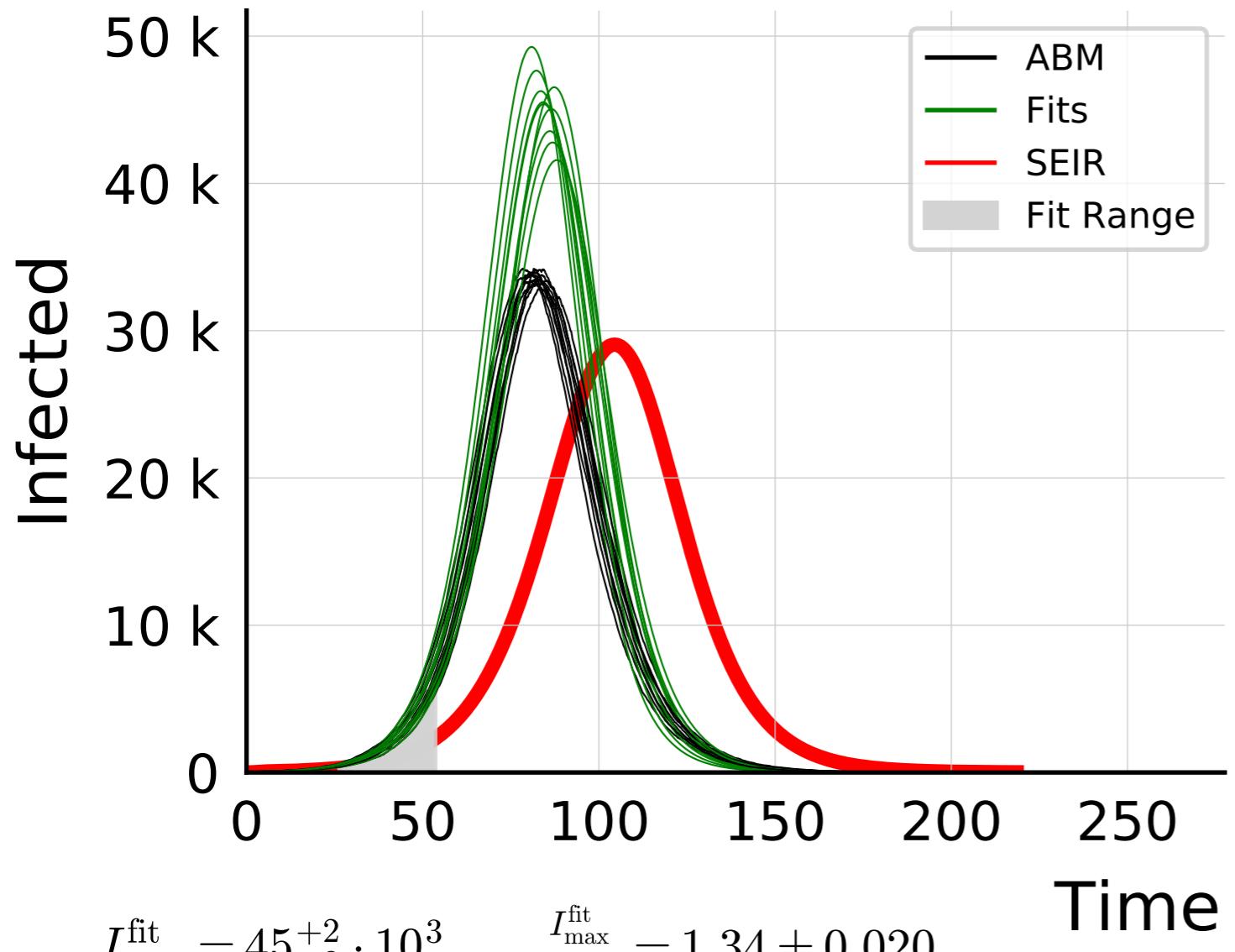
$$\frac{I_{\max}^{\text{fit}}}{I_{\max}^{\text{ABM}}} = 1.29 \pm 0.024$$



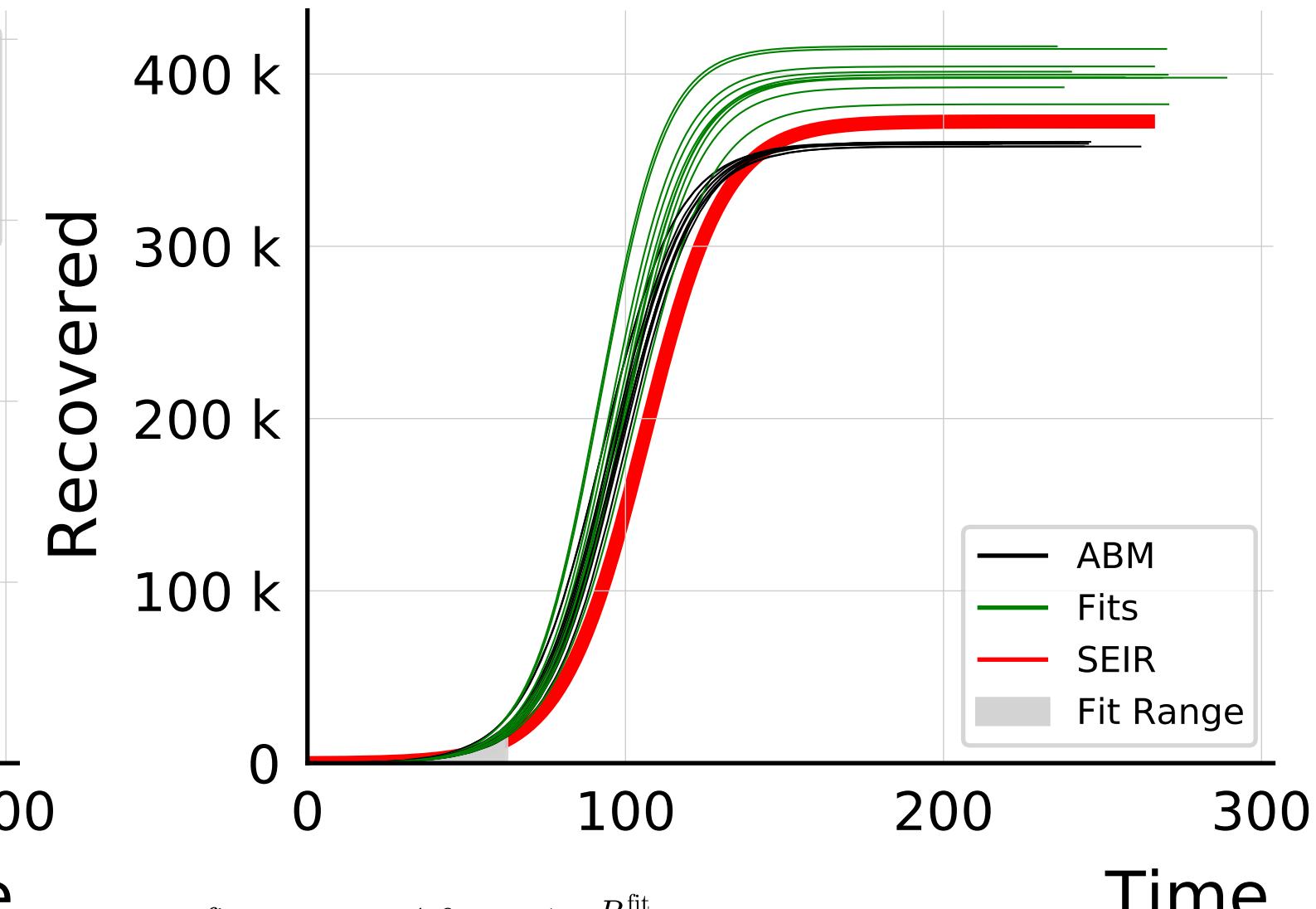
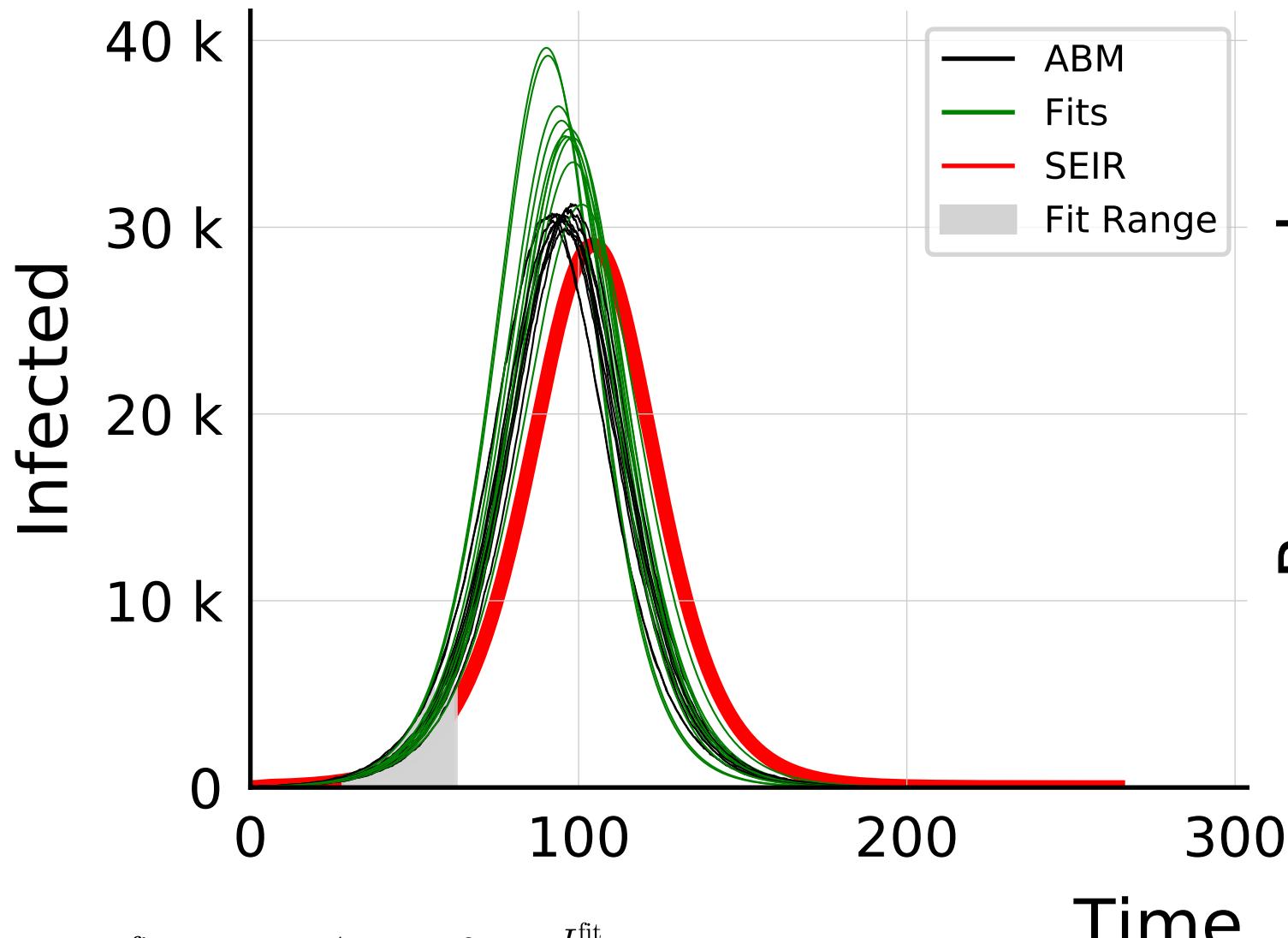
$$R_{\infty}^{\text{fit}} = 428^{+10}_{-9} \cdot 10^3$$

$$\frac{R_{\text{inf}}^{\text{fit}}}{R_{\text{inf}}} = 1.219 \pm 0.0076$$

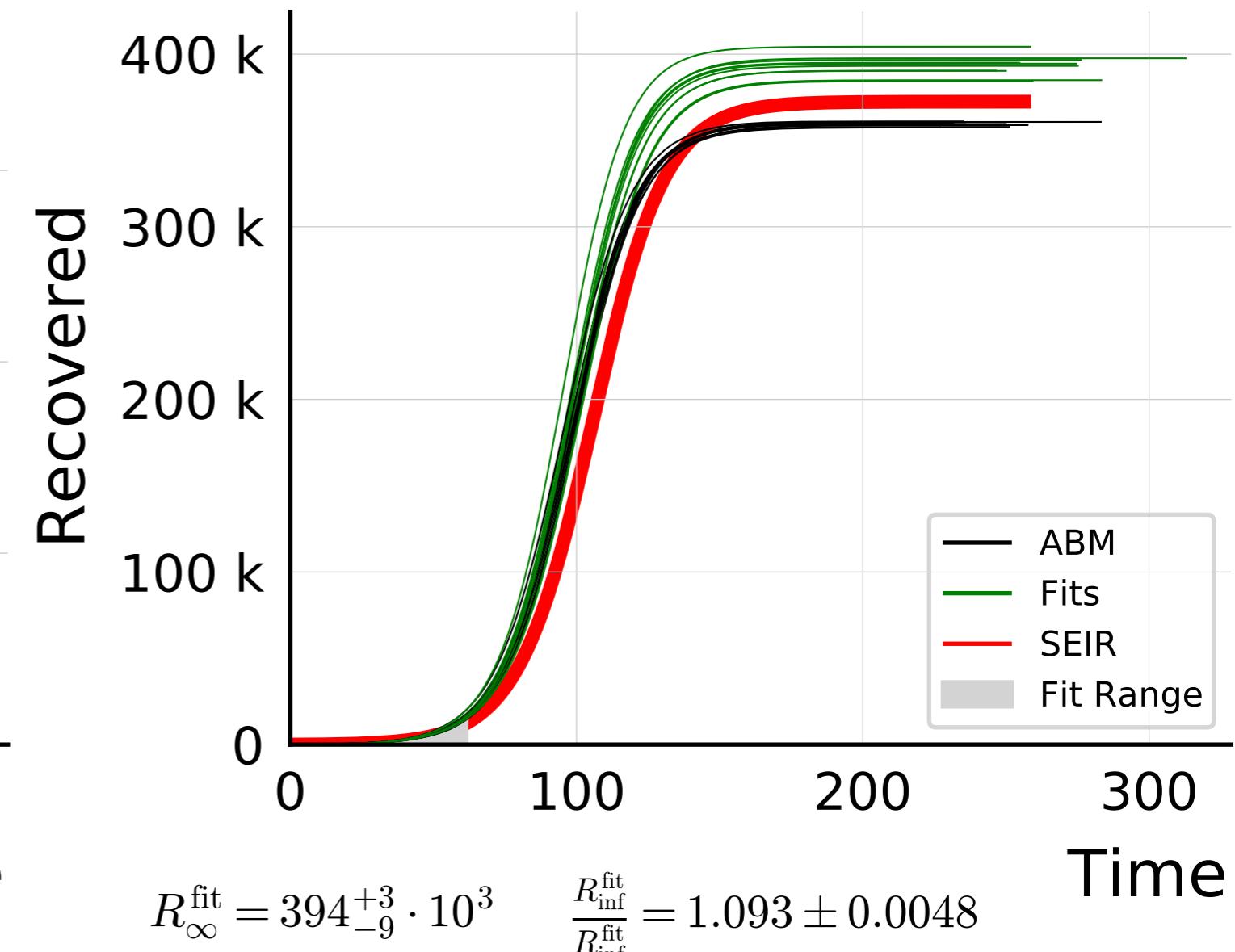
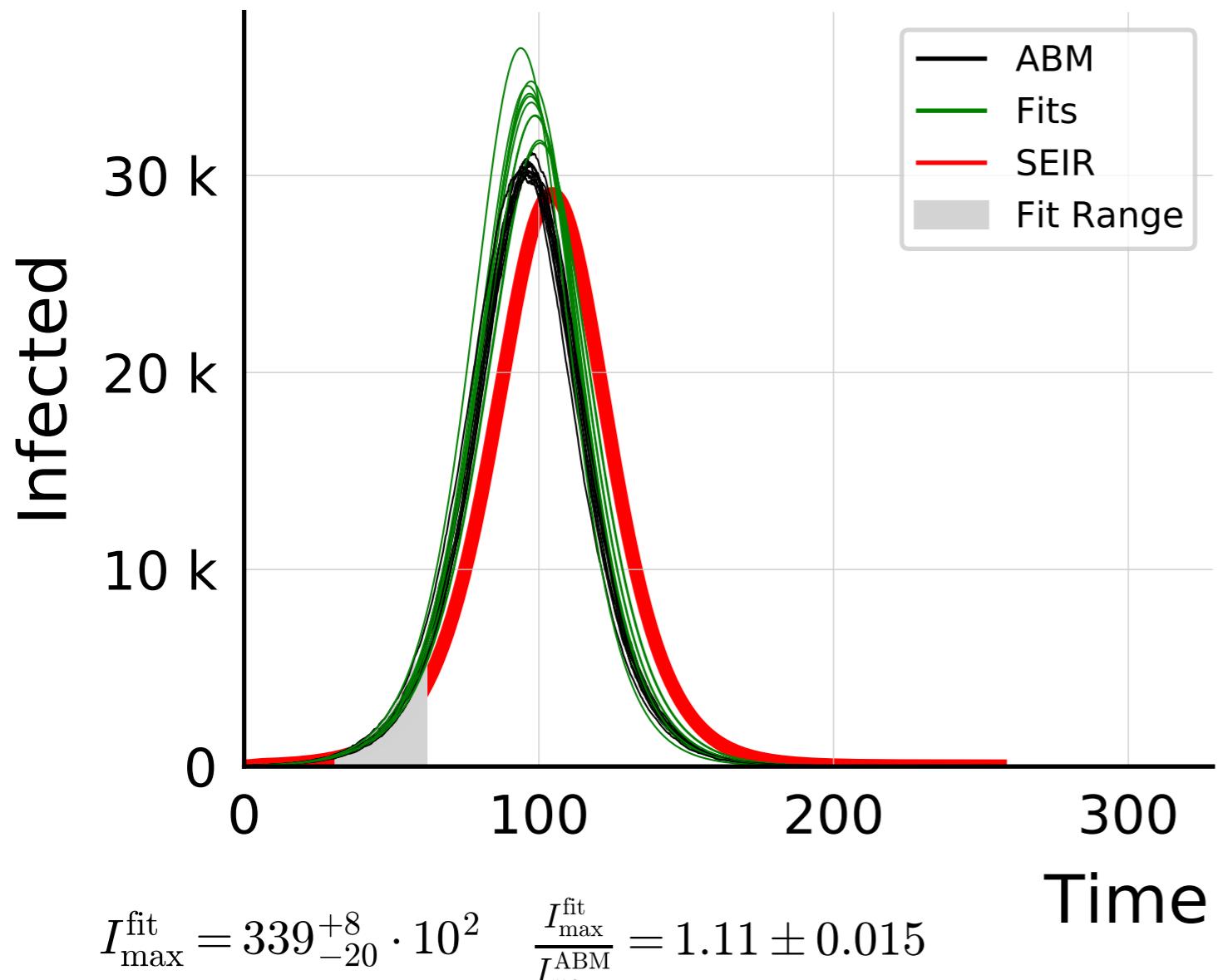
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.015$, $\epsilon_\rho = 0.0$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, #10



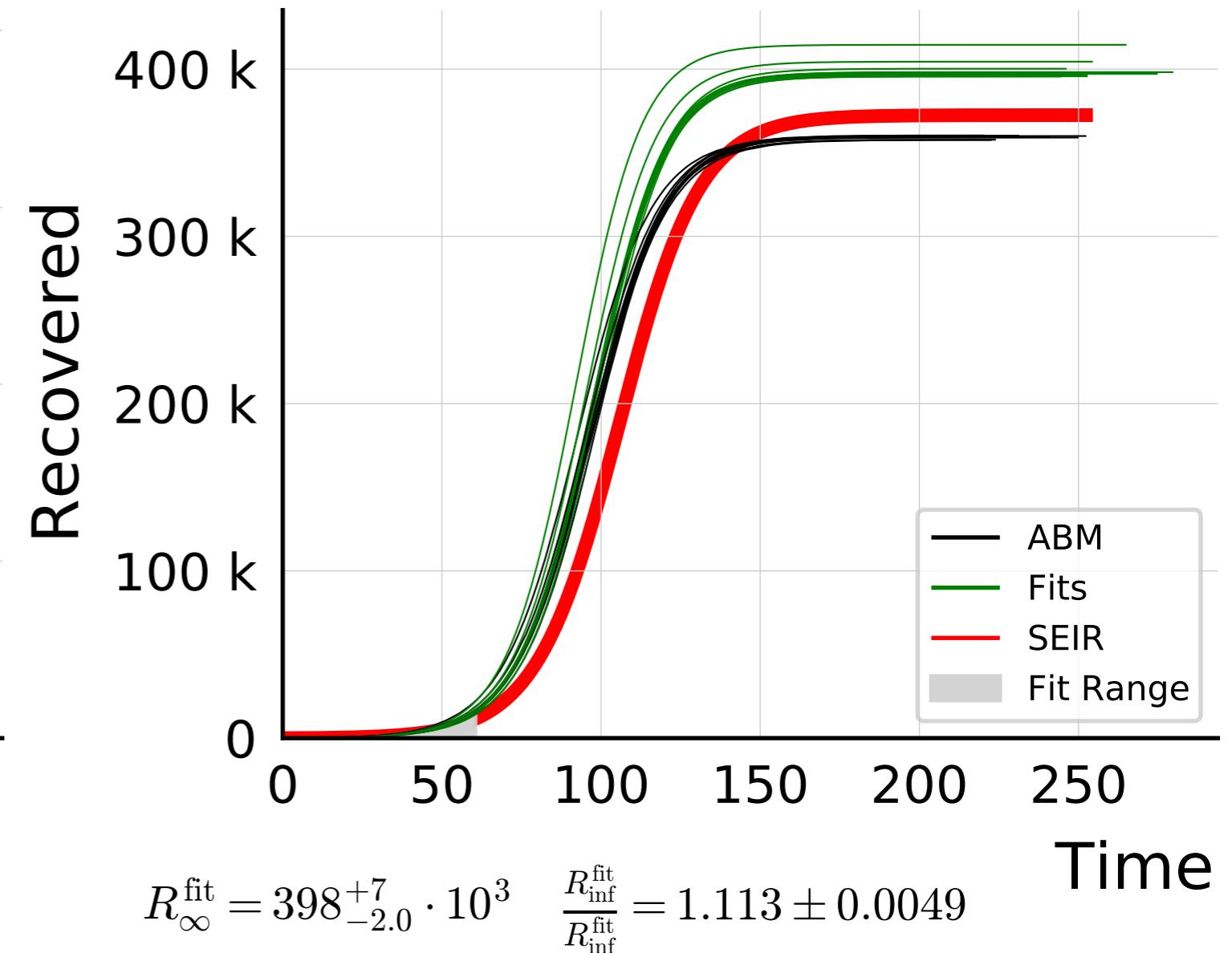
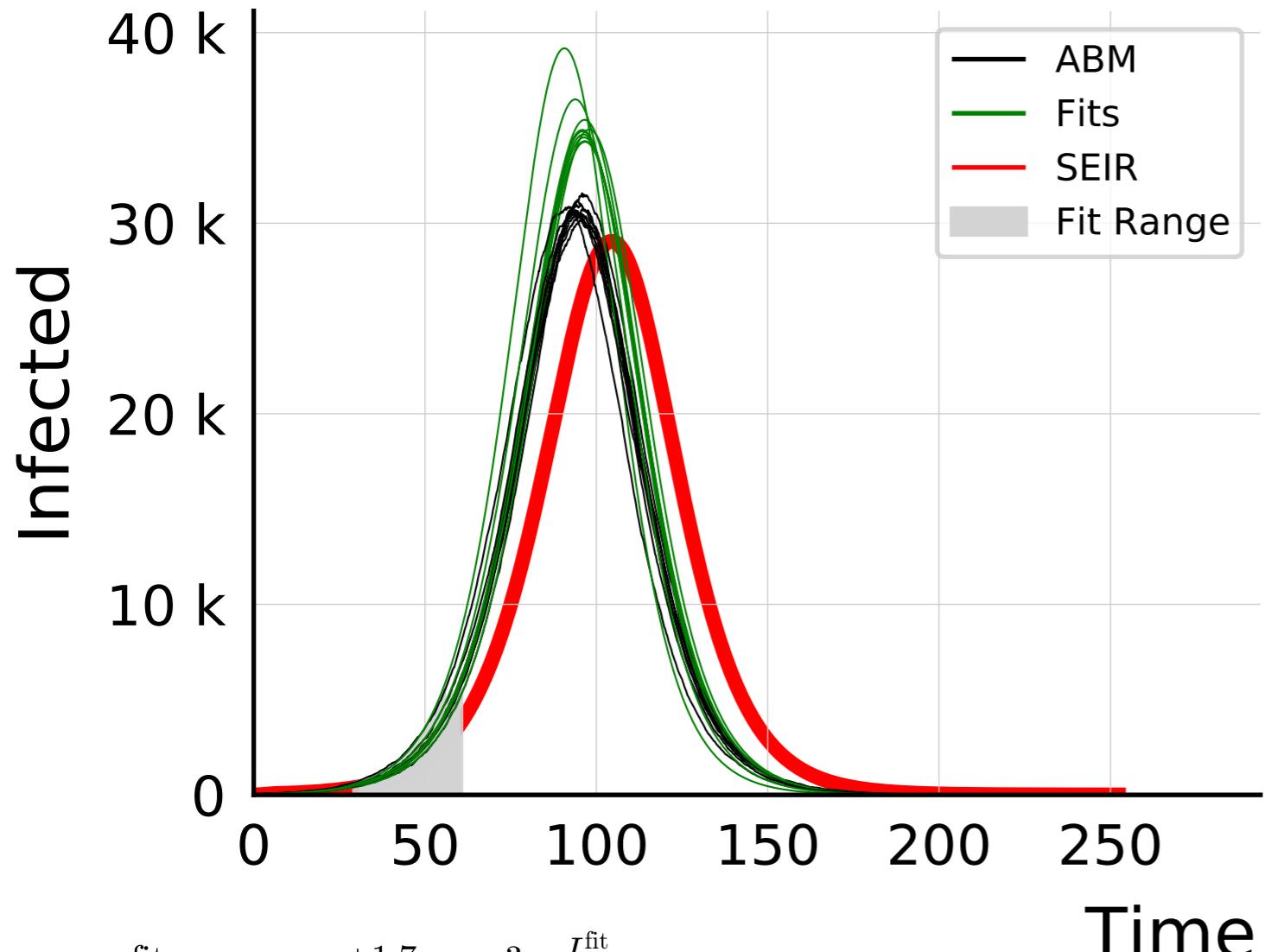
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.01$, $\epsilon_\rho = 0.02$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, #10



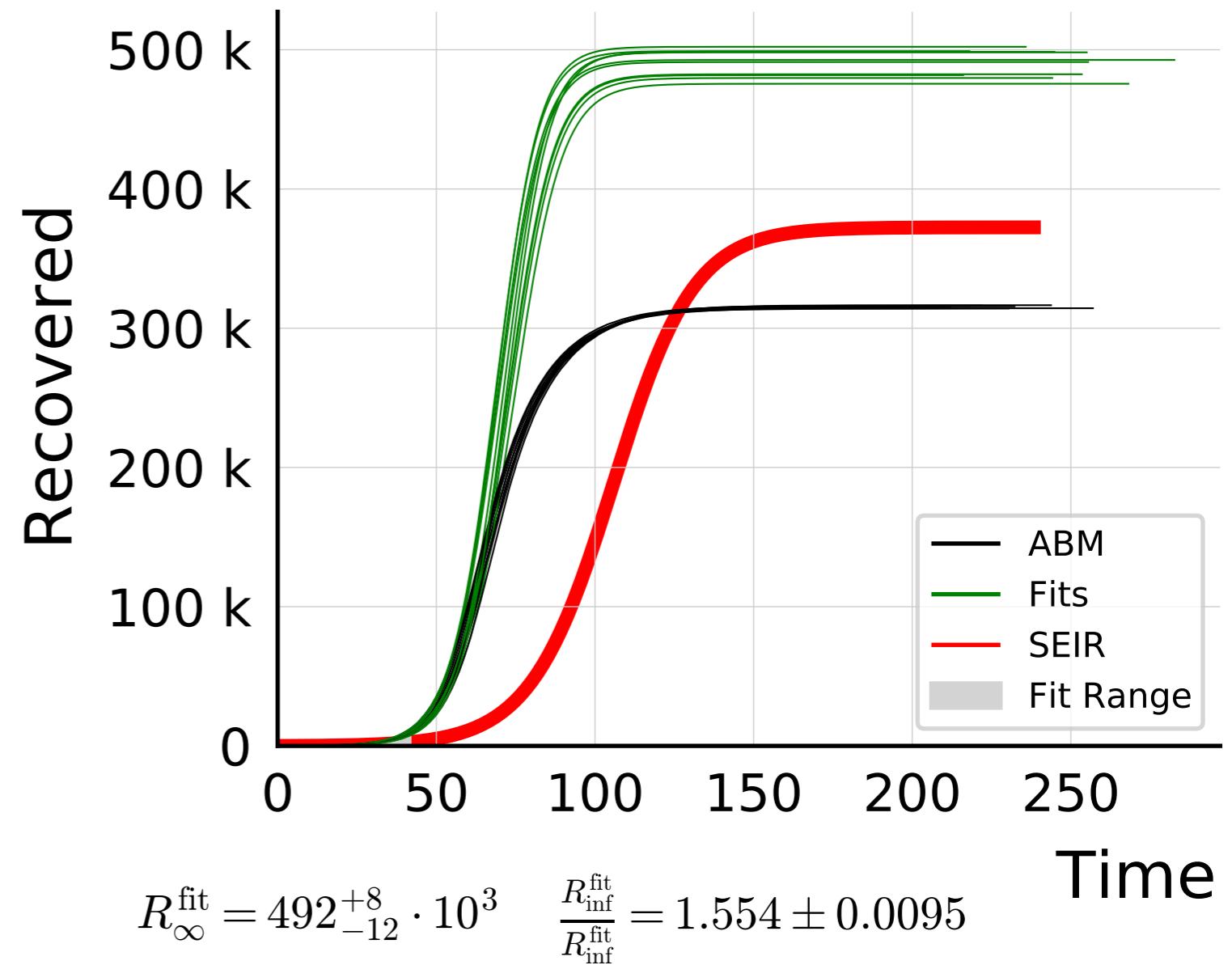
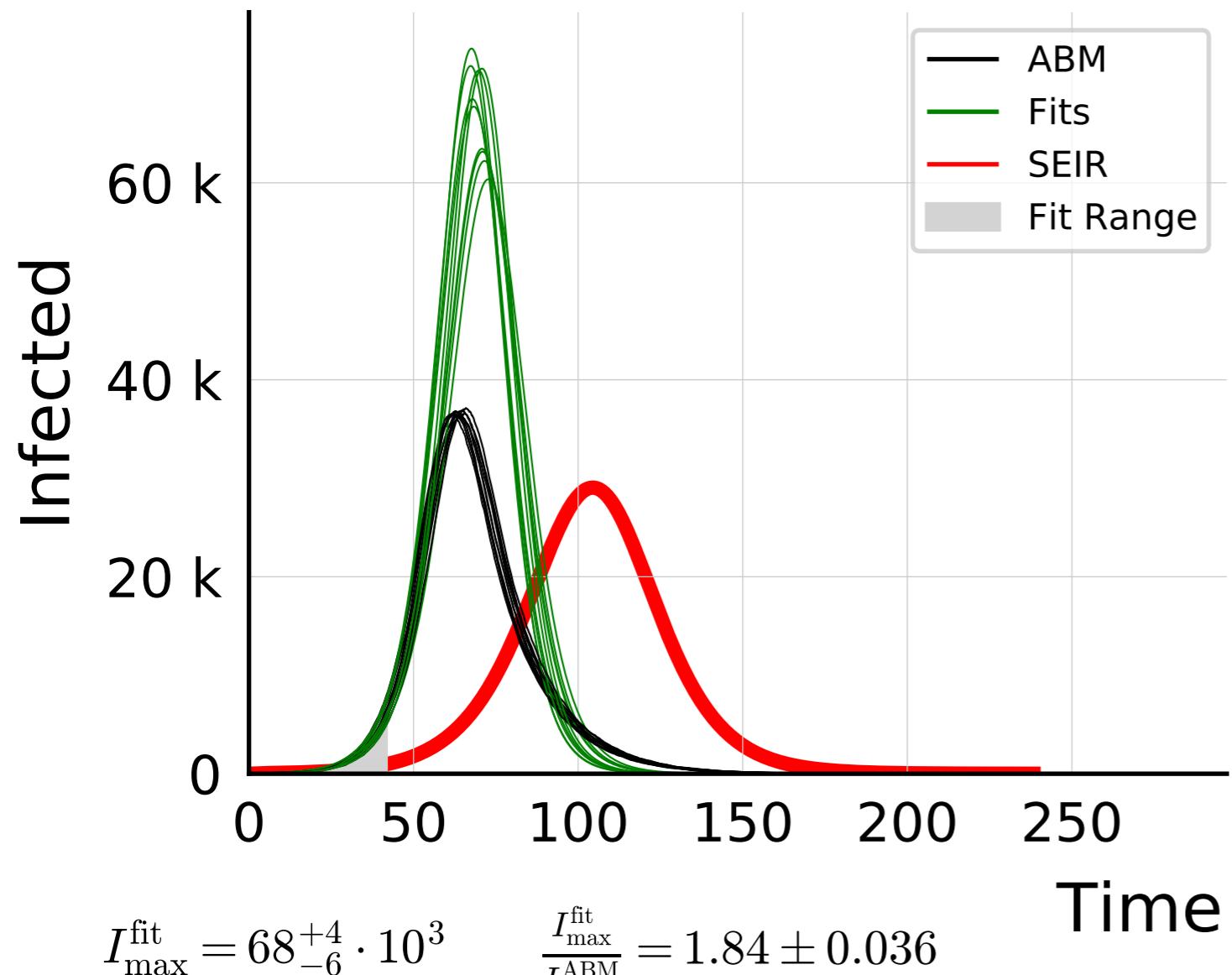
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.01$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, #10



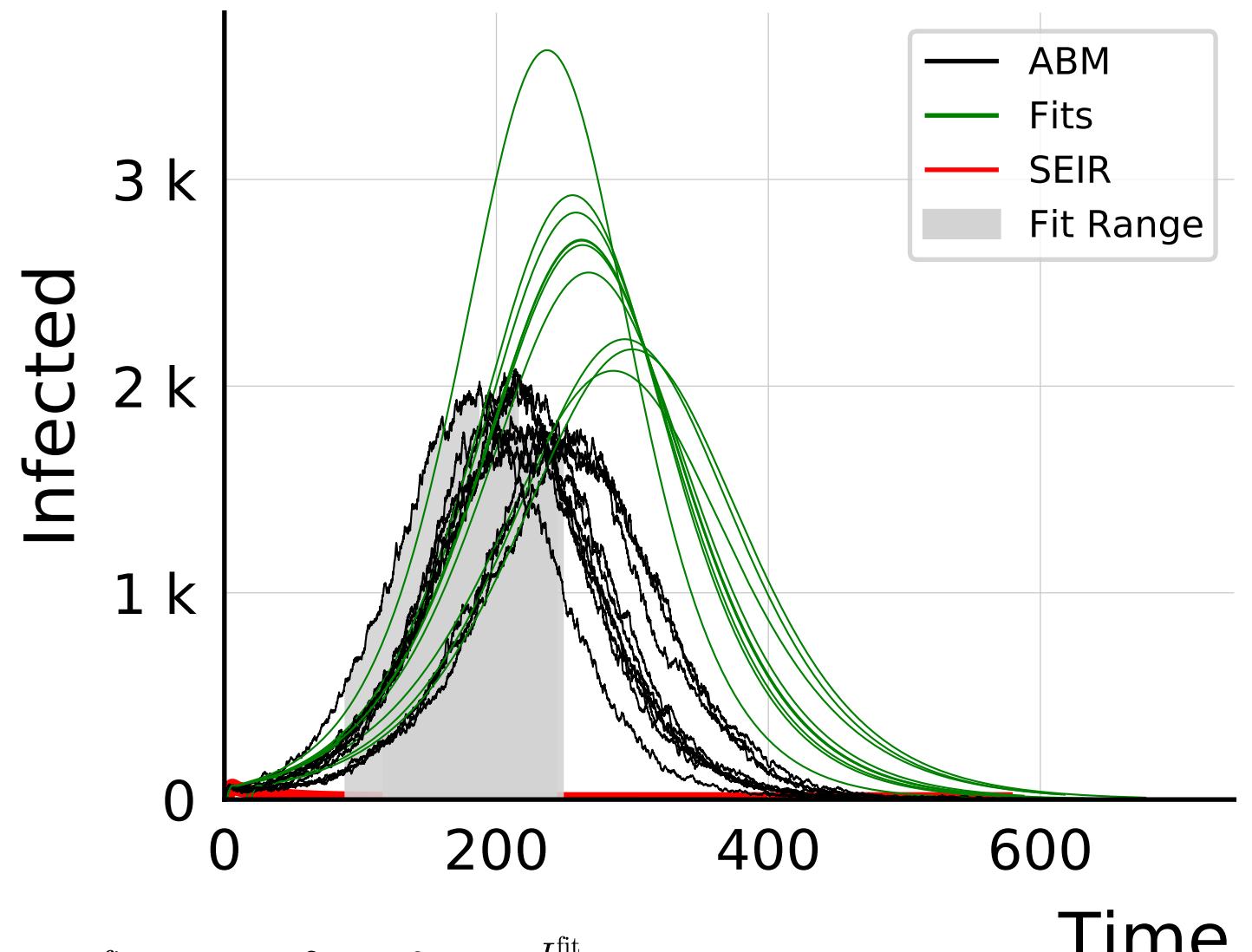
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.01$, $\epsilon_\rho = 0.0$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, #10



$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.025$, $\epsilon_\rho = 0.02$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, #10

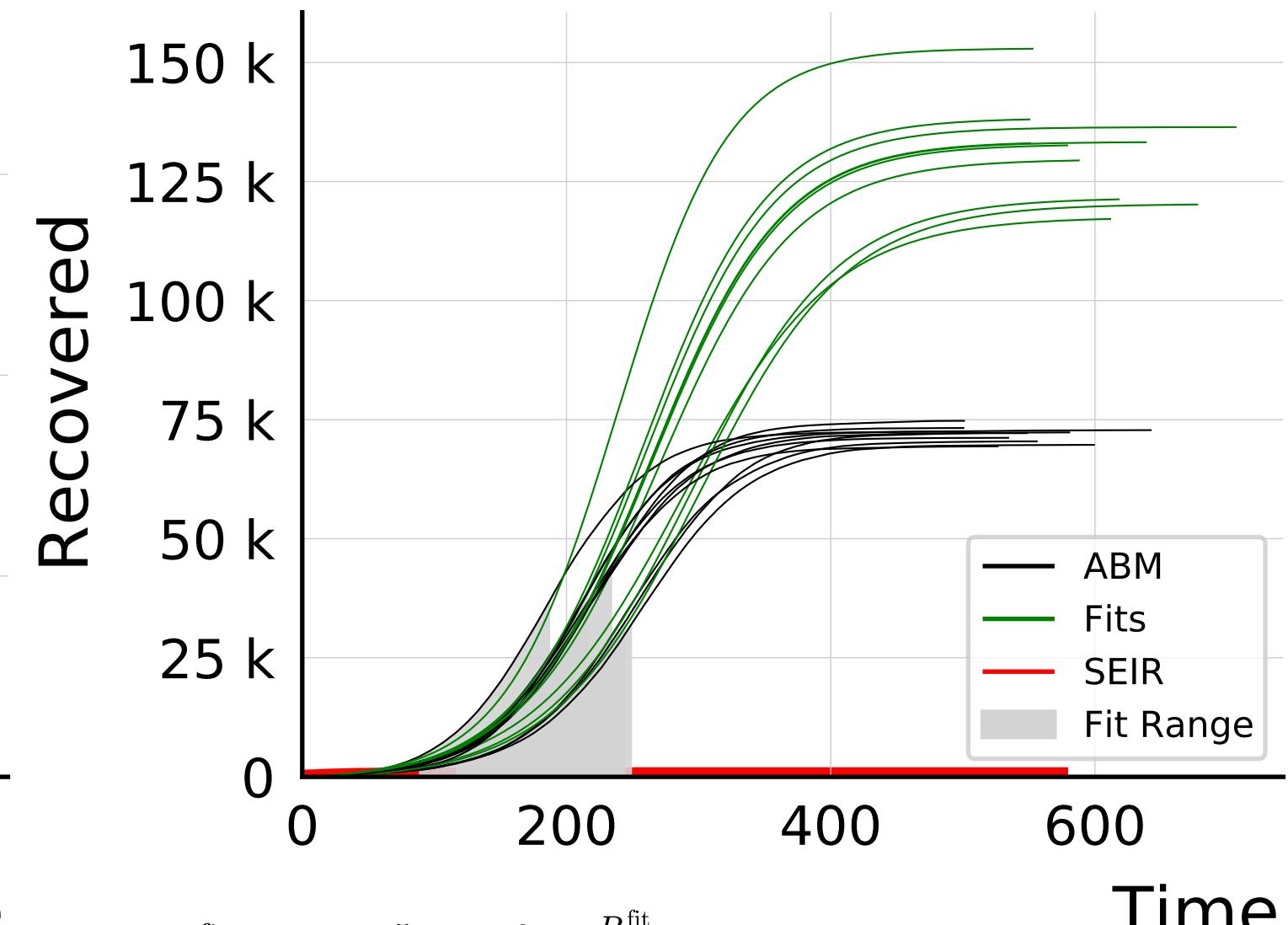


$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.025$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.005$, $\sigma_\beta = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, #10



$$I_{\text{max}}^{\text{fit}} = 27^{+2}_{-5} \cdot 10^2$$

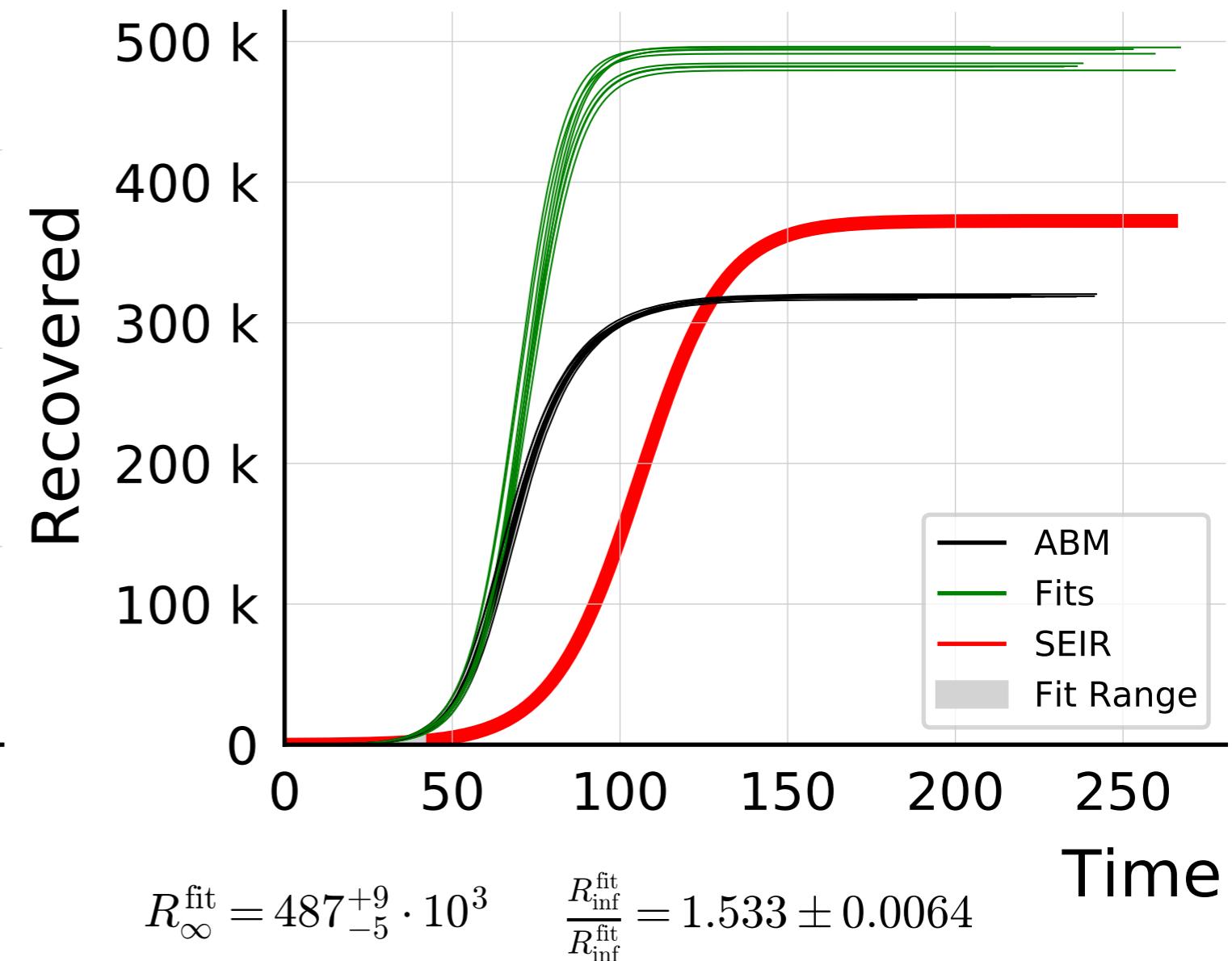
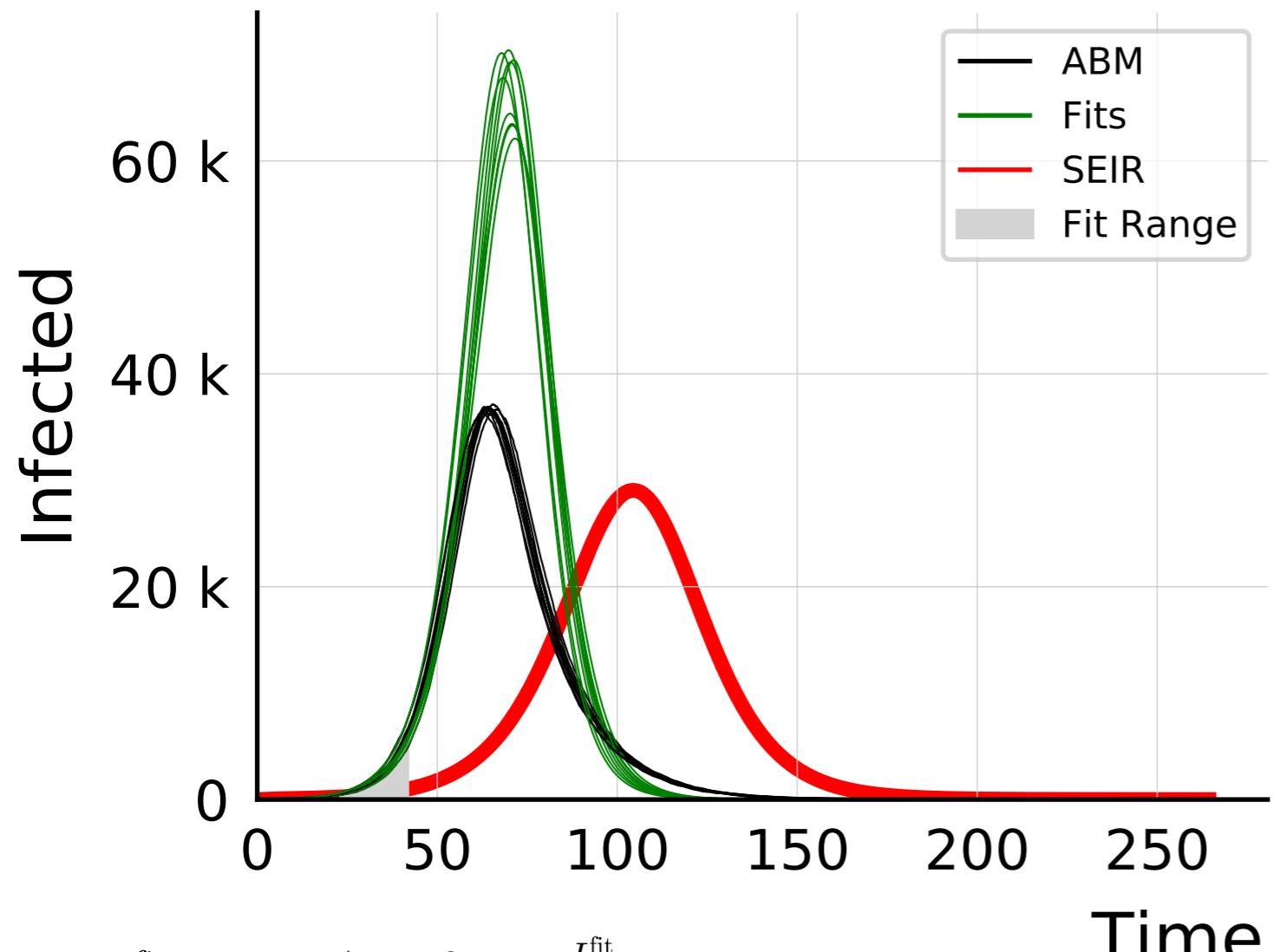
$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1.39 \pm 0.055$$



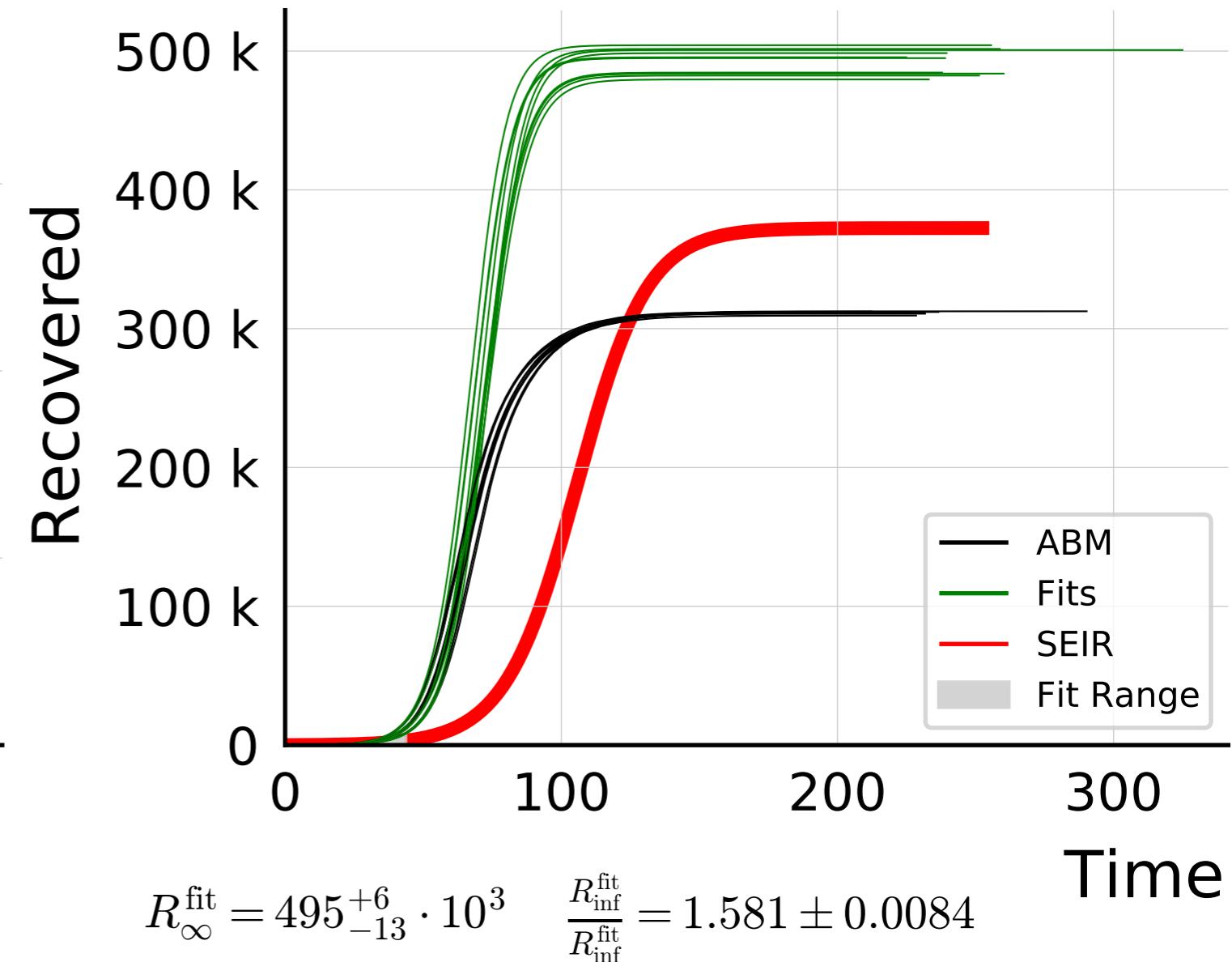
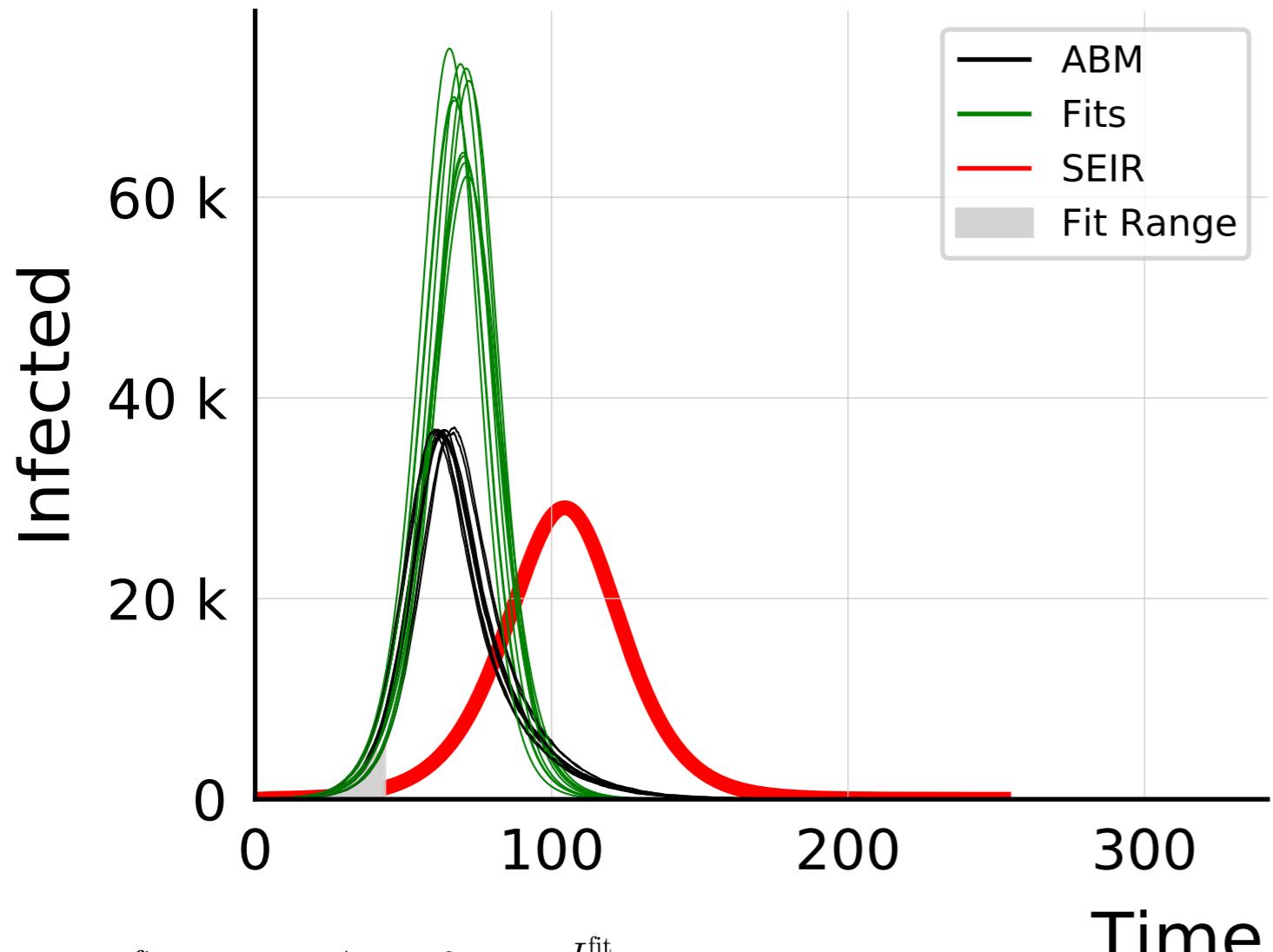
$$R_{\infty}^{\text{fit}} = 133^{+5}_{-13} \cdot 10^3$$

$$\frac{R_{\text{inf}}^{\text{fit}}}{R_{\text{inf}}^{\text{ABM}}} = 1.83 \pm 0.039$$

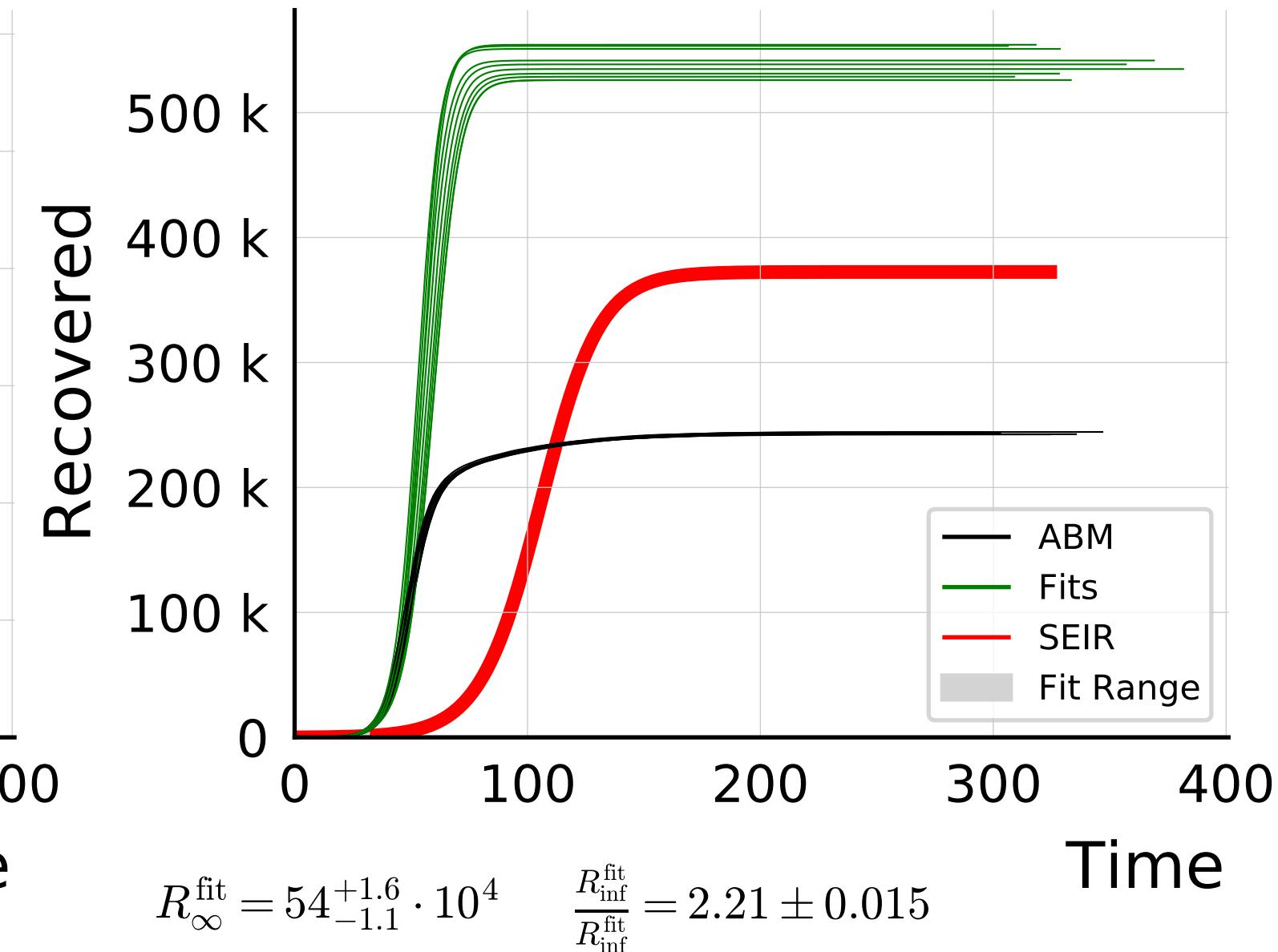
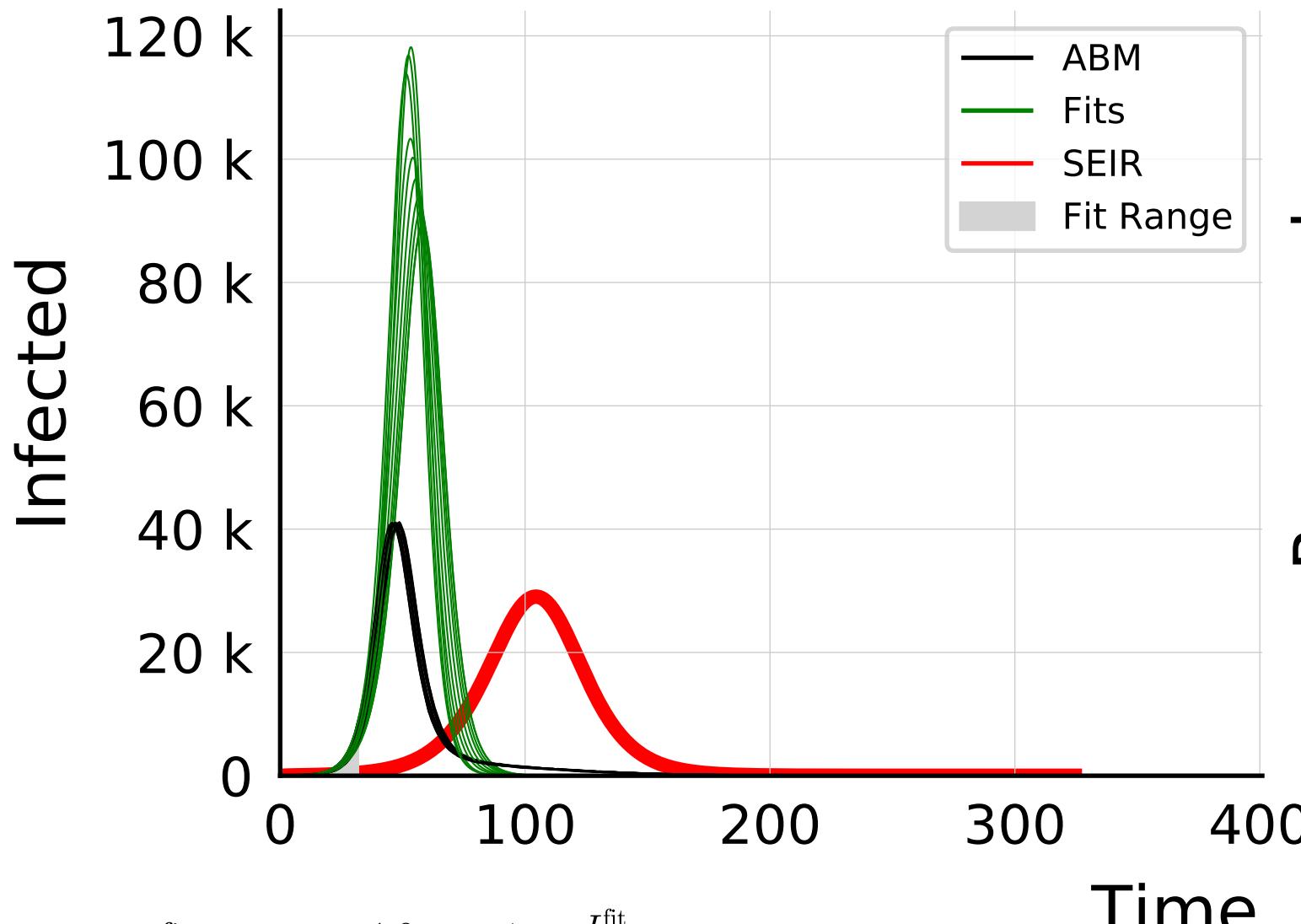
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.025$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, #10



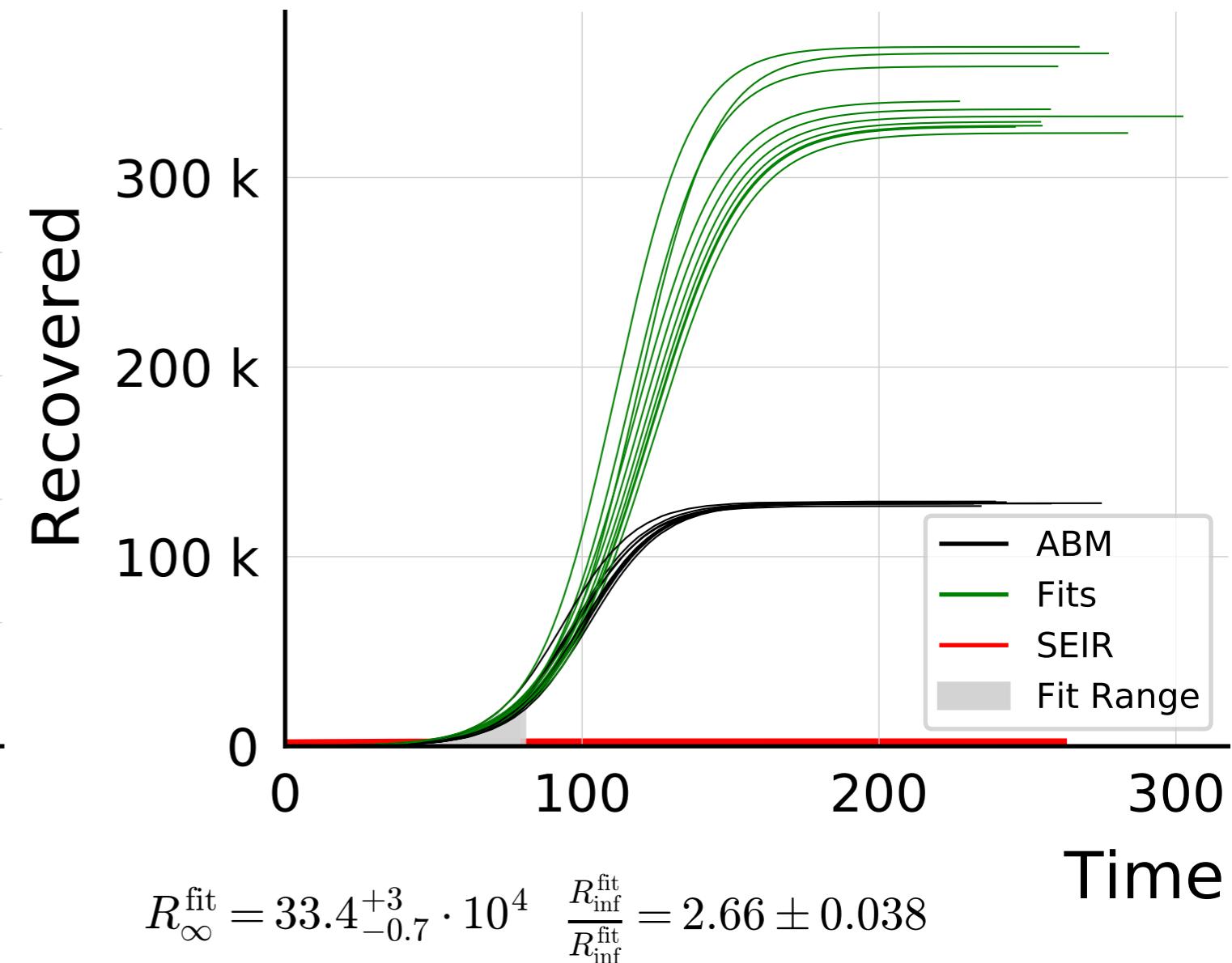
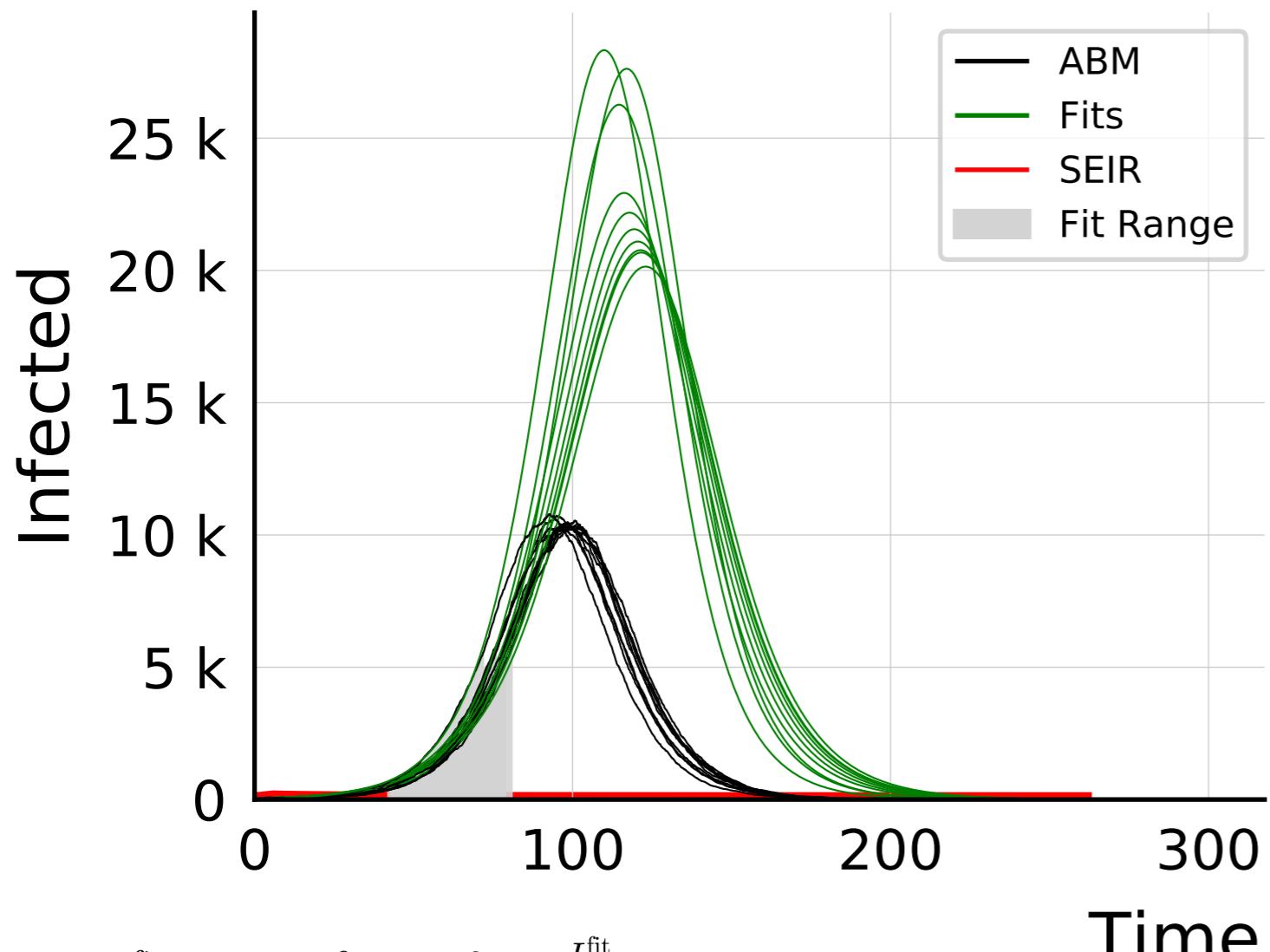
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.025$, $\epsilon_\rho = 0.0$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, #10



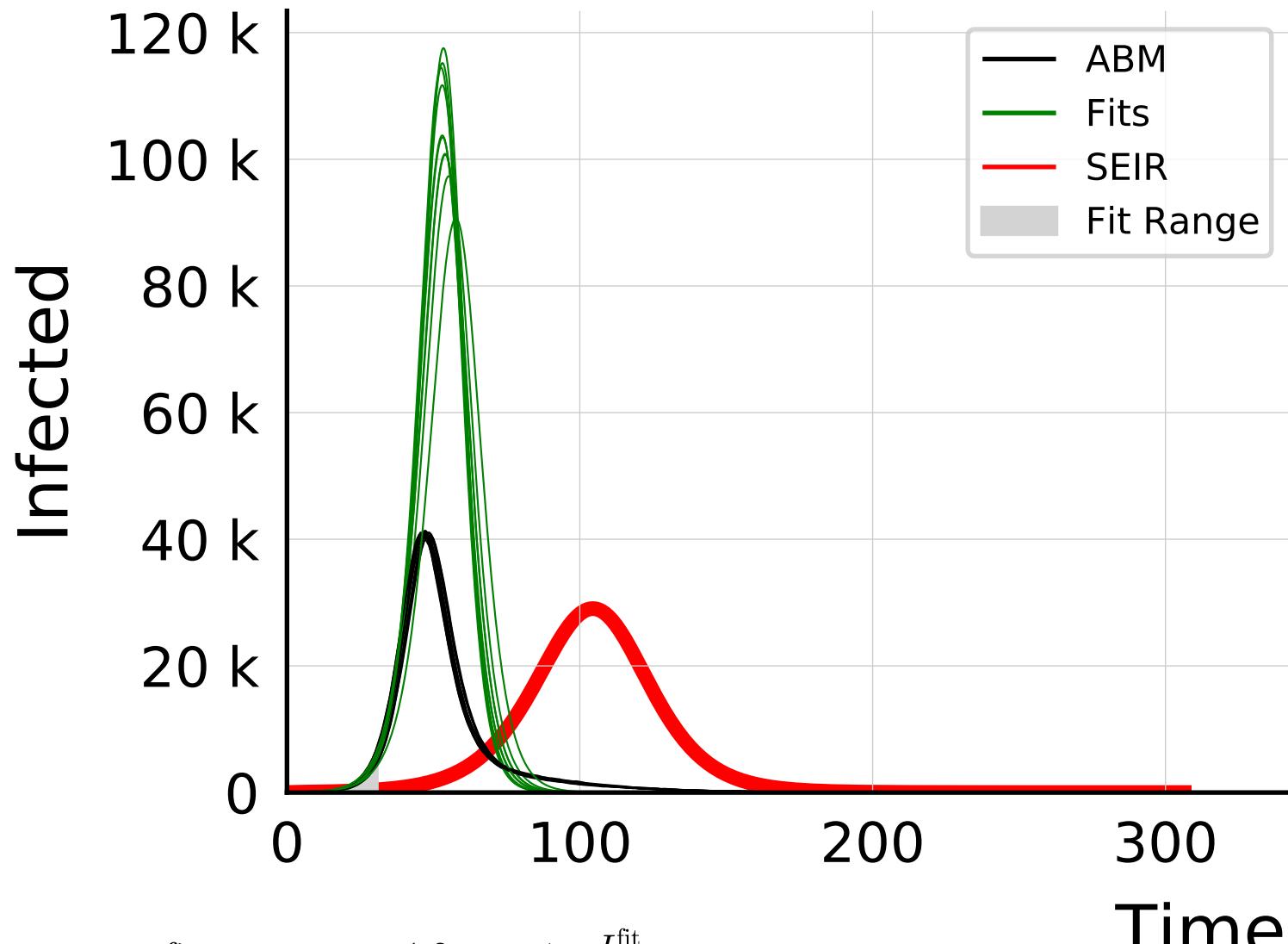
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.05$, $\epsilon_\rho = 0.02$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, #10



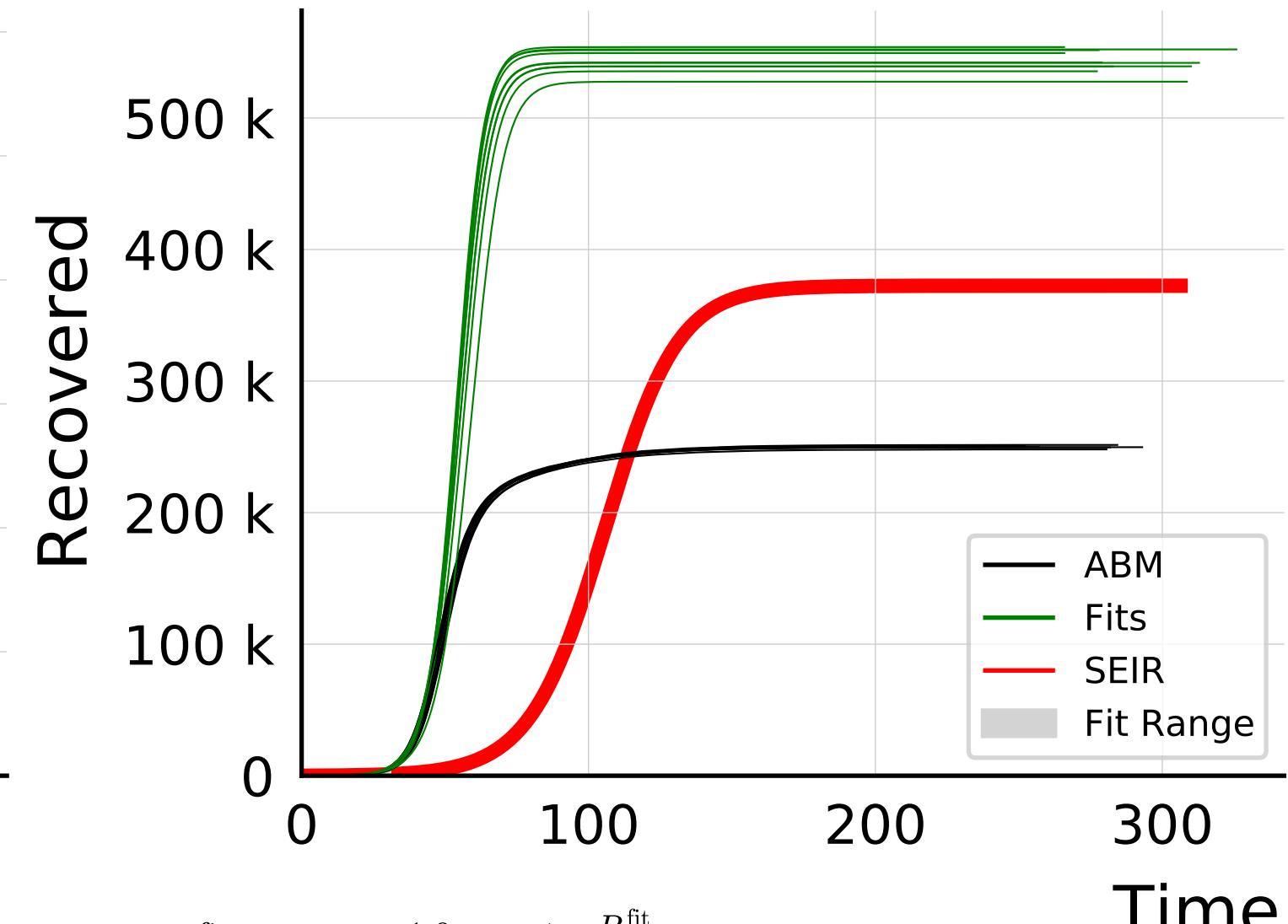
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.05$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.005$, $\sigma_\beta = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, #10



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

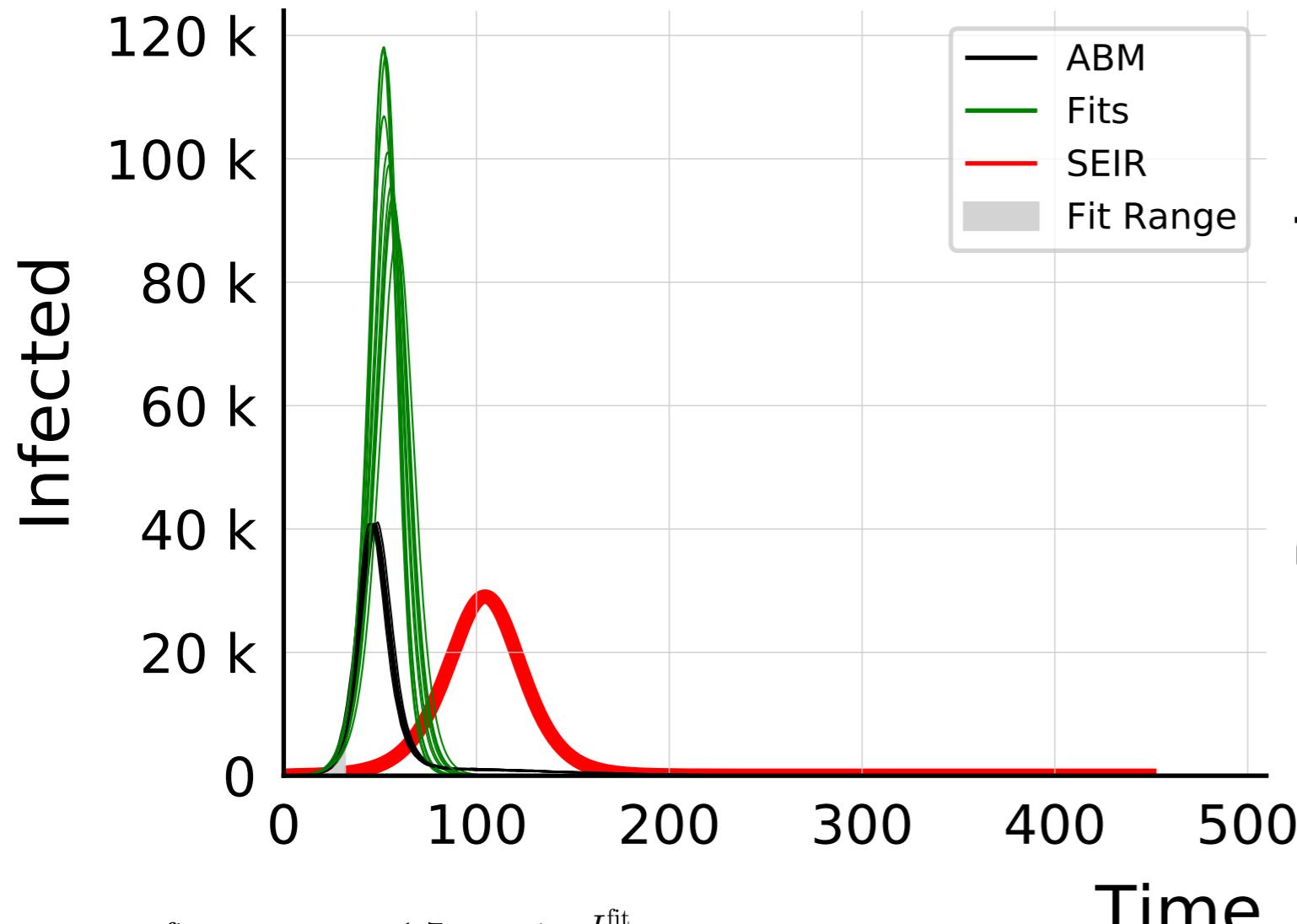


$$I_{\max}^{\text{fit}} = 10.4^{+1.2}_{-0.6} \cdot 10^4 \quad \frac{I_{\max}^{\text{fit}}}{I_{\max}^{\text{ABM}}} = 2.58 \pm 0.061$$

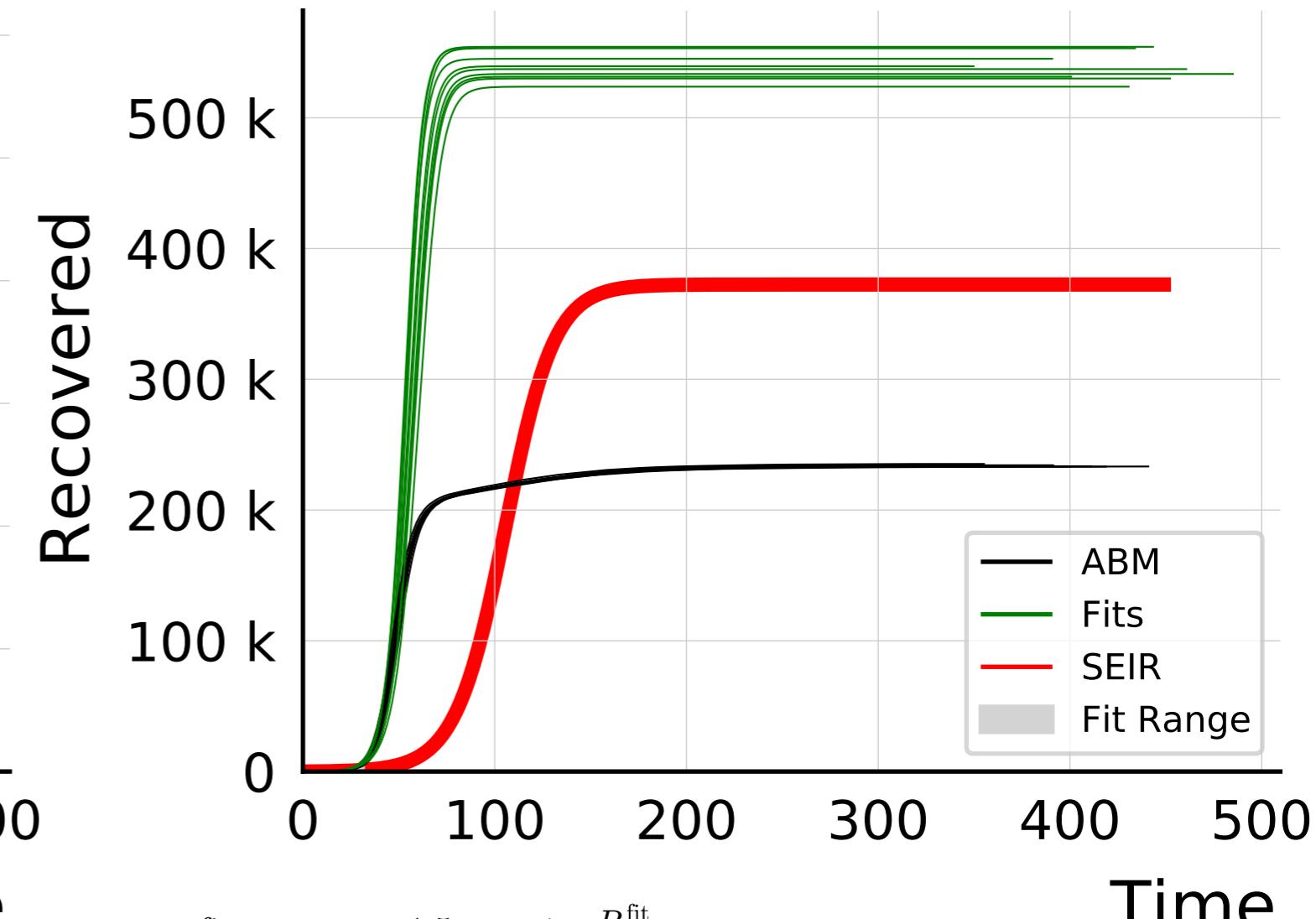


$$R_{\infty}^{\text{fit}} = 54.2^{+1.0}_{-0.7} \cdot 10^4 \quad \frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{inf}}} = 2.172 \pm 0.0090$$

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

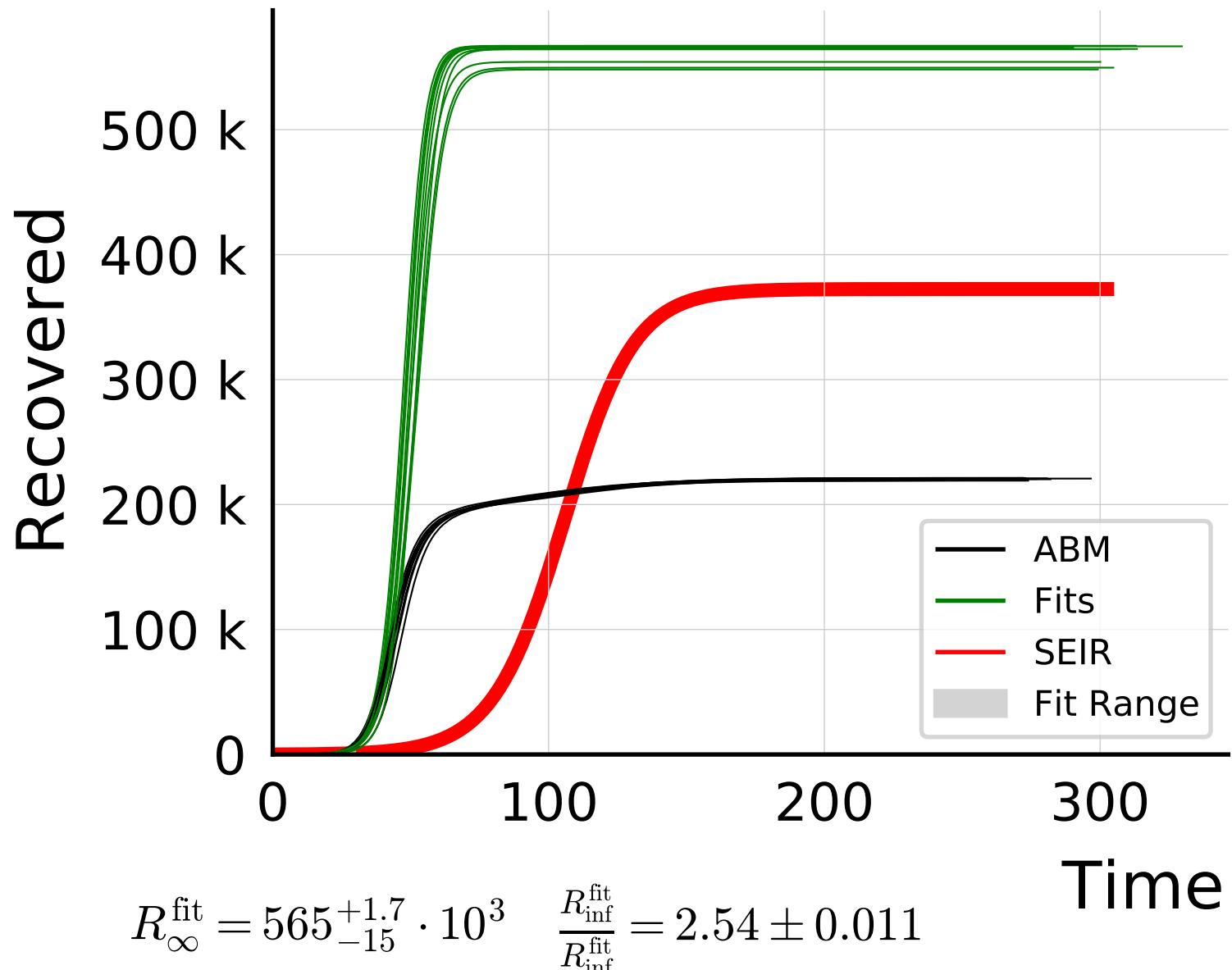
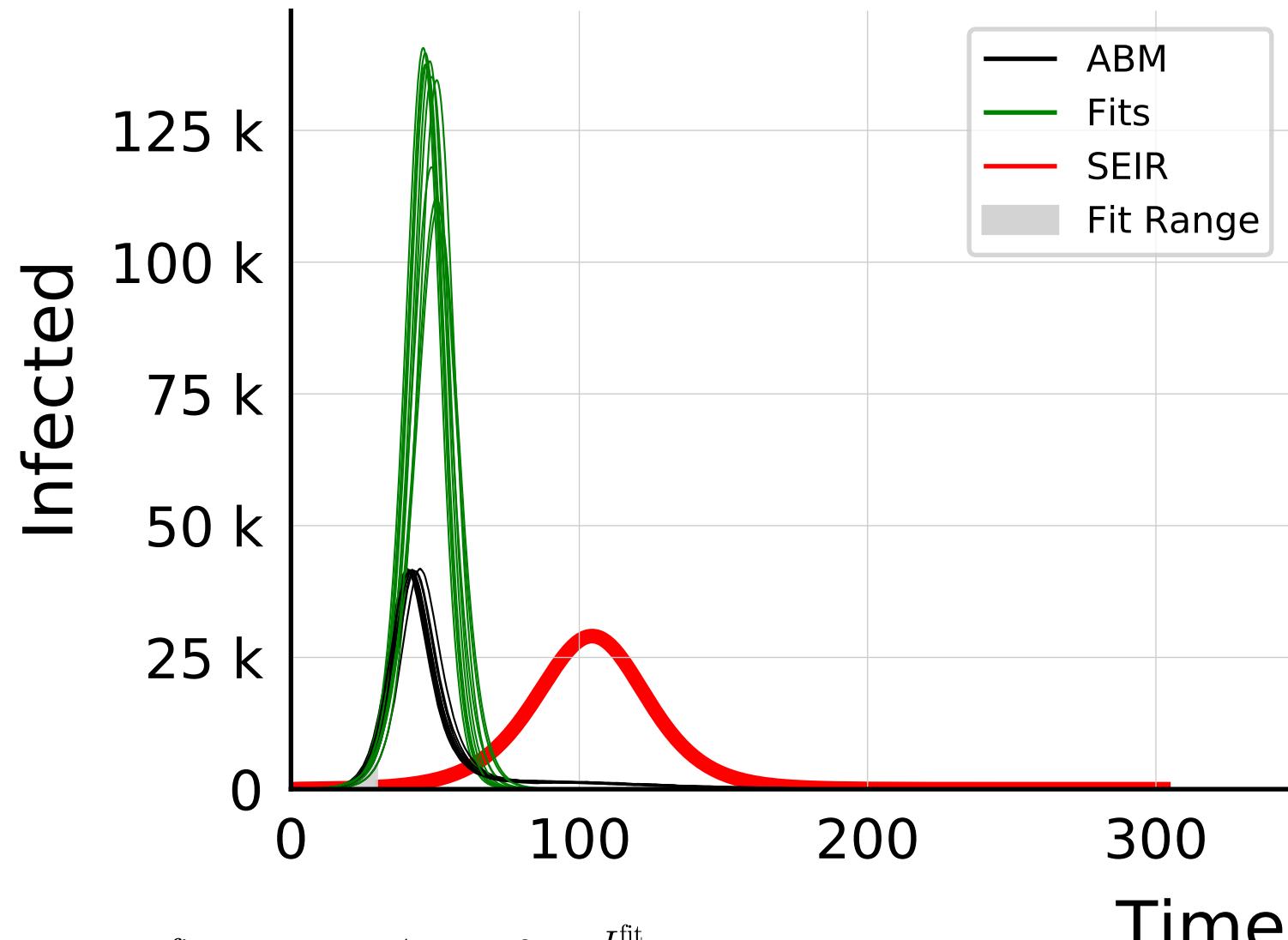


$$I_{\max}^{\text{fit}} = 10.0_{-0.7}^{+1.7} \cdot 10^4 \quad \frac{I_{\max}^{\text{fit}}}{I_{\max}^{\text{ABM}}} = 2.53 \pm 0.084$$

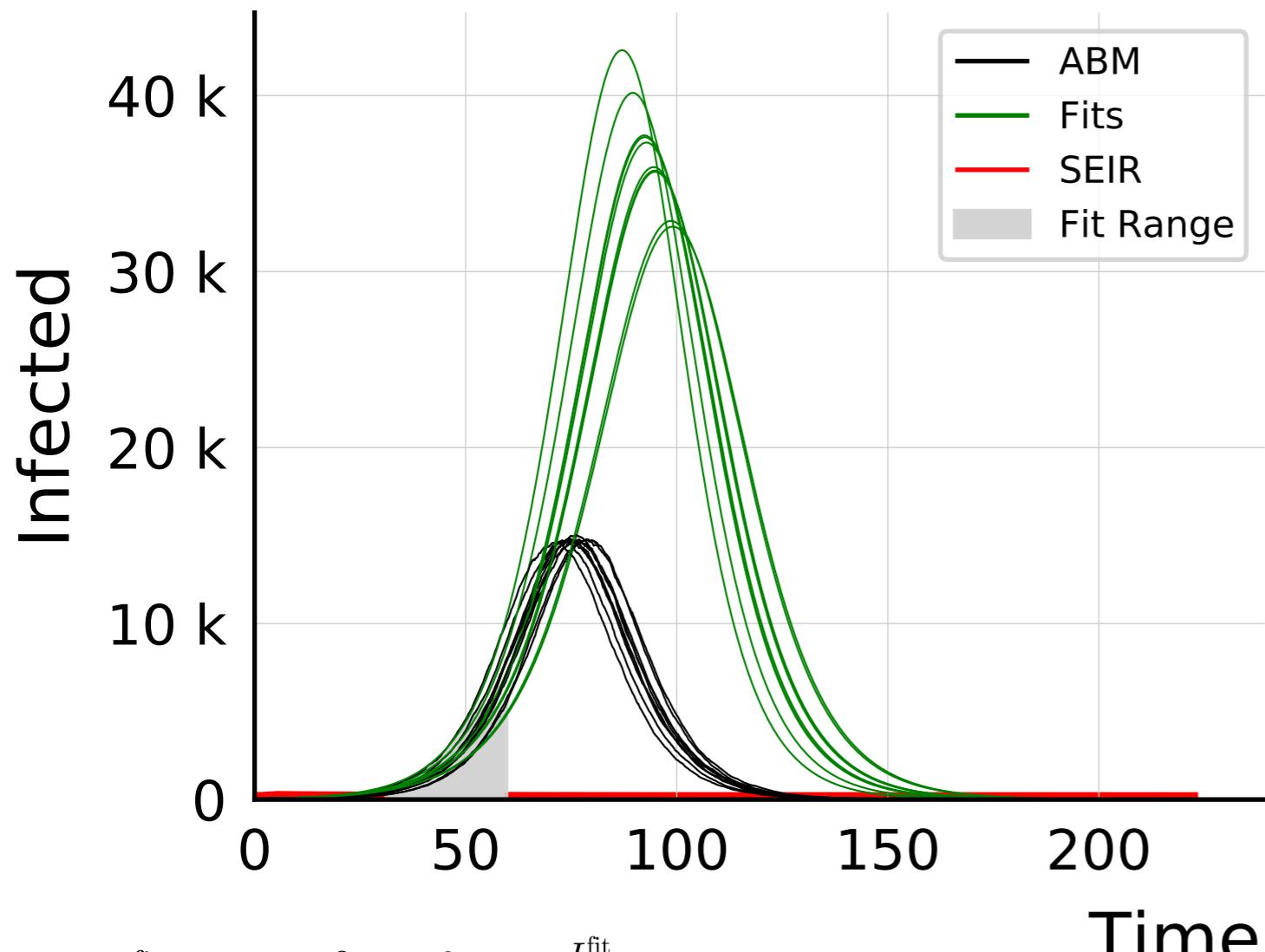


$$R_{\infty}^{\text{fit}} = 53.8_{-0.8}^{+1.5} \cdot 10^4 \quad \frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 2.31 \pm 0.014$$

$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.075$, $\epsilon_\rho = 0.02$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, #10

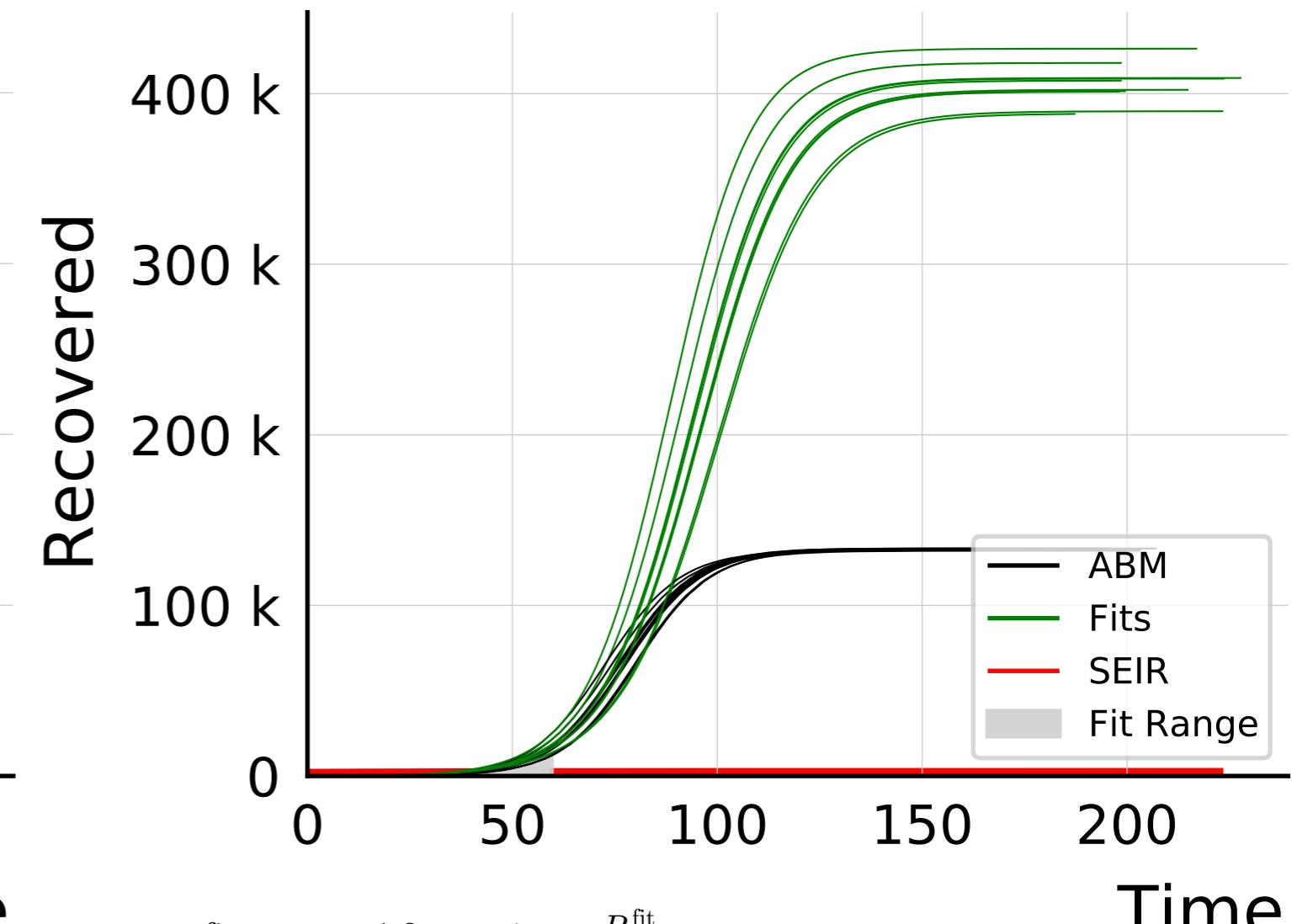


$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.075$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.005$, $\sigma_\beta = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, #10



$$I_{\max}^{\text{fit}} = 37^{+3}_{-4} \cdot 10^3$$

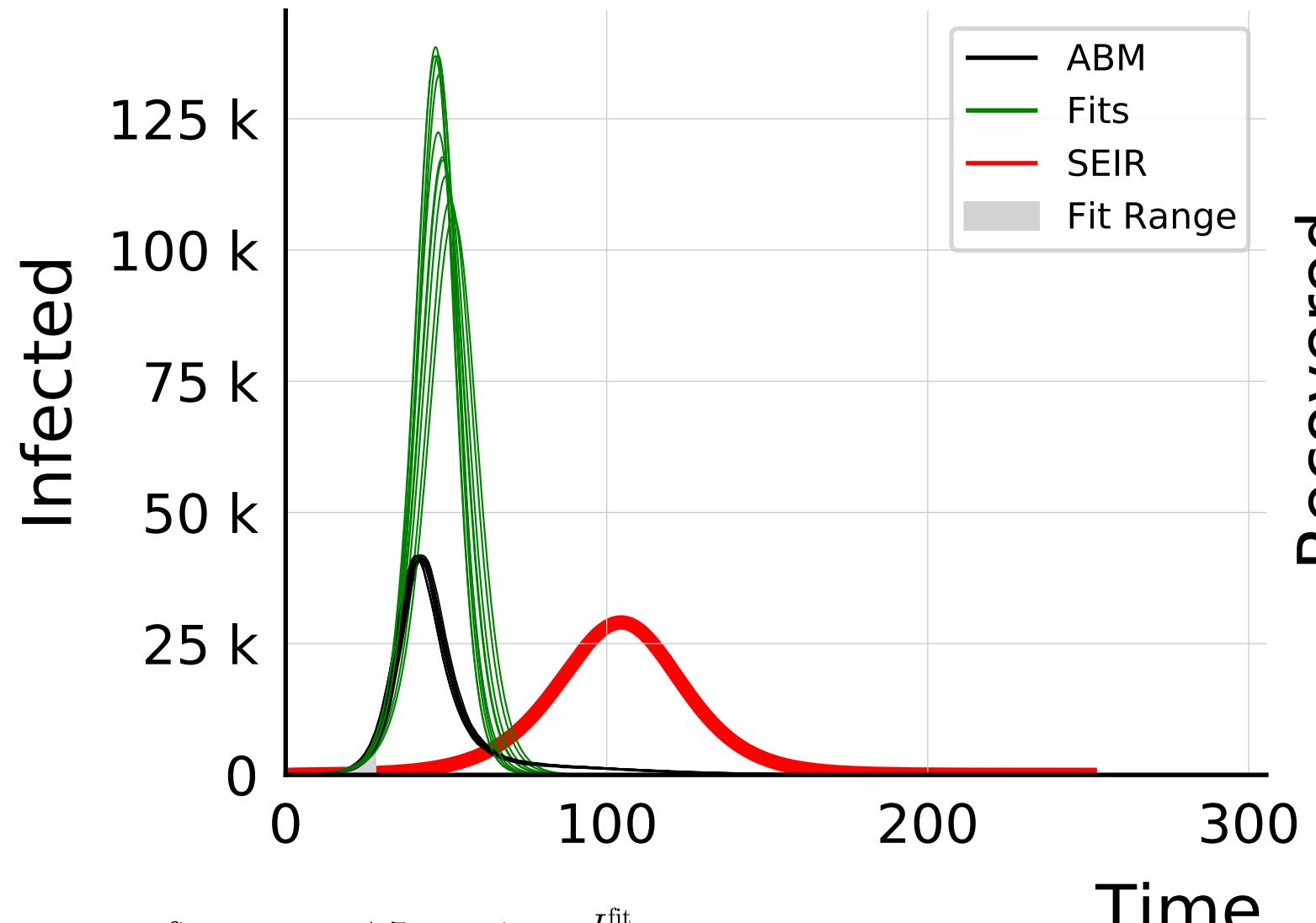
$$\frac{I_{\max}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 2.49 \pm 0.064$$



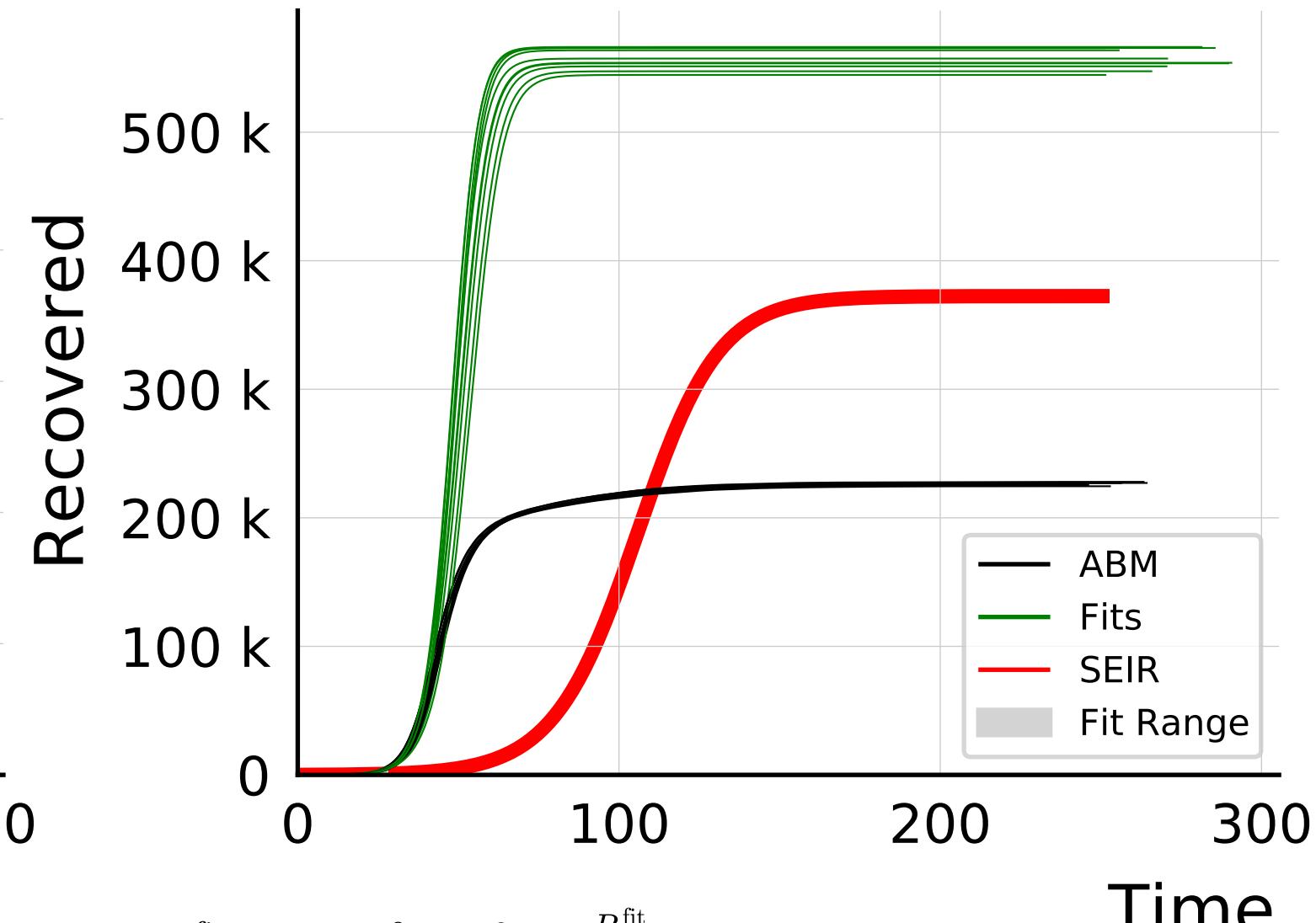
$$R_{\infty}^{\text{fit}} = 40^{+1.3}_{-1.5} \cdot 10^4$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\text{inf}}^{\text{fit}}} = 3.05 \pm 0.027$$

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

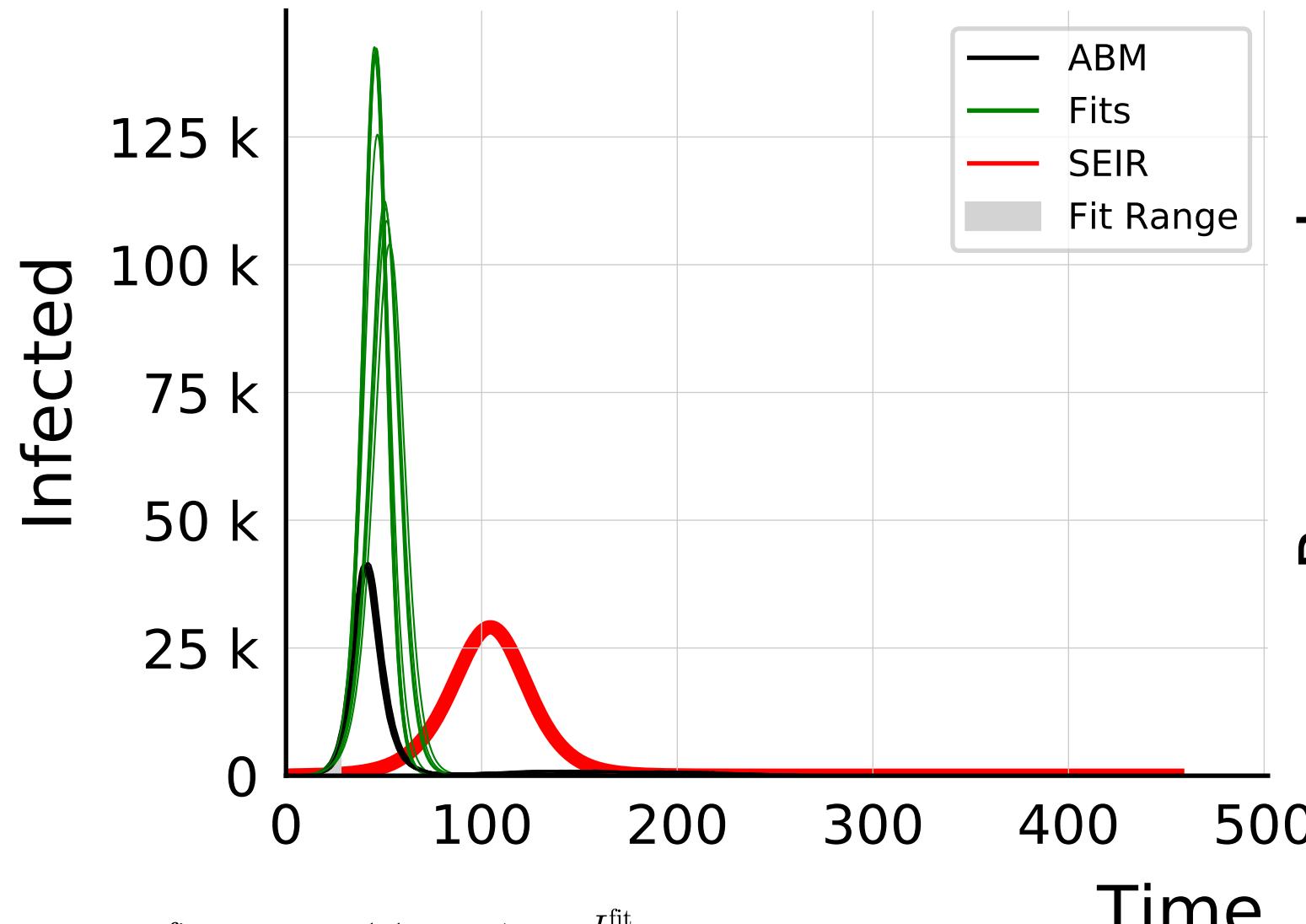


$$I_{\max}^{\text{fit}} = 12_{-1.1}^{+1.7} \cdot 10^4 \quad \frac{I_{\max}^{\text{fit}}}{I_{\max}^{\text{ABM}}} = 2.97 \pm 0.092$$

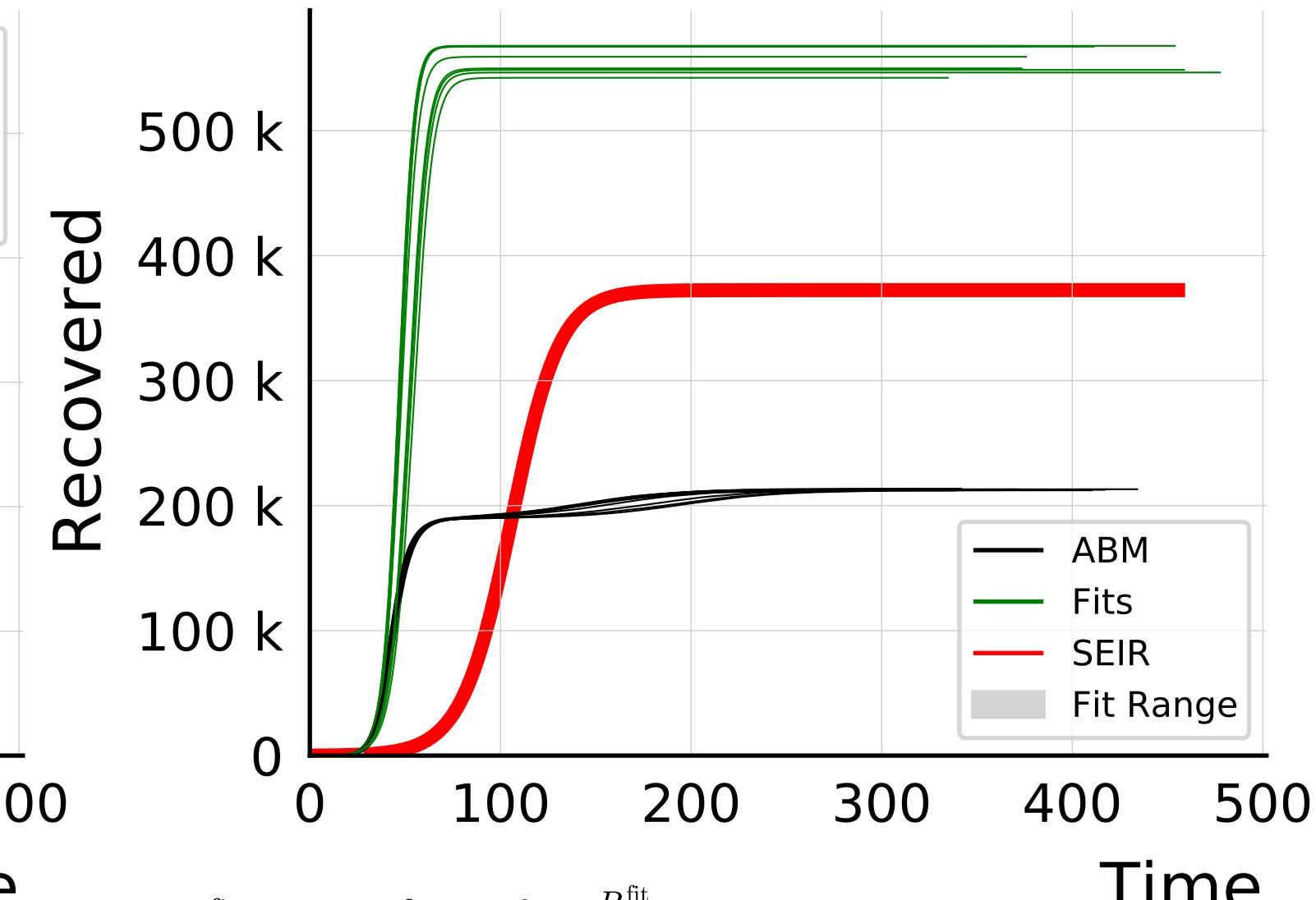


$$R_{\infty}^{\text{fit}} = 556_{-9}^{+9} \cdot 10^3 \quad \frac{R_{\infty}^{\text{fit}}}{R_{\text{inf}}^{\text{fit}}} = 2.46 \pm 0.011$$

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

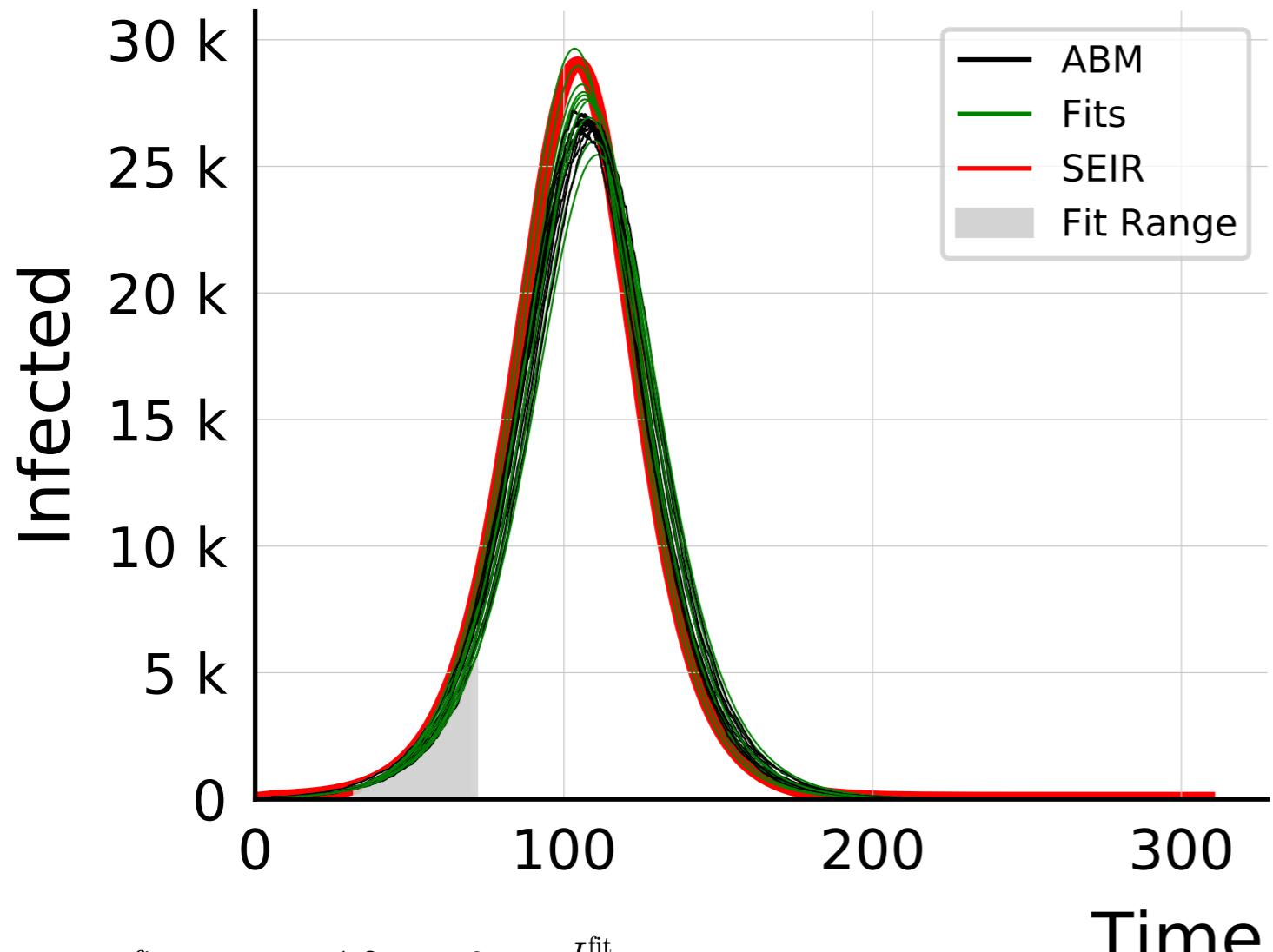


$$I_{\max}^{\text{fit}} = 13_{-2}^{+1.1} \cdot 10^4 \quad \frac{I_{\max}^{\text{fit}}}{I_{\max}^{\text{ABM}}} = 3.1 \pm 0.12$$

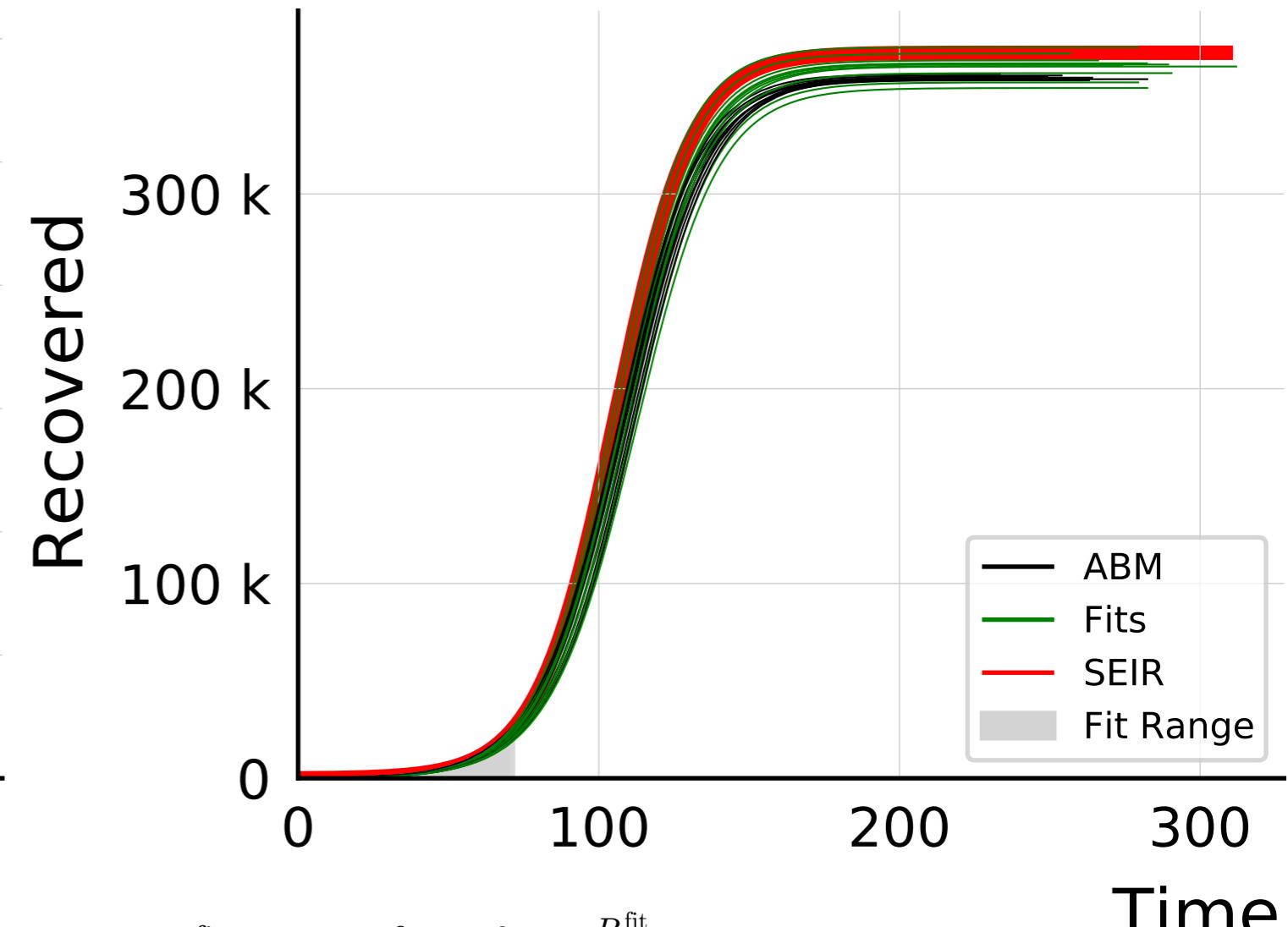


$$R_{\infty}^{\text{fit}} = 562_{-16}^{+6} \cdot 10^3 \quad \frac{R_{\text{inf}}^{\text{fit}}}{R_{\infty}^{\text{fit}}} = 2.62 \pm 0.016$$

$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.0$, $\epsilon_\rho = 0.02$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, #10

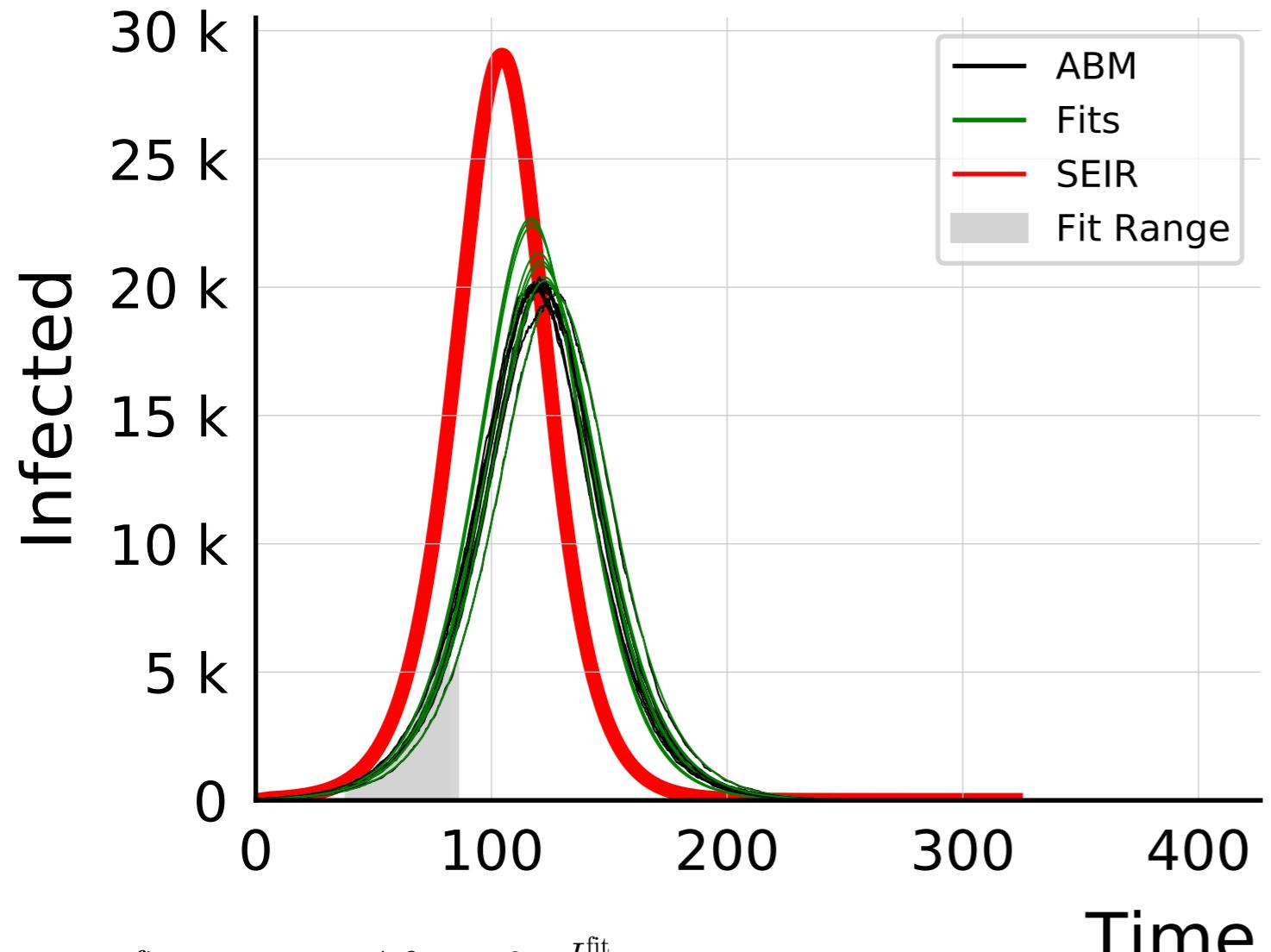


$$I_{\max}^{\text{fit}} = 28_{-1.8}^{+1.2} \cdot 10^3 \quad \frac{I_{\max}^{\text{fit}}}{I_{\max}^{\text{ABM}}} = 1.03 \pm 0.014$$

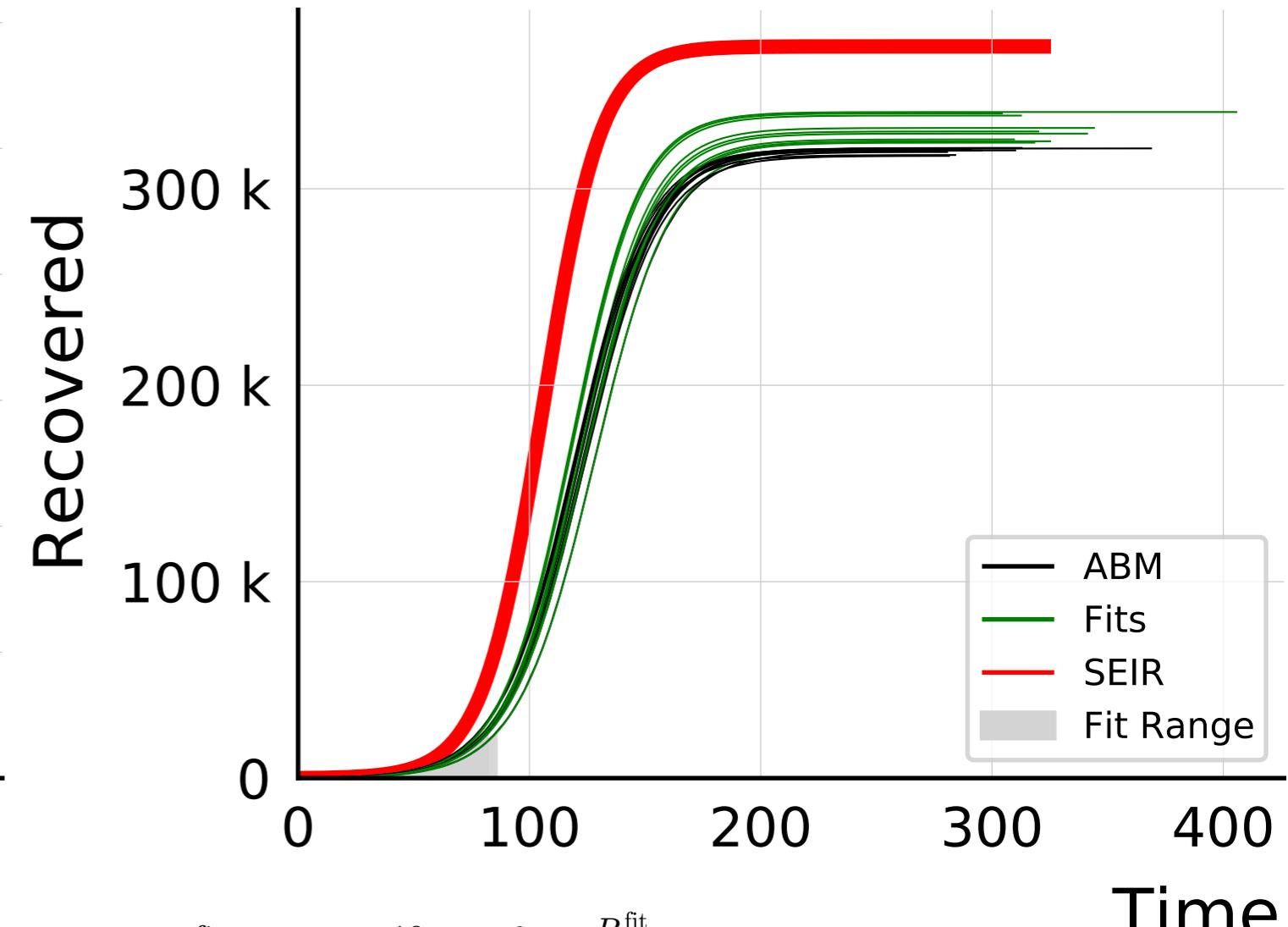


$$R_{\infty}^{\text{fit}} = 366_{-9}^{+6} \cdot 10^3 \quad \frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{inf}}} = 1.016 \pm 0.0048$$

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

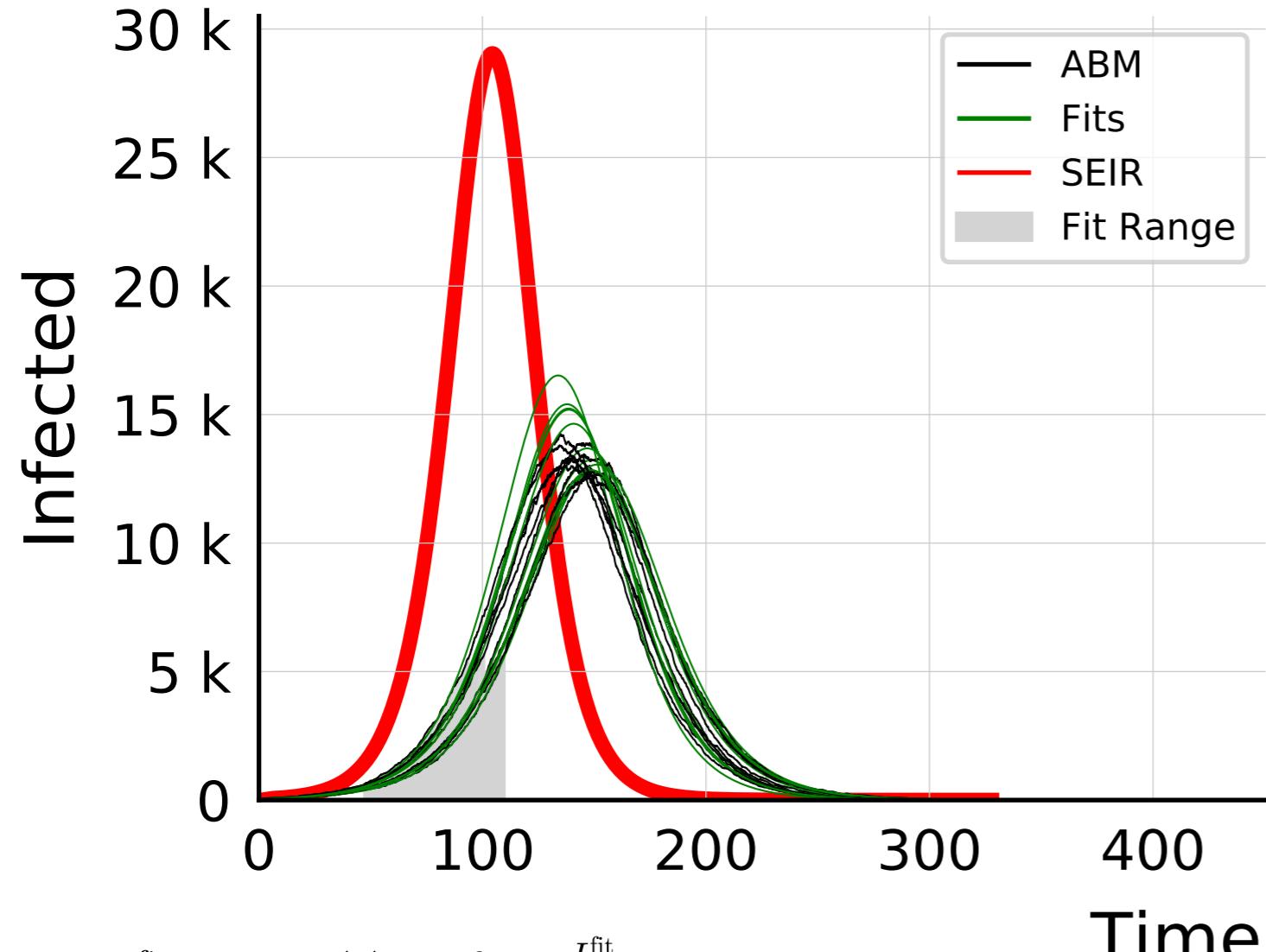


$$I_{\max}^{\text{fit}} = 21.0_{-0.8}^{+1.6} \cdot 10^3 \quad \frac{I_{\max}^{\text{fit}}}{I_{\max}^{\text{ABM}}} = 1.05 \pm 0.015$$

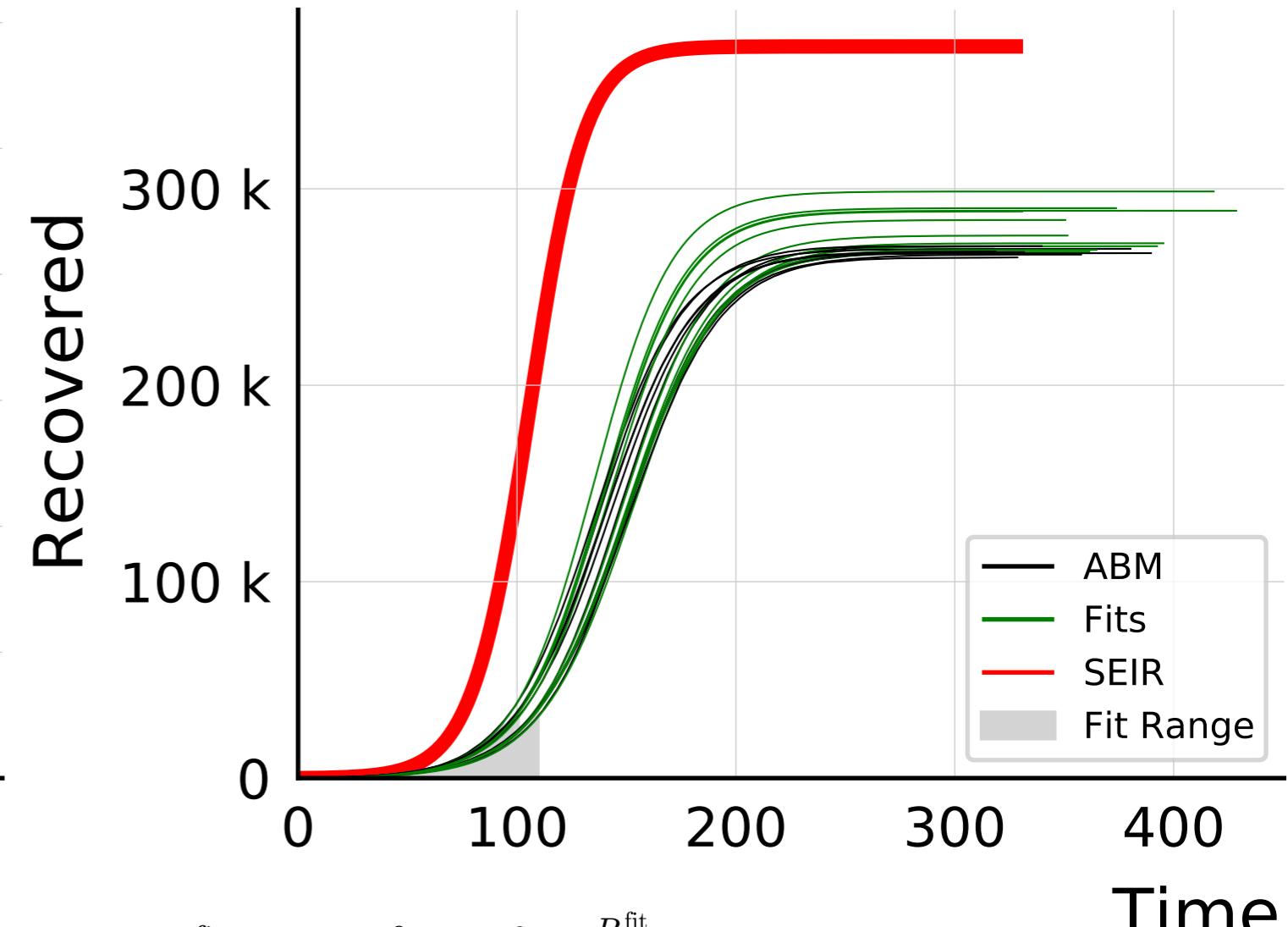


$$R_{\infty}^{\text{fit}} = 329_{-5}^{+10} \cdot 10^3 \quad \frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.033 \pm 0.0061$$

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

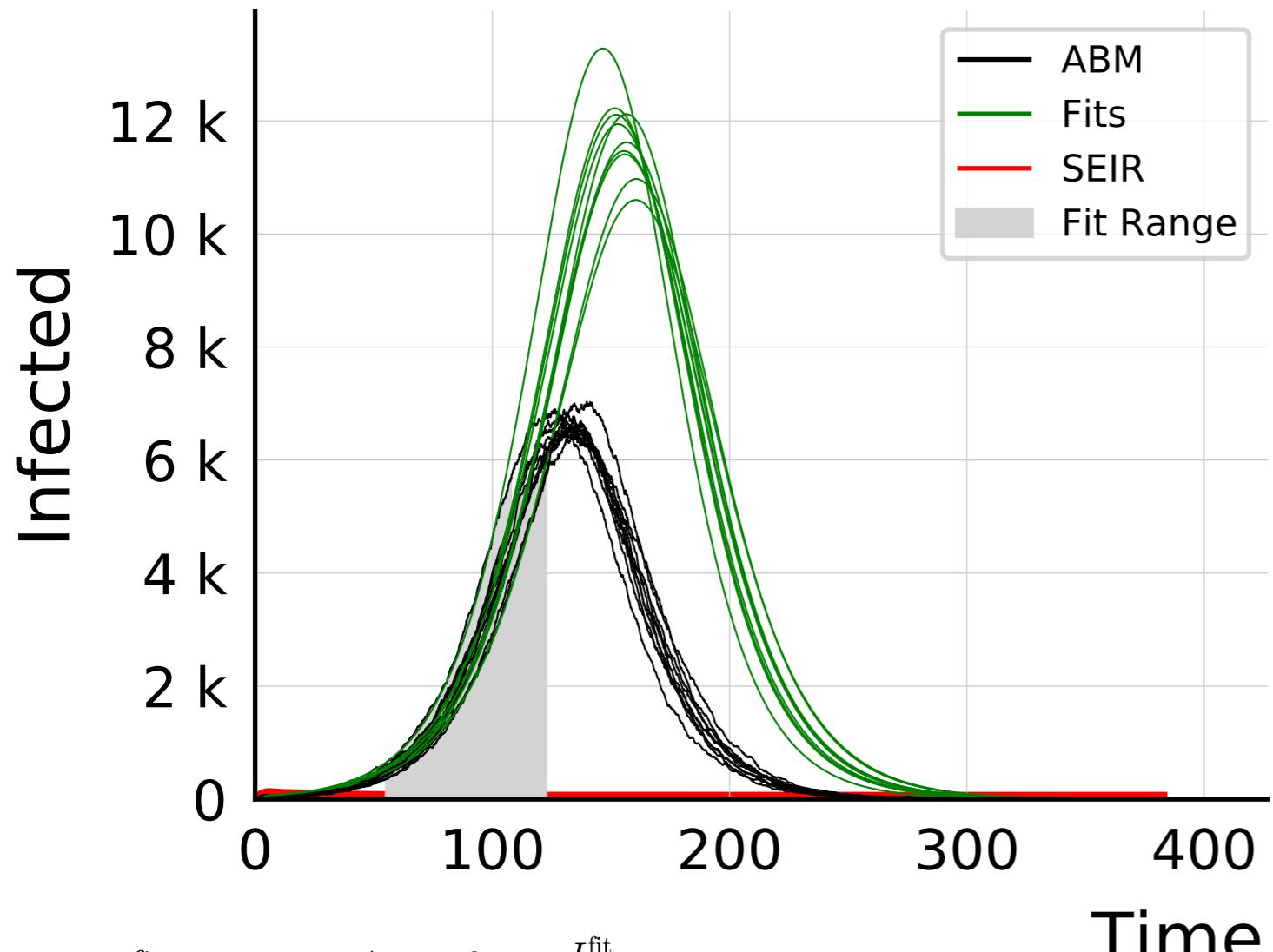


$$I_{\max}^{\text{fit}} = 14^{+1.1}_{-1.4} \cdot 10^3 \quad \frac{I_{\max}^{\text{fit}}}{I_{\max}^{\text{ABM}}} = 1.07 \pm 0.024$$

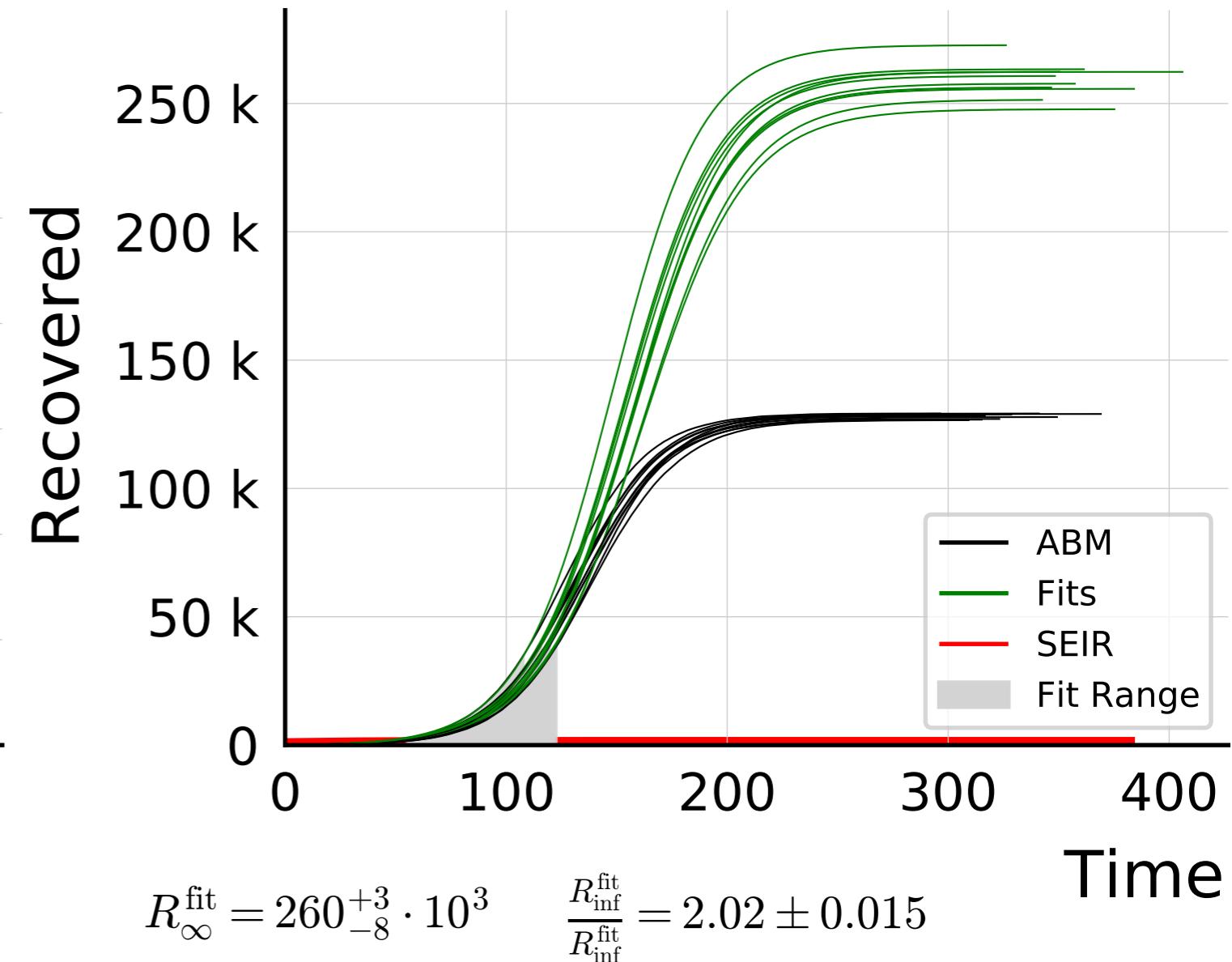


$$R_{\infty}^{\text{fit}} = 281^{+9}_{-12} \cdot 10^3 \quad \frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{inf}}} = 1.05 \pm 0.011$$

$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 10.0$, $\sigma_\mu = 1.0$, $\beta = 0.02$, $\sigma_\beta = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, #10

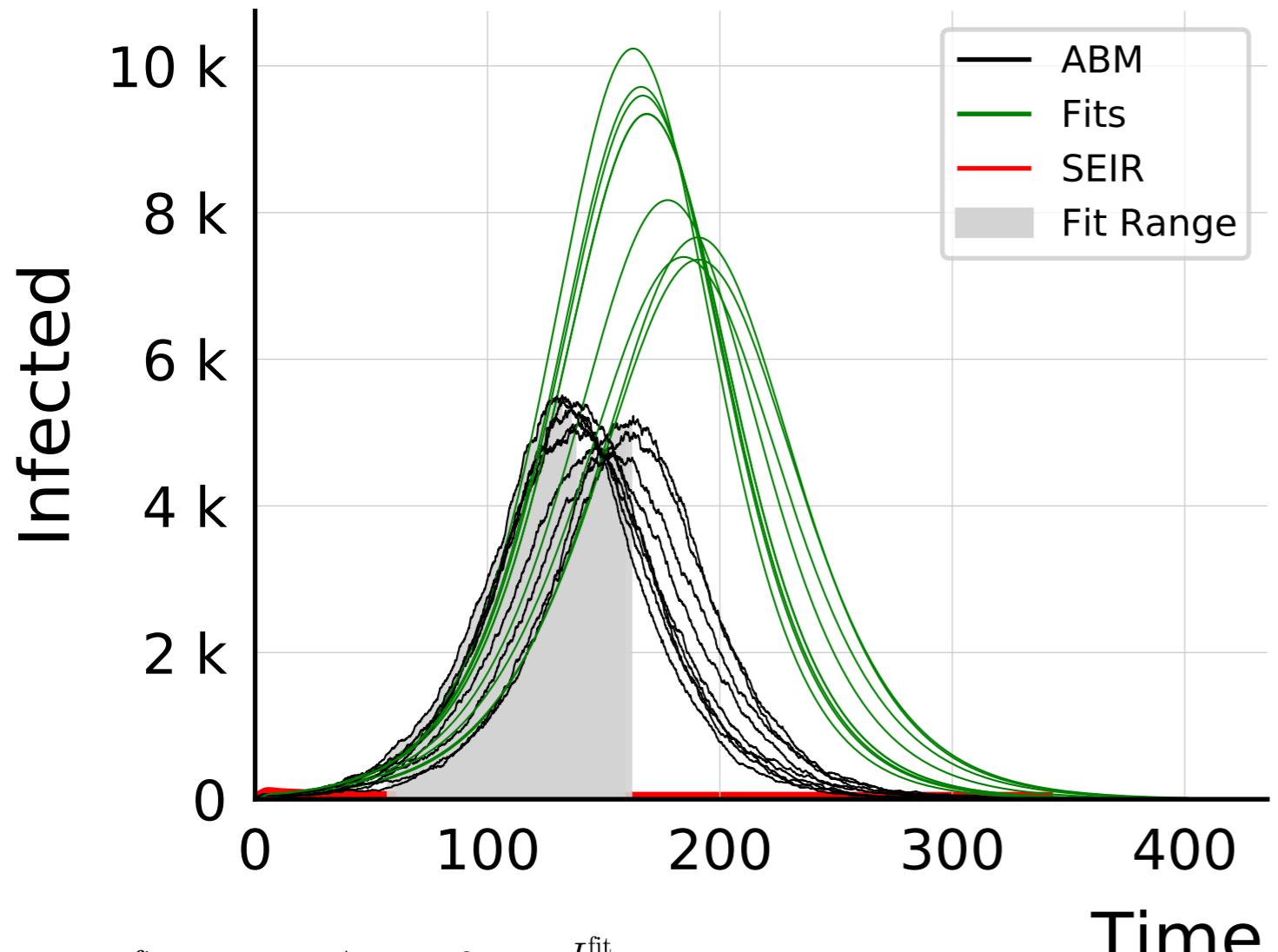


$$I_{\max}^{\text{fit}} = 119_{-9}^{+4} \cdot 10^2 \quad \frac{I_{\max}^{\text{fit}}}{I_{\max}^{\text{ABM}}} = 1.76 \pm 0.033$$

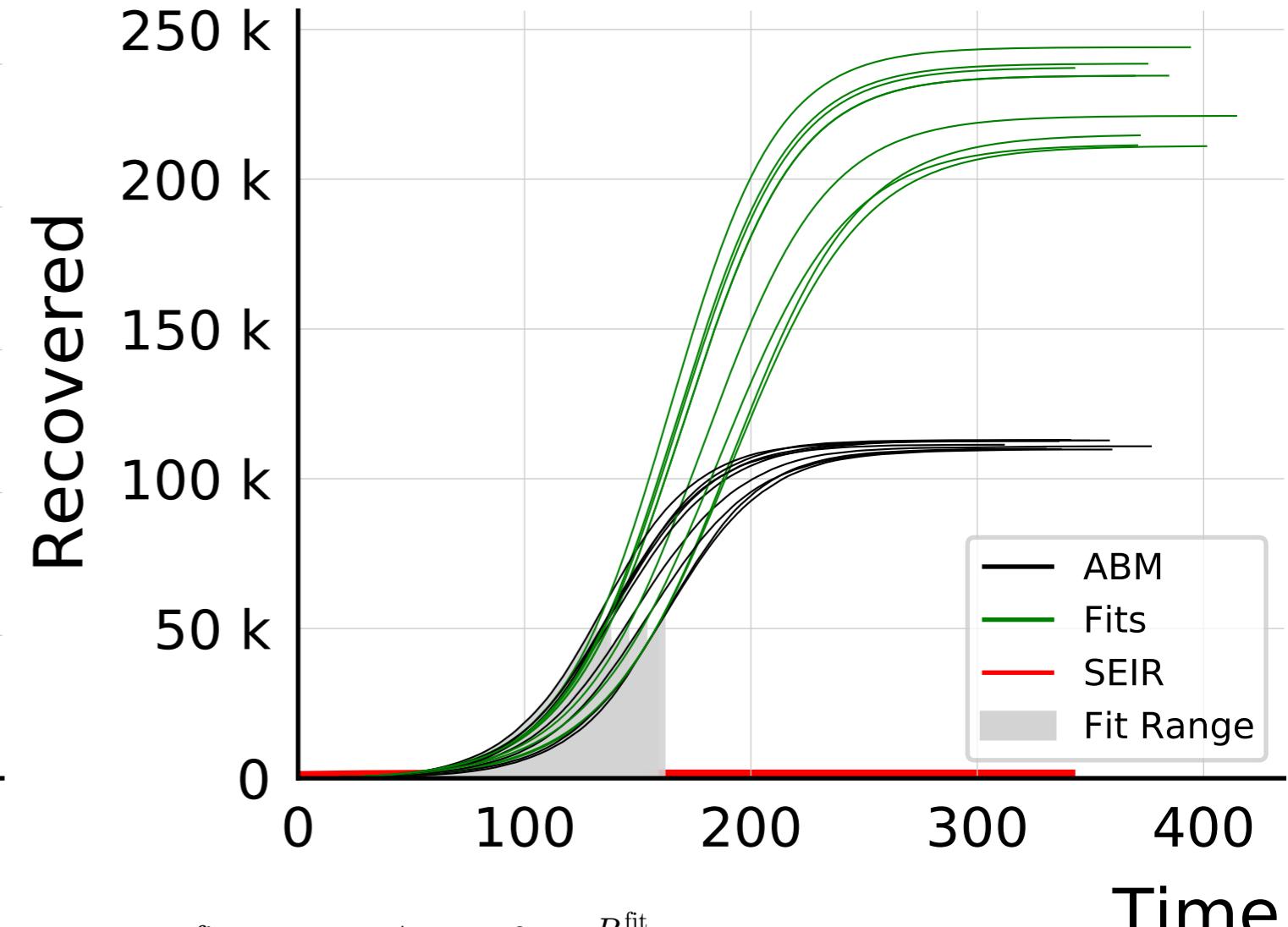


$$R_{\infty}^{\text{fit}} = 260_{-8}^{+3} \cdot 10^3 \quad \frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{inf}}} = 2.02 \pm 0.015$$

$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 10.0$, $\sigma_\mu = 1.0$, $\beta = 0.02$, $\sigma_\beta = 1.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, #9

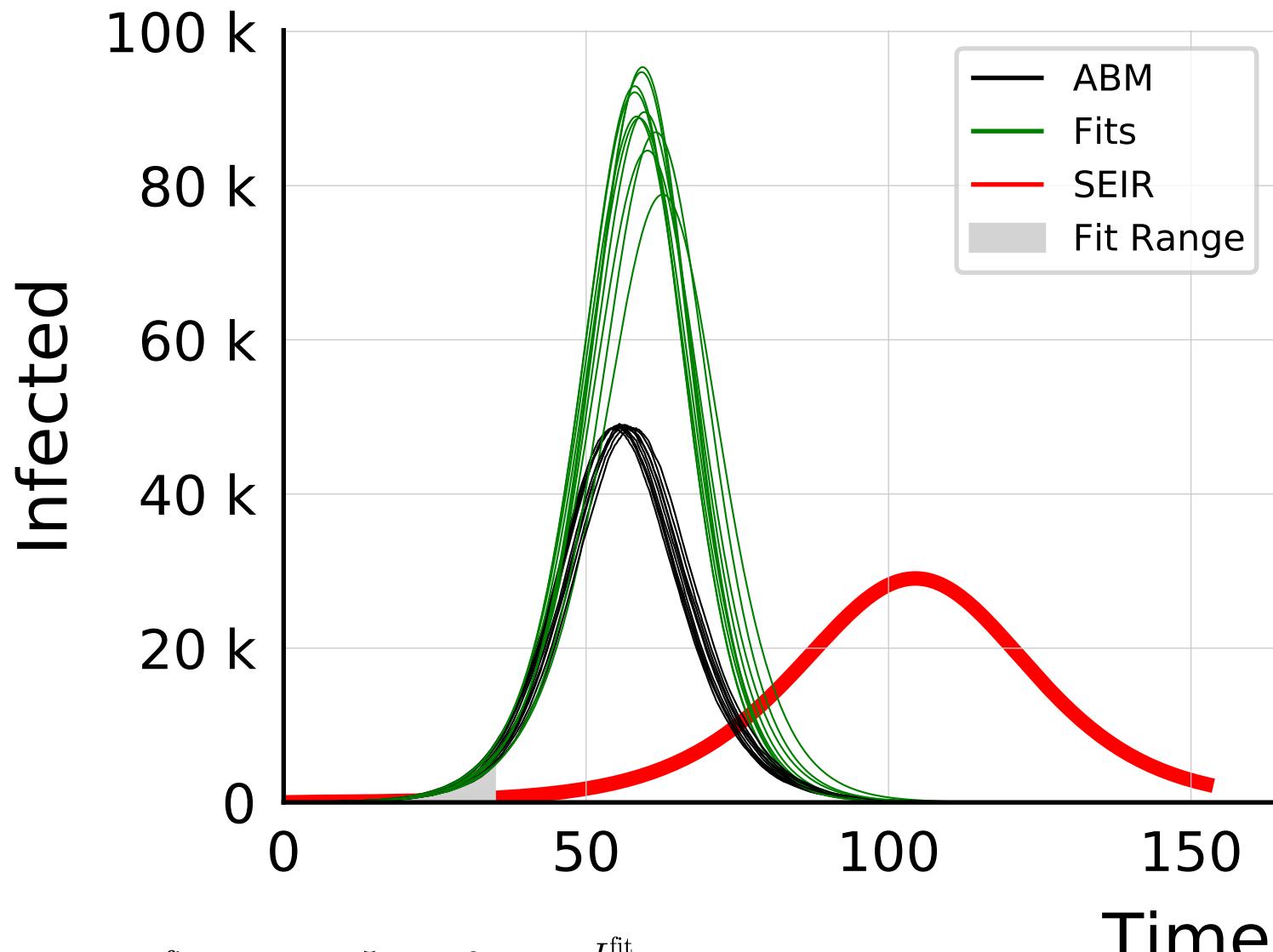


$$I_{\max}^{\text{fit}} = 93^{+4}_{-19} \cdot 10^2 \quad \frac{I_{\max}^{\text{fit}}}{I_{\max}^{\text{ABM}}} = 1.7 \pm 0.050$$



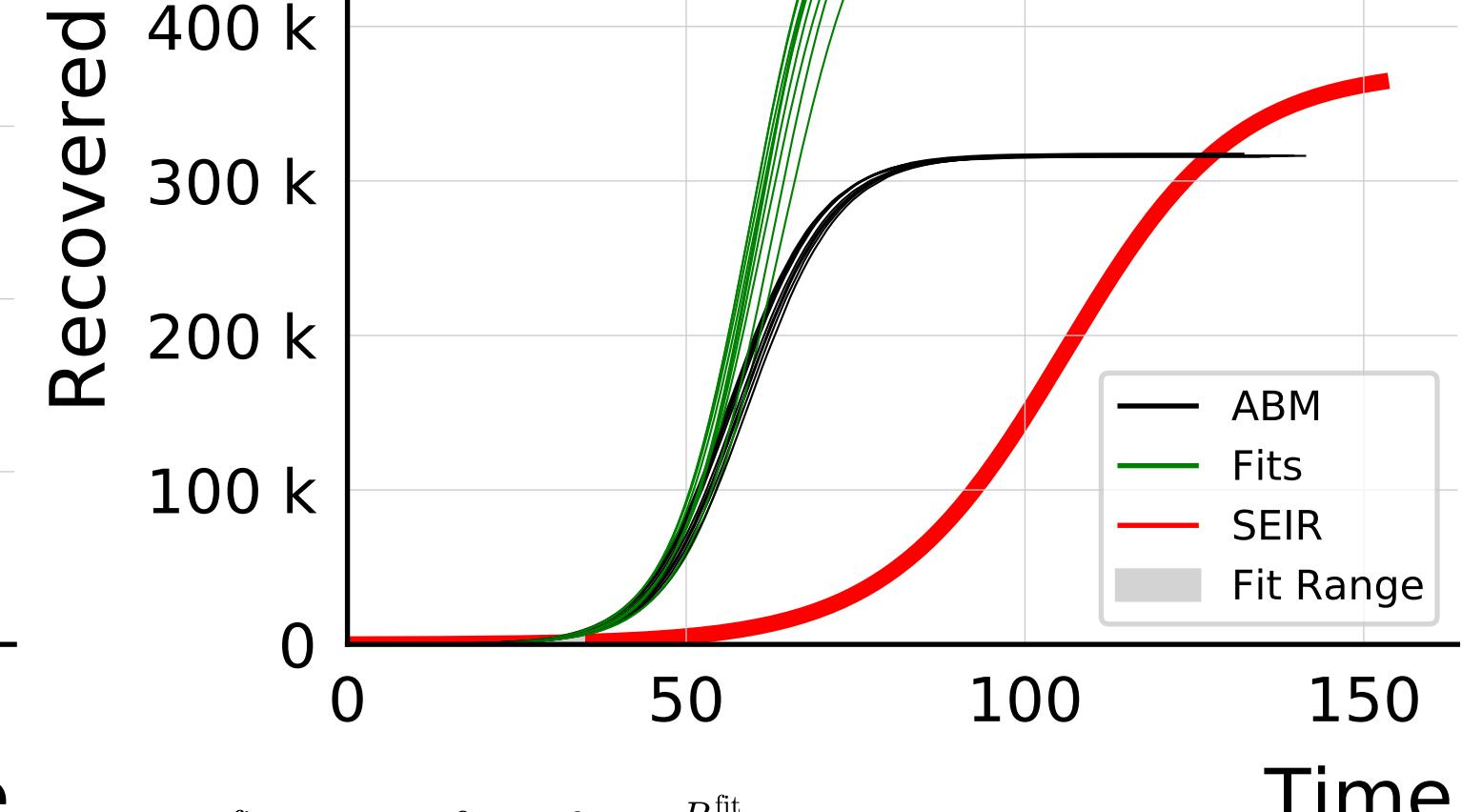
$$R_{\infty}^{\text{fit}} = 235^{+4}_{-20} \cdot 10^3 \quad \frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{inf}}} = 2.04 \pm 0.029$$

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



$$I_{\max}^{\text{fit}} = 89^{+5}_{-5} \cdot 10^3$$

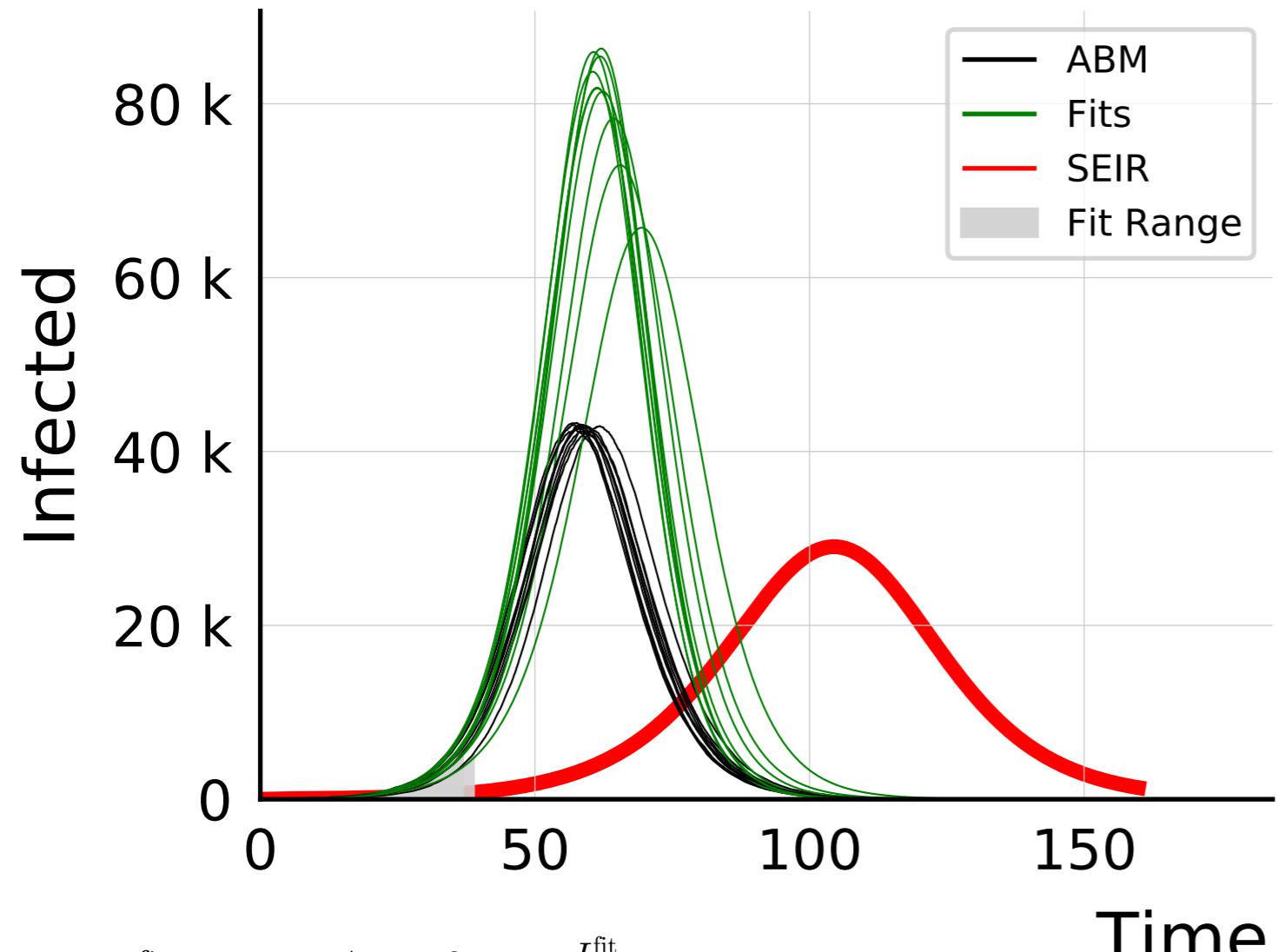
$$\frac{I_{\max}^{\text{fit}}}{I_{\max}^{\text{ABM}}} = 1.83 \pm 0.030$$



$$R_{\infty}^{\text{fit}} = 526^{+6}_{-6} \cdot 10^3$$

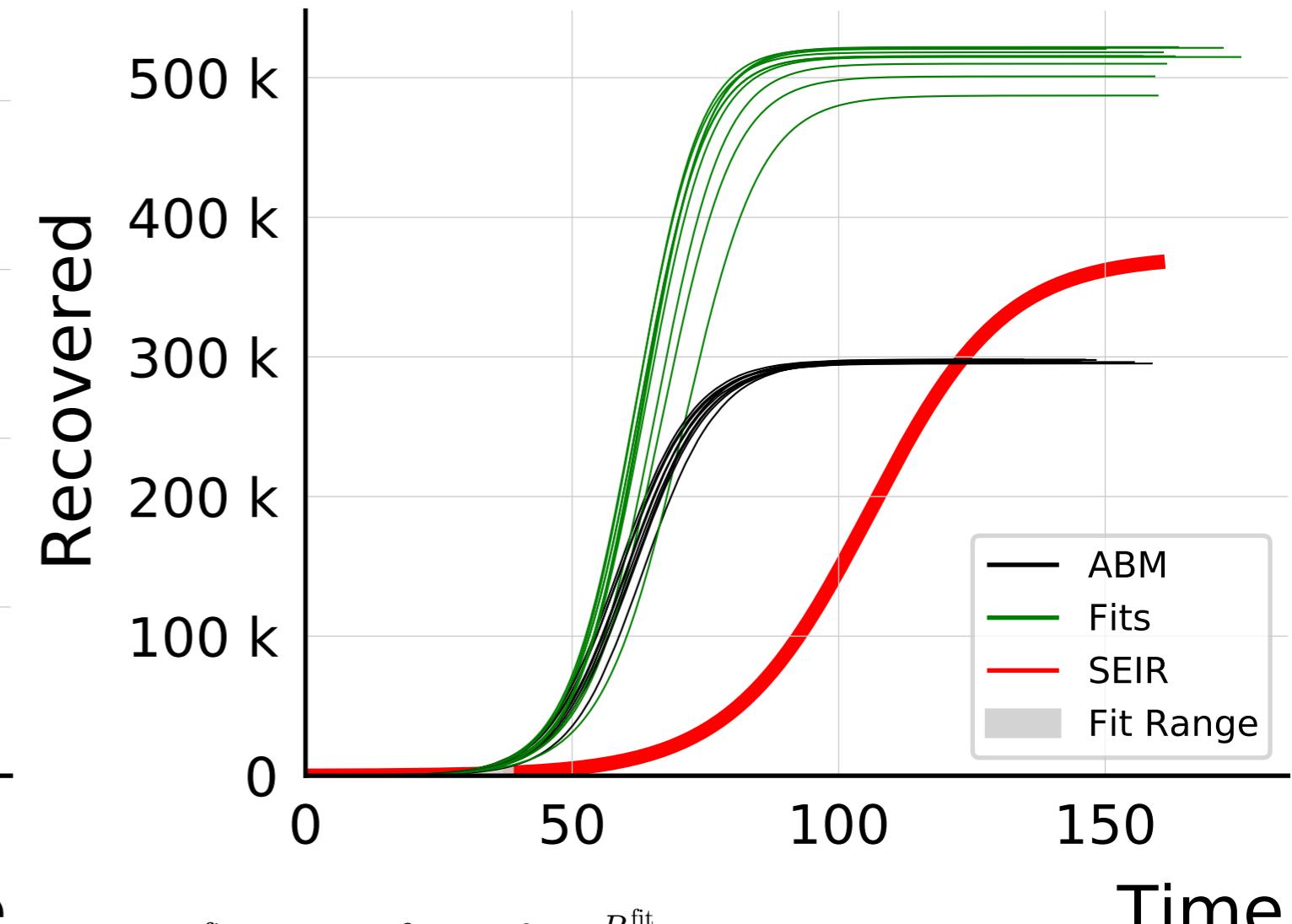
$$\frac{R_{\infty}^{\text{fit}}}{R_{\text{inf}}^{\text{fit}}} = 1.661 \pm 0.0067$$

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



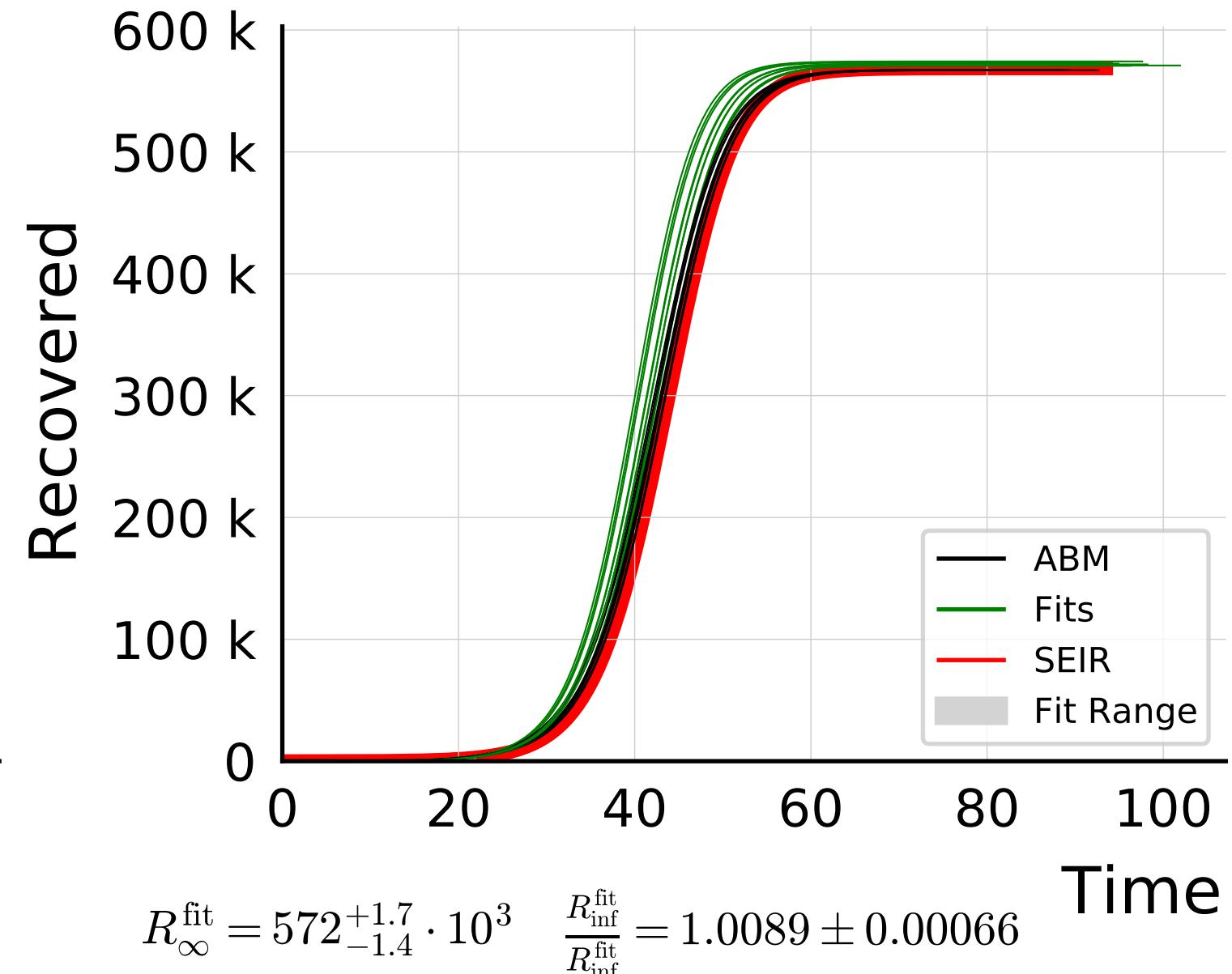
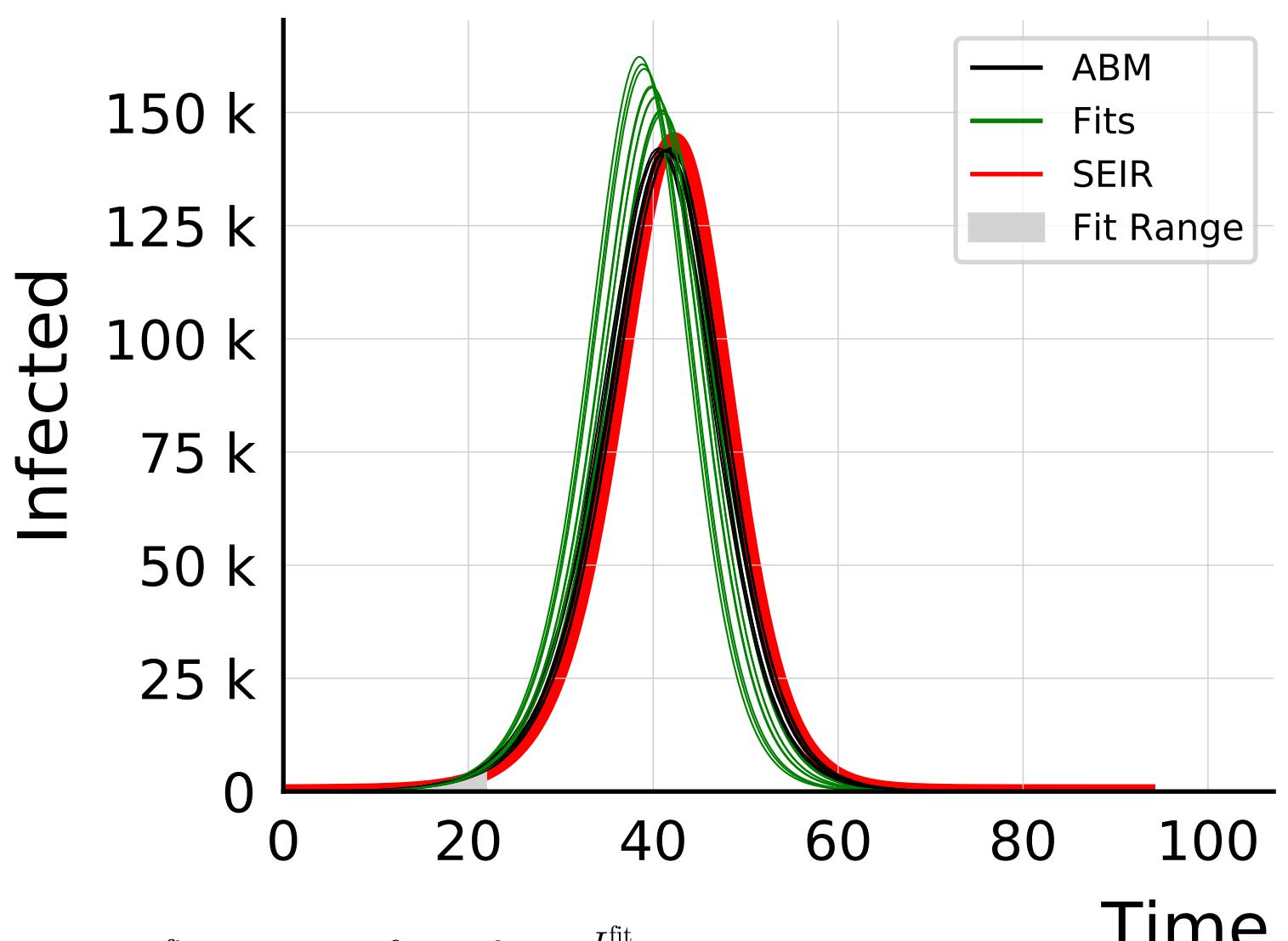
$$I_{\max}^{\text{fit}} = 82_{-9}^{+4} \cdot 10^3$$

$$\frac{I_{\max}^{\text{fit}}}{I_{\max}^{\text{ABM}}} = 1.88 \pm 0.046$$

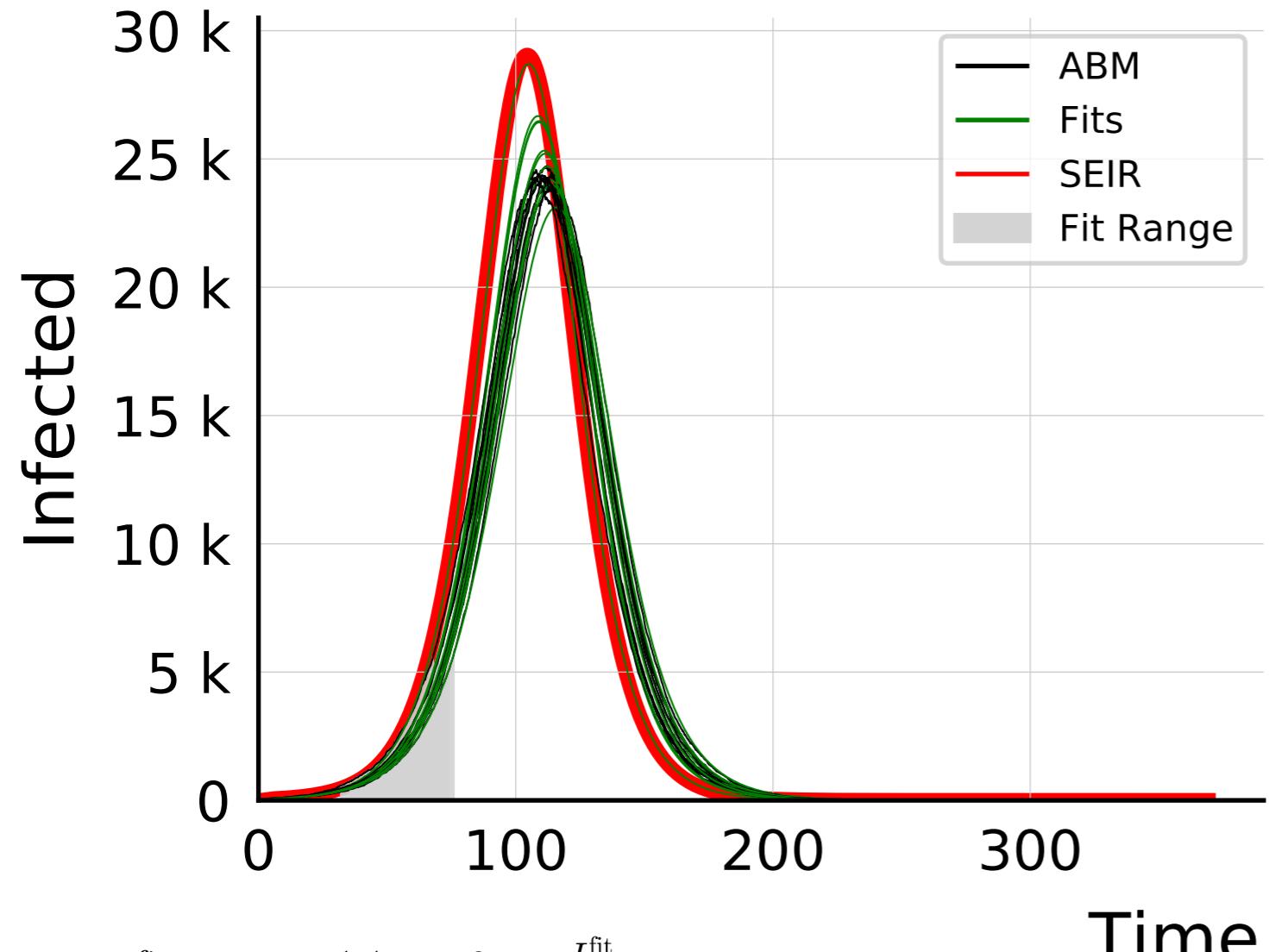


$$R_{\infty}^{\text{fit}} = 516_{-14}^{+6} \cdot 10^3 \quad \frac{R_{\text{inf}}^{\text{fit}}}{R_{\text{inf}}} = 1.73 \pm 0.011$$

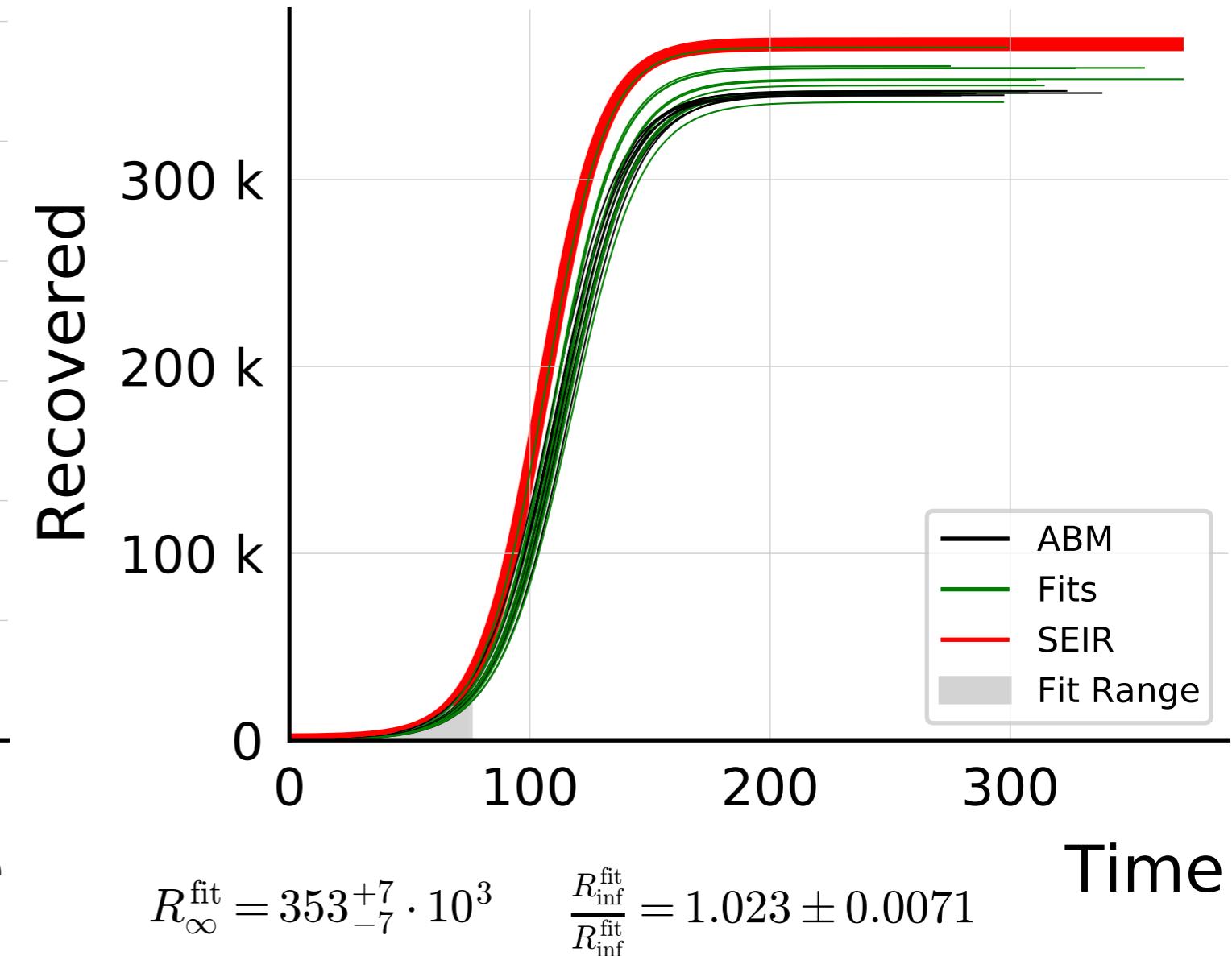
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 100.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, #10



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

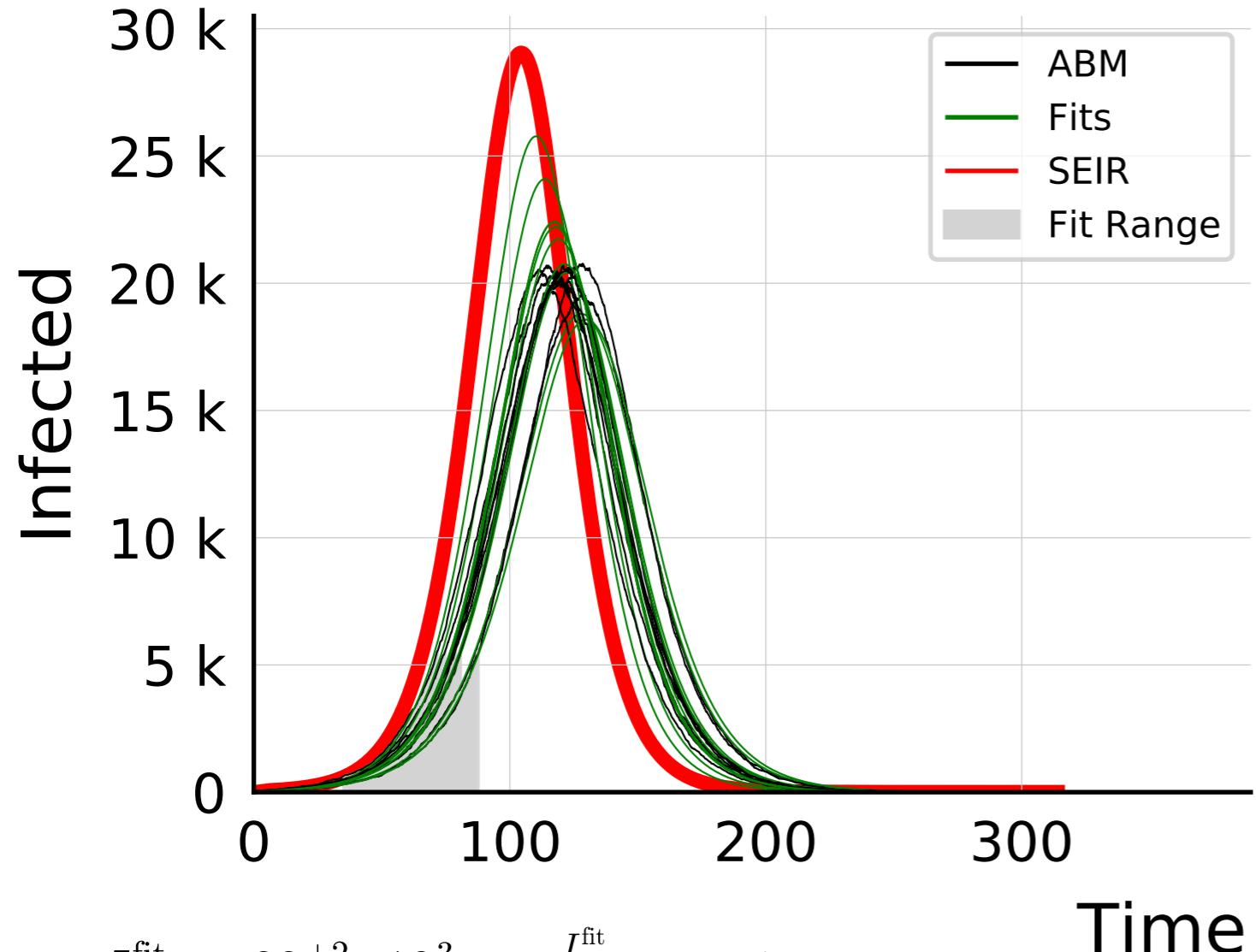


$$I_{\max}^{\text{fit}} = 25^{+1.4}_{-1.3} \cdot 10^3 \quad \frac{I_{\max}^{\text{fit}}}{I_{\max}^{\text{ABM}}} = 1.05 \pm 0.019$$



$$R_{\infty}^{\text{fit}} = 353^{+7}_{-7} \cdot 10^3 \quad \frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.023 \pm 0.0071$$

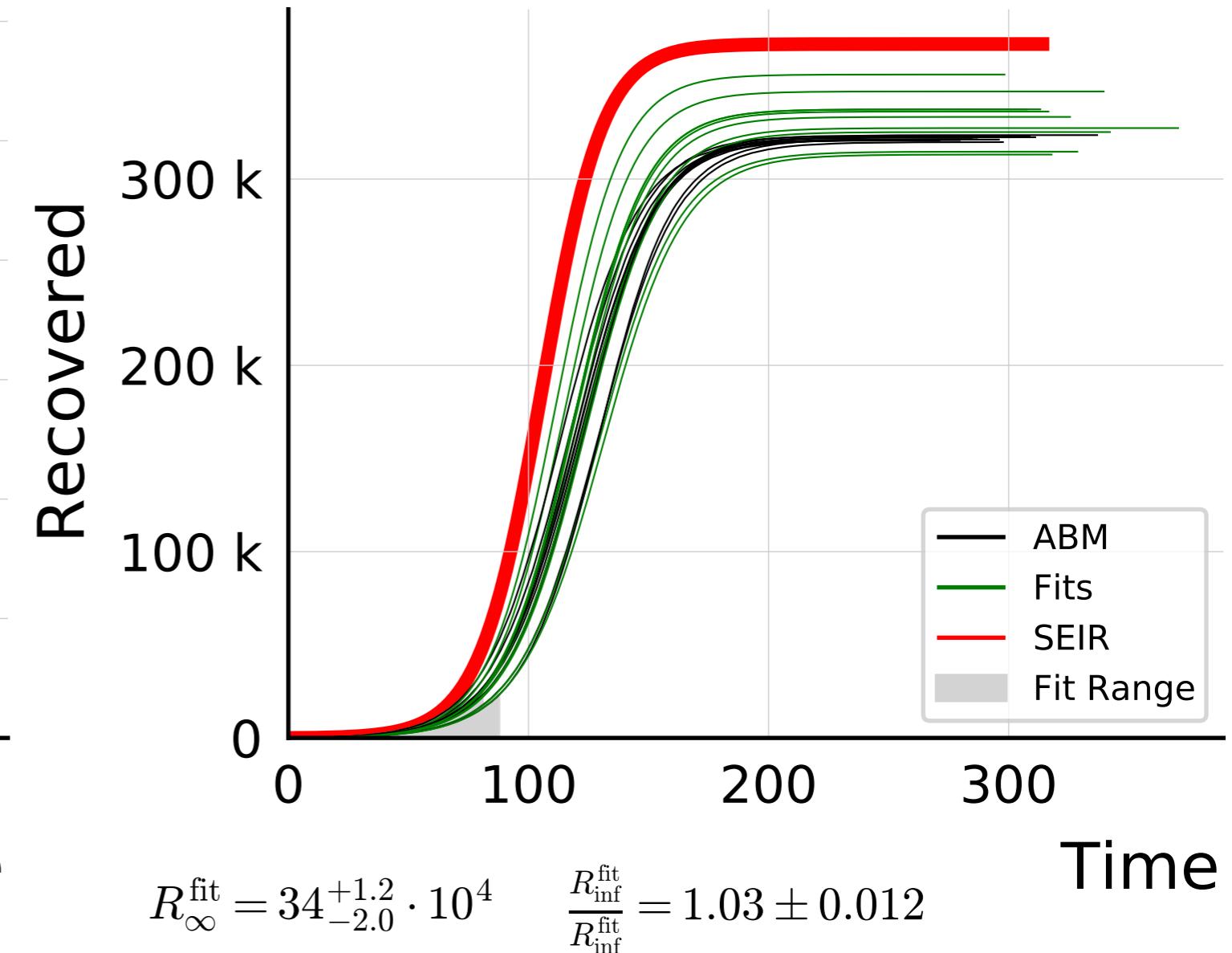
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 20.0$, $\sigma_\mu = 0.0$, $\beta = 0.02$, $\sigma_\beta = 1.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, #10



$$I_{\text{max}}^{\text{fit}} = 22^{+2}_{-3} \cdot 10^3$$

$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1.07 \pm 0.032$$

Time

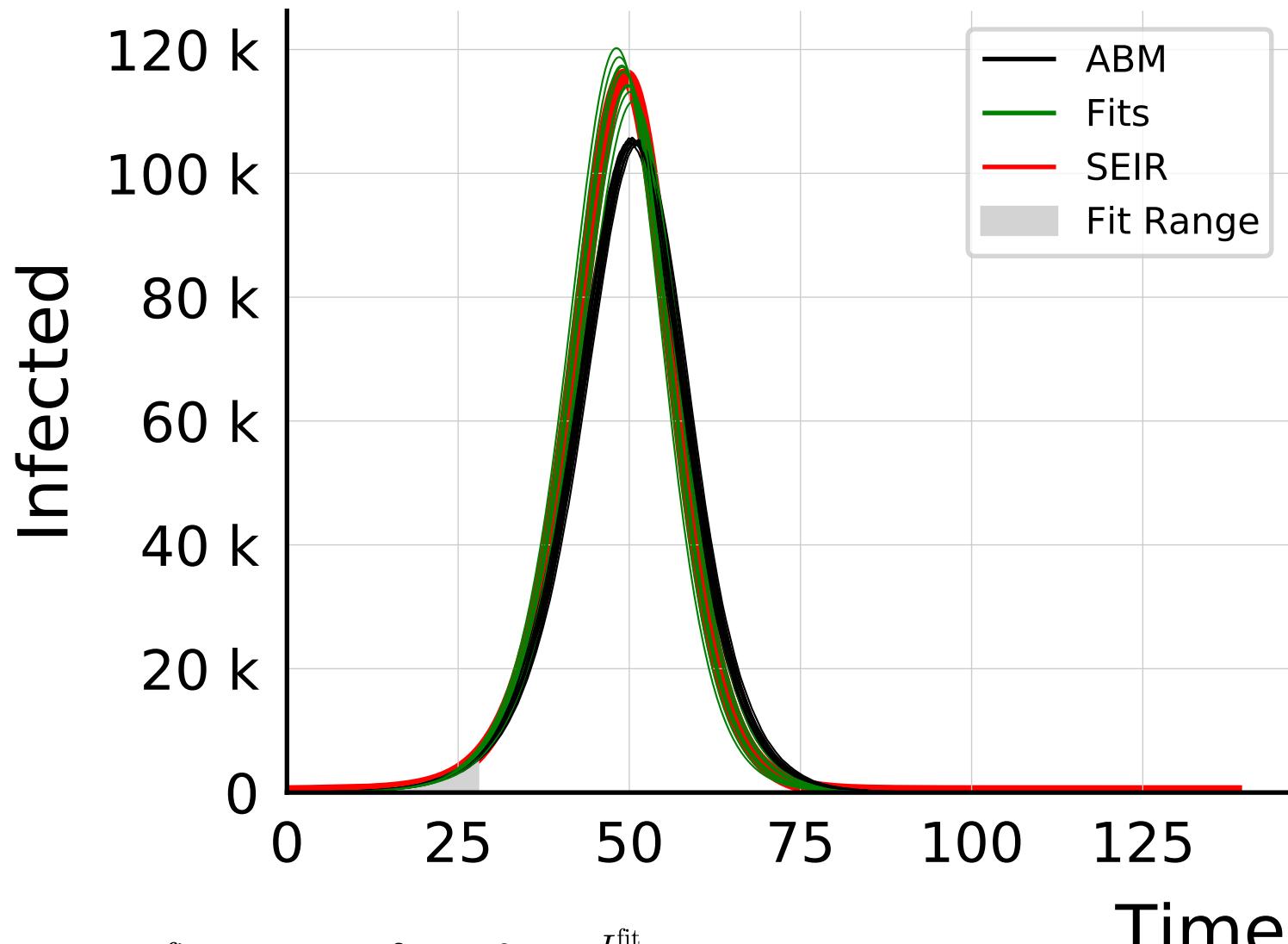


$$R_{\infty}^{\text{fit}} = 34^{+1.2}_{-2.0} \cdot 10^4$$

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

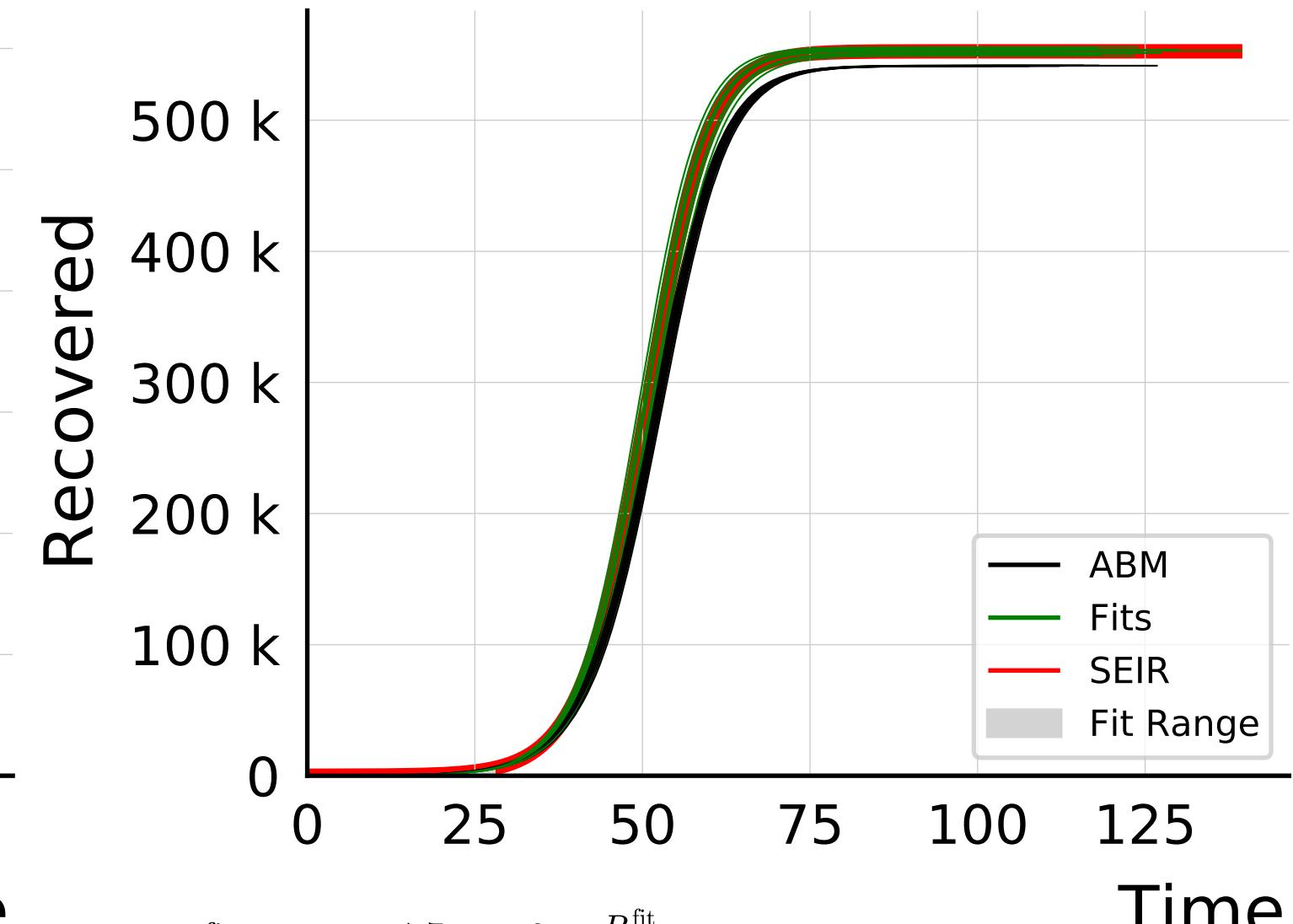
Time

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



$$I_{\max}^{\text{fit}} = 116_{-3}^{+2} \cdot 10^3$$

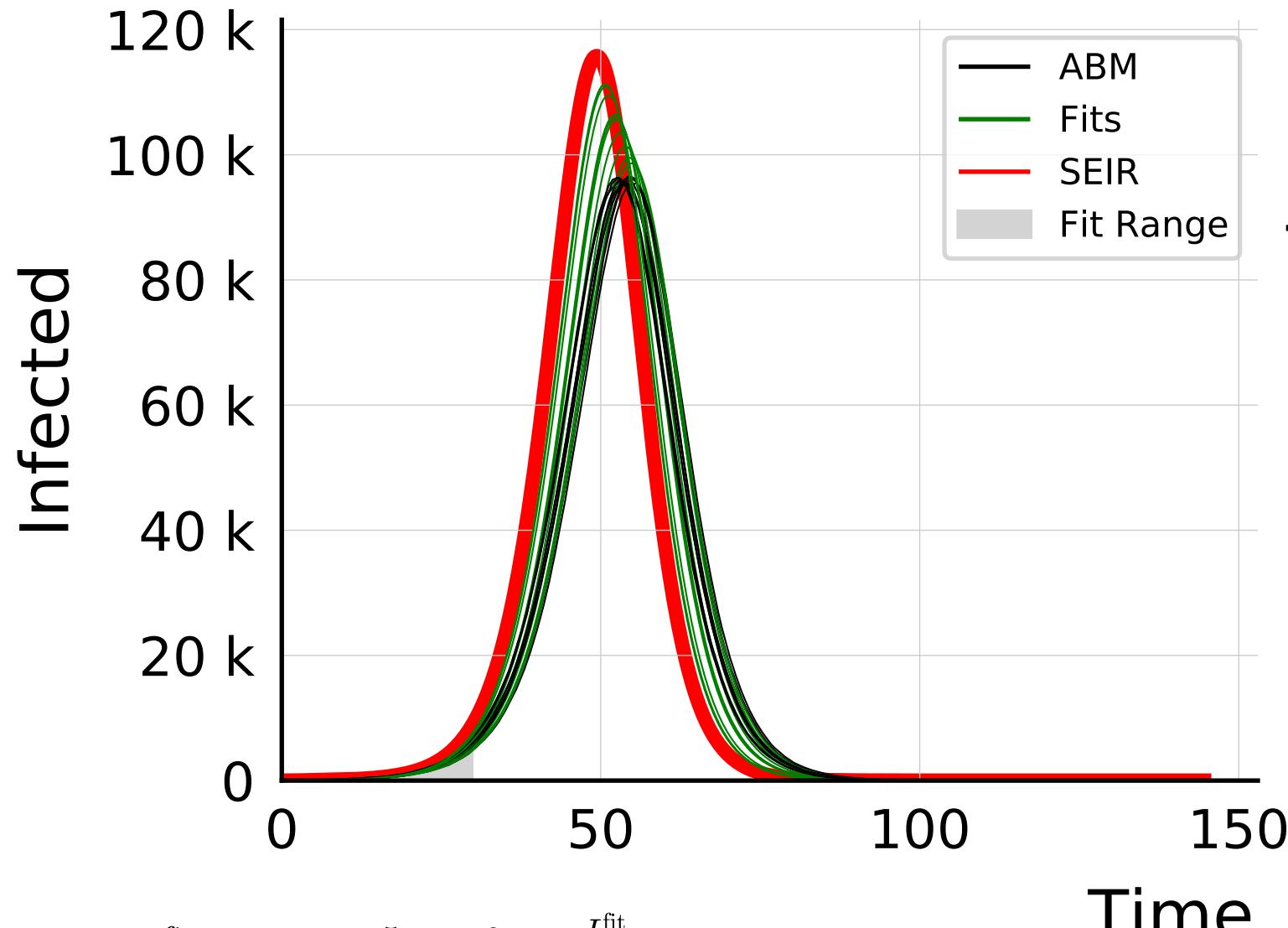
$$\frac{I_{\max}^{\text{fit}}}{I_{\max}^{\text{ABM}}} = 1.103 \pm 0.0071$$



$$R_{\infty}^{\text{fit}} = 553_{-2}^{+1.7} \cdot 10^3$$

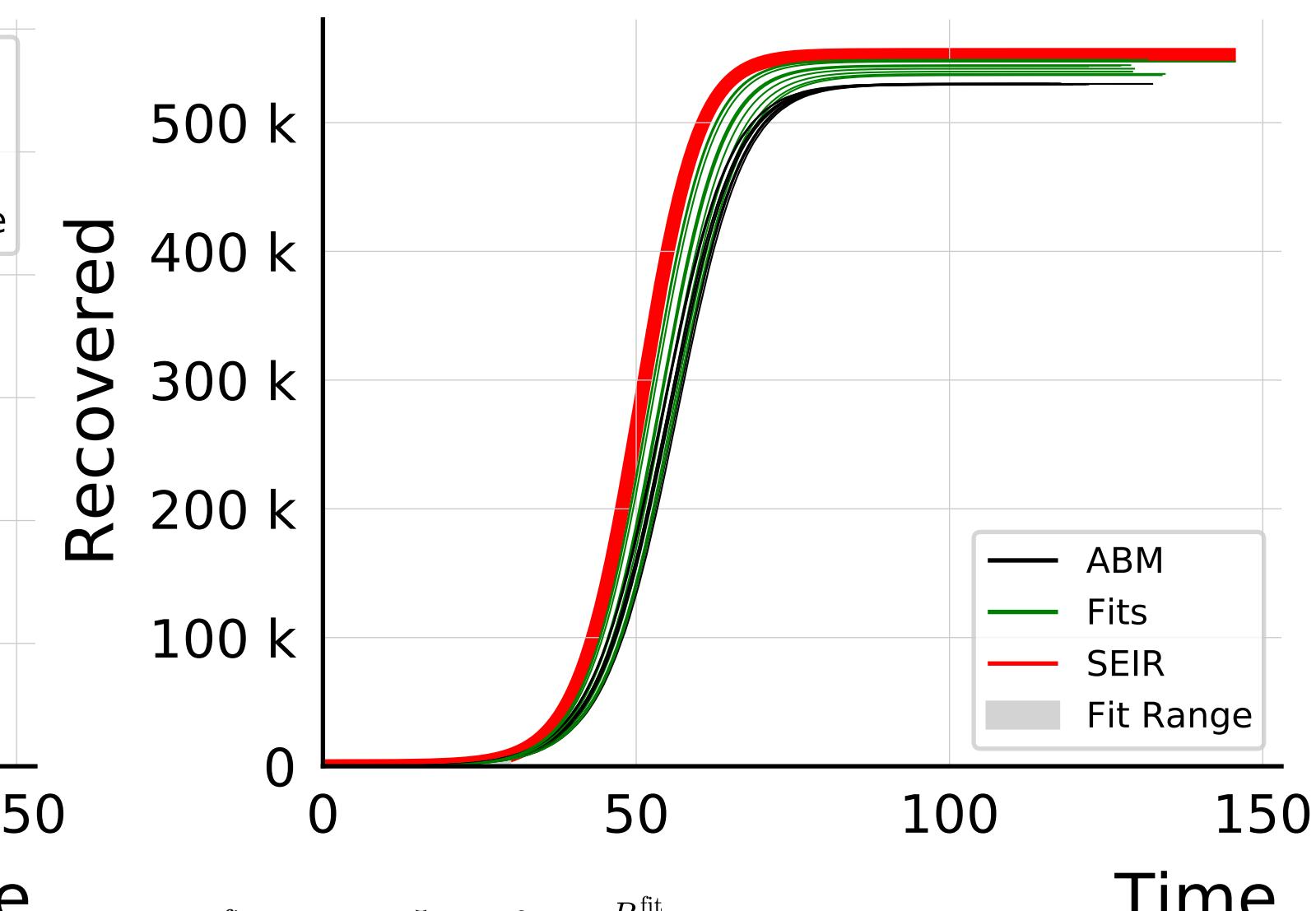
$$\frac{R_{\infty}^{\text{fit}}}{R_{\text{inf}}^{\text{fit}}} = 1.021 \pm 0.0011$$

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



$$I_{\max}^{\text{fit}} = 106_{-6}^{+5} \cdot 10^3$$

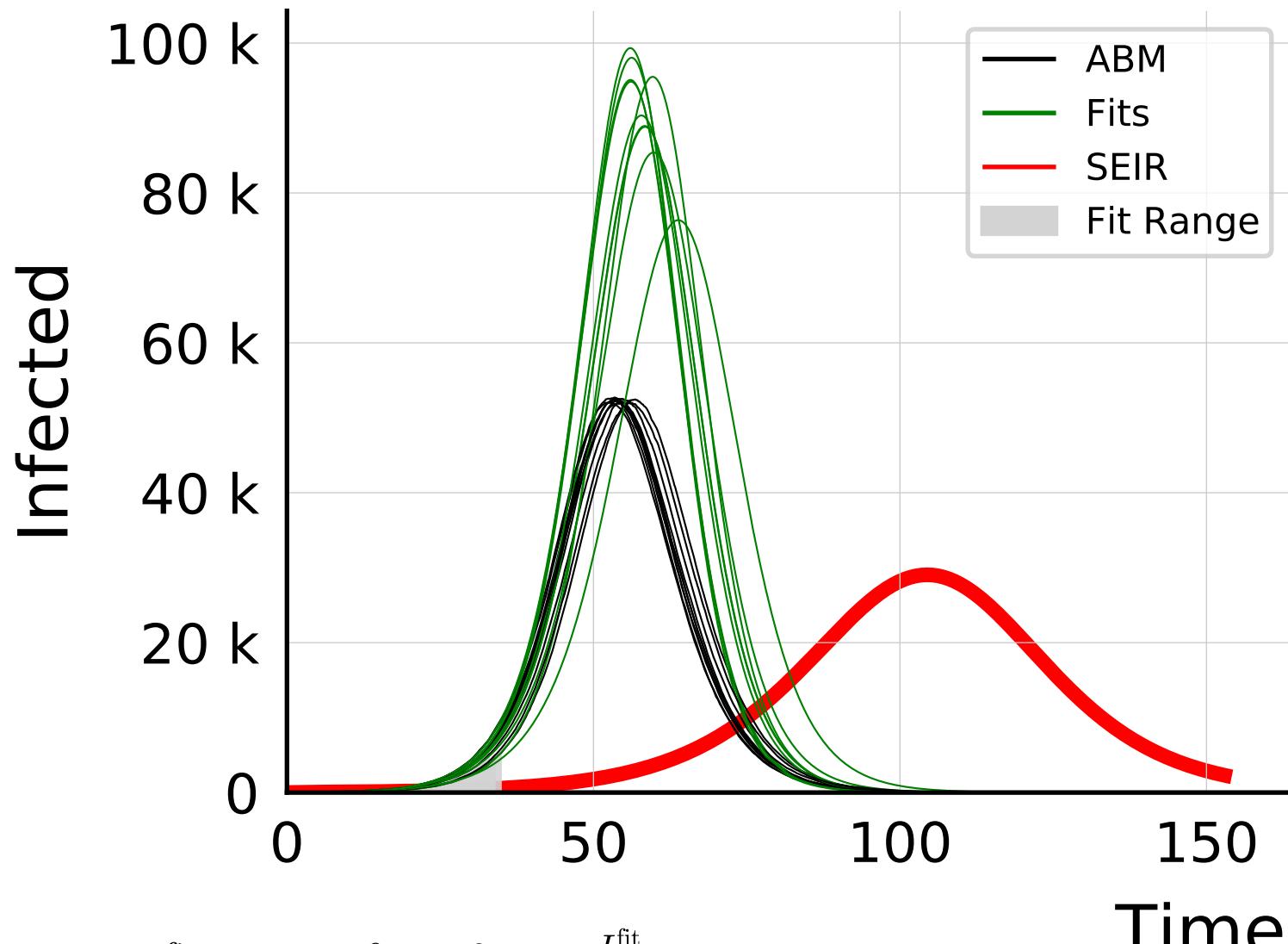
$$\frac{I_{\max}^{\text{fit}}}{I_{\max}^{\text{ABM}}} = 1.1 \pm 0.014$$



$$R_{\infty}^{\text{fit}} = 544_{-6}^{+5} \cdot 10^3$$

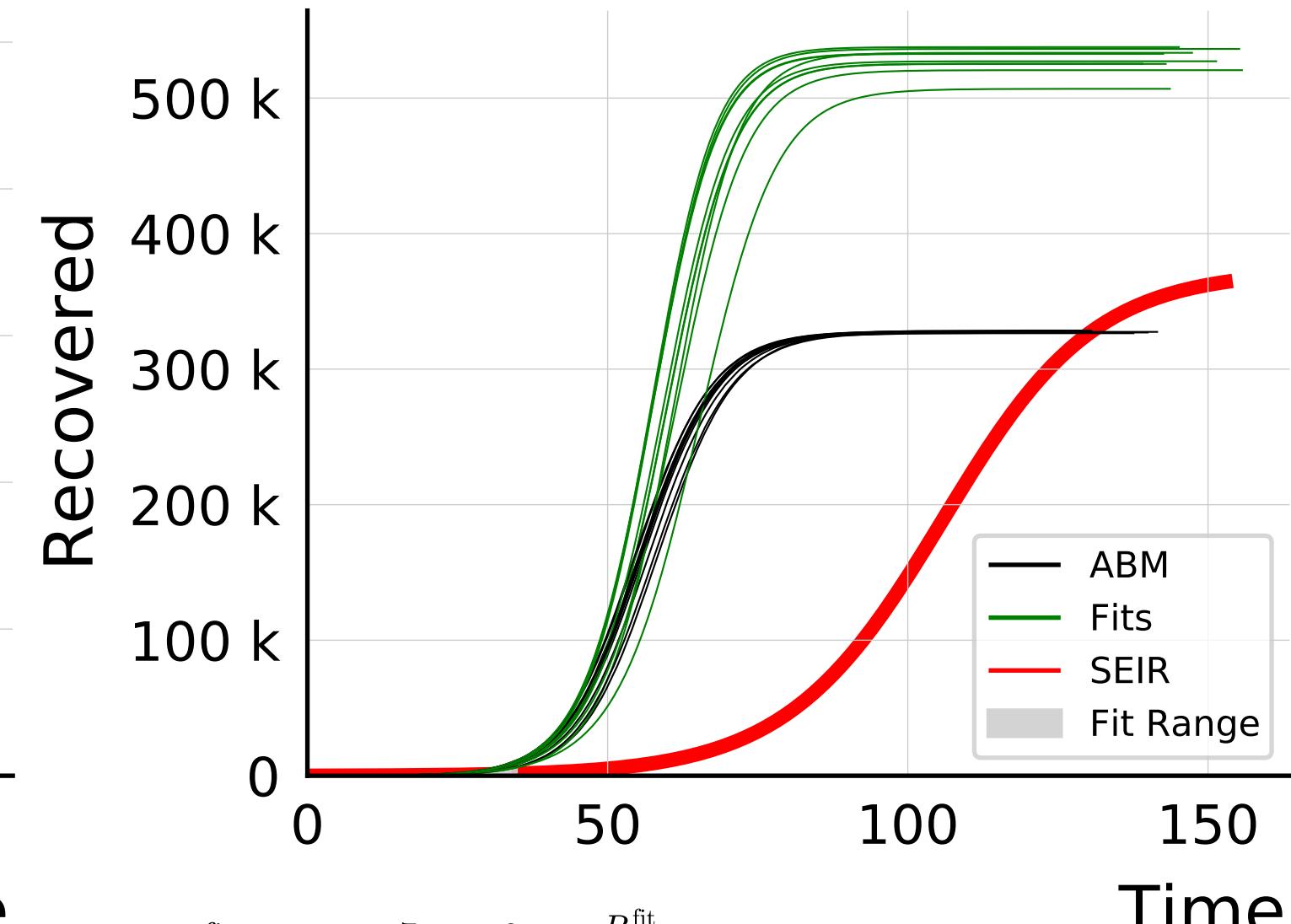
$$\frac{R_{\text{inf}}^{\text{fit}}}{R_{\text{inf}}^{\text{fit}}} = 1.025 \pm 0.0025$$

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



$$I_{\max}^{\text{fit}} = 92_{-6}^{+6} \cdot 10^3$$

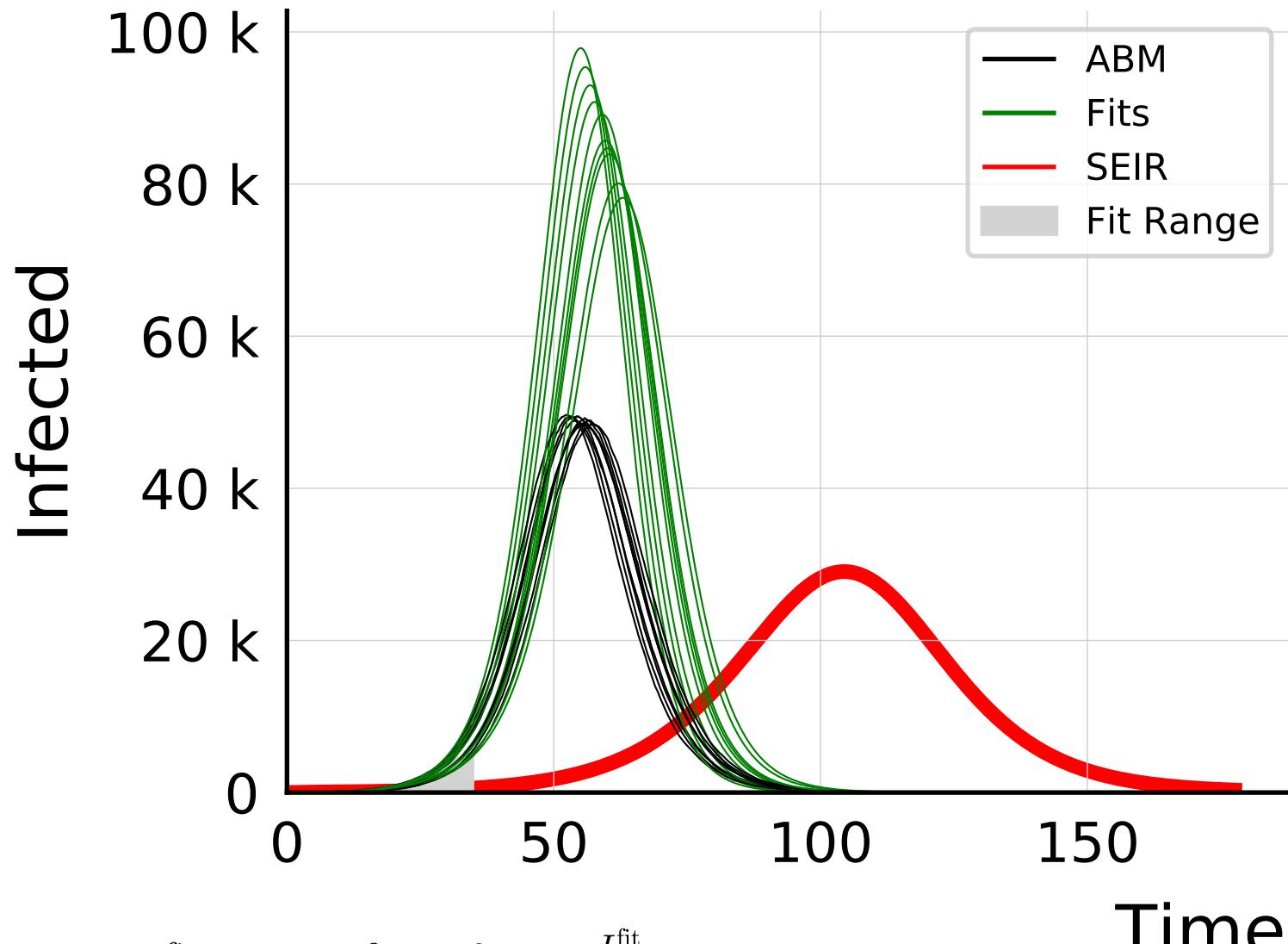
$$\frac{I_{\max}^{\text{fit}}}{I_{\max}^{\text{ABM}}} = 1.74 \pm 0.038$$



$$R_{\infty}^{\text{fit}} = 529_{-8}^{+7} \cdot 10^3$$

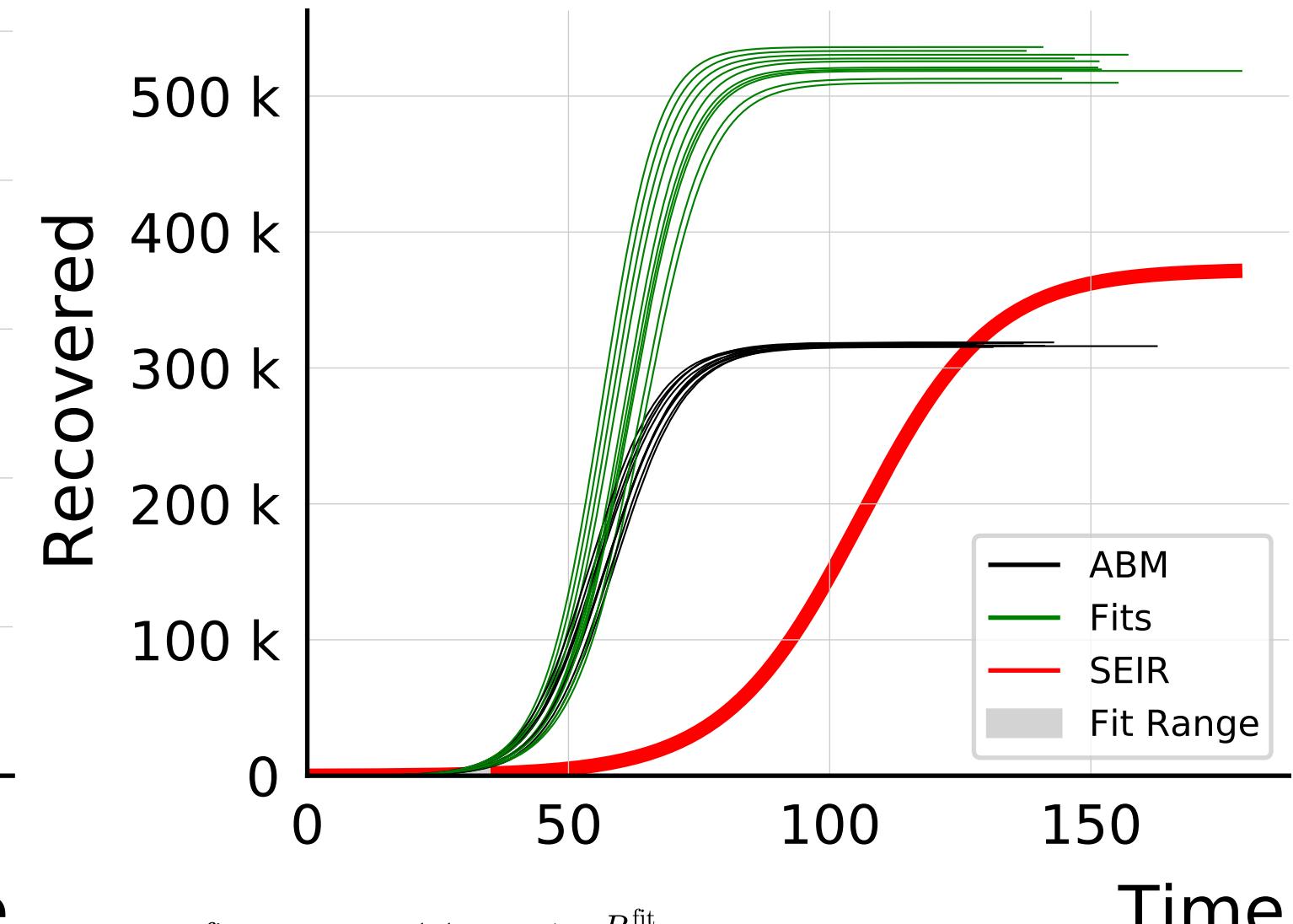
$$\frac{R_{\infty}^{\text{fit}}}{R_{\text{inf}}^{\text{fit}}} = 1.611 \pm 0.0081$$

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



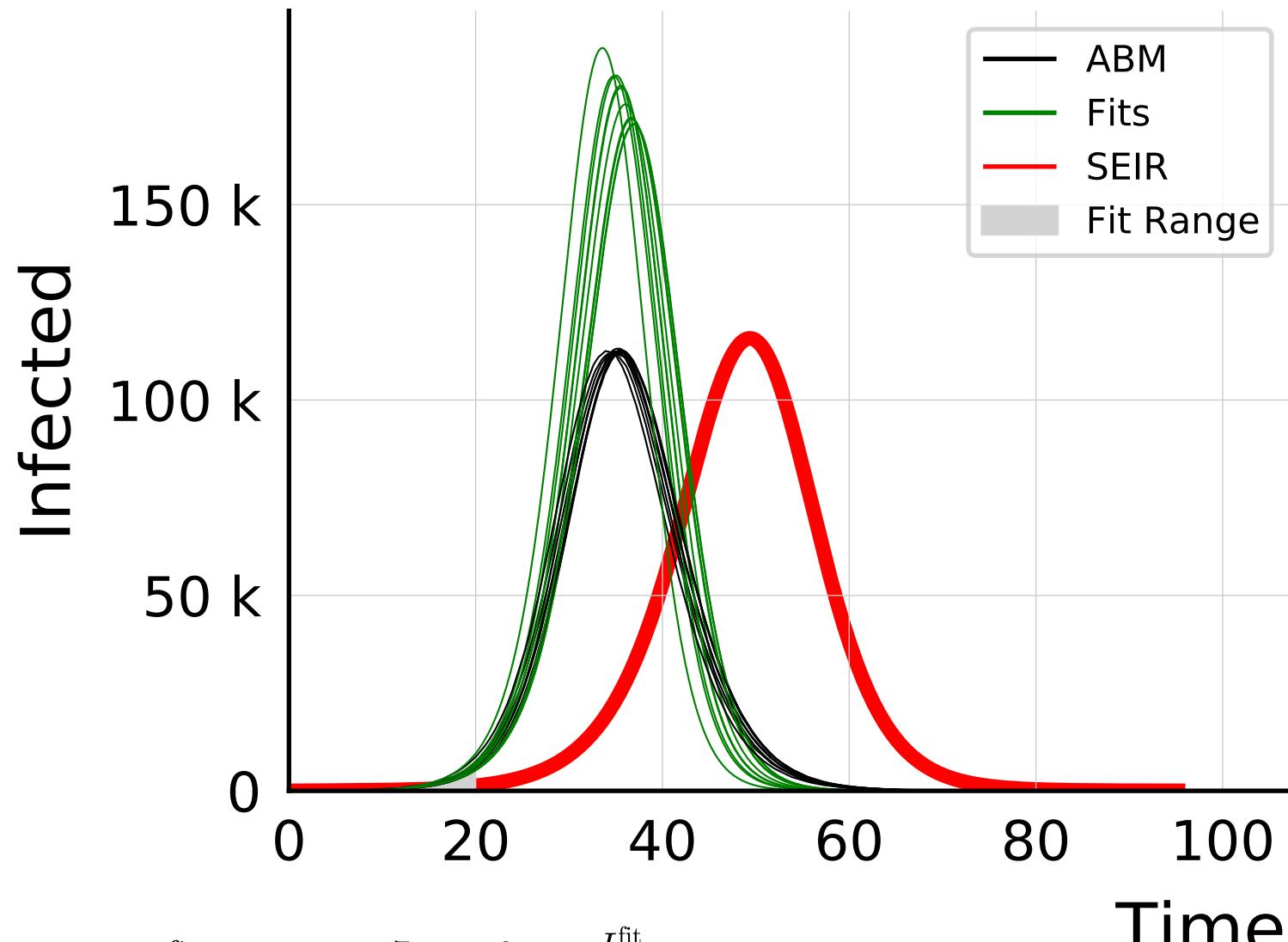
$$I_{\max}^{\text{fit}} = 87_{-6}^{+9} \cdot 10^3$$

$$\frac{I_{\max}^{\text{fit}}}{I_{\max}^{\text{ABM}}} = 1.79 \pm 0.035$$

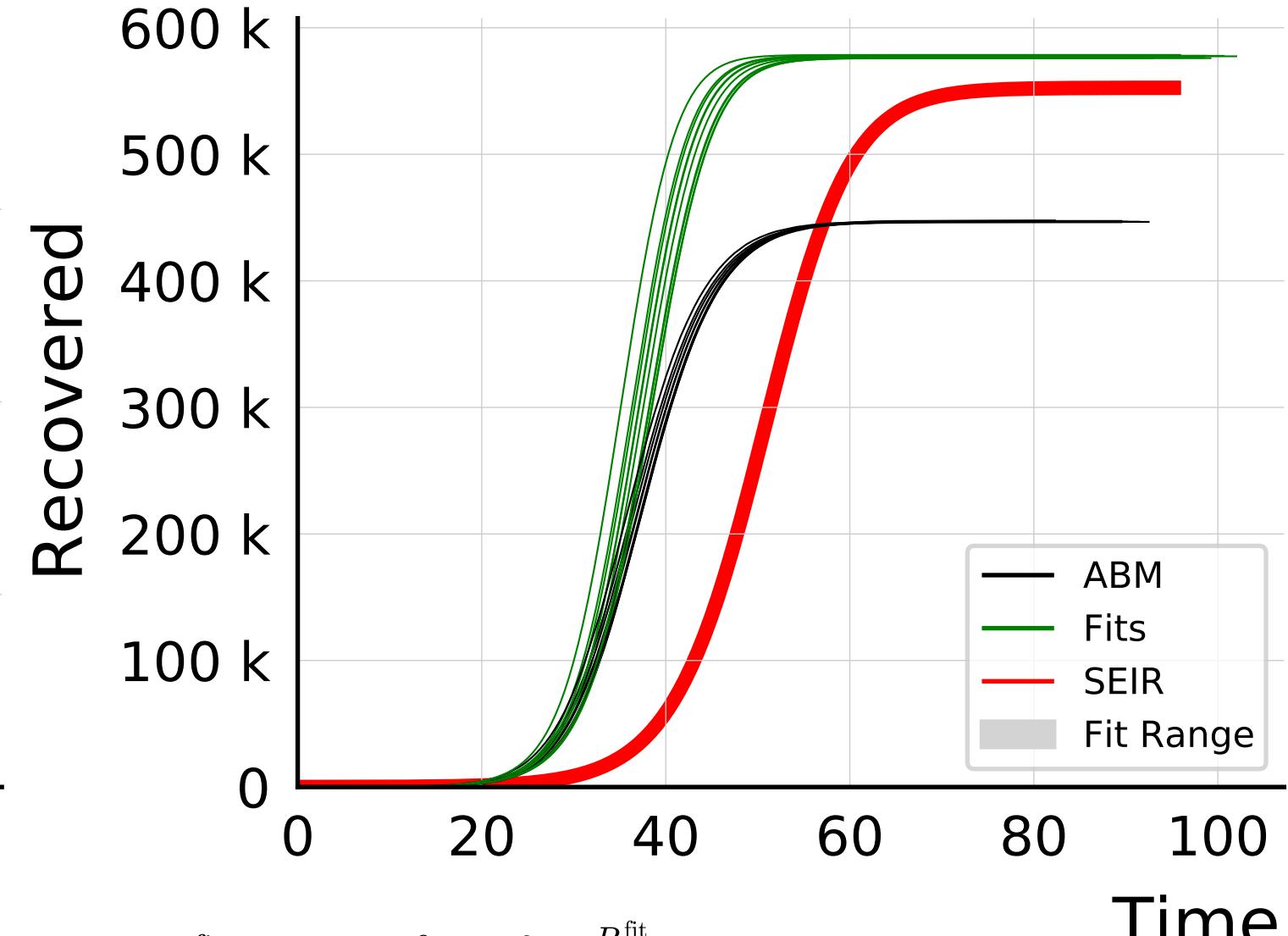


$$R_{\infty}^{\text{fit}} = 52.2_{-0.9}^{+1.1} \cdot 10^4 \quad \frac{R_{\infty}^{\text{fit}}}{R_{\text{inf}}^{\text{fit}}} = 1.652 \pm 0.0072$$

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

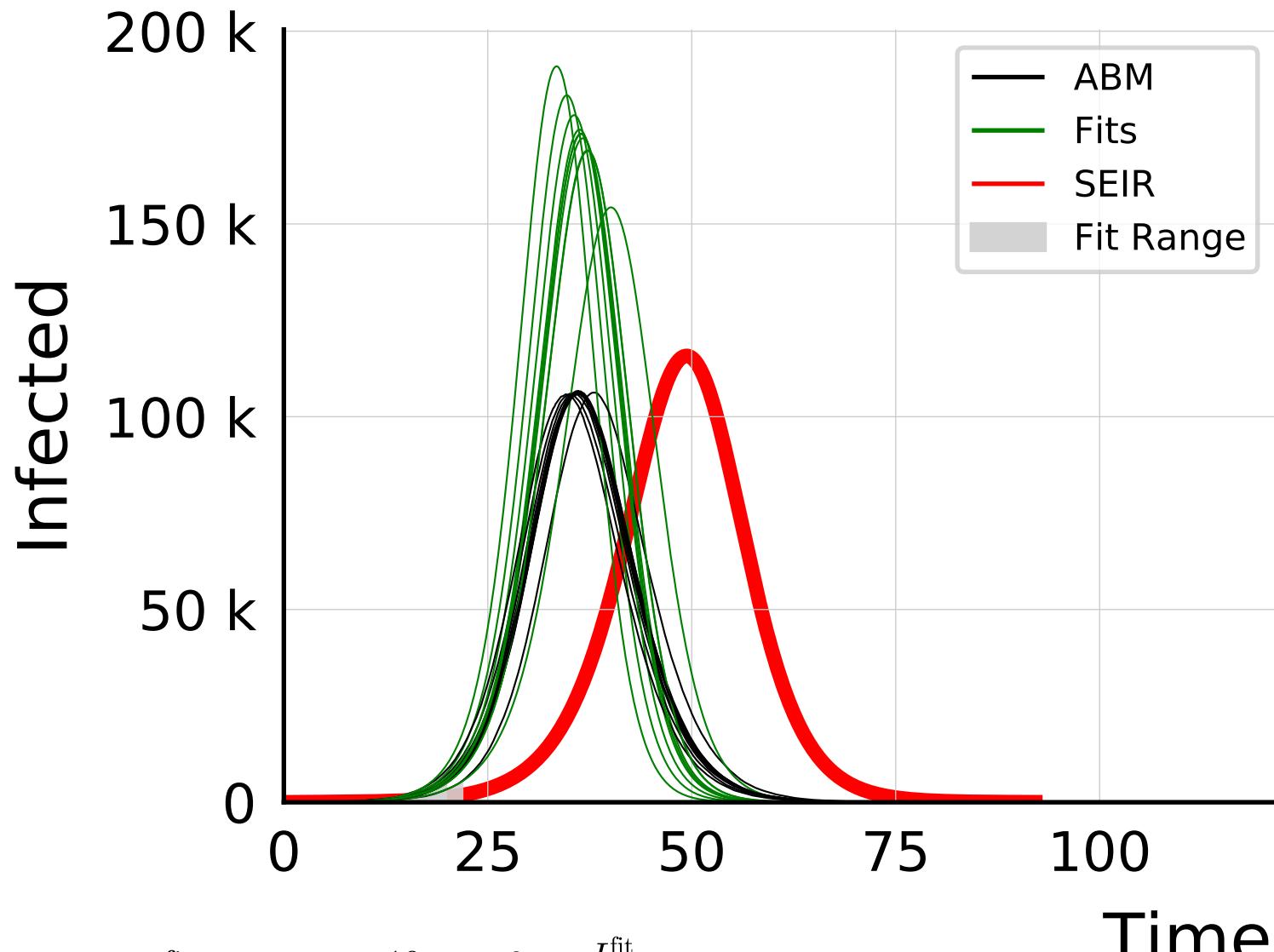


$$I_{\max}^{\text{fit}} = 176_{-5}^{+7} \cdot 10^3 \quad \frac{I_{\max}^{\text{fit}}}{I_{\max}^{\text{ABM}}} = 1.58 \pm 0.018$$

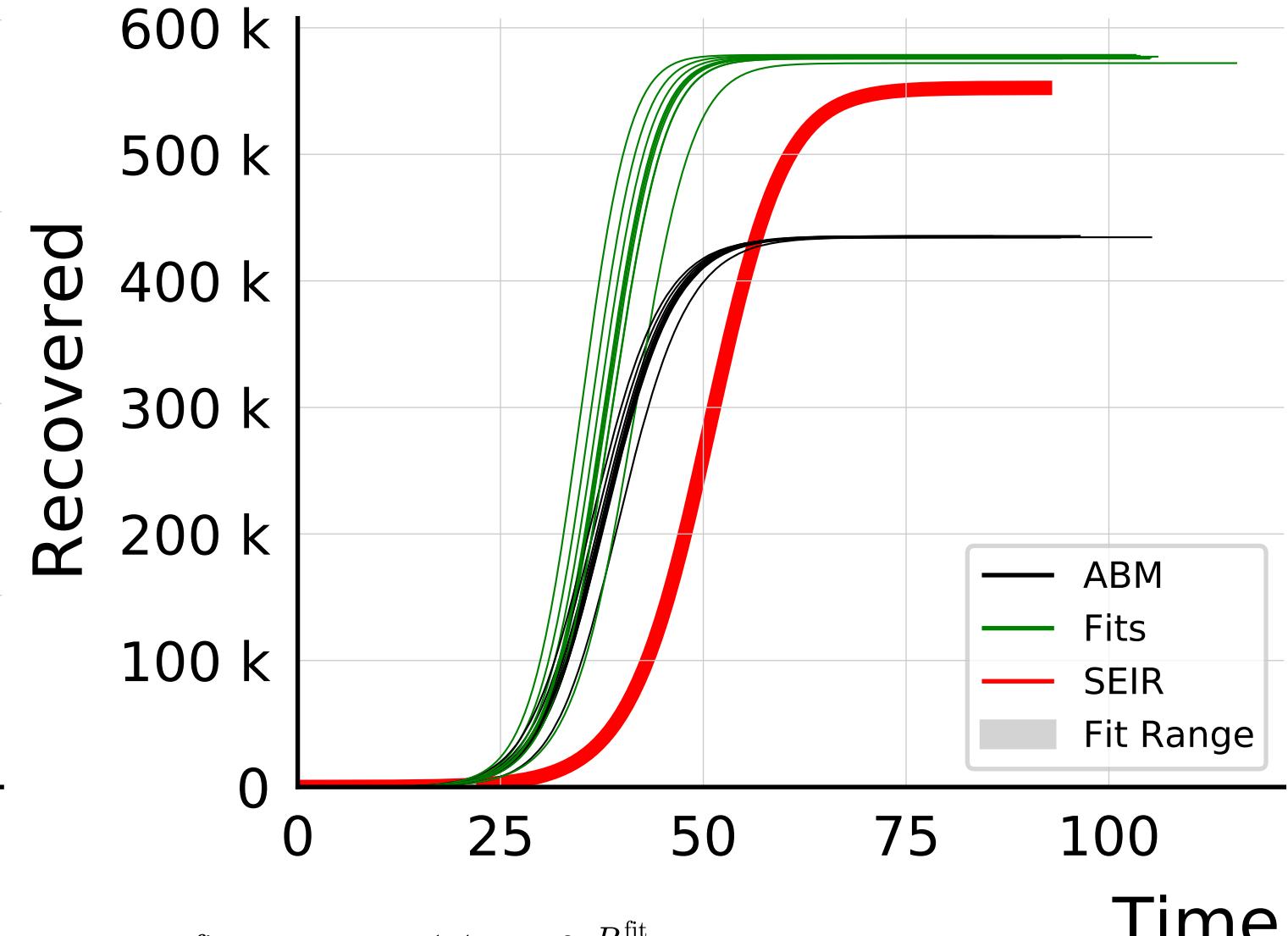


$$R_{\infty}^{\text{fit}} = 5769_{-9}^{+9} \cdot 10^2 \quad \frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{inf}}} = 1.291 \pm 0.00080$$

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

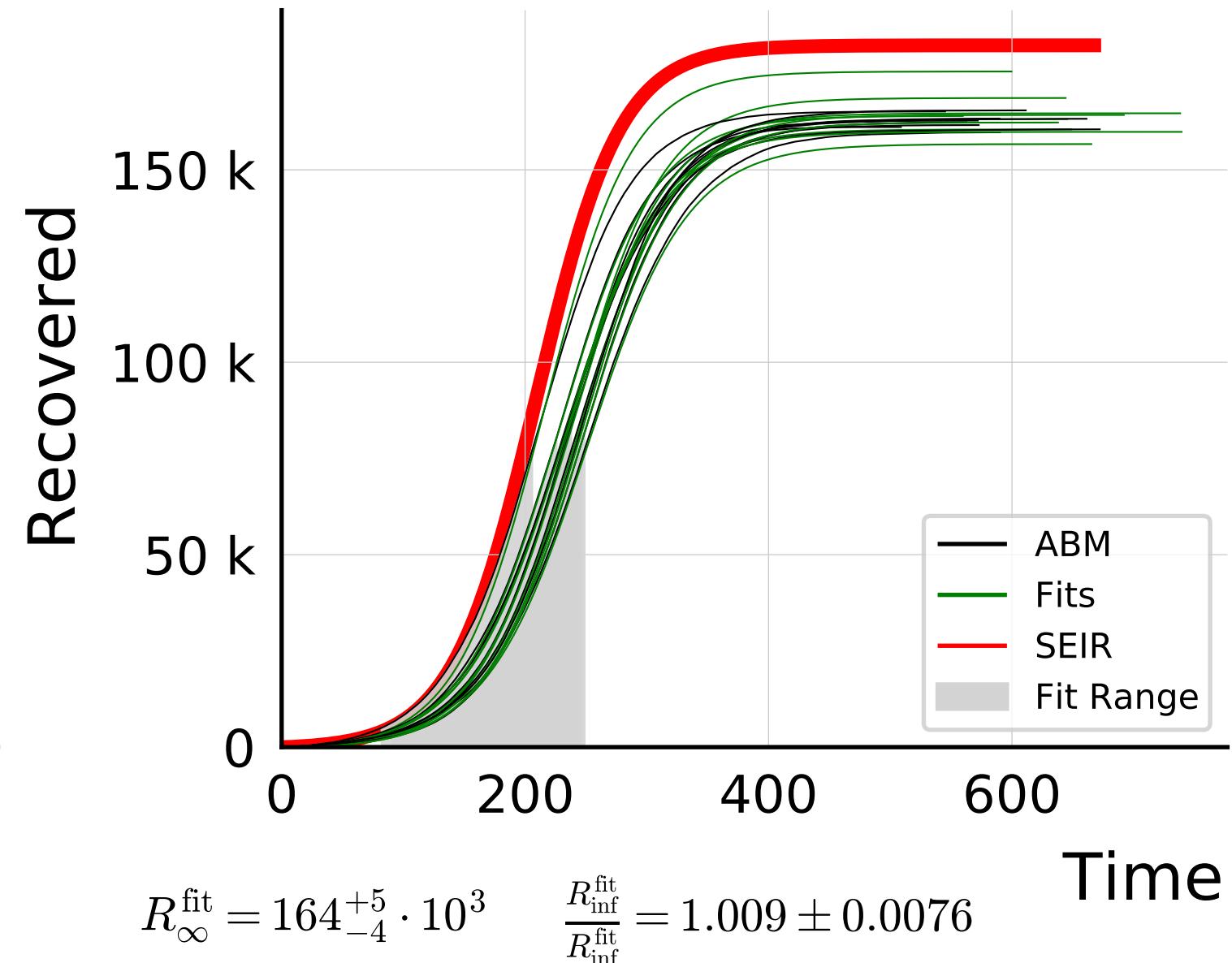
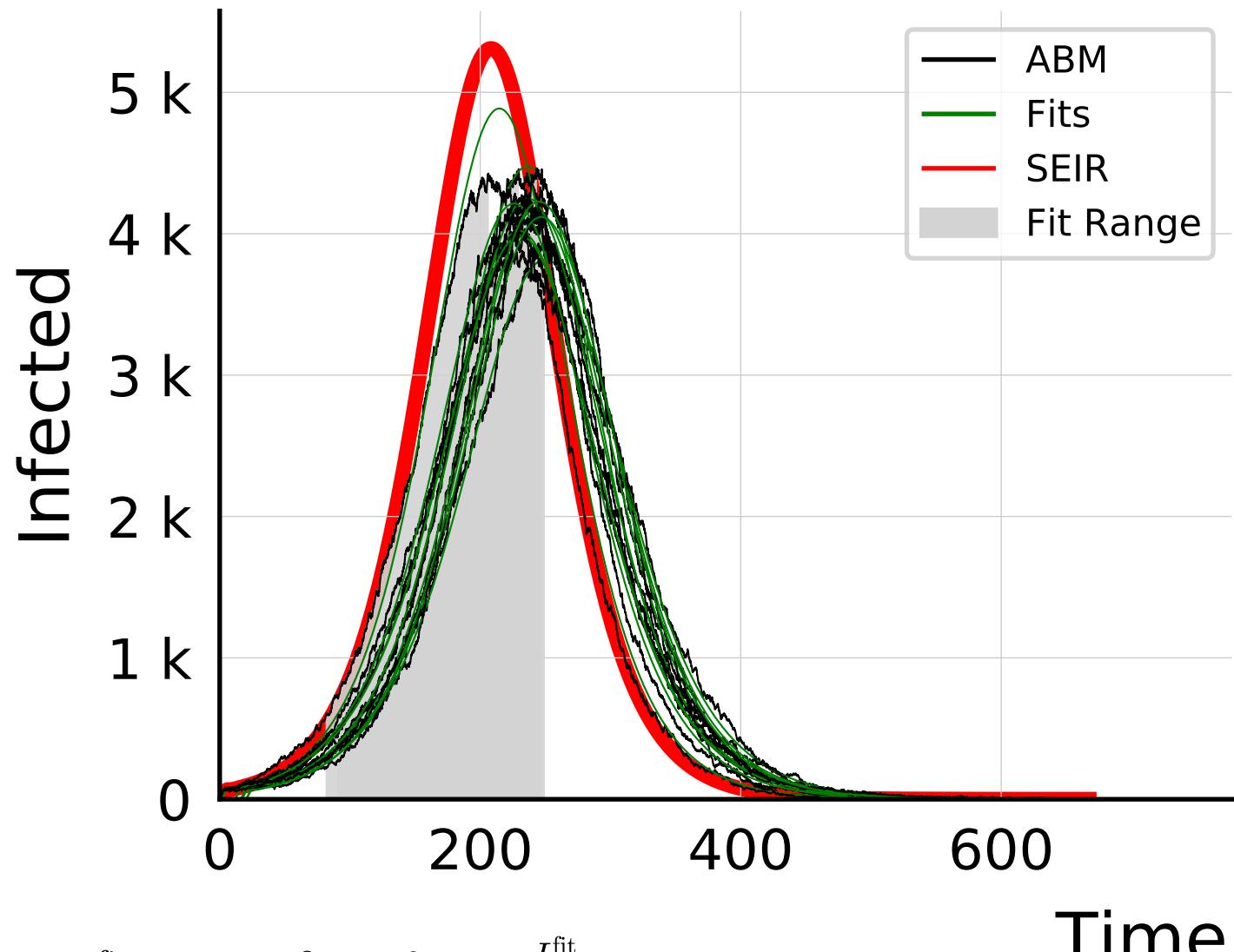


$$I_{\max}^{\text{fit}} = 173_{-5}^{+10} \cdot 10^3 \quad \frac{I_{\max}^{\text{fit}}}{I_{\max}^{\text{ABM}}} = 1.64 \pm 0.028$$

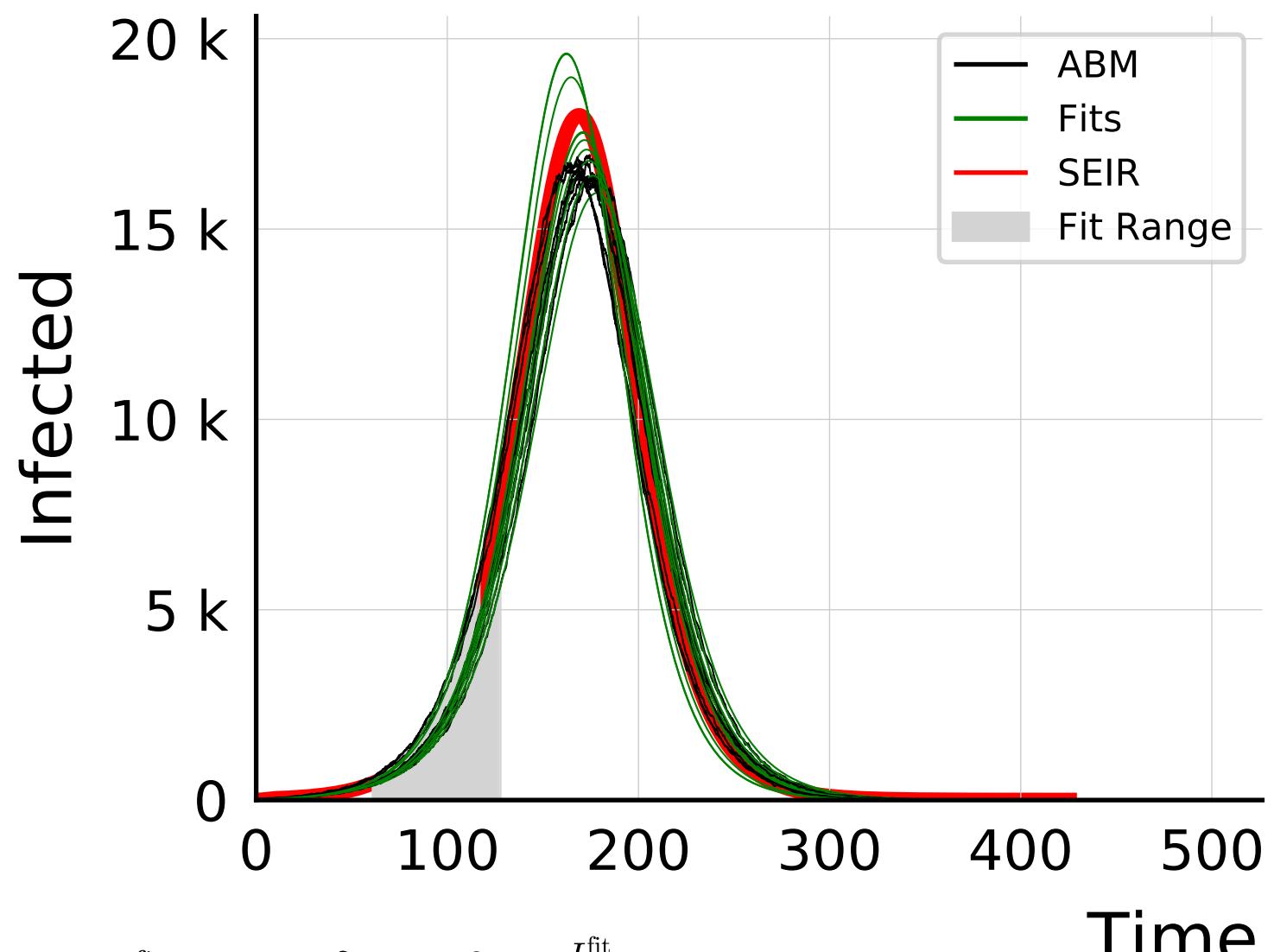


$$R_{\infty}^{\text{fit}} = 576.5_{-0.8}^{+1.4} \cdot 10^3 \quad \frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{inf}}} = 1.325 \pm 0.0012$$

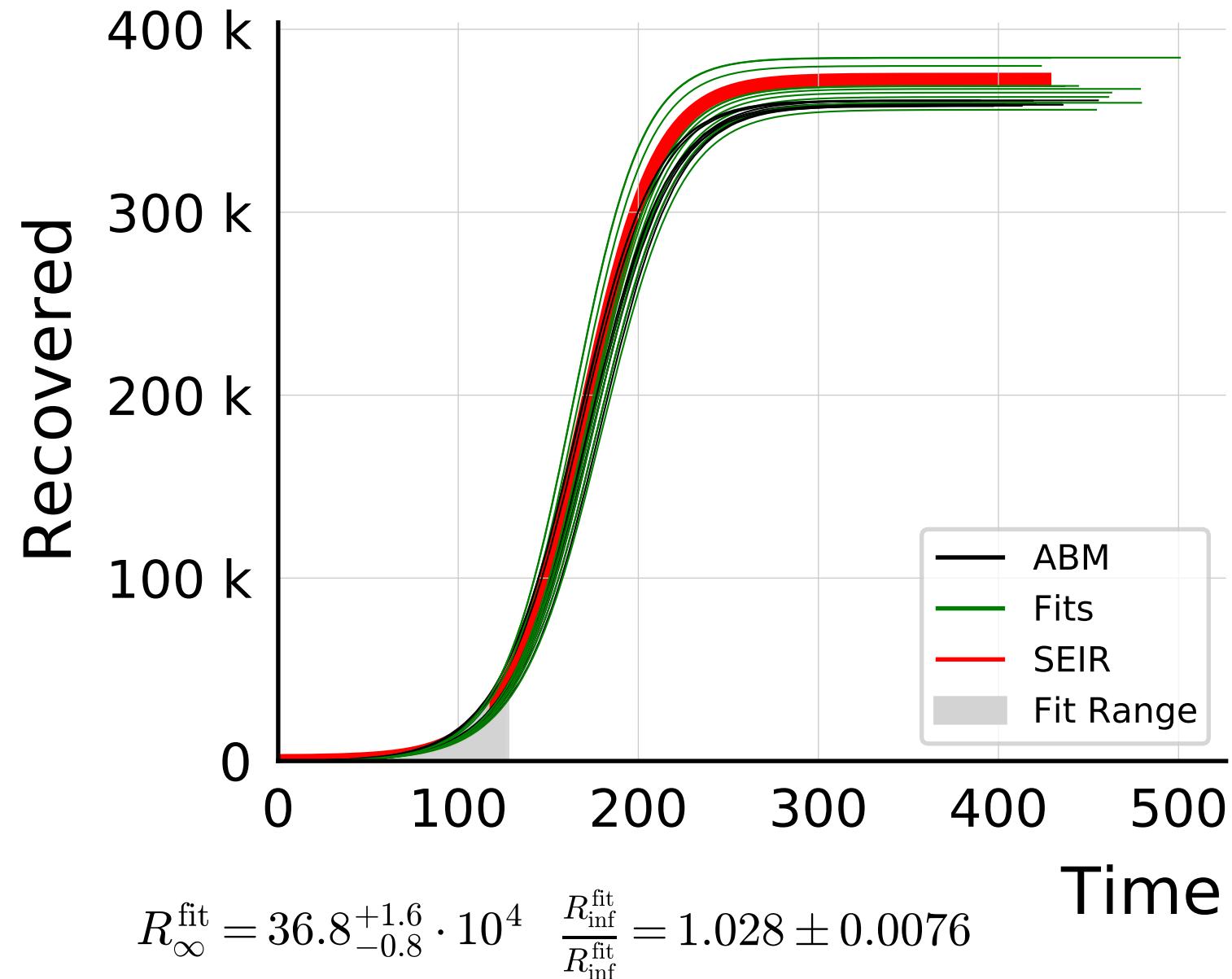
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 30.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, #10



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

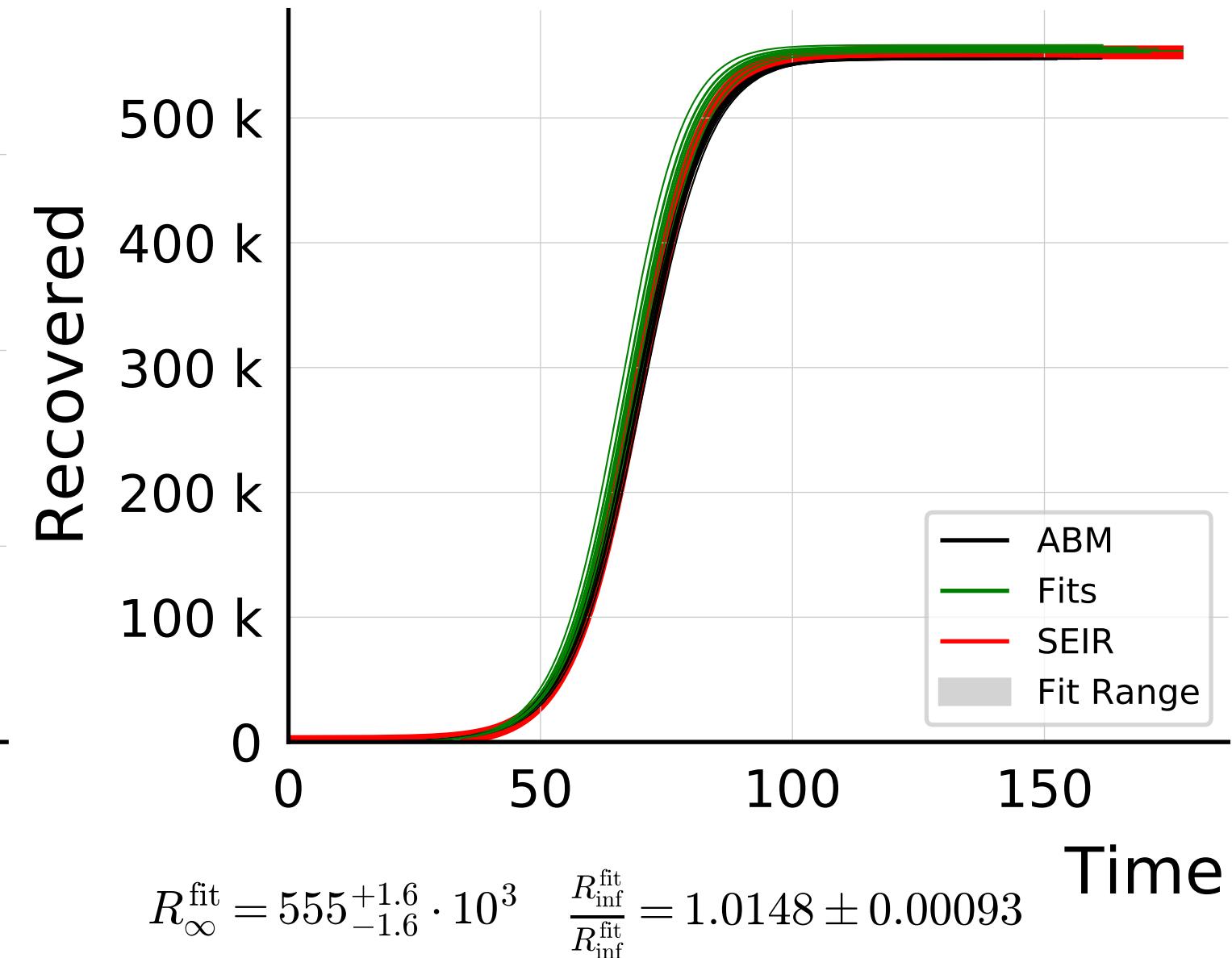
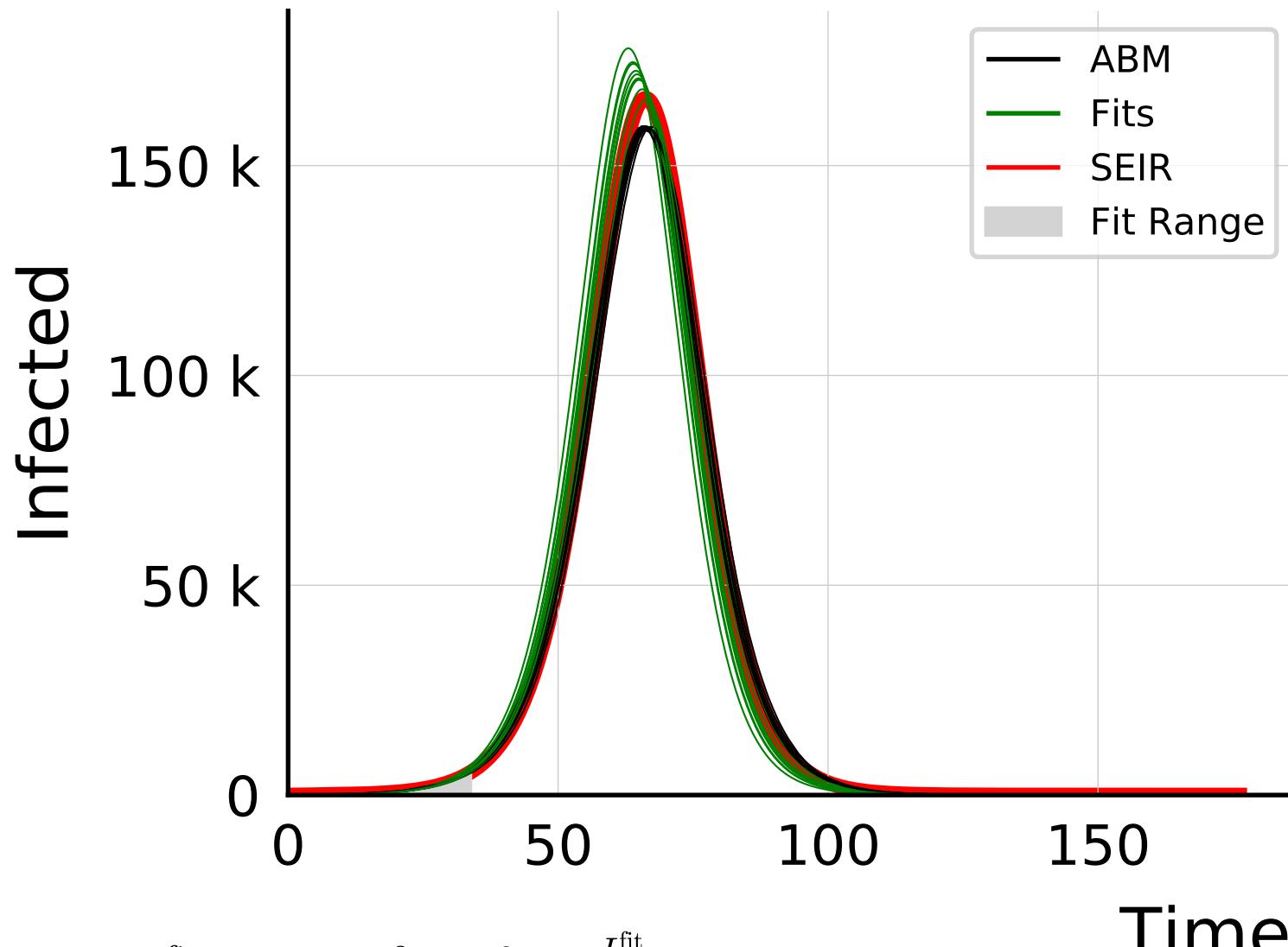


$$\frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1.06 \pm 0.022$$

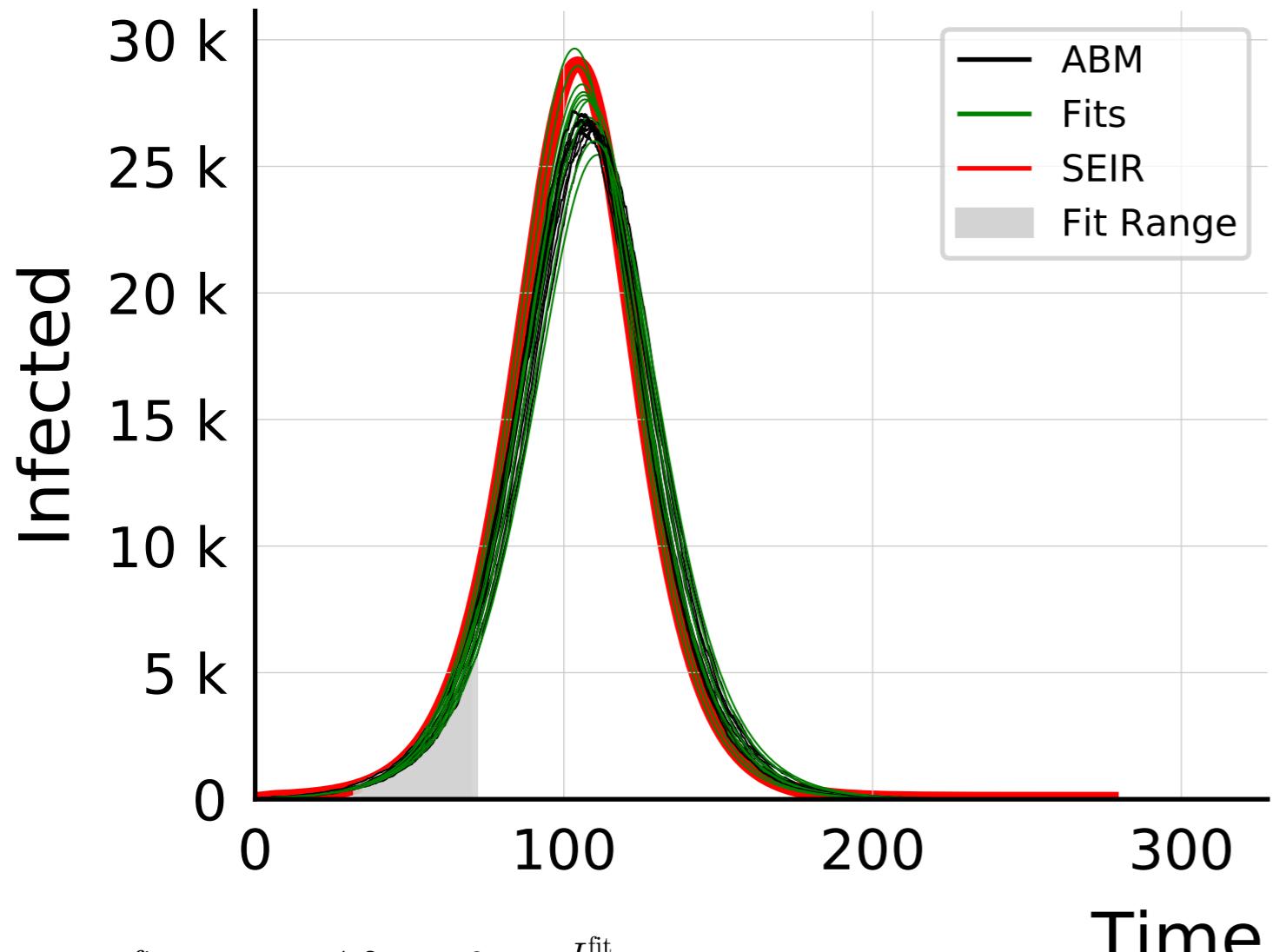


$$\frac{R_{\text{inf}}^{\text{fit}}}{R_{\text{inf}}^{\text{ABM}}} = 1.028 \pm 0.0076$$

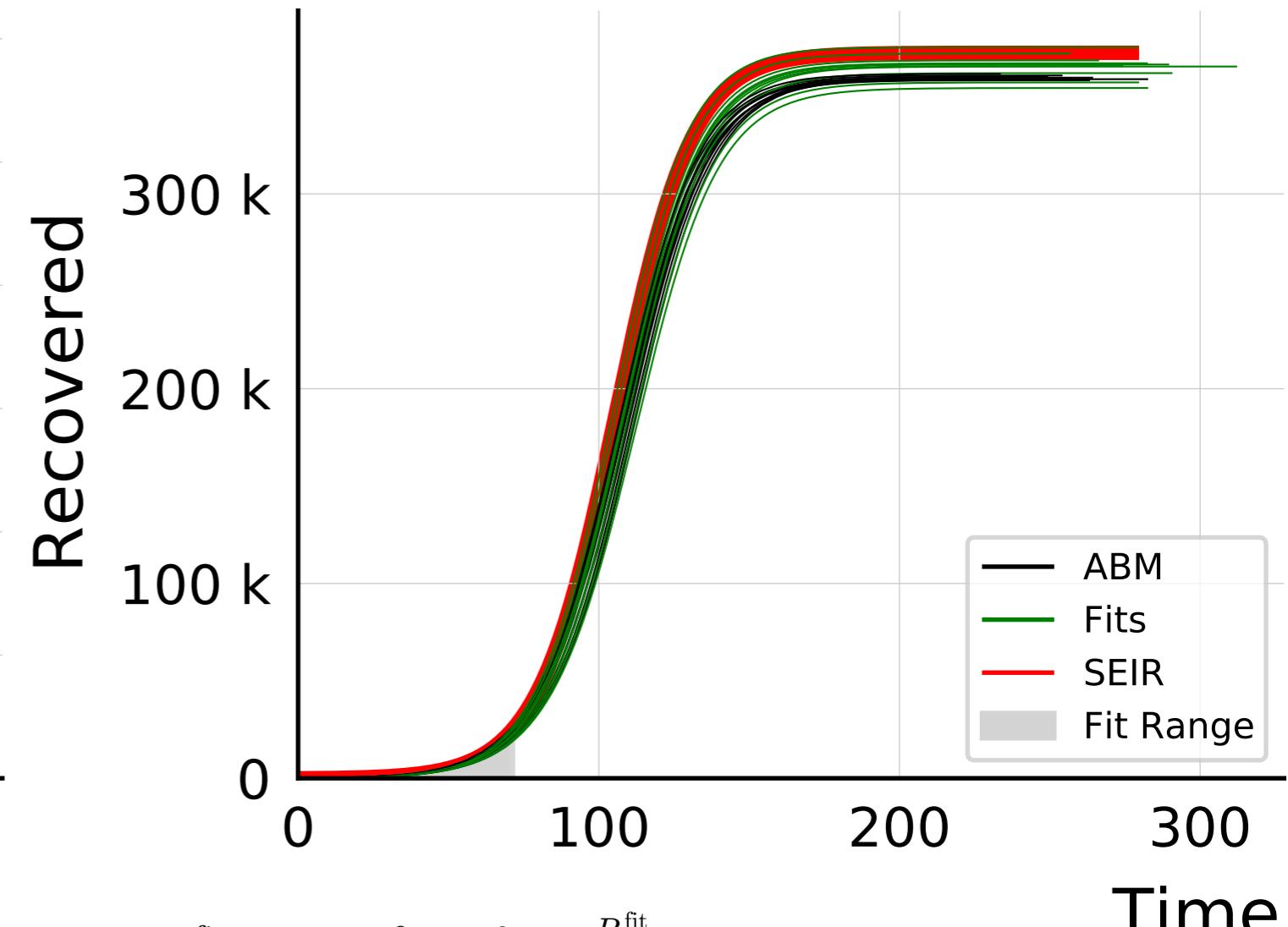
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 0.5$, algo = 2, #10



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

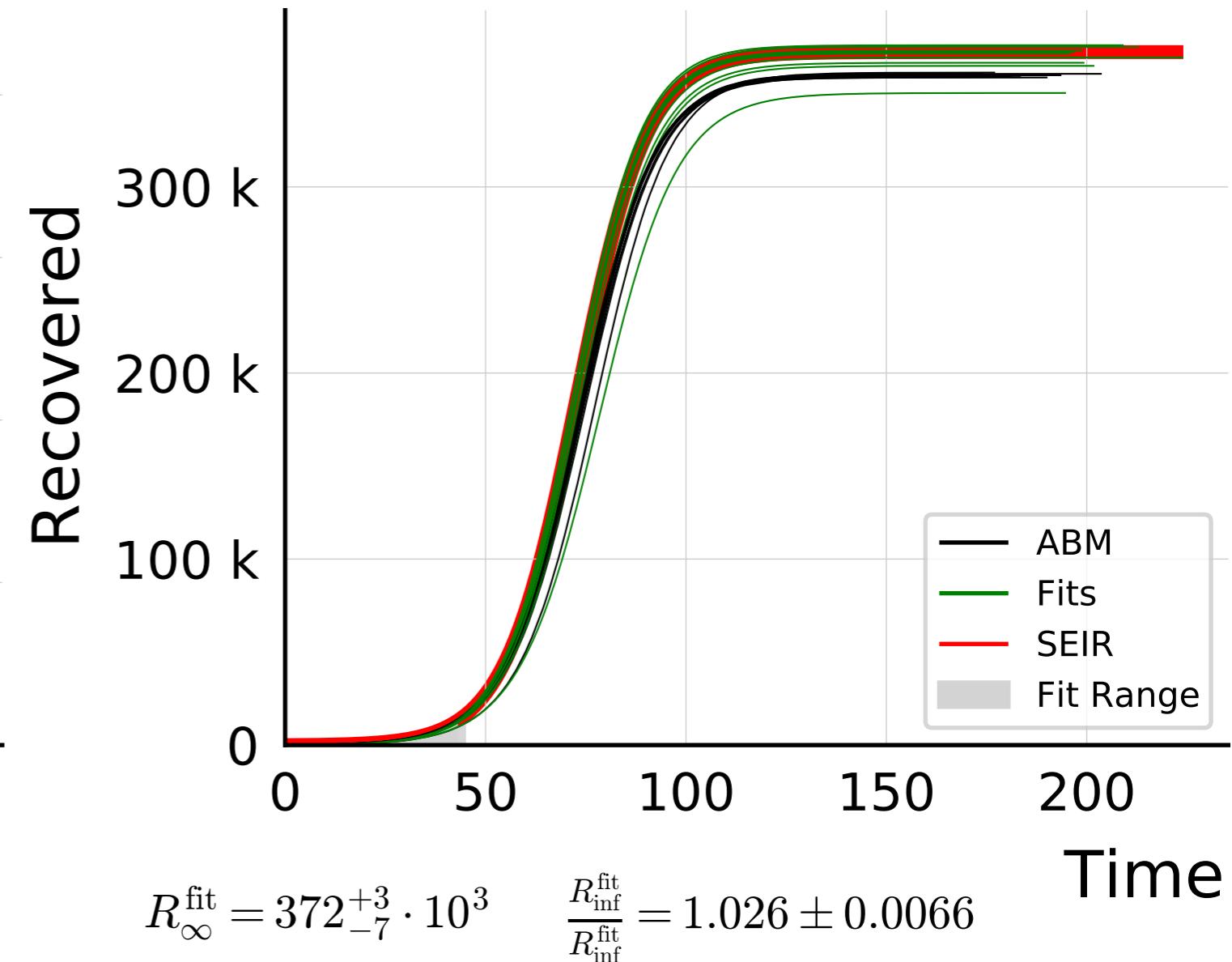
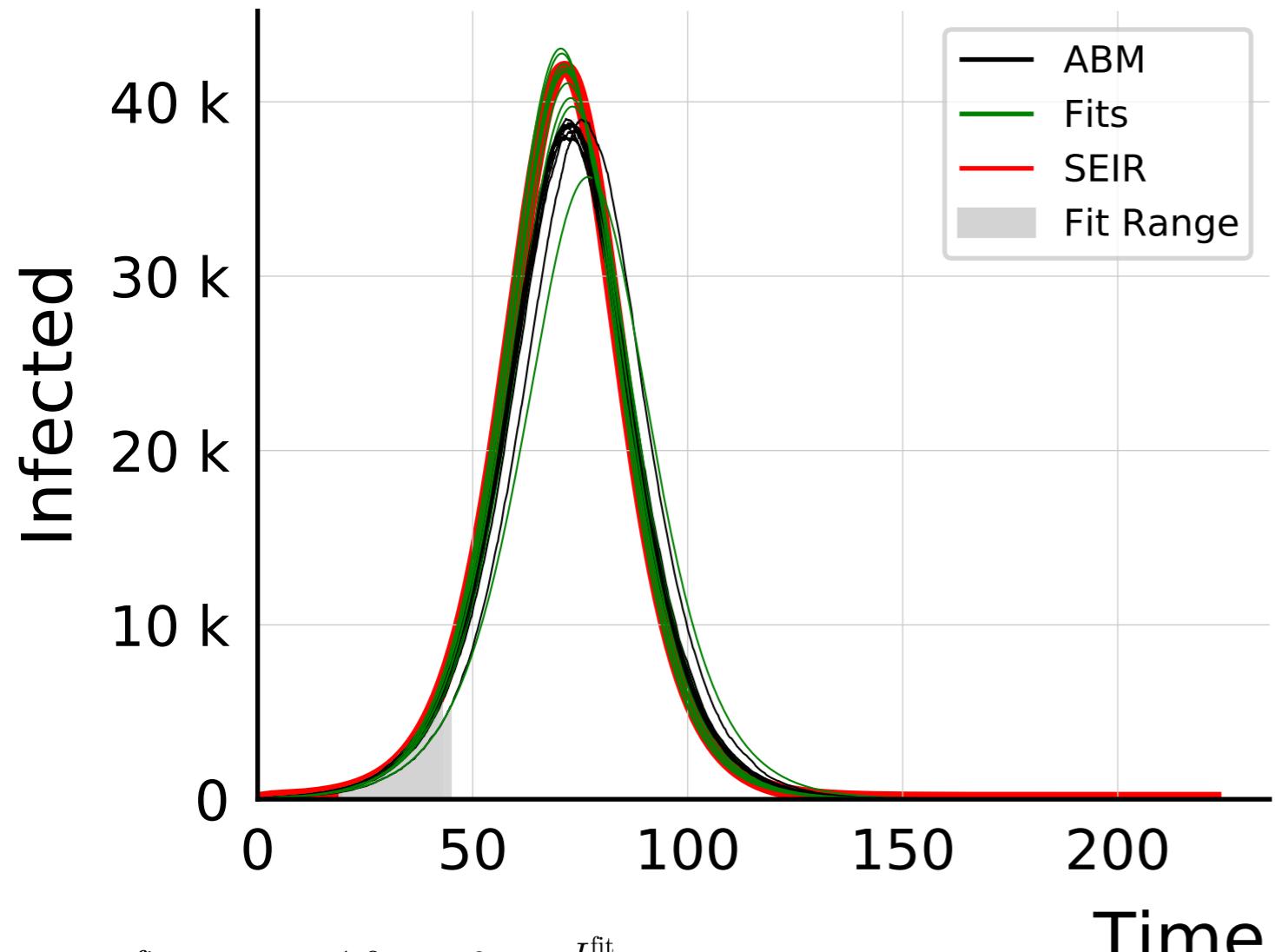


$$I_{\max}^{\text{fit}} = 28_{-1.8}^{+1.2} \cdot 10^3 \quad \frac{I_{\max}^{\text{fit}}}{I_{\max}^{\text{ABM}}} = 1.03 \pm 0.014$$

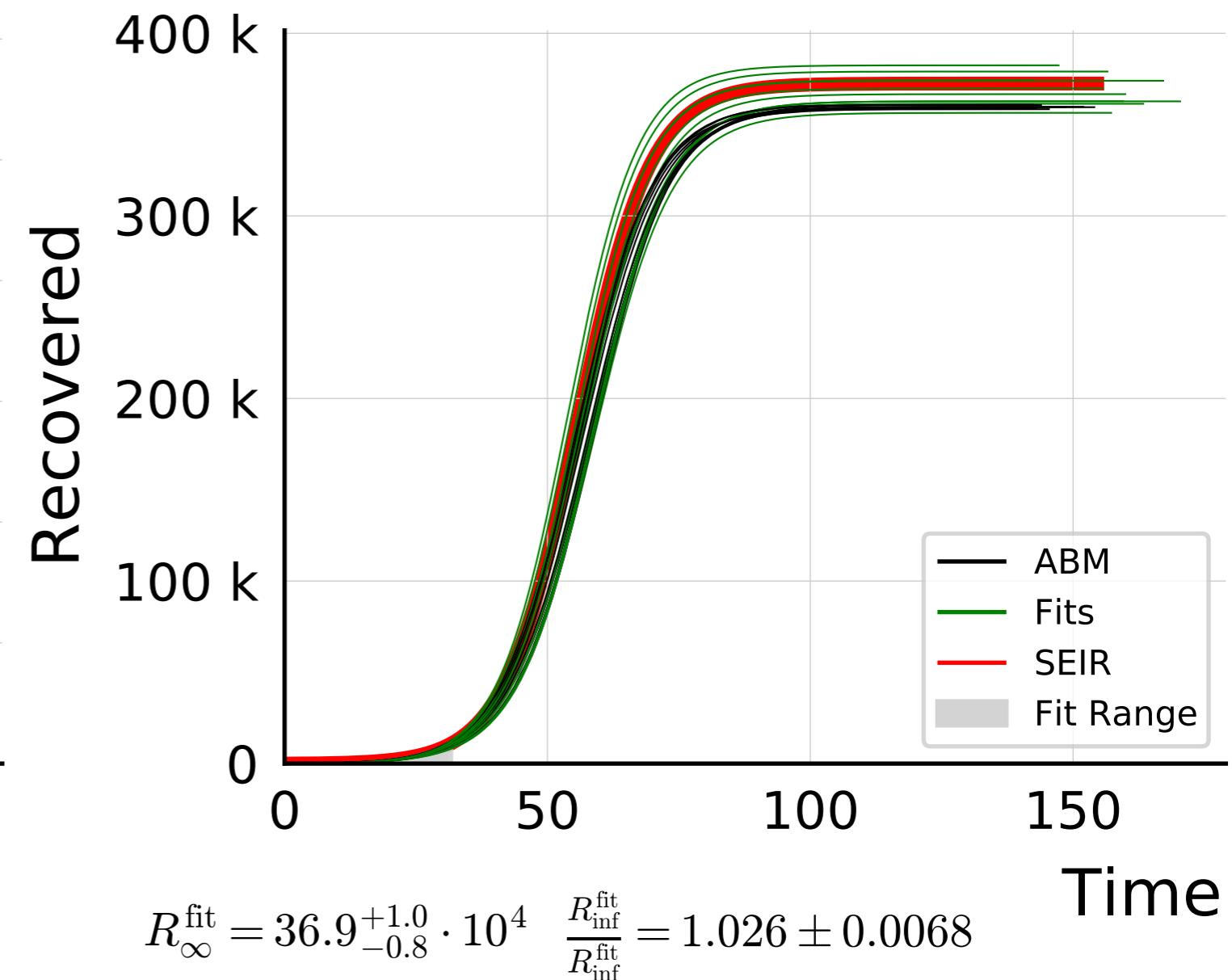
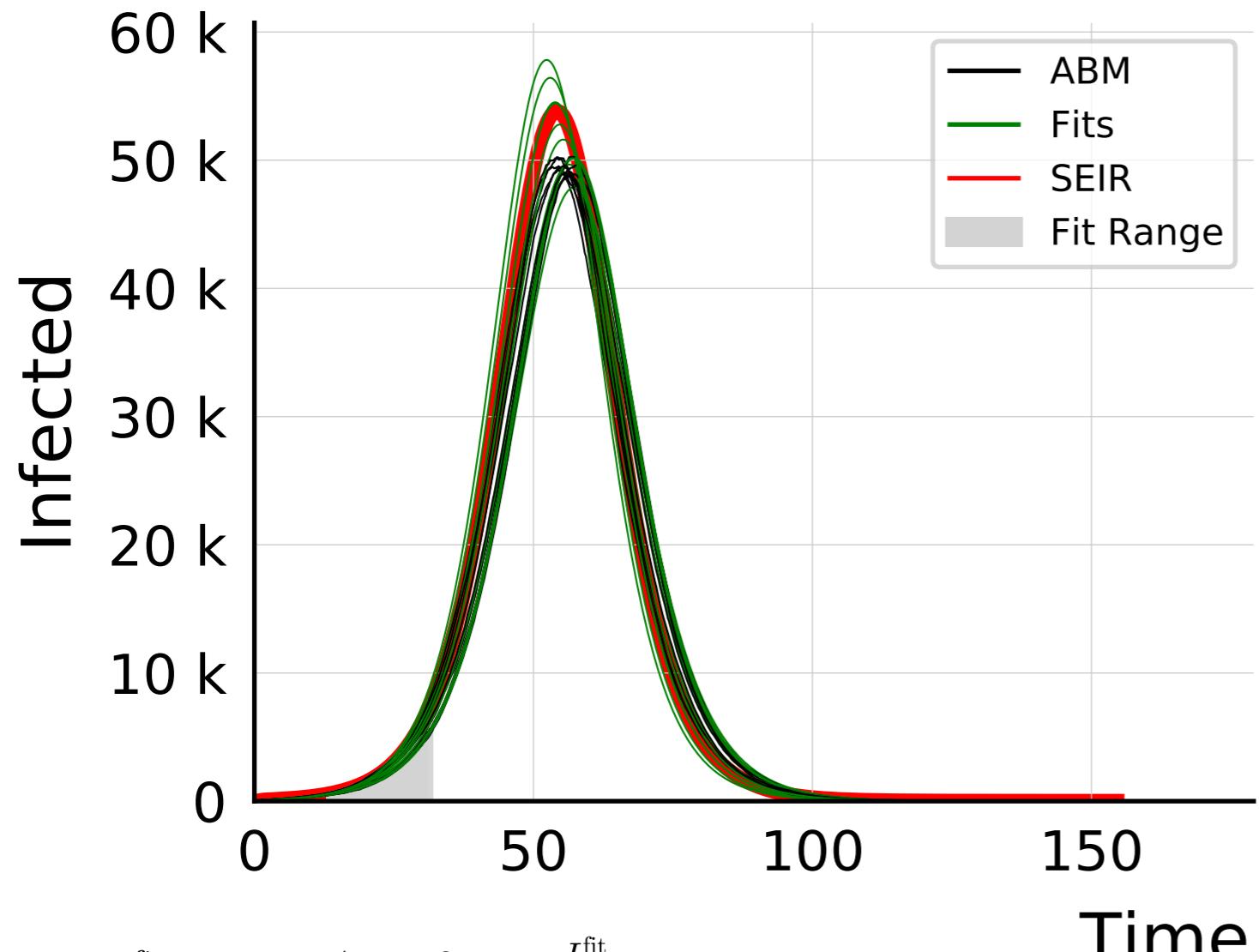


$$R_{\infty}^{\text{fit}} = 366_{-9}^{+6} \cdot 10^3 \quad \frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{inf}}} = 1.016 \pm 0.0048$$

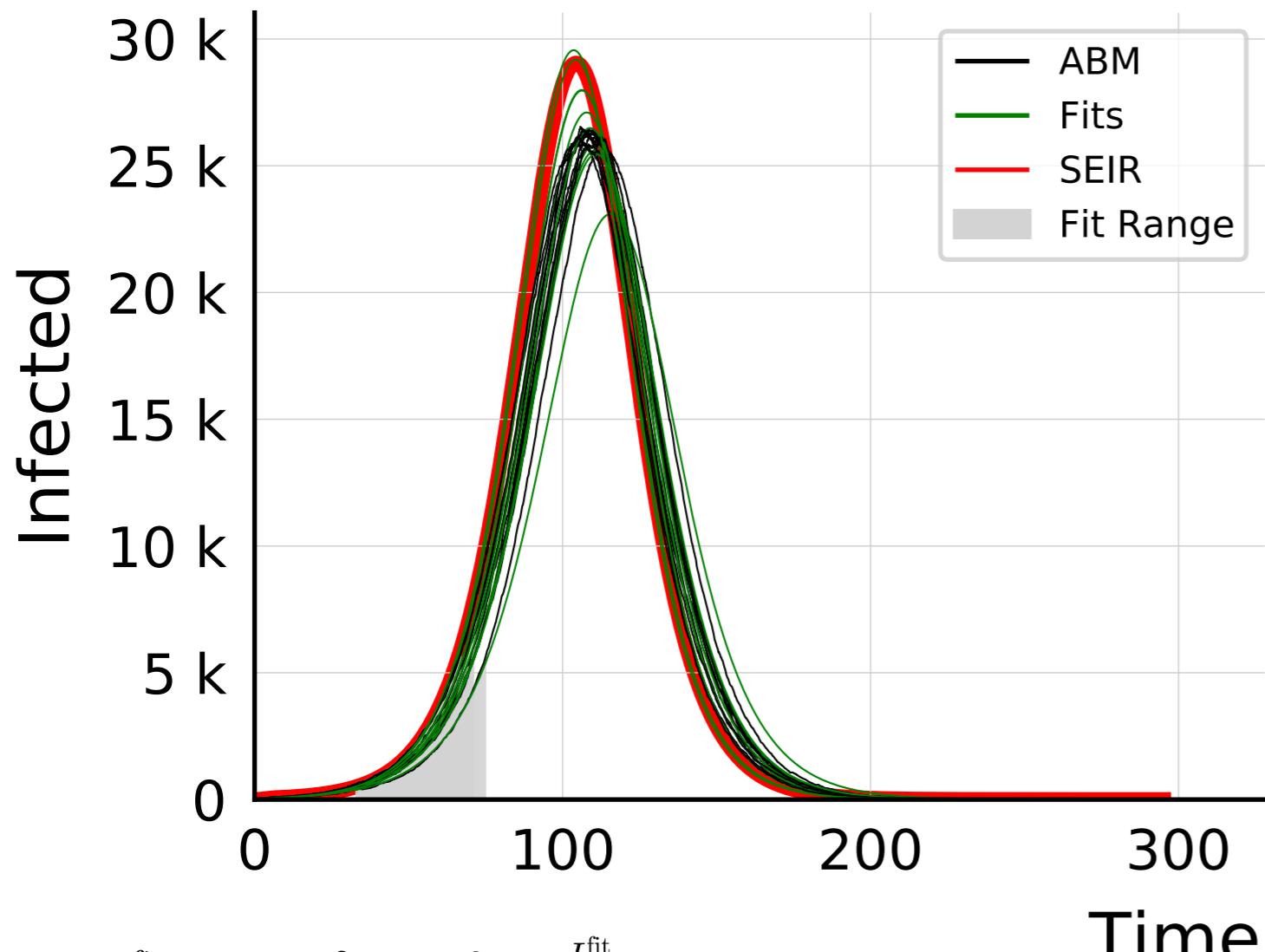
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$
 $\lambda_E = 2.0$, $\lambda_I = 1.0$, algo = 2, #10



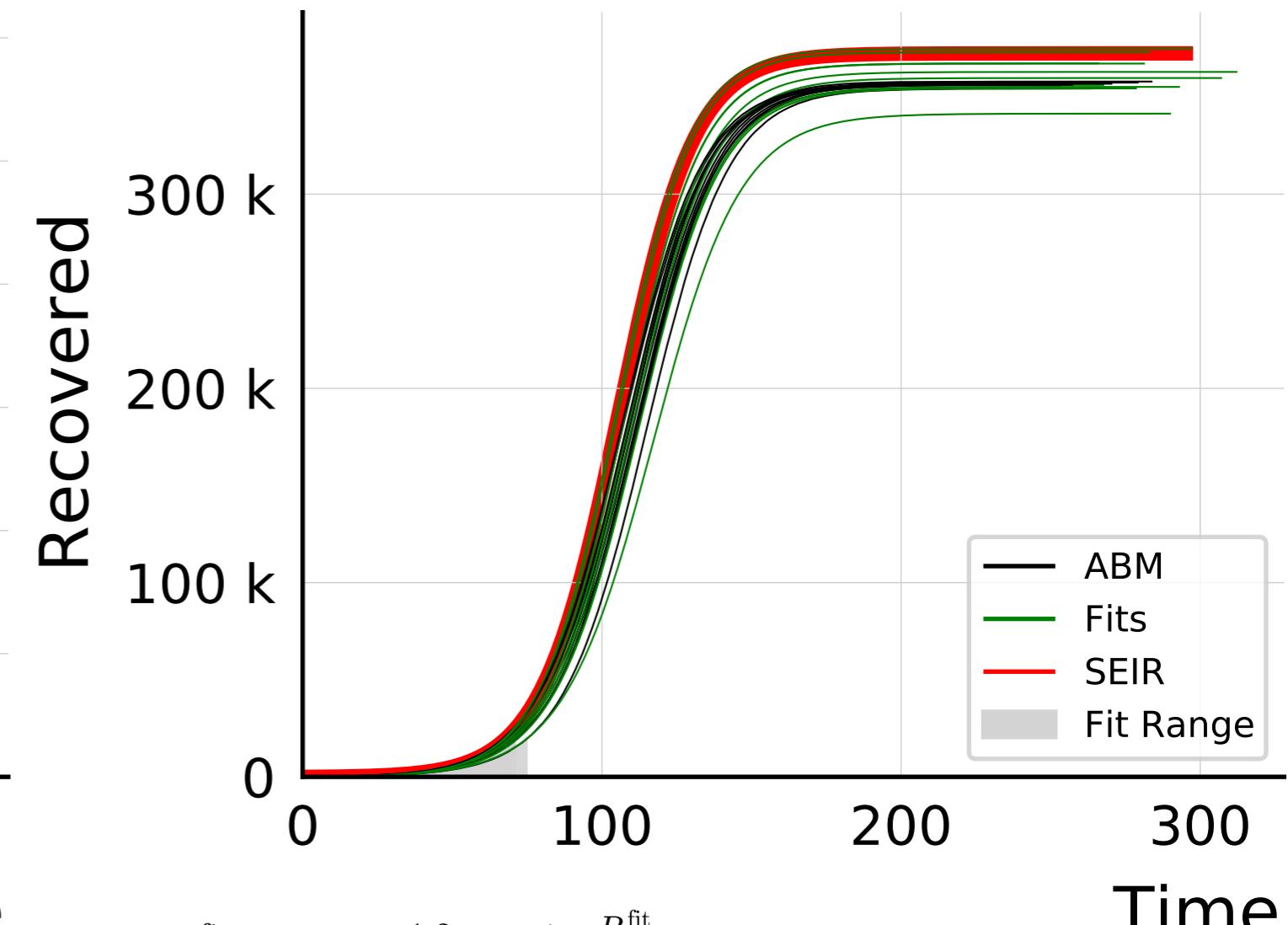
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$
 $\lambda_E = 4.0$, $\lambda_I = 1.0$, algo = 2, #10



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

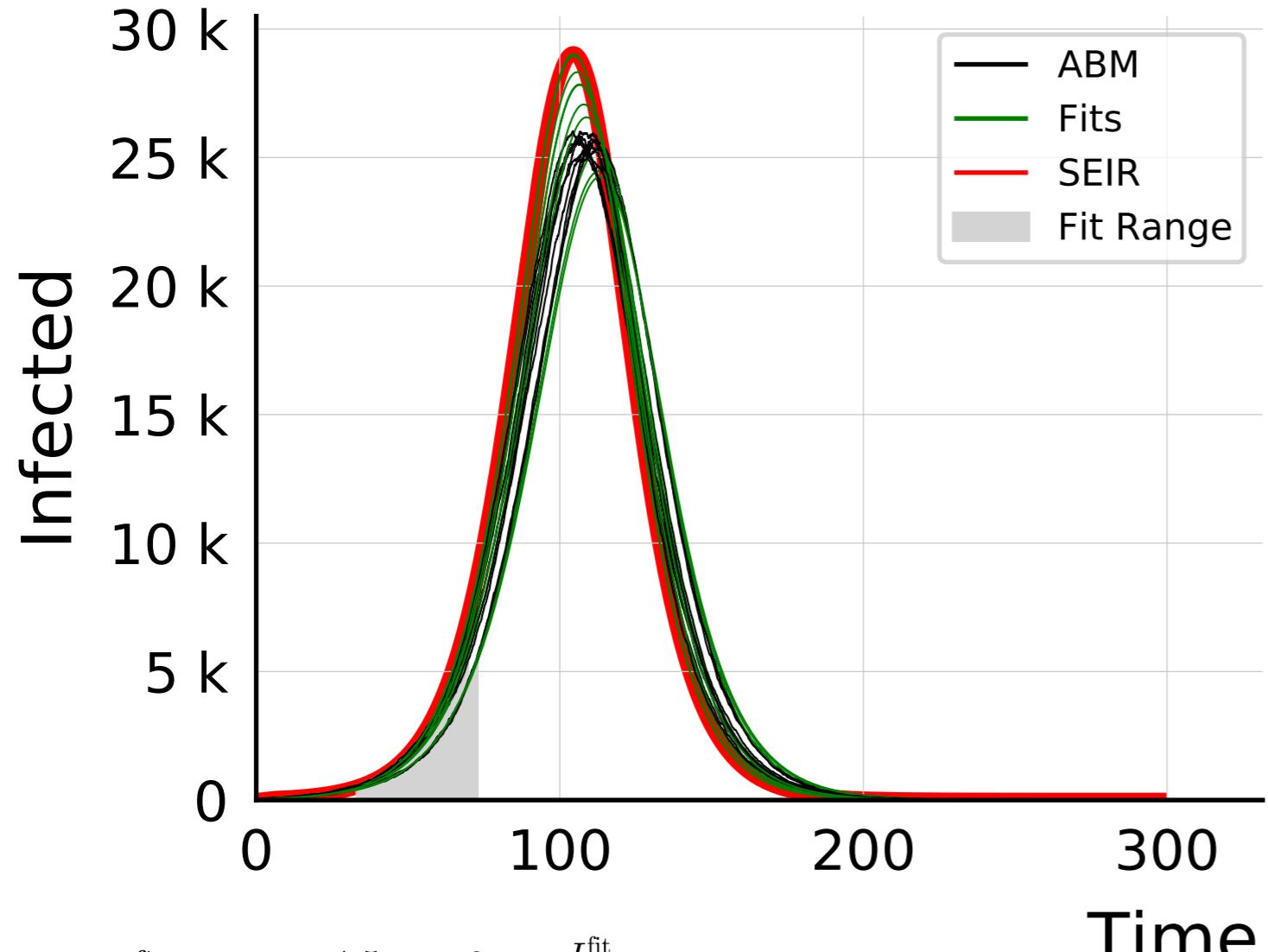


$$I_{\max}^{\text{fit}} = 27_{-1.3}^{+2} \cdot 10^3 \quad \frac{I_{\max}^{\text{fit}}}{I_{\max}^{\text{ABM}}} = 1.02 \pm 0.022$$

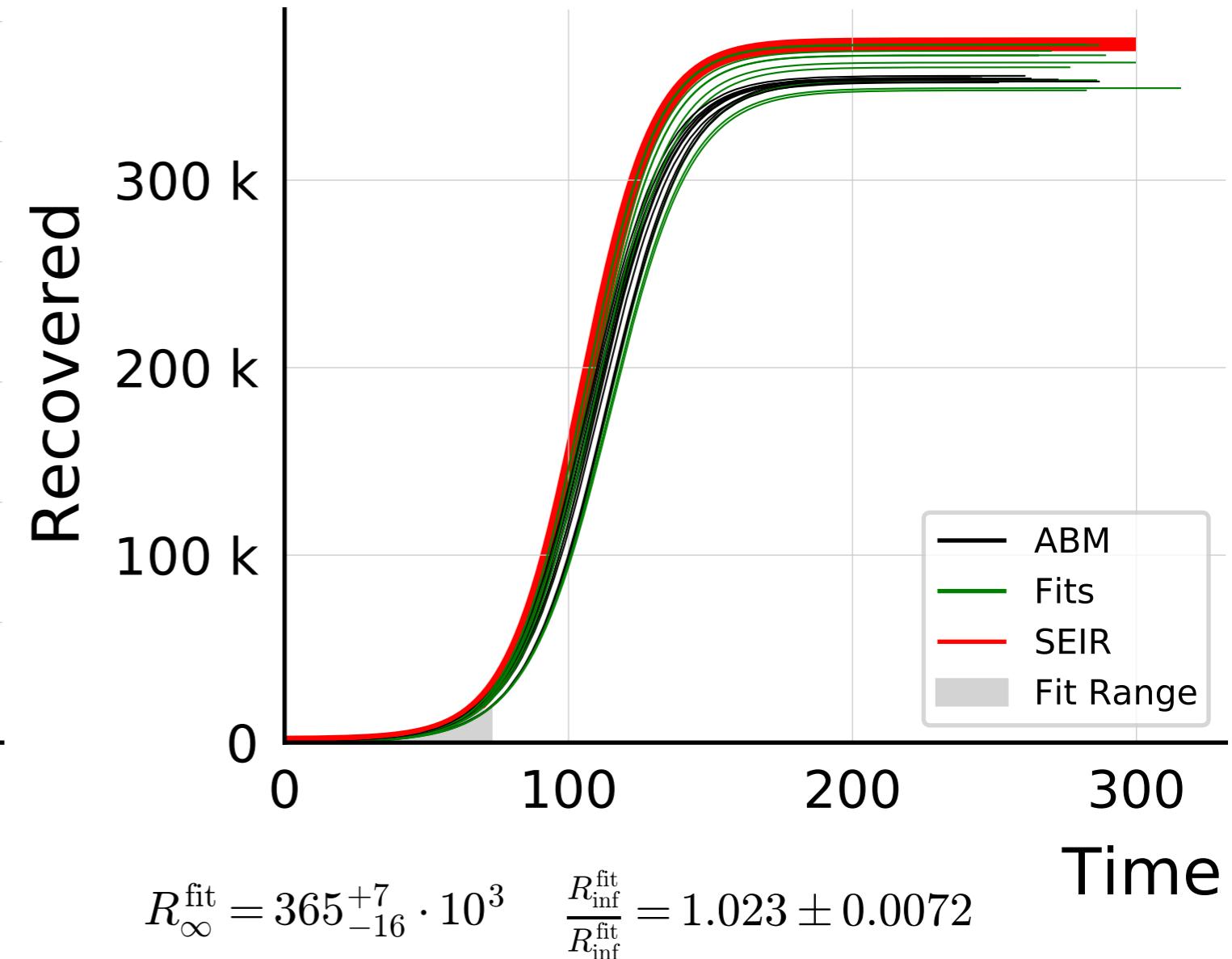


$$R_{\infty}^{\text{fit}} = 36.1_{-0.7}^{+1.2} \cdot 10^4 \quad \frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{inf}}} = 1.013 \pm 0.0078$$

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

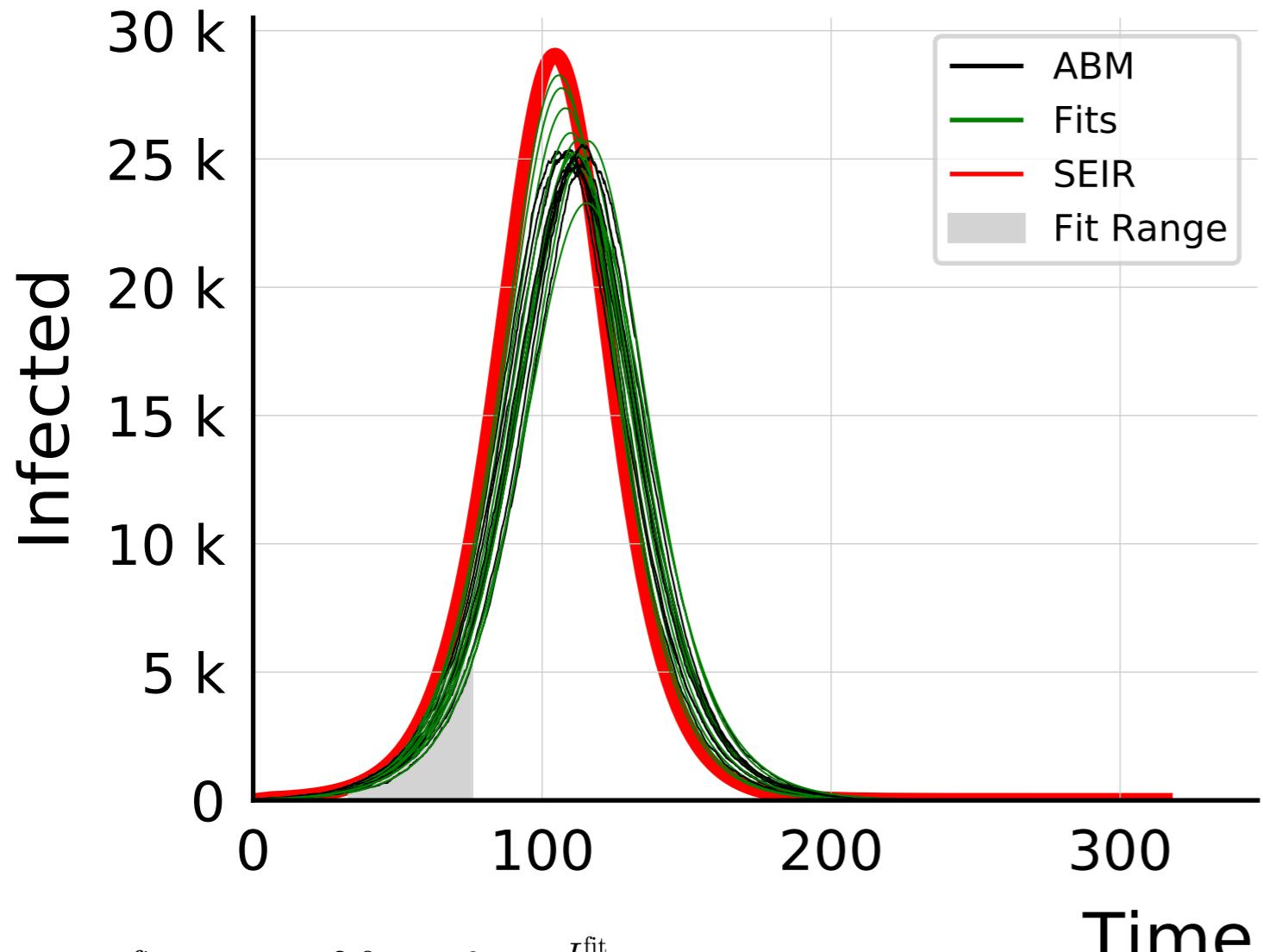


$$I_{\max}^{\text{fit}} = 27_{-3}^{+1.5} \cdot 10^3 \quad \frac{I_{\max}^{\text{fit}}}{I_{\max}^{\text{ABM}}} = 1.05 \pm 0.020$$

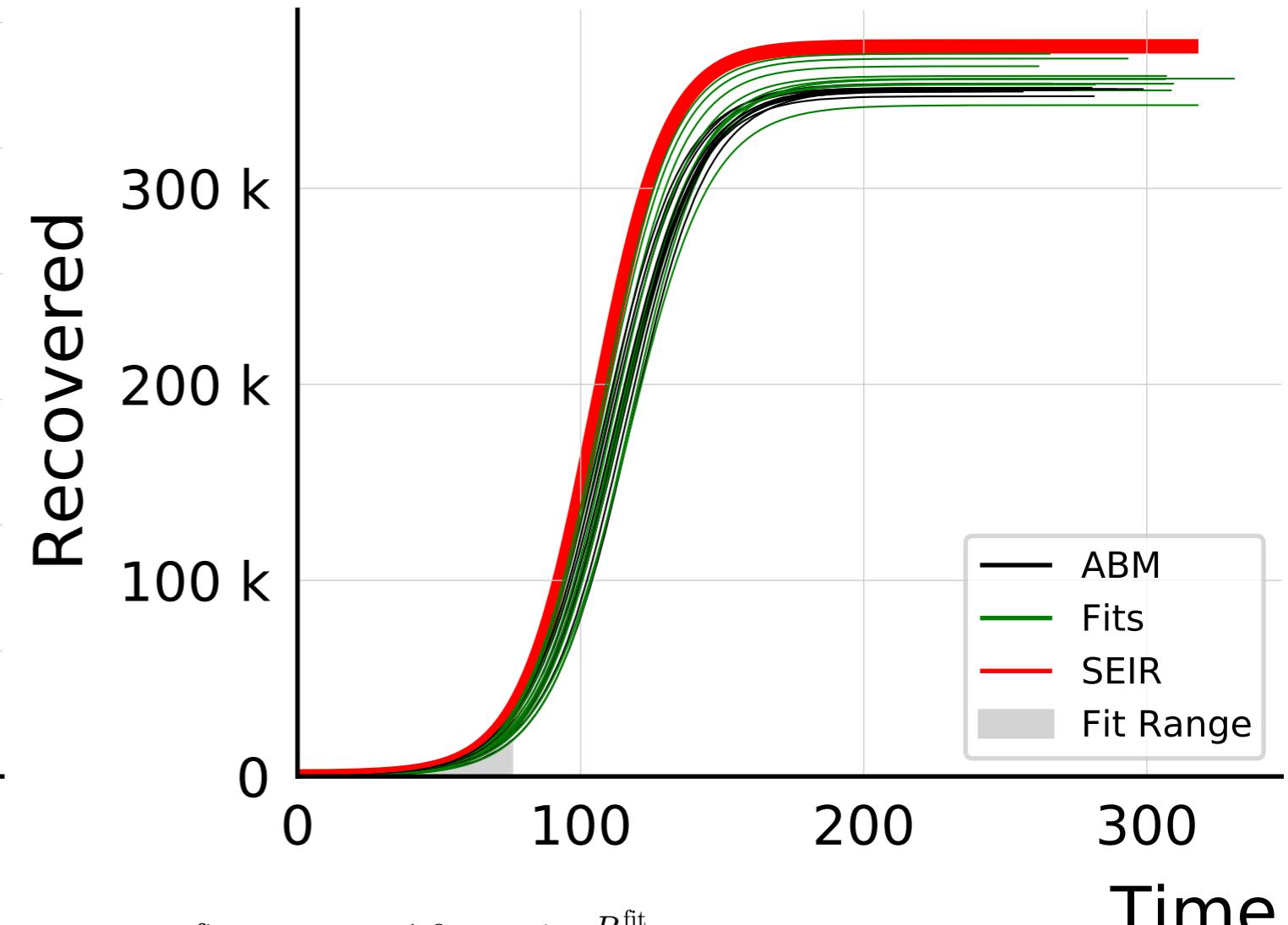


$$R_{\infty}^{\text{fit}} = 365_{-16}^{+7} \cdot 10^3 \quad \frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{inf}}} = 1.023 \pm 0.0072$$

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

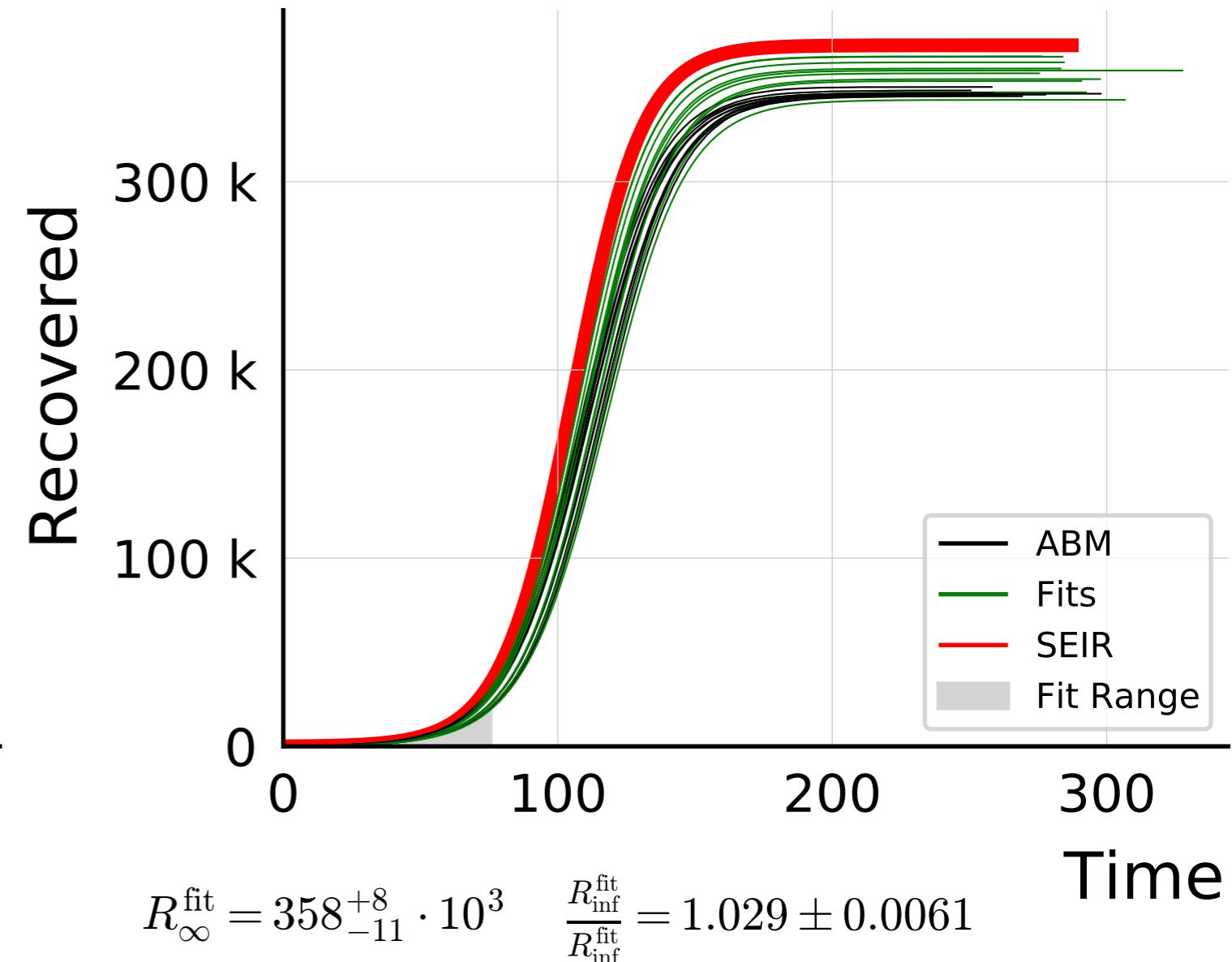
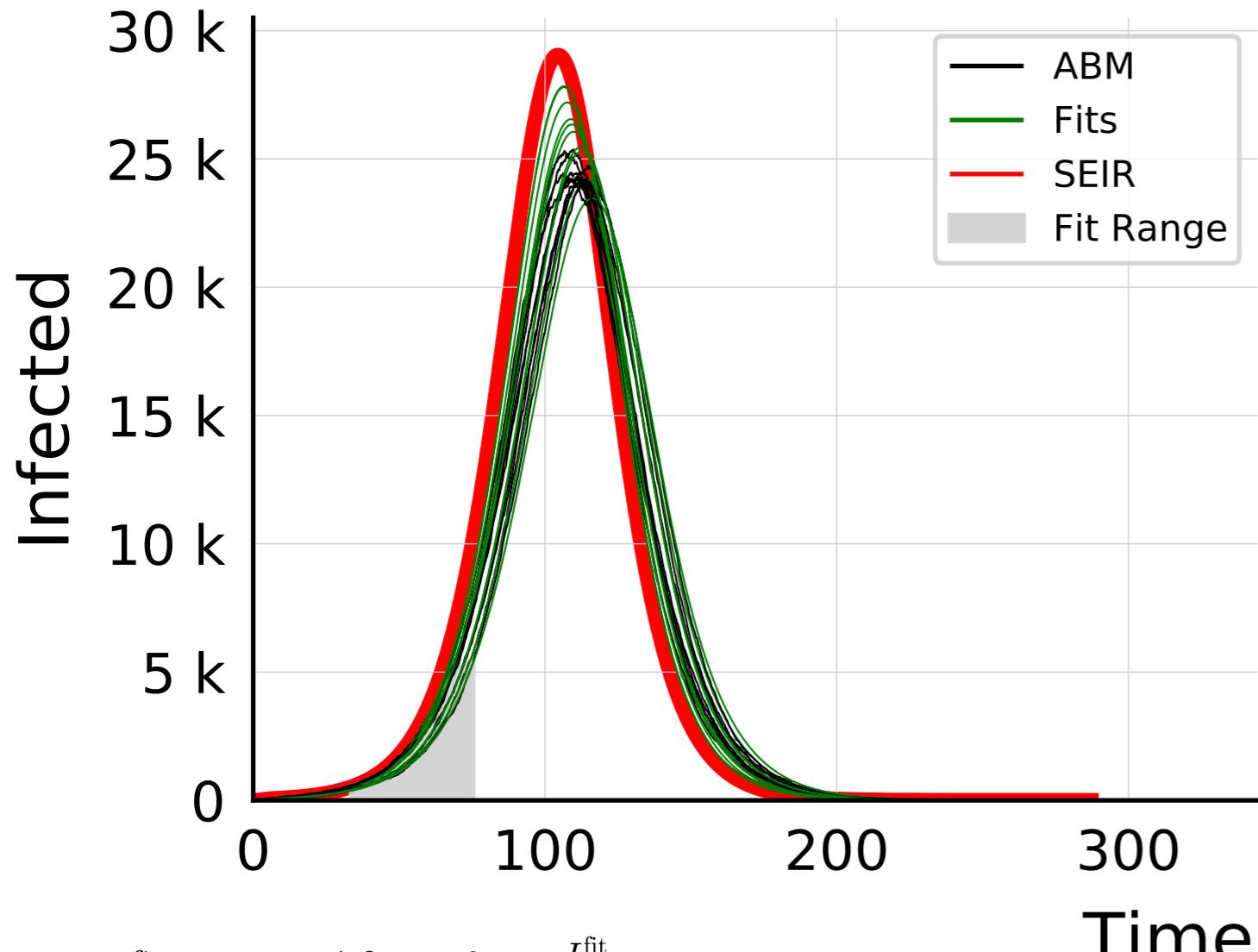


$$I_{\max}^{\text{fit}} = 26_{-1.1}^{+2.0} \cdot 10^3 \quad \frac{I_{\max}^{\text{fit}}}{I_{\max}^{\text{ABM}}} = 1.03 \pm 0.017$$

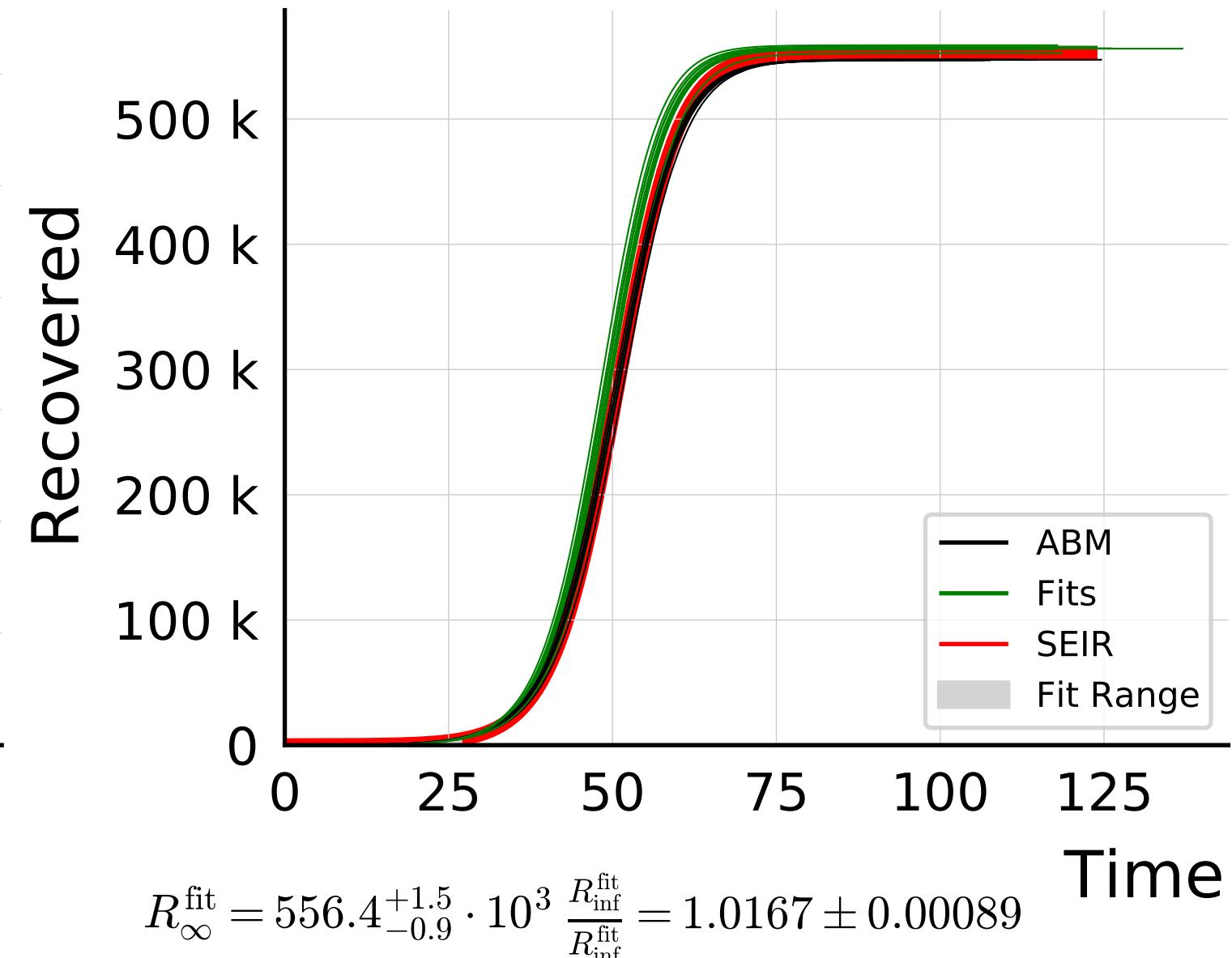
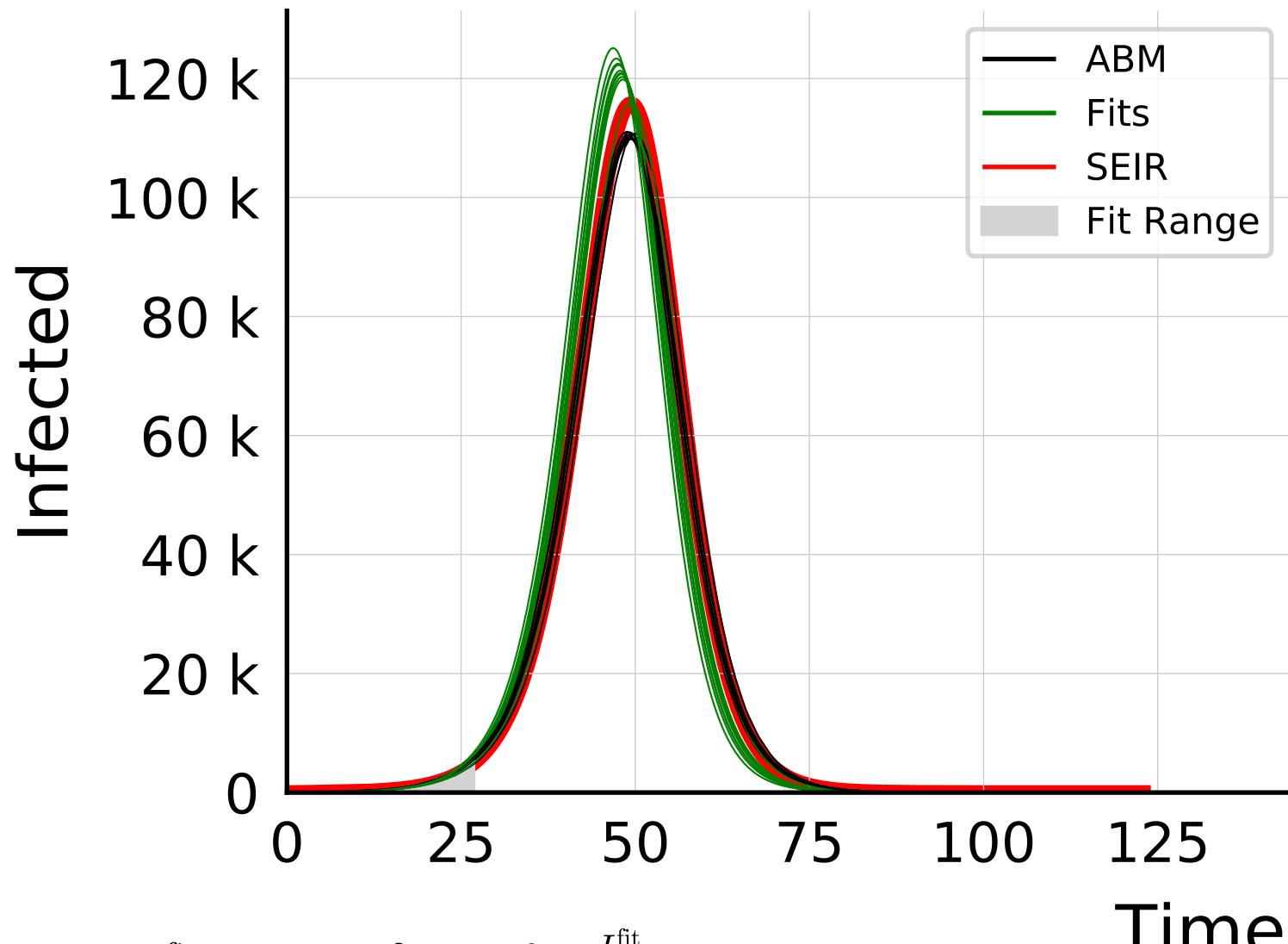


$$R_{\infty}^{\text{fit}} = 35.6_{-0.6}^{+1.0} \cdot 10^4 \quad \frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.017 \pm 0.0061$$

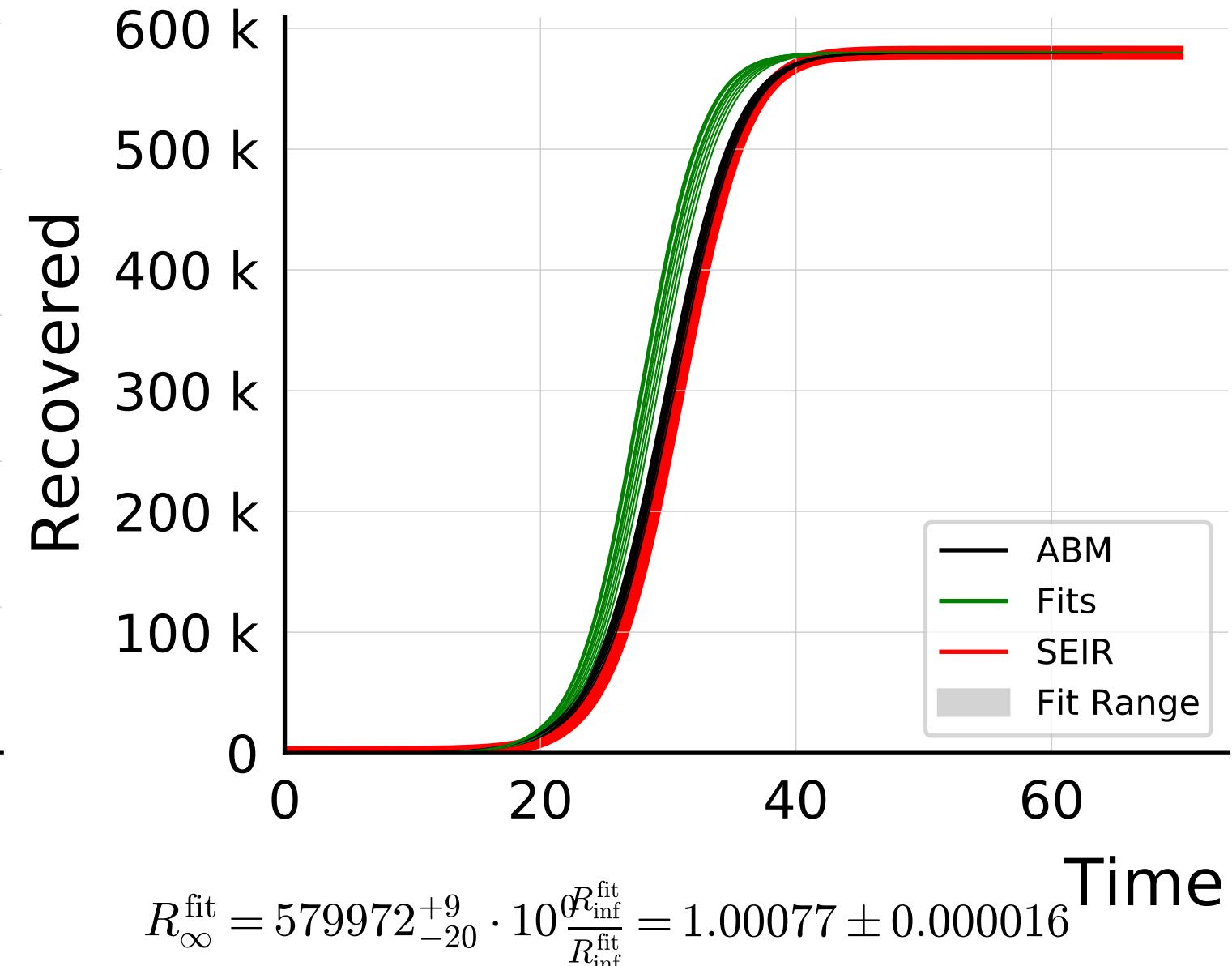
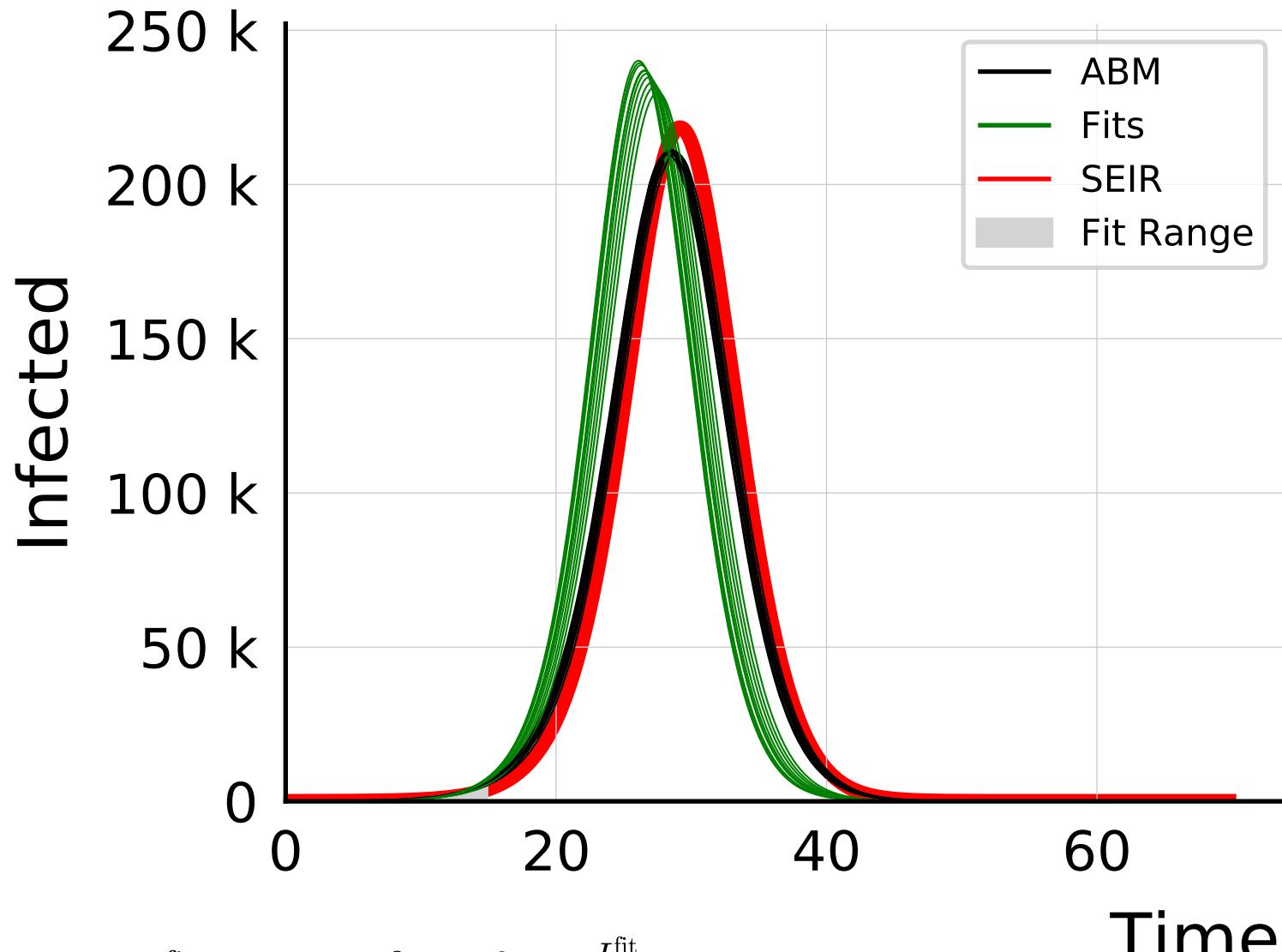
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 1.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, #10



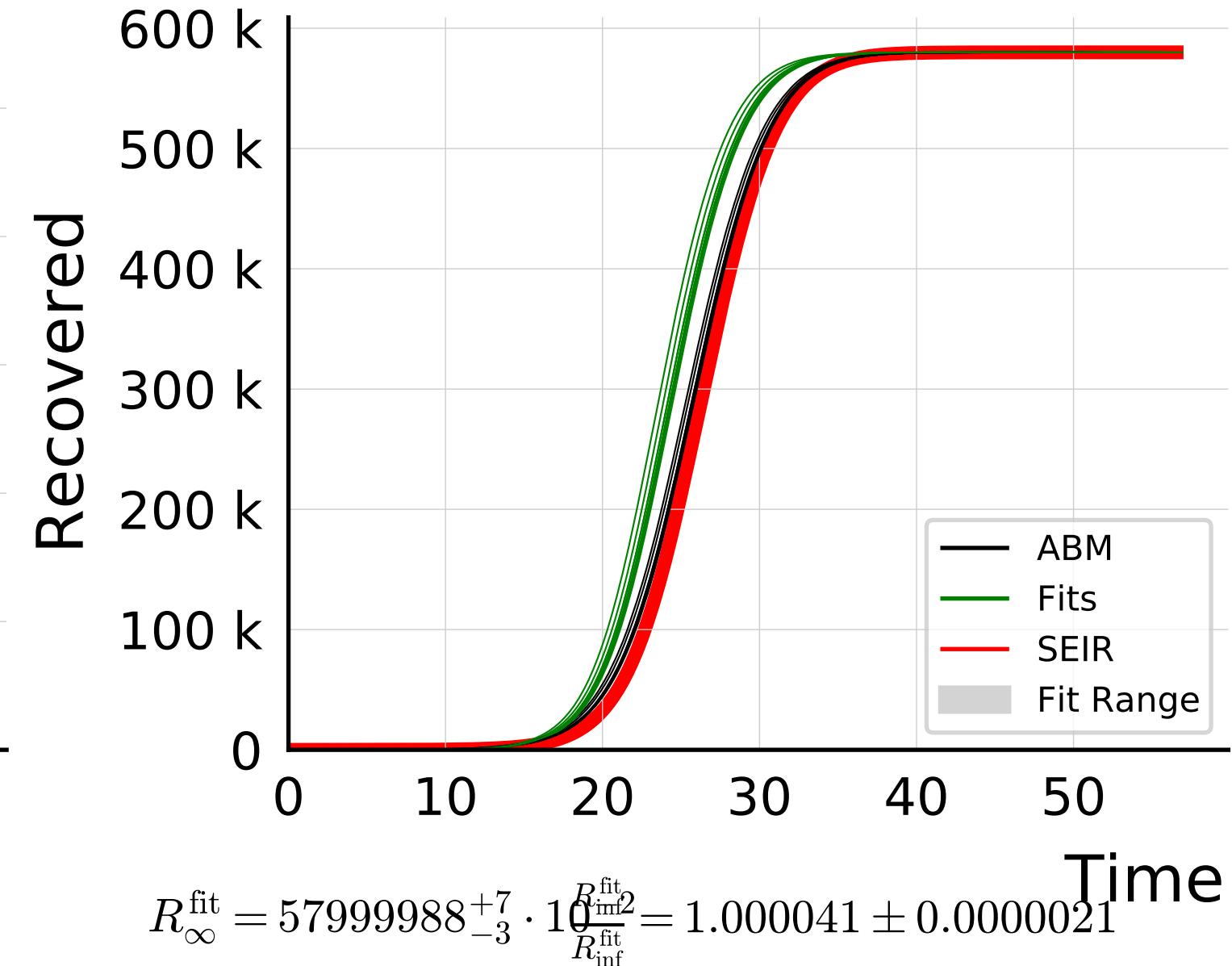
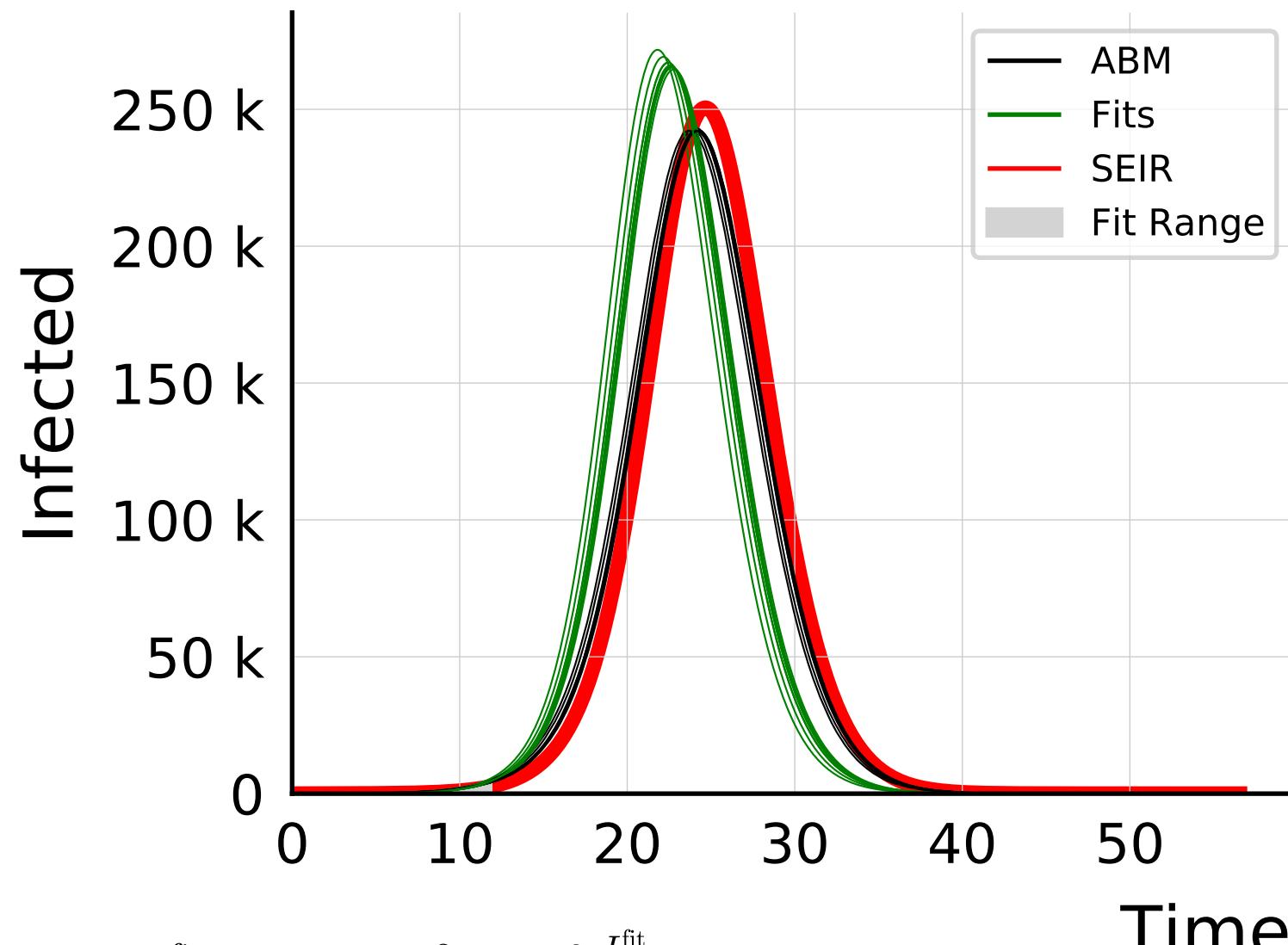
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.02$, $\sigma_\beta = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, #10



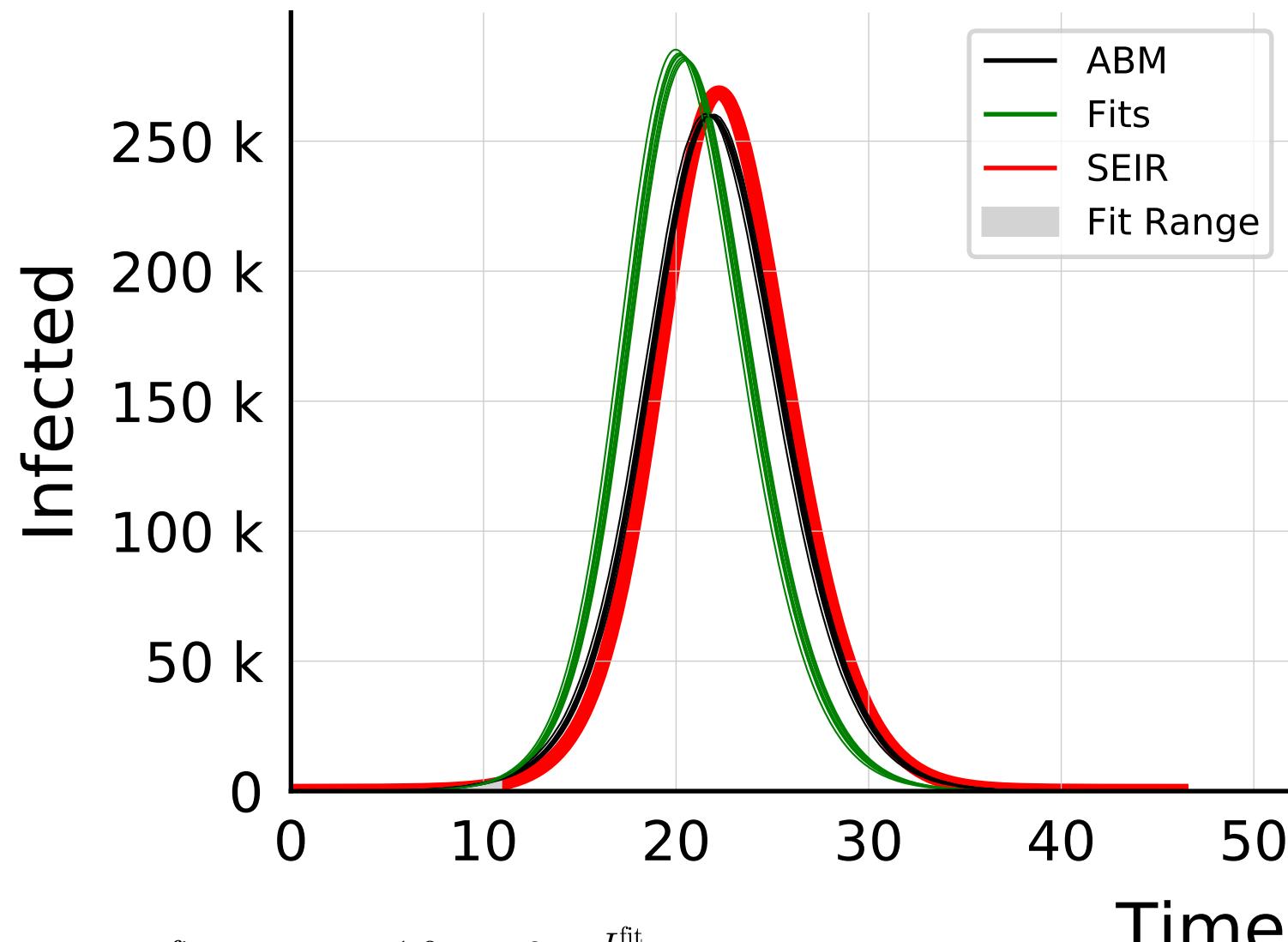
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.05$, $\sigma_\beta = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, #10



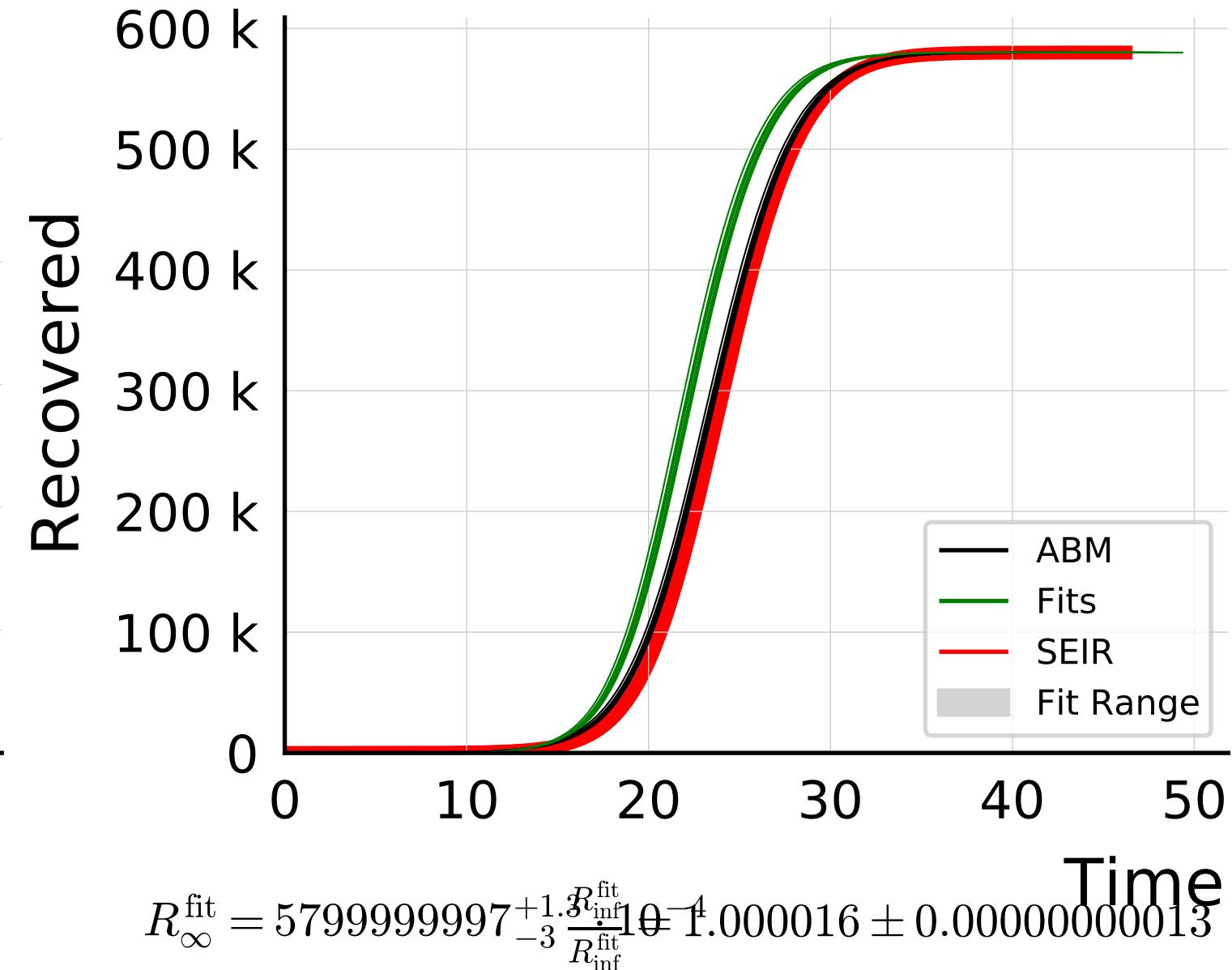
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.075$, $\sigma_\beta = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, #10



$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.1$, $\sigma_\beta = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, #7

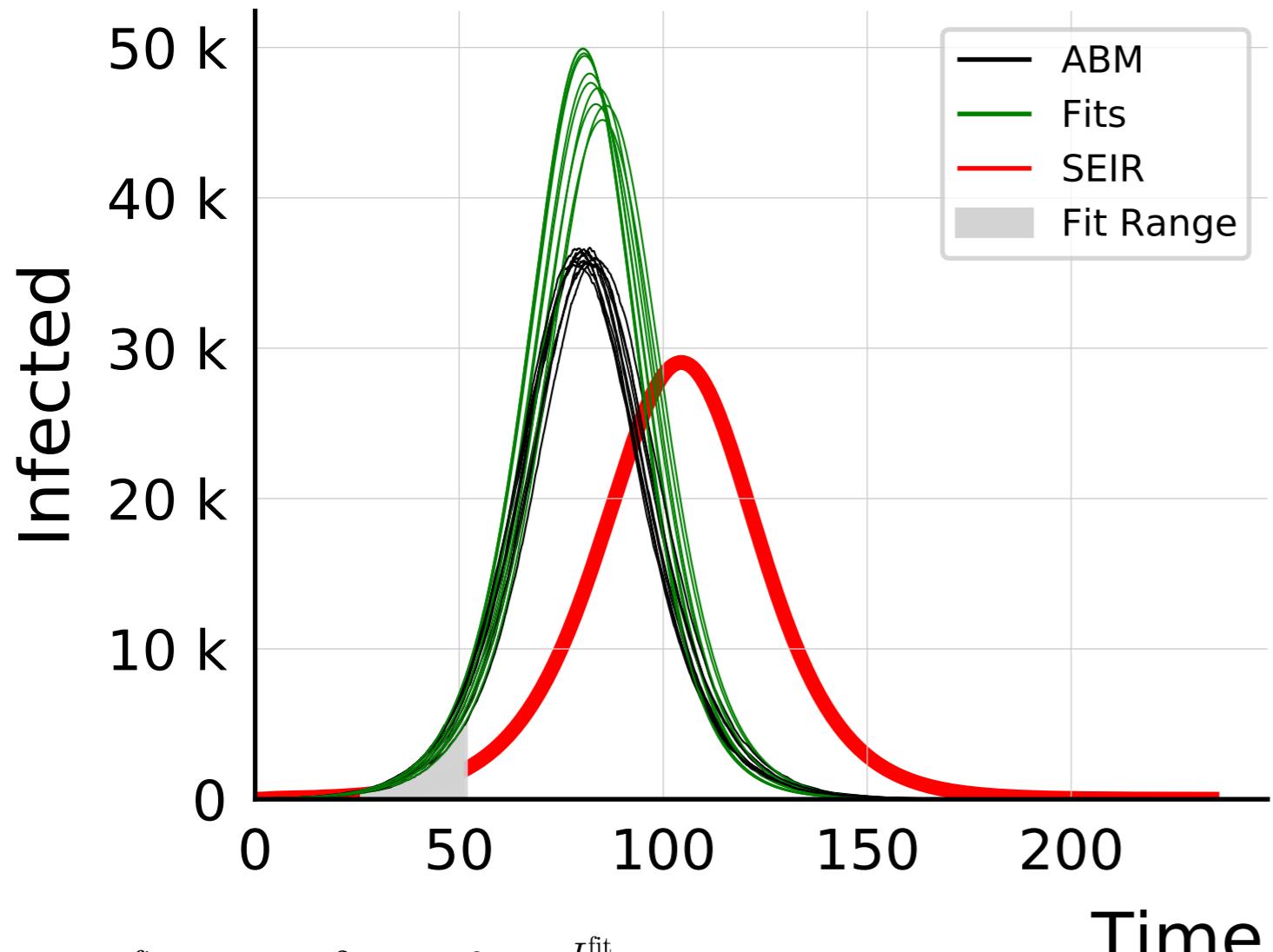


$$I_{\max}^{\text{fit}} = 283^{+1.0}_{-1.5} \cdot 10^3 \quad \frac{I_{\max}^{\text{fit}}}{I_{\max}^{\text{ABM}}} = 1.088 \pm 0.0018$$



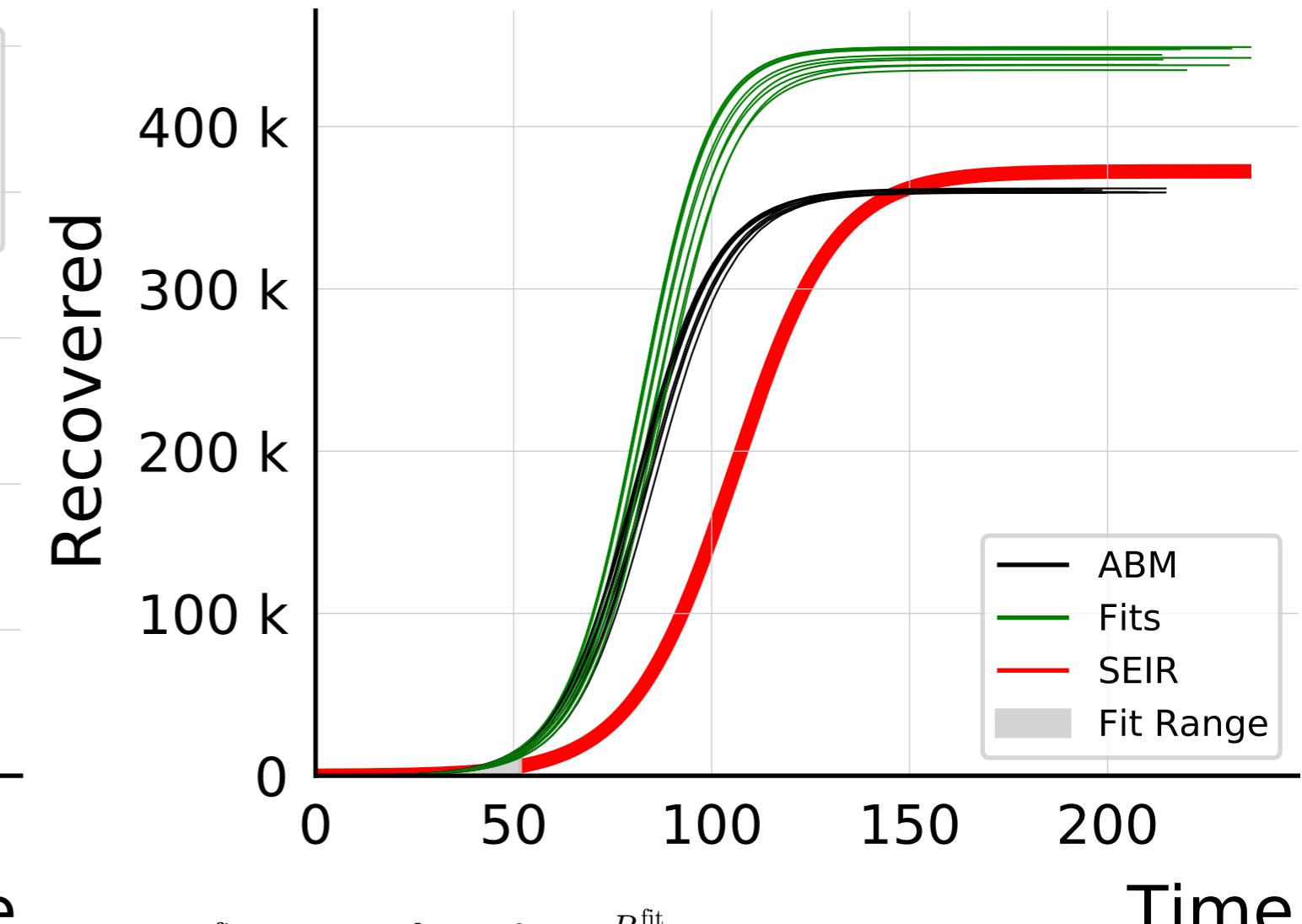
$$R_{\infty}^{\text{fit}} = 5799999997^{+1.3}_{-3} \frac{R_{\text{inf}}^{\text{fit}}}{R_{\text{inf}}} \cdot 10^{-4} \cdot 1.000016 \pm 0.00000000013$$

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



$$I_{\max}^{\text{fit}} = 48^{+2}_{-1.7} \cdot 10^3$$

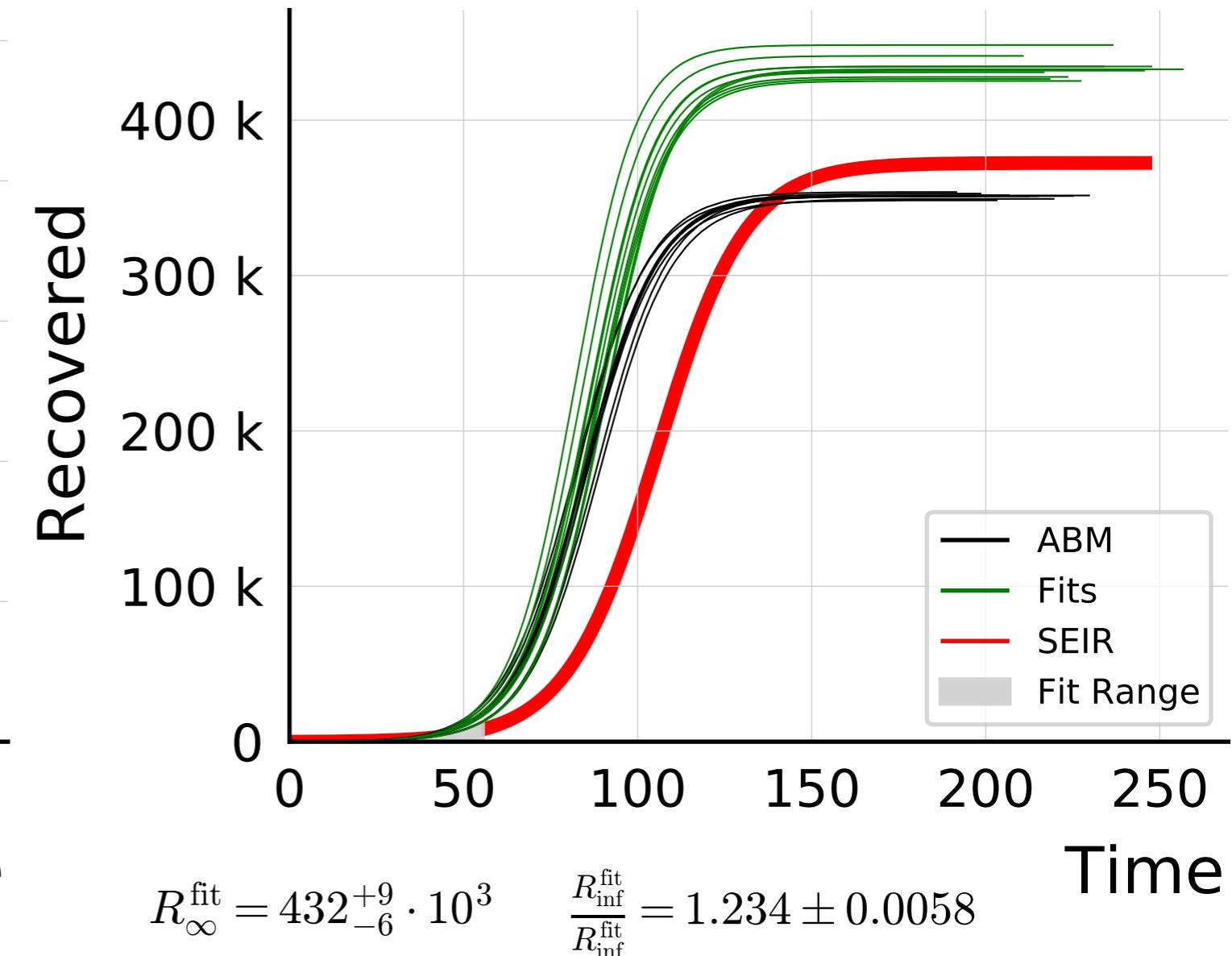
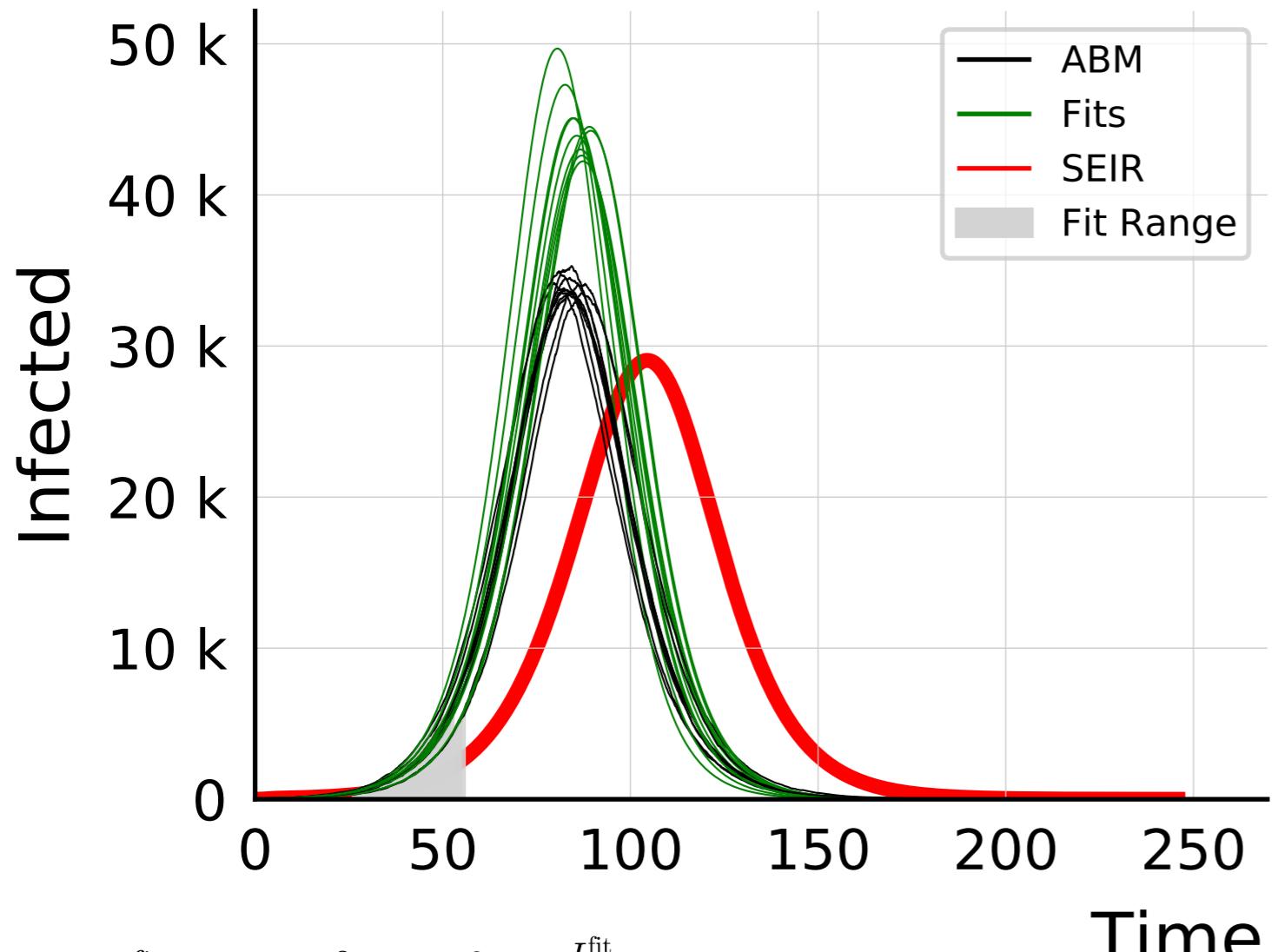
$$\frac{I_{\max}^{\text{fit}}}{I_{\max}^{\text{ABM}}} = 1.33 \pm 0.016$$



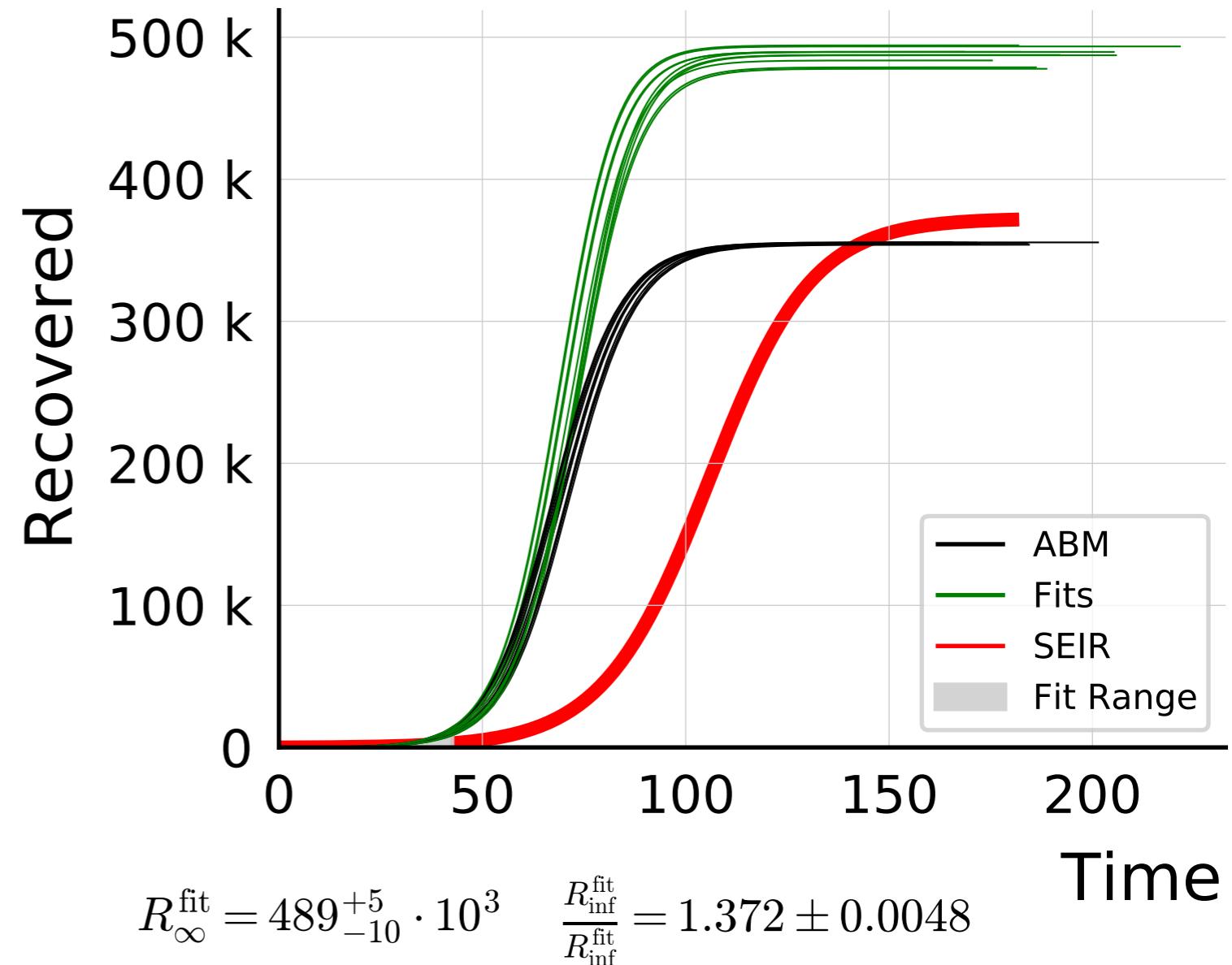
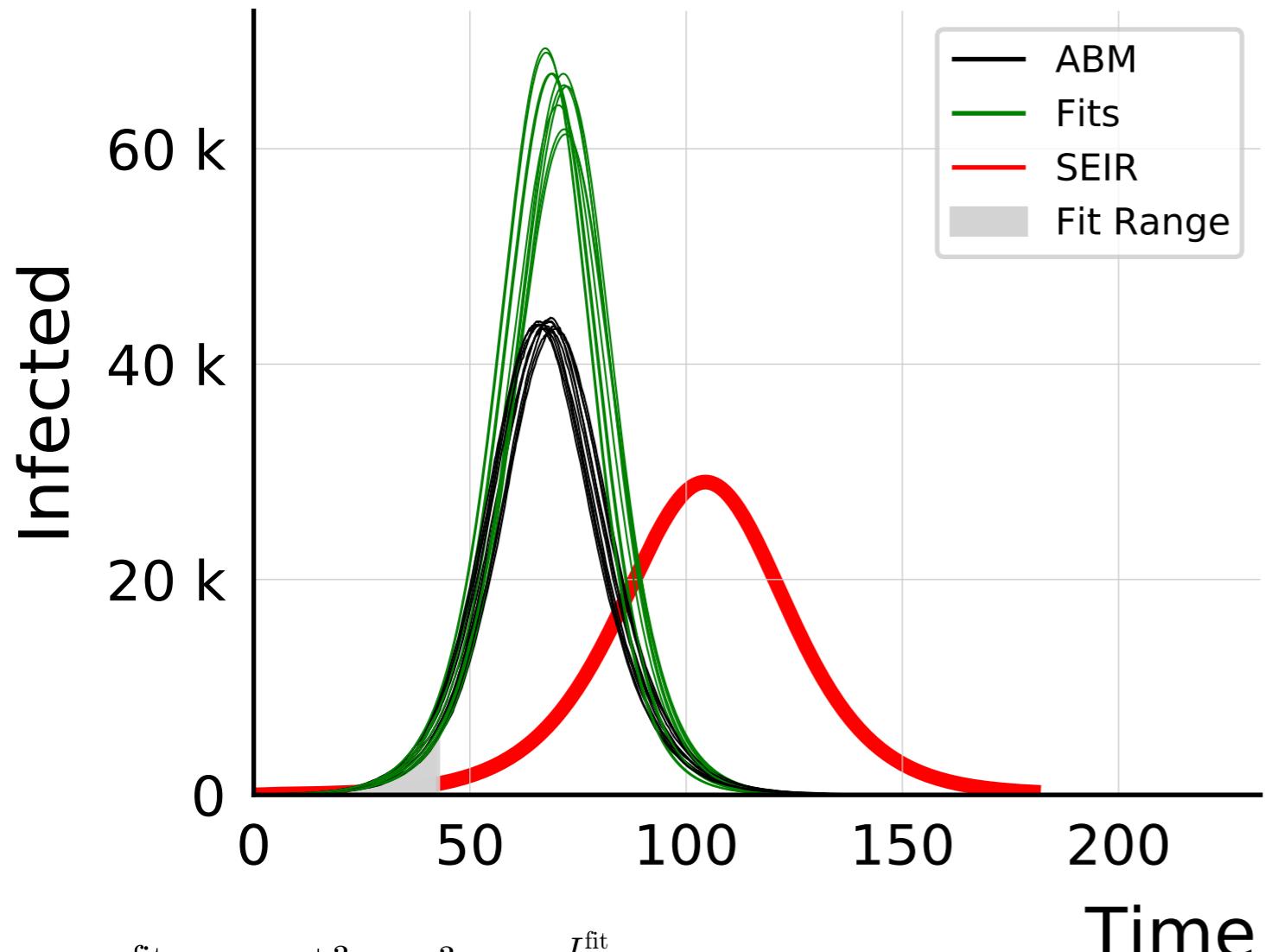
$$R_{\infty}^{\text{fit}} = 443^{+6}_{-5} \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\text{inf}}^{\text{fit}}} = 1.23 \pm 0.0043$$

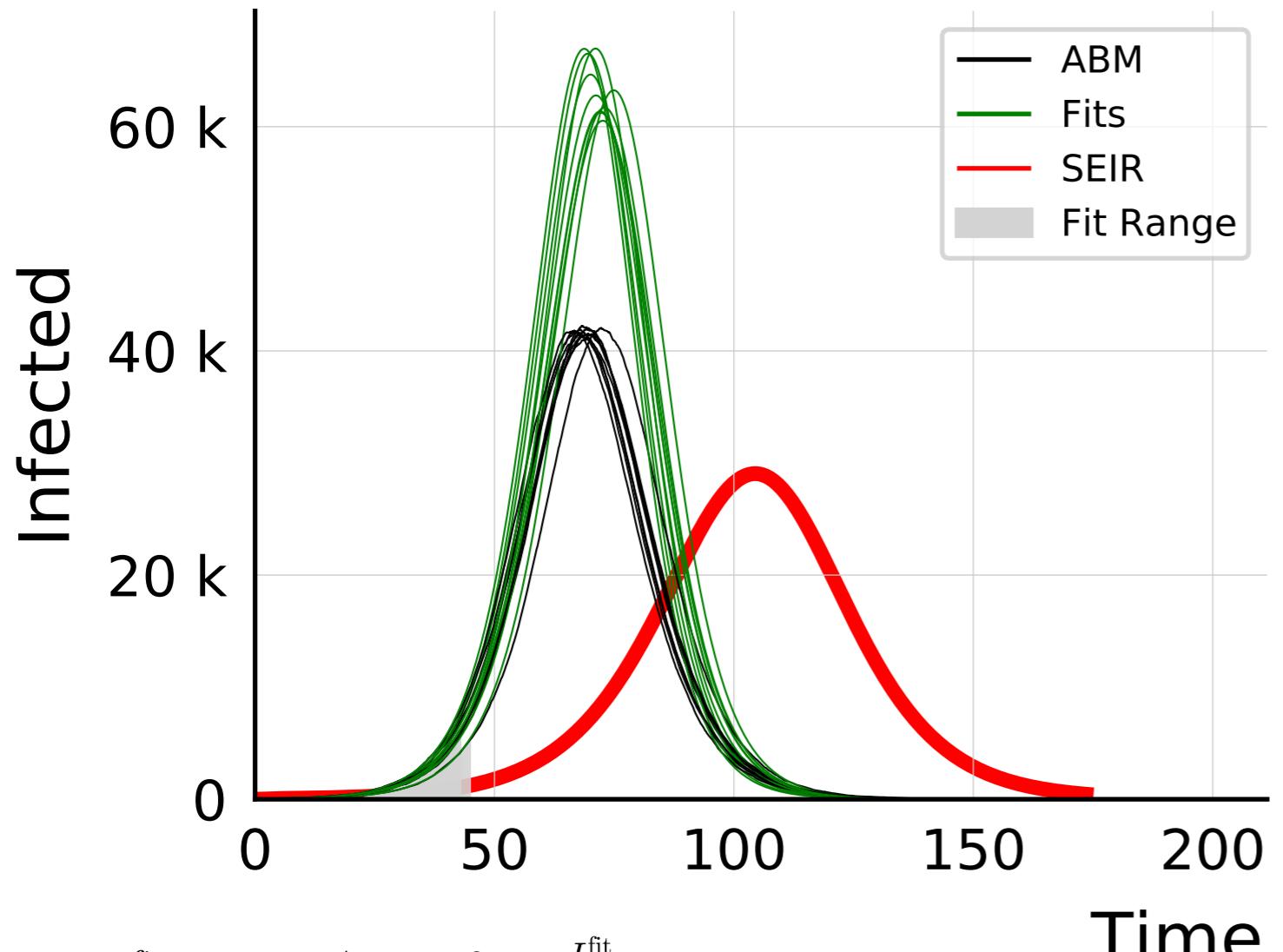
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.25$, $\beta = 0.01$, $\sigma_\beta = 1.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, #10



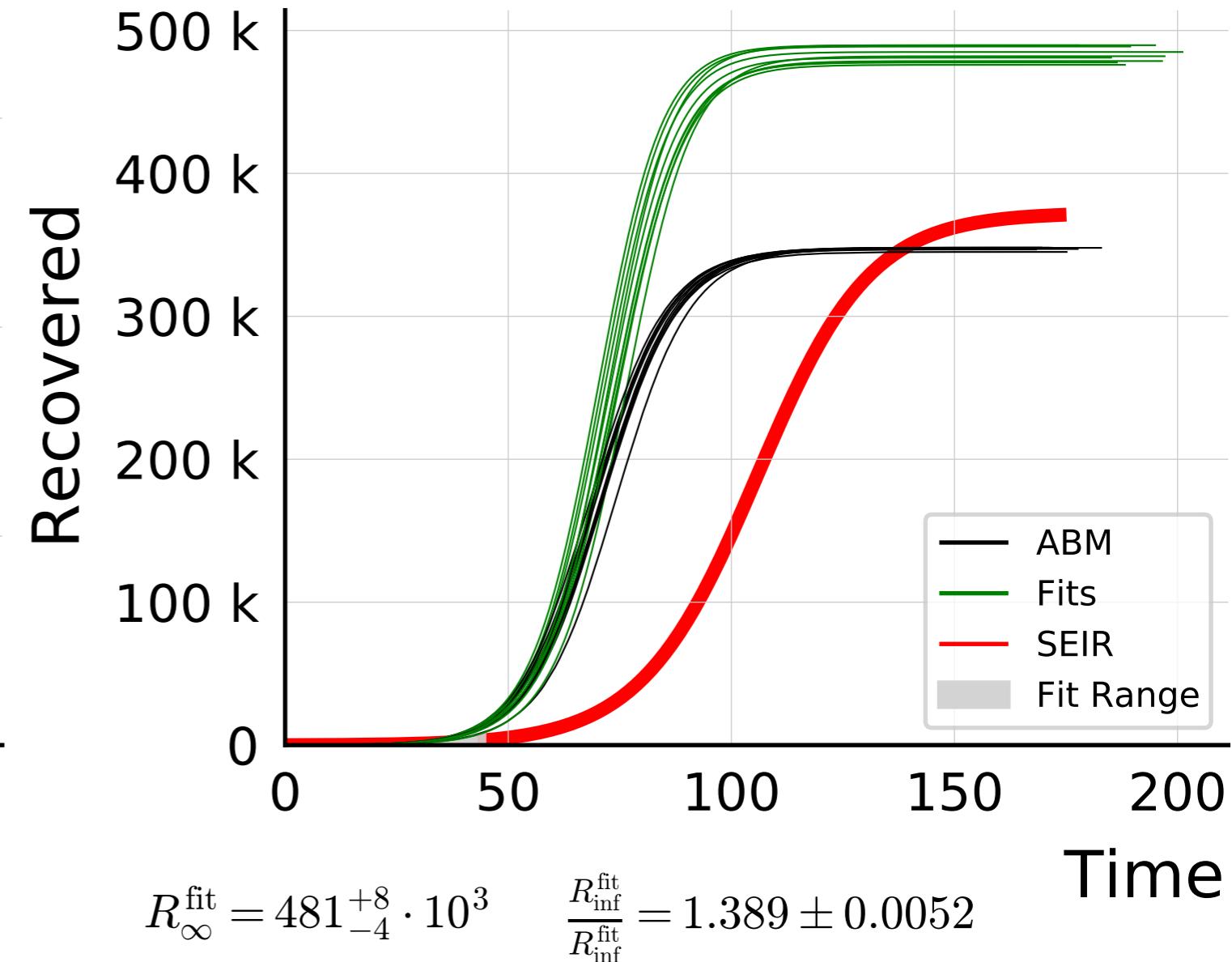
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.5$, $\beta = 0.01$, $\sigma_\beta = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, #10



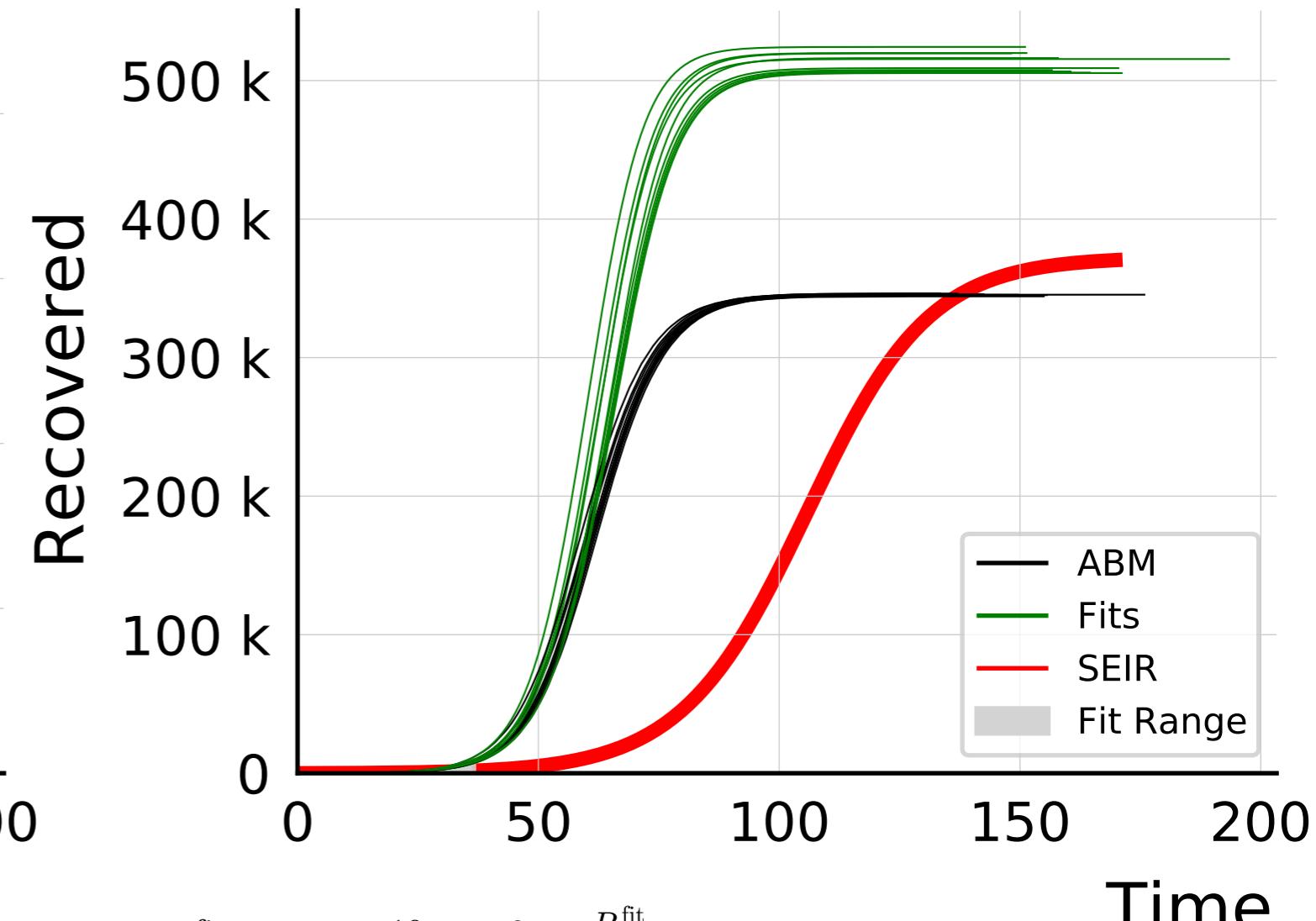
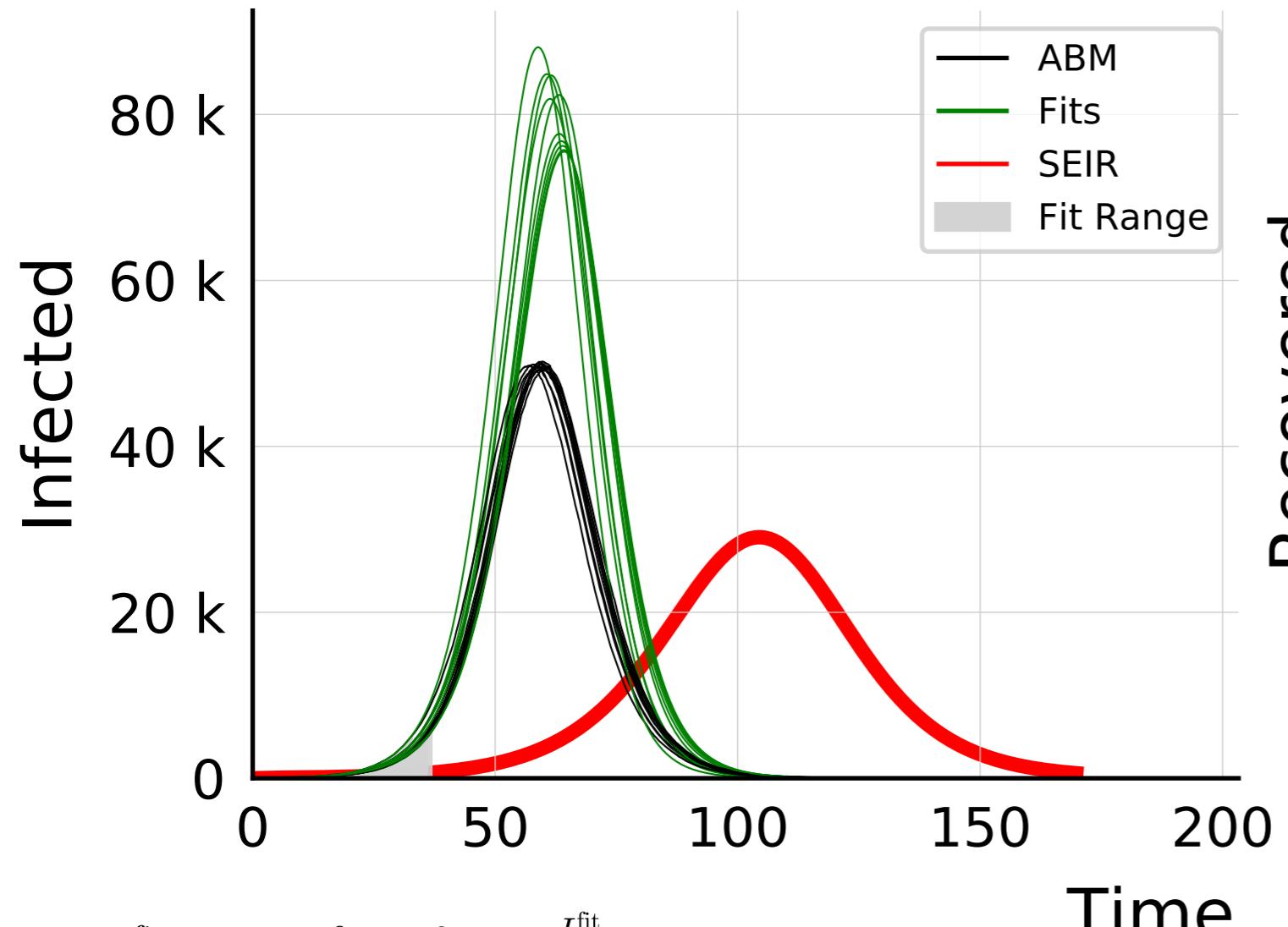
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.5$, $\beta = 0.01$, $\sigma_\beta = 1.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, #10



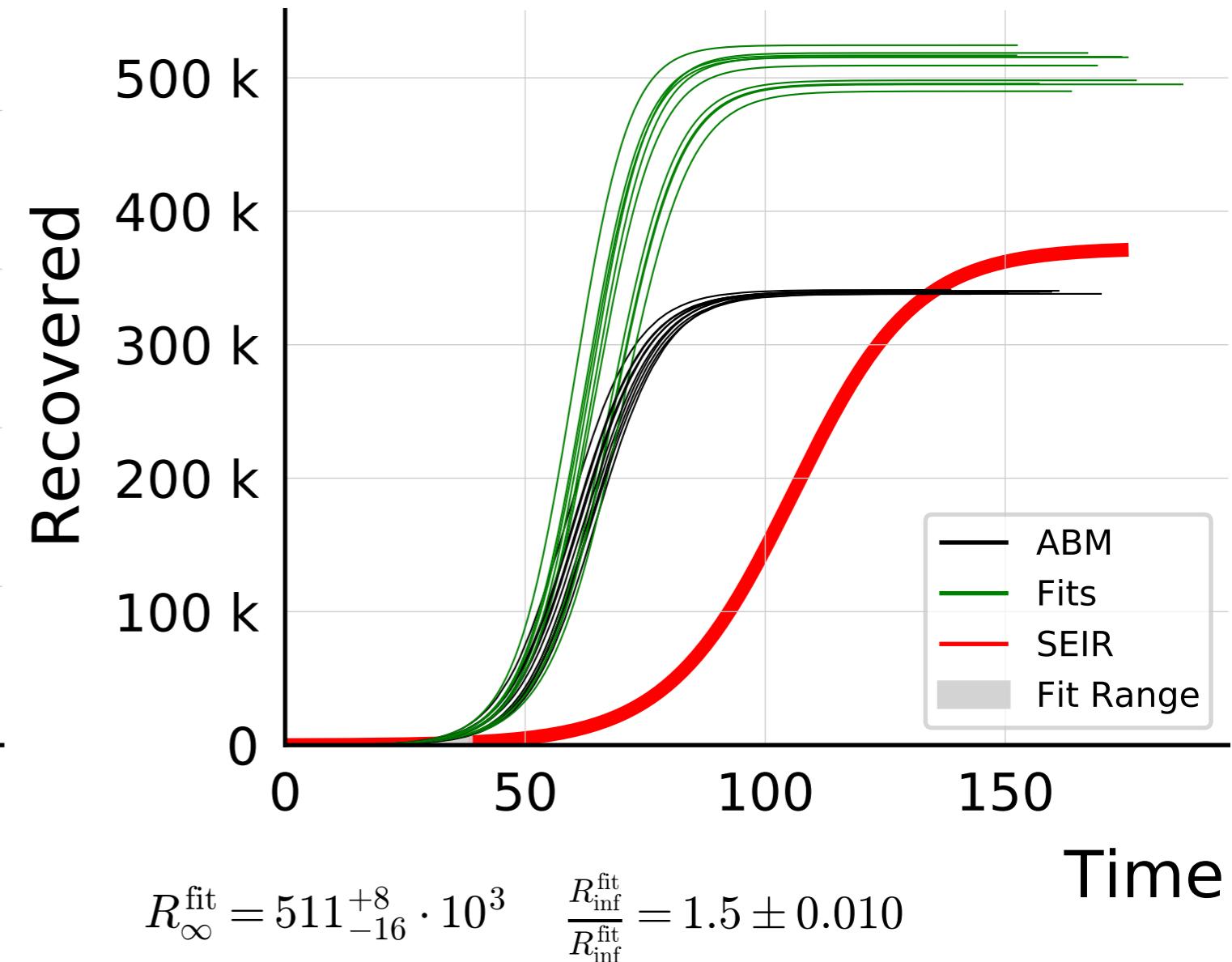
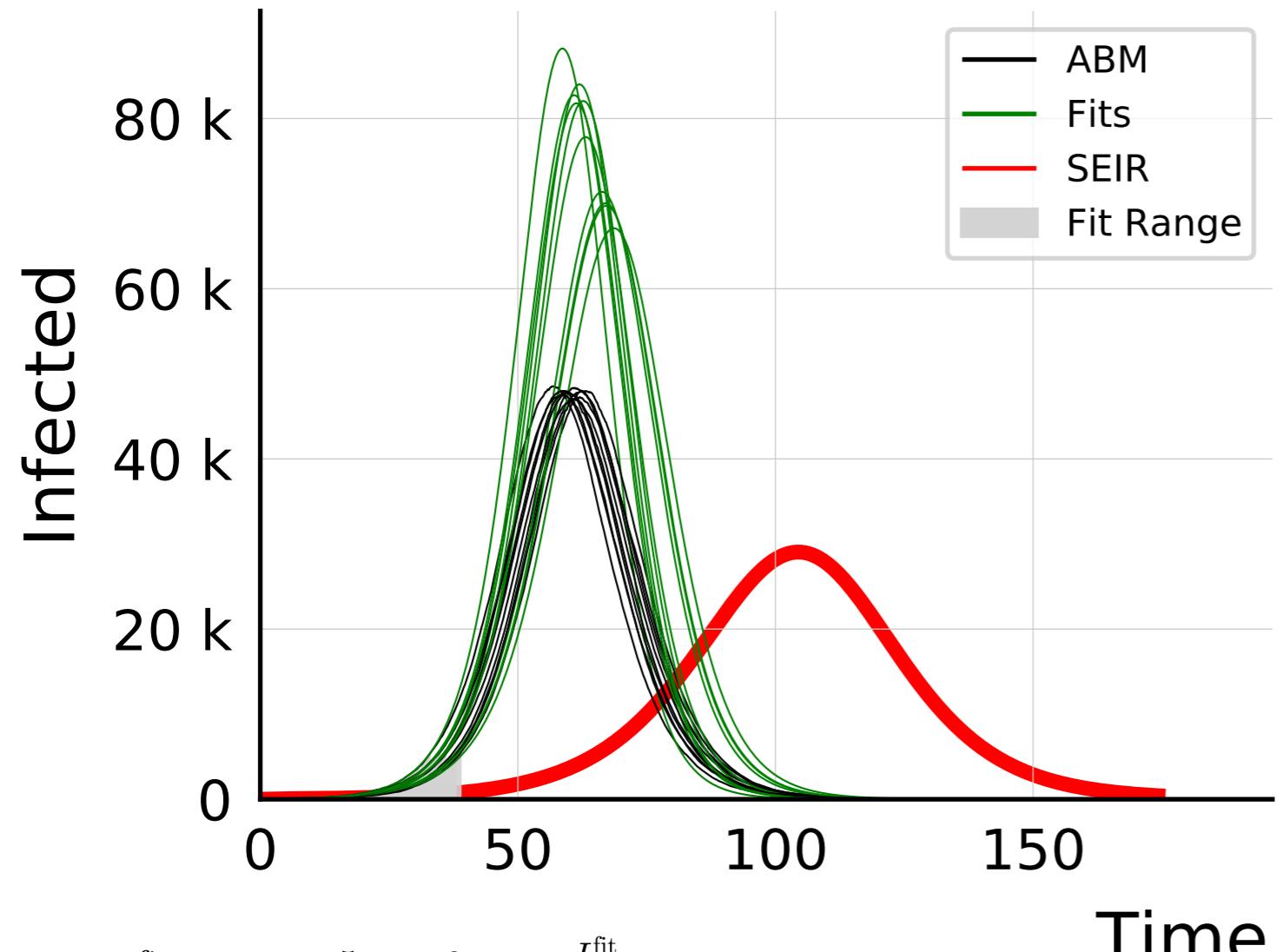
$$I_{\text{max}}^{\text{fit}} = 63^{+4}_{-1.6} \cdot 10^3 \quad \frac{I_{\text{max}}^{\text{fit}}}{I_{\text{max}}^{\text{ABM}}} = 1.52 \pm 0.020$$



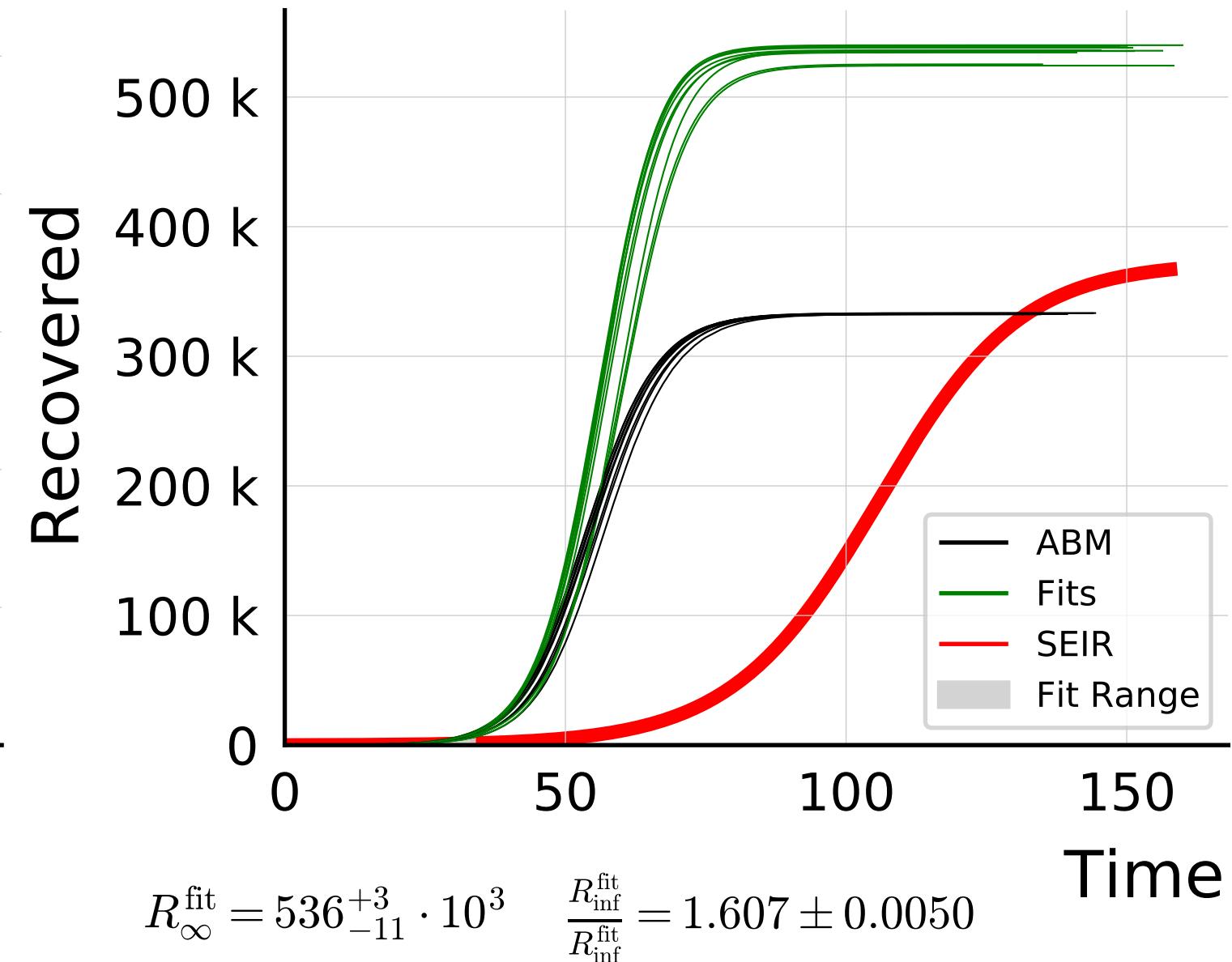
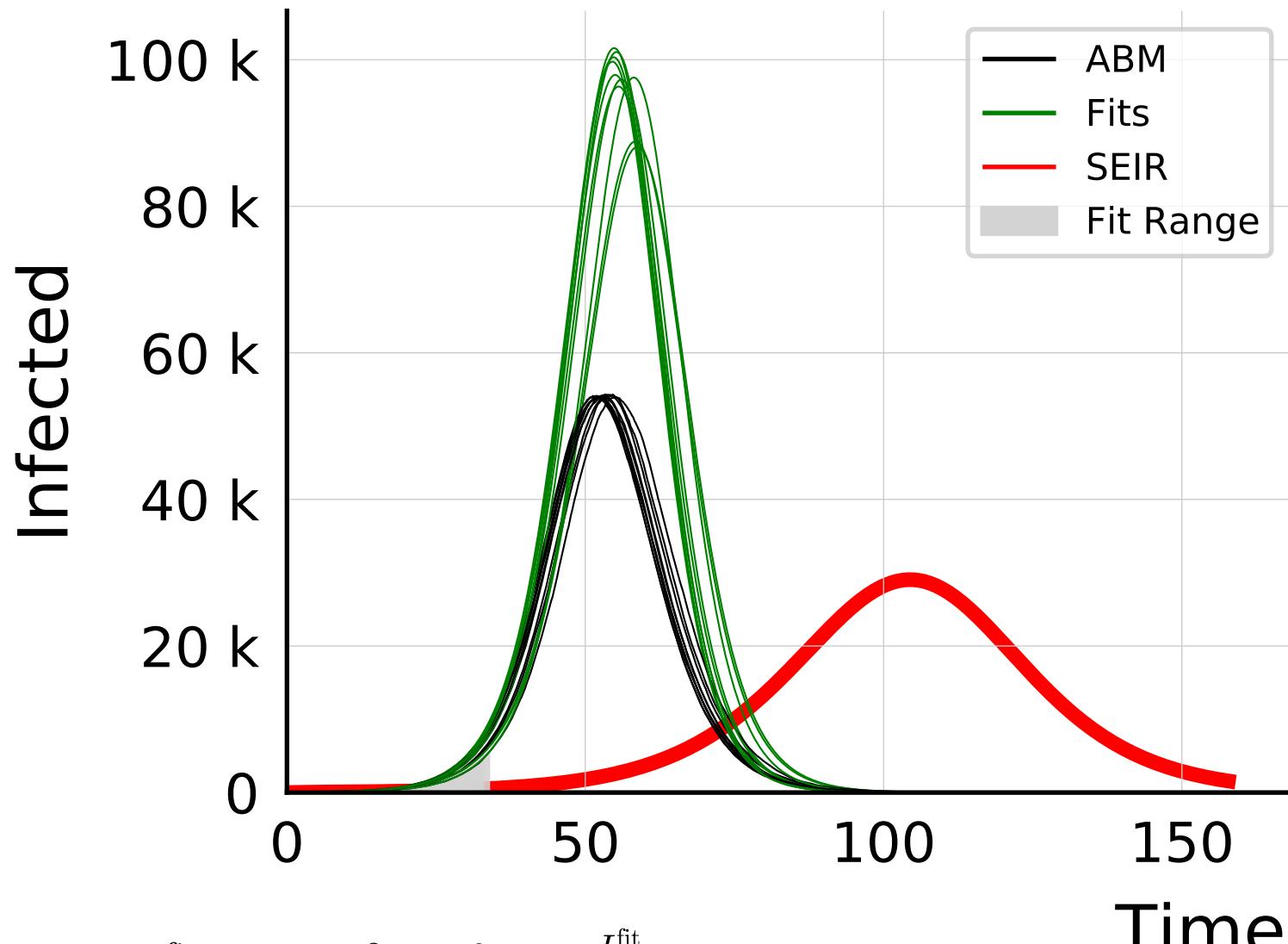
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.75$, $\beta = 0.01$, $\sigma_\beta = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, #10



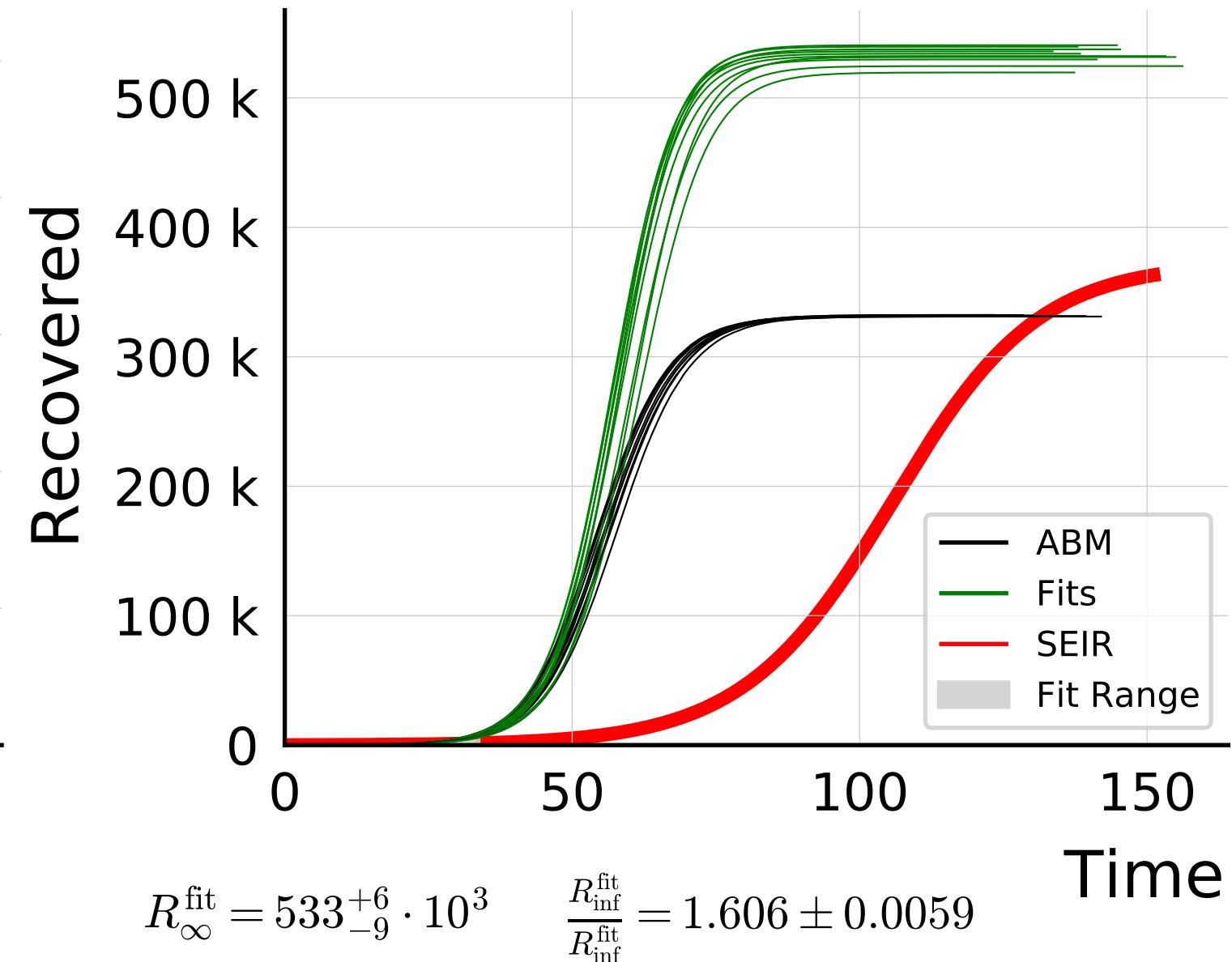
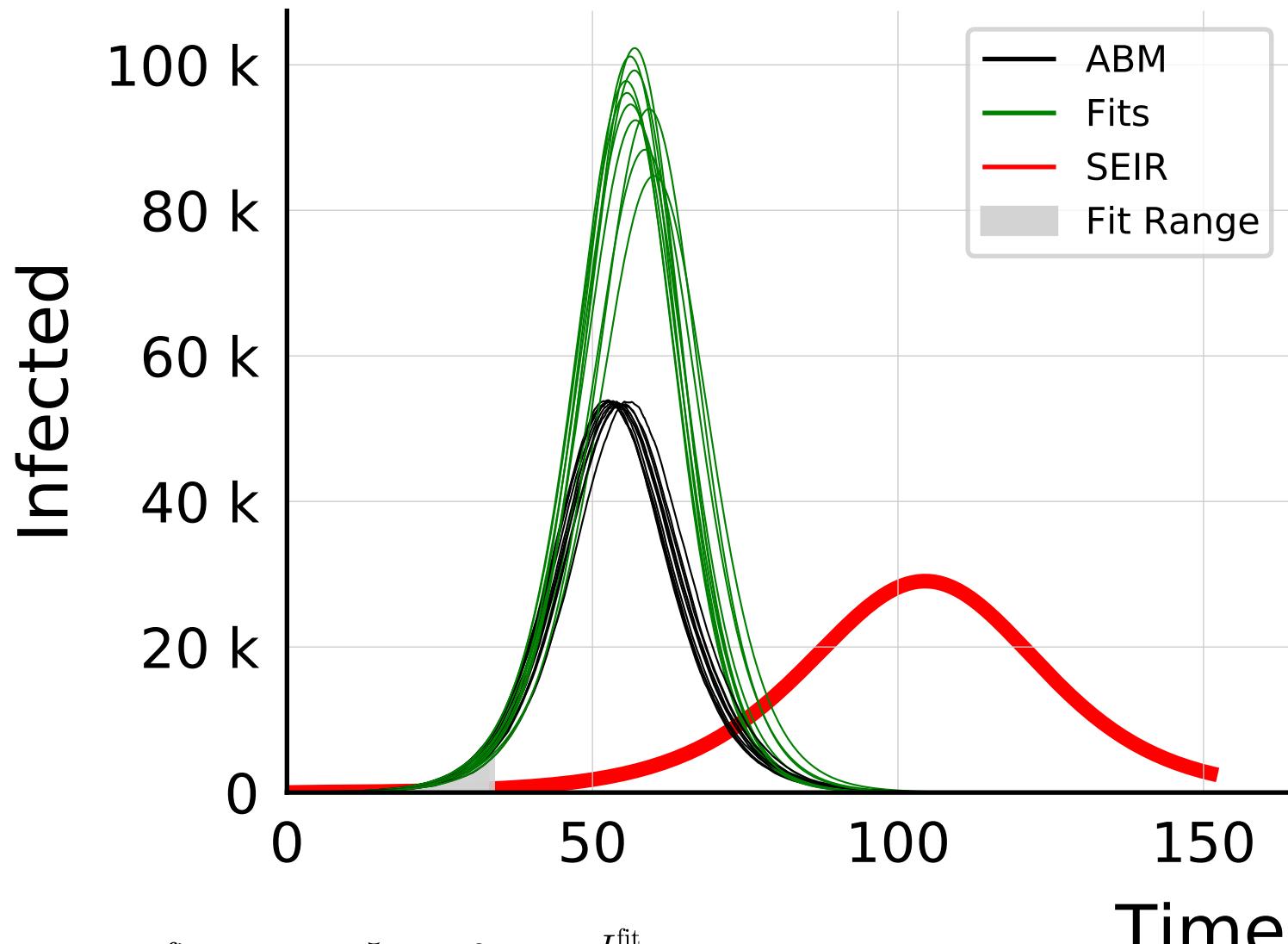
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.75$, $\beta = 0.01$, $\sigma_\beta = 1.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, #10



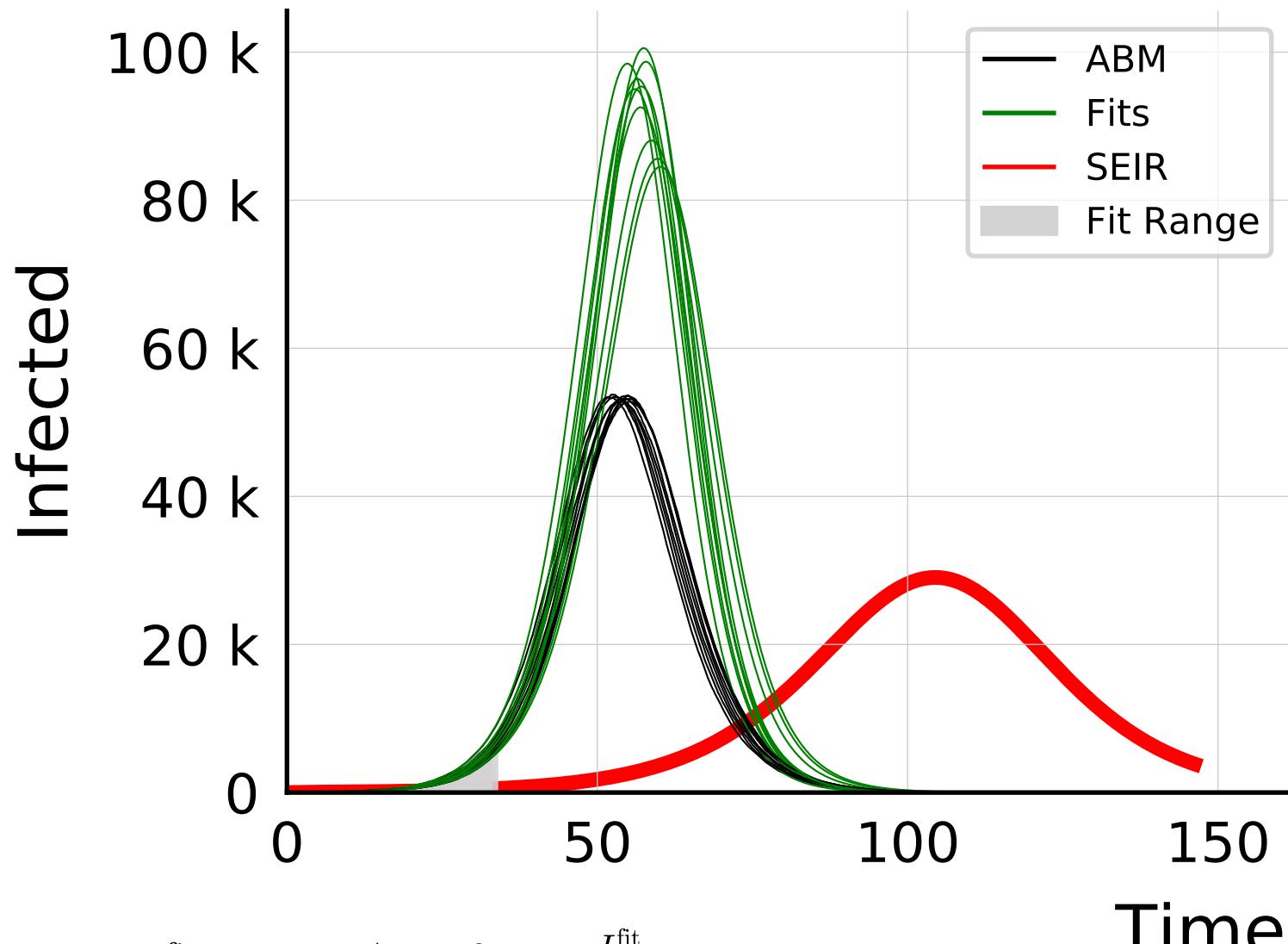
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 1.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, #10



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

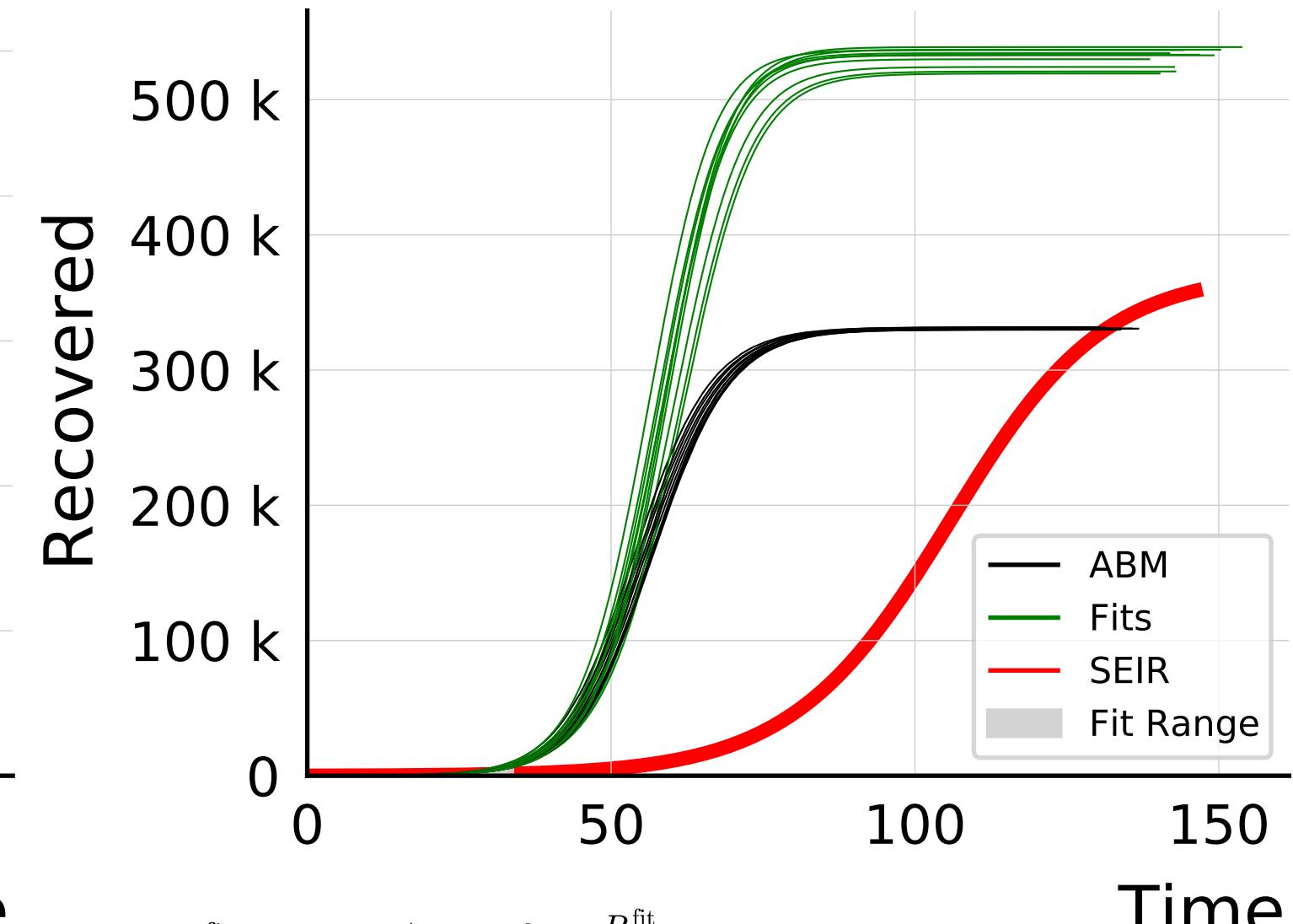


$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 1.0$, $\beta = 0.01$, $\sigma_\beta = 0.5$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, #10



$$I_{\max}^{\text{fit}} = 95_{-9}^{+4} \cdot 10^3$$

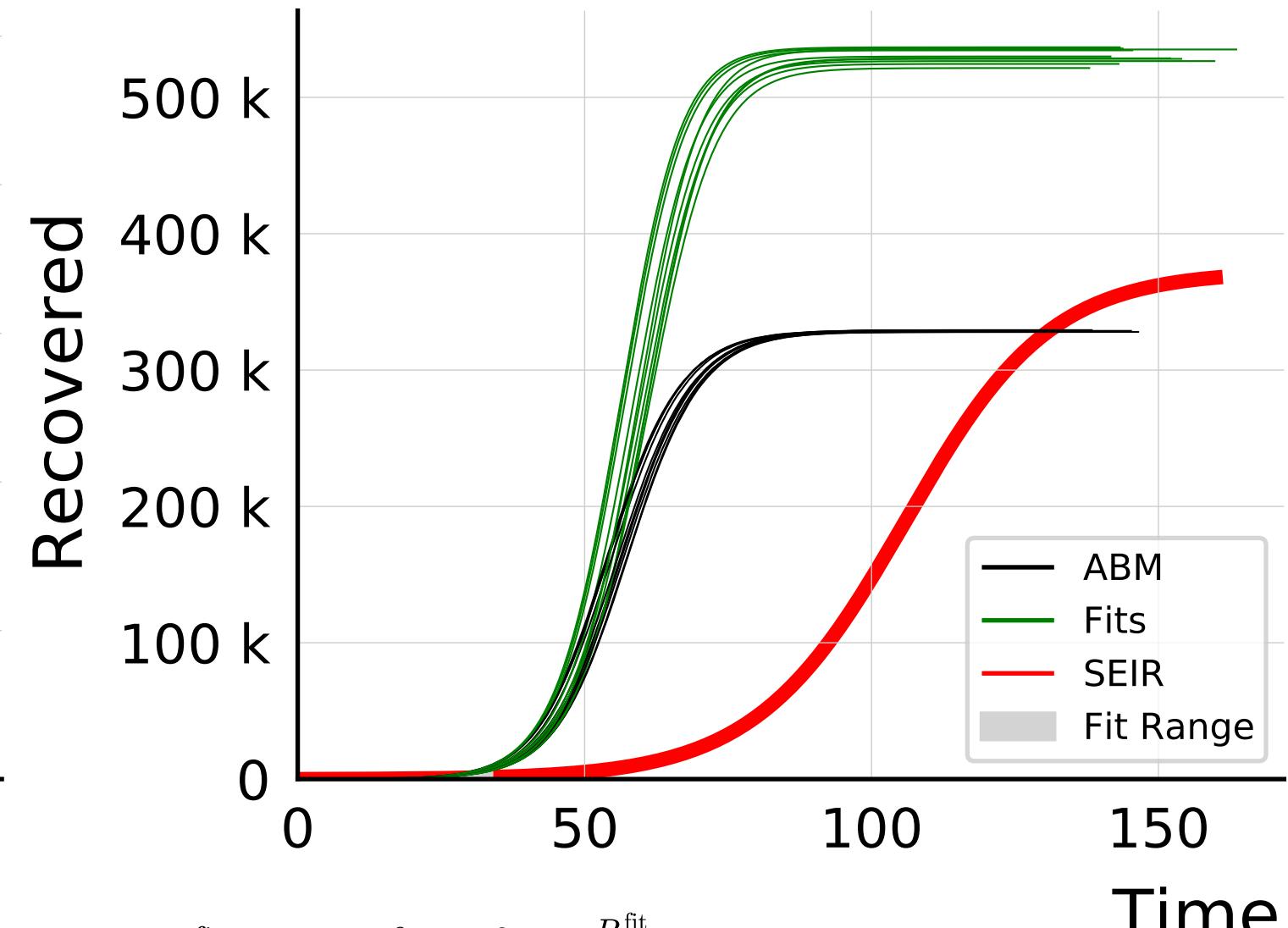
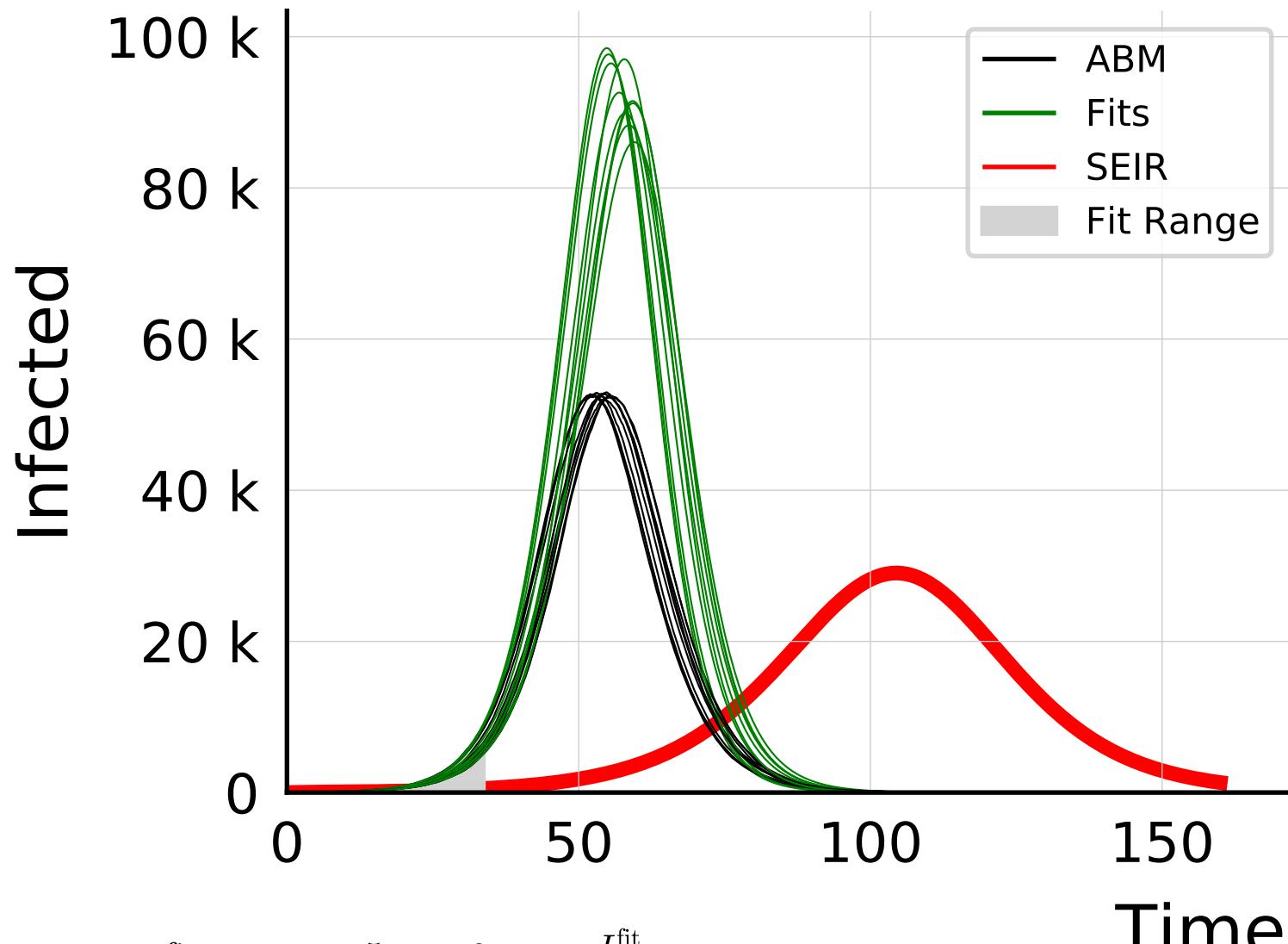
$$\frac{I_{\max}^{\text{fit}}}{I_{\max}^{\text{ABM}}} = 1.75 \pm 0.031$$



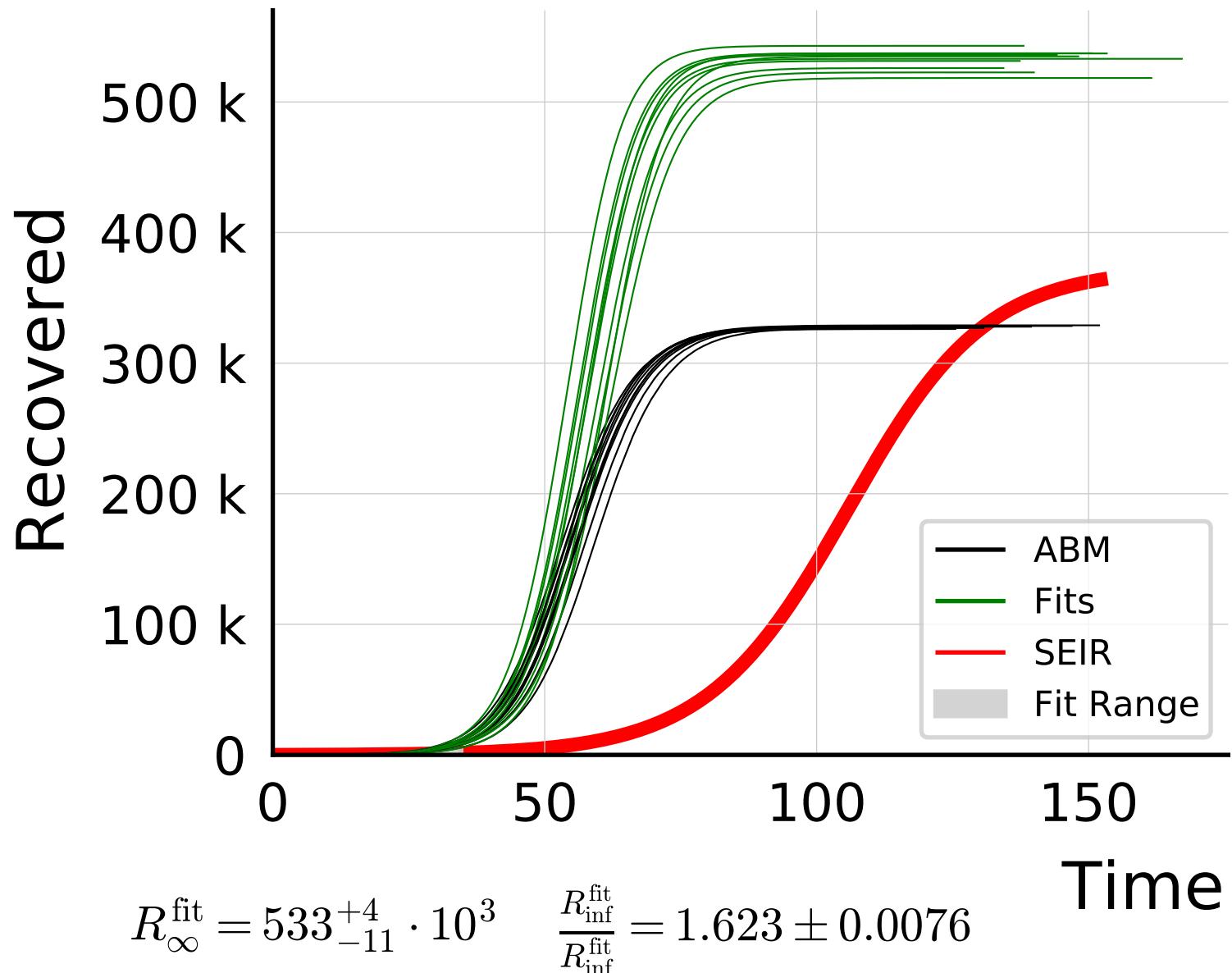
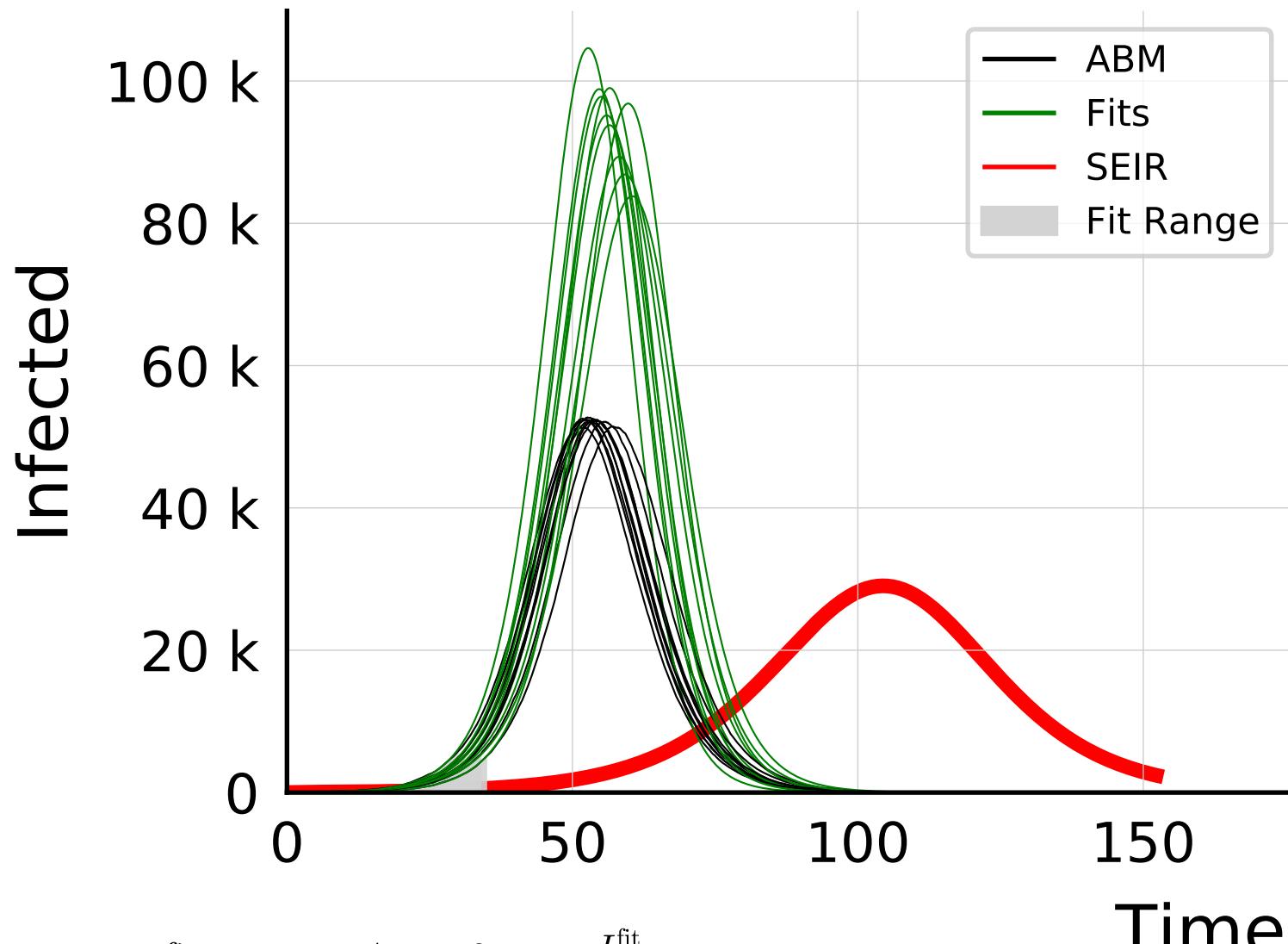
$$R_{\infty}^{\text{fit}} = 533_{-12}^{+4} \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\text{inf}}^{\text{fit}}} = 1.605 \pm 0.0063$$

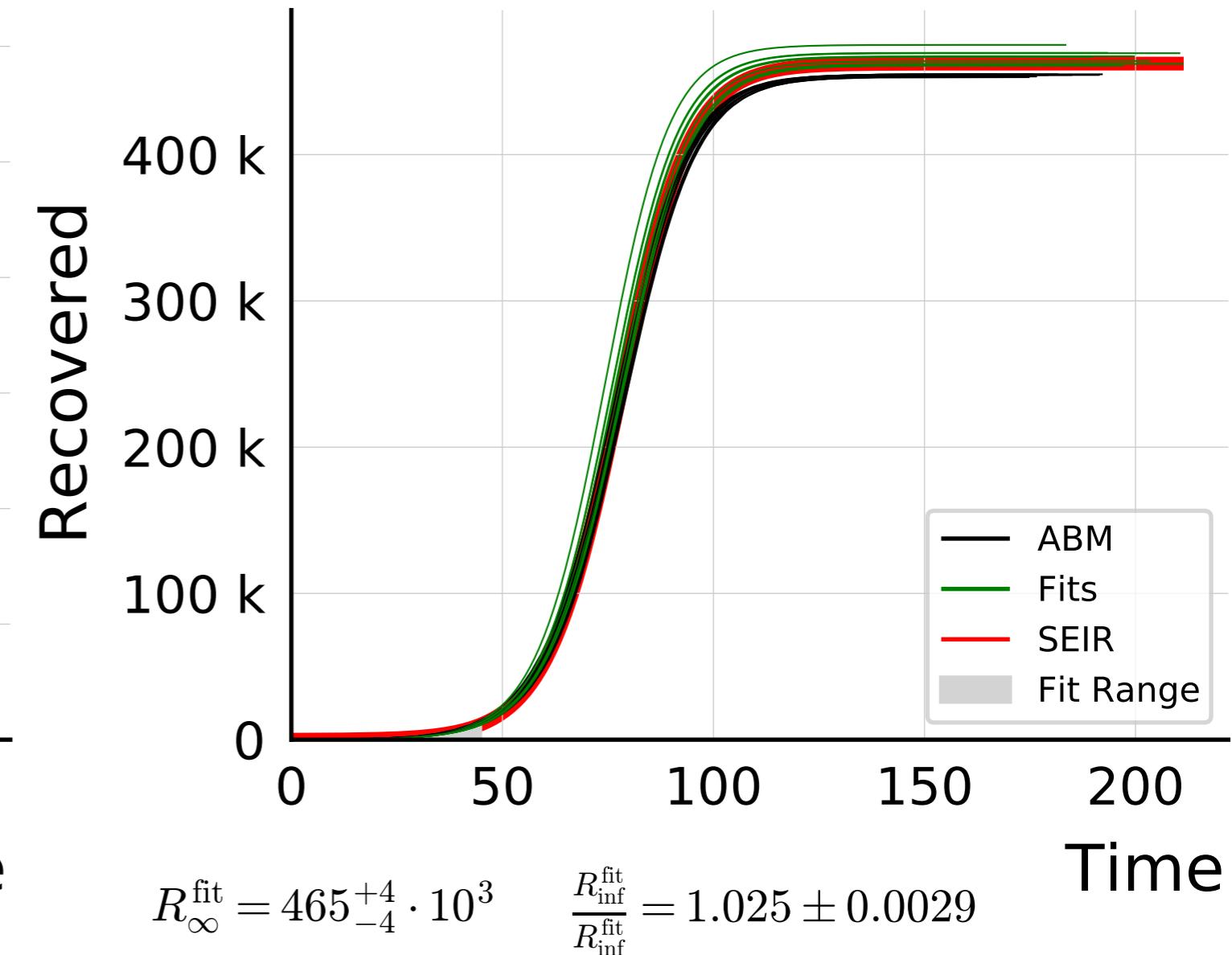
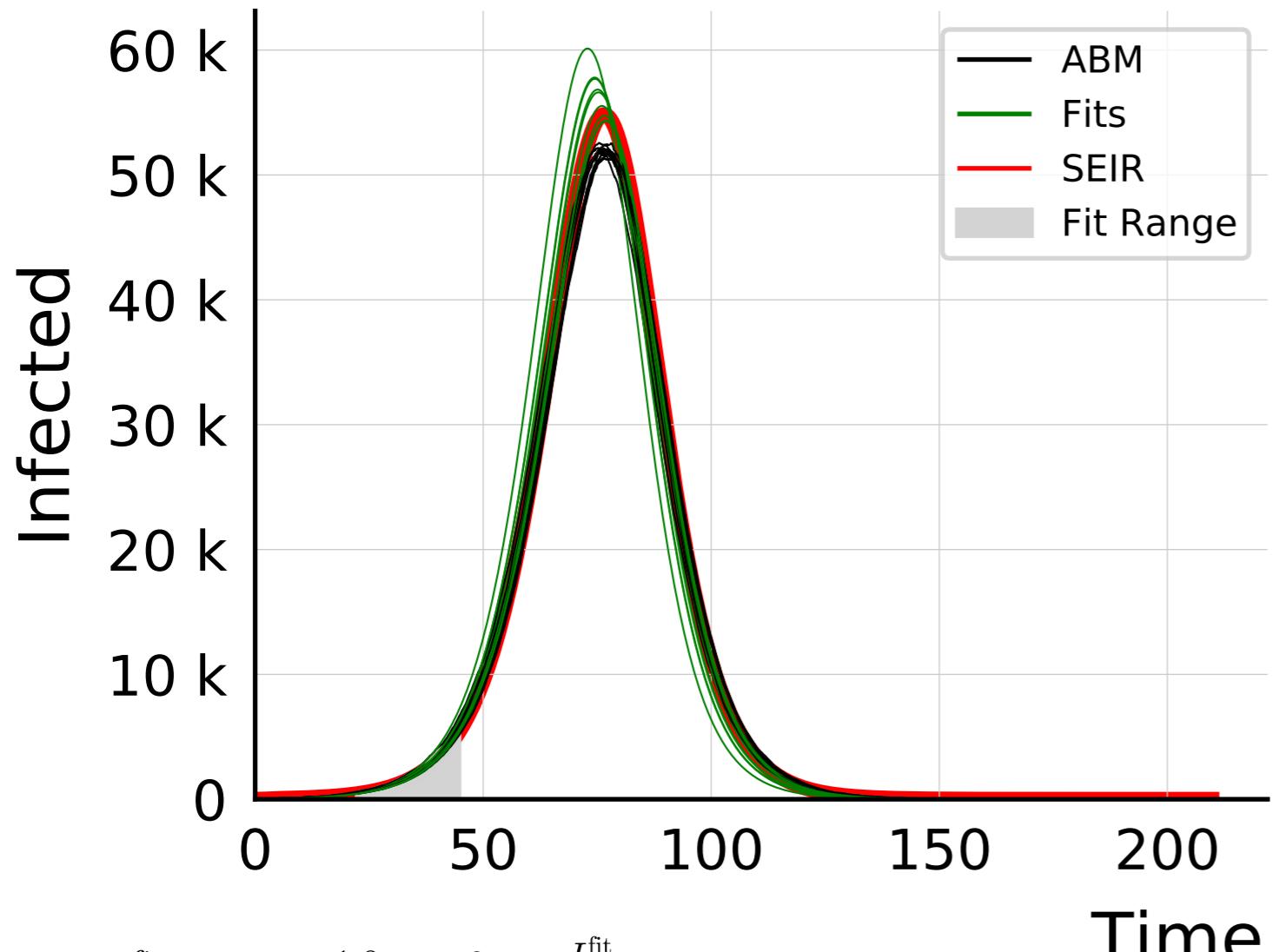
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 1.0$, $\beta = 0.01$, $\sigma_\beta = 0.75$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, #10



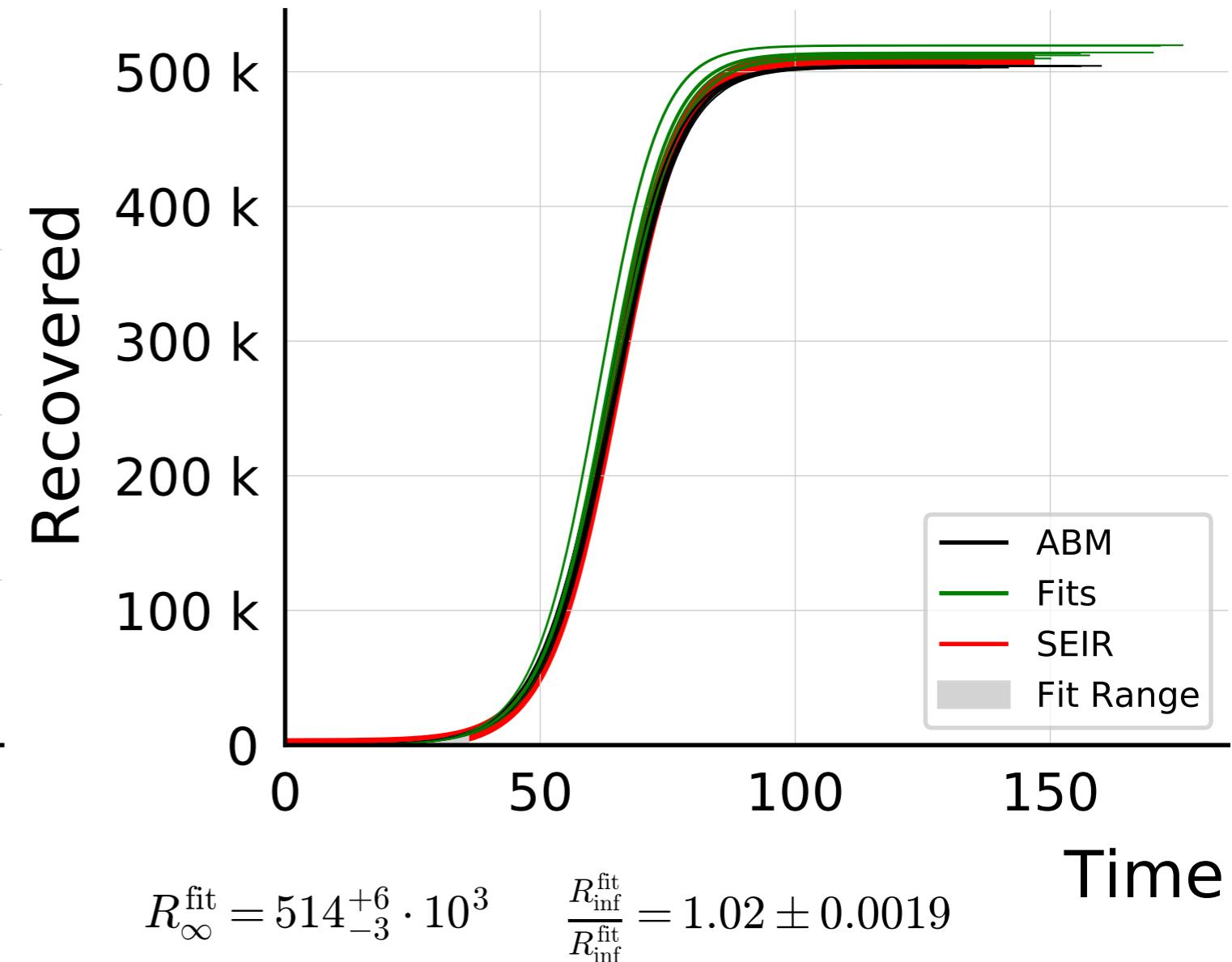
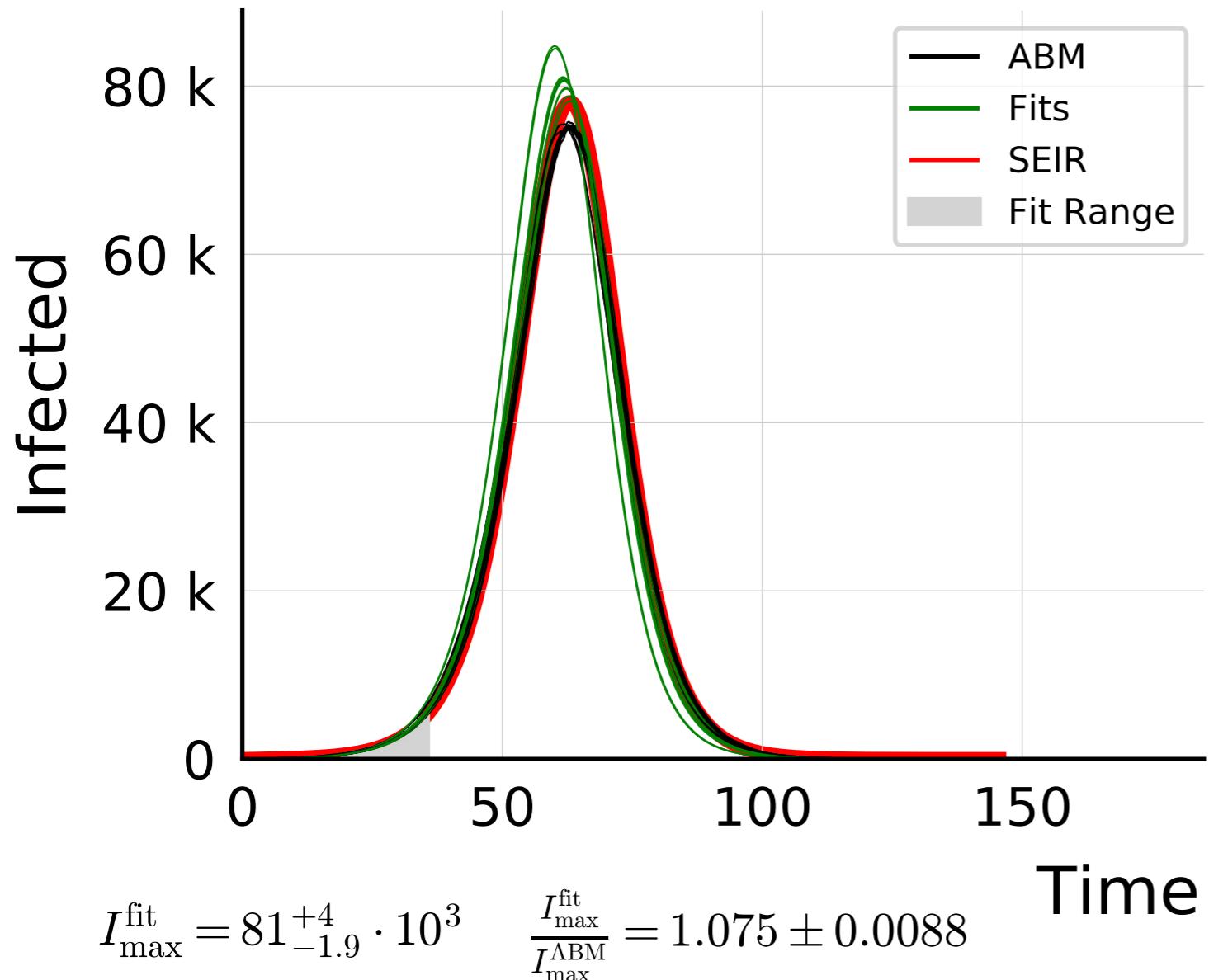
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 1.0$, $\beta = 0.01$, $\sigma_\beta = 1.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, #10



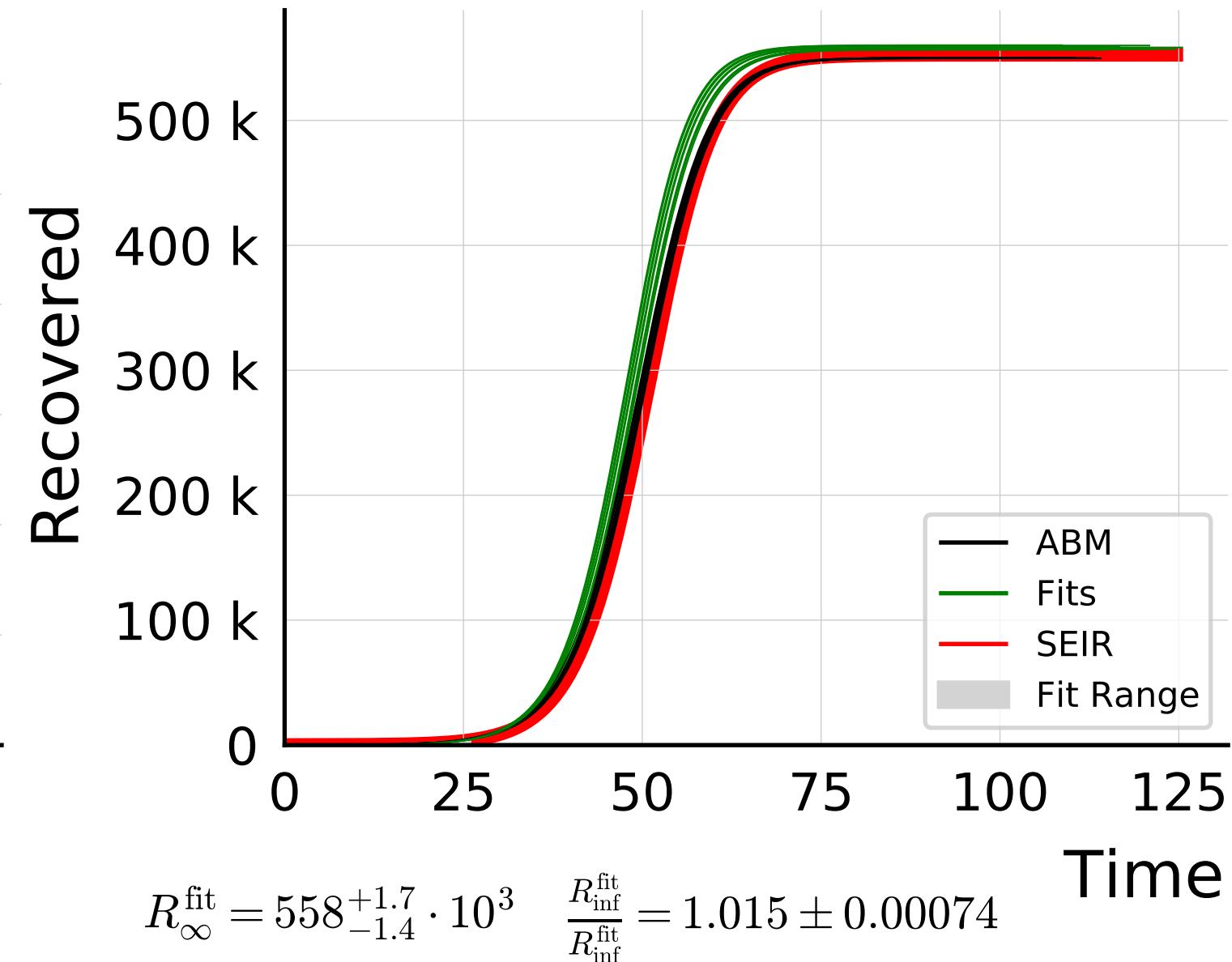
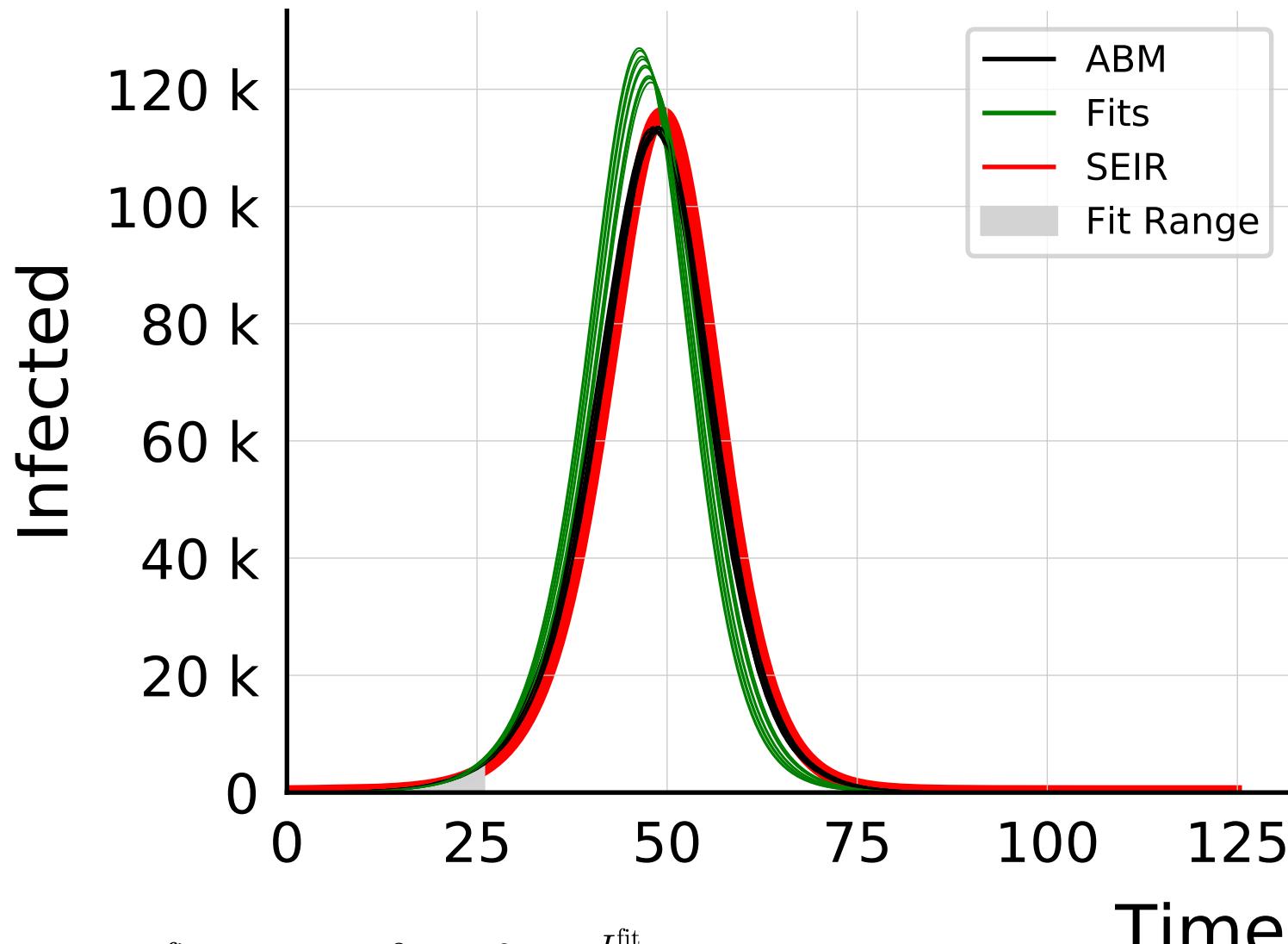
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 50.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, #10



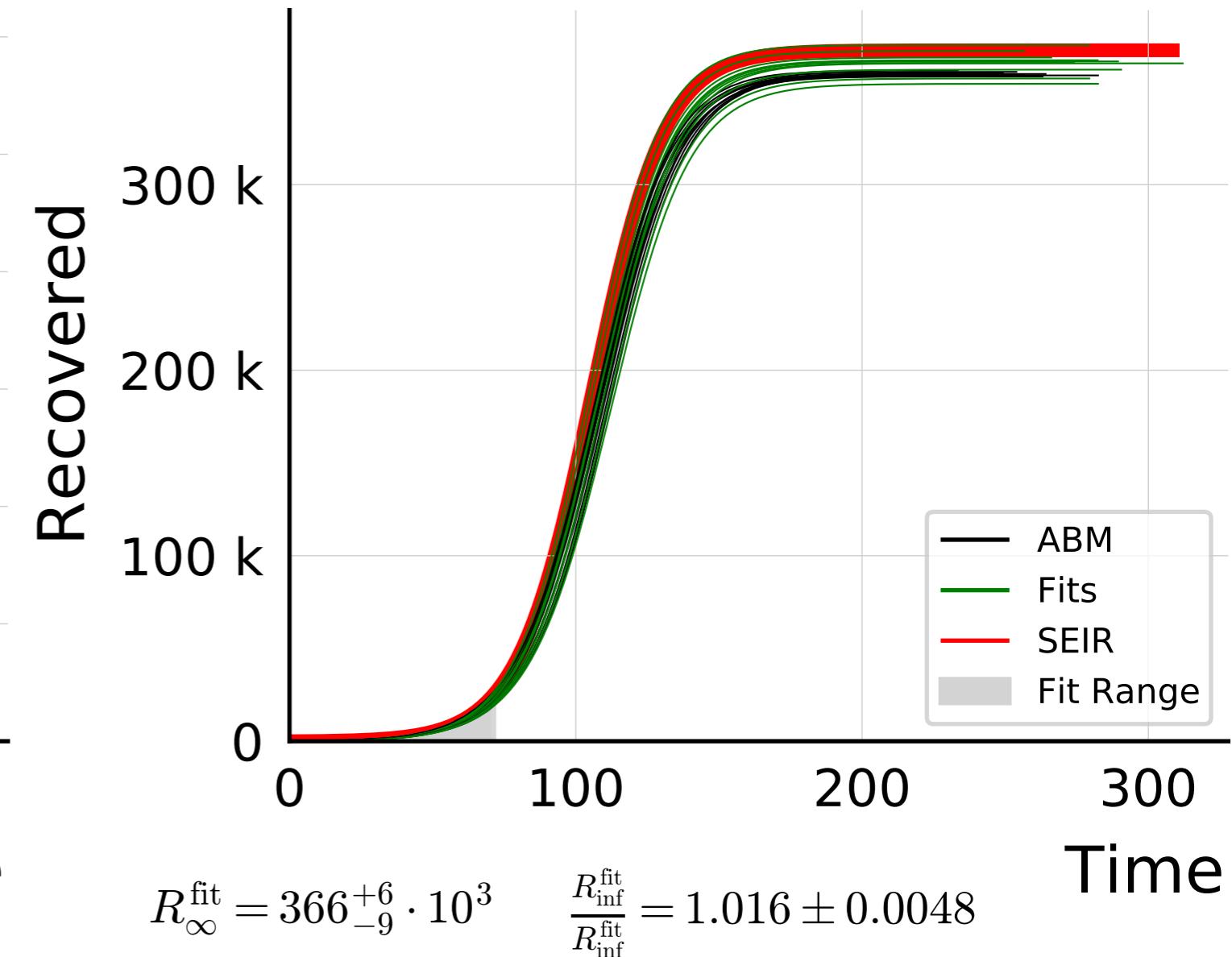
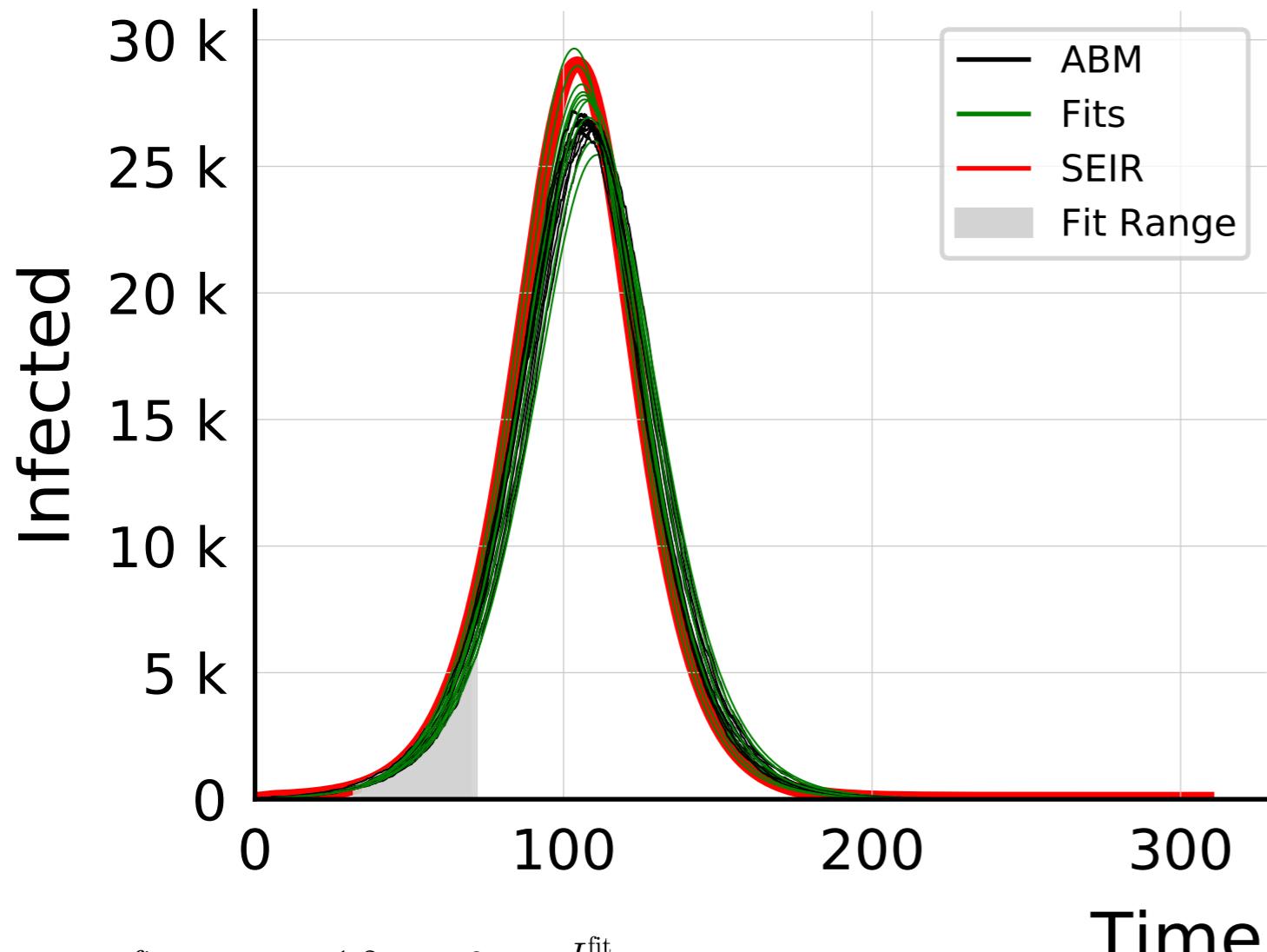
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 60.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, #10



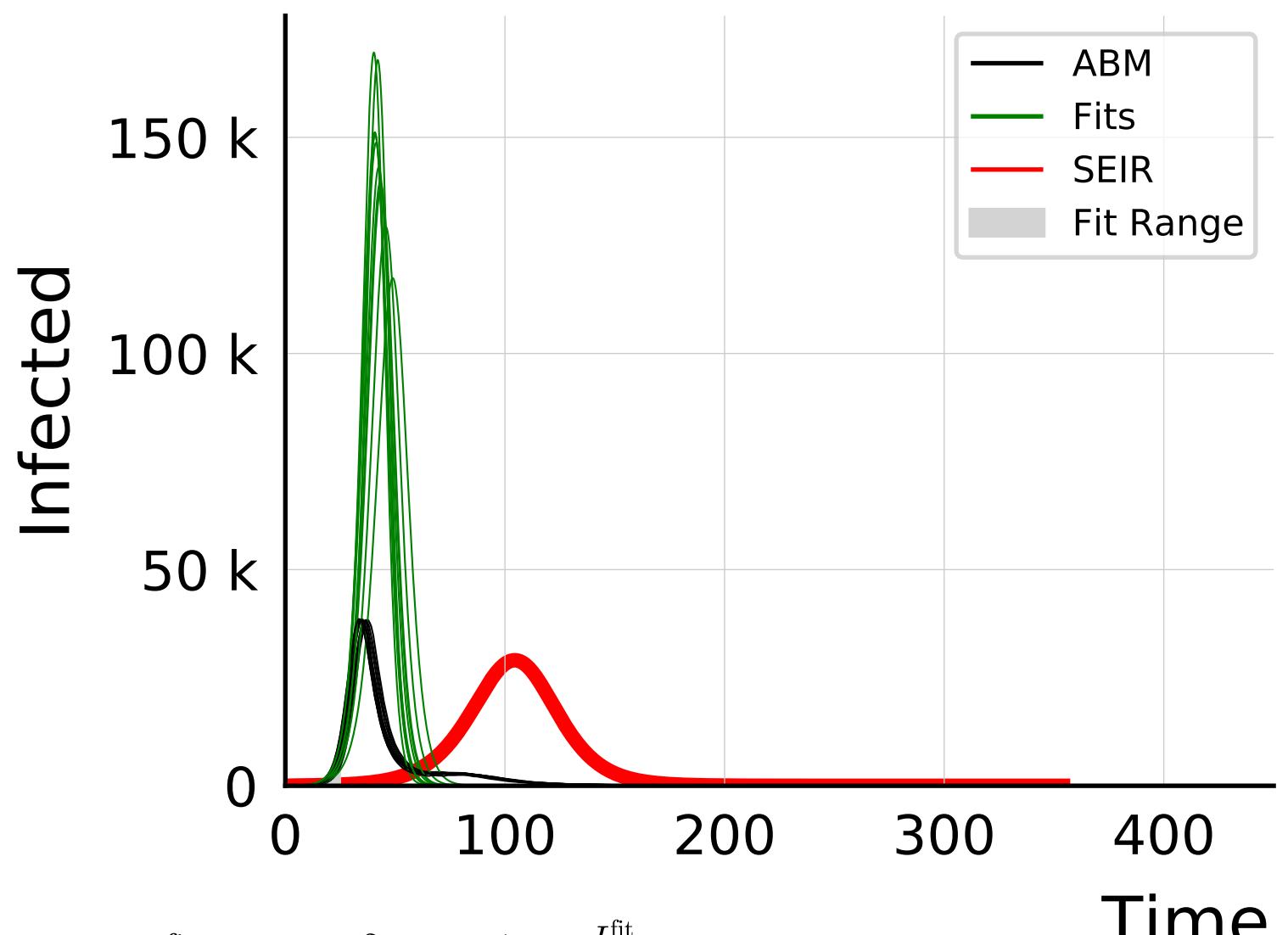
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 80.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, #10



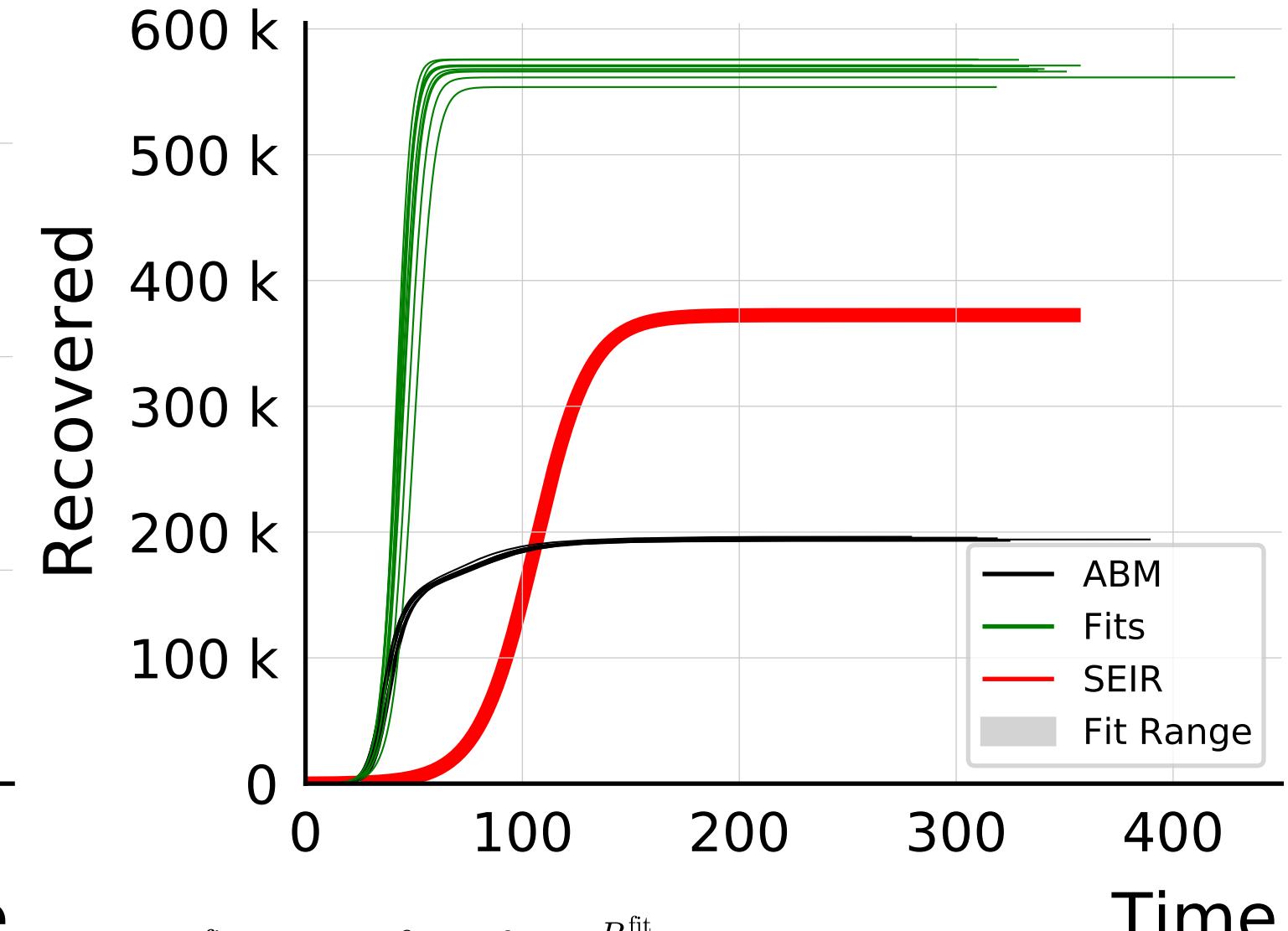
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.0$, $\epsilon_\rho = 0.0$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, #10



$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.15$, $\epsilon_\rho = 0.02$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, #10

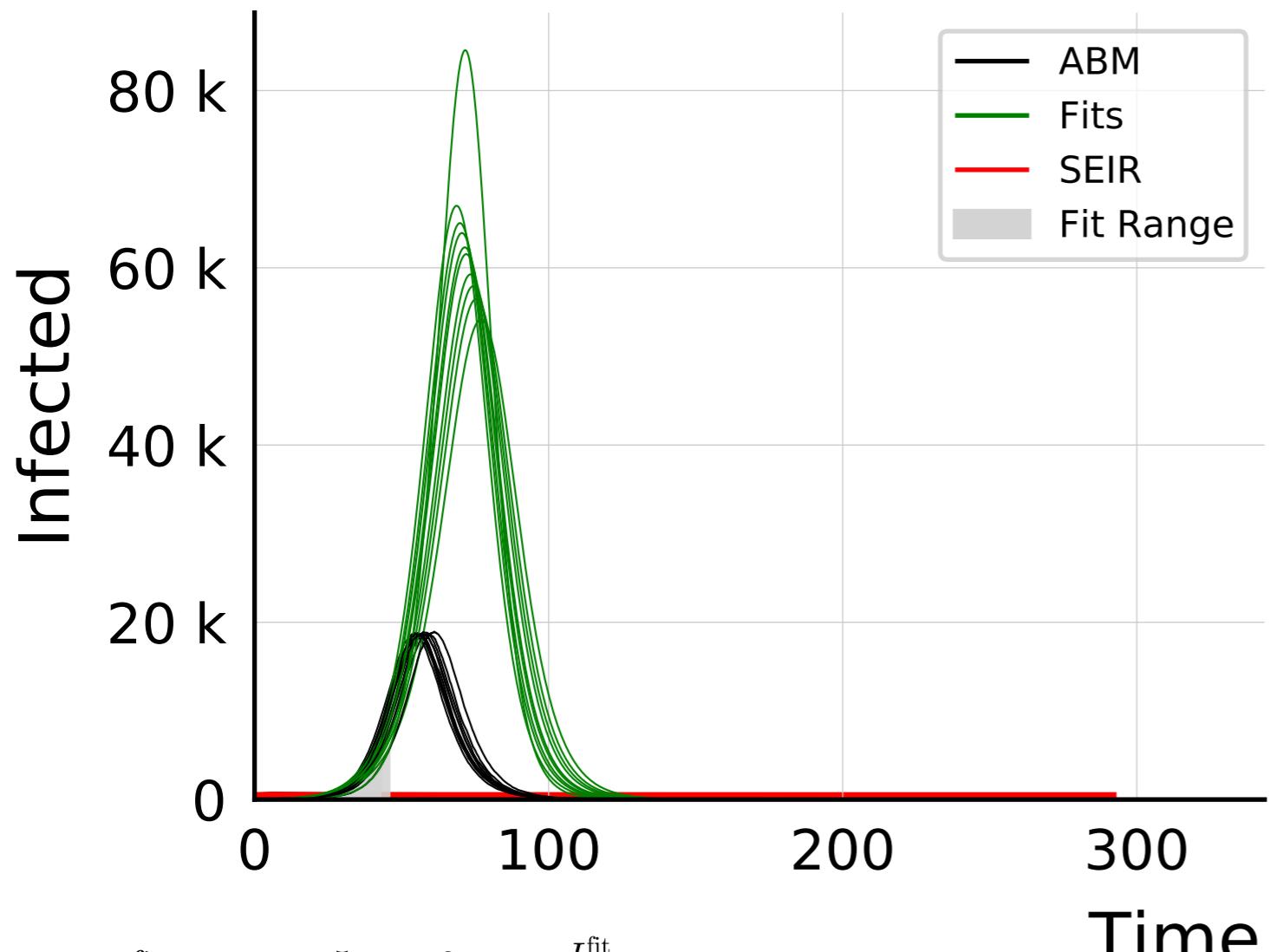


$$I_{\max}^{\text{fit}} = 15^{+2}_{-1.7} \cdot 10^4 \quad \frac{I_{\max}^{\text{fit}}}{I_{\max}^{\text{ABM}}} = 3.8 \pm 0.12$$



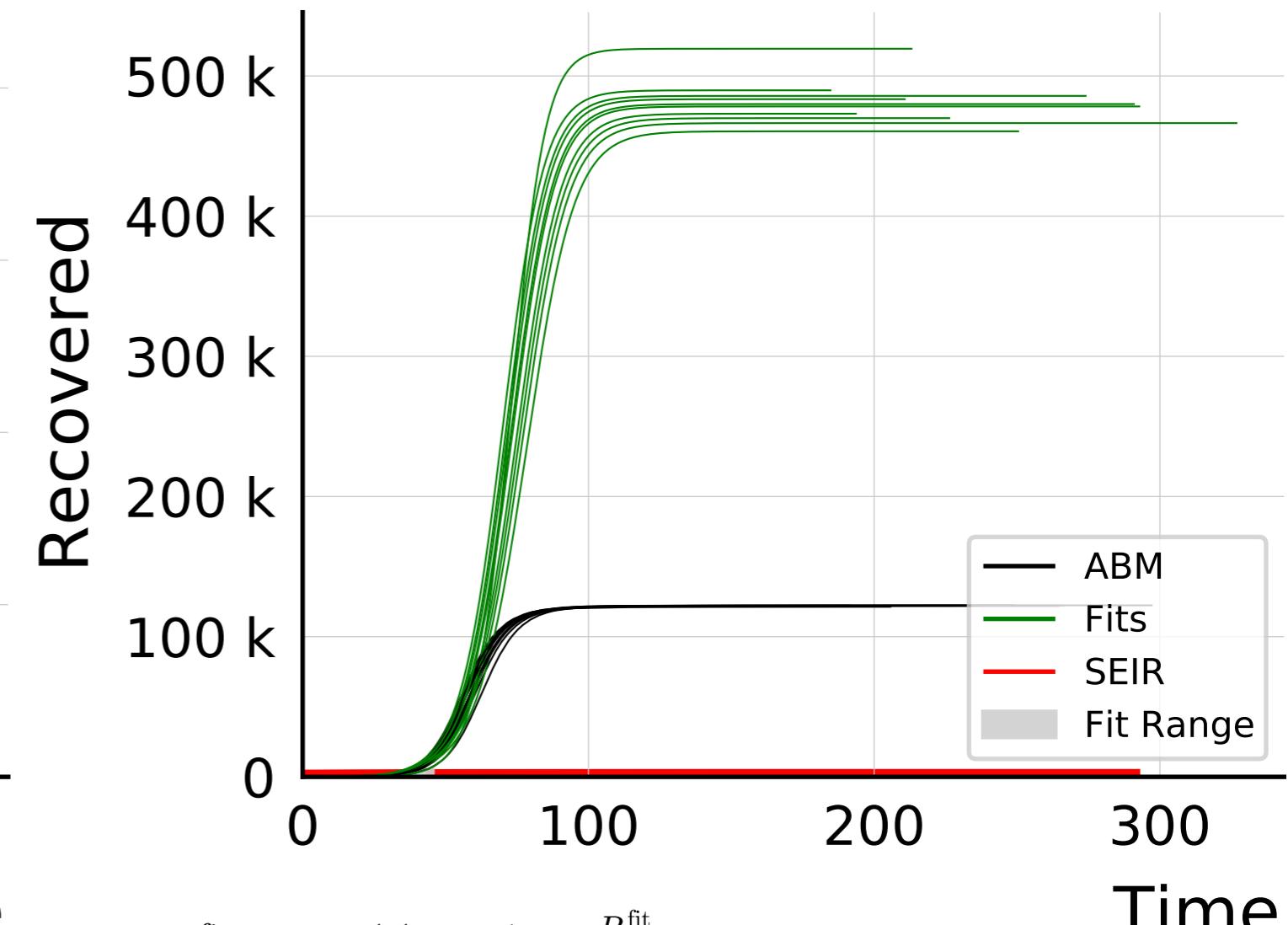
$$R_{\infty}^{\text{fit}} = 569^{+6}_{-8} \cdot 10^3 \quad \frac{R_{\infty}^{\text{fit}}}{R_{\text{inf}}^{\text{fit}}} = 2.916 \pm 0.0098$$

$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.15$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.005$, $\sigma_\beta = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, #10



$$I_{\max}^{\text{fit}} = 62^{+5}_{-5} \cdot 10^3$$

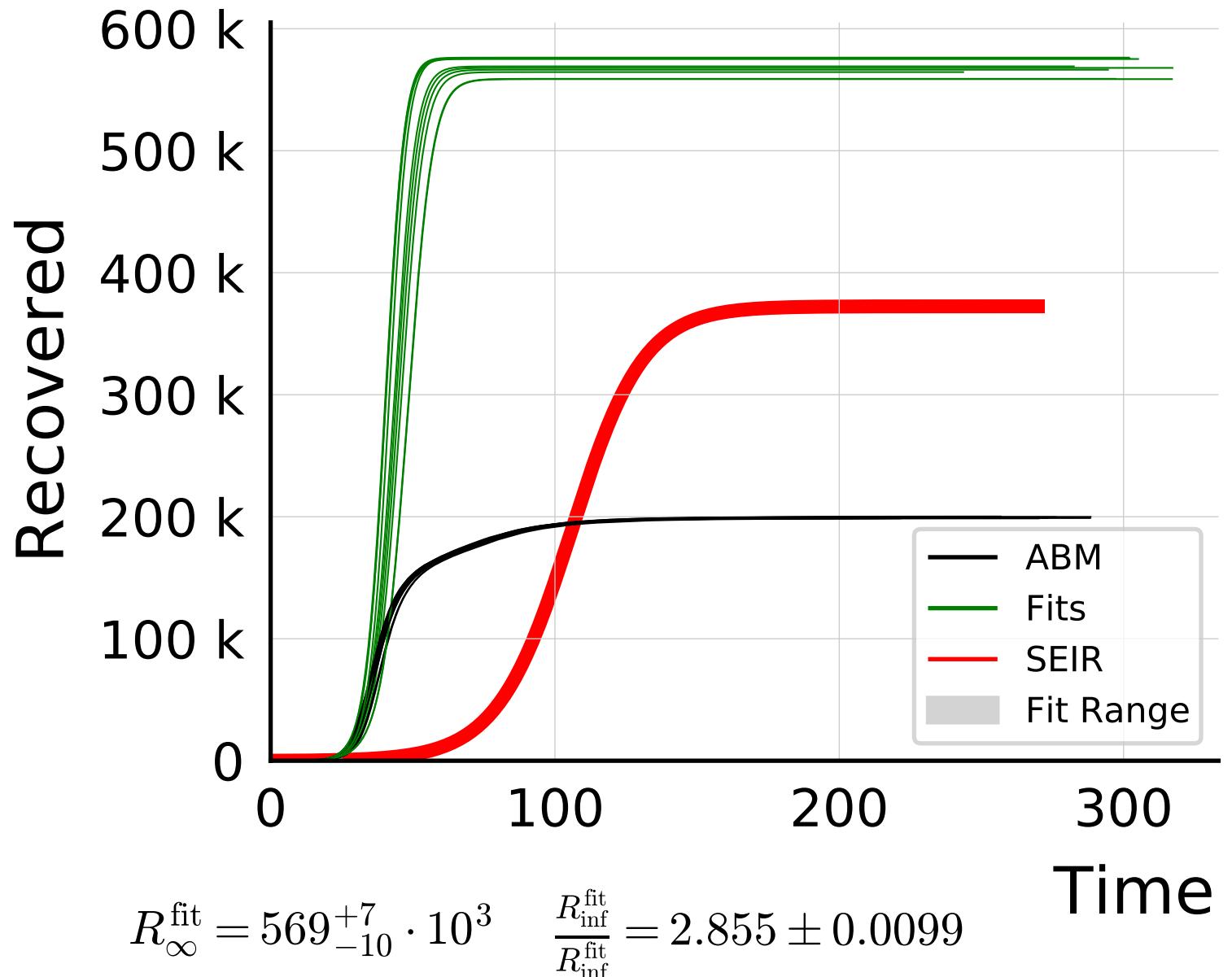
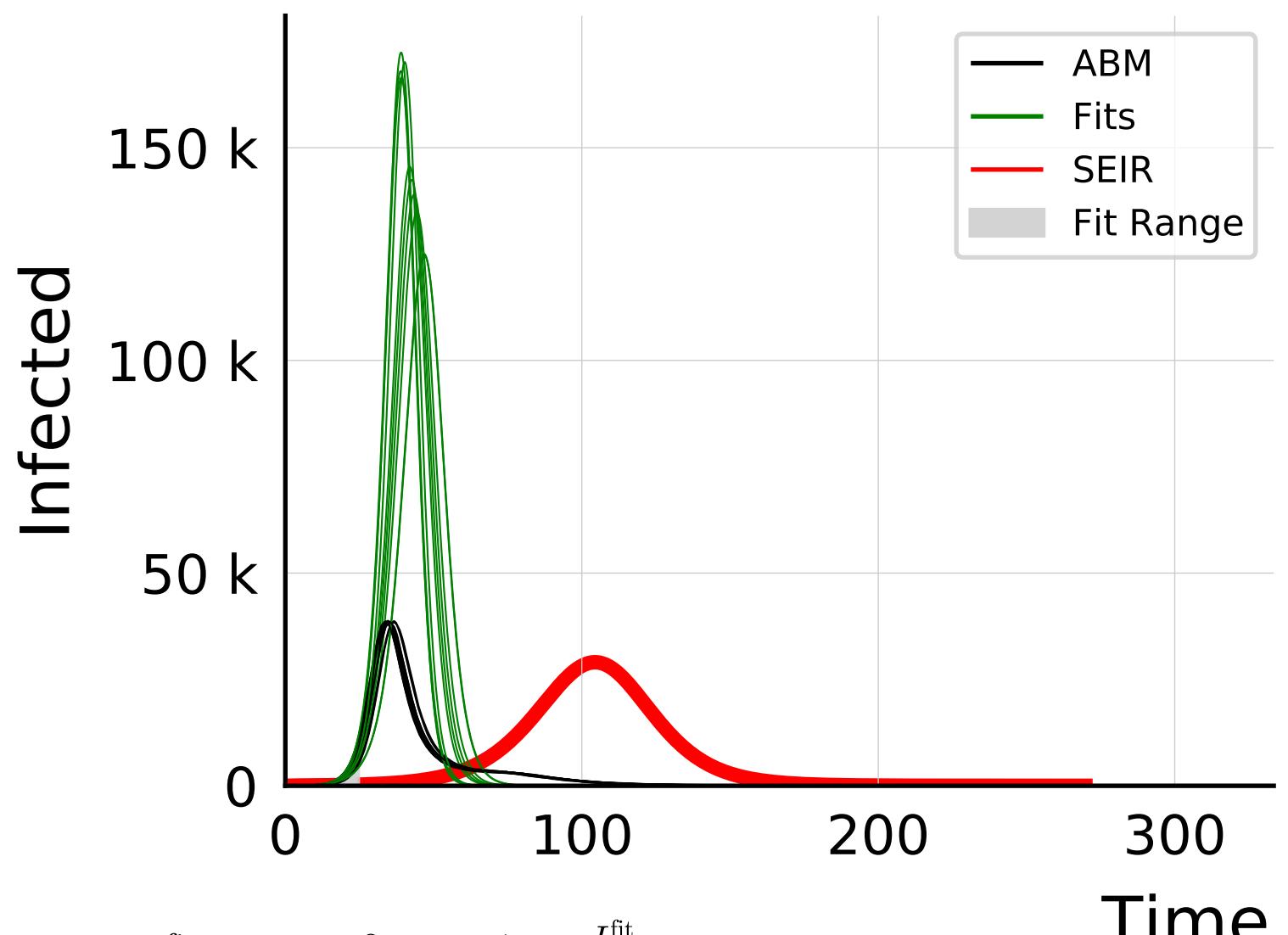
$$\frac{I_{\max}^{\text{fit}}}{I_{\max}^{\text{ABM}}} = 3.4 \pm 0.13$$



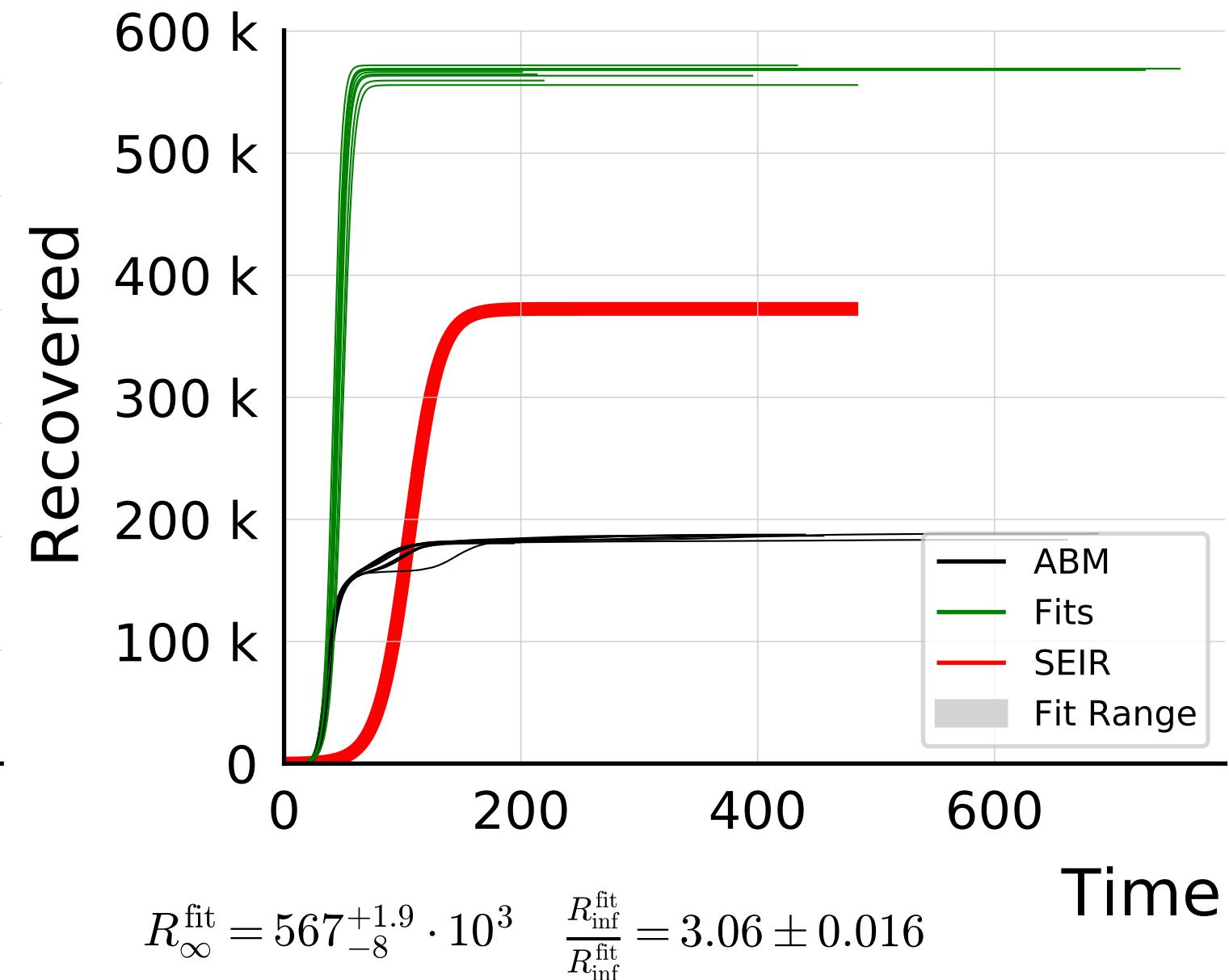
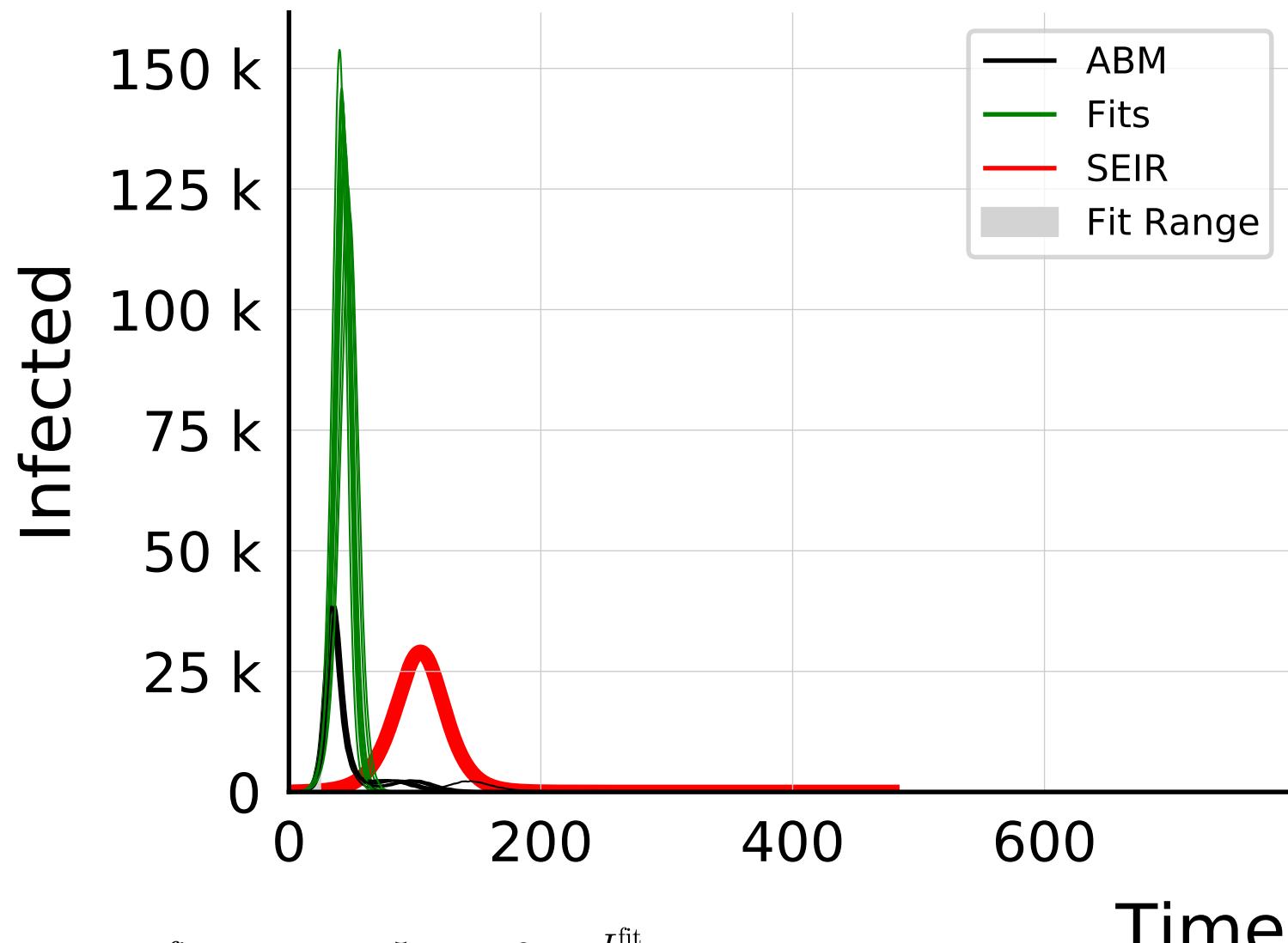
$$R_{\infty}^{\text{fit}} = 48^{+1.1}_{-1.2} \cdot 10^4$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\text{inf}}^{\text{fit}}} = 3.94 \pm 0.040$$

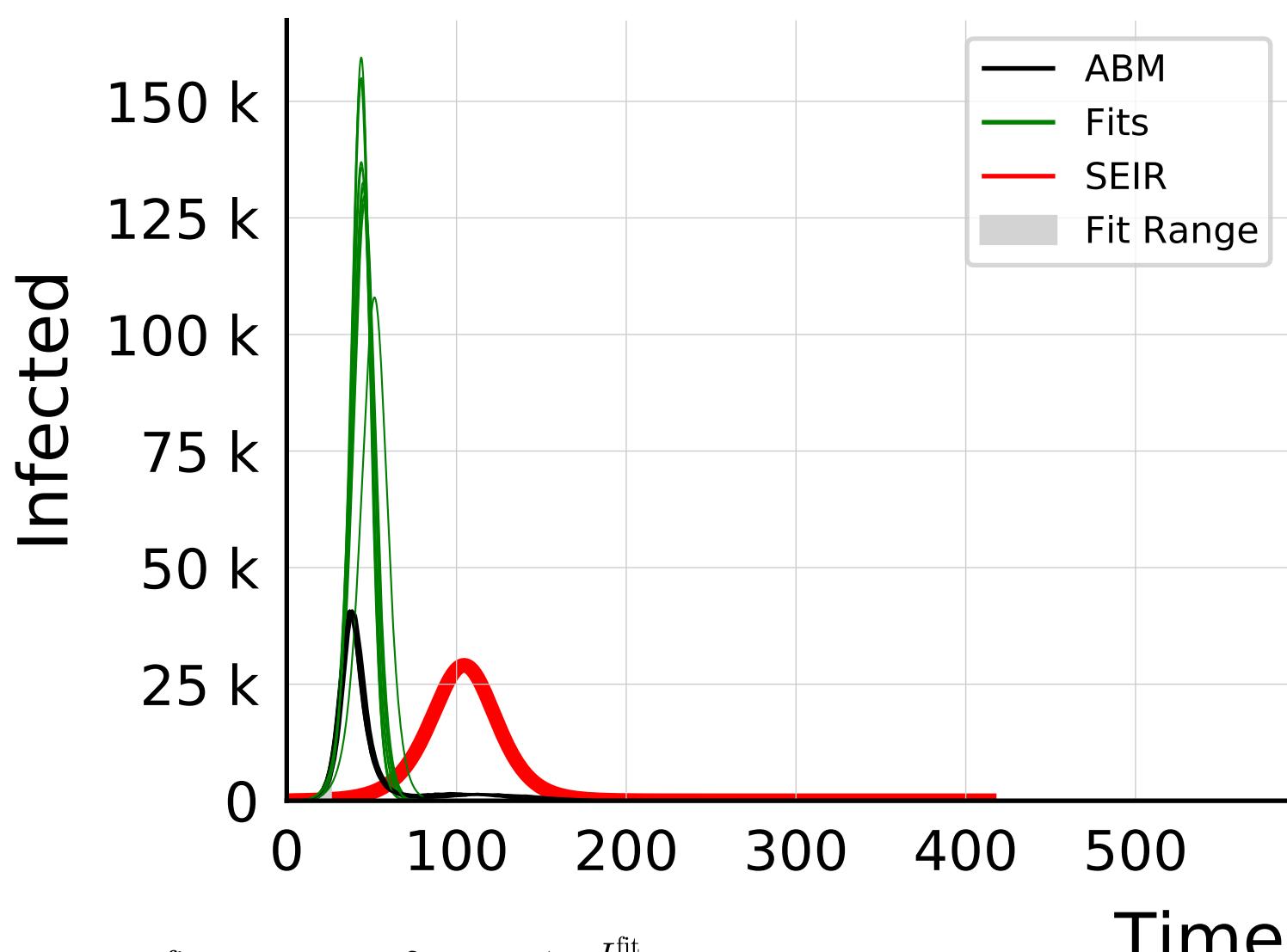
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.15$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, #10



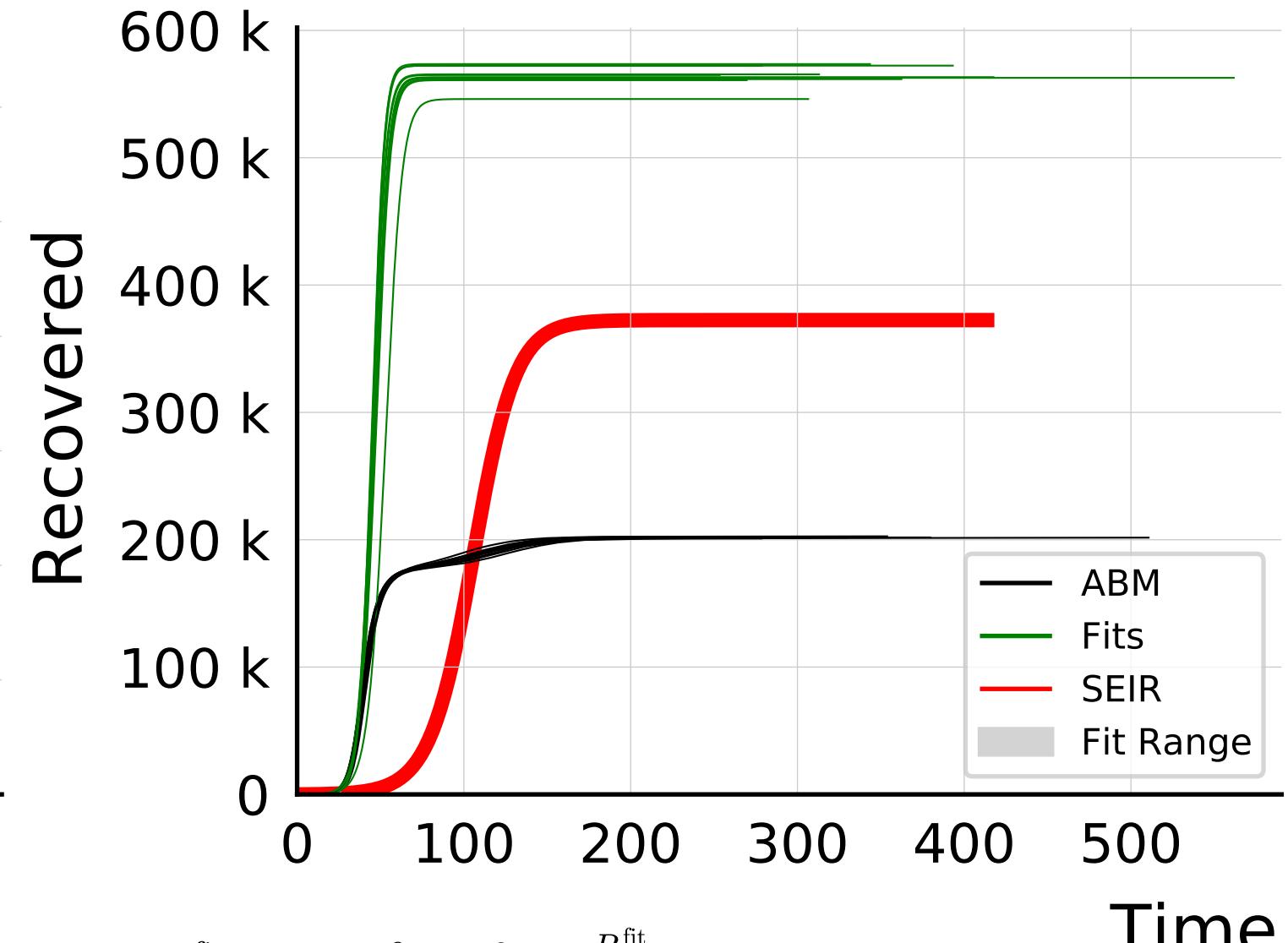
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.15$, $\epsilon_\rho = 0.0$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, #10



$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.1$, $\epsilon_\rho = 0.005$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, #10

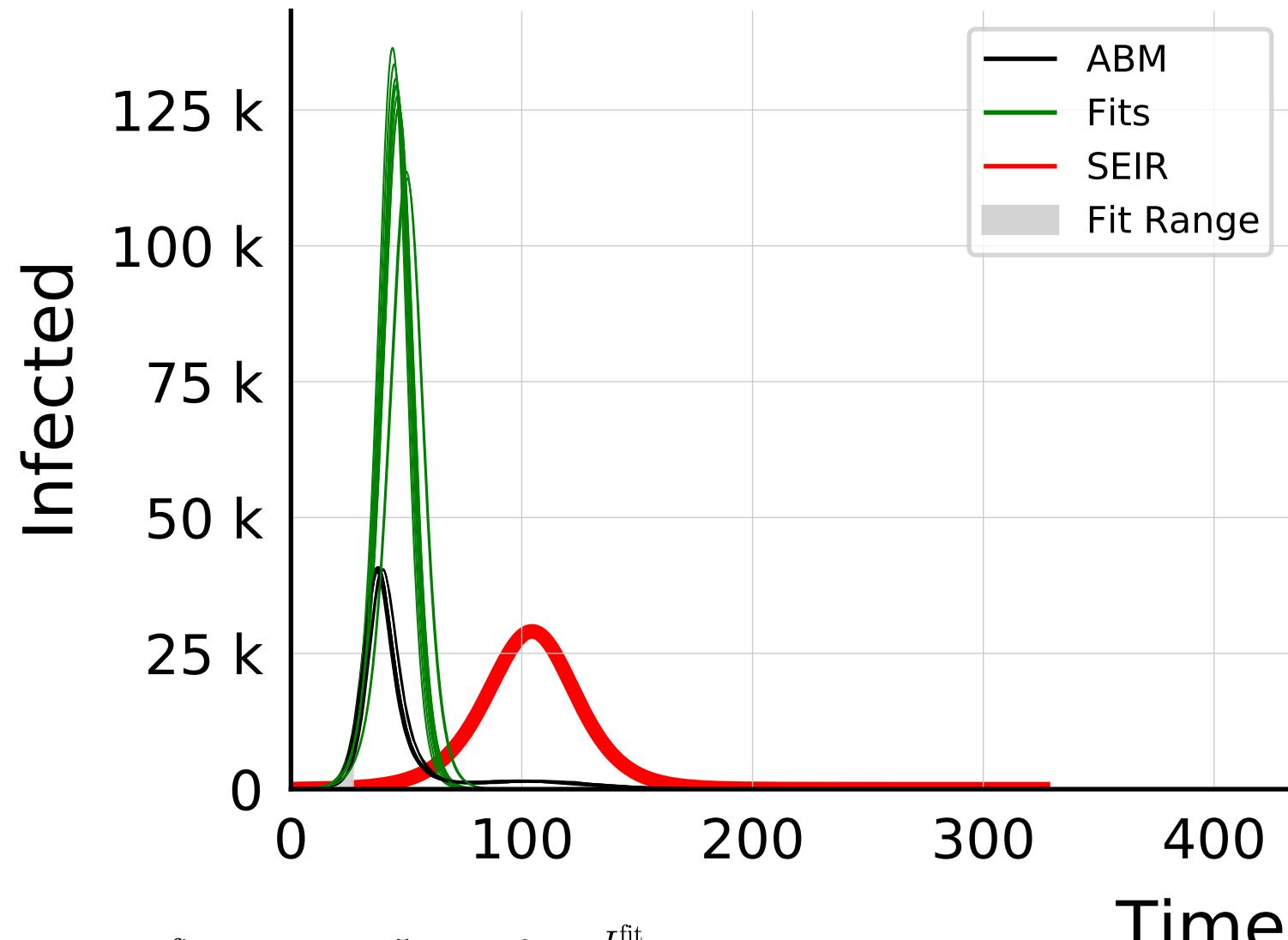


$$I_{\max}^{\text{fit}} = 13.4^{+2}_{-0.6} \cdot 10^4 \quad \frac{I_{\max}^{\text{fit}}}{I_{\max}^{\text{ABM}}} = 3.4 \pm 0.11$$

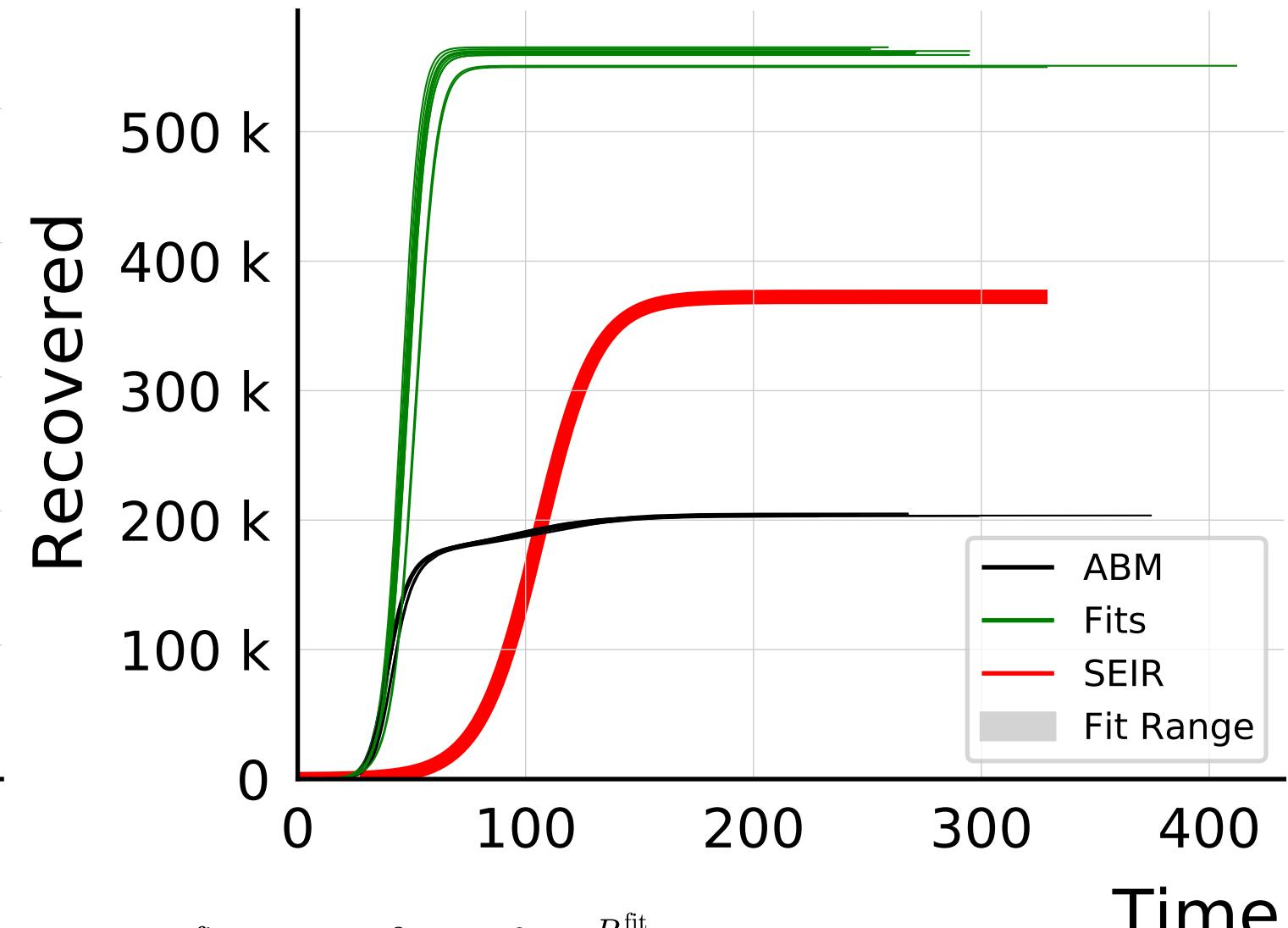


$$R_{\infty}^{\text{fit}} = 564^{+9}_{-3} \cdot 10^3 \quad \frac{R_{\text{inf}}^{\text{fit}}}{R_{\infty}^{\text{fit}}} = 2.8 \pm 0.011$$

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

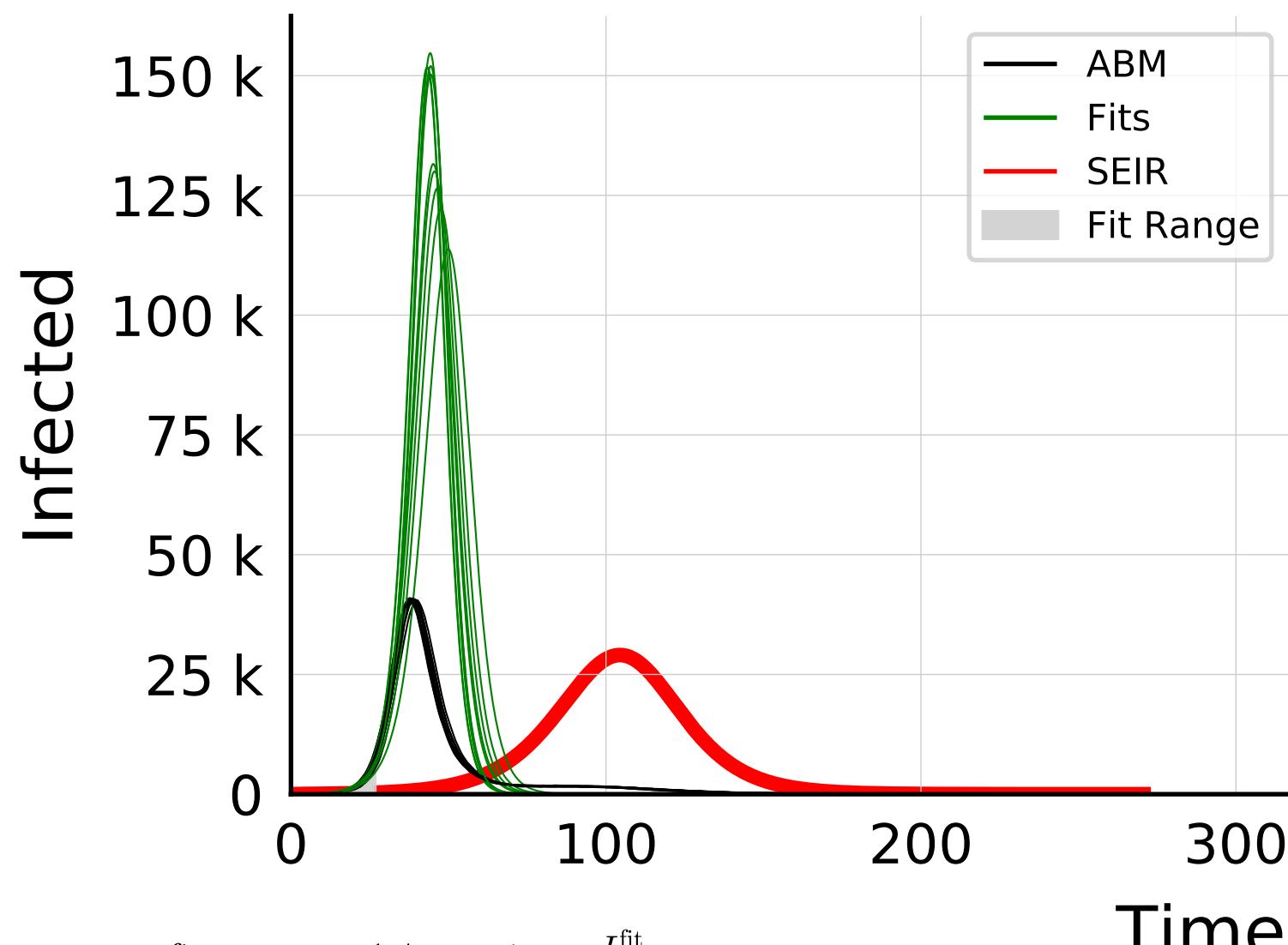


$$I_{\max}^{\text{fit}} = 128_{-15}^{+5} \cdot 10^3 \quad \frac{I_{\max}^{\text{fit}}}{I_{\max}^{\text{ABM}}} = 3.11 \pm 0.057$$

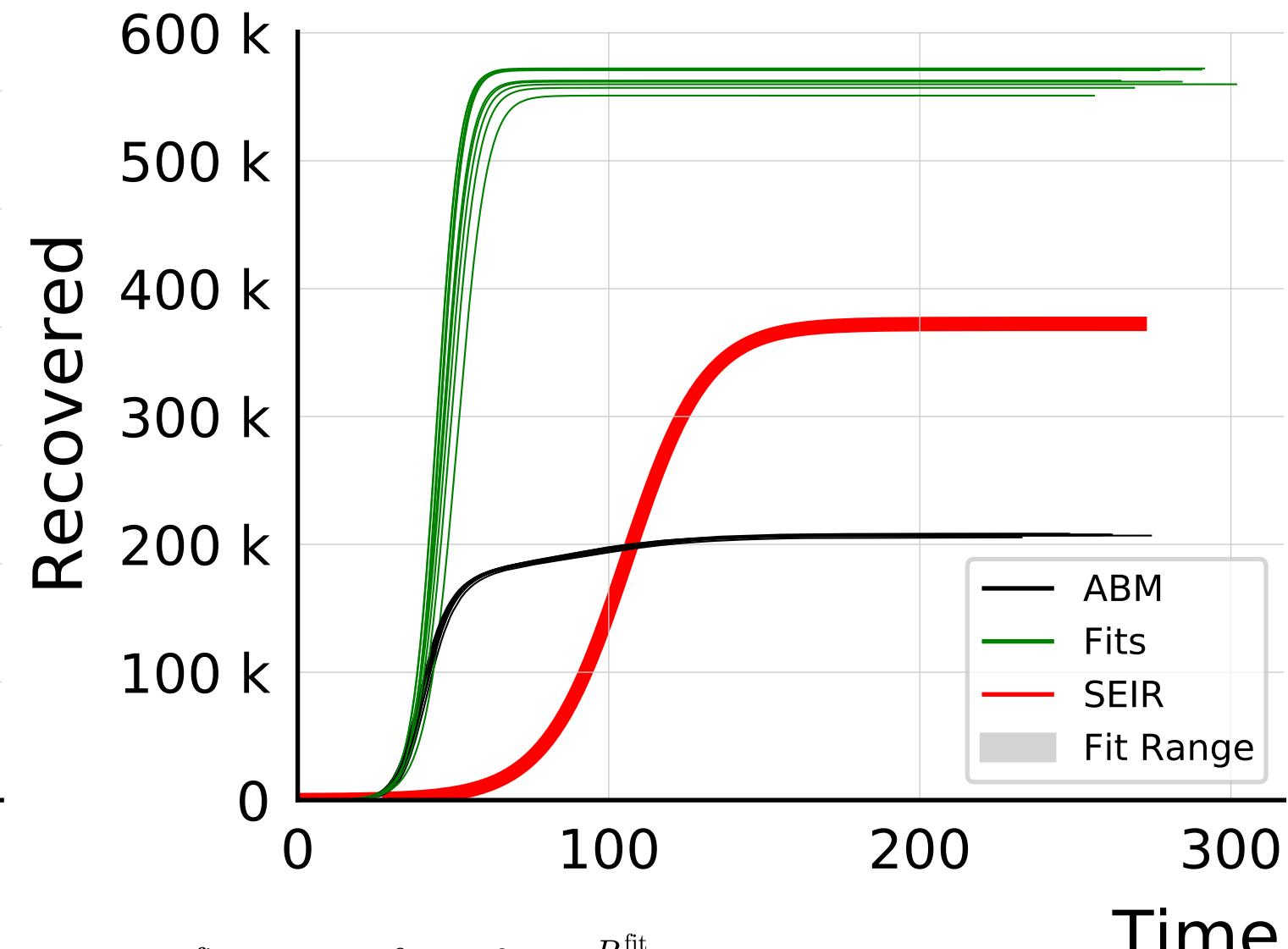


$$R_{\infty}^{\text{fit}} = 561_{-10}^{+3} \cdot 10^3 \quad \frac{R_{\infty}^{\text{fit}}}{R_{\text{inf}}^{\text{fit}}} = 2.746 \pm 0.0079$$

$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.1$, $\epsilon_\rho = 0.02$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, #10

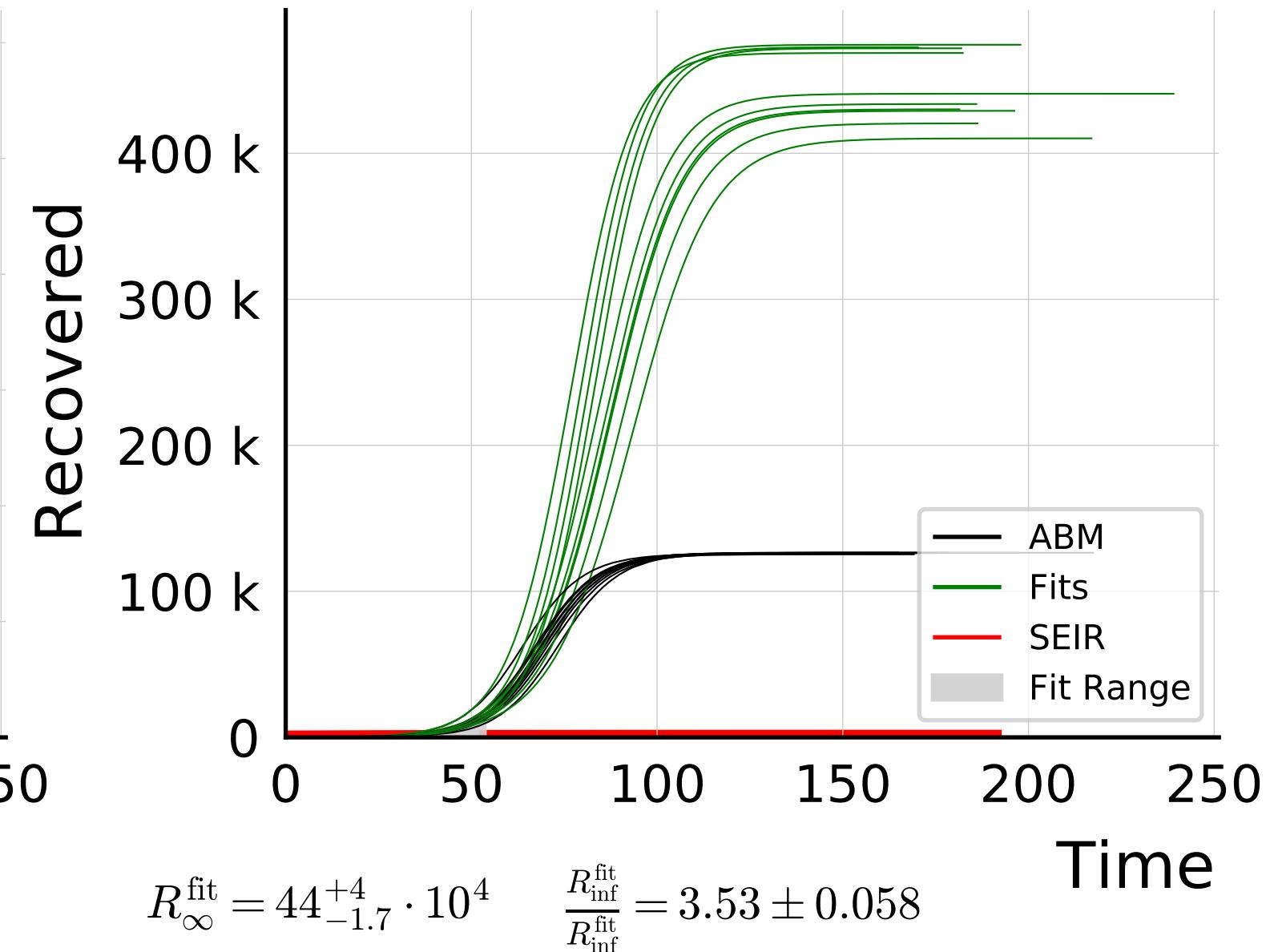
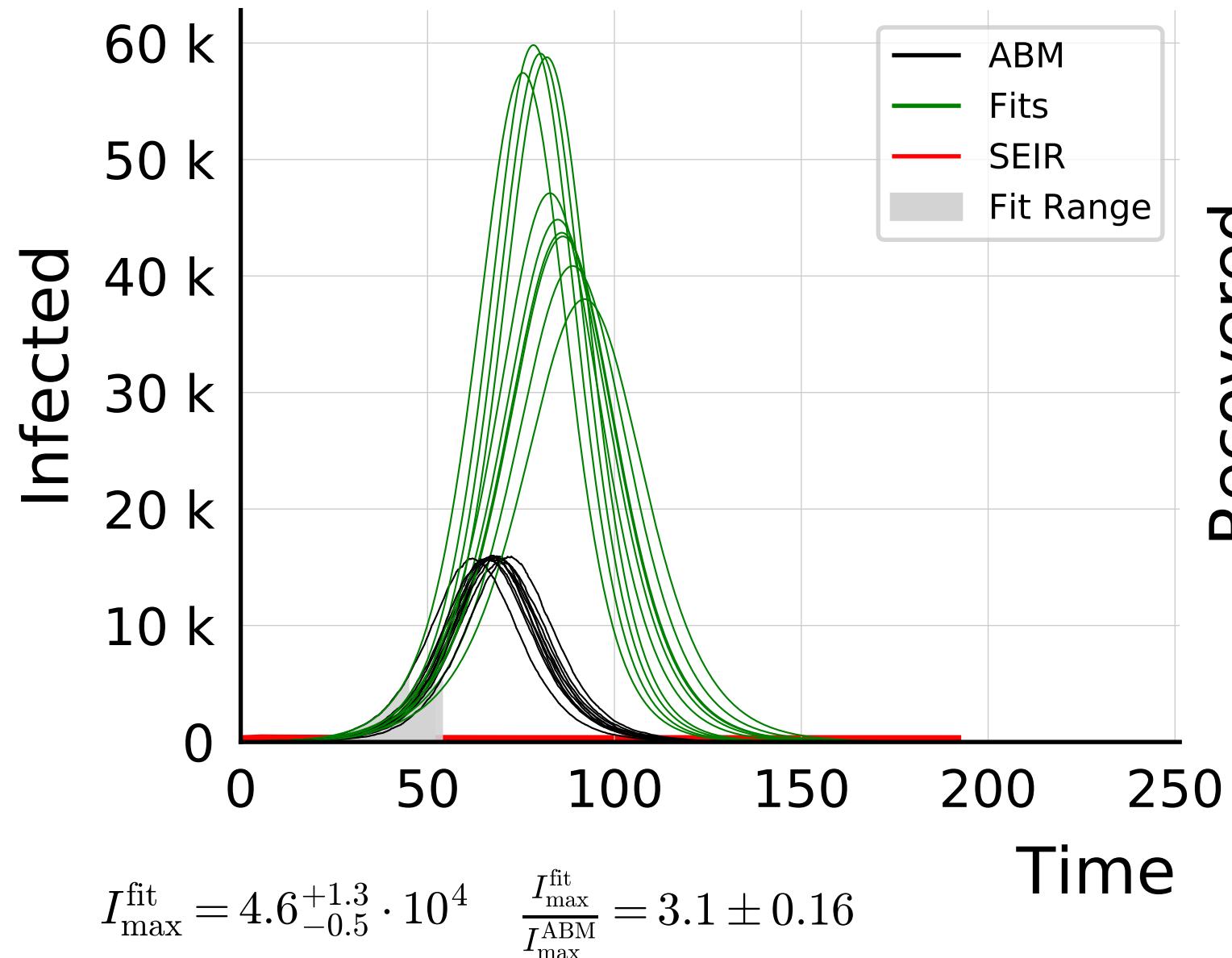


$$I_{\max}^{\text{fit}} = 14^{+1.4}_{-1.7} \cdot 10^4 \quad \frac{I_{\max}^{\text{fit}}}{I_{\max}^{\text{ABM}}} = 3.4 \pm 0.11$$

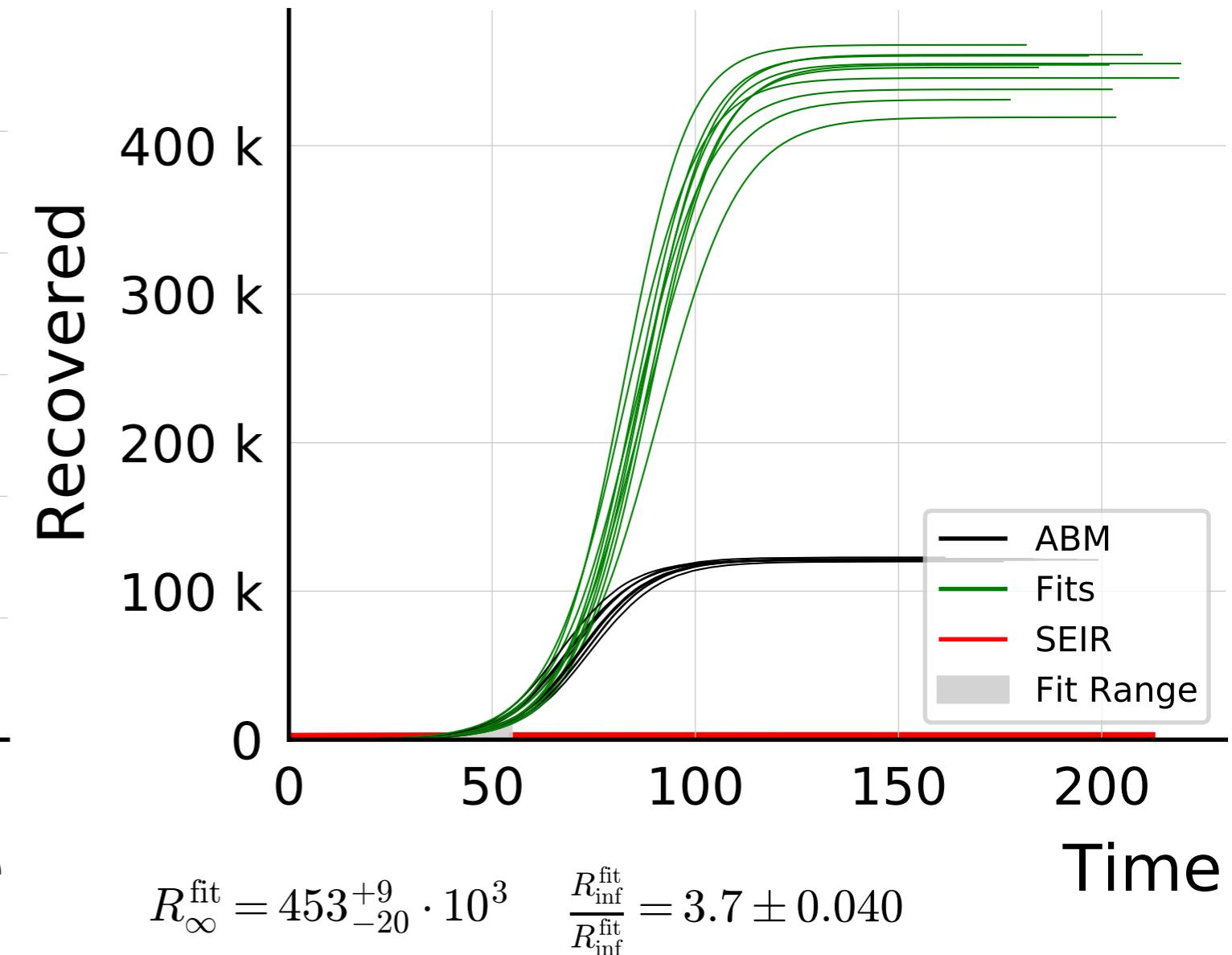
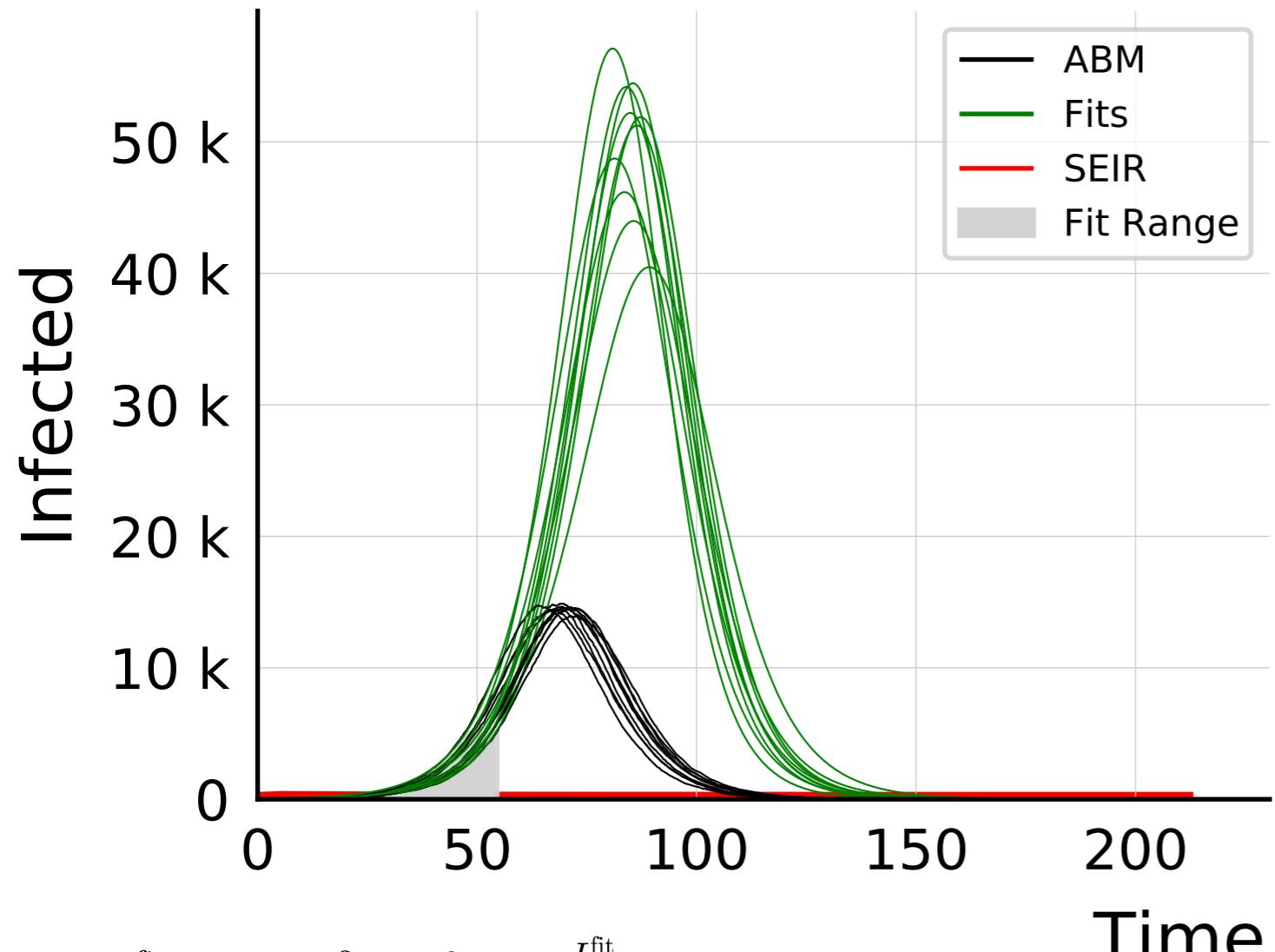


$$R_{\infty}^{\text{fit}} = 566^{+6}_{-9} \cdot 10^3 \quad \frac{R_{\text{inf}}^{\text{fit}}}{R_{\text{inf}}} = 2.725 \pm 0.0086$$

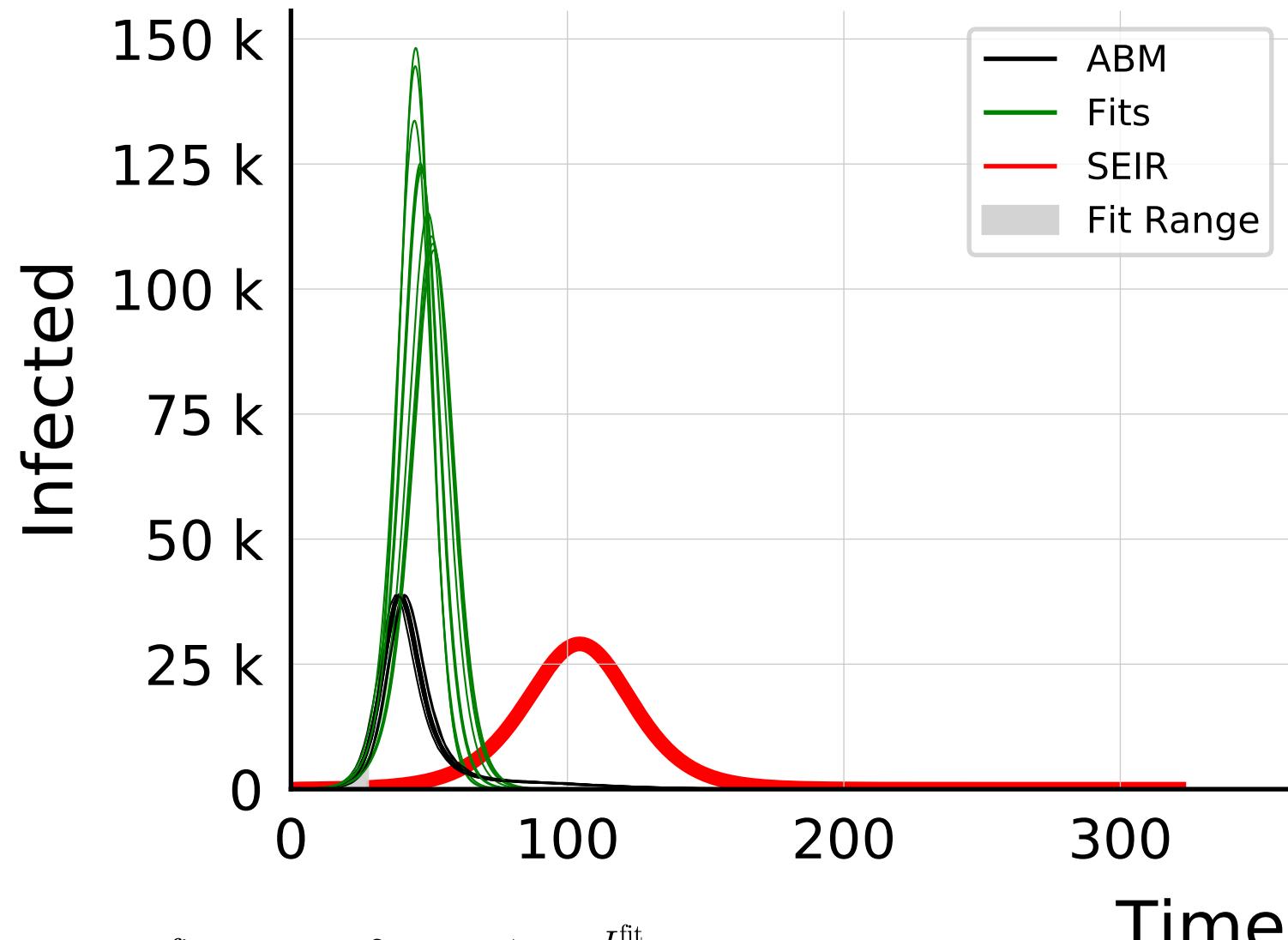
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 10.0$, $\sigma_\mu = 0.0$, $\beta = 0.02$, $\sigma_\beta = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, #10



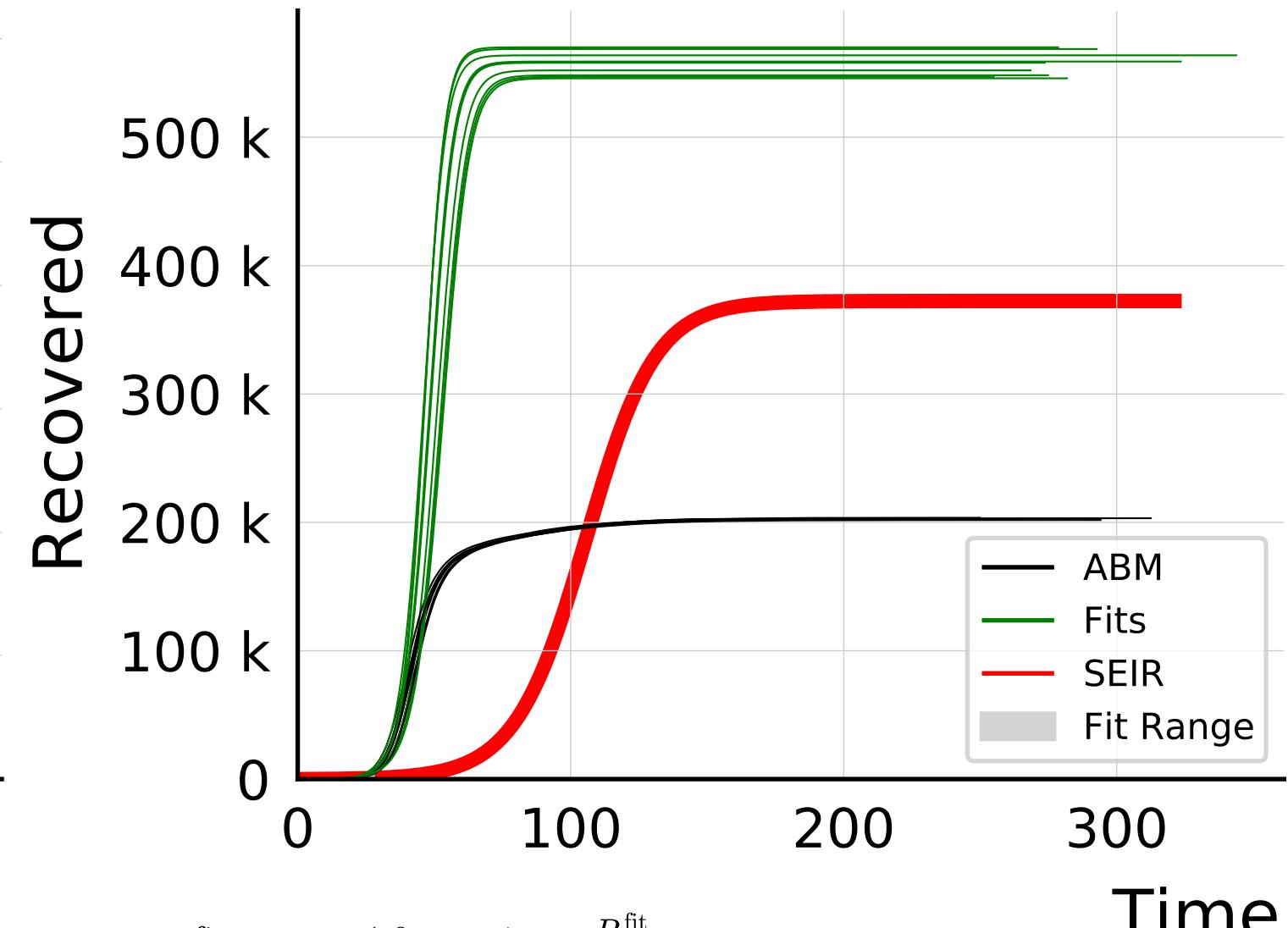
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 10.0$, $\sigma_\mu = 0.0$, $\beta = 0.02$, $\sigma_\beta = 1.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, #10



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

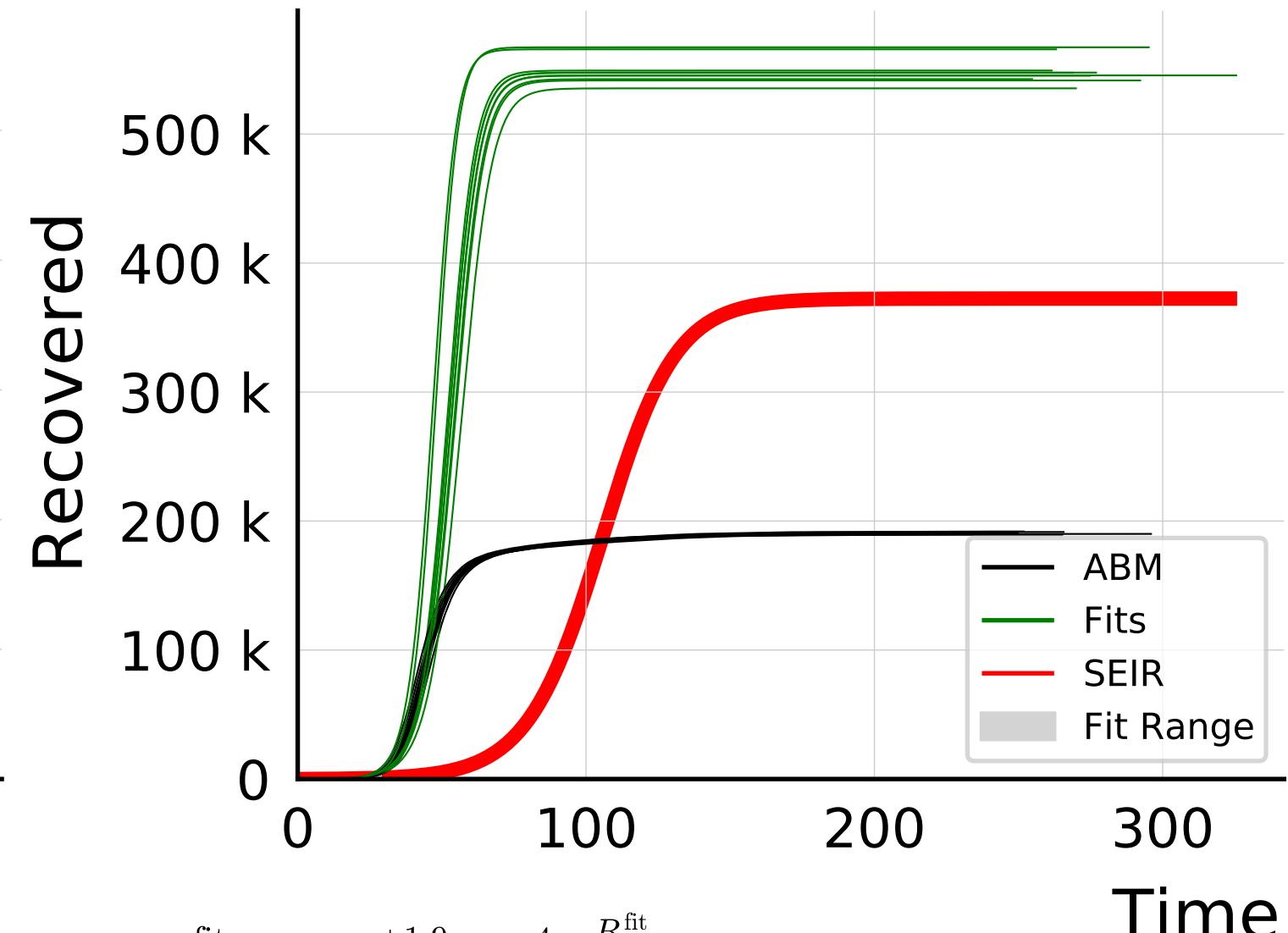
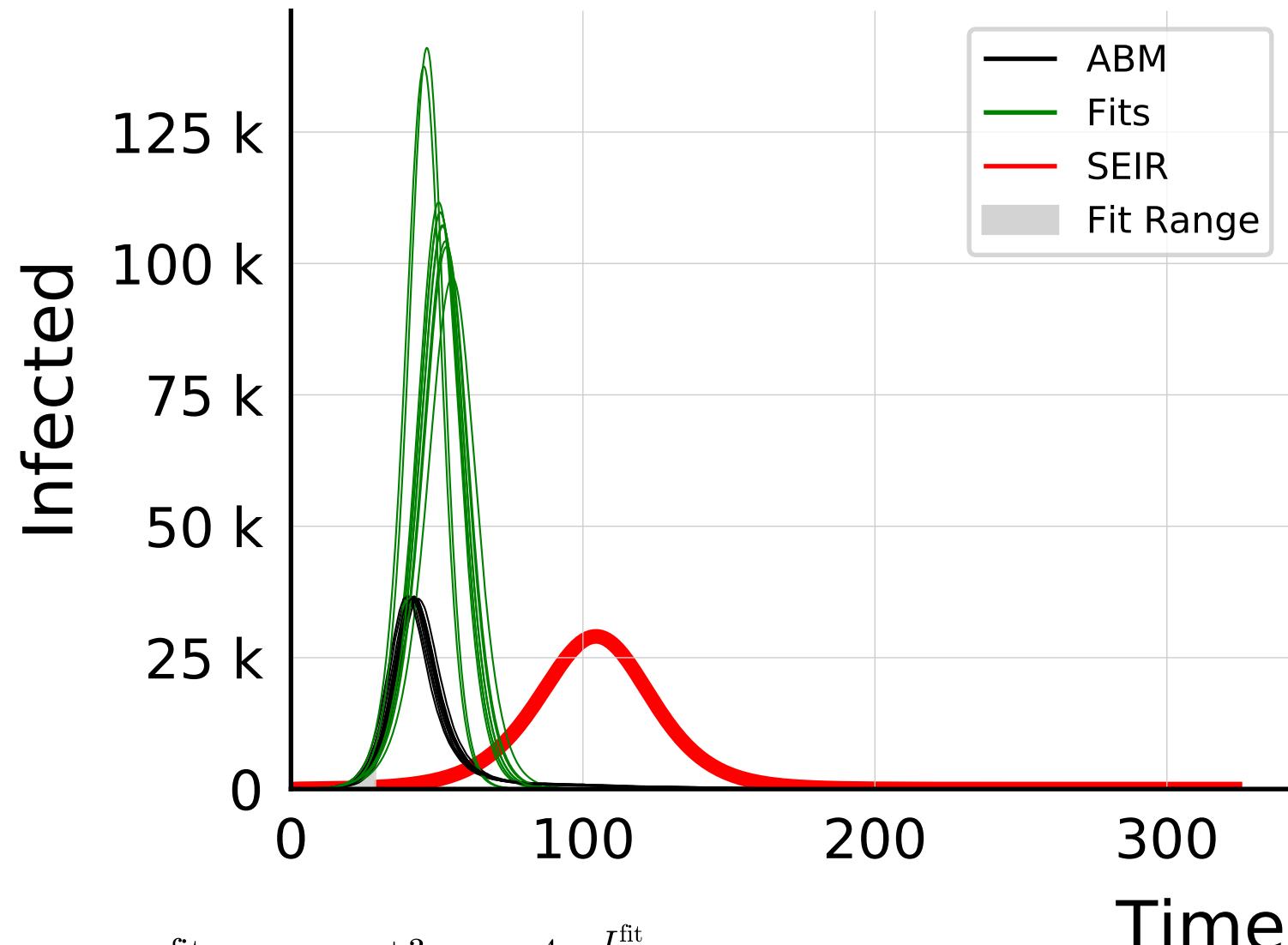


$$I_{\max}^{\text{fit}} = 12_{-1.5}^{+2} \cdot 10^4 \quad \frac{I_{\max}^{\text{fit}}}{I_{\max}^{\text{ABM}}} = 3.2 \pm 0.11$$

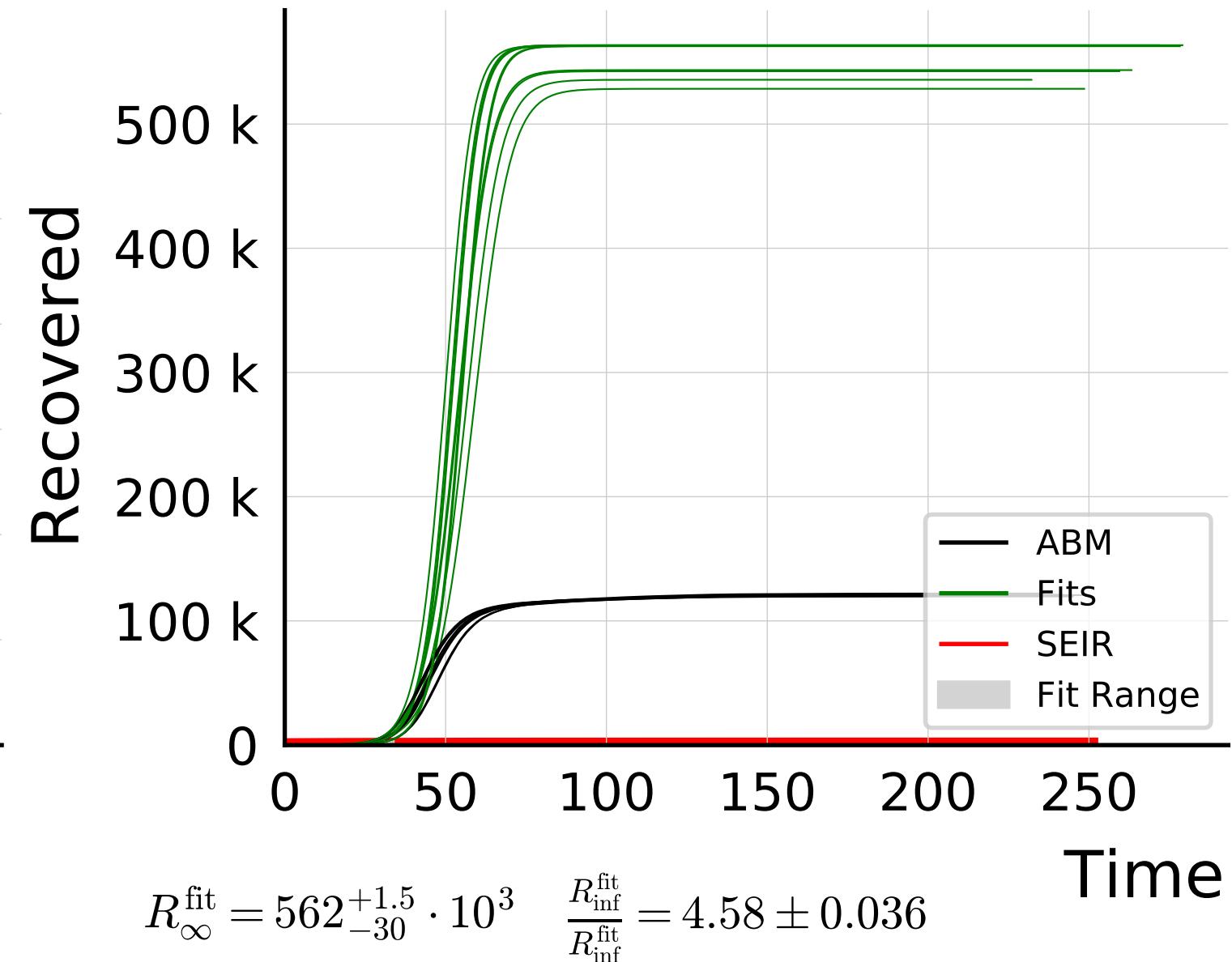
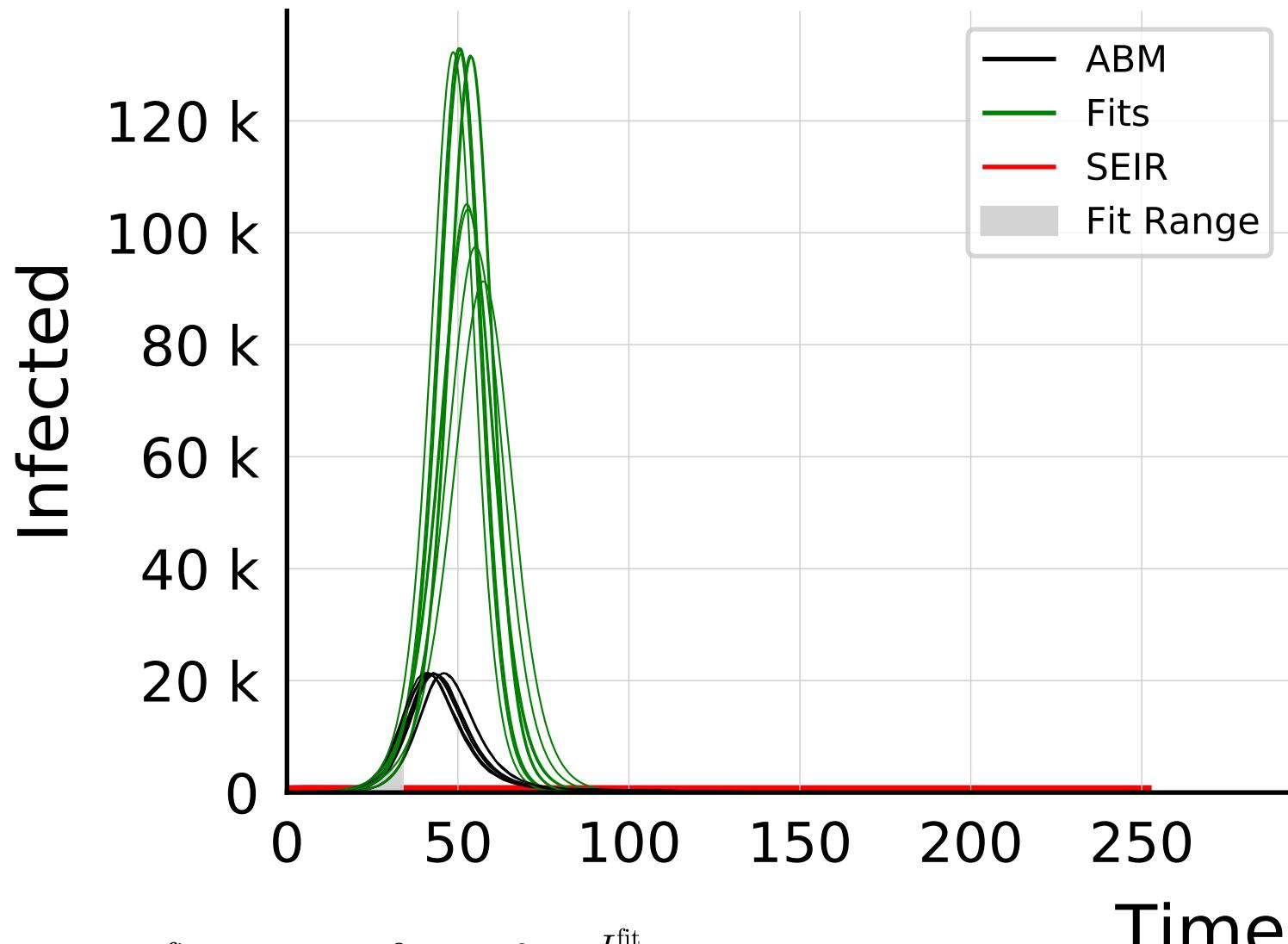


$$R_{\infty}^{\text{fit}} = 56_{-1.1}^{+1.0} \cdot 10^4 \quad \frac{R_{\infty}^{\text{fit}}}{R_{\text{inf}}^{\text{fit}}} = 2.75 \pm 0.013$$

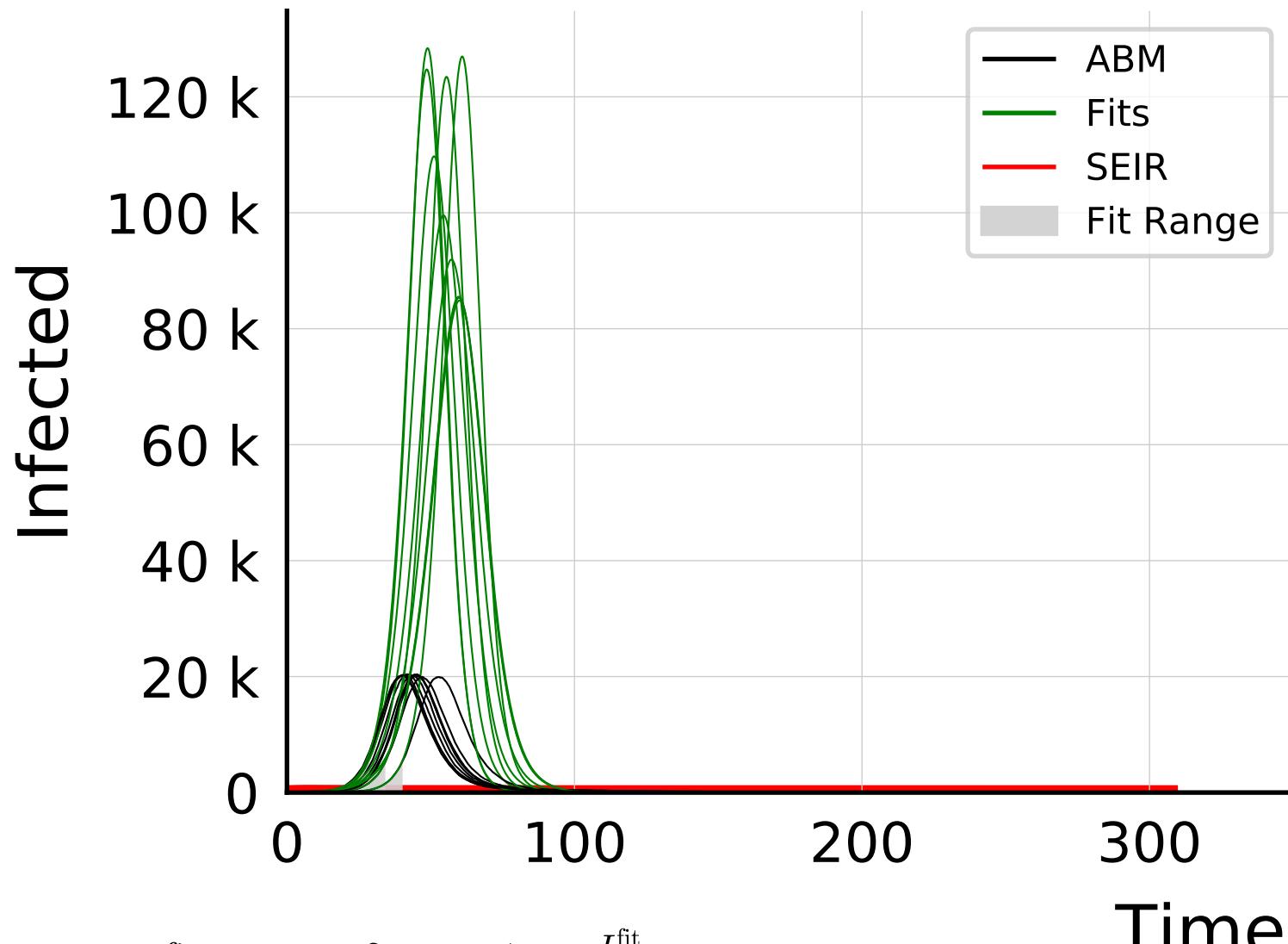
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 10.0$, $\sigma_\mu = 0.0$, $\beta = 0.04$, $\sigma_\beta = 1.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, #10



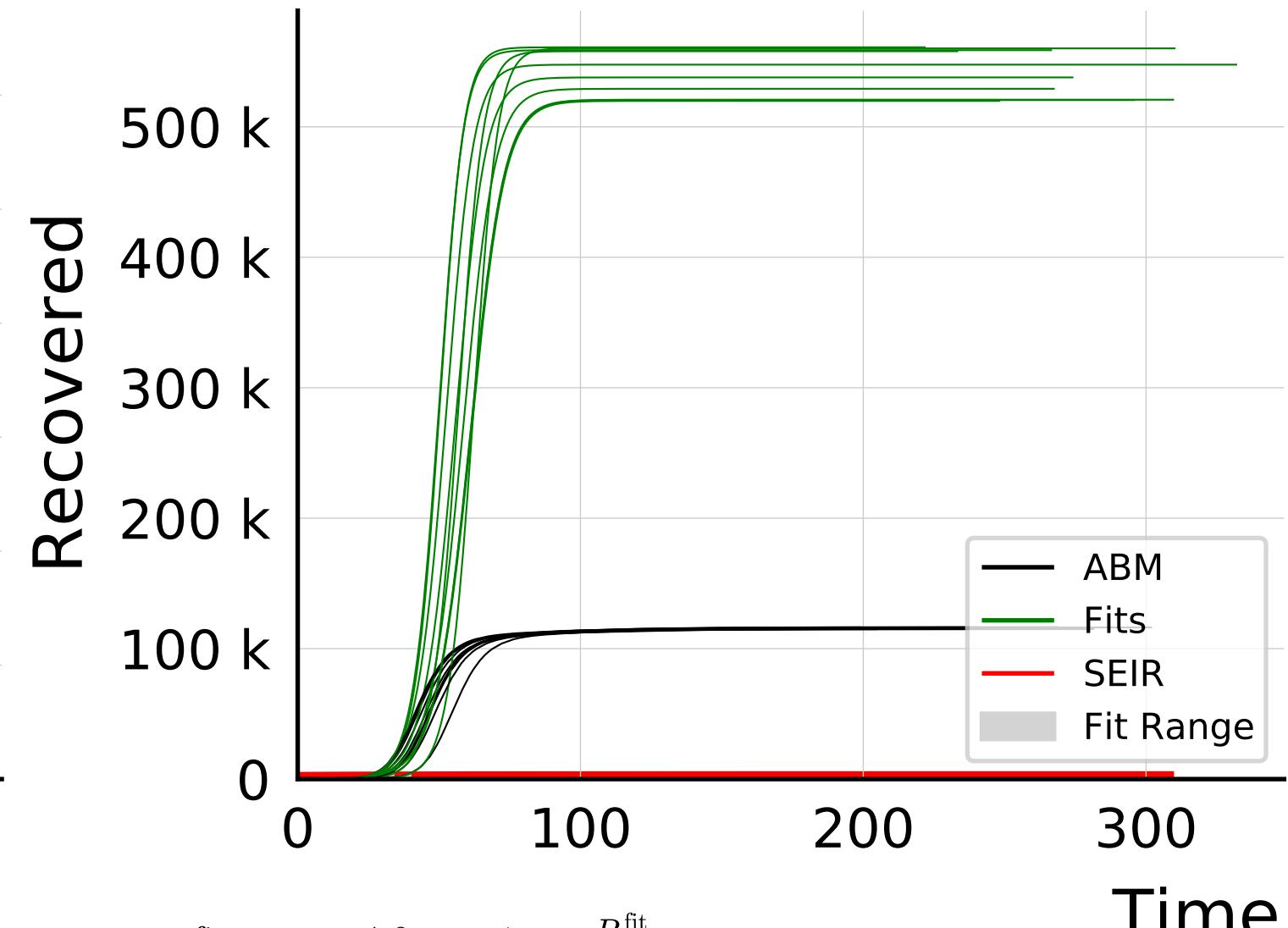
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 10.0$, $\sigma_\mu = 1.0$, $\beta = 0.02$, $\sigma_\beta = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, #10



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

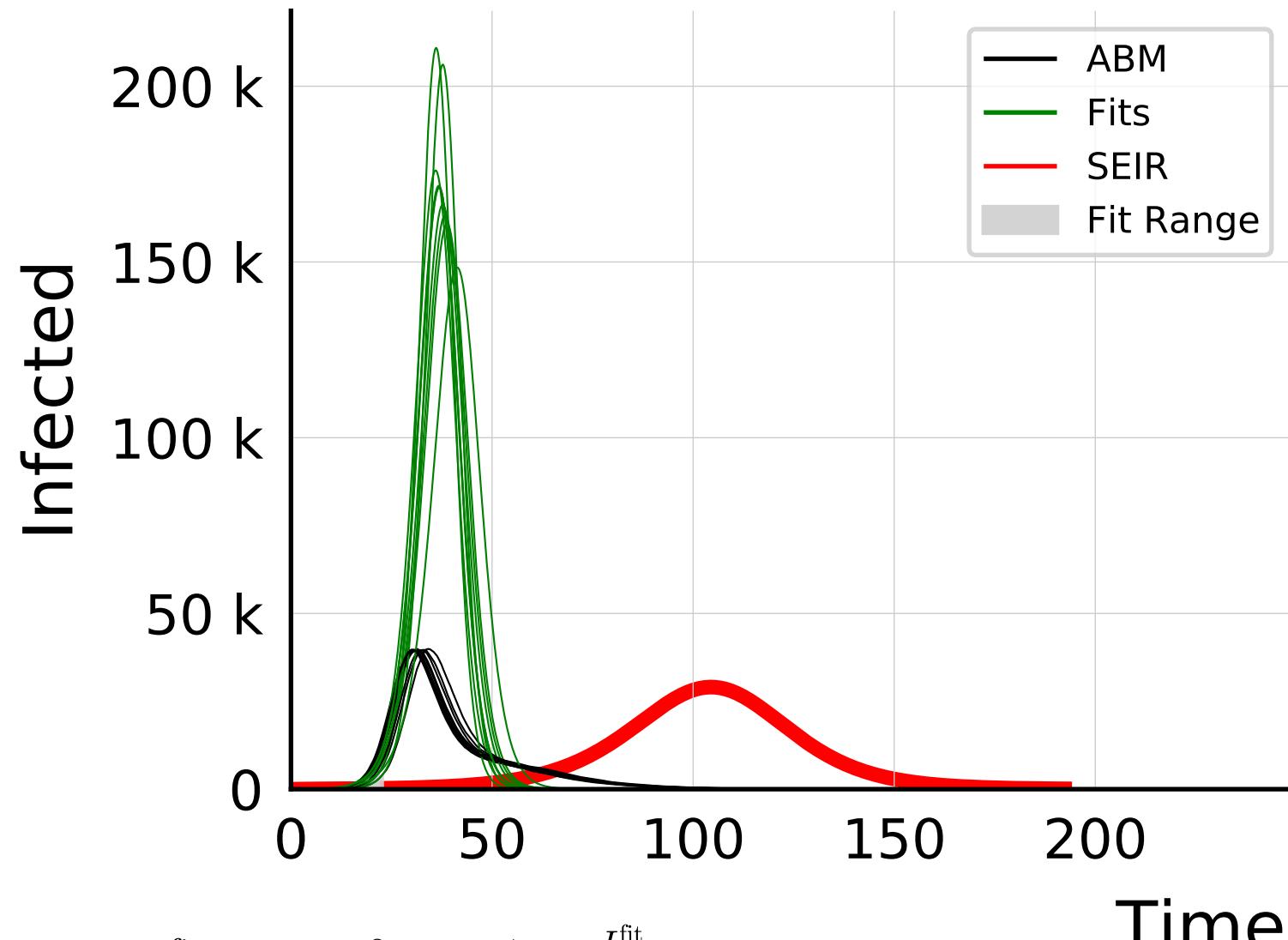


$$I_{\max}^{\text{fit}} = 10_{-1.8}^{+2} \cdot 10^4 \quad \frac{I_{\max}^{\text{fit}}}{I_{\max}^{\text{ABM}}} = 5.3 \pm 0.28$$

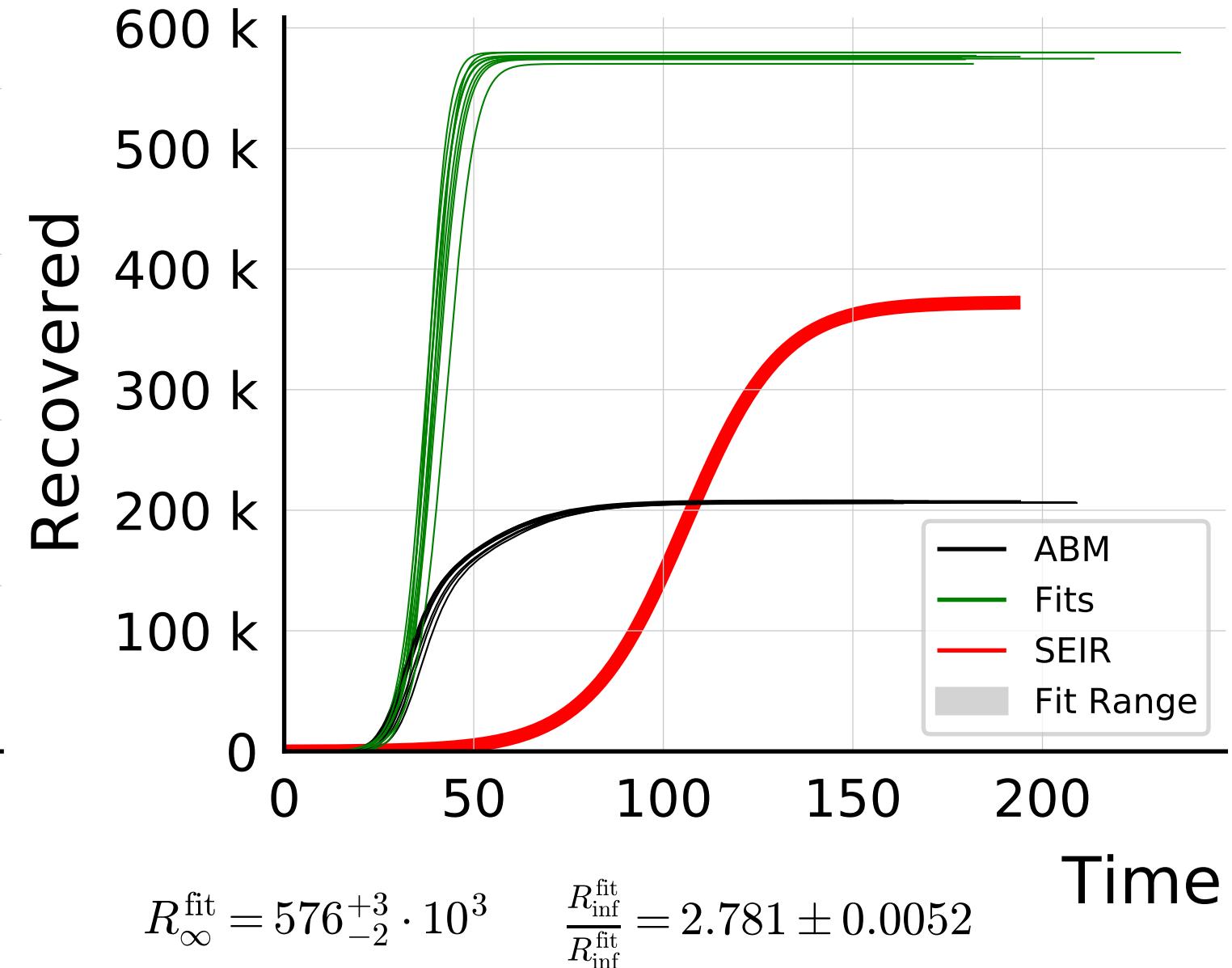


$$R_{\infty}^{\text{fit}} = 54_{-2}^{+1.8} \cdot 10^4 \quad \frac{R_{\text{inf}}^{\text{fit}}}{R_{\infty}^{\text{fit}}} = 4.67 \pm 0.042$$

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

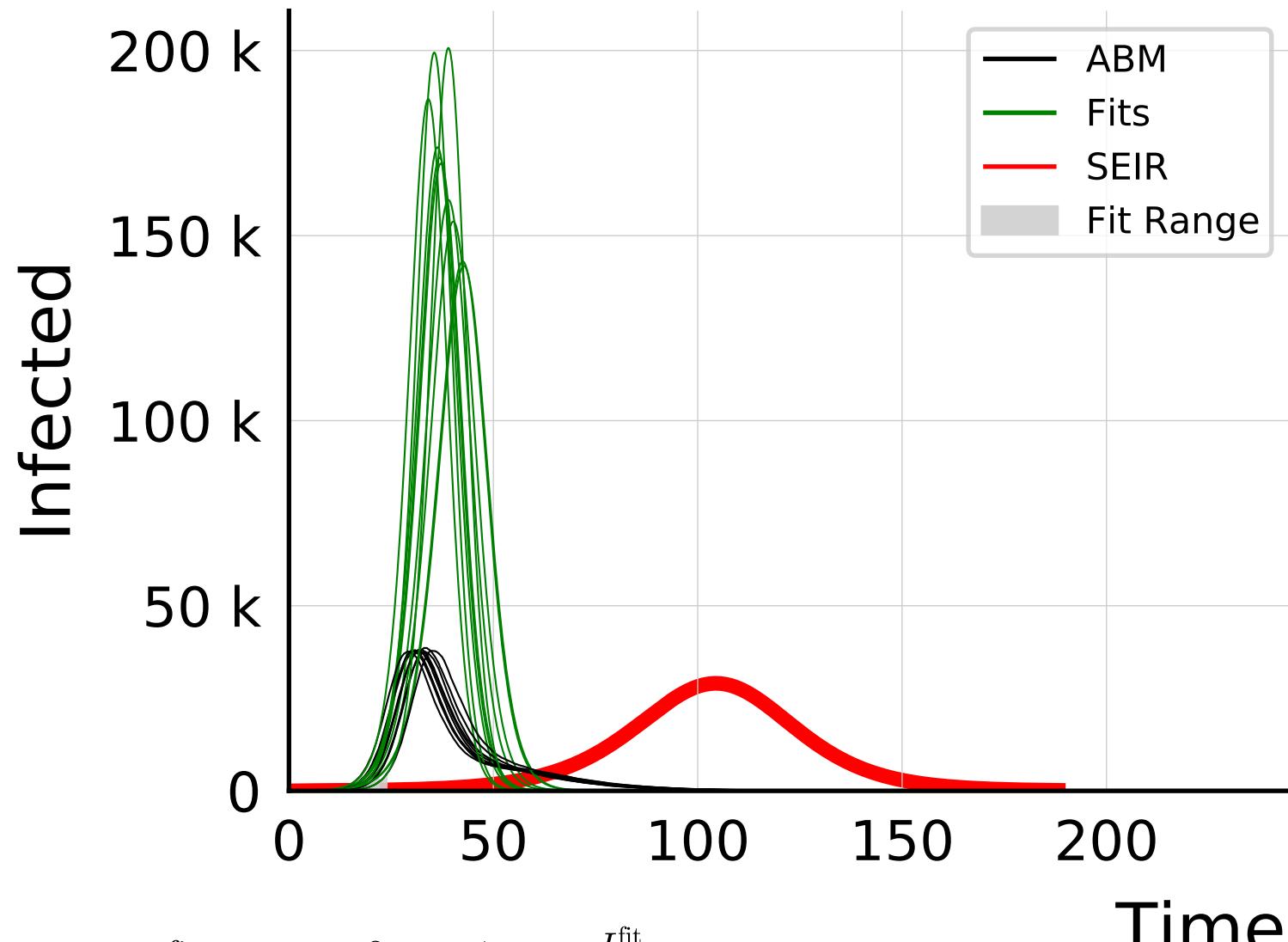


$$I_{\max}^{\text{fit}} = 17_{-1.0}^{+3} \cdot 10^4 \quad \frac{I_{\max}^{\text{fit}}}{I_{\max}^{\text{ABM}}} = 4.4 \pm 0.15$$



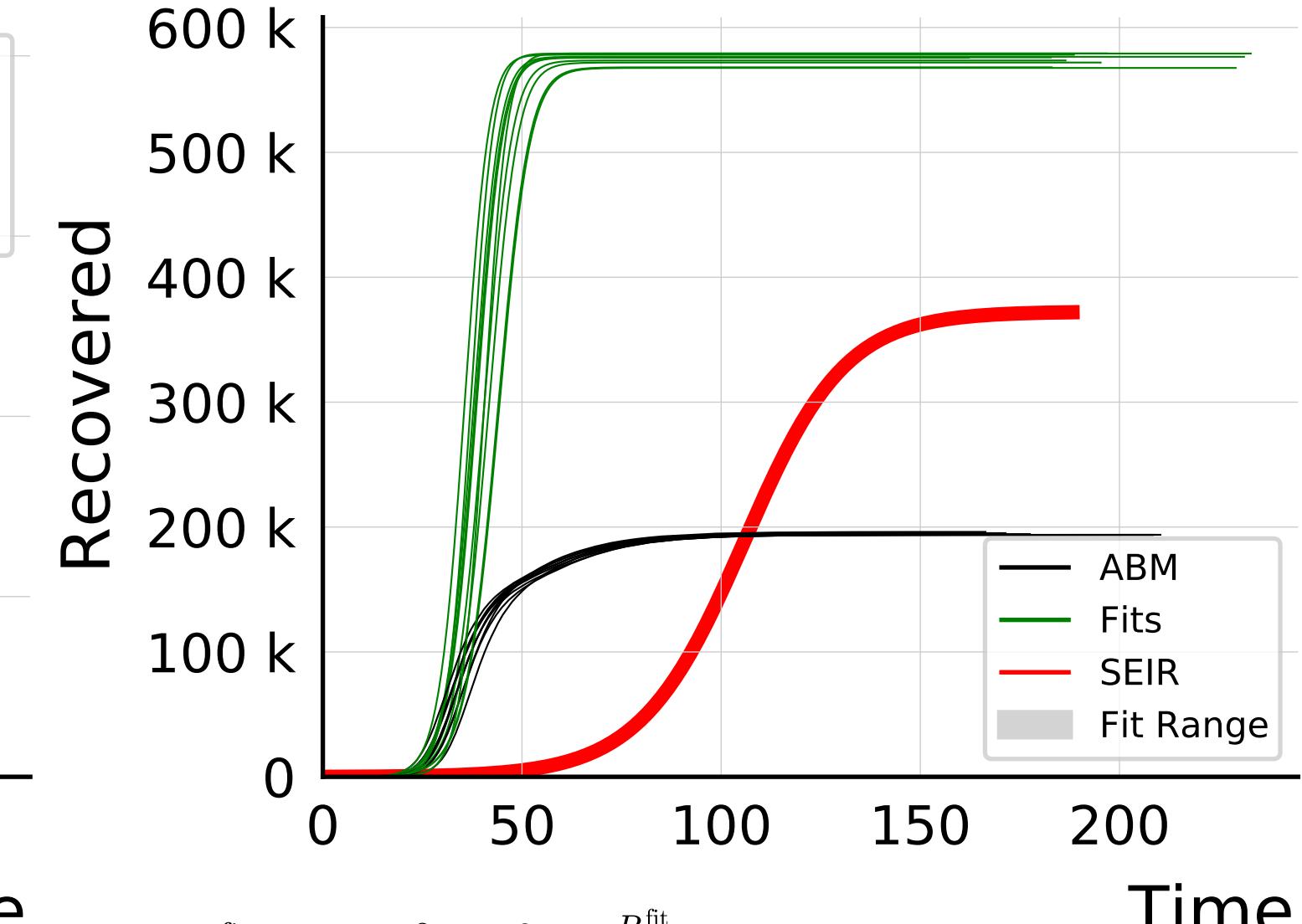
$$R_{\infty}^{\text{fit}} = 576_{-2}^{+3} \cdot 10^3 \quad \frac{R_{\infty}^{\text{fit}}}{R_{\text{inf}}^{\text{fit}}} = 2.781 \pm 0.0052$$

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



$$I_{\max}^{\text{fit}} = 17^{+3}_{-3} \cdot 10^4$$

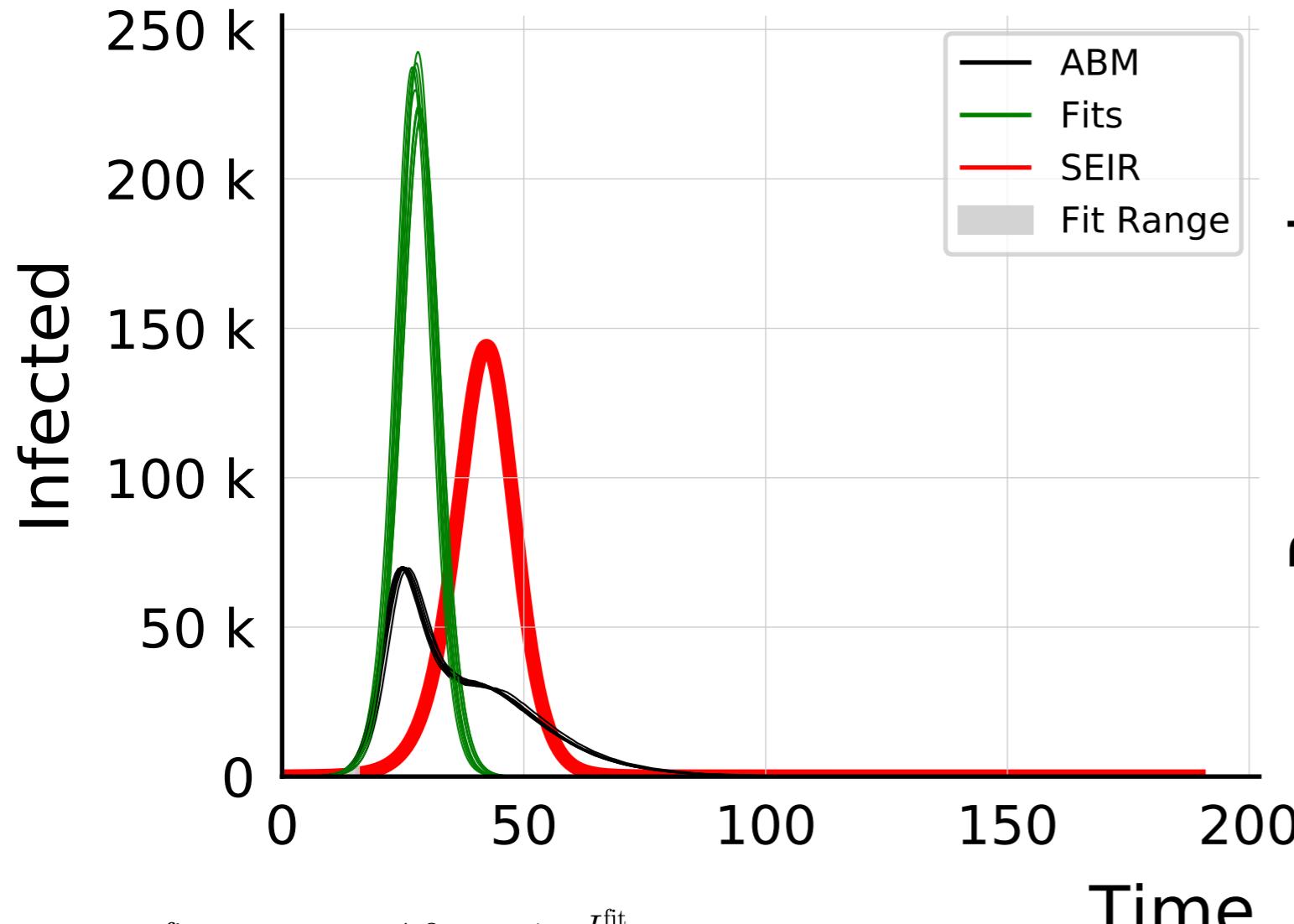
$$\frac{I_{\max}^{\text{fit}}}{I_{\max}^{\text{ABM}}} = 4.5 \pm 0.17$$



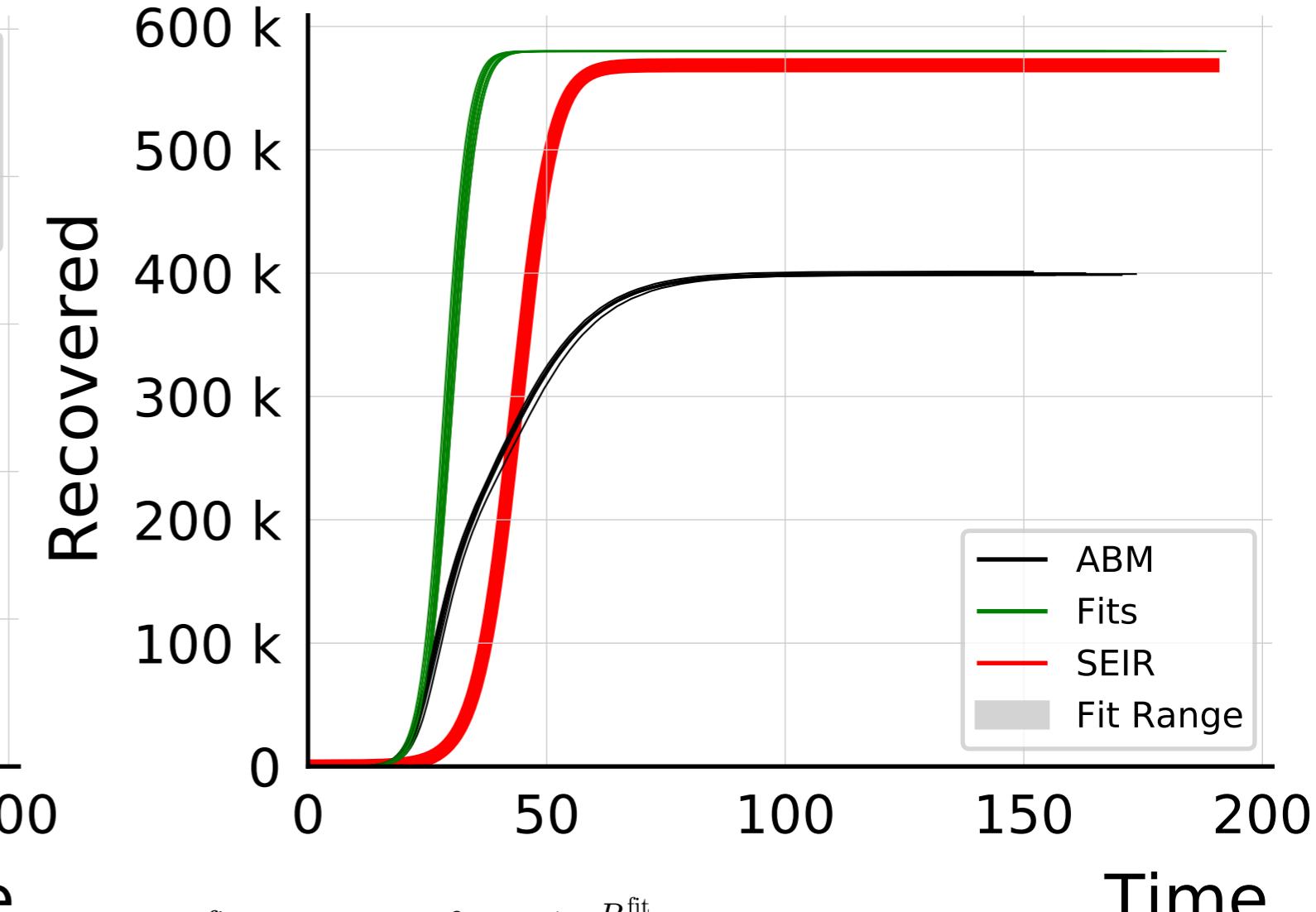
$$R_{\infty}^{\text{fit}} = 576^{+3}_{-8} \cdot 10^3$$

$$\frac{R_{\text{inf}}^{\text{fit}}}{R_{\infty}^{\text{fit}}} = 2.955 \pm 0.0084$$

$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 100.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, #10

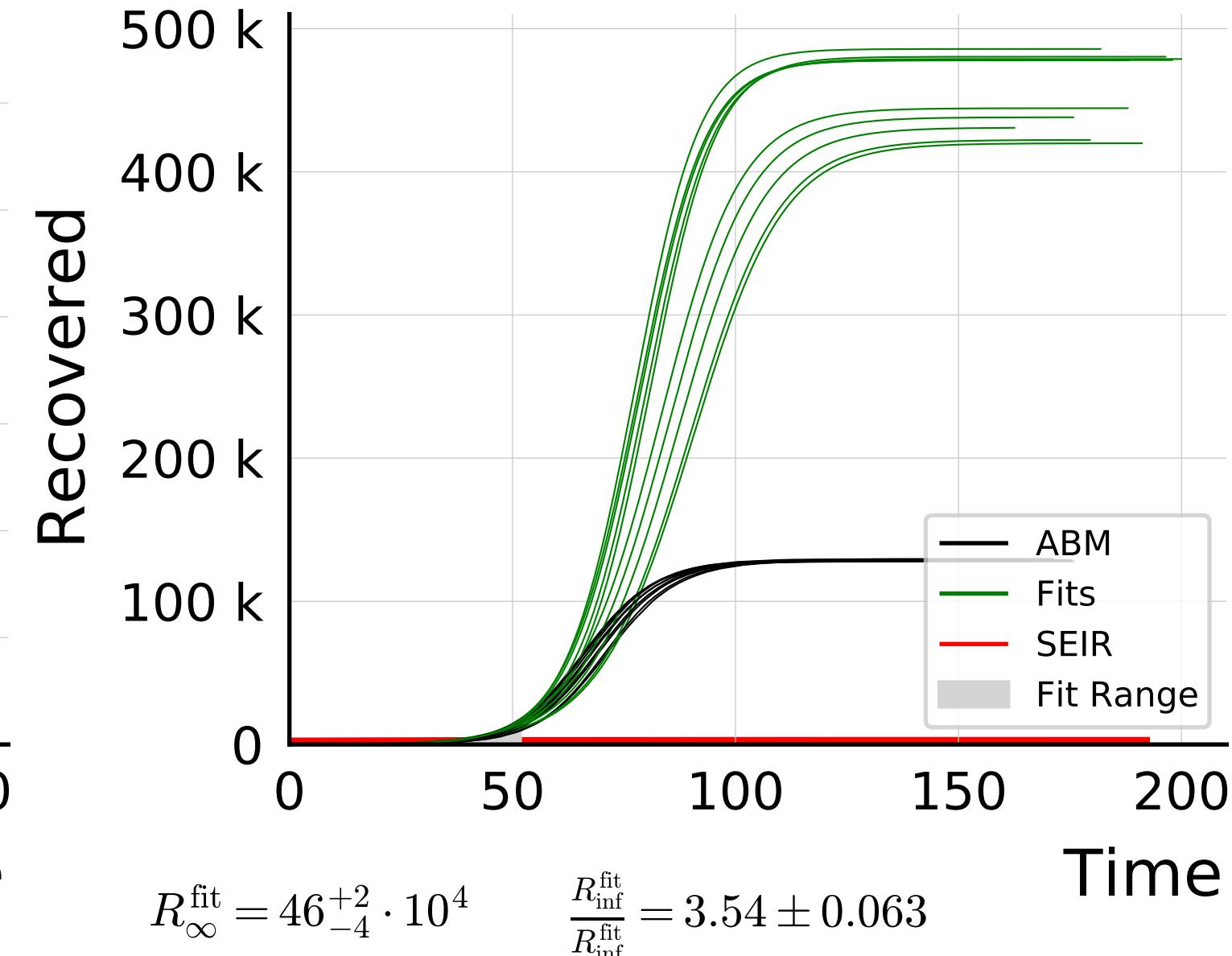
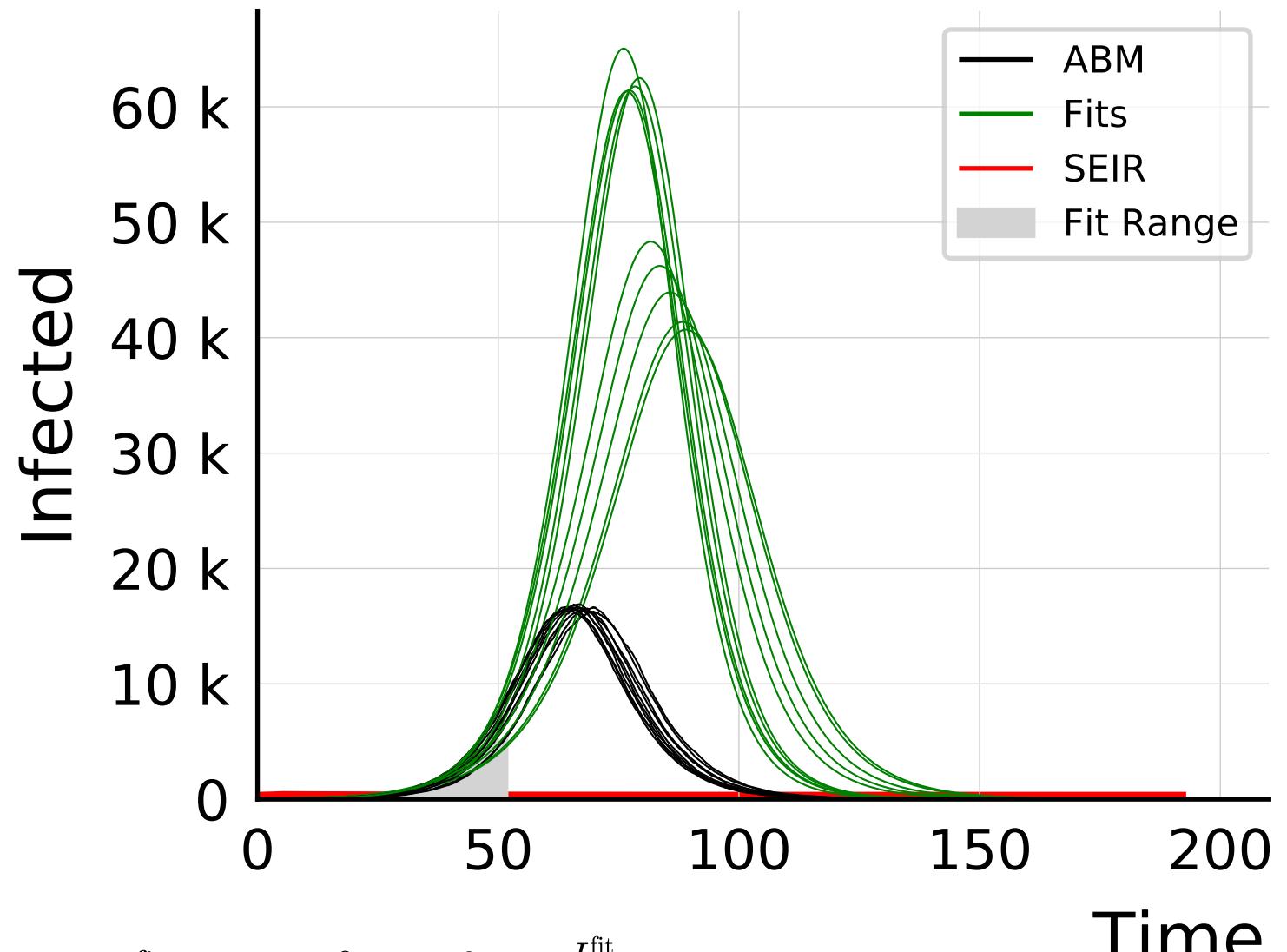


$$I_{\max}^{\text{fit}} = 22.7^{+1.3}_{-0.6} \cdot 10^4 \quad \frac{I_{\max}^{\text{fit}}}{I_{\max}^{\text{ABM}}} = 3.29 \pm 0.035$$

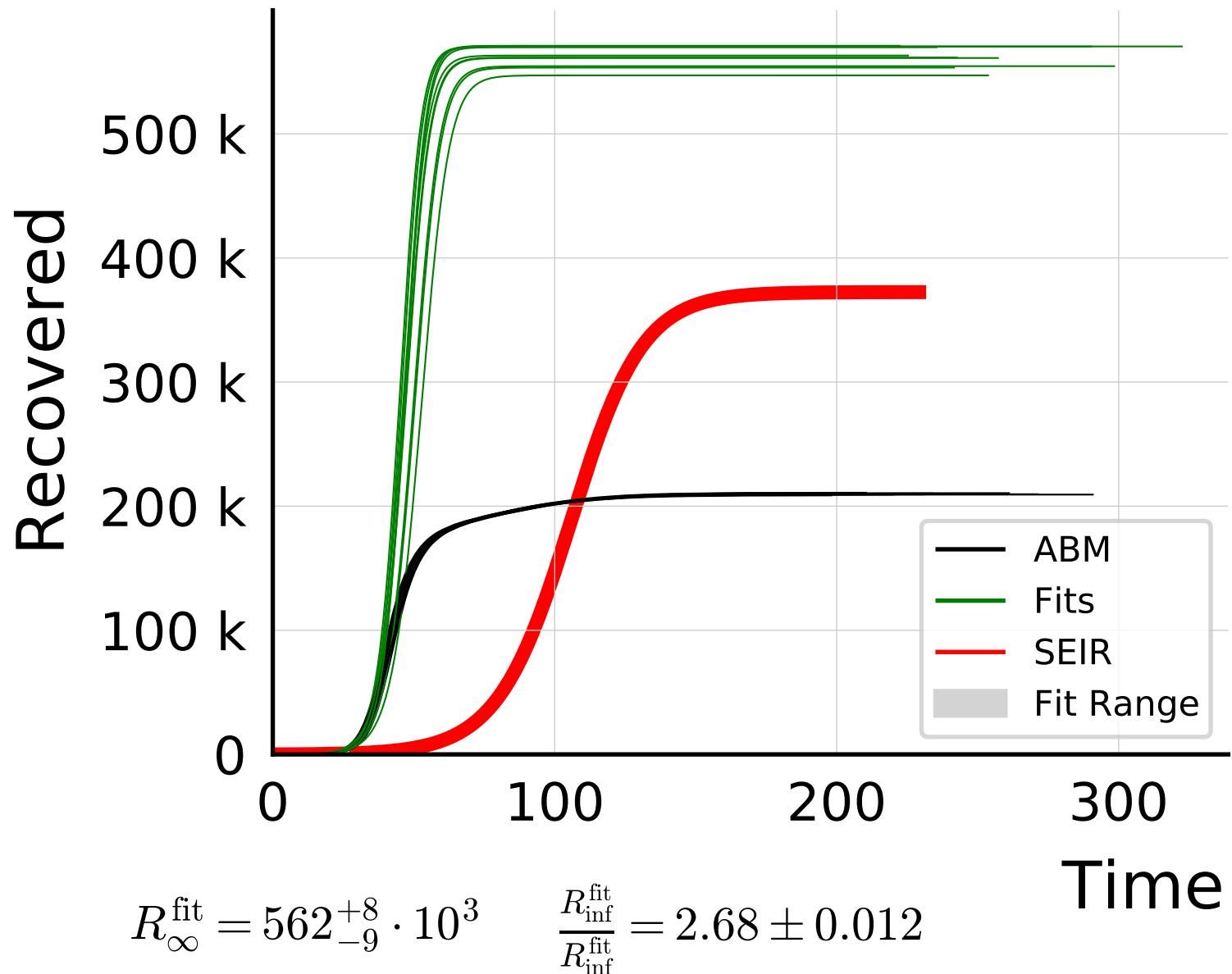
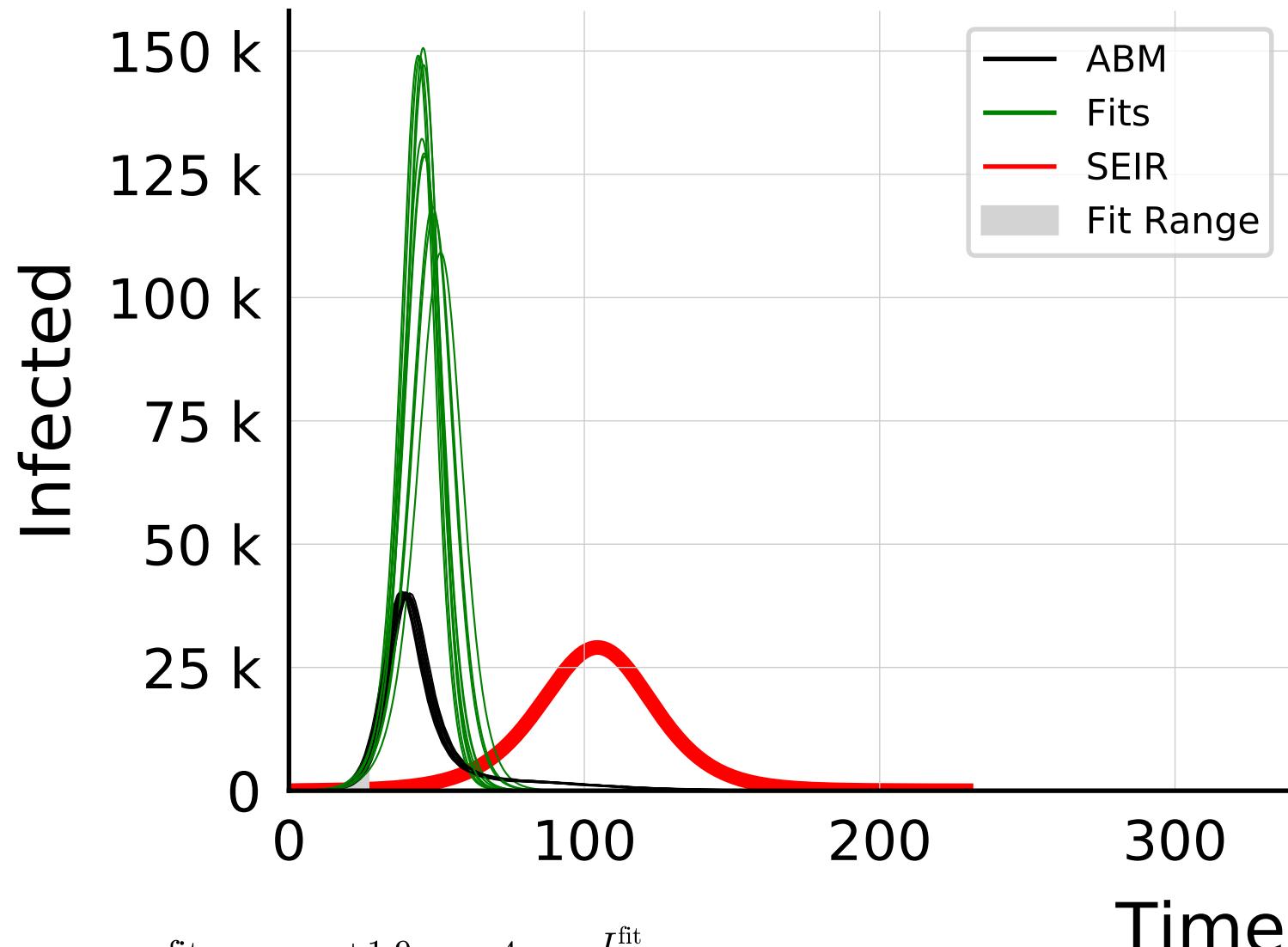


$$R_{\infty}^{\text{fit}} = 57992^{+6}_{-6} \cdot 10^1 \quad \frac{R_{\text{inf}}^{\text{fit}}}{R_{\text{inf}}^{\text{ABM}}} = 1.452 \pm 0.00093$$

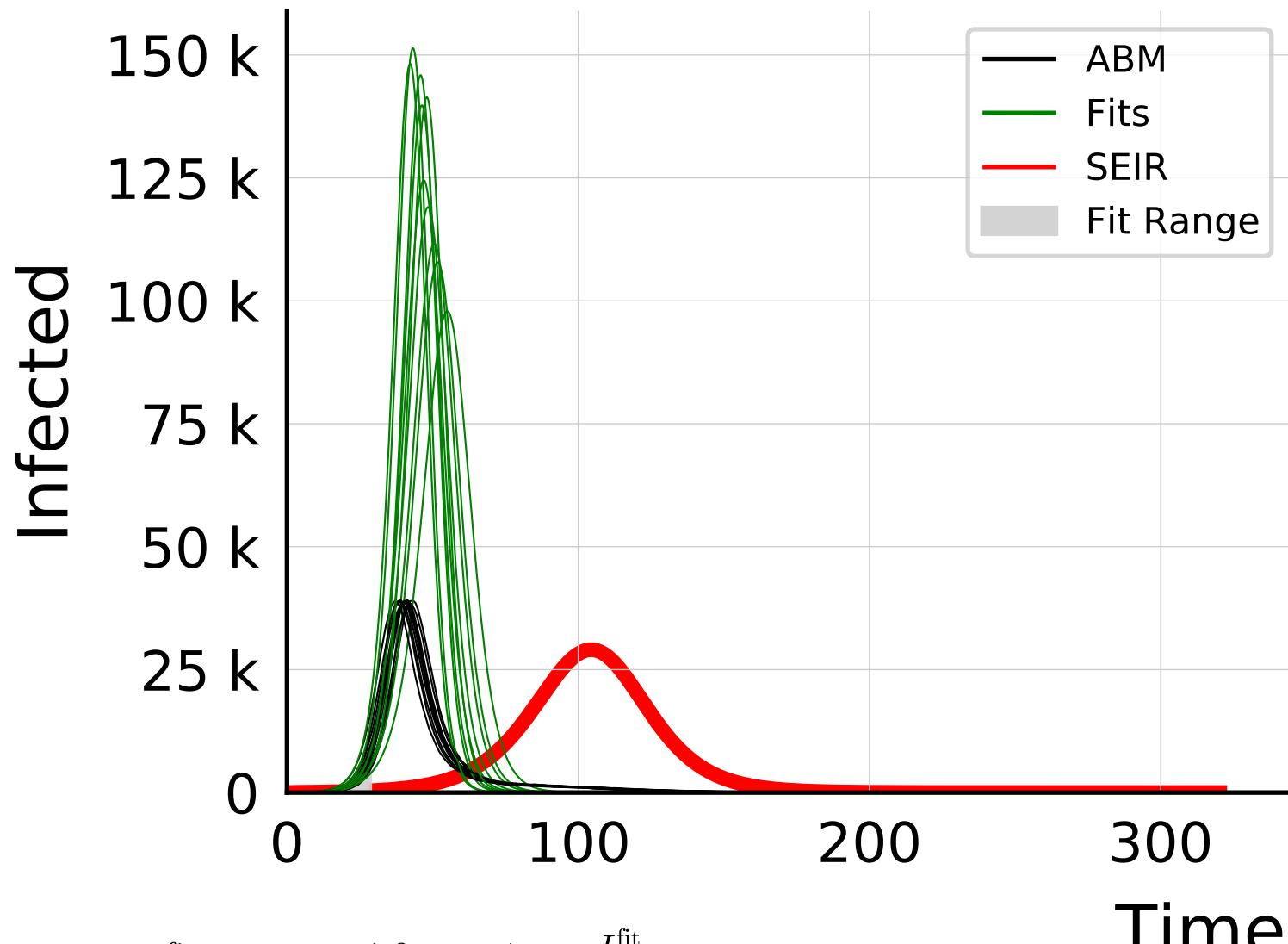
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 20.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, #10



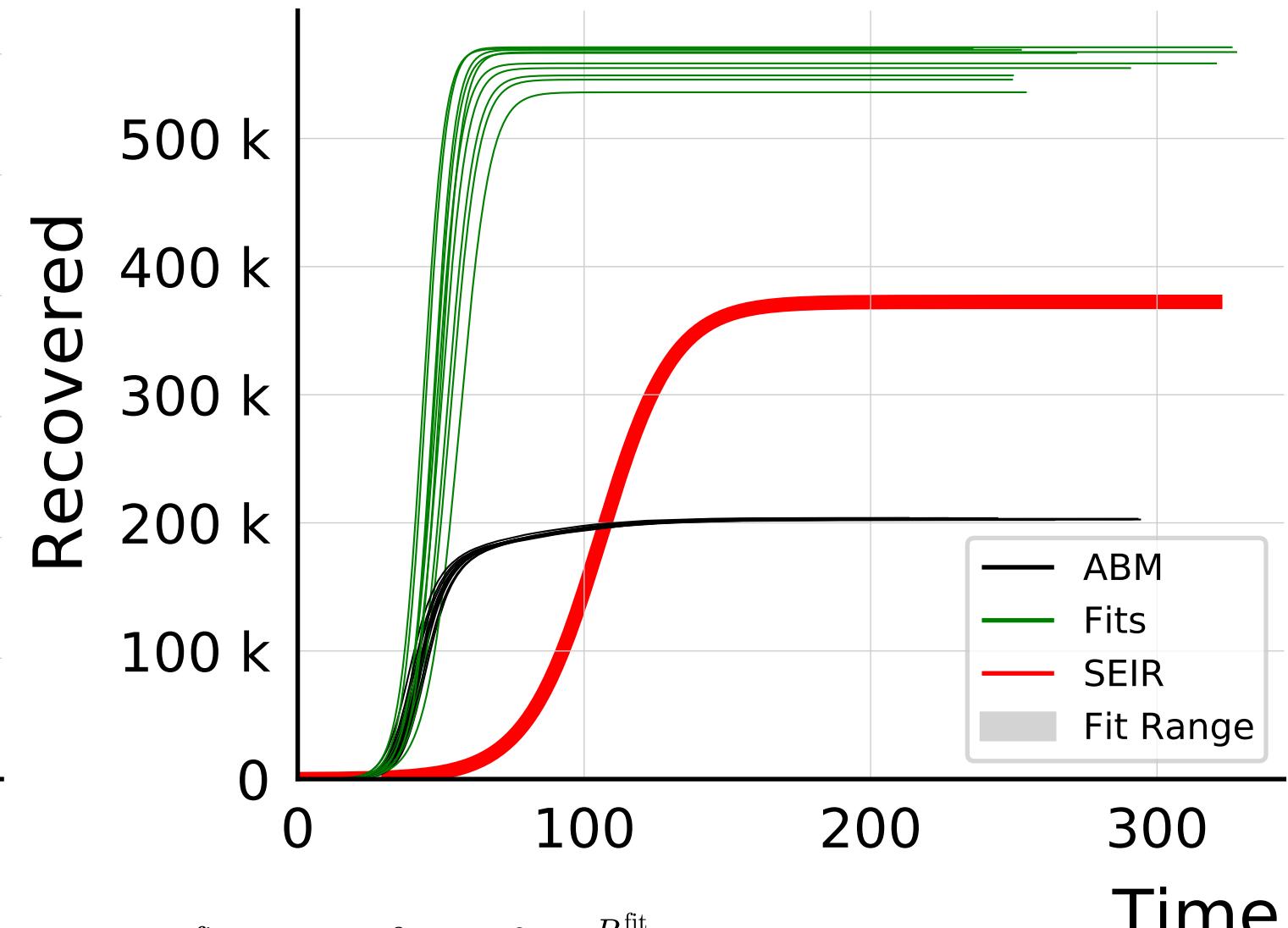
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 20.0$, $\sigma_\mu = 0.0$, $\beta = 0.02$, $\sigma_\beta = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, #10



$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 20.0$, $\sigma_\mu = 0.0$, $\beta = 0.02$, $\sigma_\beta = 1.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, #10

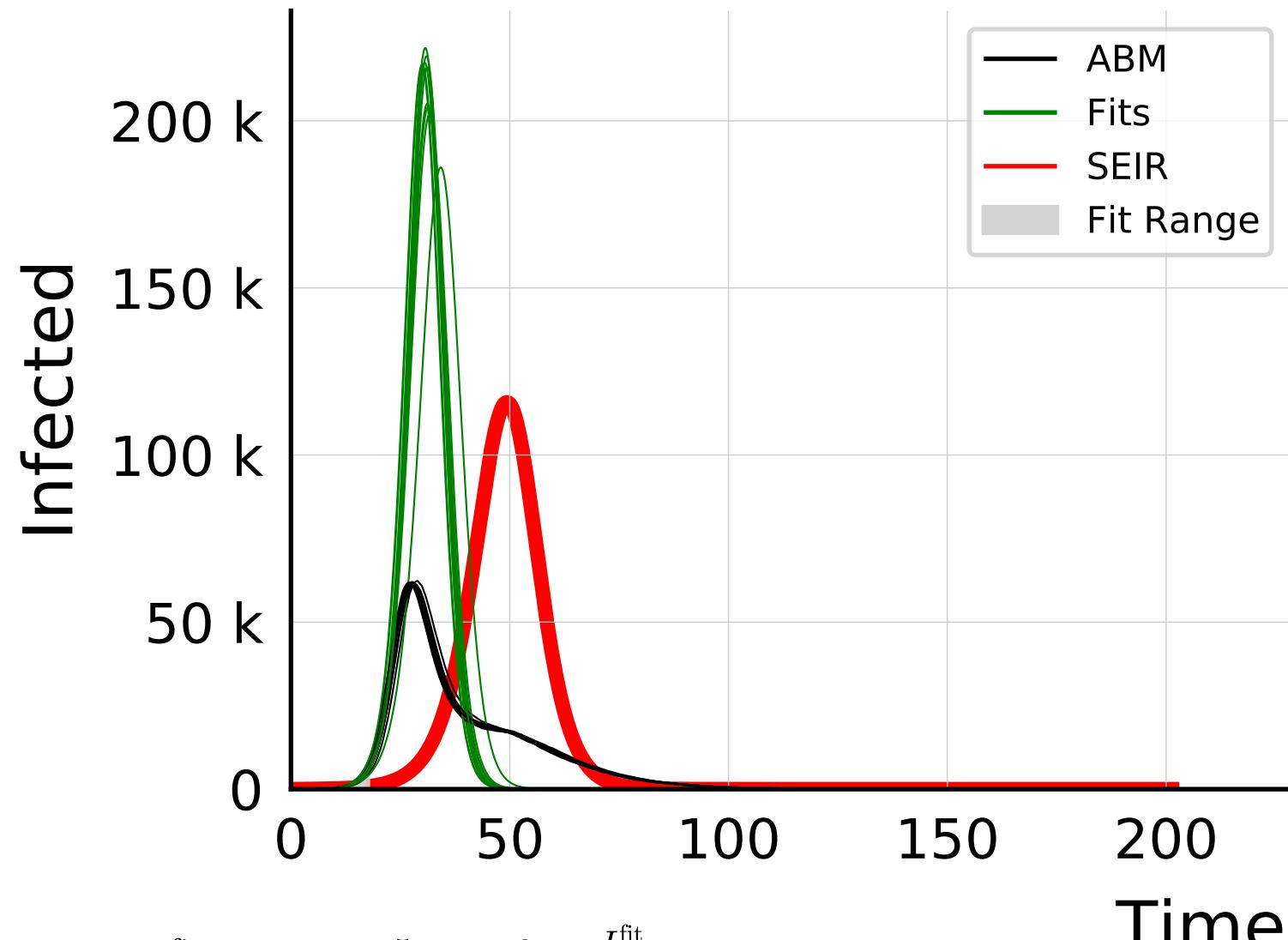


$$I_{\max}^{\text{fit}} = 13_{-2}^{+1.8} \cdot 10^4 \quad \frac{I_{\max}^{\text{fit}}}{I_{\max}^{\text{ABM}}} = 3.3 \pm 0.15$$

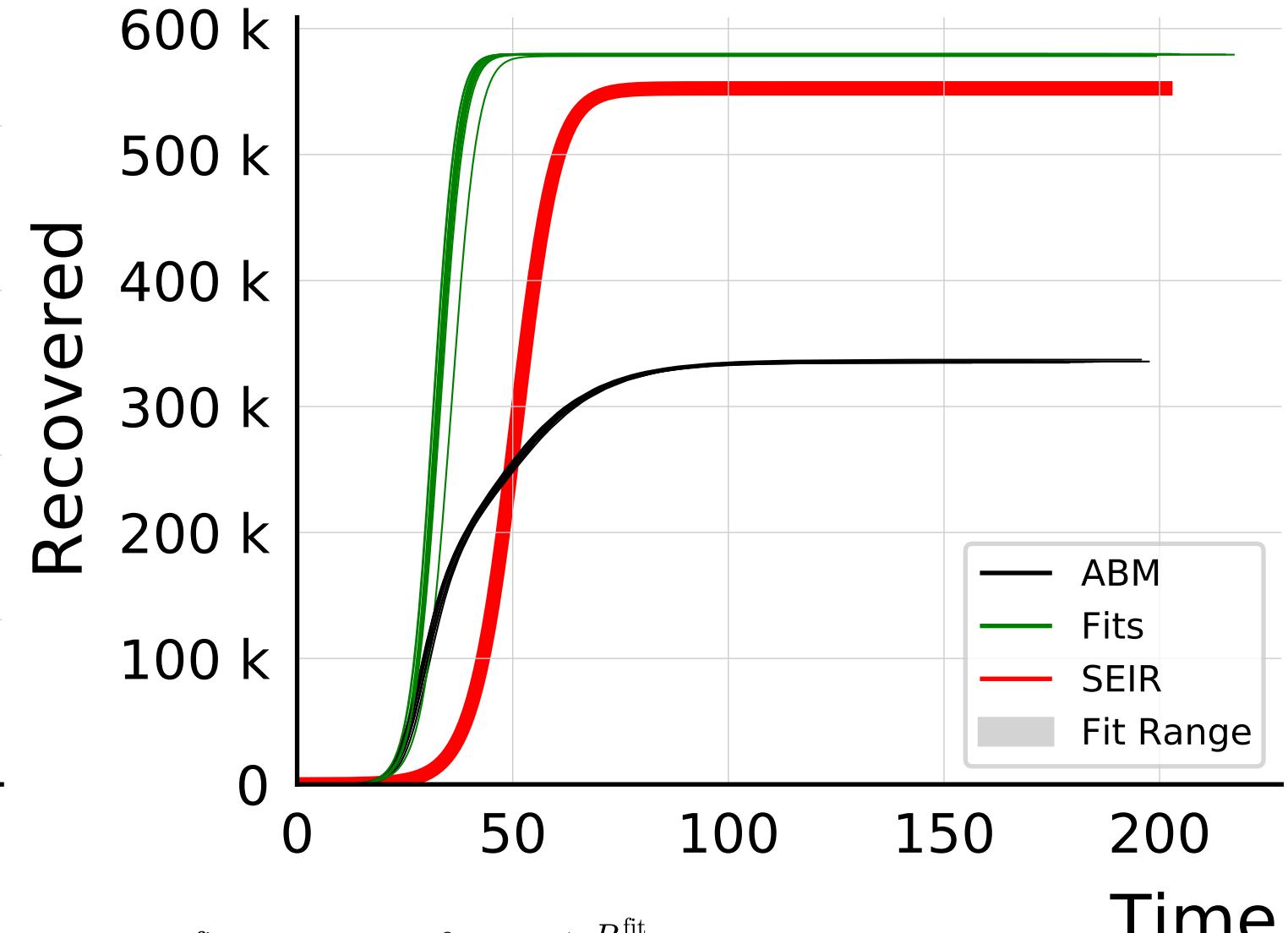


$$R_{\infty}^{\text{fit}} = 562_{-16}^{+8} \cdot 10^3 \quad \frac{R_{\text{inf}}^{\text{fit}}}{R_{\infty}^{\text{fit}}} = 2.75 \pm 0.018$$

$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 20.0$, $\sigma_\mu = 0.0$, $\beta = 0.04$, $\sigma_\beta = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, #10

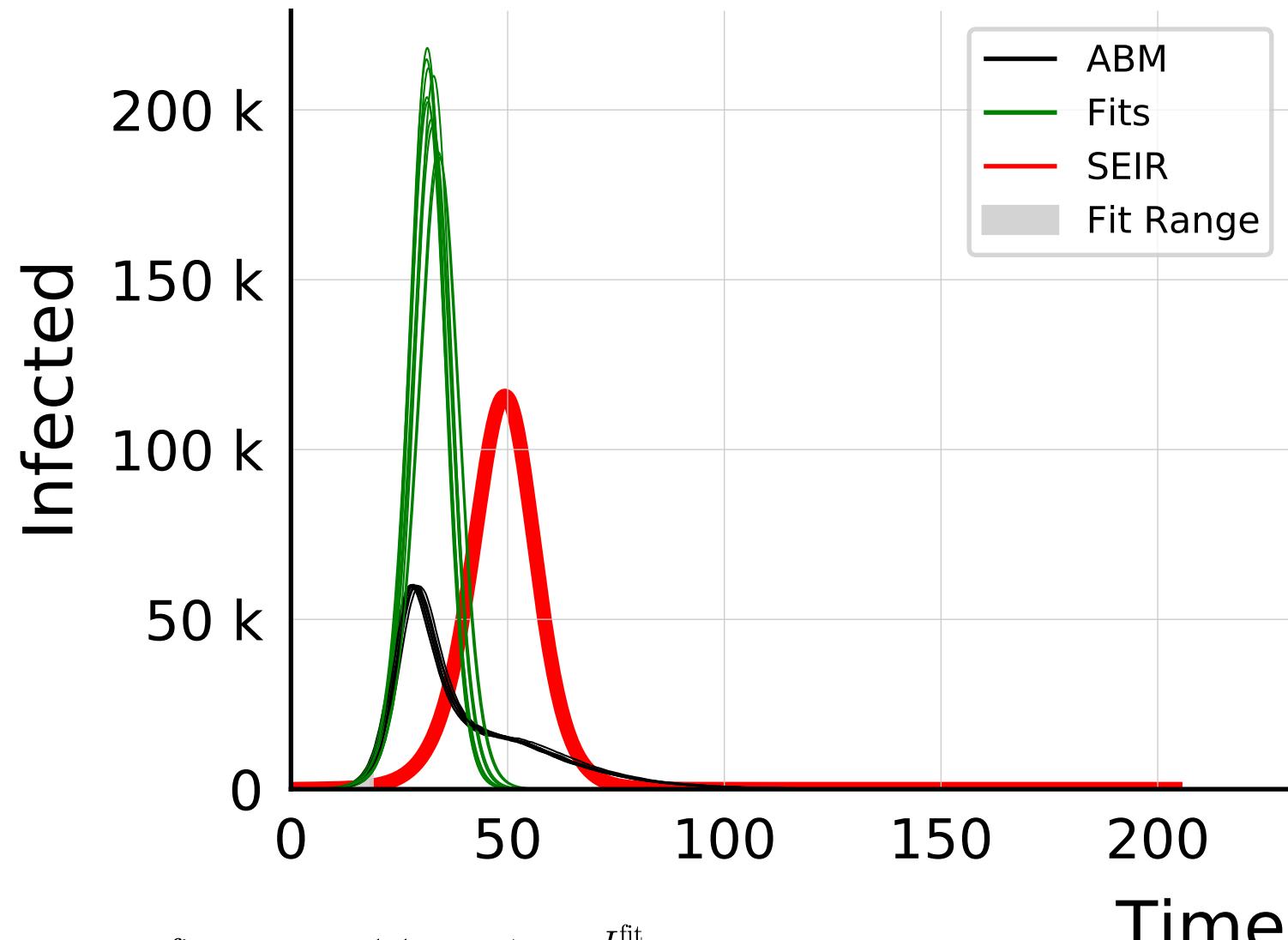


$$I_{\max}^{\text{fit}} = 215^{+5}_{-13} \cdot 10^3 \quad \frac{I_{\max}^{\text{fit}}}{I_{\max}^{\text{ABM}}} = 3.41 \pm 0.056$$

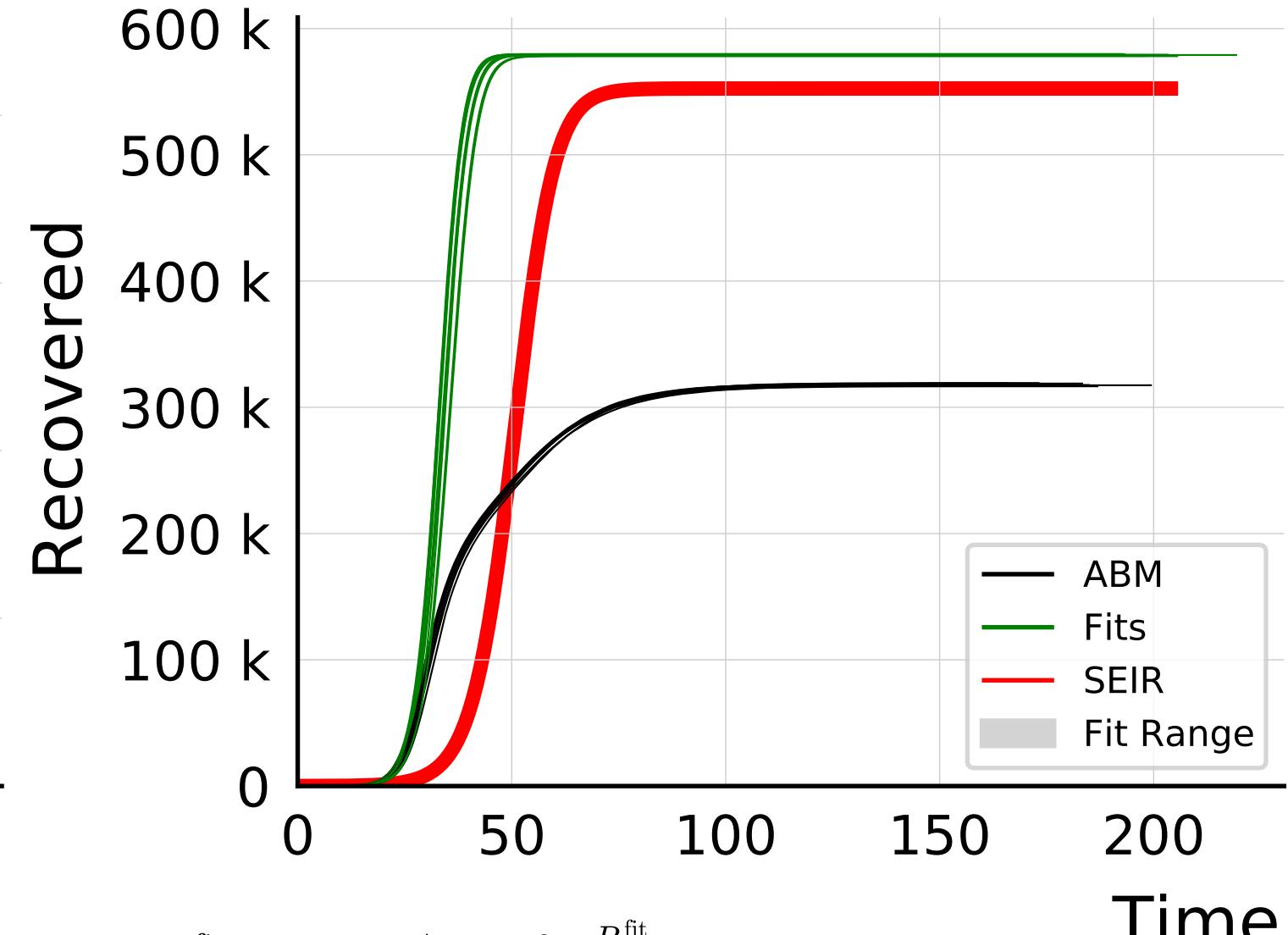


$$R_{\infty}^{\text{fit}} = 57974^{+9}_{-40} \cdot 10^1 \quad \frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{inf}}} = 1.727 \pm 0.0012$$

$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 20.0$, $\sigma_\mu = 0.0$, $\beta = 0.04$, $\sigma_\beta = 1.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, #10

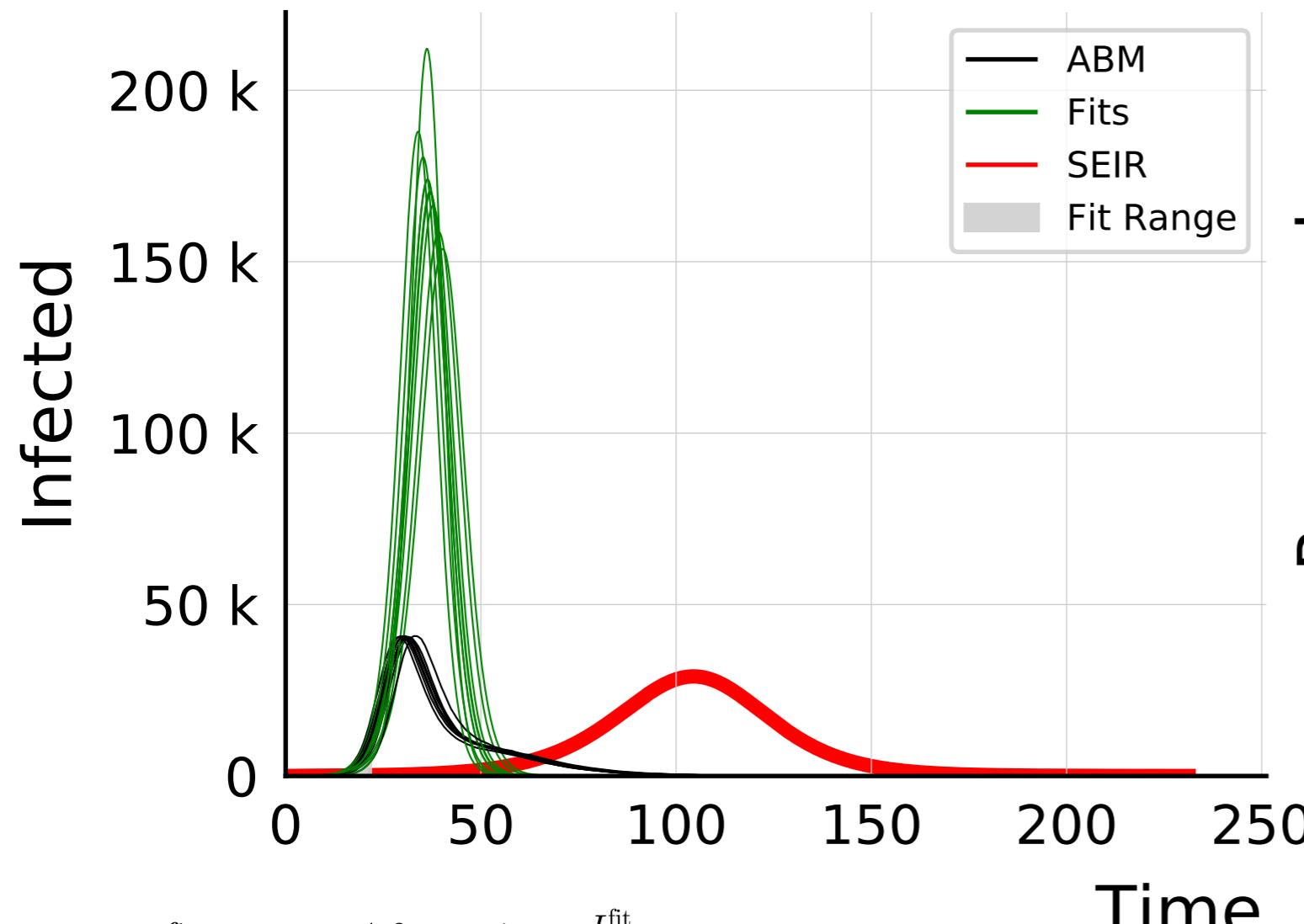


$$I_{\max}^{\text{fit}} = 20_{-1.5}^{+1.1} \cdot 10^4 \quad \frac{I_{\max}^{\text{fit}}}{I_{\max}^{\text{ABM}}} = 3.38 \pm 0.057$$

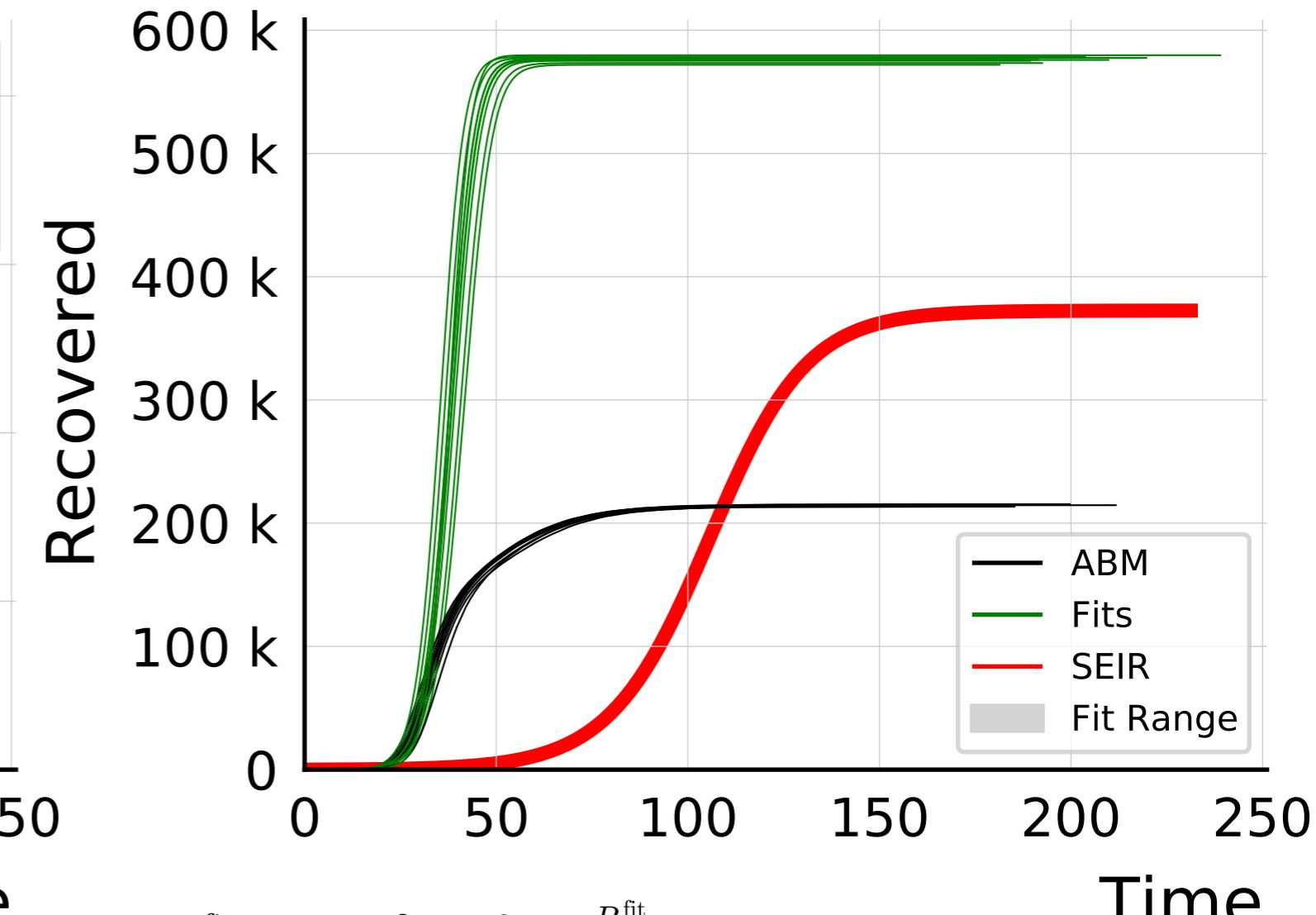


$$R_{\infty}^{\text{fit}} = 5794_{-11}^{+4} \cdot 10^2 \quad \frac{R_{\infty}^{\text{fit}}}{R_{\text{inf}}^{\text{fit}}} = 1.821 \pm 0.0014$$

$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 20.0$, $\sigma_\mu = 1.0$, $\beta = 0.02$, $\sigma_\beta = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, #10

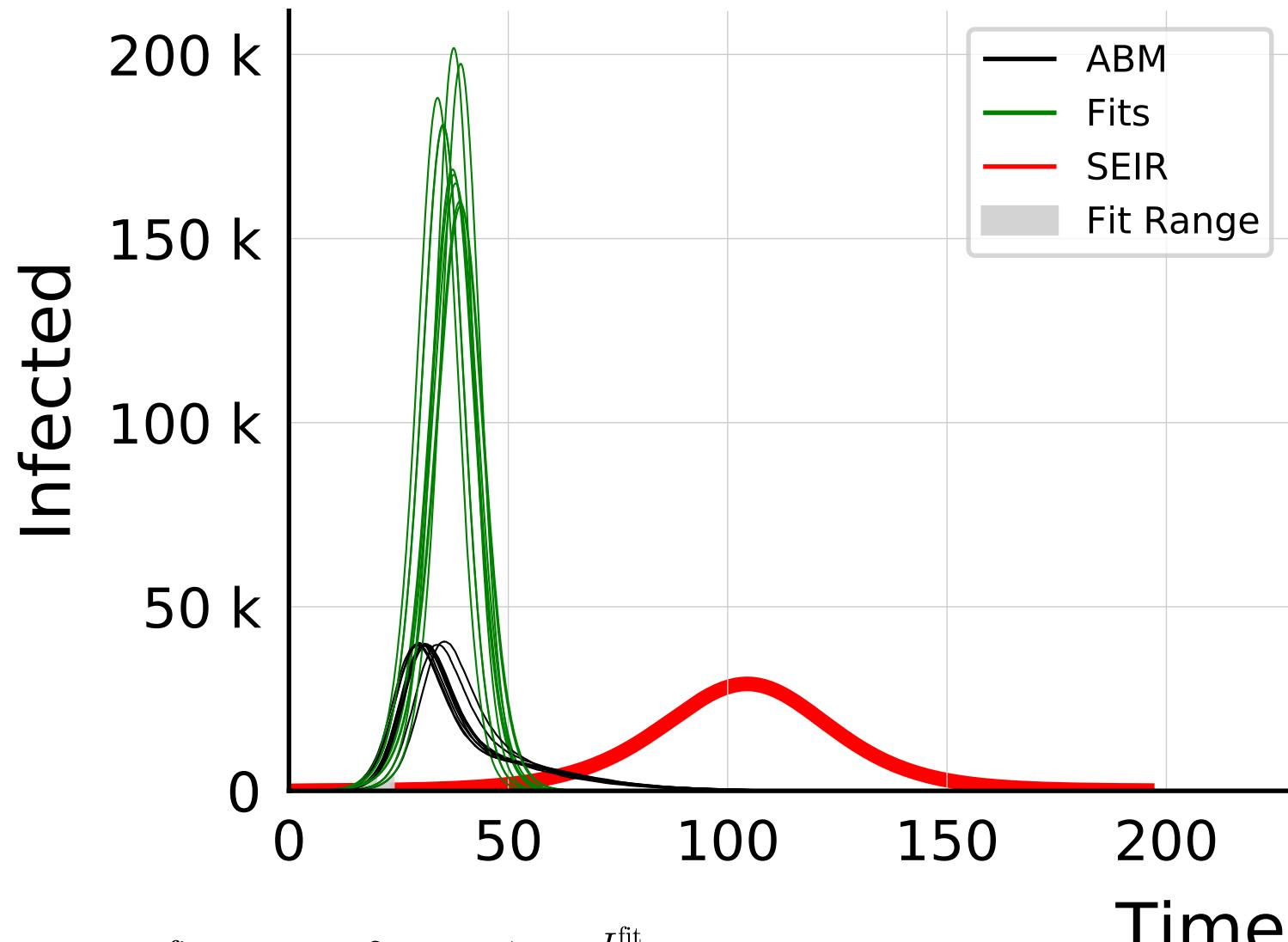


$$I_{\max}^{\text{fit}} = 17^{+1.6}_{-1.4} \cdot 10^4 \quad \frac{I_{\max}^{\text{fit}}}{I_{\max}^{\text{ABM}}} = 4.3 \pm 0.12$$

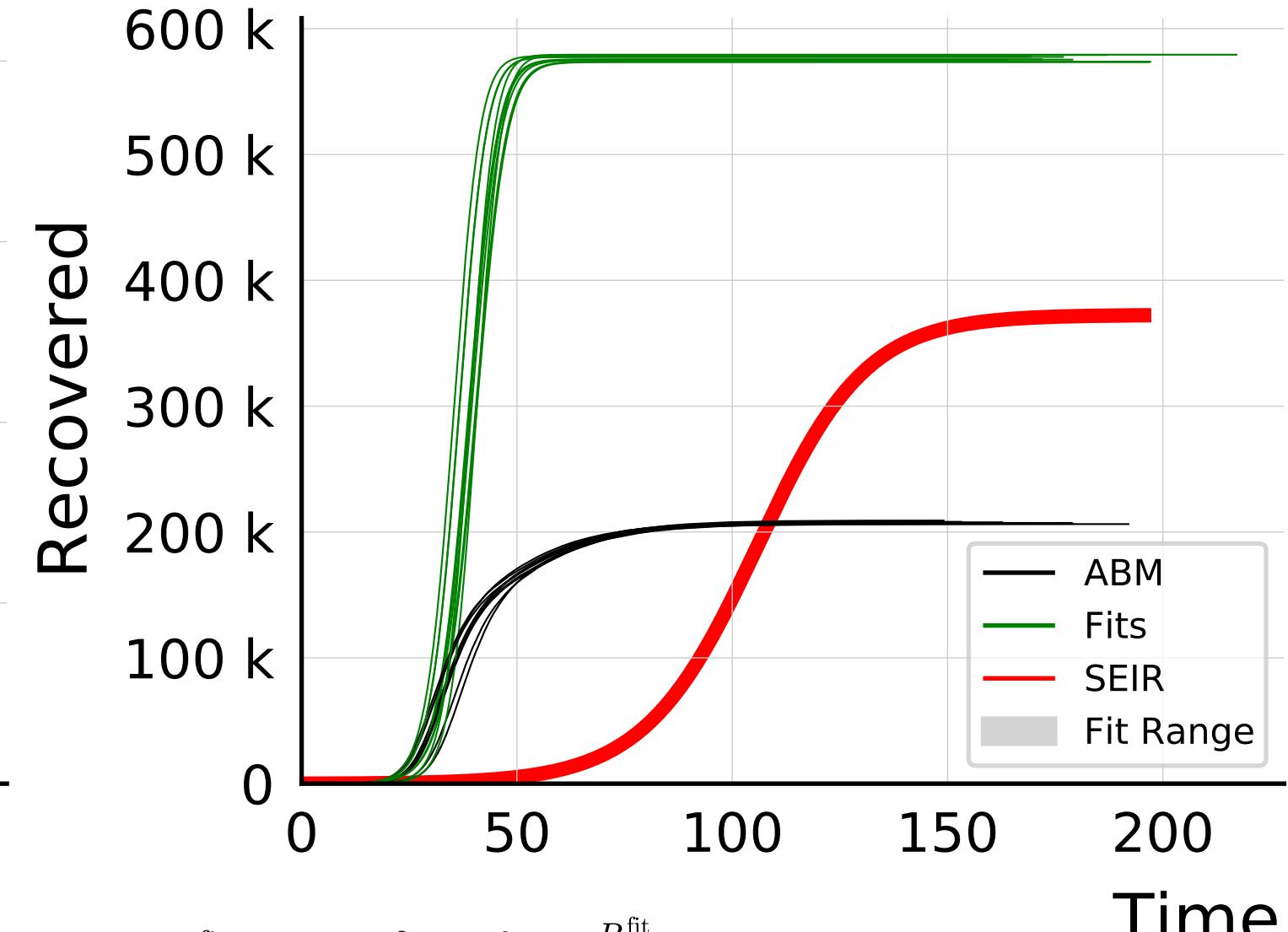


$$R_{\infty}^{\text{fit}} = 576^{+2}_{-3} \cdot 10^3 \quad \frac{R_{\text{inf}}^{\text{fit}}}{R_{\infty}^{\text{fit}}} = 2.688 \pm 0.0032$$

$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 20.0$, $\sigma_\mu = 1.0$, $\beta = 0.02$, $\sigma_\beta = 1.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, #10

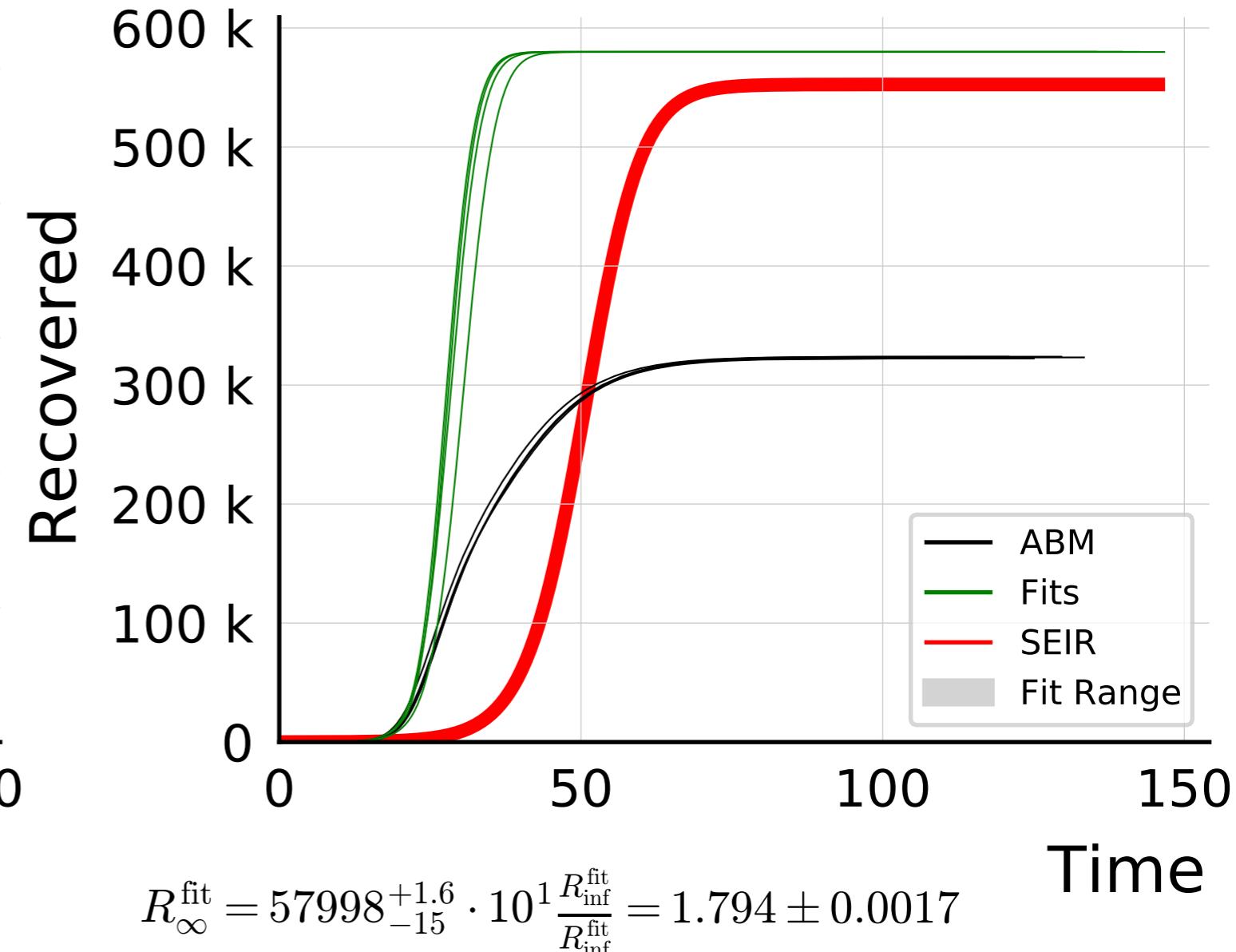
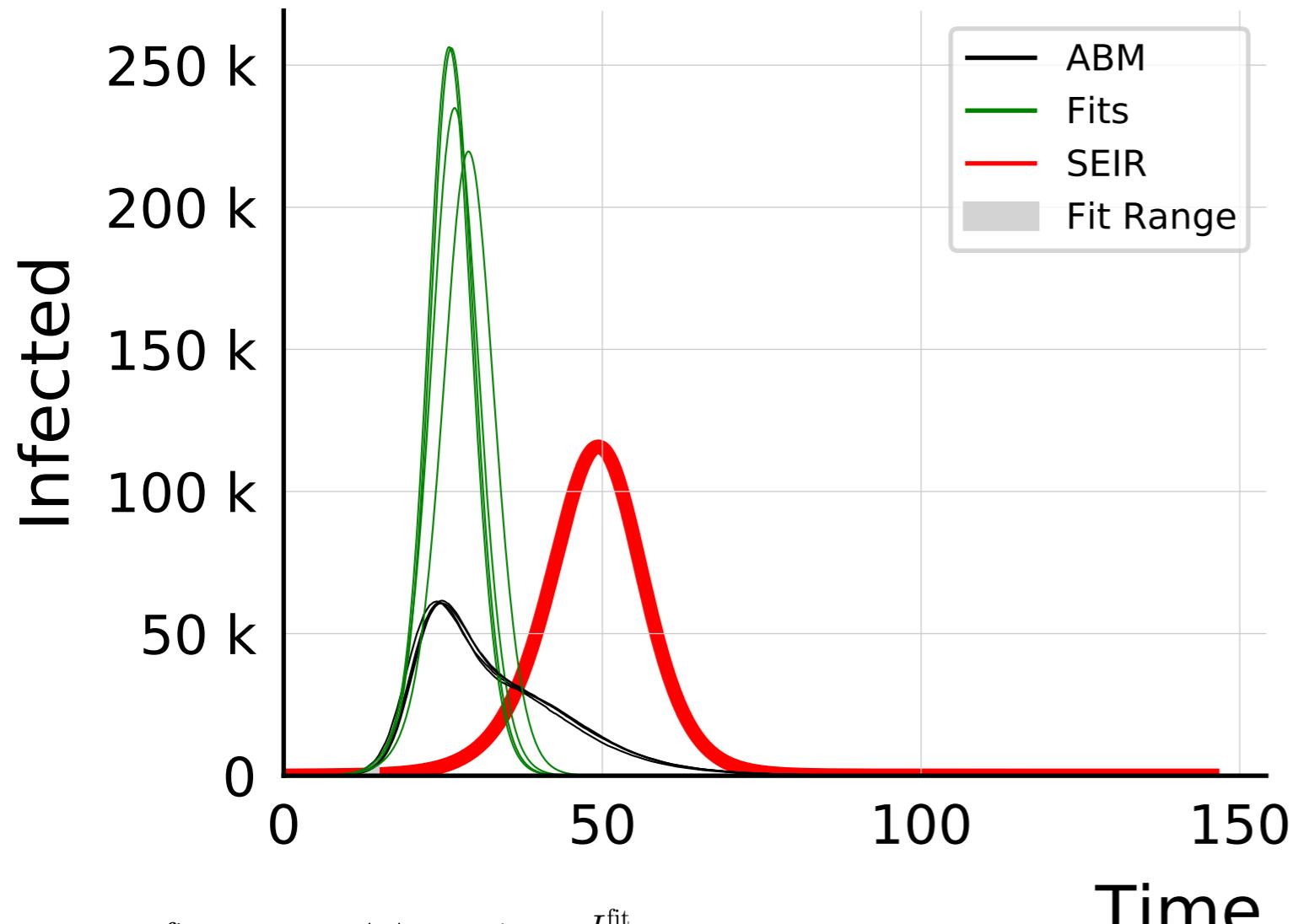


$$I_{\max}^{\text{fit}} = 17^{+2}_{-1.5} \cdot 10^4 \quad \frac{I_{\max}^{\text{fit}}}{I_{\max}^{\text{ABM}}} = 4.4 \pm 0.11$$

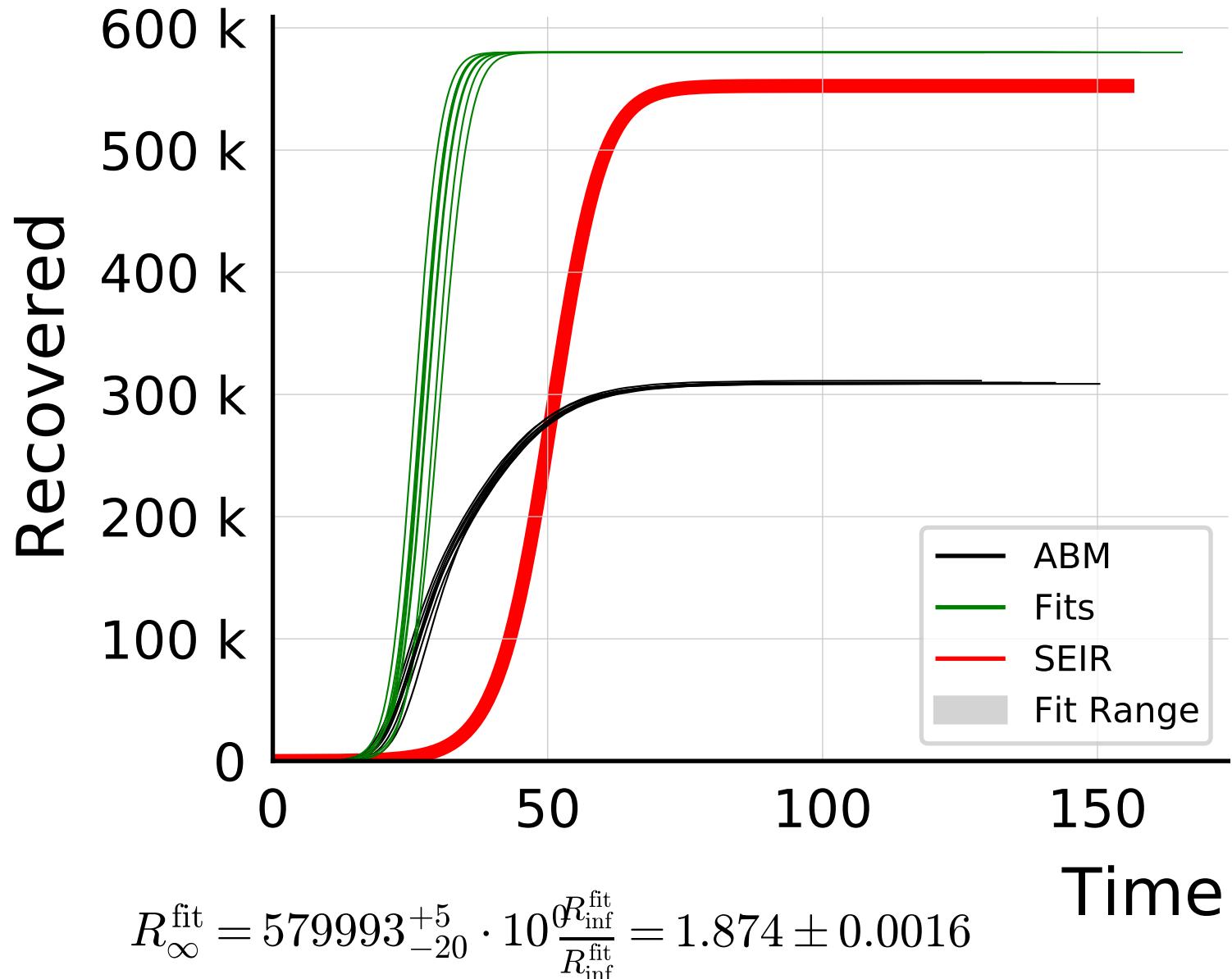
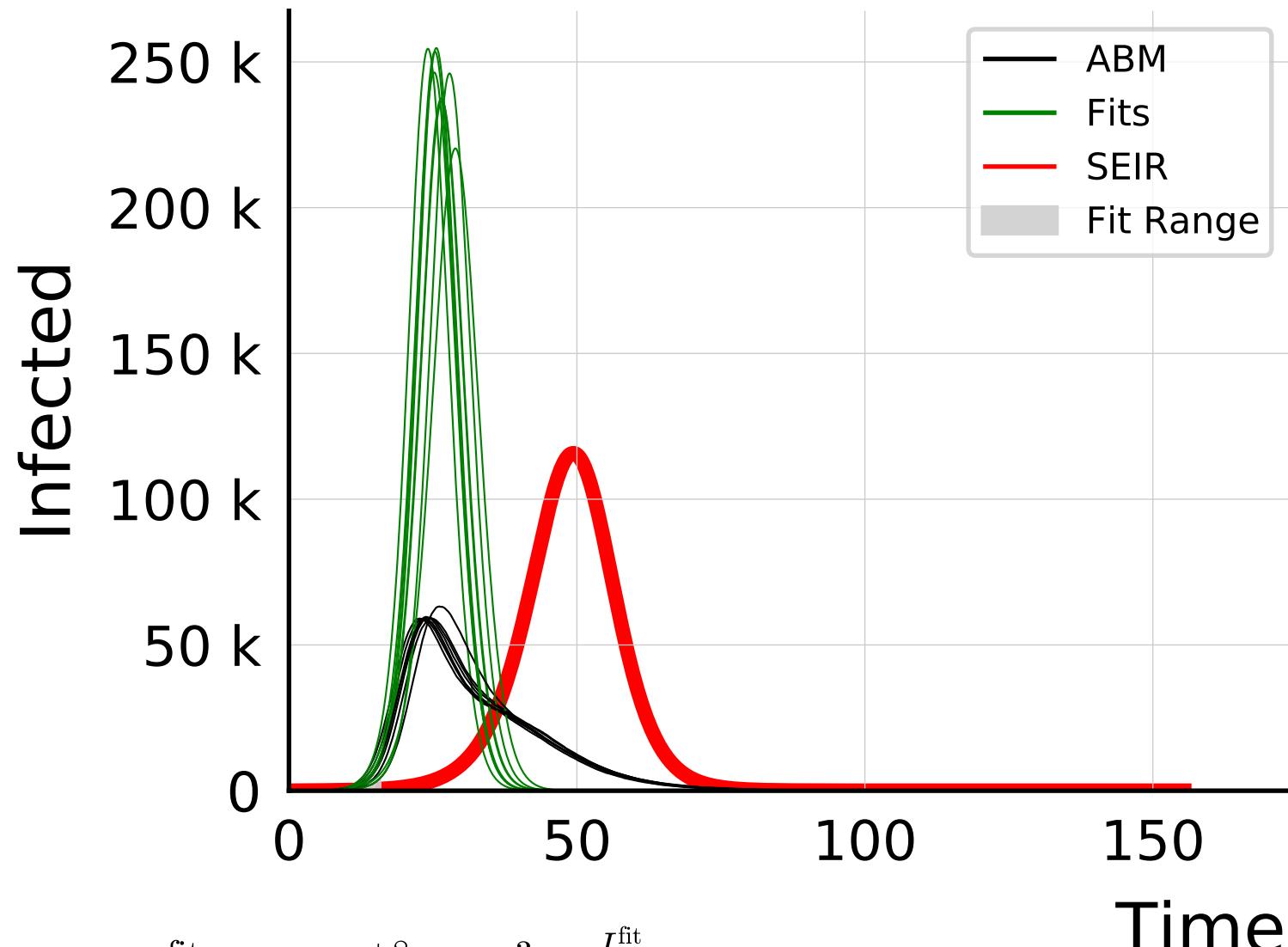


$$R_{\infty}^{\text{fit}} = 577^{+2}_{-3} \cdot 10^3 \quad \frac{R_{\text{inf}}^{\text{fit}}}{R_{\infty}^{\text{fit}}} = 2.781 \pm 0.0049$$

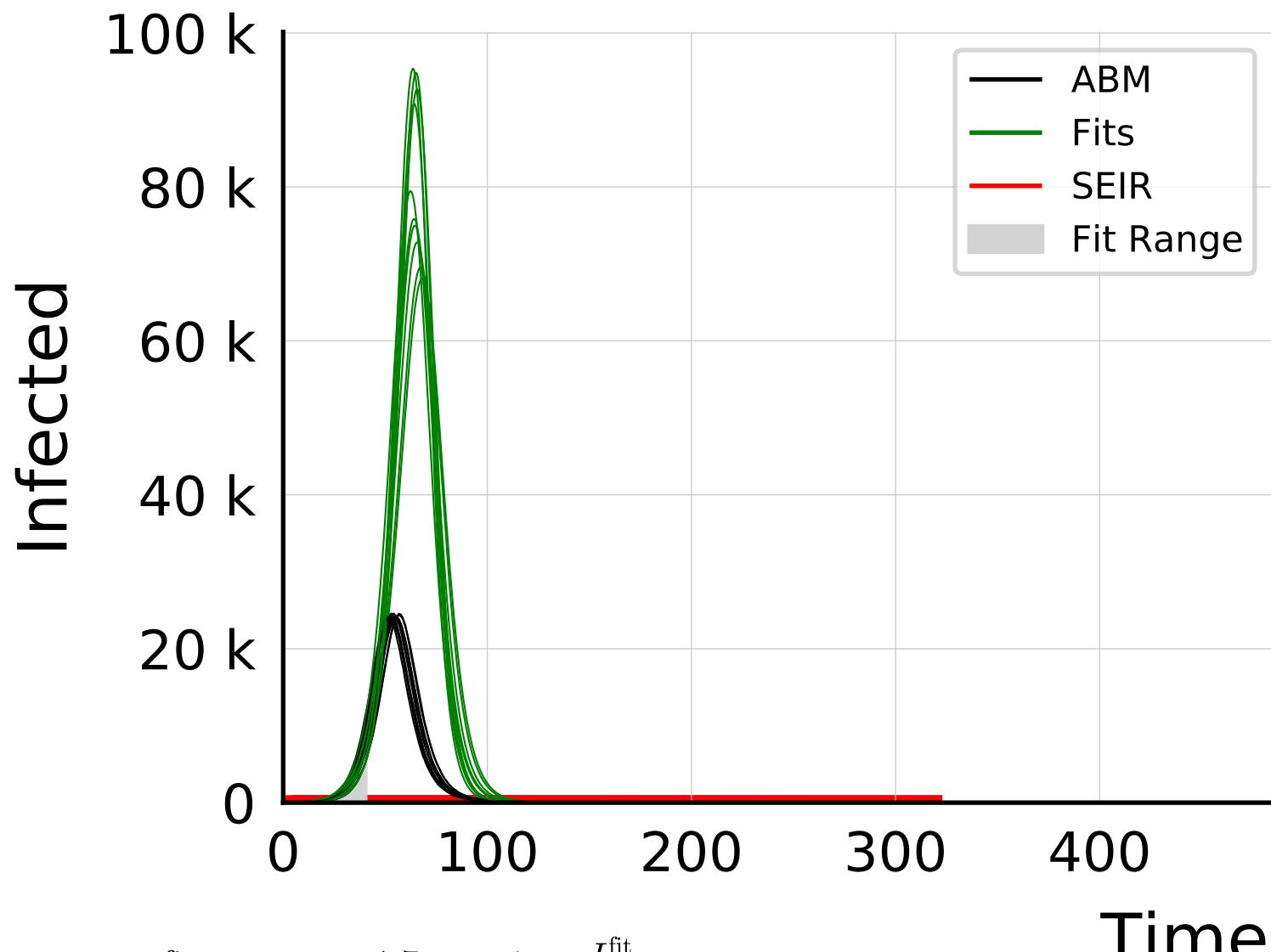
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 20.0$, $\sigma_\mu = 1.0$, $\beta = 0.04$, $\sigma_\beta = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, #4



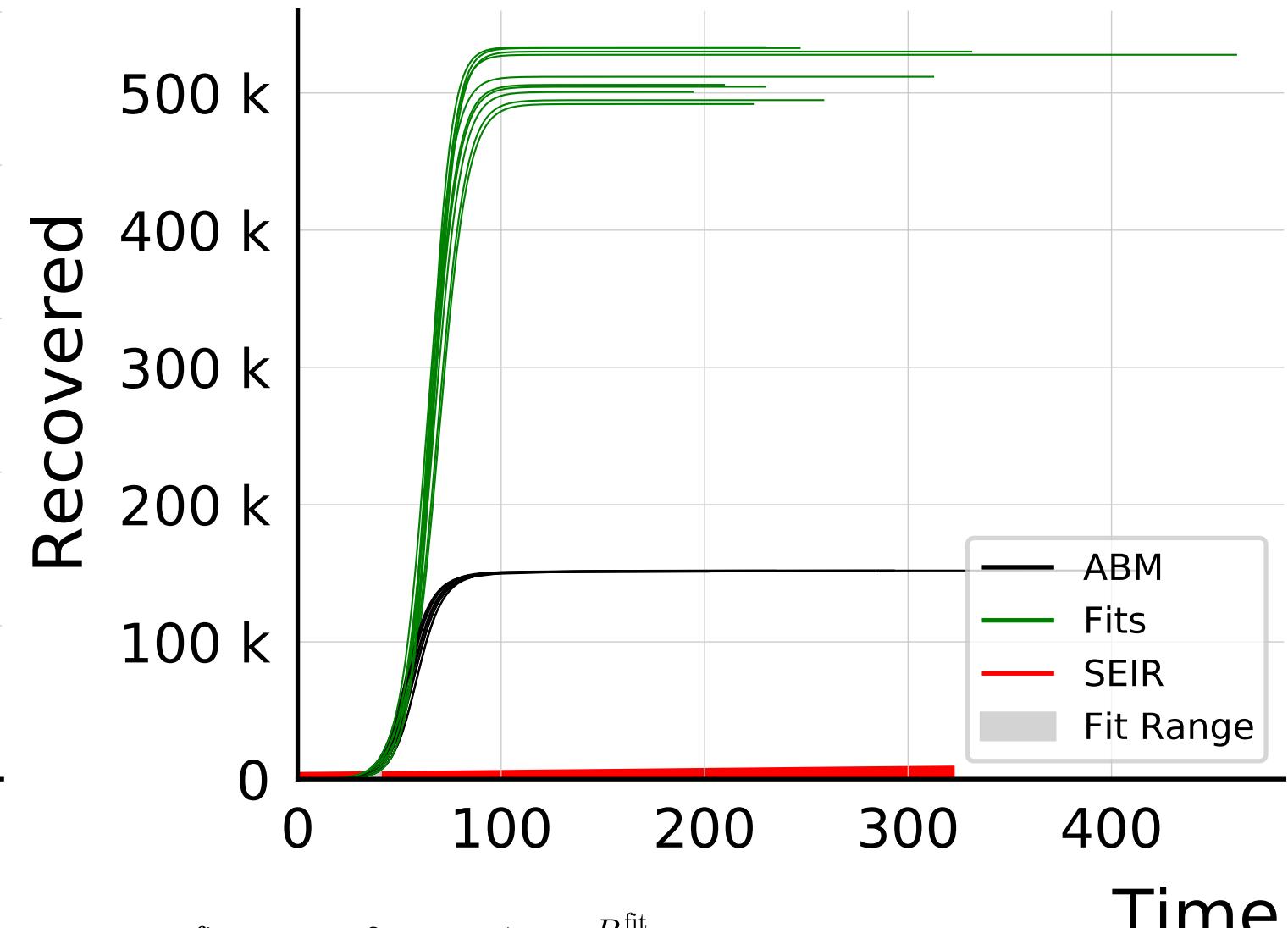
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 20.0$, $\sigma_\mu = 1.0$, $\beta = 0.04$, $\sigma_\beta = 1.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, #8



$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 25.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, #10

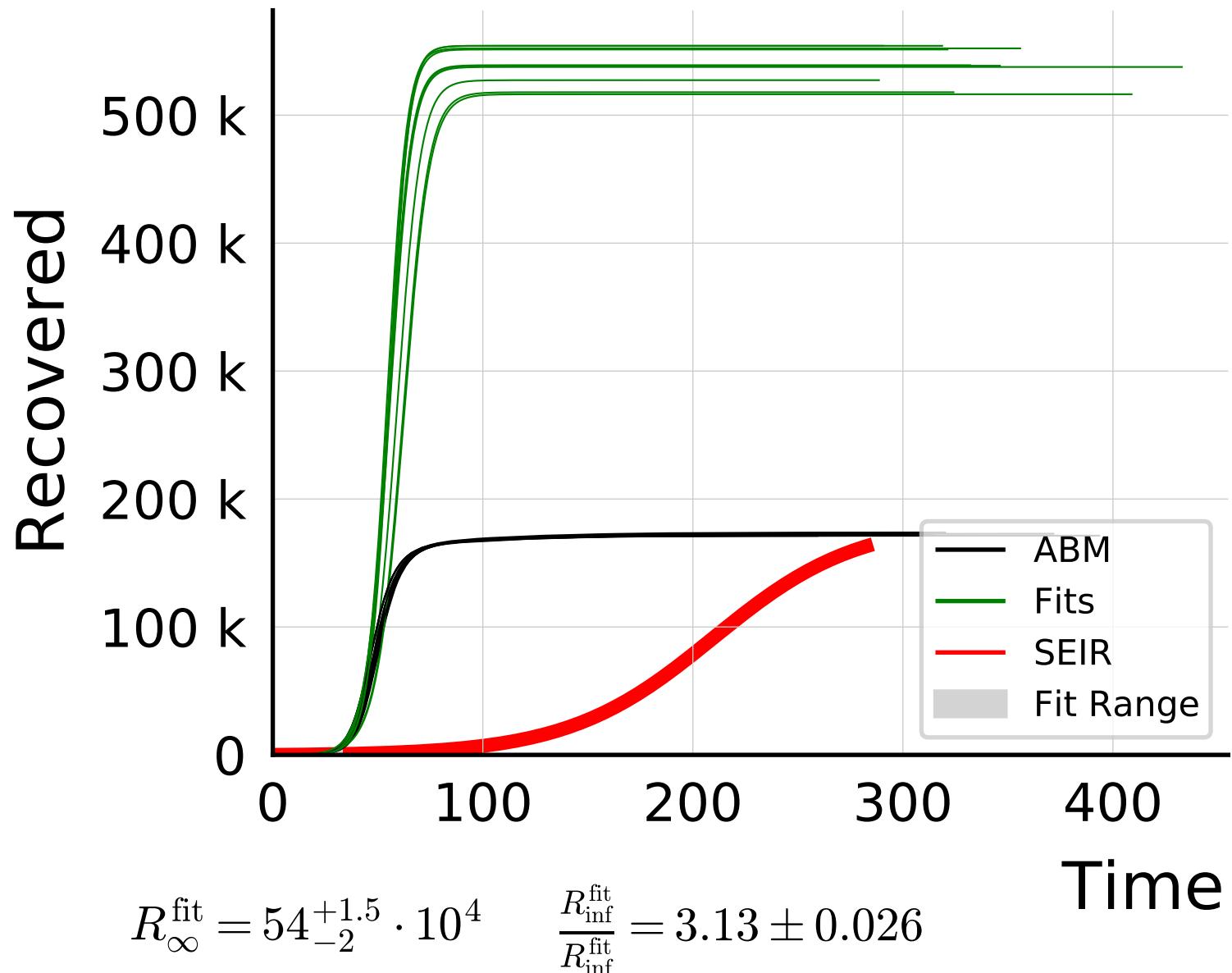
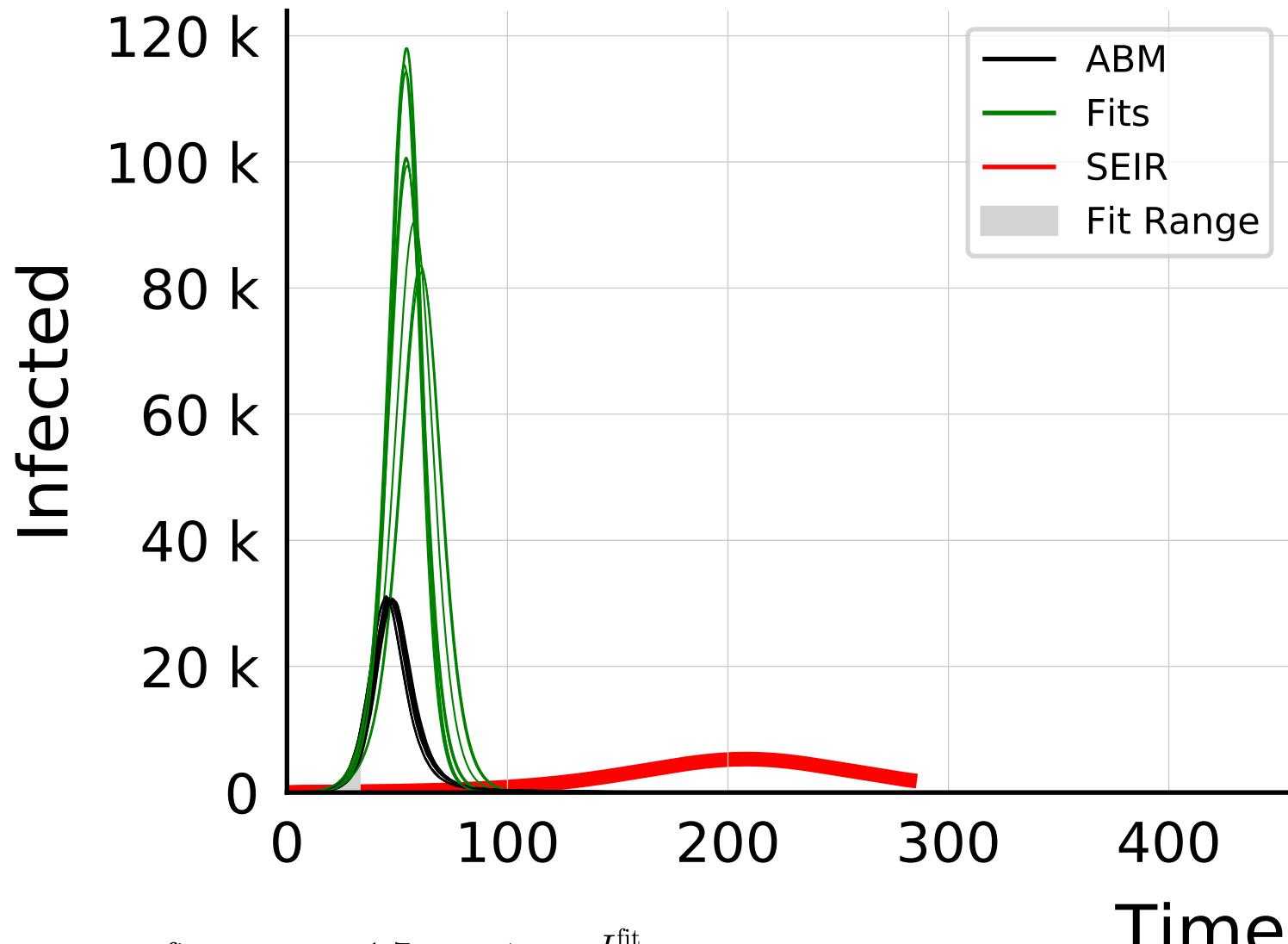


$$I_{\max}^{\text{fit}} = 7.8_{-0.8}^{+1.7} \cdot 10^4 \quad \frac{I_{\max}^{\text{fit}}}{I_{\max}^{\text{ABM}}} = 3.3 \pm 0.13$$

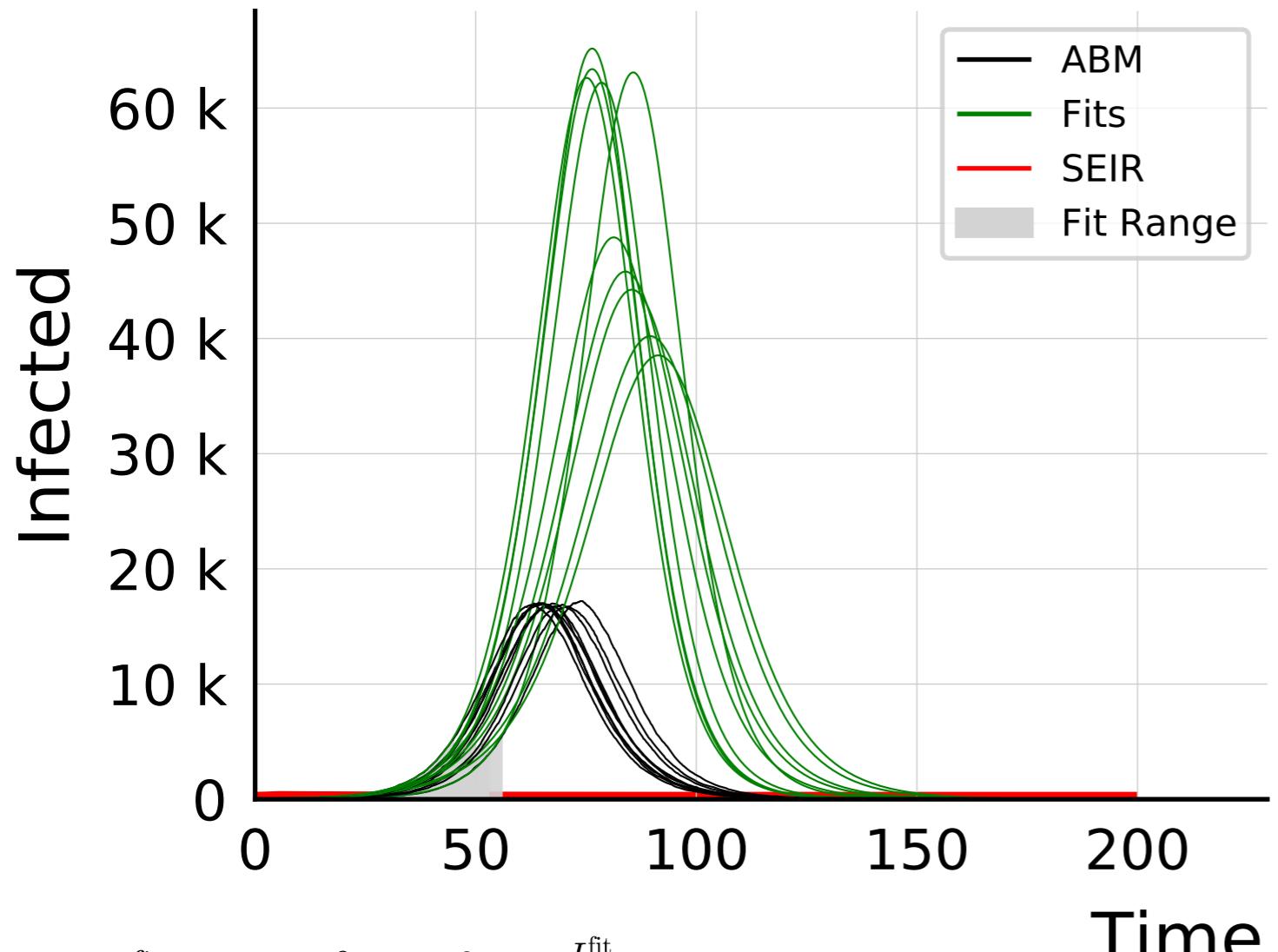


$$R_{\infty}^{\text{fit}} = 51_{-1.4}^{+2} \cdot 10^4 \quad \frac{R_{\text{inf}}^{\text{fit}}}{R_{\infty}^{\text{fit}}} = 3.39 \pm 0.032$$

$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 30.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, #10

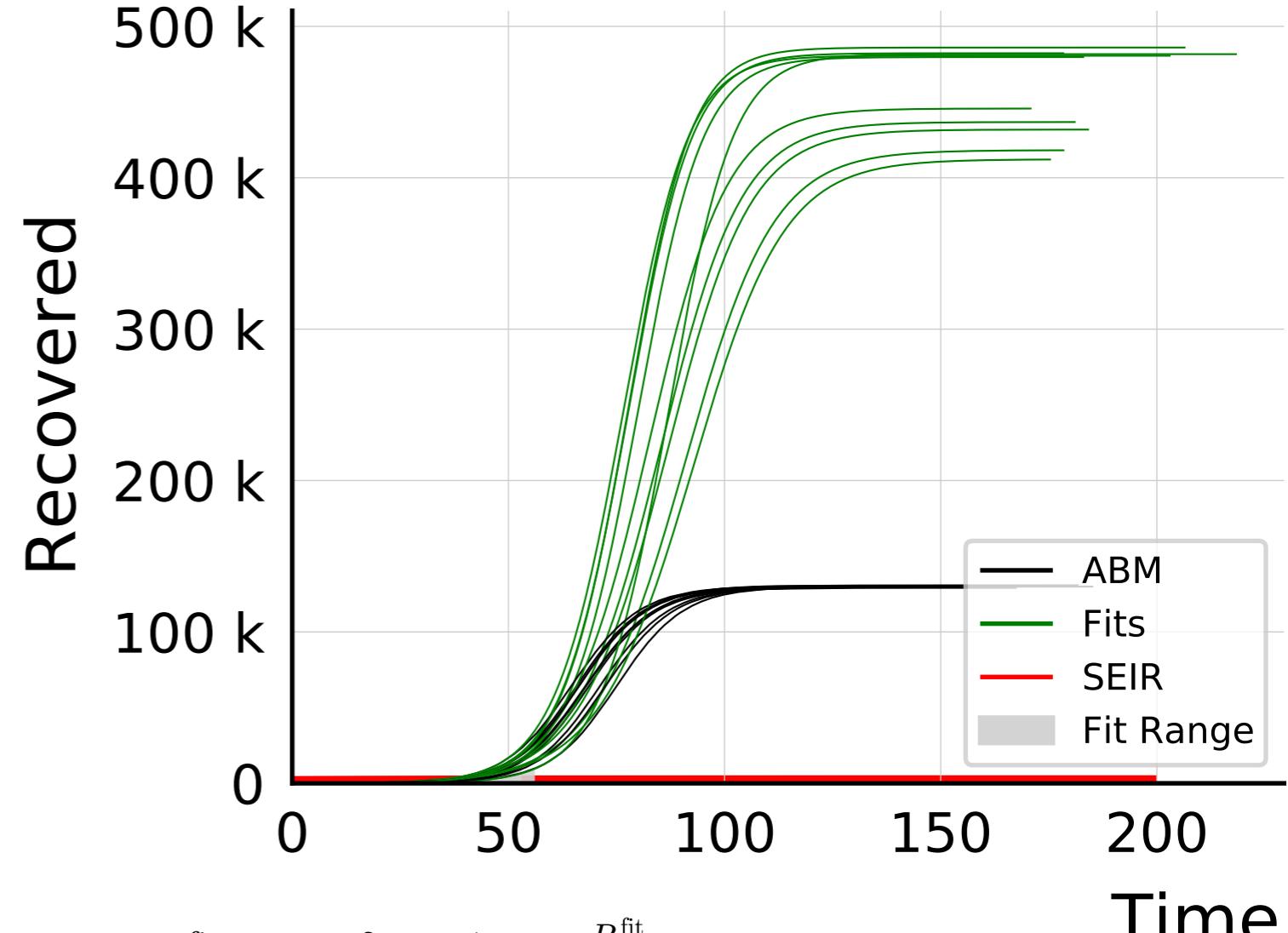


$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.005$, $\sigma_\beta = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, #10



$$I_{\max}^{\text{fit}} = 55_{-14}^{+9} \cdot 10^3$$

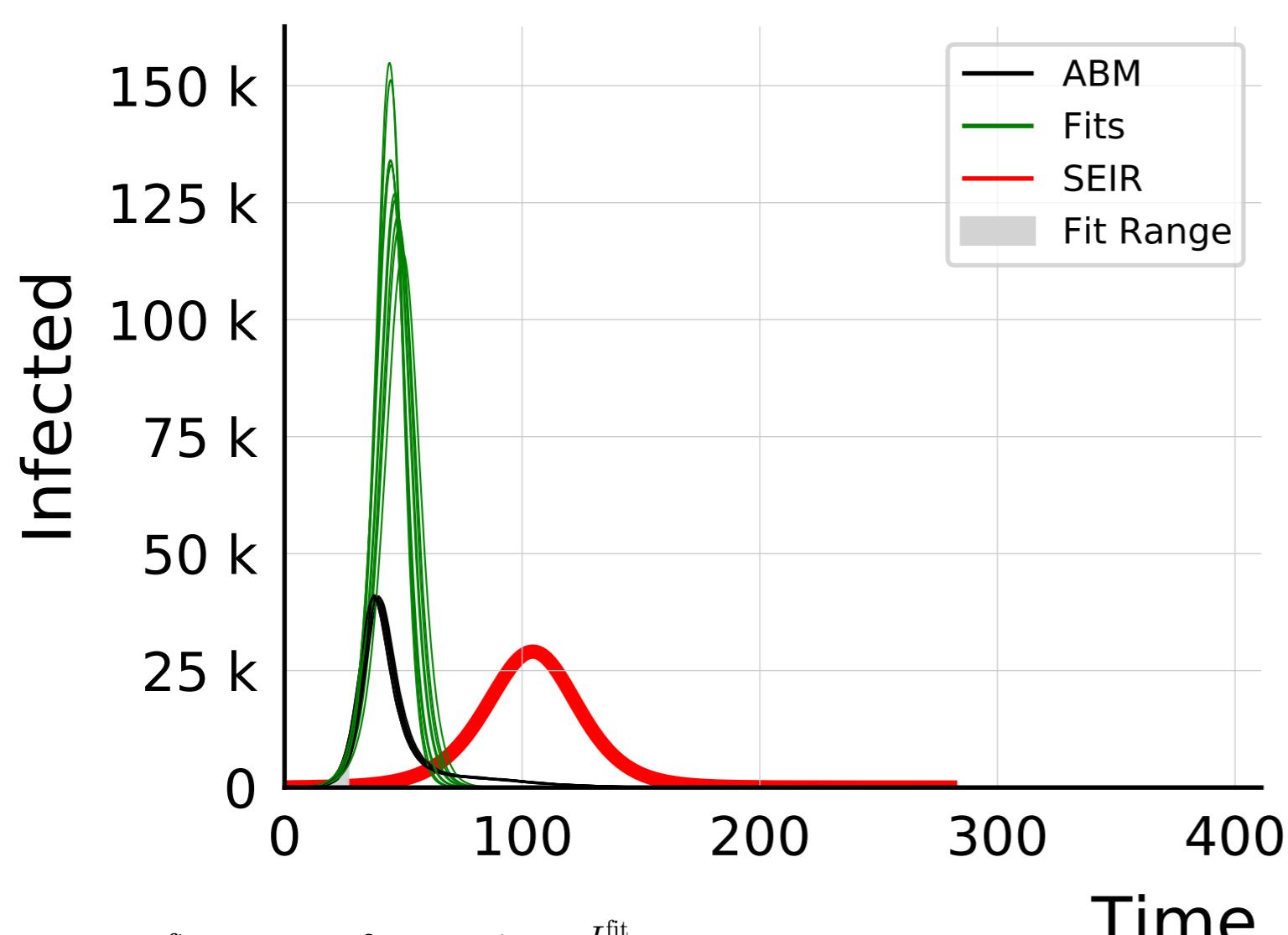
$$\frac{I_{\max}^{\text{fit}}}{I_{\max}^{\text{ABM}}} = 3.2 \pm 0.19$$



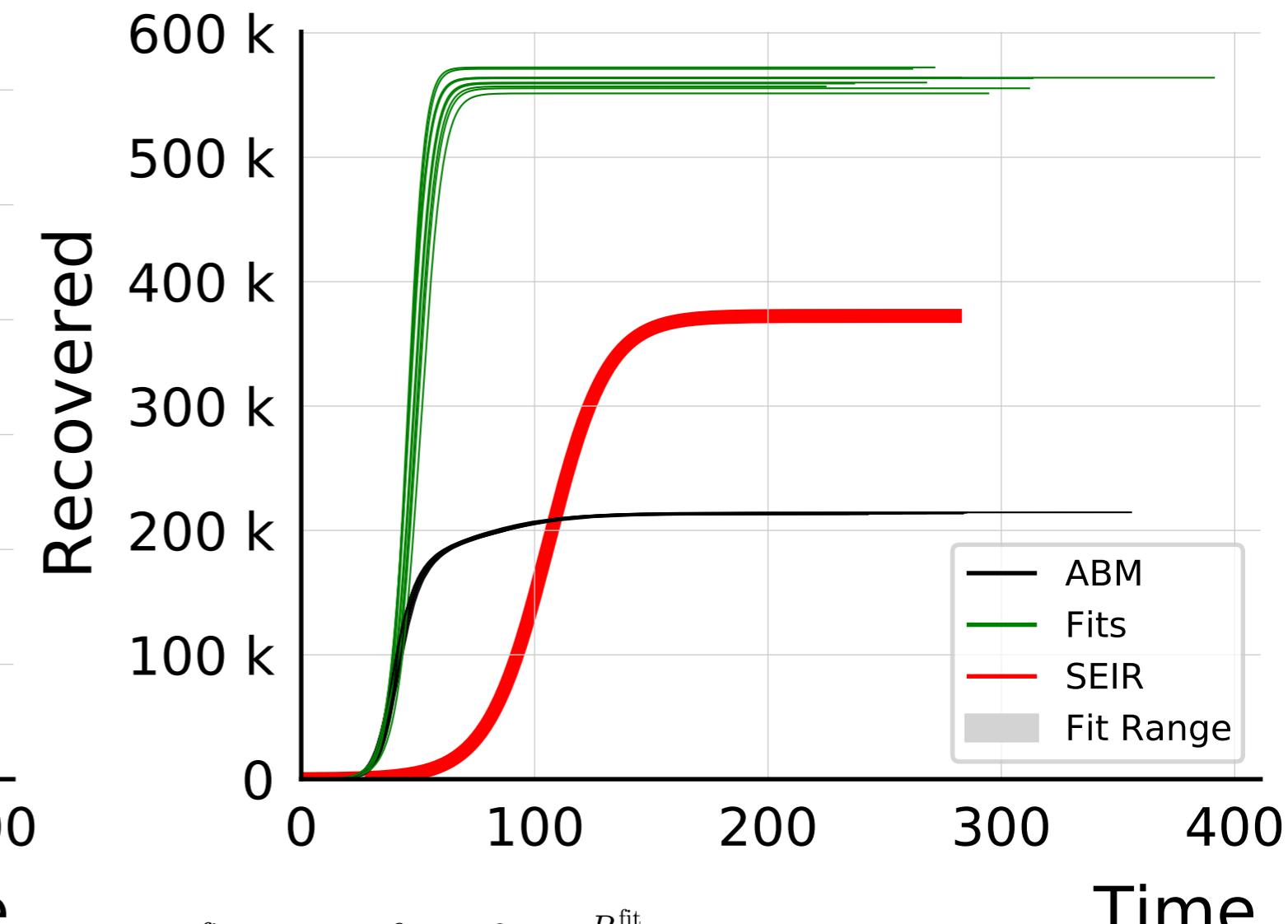
$$R_{\infty}^{\text{fit}} = 46_{-4}^{+2} \cdot 10^4$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\text{inf}}^{\text{fit}}} = 3.51 \pm 0.065$$

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

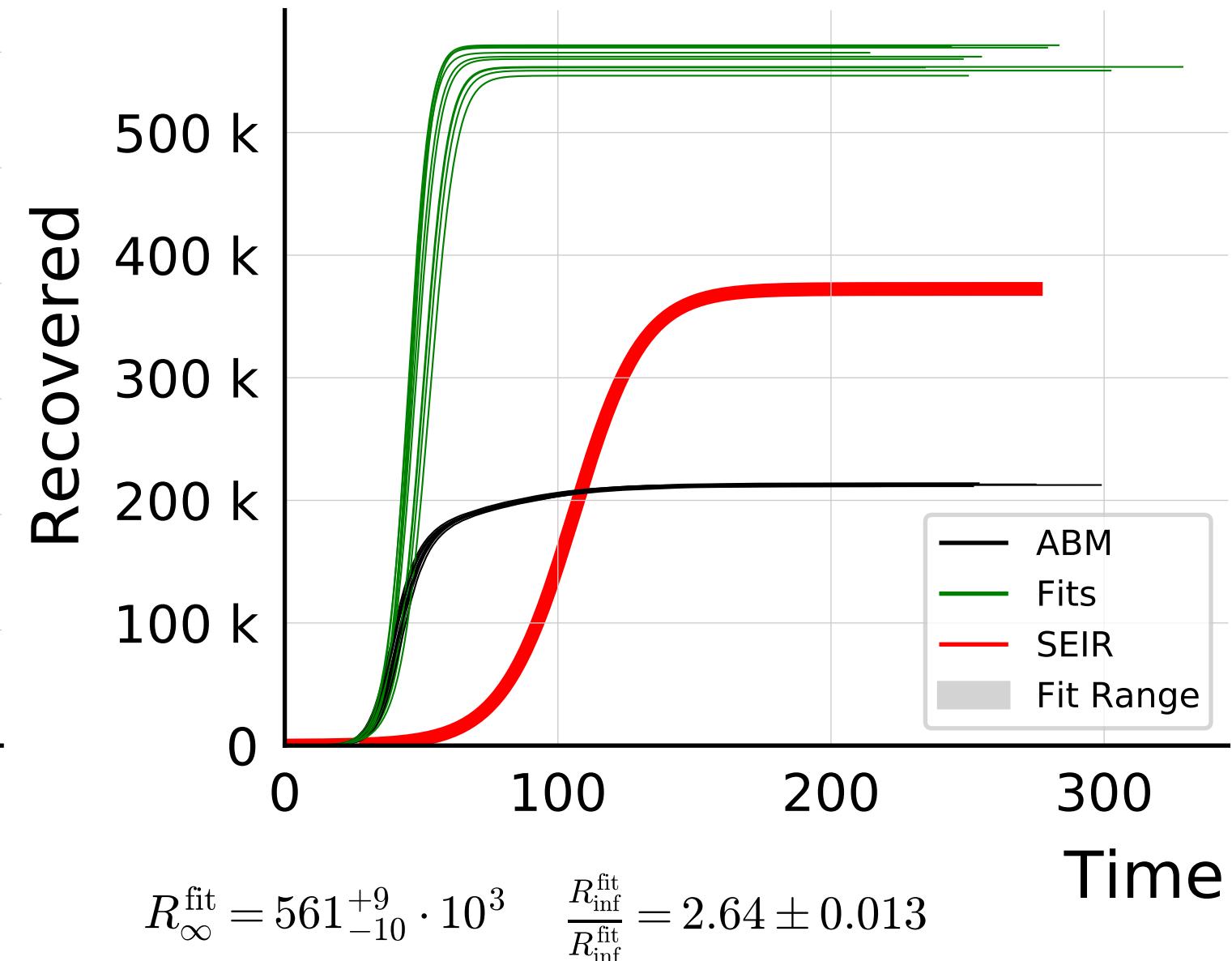
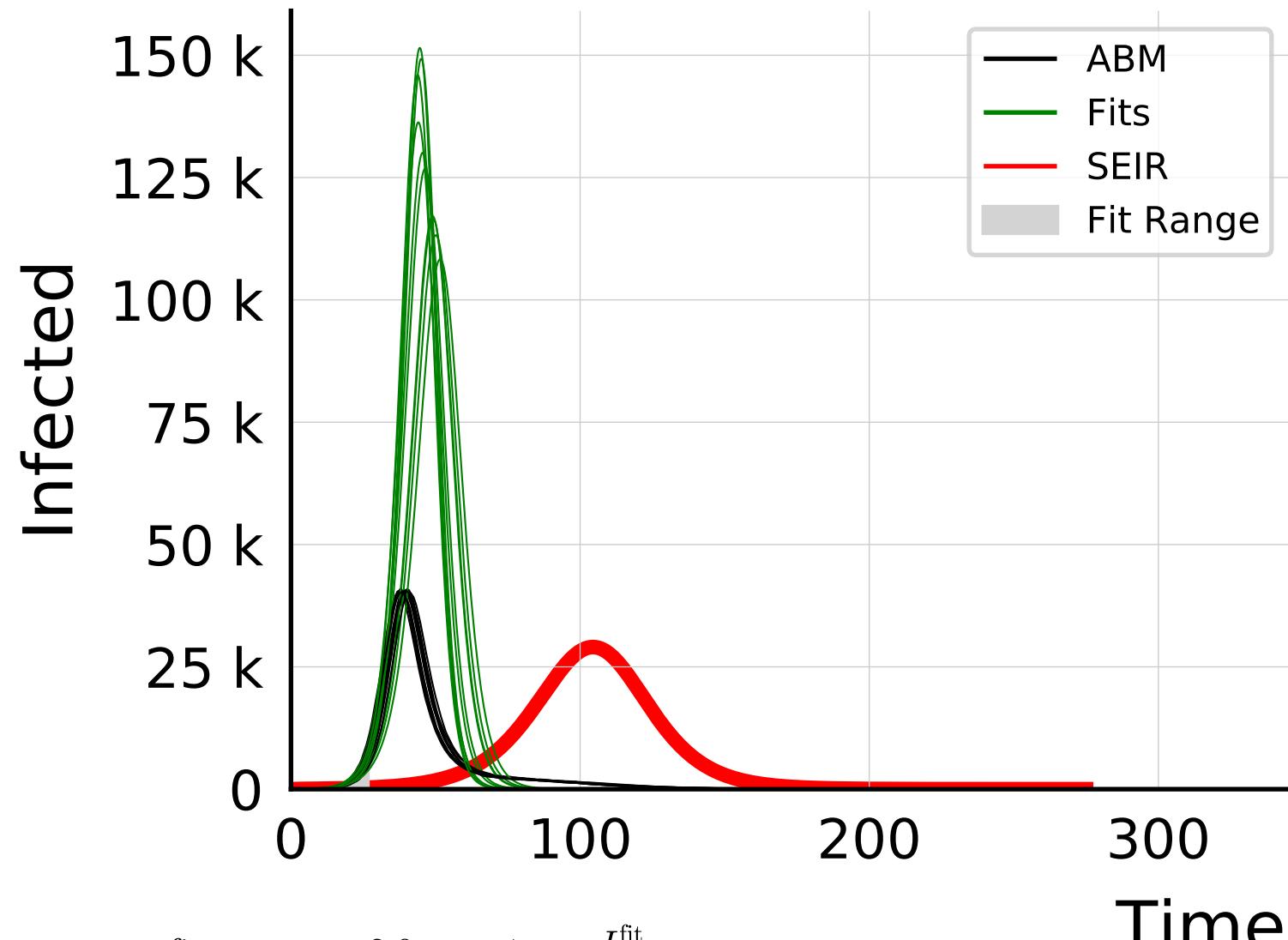


$$I_{\max}^{\text{fit}} = 13_{-1.0}^{+2} \cdot 10^4 \quad \frac{I_{\max}^{\text{fit}}}{I_{\max}^{\text{ABM}}} = 3.23 \pm 0.094$$

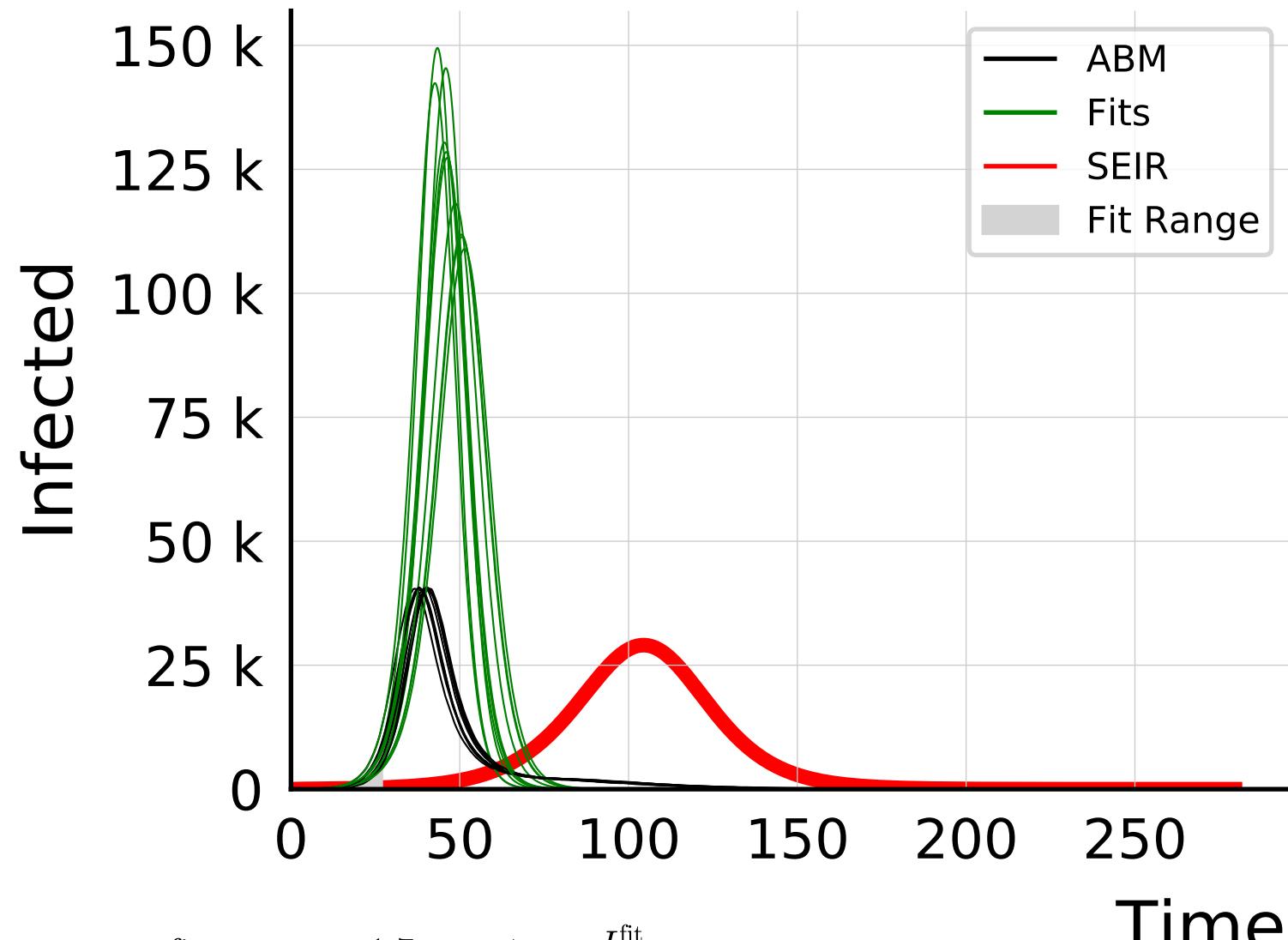


$$R_{\infty}^{\text{fit}} = 562_{-6}^{+9} \cdot 10^3 \quad \frac{R_{\infty}^{\text{fit}}}{R_{\text{inf}}^{\text{fit}}} = 2.63 \pm 0.010$$

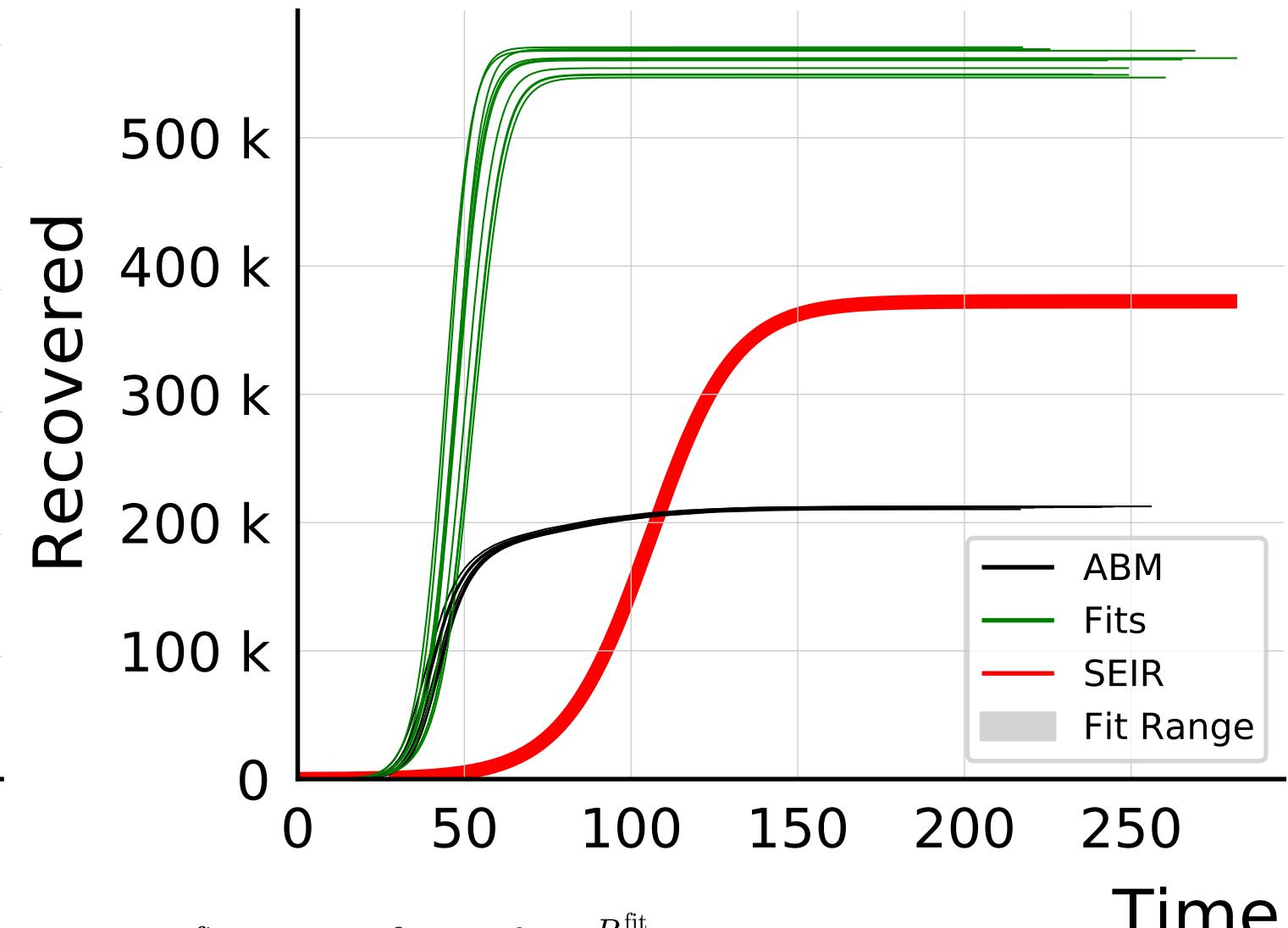
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.25$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, #10



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

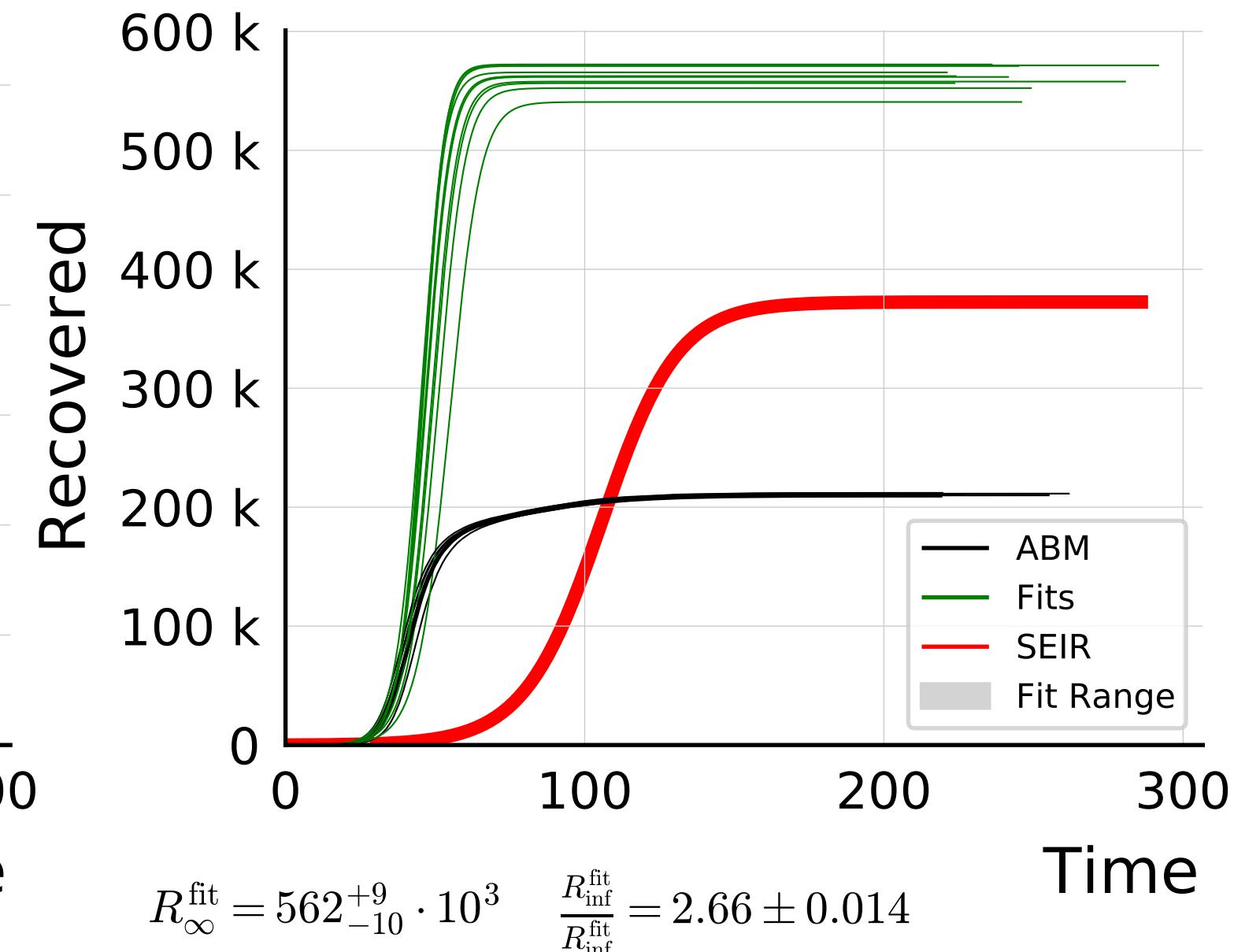
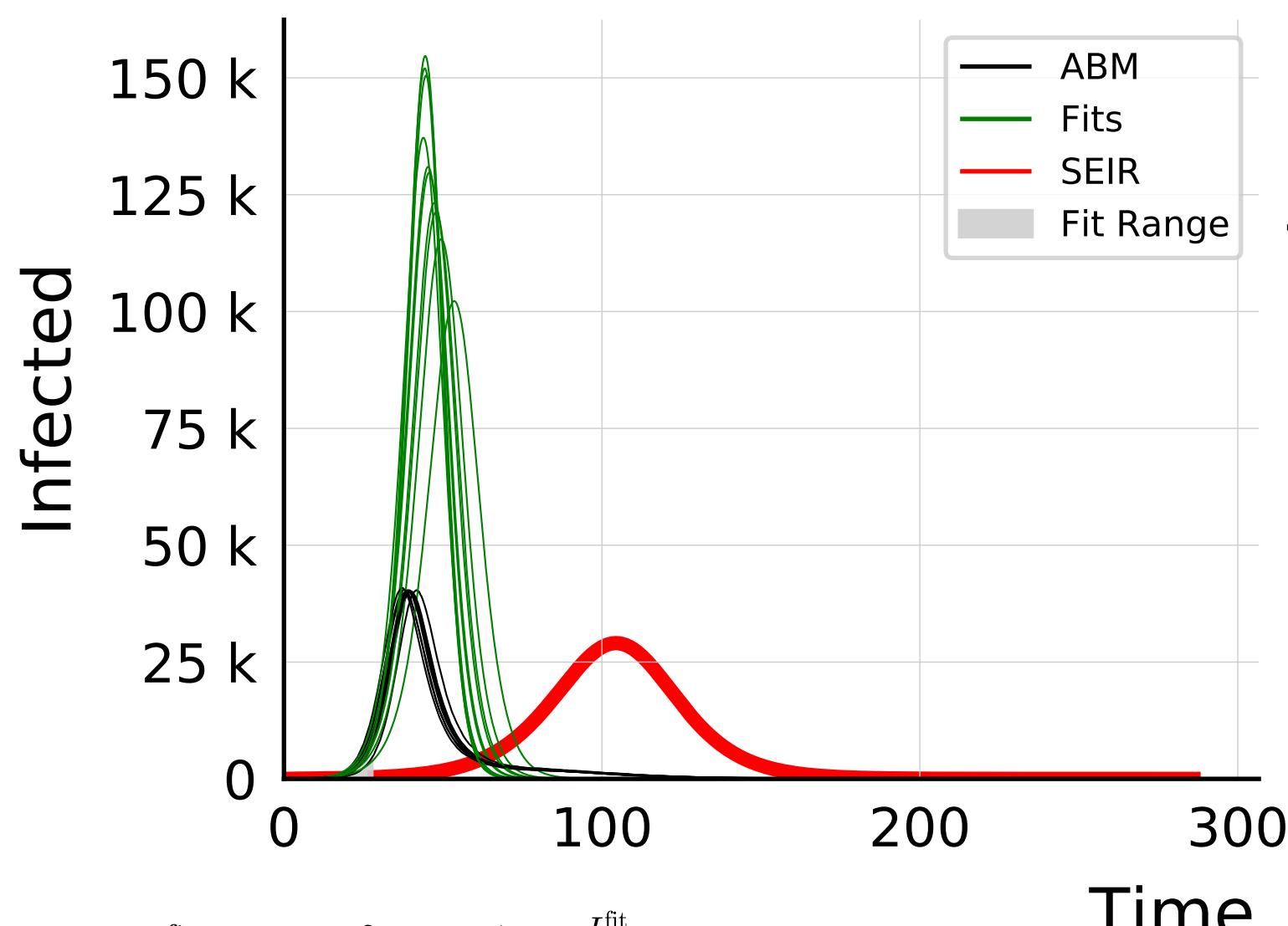


$$I_{\max}^{\text{fit}} = 13^{+1.7}_{-1.7} \cdot 10^4 \quad \frac{I_{\max}^{\text{fit}}}{I_{\max}^{\text{ABM}}} = 3.1 \pm 0.11$$

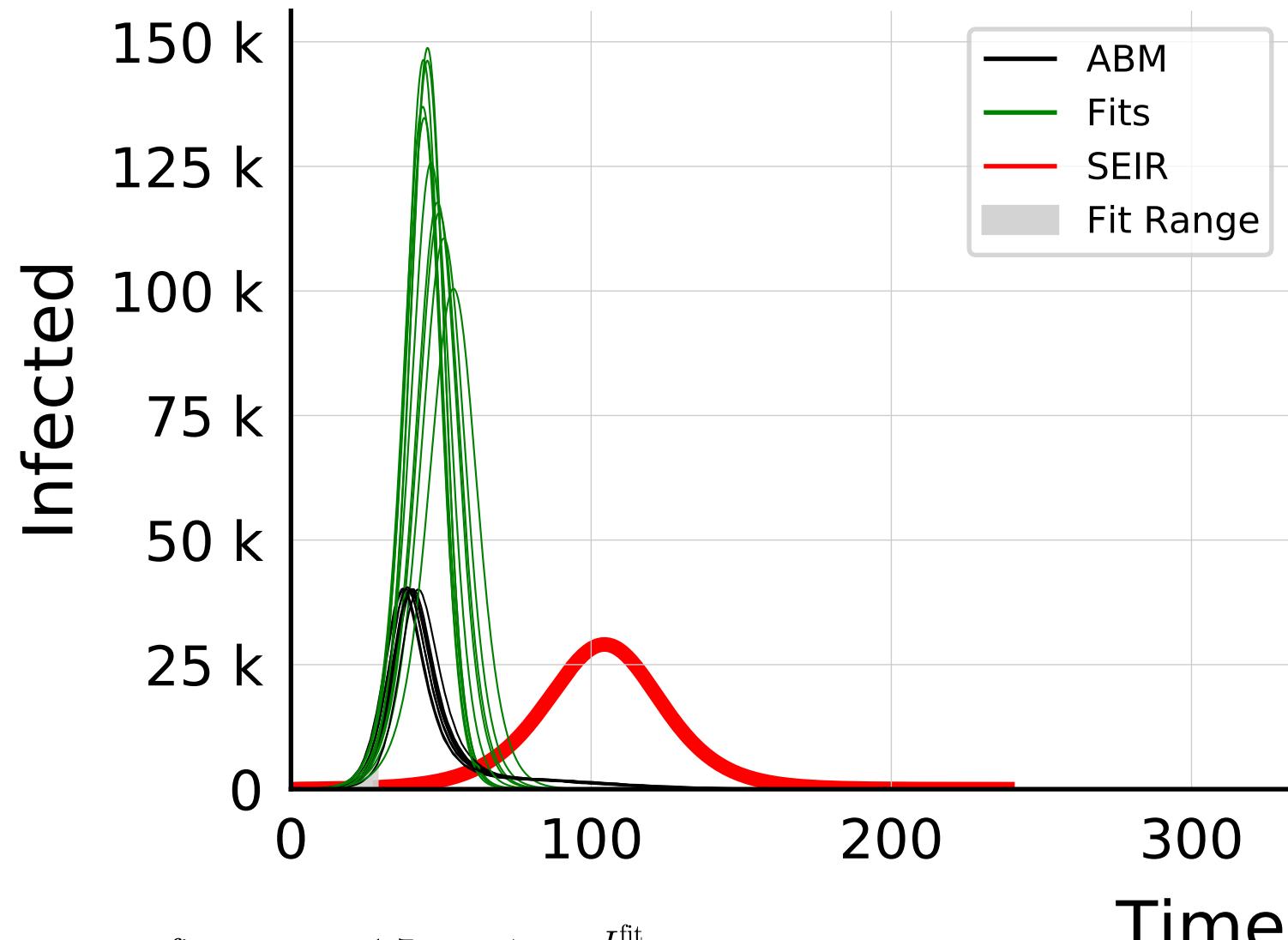


$$R_{\infty}^{\text{fit}} = 561^{+8}_{-12} \cdot 10^3 \quad \frac{R_{\text{inf}}^{\text{fit}}}{R_{\text{inf}}} = 2.64 \pm 0.012$$

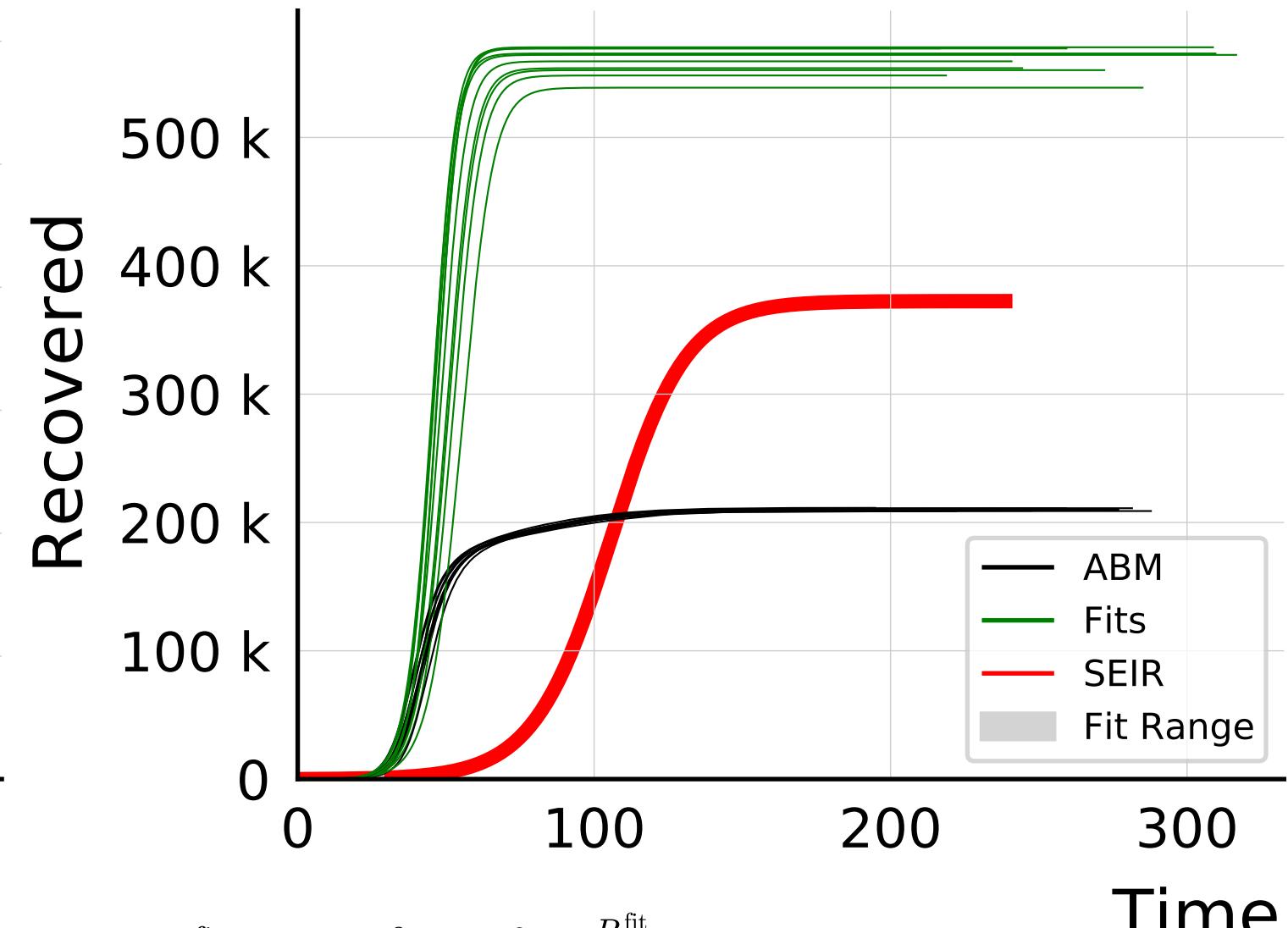
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.75$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, #10



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

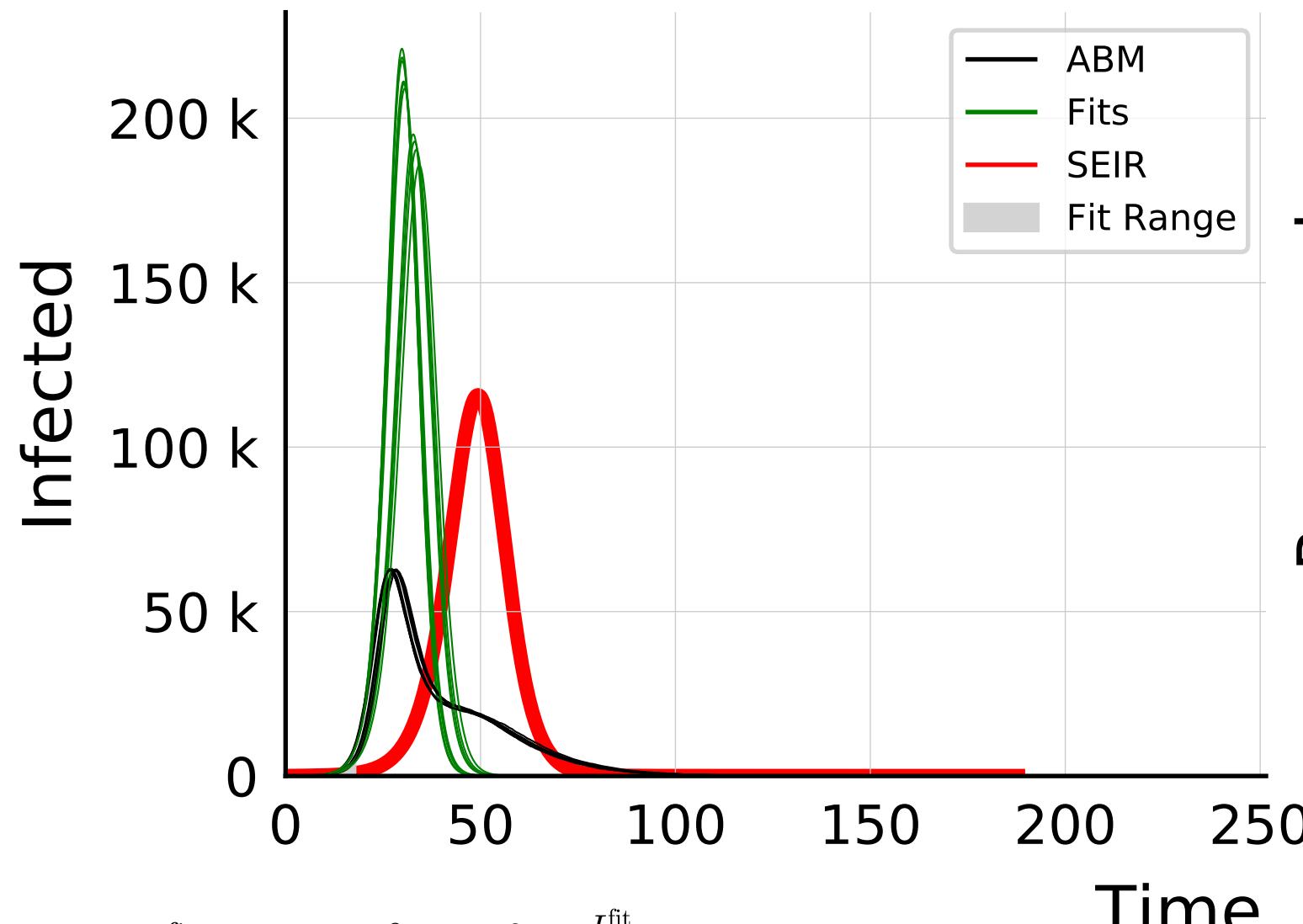


$$I_{\max}^{\text{fit}} = 13^{+1.7}_{-2.0} \cdot 10^4 \quad \frac{I_{\max}^{\text{fit}}}{I_{\max}^{\text{ABM}}} = 3.2 \pm 0.12$$

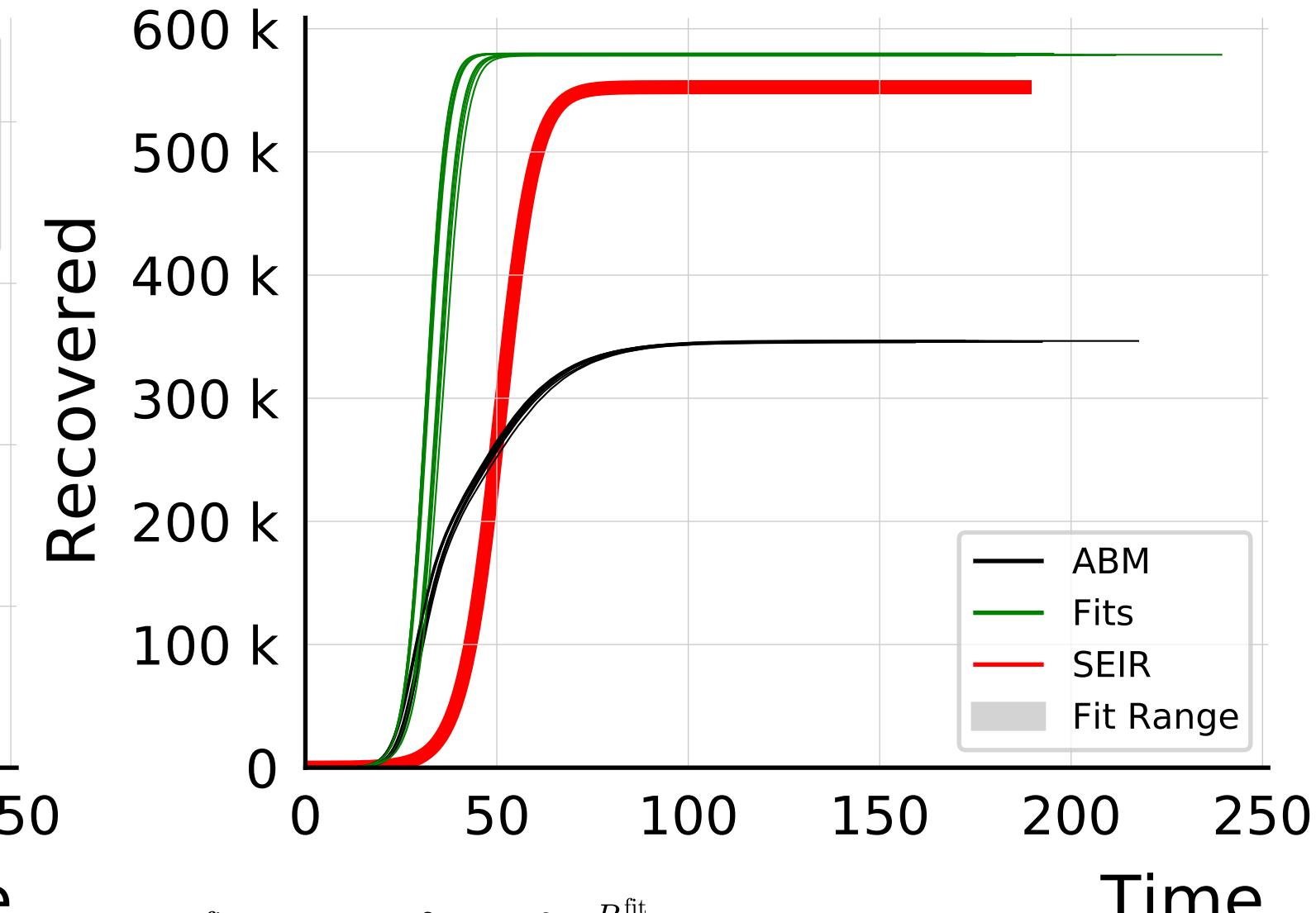


$$R_{\infty}^{\text{fit}} = 562^{+8}_{-13} \cdot 10^3 \quad \frac{R_{\infty}^{\text{fit}}}{R_{\text{inf}}^{\text{fit}}} = 2.66 \pm 0.016$$

$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.02$, $\sigma_\beta = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, #10

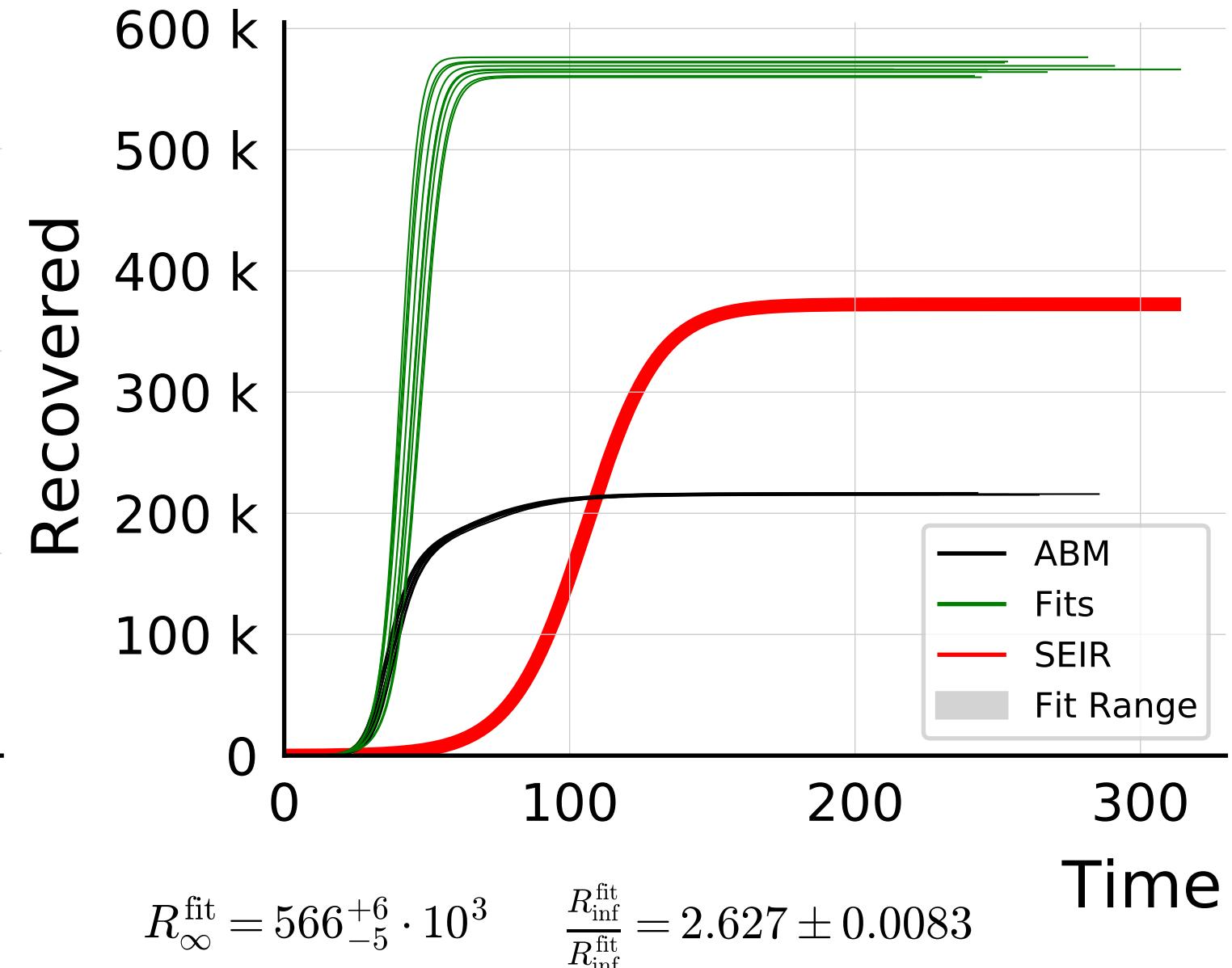
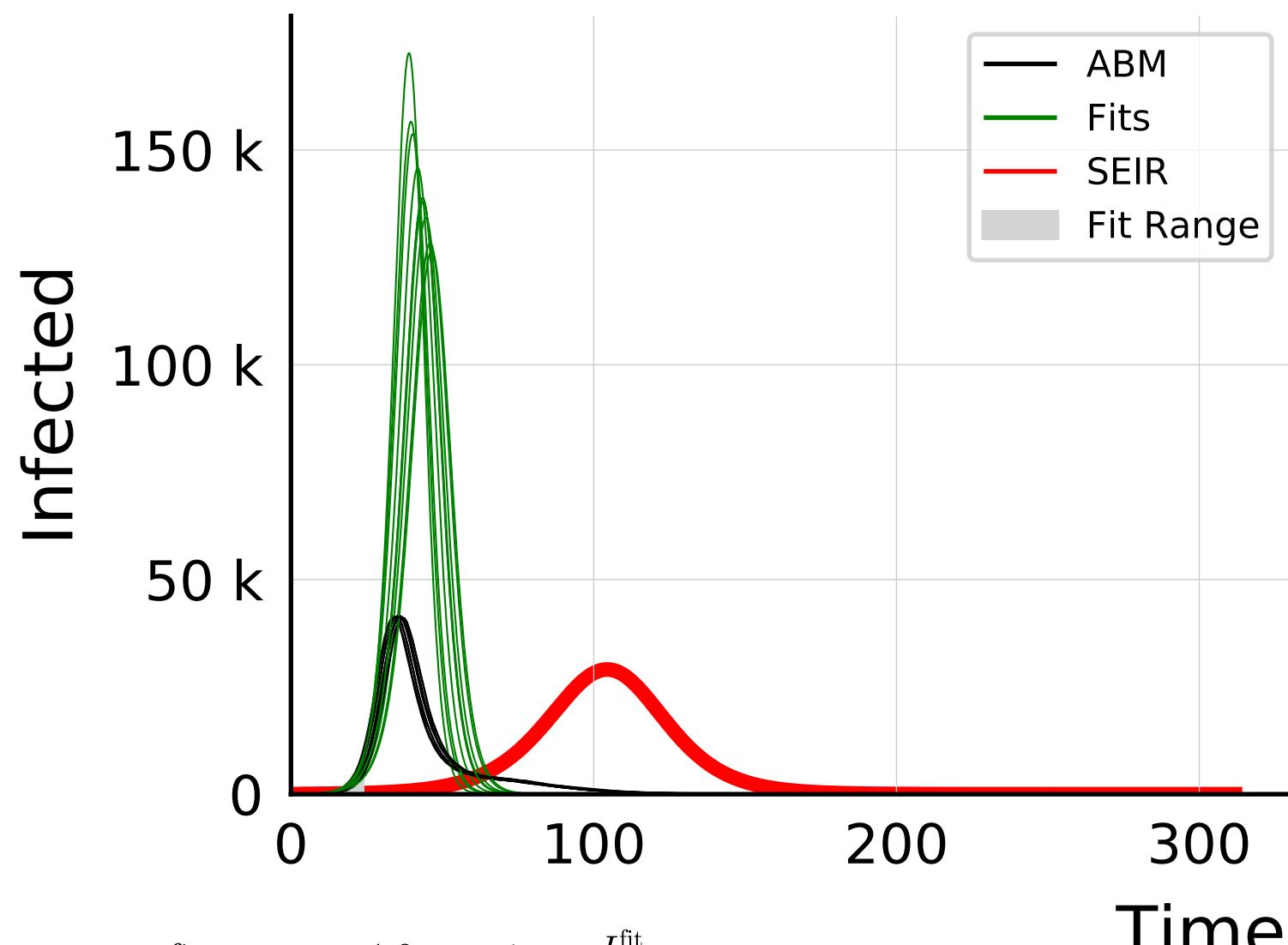


$$I_{\max}^{\text{fit}} = 210_{-19}^{+9} \cdot 10^3 \quad \frac{I_{\max}^{\text{fit}}}{I_{\max}^{\text{ABM}}} = 3.27 \pm 0.061$$

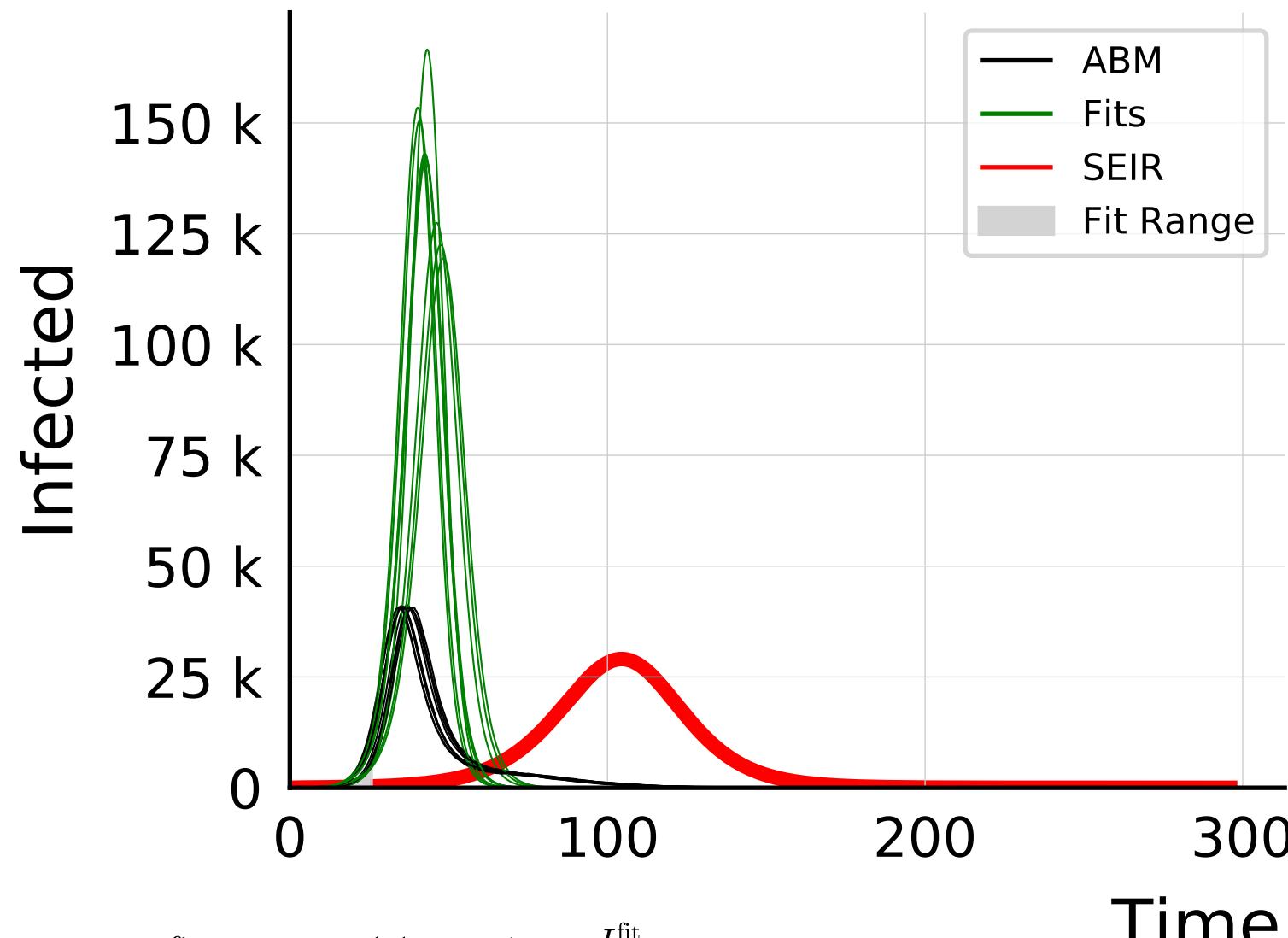


$$R_{\infty}^{\text{fit}} = 5796_{-11}^{+2} \cdot 10^2 \quad \frac{R_{\text{inf}}^{\text{fit}}}{R_{\infty}^{\text{fit}}} = 1.6735 \pm 0.00089$$

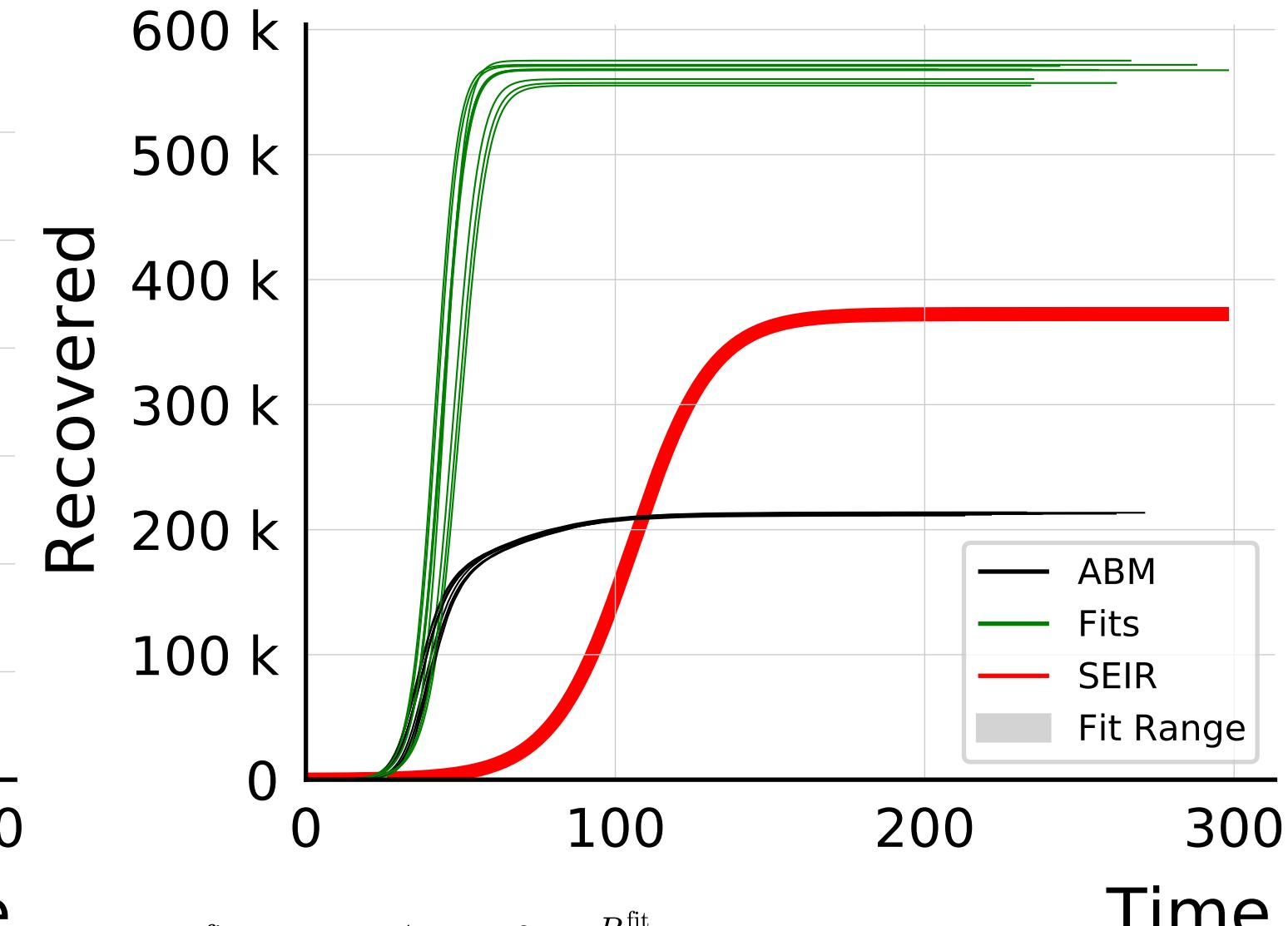
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.25$, $\beta = 0.01$, $\sigma_\beta = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, #10



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

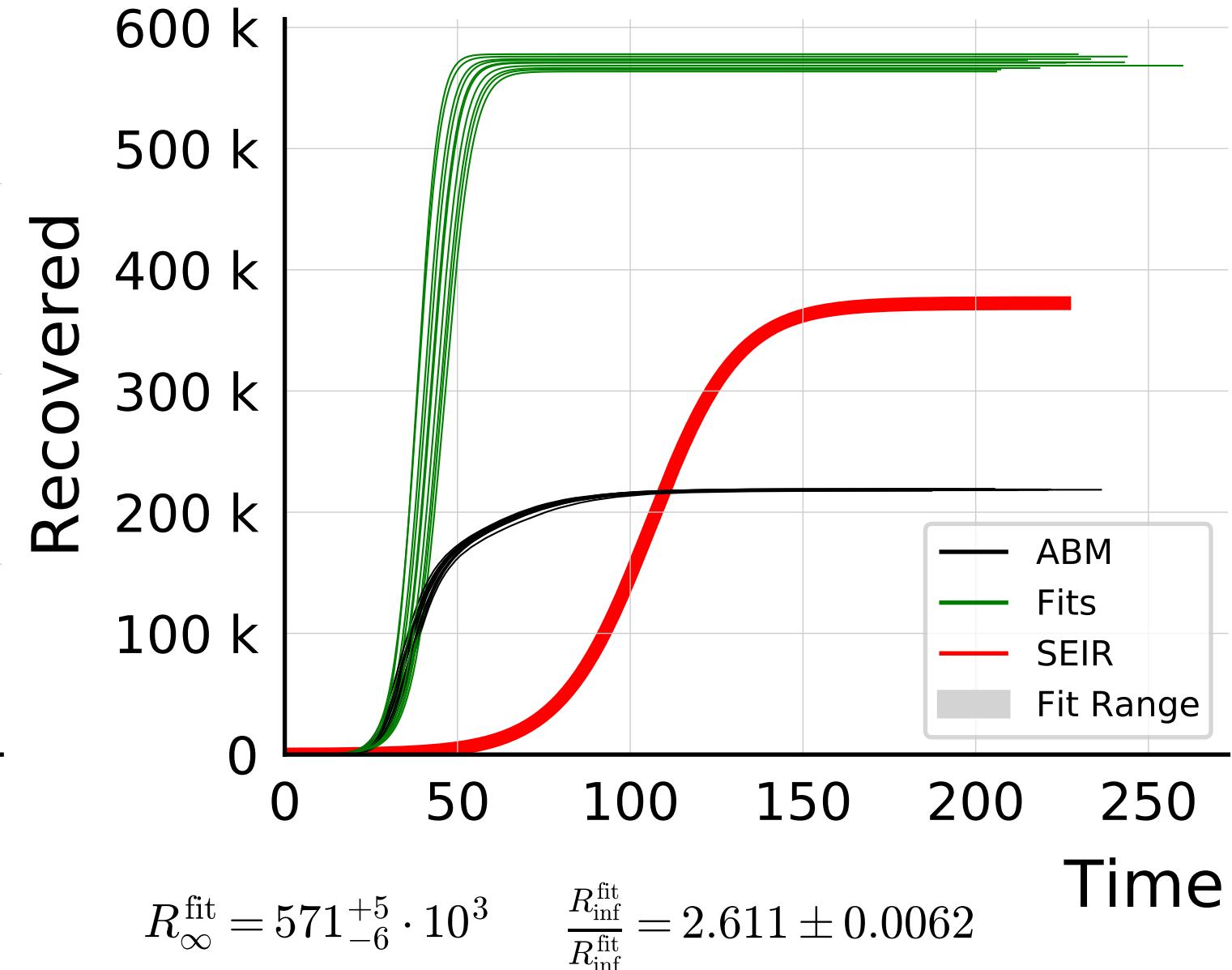
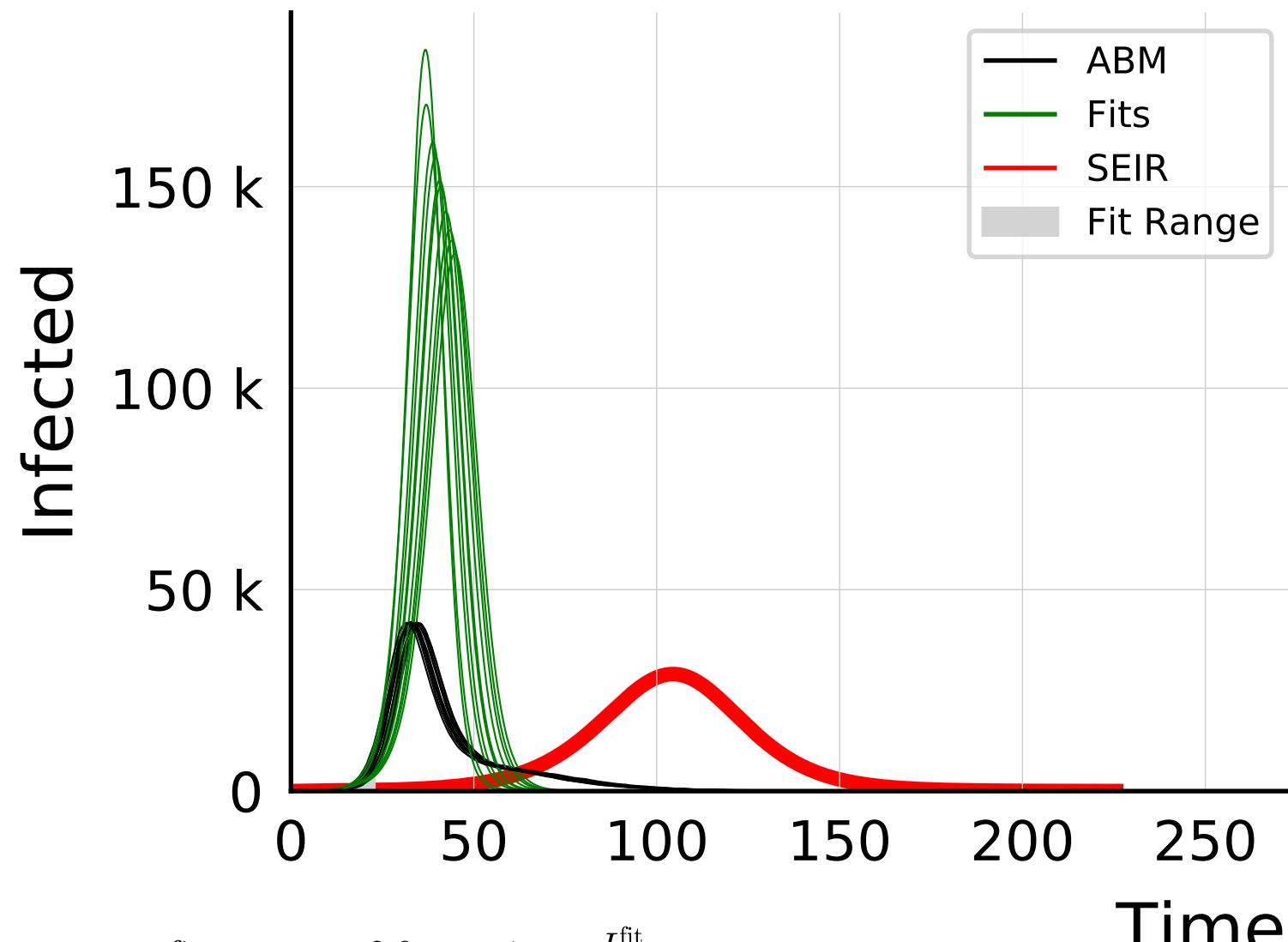


$$I_{\max}^{\text{fit}} = 14_{-2}^{+1.1} \cdot 10^4 \quad \frac{I_{\max}^{\text{fit}}}{I_{\max}^{\text{ABM}}} = 3.5 \pm 0.11$$

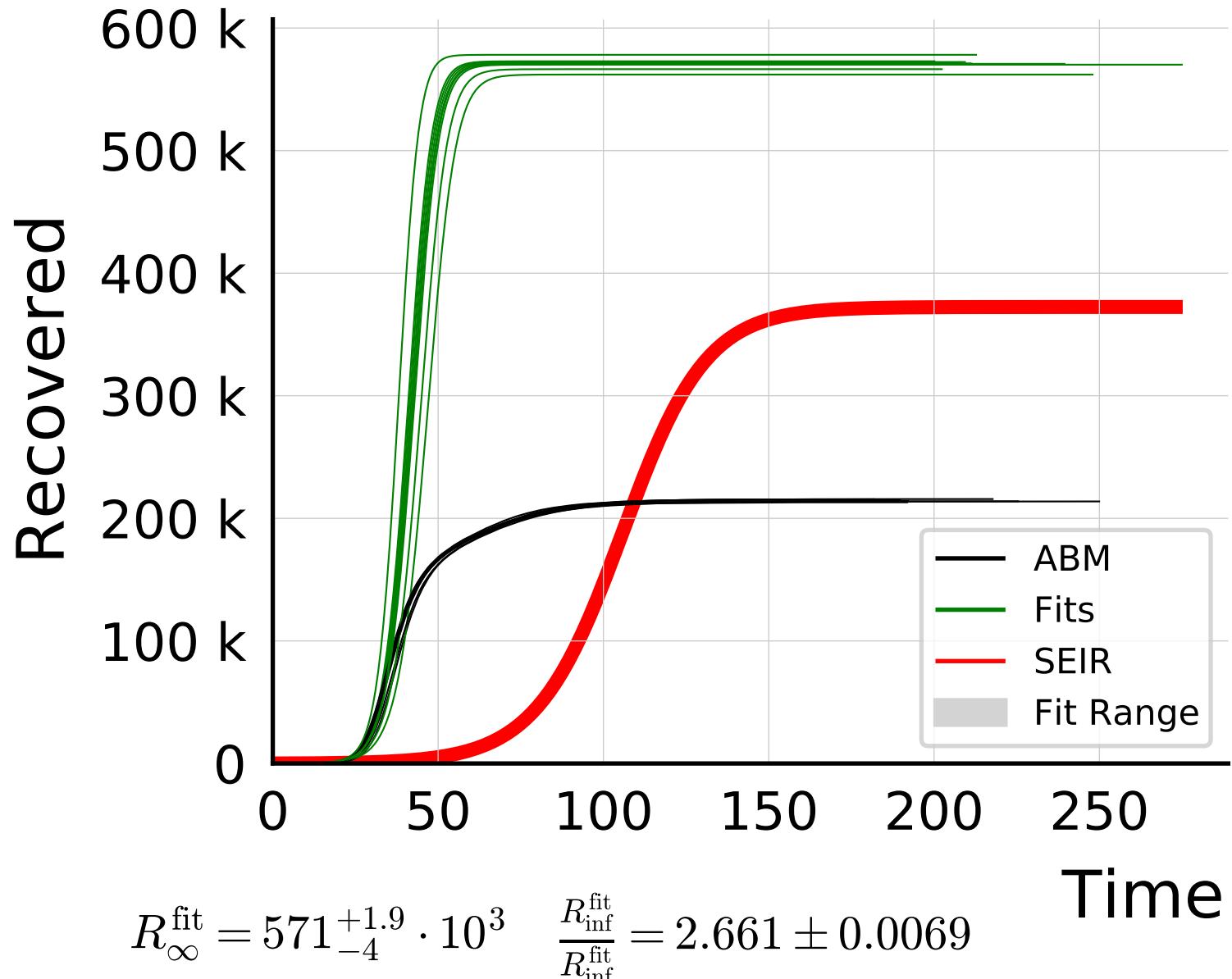
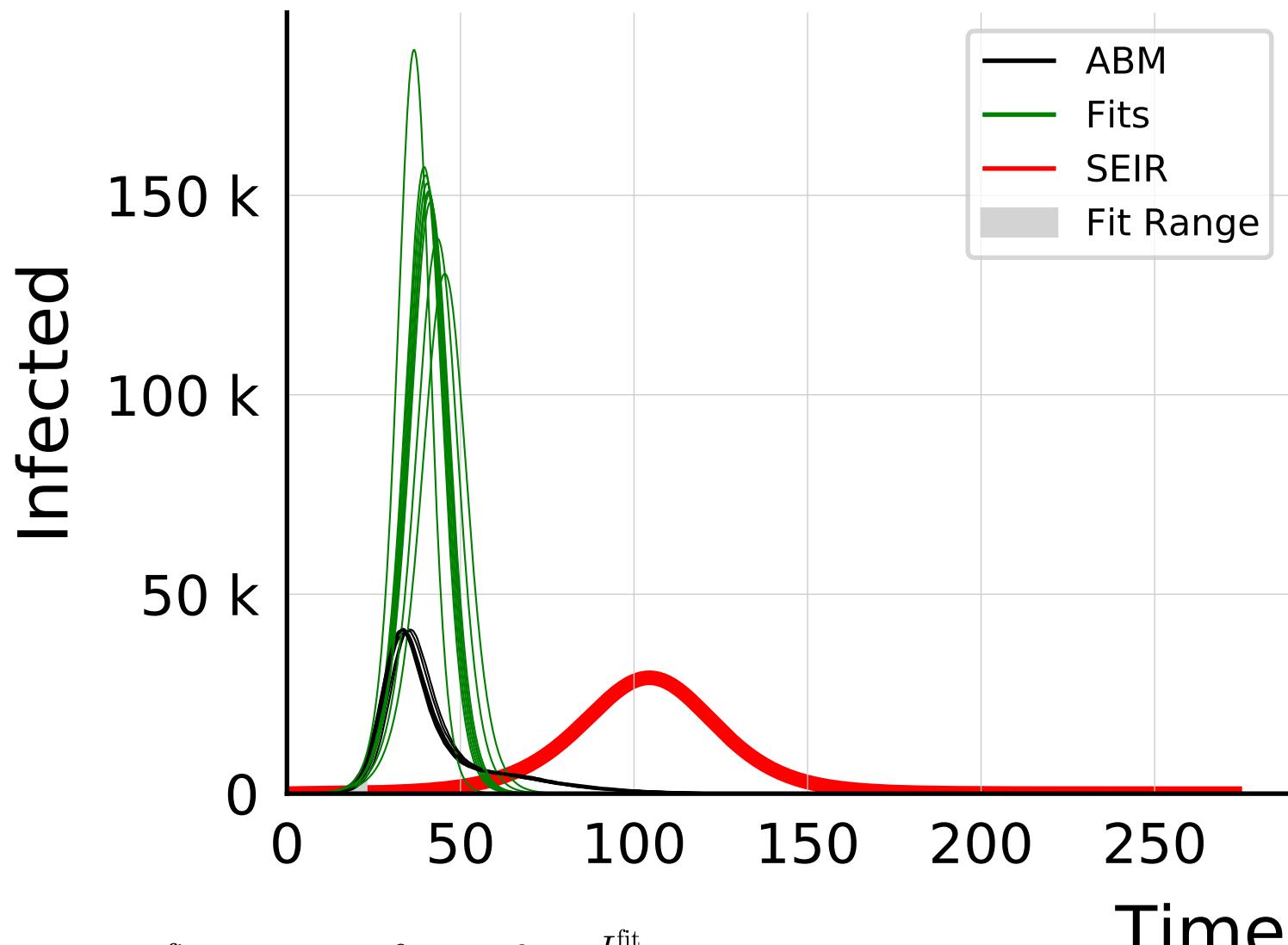


$$R_{\infty}^{\text{fit}} = 568_{-11}^{+4} \cdot 10^3 \quad \frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 2.663 \pm 0.0087$$

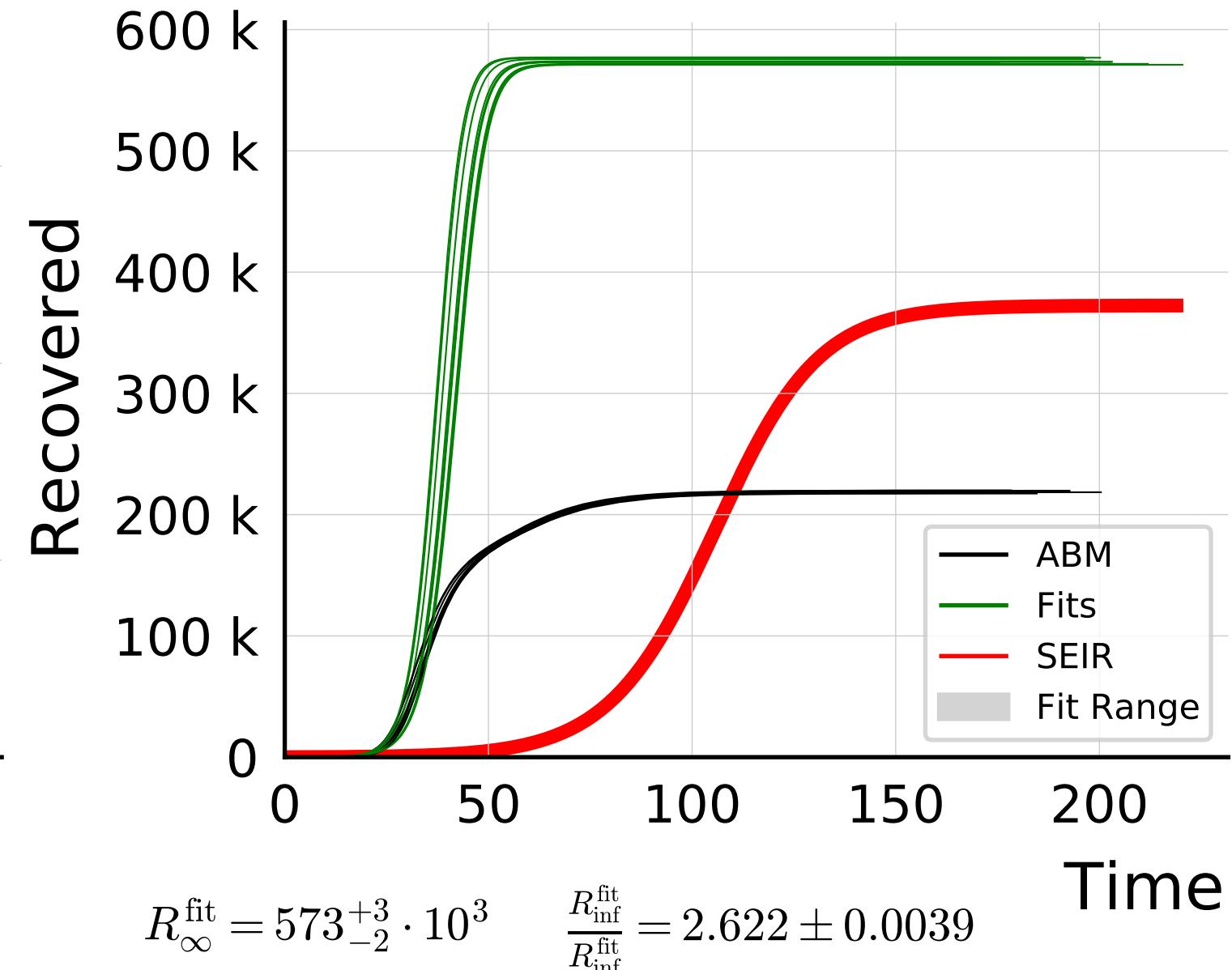
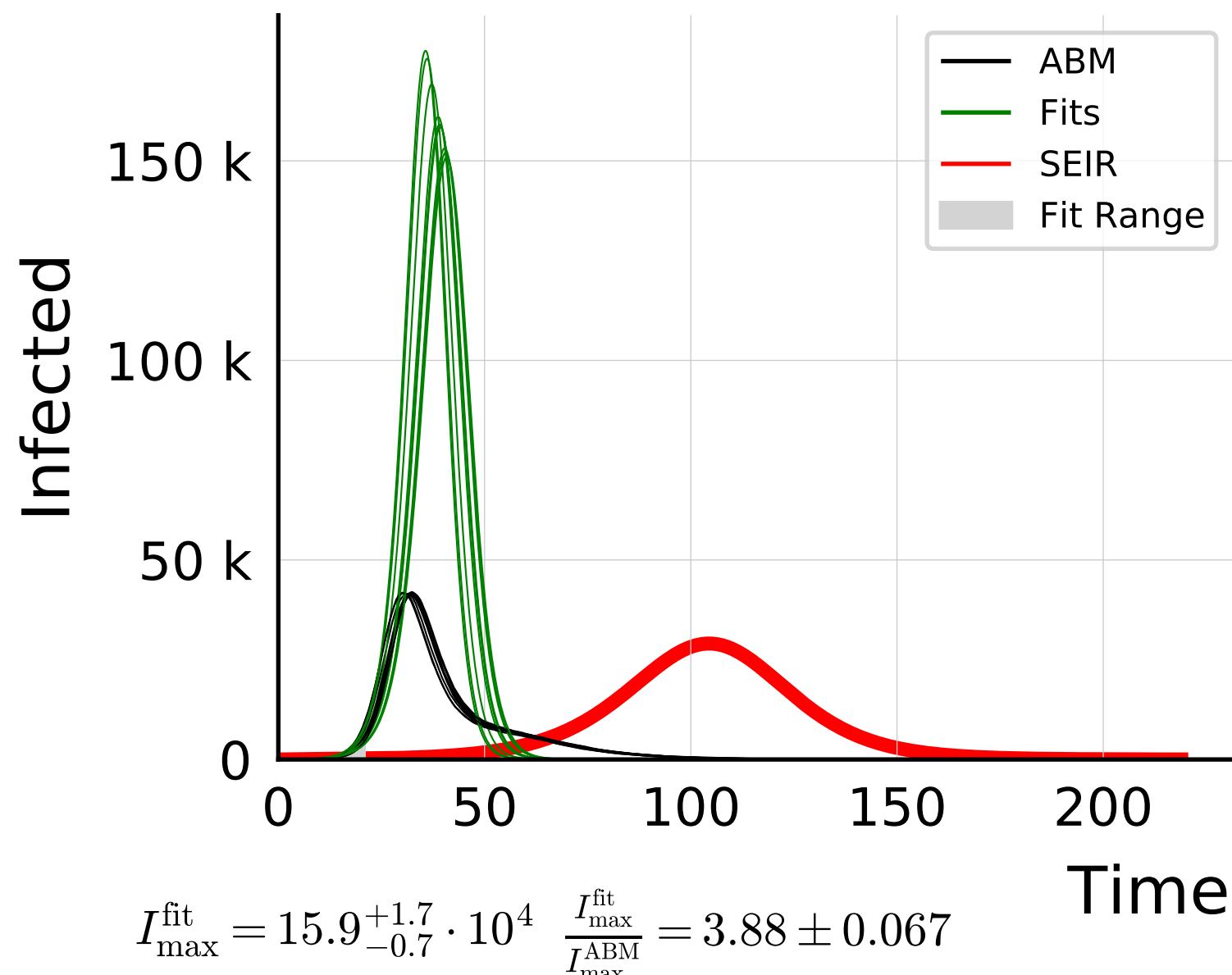
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.5$, $\beta = 0.01$, $\sigma_\beta = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, #10



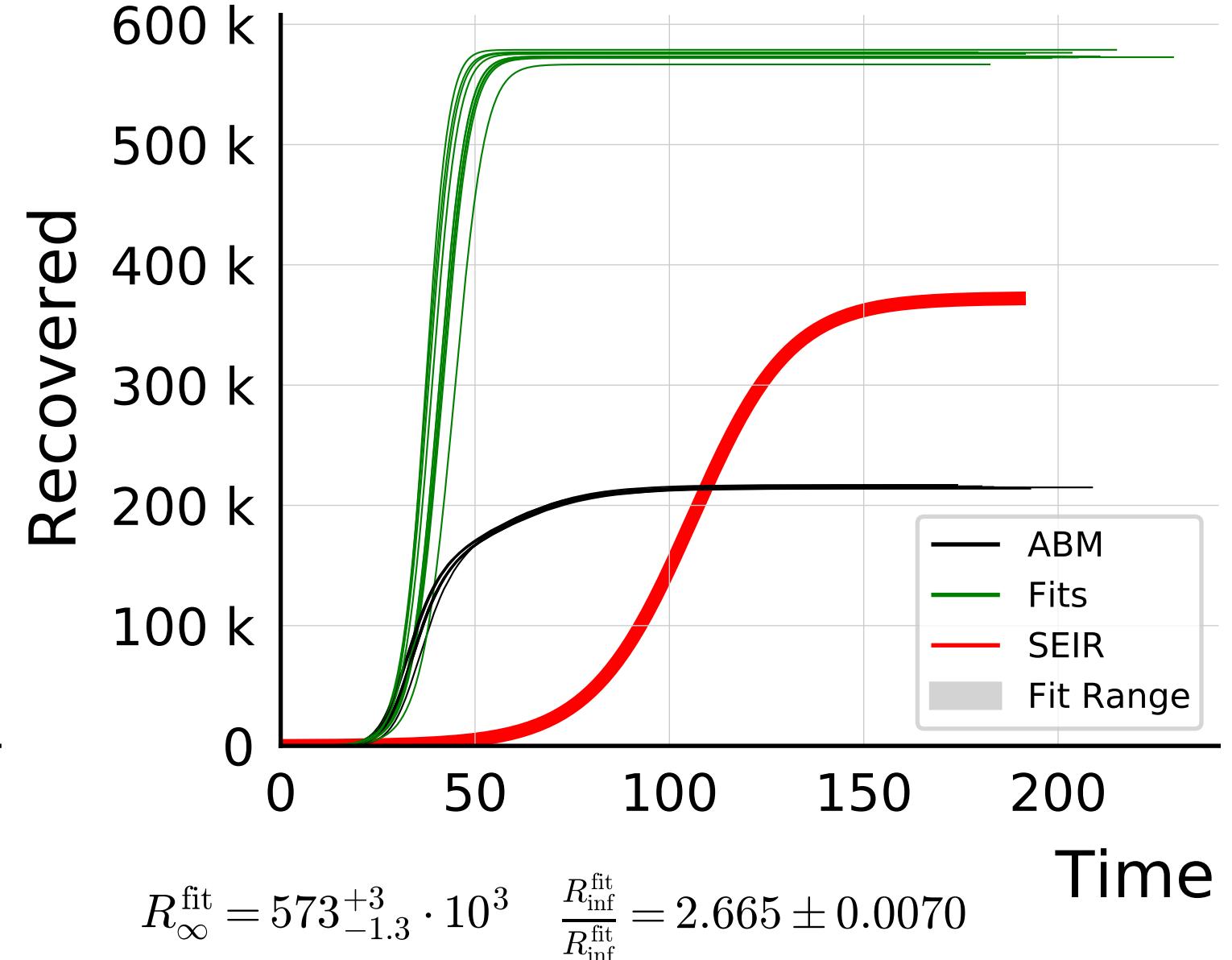
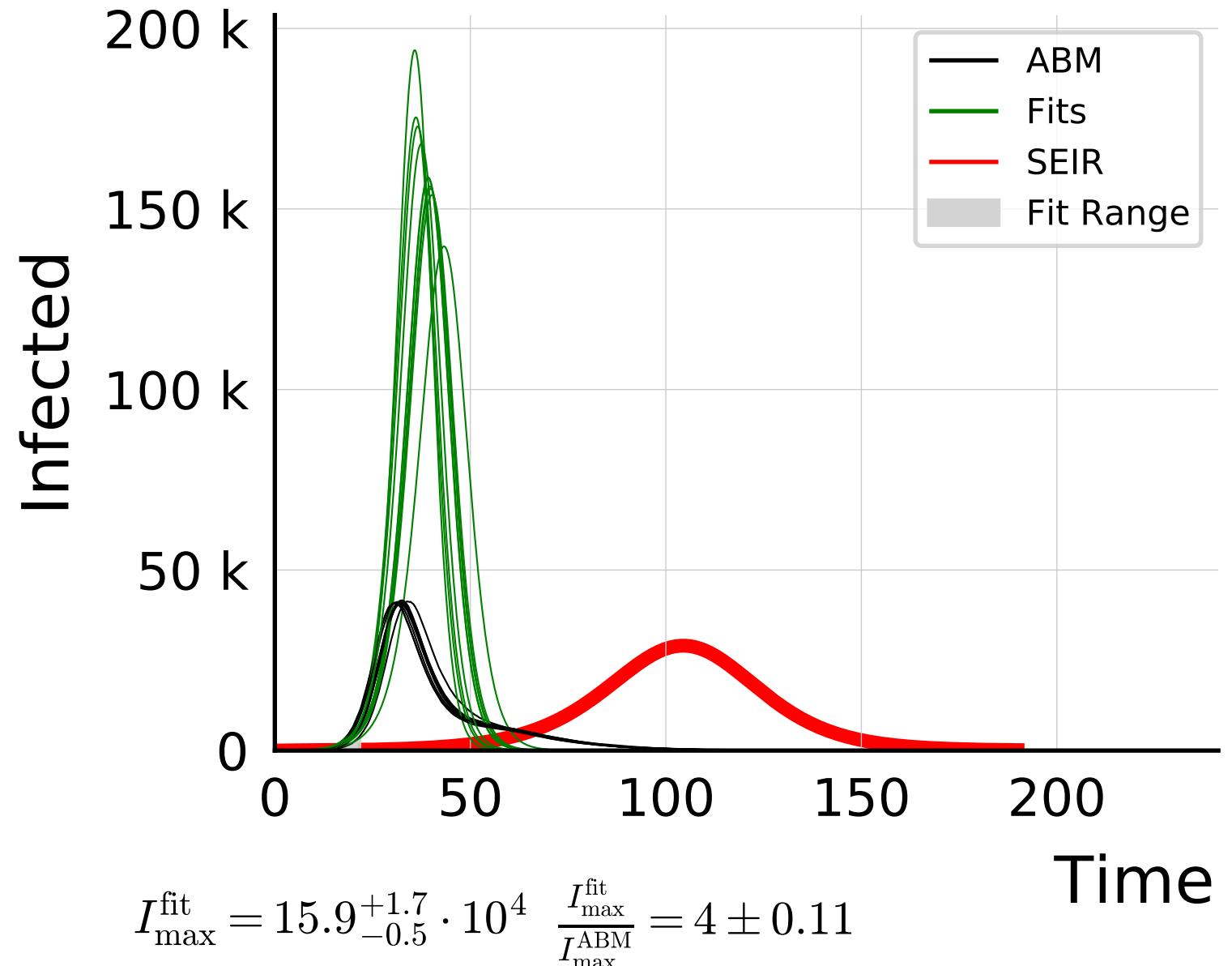
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.5$, $\beta = 0.01$, $\sigma_\beta = 1.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, #10



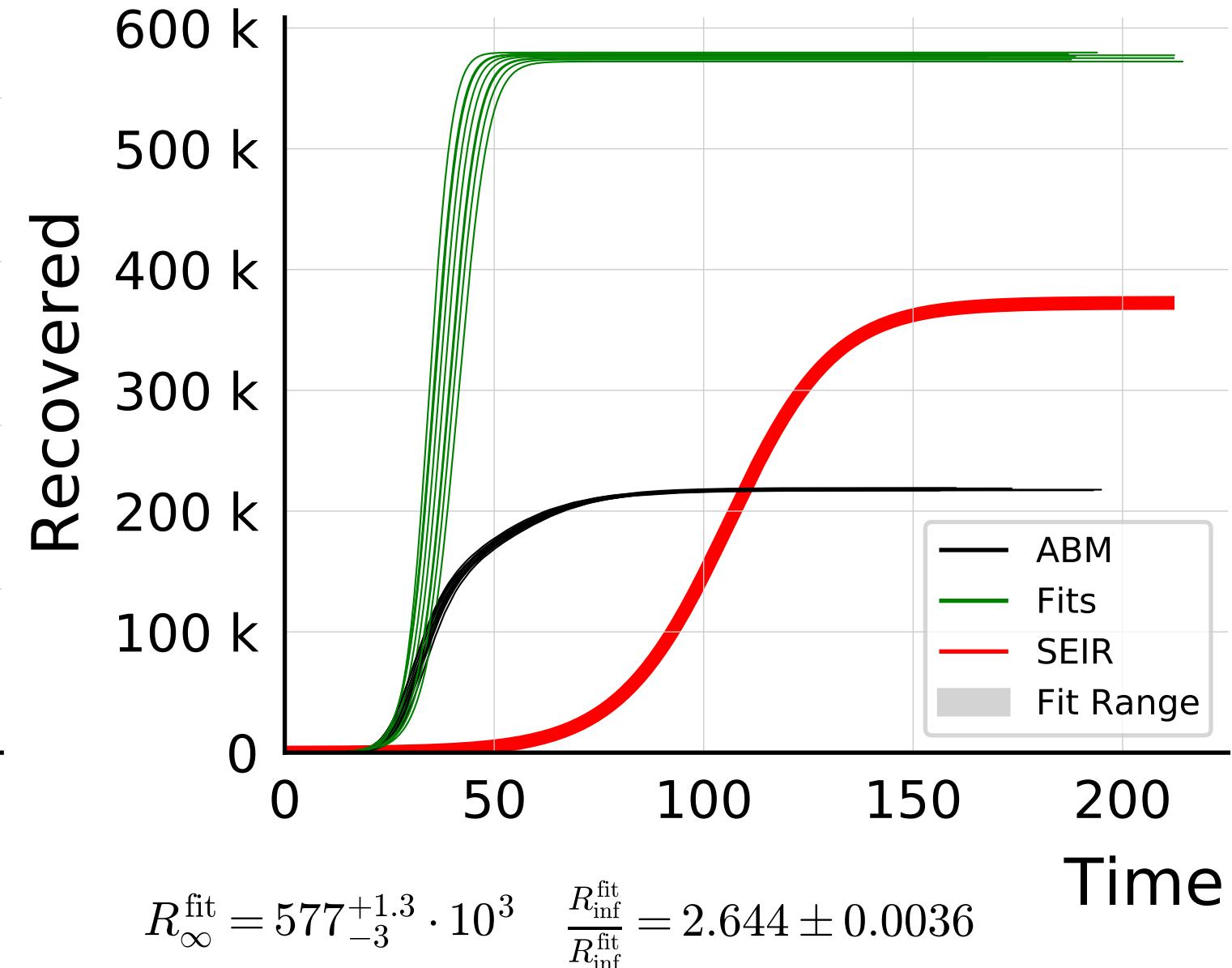
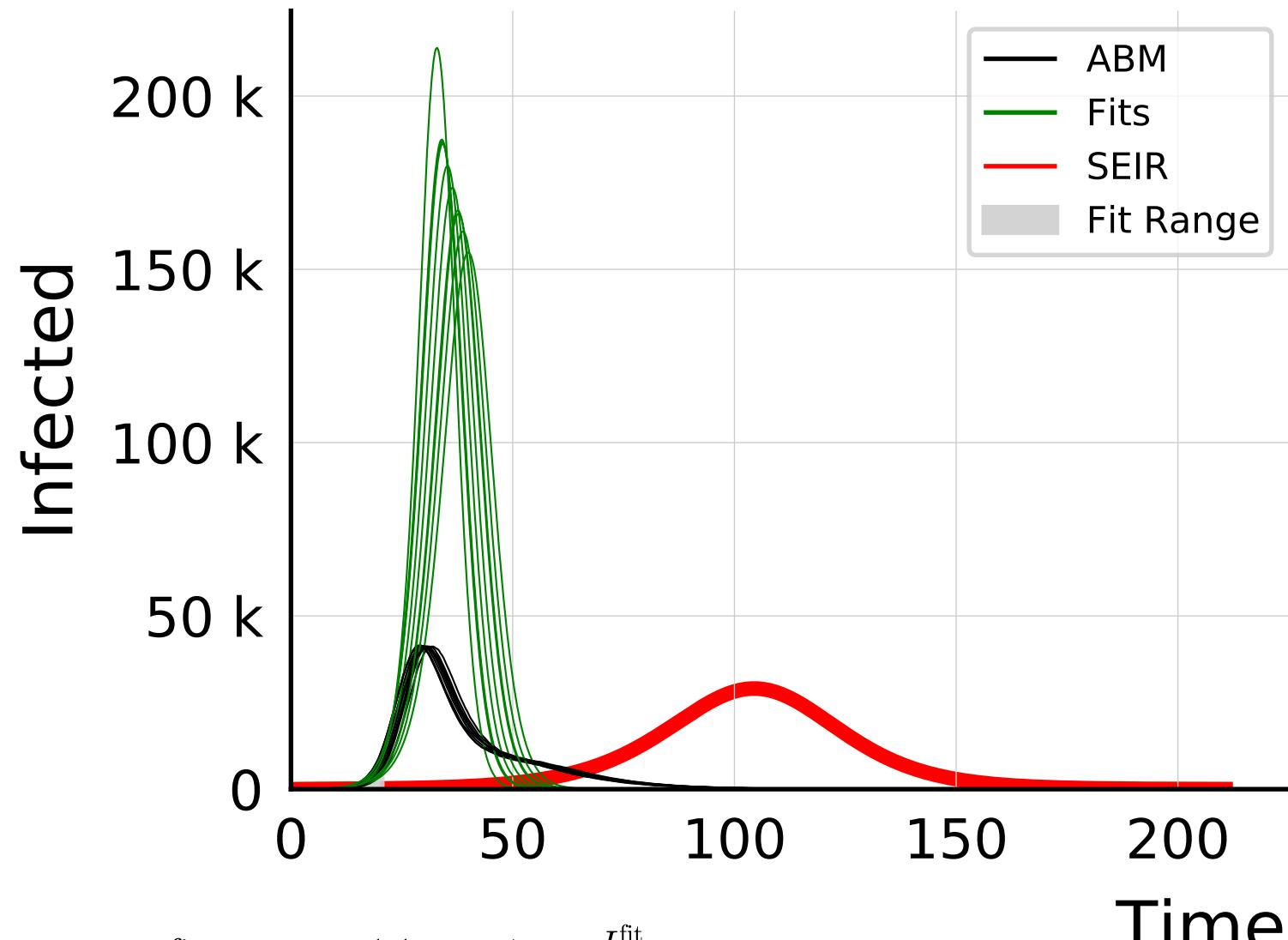
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.75$, $\beta = 0.01$, $\sigma_\beta = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, #10



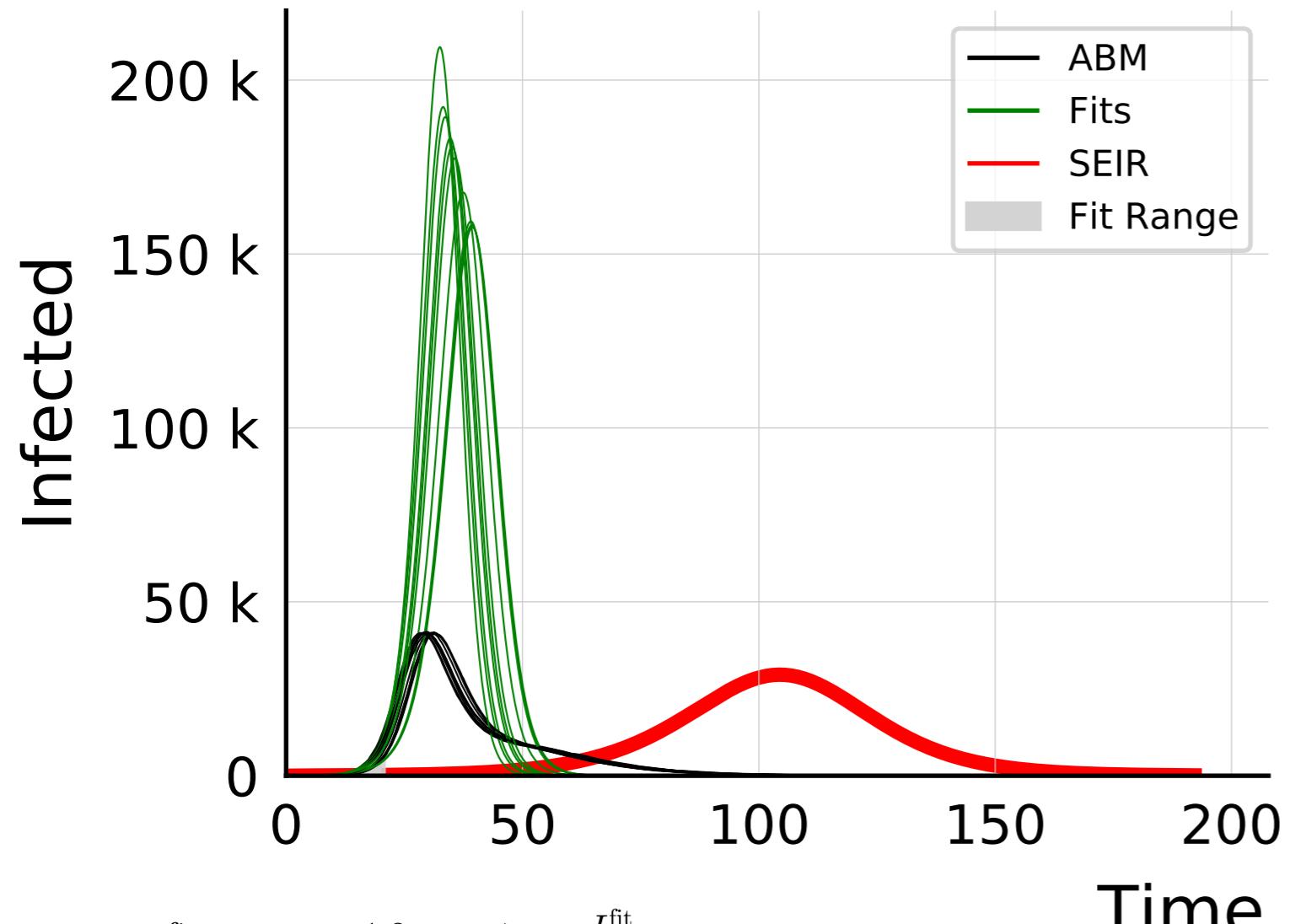
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.75$, $\beta = 0.01$, $\sigma_\beta = 1.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, #10



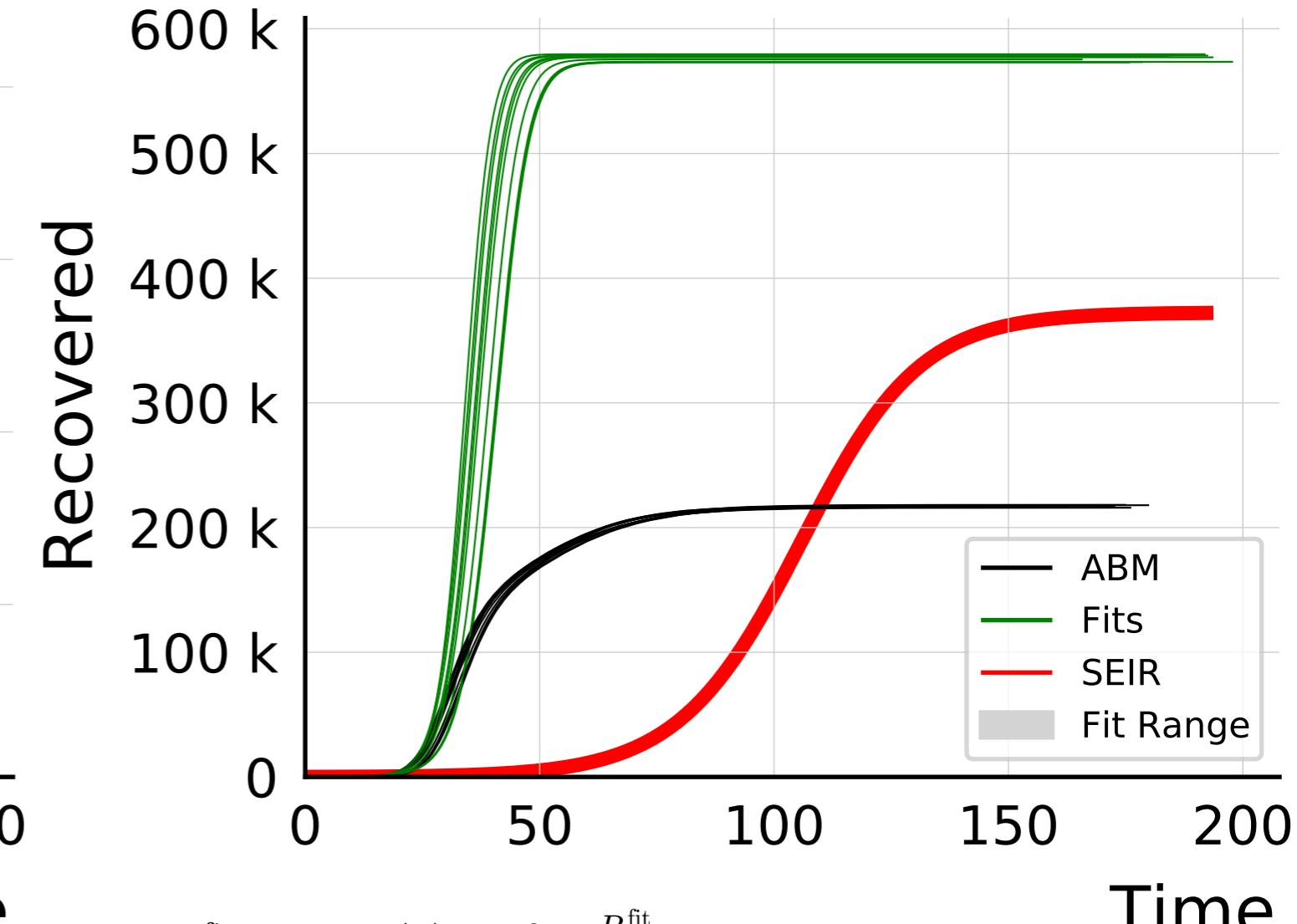
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 1.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, #10



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

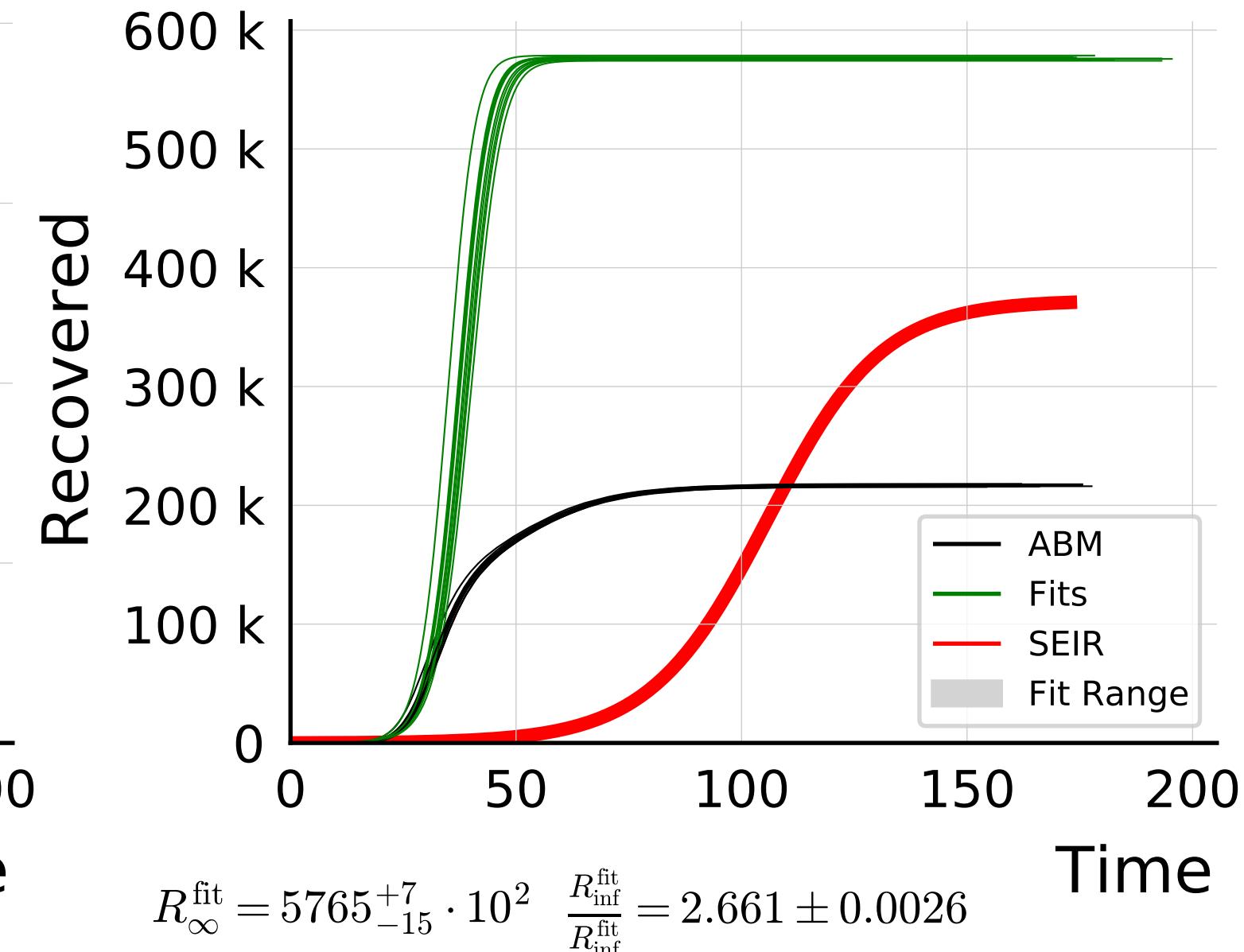
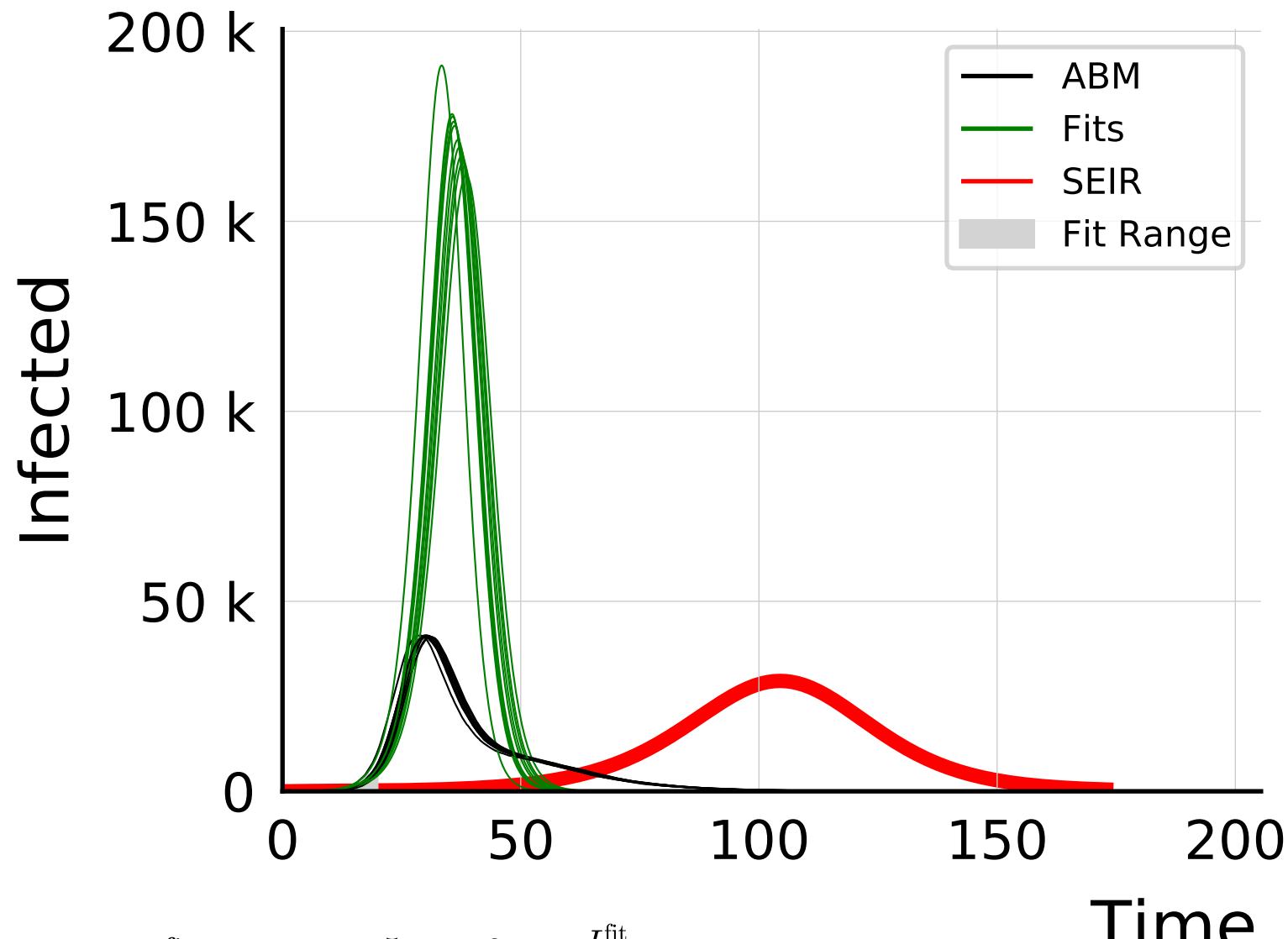


$$I_{\max}^{\text{fit}} = 18_{-2}^{+1.3} \cdot 10^4 \quad \frac{I_{\max}^{\text{fit}}}{I_{\max}^{\text{ABM}}} = 4.3 \pm 0.13$$

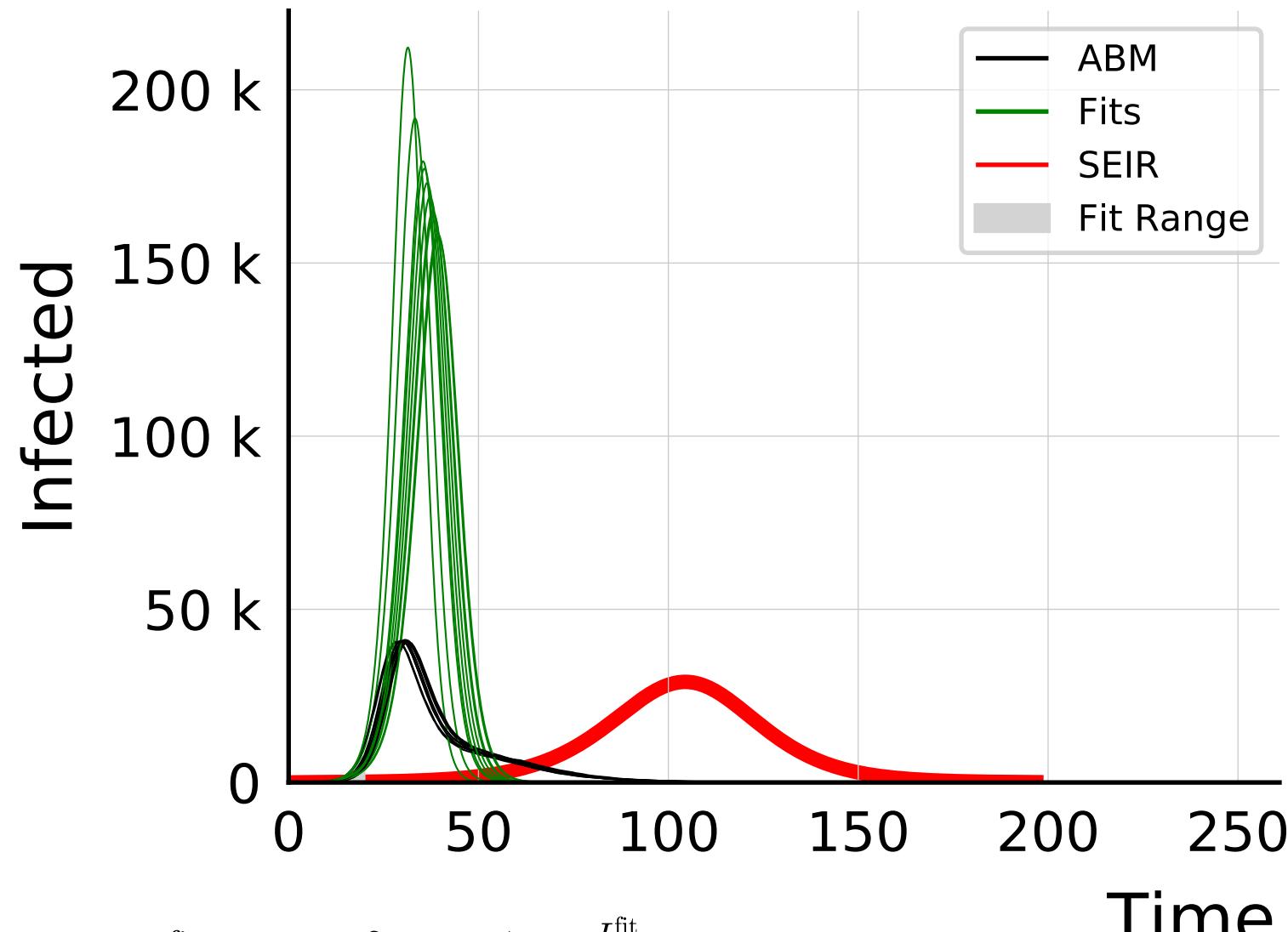


$$R_{\infty}^{\text{fit}} = 577_{-4}^{+1.4} \cdot 10^3 \quad \frac{R_{\infty}^{\text{fit}}}{R_{\text{inf}}^{\text{fit}}} = 2.654 \pm 0.0037$$

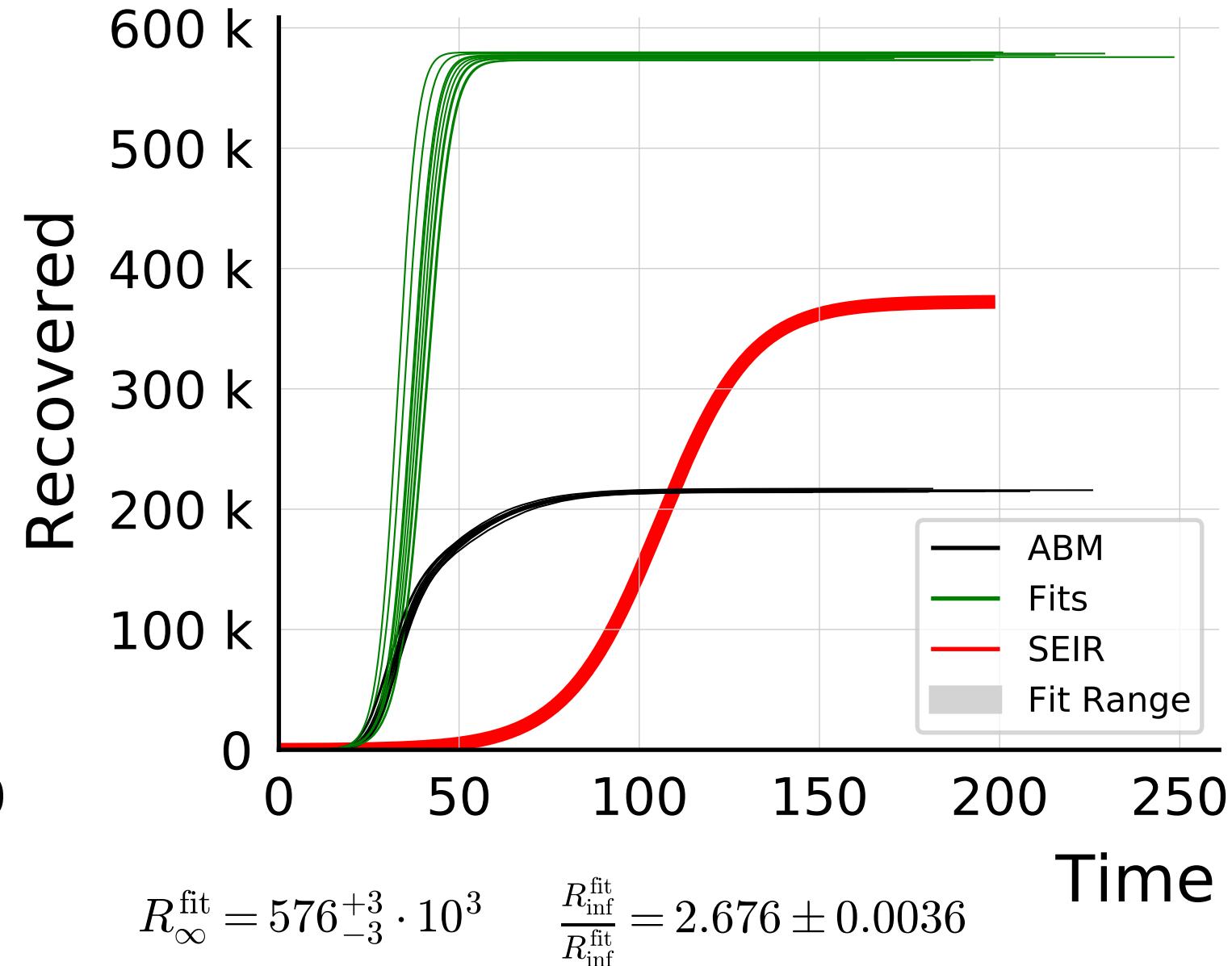
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 1.0$, $\beta = 0.01$, $\sigma_\beta = 0.5$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, #10



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

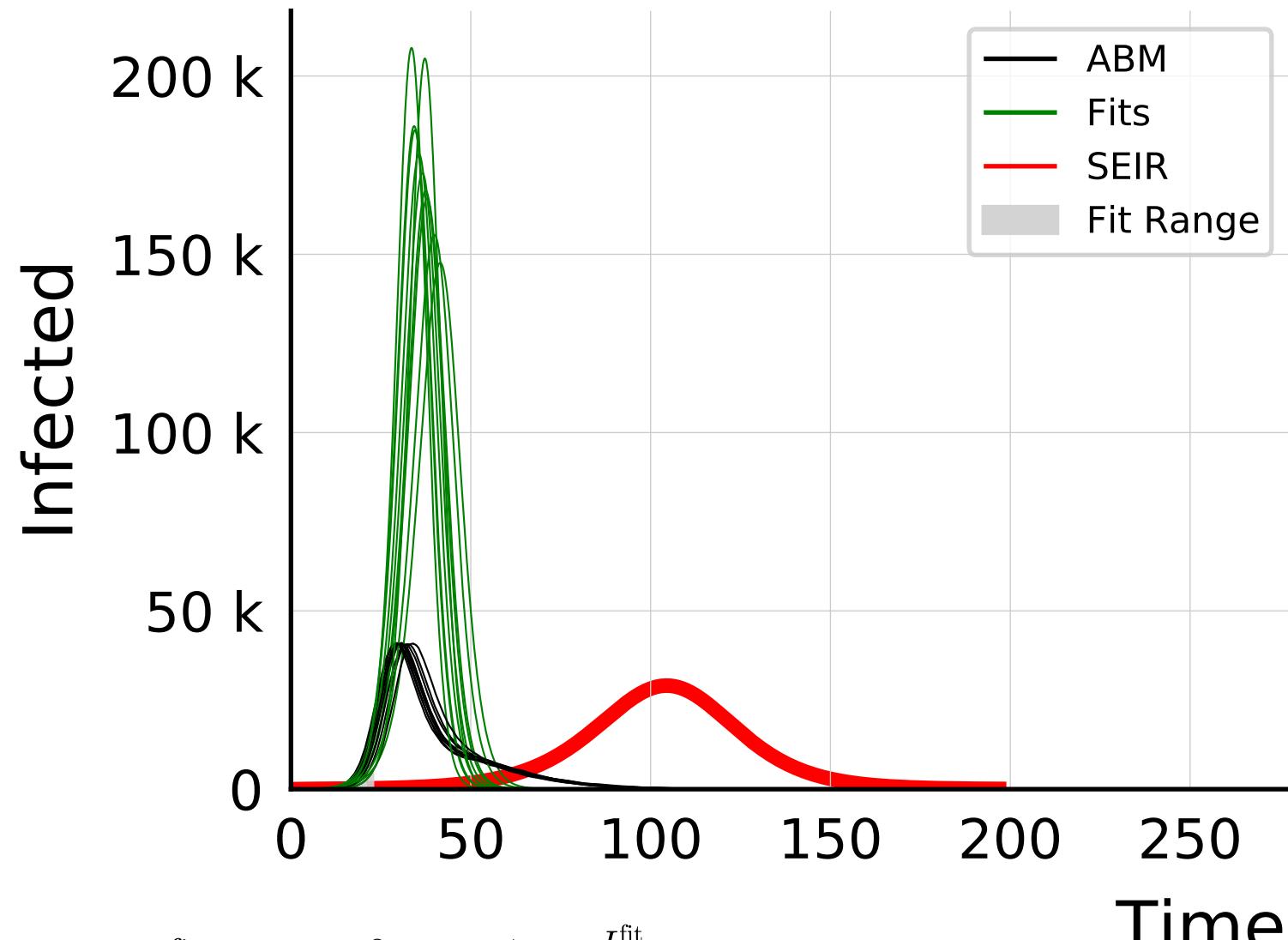


$$I_{\max}^{\text{fit}} = 17^{+2}_{-1.3} \cdot 10^4 \quad \frac{I_{\max}^{\text{fit}}}{I_{\max}^{\text{ABM}}} = 4.3 \pm 0.12$$



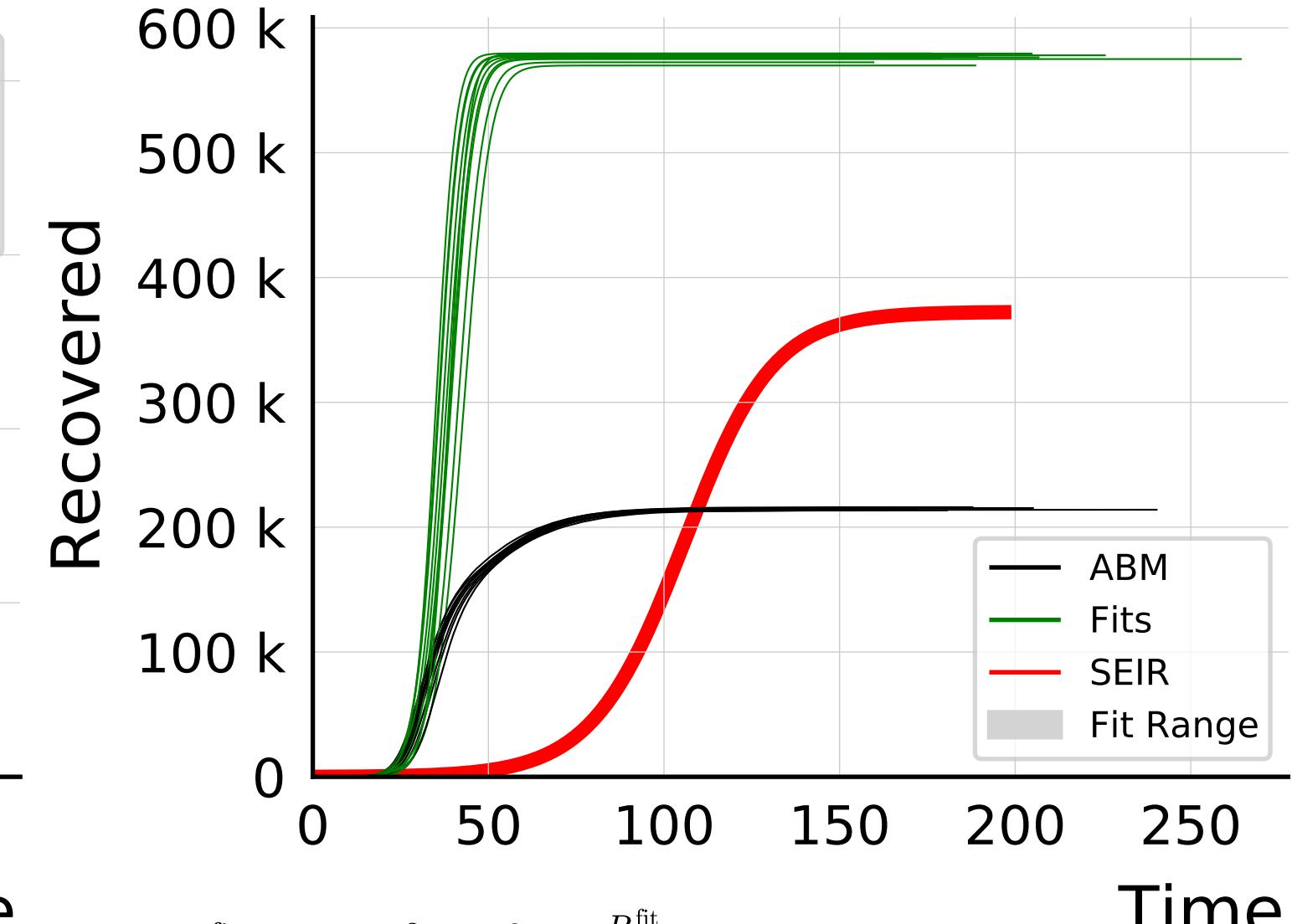
$$R_{\infty}^{\text{fit}} = 576^{+3}_{-3} \cdot 10^3 \quad \frac{R_{\text{inf}}^{\text{fit}}}{R_{\infty}^{\text{fit}}} = 2.676 \pm 0.0036$$

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



$$I_{\max}^{\text{fit}} = 18_{-2.0}^{+3} \cdot 10^4$$

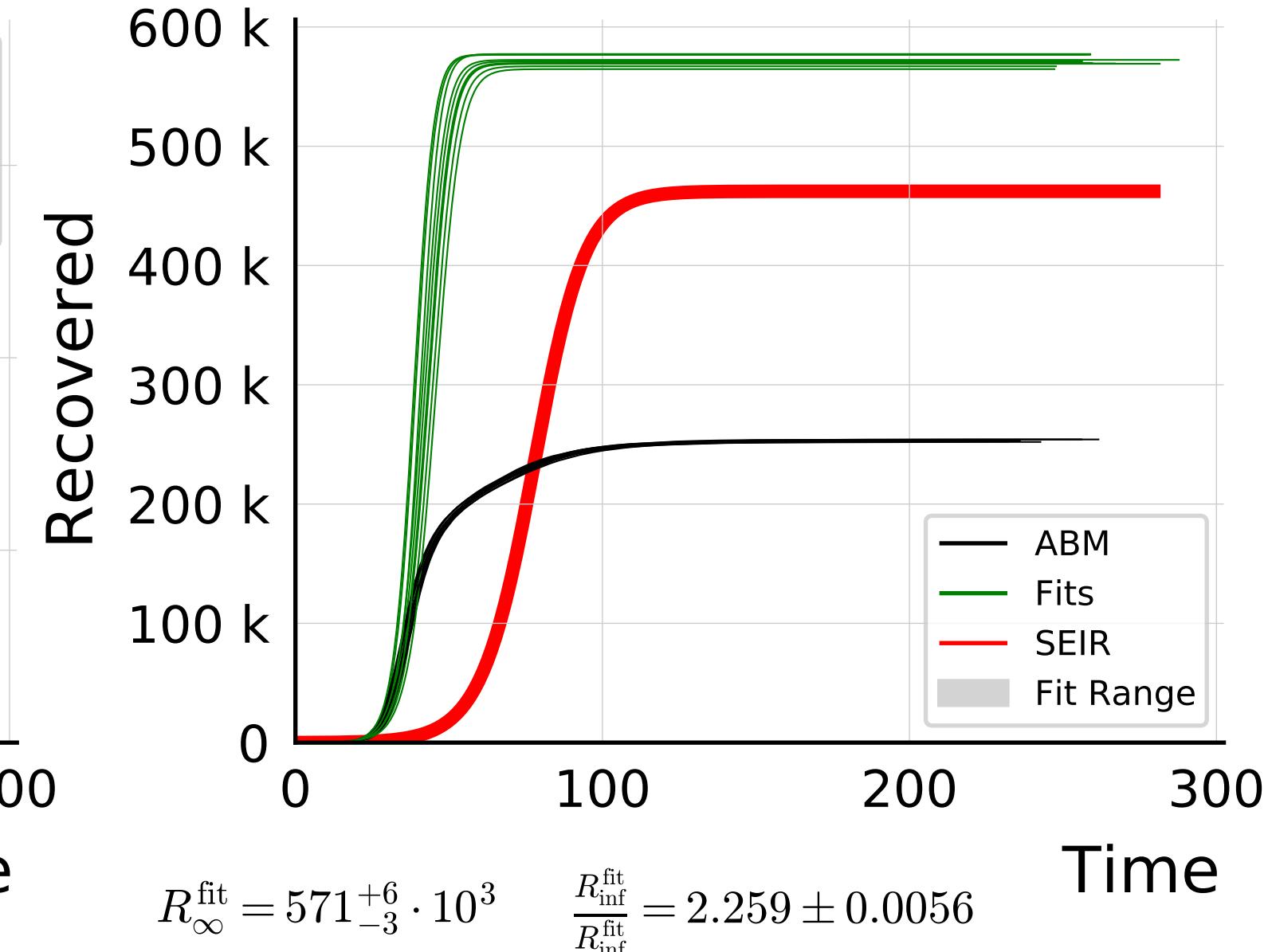
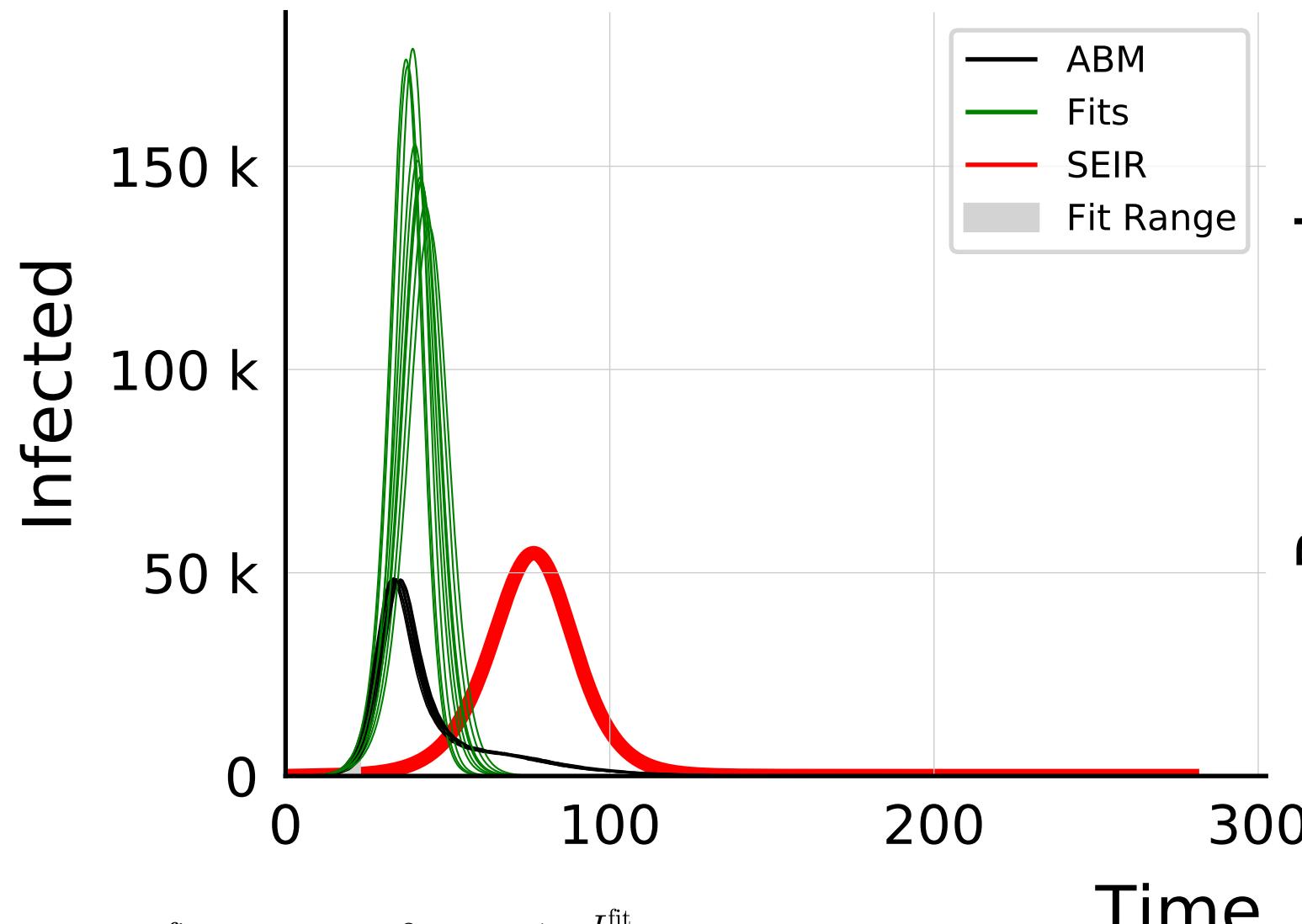
$$\frac{I_{\max}^{\text{fit}}}{I_{\max}^{\text{ABM}}} = 4.3 \pm 0.14$$



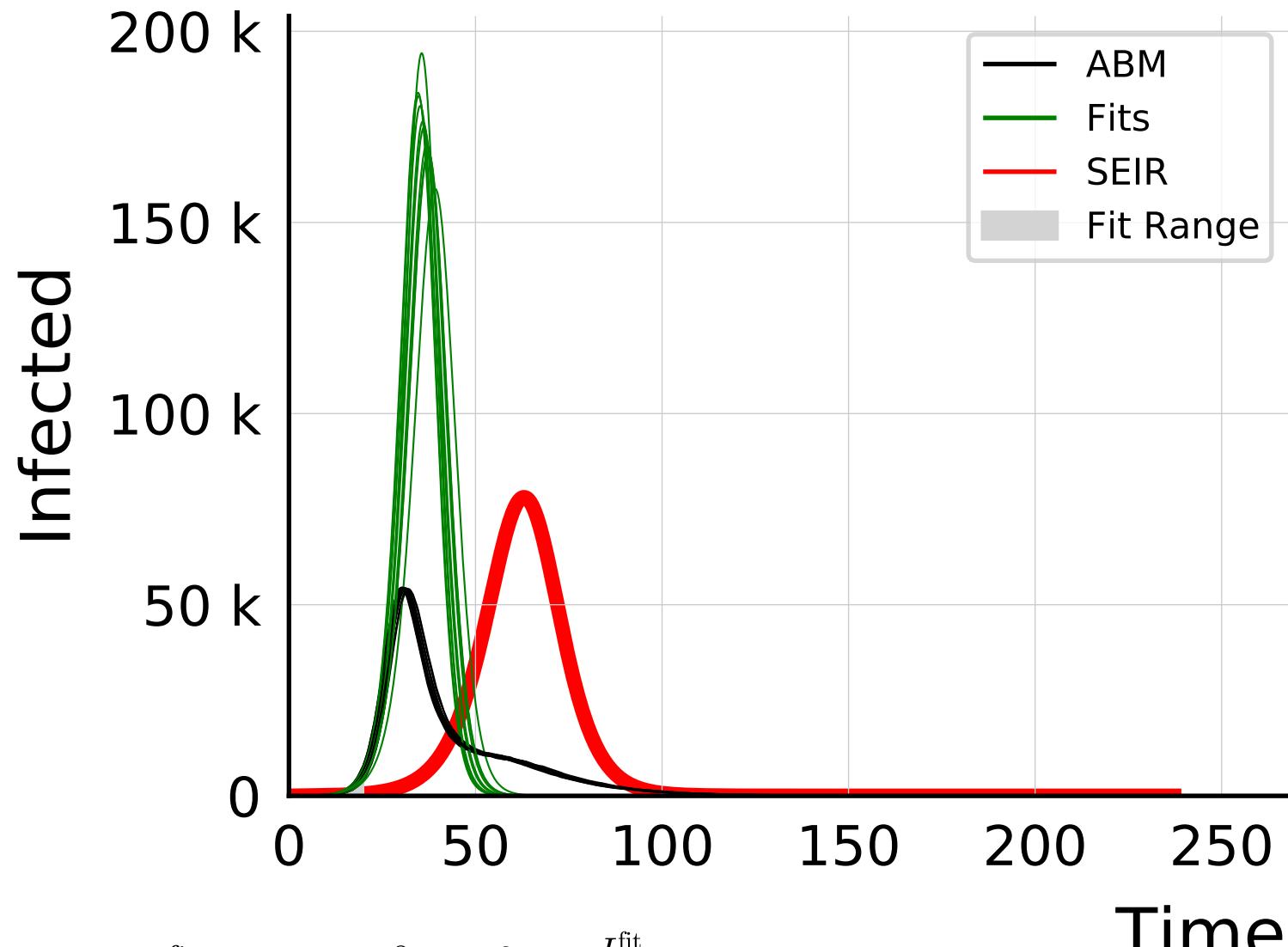
$$R_{\infty}^{\text{fit}} = 577_{-4}^{+3} \cdot 10^3$$

$$\frac{R_{\text{inf}}^{\text{fit}}}{R_{\text{inf}}} = 2.687 \pm 0.0047$$

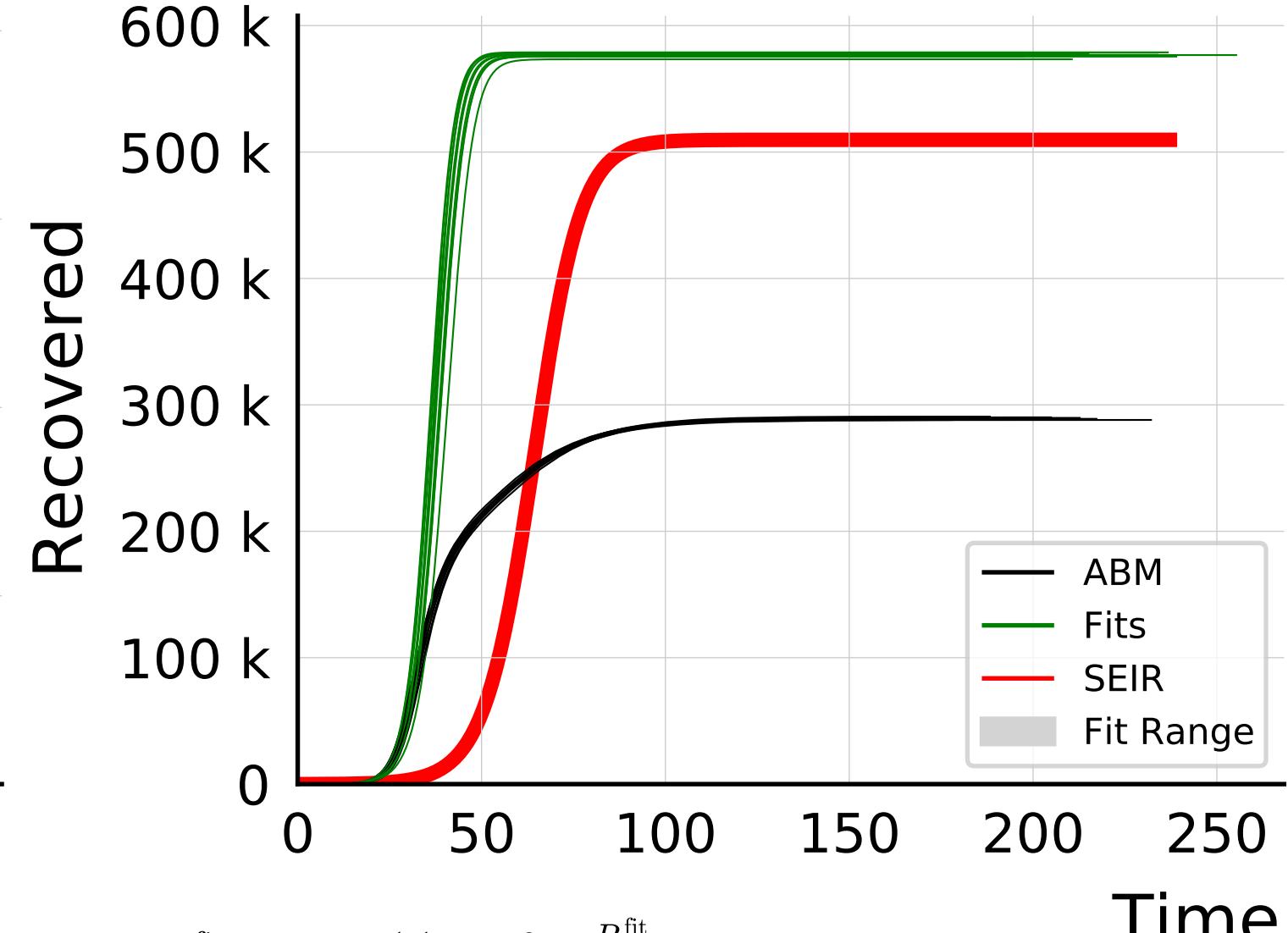
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 50.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, #10



$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 60.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, #10

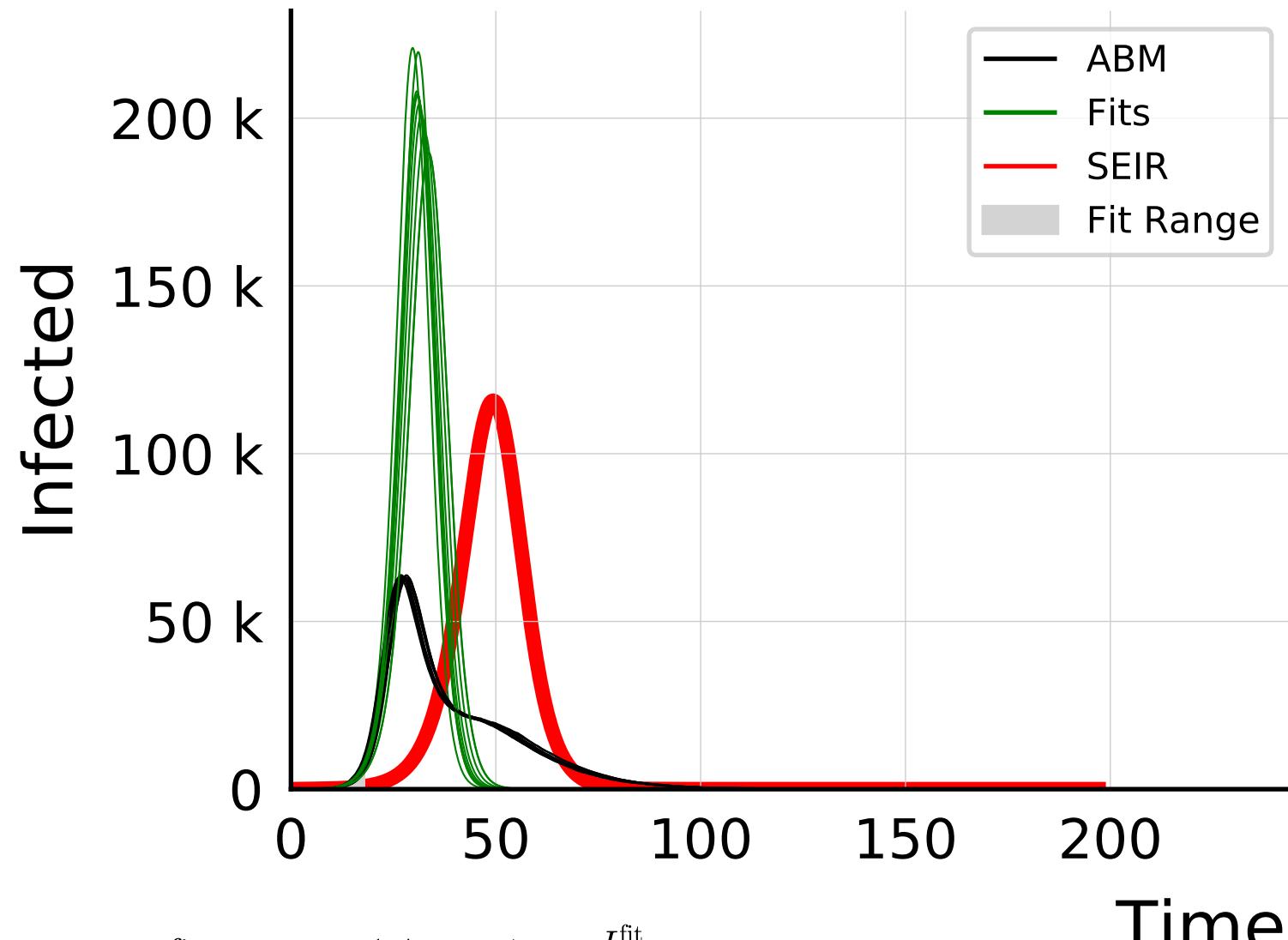


$$I_{\max}^{\text{fit}} = 176_{-7}^{+8} \cdot 10^3 \quad \frac{I_{\max}^{\text{fit}}}{I_{\max}^{\text{ABM}}} = 3.24 \pm 0.054$$

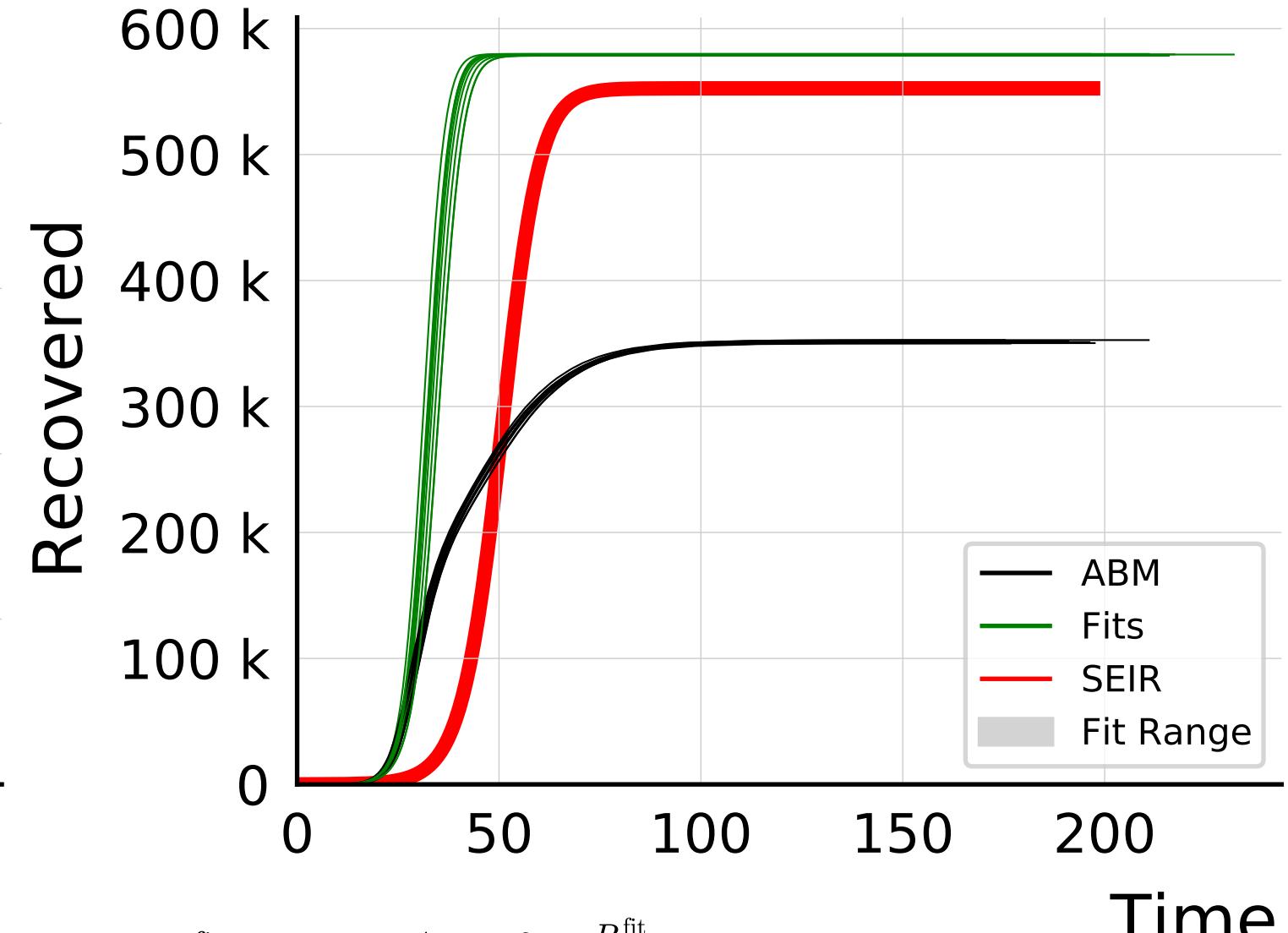


$$R_{\infty}^{\text{fit}} = 577_{-1.3}^{+1.1} \cdot 10^3 \quad \frac{R_{\infty}^{\text{fit}}}{R_{\text{inf}}^{\text{fit}}} = 1.992 \pm 0.0026$$

$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 80.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, #10

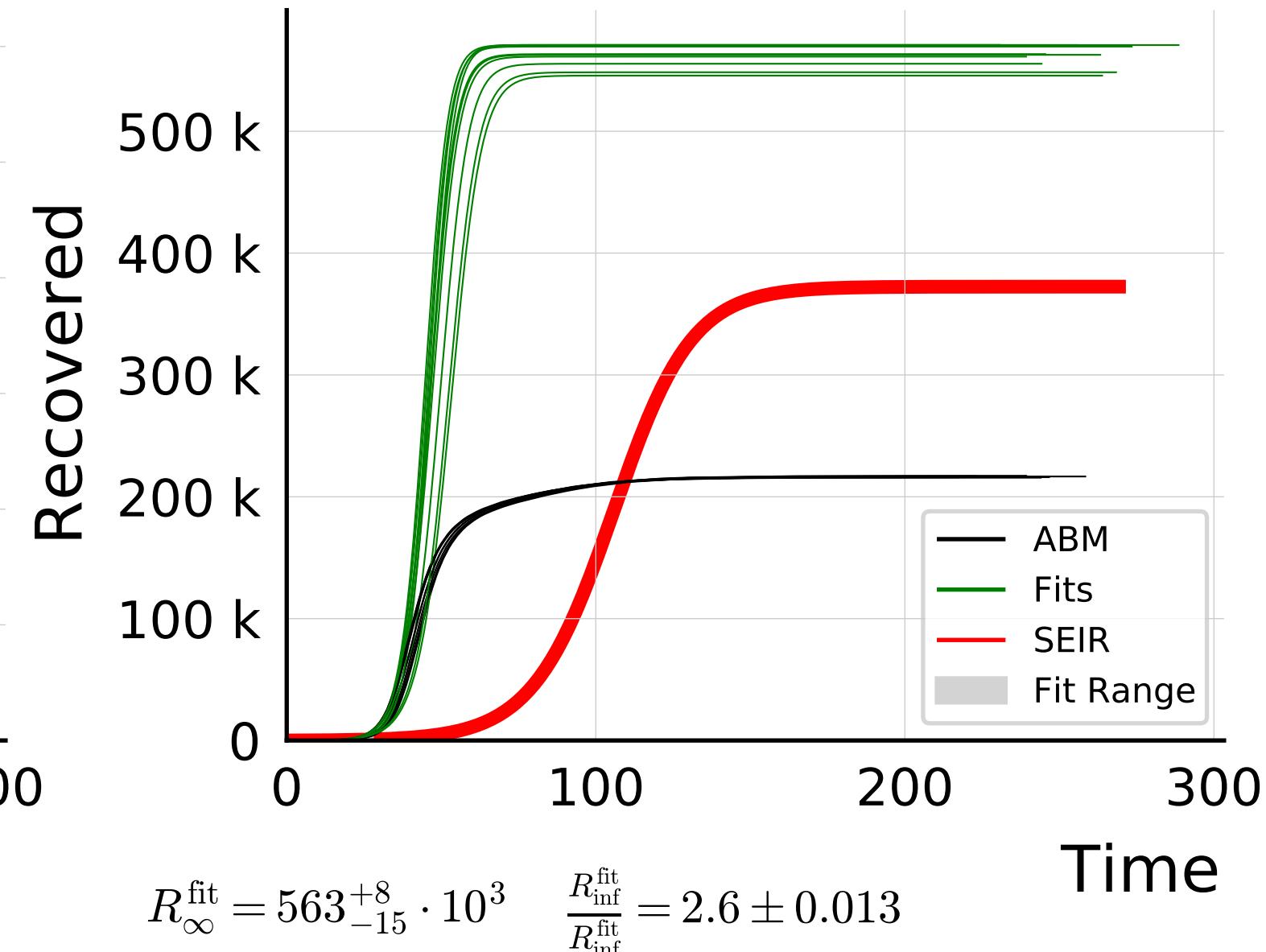
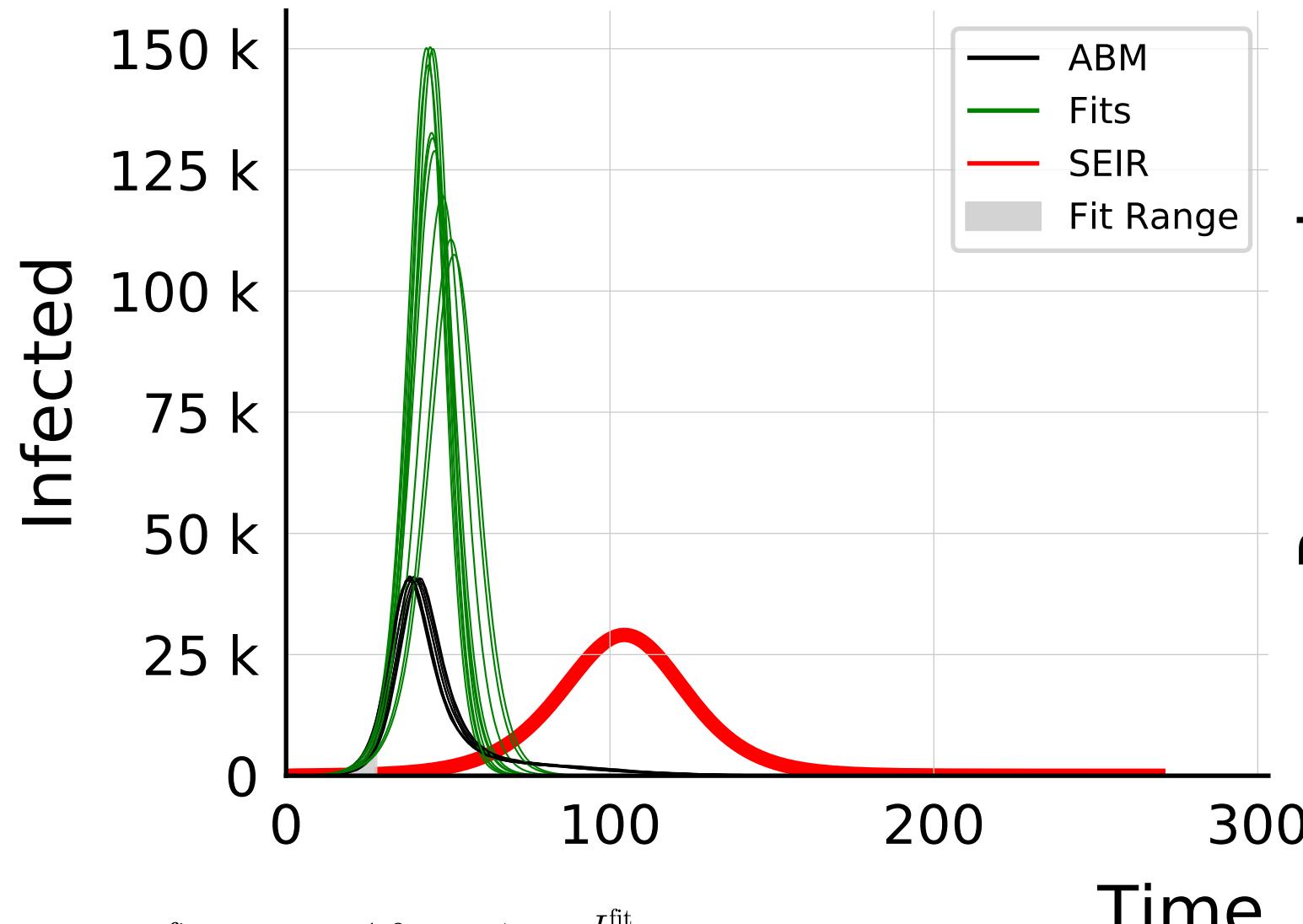


$$I_{\max}^{\text{fit}} = 20^{+1.4}_{-1.5} \cdot 10^4 \quad \frac{I_{\max}^{\text{fit}}}{I_{\max}^{\text{ABM}}} = 3.22 \pm 0.047$$

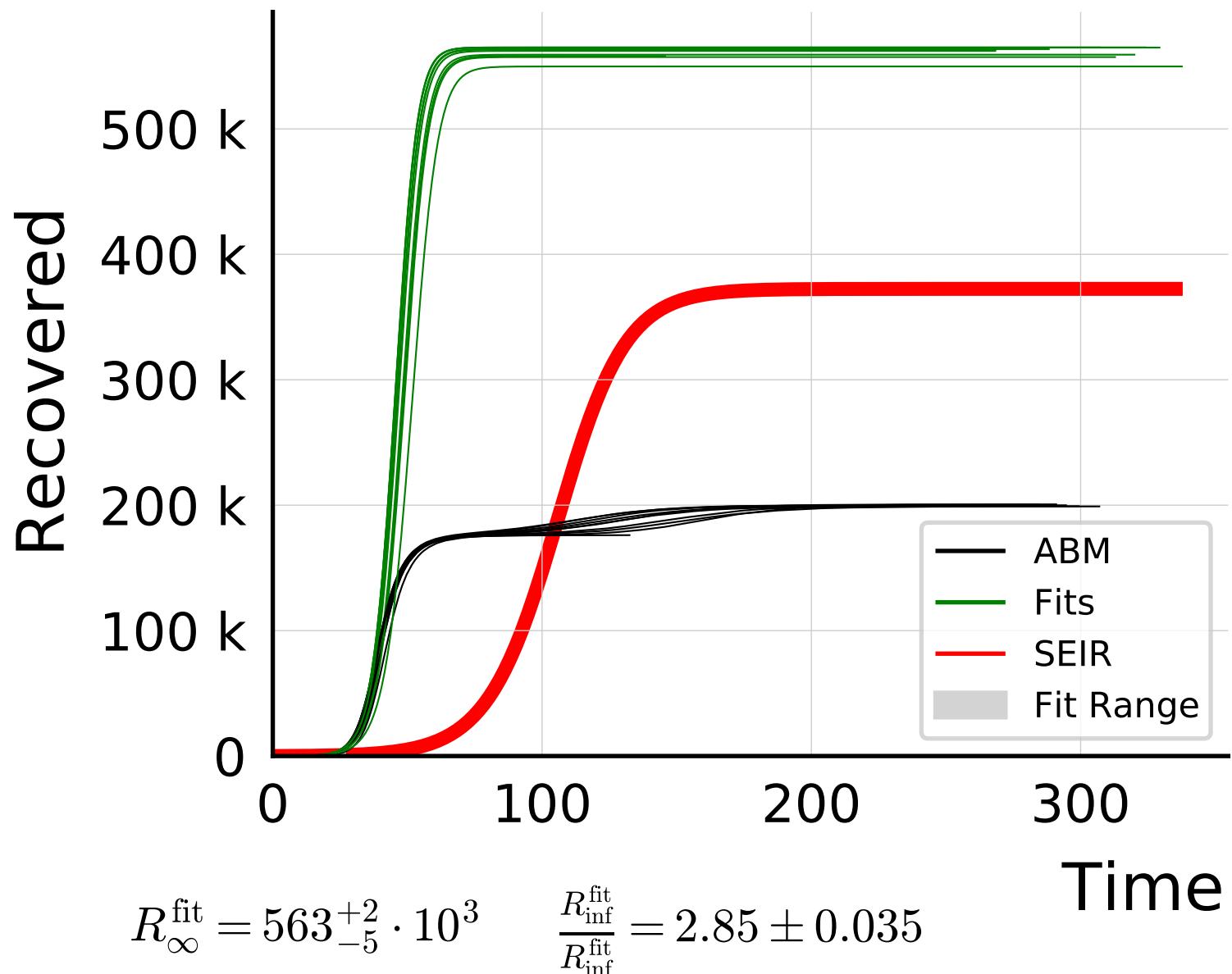
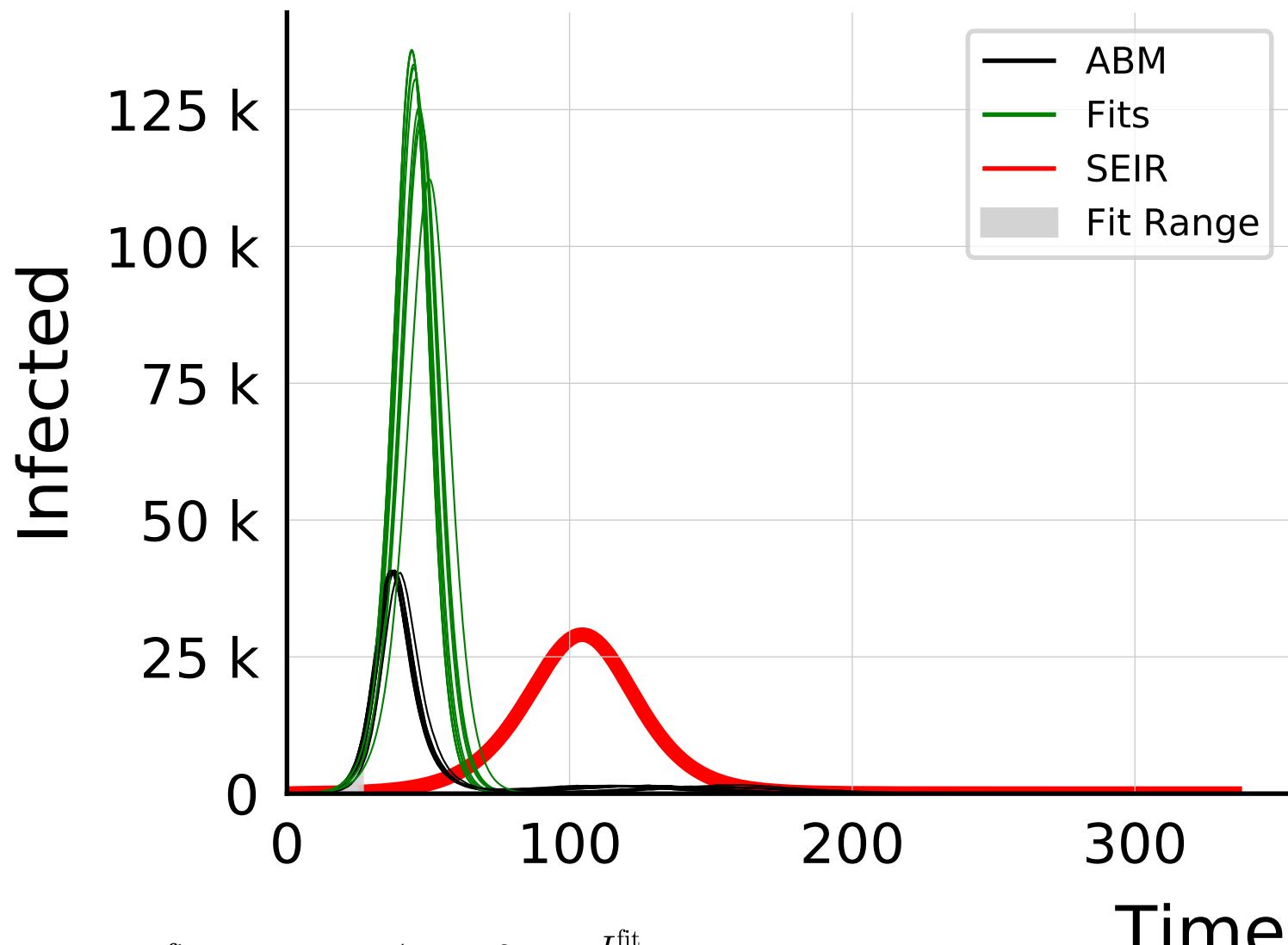


$$R_{\infty}^{\text{fit}} = 5794^{+4}_{-9} \cdot 10^2 \quad \frac{R_{\text{inf}}^{\text{fit}}}{R_{\infty}^{\text{fit}}} = 1.649 \pm 0.0013$$

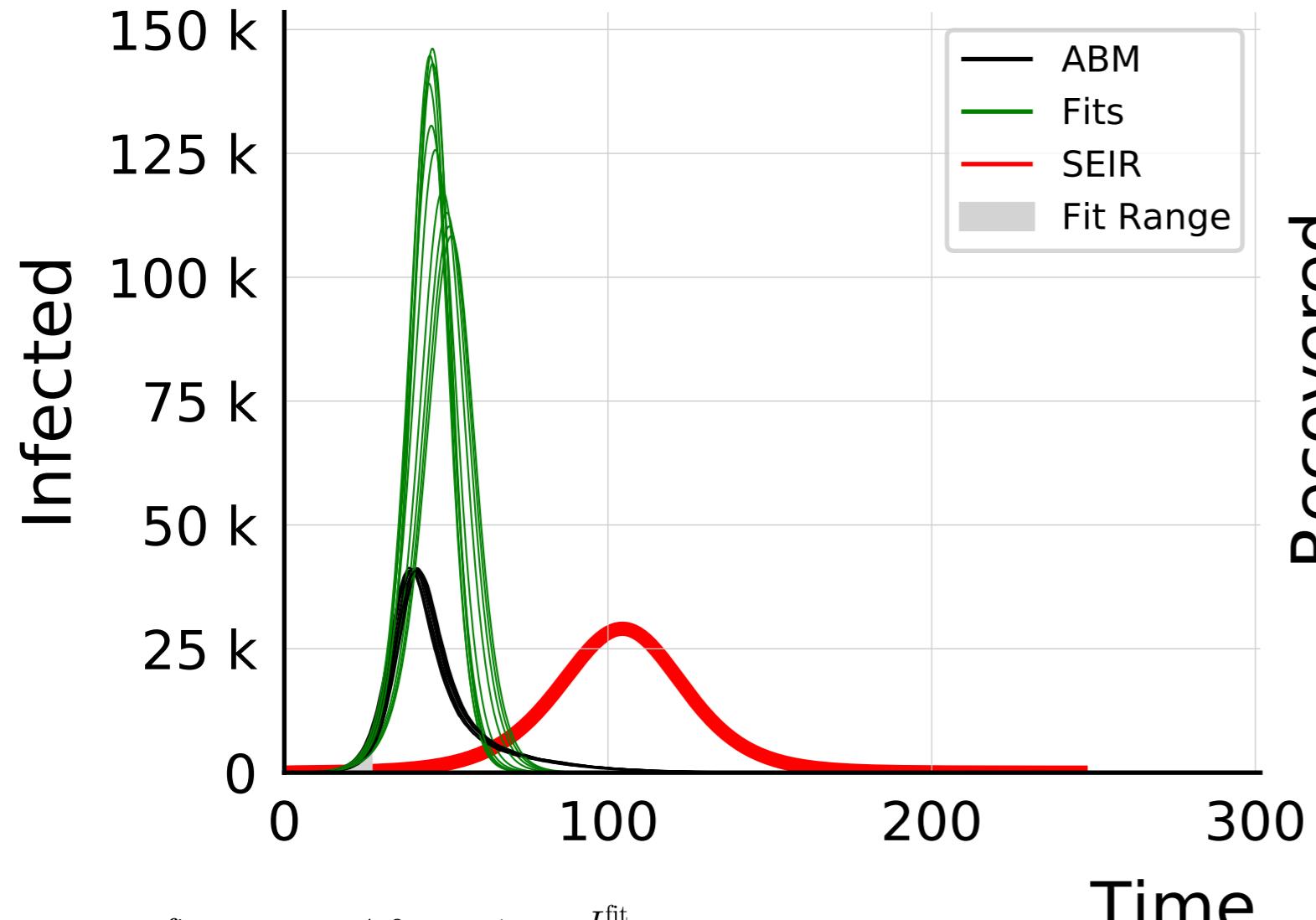
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.1$, $\epsilon_\rho = 0.05$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, #10



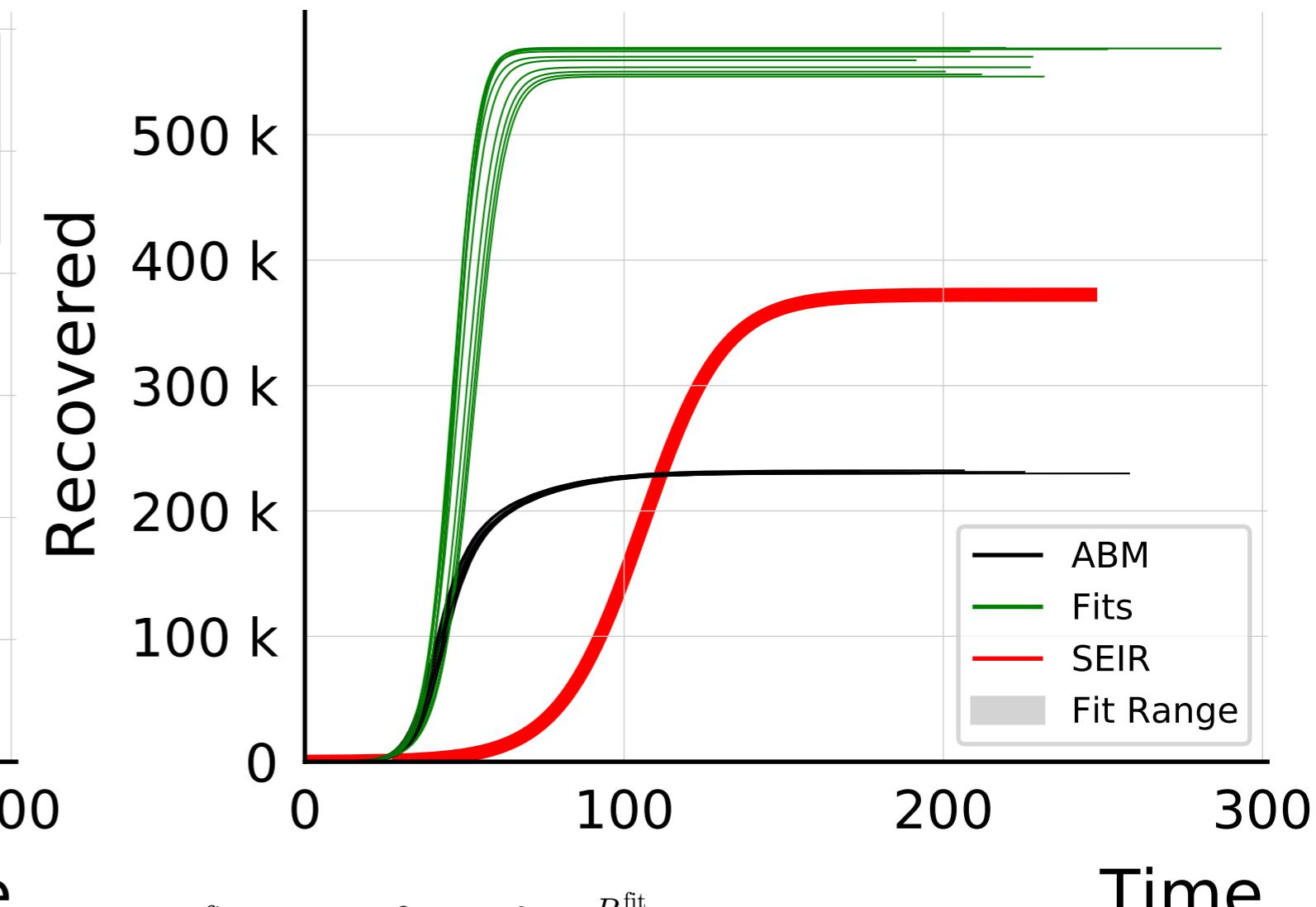
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.1$, $\epsilon_\rho = 0.0$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, #10



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

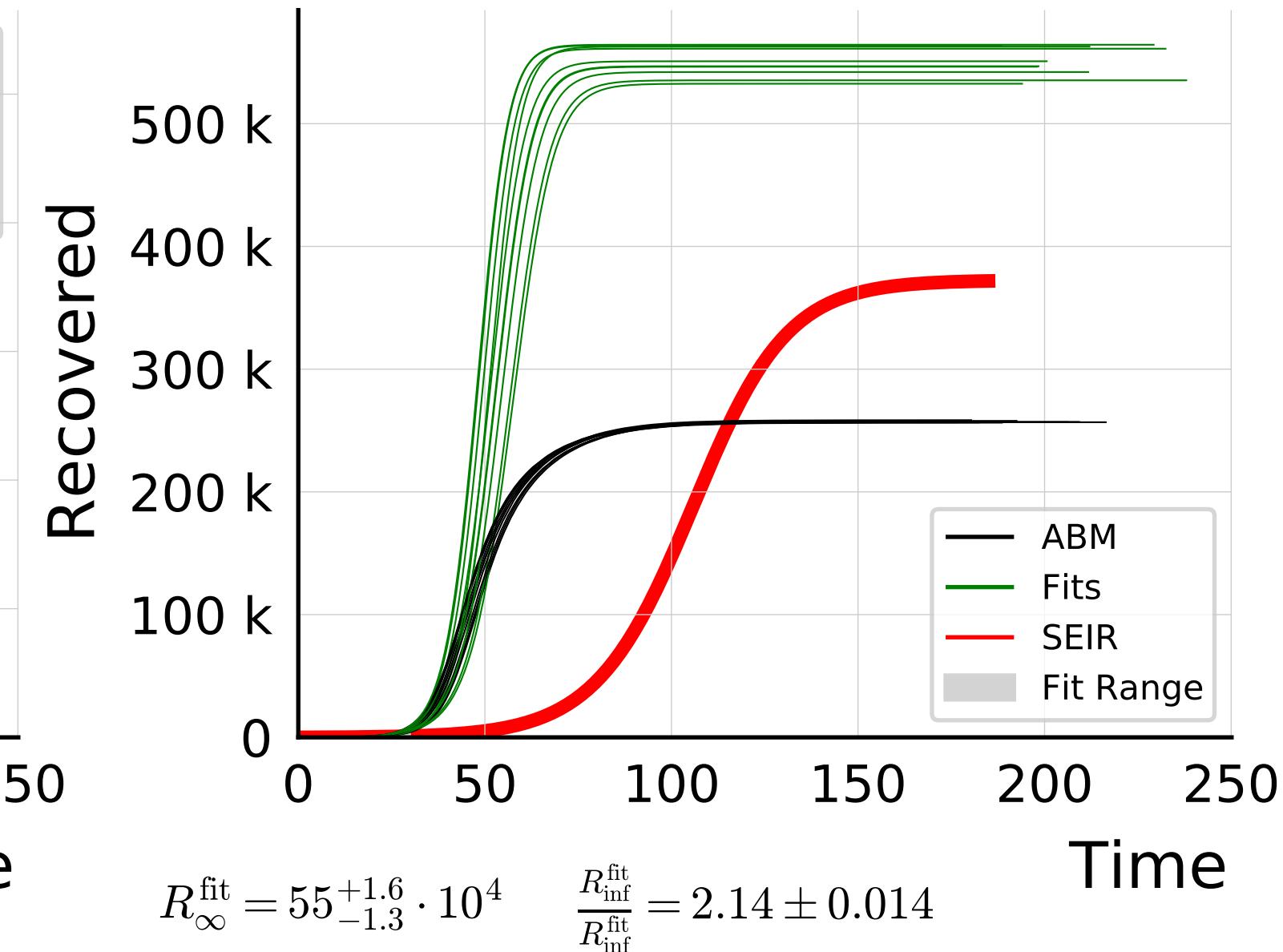
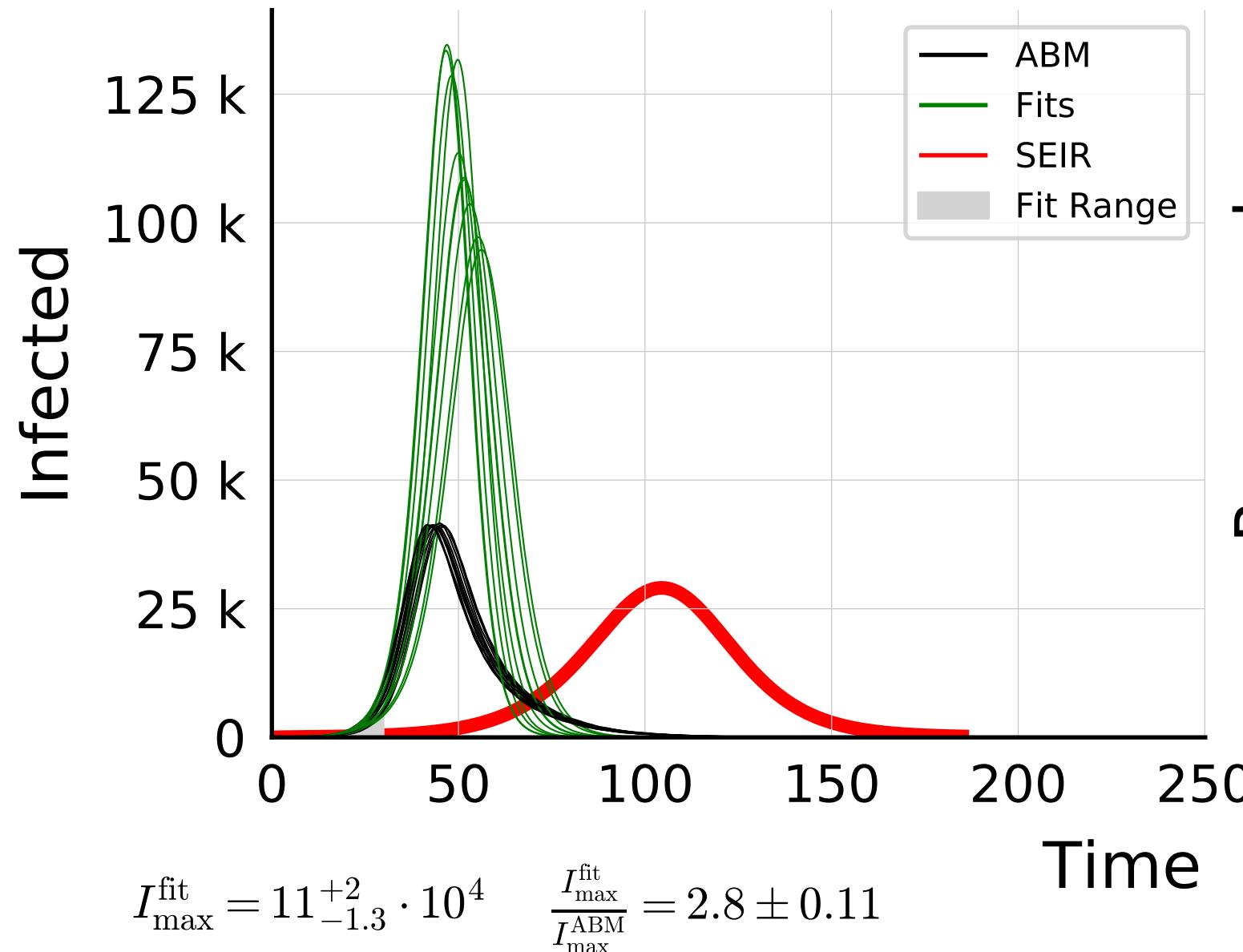


$$I_{\max}^{\text{fit}} = 13_{-1.8}^{+1.6} \cdot 10^4 \quad \frac{I_{\max}^{\text{fit}}}{I_{\max}^{\text{ABM}}} = 3.1 \pm 0.11$$

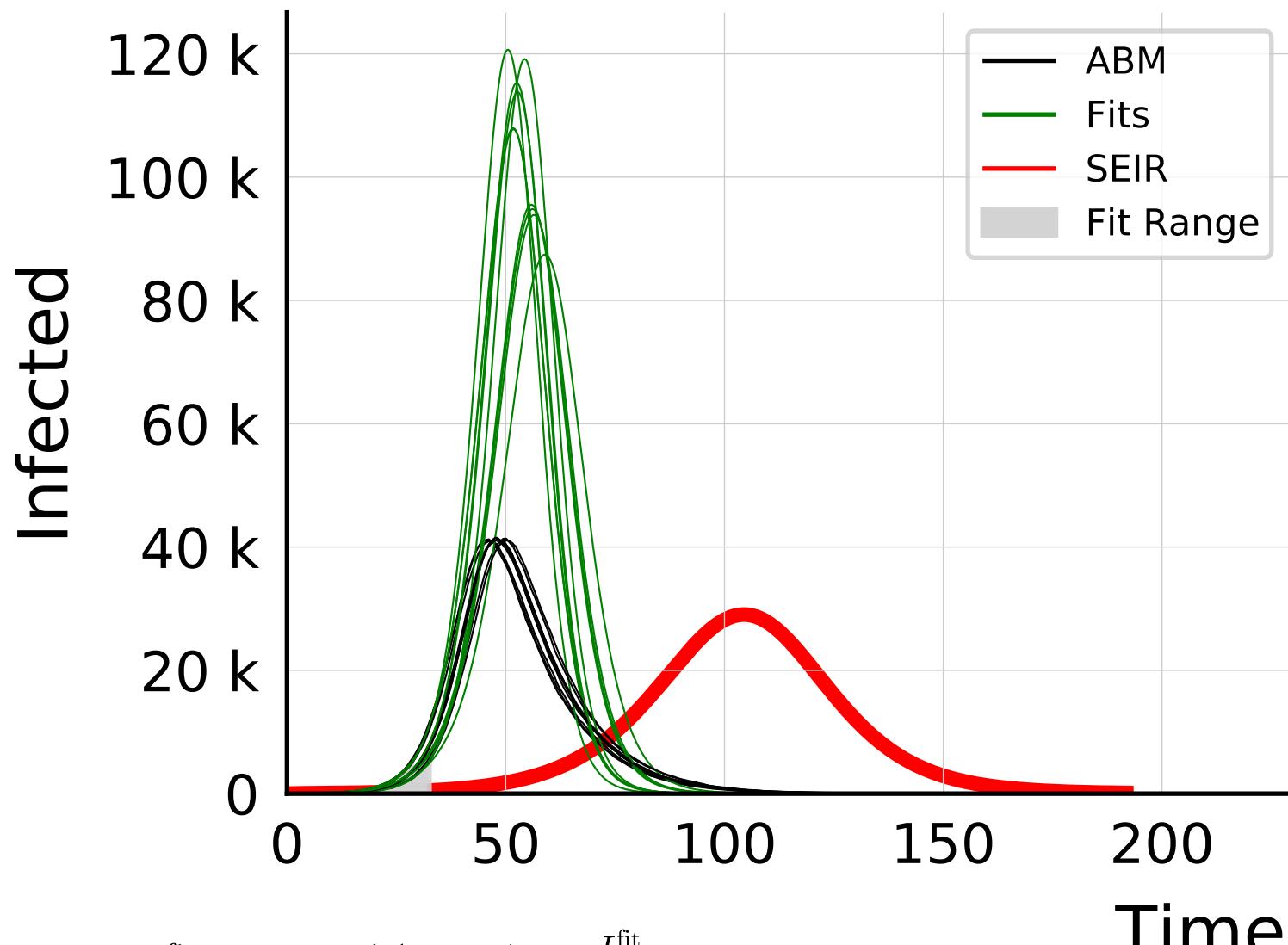


$$R_{\infty}^{\text{fit}} = 561_{-13}^{+8} \cdot 10^3 \quad \frac{R_{\infty}^{\text{fit}}}{R_{\text{inf}}^{\text{fit}}} = 2.42 \pm 0.012$$

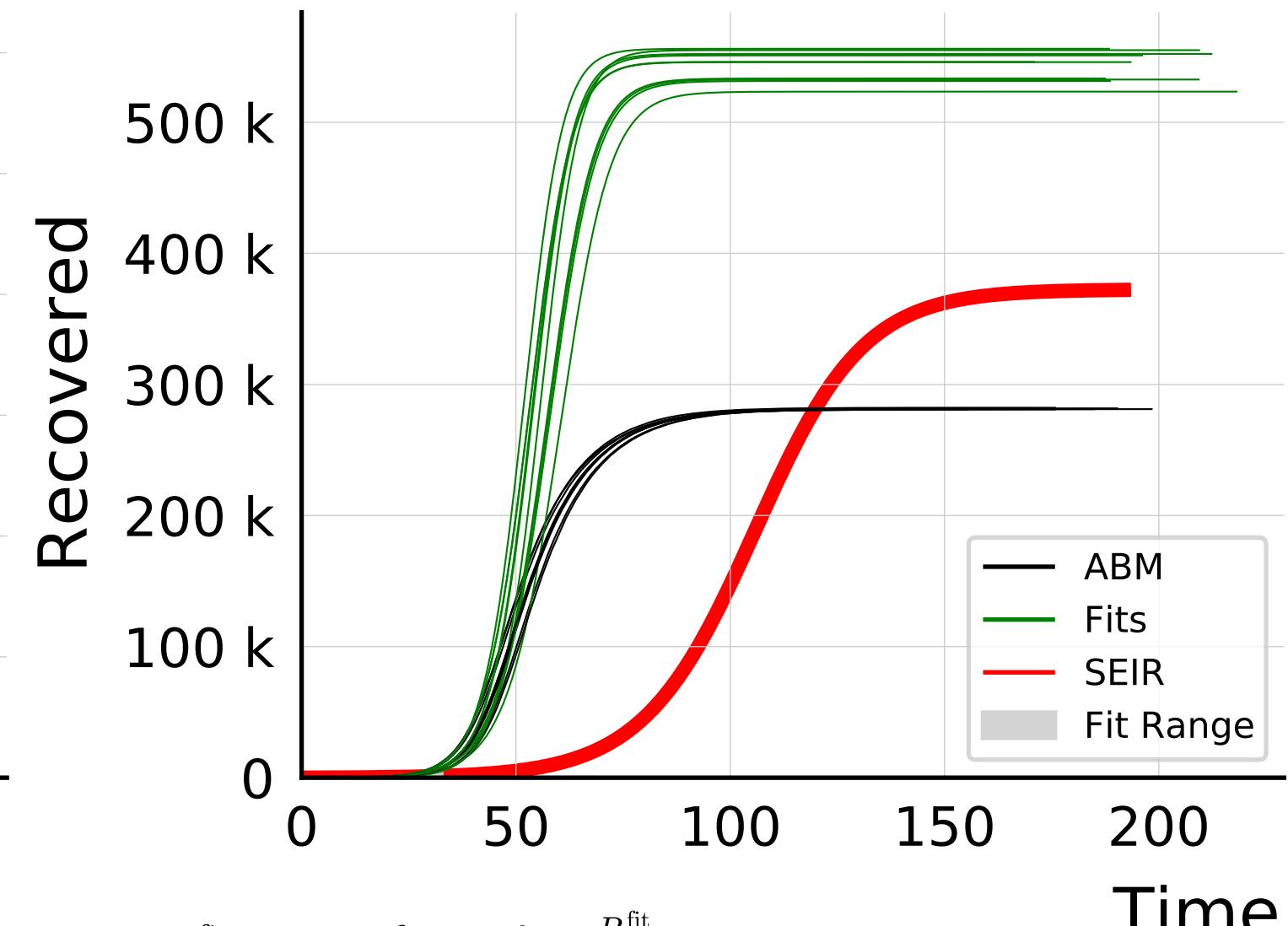
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.1$, $\epsilon_\rho = 0.2$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, #10



$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.1$, $\epsilon_\rho = 0.3$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, #10

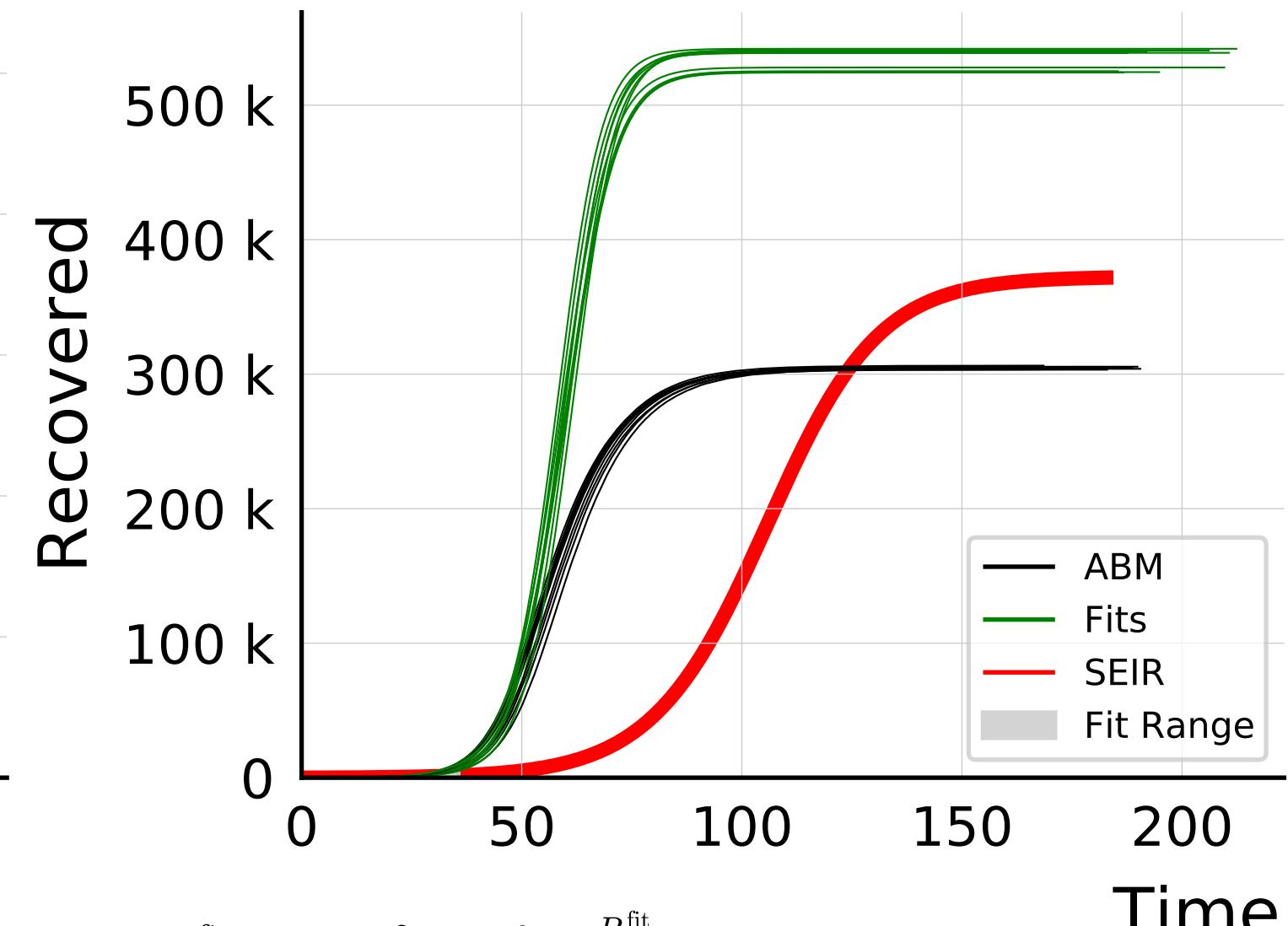
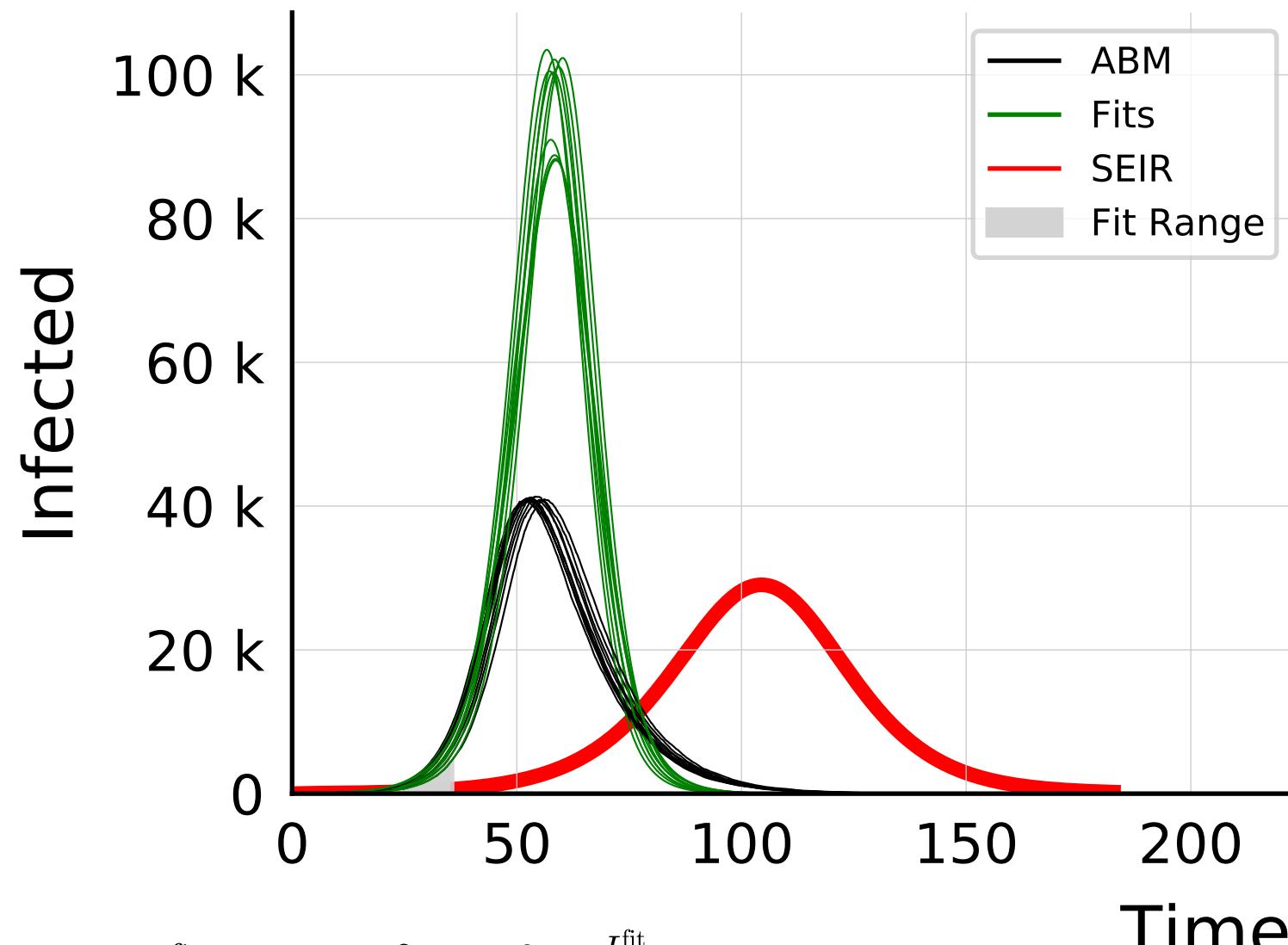


$$I_{\max}^{\text{fit}} = 11^{+1.1}_{-1.4} \cdot 10^4 \quad \frac{I_{\max}^{\text{fit}}}{I_{\max}^{\text{ABM}}} = 2.56 \pm 0.088$$

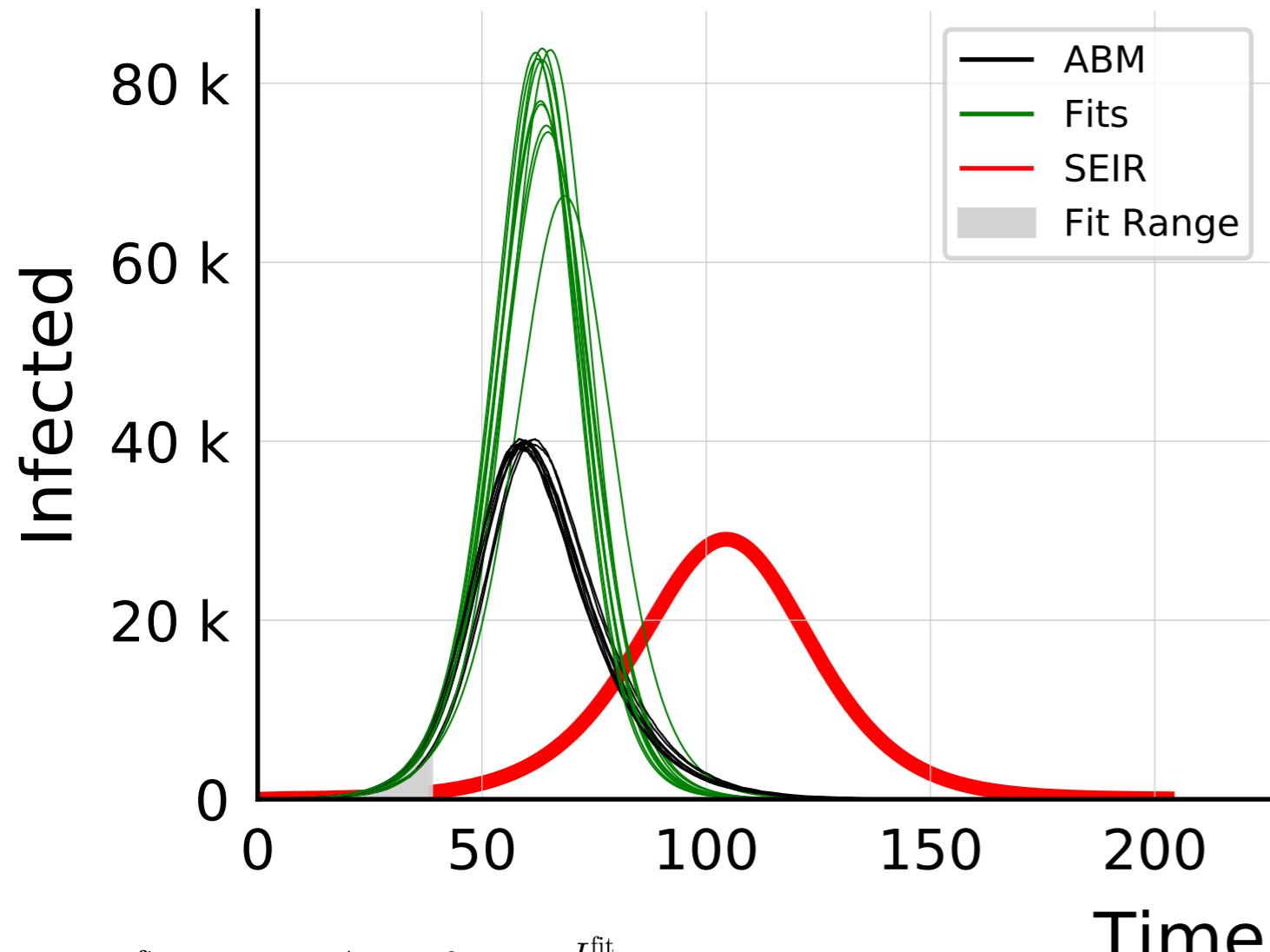


$$R_{\infty}^{\text{fit}} = 546^{+9}_{-14} \cdot 10^3 \quad \frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{inf}}} = 1.93 \pm 0.012$$

$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.1$, $\epsilon_\rho = 0.4$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, #10

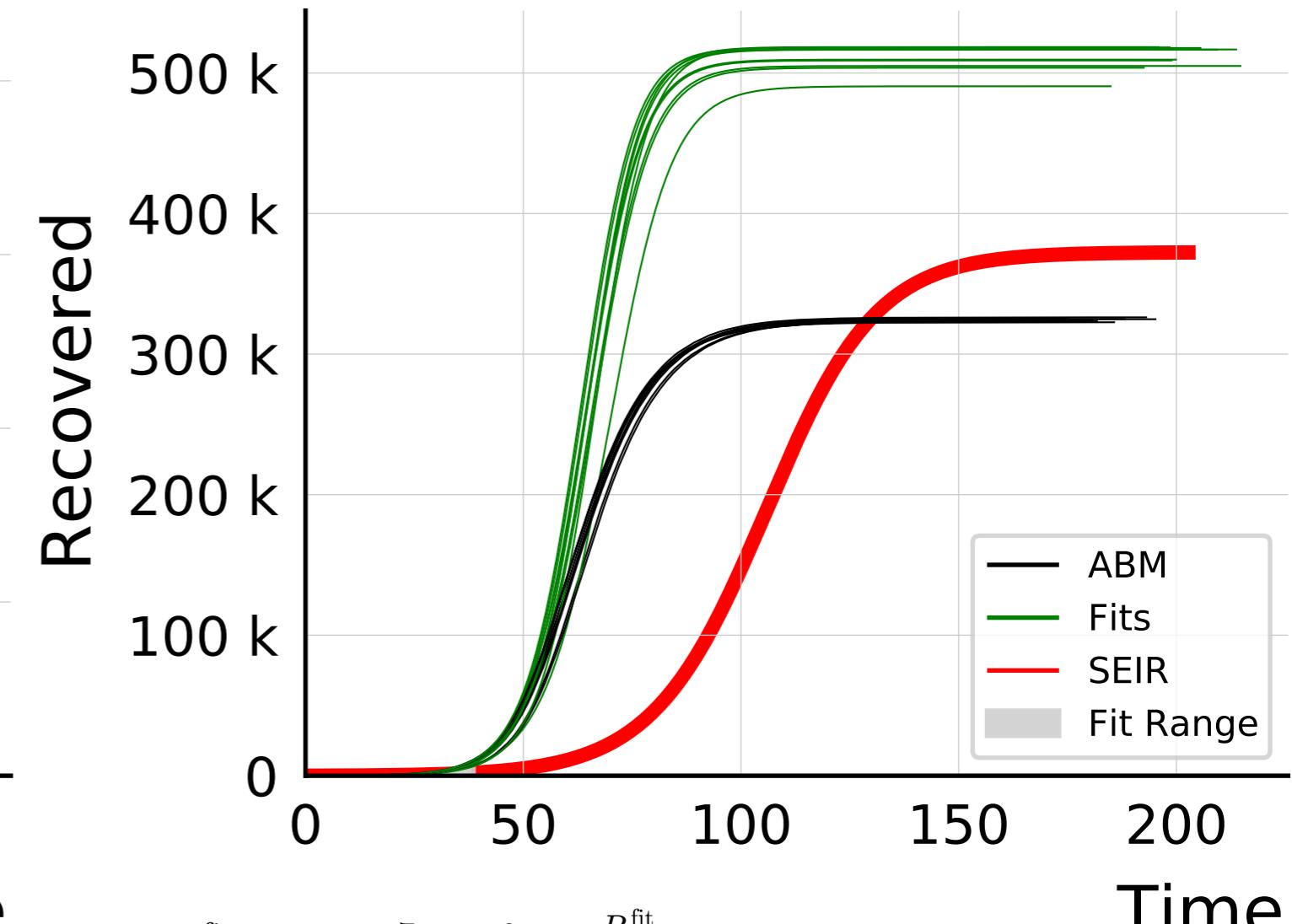


$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.1$, $\epsilon_\rho = 0.5$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, #10



$$I_{\max}^{\text{fit}} = 79^{+4}_{-5} \cdot 10^3$$

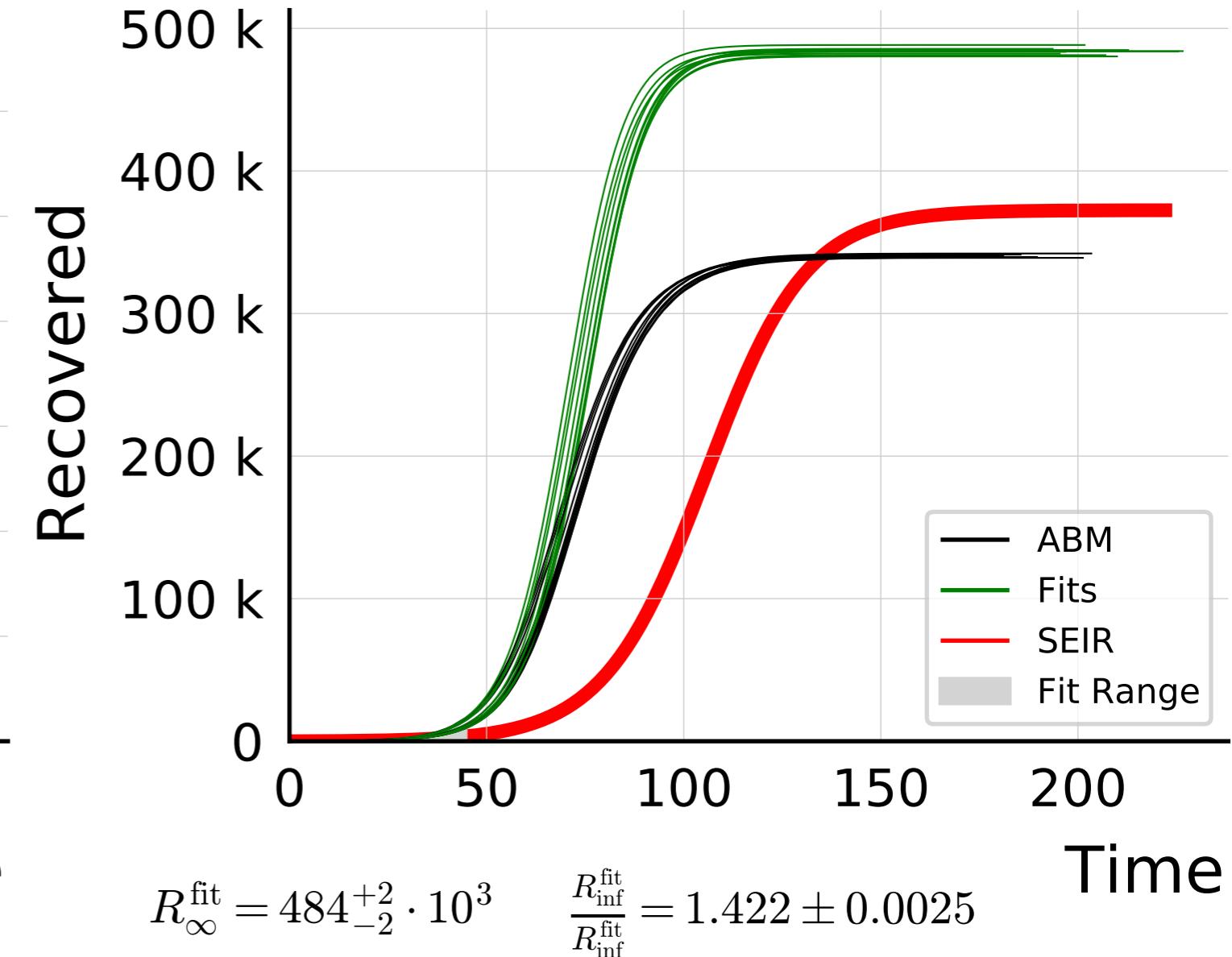
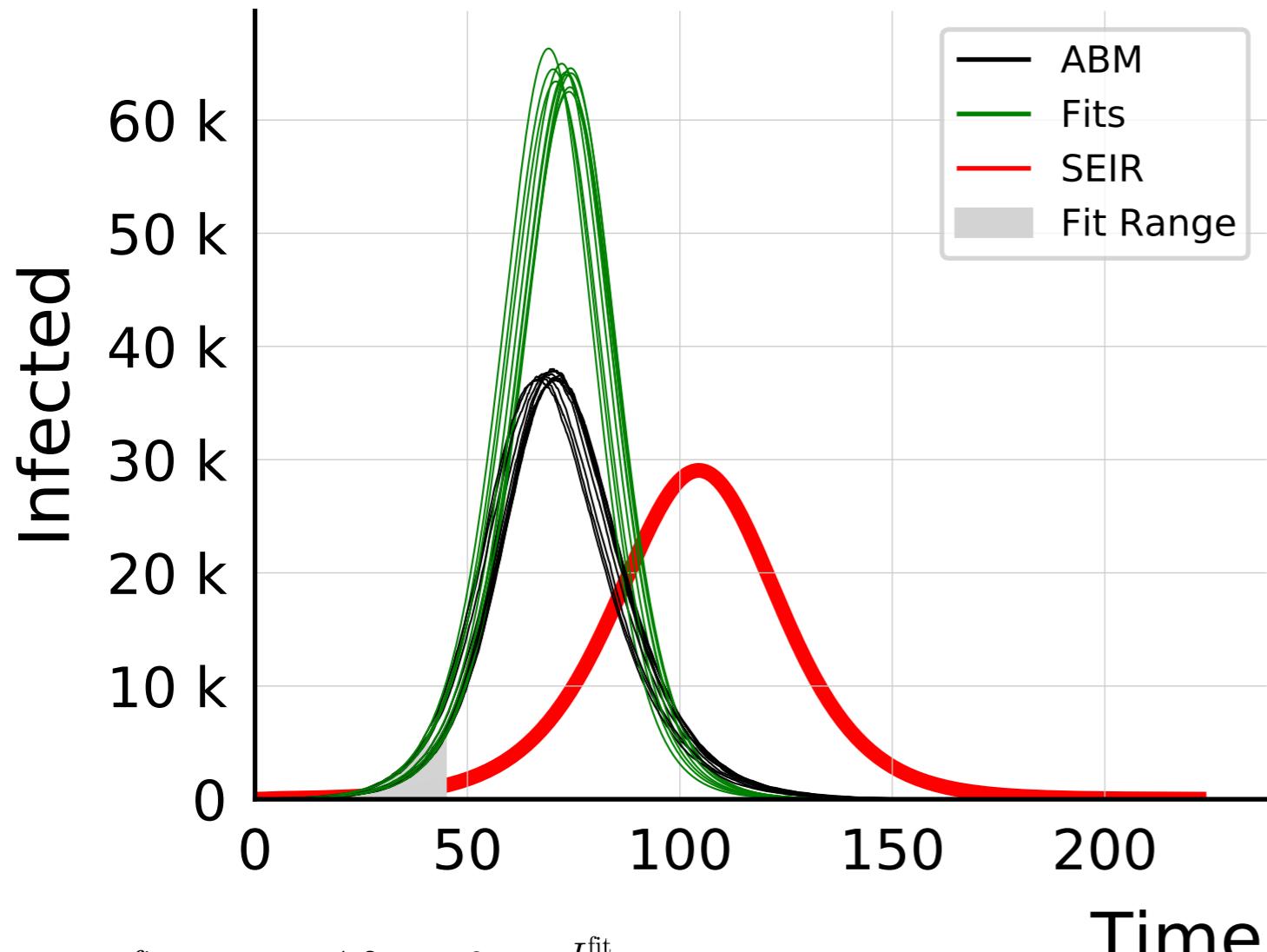
$$\frac{I_{\max}^{\text{fit}}}{I_{\max}^{\text{ABM}}} = 1.98 \pm 0.043$$



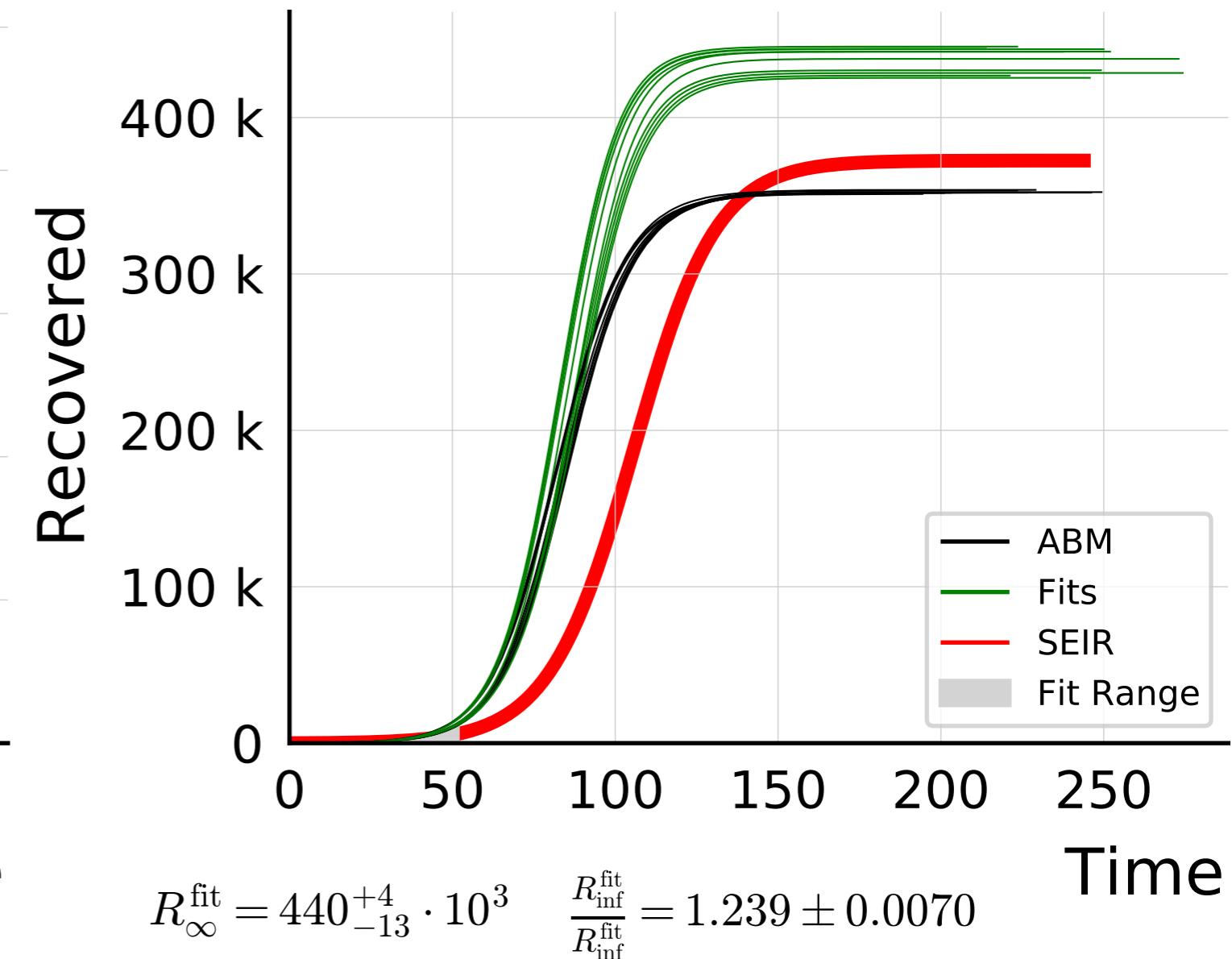
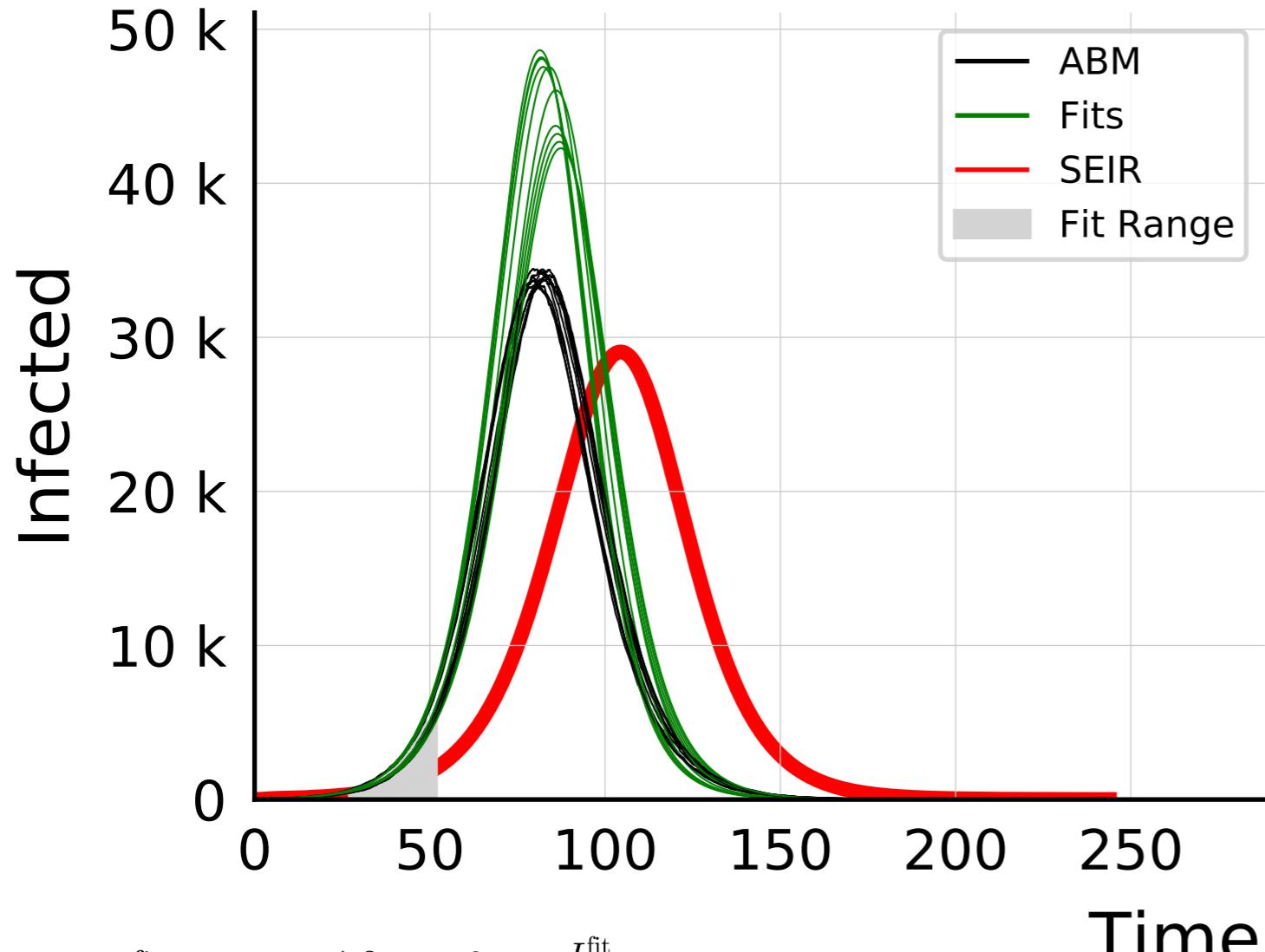
$$R_{\infty}^{\text{fit}} = 512^{+7}_{-8} \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\text{inf}}^{\text{fit}}} = 1.575 \pm 0.0082$$

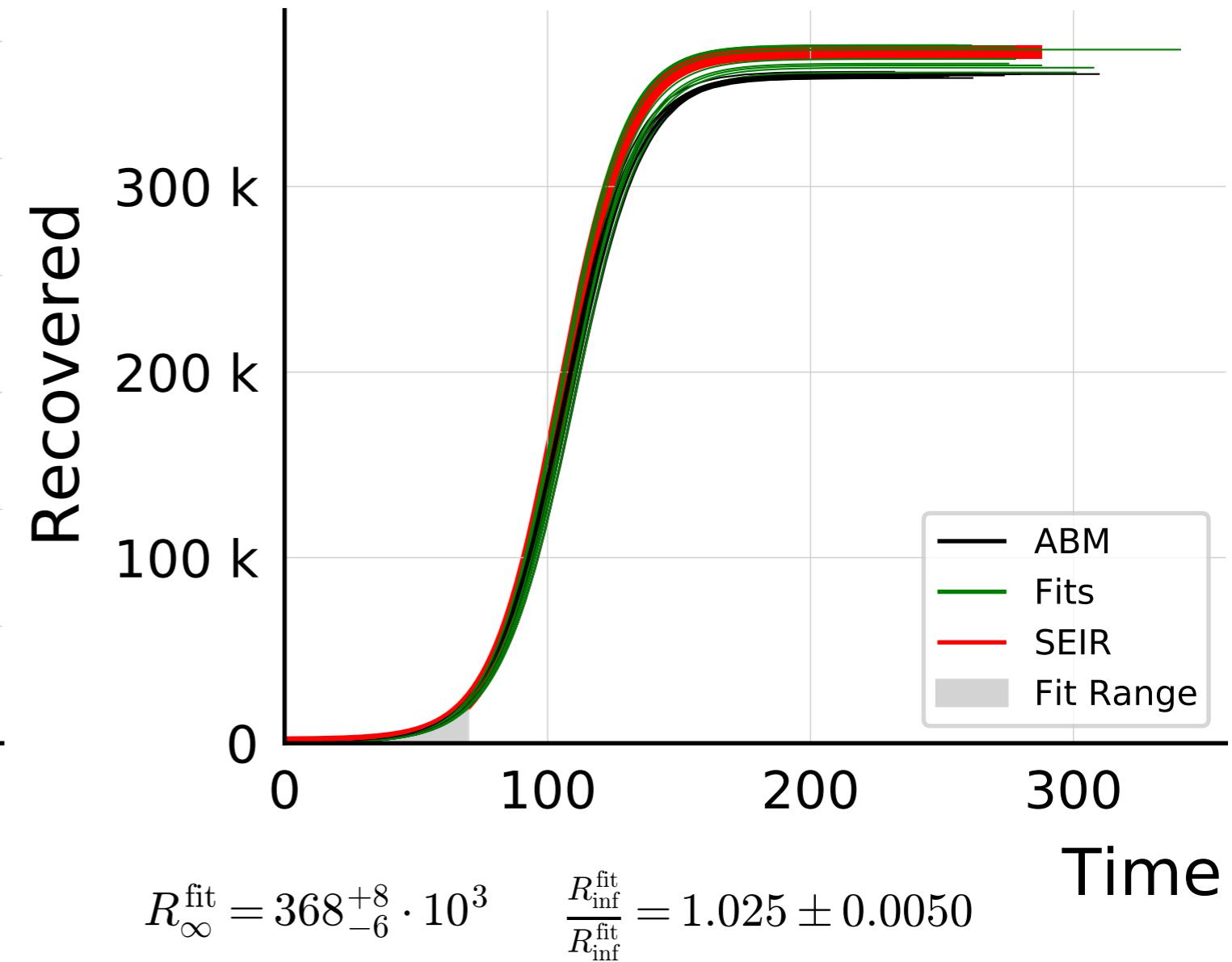
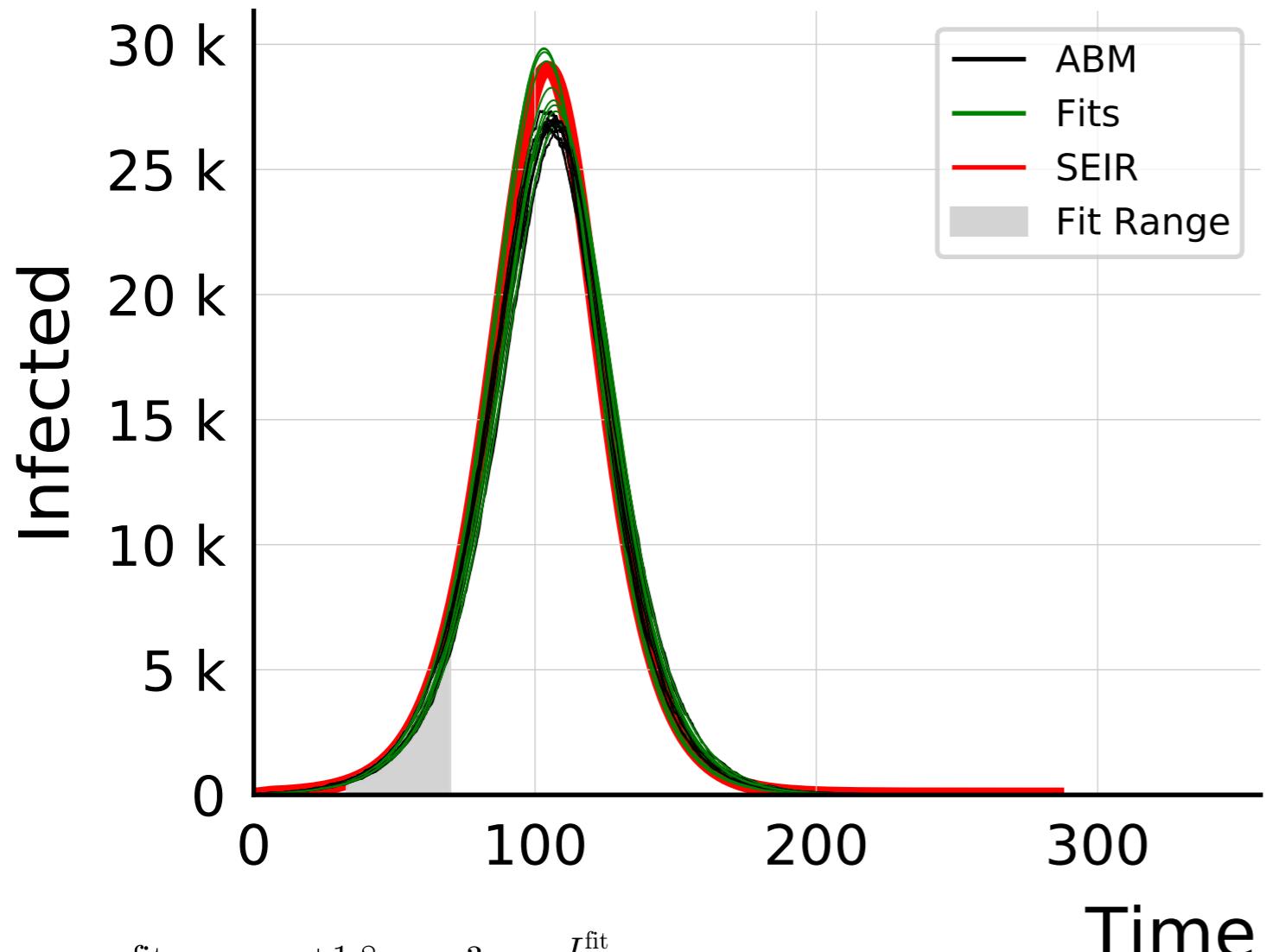
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.1$, $\epsilon_\rho = 0.6$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, #10



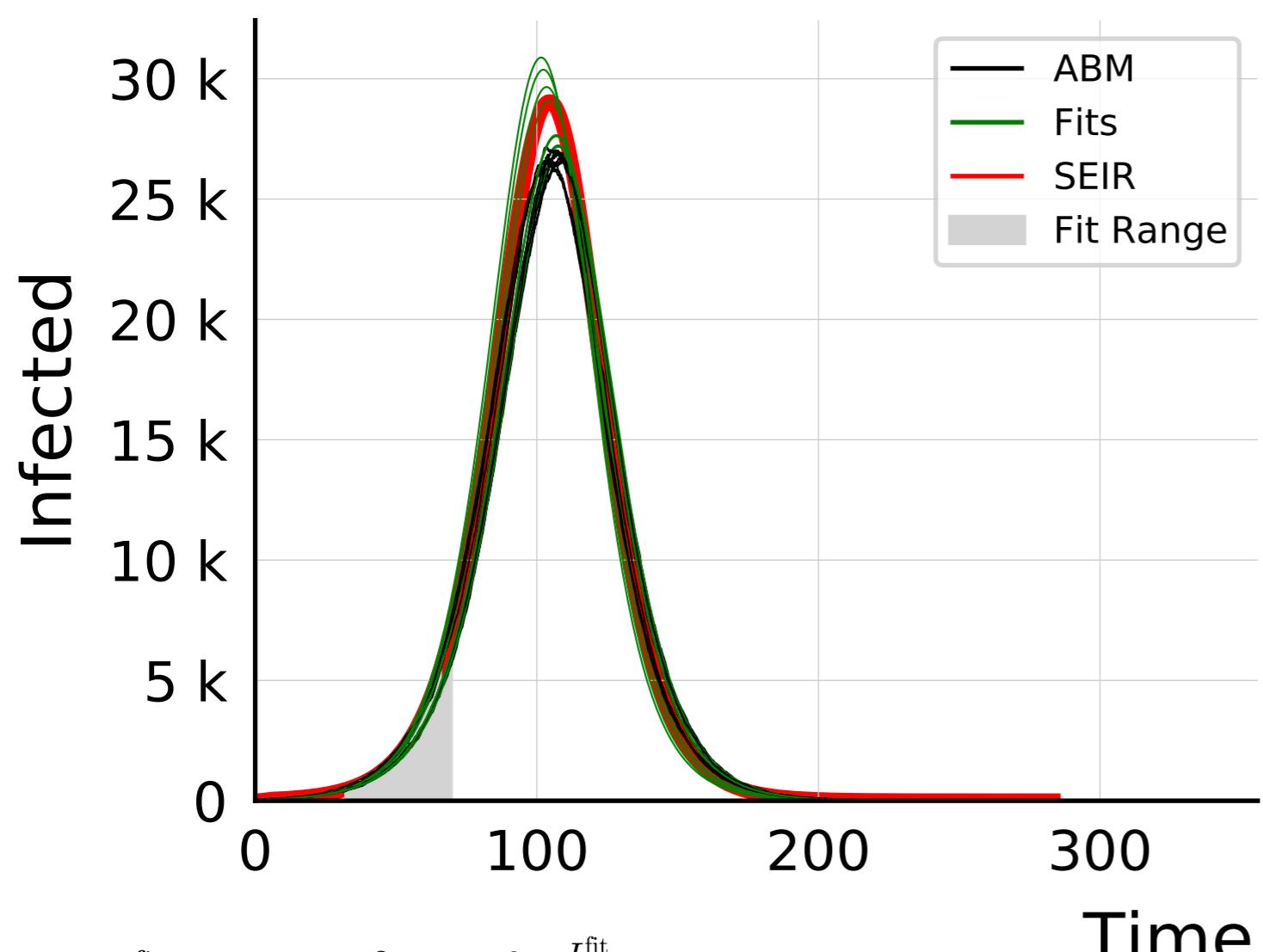
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.1$, $\epsilon_\rho = 0.7$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, #10



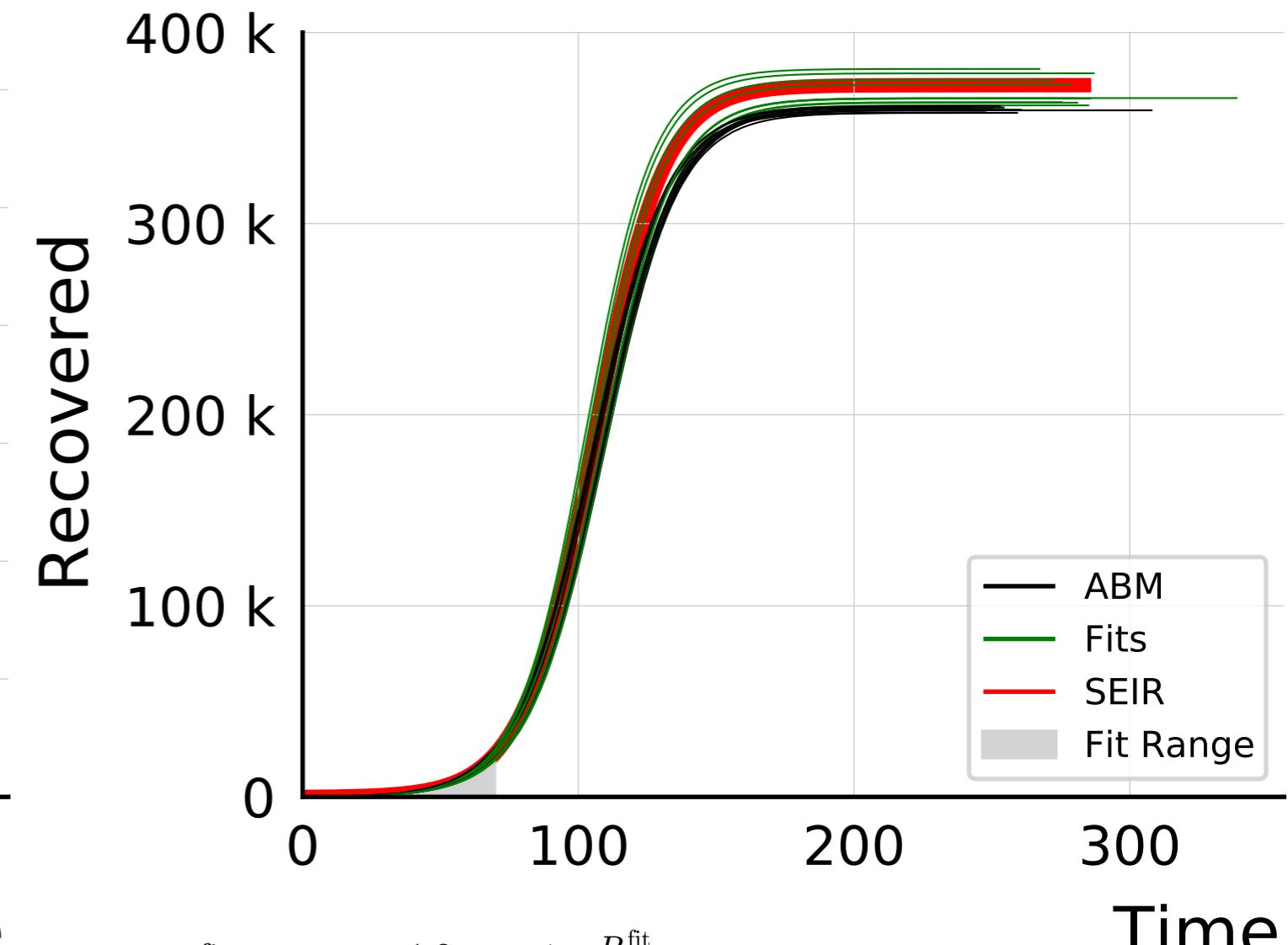
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.1$, $\epsilon_\rho = 0.95$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, #10



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

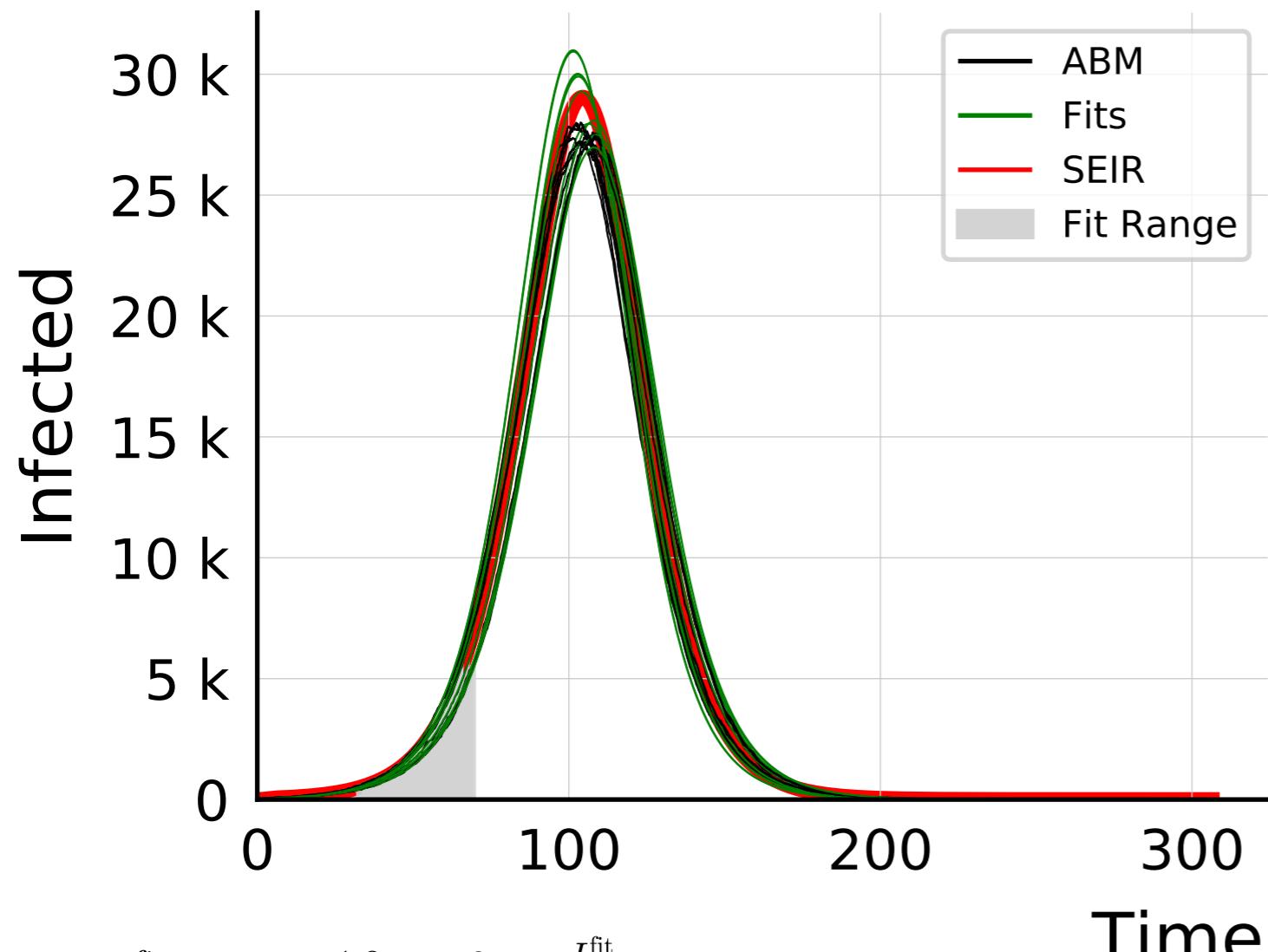


$$I_{\max}^{\text{fit}} = 27.7_{-0.5}^{+3} \cdot 10^3 \quad \frac{I_{\max}^{\text{fit}}}{I_{\max}^{\text{ABM}}} = 1.06 \pm 0.018$$



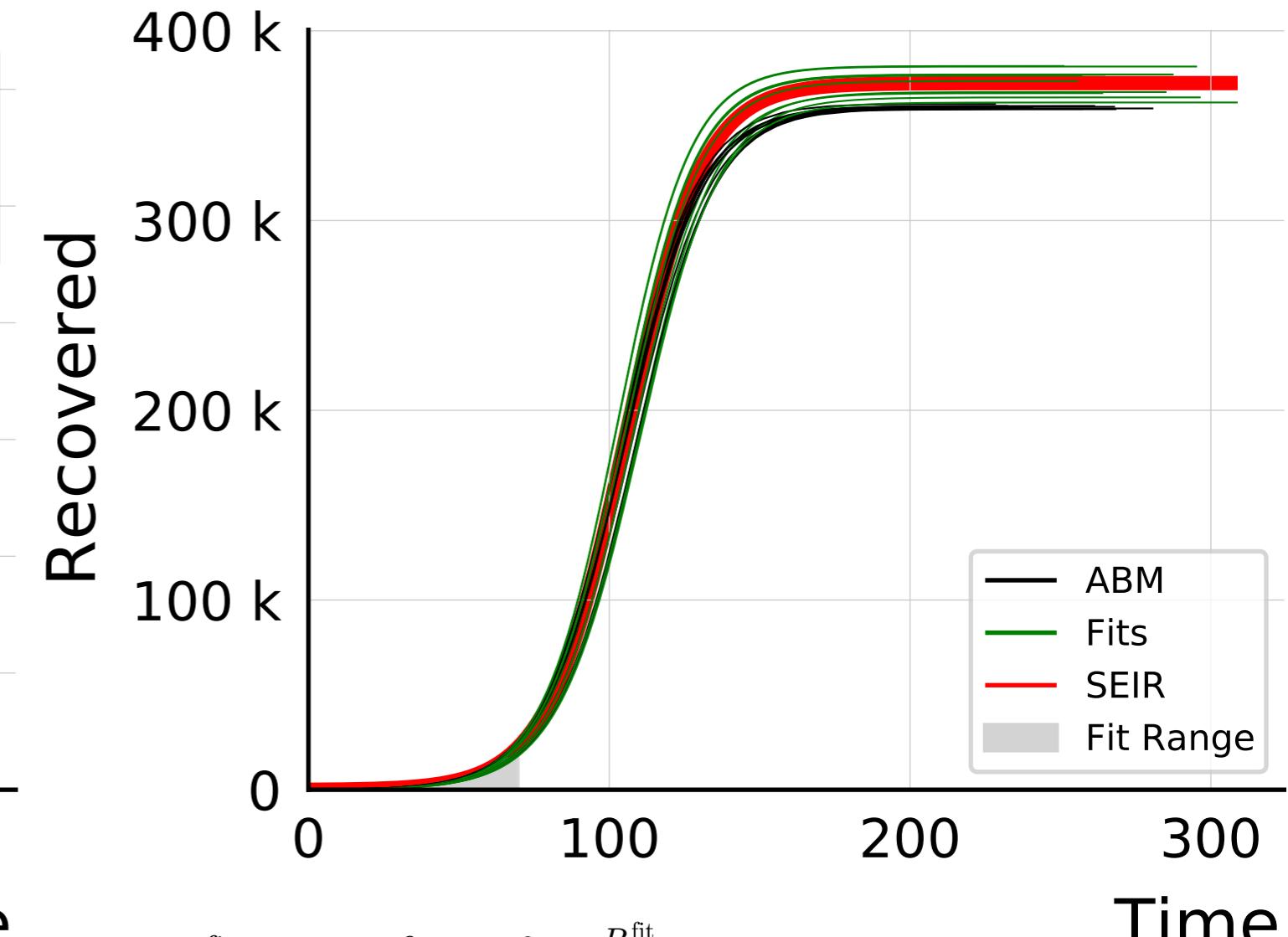
$$R_{\infty}^{\text{fit}} = 36.6_{-0.2}^{+1.3} \cdot 10^4 \quad \frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{inf}}} = 1.027 \pm 0.0056$$

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



$$I_{\max}^{\text{fit}} = 30_{-2}^{+1.3} \cdot 10^3$$

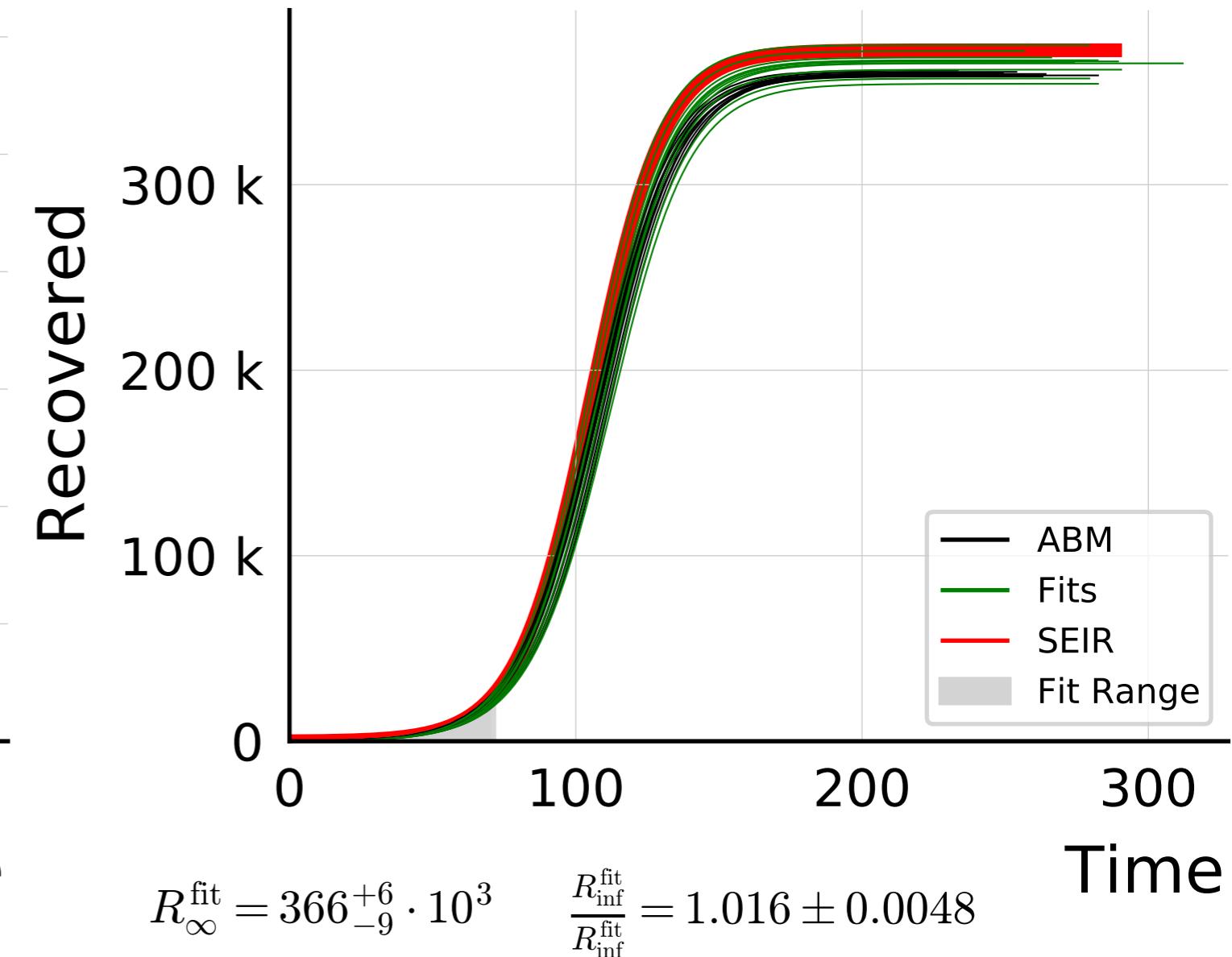
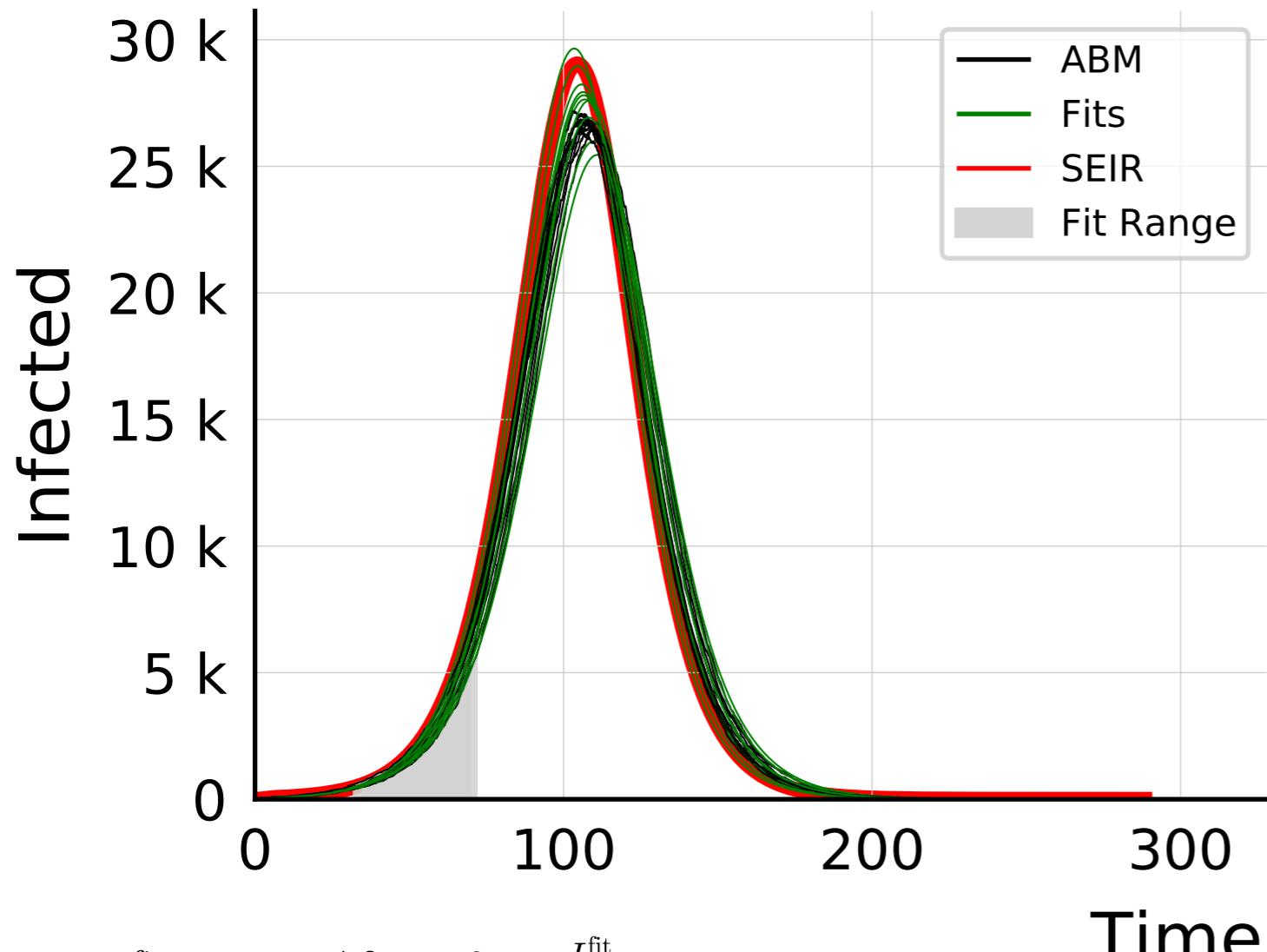
$$\frac{I_{\max}^{\text{fit}}}{I_{\max}^{\text{ABM}}} = 1.06 \pm 0.016$$



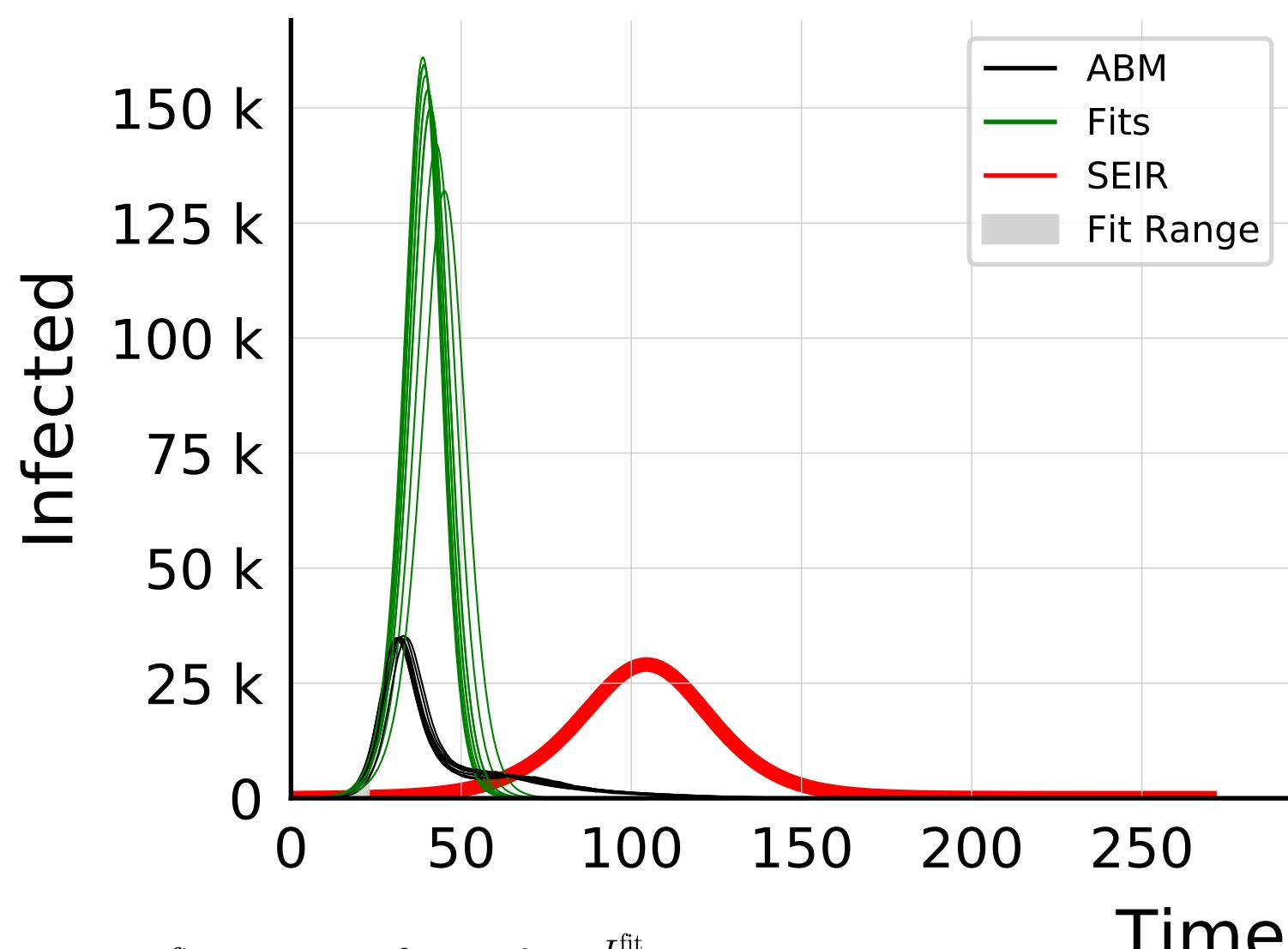
$$R_{\infty}^{\text{fit}} = 375_{-10}^{+6} \cdot 10^3$$

$$\frac{R_{\text{inf}}^{\text{fit}}}{R_{\text{inf}}} = 1.036 \pm 0.0055$$

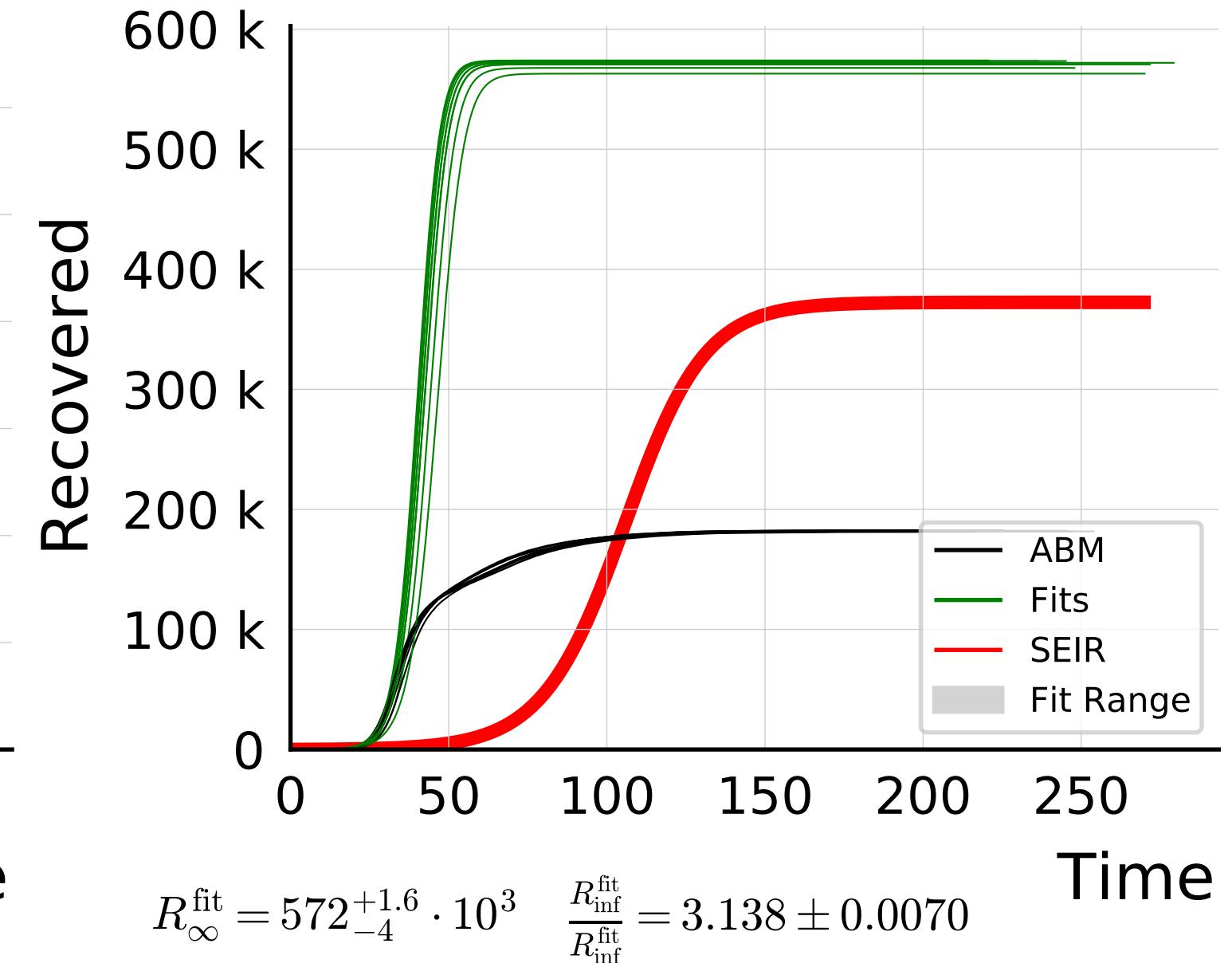
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.1$, $\epsilon_\rho = 1.0$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, #10



$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.25$, $\epsilon_\rho = 0.02$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, #10

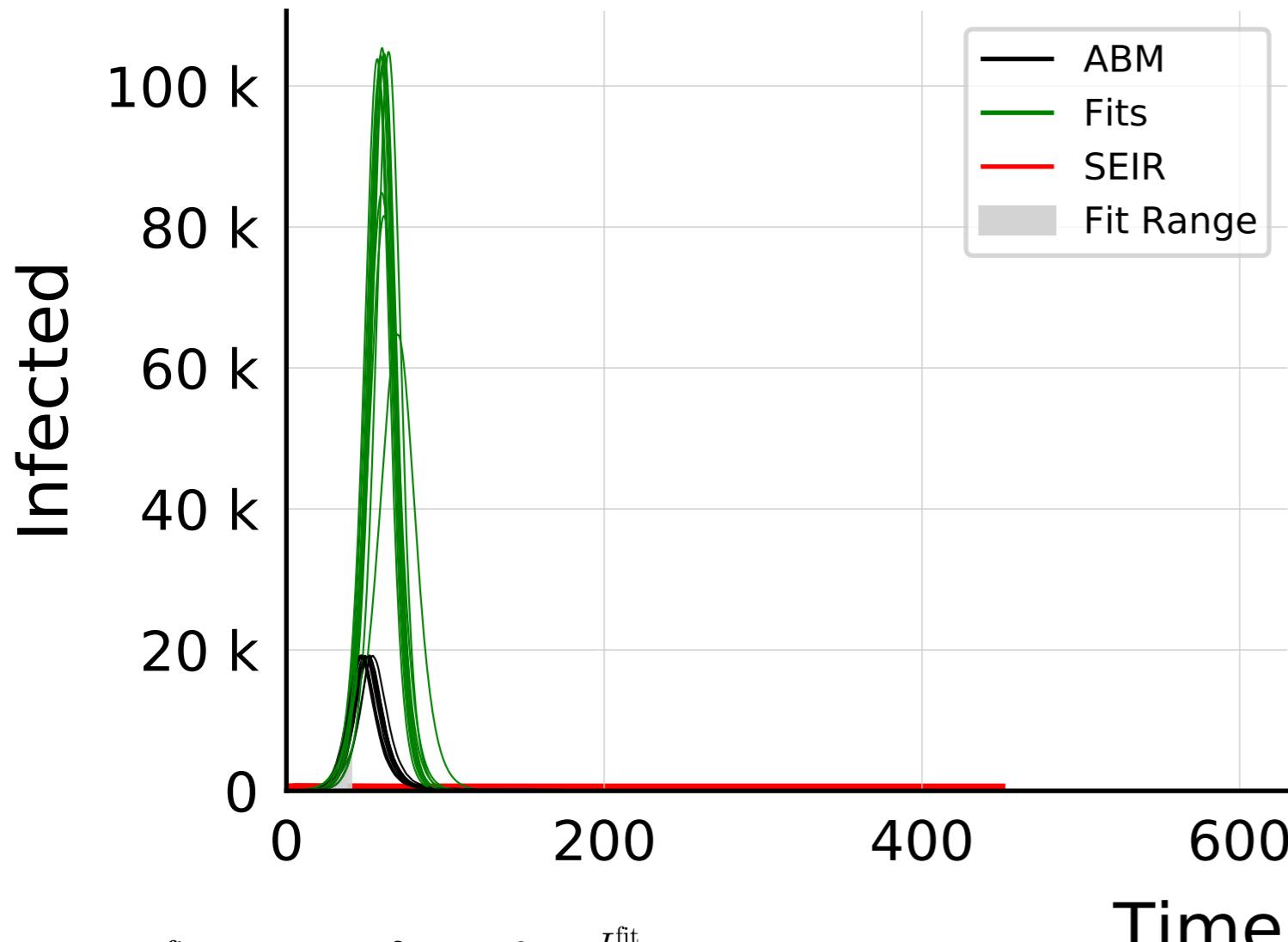


$$I_{\max}^{\text{fit}} = 154_{-12}^{+6} \cdot 10^3 \quad \frac{I_{\max}^{\text{fit}}}{I_{\max}^{\text{ABM}}} = 4.35 \pm 0.081$$

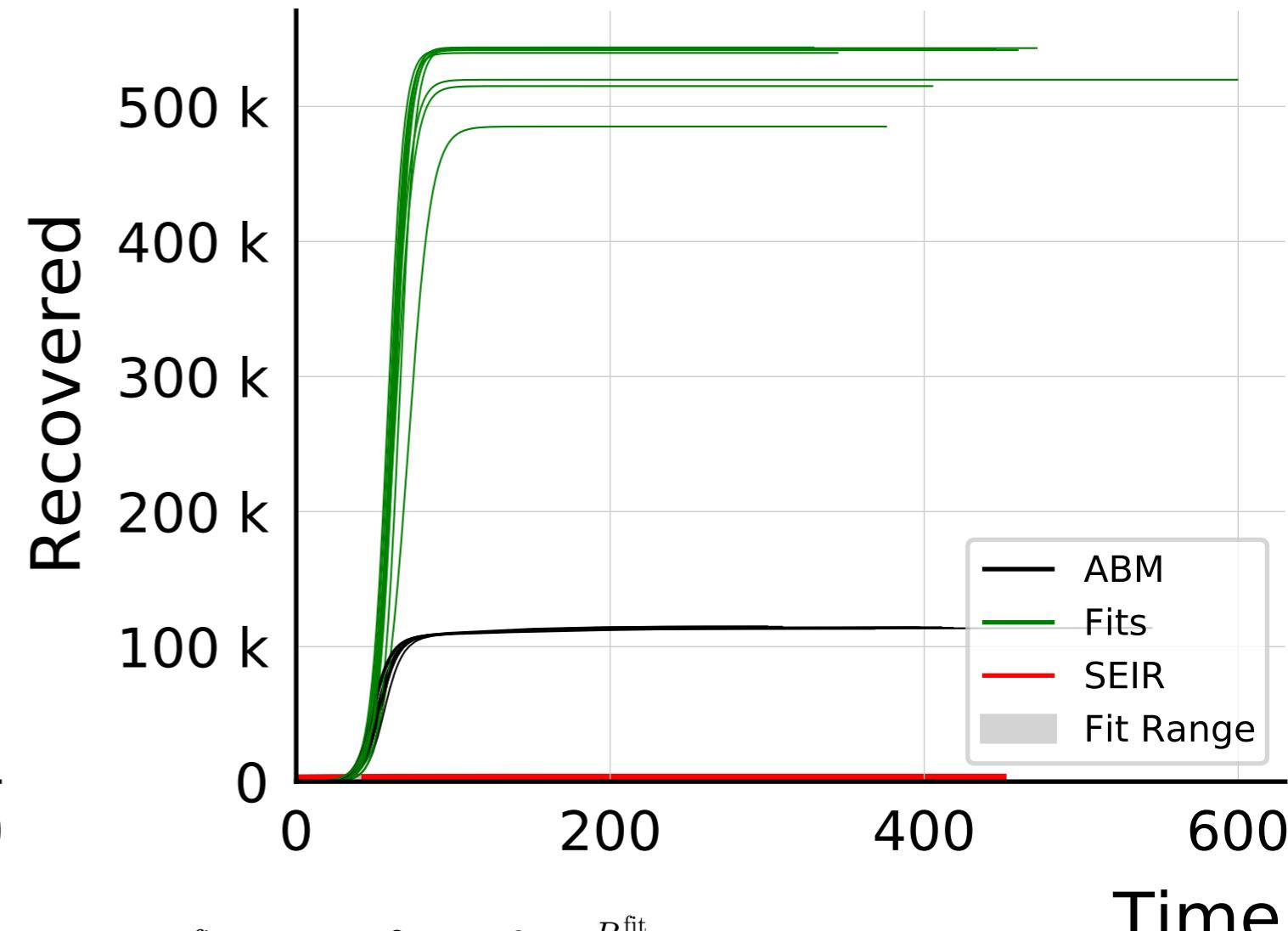


$$R_{\infty}^{\text{fit}} = 572_{-4}^{+1.6} \cdot 10^3 \quad \frac{R_{\infty}^{\text{fit}}}{R_{\text{inf}}^{\text{fit}}} = 3.138 \pm 0.0070$$

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

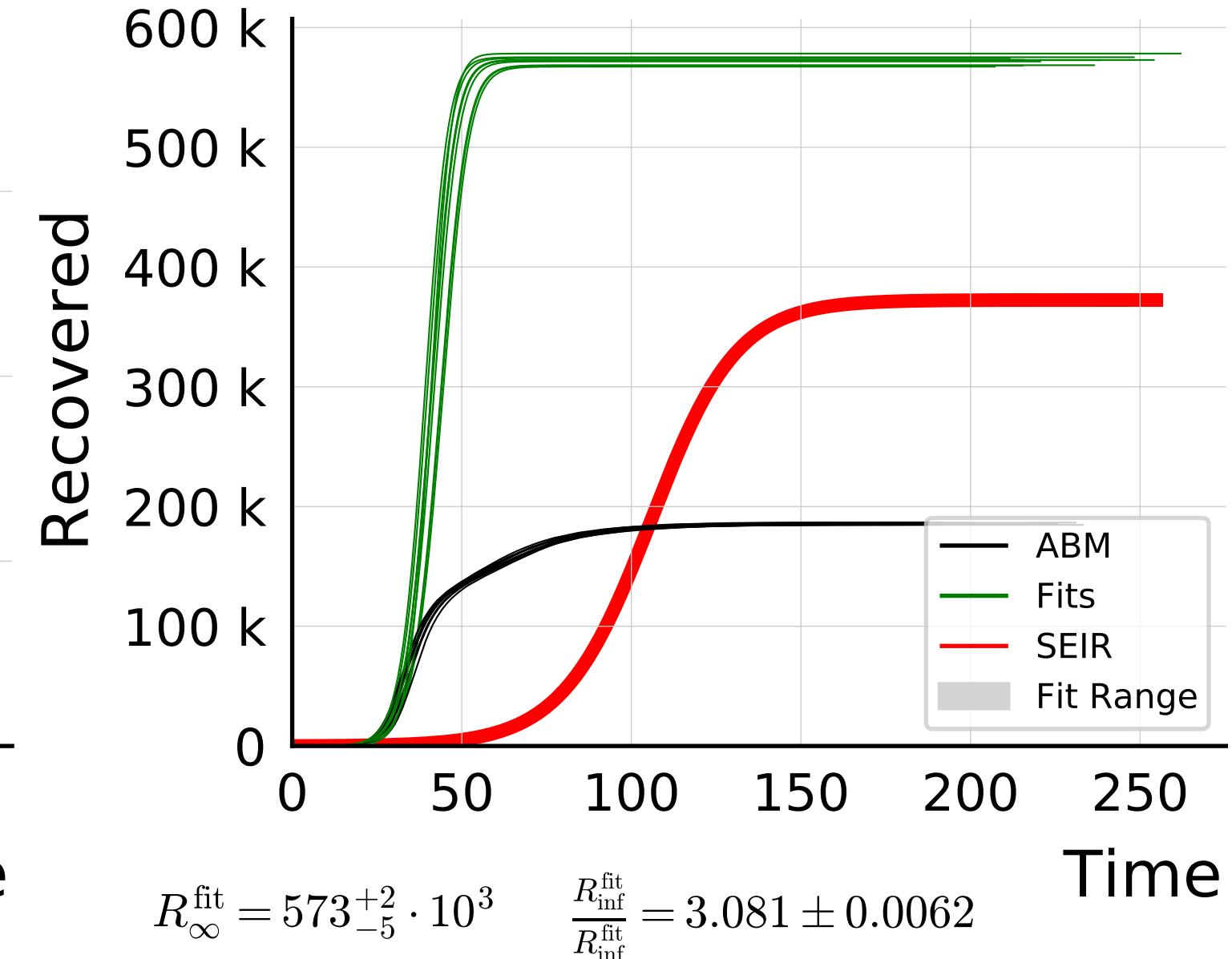
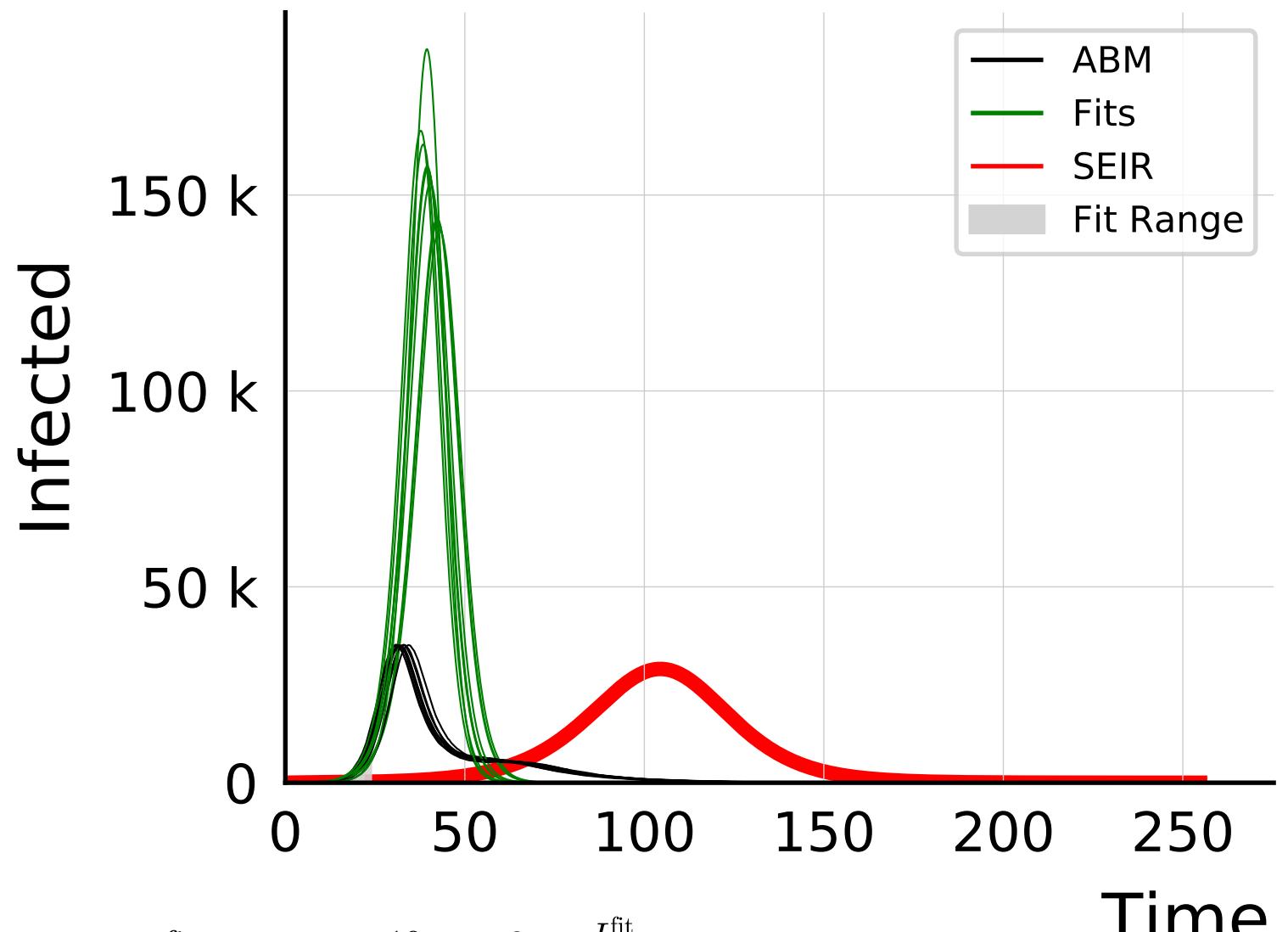


$$I_{\max}^{\text{fit}} = 103_{-20}^{+2} \cdot 10^3 \quad \frac{I_{\max}^{\text{fit}}}{I_{\max}^{\text{ABM}}} = 5 \pm 0.22$$

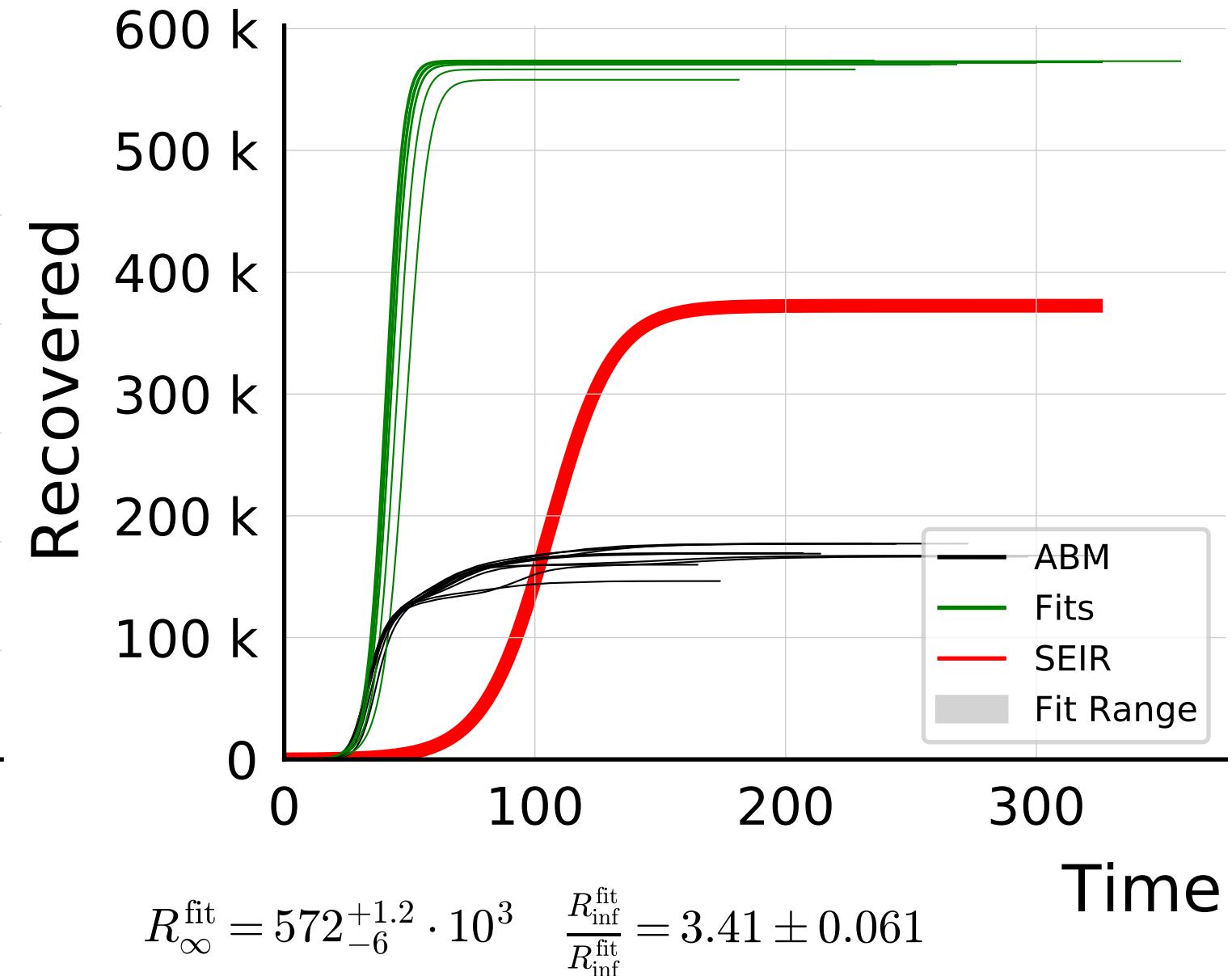
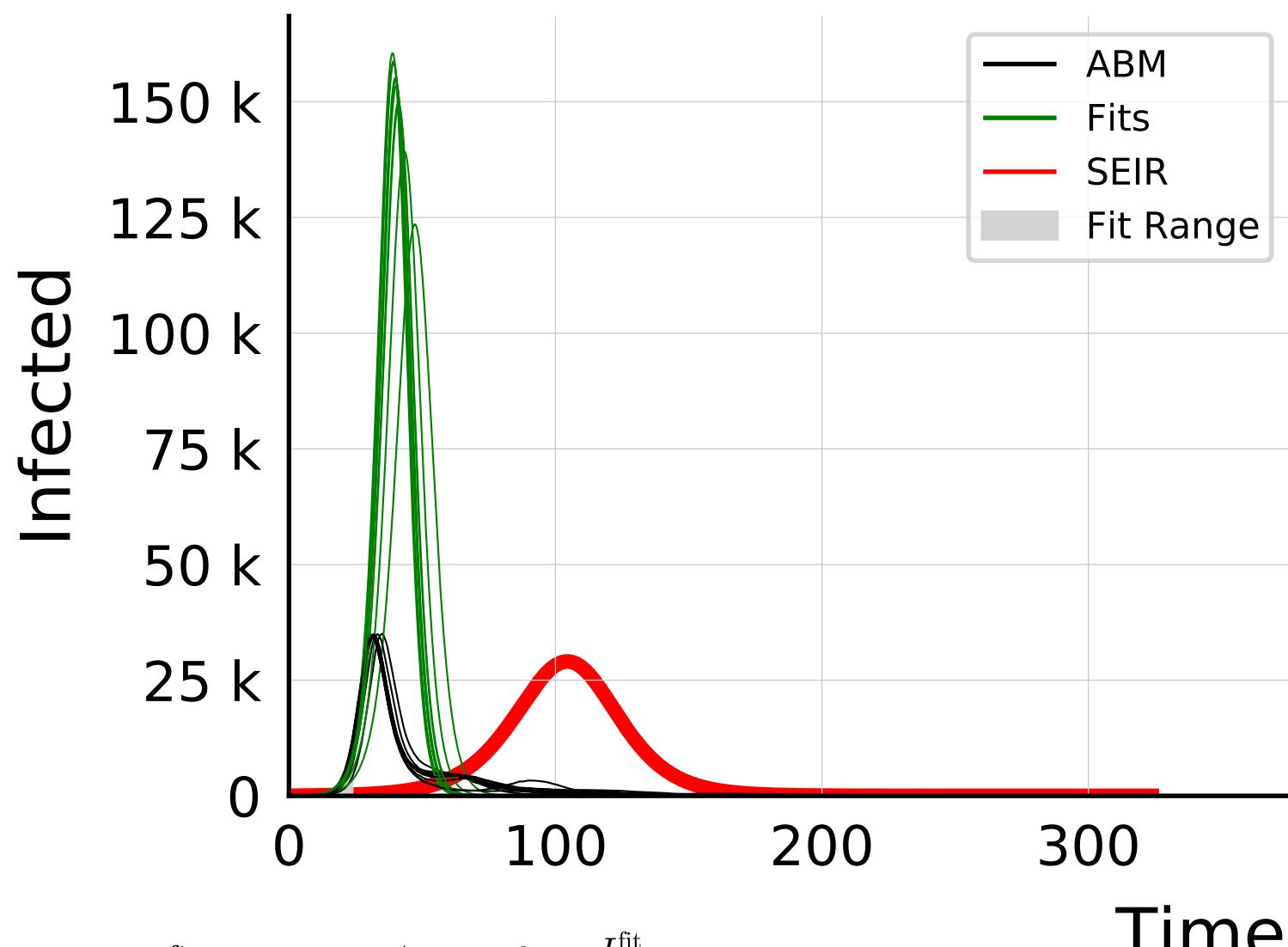


$$R_{\infty}^{\text{fit}} = 541_{-30}^{+2} \cdot 10^3 \quad \frac{R_{\infty}^{\text{fit}}}{R_{\text{inf}}^{\text{fit}}} = 4.66 \pm 0.048$$

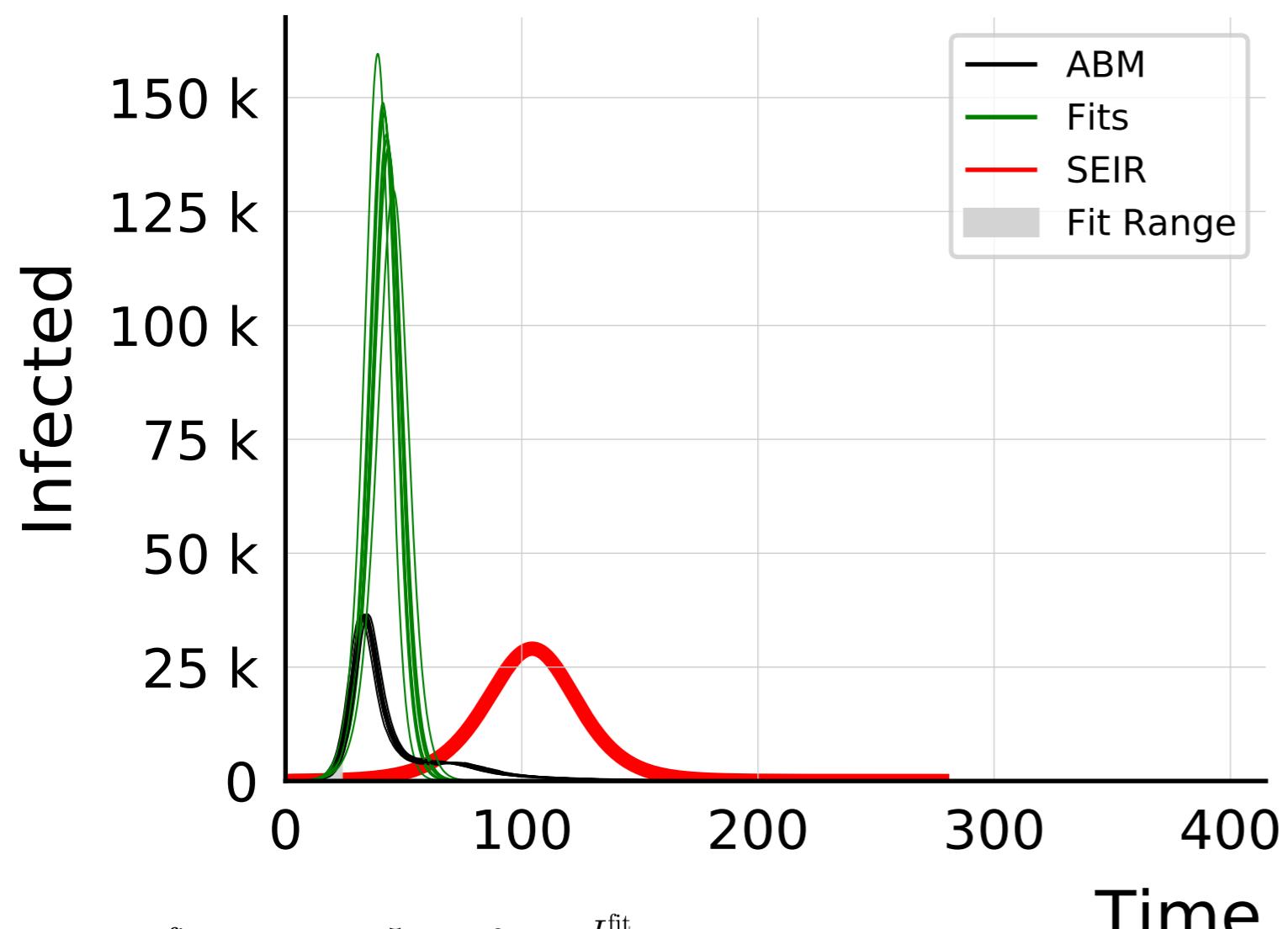
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.25$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, #10



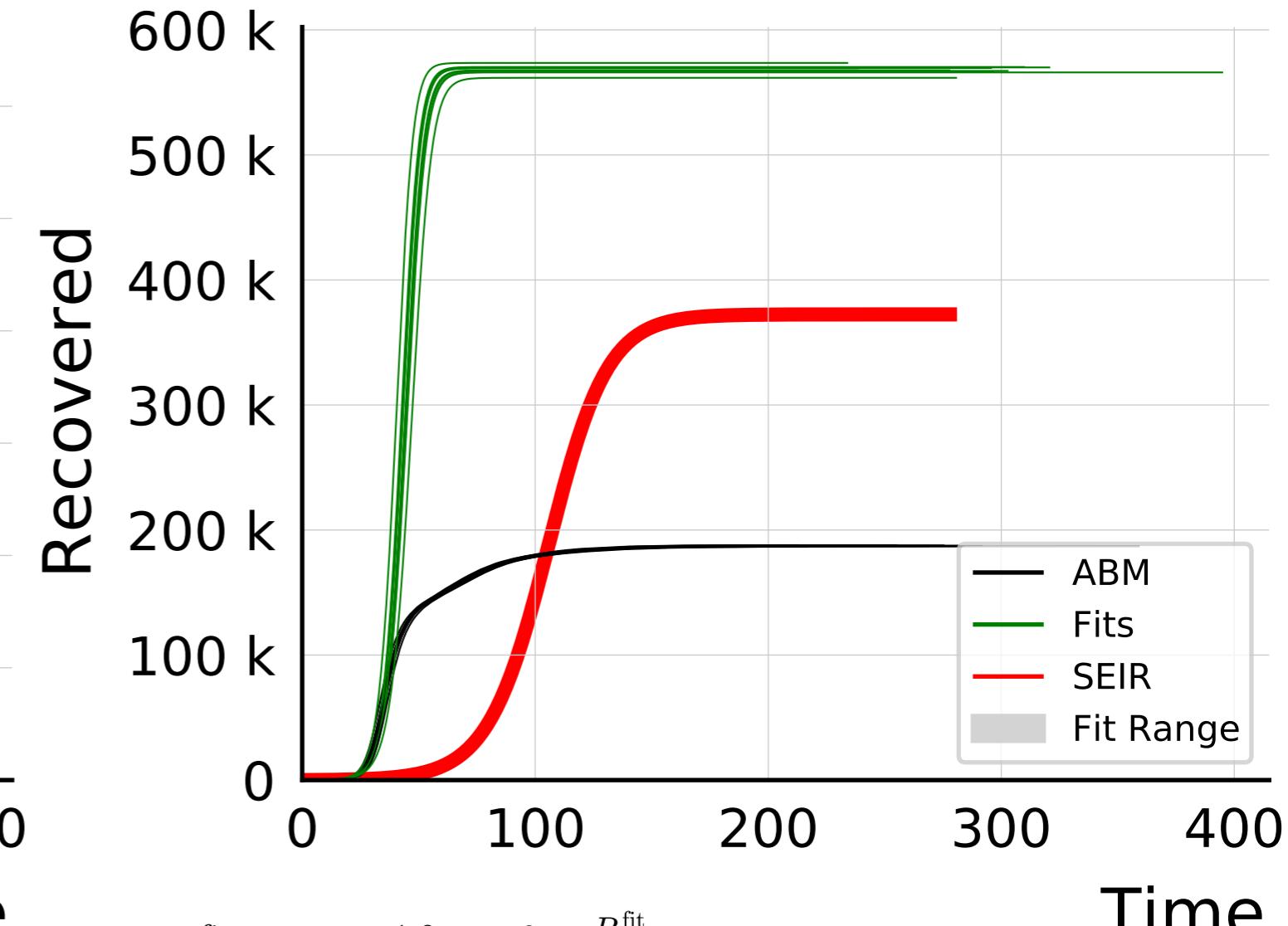
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.25$, $\epsilon_\rho = 0.0$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, #10



$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.2$, $\epsilon_\rho = 0.02$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, #10

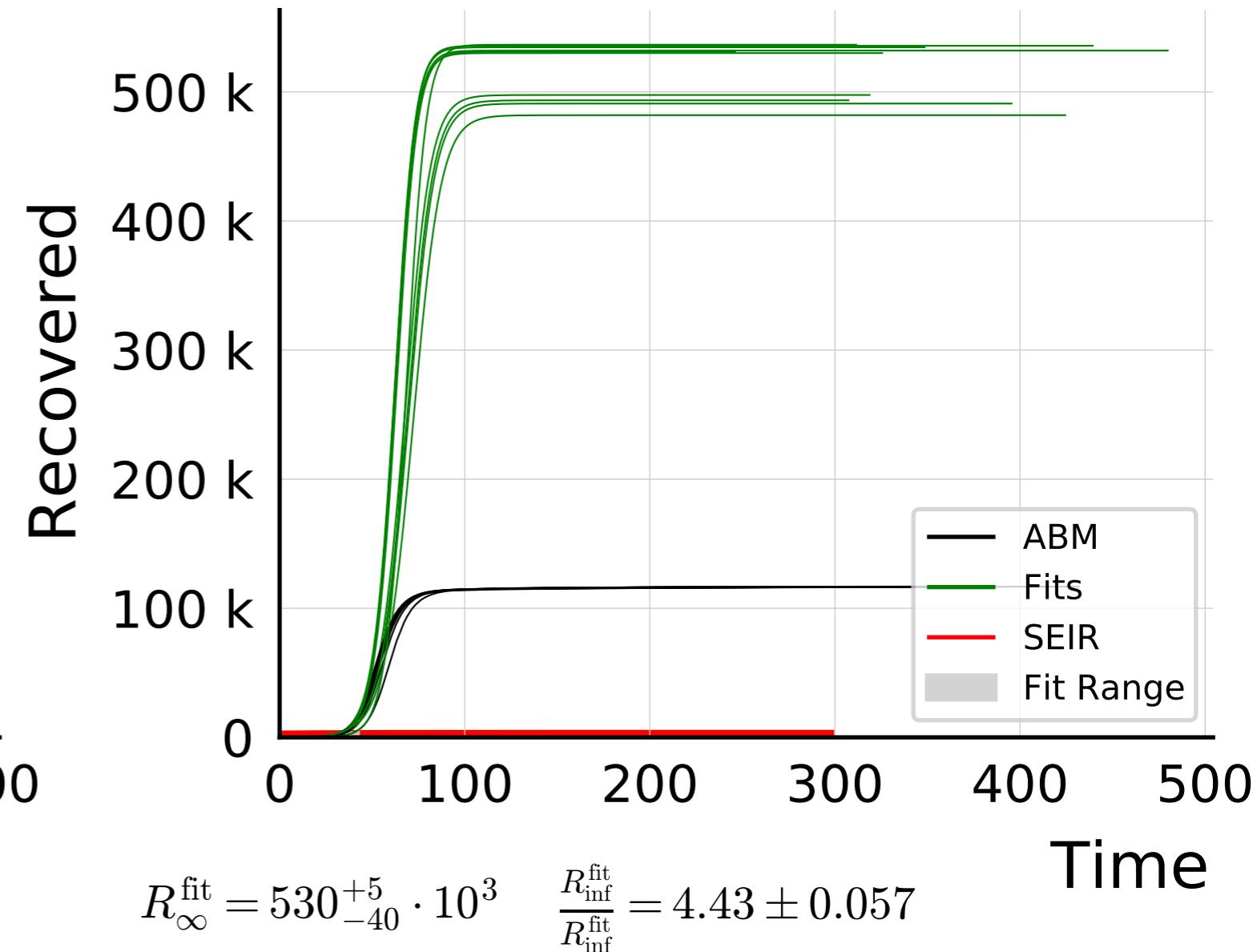
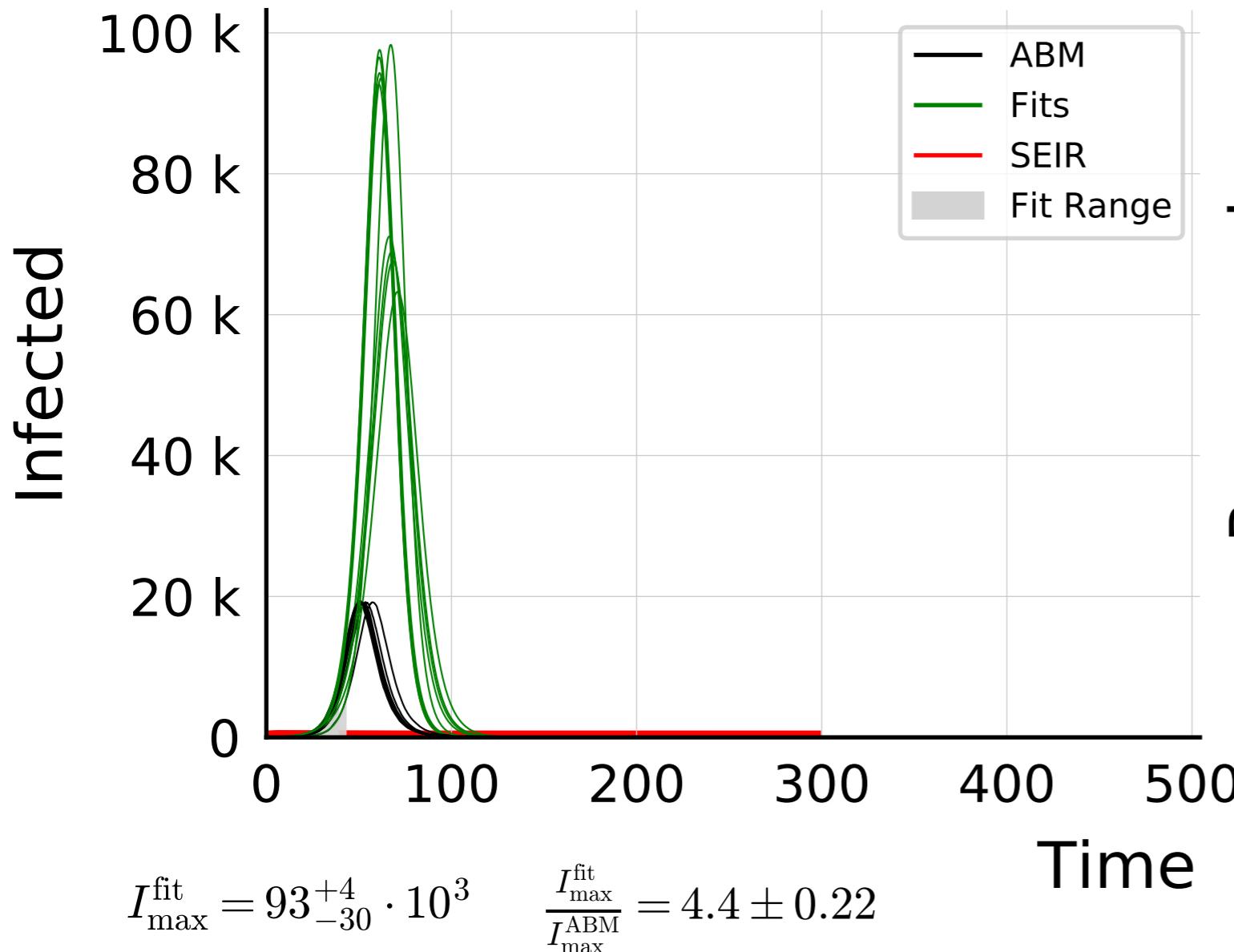


$$I_{\max}^{\text{fit}} = 144^{+5}_{-6} \cdot 10^3 \quad \frac{I_{\max}^{\text{fit}}}{I_{\max}^{\text{ABM}}} = 3.94 \pm 0.066$$

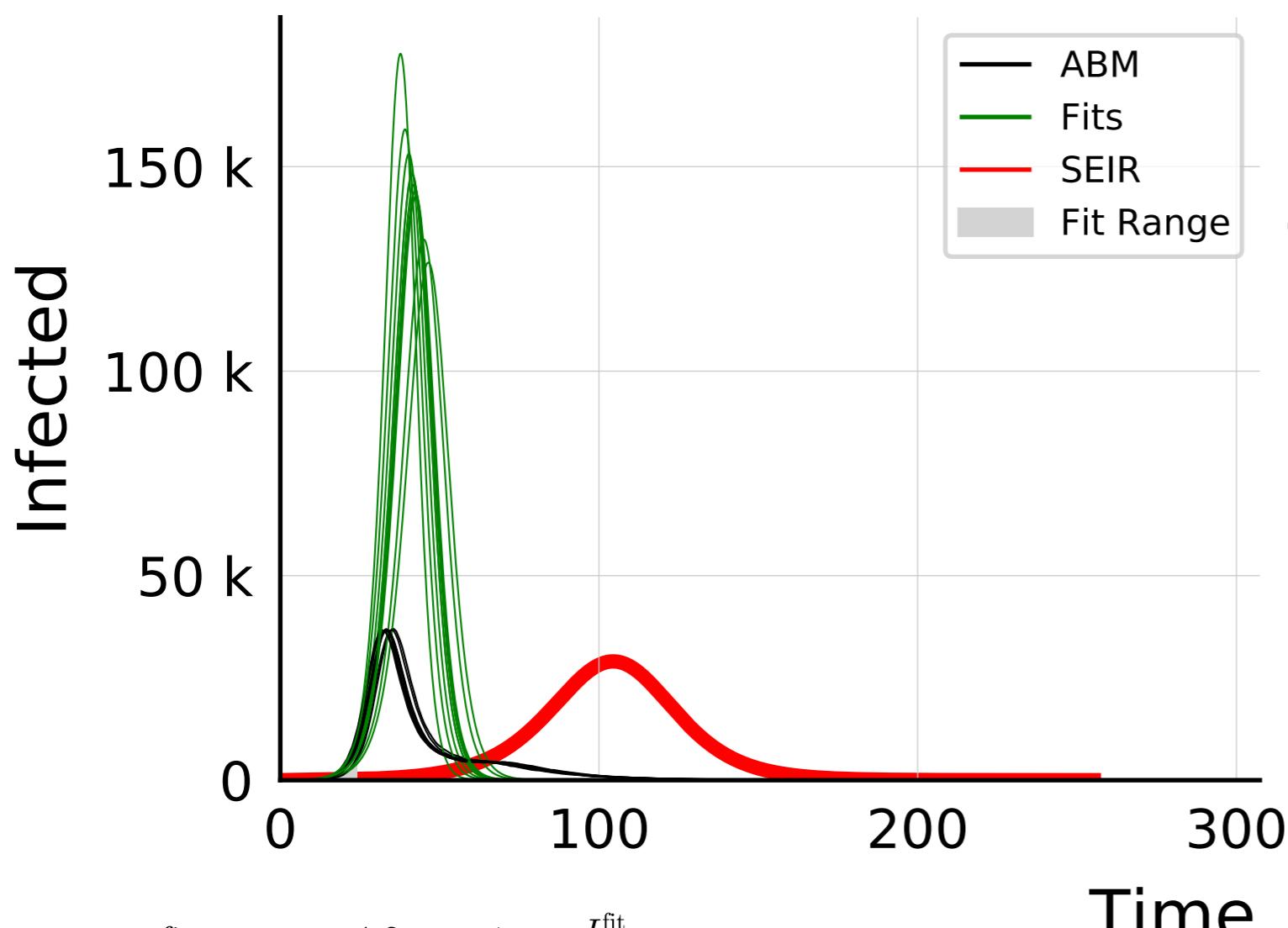


$$R_{\infty}^{\text{fit}} = 568^{+1.8}_{-2} \cdot 10^3 \quad \frac{R_{\infty}^{\text{fit}}}{R_{\text{inf}}^{\text{fit}}} = 3.032 \pm 0.0057$$

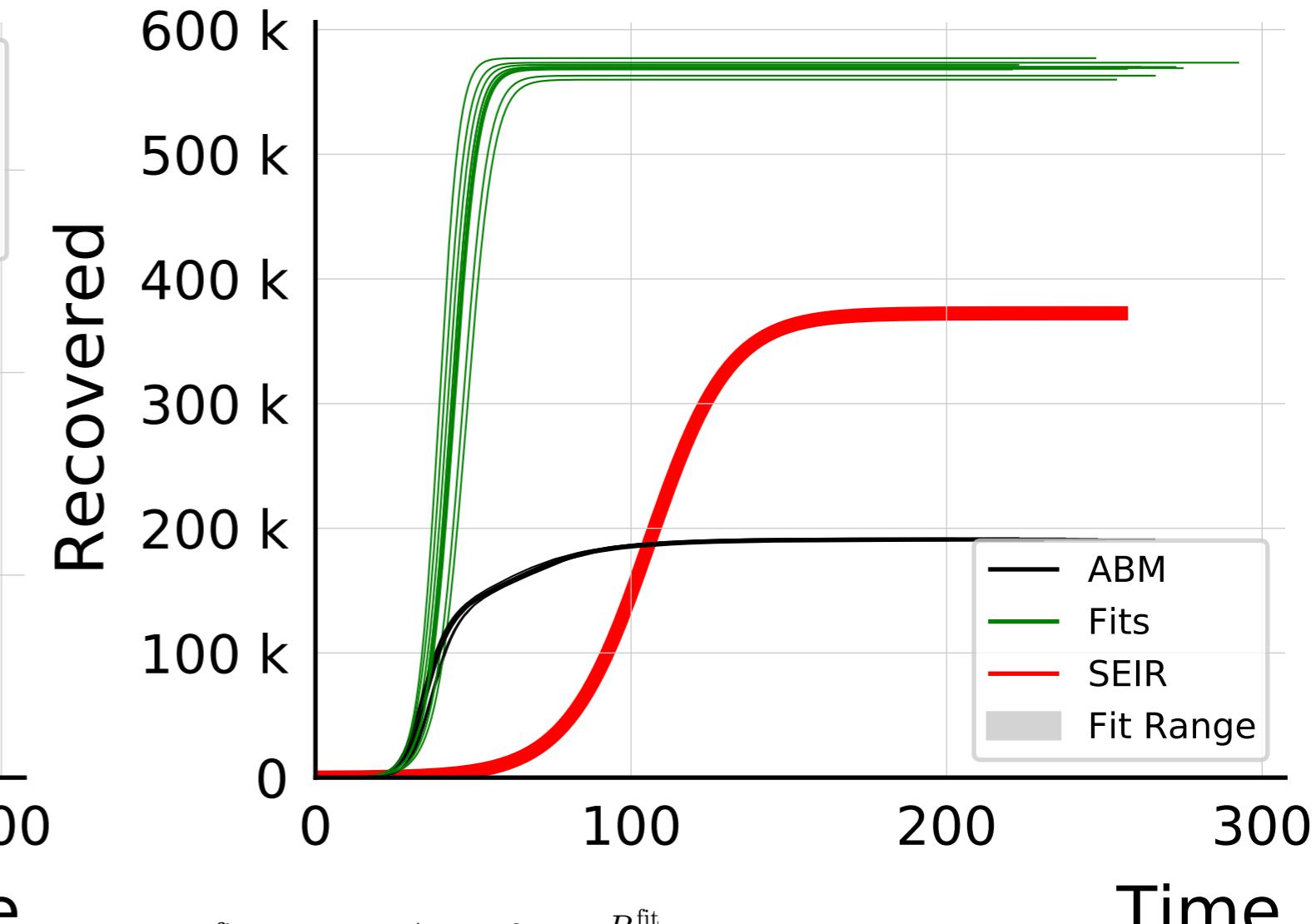
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.2$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.005$, $\sigma_\beta = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, #10



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

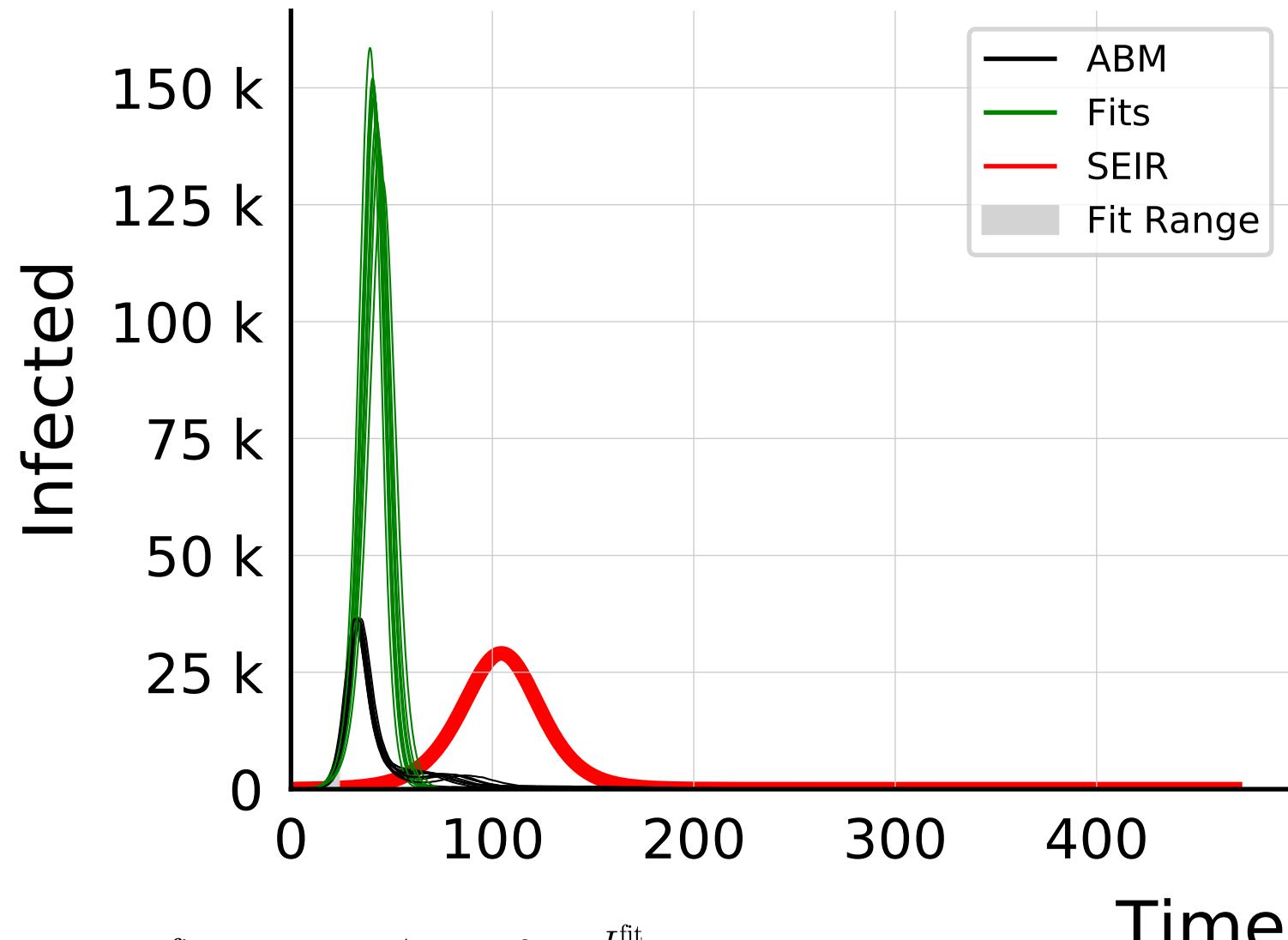


$$I_{\max}^{\text{fit}} = 15^{+1.2}_{-1.5} \cdot 10^4 \quad \frac{I_{\max}^{\text{fit}}}{I_{\max}^{\text{ABM}}} = 4 \pm 0.12$$

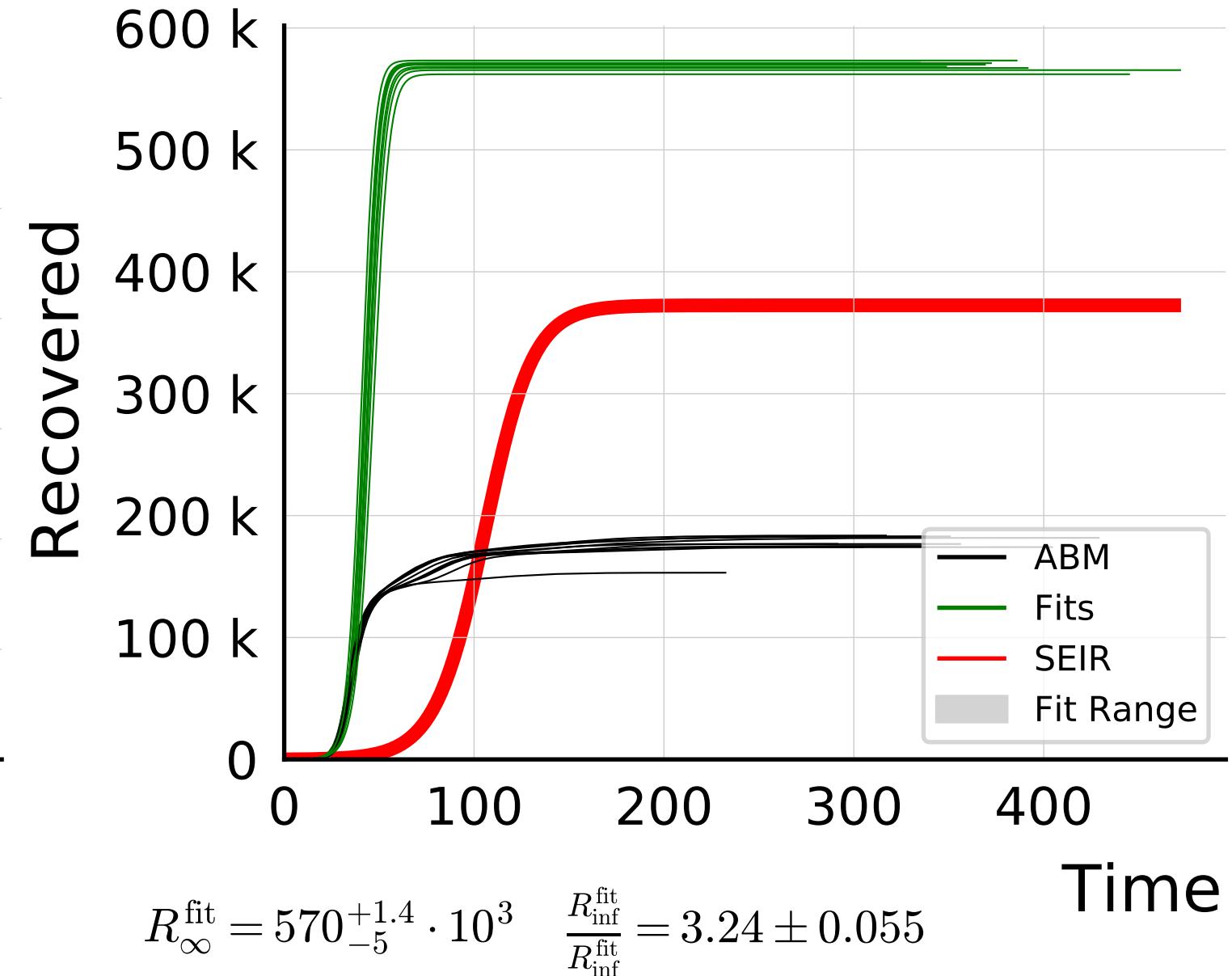


$$R_{\infty}^{\text{fit}} = 570^{+4}_{-6} \cdot 10^3 \quad \frac{R_{\infty}^{\text{fit}}}{R_{\text{inf}}^{\text{fit}}} = 2.976 \pm 0.0061$$

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

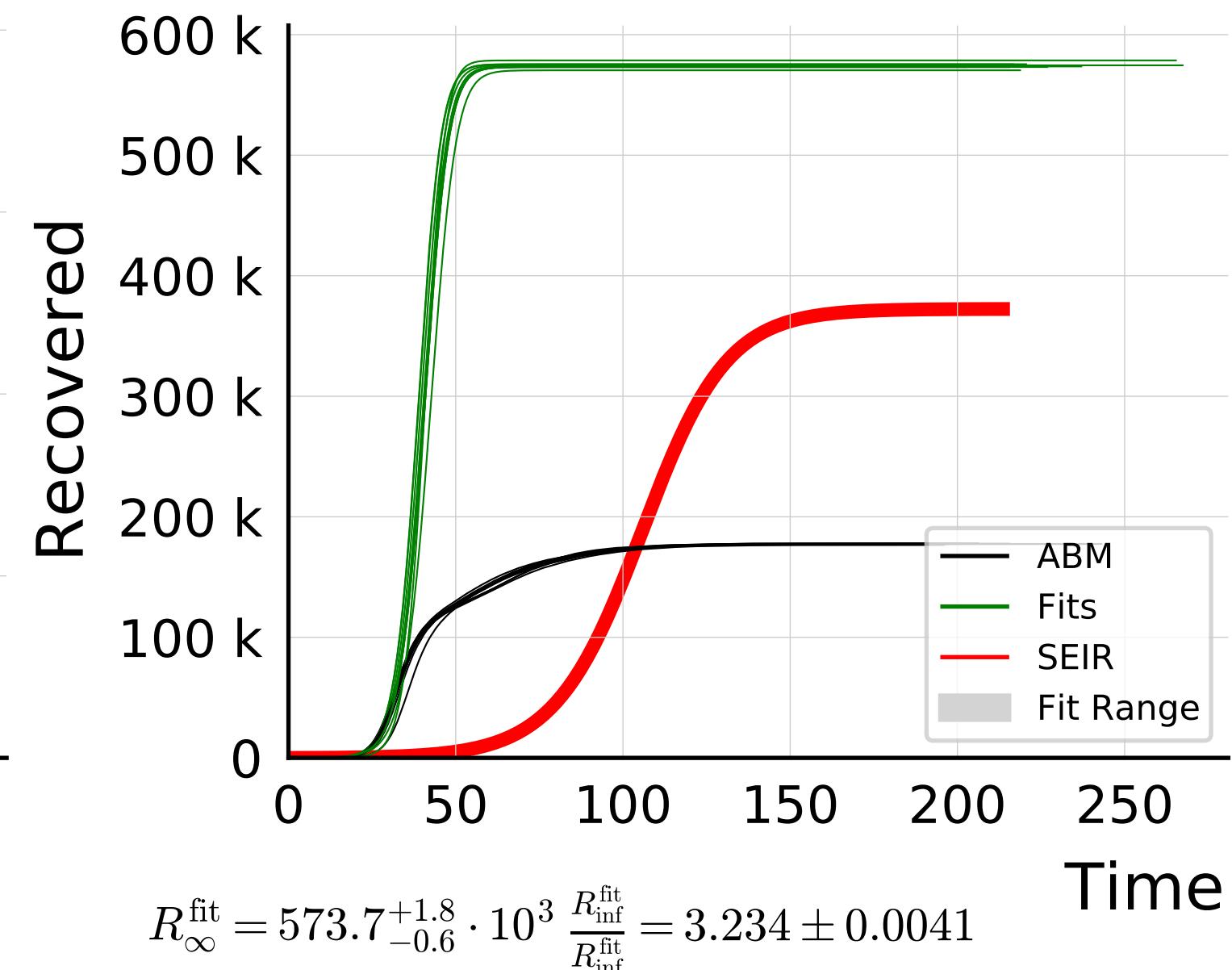
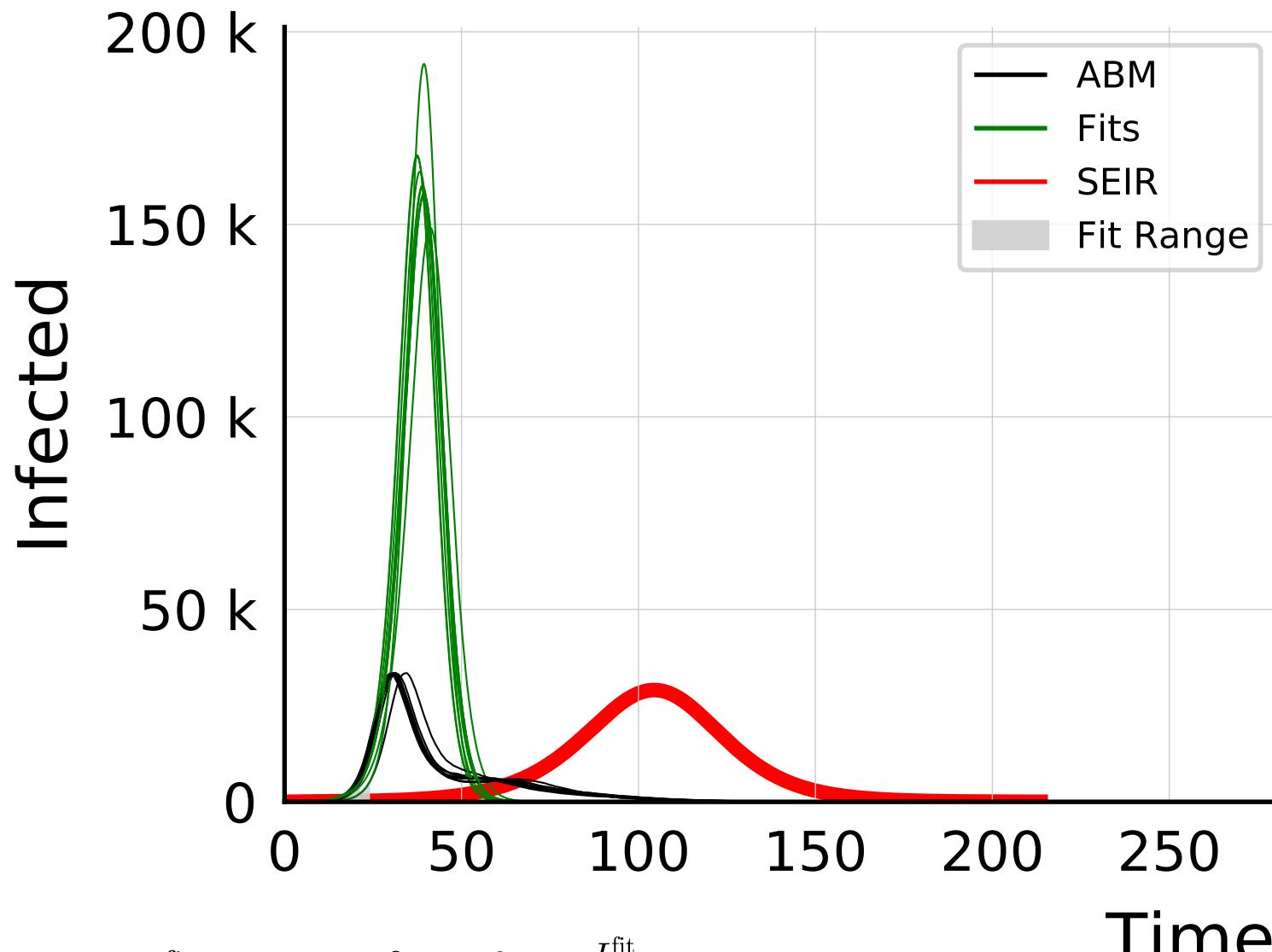


$$I_{\max}^{\text{fit}} = 148_{-11}^{+4} \cdot 10^3 \quad \frac{I_{\max}^{\text{fit}}}{I_{\max}^{\text{ABM}}} = 4 \pm 0.067$$

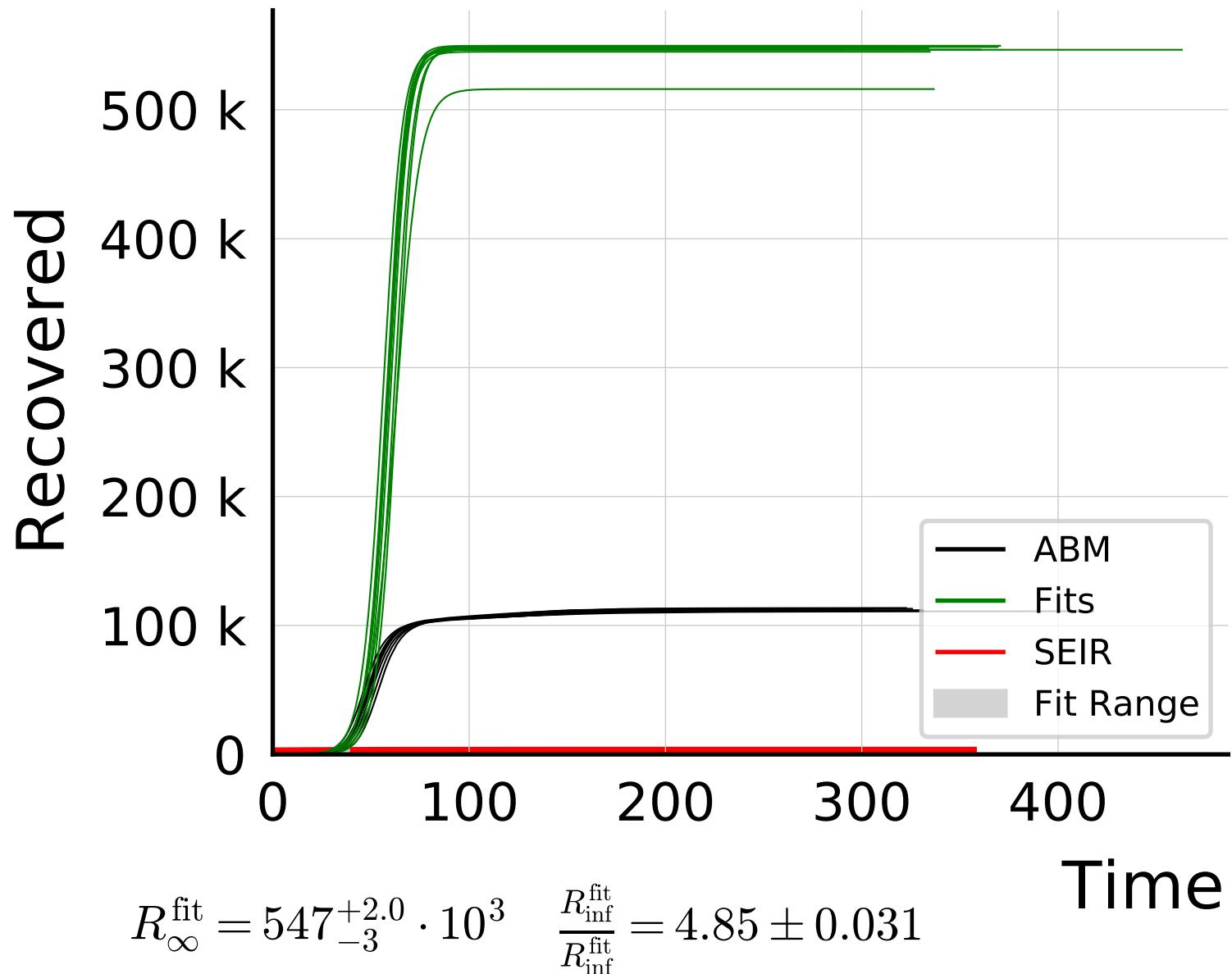
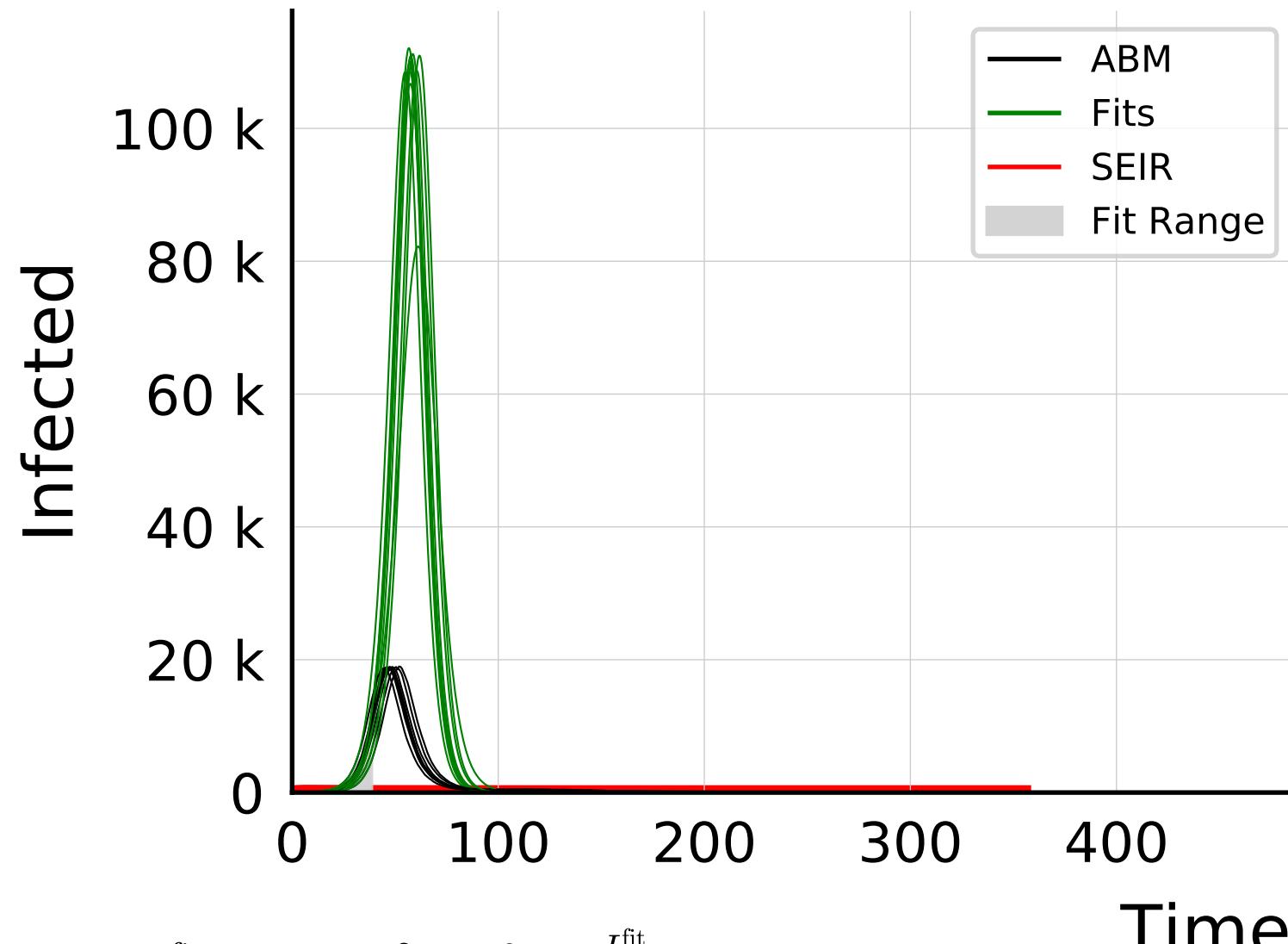


$$R_{\infty}^{\text{fit}} = 570_{-5}^{+1.4} \cdot 10^3 \quad \frac{R_{\infty}^{\text{fit}}}{R_{\text{inf}}^{\text{fit}}} = 3.24 \pm 0.055$$

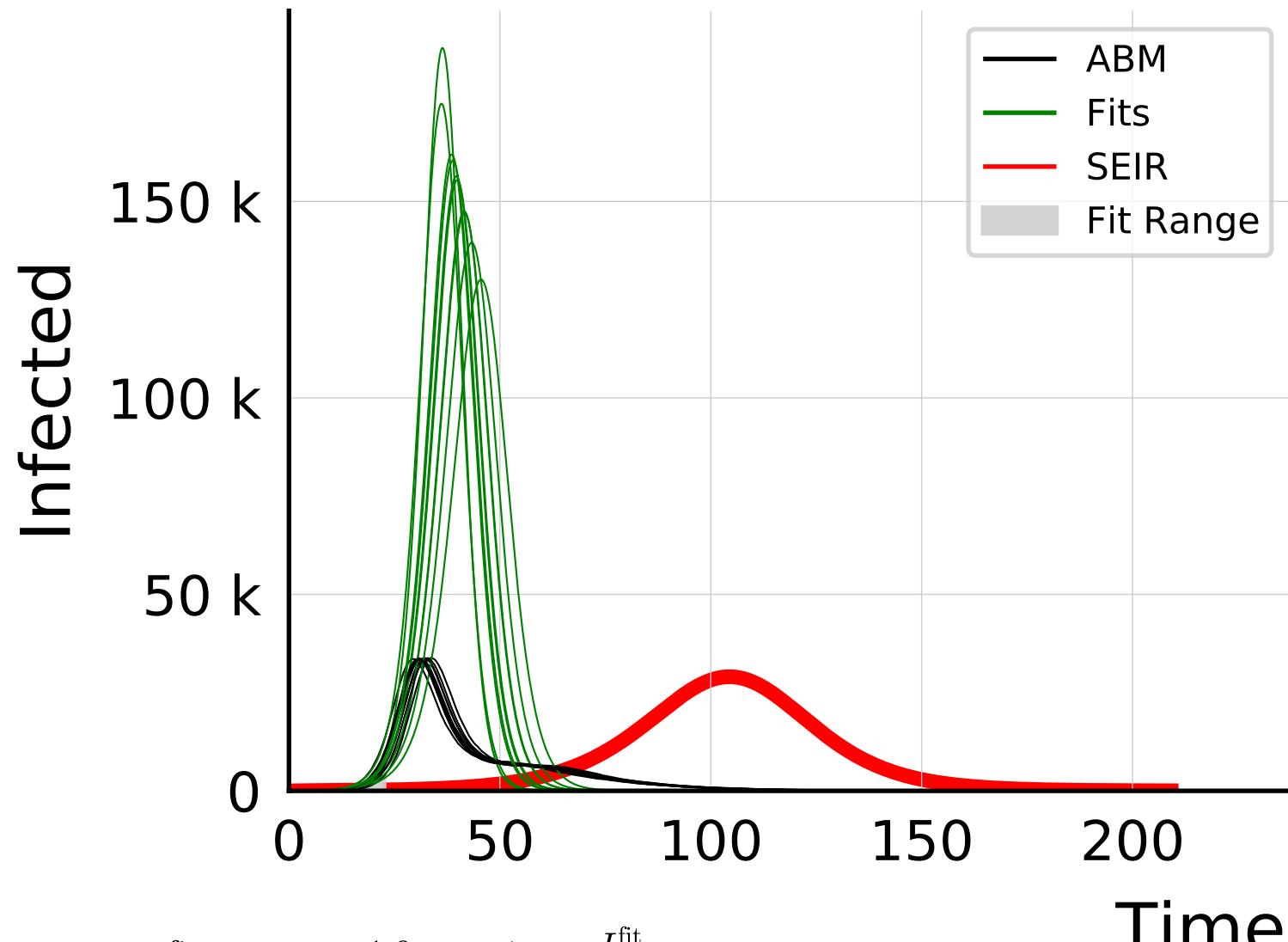
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.3$, $\epsilon_\rho = 0.02$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, #10



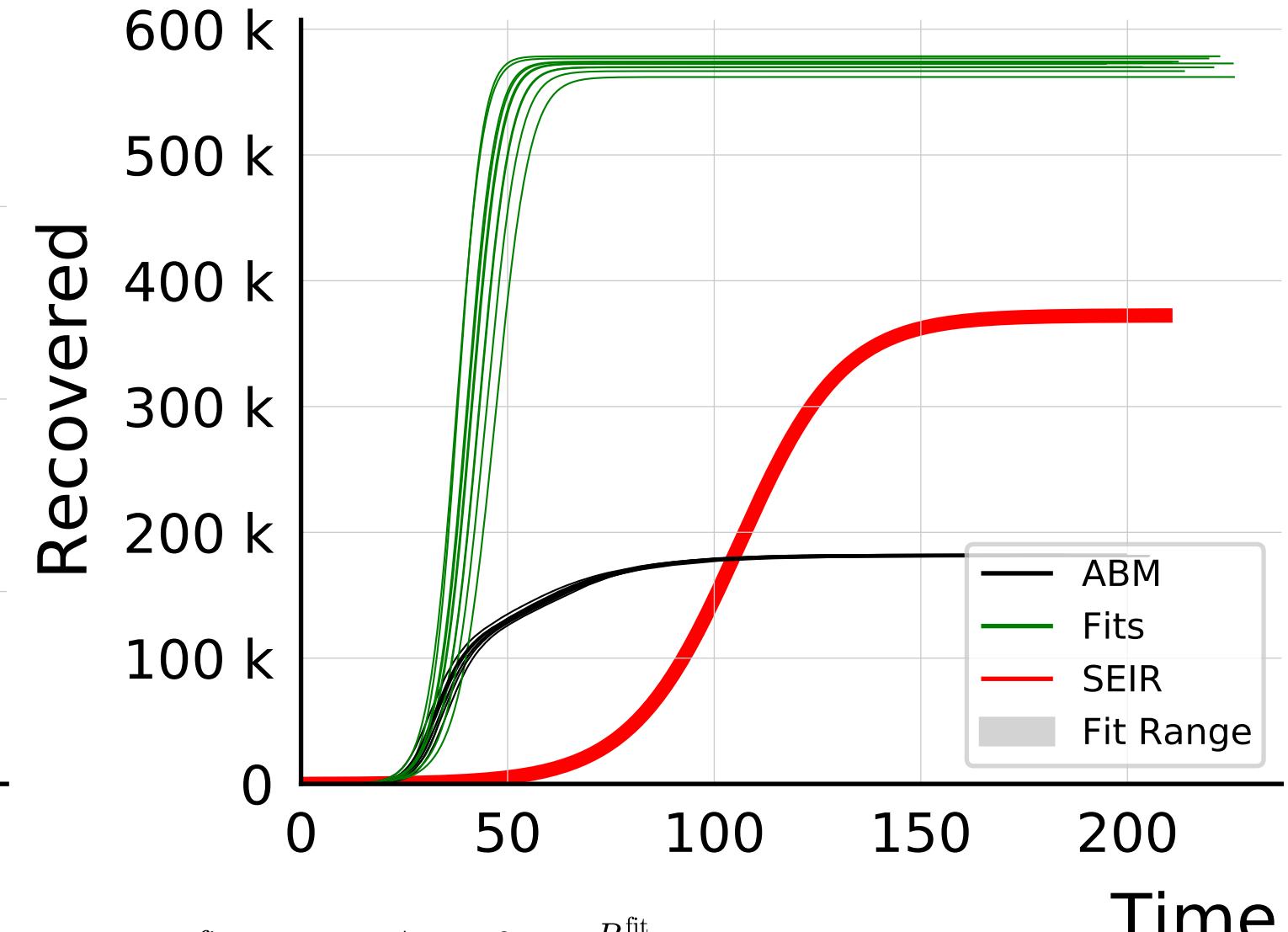
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.3$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.005$, $\sigma_\beta = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, #10



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

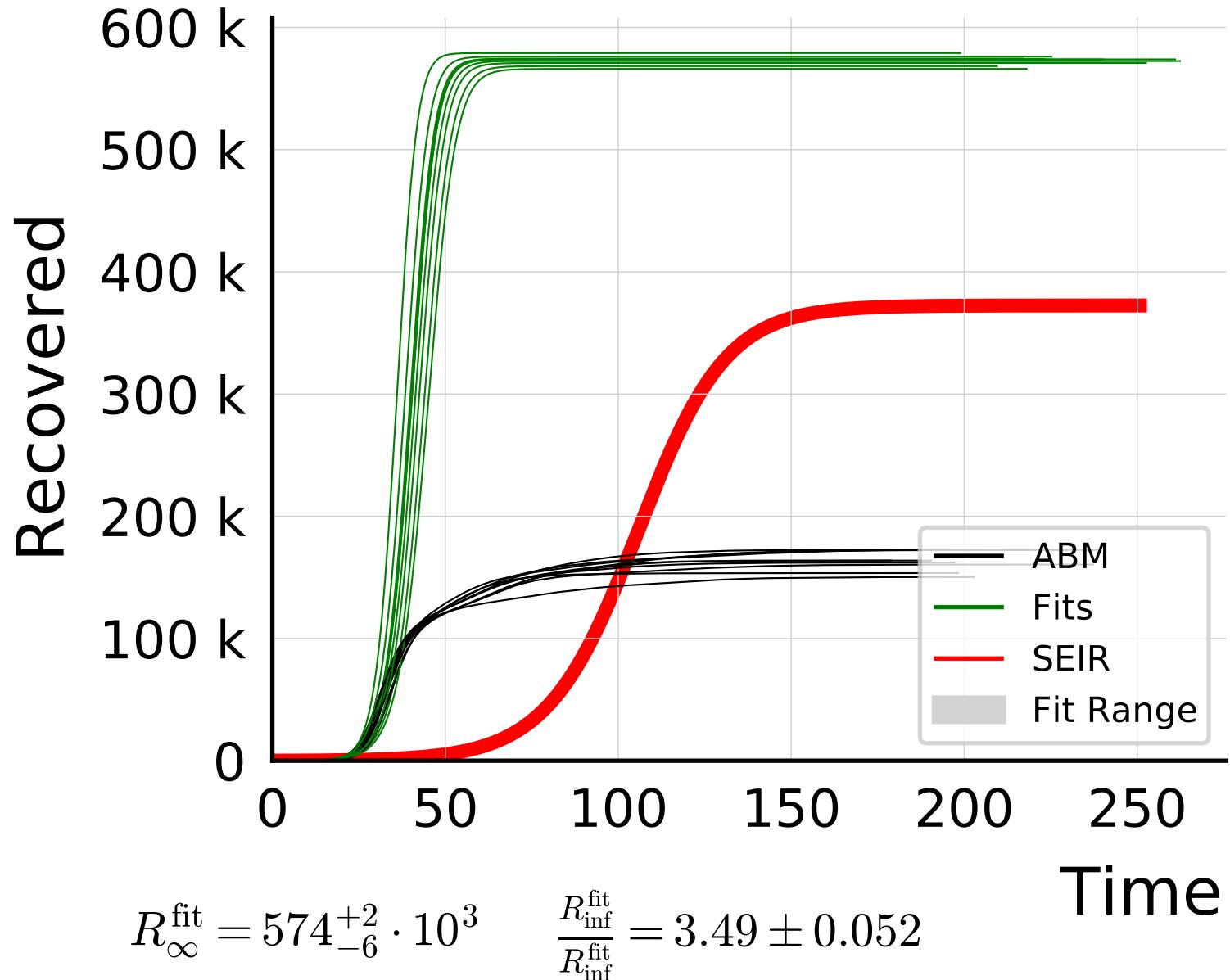
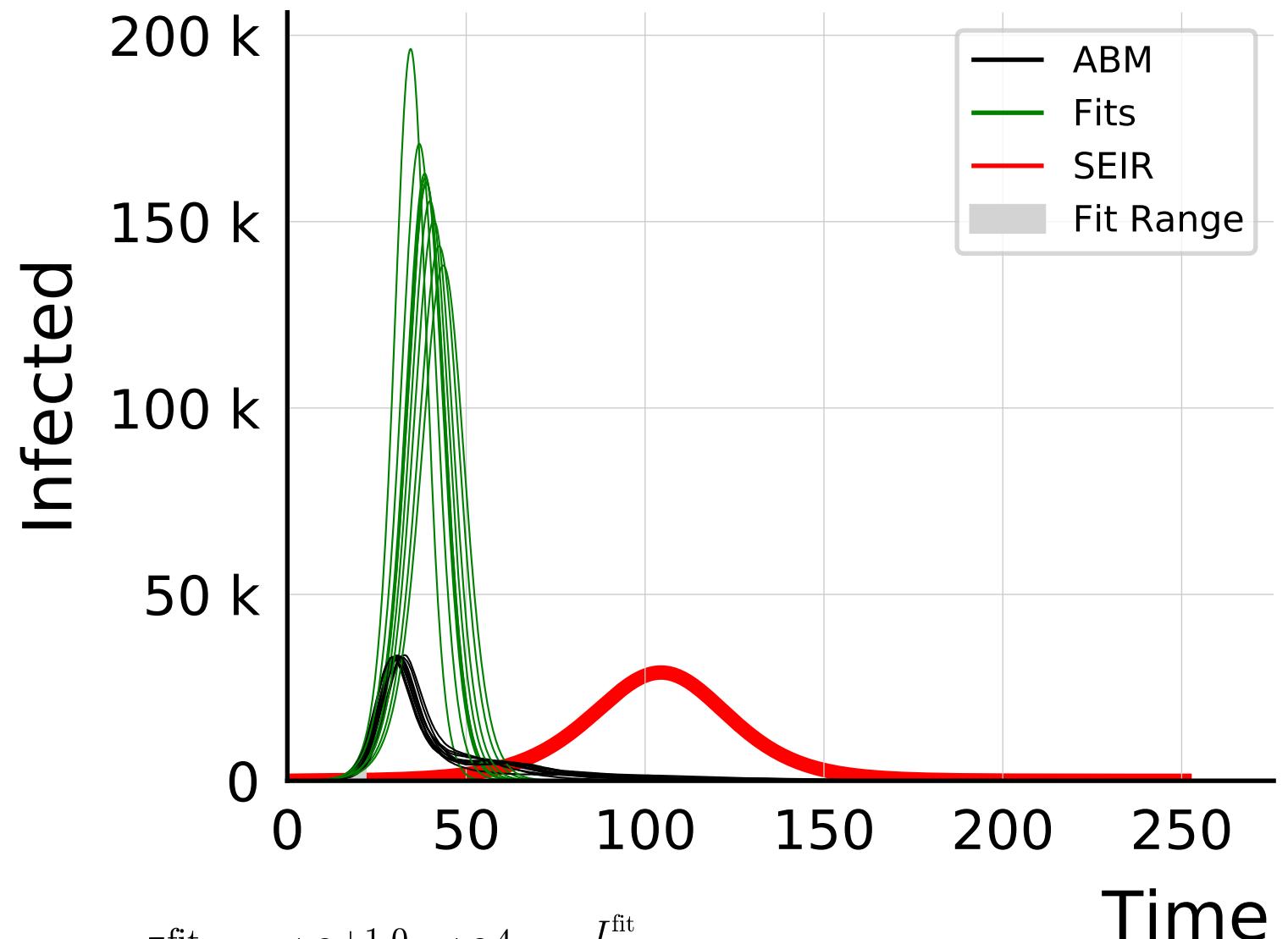


$$I_{\max}^{\text{fit}} = 16_{-1.7}^{+1.9} \cdot 10^4 \quad \frac{I_{\max}^{\text{fit}}}{I_{\max}^{\text{ABM}}} = 4.6 \pm 0.16$$

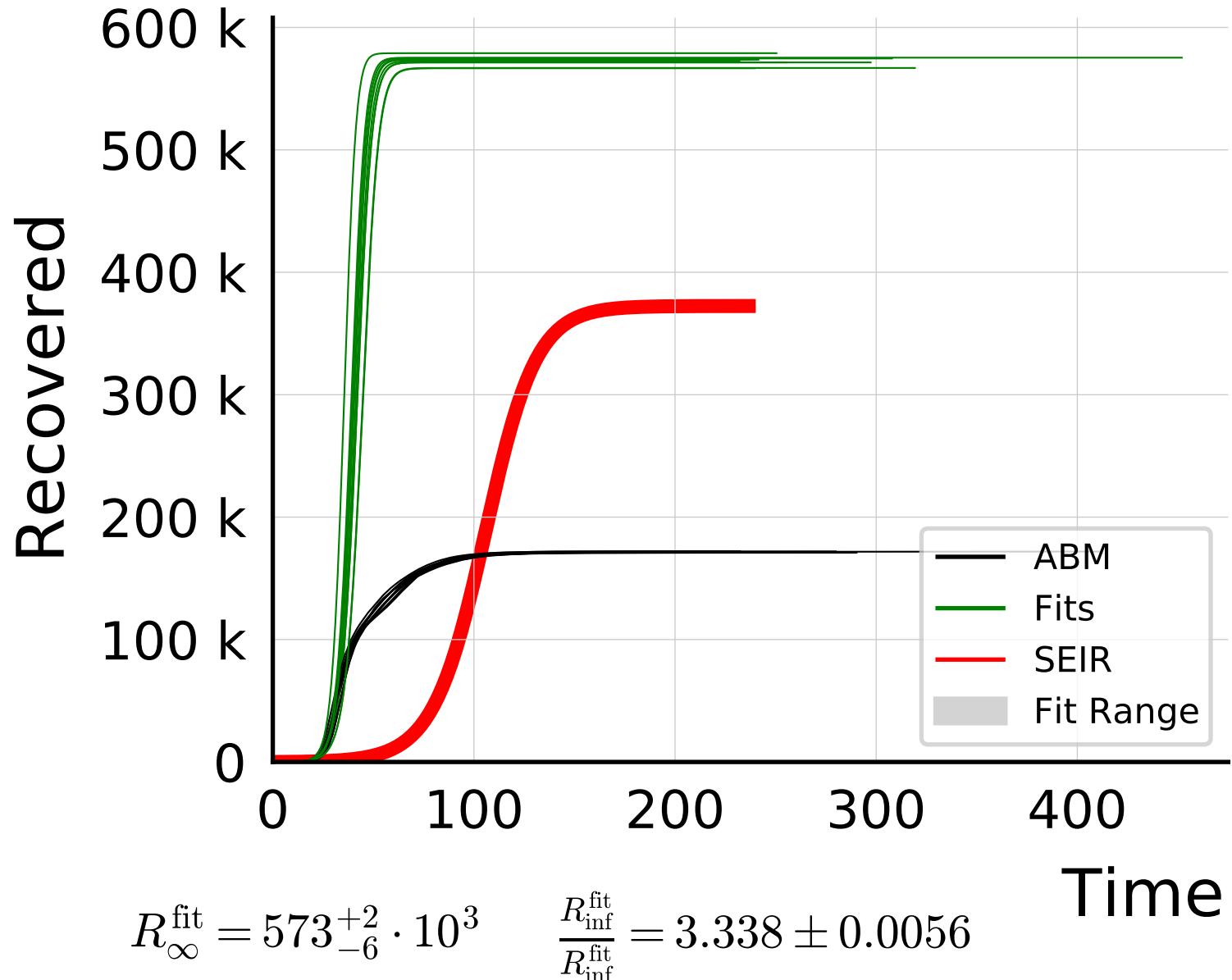
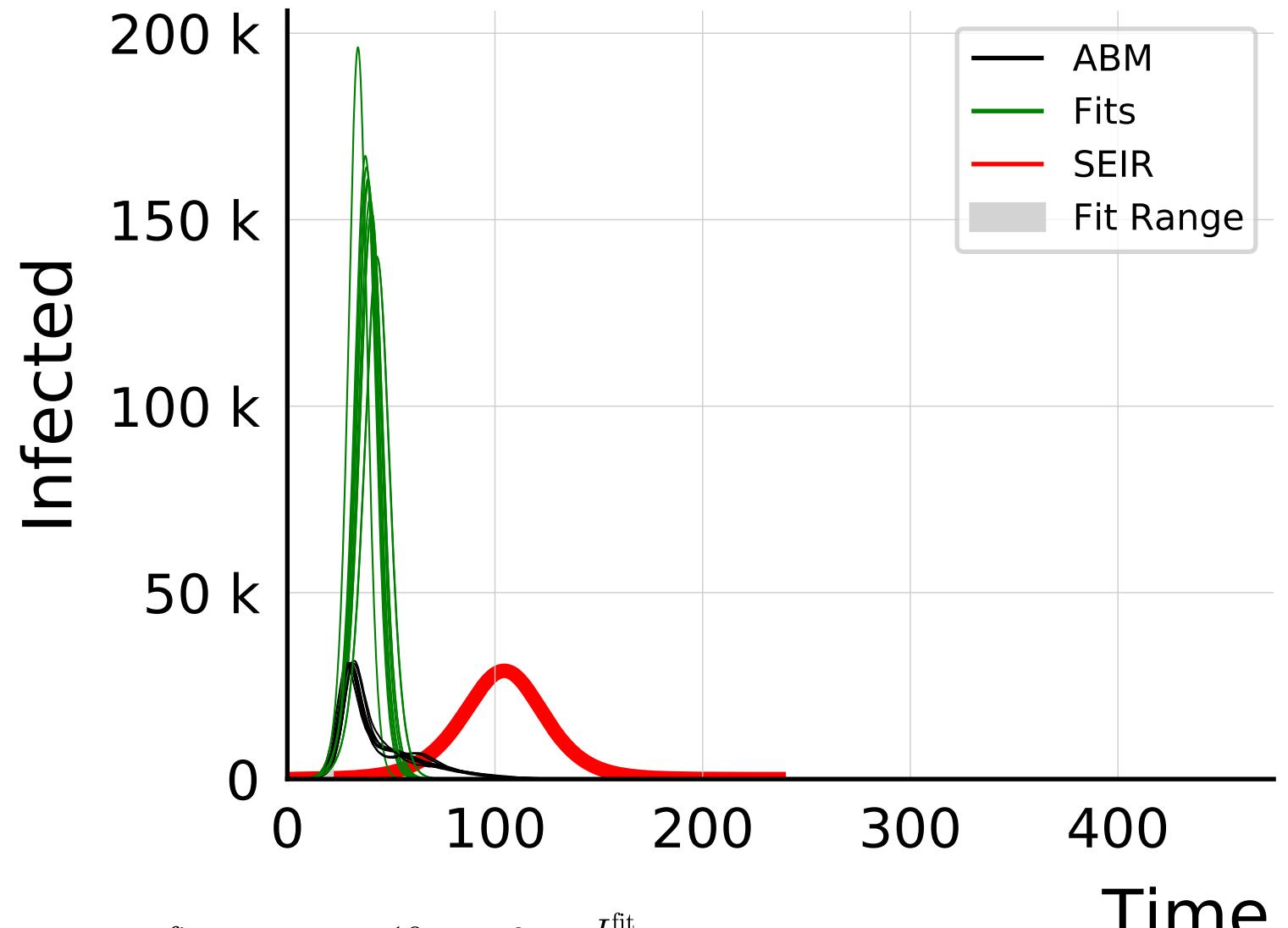


$$R_{\infty}^{\text{fit}} = 573_{-6}^{+4} \cdot 10^3 \quad \frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 3.148 \pm 0.0072$$

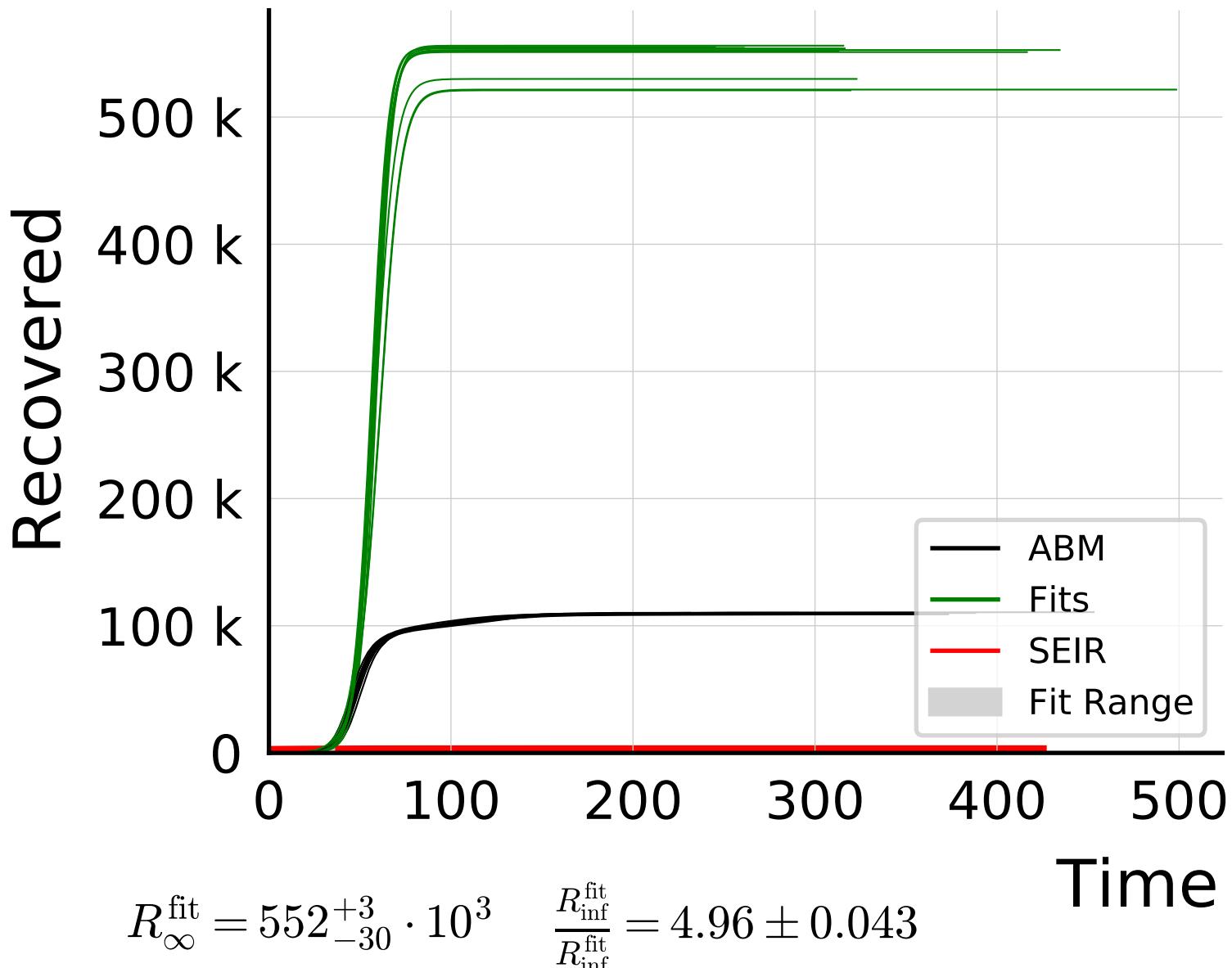
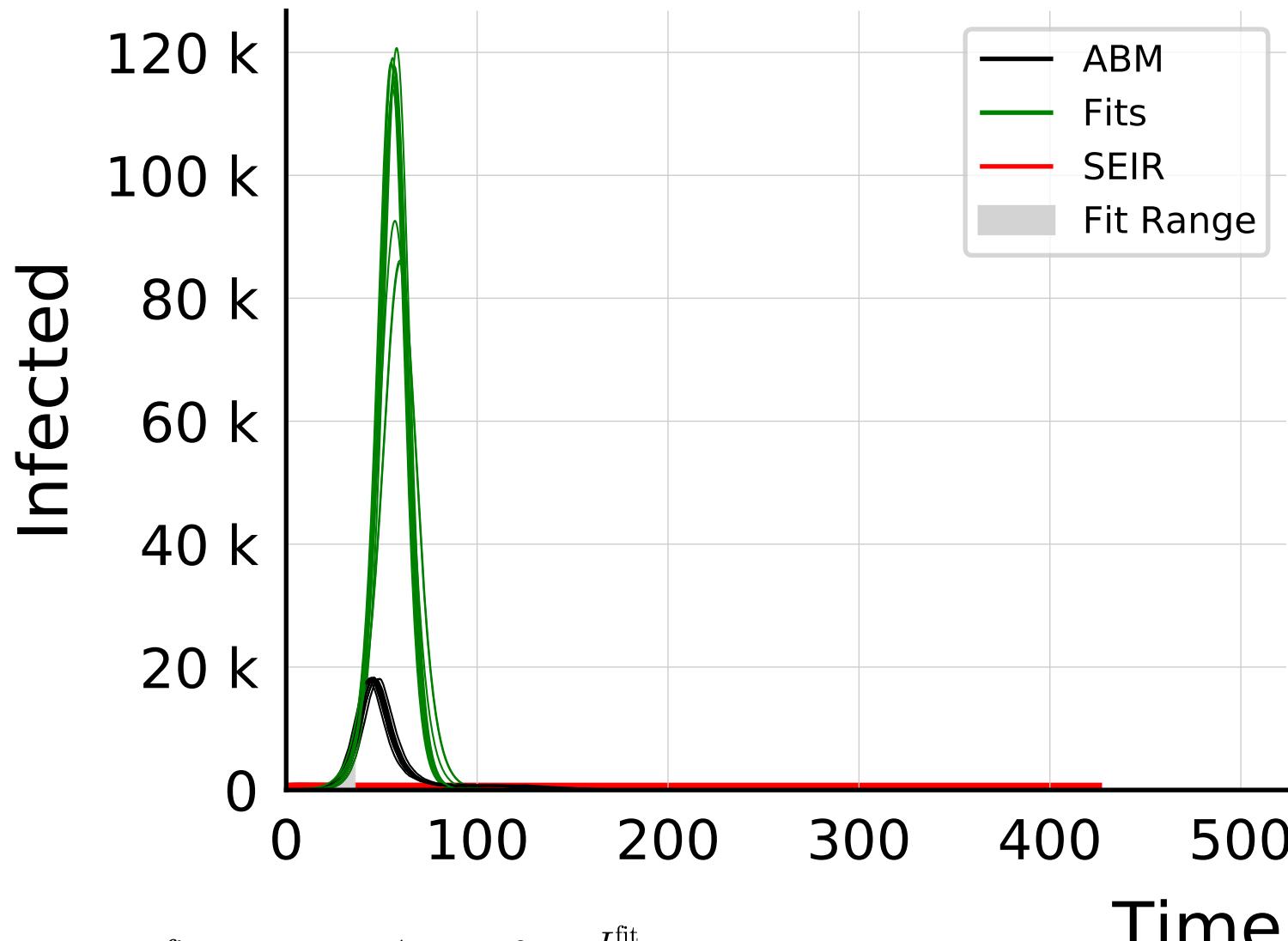
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.3$, $\epsilon_\rho = 0.0$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, #10



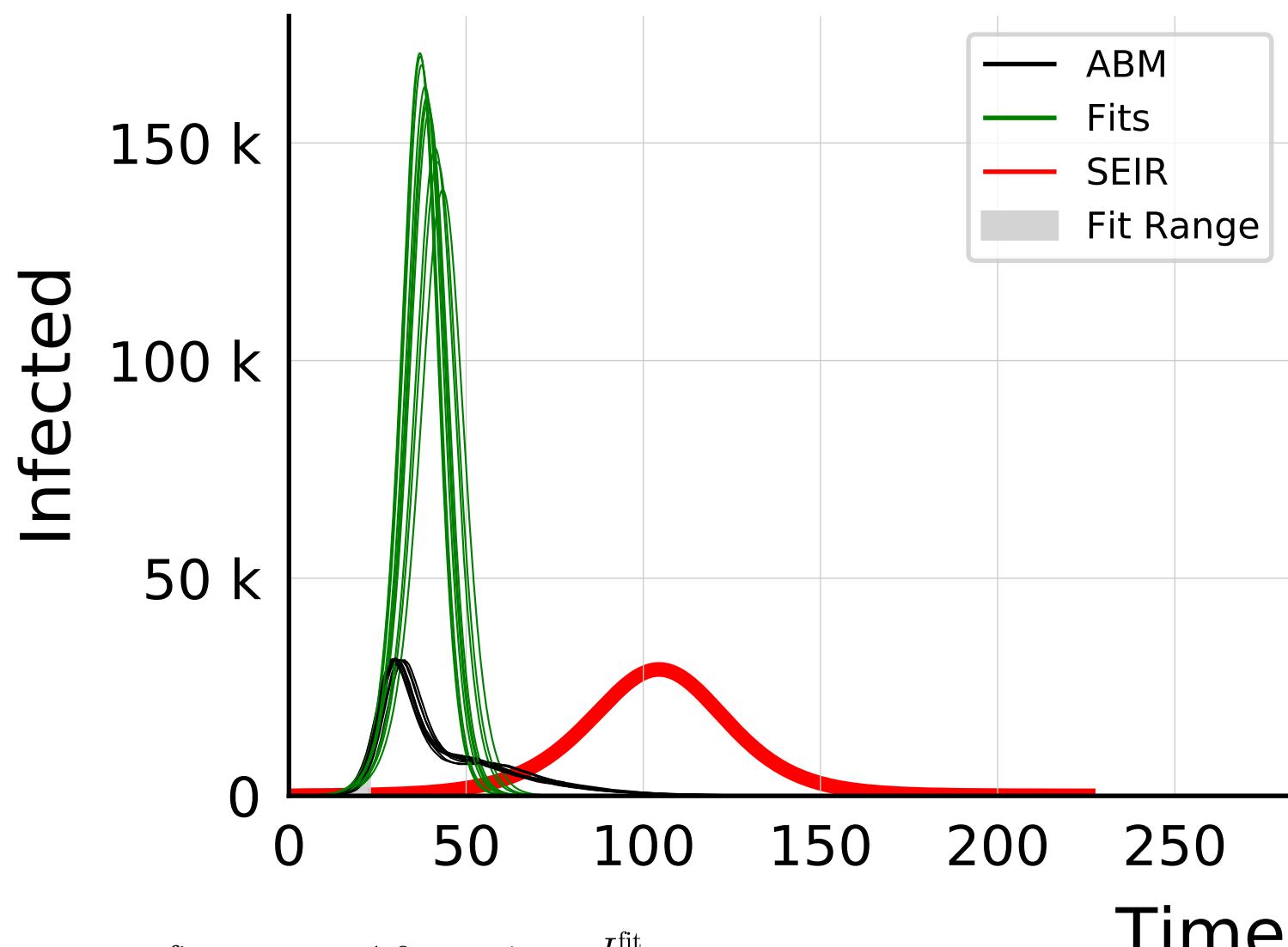
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.4$, $\epsilon_\rho = 0.02$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, #10



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

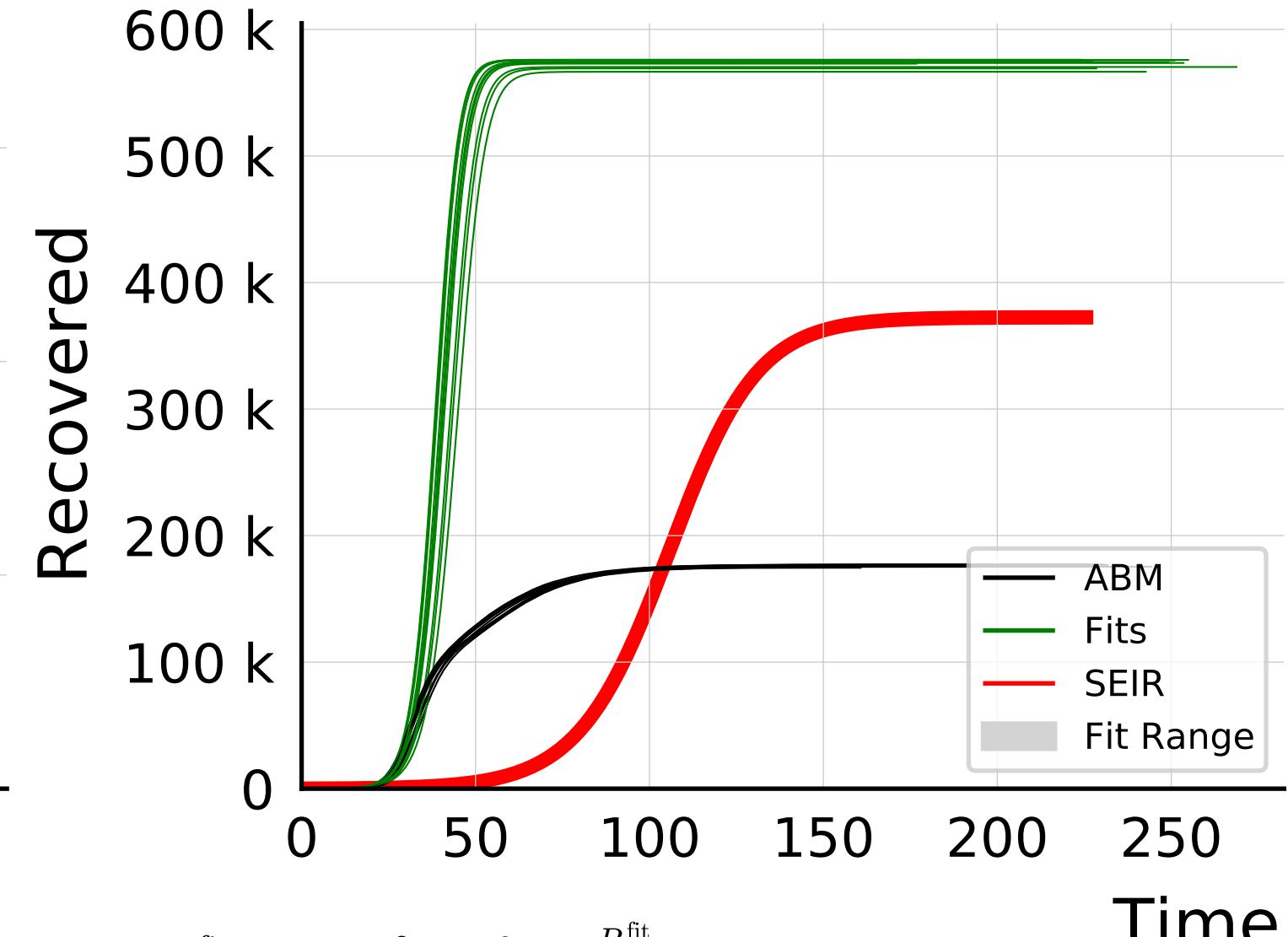


$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.4$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, #10



$$I_{\max}^{\text{fit}} = 16^{+1.0}_{-1.4} \cdot 10^4$$

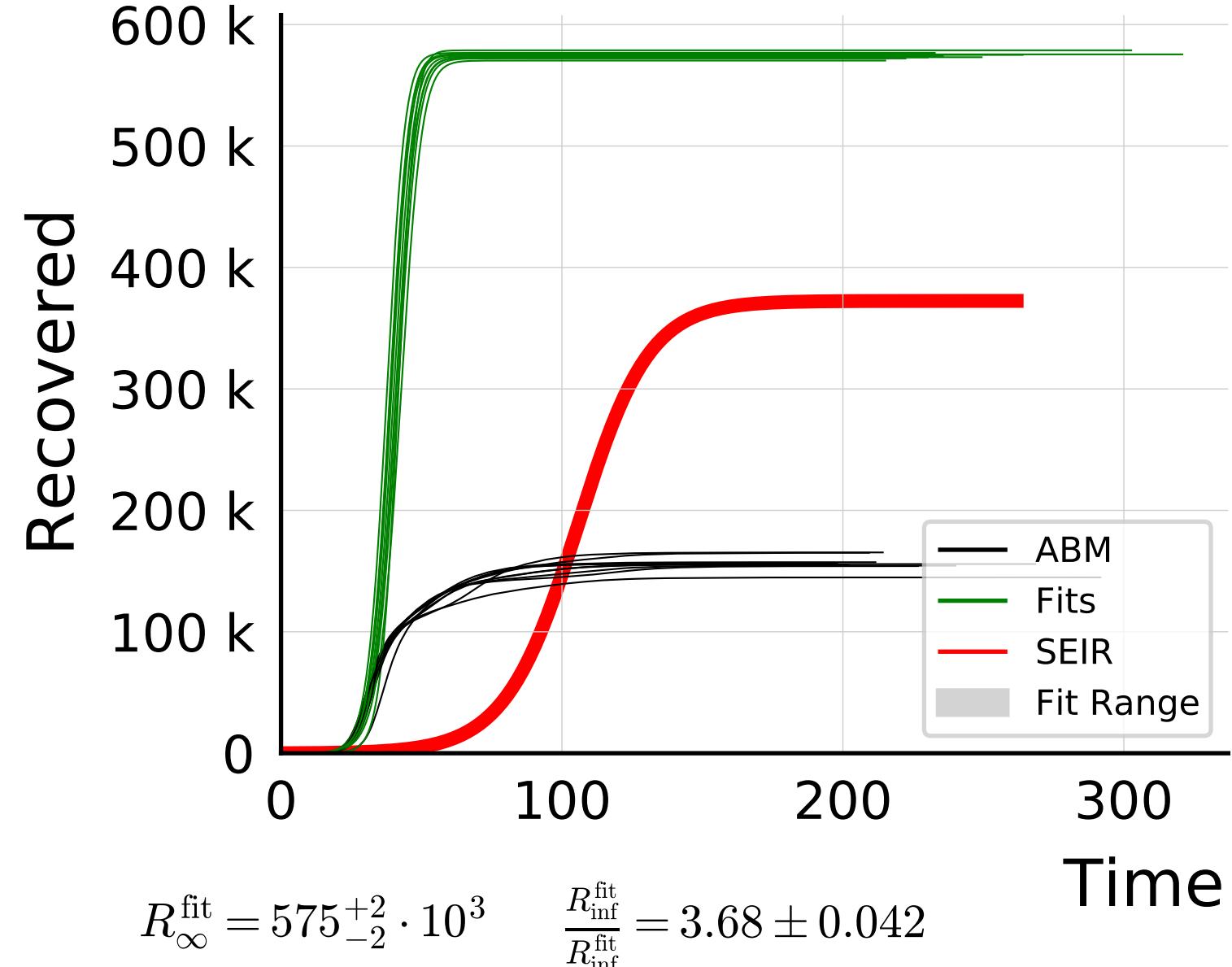
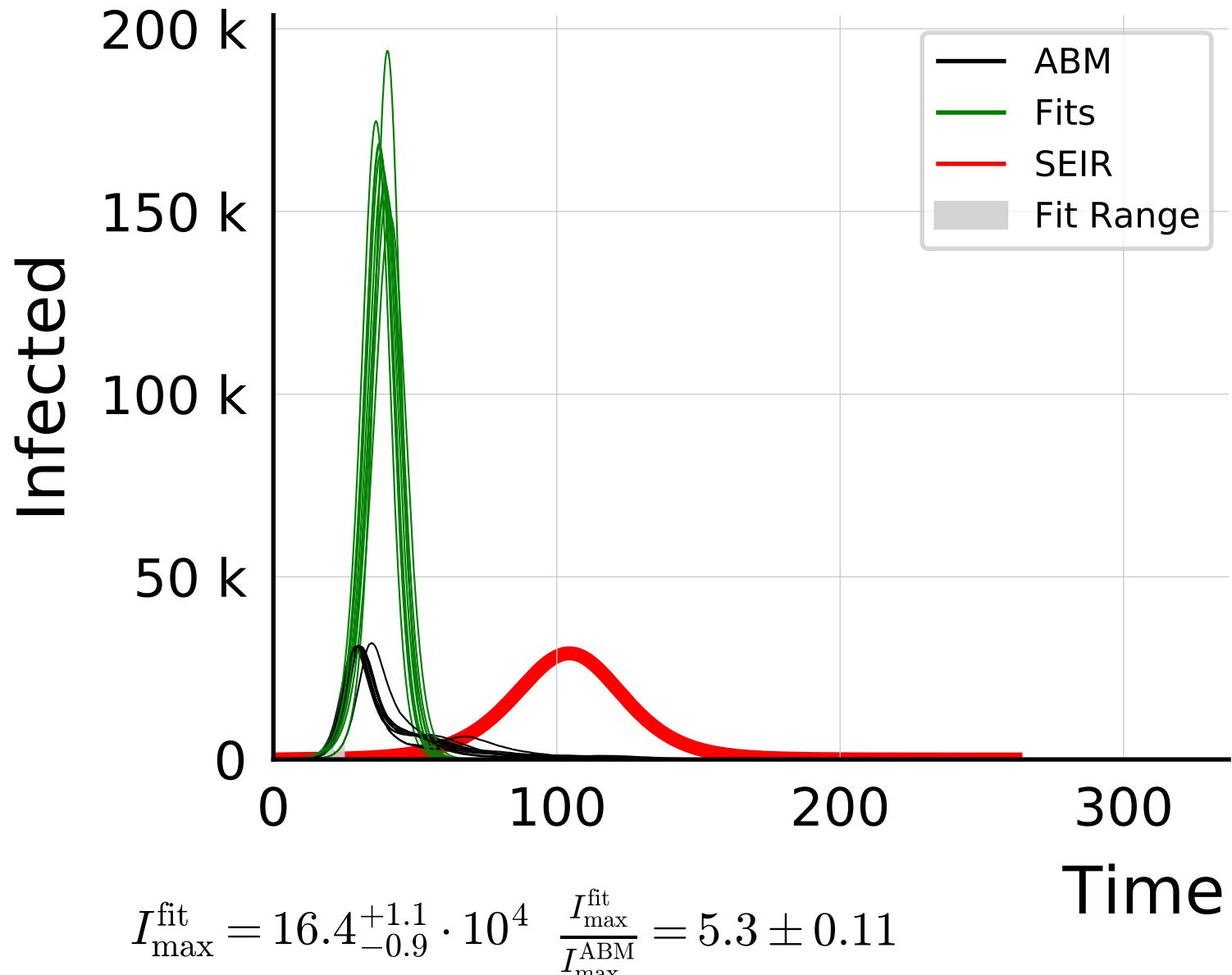
$$\frac{I_{\max}^{\text{fit}}}{I_{\max}^{\text{ABM}}} = 5.1 \pm 0.10$$



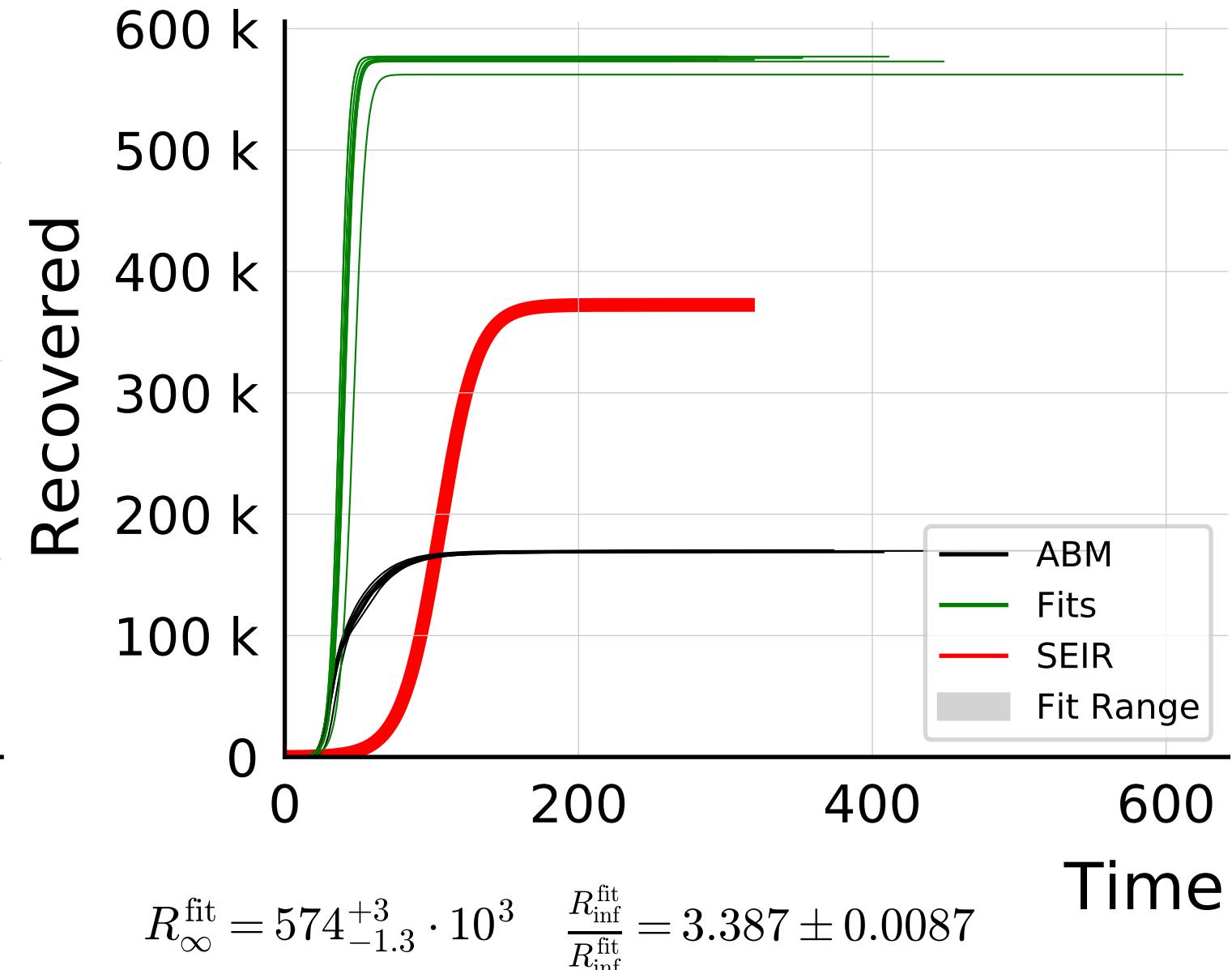
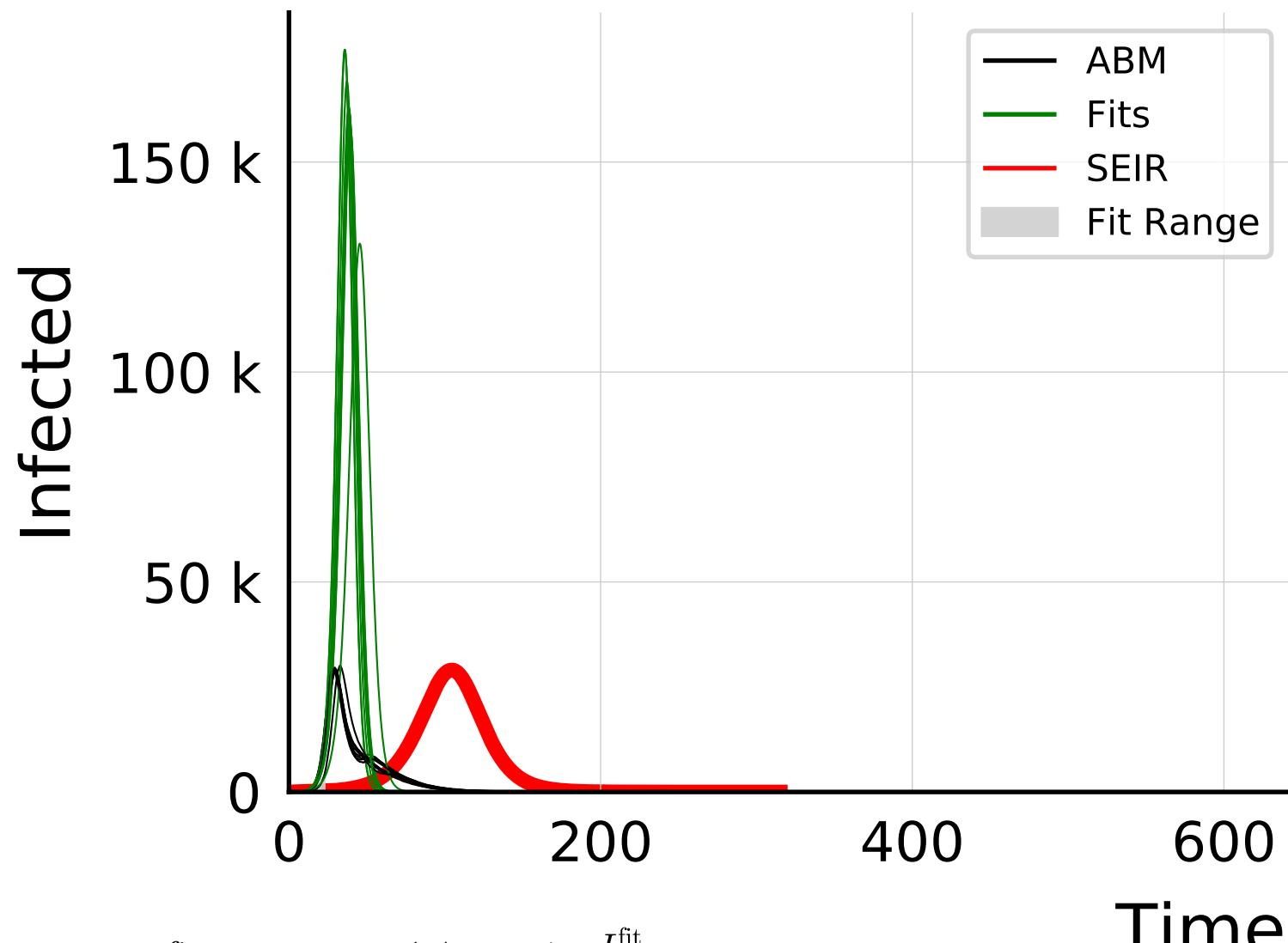
$$R_{\infty}^{\text{fit}} = 574^{+2}_{-4} \cdot 10^3$$

$$\frac{R_{\text{inf}}^{\text{fit}}}{R_{\infty}^{\text{fit}}} = 3.246 \pm 0.0070$$

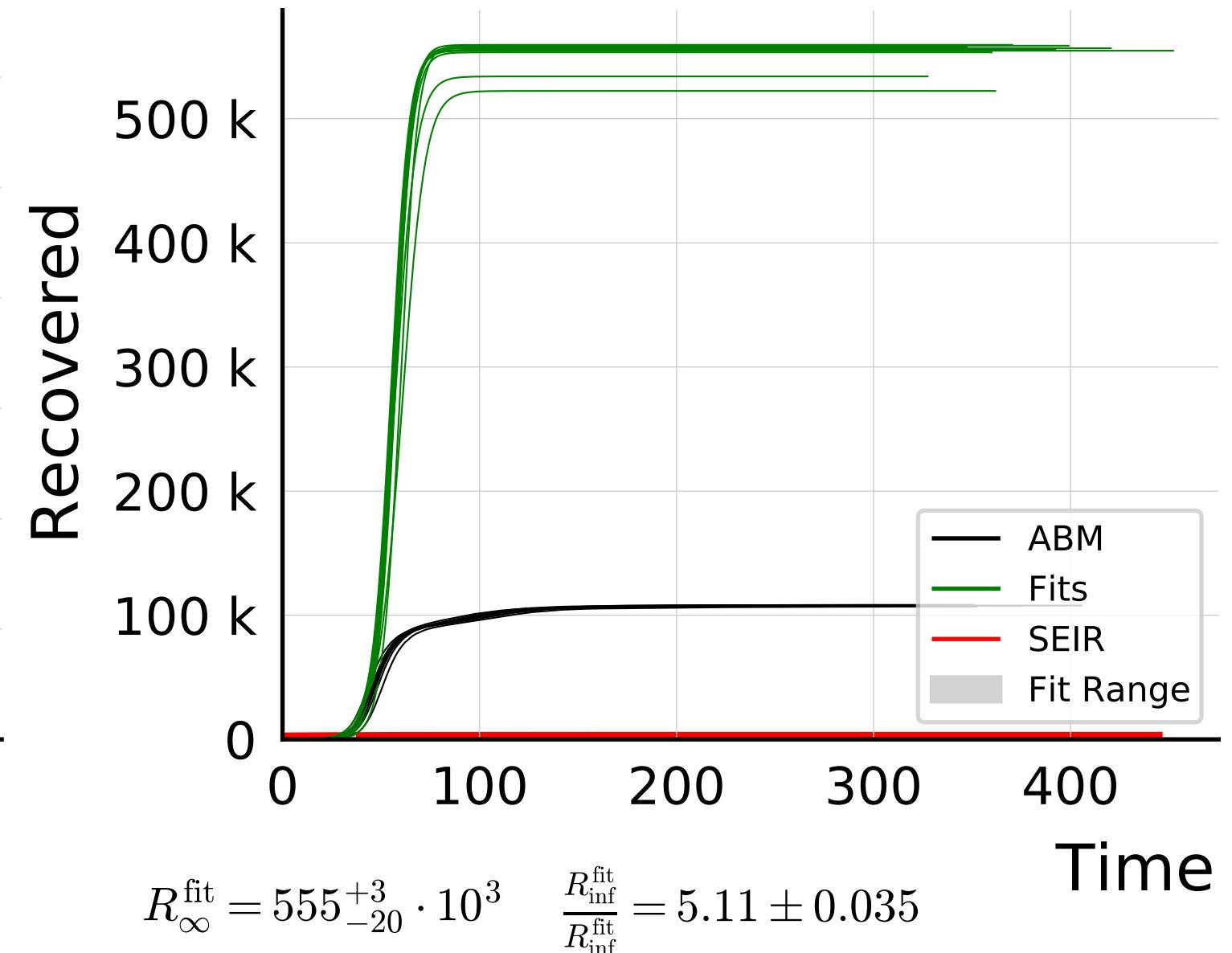
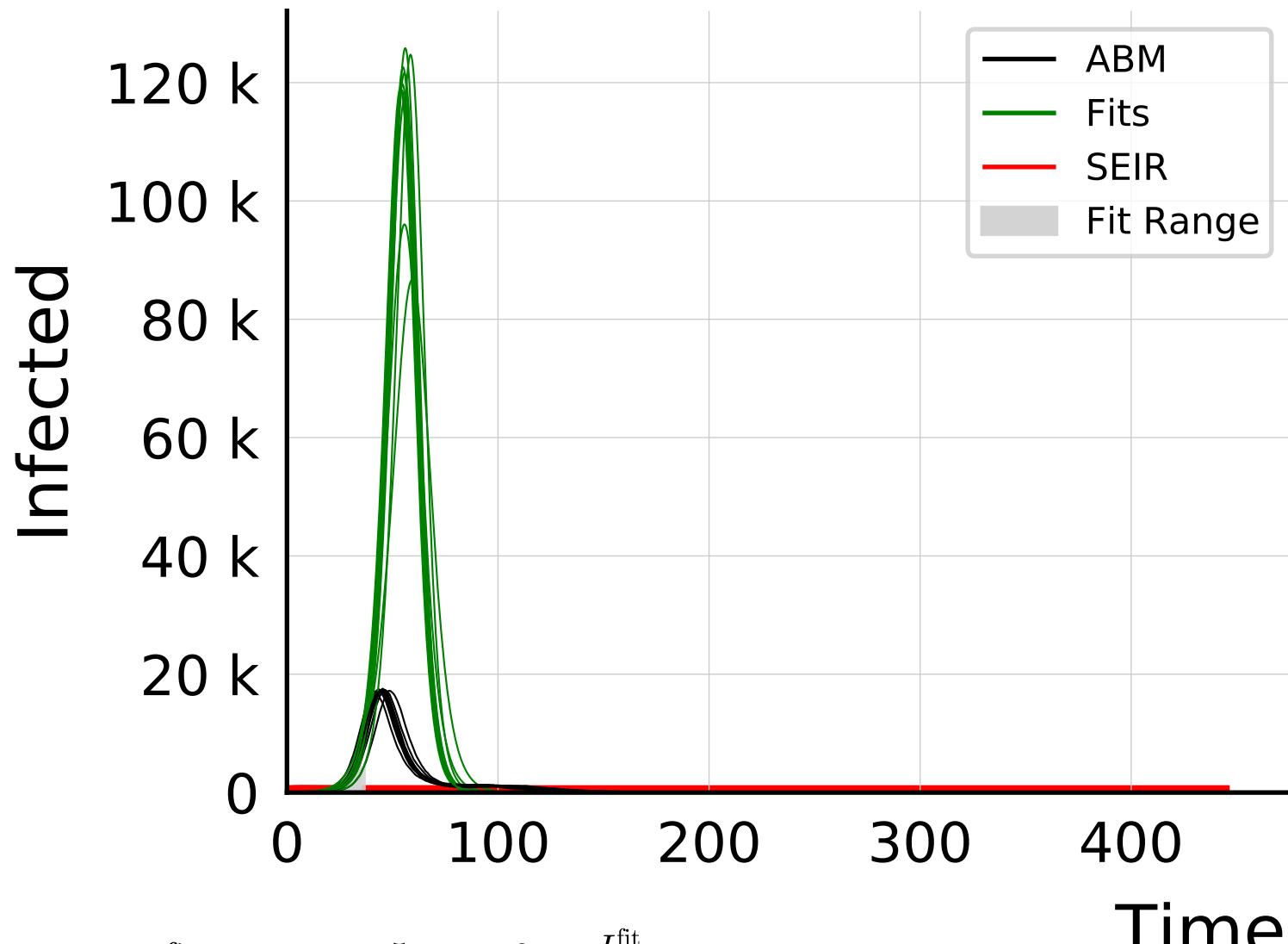
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.4$, $\epsilon_\rho = 0.0$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, #10



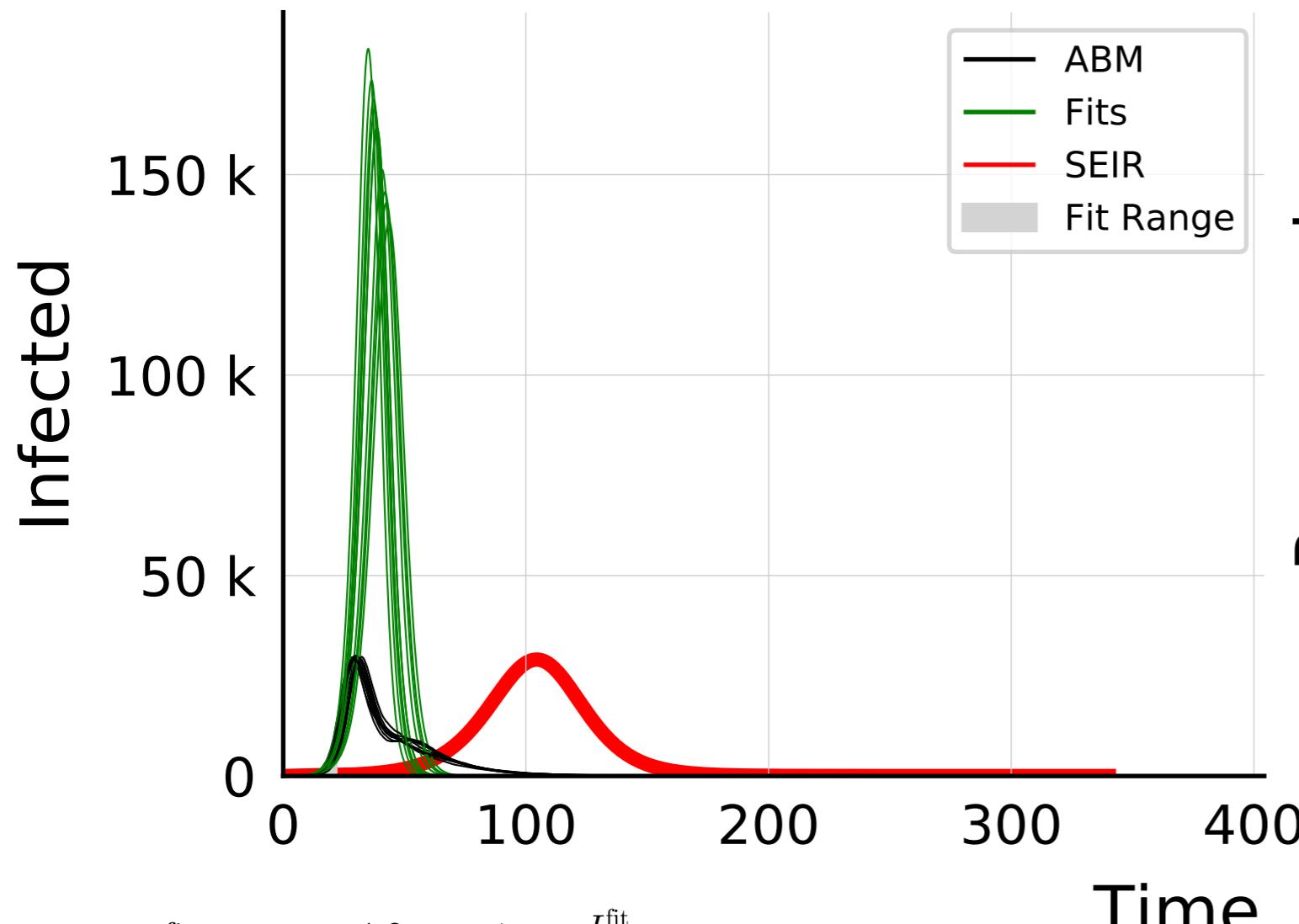
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.5$, $\epsilon_\rho = 0.02$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, #10



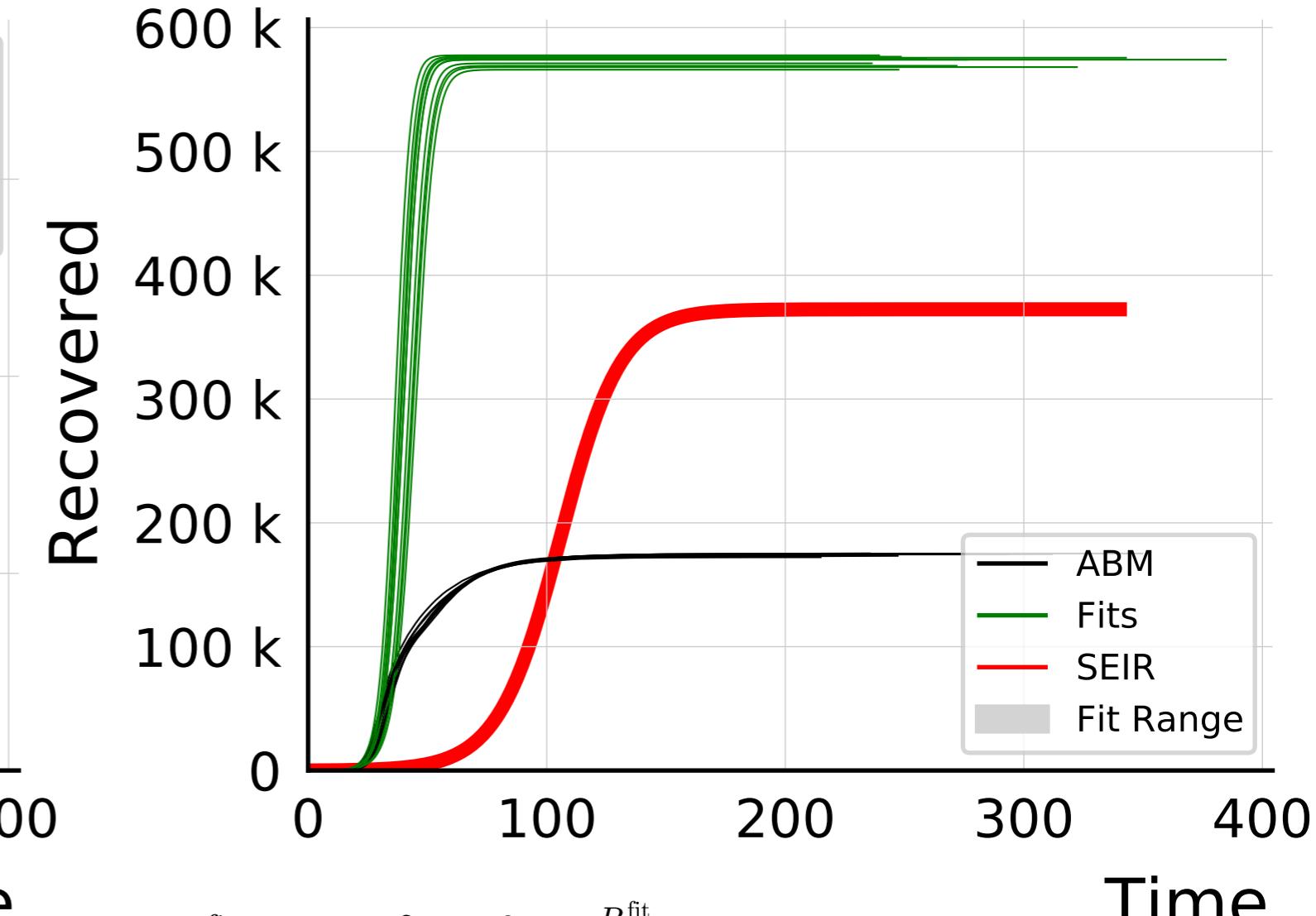
$N_{\text{tot}} = 580K$, $N_{\text{init}} = 100$, $\rho = 0.5$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.005$, $\sigma_\beta = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, #10



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

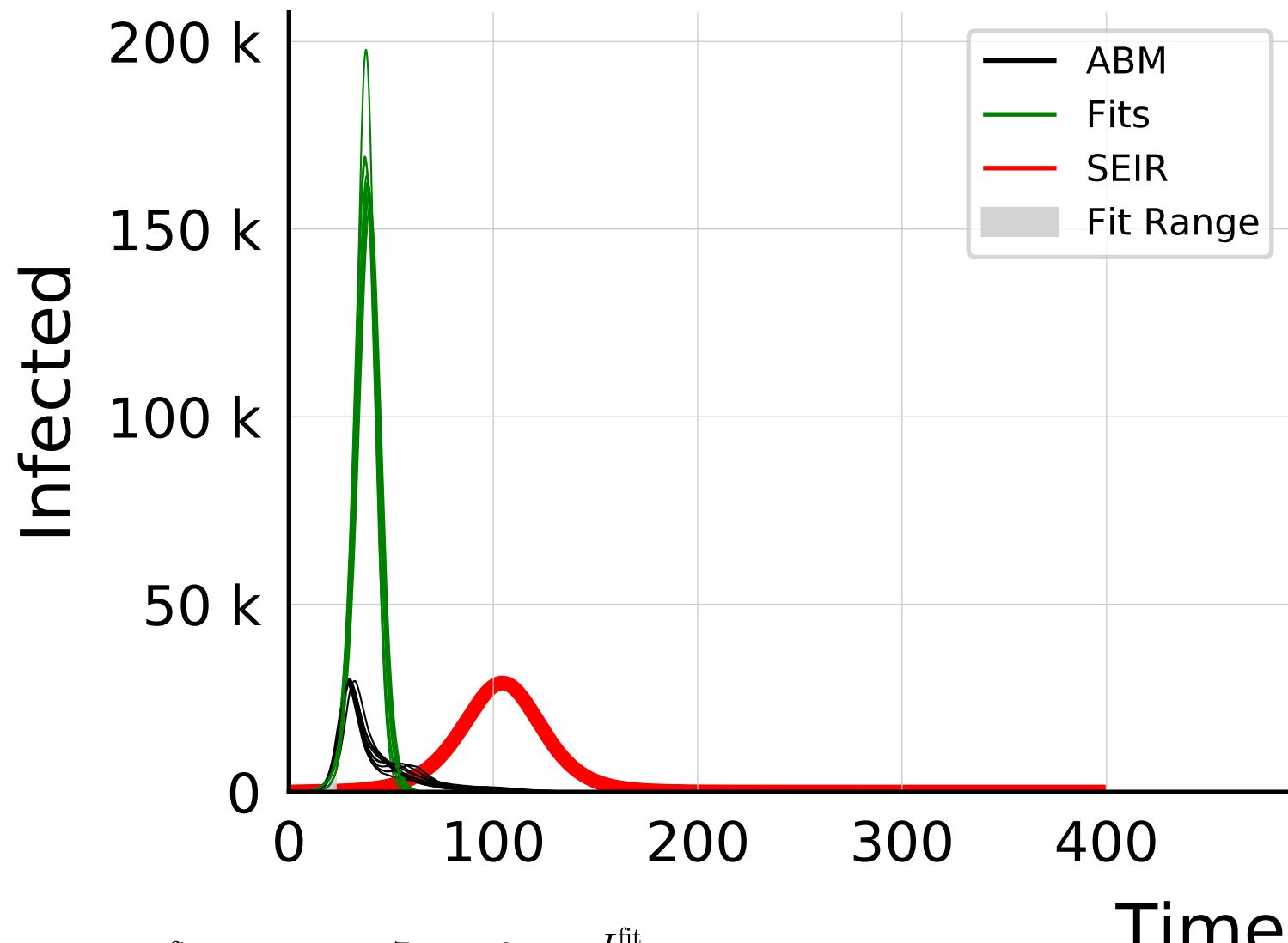


$$I_{\max}^{\text{fit}} = 16_{-1.9}^{+1.2} \cdot 10^4 \quad \frac{I_{\max}^{\text{fit}}}{I_{\max}^{\text{ABM}}} = 5.4 \pm 0.15$$

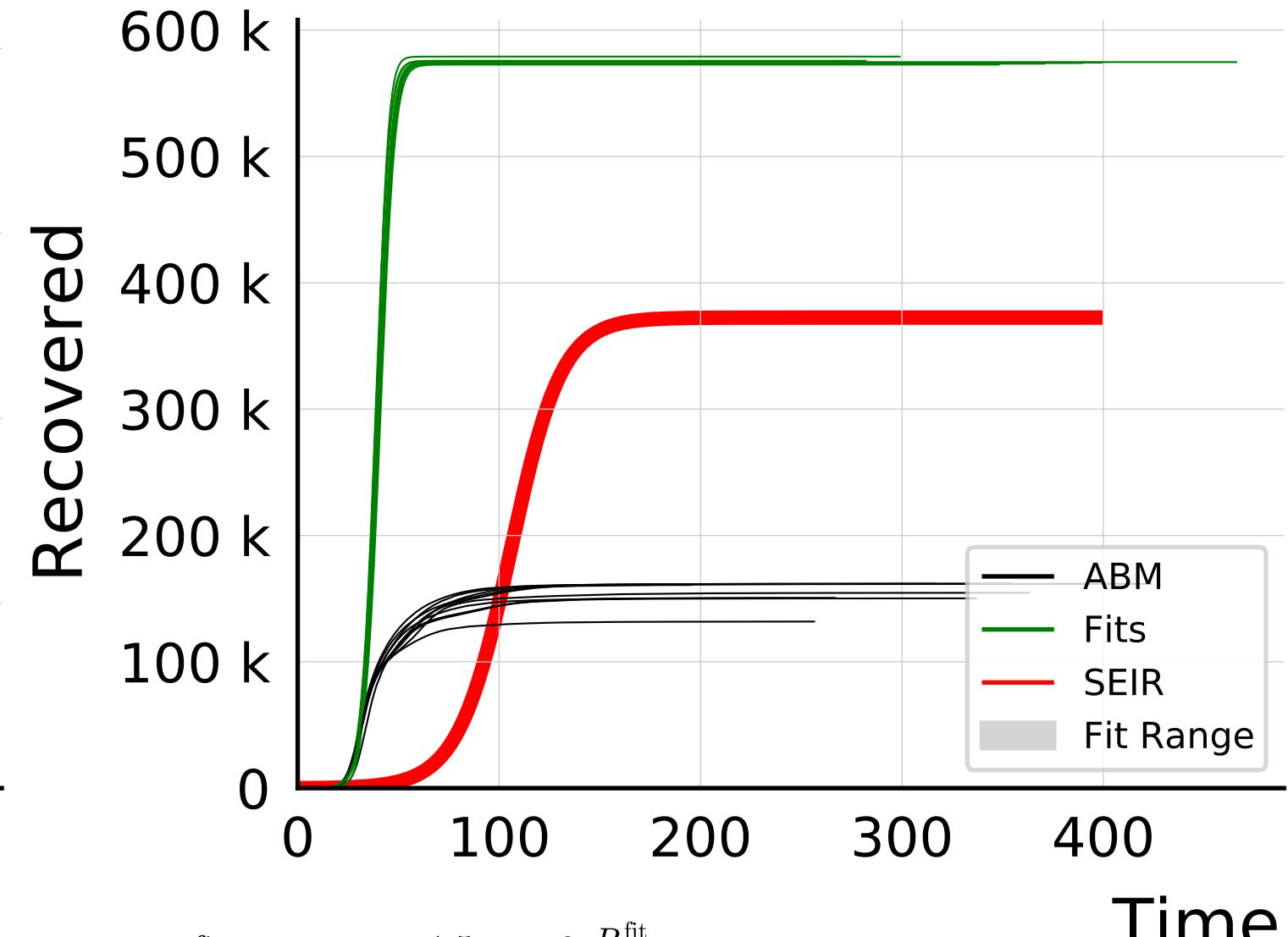


$$R_{\infty}^{\text{fit}} = 574_{-6}^{+2} \cdot 10^3 \quad \frac{R_{\text{inf}}^{\text{fit}}}{R_{\text{inf}}} = 3.286 \pm 0.0073$$

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

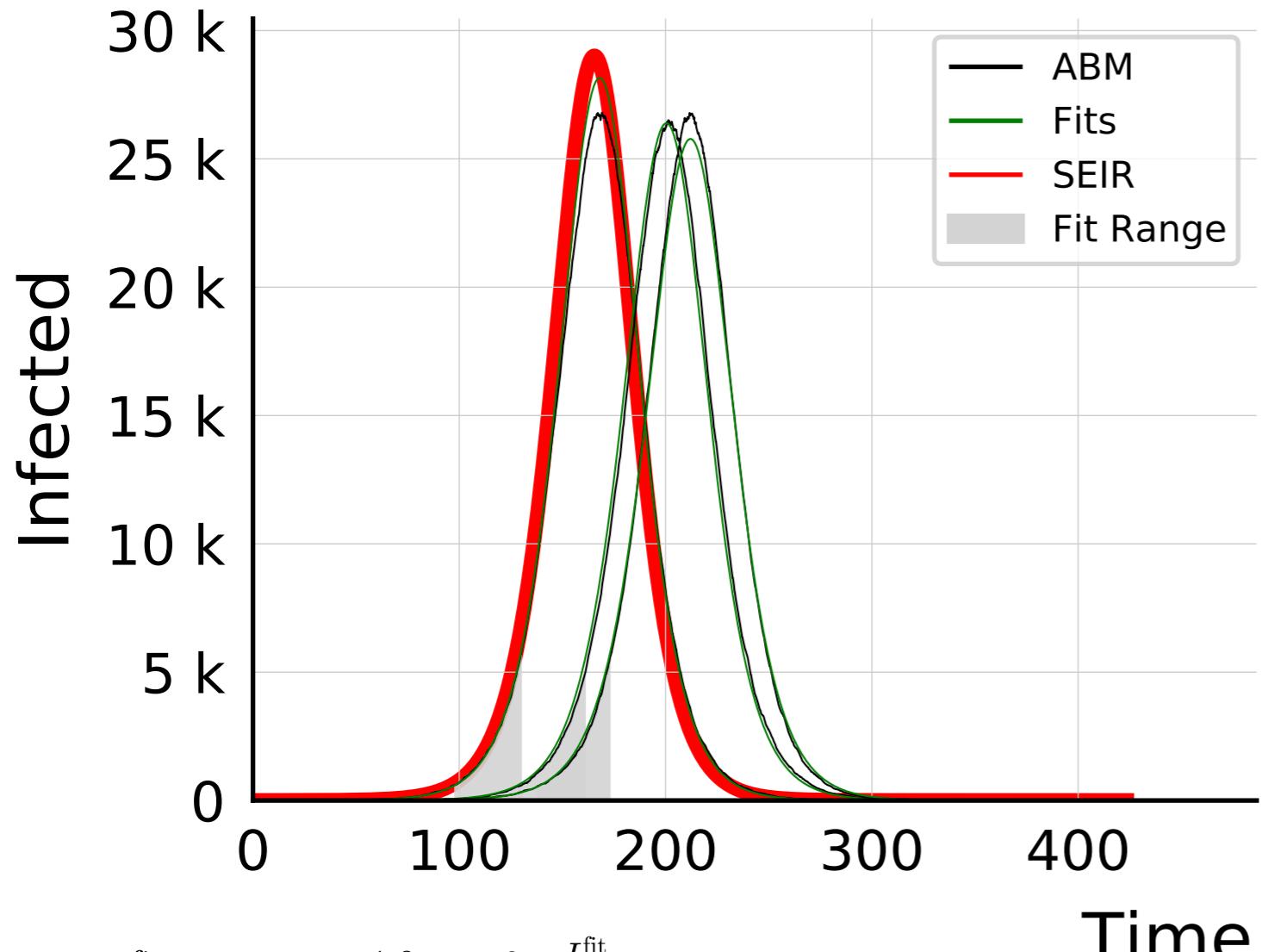


$$I_{\max}^{\text{fit}} = 162^{+7}_{-3} \cdot 10^3 \quad \frac{I_{\max}^{\text{fit}}}{I_{\max}^{\text{ABM}}} = 5.7 \pm 0.12$$

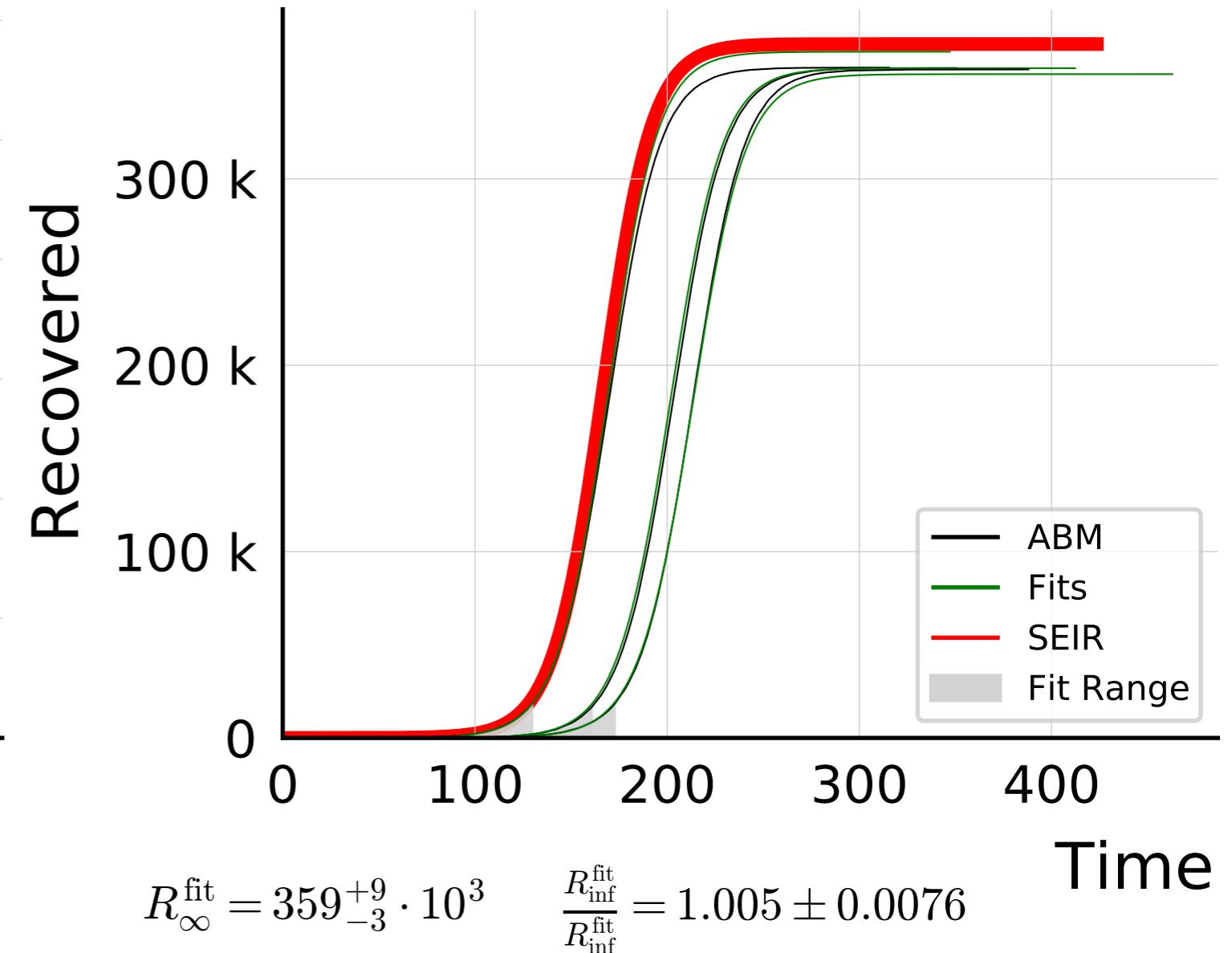


$$R_{\infty}^{\text{fit}} = 574.3^{+1.5}_{-0.8} \cdot 10^3 \quad \frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{inf}}} = 3.73 \pm 0.077$$

$N_{\text{tot}} = 580K$, $N_{\text{init}} = 1$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, algo = 2, #3

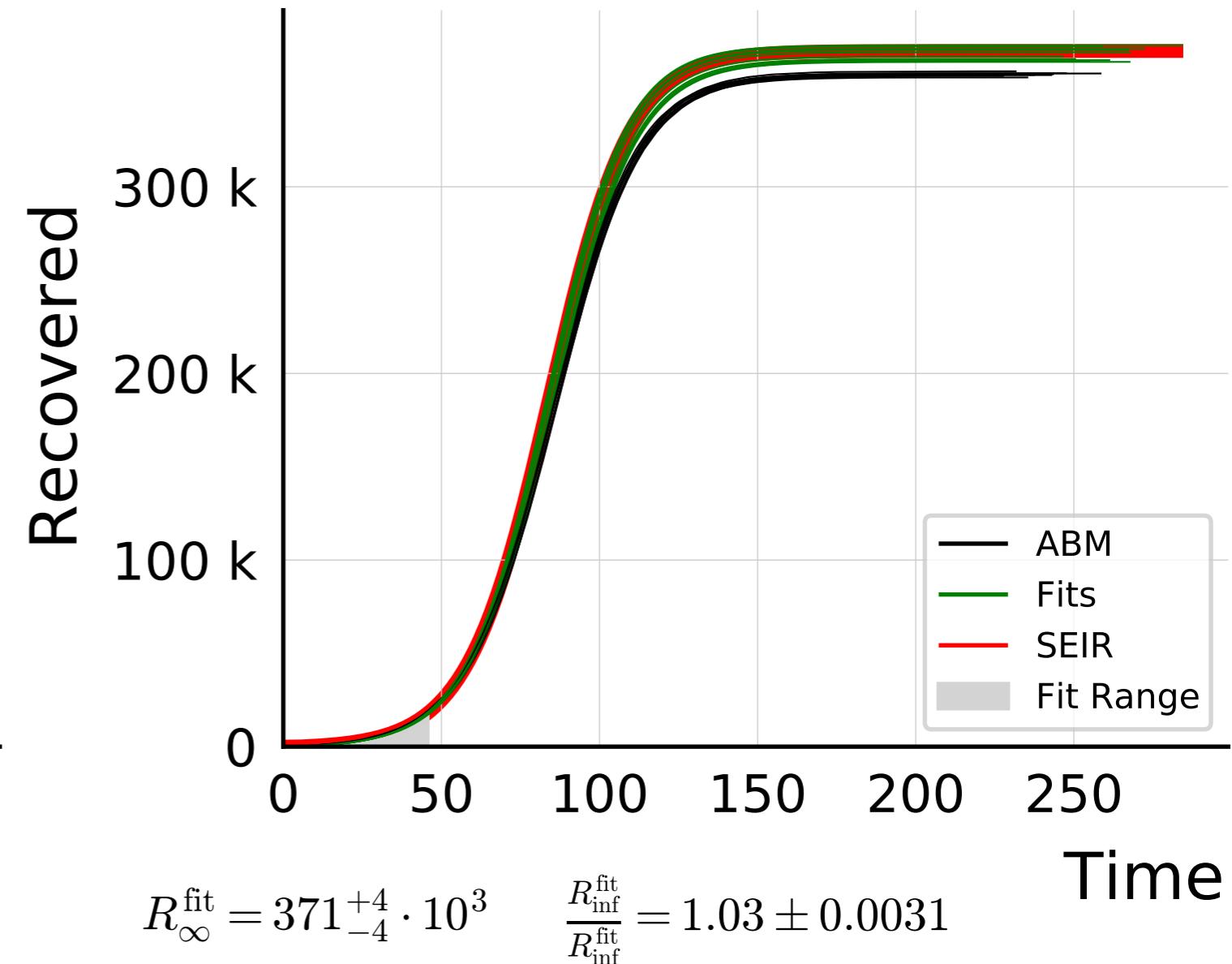
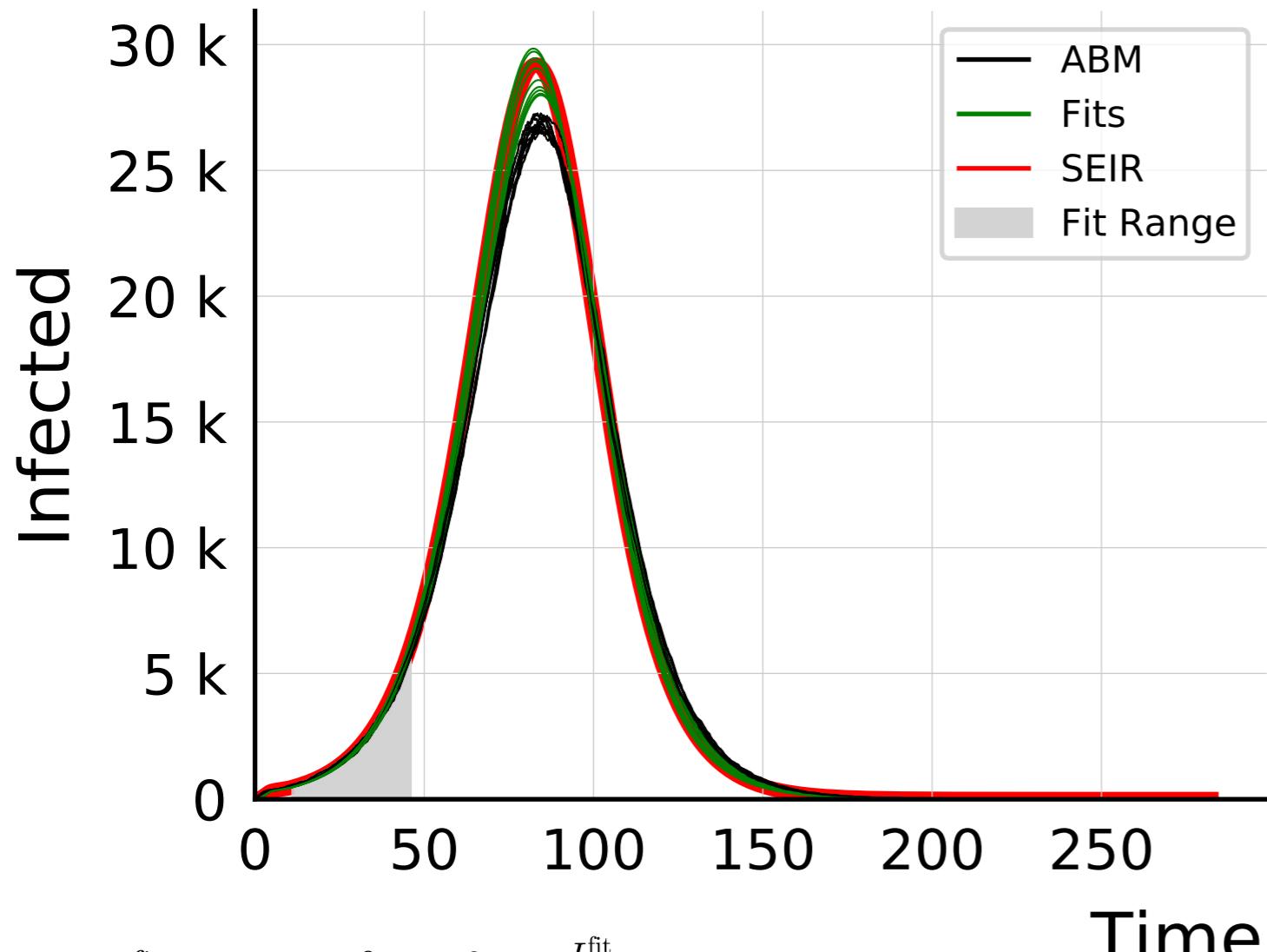


$$I_{\max}^{\text{fit}} = 26.4_{-0.6}^{+1.8} \cdot 10^3 \quad \frac{I_{\max}^{\text{fit}}}{I_{\max}^{\text{ABM}}} = 1 \pm 0.021$$

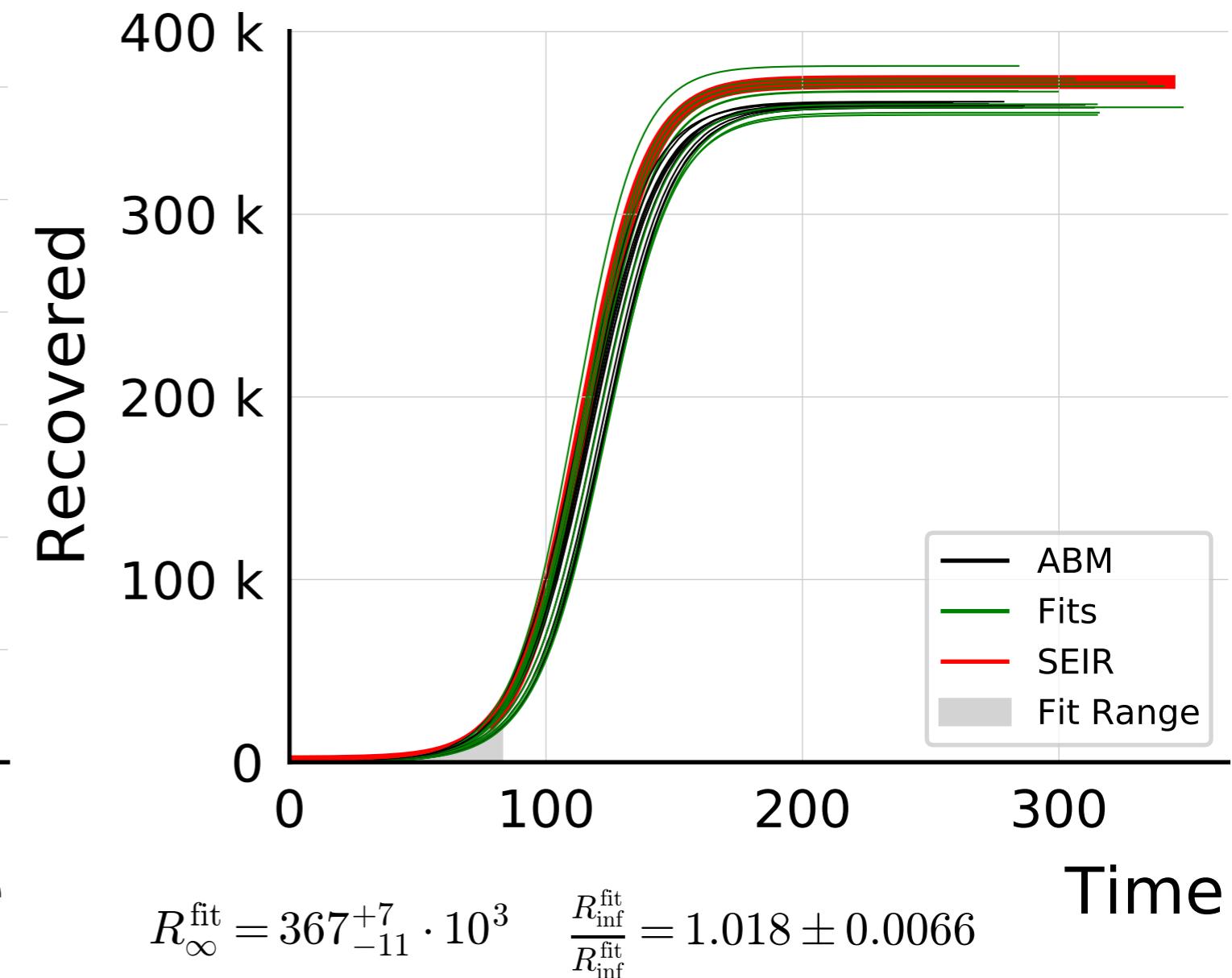
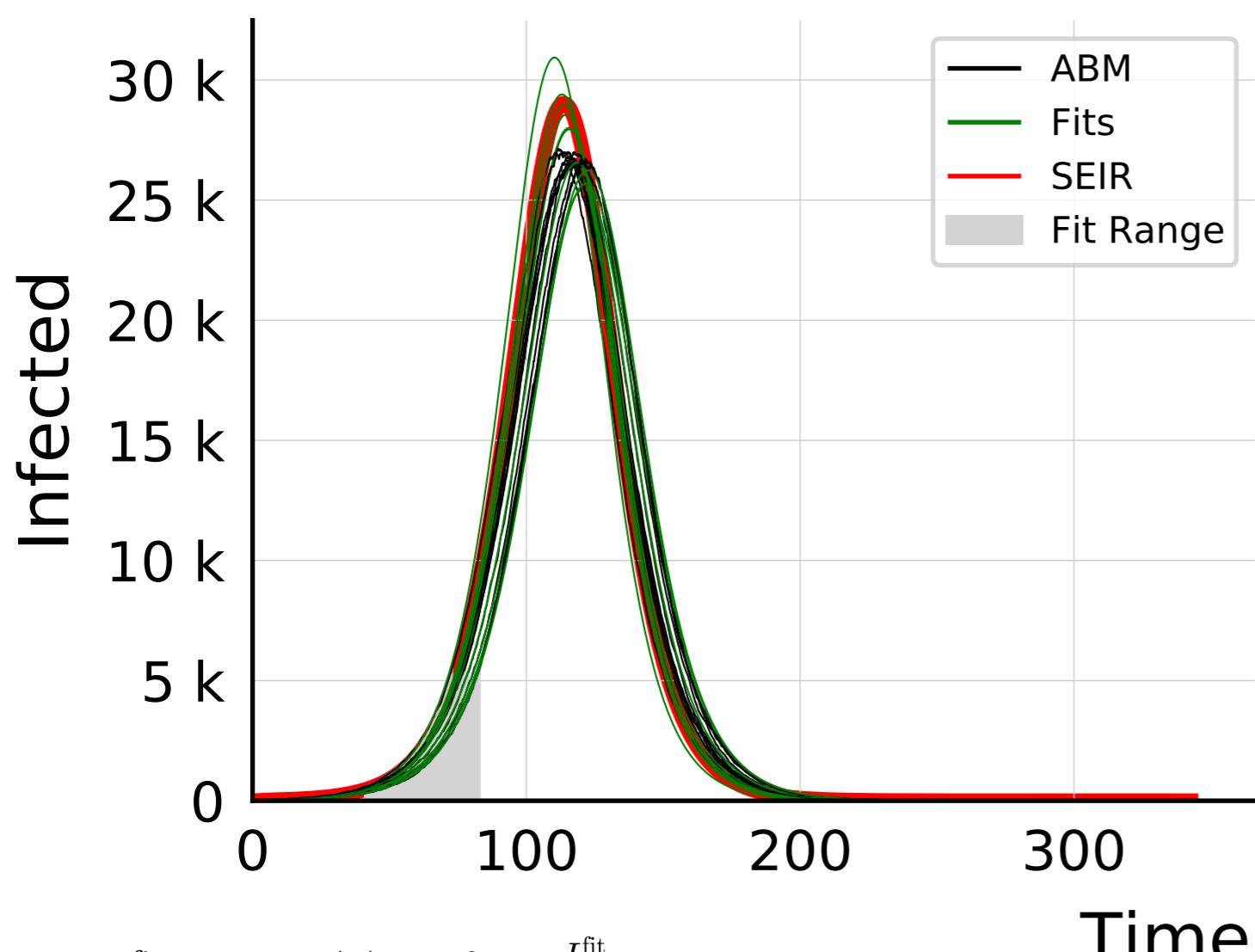


$$R_{\infty}^{\text{fit}} = 359_{-3}^{+9} \cdot 10^3 \quad \frac{R_{\infty}^{\text{fit}}}{R_{\text{inf}}^{\text{fit}}} = 1.005 \pm 0.0076$$

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



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



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

