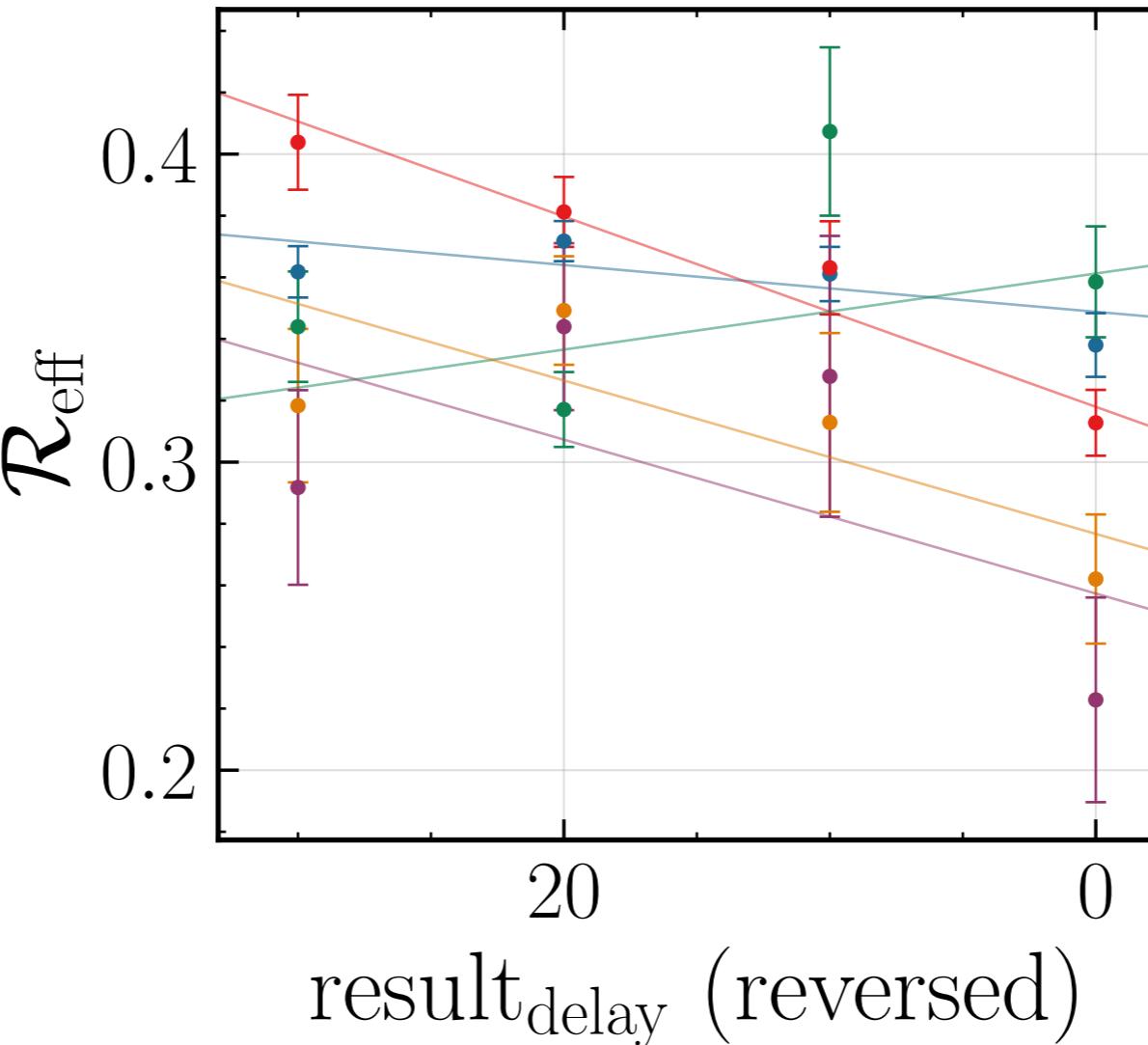
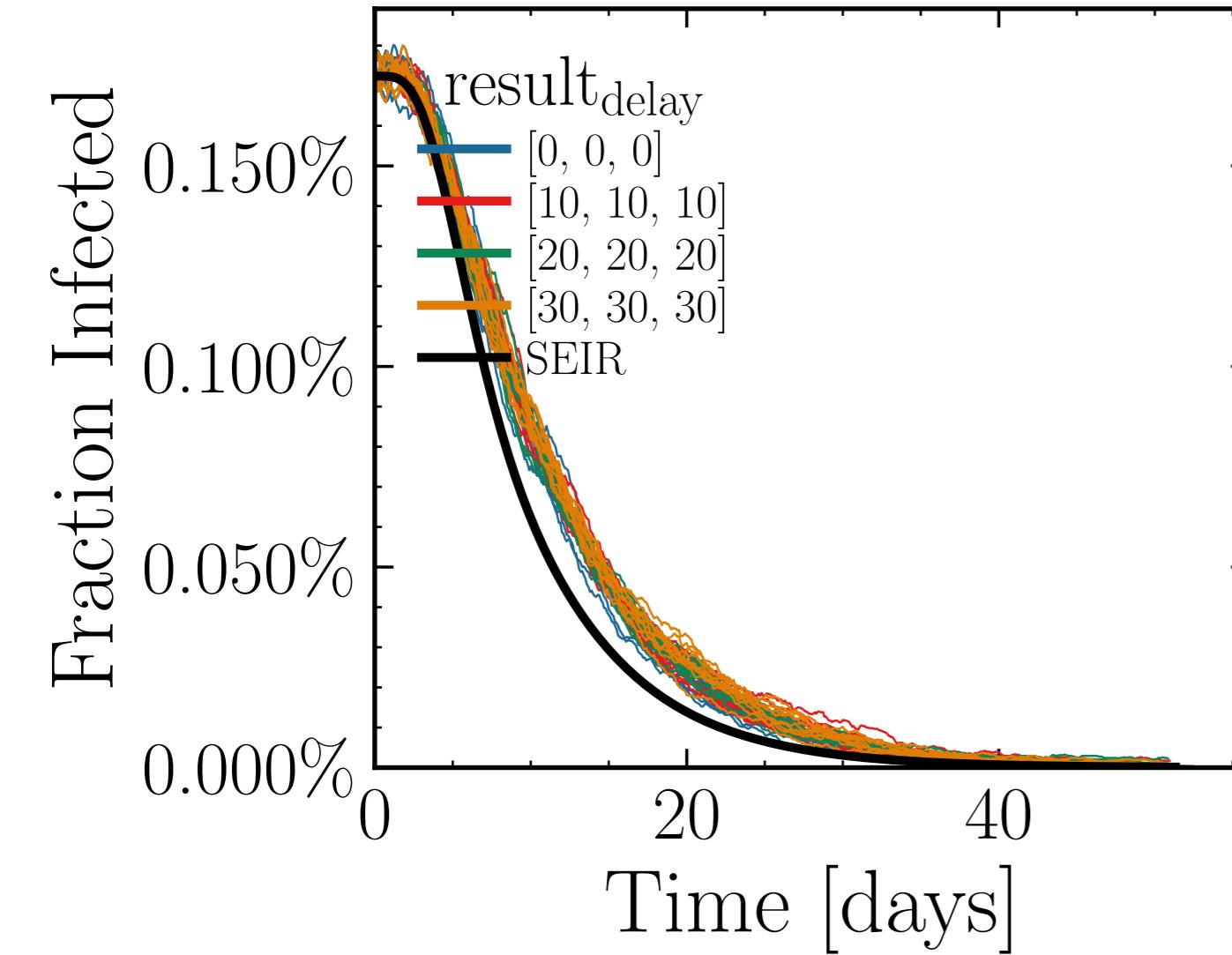
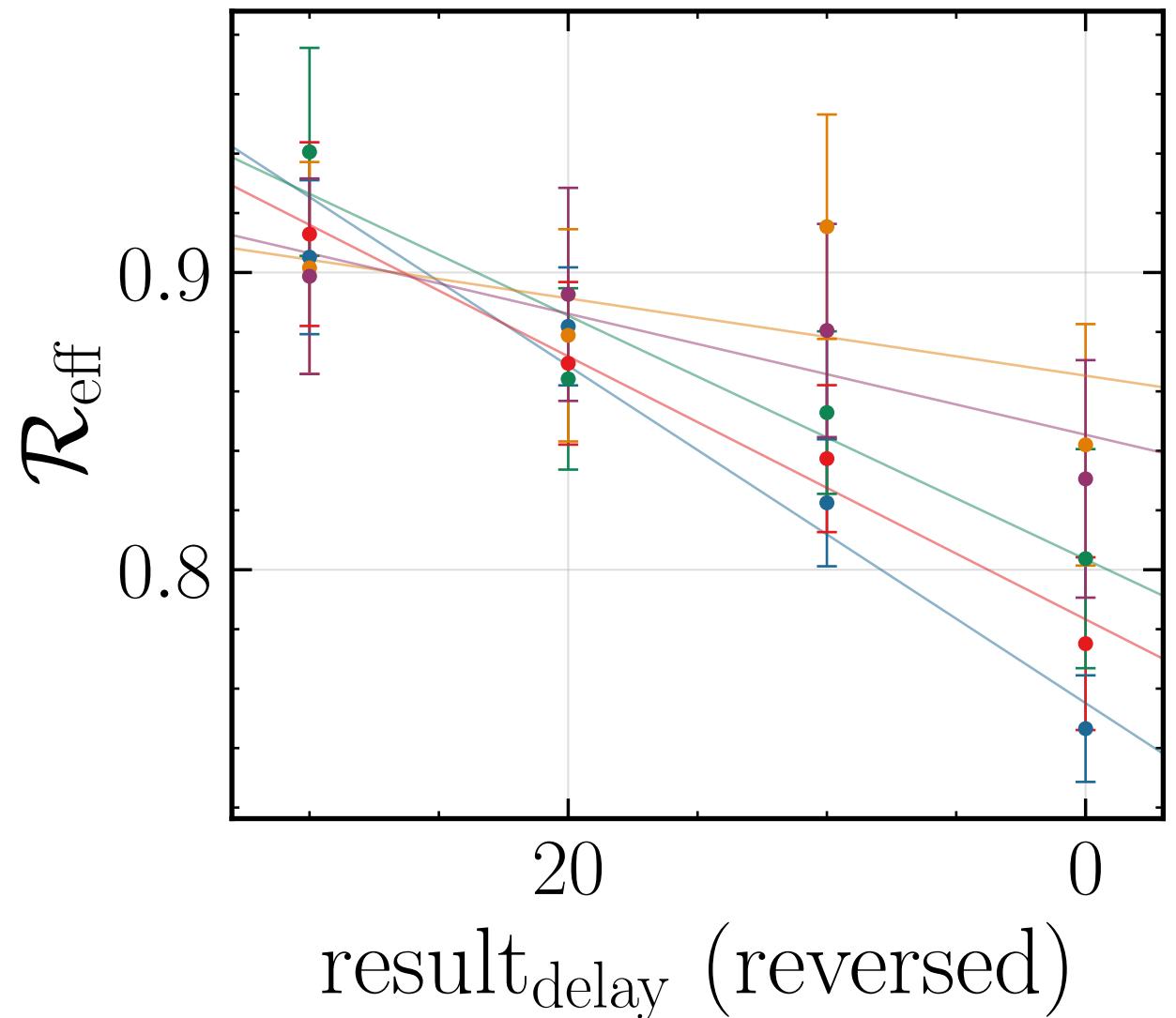
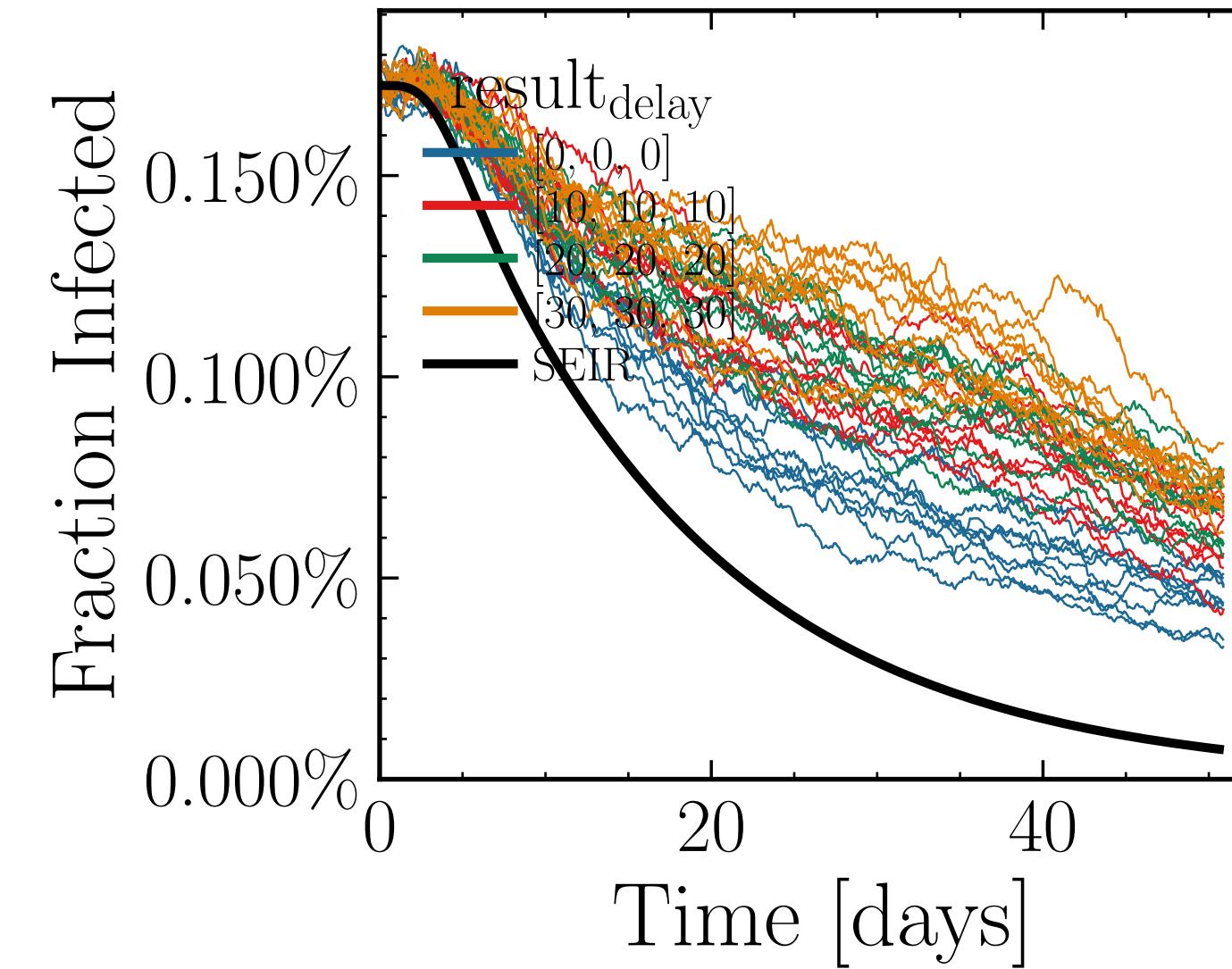


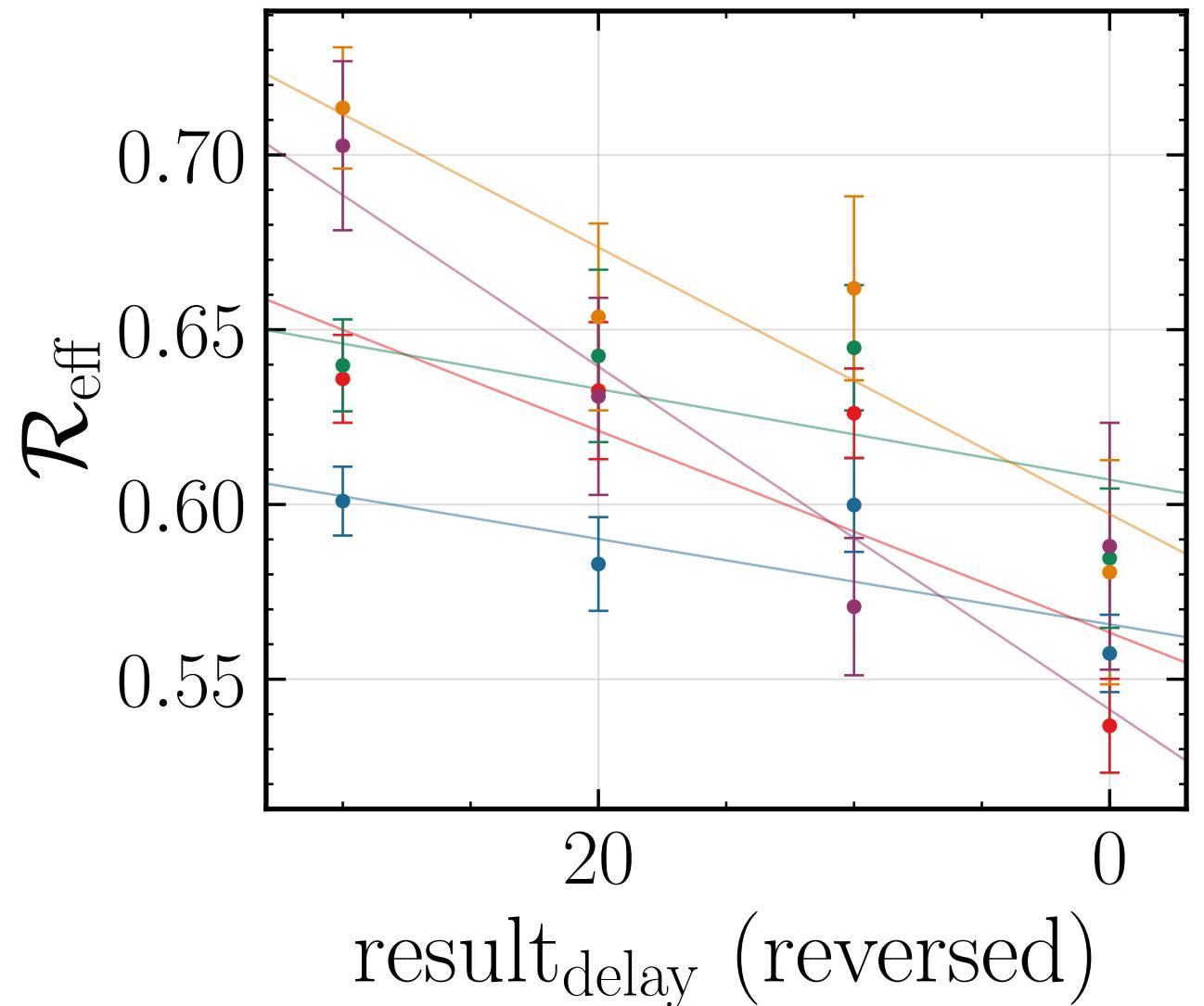
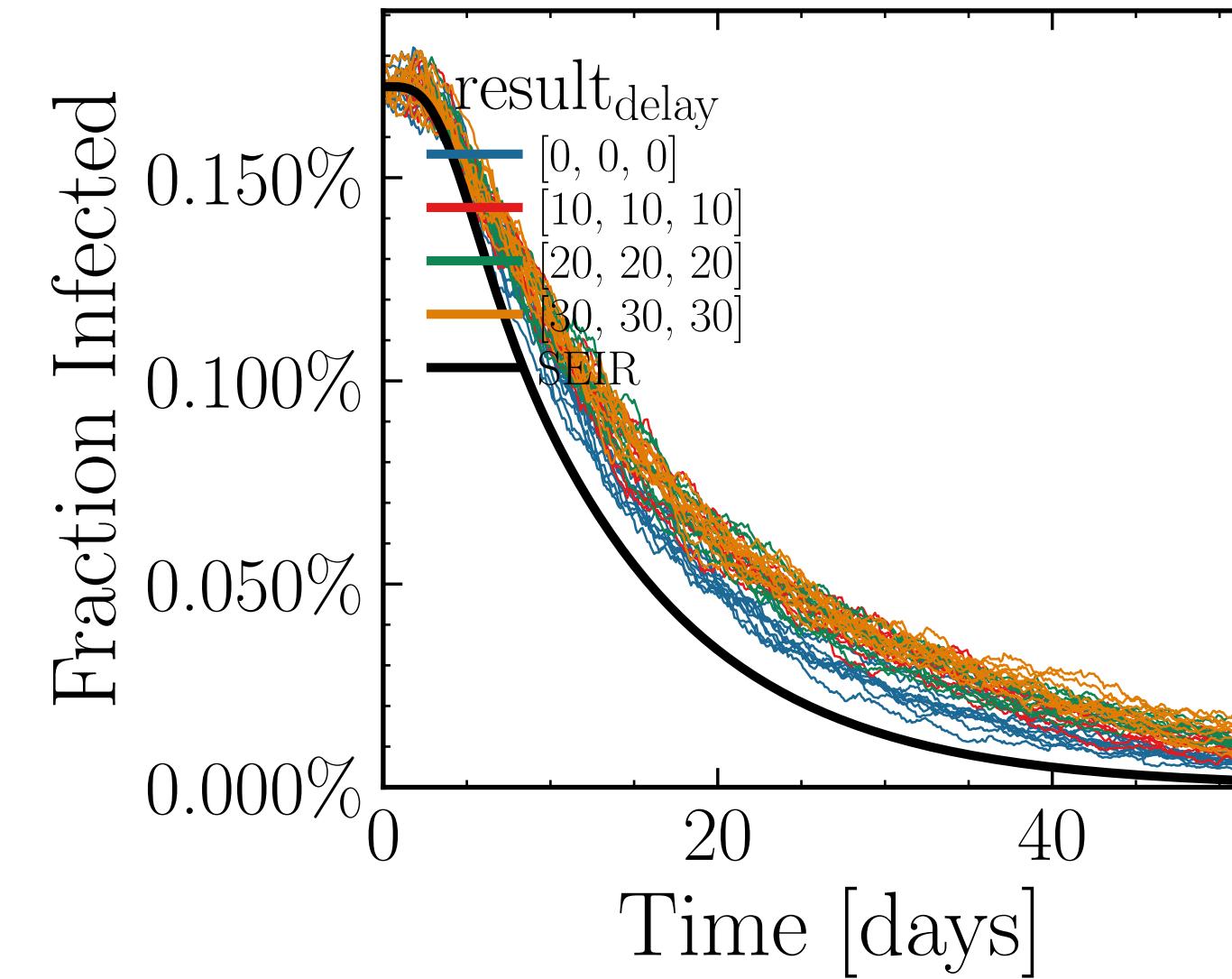
$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 10.2022$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.0084$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 2K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True, w.rand.inf. = True,  $N_{\text{connect}} = 0$ ,  $f_{\text{work/other}} = 0.733$ ,  $N_{\text{contacts}_{\max}} = 0$   
 $N_{\text{events}} = 1.54K$ , event<sub>size<sub>max</sub></sub> = 10, event<sub>size<sub>mean</sub></sub> = 3.1743, event <sub>$\beta$ scaling</sub> = 5.0, event<sub>weekendmultiplier</sub> = 2.0  
do<sub>int.</sub> = True, int. = [3, 4, 5, 6], f<sub>dailytests</sub> = 0.01, test<sub>delay</sub> = [0, 0, 25]  
chance<sub>find.inf.</sub> = [0.0, 0.15, 0.15, 0.15, 0.0], days<sub>look.back</sub> = 7, tracking<sub>delay</sub> = 10



$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 14.7998$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.0109$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 2K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True, w.rand.inf. = True,  $N_{\text{connect}} = 0$ ,  $f_{\text{work/other}} = 0.5571$ ,  $N_{\text{contacts}_{\max}} = 0$   
 $N_{\text{events}} = 3.36K$ ,  $\text{event}_{\text{size}_{\max}} = 10$ ,  $\text{event}_{\text{size}_{\text{mean}}} = 4.6243$ ,  $\text{event}_{\beta_{\text{scaling}}} = 5.0$ ,  $\text{event}_{\text{weekend}_{\text{multiplier}}} = 2.0$   
do\_int. = True, int. = [3, 4, 5, 6],  $f_{\text{dailytests}} = 0.01$ , test\_delay = [0, 0, 25]  
chance\_fnd.inf. = [0.0, 0.15, 0.15, 0.15, 0.0], days\_look.back = 7, tracking\_delay = 10

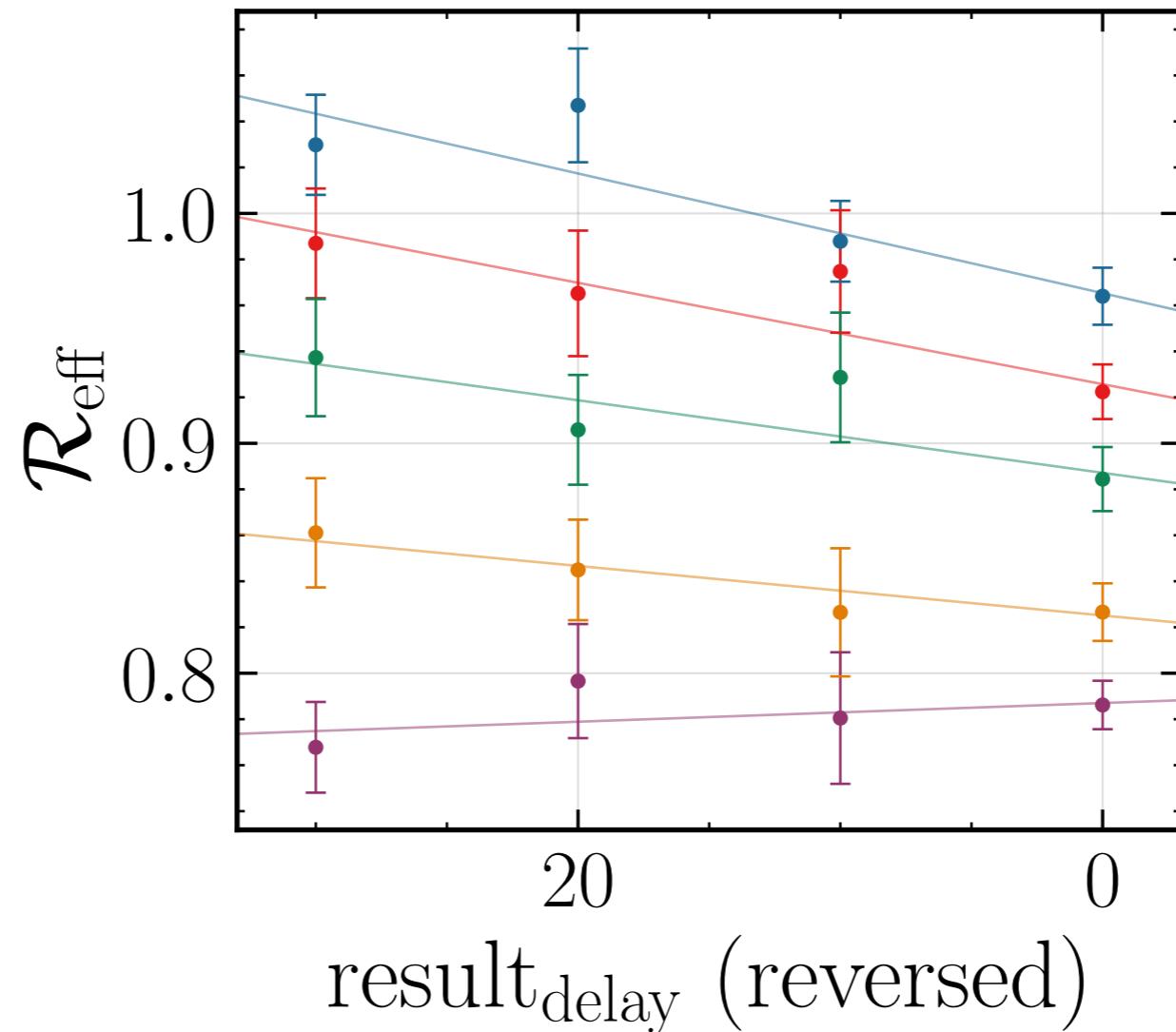
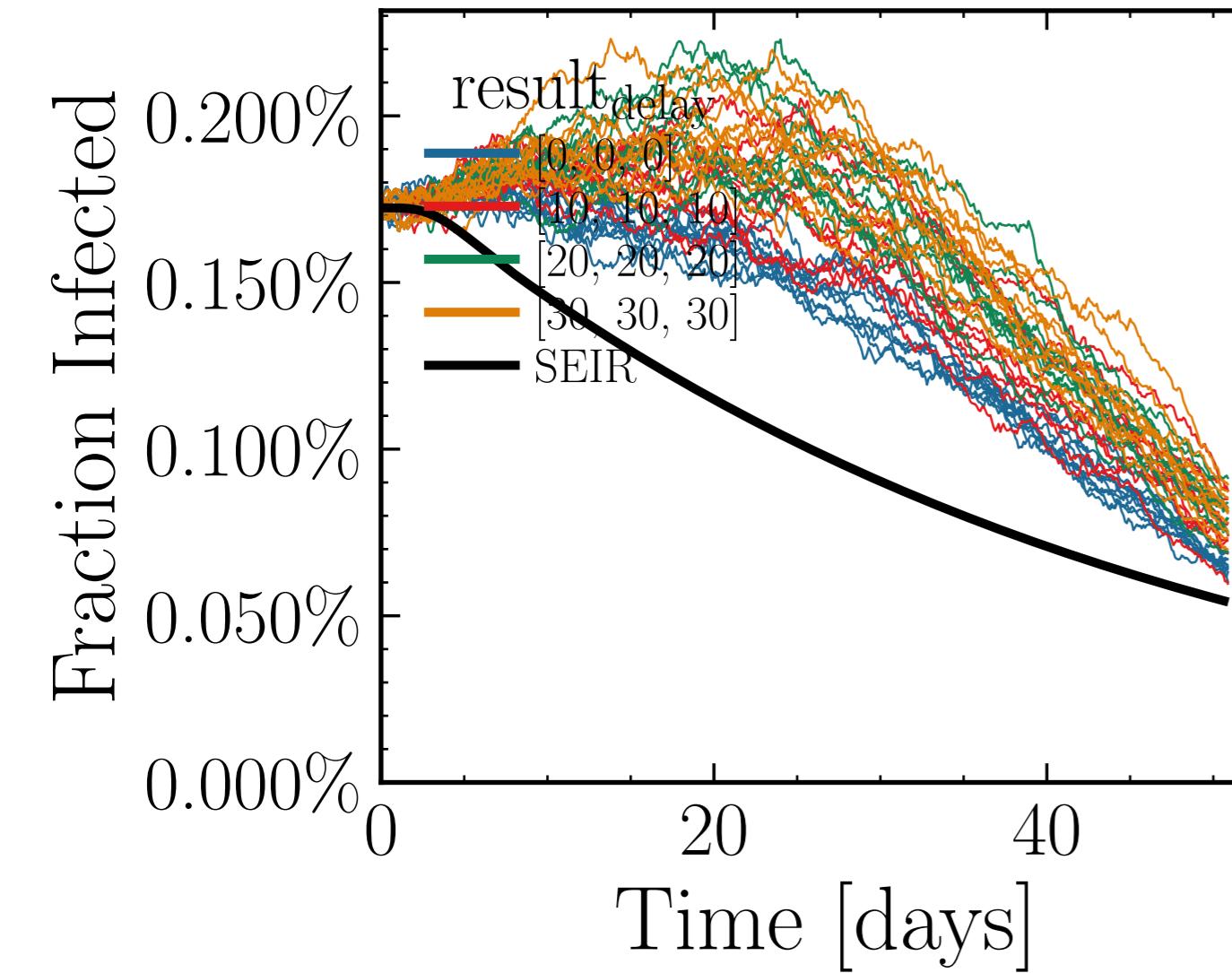


$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 14.7361$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.0088$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 2K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True, w.rand.inf. = True,  $N_{\text{connect}} = 0$ ,  $f_{\text{work/other}} = 0.7204$ ,  $N_{\text{contacts}_{\max}} = 0$   
 $N_{\text{events}} = 3.05K$ ,  $\text{event}_{\text{size}_{\max}} = 10$ ,  $\text{event}_{\text{size}_{\text{mean}}} = 4.7402$ ,  $\text{event}_{\beta_{\text{scaling}}} = 5.0$ ,  $\text{event}_{\text{weekend}_{\text{multiplier}}} = 2.0$   
do\_int. = True, int. = [3, 4, 5, 6],  $f_{\text{dailytests}} = 0.01$ , test\_delay = [0, 0, 25]  
chance\_fnd.inf. = [0.0, 0.15, 0.15, 0.15, 0.0], days\_look.back = 7, tracking\_delay = 10

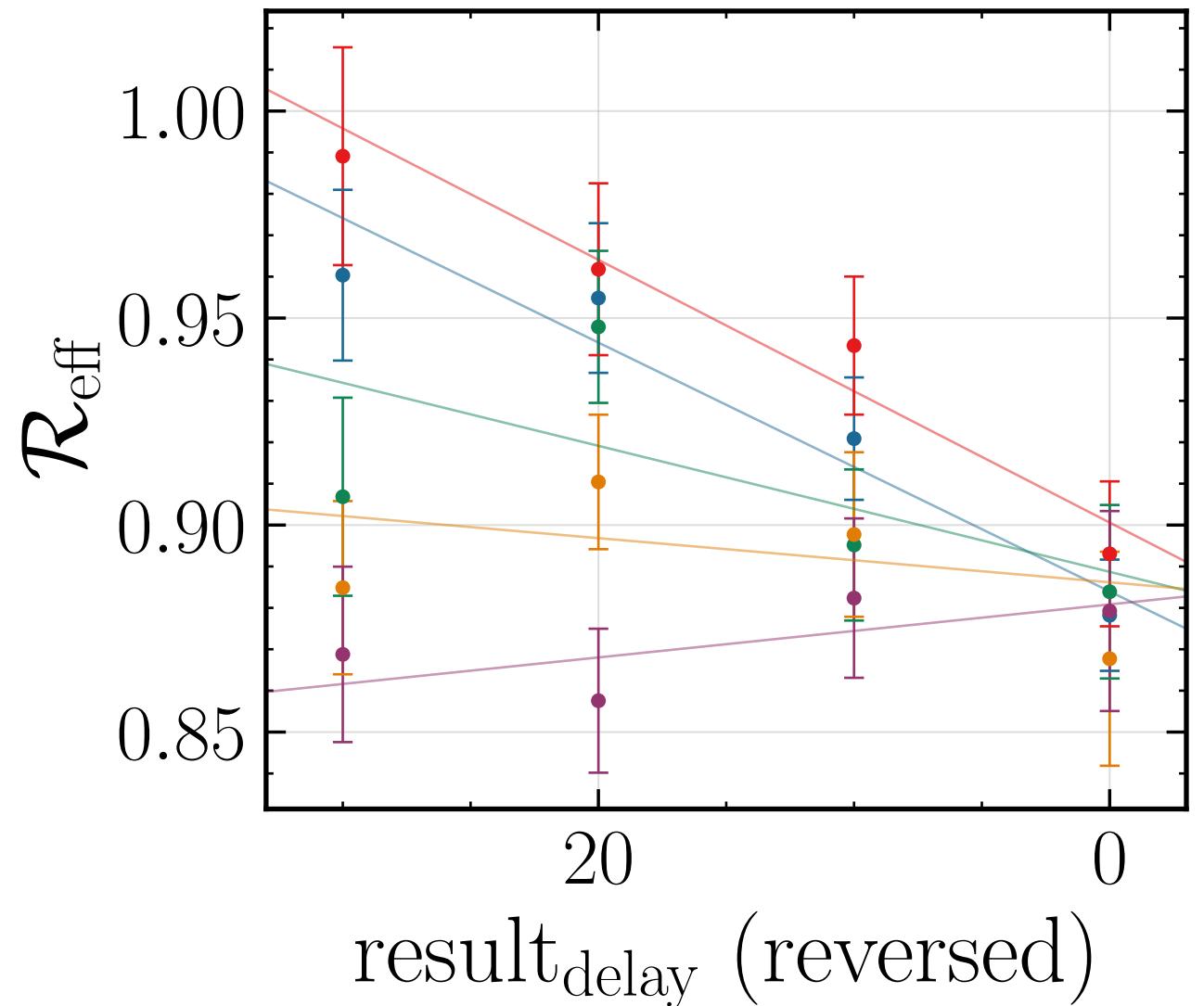
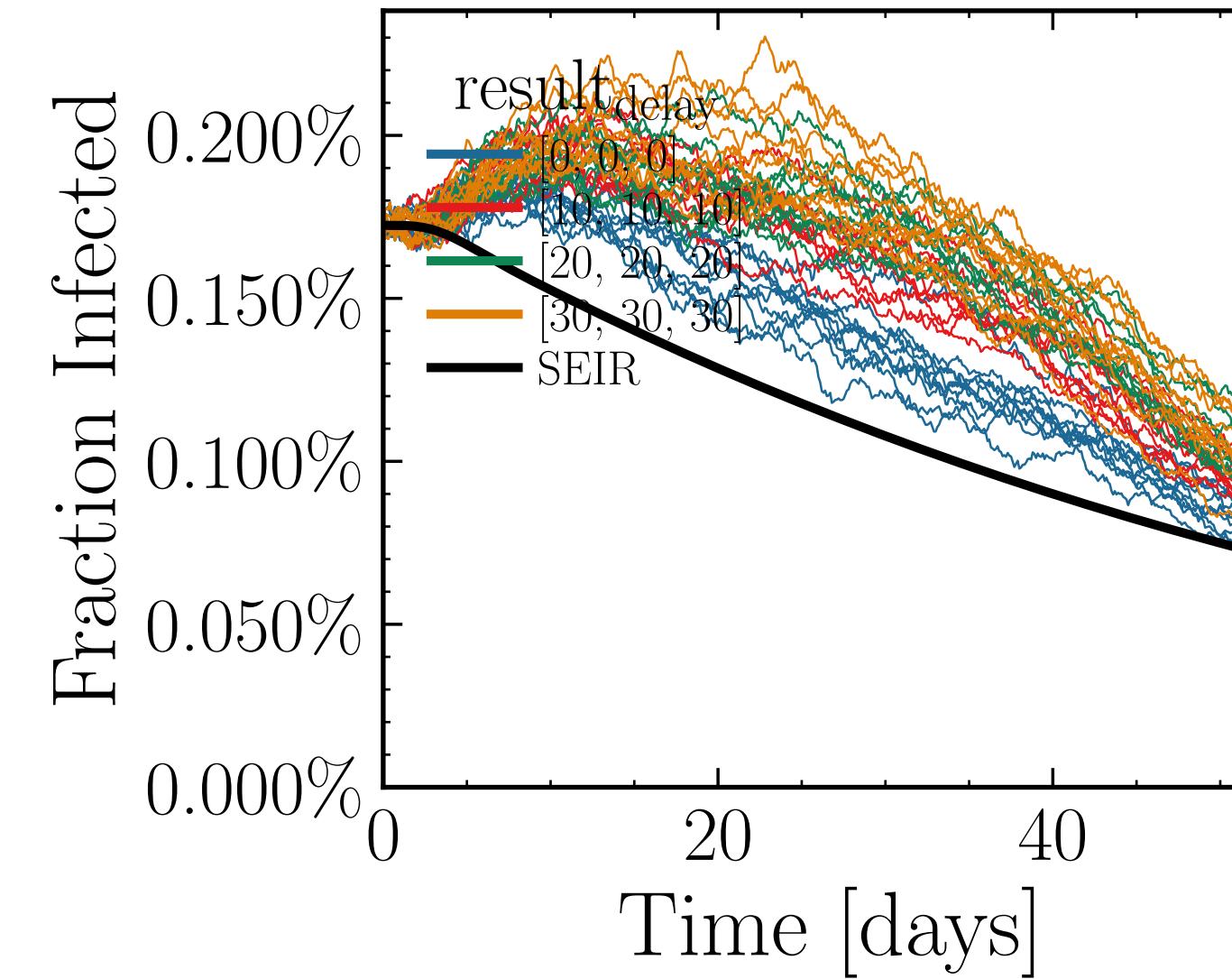


Day: 20, a=0.0012 ± 0.0005
Day: 25, a=0.0029 ± 0.0006
Day: 30, a=0.0013 ± 0.0007
Day: 35, a=0.004 ± 0.001
Day: 40, a=0.005 ± 0.001

$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 18.5795$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.0116$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 2K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True, w.rand.inf. = True,  $N_{\text{connect}} = 0$ ,  $f_{\text{work/other}} = 0.7389$ ,  $N_{\text{contacts}_{\max}} = 0$   
 $N_{\text{events}} = 3.73K$ ,  $\text{event}_{\text{size}_{\max}} = 10$ ,  $\text{event}_{\text{size}_{\text{mean}}} = 4.6885$ ,  $\text{event}_{\beta_{\text{scaling}}} = 5.0$ ,  $\text{event}_{\text{weekend}_{\text{multiplier}}} = 2.0$   
do\_int. = True, int. = [3, 4, 5, 6],  $f_{\text{dailytests}} = 0.01$ , test\_delay = [0, 0, 25]  
chance\_find.inf. = [0.0, 0.15, 0.15, 0.15, 0.0], days\_look.back = 7, tracking\_delay = 10

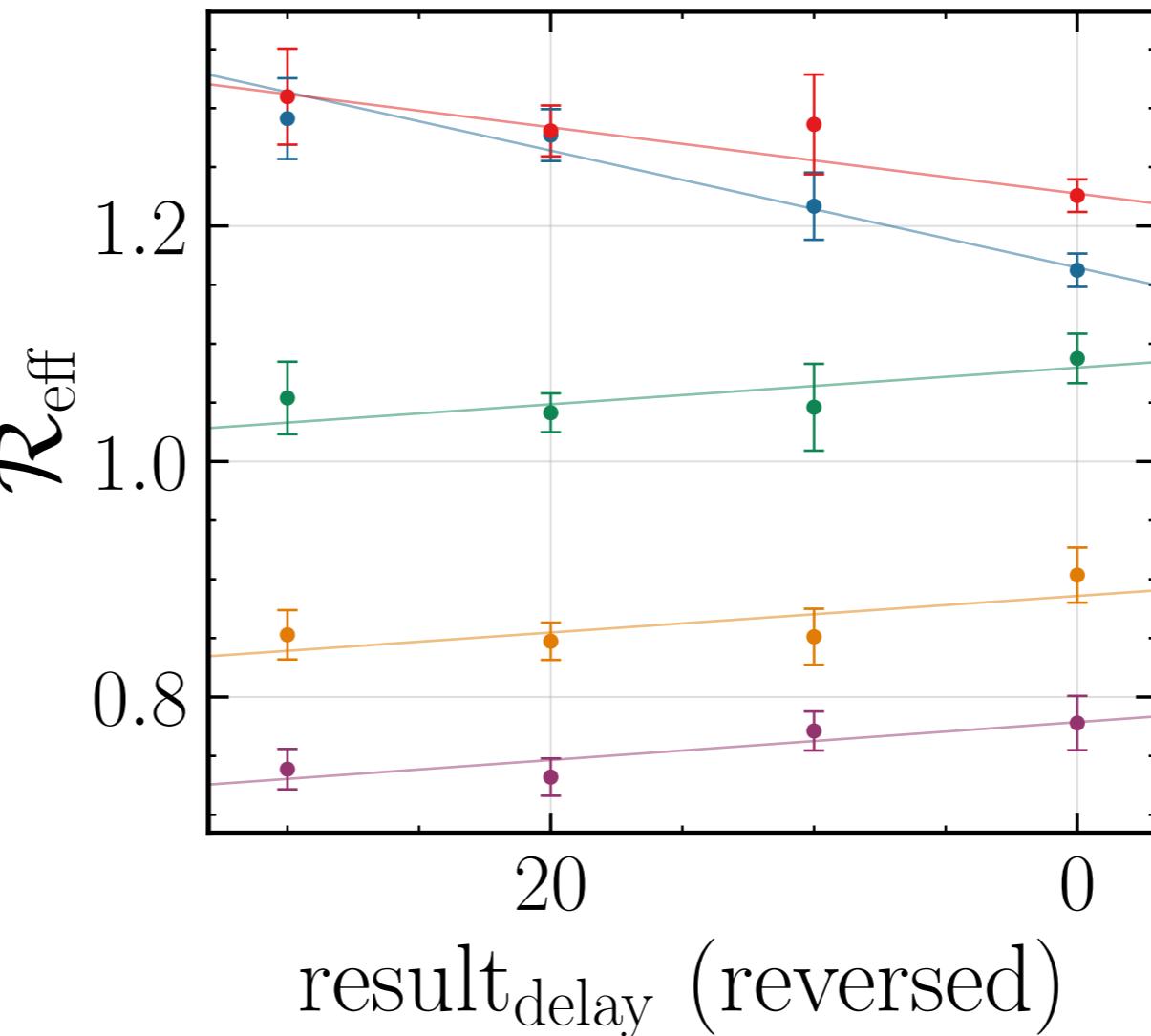
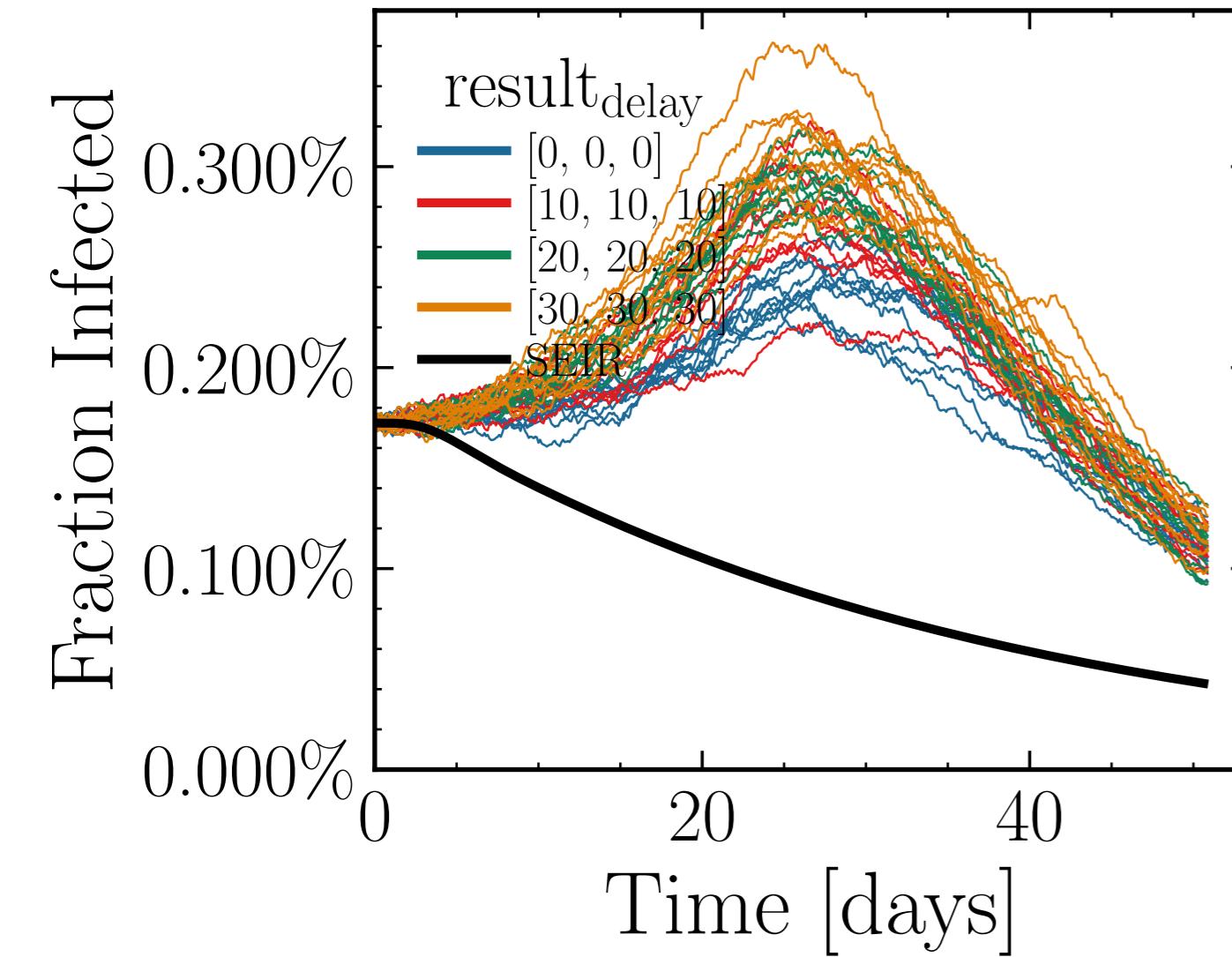


$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 18.9177$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.0119$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 2K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True, w.rand.inf. = True,  $N_{\text{connect}} = 0$ ,  $f_{\text{work/other}} = 0.7855$ ,  $N_{\text{contacts}_{\max}} = 0$   
 $N_{\text{events}} = 4.8K$ , event<sub>size<sub>max</sub></sub> = 10, event<sub>size<sub>mean</sub></sub> = 3.8752, event <sub>$\beta$ scaling</sub> = 5.0, event<sub>weekendmultiplier</sub> = 2.0  
do<sub>int.</sub> = True, int. = [3, 4, 5, 6], f<sub>dailytests</sub> = 0.01, test<sub>delay</sub> = [0, 0, 25]  
chance<sub>find.inf.</sub> = [0.0, 0.15, 0.15, 0.15, 0.0], days<sub>look.back</sub> = 7, tracking<sub>delay</sub> = 10



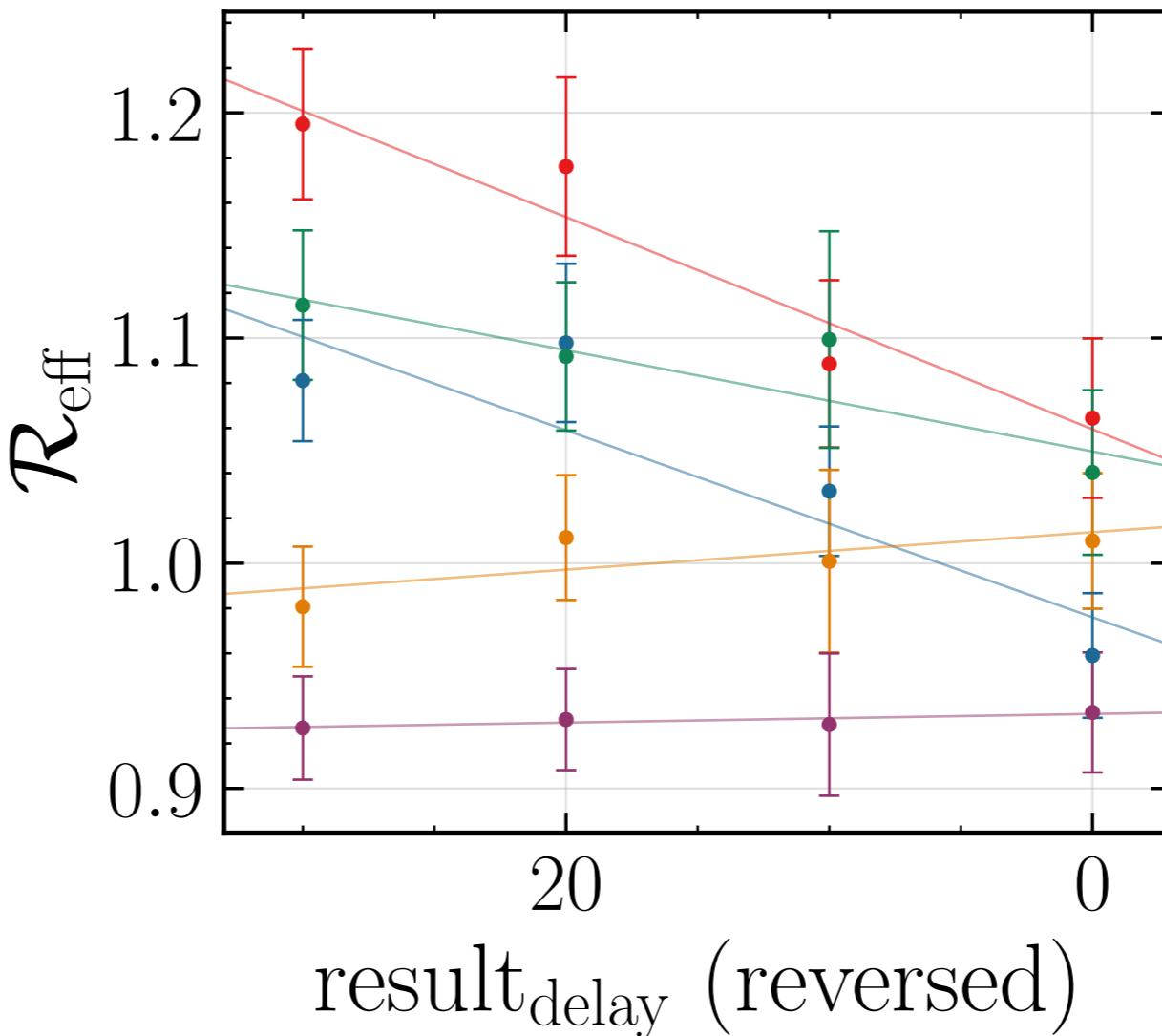
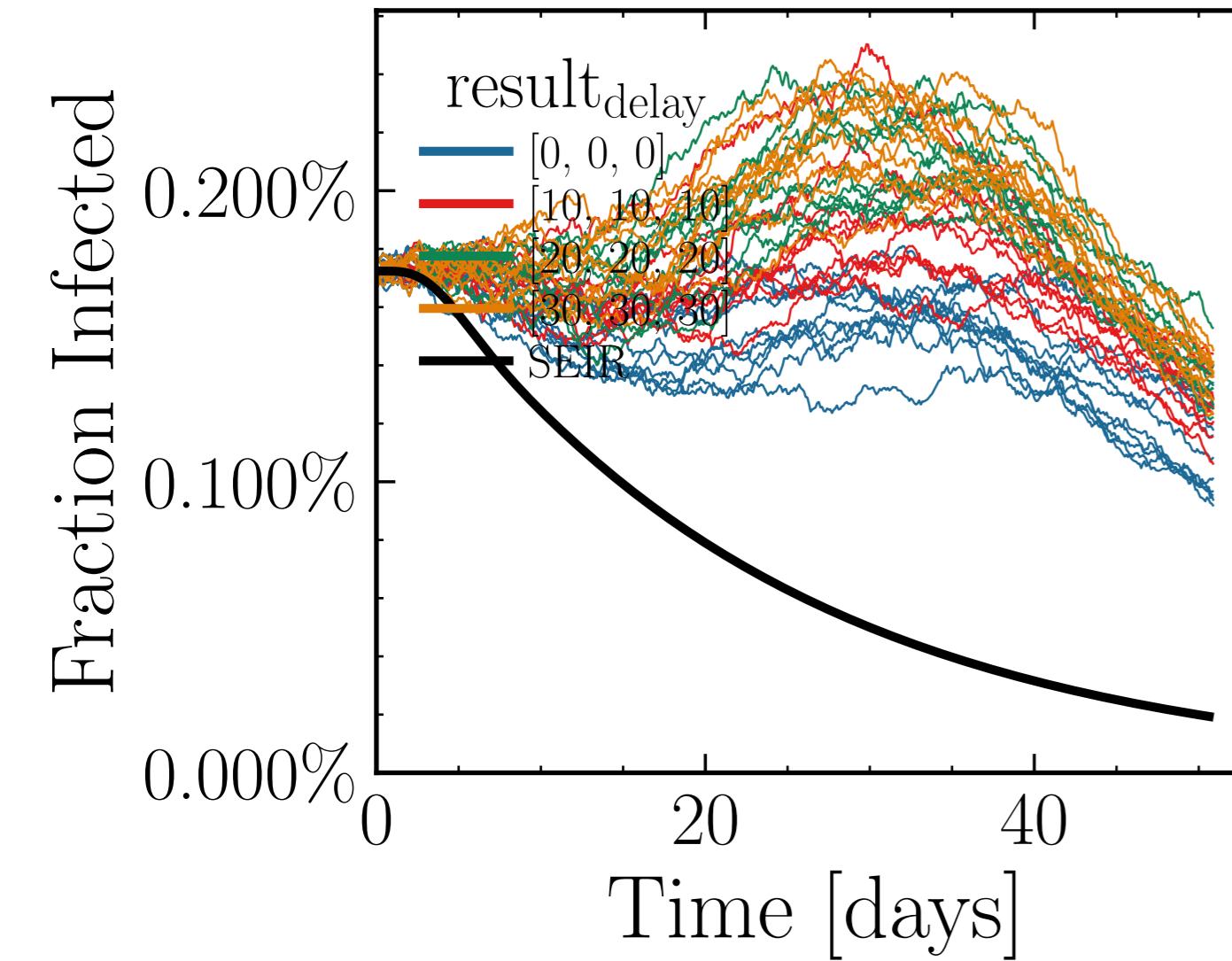
Day: 20,  $a=0.0030 \pm 0.0008$   
 Day: 25,  $a=0.003 \pm 0.001$   
 Day: 30,  $a=0.002 \pm 0.001$   
 Day: 35,  $a=0.001 \pm 0.001$   
 Day: 40,  $a=-0.001 \pm 0.001$

$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 16.3992$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.0127$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 2K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True, w.rand.inf. = True,  $N_{\text{connect}} = 0$ ,  $f_{\text{work/other}} = 0.4573$ ,  $N_{\text{contacts}_{\max}} = 0$   
 $N_{\text{events}} = 1.8K$ , event<sub>size<sub>max</sub></sub> = 10, event<sub>size<sub>mean</sub></sub> = 3.2365, event <sub>$\beta$ scaling</sub> = 5.0, event<sub>weekendmultiplier</sub> = 2.0  
do<sub>int.</sub> = True, int. = [3, 4, 5, 6],  $f_{\text{dailytests}} = 0.01$ , test<sub>delay</sub> = [0, 0, 25]  
chance<sub>find.inf.</sub> = [0.0, 0.15, 0.15, 0.15, 0.0], days<sub>look.back</sub> = 7, tracking<sub>delay</sub> = 10



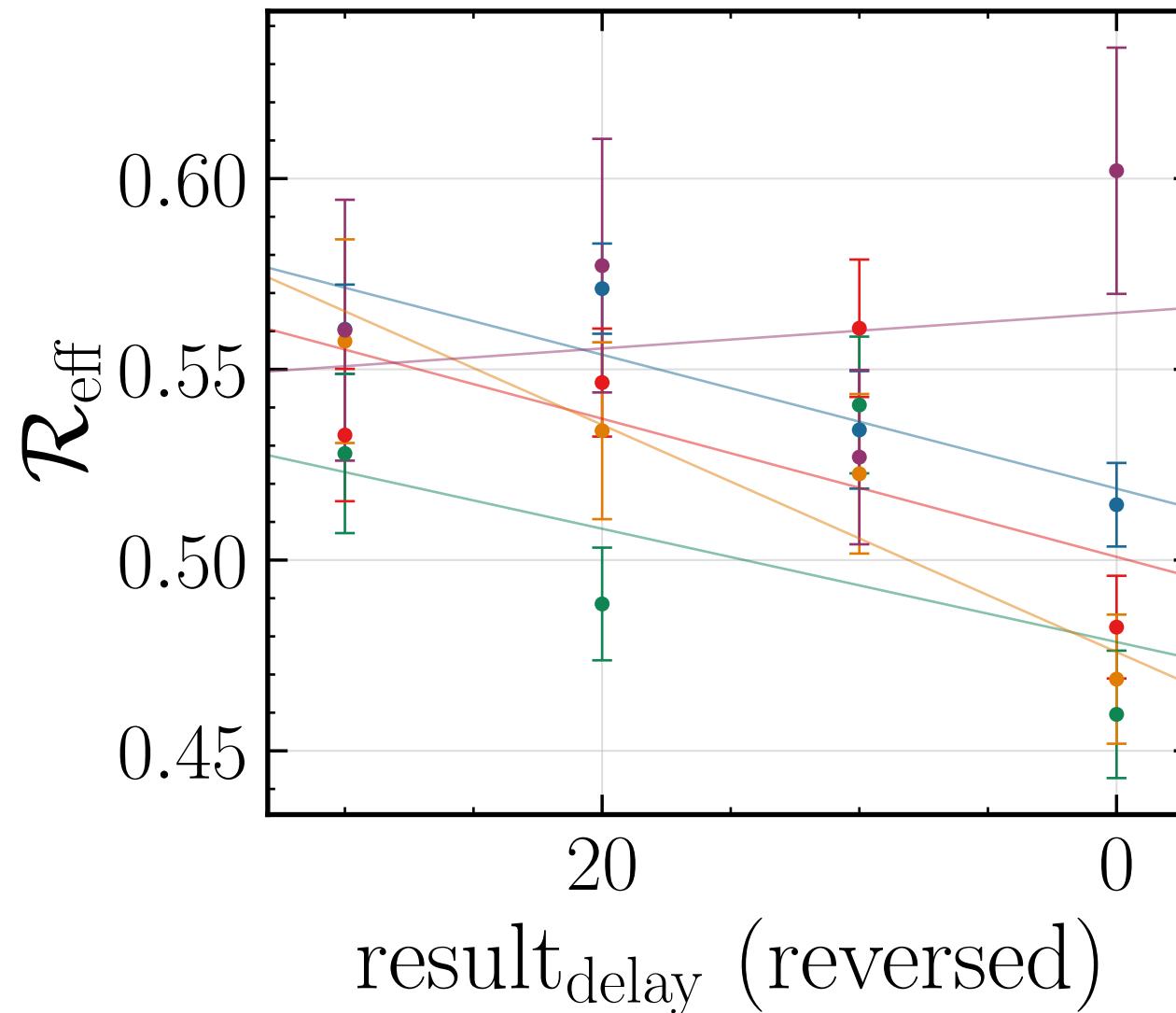
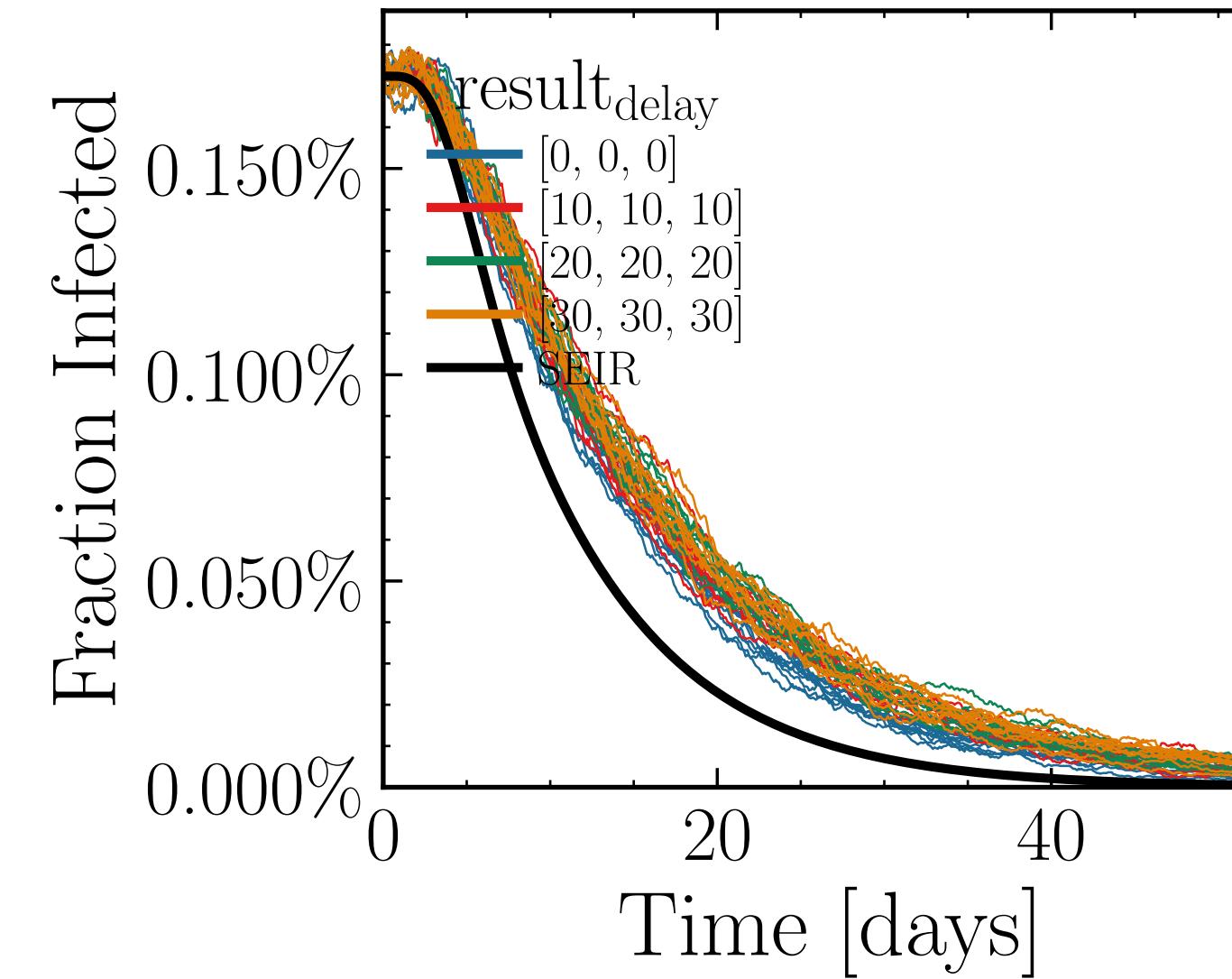
Day	$a$	error
20	$0.005 \pm 0.001$	$\pm 0.001$
25	$0.003 \pm 0.001$	$\pm 0.001$
30	$-0.002 \pm 0.001$	$\pm 0.001$
35	$-0.002 \pm 0.001$	$\pm 0.001$
40	$-0.0016 \pm 0.0009$	$\pm 0.0009$

$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 14.736$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.0126$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 2K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True, w.rand.inf. = True,  $N_{\text{connect}} = 0$ ,  $f_{\text{work/other}} = 0.4745$ ,  $N_{\text{contacts}_{\max}} = 0$   
 $N_{\text{events}} = 1.64K$ ,  $\text{event}_{\text{size}_{\max}} = 10$ ,  $\text{event}_{\text{size}_{\text{mean}}} = 3.2118$ ,  $\text{event}_{\beta_{\text{scaling}}} = 5.0$ ,  $\text{event}_{\text{weekendmultiplier}} = 2.0$   
do\_int. = True, int. = [3, 4, 5, 6],  $f_{\text{dailytests}} = 0.01$ , test\_delay = [0, 0, 25]  
chance\_find.inf. = [0.0, 0.15, 0.15, 0.15, 0.0], days\_look.back = 7, tracking\_delay = 10

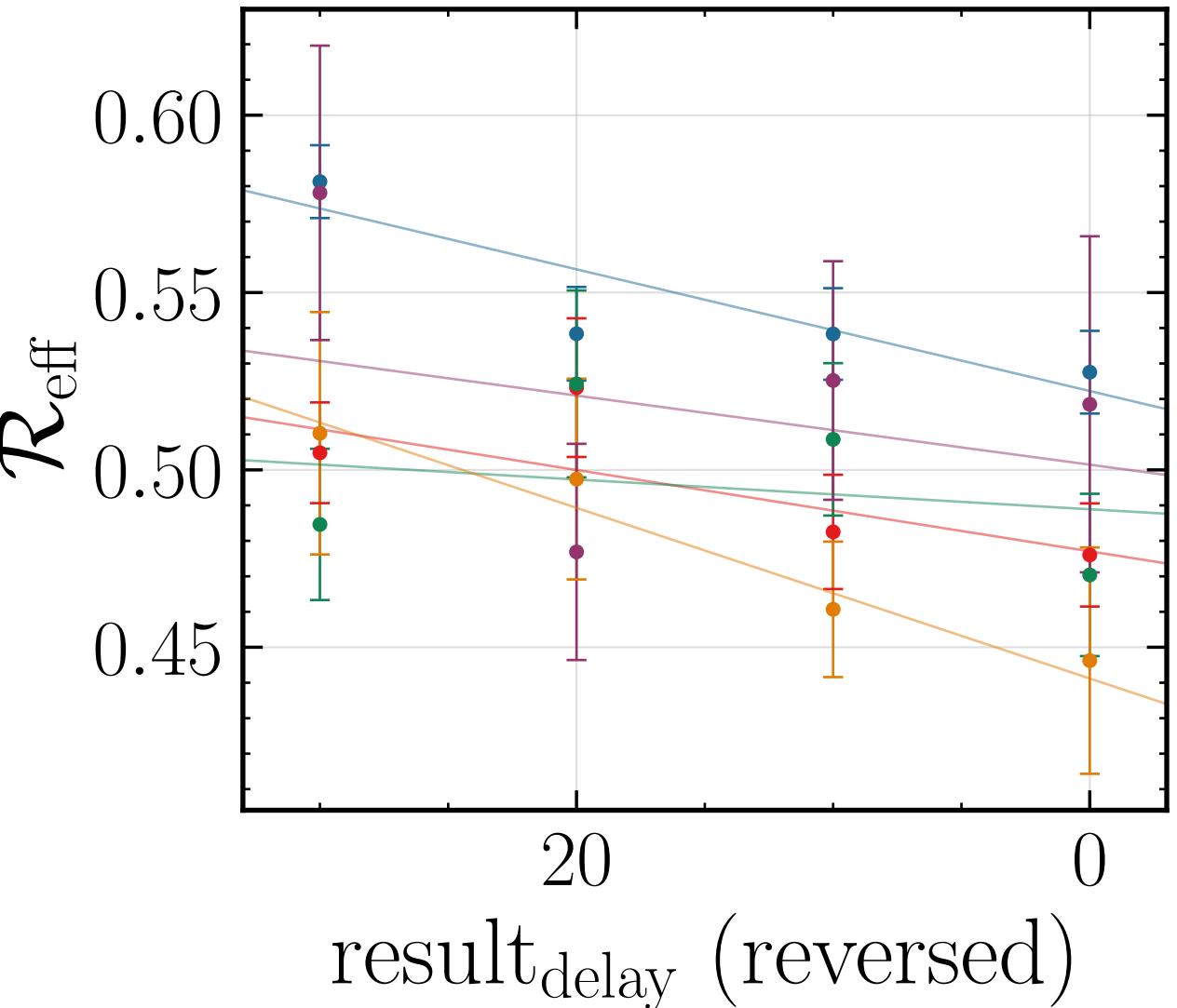
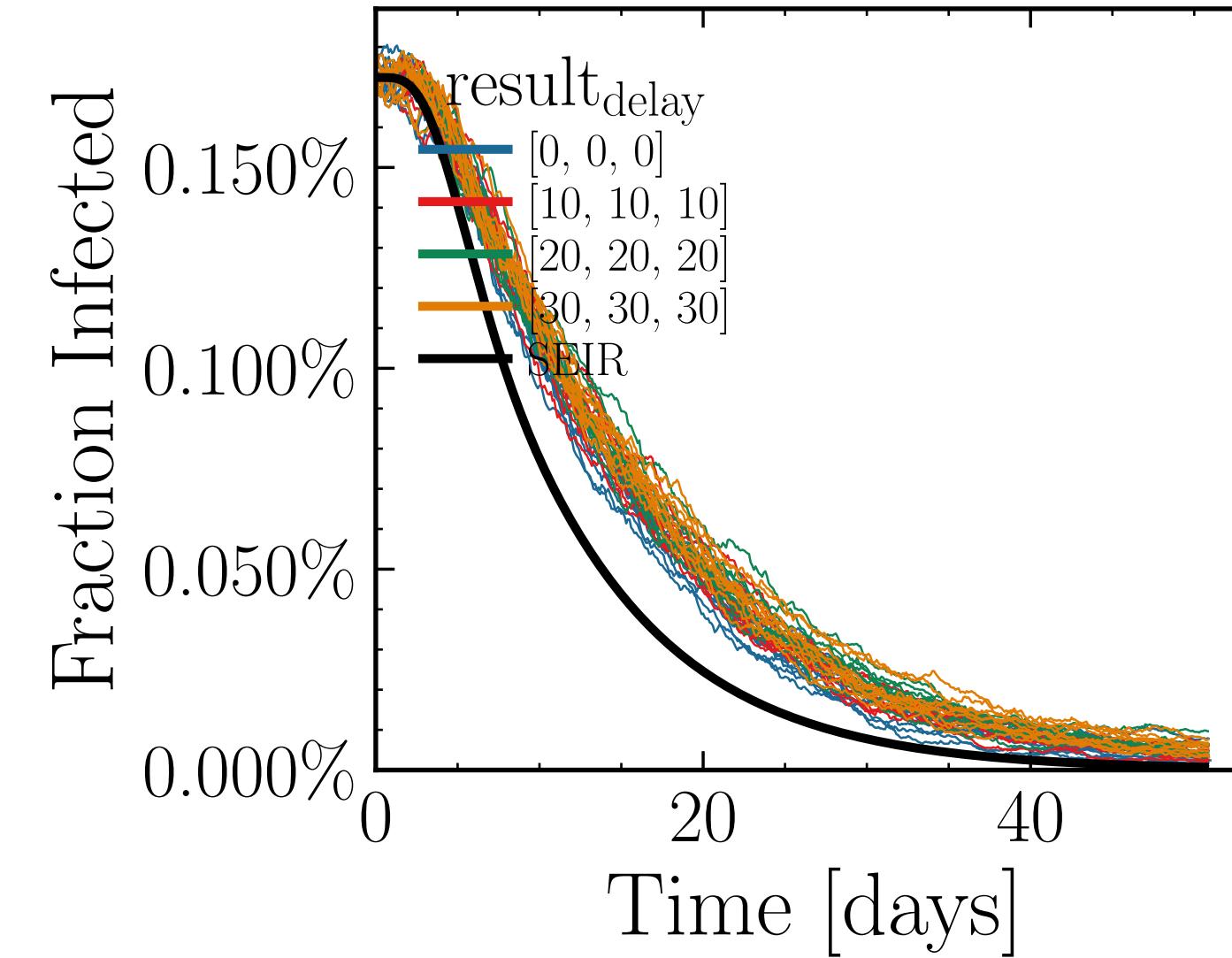


Day: 20, $a=0.004 \pm 0.001$
Day: 25, $a=0.005 \pm 0.002$
Day: 30, $a=0.002 \pm 0.002$
Day: 35, $a=-0.001 \pm 0.001$
Day: 40, $a=0.000 \pm 0.001$

$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 10.1879$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.0107$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 2K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True, w.rand.inf. = True,  $N_{\text{connect}} = 0$ ,  $f_{\text{work/other}} = 0.6471$ ,  $N_{\text{contacts}_{\max}} = 0$   
 $N_{\text{events}} = 3.93K$ ,  $\text{event}_{\text{size}_{\max}} = 10$ ,  $\text{event}_{\text{size}_{\text{mean}}} = 4.1369$ ,  $\text{event}_{\beta_{\text{scaling}}} = 5.0$ ,  $\text{event}_{\text{weekend}_{\text{multiplier}}} = 2.0$   
do\_int. = True, int. = [3, 4, 5, 6],  $f_{\text{dailytests}} = 0.01$ , test\_delay = [0, 0, 25]  
chance\_fnd.inf. = [0.0, 0.15, 0.15, 0.15, 0.0], days\_look.back = 7, tracking\_delay = 10

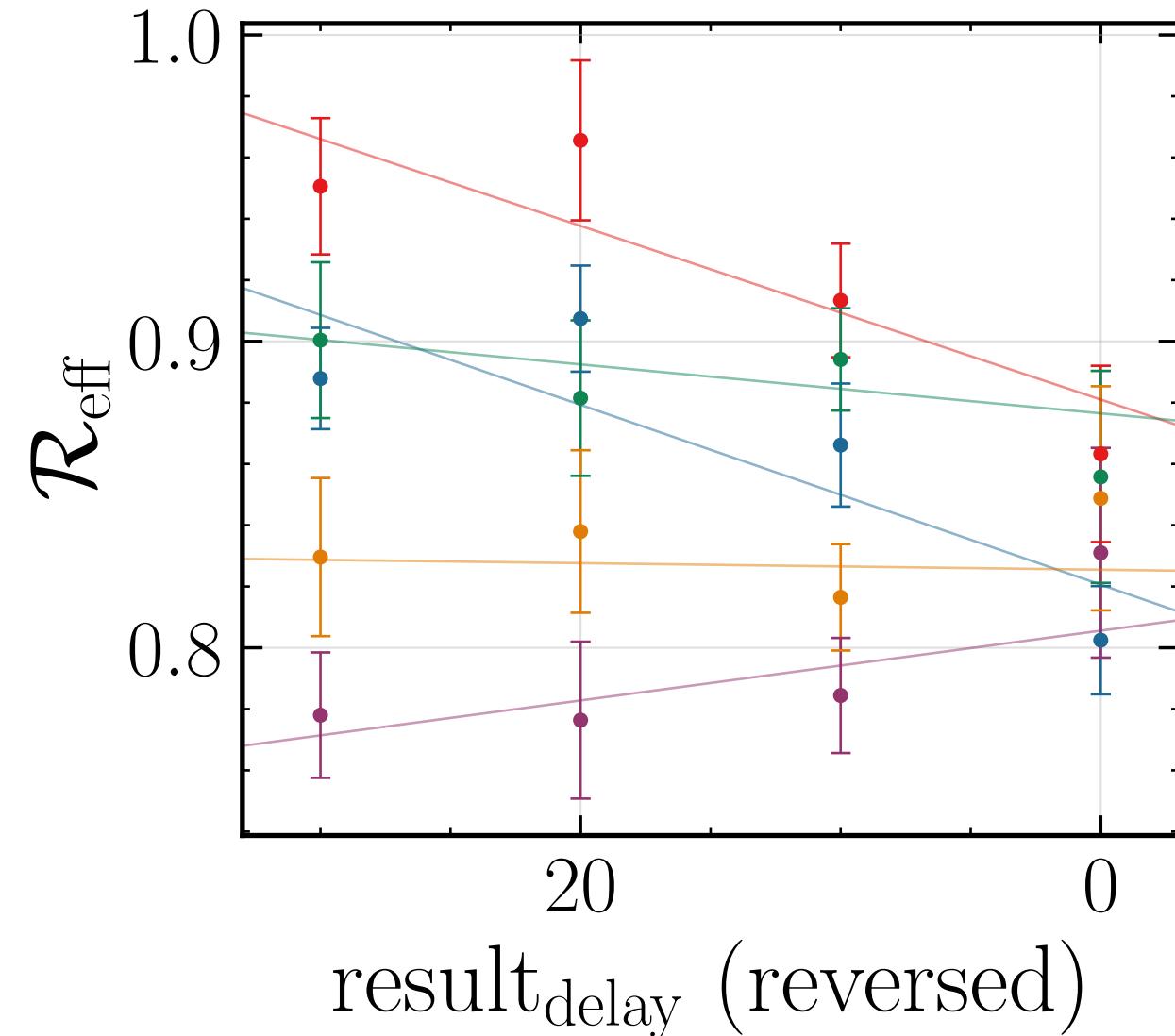
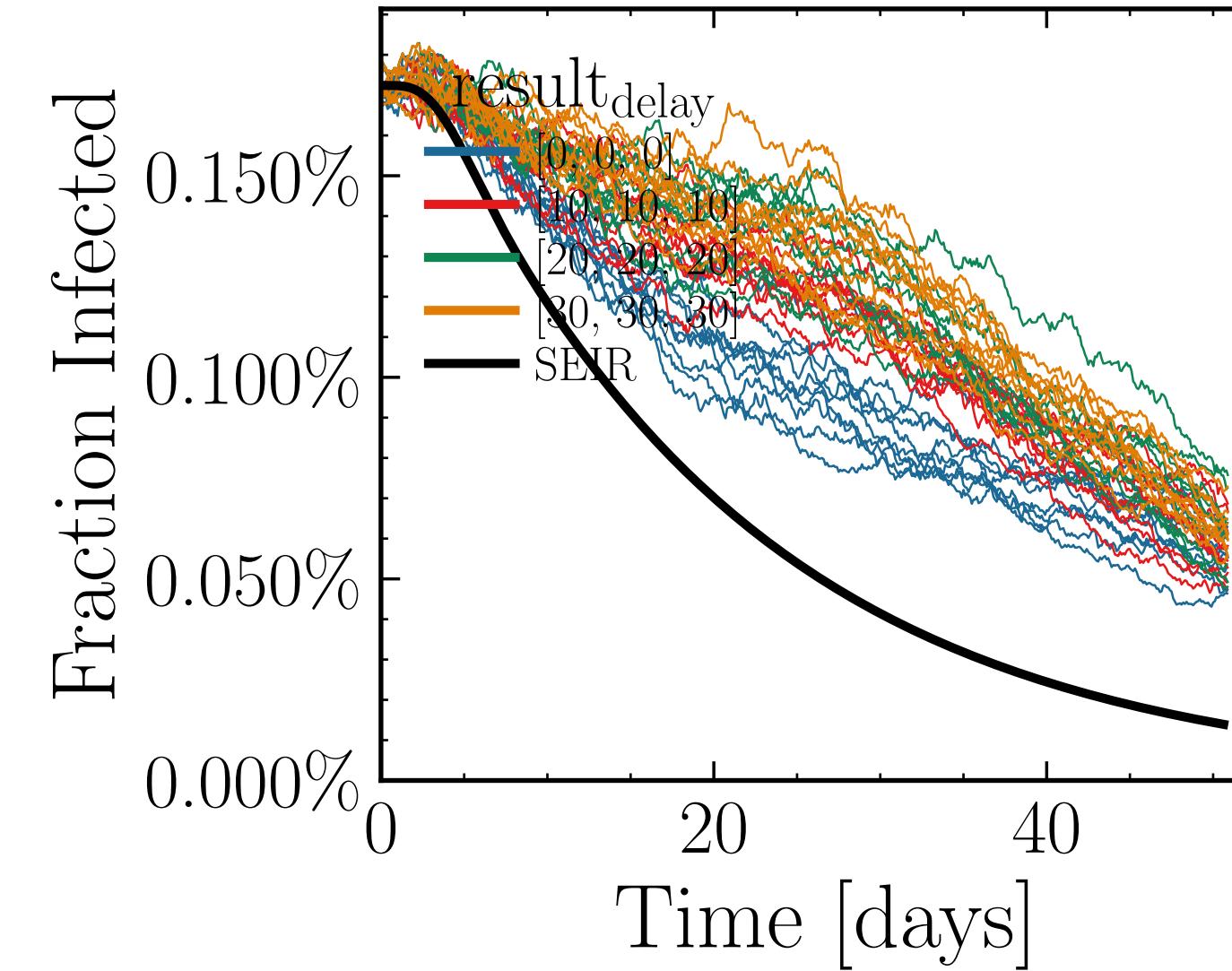


$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 10.6023$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.0106$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 2K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True, w.rand.inf. = True,  $N_{\text{connect}} = 0$ ,  $f_{\text{work/other}} = 0.6667$ ,  $N_{\text{contacts}_{\max}} = 0$   
 $N_{\text{events}} = 3.59K$ ,  $\text{event}_{\text{size}_{\max}} = 10$ ,  $\text{event}_{\text{size}_{\text{mean}}} = 4.3953$ ,  $\text{event}_{\beta_{\text{scaling}}} = 5.0$ ,  $\text{event}_{\text{weekend}_{\text{multiplier}}} = 2.0$   
do\_int. = True, int. = [3, 4, 5, 6],  $f_{\text{dailytests}} = 0.01$ , test\_delay = [0, 0, 25]  
chance\_fnd.inf. = [0.0, 0.15, 0.15, 0.15, 0.0], days\_look.back = 7, tracking\_delay = 10



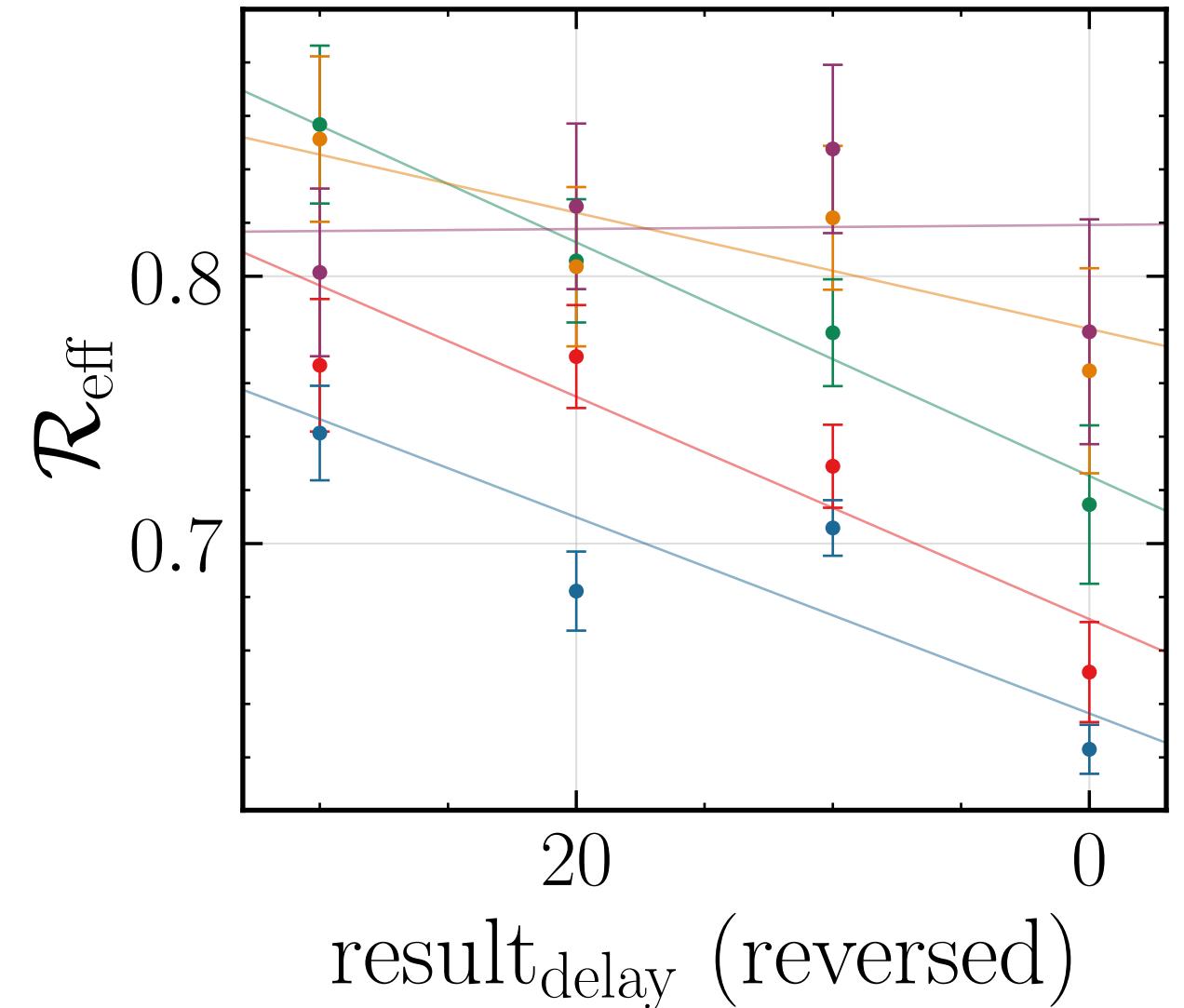
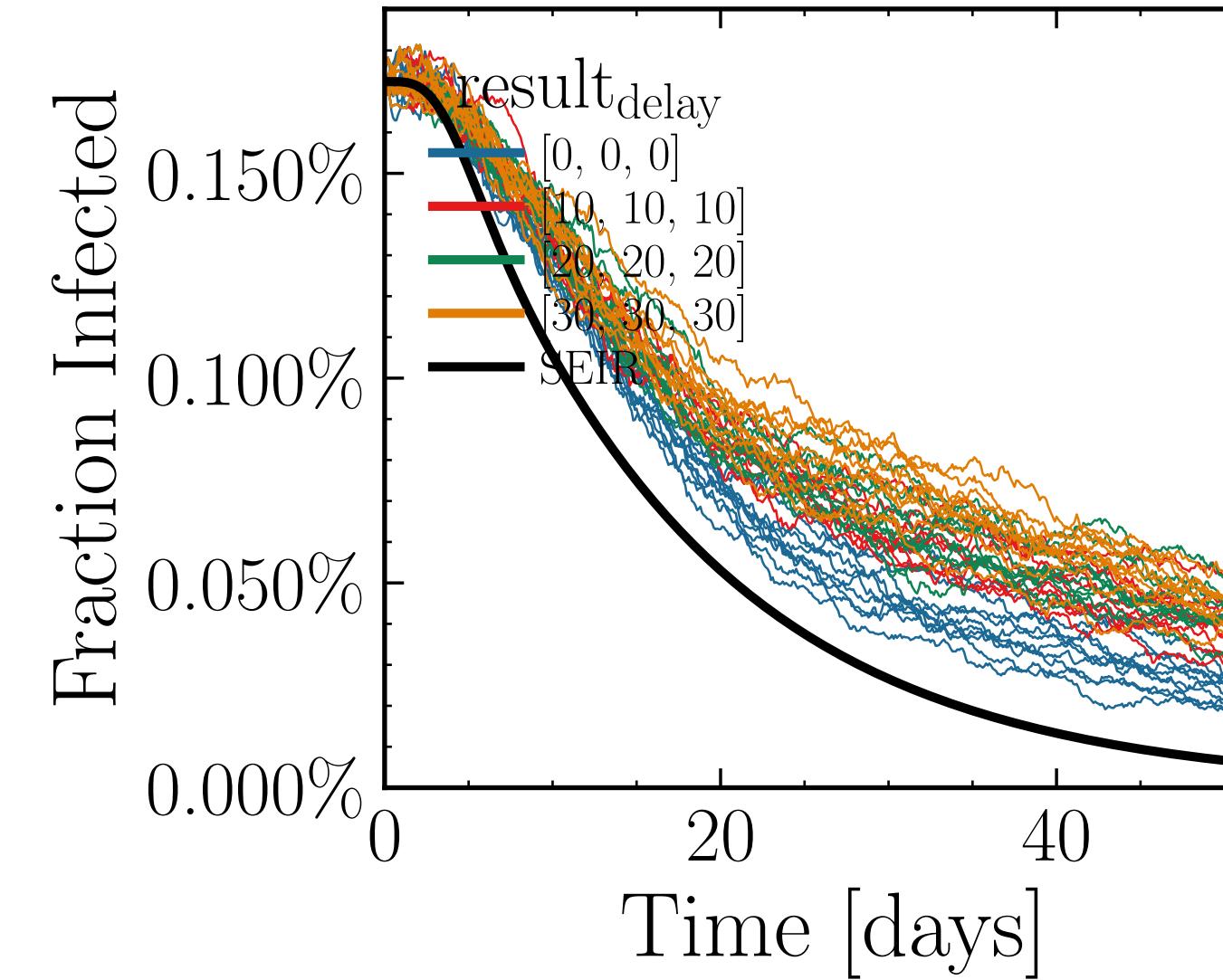
- Day: 20,  $a=0.0017 \pm 0.0005$
- Day: 25,  $a=0.0011 \pm 0.0007$
- Day: 30,  $a=0.000 \pm 0.001$
- Day: 35,  $a=0.002 \pm 0.001$
- Day: 40,  $a=0.001 \pm 0.002$

$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 19.026$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.0093$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 2K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True, w.rand.inf. = True,  $N_{\text{connect}}^{\text{connect}} = 0$ ,  $f_{\text{work/other}} = 0.58$ ,  $N_{\text{contacts}_{\max}} = 0$   
 $N_{\text{events}} = 4.62K$ , event<sub>size<sub>max</sub></sub> = 10, event<sub>size<sub>mean</sub></sub> = 3.773, event <sub>$\beta$ scaling</sub> = 5.0, event<sub>weekendmultiplier</sub> = 2.0  
do<sub>int.</sub> = True, int. = [3, 4, 5, 6], f<sub>dailytests</sub> = 0.01, test<sub>delay</sub> = [0, 0, 25]  
chance<sub>find.inf.</sub> = [0.0, 0.15, 0.15, 0.15, 0.0], days<sub>look.back</sub> = 7, tracking<sub>delay</sub> = 10



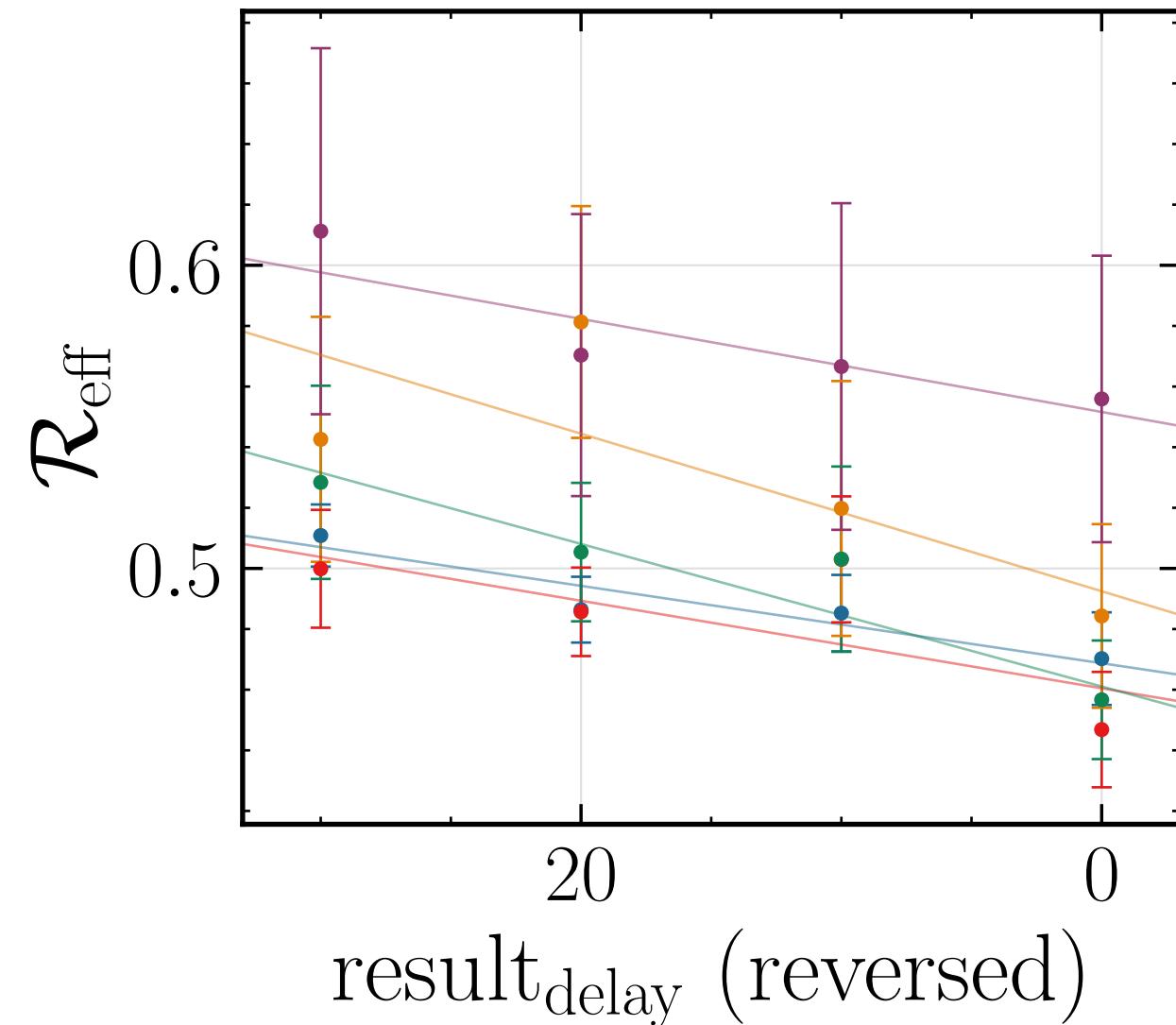
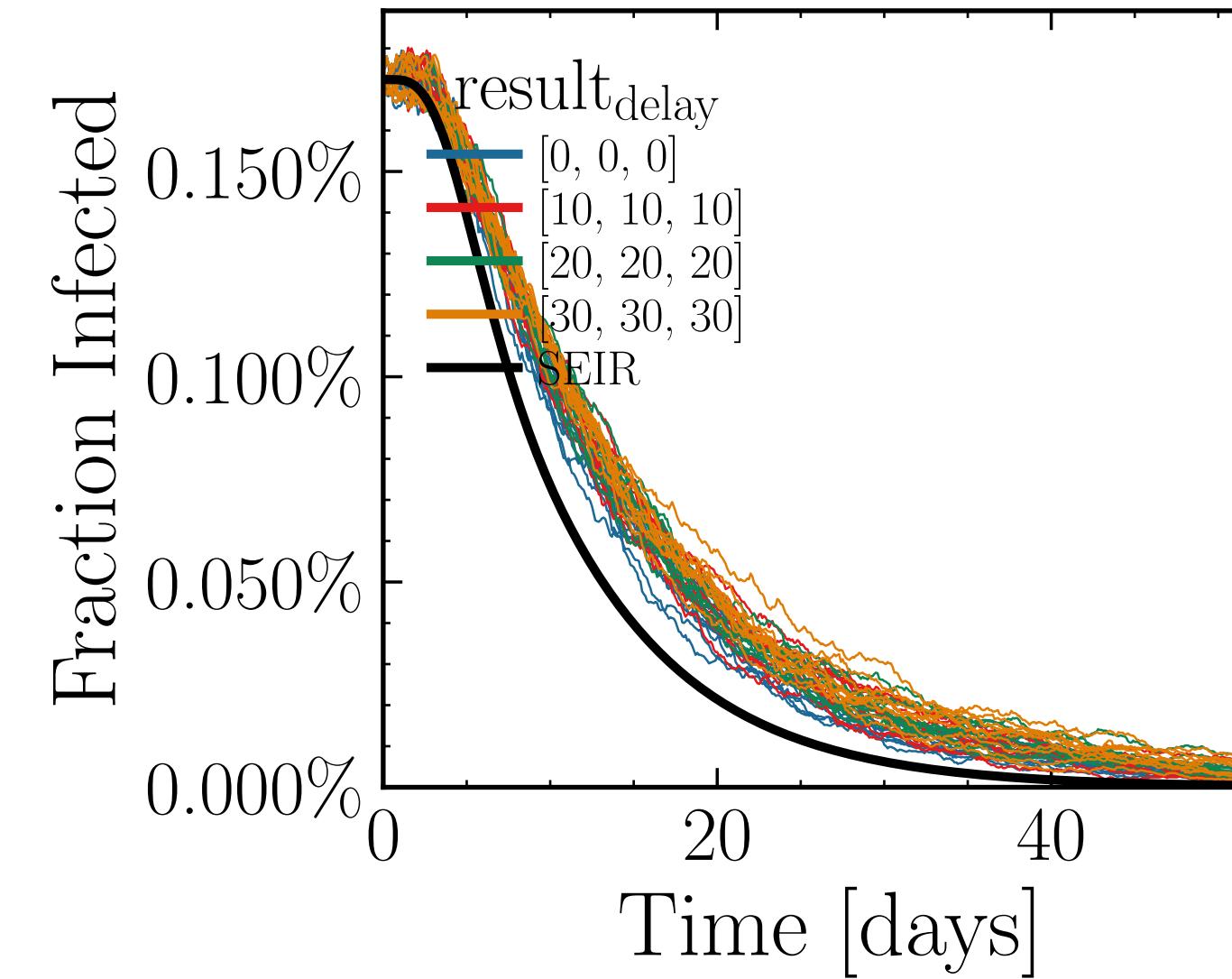
Day: 20, a=0.0029 ± 0.0008  
 Day: 25, a=0.003 ± 0.001  
 Day: 30, a=0.001 ± 0.001  
 Day: 35, a=0.000 ± 0.001  
 Day: 40, a=-0.001 ± 0.001

$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 17.5069$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.009$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 2K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True, w.rand.inf. = True,  $N_{\text{connect}} = 0$ ,  $f_{\text{work/other}} = 0.6431$ ,  $N_{\text{contacts}_{\max}} = 0$   
 $N_{\text{events}} = 4.19K$ ,  $\text{event}_{\text{size}_{\max}} = 10$ ,  $\text{event}_{\text{size}_{\text{mean}}} = 3.7163$ ,  $\text{event}_{\beta_{\text{scaling}}} = 5.0$ ,  $\text{event}_{\text{weekend}_{\text{multiplier}}} = 2.0$   
do\_int. = True, int. = [3, 4, 5, 6],  $f_{\text{dailytests}} = 0.01$ , test\_delay = [0, 0, 25]  
chance\_fnd.inf. = [0.0, 0.15, 0.15, 0.15, 0.0], days\_look.back = 7, tracking\_delay = 10



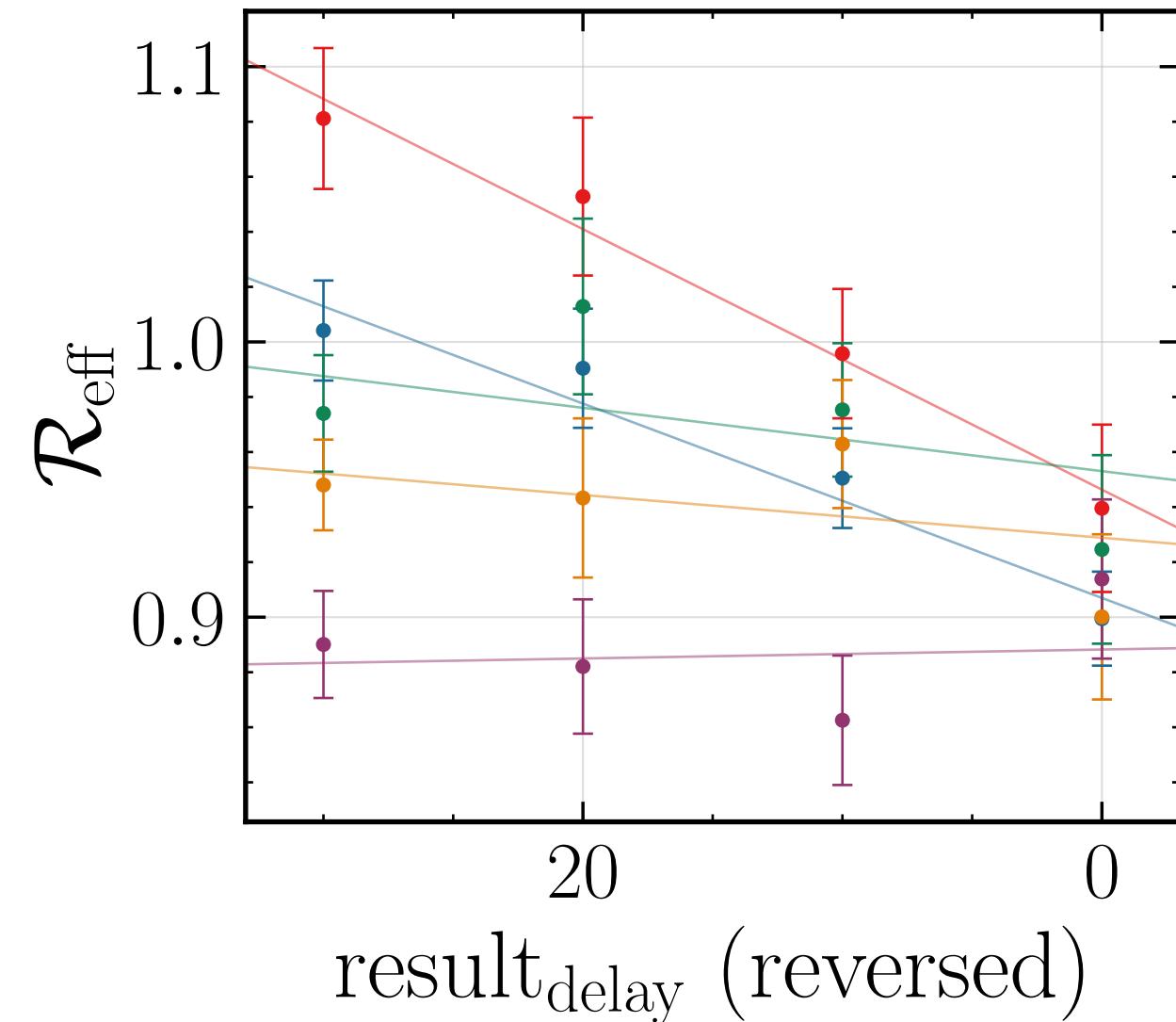
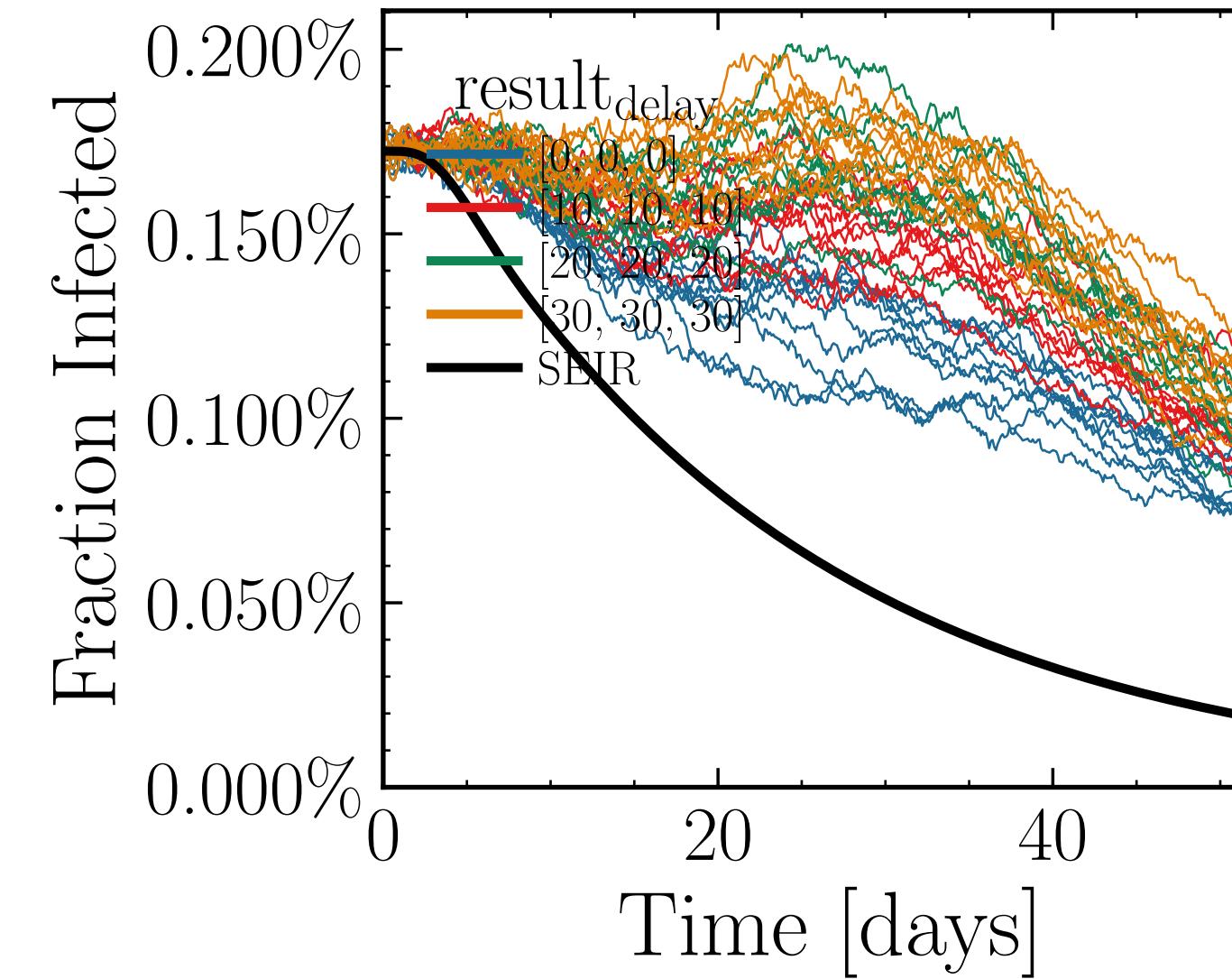
Day: 20,  $a=0.0037 \pm 0.0006$   
 Day: 25,  $a=0.0042 \pm 0.0009$   
 Day: 30,  $a=0.004 \pm 0.001$   
 Day: 35,  $a=0.002 \pm 0.001$   
 Day: 40,  $a=0.000 \pm 0.002$

$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 11.1038$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.0095$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 2K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True, w.rand.inf. = True,  $N_{\text{connect}} = 0$ ,  $f_{\text{work/other}} = 0.6625$ ,  $N_{\text{contacts}_{\max}} = 0$   
 $N_{\text{events}} = 2.68K$ ,  $\text{event}_{\text{size}_{\max}} = 10$ ,  $\text{event}_{\text{size}_{\text{mean}}} = 3.3179$ ,  $\text{event}_{\beta_{\text{scaling}}} = 5.0$ ,  $\text{event}_{\text{weekend}_{\text{multiplier}}} = 2.0$   
do\_int. = True, int. = [3, 4, 5, 6],  $f_{\text{dailytests}} = 0.01$ , test\_delay = [0, 0, 25]  
chance\_fnd.inf. = [0.0, 0.15, 0.15, 0.15, 0.0], days\_look.back = 7, tracking\_delay = 10

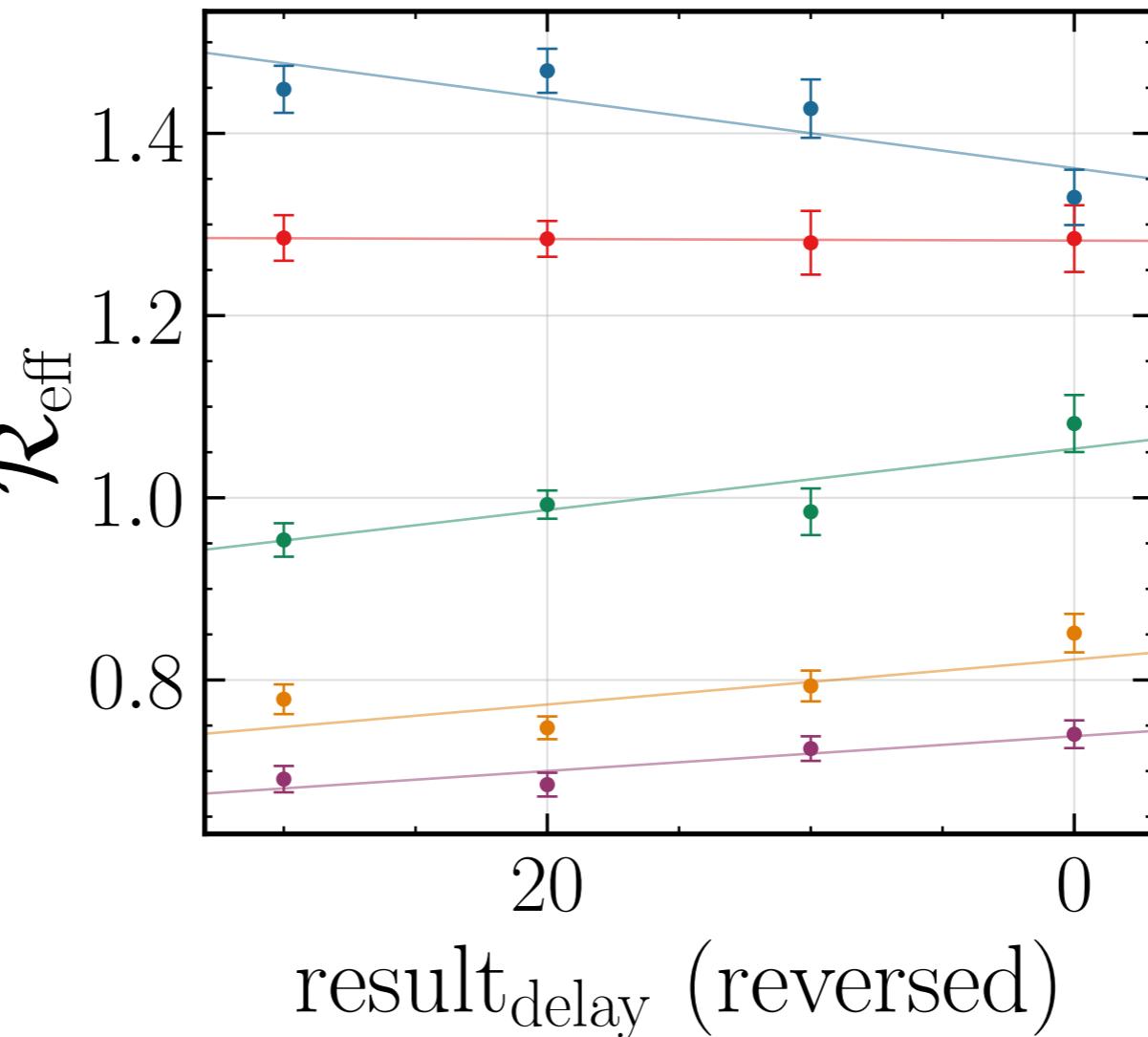
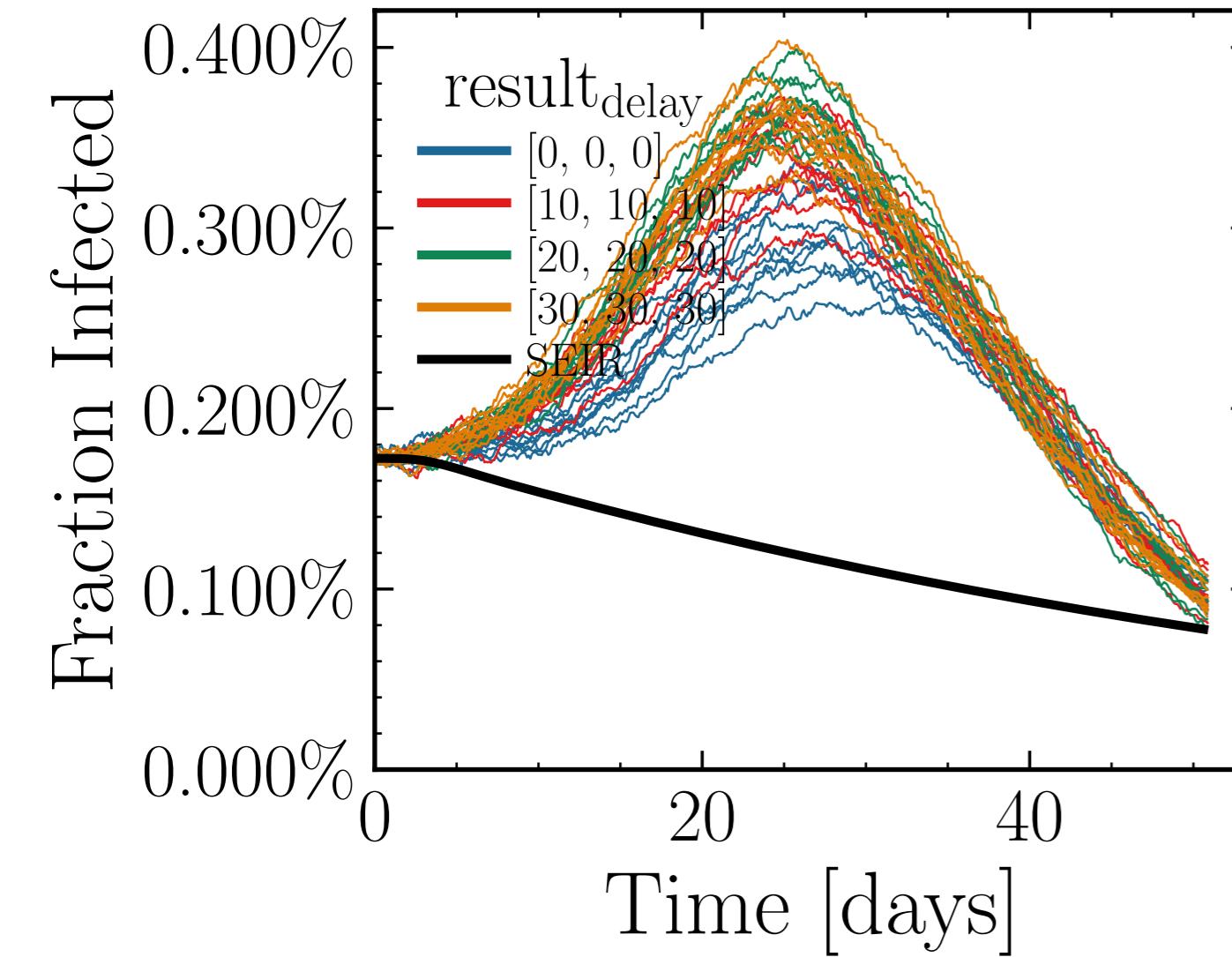


Day: 20,  $a=0.0013 \pm 0.0006$   
 Day: 25,  $a=0.0014 \pm 0.0009$   
 Day: 30,  $a=0.002 \pm 0.001$   
 Day: 35,  $a=0.003 \pm 0.002$   
 Day: 40,  $a=0.002 \pm 0.002$

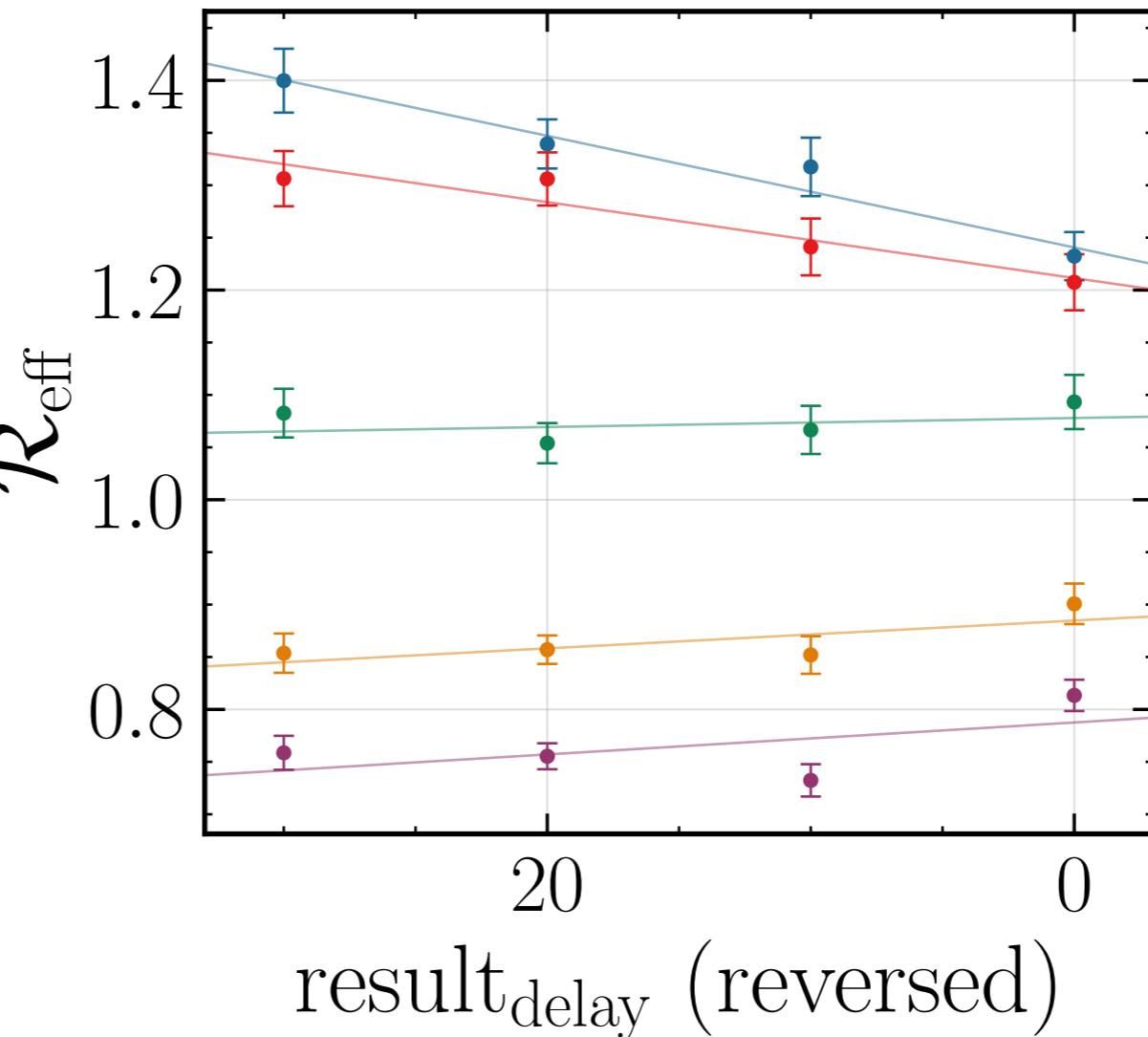
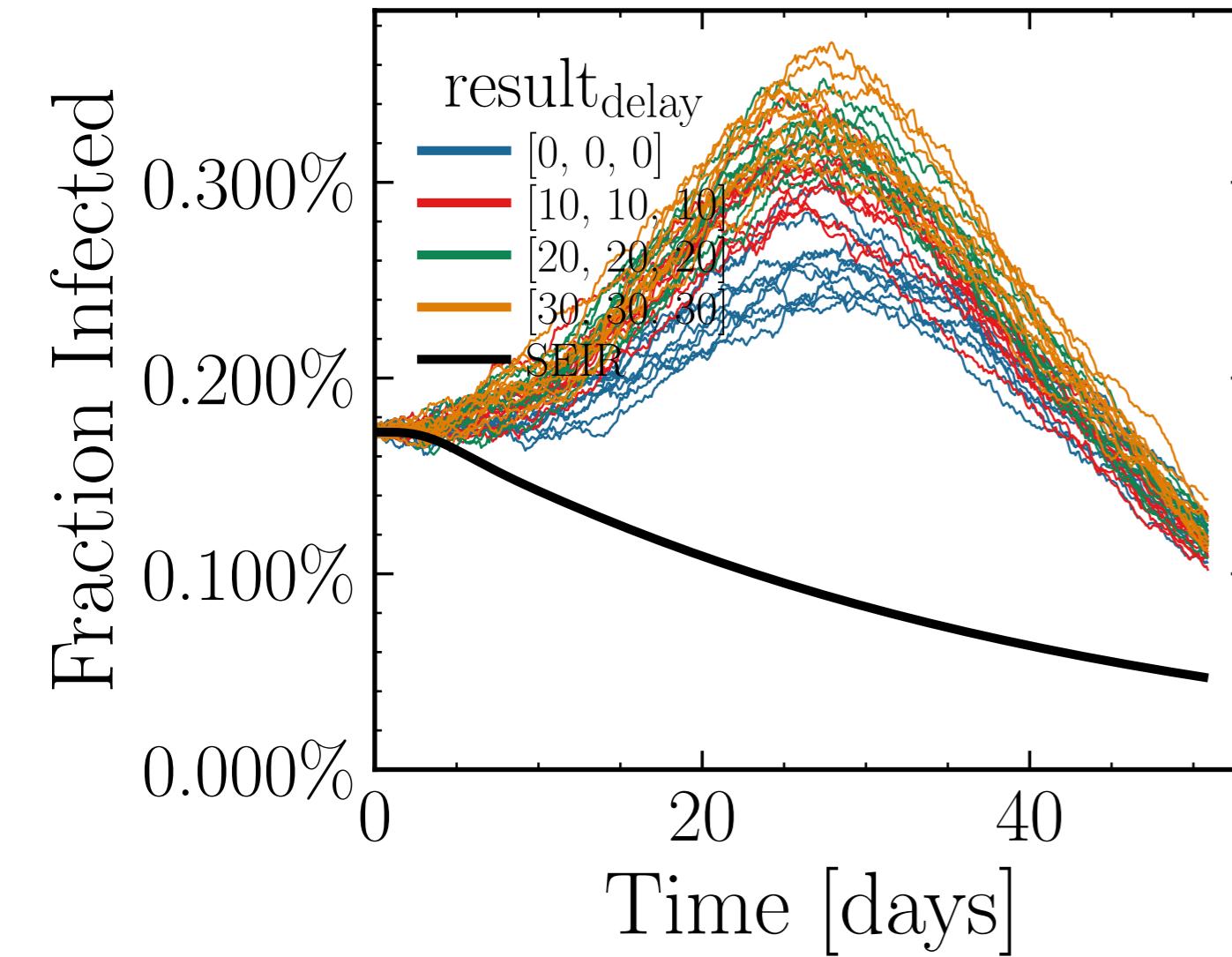
$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 15.8185$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.0118$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 2K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True, w.rand.inf. = True,  $N_{\text{connect}} = 0$ ,  $f_{\text{work/other}} = 0.5657$ ,  $N_{\text{contacts}_{\max}} = 0$   
 $N_{\text{events}} = 1.64K$ ,  $\text{event}_{\text{size}_{\max}} = 10$ ,  $\text{event}_{\text{size}_{\text{mean}}} = 4.9906$ ,  $\text{event}_{\beta_{\text{scaling}}} = 5.0$ ,  $\text{event}_{\text{weekend}_{\text{multiplier}}} = 2.0$   
do\_int. = True, int. = [3, 4, 5, 6],  $f_{\text{dailytests}} = 0.01$ , test\_delay = [0, 0, 25]  
chance\_fnd.inf. = [0.0, 0.15, 0.15, 0.15, 0.0], days\_look.back = 7, tracking\_delay = 10



$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 19.8837$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.0114$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 2K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True, w.rand.inf. = True,  $N_{\text{connect}} = 0$ ,  $f_{\text{work/other}} = 0.4408$ ,  $N_{\text{contacts}_{\max}} = 0$   
 $N_{\text{events}} = 3.96K$ ,  $\text{event}_{\text{size}_{\max}} = 10$ ,  $\text{event}_{\text{size}_{\text{mean}}} = 3.8772$ ,  $\text{event}_{\beta_{\text{scaling}}} = 5.0$ ,  $\text{event}_{\text{weekend}_{\text{multiplier}}} = 2.0$   
do\_int. = True, int. = [3, 4, 5, 6],  $f_{\text{dailytests}} = 0.01$ , test\_delay = [0, 0, 25]  
chance\_find.inf. = [0.0, 0.15, 0.15, 0.15, 0.0], days\_look.back = 7, tracking\_delay = 10

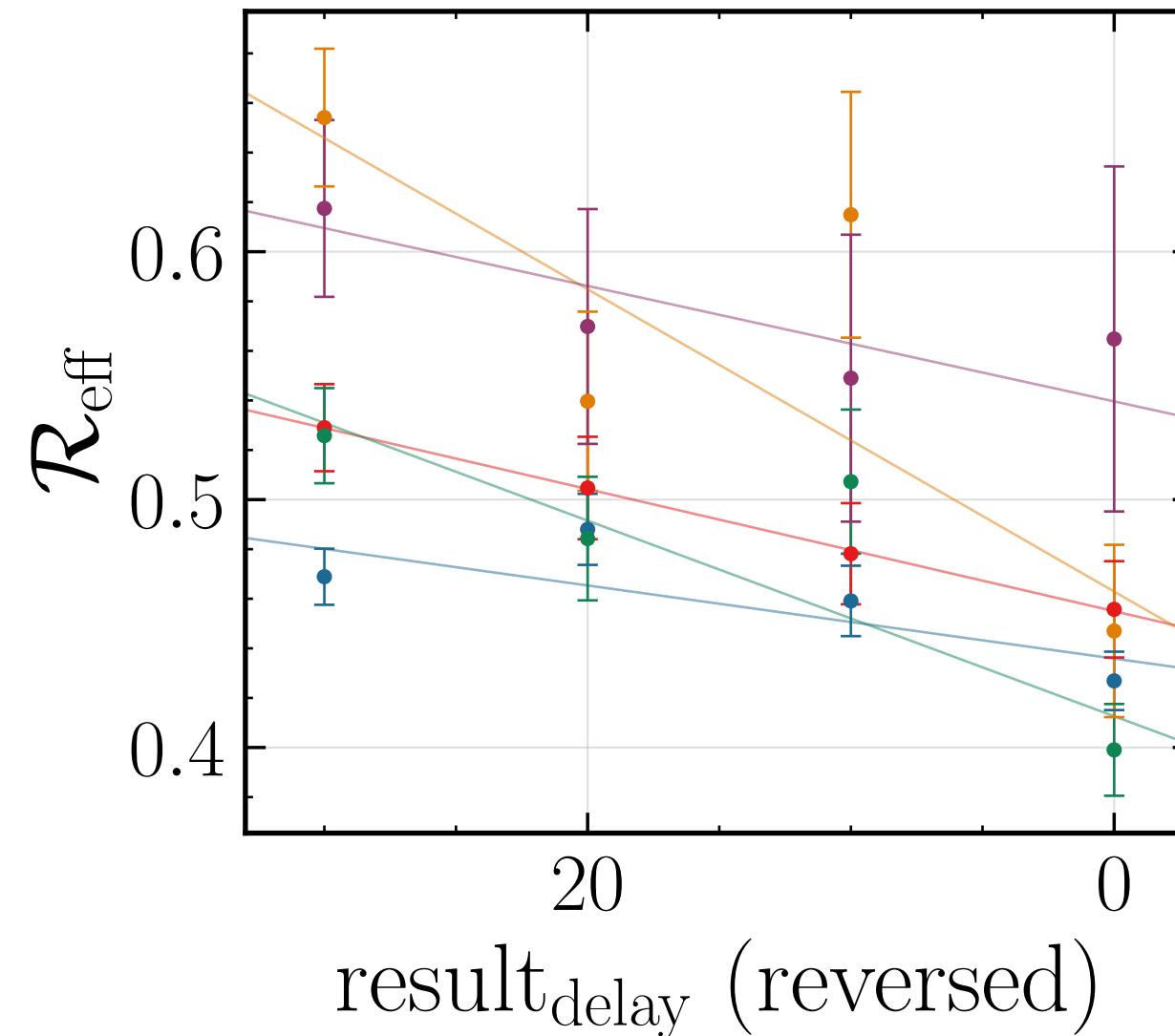
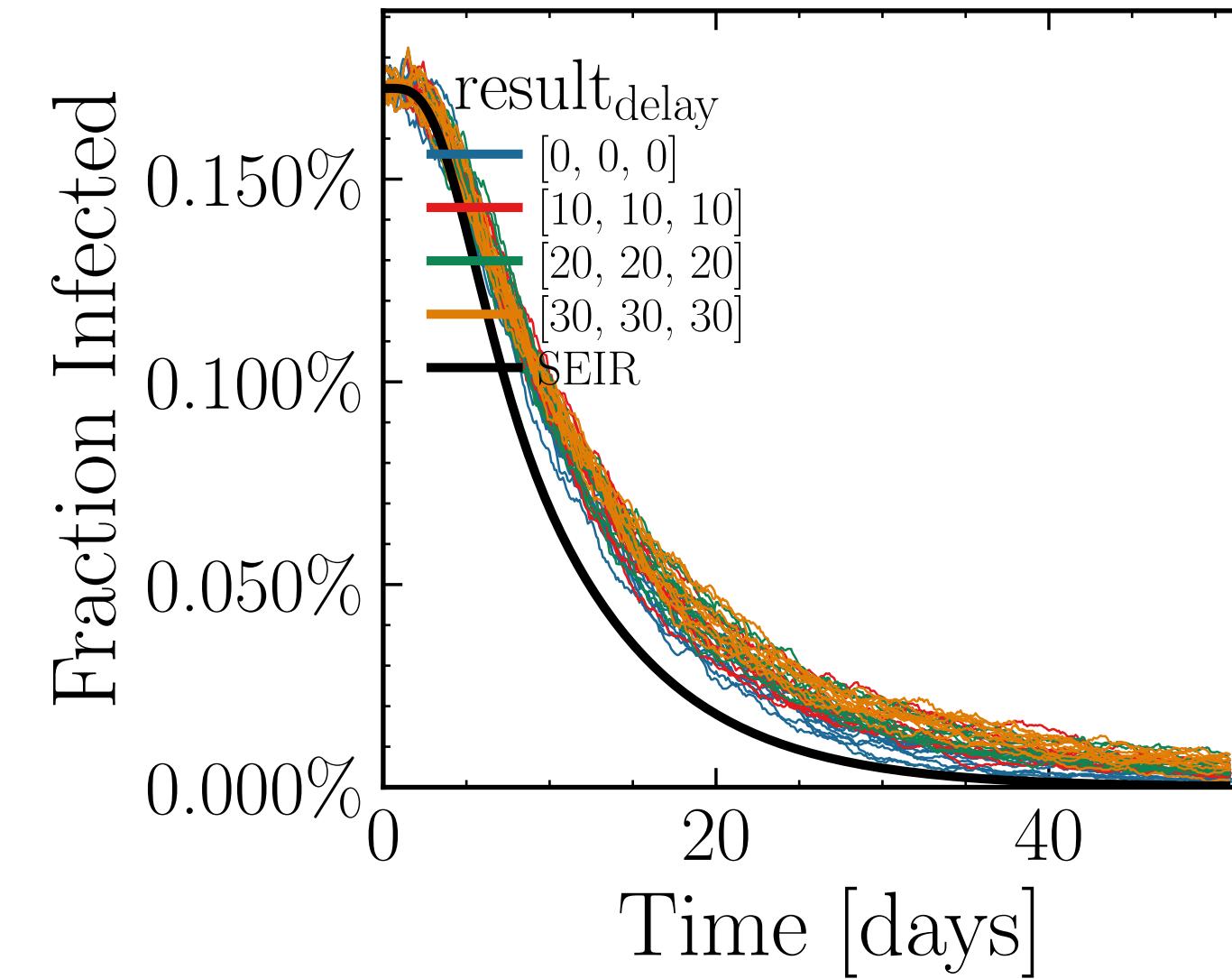


$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 16.6253$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.0127$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 2K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True, w.rand.inf. = True,  $N_{\text{connect}} = 0$ ,  $f_{\text{work/other}} = 0.4054$ ,  $N_{\text{contacts}_{\max}} = 0$   
 $N_{\text{events}} = 2.33K$ ,  $\text{event}_{\text{size}_{\max}} = 10$ ,  $\text{event}_{\text{size}_{\text{mean}}} = 4.8991$ ,  $\text{event}_{\beta_{\text{scaling}}} = 5.0$ ,  $\text{event}_{\text{weekend}_{\text{multiplier}}} = 2.0$   
do\_int. = True, int. = [3, 4, 5, 6],  $f_{\text{dailytests}} = 0.01$ , test\_delay = [0, 0, 25]  
chance\_find.inf. = [0.0, 0.15, 0.15, 0.15, 0.0], days\_look.back = 7, tracking\_delay = 10



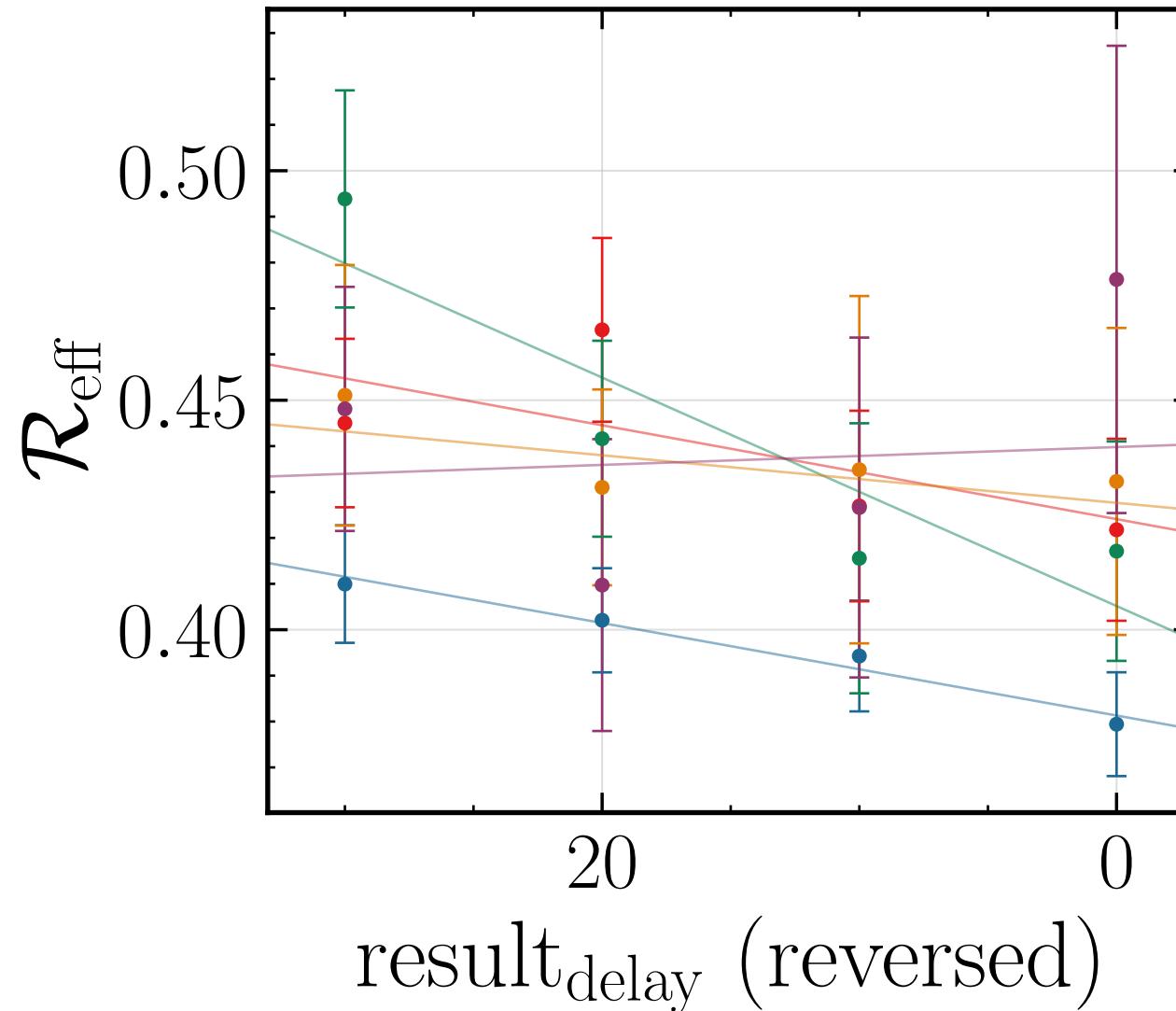
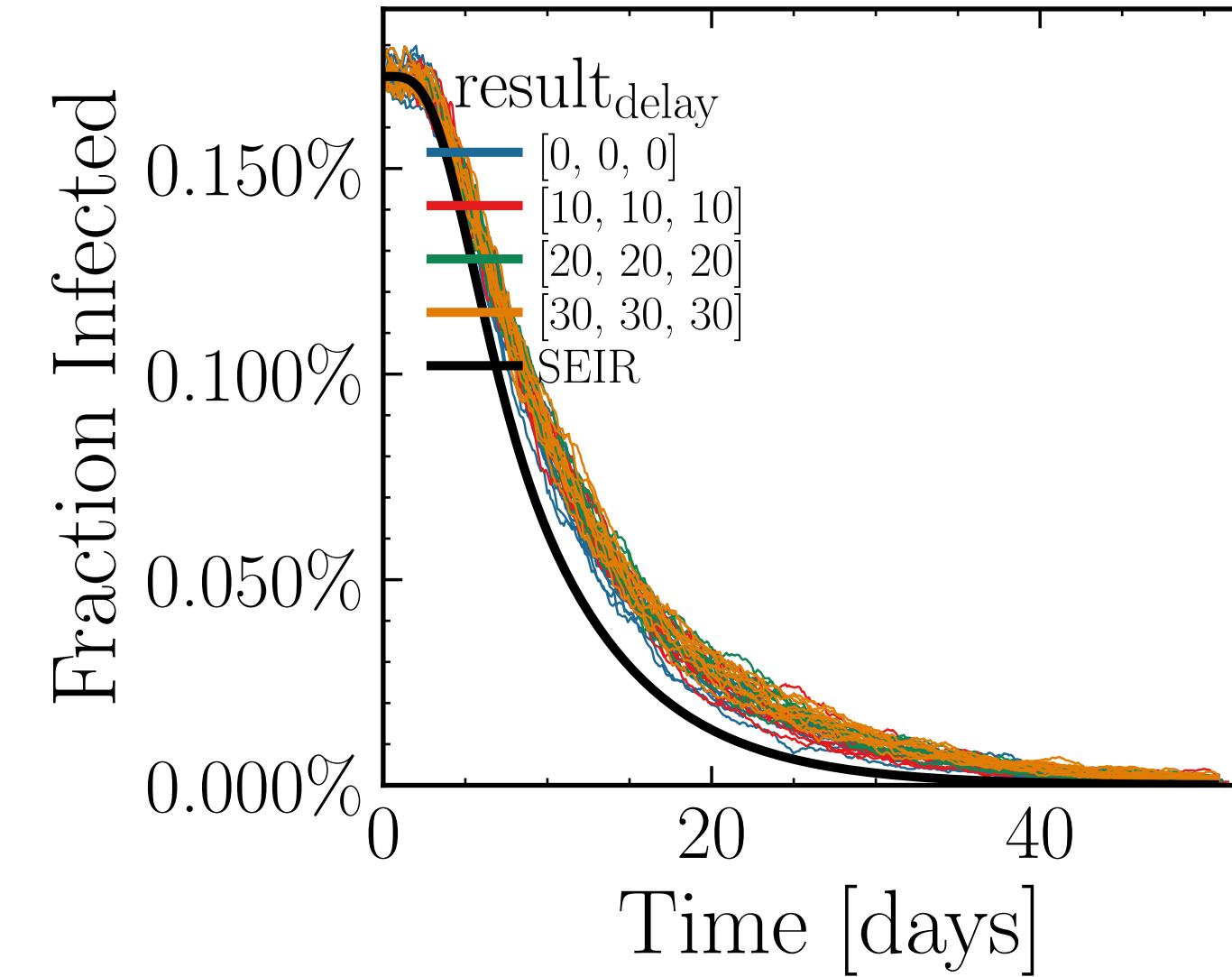
Day: 20,  $a=0.005 \pm 0.001$   
 Day: 25,  $a=0.004 \pm 0.001$   
 Day: 30,  $a=0.000 \pm 0.001$   
 Day: 35,  $a=-0.0013 \pm 0.0008$   
 Day: 40,  $a=-0.0015 \pm 0.0007$

$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 11.1873$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.0087$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 2K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True, w.rand.inf. = True,  $N_{\text{connect}} = 0$ ,  $f_{\text{work/other}} = 0.5272$ ,  $N_{\text{contacts}_{\max}} = 0$   
 $N_{\text{events}} = 1.56K$ ,  $\text{event}_{\text{size}_{\max}} = 10$ ,  $\text{event}_{\text{size}_{\text{mean}}} = 3.5923$ ,  $\text{event}_{\beta_{\text{scaling}}} = 5.0$ ,  $\text{event}_{\text{weekend}_{\text{multiplier}}} = 2.0$   
do\_int. = True, int. = [3, 4, 5, 6],  $f_{\text{dailytests}} = 0.01$ , test\_delay = [0, 0, 25]  
chance\_fnd.inf. = [0.0, 0.15, 0.15, 0.15, 0.0], days\_look.back = 7, tracking\_delay = 10



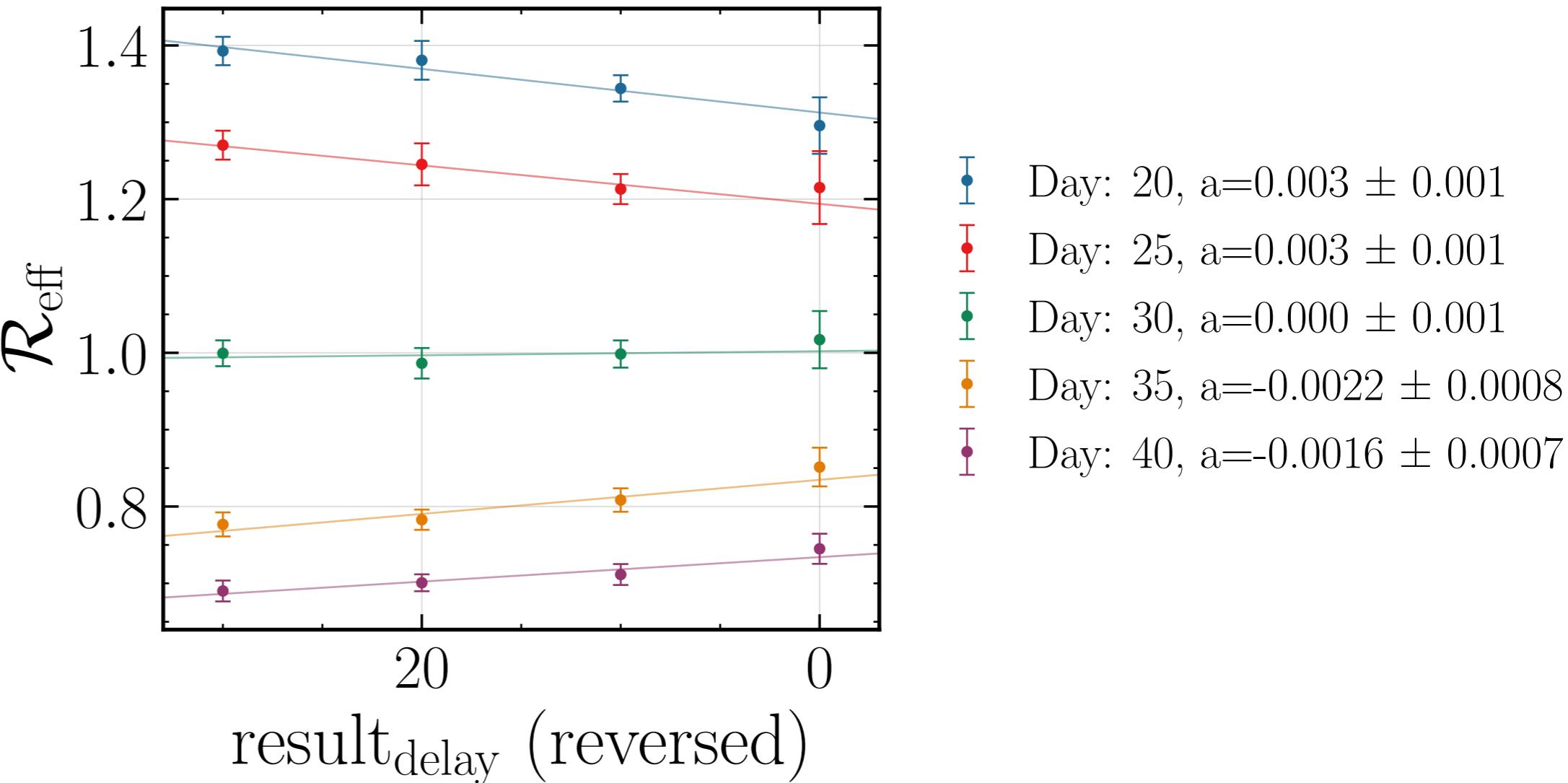
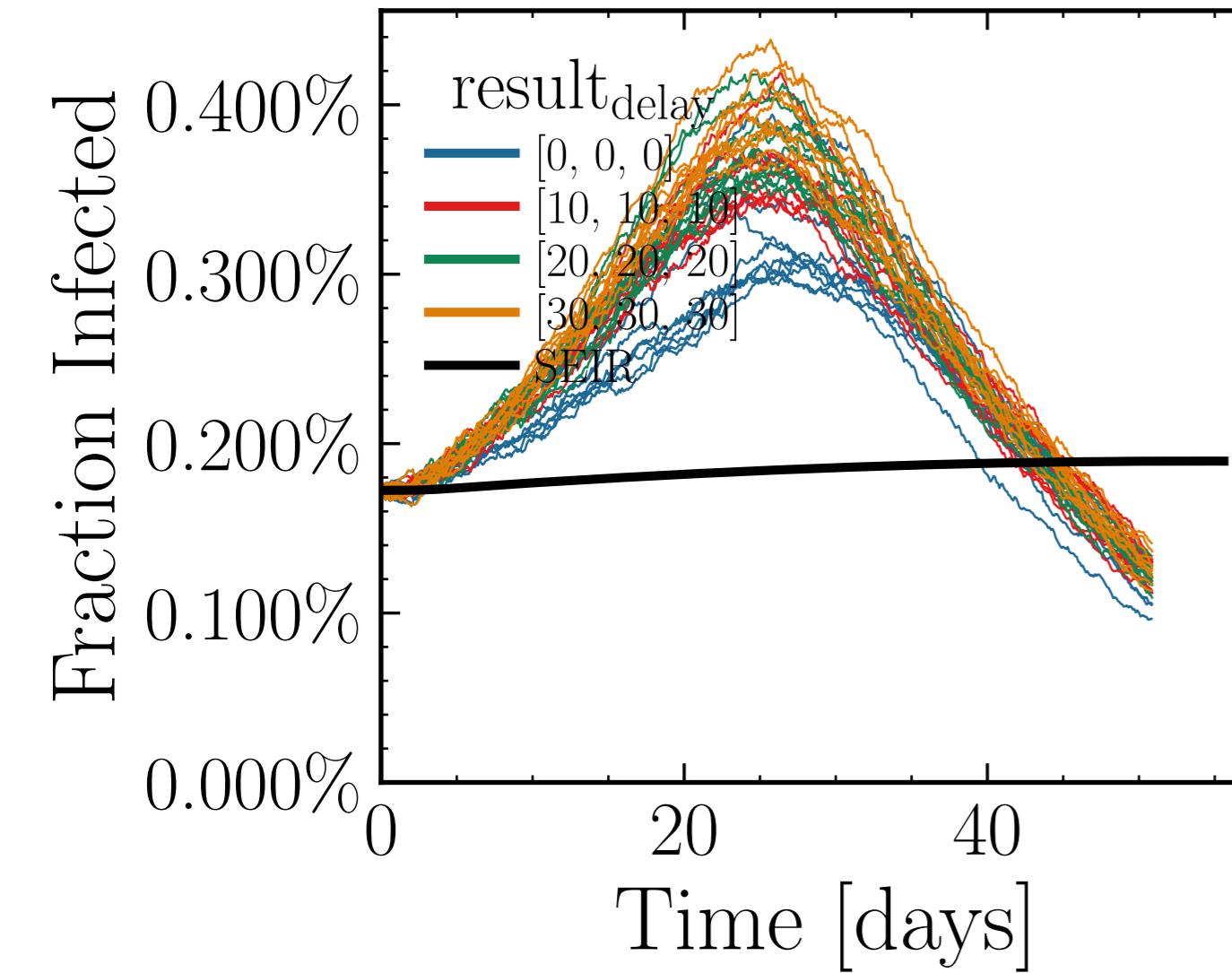
Day: 20,  $a=0.0015 \pm 0.0005$   
 Day: 25,  $a=0.0025 \pm 0.0008$   
 Day: 30,  $a=0.0039 \pm 0.0009$   
 Day: 35,  $a=0.006 \pm 0.001$   
 Day: 40,  $a=0.002 \pm 0.002$

$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 10.1999$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.0083$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 2K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True, w.rand.inf. = True,  $N_{\text{connect}} = 0$ ,  $f_{\text{work/other}} = 0.5767$ ,  $N_{\text{contacts}_{\max}} = 0$   
 $N_{\text{events}} = 1.97K$ ,  $\text{event}_{\text{size}_{\max}} = 10$ ,  $\text{event}_{\text{size}_{\text{mean}}} = 3.9023$ ,  $\text{event}_{\beta_{\text{scaling}}} = 5.0$ ,  $\text{event}_{\text{weekend}_{\text{multiplier}}} = 2.0$   
do\_int. = True, int. = [3, 4, 5, 6],  $f_{\text{dailytests}} = 0.01$ , test\_delay = [0, 0, 25]  
chance\_fnd.inf. = [0.0, 0.15, 0.15, 0.15, 0.0], days\_look.back = 7, tracking\_delay = 10

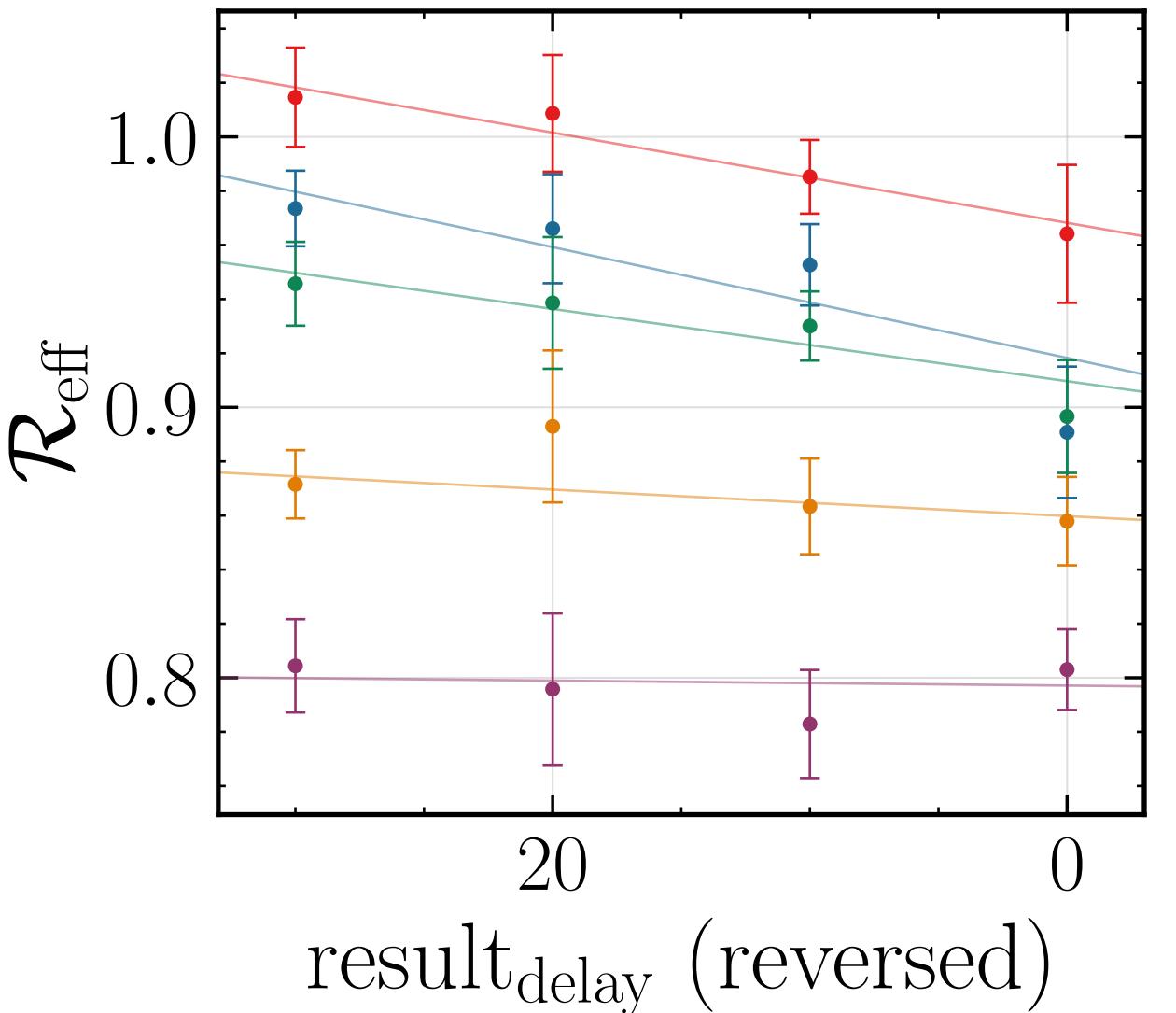
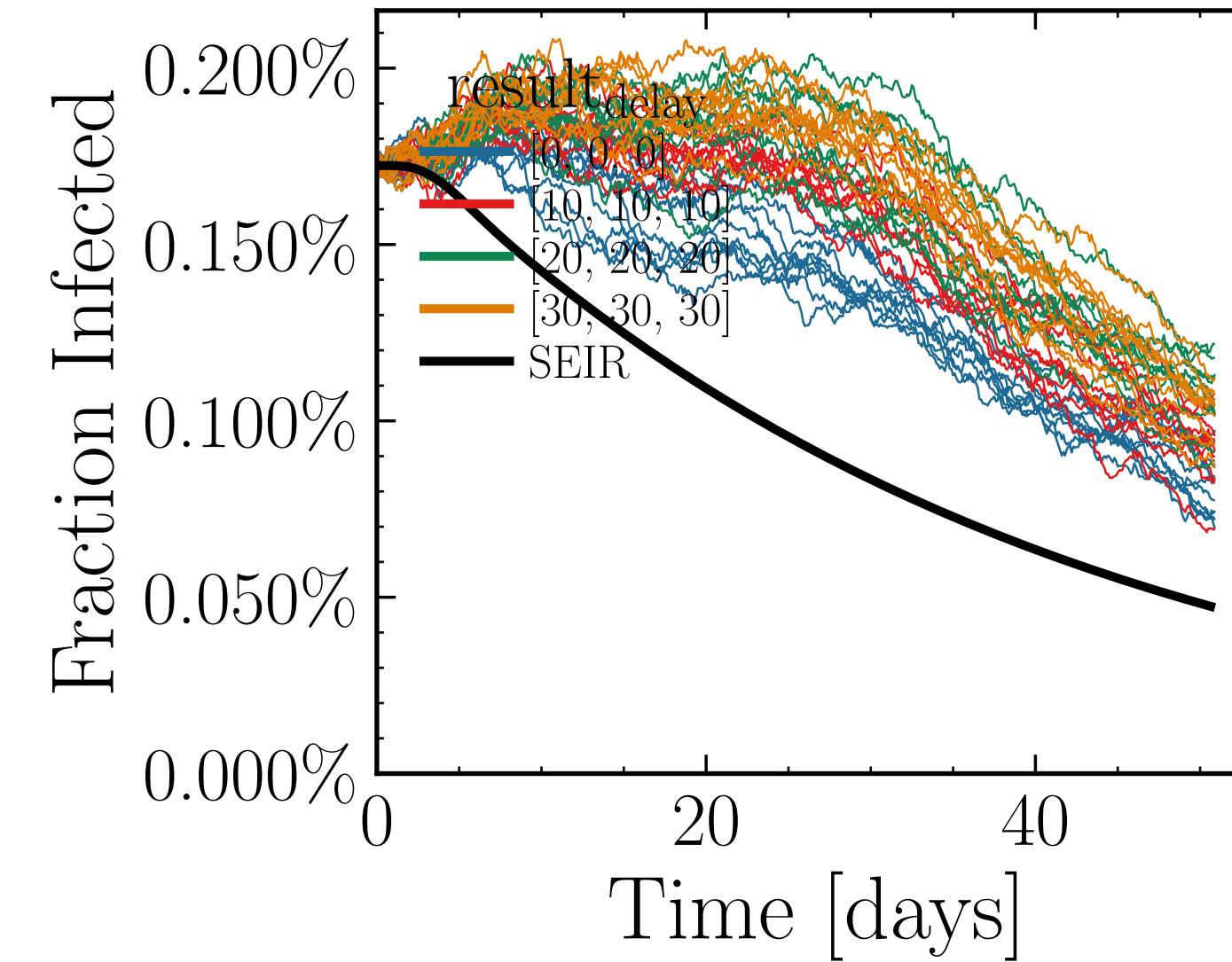


Day: 20,  $a=0.0010 \pm 0.0005$   
 Day: 25,  $a=0.0010 \pm 0.0009$   
 Day: 30,  $a=0.002 \pm 0.001$   
 Day: 35,  $a=0.001 \pm 0.001$   
 Day: 40,  $a=0.000 \pm 0.002$

$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 19.7646$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.013$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 2K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True, w.rand.inf. = True,  $N_{\text{connect}} = 0$ ,  $f_{\text{work/other}} = 0.5875$ ,  $N_{\text{contacts}_{\max}} = 0$   
 $N_{\text{events}} = 2.9K$ , event<sub>size<sub>max</sub></sub> = 10, event<sub>size<sub>mean</sub></sub> = 3.1922, event <sub>$\beta$ scaling</sub> = 5.0, event<sub>weekendmultiplier</sub> = 2.0  
do<sub>int.</sub> = True, int. = [3, 4, 5, 6],  $f_{\text{dailytests}} = 0.01$ , test<sub>delay</sub> = [0, 0, 25]  
chance<sub>find.inf.</sub> = [0.0, 0.15, 0.15, 0.15, 0.0], days<sub>look.back</sub> = 7, tracking<sub>delay</sub> = 10

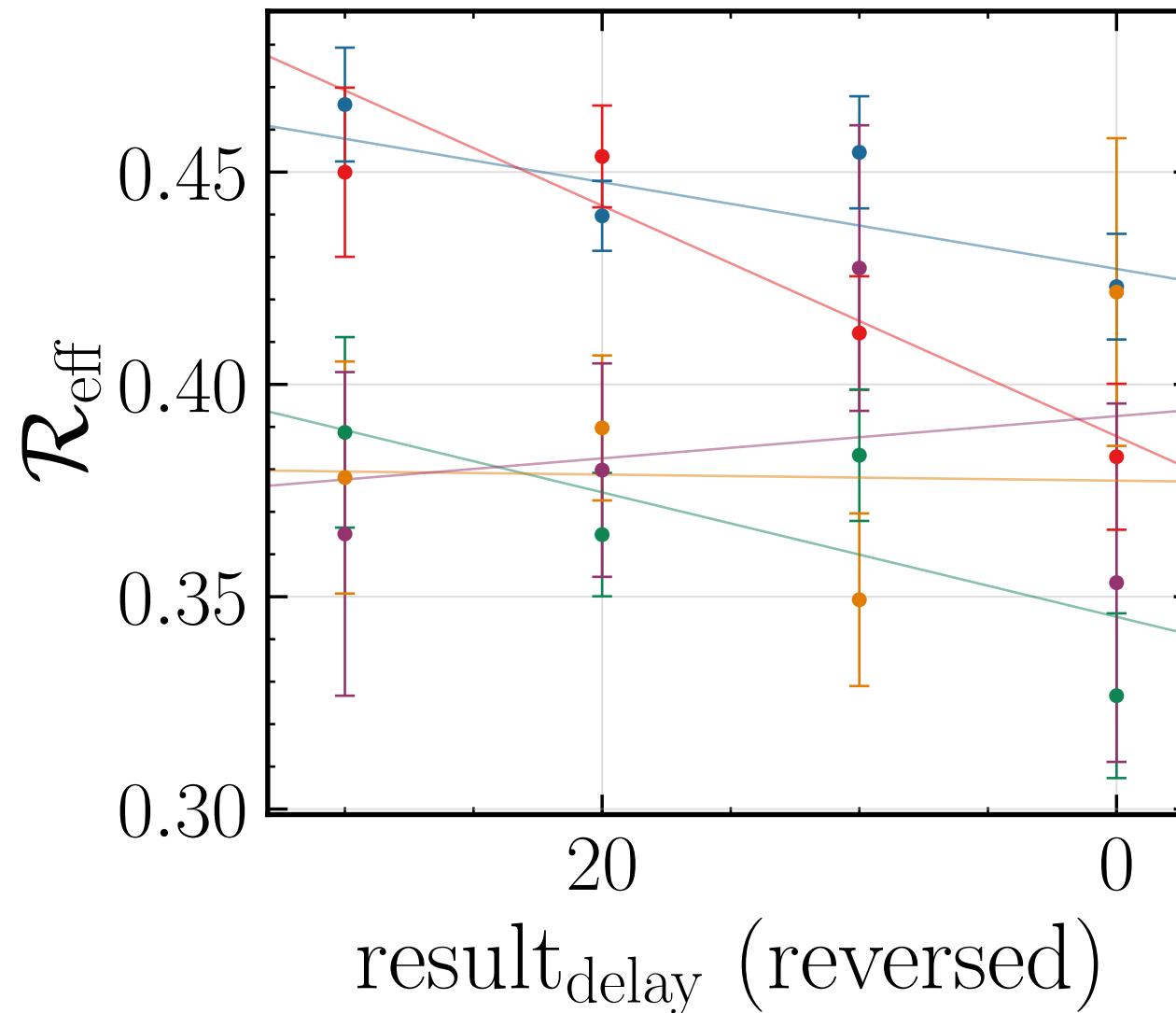
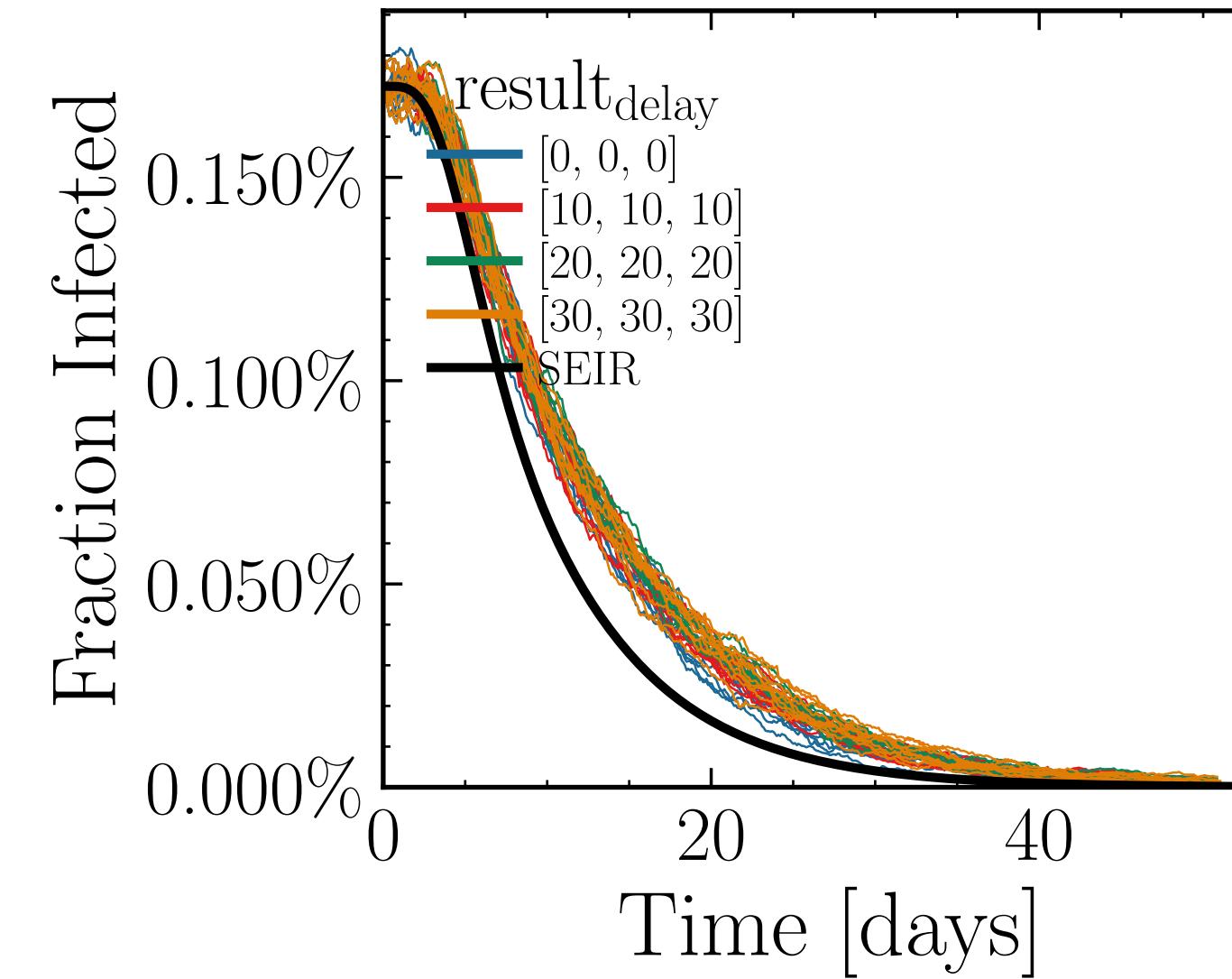


$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 15.6519$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.0135$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 2K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True, w.rand.inf. = True,  $N_{\text{connect}} = 0$ ,  $f_{\text{work/other}} = 0.746$ ,  $N_{\text{contacts}_{\max}} = 0$   
 $N_{\text{events}} = 1.93K$ ,  $\text{event}_{\text{size}_{\max}} = 10$ ,  $\text{event}_{\text{size}_{\text{mean}}} = 3.4336$ ,  $\text{event}_{\beta_{\text{scaling}}} = 5.0$ ,  $\text{event}_{\text{weekend}_{\text{multiplier}}} = 2.0$   
do\_int. = True, int. = [3, 4, 5, 6],  $f_{\text{dailytests}} = 0.01$ , test\_delay = [0, 0, 25]  
chance\_fnd.inf. = [0.0, 0.15, 0.15, 0.15, 0.0], days\_look.back = 7, tracking\_delay = 10



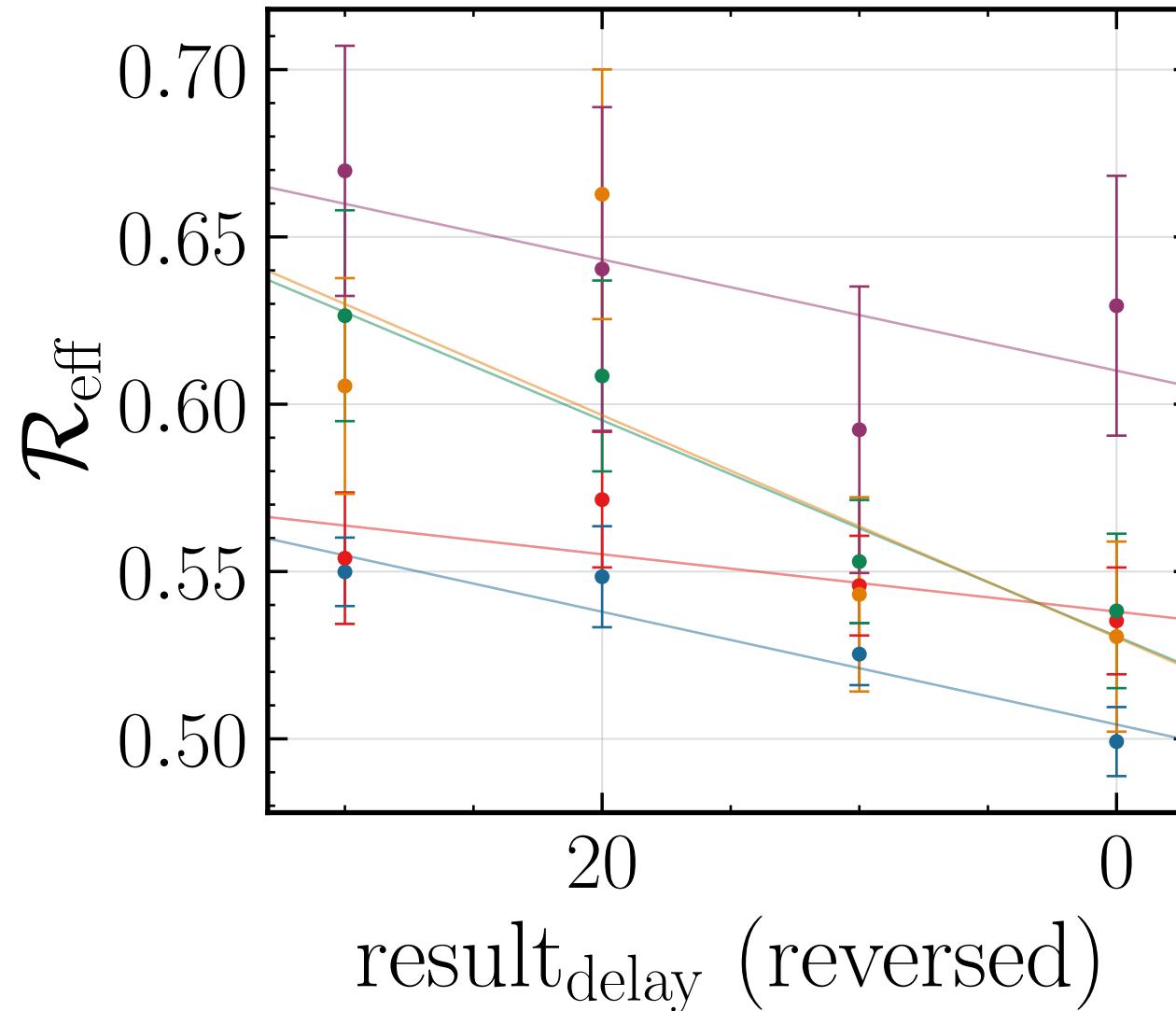
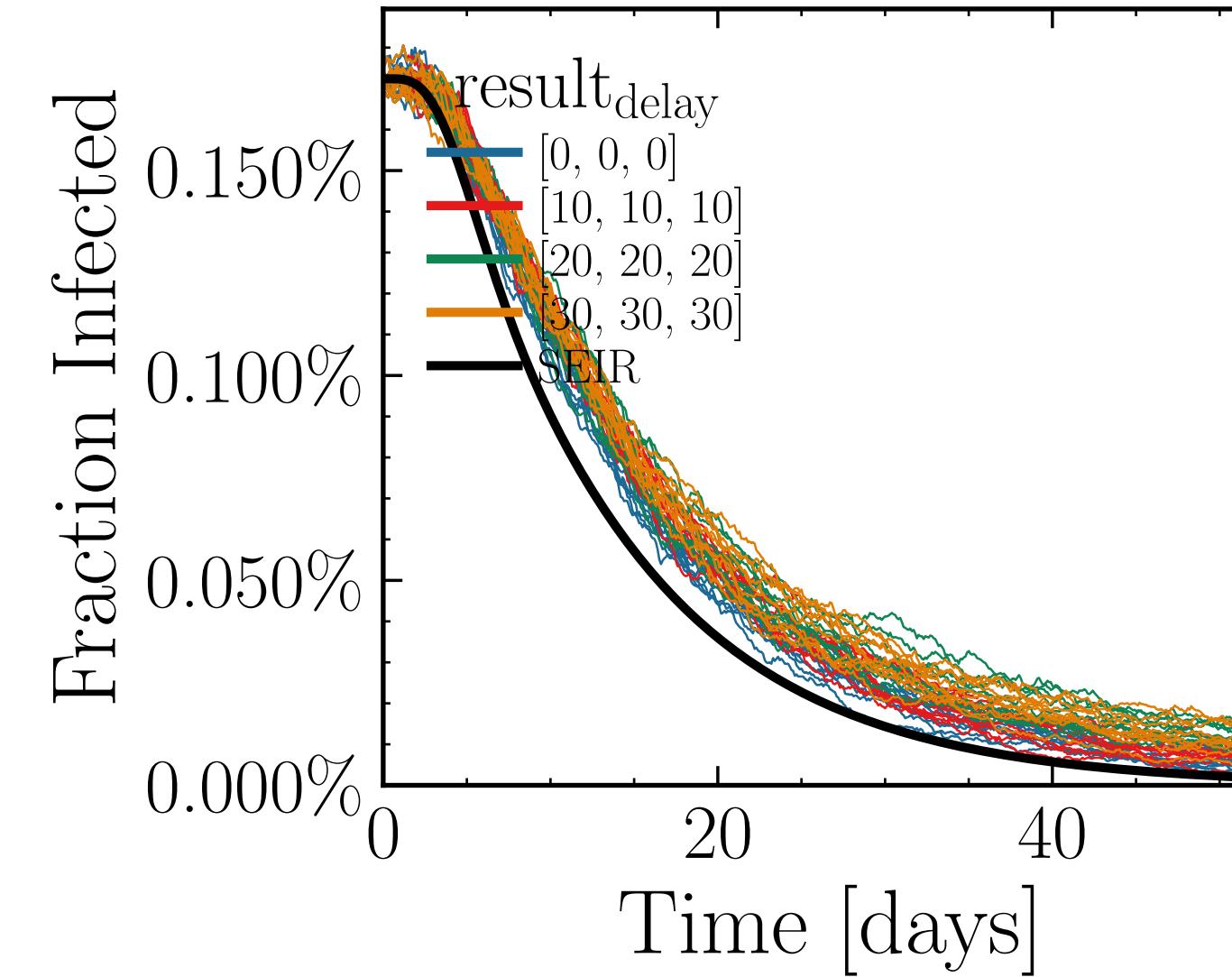
Day: 20,  $a=0.0020 \pm 0.0008$   
 Day: 25,  $a=0.0017 \pm 0.0009$   
 Day: 30,  $a=0.0013 \pm 0.0008$   
 Day: 35,  $a=0.0005 \pm 0.0007$   
 Day: 40,  $a=0.0001 \pm 0.0007$

$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 10.2011$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.0091$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 2K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True, w.rand.inf. = True,  $N_{\text{connect}} = 0$ ,  $f_{\text{work/other}} = 0.7316$ ,  $N_{\text{contacts}_{\max}} = 0$   
 $N_{\text{events}} = 3.85K$ , event<sub>size<sub>max</sub></sub> = 10, event<sub>size<sub>mean</sub></sub> = 4.173, event <sub>$\beta$ scaling</sub> = 5.0, event<sub>weekendmultiplier</sub> = 2.0  
do<sub>int.</sub> = True, int. = [3, 4, 5, 6], f<sub>dailytests</sub> = 0.01, test<sub>delay</sub> = [0, 0, 25]  
chance<sub>find.inf.</sub> = [0.0, 0.15, 0.15, 0.15, 0.0], days<sub>look.back</sub> = 7, tracking<sub>delay</sub> = 10



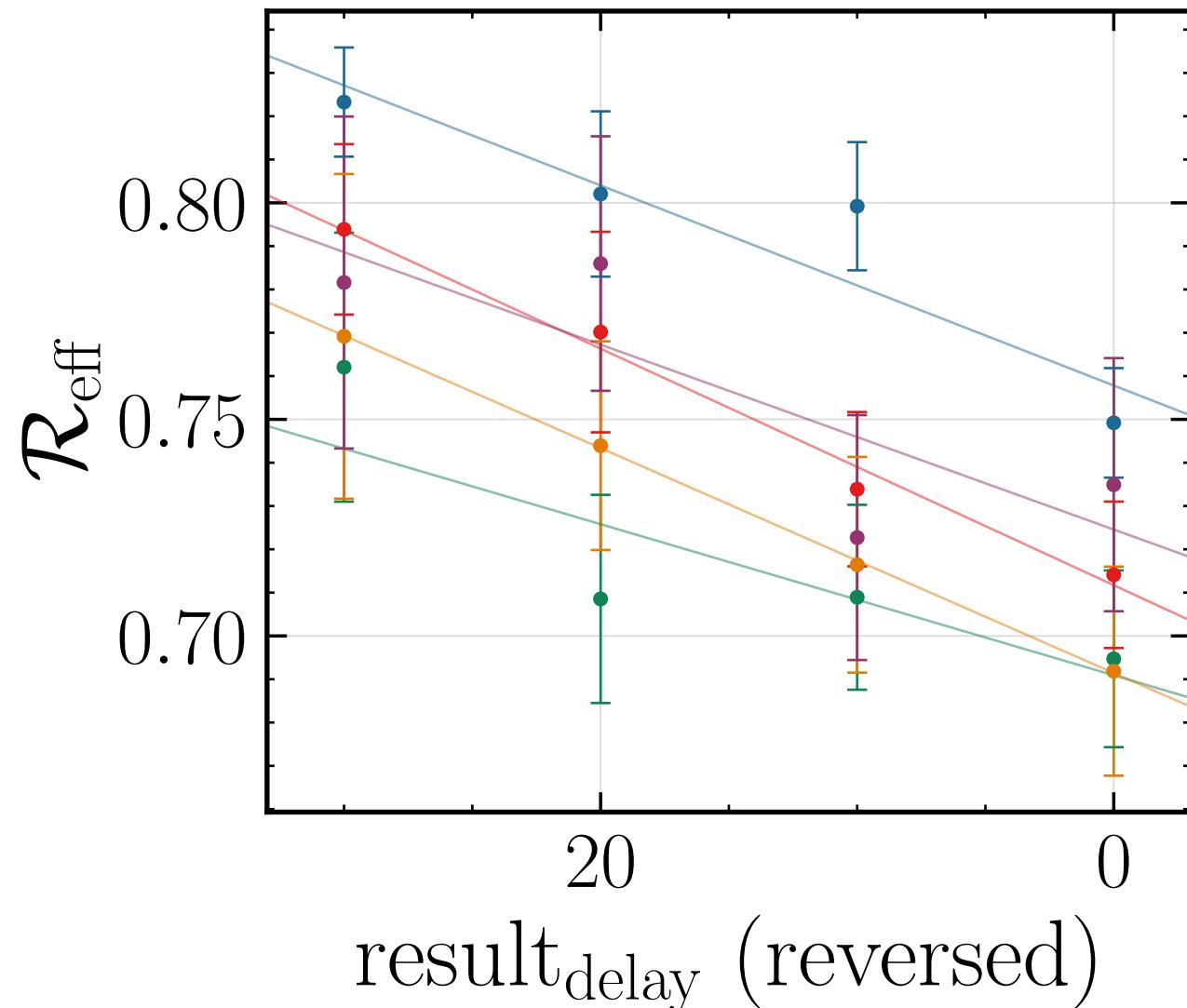
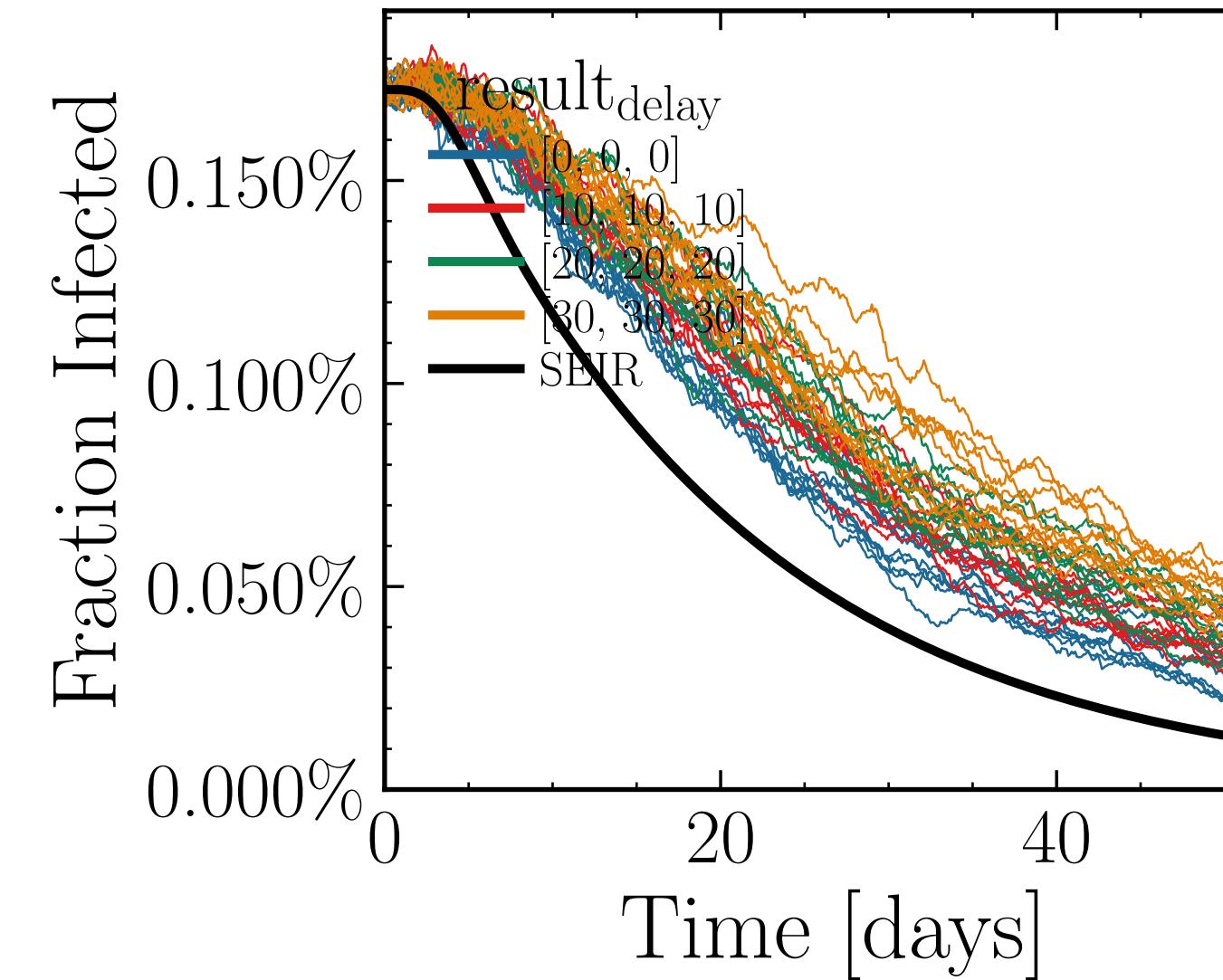
Day: 20,  $a=0.0010 \pm 0.0006$   
 Day: 25,  $a=0.0027 \pm 0.0008$   
 Day: 30,  $a=0.0015 \pm 0.0009$   
 Day: 35,  $a=0.000 \pm 0.001$   
 Day: 40,  $a=0.000 \pm 0.002$

$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 16.4717$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.0081$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 2K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True, w.rand.inf. = True,  $N_{\text{connect}} = 0$ ,  $f_{\text{work/other}} = 0.7366$ ,  $N_{\text{contacts}_{\max}} = 0$   
 $N_{\text{events}} = 4.12K$ ,  $\text{event}_{\text{size}_{\max}} = 10$ ,  $\text{event}_{\text{size}_{\text{mean}}} = 4.6847$ ,  $\text{event}_{\beta_{\text{scaling}}} = 5.0$ ,  $\text{event}_{\text{weekend}_{\text{multiplier}}} = 2.0$   
do\_int. = True, int. = [3, 4, 5, 6],  $f_{\text{dailytests}} = 0.01$ , test\_delay = [0, 0, 25]  
chance\_fnd.inf. = [0.0, 0.15, 0.15, 0.15, 0.0], days\_look.back = 7, tracking\_delay = 10



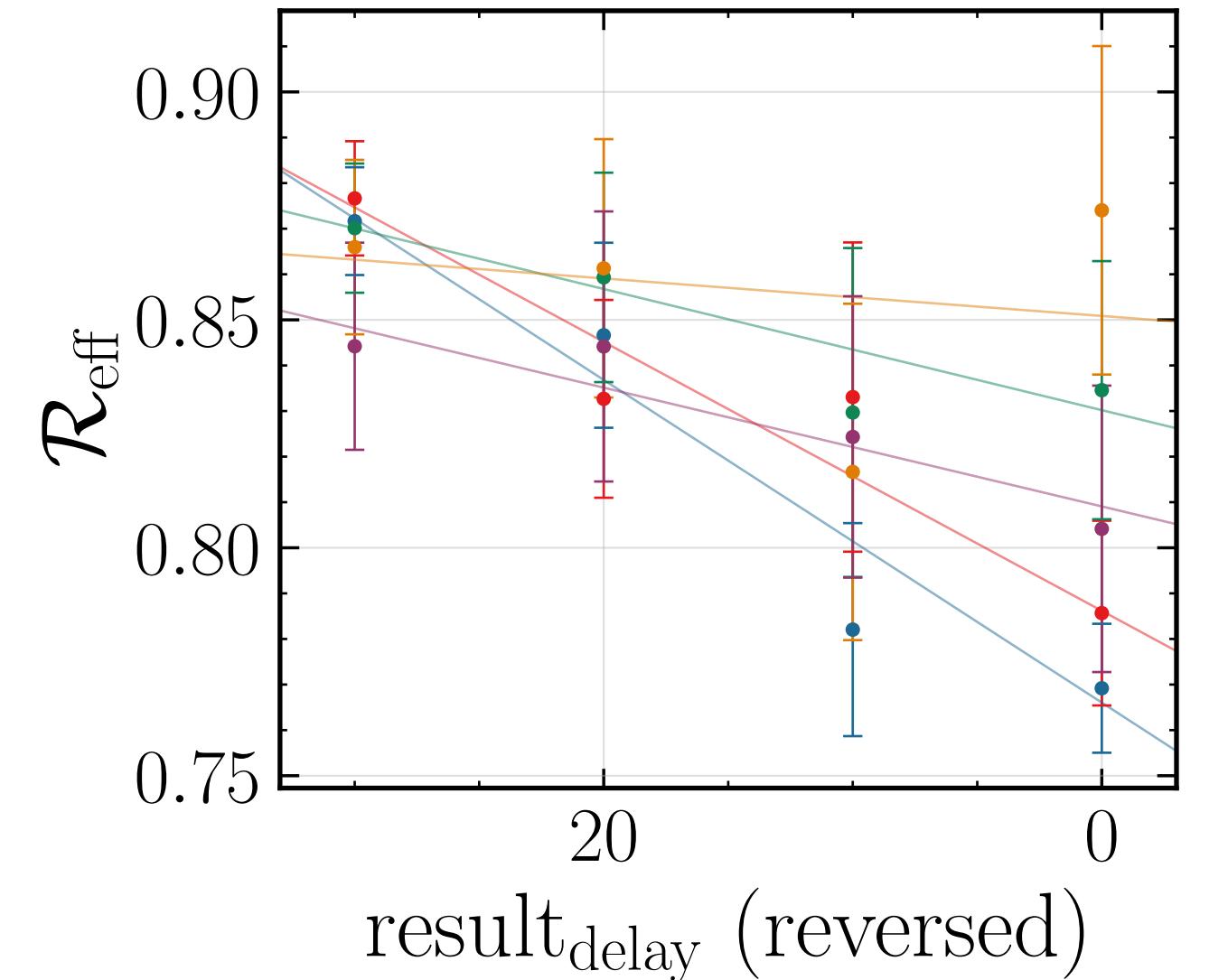
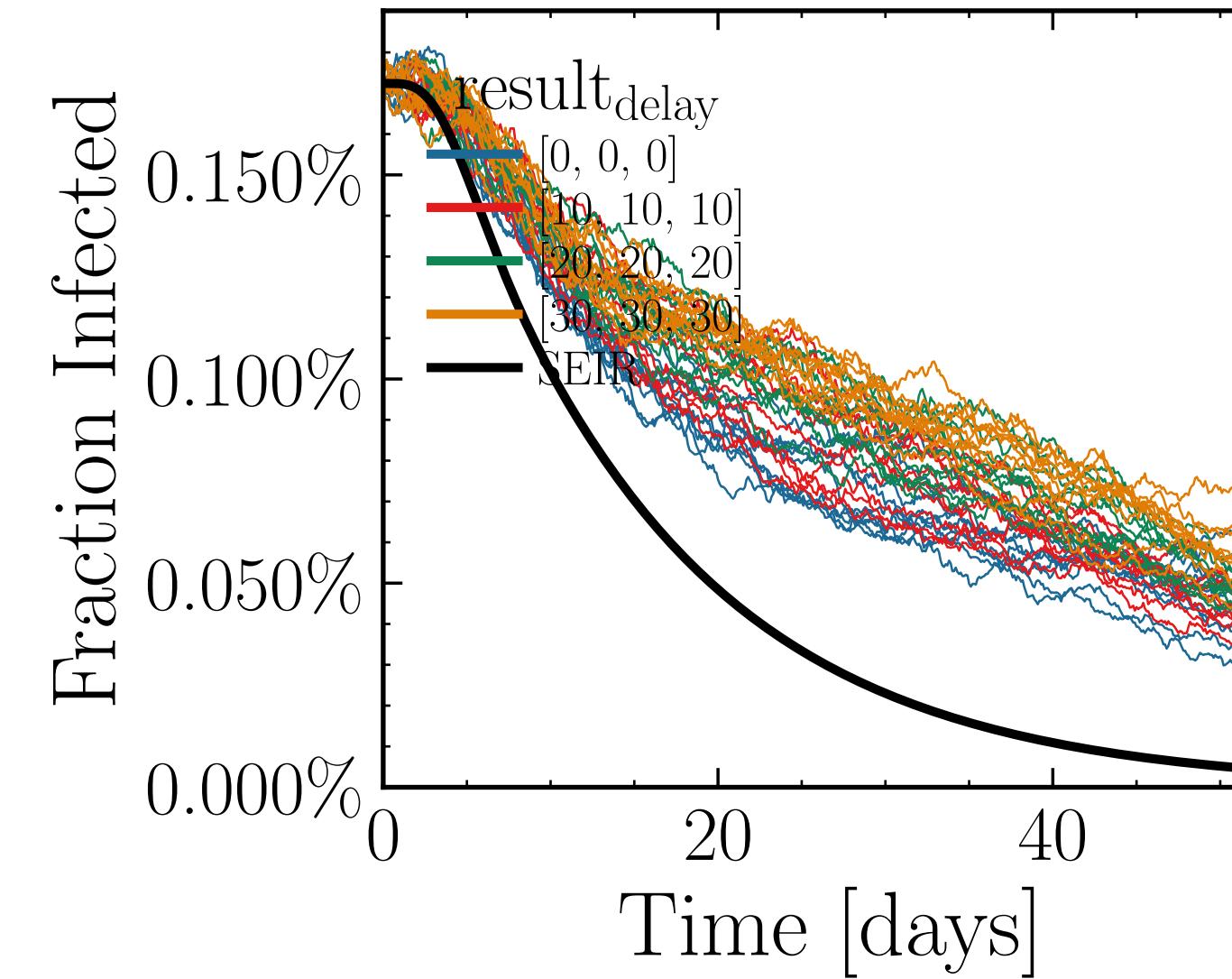
Day: 20,  $a=0.0017 \pm 0.0005$   
 Day: 25,  $a=0.0009 \pm 0.0008$   
 Day: 30,  $a=0.003 \pm 0.001$   
 Day: 35,  $a=0.003 \pm 0.001$   
 Day: 40,  $a=0.002 \pm 0.002$

$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 15.7595$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.0111$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 2K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True, w.rand.inf. = True,  $N_{\text{connect}} = 0$ ,  $f_{\text{work/other}} = 0.7717$ ,  $N_{\text{contacts}_{\max}} = 0$   
 $N_{\text{events}} = 3.61K$ ,  $\text{event}_{\text{size}_{\max}} = 10$ ,  $\text{event}_{\text{size}_{\text{mean}}} = 3.1879$ ,  $\text{event}_{\beta_{\text{scaling}}} = 5.0$ ,  $\text{event}_{\text{weekend}_{\text{multiplier}}} = 2.0$   
do\_int. = True, int. = [3, 4, 5, 6],  $f_{\text{dailytests}} = 0.01$ , test\_delay = [0, 0, 25]  
chance\_fnd.inf. = [0.0, 0.15, 0.15, 0.15, 0.0], days\_look.back = 7, tracking\_delay = 10



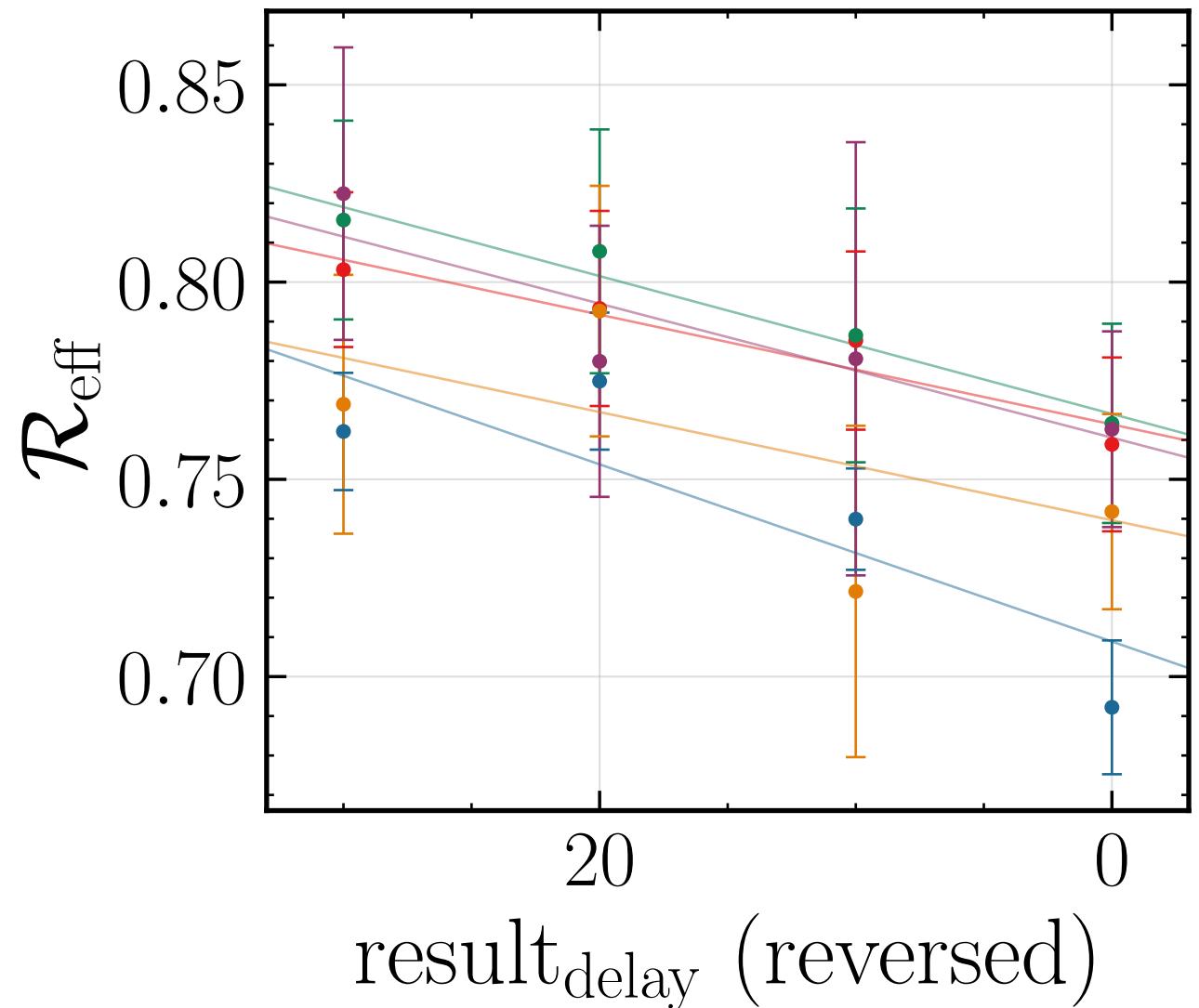
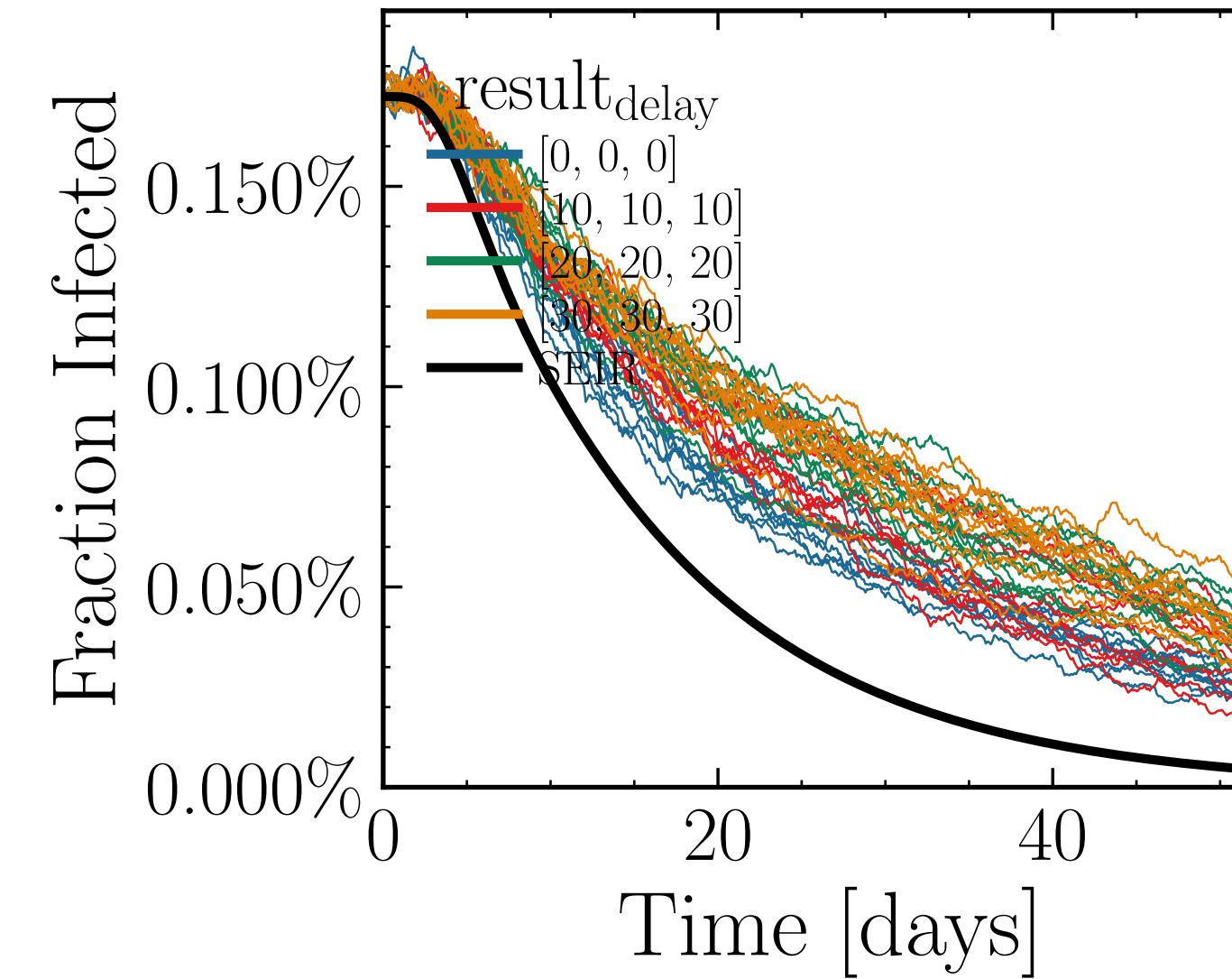
- Day: 20,  $a=0.0023 \pm 0.0006$
- Day: 25,  $a=0.0027 \pm 0.0008$
- Day: 30,  $a=0.002 \pm 0.001$
- Day: 35,  $a=0.003 \pm 0.001$
- Day: 40,  $a=0.002 \pm 0.001$

$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 17.0374$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.0089$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 2K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True, w.rand.inf. = True,  $N_{\text{connect}} = 0$ ,  $f_{\text{work/other}} = 0.5154$ ,  $N_{\text{contacts}_{\max}} = 0$   
 $N_{\text{events}} = 3.33K$ ,  $\text{event}_{\text{size}_{\max}} = 10$ ,  $\text{event}_{\text{size}_{\text{mean}}} = 4.1392$ ,  $\text{event}_{\beta_{\text{scaling}}} = 5.0$ ,  $\text{event}_{\text{weekend}_{\text{multiplier}}} = 2.0$   
do\_int. = True, int. = [3, 4, 5, 6],  $f_{\text{dailytests}} = 0.01$ , test\_delay = [0, 0, 25]  
chance\_fnd.inf. = [0.0, 0.15, 0.15, 0.15, 0.0], days\_look.back = 7, tracking\_delay = 10



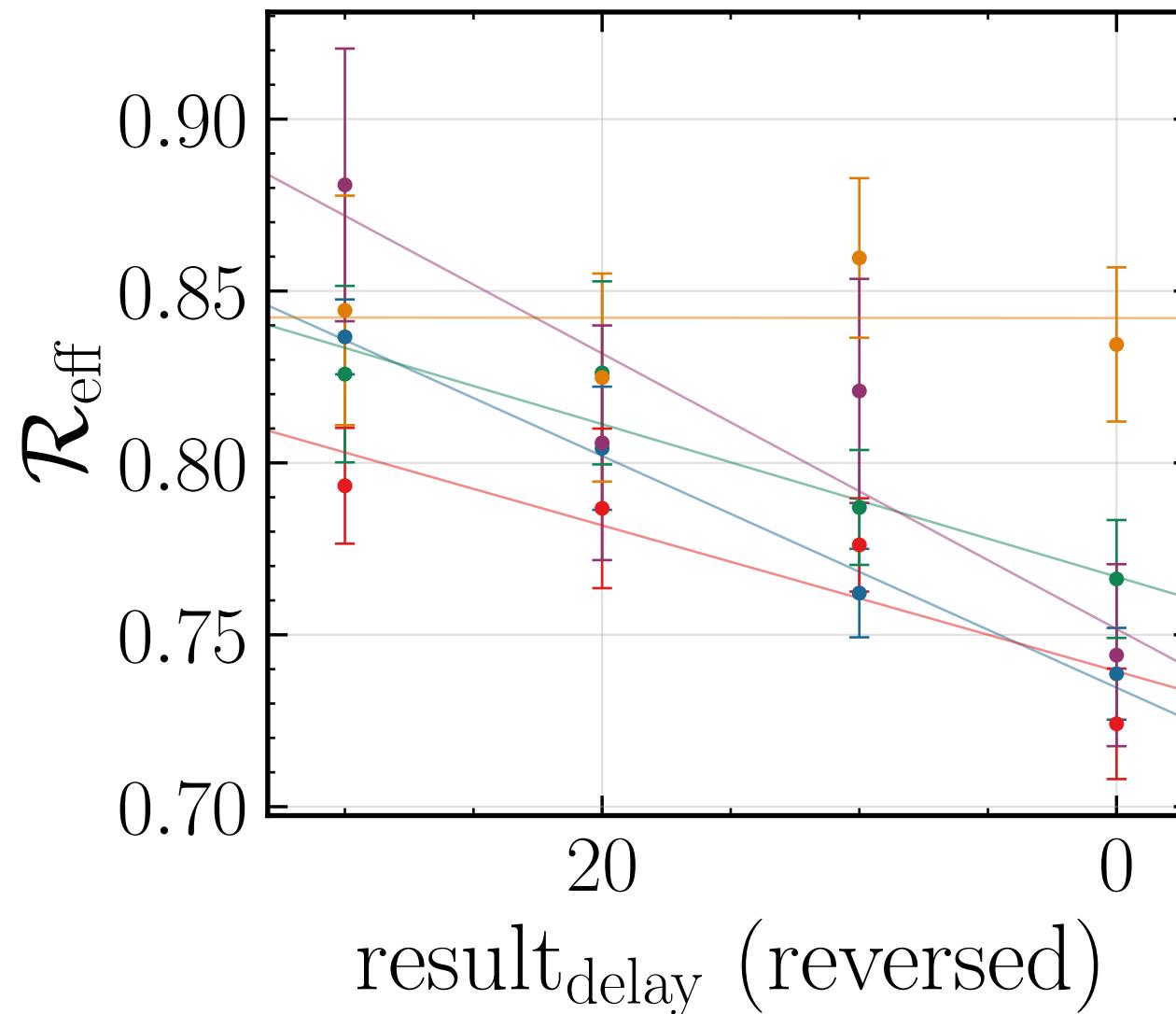
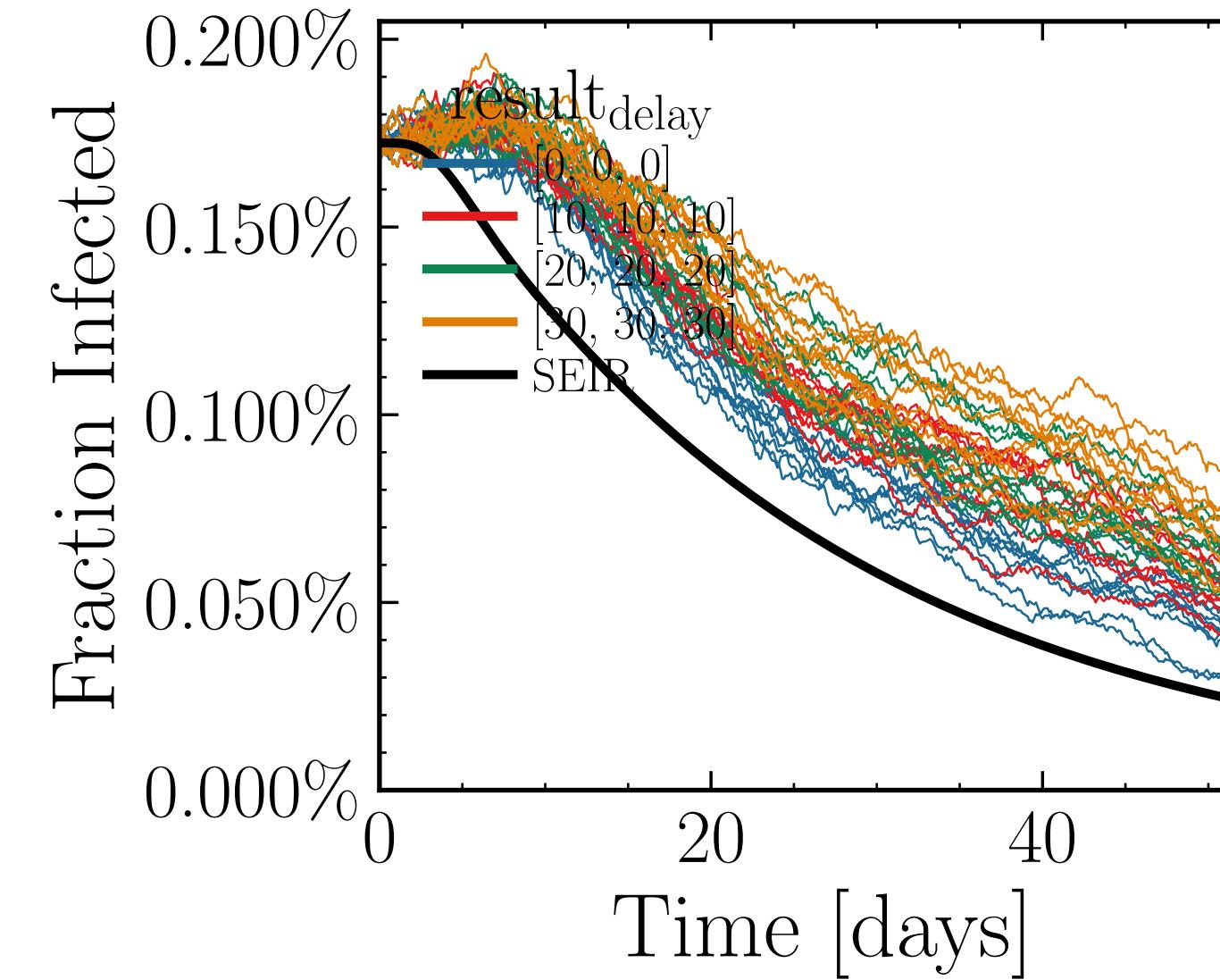
Day: 20,  $a=0.0035 \pm 0.0006$   
 Day: 25,  $a=0.0029 \pm 0.0008$   
 Day: 30,  $a=0.001 \pm 0.001$   
 Day: 35,  $a=0.000 \pm 0.001$   
 Day: 40,  $a=0.001 \pm 0.001$

$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 15.9204$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.0095$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 2K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True, w.rand.inf. = True,  $N_{\text{connect}} = 0$ ,  $f_{\text{work/other}} = 0.6289$ ,  $N_{\text{contacts}_{\max}} = 0$   
 $N_{\text{events}} = 2.9K$ , event<sub>size<sub>max</sub></sub> = 10, event<sub>size<sub>mean</sub></sub> = 4.1523, event <sub>$\beta$ scaling</sub> = 5.0, event<sub>weekendmultiplier</sub> = 2.0  
do<sub>int.</sub> = True, int. = [3, 4, 5, 6], f<sub>dailytests</sub> = 0.01, test<sub>delay</sub> = [0, 0, 25]  
chance<sub>find.inf.</sub> = [0.0, 0.15, 0.15, 0.15, 0.0], days<sub>look.back</sub> = 7, tracking<sub>delay</sub> = 10



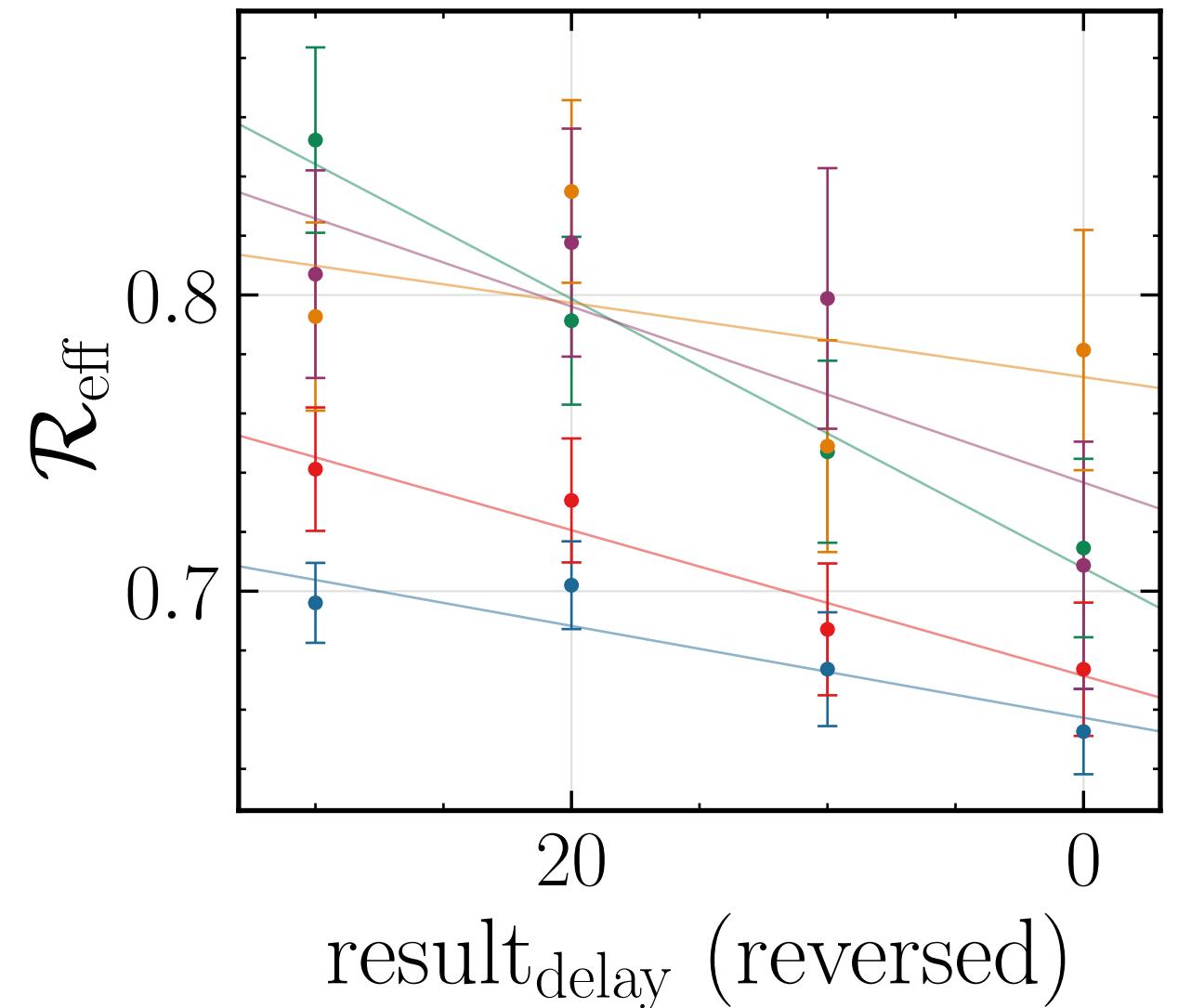
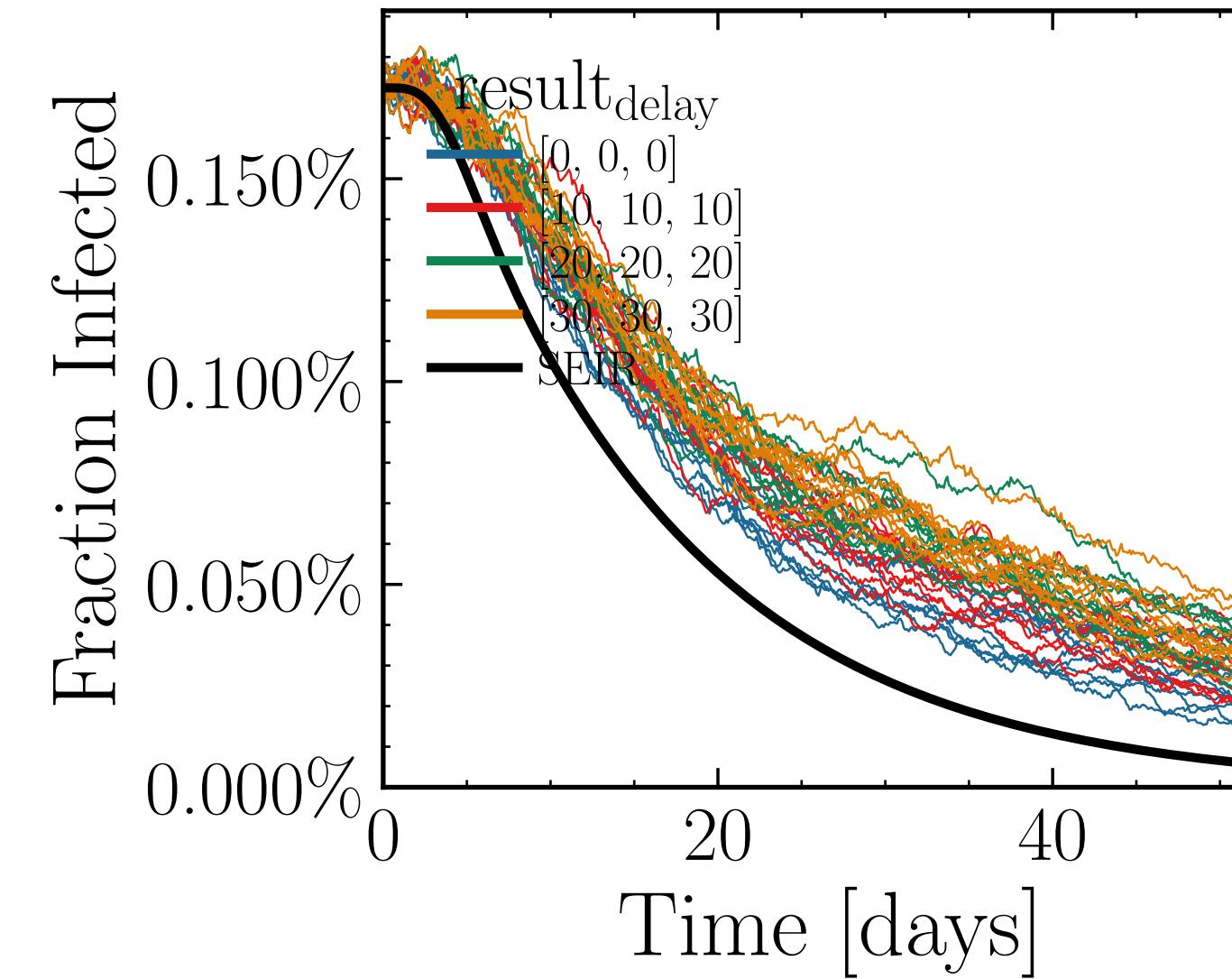
Day: 20,  $a=0.0022 \pm 0.0007$   
 Day: 25,  $a=0.0014 \pm 0.0009$   
 Day: 30,  $a=0.002 \pm 0.001$   
 Day: 35,  $a=0.001 \pm 0.001$   
 Day: 40,  $a=0.002 \pm 0.001$

$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 14.492$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.0133$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 2K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True, w.rand.inf. = True,  $N_{\text{connect}} = 0$ ,  $f_{\text{work/other}} = 0.7914$ ,  $N_{\text{contacts}_{\max}} = 0$   
 $N_{\text{events}} = 1.18K$ ,  $\text{event}_{\text{size}_{\max}} = 10$ ,  $\text{event}_{\text{size}_{\text{mean}}} = 4.3601$ ,  $\text{event}_{\beta_{\text{scaling}}} = 5.0$ ,  $\text{event}_{\text{weekend}_{\text{multiplier}}} = 2.0$   
do\_int. = True, int. = [3, 4, 5, 6],  $f_{\text{dailytests}} = 0.01$ , test\_delay = [0, 0, 25]  
chance\_fnd.inf. = [0.0, 0.15, 0.15, 0.15, 0.0], days\_look.back = 7, tracking\_delay = 10



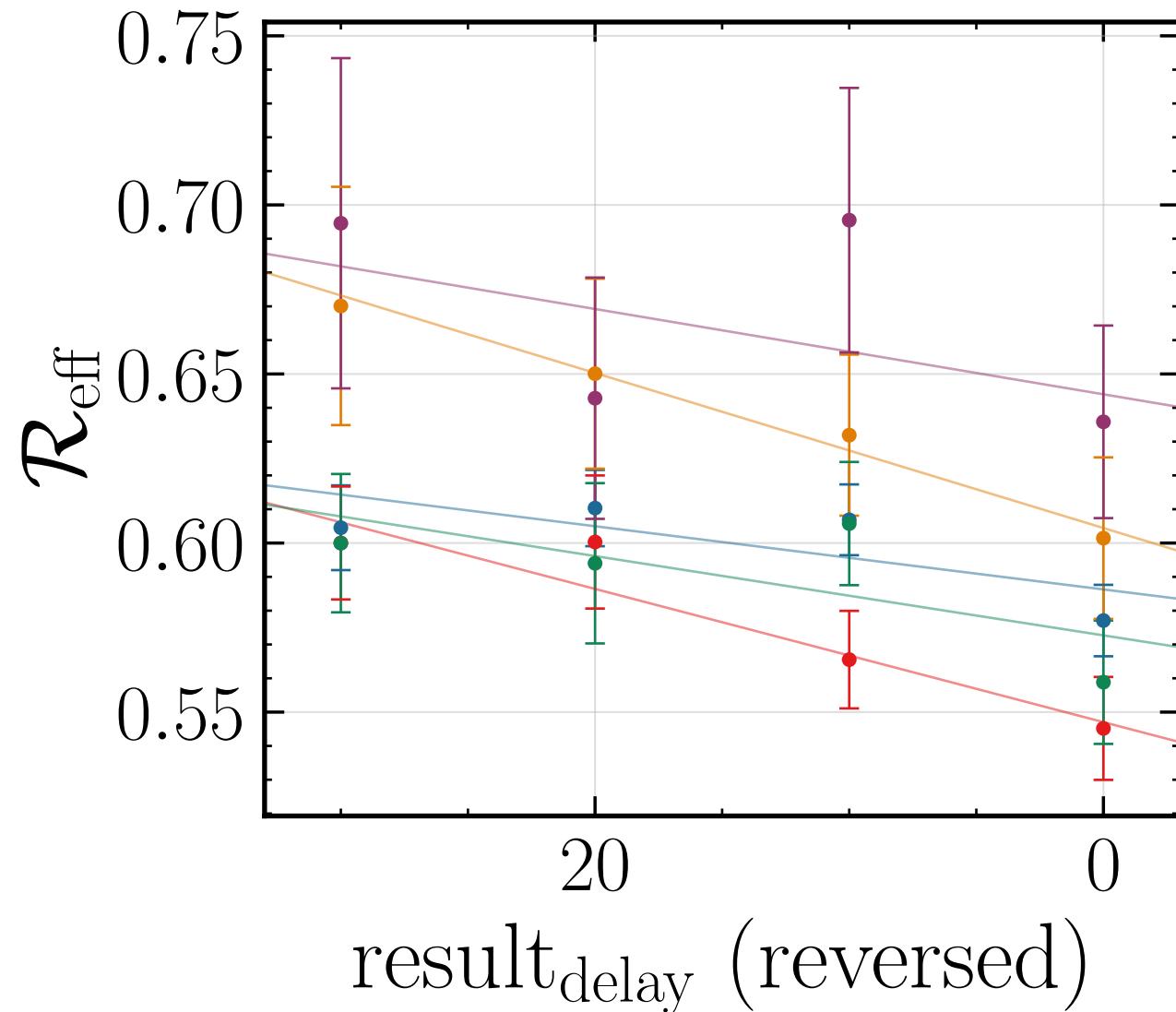
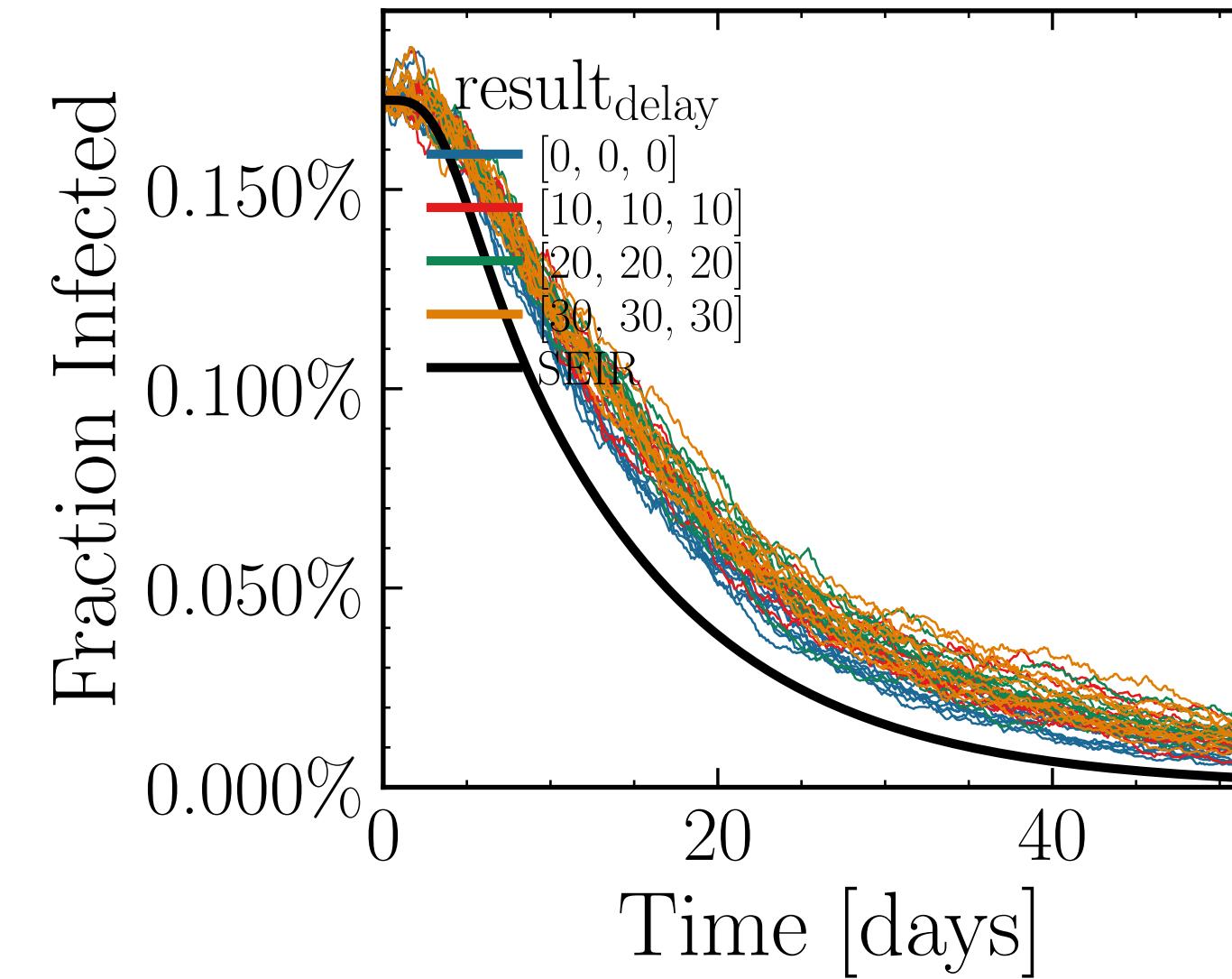
Day: 20, $a=0.0034 \pm 0.0005$
Day: 25, $a=0.0021 \pm 0.0007$
Day: 30, $a=0.002 \pm 0.001$
Day: 35, $a=0.000 \pm 0.001$
Day: 40, $a=0.004 \pm 0.001$

$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 15.8847$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.0099$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 2K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True, w.rand.inf. = True,  $N_{\text{connect}} = 0$ ,  $f_{\text{work/other}} = 0.6639$ ,  $N_{\text{contacts}_{\max}} = 0$   
 $N_{\text{events}} = 4.22K$ ,  $\text{event}_{\text{size}_{\max}} = 10$ ,  $\text{event}_{\text{size}_{\text{mean}}} = 4.9308$ ,  $\text{event}_{\beta_{\text{scaling}}} = 5.0$ ,  $\text{event}_{\text{weekend}_{\text{multiplier}}} = 2.0$   
do\_int. = True, int. = [3, 4, 5, 6],  $f_{\text{dailytests}} = 0.01$ , test\_delay = [0, 0, 25]  
chance\_fnd.inf. = [0.0, 0.15, 0.15, 0.15, 0.0], days\_look.back = 7, tracking\_delay = 10



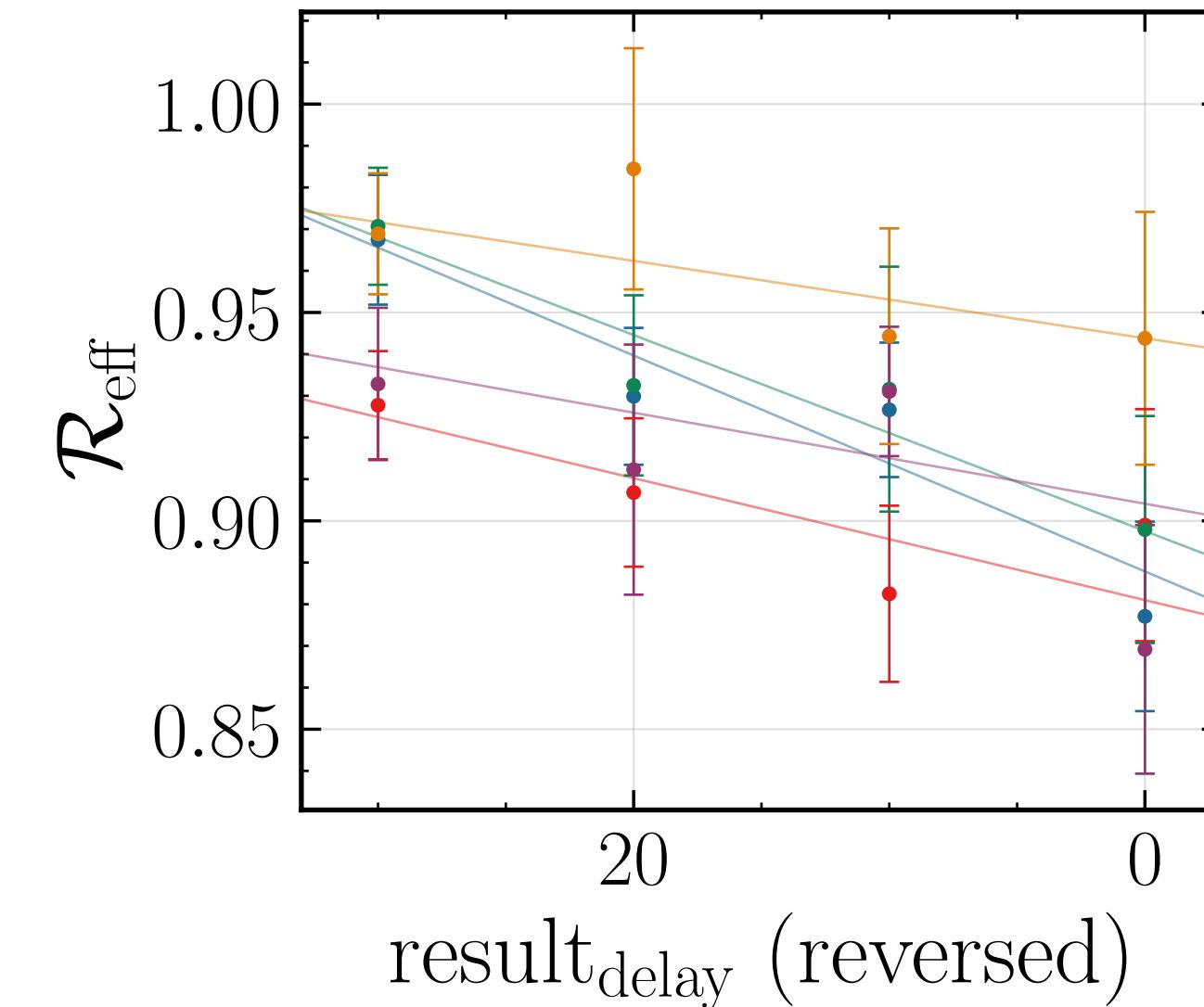
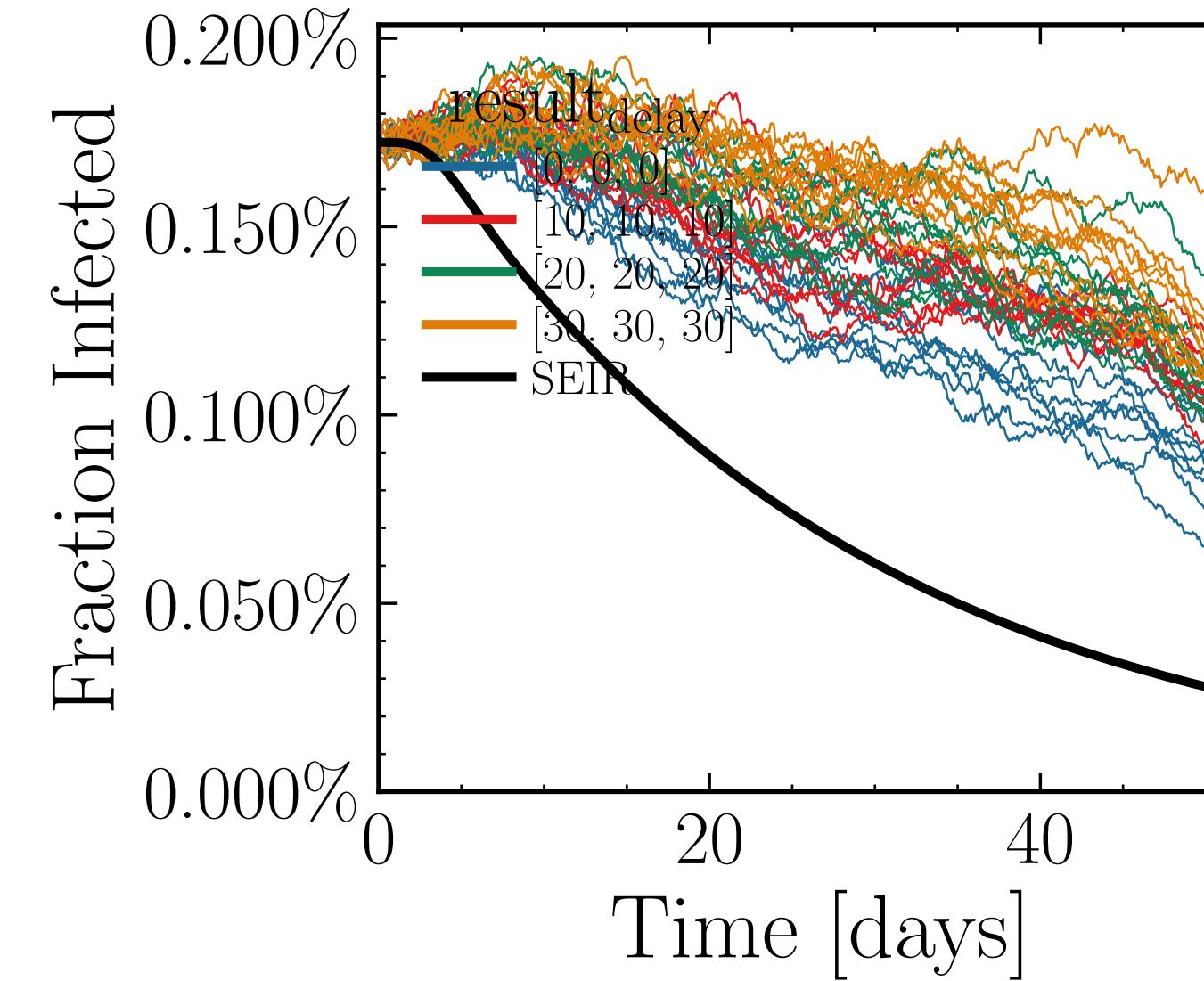
- Day: 20,  $a=0.0016 \pm 0.0006$
- Day: 25,  $a=0.002 \pm 0.001$
- Day: 30,  $a=0.005 \pm 0.001$
- Day: 35,  $a=0.001 \pm 0.002$
- Day: 40,  $a=0.003 \pm 0.002$

$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 13.9651$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.0098$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 2K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True, w.rand.inf. = True,  $N_{\text{connect}} = 0$ ,  $f_{\text{work/other}} = 0.7524$ ,  $N_{\text{contacts}_{\max}} = 0$   
 $N_{\text{events}} = 3.19K$ ,  $\text{event}_{\text{size}_{\max}} = 10$ ,  $\text{event}_{\text{size}_{\text{mean}}} = 4.6276$ ,  $\text{event}_{\beta_{\text{scaling}}} = 5.0$ ,  $\text{event}_{\text{weekend}_{\text{multiplier}}} = 2.0$   
do\_int. = True, int. = [3, 4, 5, 6],  $f_{\text{dailytests}} = 0.01$ , test\_delay = [0, 0, 25]  
chance\_fnd.inf. = [0.0, 0.15, 0.15, 0.15, 0.0], days\_look.back = 7, tracking\_delay = 10



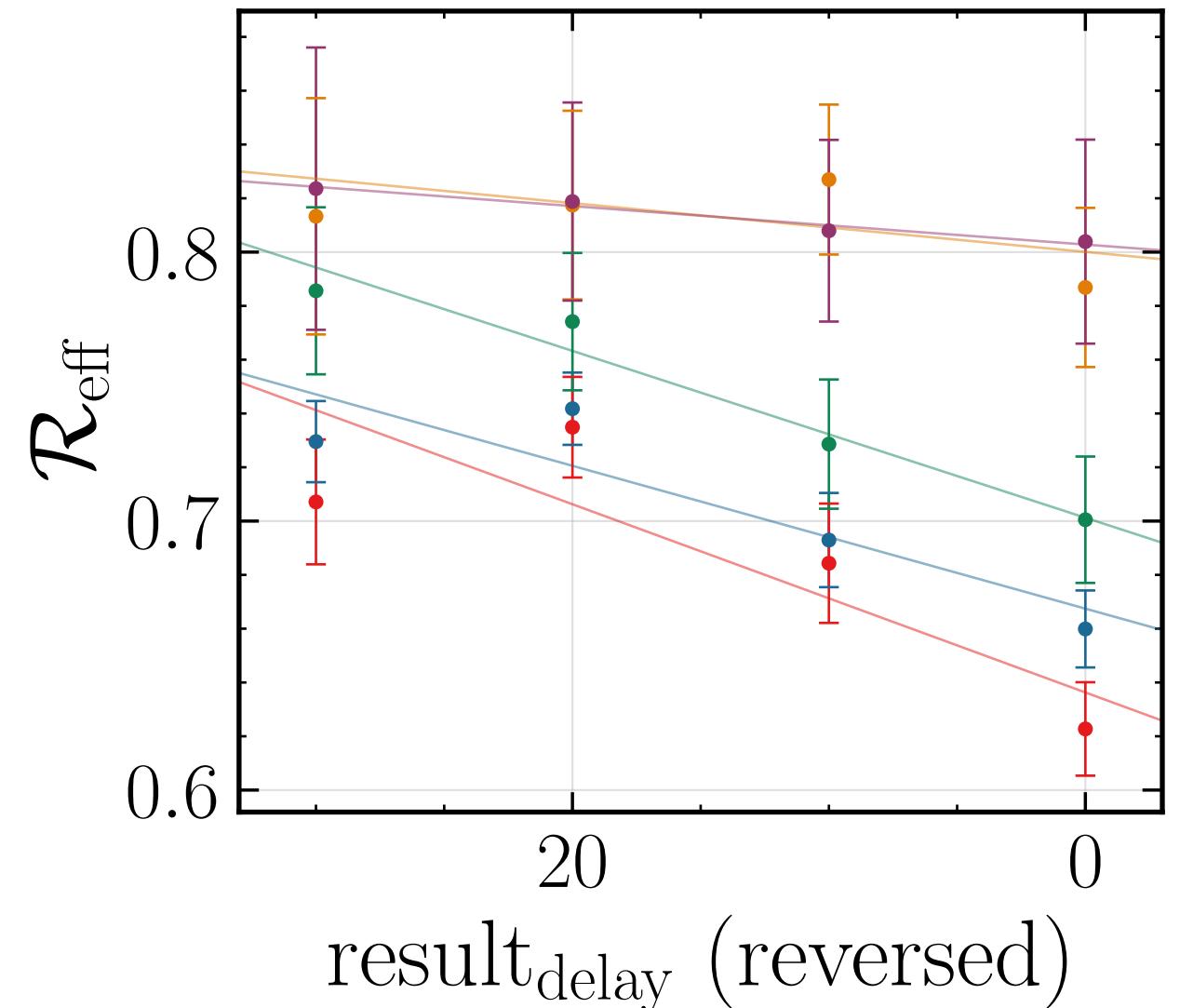
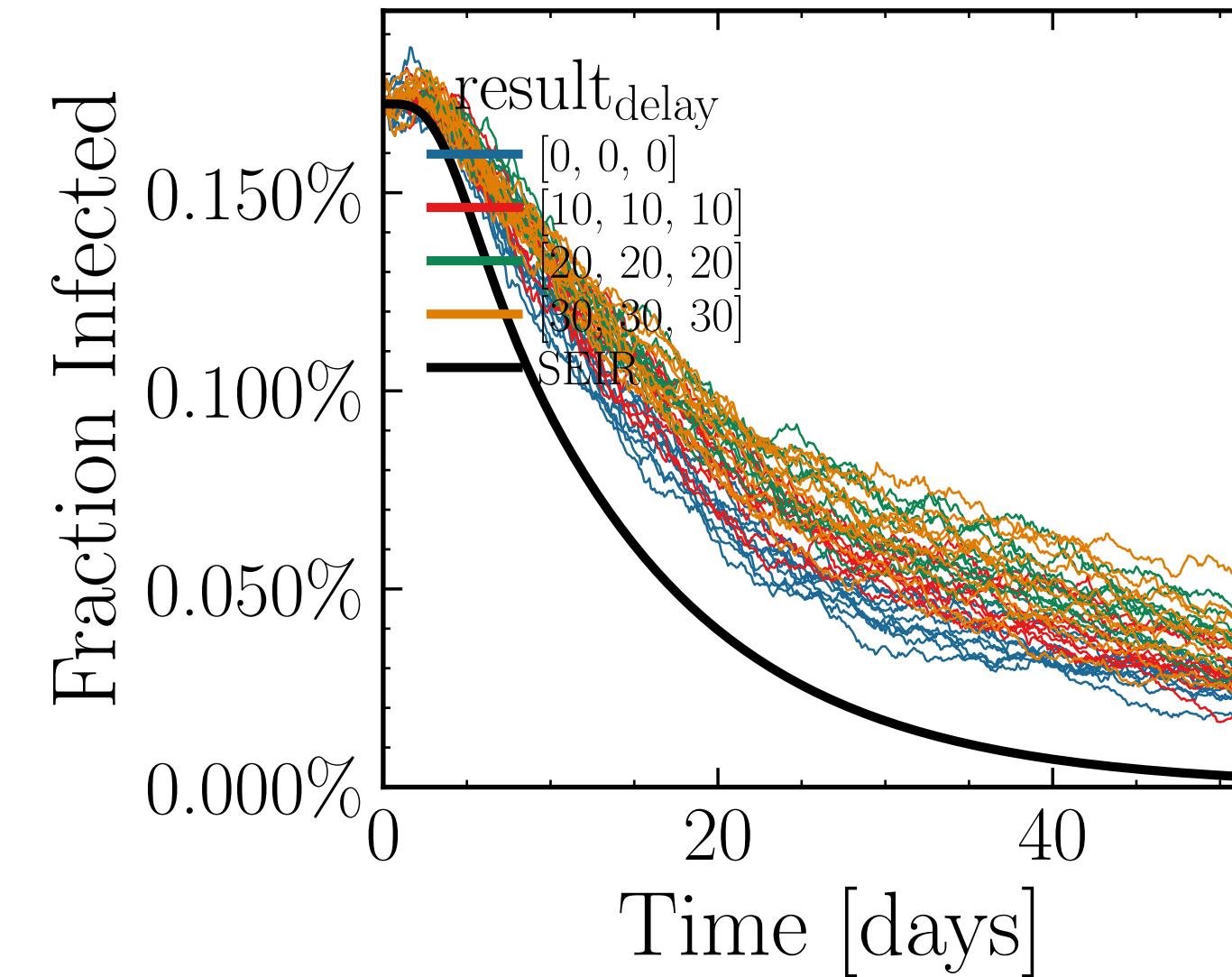
- Day: 20,  $a=0.0009 \pm 0.0005$
- Day: 25,  $a=0.0020 \pm 0.0007$
- Day: 30,  $a=0.0012 \pm 0.0009$
- Day: 35,  $a=0.002 \pm 0.001$
- Day: 40,  $a=0.001 \pm 0.002$

$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 14.2386$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.0137$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 2K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True, w.rand.inf. = True,  $N_{\text{connect}} = 0$ ,  $f_{\text{work/other}} = 0.6426$ ,  $N_{\text{contacts}_{\max}} = 0$   
 $N_{\text{events}} = 2.14K$ , event<sub>size<sub>max</sub></sub> = 10, event<sub>size<sub>mean</sub></sub> = 4.288, event <sub>$\beta$ scaling</sub> = 5.0, event<sub>weekendmultiplier</sub> = 2.0  
do<sub>int.</sub> = True, int. = [3, 4, 5, 6], f<sub>dailytests</sub> = 0.01, test<sub>delay</sub> = [0, 0, 25]  
chance<sub>find.inf.</sub> = [0.0, 0.15, 0.15, 0.15, 0.0], days<sub>look.back</sub> = 7, tracking<sub>delay</sub> = 10

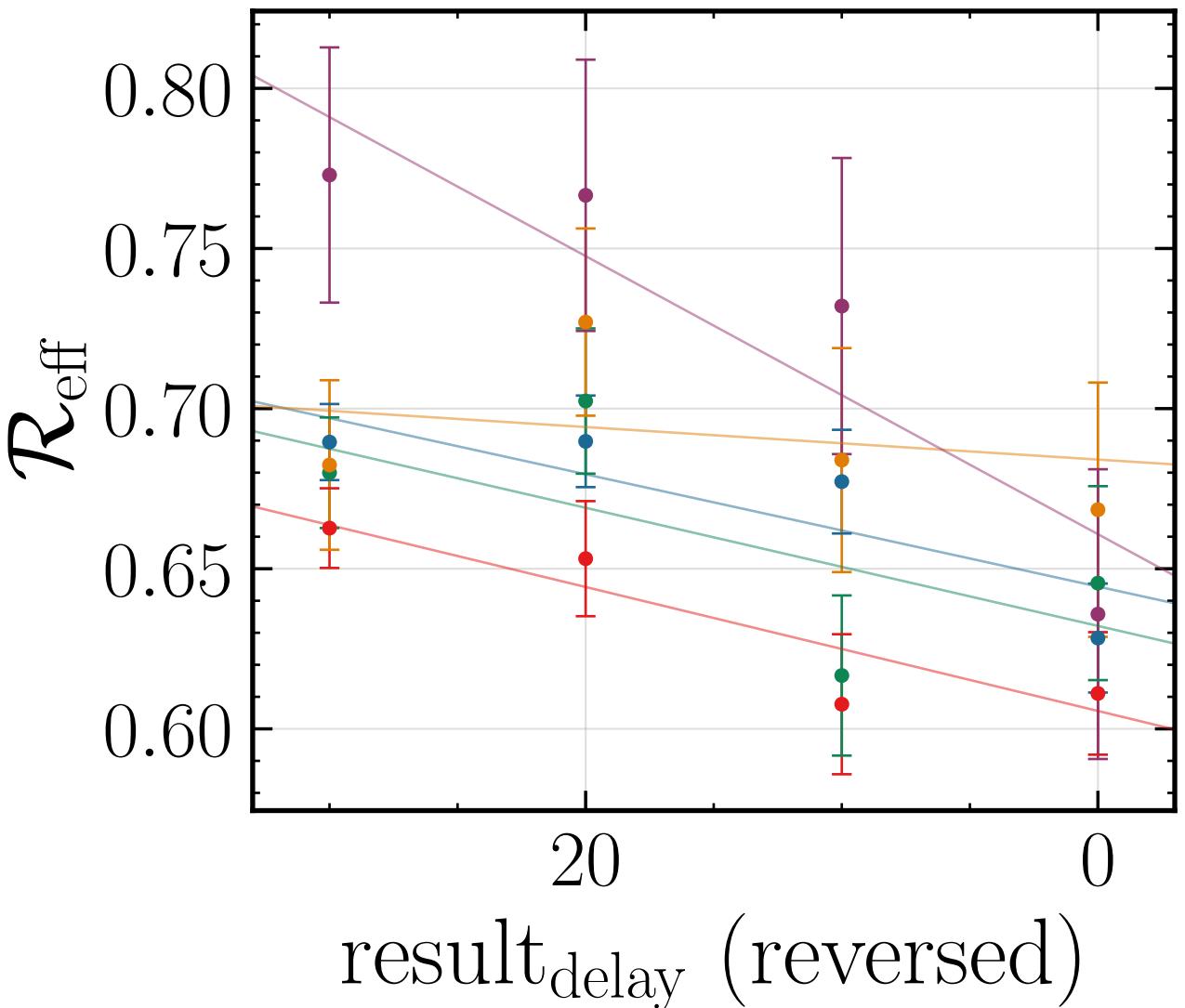
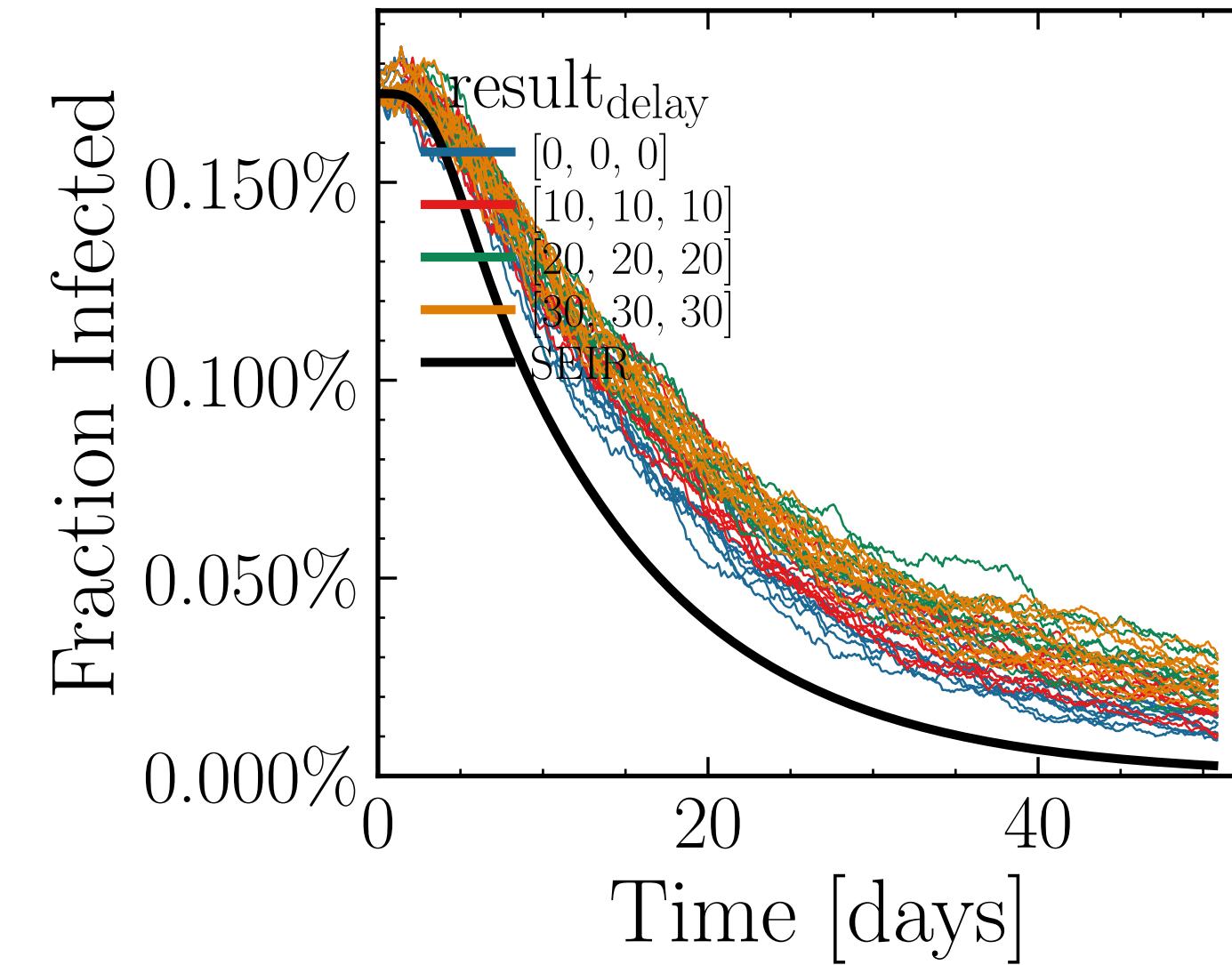


Day: 20, a=0.0026 ± 0.0008
Day: 25, a=0.0015 ± 0.0009
Day: 30, a=0.0024 ± 0.0009
Day: 35, a=0.001 ± 0.001
Day: 40, a=0.001 ± 0.001

$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 12.8799$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.0108$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 2K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True, w.rand.inf. = True,  $N_{\text{connect}} = 0$ ,  $f_{\text{work/other}} = 0.5534$ ,  $N_{\text{contacts}_{\max}} = 0$   
 $N_{\text{events}} = 3.17K$ ,  $\text{event}_{\text{size}_{\max}} = 10$ ,  $\text{event}_{\text{size}_{\text{mean}}} = 4.4321$ ,  $\text{event}_{\beta_{\text{scaling}}} = 5.0$ ,  $\text{event}_{\text{weekend}_{\text{multiplier}}} = 2.0$   
do\_int. = True, int. = [3, 4, 5, 6],  $f_{\text{dailytests}} = 0.01$ , test\_delay = [0, 0, 25]  
chance\_fnd.inf. = [0.0, 0.15, 0.15, 0.15, 0.0], days\_look.back = 7, tracking\_delay = 10

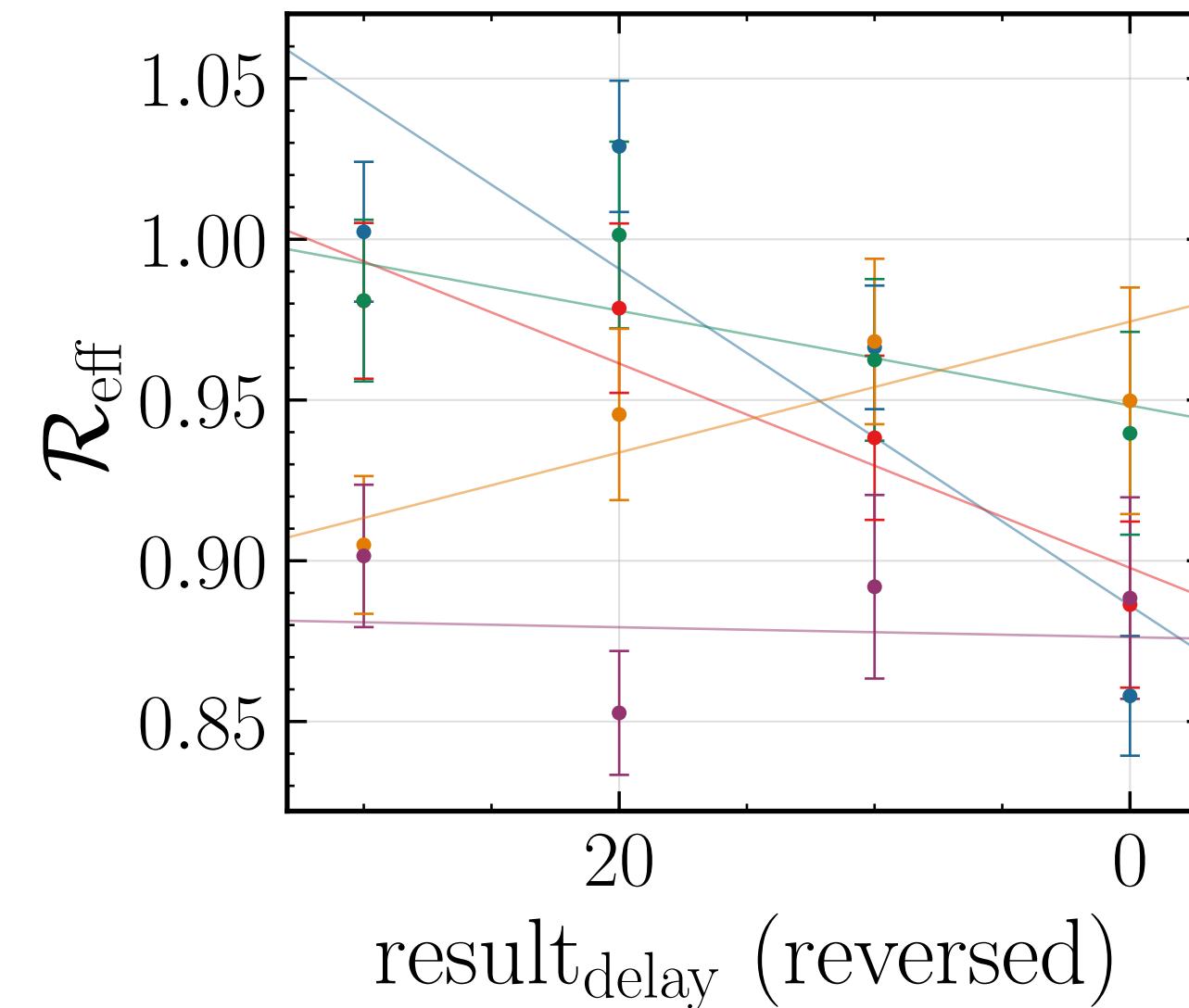
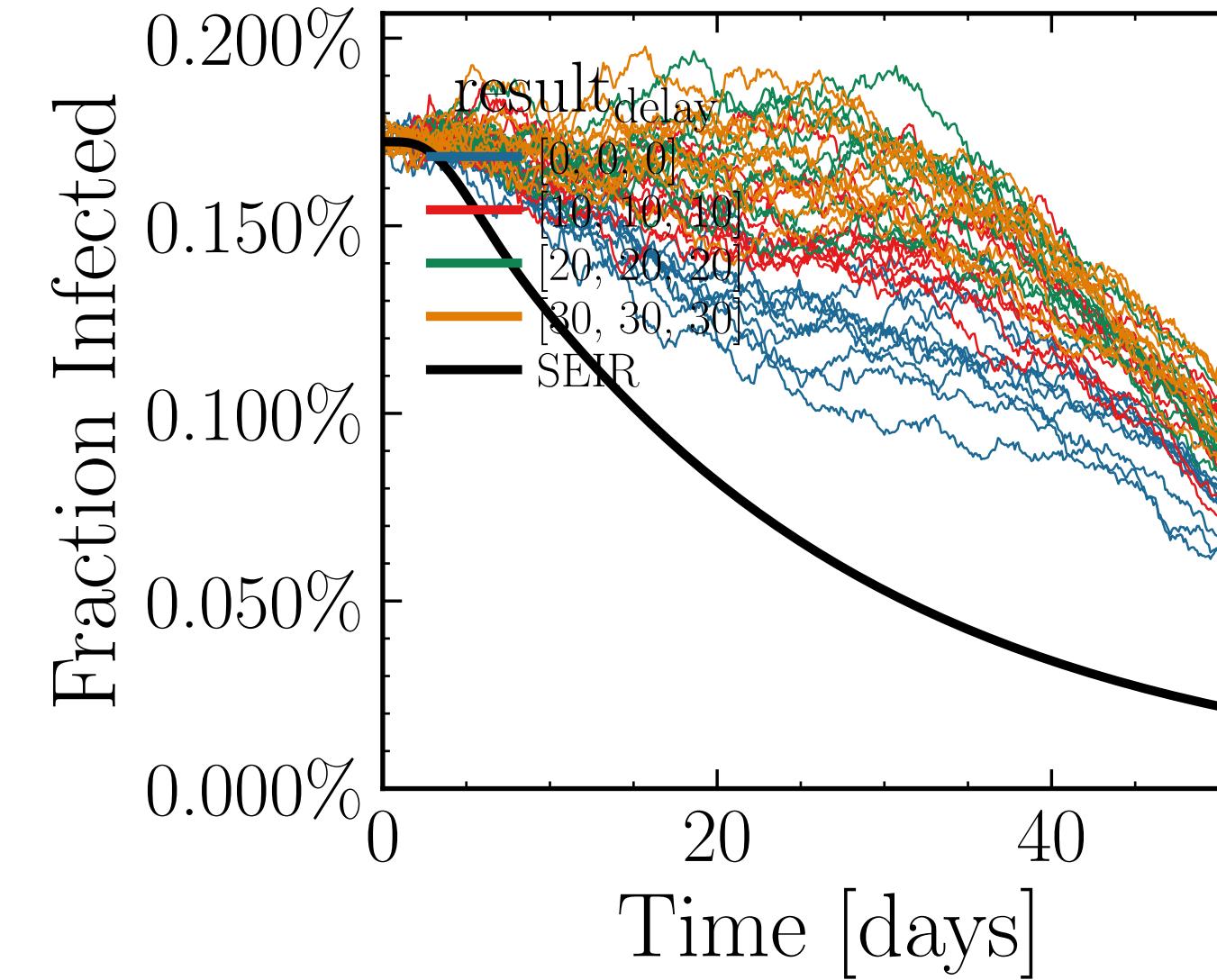


$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 12.9828$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.0106$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 2K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True, w.rand.inf. = True,  $N_{\text{connect}}^{\text{retries}} = 0$ ,  $f_{\text{work/other}} = 0.628$ ,  $N_{\text{contacts}_{\max}} = 0$   
 $N_{\text{events}} = 3.09K$ ,  $\text{event}_{\text{size}_{\max}} = 10$ ,  $\text{event}_{\text{size}_{\text{mean}}} = 3.2709$ ,  $\text{event}_{\beta_{\text{scaling}}} = 5.0$ ,  $\text{event}_{\text{weekend}_{\text{multiplier}}} = 2.0$   
do\_int. = True, int. = [3, 4, 5, 6],  $f_{\text{dailytests}} = 0.01$ , test\_delay = [0, 0, 25]  
chance\_fnd.inf. = [0.0, 0.15, 0.15, 0.15, 0.0], days\_look.back = 7, tracking\_delay = 10



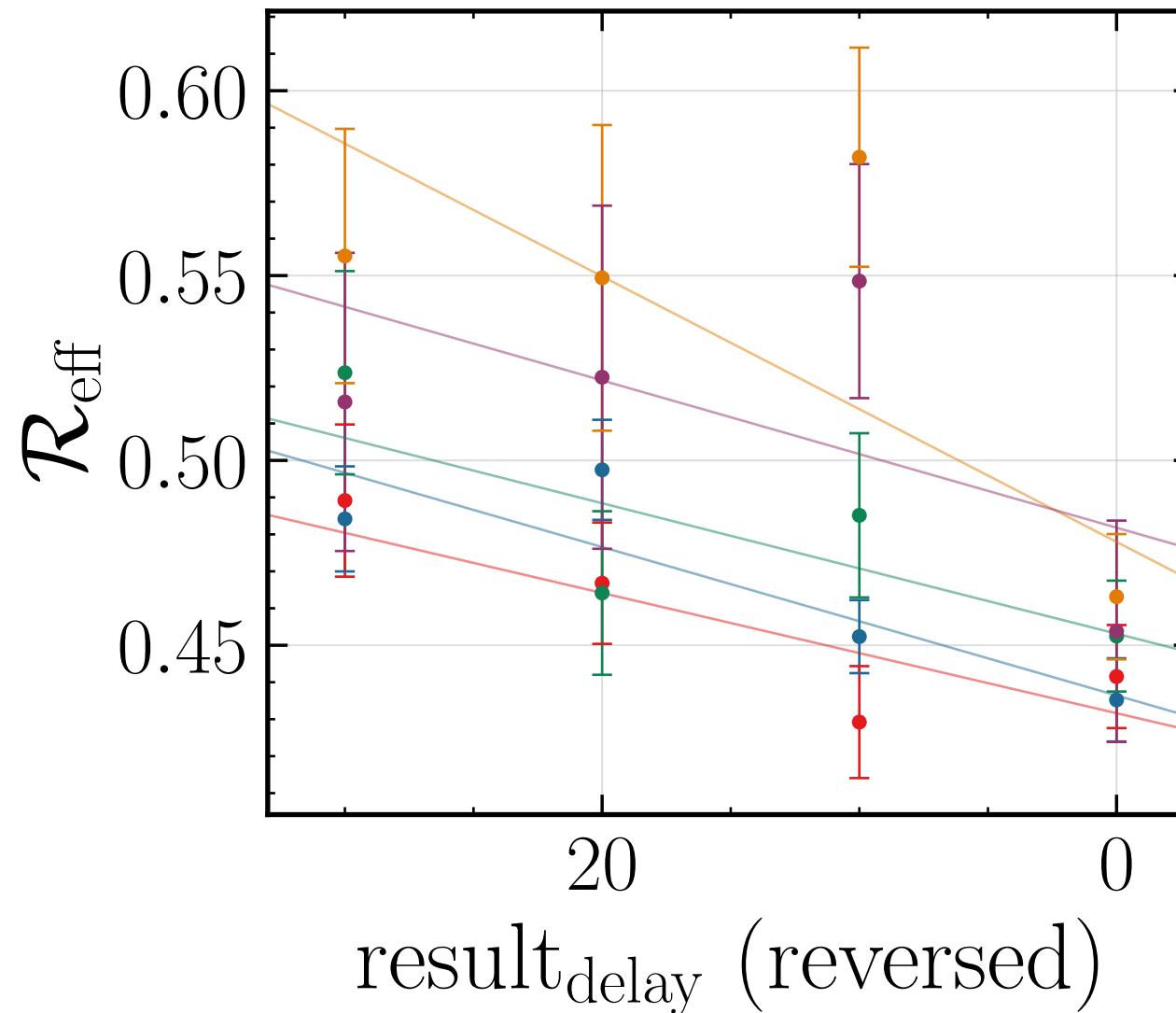
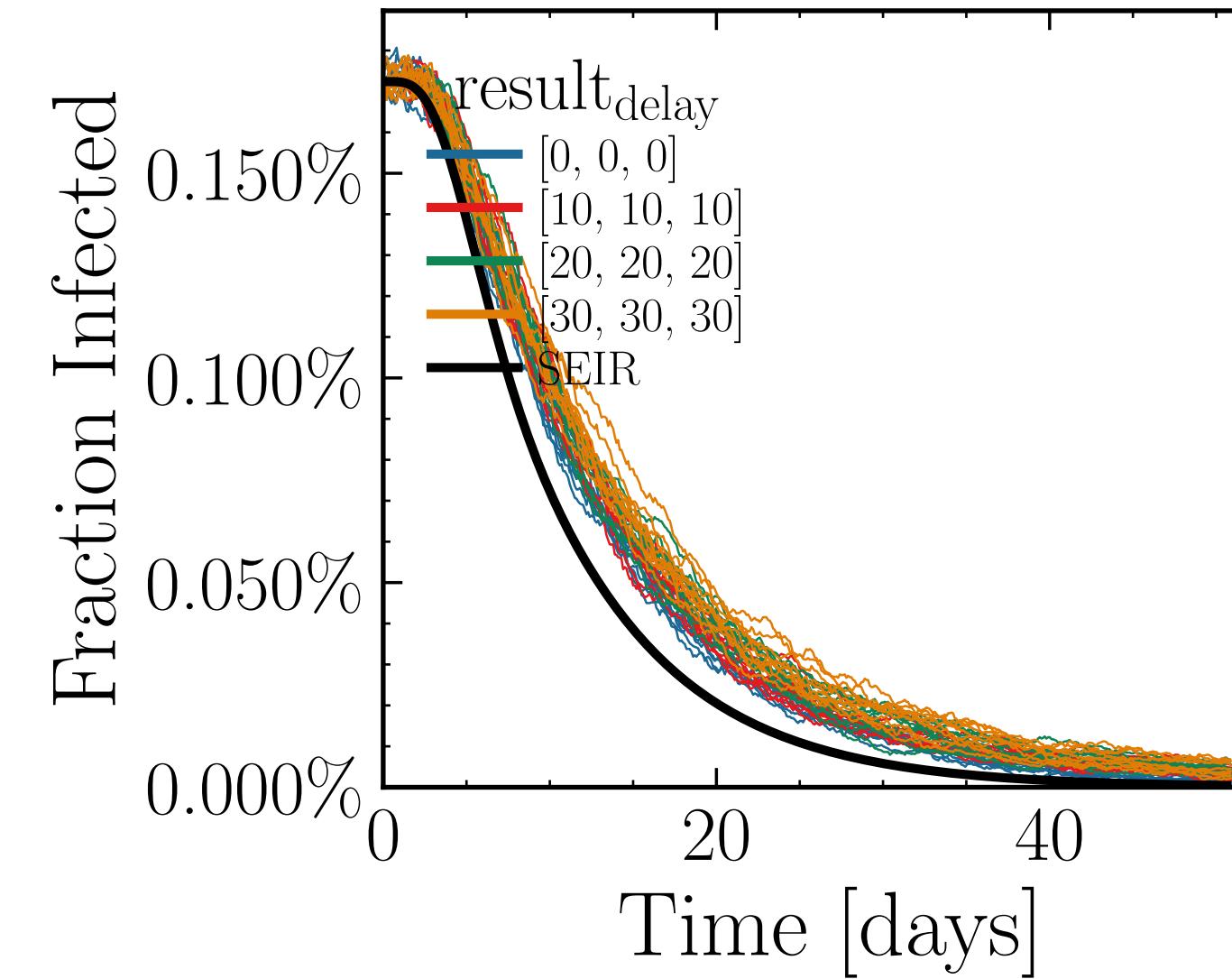
-  Day: 20,  $a=0.0018 \pm 0.0006$
-  Day: 25,  $a=0.0019 \pm 0.0007$
-  Day: 30,  $a=0.002 \pm 0.001$
-  Day: 35,  $a=0.001 \pm 0.001$
-  Day: 40,  $a=0.004 \pm 0.002$

$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 16.521$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.0114$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 2K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True, w.rand.inf. = True,  $N_{\text{connect}} = 0$ ,  $f_{\text{work/other}} = 0.5726$ ,  $N_{\text{contacts}_{\max}} = 0$   
 $N_{\text{events}} = 2.15K$ ,  $\text{event}_{\text{size}_{\max}} = 10$ ,  $\text{event}_{\text{size}_{\text{mean}}} = 4.3064$ ,  $\text{event}_{\beta_{\text{scaling}}} = 5.0$ ,  $\text{event}_{\text{weekend}_{\text{multiplier}}} = 2.0$   
do\_int. = True, int. = [3, 4, 5, 6],  $f_{\text{dailytests}} = 0.01$ , test\_delay = [0, 0, 25]  
chance\_fnd.inf. = [0.0, 0.15, 0.15, 0.15, 0.0], days\_look.back = 7, tracking\_delay = 10



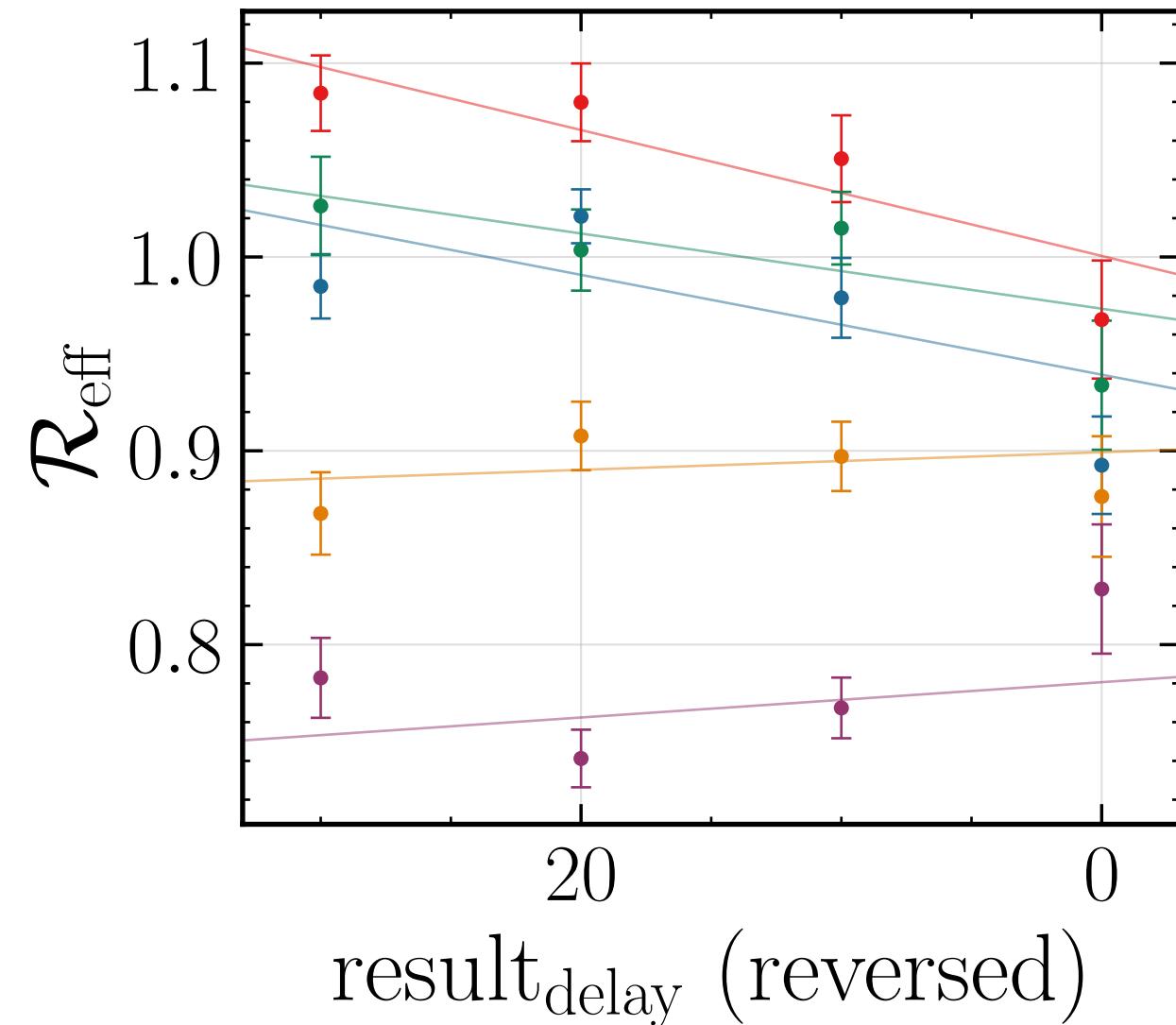
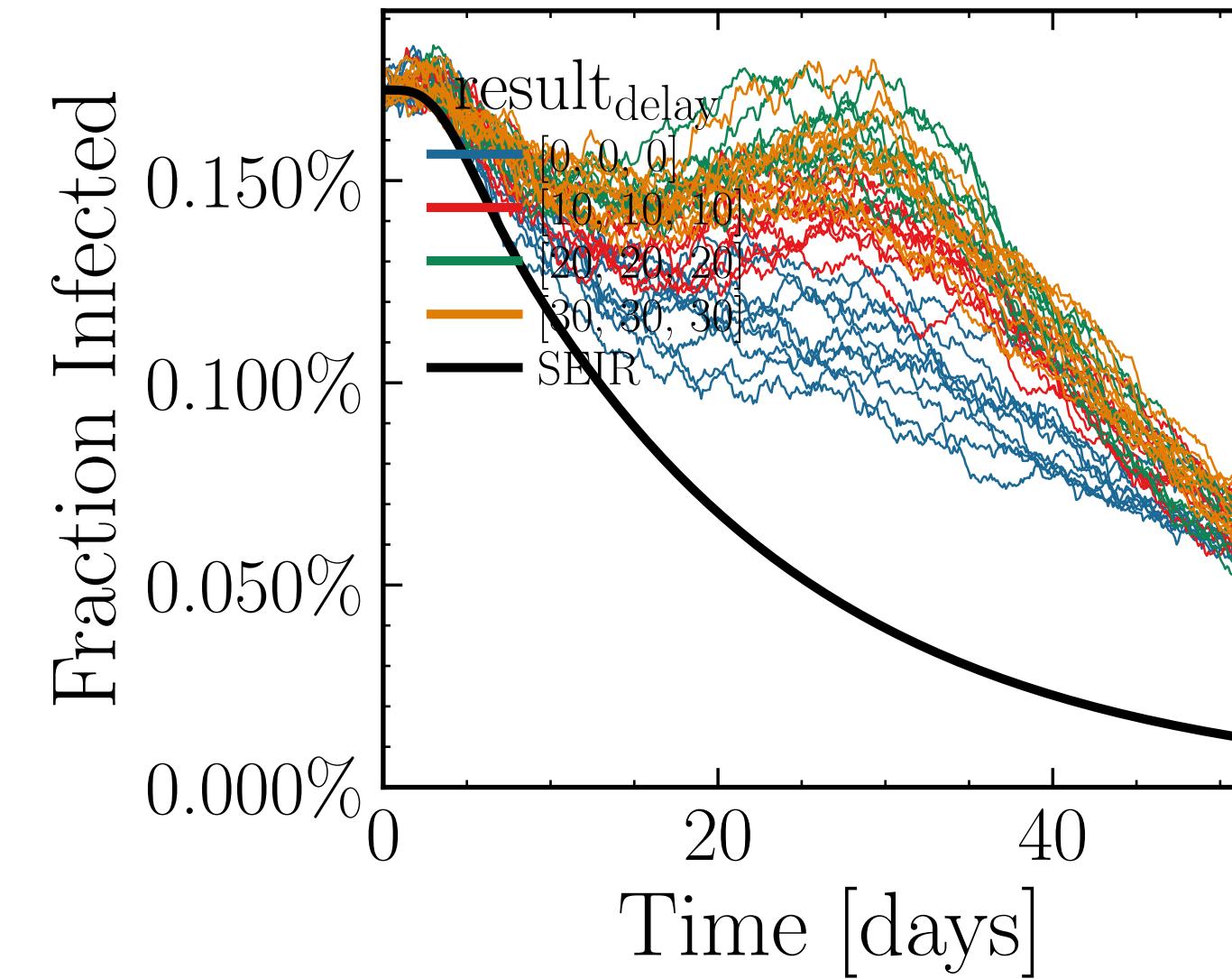
- Day: 20,  $a=0.0052 \pm 0.0009$
- Day: 25,  $a=0.003 \pm 0.001$
- Day: 30,  $a=0.001 \pm 0.001$
- Day: 35,  $a=-0.002 \pm 0.001$
- Day: 40,  $a=0.000 \pm 0.001$

$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 11.6249$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.0089$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 2K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True, w.rand.inf. = True,  $N_{\text{connect}} = 0$ ,  $f_{\text{work/other}} = 0.6462$ ,  $N_{\text{contacts}_{\max}} = 0$   
 $N_{\text{events}} = 2.44K$ ,  $\text{event}_{\text{size}_{\max}} = 10$ ,  $\text{event}_{\text{size}_{\text{mean}}} = 4.7363$ ,  $\text{event}_{\beta_{\text{scaling}}} = 5.0$ ,  $\text{event}_{\text{weekend}_{\text{multiplier}}} = 2.0$   
do\_int. = True, int. = [3, 4, 5, 6],  $f_{\text{dailytests}} = 0.01$ , test\_delay = [0, 0, 25]  
chance\_fnd.inf. = [0.0, 0.15, 0.15, 0.15, 0.0], days\_look.back = 7, tracking\_delay = 10

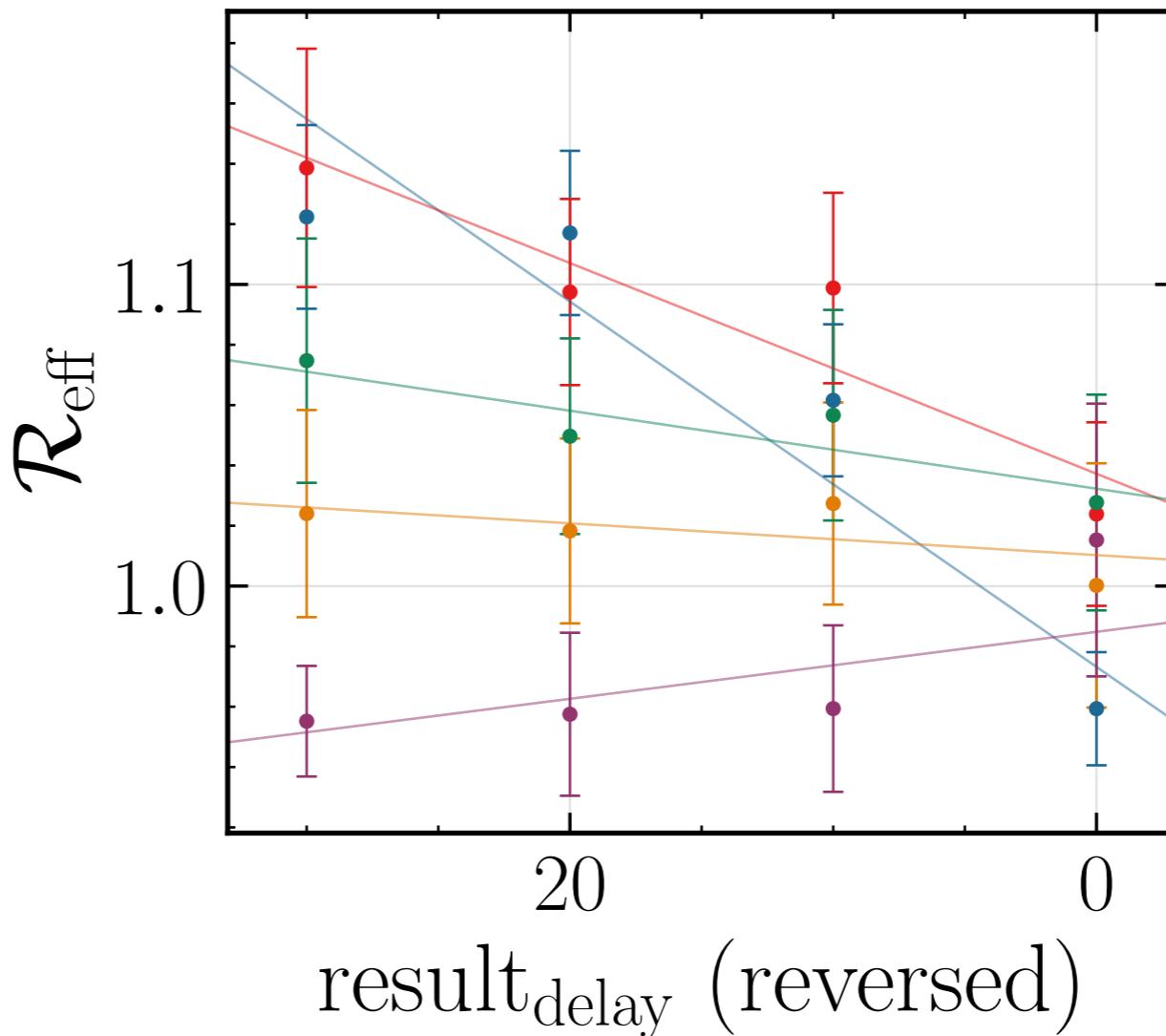
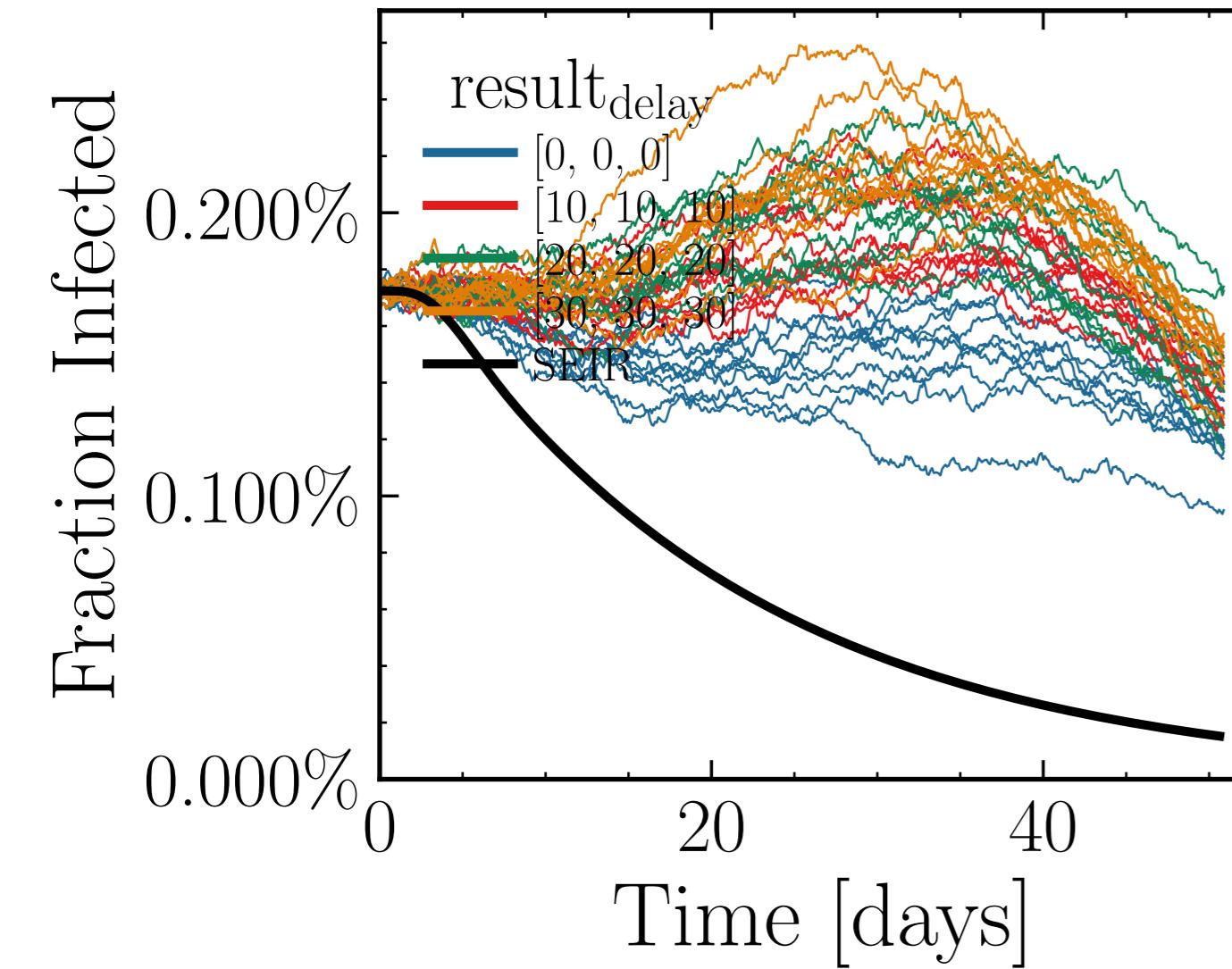


- Day: 20,  $a=0.0020 \pm 0.0006$
- Day: 25,  $a=0.0016 \pm 0.0008$
- Day: 30,  $a=0.0018 \pm 0.0009$
- Day: 35,  $a=0.004 \pm 0.001$
- Day: 40,  $a=0.002 \pm 0.002$

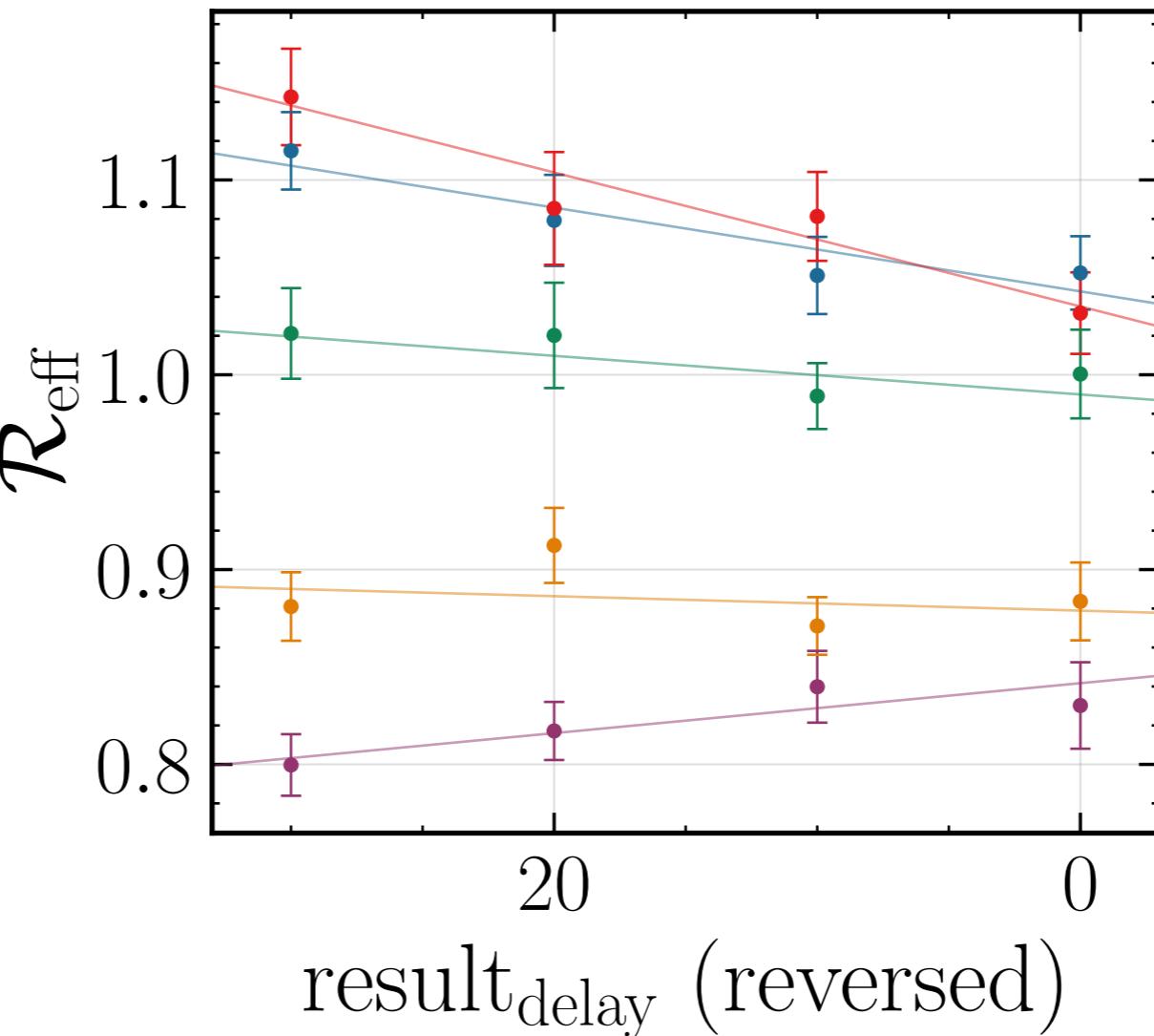
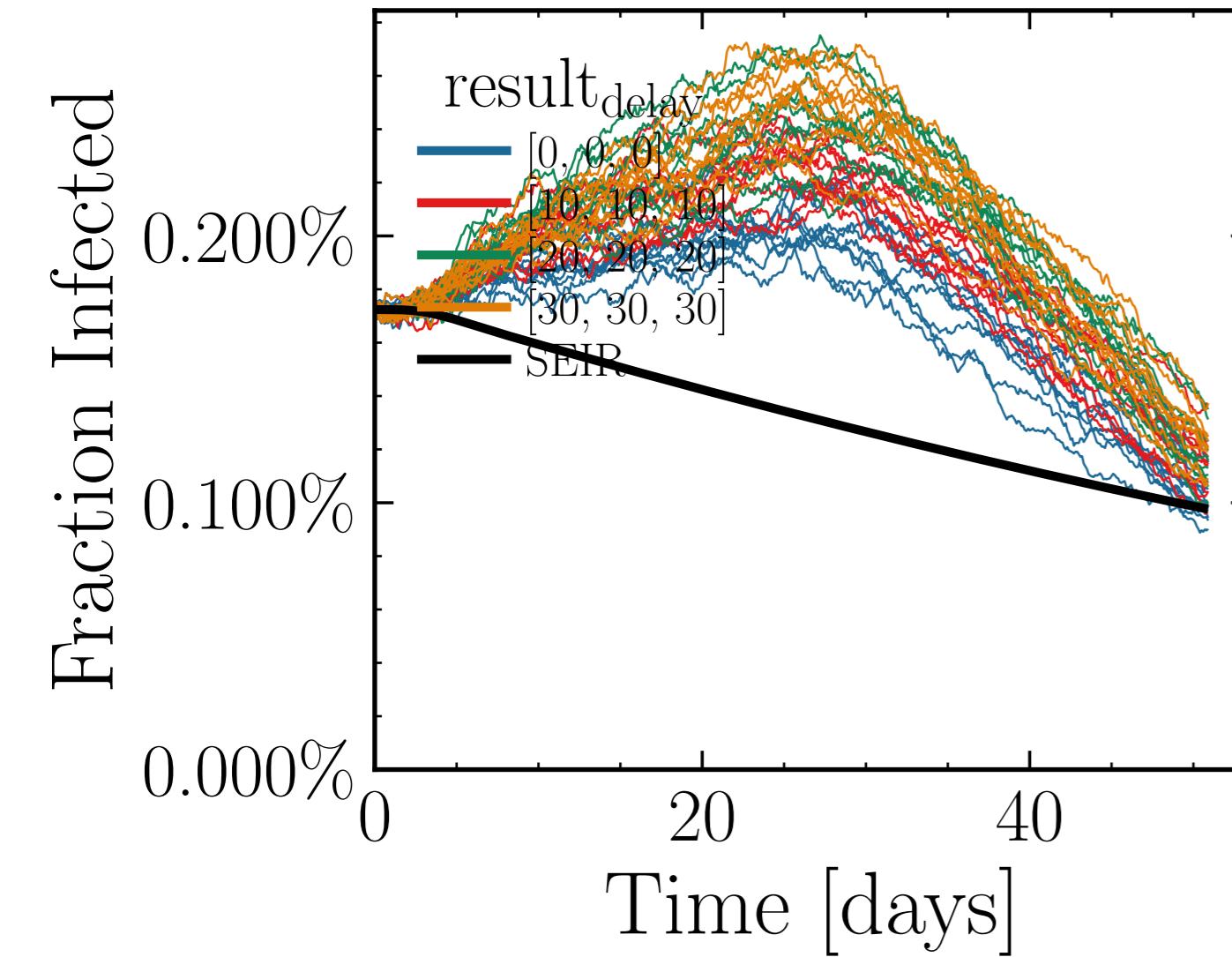
$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 19.8404$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.0088$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 2K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True, w.rand.inf. = True,  $N_{\text{connect}} = 0$ ,  $f_{\text{work/other}} = 0.5041$ ,  $N_{\text{contacts}_{\max}} = 0$   
 $N_{\text{events}} = 2.01K$ ,  $\text{event}_{\text{size}_{\max}} = 10$ ,  $\text{event}_{\text{size}_{\text{mean}}} = 3.1945$ ,  $\text{event}_{\beta_{\text{scaling}}} = 5.0$ ,  $\text{event}_{\text{weekend}_{\text{multiplier}}} = 2.0$   
do\_int. = True, int. = [3, 4, 5, 6],  $f_{\text{dailytests}} = 0.01$ , test\_delay = [0, 0, 25]  
chance\_fnd.inf. = [0.0, 0.15, 0.15, 0.15, 0.0], days\_look.back = 7, tracking\_delay = 10



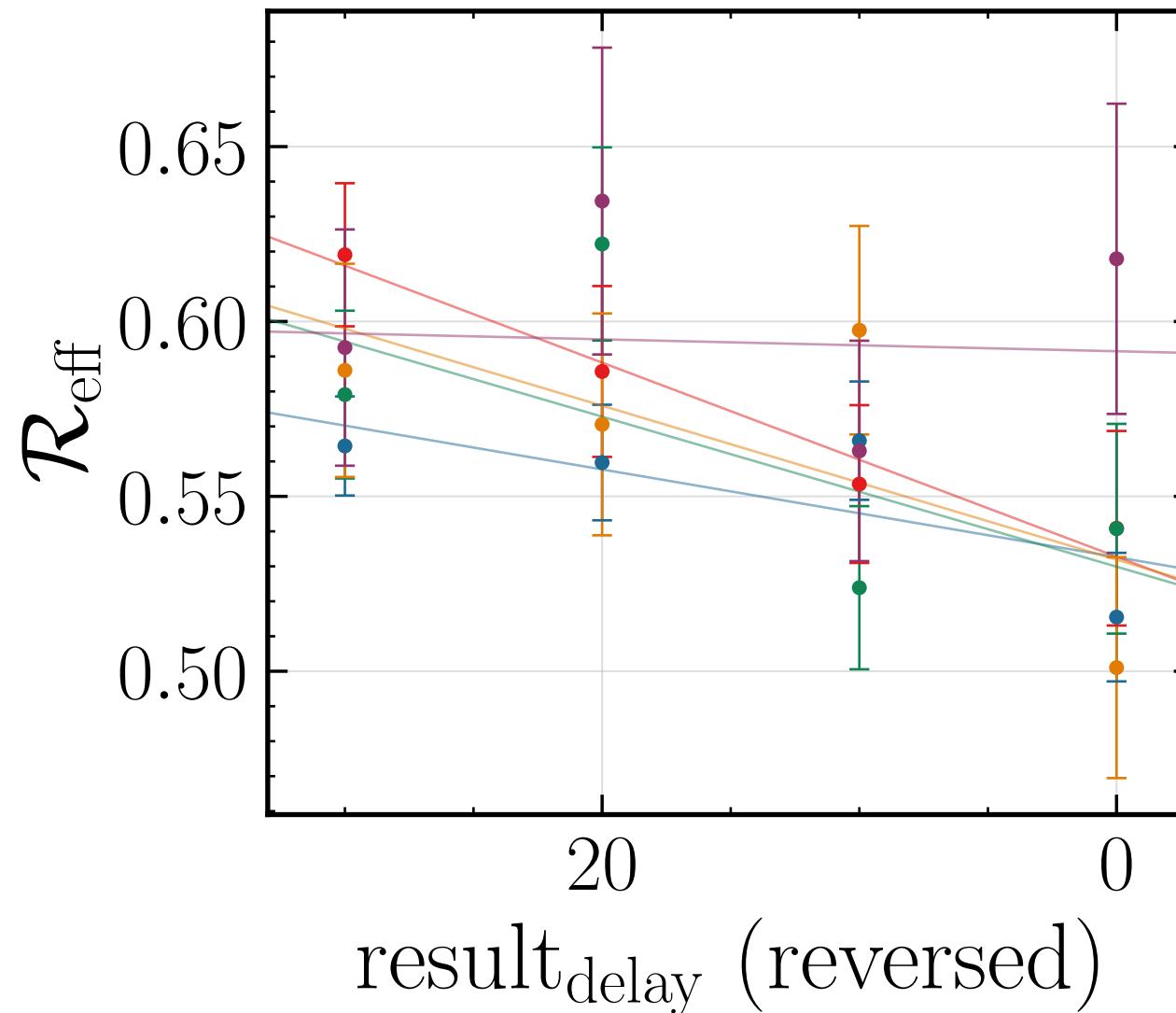
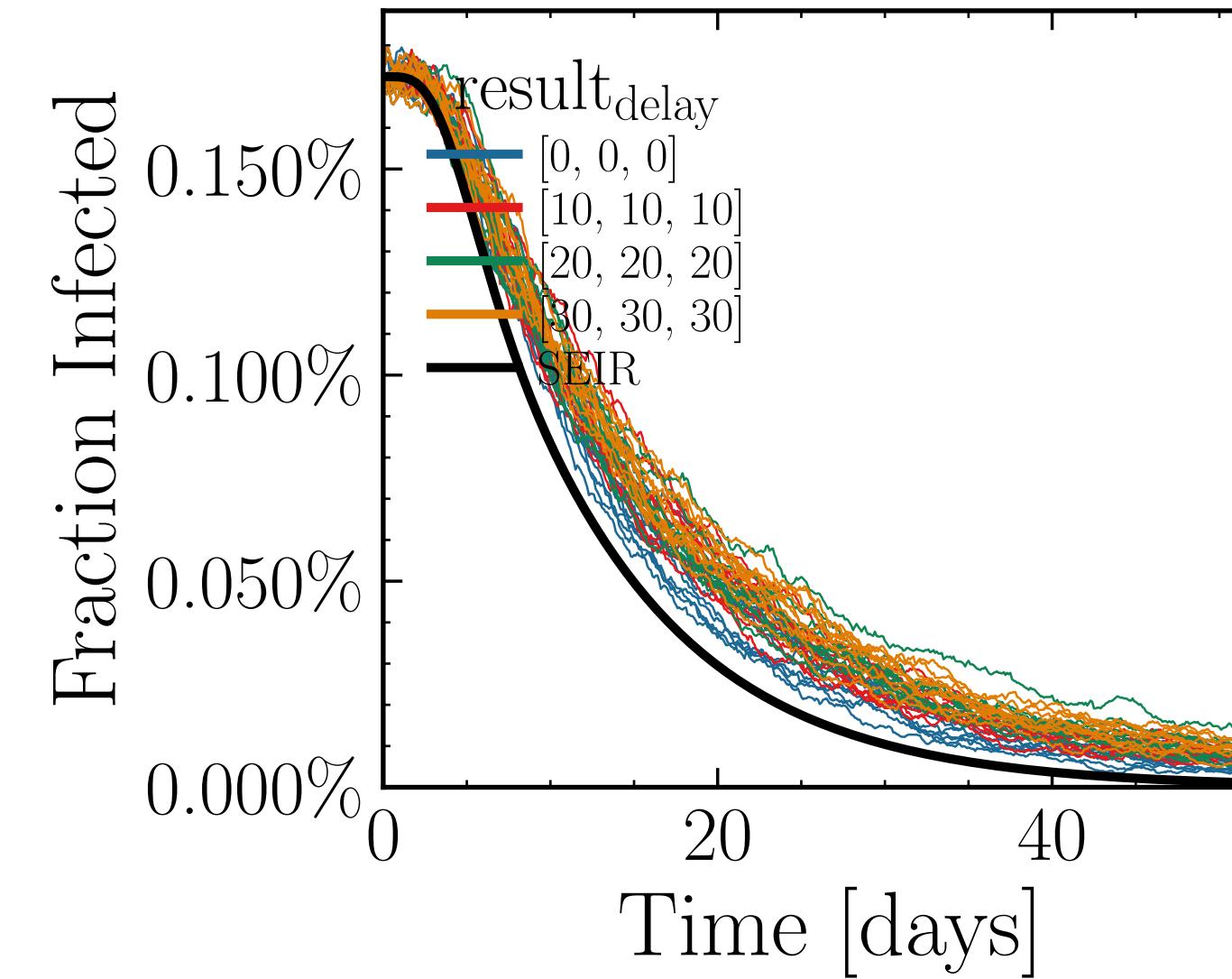
$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 14.114$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.0127$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 2K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True, w.rand.inf. = True,  $N_{\text{connect}}^{\text{retries}} = 0$ ,  $f_{\text{work/other}} = 0.456$ ,  $N_{\text{contacts}_{\max}} = 0$   
 $N_{\text{events}} = 3.71K$ , event<sub>size<sub>max</sub></sub> = 10, event<sub>size<sub>mean</sub></sub> = 4.7299, event <sub>$\beta$ scaling</sub> = 5.0, event<sub>weekendmultiplier</sub> = 2.0  
do<sub>int.</sub> = True, int. = [3, 4, 5, 6], f<sub>dailytests</sub> = 0.01, test<sub>delay</sub> = [0, 0, 25]  
chance<sub>find.inf.</sub> = [0.0, 0.15, 0.15, 0.15, 0.0], days<sub>look.back</sub> = 7, tracking<sub>delay</sub> = 10



$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 19.1948$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.0122$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 2K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True, w.rand.inf. = True,  $N_{\text{connect}} = 0$ ,  $f_{\text{work/other}} = 0.6857$ ,  $N_{\text{contacts}_{\max}} = 0$   
 $N_{\text{events}} = 4.78K$ ,  $\text{event}_{\text{size}_{\max}} = 10$ ,  $\text{event}_{\text{size}_{\text{mean}}} = 3.2005$ ,  $\text{event}_{\beta_{\text{scaling}}} = 5.0$ ,  $\text{event}_{\text{weekend}_{\text{multiplier}}} = 2.0$   
do\_int. = True, int. = [3, 4, 5, 6],  $f_{\text{dailytests}} = 0.01$ , test\_delay = [0, 0, 25]  
chance\_find.inf. = [0.0, 0.15, 0.15, 0.15, 0.0], days\_look.back = 7, tracking\_delay = 10

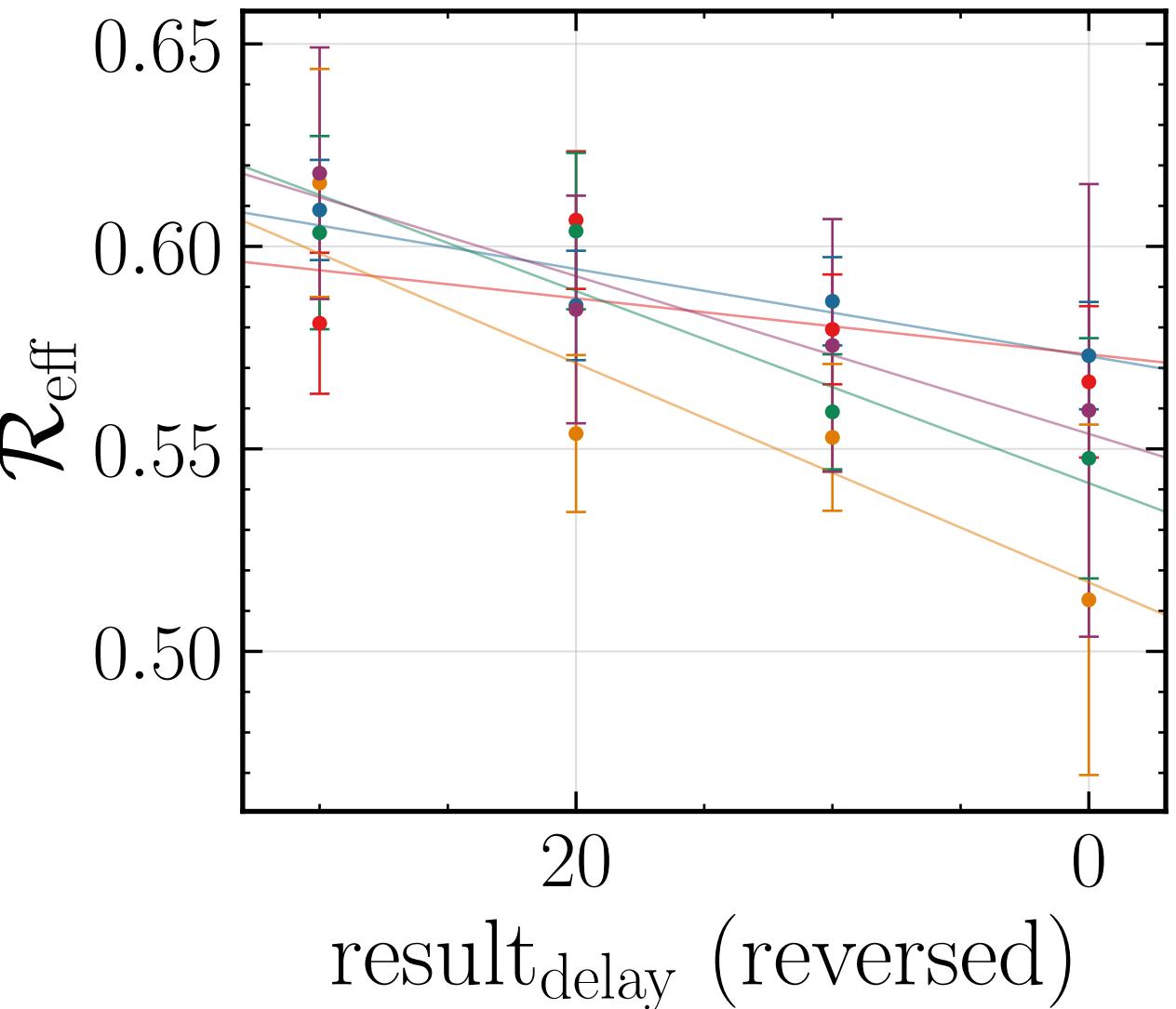
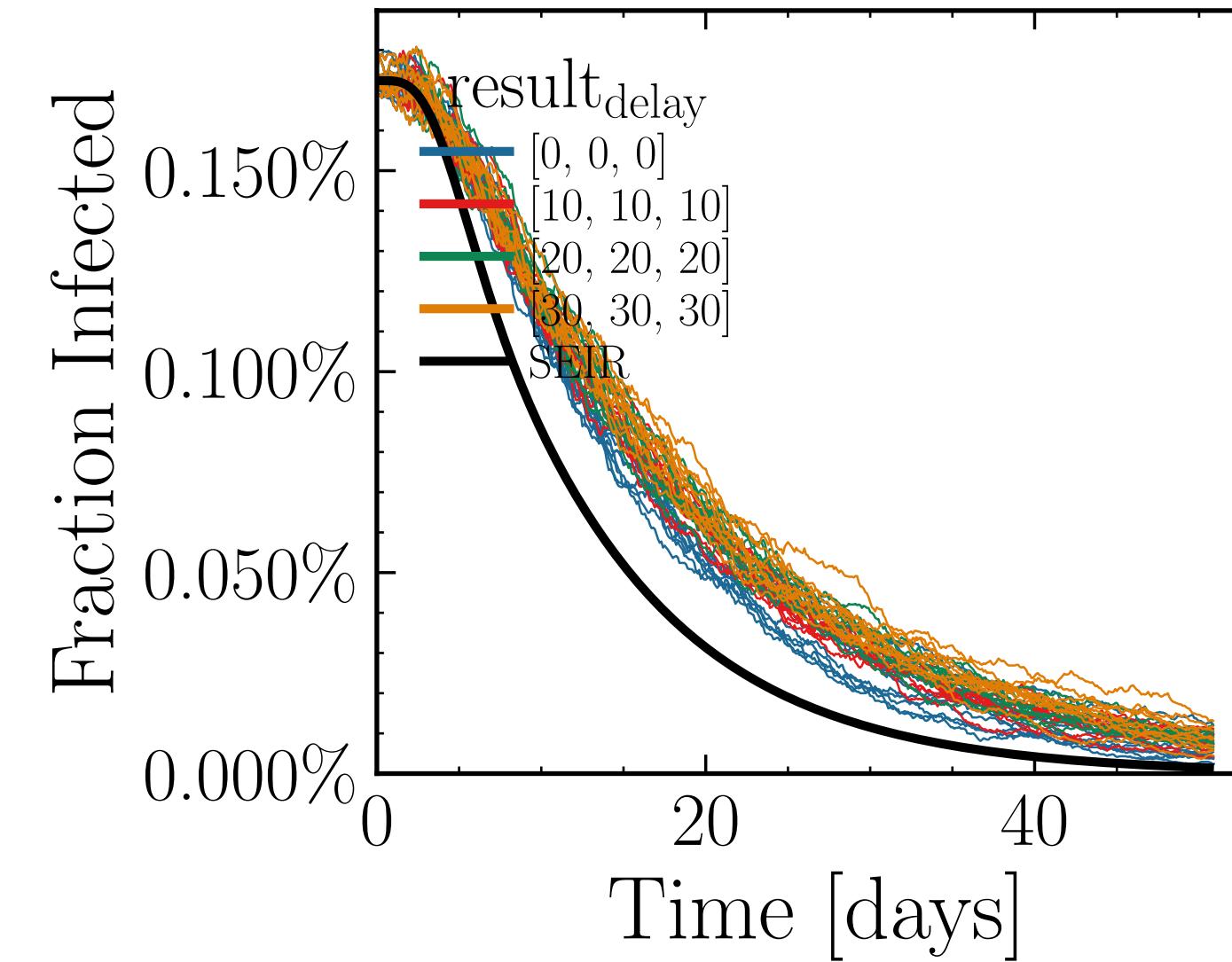


$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 14.5354$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.0084$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 2K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True, w.rand.inf. = True,  $N_{\text{connect}} = 0$ ,  $f_{\text{work/other}} = 0.6888$ ,  $N_{\text{contacts}_{\max}} = 0$   
 $N_{\text{events}} = 1.81K$ ,  $\text{event}_{\text{size}_{\max}} = 10$ ,  $\text{event}_{\text{size}_{\text{mean}}} = 4.3949$ ,  $\text{event}_{\beta_{\text{scaling}}} = 5.0$ ,  $\text{event}_{\text{weekend}_{\text{multiplier}}} = 2.0$   
do\_int. = True, int. = [3, 4, 5, 6],  $f_{\text{dailytests}} = 0.01$ , test\_delay = [0, 0, 25]  
chance\_fnd.inf. = [0.0, 0.15, 0.15, 0.15, 0.0], days\_look.back = 7, tracking\_delay = 10



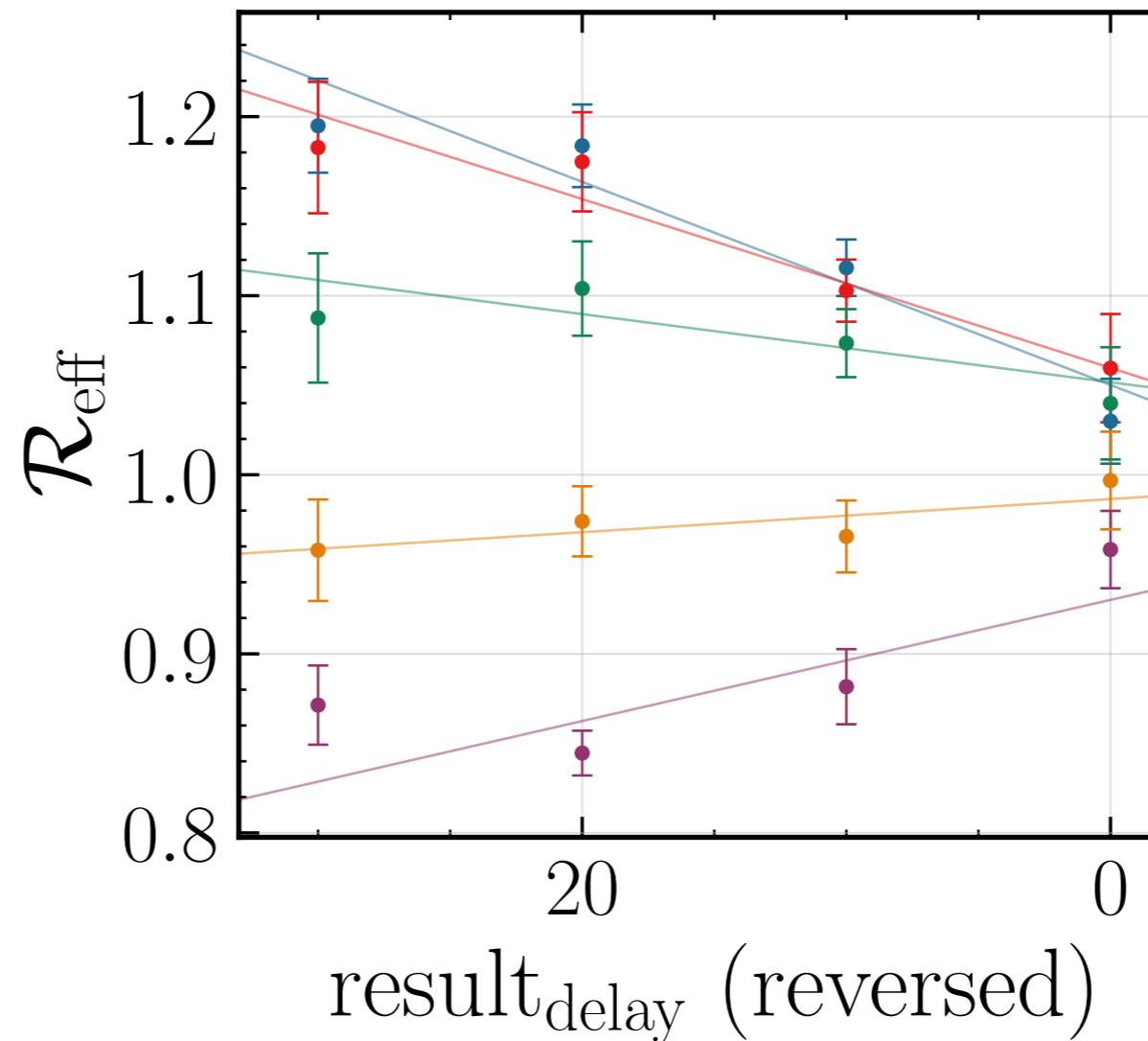
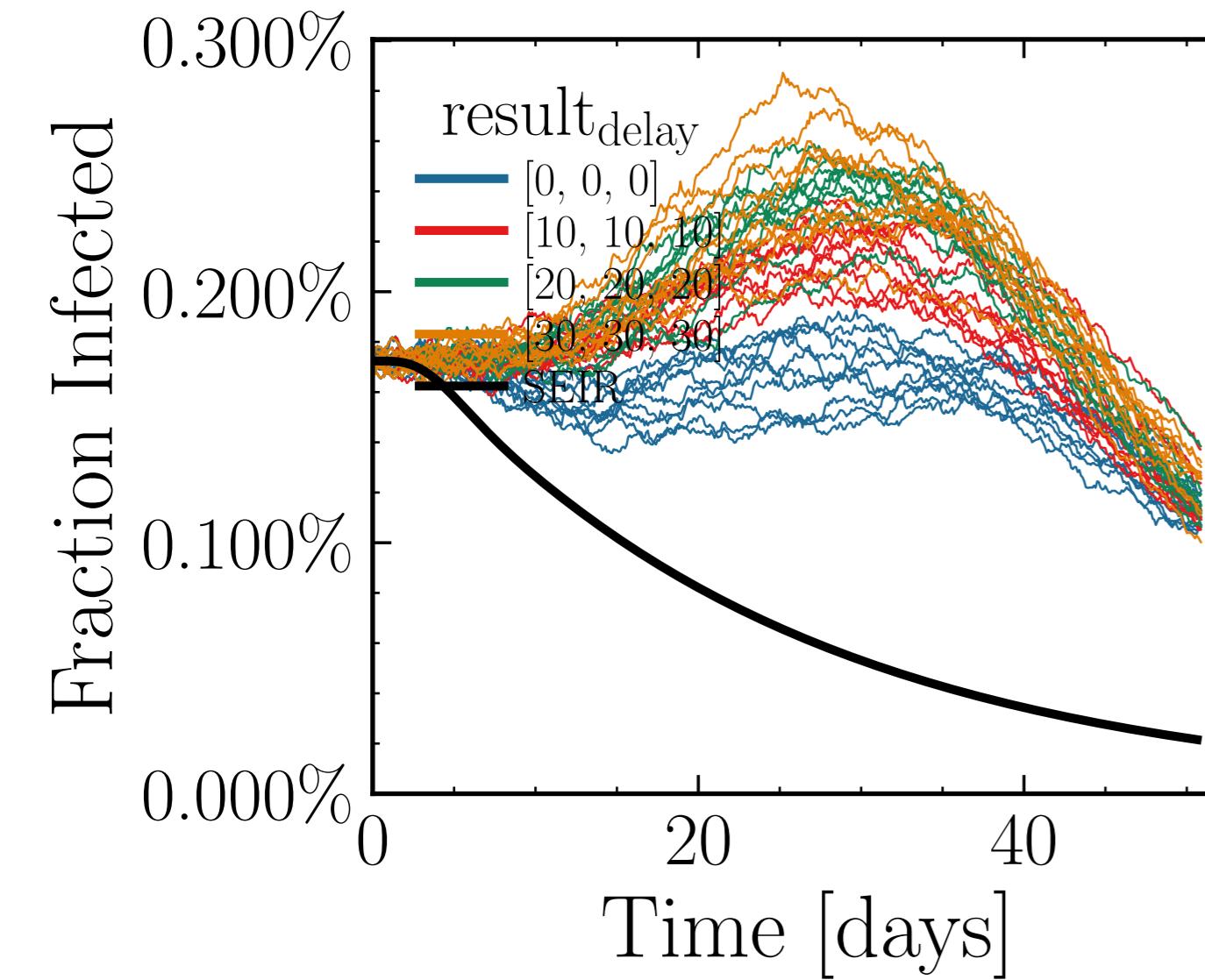
-  Day: 20,  $a=0.0013 \pm 0.0007$
-  Day: 25,  $a=0.003 \pm 0.001$
-  Day: 30,  $a=0.002 \pm 0.001$
-  Day: 35,  $a=0.002 \pm 0.001$
-  Day: 40,  $a=0.000 \pm 0.002$

$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 12.3074$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.0102$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 2K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True, w.rand.inf. = True,  $N_{\text{connect}}^{\text{retries}} = 0$ ,  $f_{\text{work/other}} = 0.706$ ,  $N_{\text{contacts}_{\max}} = 0$   
 $N_{\text{events}} = 3.92K$ ,  $\text{event}_{\text{size}_{\max}} = 10$ ,  $\text{event}_{\text{size}_{\text{mean}}} = 3.0333$ ,  $\text{event}_{\beta_{\text{scaling}}} = 5.0$ ,  $\text{event}_{\text{weekend}_{\text{multiplier}}} = 2.0$   
do\_int. = True, int. = [3, 4, 5, 6],  $f_{\text{dailytests}} = 0.01$ , test\_delay = [0, 0, 25]  
chance\_fnd.inf. = [0.0, 0.15, 0.15, 0.15, 0.0], days\_look.back = 7, tracking\_delay = 10

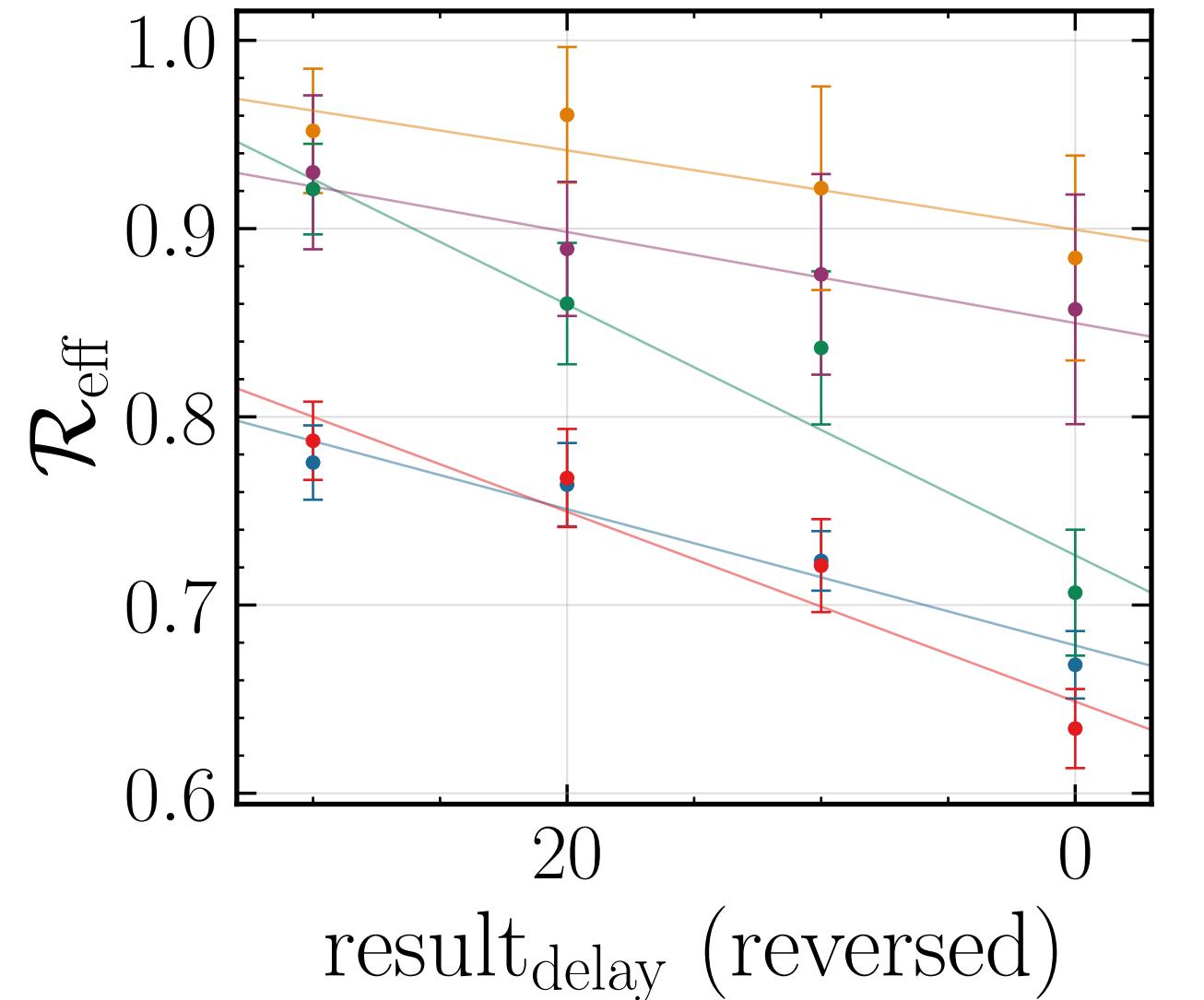
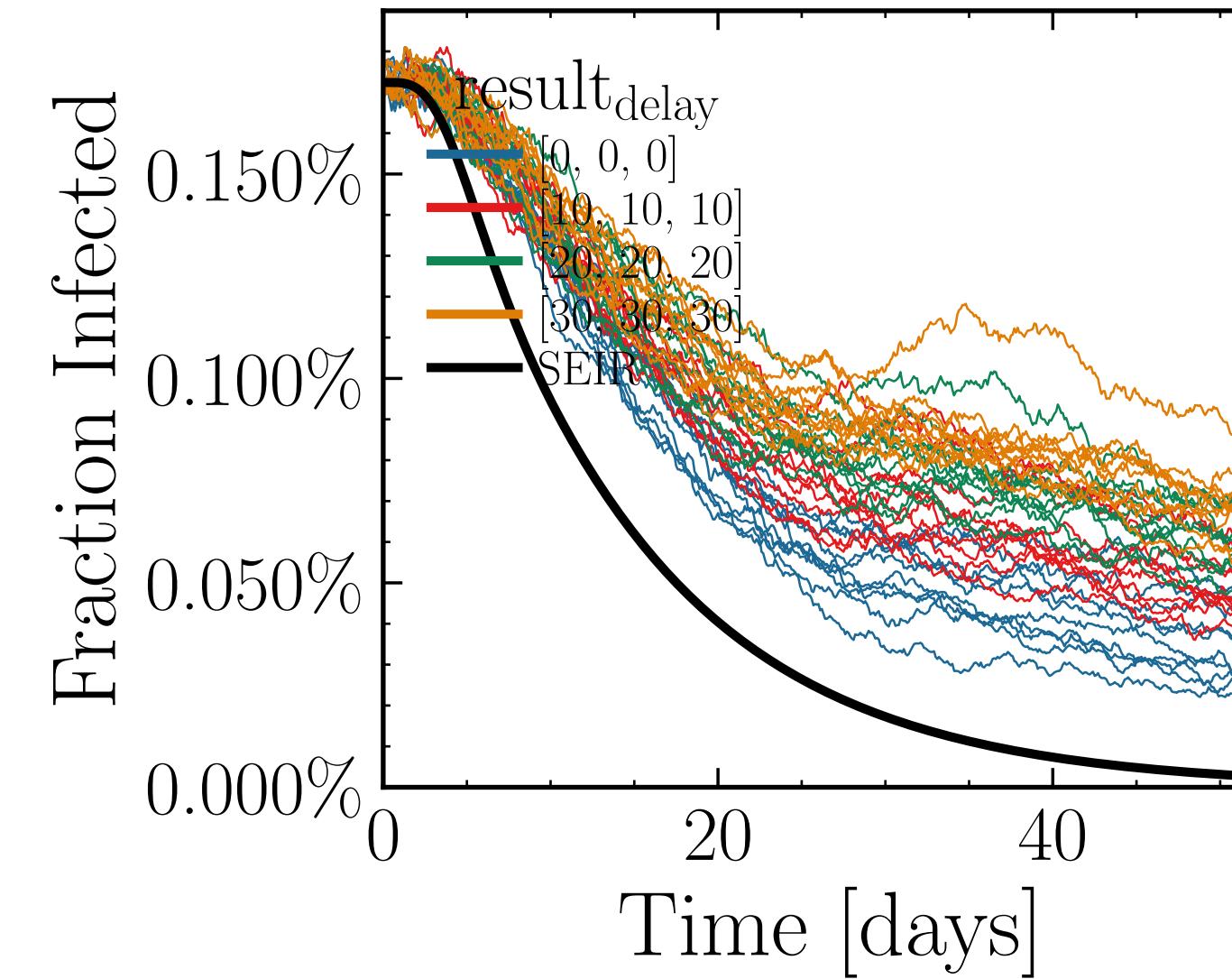


- Day: 20,  $a=0.0011 \pm 0.0006$
- Day: 25,  $a=0.0007 \pm 0.0008$
- Day: 30,  $a=0.002 \pm 0.001$
- Day: 35,  $a=0.003 \pm 0.001$
- Day: 40,  $a=0.002 \pm 0.002$

$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 15.2104$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.0124$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 2K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True, w.rand.inf. = True,  $N_{\text{connect}} = 0$ ,  $f_{\text{work/other}} = 0.4217$ ,  $N_{\text{contacts}_{\max}} = 0$   
 $N_{\text{events}} = 2.08K$ ,  $\text{event}_{\text{size}_{\max}} = 10$ ,  $\text{event}_{\text{size}_{\text{mean}}} = 3.3433$ ,  $\text{event}_{\beta_{\text{scaling}}} = 5.0$ ,  $\text{event}_{\text{weekend}_{\text{multiplier}}} = 2.0$   
do\_int. = True, int. = [3, 4, 5, 6],  $f_{\text{dailytests}} = 0.01$ , test\_delay = [0, 0, 25]  
chance\_find.inf. = [0.0, 0.15, 0.15, 0.15, 0.0], days\_look.back = 7, tracking\_delay = 10

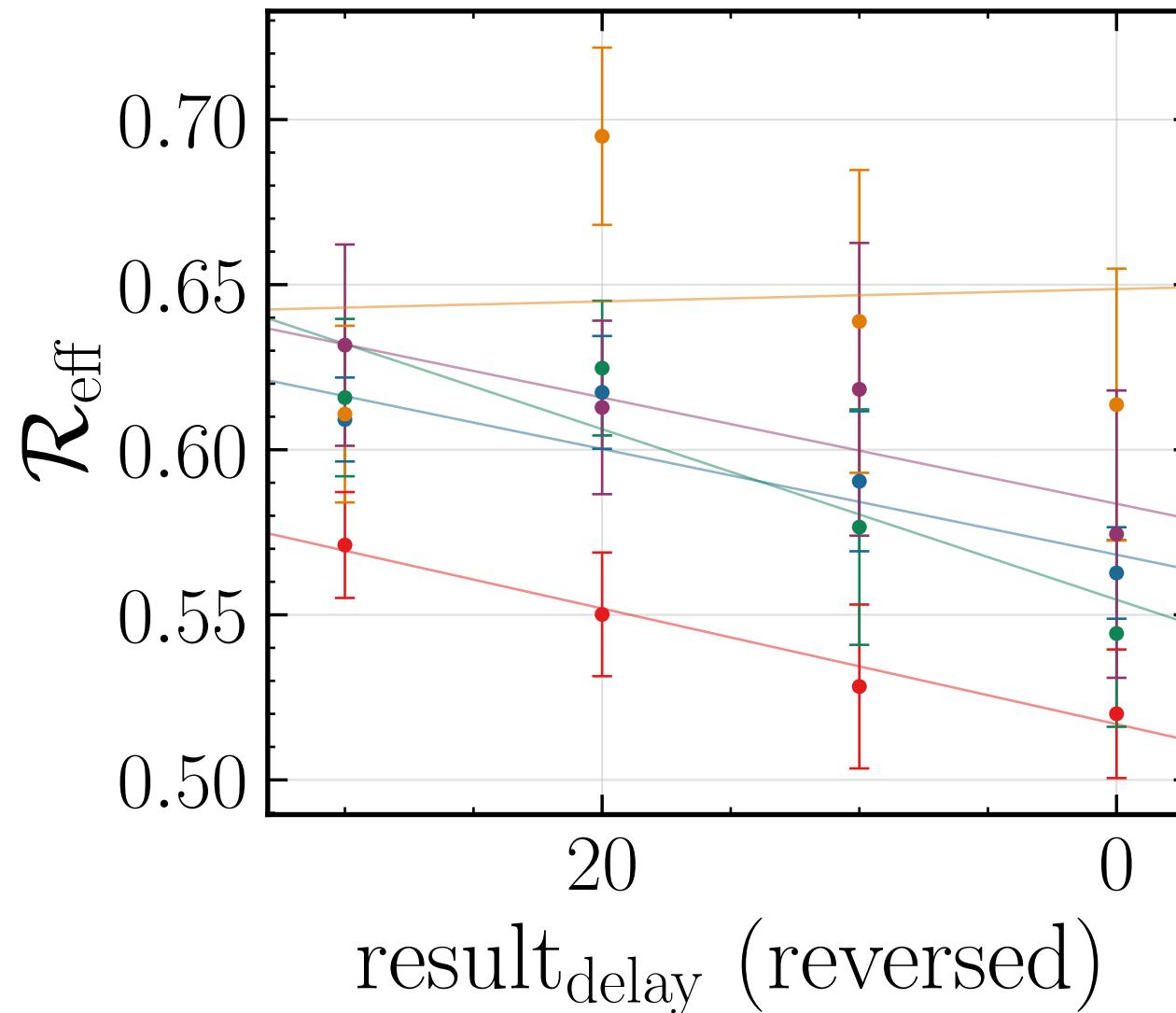
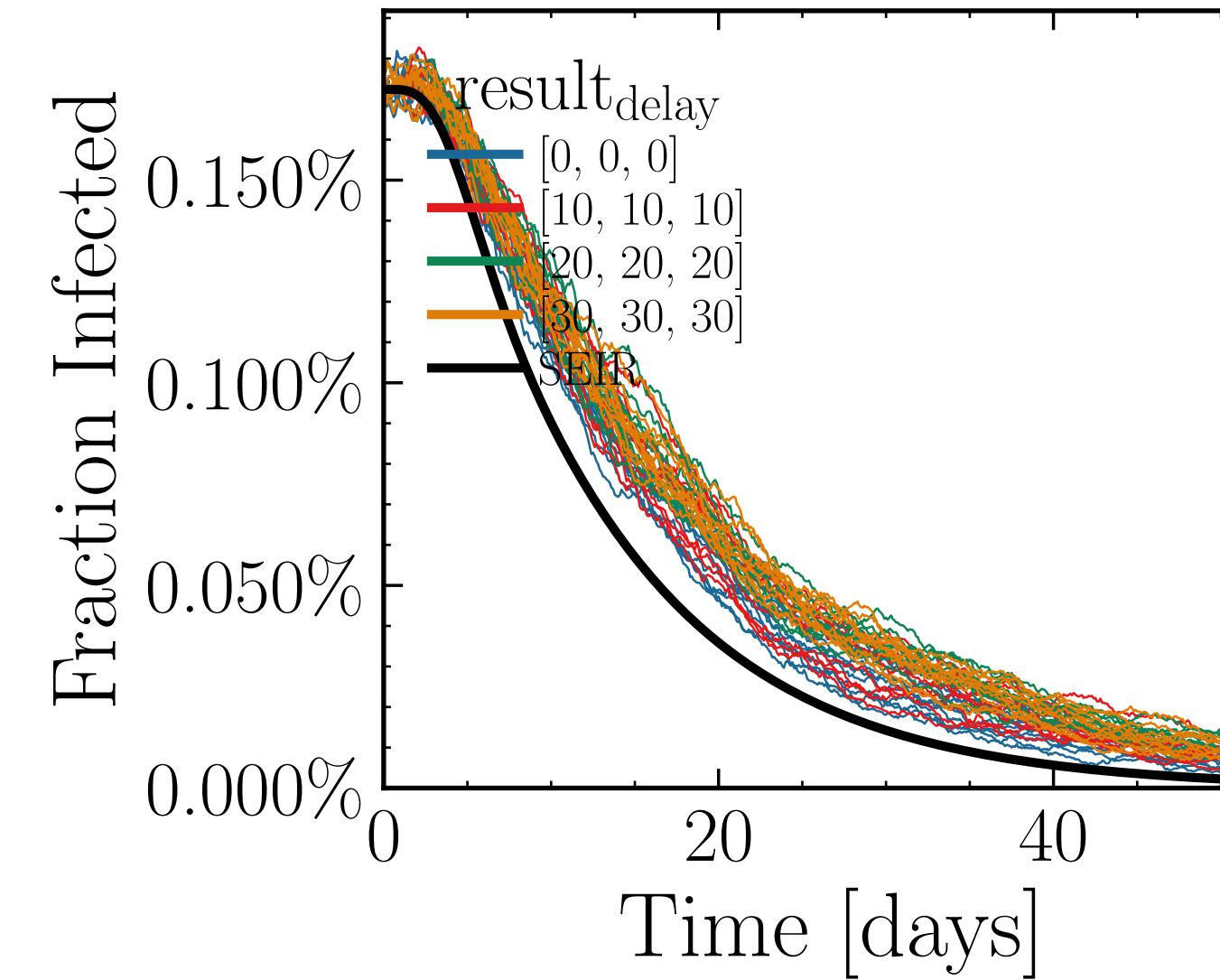


$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 10.3184$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.0136$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 2K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True, w.rand.inf. = True,  $N_{\text{connect}} = 0$ ,  $f_{\text{work/other}} = 0.4659$ ,  $N_{\text{contacts}_{\max}} = 0$   
 $N_{\text{events}} = 2.28K$ ,  $\text{event}_{\text{size}_{\max}} = 10$ ,  $\text{event}_{\text{size}_{\text{mean}}} = 4.4088$ ,  $\text{event}_{\beta_{\text{scaling}}} = 5.0$ ,  $\text{event}_{\text{weekend}_{\text{multiplier}}} = 2.0$   
do\_int. = True, int. = [3, 4, 5, 6],  $f_{\text{dailytests}} = 0.01$ , test\_delay = [0, 0, 25]  
chance\_fnd.inf. = [0.0, 0.15, 0.15, 0.15, 0.0], days\_look.back = 7, tracking\_delay = 10



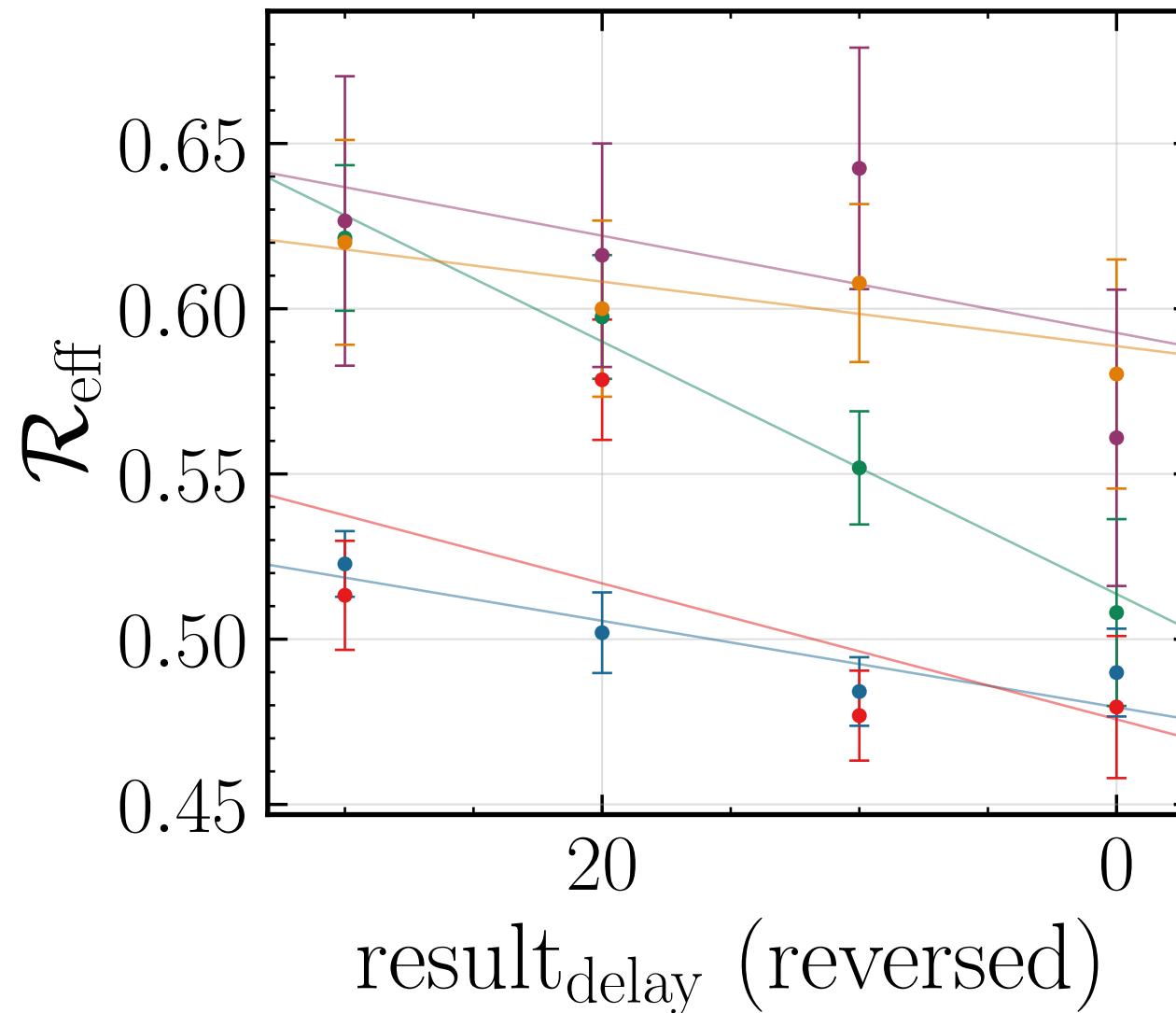
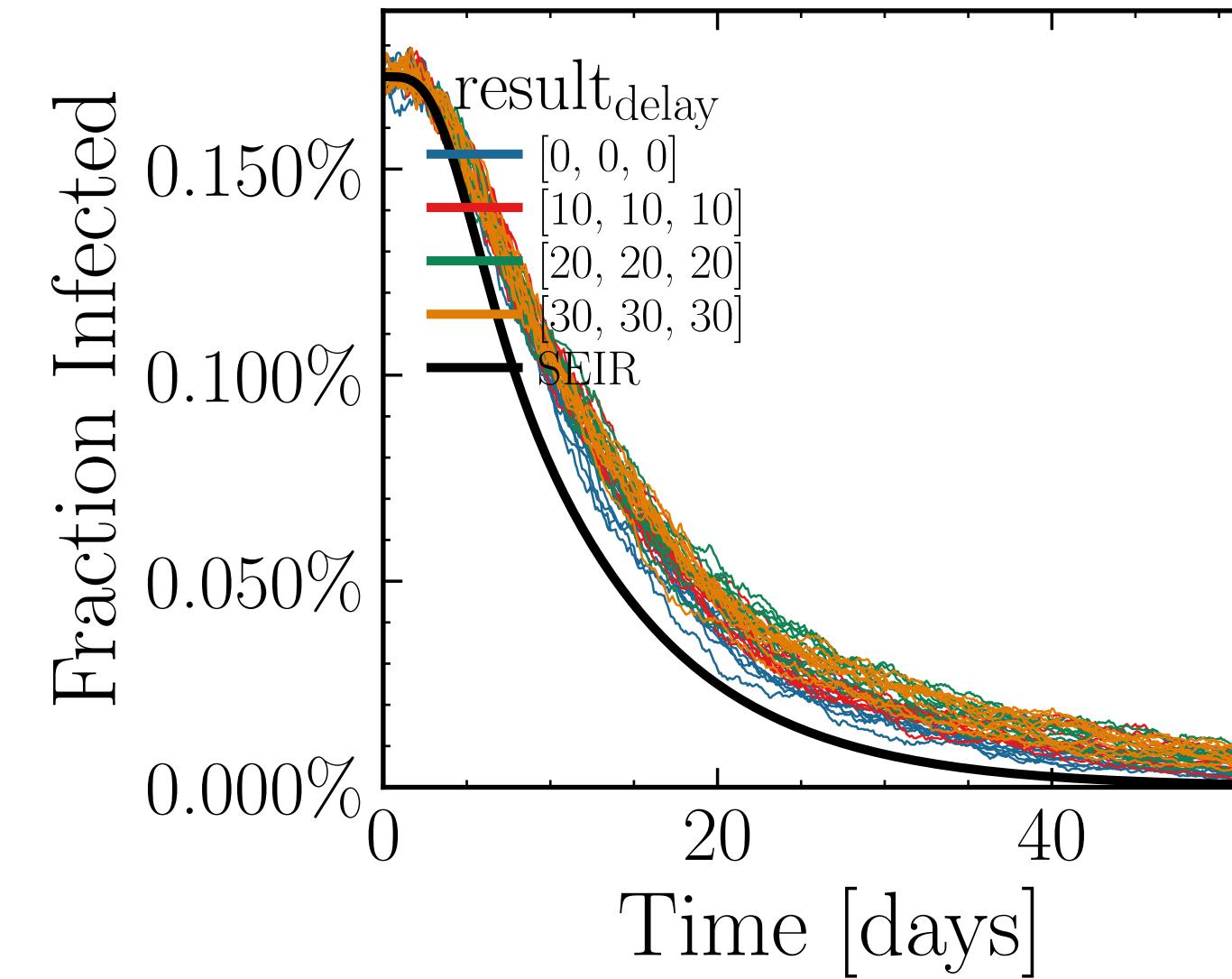
Day: 20,  $a=0.0036 \pm 0.0008$   
 Day: 25,  $a=0.0050 \pm 0.0009$   
 Day: 30,  $a=0.007 \pm 0.001$   
 Day: 35,  $a=0.002 \pm 0.002$   
 Day: 40,  $a=0.002 \pm 0.002$

$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 14.6345$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.0091$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 2K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True, w.rand.inf. = True,  $N_{\text{connect}} = 0$ ,  $f_{\text{work/other}} = 0.7498$ ,  $N_{\text{contacts}_{\max}} = 0$   
 $N_{\text{events}} = 3.28K$ , event<sub>size<sub>max</sub></sub> = 10, event<sub>size<sub>mean</sub></sub> = 3.342, event <sub>$\beta$ scaling</sub> = 5.0, event<sub>weekendmultiplier</sub> = 2.0  
do<sub>int.</sub> = True, int. = [3, 4, 5, 6], f<sub>dailytests</sub> = 0.01, test<sub>delay</sub> = [0, 0, 25]  
chance<sub>find.inf.</sub> = [0.0, 0.15, 0.15, 0.15, 0.0], days<sub>look.back</sub> = 7, tracking<sub>delay</sub> = 10



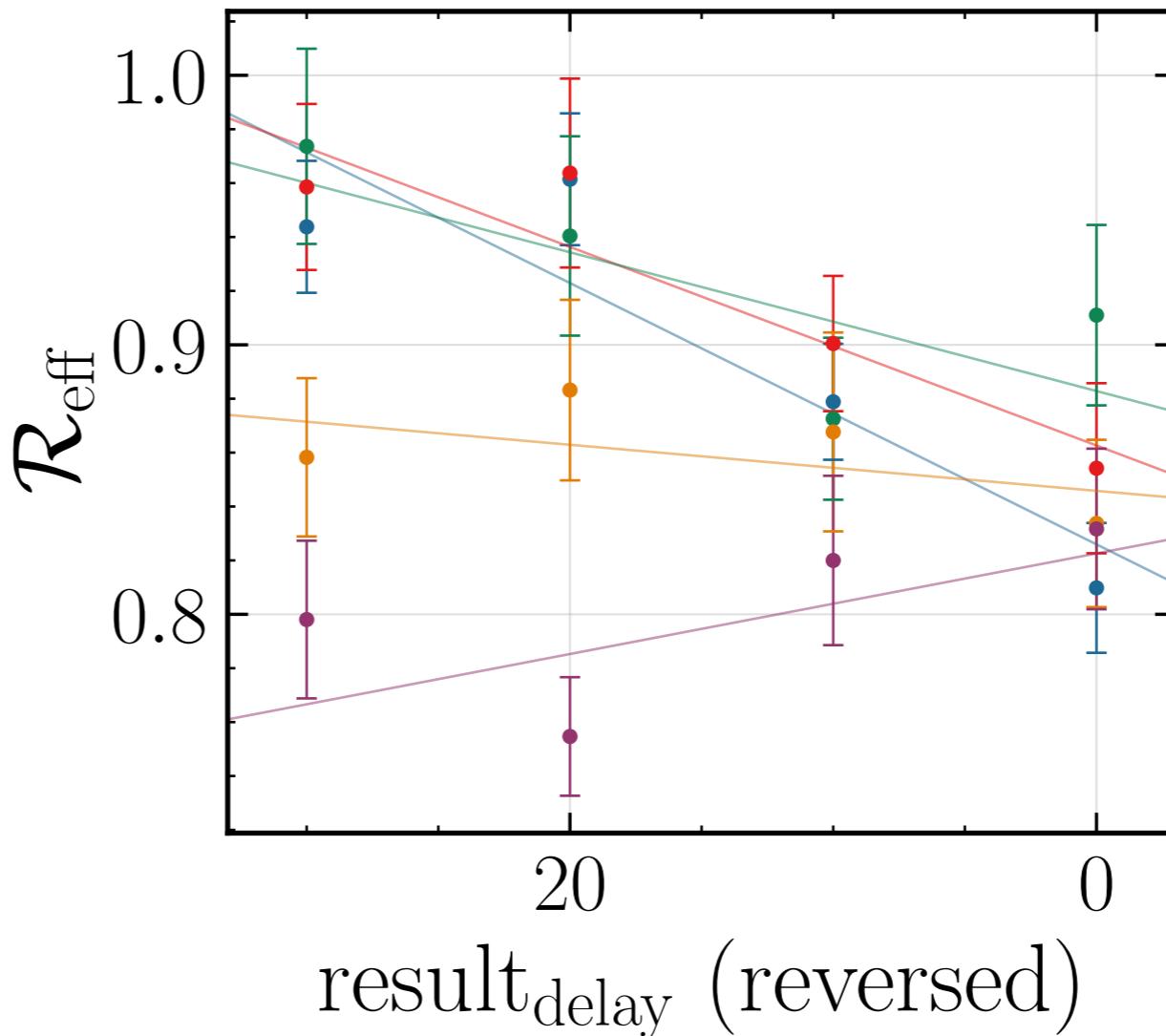
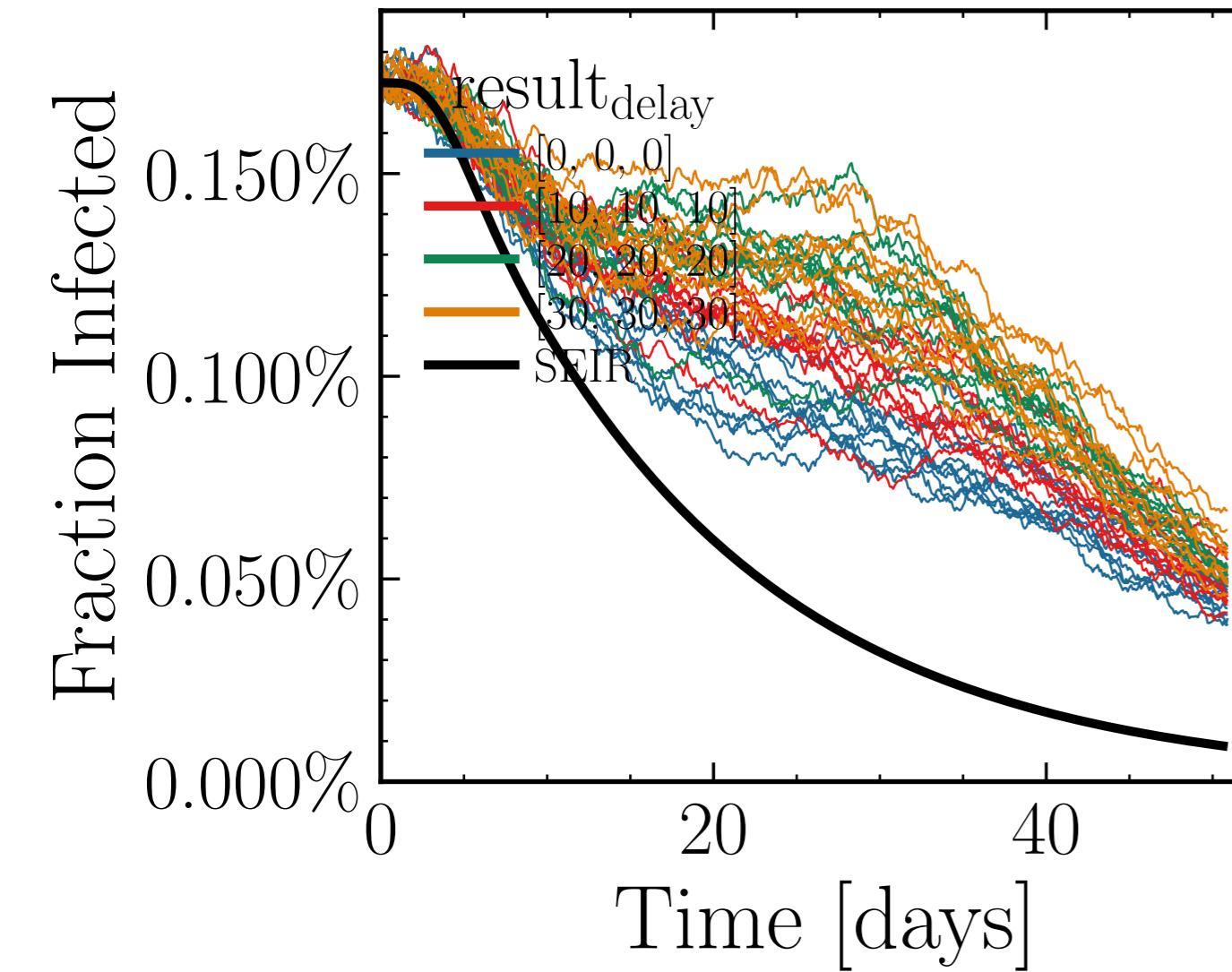
Day: 20, a=	$0.0016 \pm 0.0006$
Day: 25, a=	$0.0018 \pm 0.0008$
Day: 30, a=	$0.003 \pm 0.001$
Day: 35, a=	$0.000 \pm 0.002$
Day: 40, a=	$0.002 \pm 0.002$

$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 12.1875$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.0093$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 2K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True, w.rand.inf. = True,  $N_{\text{connect}} = 0$ ,  $f_{\text{work/other}} = 0.6278$ ,  $N_{\text{contacts}_{\max}} = 0$   
 $N_{\text{events}} = 1.22K$ ,  $\text{event}_{\text{size}_{\max}} = 10$ ,  $\text{event}_{\text{size}_{\text{mean}}} = 3.4449$ ,  $\text{event}_{\beta_{\text{scaling}}} = 5.0$ ,  $\text{event}_{\text{weekend}_{\text{multiplier}}} = 2.0$   
do\_int. = True, int. = [3, 4, 5, 6],  $f_{\text{dailytests}} = 0.01$ , test\_delay = [0, 0, 25]  
chance\_fnd.inf. = [0.0, 0.15, 0.15, 0.15, 0.0], days\_look.back = 7, tracking\_delay = 10

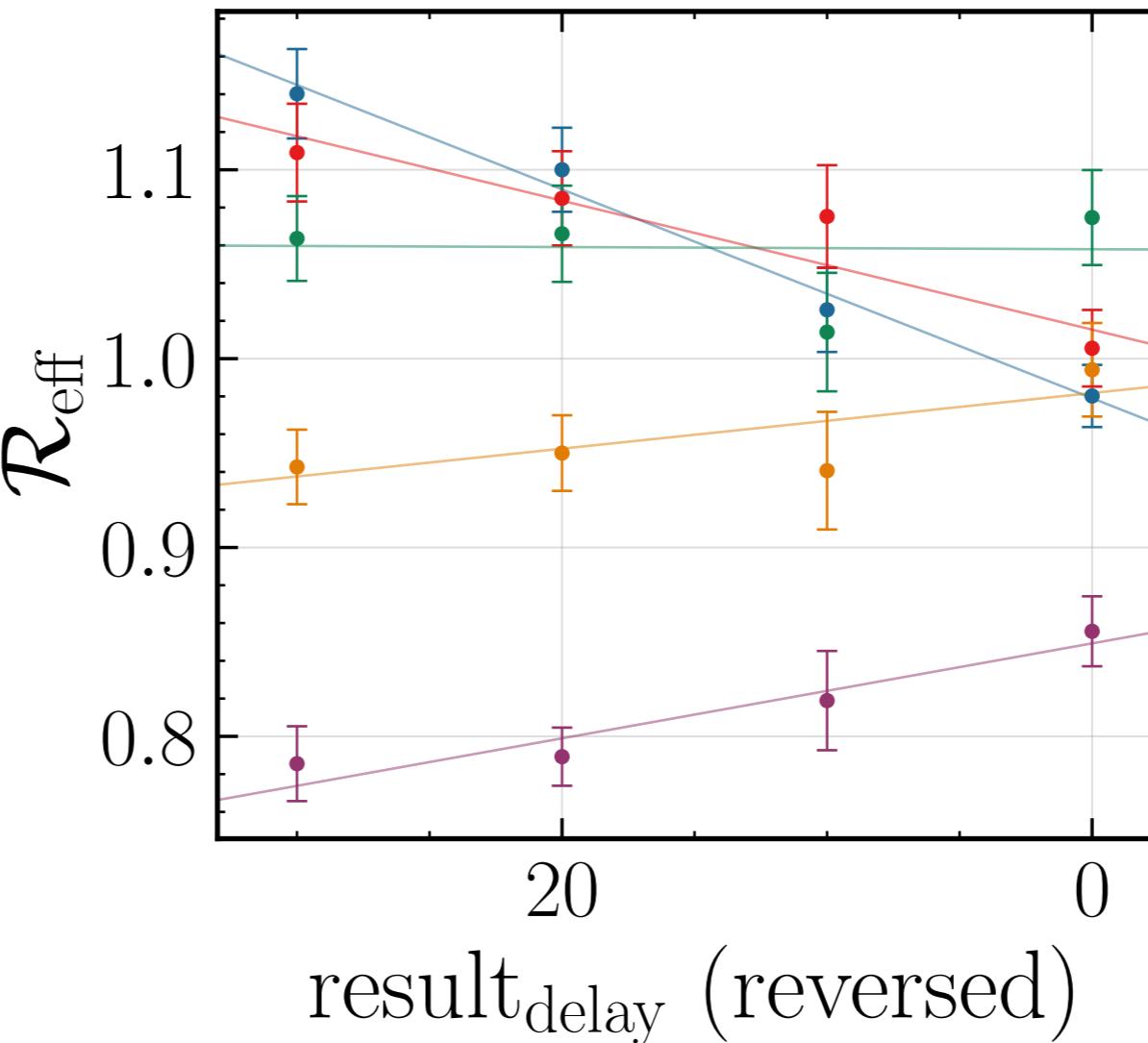
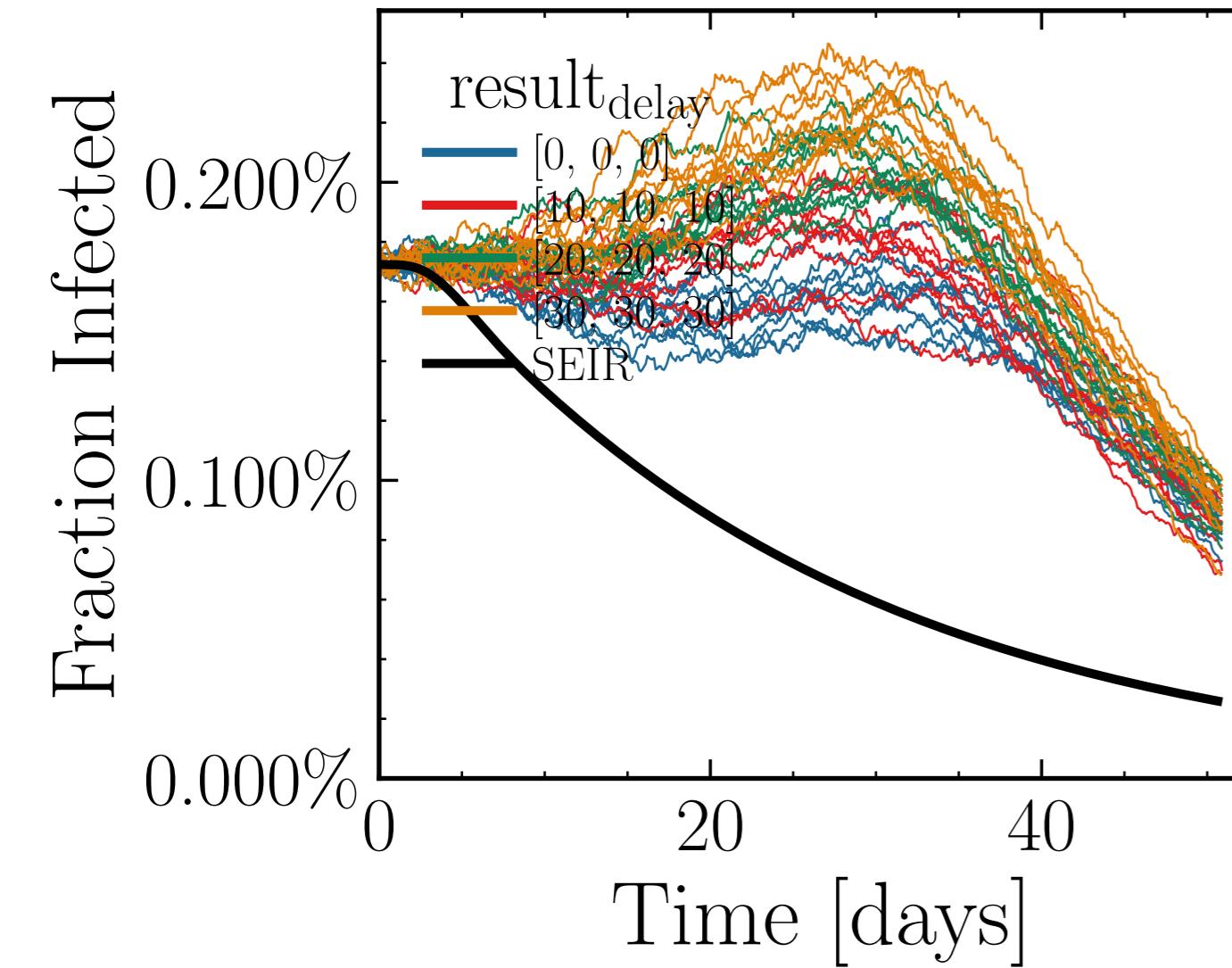


Day	$a$	Error
20	$0.0013 \pm 0.0005$	
25	$0.0021 \pm 0.0008$	
30	$0.004 \pm 0.001$	
35	$0.001 \pm 0.001$	
40	$0.001 \pm 0.002$	

$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 19.924$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.0083$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 2K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True, w.rand.inf. = True,  $N_{\text{connect}} = 0$ ,  $f_{\text{work/other}} = 0.5069$ ,  $N_{\text{contacts}_{\max}} = 0$   
 $N_{\text{events}} = 2.4K$ , event<sub>size<sub>max</sub></sub> = 10, event<sub>size<sub>mean</sub></sub> = 4.3982, event <sub>$\beta$ scaling</sub> = 5.0, event<sub>weekendmultiplier</sub> = 2.0  
do<sub>int.</sub> = True, int. = [3, 4, 5, 6],  $f_{\text{dailytests}} = 0.01$ , test<sub>delay</sub> = [0, 0, 25]  
chance<sub>find.inf.</sub> = [0.0, 0.15, 0.15, 0.15, 0.0], days<sub>look.back</sub> = 7, tracking<sub>delay</sub> = 10

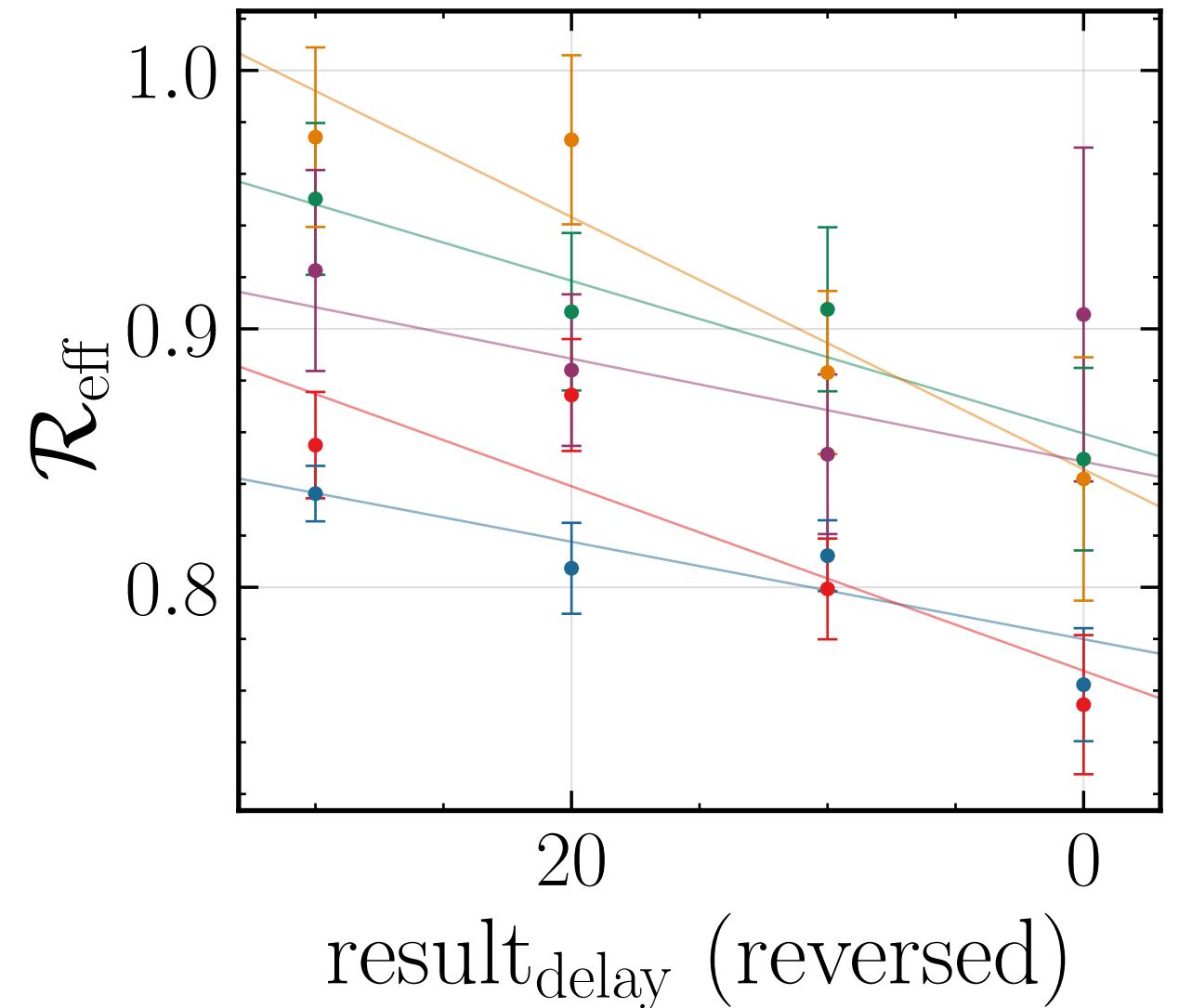
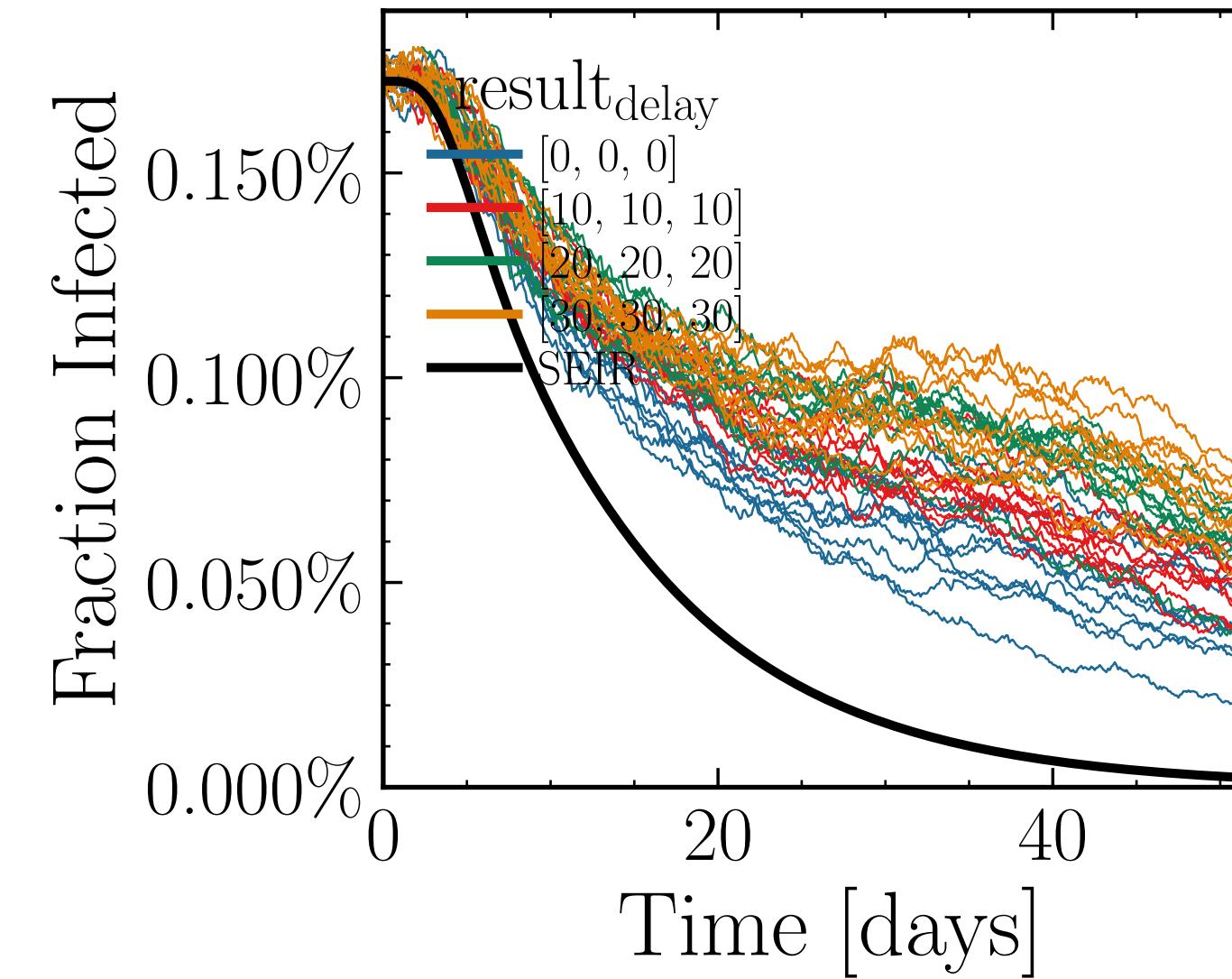


$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 17.3012$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.0112$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 2K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True, w.rand.inf. = True,  $N_{\text{connect}} = 0$ ,  $f_{\text{work/other}} = 0.5248$ ,  $N_{\text{contacts}_{\max}} = 0$   
 $N_{\text{events}} = 1.51K$ ,  $\text{event}_{\text{size}_{\max}} = 10$ ,  $\text{event}_{\text{size}_{\text{mean}}} = 4.1798$ ,  $\text{event}_{\beta_{\text{scaling}}} = 5.0$ ,  $\text{event}_{\text{weekend}_{\text{multiplier}}} = 2.0$   
do\_int. = True, int. = [3, 4, 5, 6],  $f_{\text{dailytests}} = 0.01$ , test\_delay = [0, 0, 25]  
chance\_find.inf. = [0.0, 0.15, 0.15, 0.15, 0.0], days\_look.back = 7, tracking\_delay = 10



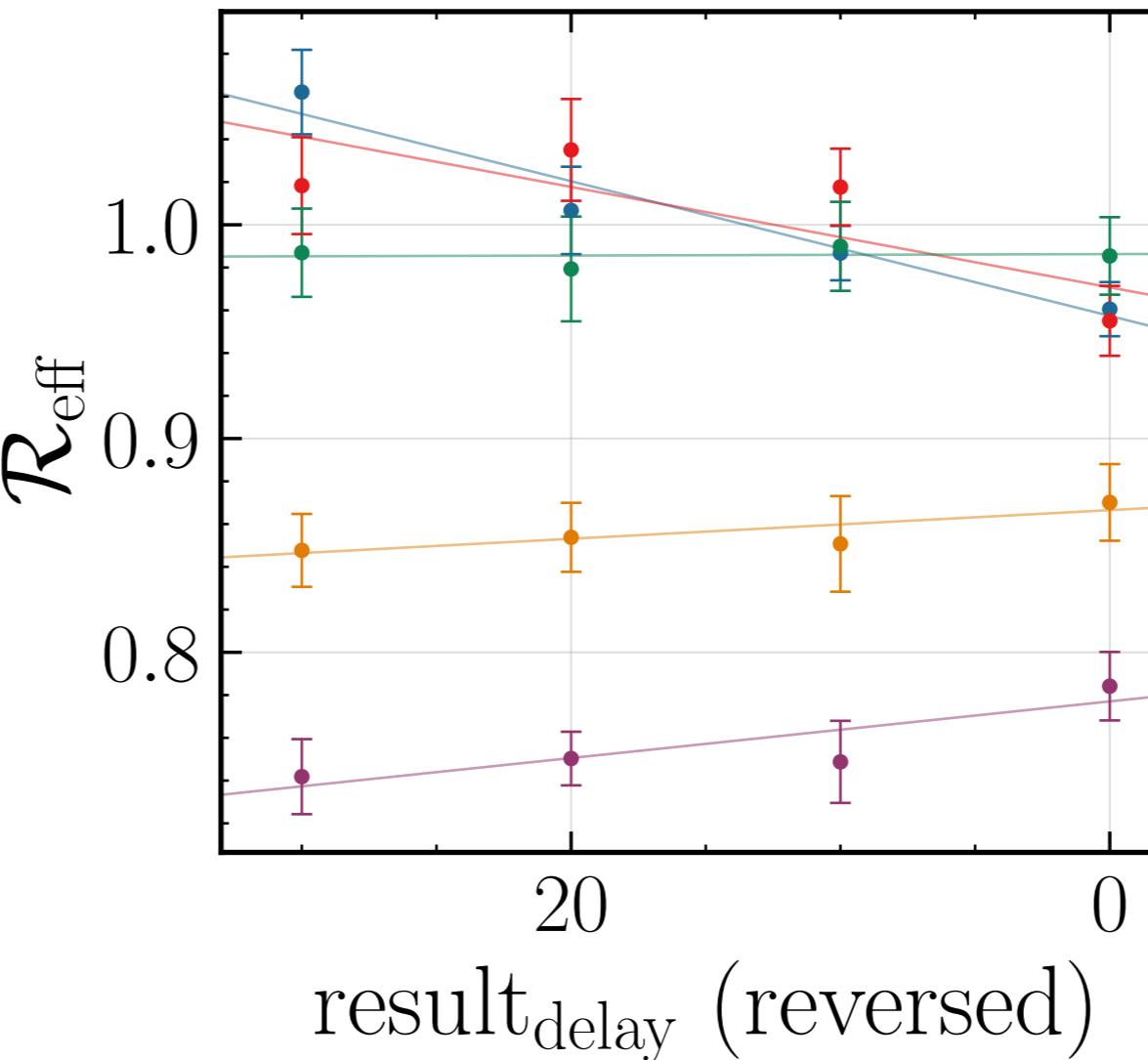
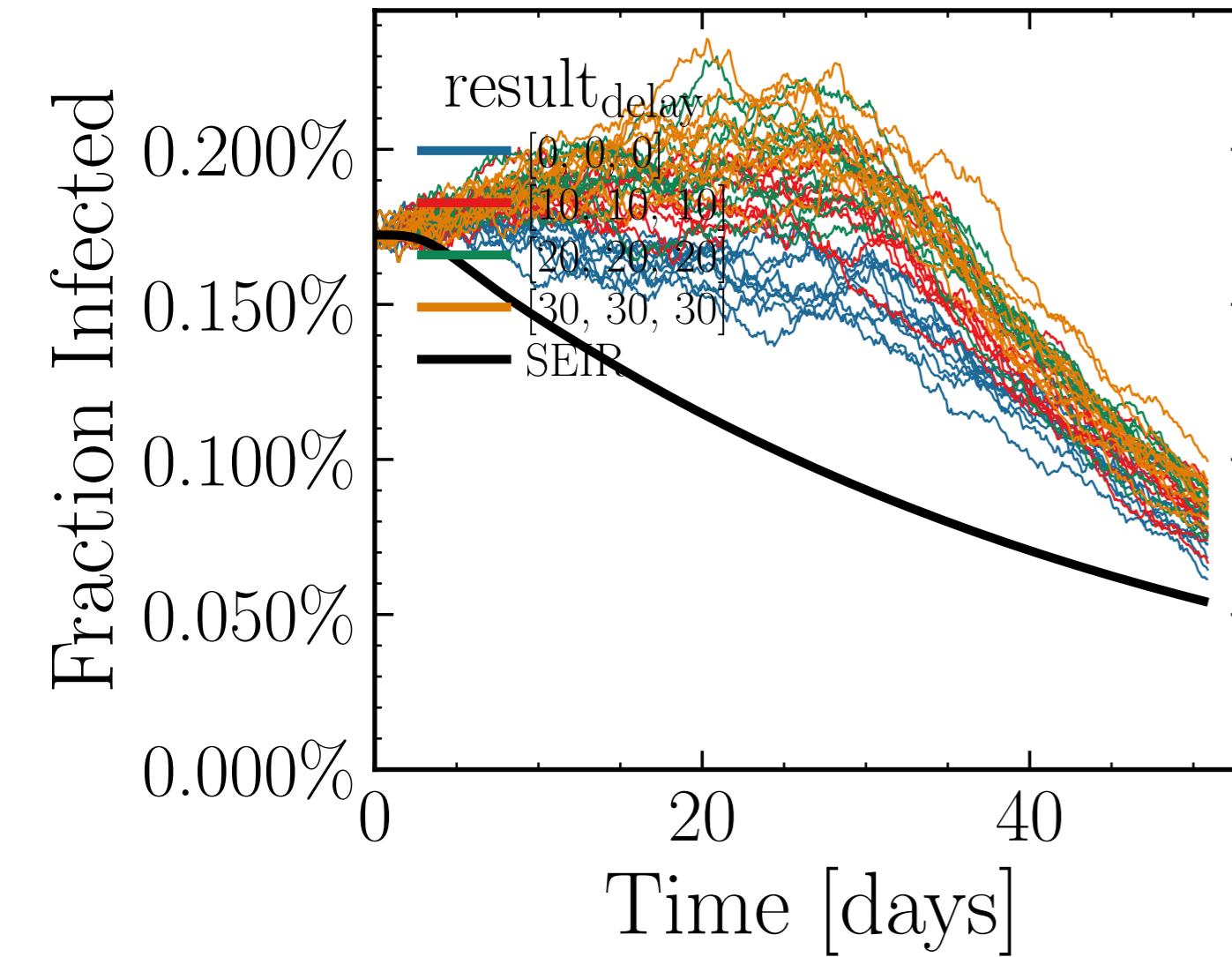
Day: 20,  $a=0.0055 \pm 0.0009$   
 Day: 25,  $a=0.003 \pm 0.001$   
 Day: 30,  $a=0.000 \pm 0.001$   
 Day: 35,  $a=-0.001 \pm 0.001$   
 Day: 40,  $a=-0.0025 \pm 0.0009$

$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 12.5436$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.0109$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 2K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True, w.rand.inf. = True,  $N_{\text{connect}} = 0$ ,  $f_{\text{work/other}} = 0.4232$ ,  $N_{\text{contacts}_{\max}} = 0$   
 $N_{\text{events}} = 3.81K$ ,  $\text{event}_{\text{size}_{\max}} = 10$ ,  $\text{event}_{\text{size}_{\text{mean}}} = 3.4548$ ,  $\text{event}_{\beta_{\text{scaling}}} = 5.0$ ,  $\text{event}_{\text{weekend}_{\text{multiplier}}} = 2.0$   
do\_int. = True, int. = [3, 4, 5, 6],  $f_{\text{dailytests}} = 0.01$ , test\_delay = [0, 0, 25]  
chance\_fnd.inf. = [0.0, 0.15, 0.15, 0.15, 0.0], days\_look.back = 7, tracking\_delay = 10

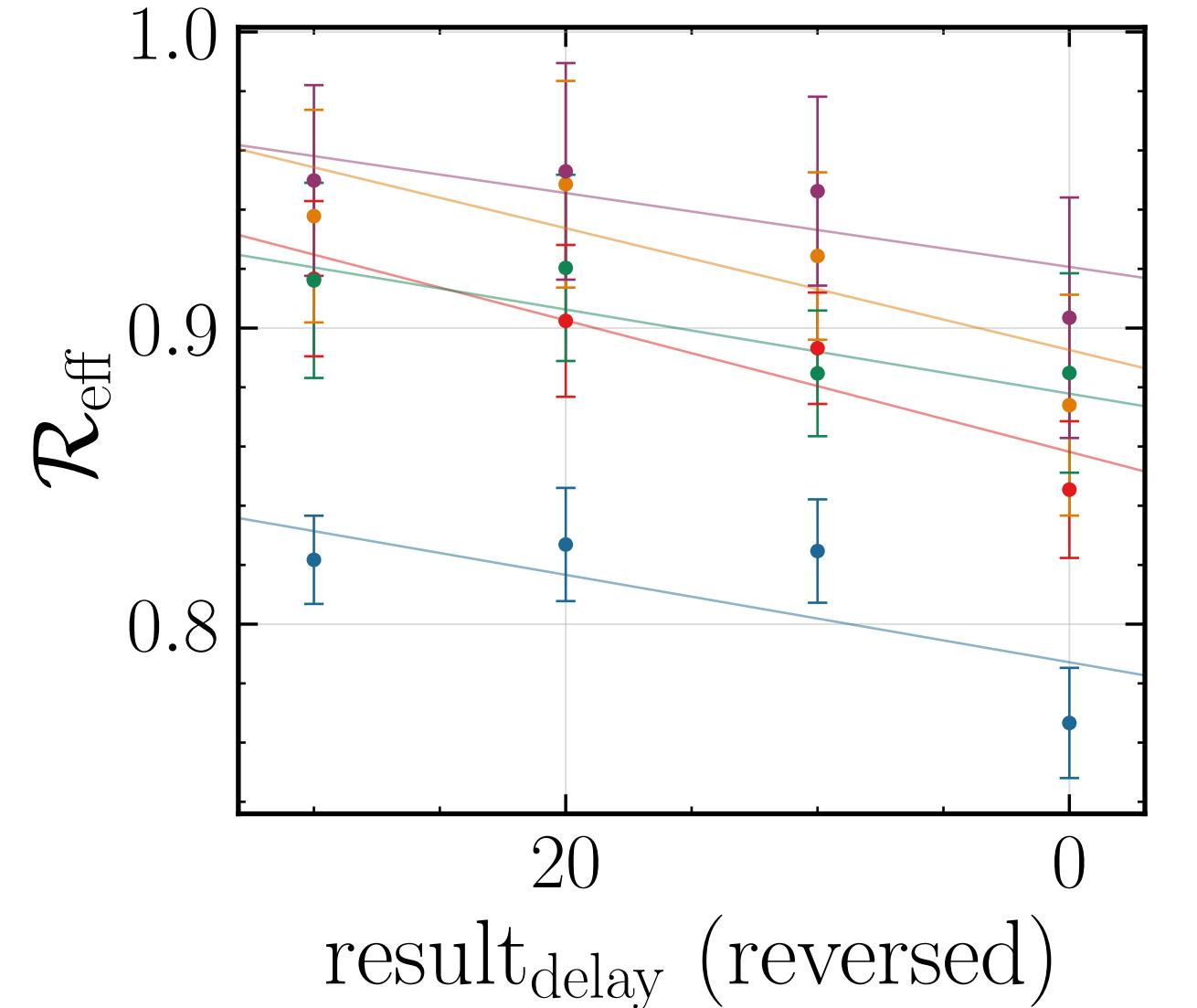
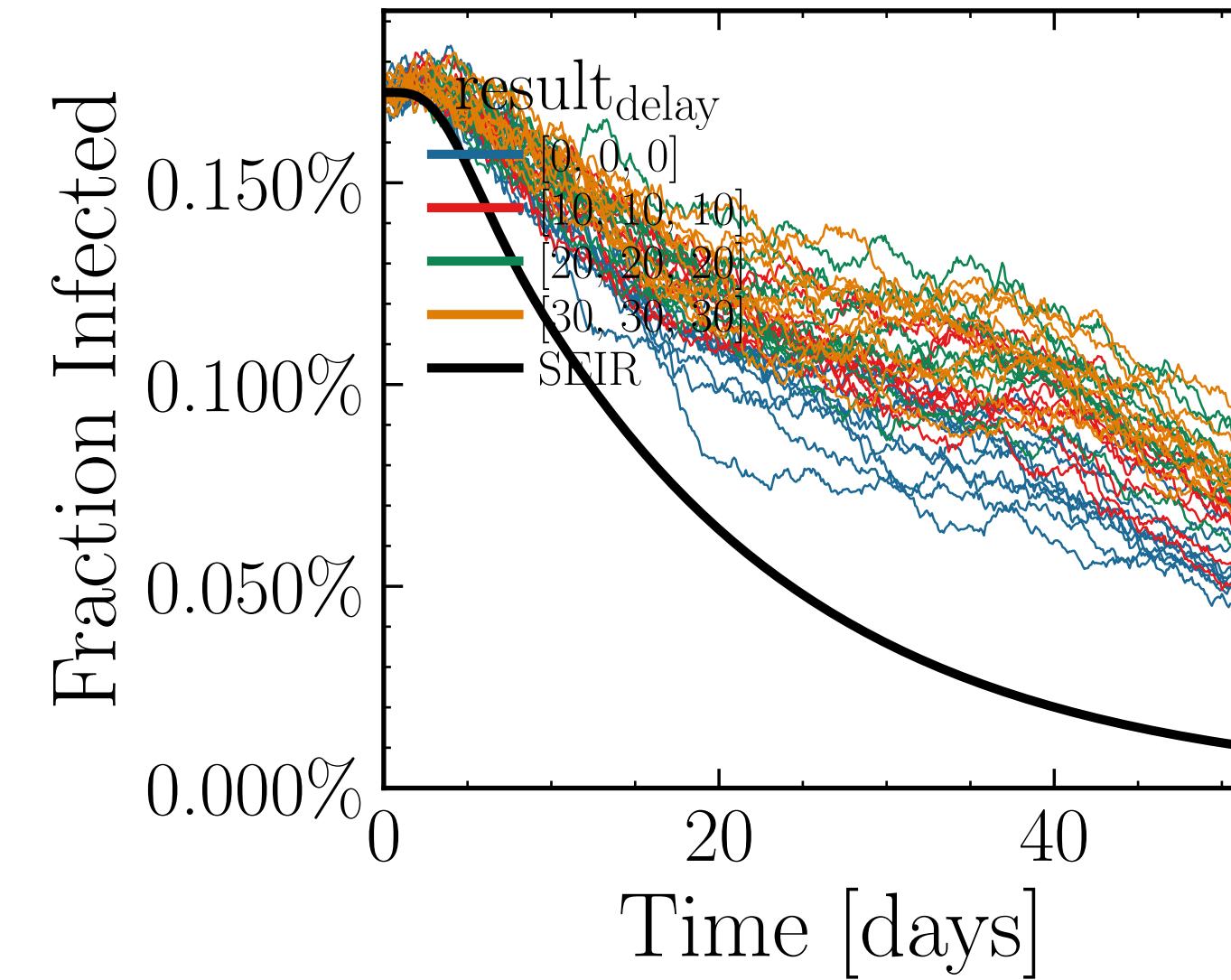


Day: 20,  $a=0.0019 \pm 0.0007$   
 Day: 25,  $a=0.004 \pm 0.001$   
 Day: 30,  $a=0.003 \pm 0.001$   
 Day: 35,  $a=0.005 \pm 0.002$   
 Day: 40,  $a=0.002 \pm 0.002$

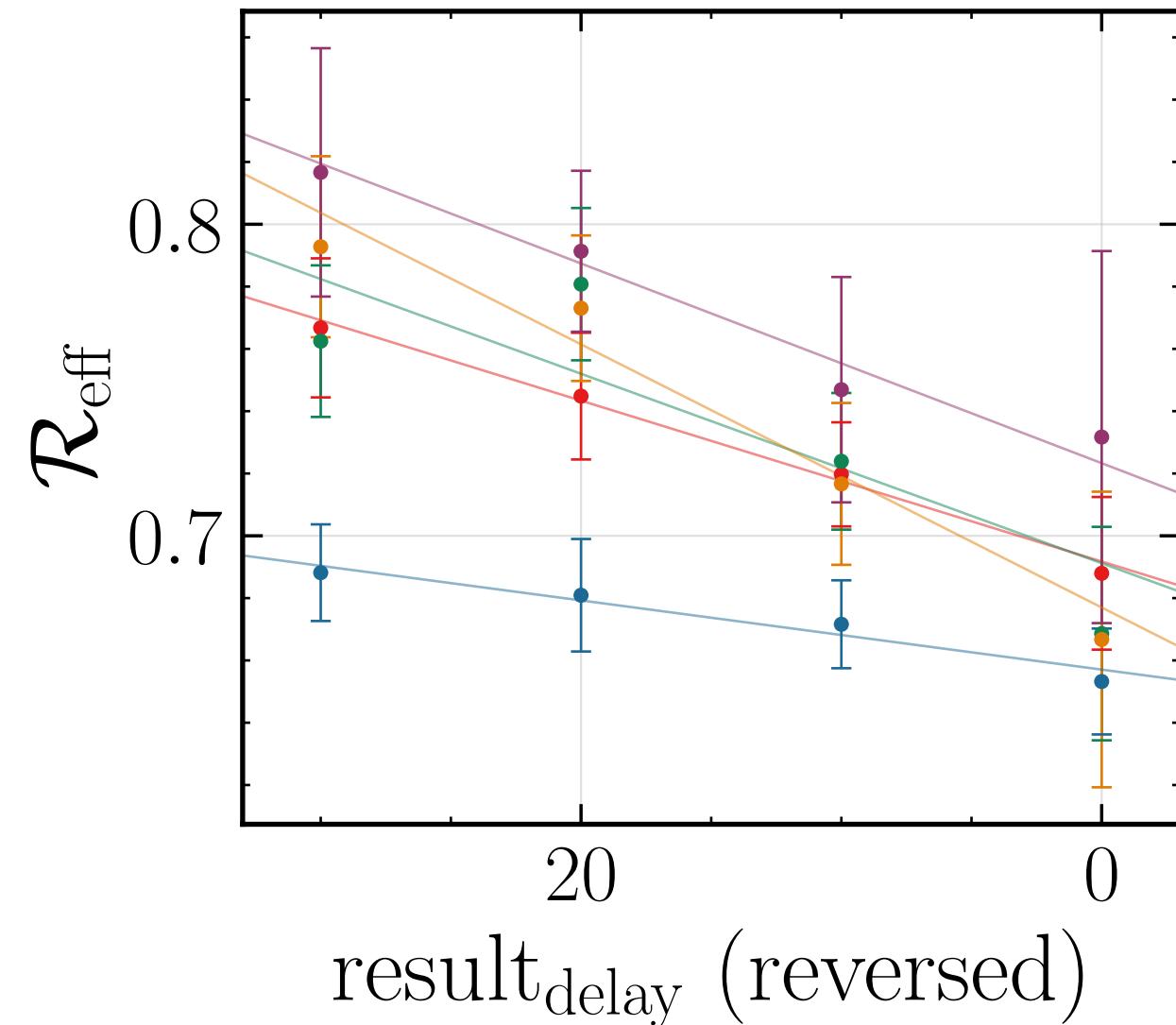
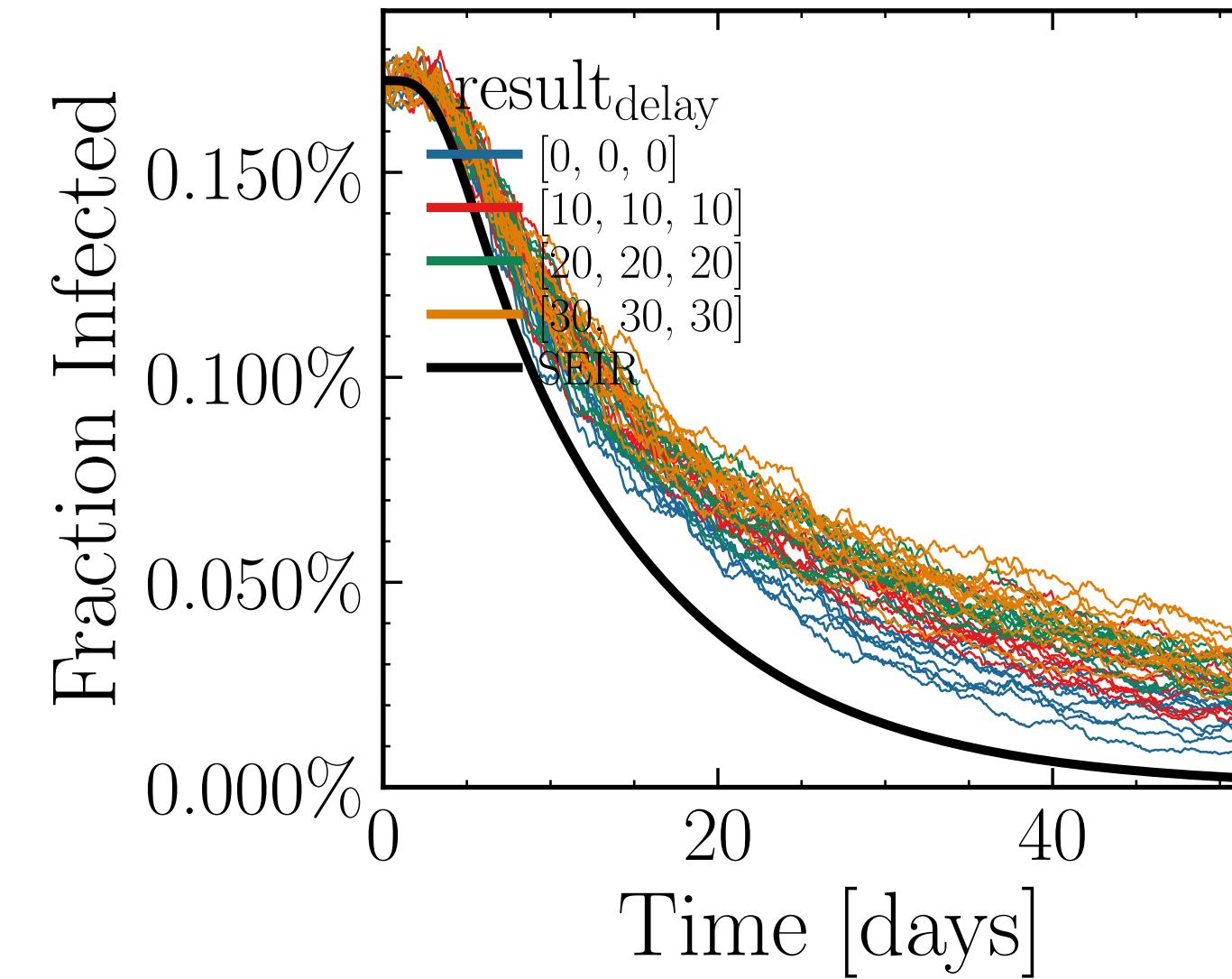
$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 19.764$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.0109$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 2K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True, w.rand.inf. = True,  $N_{\text{connect}} = 0$ ,  $f_{\text{work/other}} = 0.6471$ ,  $N_{\text{contacts}_{\max}} = 0$   
 $N_{\text{events}} = 4.49K$ ,  $\text{event}_{\text{size}_{\max}} = 10$ ,  $\text{event}_{\text{size}_{\text{mean}}} = 4.762$ ,  $\text{event}_{\beta_{\text{scaling}}} = 5.0$ ,  $\text{event}_{\text{weekend}_{\text{multiplier}}} = 2.0$   
do\_int. = True, int. = [3, 4, 5, 6],  $f_{\text{dailytests}} = 0.01$ , test\_delay = [0, 0, 25]  
chance\_find.inf. = [0.0, 0.15, 0.15, 0.15, 0.0], days\_look.back = 7, tracking\_delay = 10



$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 14.695$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.0116$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 2K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True, w.rand.inf. = True,  $N_{\text{connect}} = 0$ ,  $f_{\text{work/other}} = 0.5824$ ,  $N_{\text{contacts}_{\max}} = 0$   
 $N_{\text{events}} = 1.33K$ ,  $\text{event}_{\text{size}_{\max}} = 10$ ,  $\text{event}_{\text{size}_{\text{mean}}} = 4.4294$ ,  $\text{event}_{\beta_{\text{scaling}}} = 5.0$ ,  $\text{event}_{\text{weekend}_{\text{multiplier}}} = 2.0$   
do\_int. = True, int. = [3, 4, 5, 6],  $f_{\text{dailytests}} = 0.01$ , test\_delay = [0, 0, 25]  
chance\_find.inf. = [0.0, 0.15, 0.15, 0.15, 0.0], days\_look.back = 7, tracking\_delay = 10

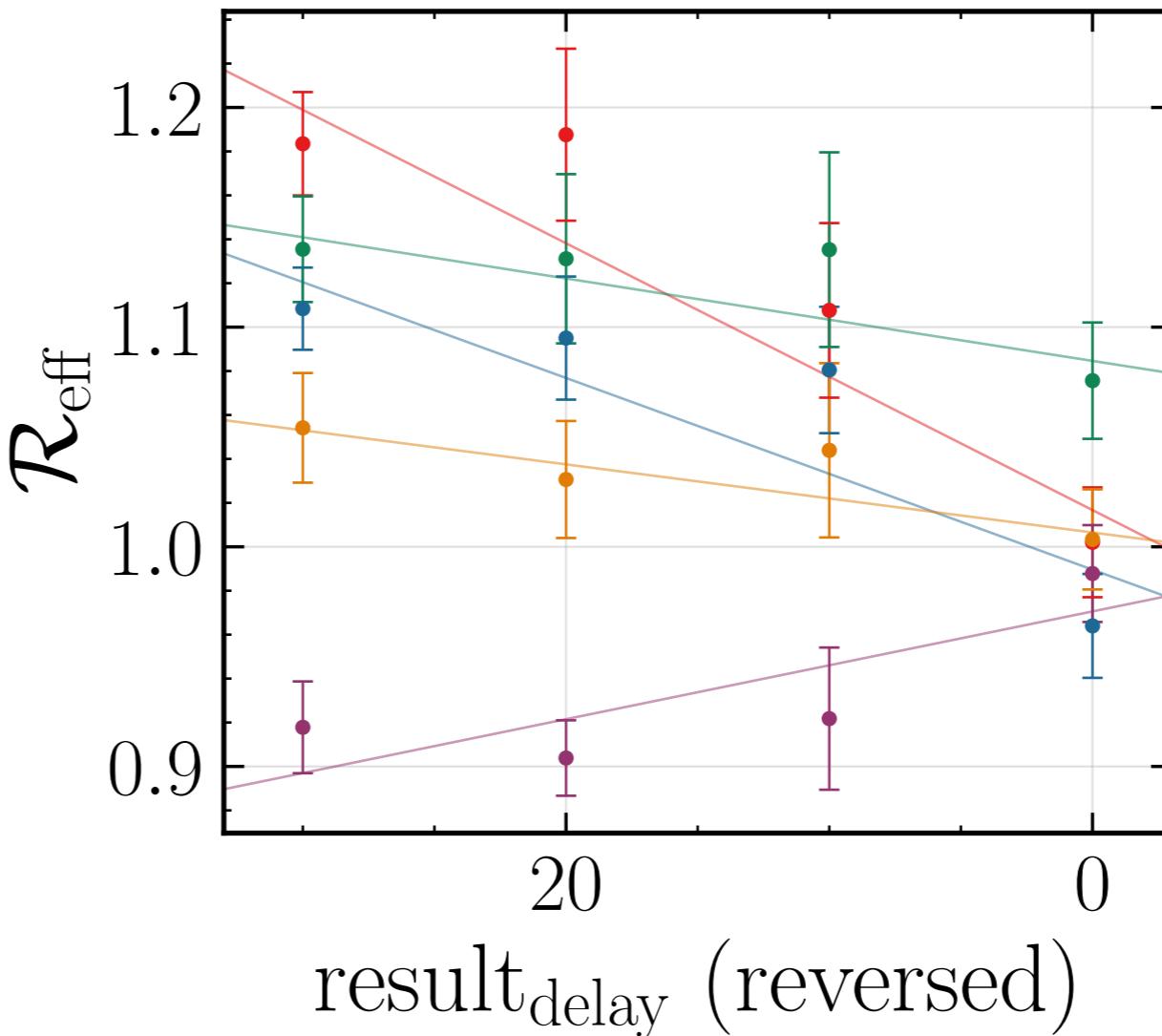
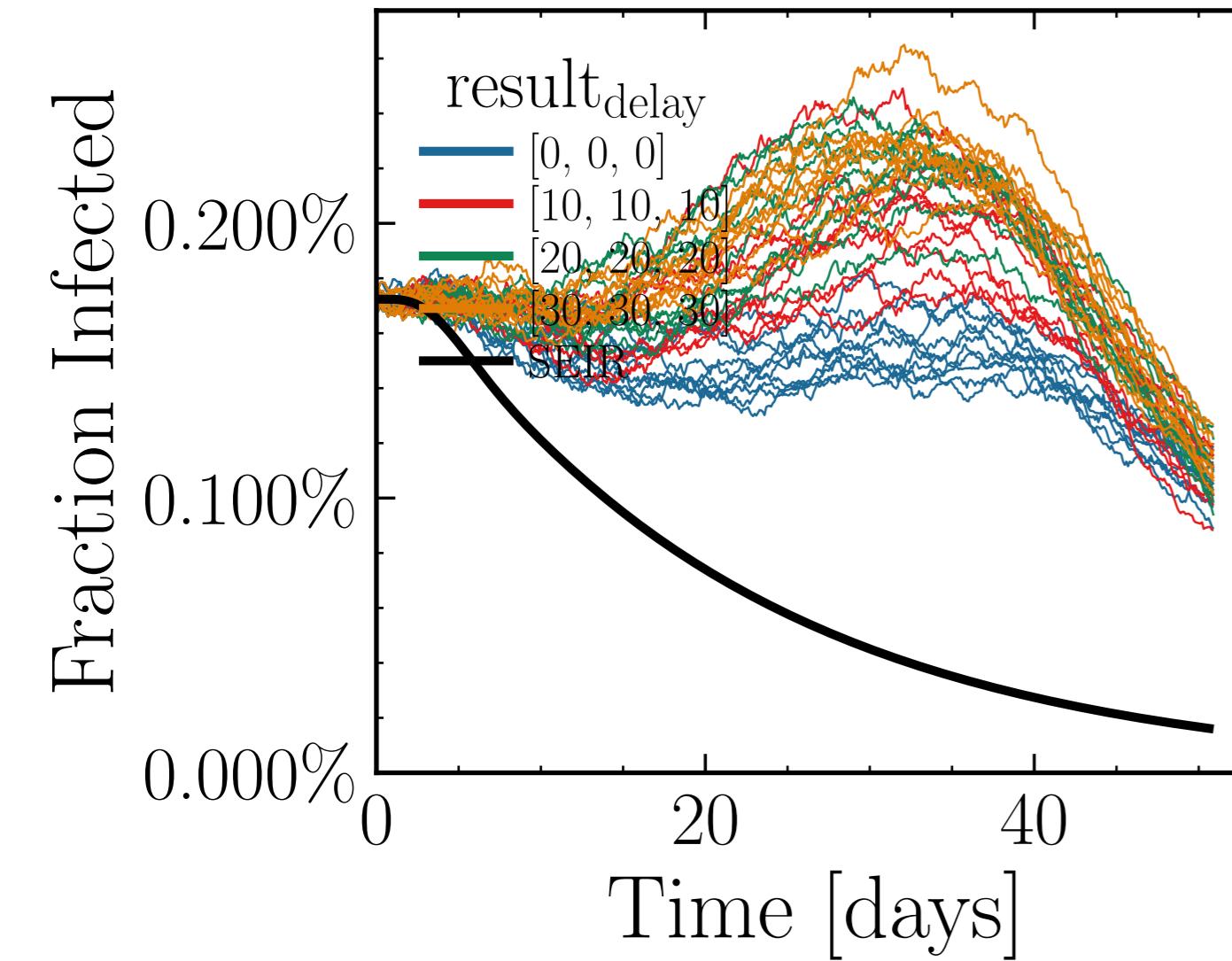


$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 16.7939$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.0081$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 2K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True, w.rand.inf. = True,  $N_{\text{connect}} = 0$ ,  $f_{\text{work/other}} = 0.5815$ ,  $N_{\text{contacts}_{\max}} = 0$   
 $N_{\text{events}} = 1.81K$ ,  $\text{event}_{\text{size}_{\max}} = 10$ ,  $\text{event}_{\text{size}_{\text{mean}}} = 3.1345$ ,  $\text{event}_{\beta_{\text{scaling}}} = 5.0$ ,  $\text{event}_{\text{weekend}_{\text{multiplier}}} = 2.0$   
do\_int. = True, int. = [3, 4, 5, 6],  $f_{\text{dailytests}} = 0.01$ , test\_delay = [0, 0, 25]  
chance\_fnd.inf. = [0.0, 0.15, 0.15, 0.15, 0.0], days\_look.back = 7, tracking\_delay = 10

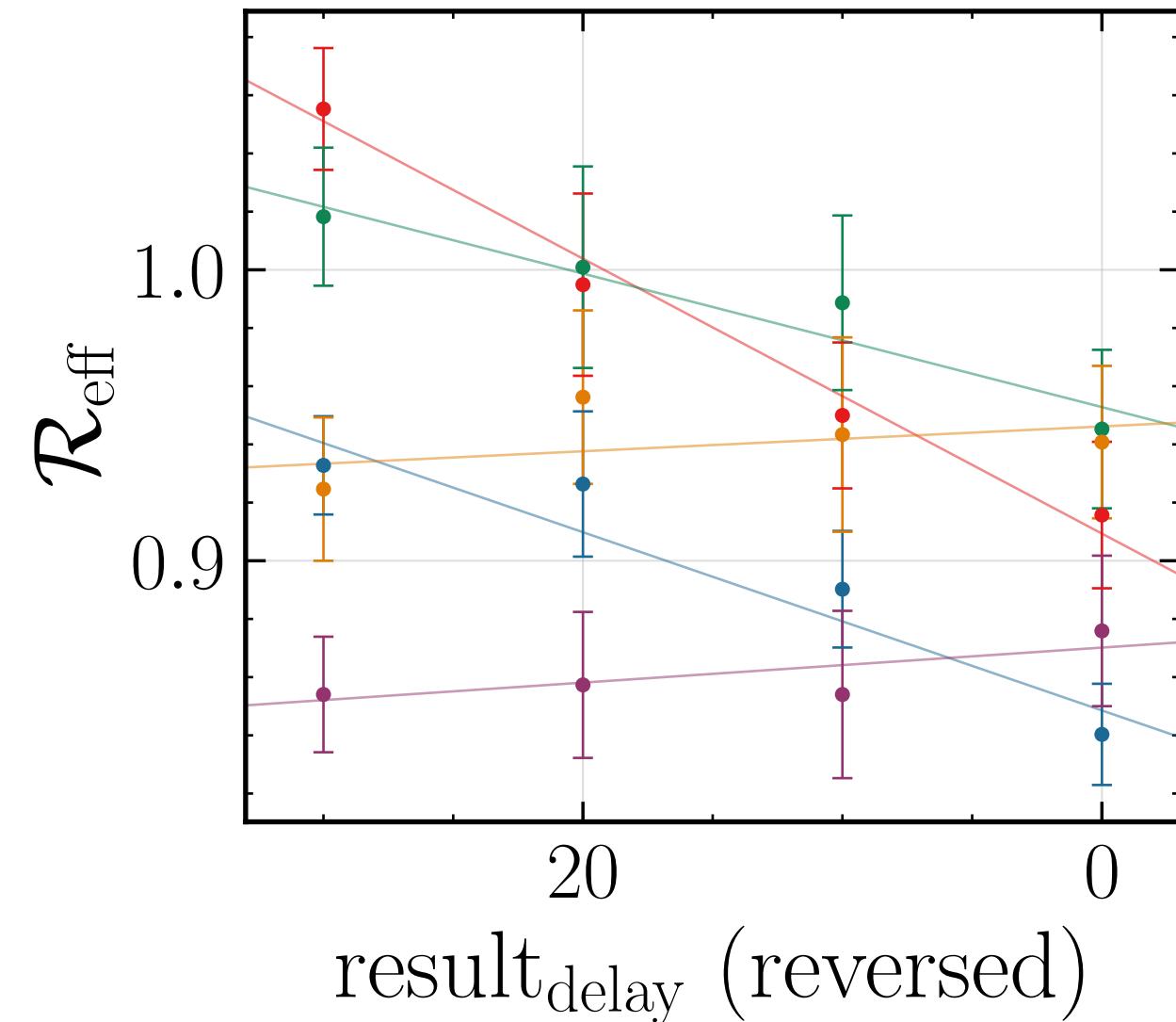
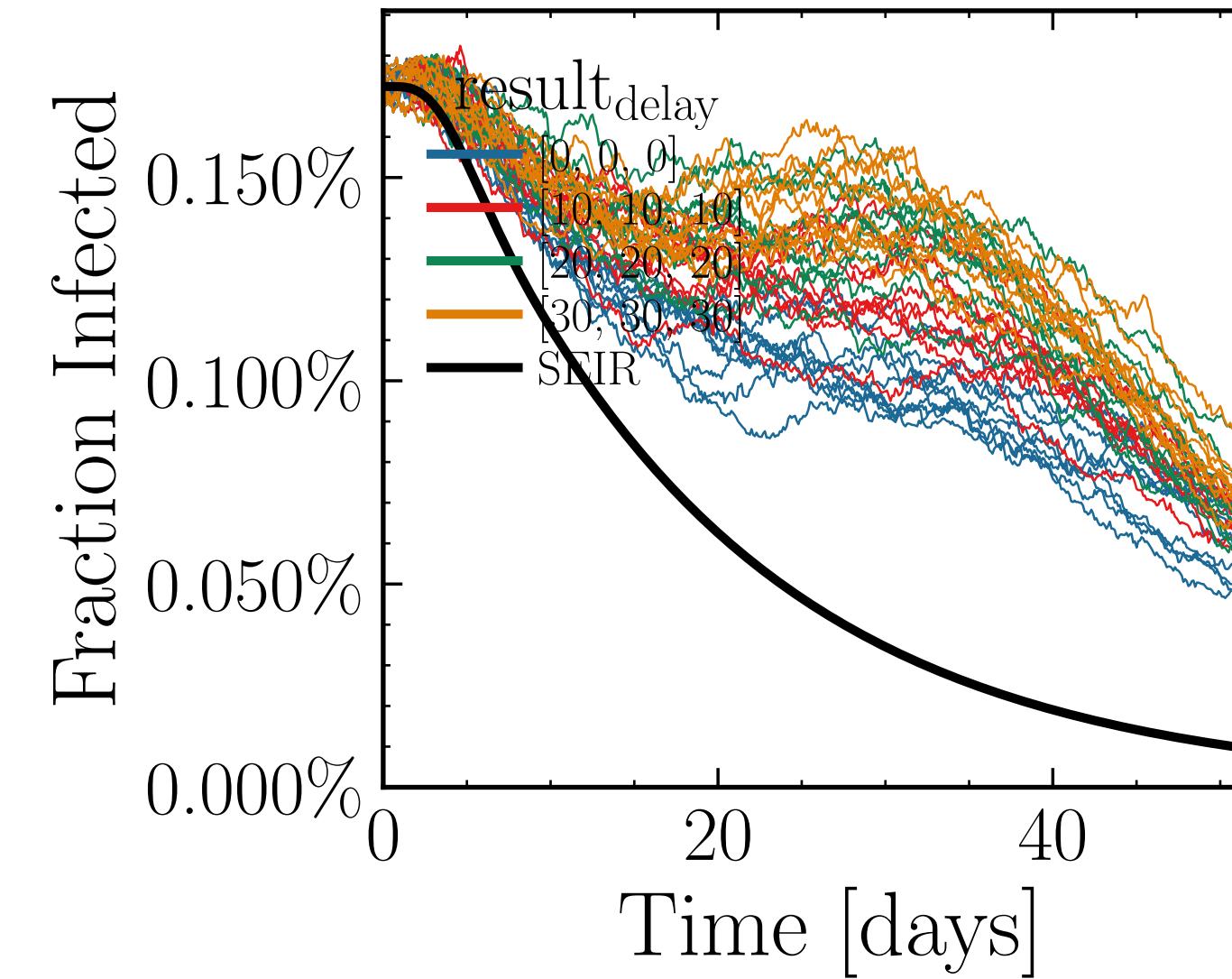


Day: 20,  $a=0.0011 \pm 0.0007$   
 Day: 25,  $a=0.003 \pm 0.001$   
 Day: 30,  $a=0.003 \pm 0.001$   
 Day: 35,  $a=0.004 \pm 0.002$   
 Day: 40,  $a=0.003 \pm 0.002$

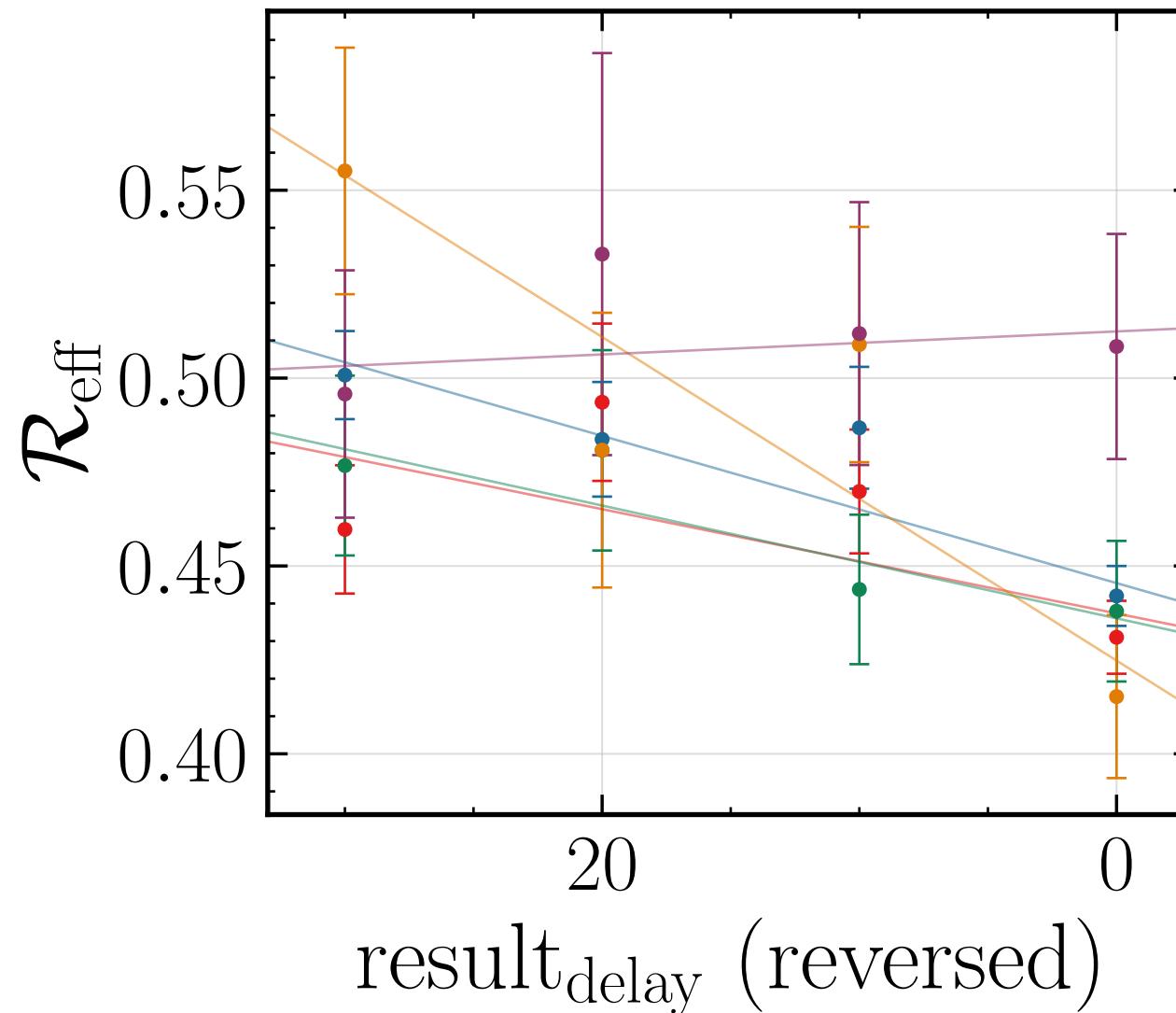
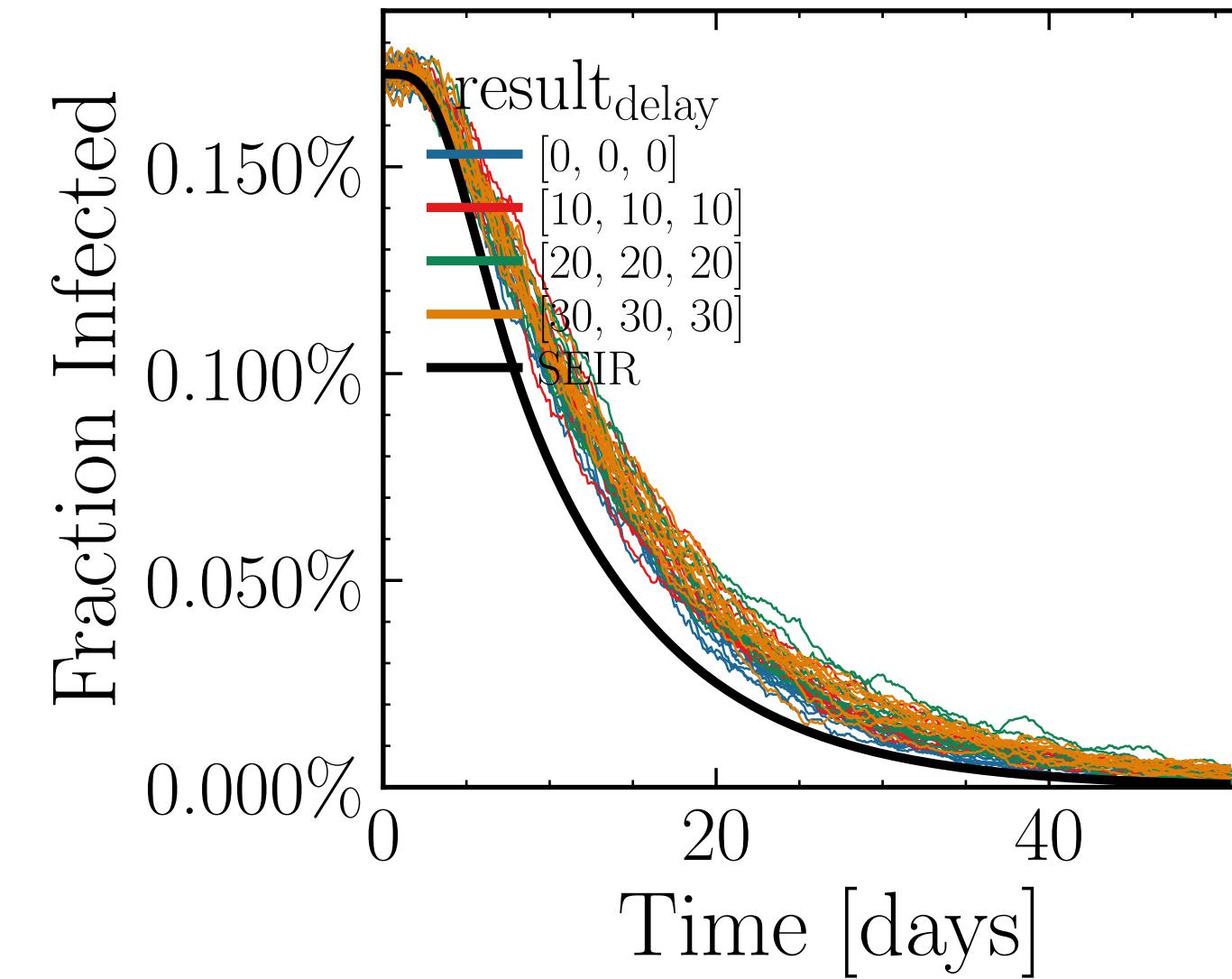
$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 15.1971$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.0119$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 2K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True, w.rand.inf. = True,  $N_{\text{connect}}^{\text{retries}} = 0$ ,  $f_{\text{work/other}} = 0.4$ ,  $N_{\text{contacts}_{\text{max}}} = 0$   
 $N_{\text{events}} = 1.14K$ , event<sub>size<sub>max</sub></sub> = 10, event<sub>size<sub>mean</sub></sub> = 3.6494, event <sub>$\beta_{\text{scaling}}$</sub>  = 5.0, event<sub>weekendmultiplier</sub> = 2.0  
do<sub>int.</sub> = True, int. = [3, 4, 5, 6],  $f_{\text{dailytests}} = 0.01$ , test<sub>delay</sub> = [0, 0, 25]  
chance<sub>find.inf.</sub> = [0.0, 0.15, 0.15, 0.15, 0.0], days<sub>look.back</sub> = 7, tracking<sub>delay</sub> = 10



$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 17.5838$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.0096$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 2K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True, w.rand.inf. = True,  $N_{\text{connect}}^{\text{retries}} = 0$ ,  $f_{\text{work/other}} = 0.528$ ,  $N_{\text{contacts}_{\max}} = 0$   
 $N_{\text{events}} = 2.04K$ , event<sub>size<sub>max</sub></sub> = 10, event<sub>size<sub>mean</sub></sub> = 3.0413, event<sub>β<sub>scaling</sub></sub> = 5.0, event<sub>weekend<sub>multiplier</sub></sub> = 2.0  
do<sub>int.</sub> = True, int. = [3, 4, 5, 6], f<sub>dailytests</sub> = 0.01, test<sub>delay</sub> = [0, 0, 25]  
chance<sub>find.inf.</sub> = [0.0, 0.15, 0.15, 0.15, 0.0], days<sub>look.back</sub> = 7, tracking<sub>delay</sub> = 10

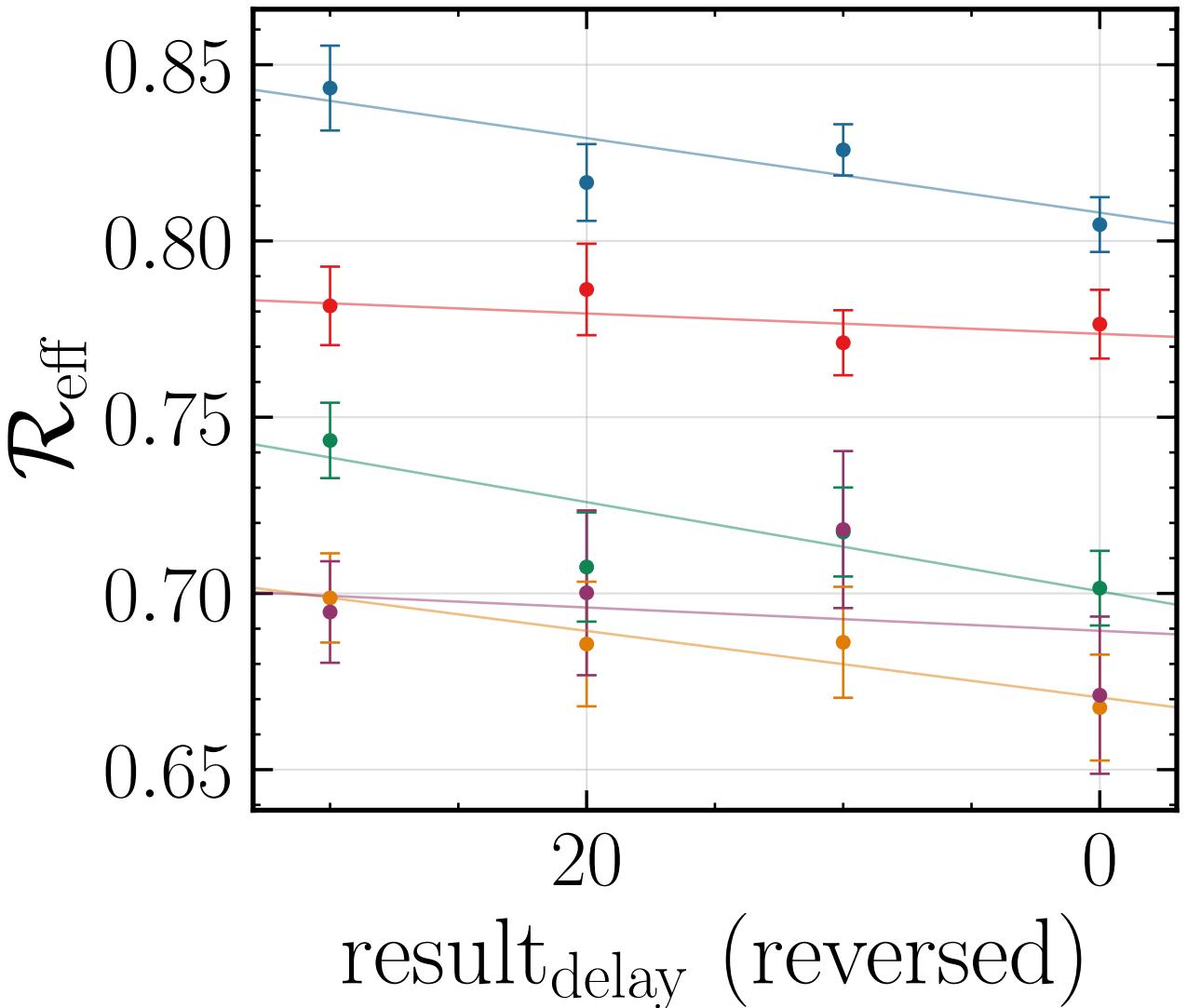
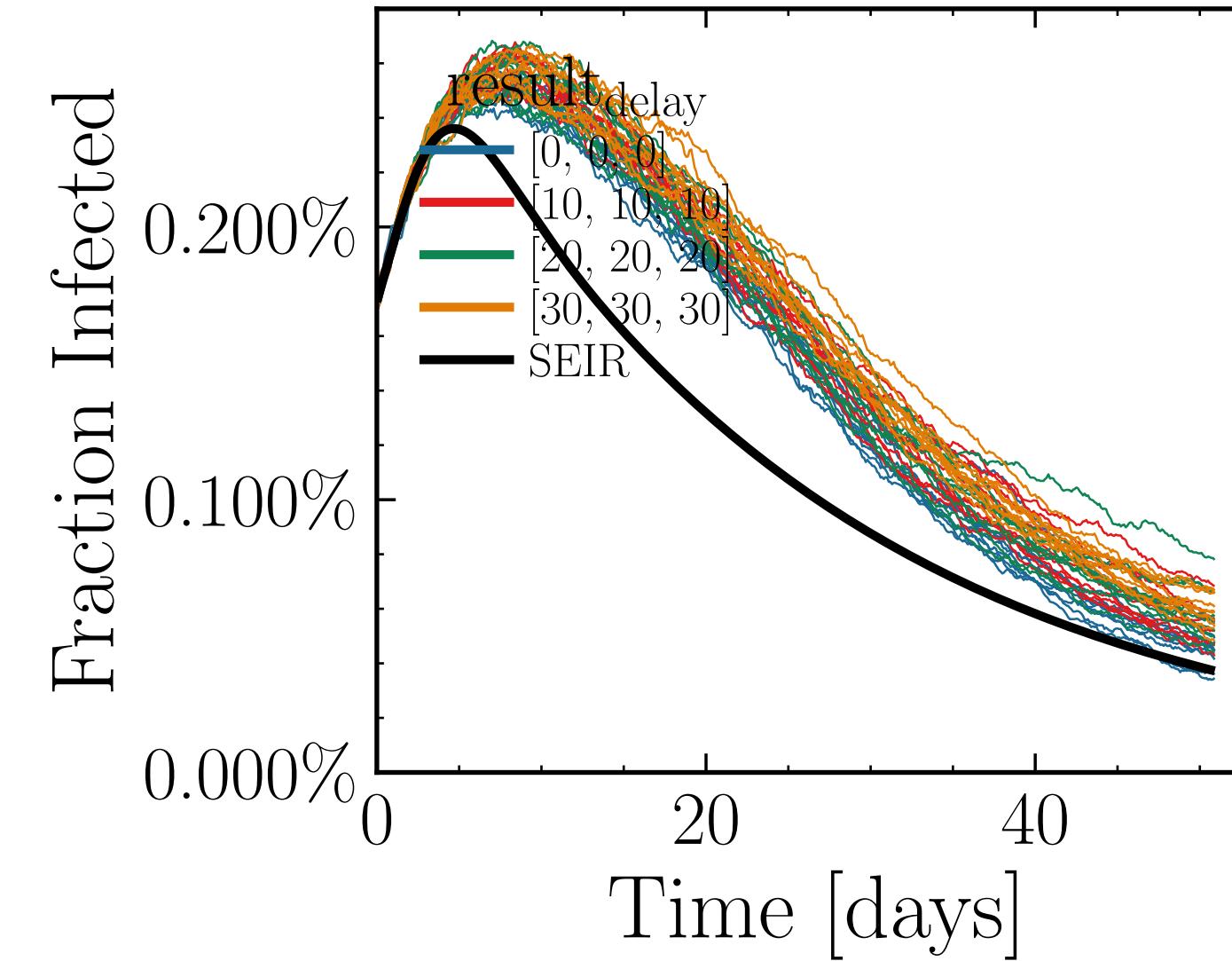


$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 11.8564$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.0096$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 2K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True, w.rand.inf. = True,  $N_{\text{connect}} = 0$ ,  $f_{\text{work/other}} = 0.7811$ ,  $N_{\text{contacts}_{\max}} = 0$   
 $N_{\text{events}} = 1.58K$ ,  $\text{event}_{\text{size}_{\max}} = 10$ ,  $\text{event}_{\text{size}_{\text{mean}}} = 4.5961$ ,  $\text{event}_{\beta_{\text{scaling}}} = 5.0$ ,  $\text{event}_{\text{weekend}_{\text{multiplier}}} = 2.0$   
do\_int. = True, int. = [3, 4, 5, 6],  $f_{\text{dailytests}} = 0.01$ , test\_delay = [0, 0, 25]  
chance\_fnd.inf. = [0.0, 0.15, 0.15, 0.15, 0.0], days\_look.back = 7, tracking\_delay = 10



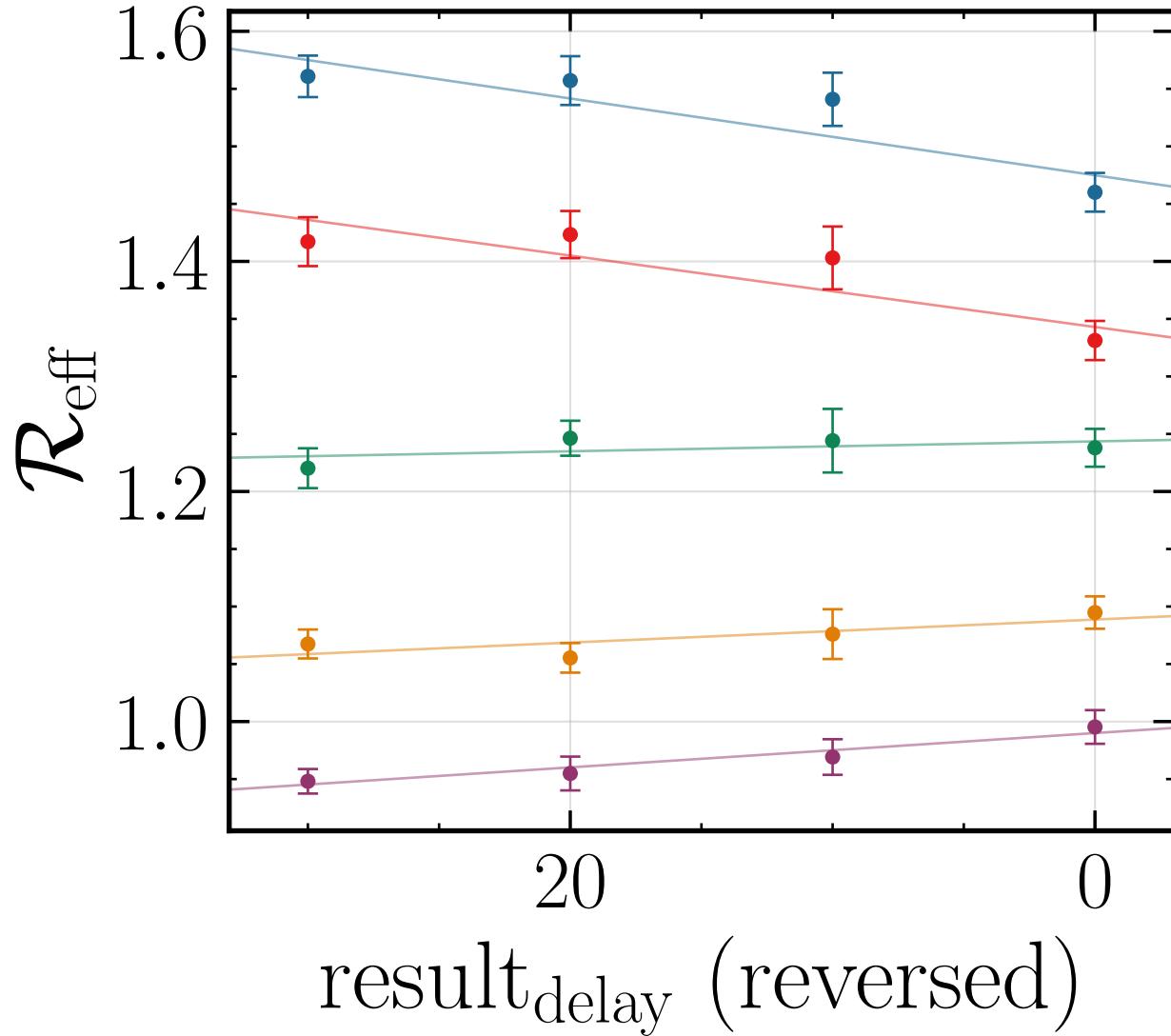
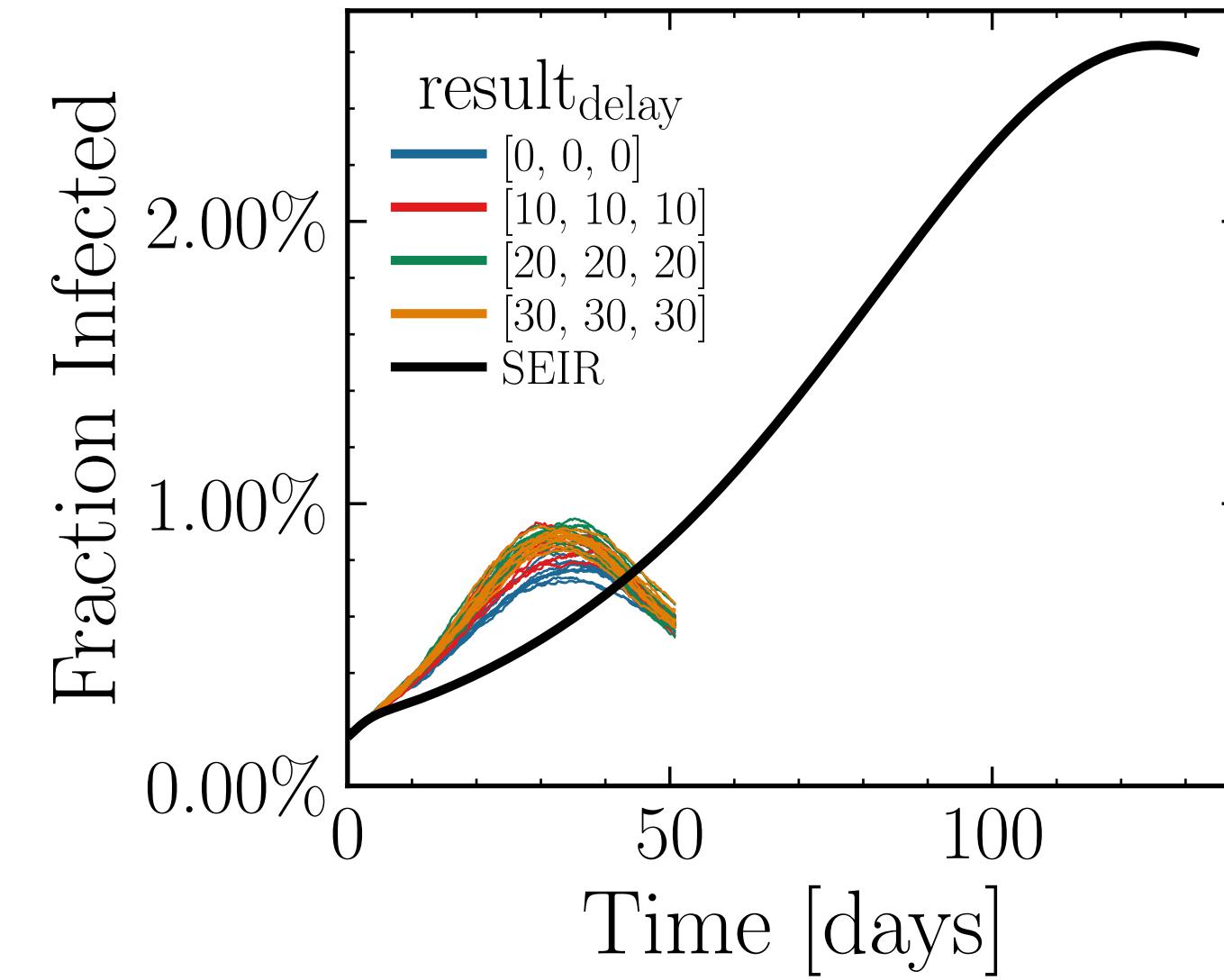
Day: 20,  $a=0.0020 \pm 0.0005$   
 Day: 25,  $a=0.0014 \pm 0.0006$   
 Day: 30,  $a=0.002 \pm 0.001$   
 Day: 35,  $a=0.004 \pm 0.001$   
 Day: 40,  $a=0.000 \pm 0.001$

$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 10.2022$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.0084$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 2K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 0.5$ , rand.inf. = True, w.rand.inf. = True,  $N_{\text{connect}} = 0$ ,  $f_{\text{work/other}} = 0.733$ ,  $N_{\text{contacts}_{\max}} = 0$   
 $N_{\text{events}} = 1.54K$ ,  $\text{event}_{\text{size}_{\max}} = 10$ ,  $\text{event}_{\text{size}_{\text{mean}}} = 3.1743$ ,  $\text{event}_{\beta_{\text{scaling}}} = 5.0$ ,  $\text{event}_{\text{weekend}_{\text{multiplier}}} = 2.0$   
do\_int. = True, int. = [3, 4, 5, 6],  $f_{\text{dailytests}} = 0.01$ , test\_delay = [0, 0, 25]  
chance\_fnd.inf. = [0.0, 0.15, 0.15, 0.15, 0.0], days\_look.back = 7, tracking\_delay = 10

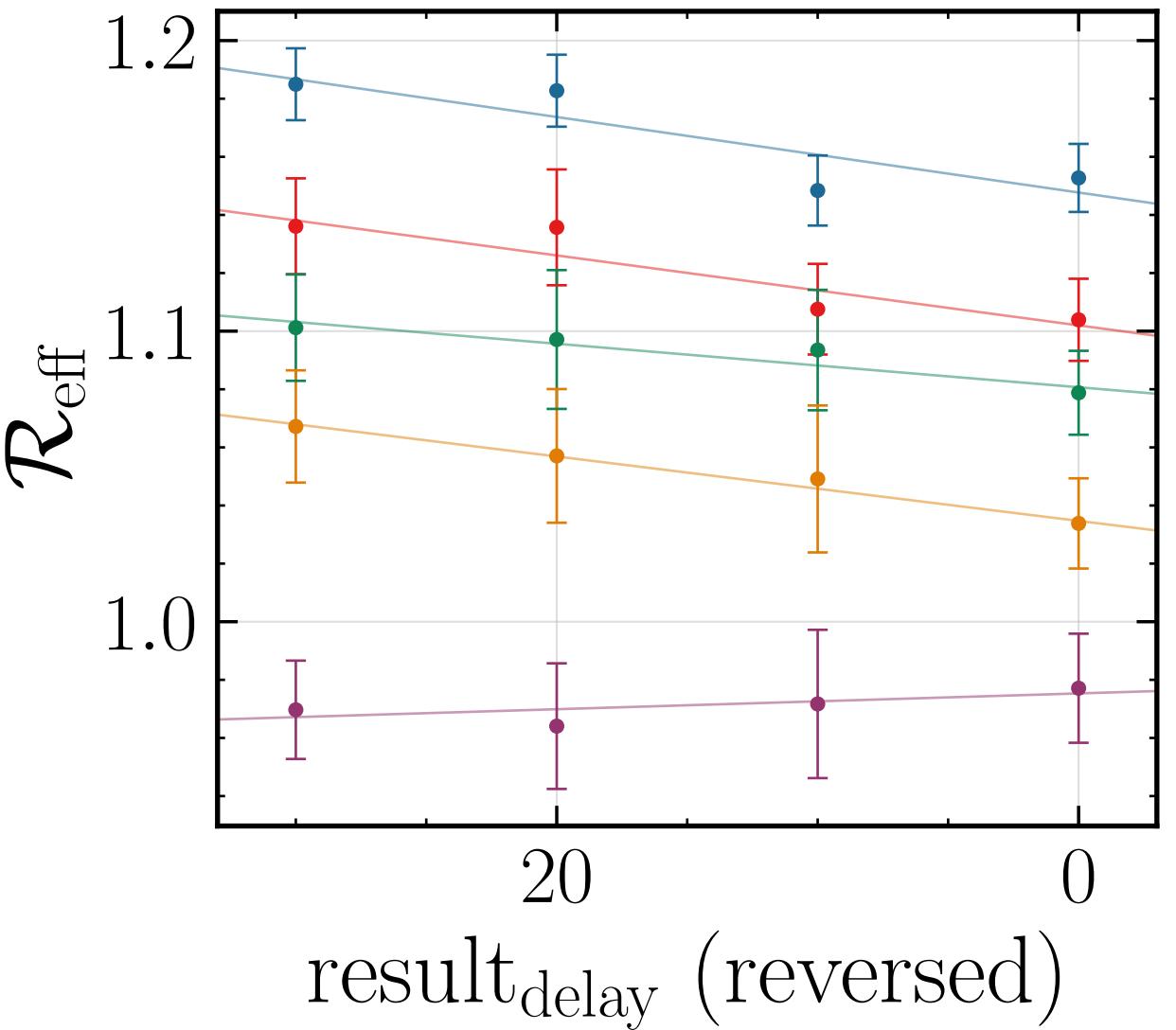
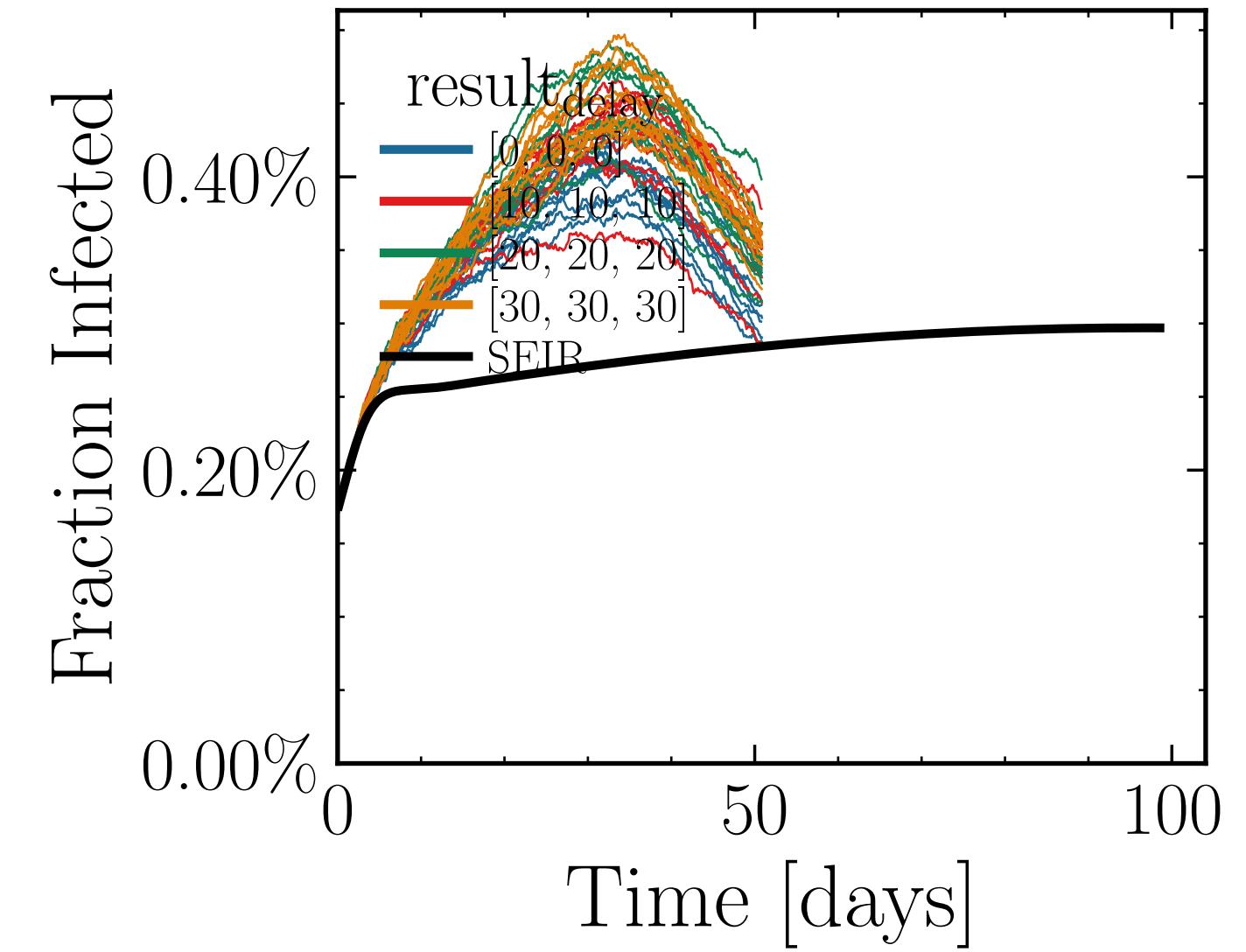


Day: 20,  $a=0.0011 \pm 0.0004$   
 Day: 25,  $a=0.0003 \pm 0.0005$   
 Day: 30,  $a=0.0013 \pm 0.0005$   
 Day: 35,  $a=0.0009 \pm 0.0006$   
 Day: 40,  $a=0.0003 \pm 0.0008$

$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 14.7998$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.0109$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 2K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 0.5$ , rand.inf. = True, w.rand.inf. = True,  $N_{\text{connect}}^{\text{retries}} = 0$ ,  $f_{\text{work/other}} = 0.5571$ ,  $N_{\text{contacts}_{\max}} = 0$   
 $N_{\text{events}} = 3.36K$ , event<sub>size<sub>max</sub></sub> = 10, event<sub>size<sub>mean</sub></sub> = 4.6243, event <sub>$\beta$ scaling</sub> = 5.0, event<sub>weekendmultiplier</sub> = 2.0  
do<sub>int.</sub> = True, int. = [3, 4, 5, 6],  $f_{\text{dailytests}} = 0.01$ , test<sub>delay</sub> = [0, 0, 25]  
chancefind.inf. = [0.0, 0.15, 0.15, 0.15, 0.0], days<sub>look.back</sub> = 7, tracking<sub>delay</sub> = 10

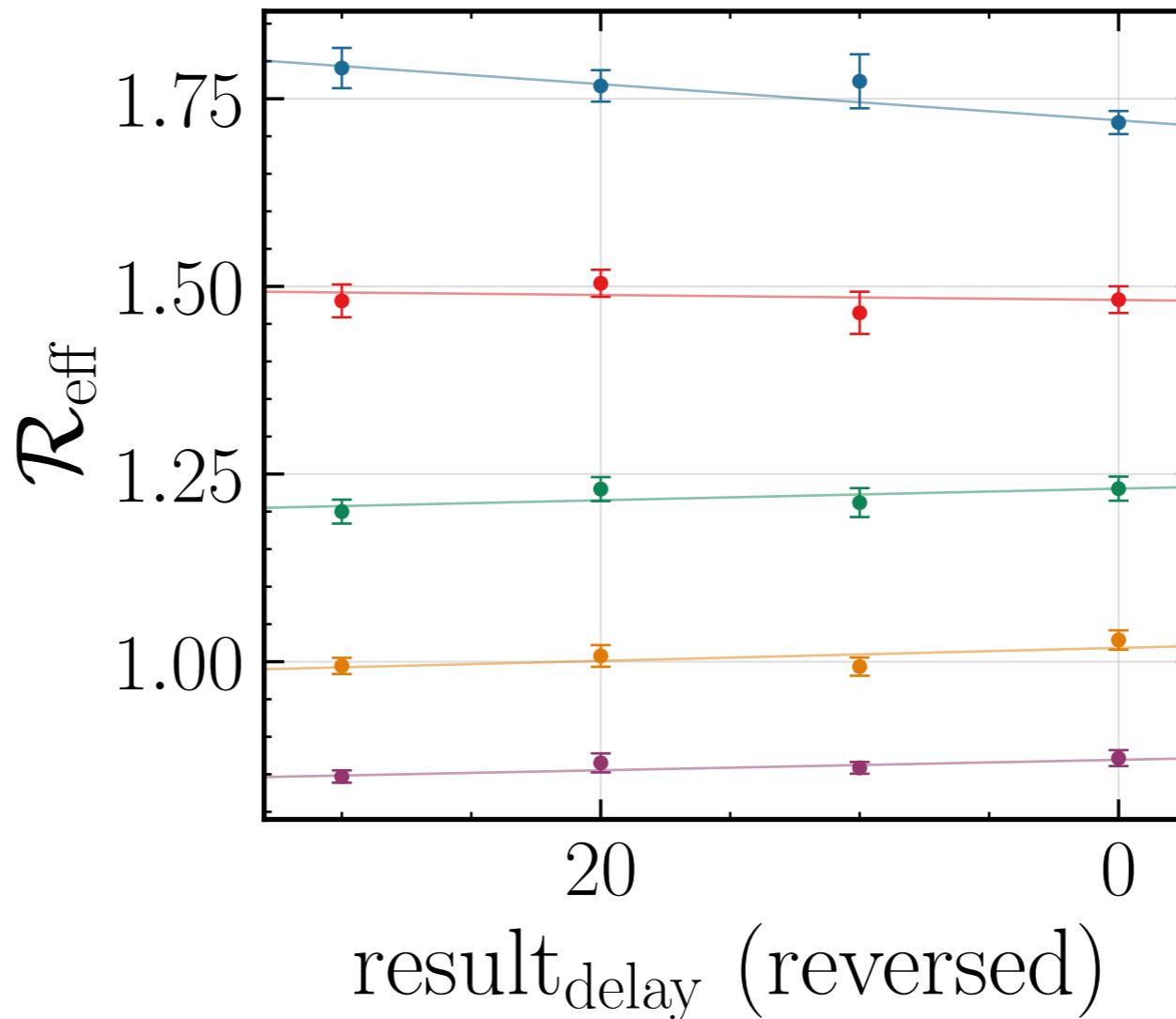
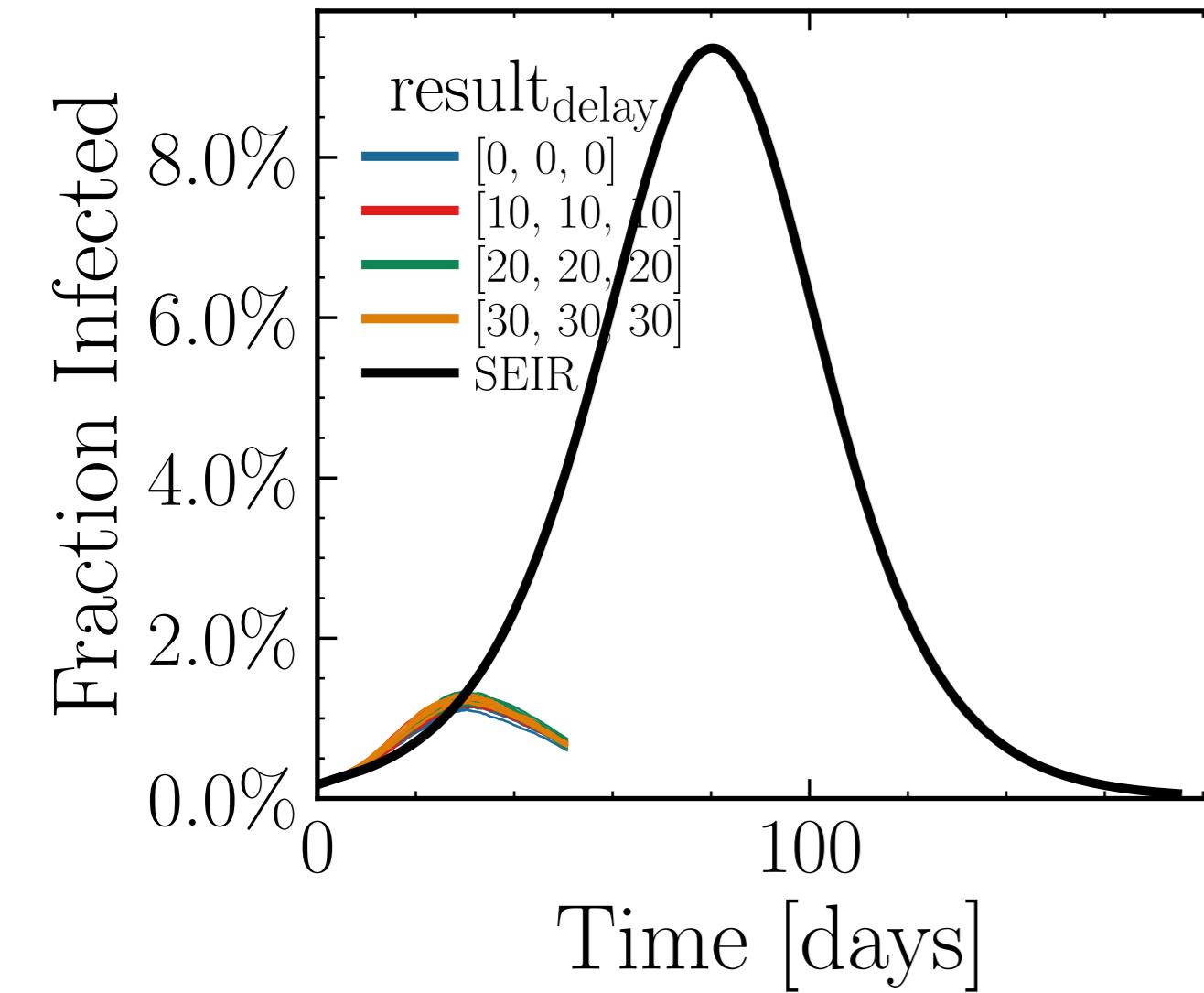


$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 14.7361$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.0088$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 2K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 0.5$ , rand.inf. = True, w.rand.inf. = True,  $N_{\text{connect}}^{\text{retries}} = 0$ ,  $f_{\text{work/other}} = 0.7204$ ,  $N_{\text{contacts}_{\max}} = 0$   
 $N_{\text{events}} = 3.05K$ , event<sub>size<sub>max</sub></sub> = 10, event<sub>size<sub>mean</sub></sub> = 4.7402, event <sub>$\beta$ scaling</sub> = 5.0, event<sub>weekendmultiplier</sub> = 2.0  
do<sub>int.</sub> = True, int. = [3, 4, 5, 6],  $f_{\text{dailytests}} = 0.01$ , test<sub>delay</sub> = [0, 0, 25]  
chancefind.inf. = [0.0, 0.15, 0.15, 0.15, 0.0], days<sub>look.back</sub> = 7, tracking<sub>delay</sub> = 10

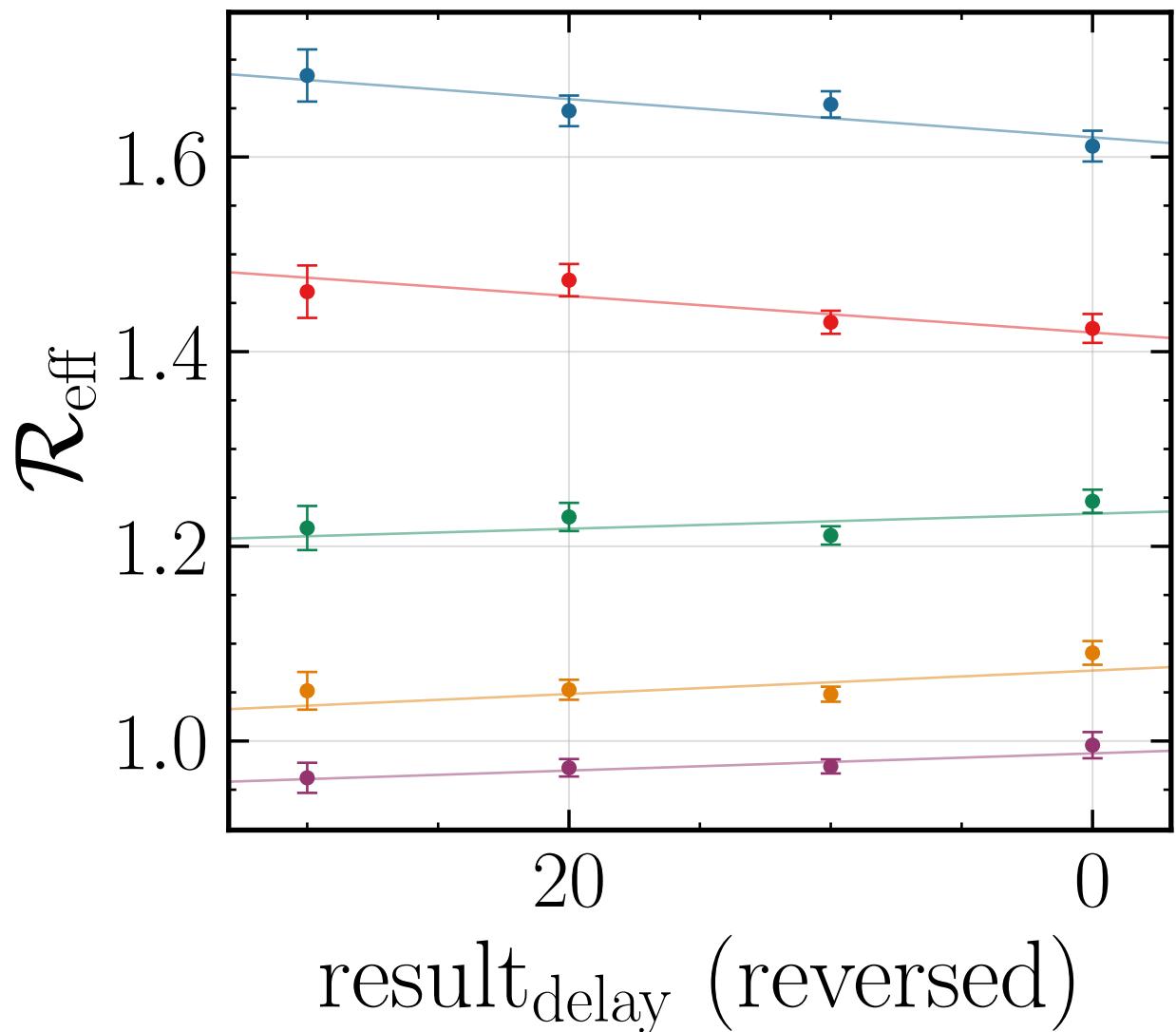
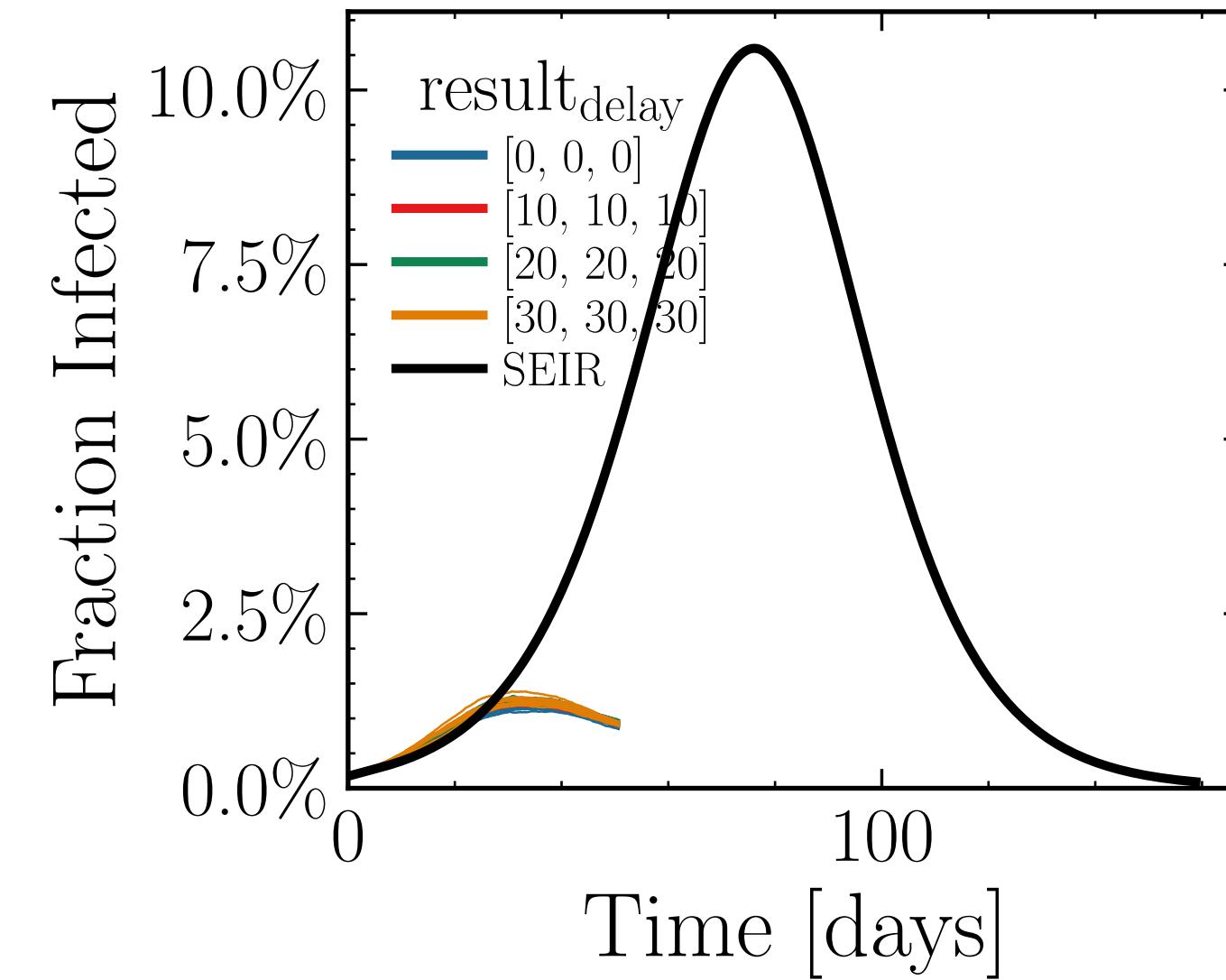


Day: 20,  $a=0.0013 \pm 0.0005$   
 Day: 25,  $a=0.0012 \pm 0.0007$   
 Day: 30,  $a=0.0007 \pm 0.0008$   
 Day: 35,  $a=0.0011 \pm 0.0008$   
 Day: 40,  $a=-0.0003 \pm 0.0008$

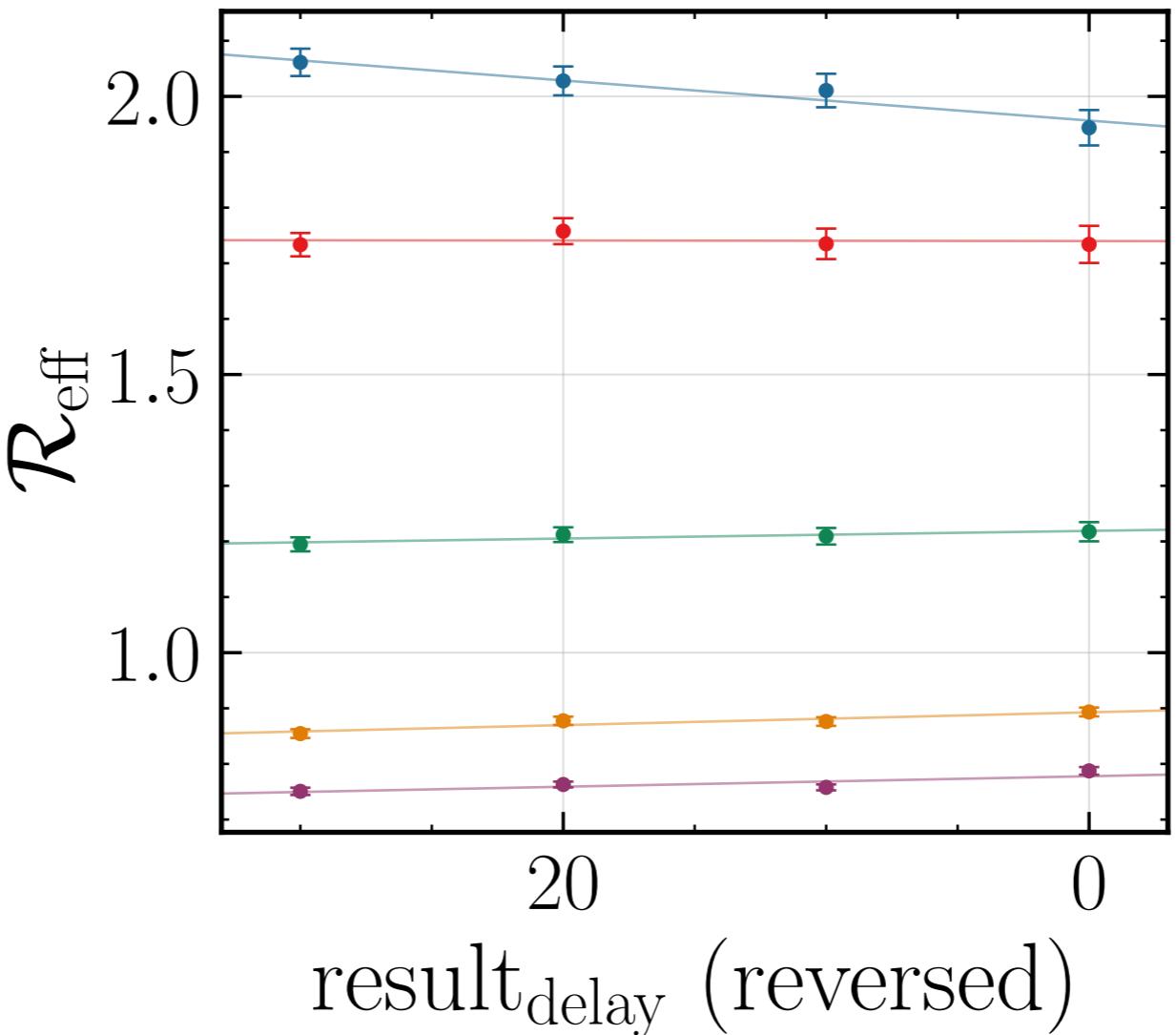
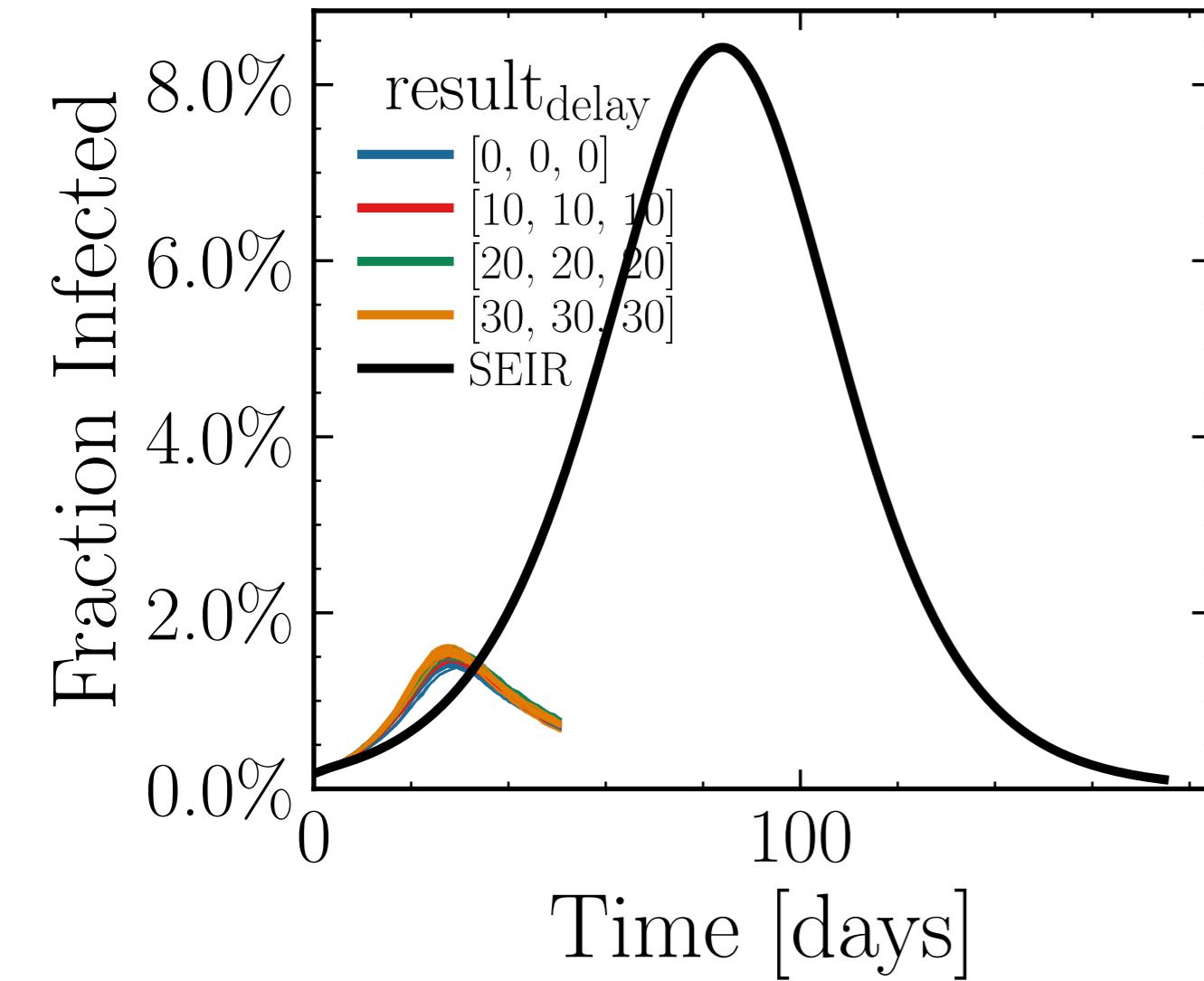
$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 18.5795$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.0116$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 2K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 0.5$ , rand.inf. = True, w.rand.inf. = True,  $N_{\text{connect}}^{\text{retries}} = 0$ ,  $f_{\text{work/other}} = 0.7389$ ,  $N_{\text{contacts}_{\max}} = 0$   
 $N_{\text{events}} = 3.73K$ , event<sub>size<sub>max</sub></sub> = 10, event<sub>size<sub>mean</sub></sub> = 4.6885, event <sub>$\beta$ scaling</sub> = 5.0, event<sub>weekendmultiplier</sub> = 2.0  
do<sub>int.</sub> = True, int. = [3, 4, 5, 6],  $f_{\text{dailytests}} = 0.01$ , test<sub>delay</sub> = [0, 0, 25]  
chance<sub>find.inf.</sub> = [0.0, 0.15, 0.15, 0.15, 0.0], days<sub>look.back</sub> = 7, tracking<sub>delay</sub> = 10



$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 18.9177$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.0119$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 2K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 0.5$ , rand.inf. = True, w.rand.inf. = True,  $N_{\text{connect}}^{\text{retries}} = 0$ ,  $f_{\text{work/other}} = 0.7855$ ,  $N_{\text{contacts}_{\max}} = 0$   
 $N_{\text{events}} = 4.8K$ , event<sub>size<sub>max</sub></sub> = 10, event<sub>size<sub>mean</sub></sub> = 3.8752, event <sub>$\beta$ scaling</sub> = 5.0, event<sub>weekendmultiplier</sub> = 2.0  
do<sub>int.</sub> = True, int. = [3, 4, 5, 6],  $f_{\text{dailytests}} = 0.01$ , test<sub>delay</sub> = [0, 0, 25]  
chance<sub>find.inf.</sub> = [0.0, 0.15, 0.15, 0.15, 0.0], days<sub>look.back</sub> = 7, tracking<sub>delay</sub> = 10

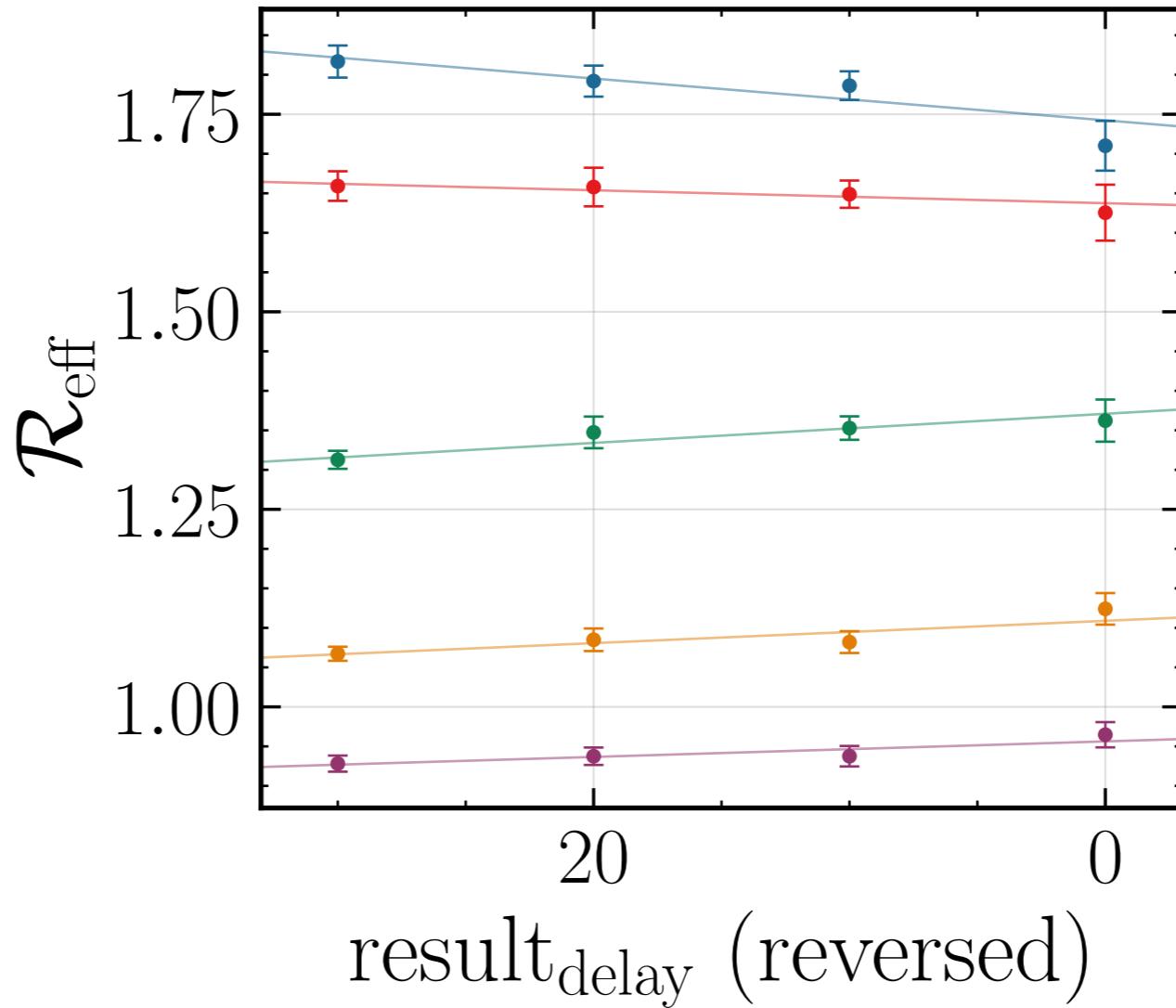
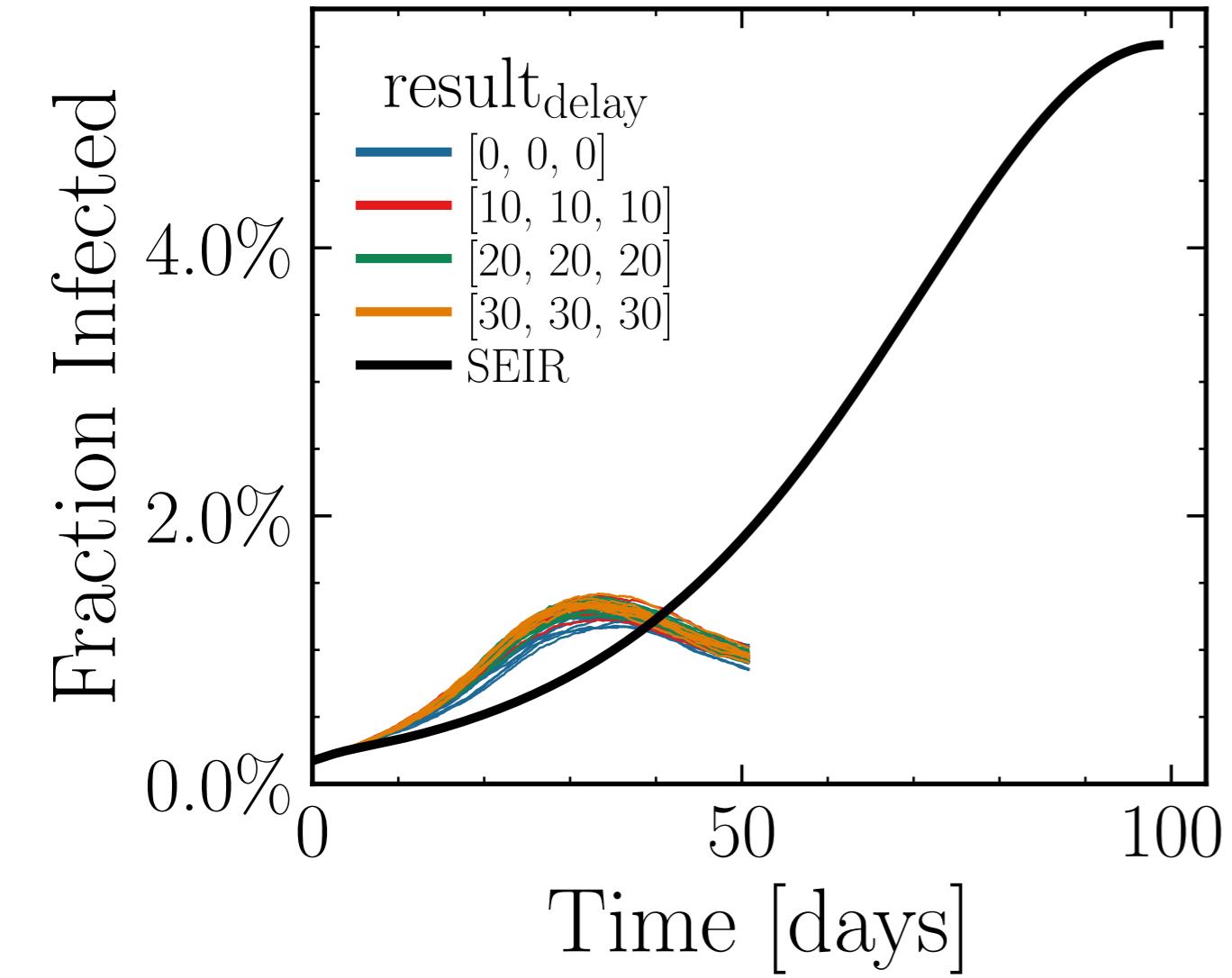


$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 16.3992$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.0127$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 2K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 0.5$ , rand.inf. = True, w.rand.inf. = True,  $N_{\text{connect}}^{\text{retries}} = 0$ ,  $f_{\text{work/other}} = 0.4573$ ,  $N_{\text{contacts}_{\text{max}}} = 0$   
 $N_{\text{events}} = 1.8K$ , event<sub>size<sub>max</sub></sub> = 10, event<sub>size<sub>mean</sub></sub> = 3.2365, event <sub>$\beta$</sub> <sub>scaling</sub> = 5.0, event<sub>weekend<sub>multiplier</sub></sub> = 2.0  
do<sub>int.</sub> = True, int. = [3, 4, 5, 6],  $f_{\text{dailytests}} = 0.01$ , test<sub>delay</sub> = [0, 0, 25]  
chance<sub>find.inf.</sub> = [0.0, 0.15, 0.15, 0.15, 0.0], days<sub>look.back</sub> = 7, tracking<sub>delay</sub> = 10

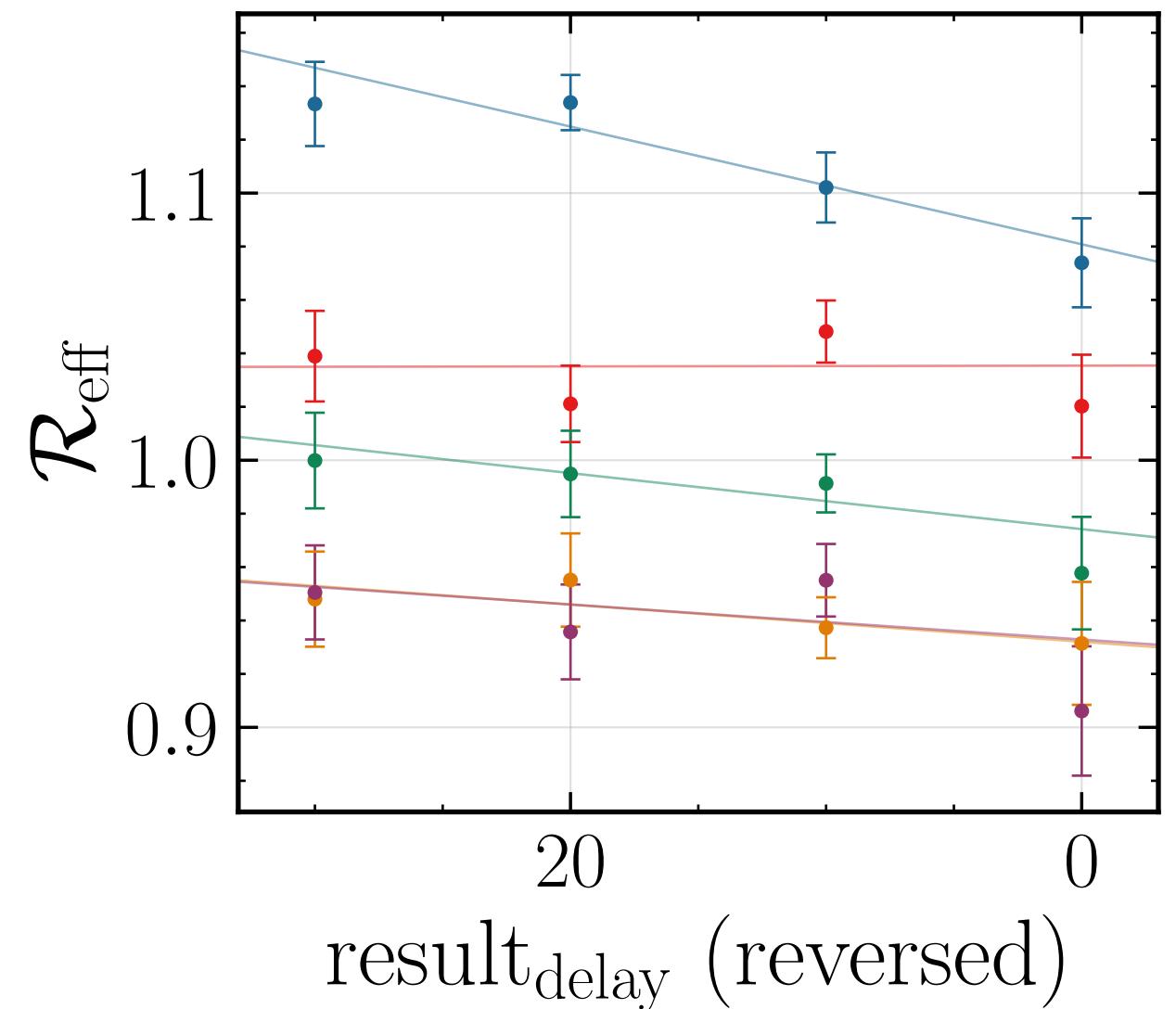
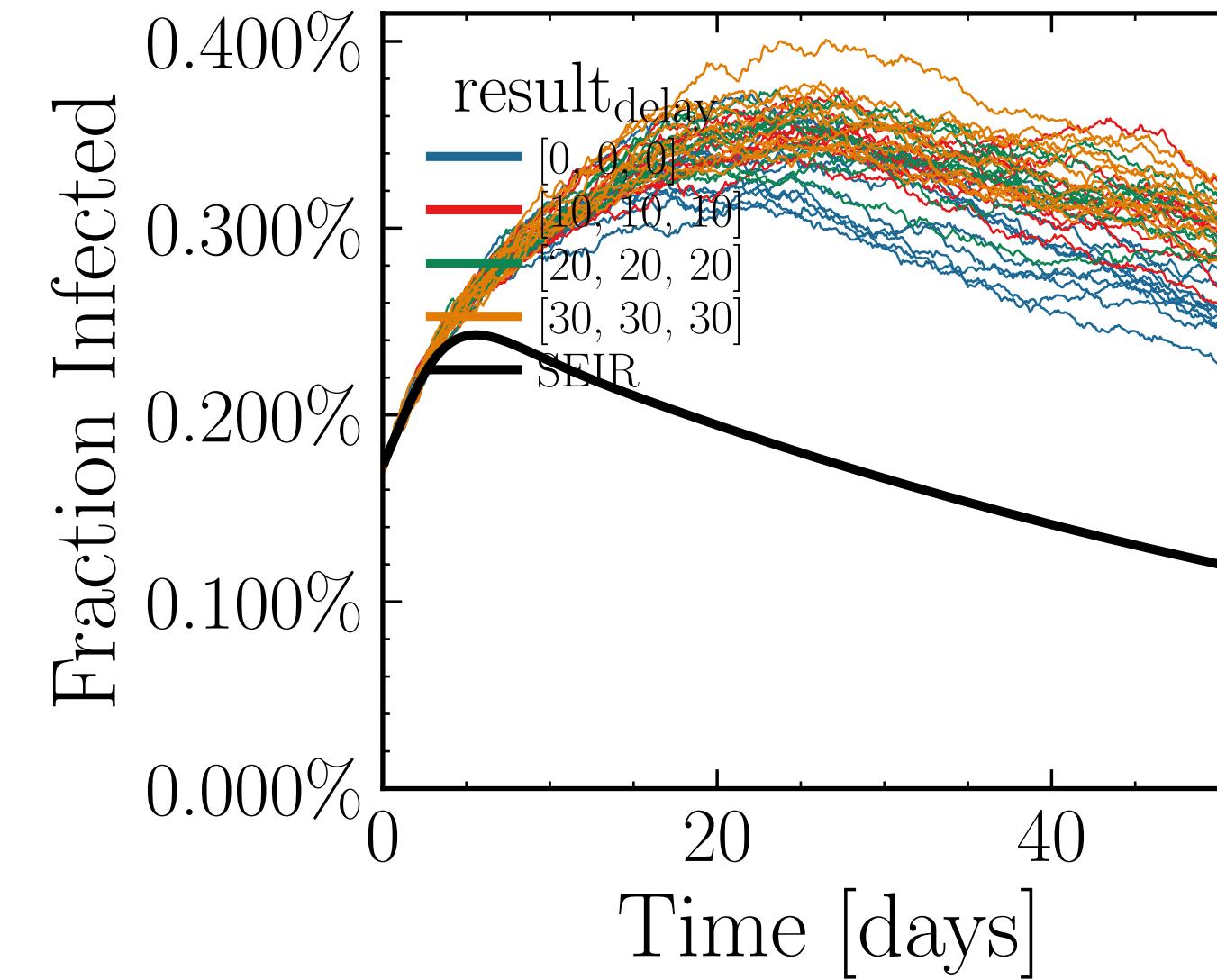


Day	a (approx.)	error (approx.)
20	0.004	0.001
25	0.000	0.001
30	-0.0007	0.0007
35	-0.0011	0.0004
40	-0.0009	0.0003

$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 14.736$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.0126$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 2K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 0.5$ , rand.inf. = True, w.rand.inf. = True,  $N_{\text{connect}}^{\text{retries}} = 0$ ,  $f_{\text{work/other}} = 0.4745$ ,  $N_{\text{contacts}_{\text{max}}} = 0$   
 $N_{\text{events}} = 1.64K$ ,  $\text{event}_{\text{size}_{\text{max}}} = 10$ ,  $\text{event}_{\text{size}_{\text{mean}}} = 3.2118$ ,  $\text{event}_{\beta_{\text{scaling}}} = 5.0$ ,  $\text{event}_{\text{weekend}_{\text{multiplier}}} = 2.0$   
do\_int. = True, int. = [3, 4, 5, 6],  $f_{\text{dailytests}} = 0.01$ , test\_delay = [0, 0, 25]  
chance\_find.inf. = [0.0, 0.15, 0.15, 0.15, 0.0], days\_look.back = 7, tracking\_delay = 10

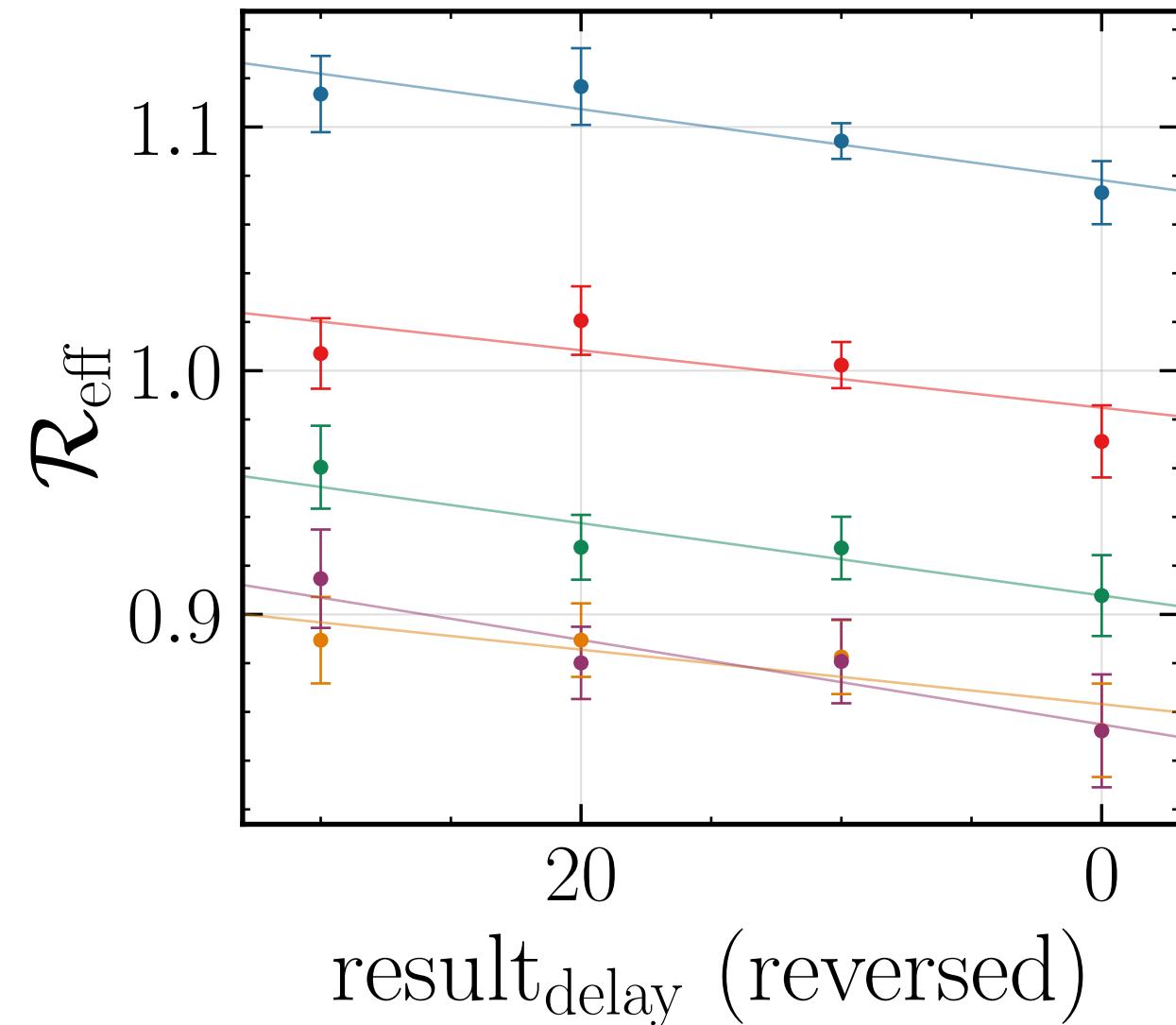
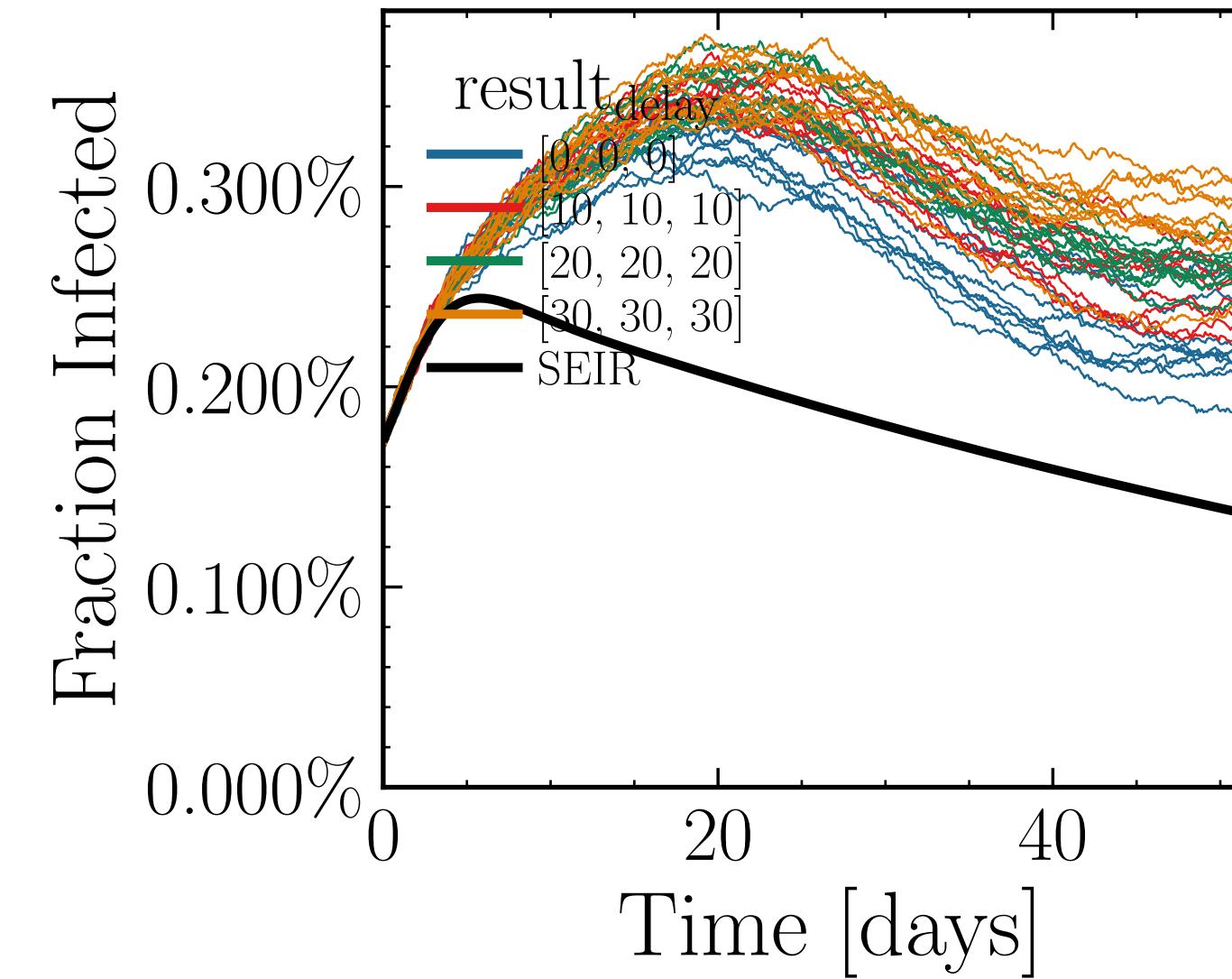


$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 10.1879$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.0107$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 2K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 0.5$ , rand.inf. = True, w.rand.inf. = True,  $N_{\text{connect}} = 0$ ,  $f_{\text{work/other}} = 0.6471$ ,  $N_{\text{contacts}_{\max}} = 0$   
 $N_{\text{events}} = 3.93K$ ,  $\text{event}_{\text{size}_{\max}} = 10$ ,  $\text{event}_{\text{size}_{\text{mean}}} = 4.1369$ ,  $\text{event}_{\beta_{\text{scaling}}} = 5.0$ ,  $\text{event}_{\text{weekend}_{\text{multiplier}}} = 2.0$   
do\_int. = True, int. = [3, 4, 5, 6],  $f_{\text{dailytests}} = 0.01$ , test\_delay = [0, 0, 25]  
chance\_fnd.inf. = [0.0, 0.15, 0.15, 0.15, 0.0], days\_look.back = 7, tracking\_delay = 10



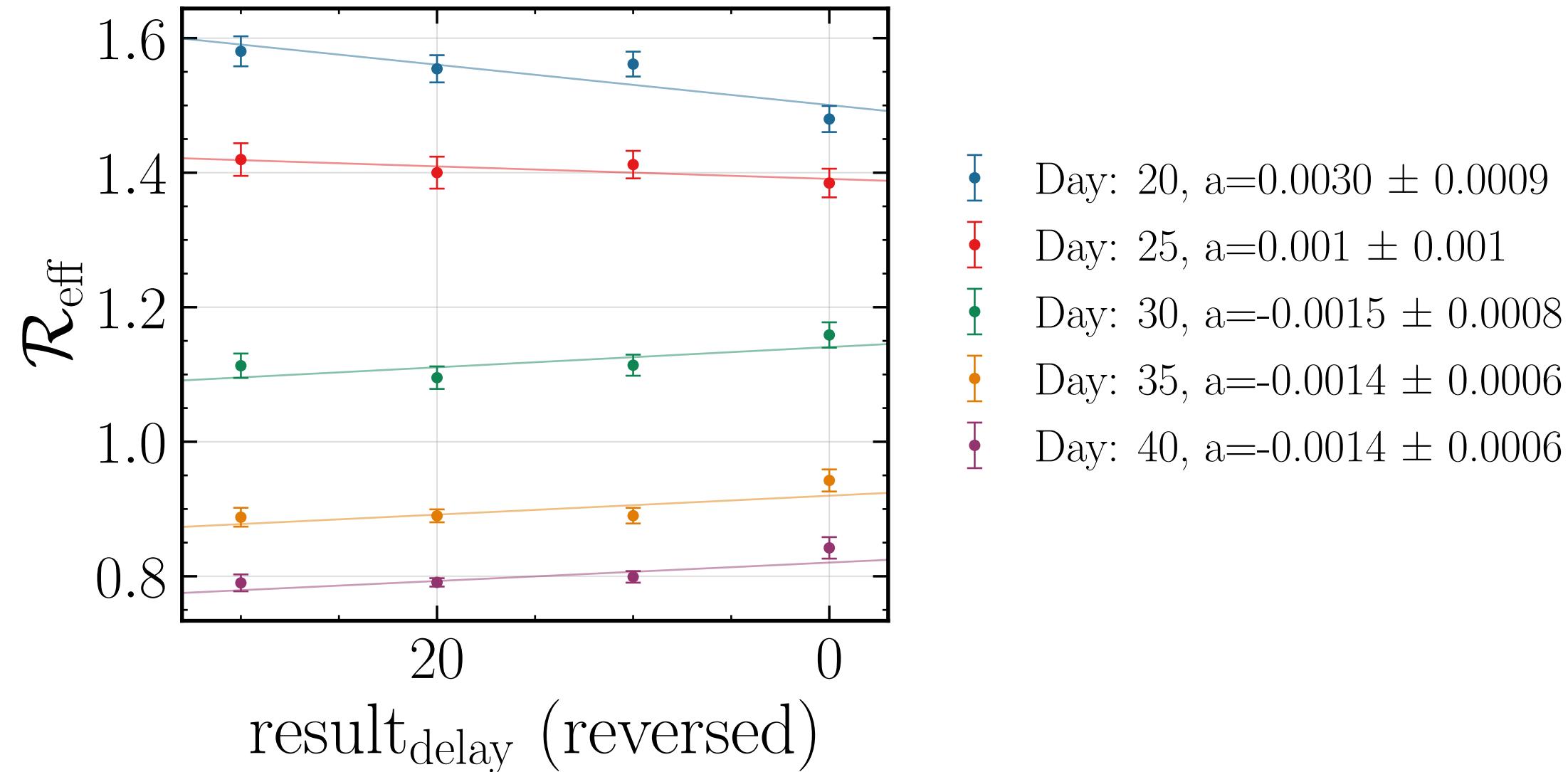
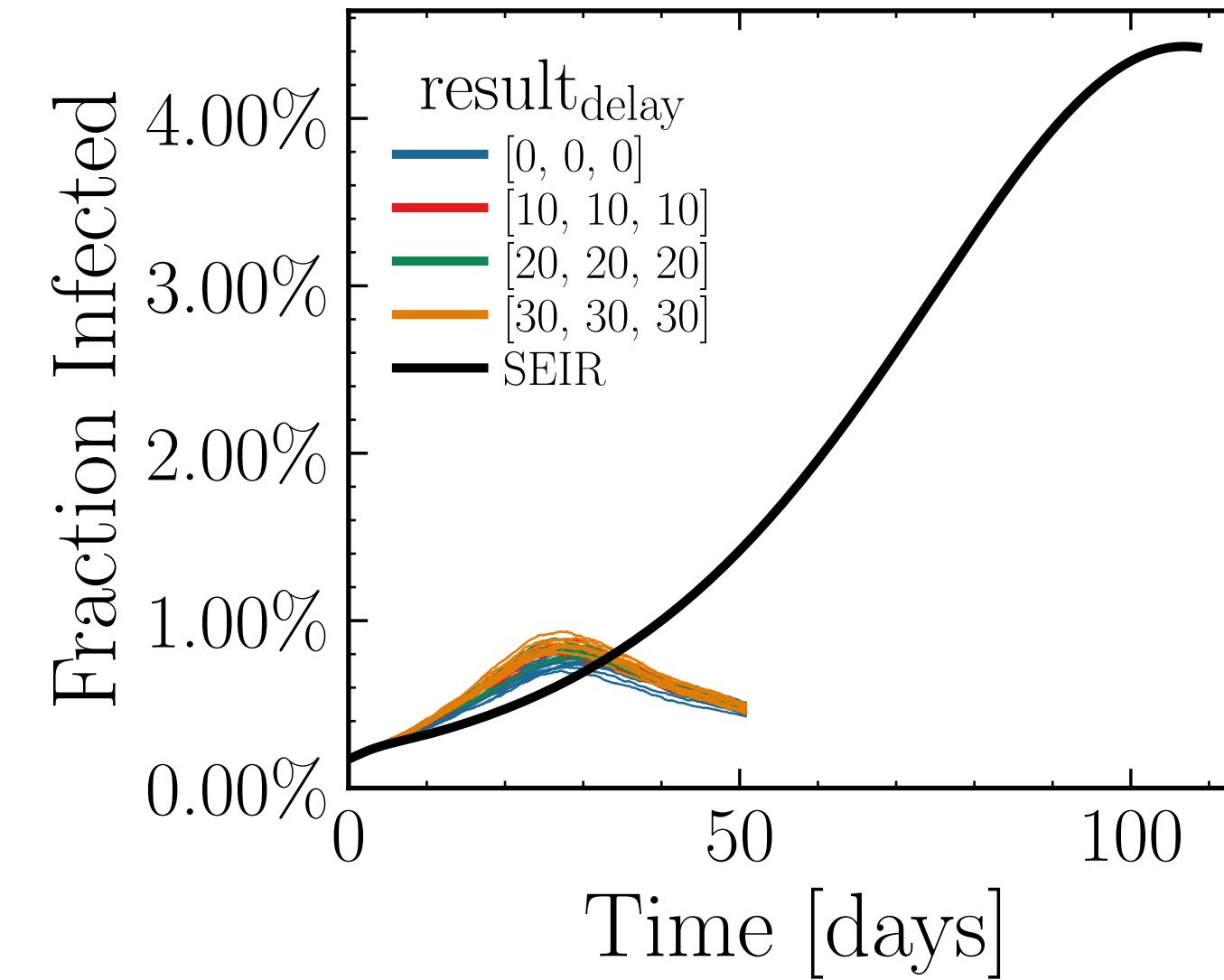
Day: 20,  $a=0.0022 \pm 0.0007$   
 Day: 25,  $a=0.0000 \pm 0.0008$   
 Day: 30,  $a=0.0010 \pm 0.0008$   
 Day: 35,  $a=0.0007 \pm 0.0008$   
 Day: 40,  $a=0.0007 \pm 0.0009$

$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 10.6023$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.0106$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 2K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 0.5$ , rand.inf. = True, w.rand.inf. = True,  $N_{\text{connect}} = 0$ ,  $f_{\text{work/other}} = 0.6667$ ,  $N_{\text{contacts}_{\max}} = 0$   
 $N_{\text{events}} = 3.59K$ ,  $\text{event}_{\text{size}_{\max}} = 10$ ,  $\text{event}_{\text{size}_{\text{mean}}} = 4.3953$ ,  $\text{event}_{\beta_{\text{scaling}}} = 5.0$ ,  $\text{event}_{\text{weekend}_{\text{multiplier}}} = 2.0$   
do\_int. = True, int. = [3, 4, 5, 6],  $f_{\text{dailytests}} = 0.01$ , test\_delay = [0, 0, 25]  
chance\_fnd.inf. = [0.0, 0.15, 0.15, 0.15, 0.0], days\_look.back = 7, tracking\_delay = 10

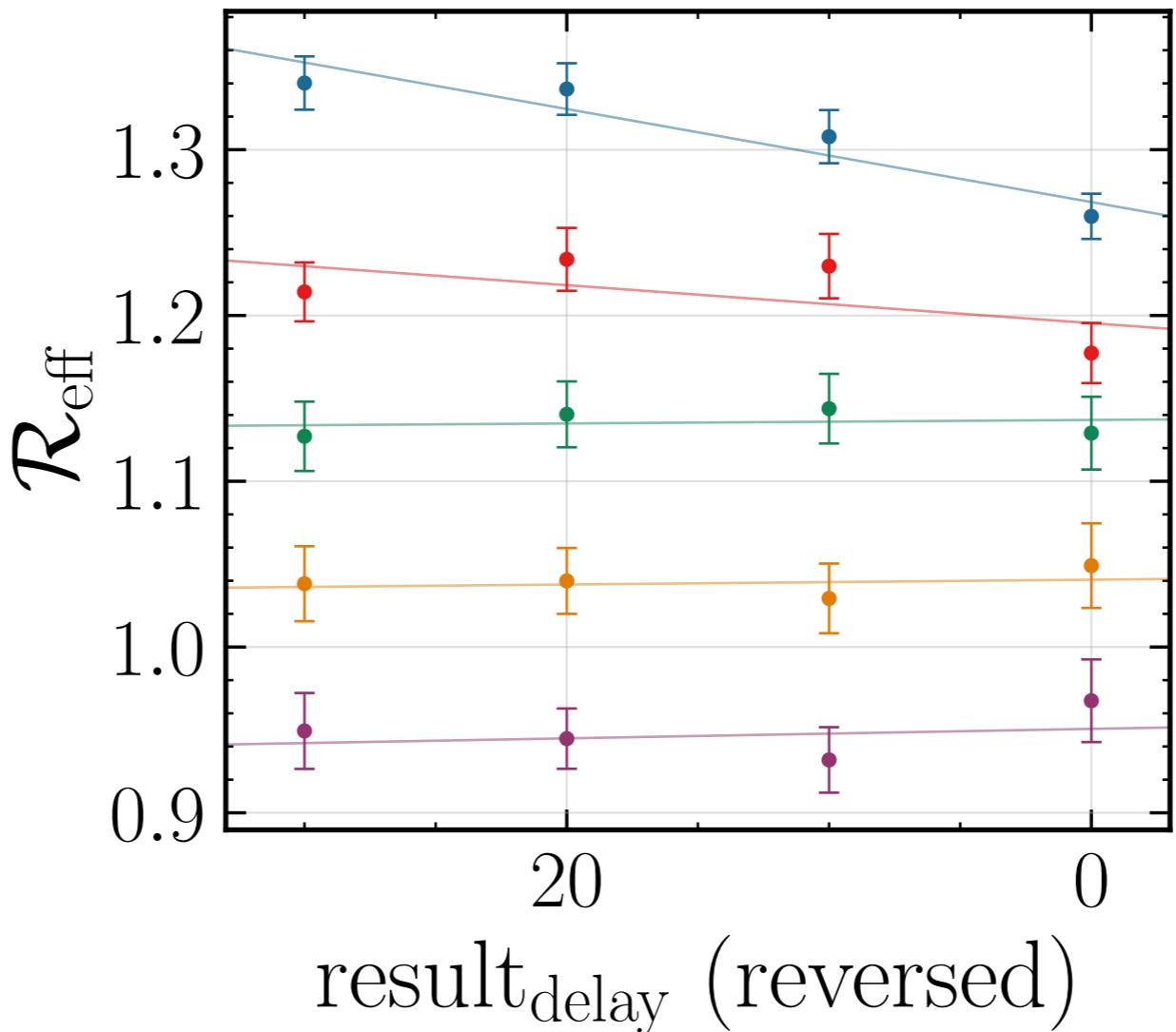
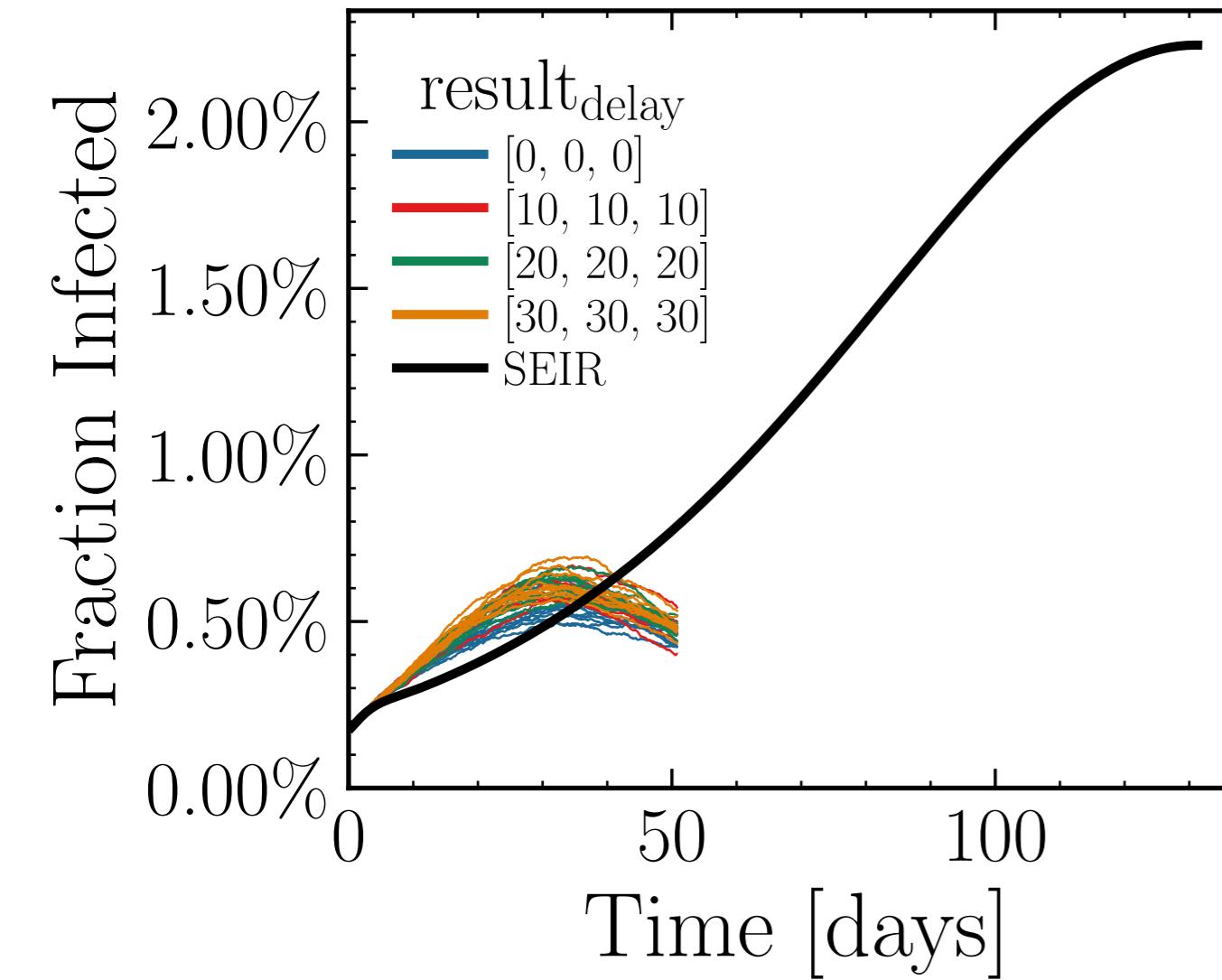


Day: 20,  $a=0.0015 \pm 0.0006$   
 Day: 25,  $a=0.0012 \pm 0.0006$   
 Day: 30,  $a=0.0015 \pm 0.0007$   
 Day: 35,  $a=0.0011 \pm 0.0008$   
 Day: 40,  $a=0.0017 \pm 0.0009$

$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 19.026$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.0093$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 2K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 0.5$ , rand.inf. = True, w.rand.inf. = True,  $N_{\text{connect}} = 0$ ,  $f_{\text{work/other}} = 0.58$ ,  $N_{\text{contacts}_{\max}} = 0$   
 $N_{\text{events}} = 4.62K$ , event<sub>size<sub>max</sub></sub> = 10, event<sub>size<sub>mean</sub></sub> = 3.773, event <sub>$\beta$ scaling</sub> = 5.0, event<sub>weekendmultiplier</sub> = 2.0  
do<sub>int.</sub> = True, int. = [3, 4, 5, 6],  $f_{\text{dailytests}} = 0.01$ , test<sub>delay</sub> = [0, 0, 25]  
chancefind.inf. = [0.0, 0.15, 0.15, 0.15, 0.0], days<sub>look.back</sub> = 7, tracking<sub>delay</sub> = 10

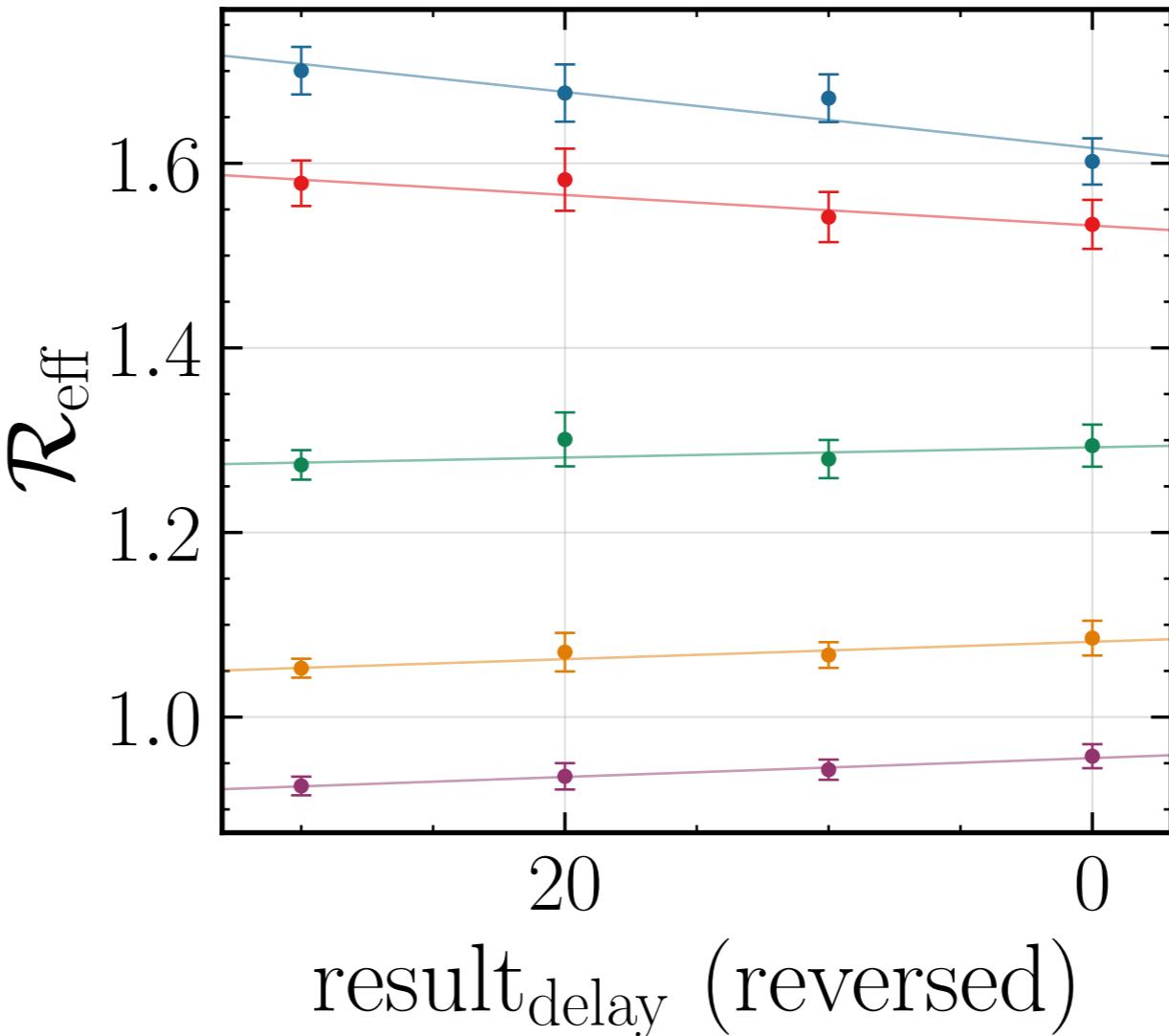
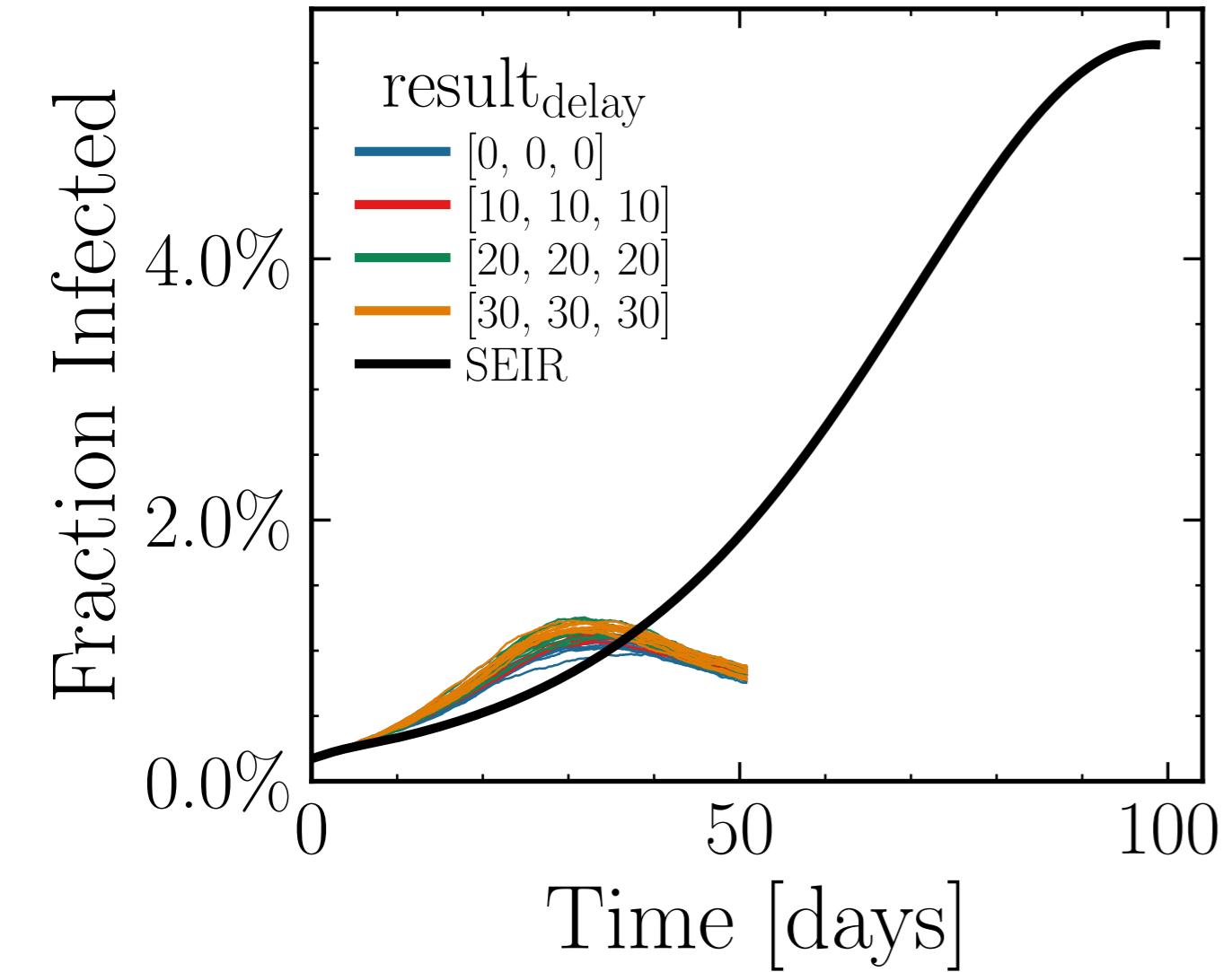


$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 17.5069$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.009$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 2K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 0.5$ , rand.inf. = True, w.rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$ ,  $f_{\text{work/other}} = 0.6431$ ,  $N_{\text{contacts}_{\max}} = 0$   
 $N_{\text{events}} = 4.19K$ , event<sub>size<sub>max</sub></sub> = 10, event<sub>size<sub>mean</sub></sub> = 3.7163, event <sub>$\beta$ scaling</sub> = 5.0, event<sub>weekendmultiplier</sub> = 2.0  
do<sub>int.</sub> = True, int. = [3, 4, 5, 6],  $f_{\text{dailytests}} = 0.01$ , test<sub>delay</sub> = [0, 0, 25]  
chance<sub>find.inf.</sub> = [0.0, 0.15, 0.15, 0.15, 0.0], days<sub>look.back</sub> = 7, tracking<sub>delay</sub> = 10



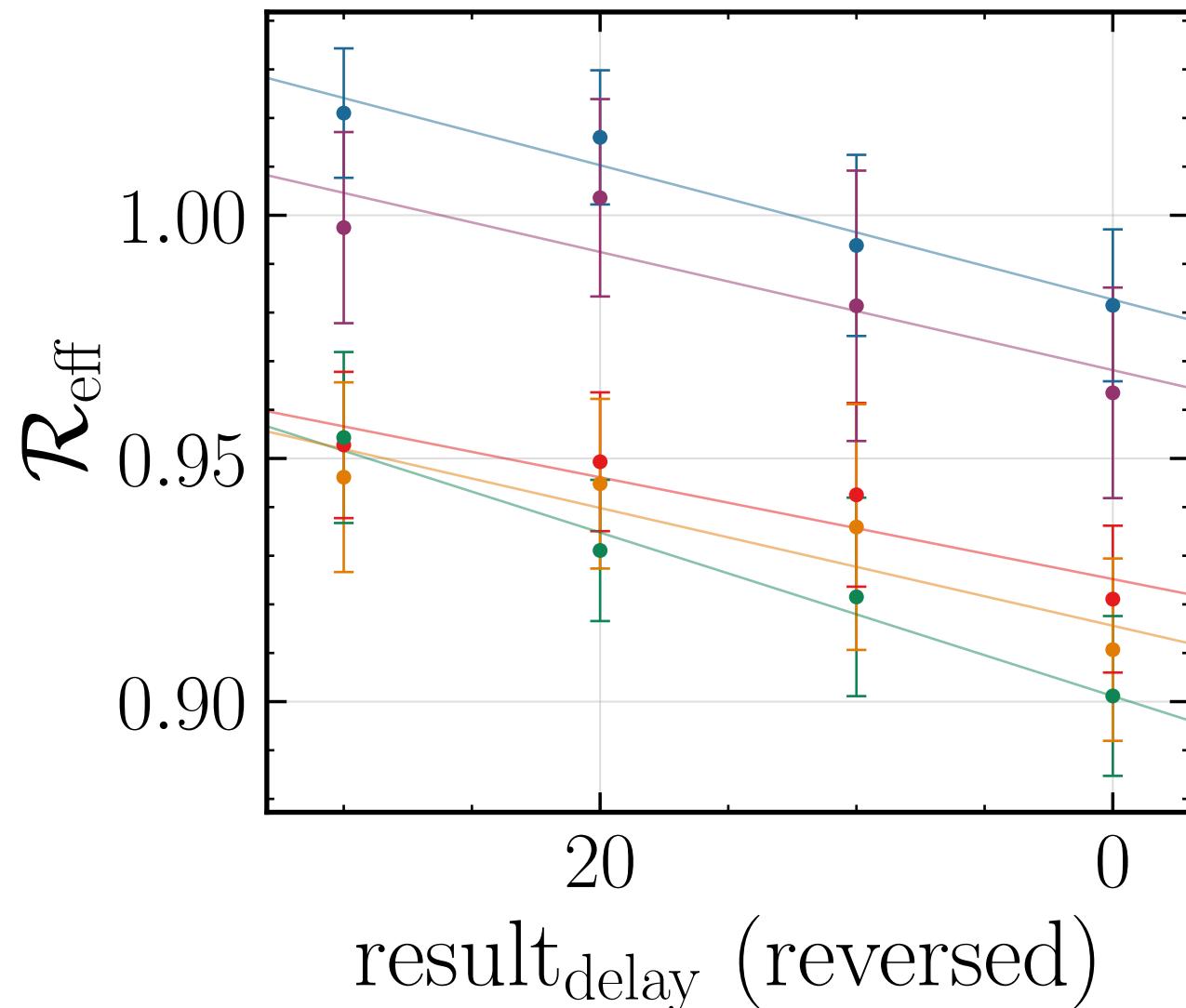
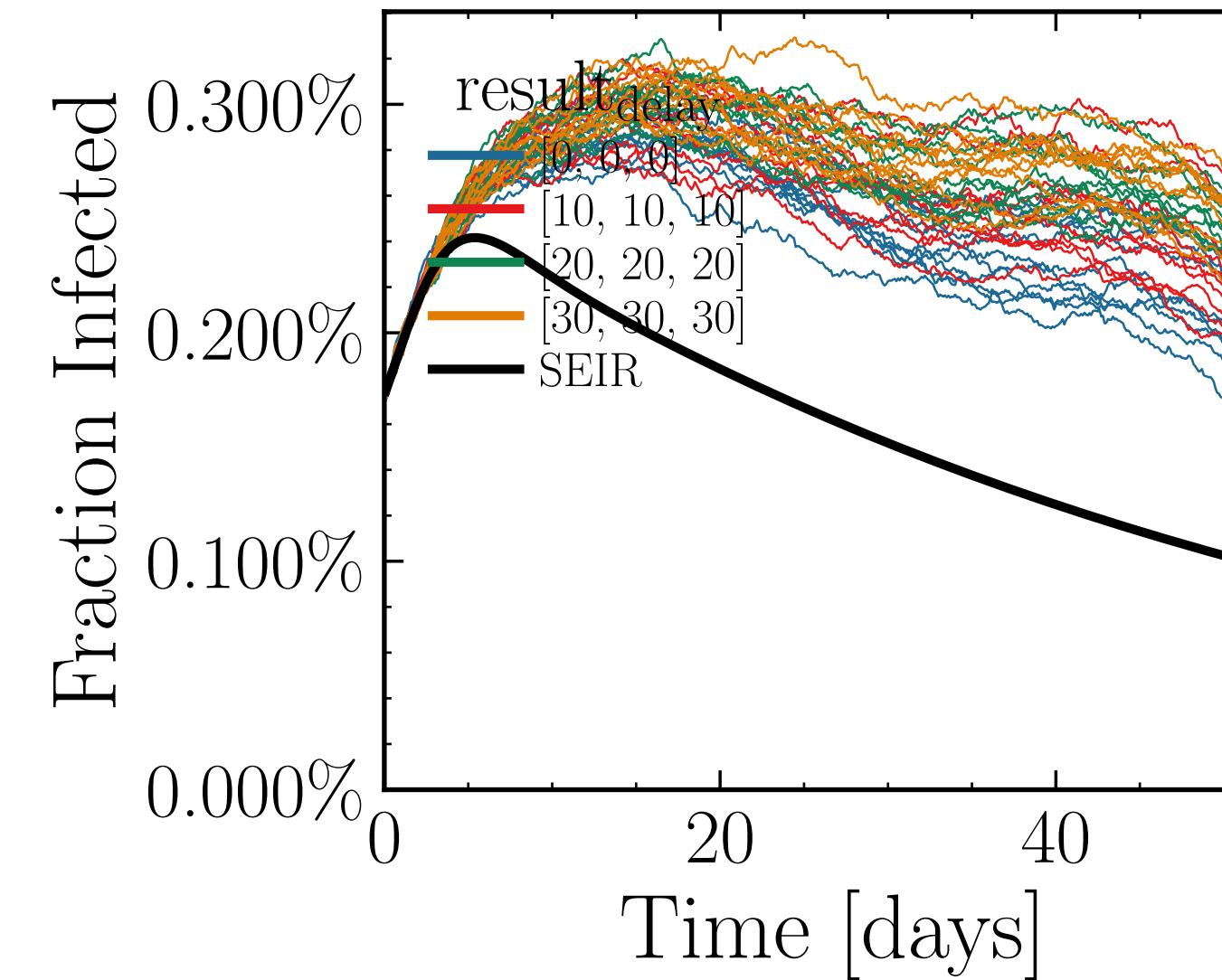
Day	a
20	$0.0028 \pm 0.0007$
25	$0.0011 \pm 0.0008$
30	$0.000 \pm 0.001$
35	$0.000 \pm 0.001$
40	$0.000 \pm 0.001$

$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 15.8185$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.0118$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 2K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 0.5$ , rand.inf. = True, w.rand.inf. = True,  $N_{\text{connect}}^{\text{retries}} = 0$ ,  $f_{\text{work/other}} = 0.5657$ ,  $N_{\text{contacts}_{\max}} = 0$   
 $N_{\text{events}} = 1.64K$ , event<sub>size<sub>max</sub></sub> = 10, event<sub>size<sub>mean</sub></sub> = 4.9906, event <sub>$\beta$ scaling</sub> = 5.0, event<sub>weekendmultiplier</sub> = 2.0  
do<sub>int.</sub> = True, int. = [3, 4, 5, 6],  $f_{\text{dailytests}} = 0.01$ , test<sub>delay</sub> = [0, 0, 25]  
chance<sub>find.inf.</sub> = [0.0, 0.15, 0.15, 0.15, 0.0], days<sub>look.back</sub> = 7, tracking<sub>delay</sub> = 10



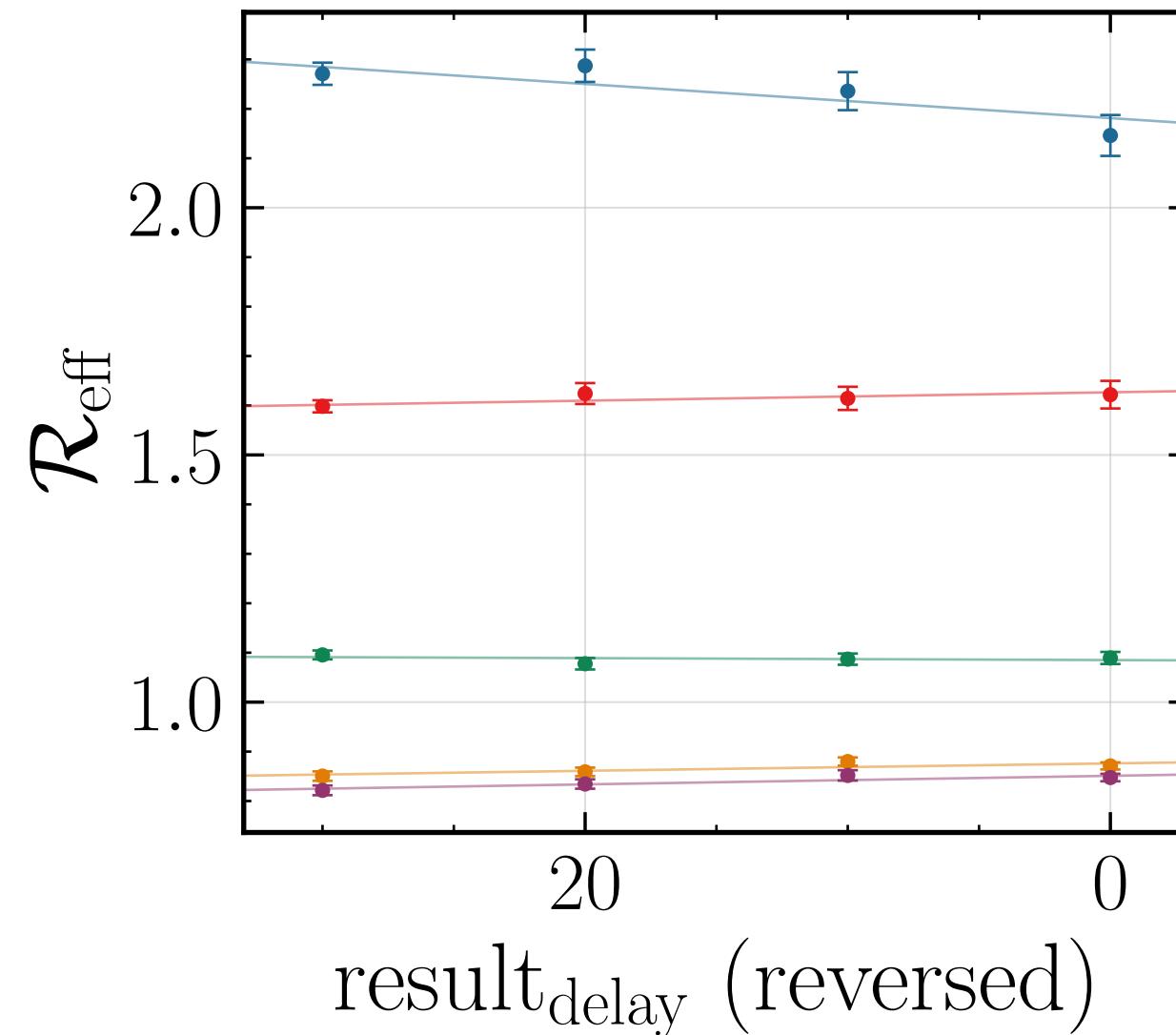
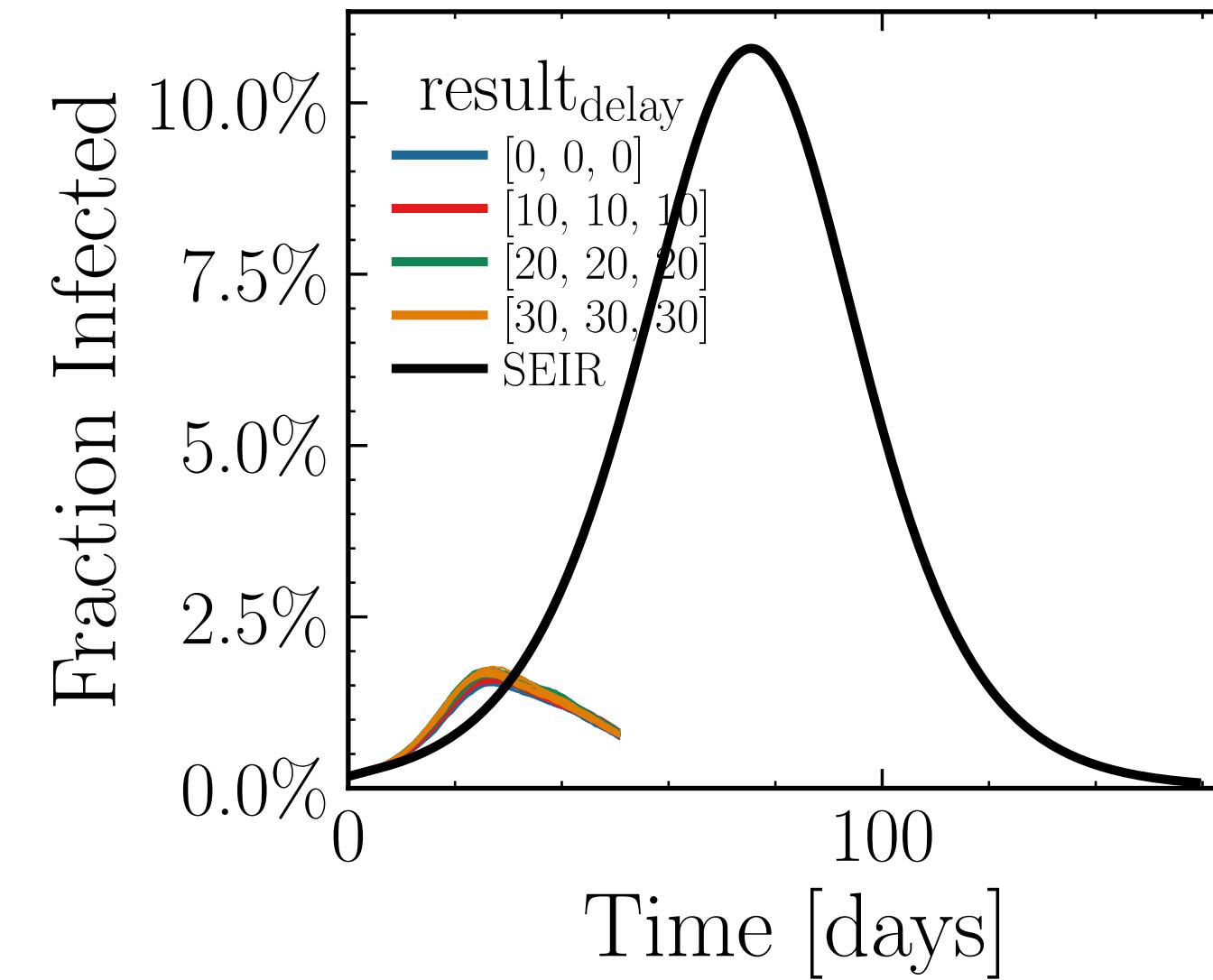
Day: 20,  $a=0.003 \pm 0.001$   
 Day: 25,  $a=0.002 \pm 0.001$   
 Day: 30,  $a=-0.0006 \pm 0.0009$   
 Day: 35,  $a=-0.0009 \pm 0.0006$   
 Day: 40,  $a=-0.0010 \pm 0.0005$

$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 11.1038$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.0095$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 2K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 0.5$ , rand.inf. = True, w.rand.inf. = True,  $N_{\text{connect}} = 0$ ,  $f_{\text{work/other}} = 0.6625$ ,  $N_{\text{contacts}_{\max}} = 0$   
 $N_{\text{events}} = 2.68K$ ,  $\text{event}_{\text{size}_{\max}} = 10$ ,  $\text{event}_{\text{size}_{\text{mean}}} = 3.3179$ ,  $\text{event}_{\beta_{\text{scaling}}} = 5.0$ ,  $\text{event}_{\text{weekend}_{\text{multiplier}}} = 2.0$   
do\_int. = True, int. = [3, 4, 5, 6],  $f_{\text{dailytests}} = 0.01$ , test\_delay = [0, 0, 25]  
chance\_fnd.inf. = [0.0, 0.15, 0.15, 0.15, 0.0], days\_look.back = 7, tracking\_delay = 10



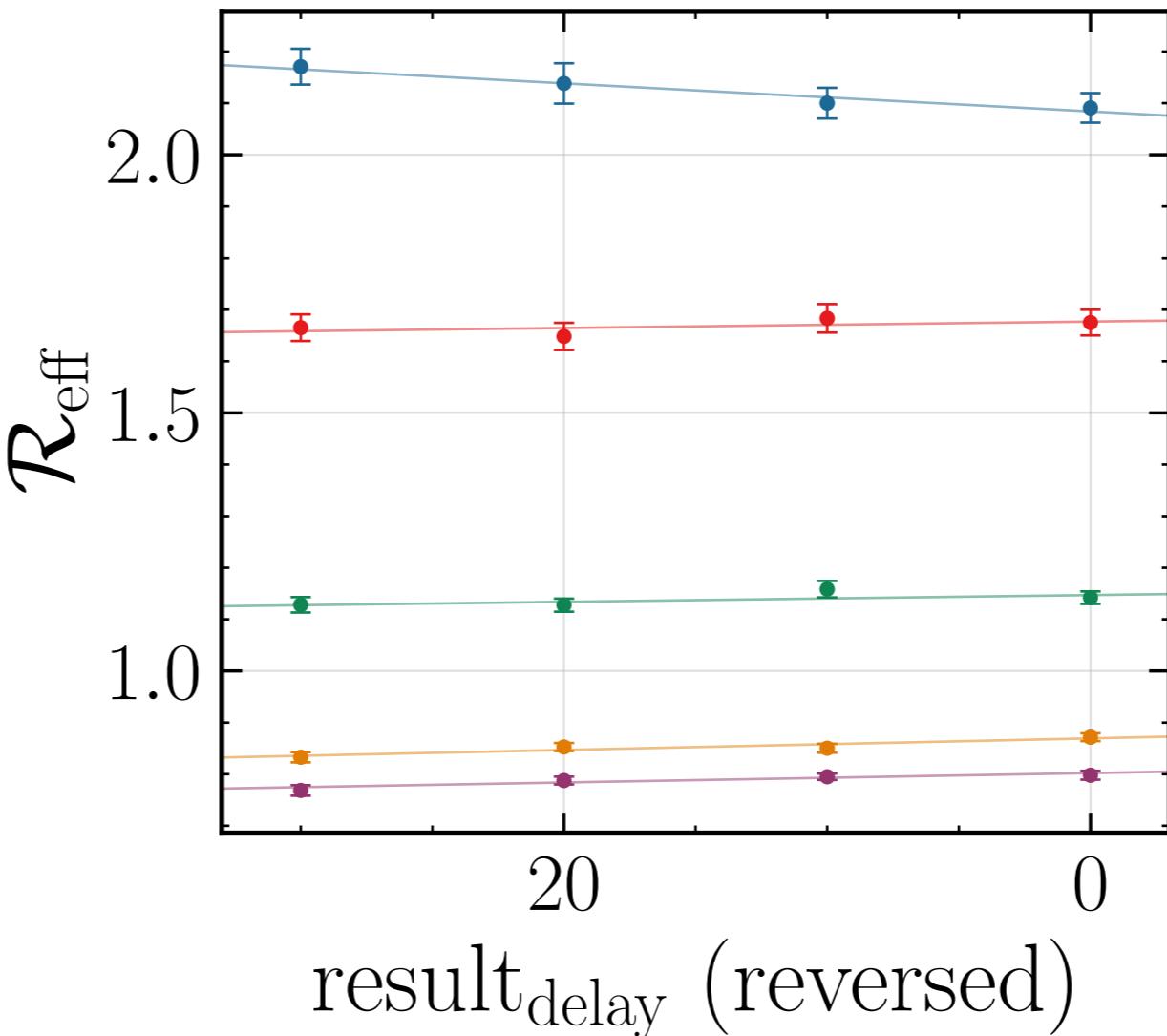
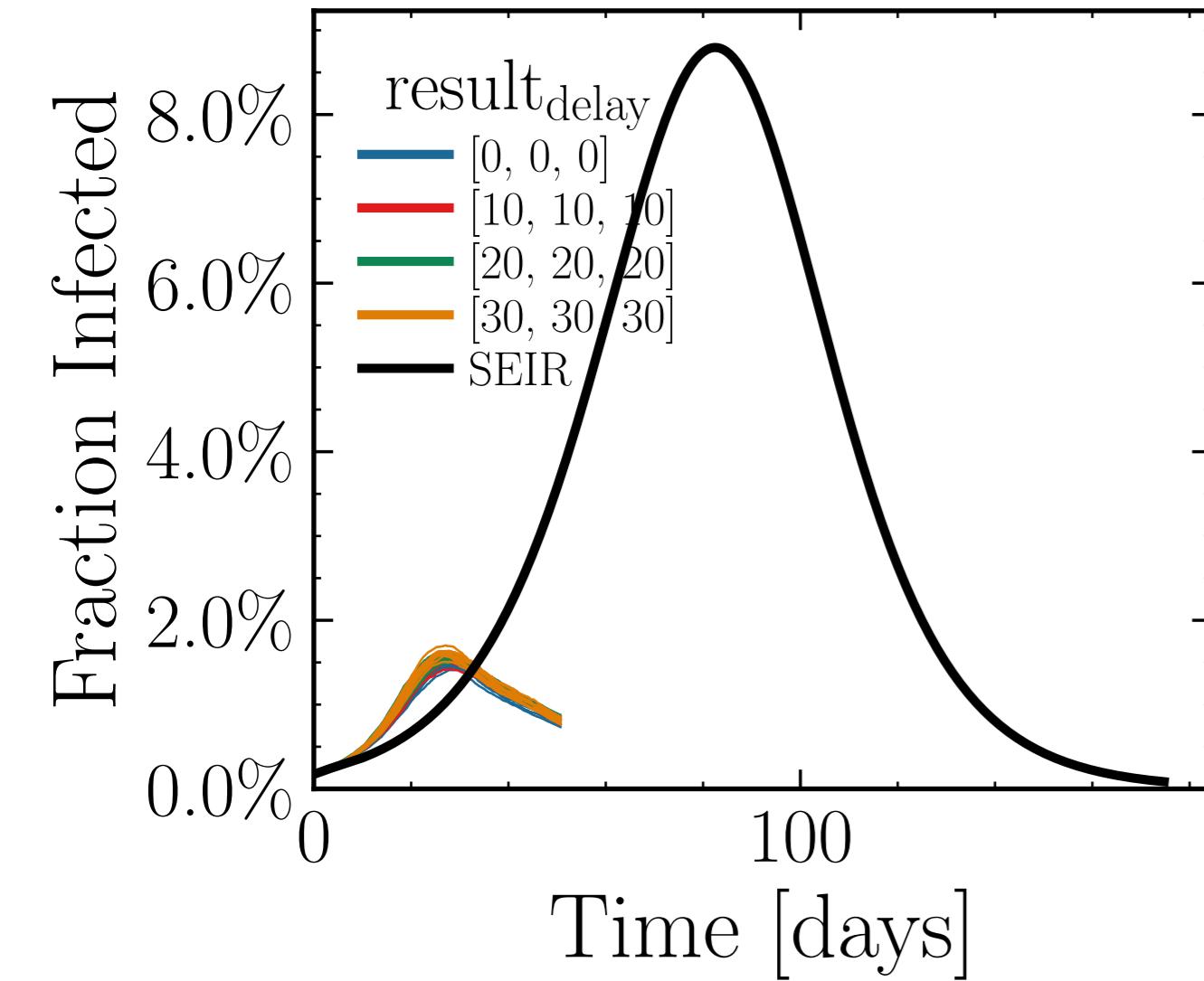
Day: 20,  $a=0.0014 \pm 0.0007$   
 Day: 25,  $a=0.0010 \pm 0.0007$   
 Day: 30,  $a=0.0017 \pm 0.0008$   
 Day: 35,  $a=0.0012 \pm 0.0009$   
 Day: 40,  $a=0.0012 \pm 0.0009$

$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 19.8837$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.0114$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 2K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 0.5$ , rand.inf. = True, w.rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$ ,  $f_{\text{work/other}} = 0.4408$ ,  $N_{\text{contacts}_{\max}} = 0$   
 $N_{\text{events}} = 3.96K$ , event<sub>size<sub>max</sub></sub> = 10, event<sub>size<sub>mean</sub></sub> = 3.8772, event <sub>$\beta$ scaling</sub> = 5.0, event<sub>weekendmultiplier</sub> = 2.0  
do<sub>int.</sub> = True, int. = [3, 4, 5, 6],  $f_{\text{dailytests}} = 0.01$ , test<sub>delay</sub> = [0, 0, 25]  
chance<sub>find.inf.</sub> = [0.0, 0.15, 0.15, 0.15, 0.0], days<sub>look.back</sub> = 7, tracking<sub>delay</sub> = 10

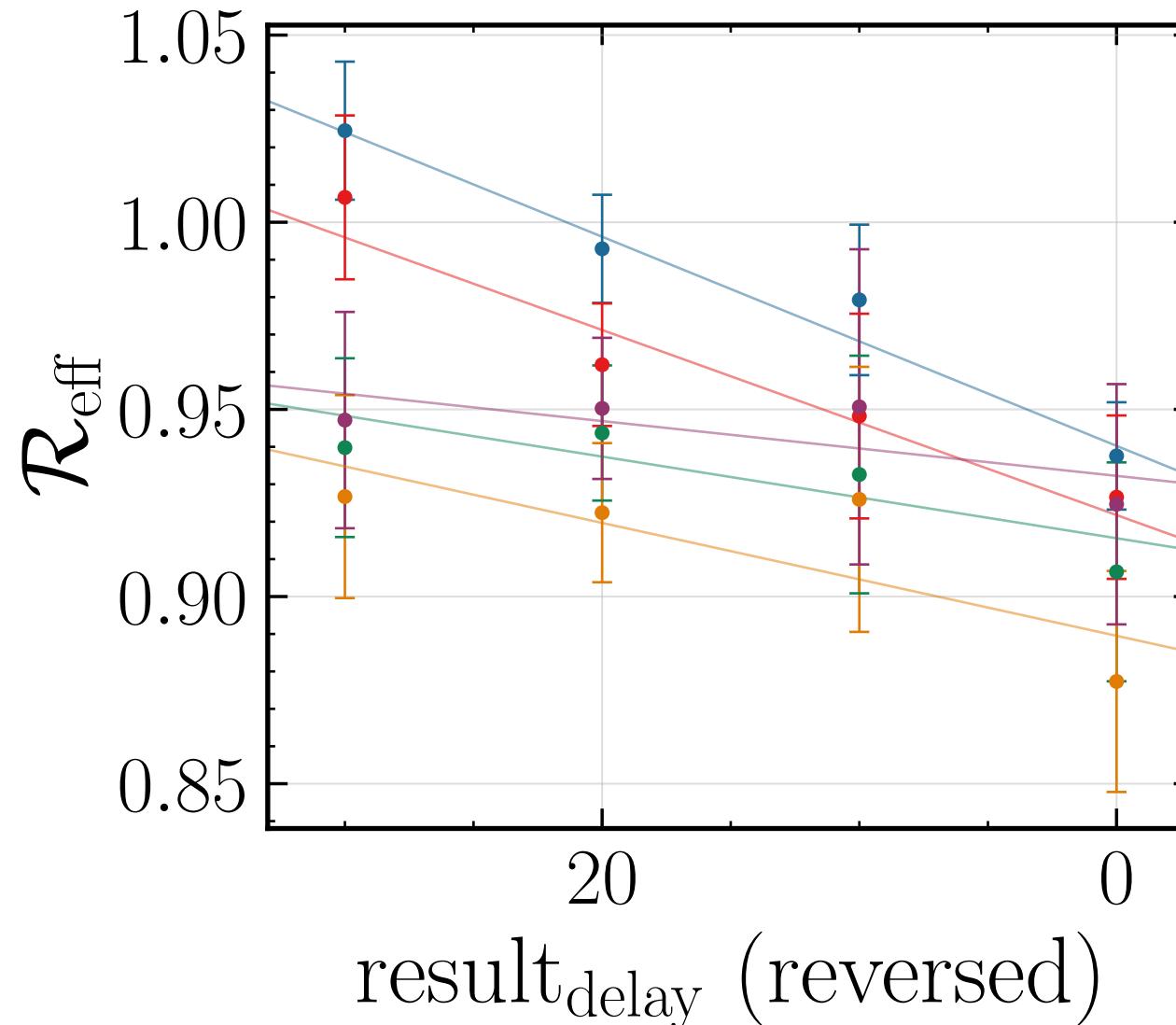
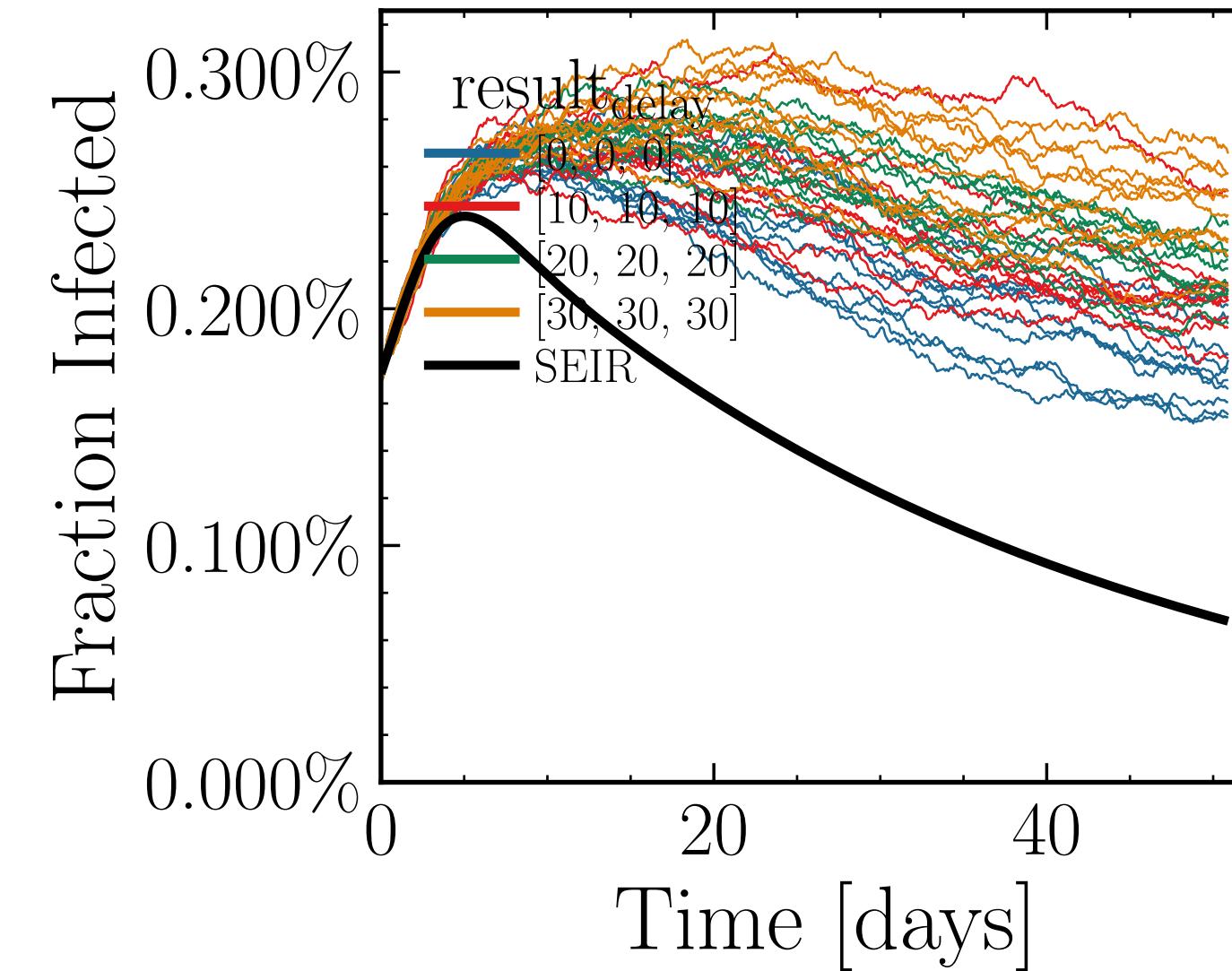


- Day: 20,  $a=0.003 \pm 0.001$
- Day: 25,  $a=-0.0008 \pm 0.0009$
- Day: 30,  $a=0.0002 \pm 0.0005$
- Day: 35,  $a=-0.0007 \pm 0.0004$
- Day: 40,  $a=-0.0009 \pm 0.0004$

$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 16.6253$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.0127$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 2K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 0.5$ , rand.inf. = True, w.rand.inf. = True,  $N_{\text{connect}}^{\text{retries}} = 0$ ,  $f_{\text{work/other}} = 0.4054$ ,  $N_{\text{contacts}_{\text{max}}} = 0$   
 $N_{\text{events}} = 2.33K$ , event<sub>size<sub>max</sub></sub> = 10, event<sub>size<sub>mean</sub></sub> = 4.8991, event <sub>$\beta$ <sub>scaling</sub></sub> = 5.0, event<sub>weekend<sub>multiplier</sub></sub> = 2.0  
do<sub>int.</sub> = True, int. = [3, 4, 5, 6],  $f_{\text{dailytests}} = 0.01$ , test<sub>delay</sub> = [0, 0, 25]  
chance<sub>find.inf.</sub> = [0.0, 0.15, 0.15, 0.15, 0.0], days<sub>look.back</sub> = 7, tracking<sub>delay</sub> = 10

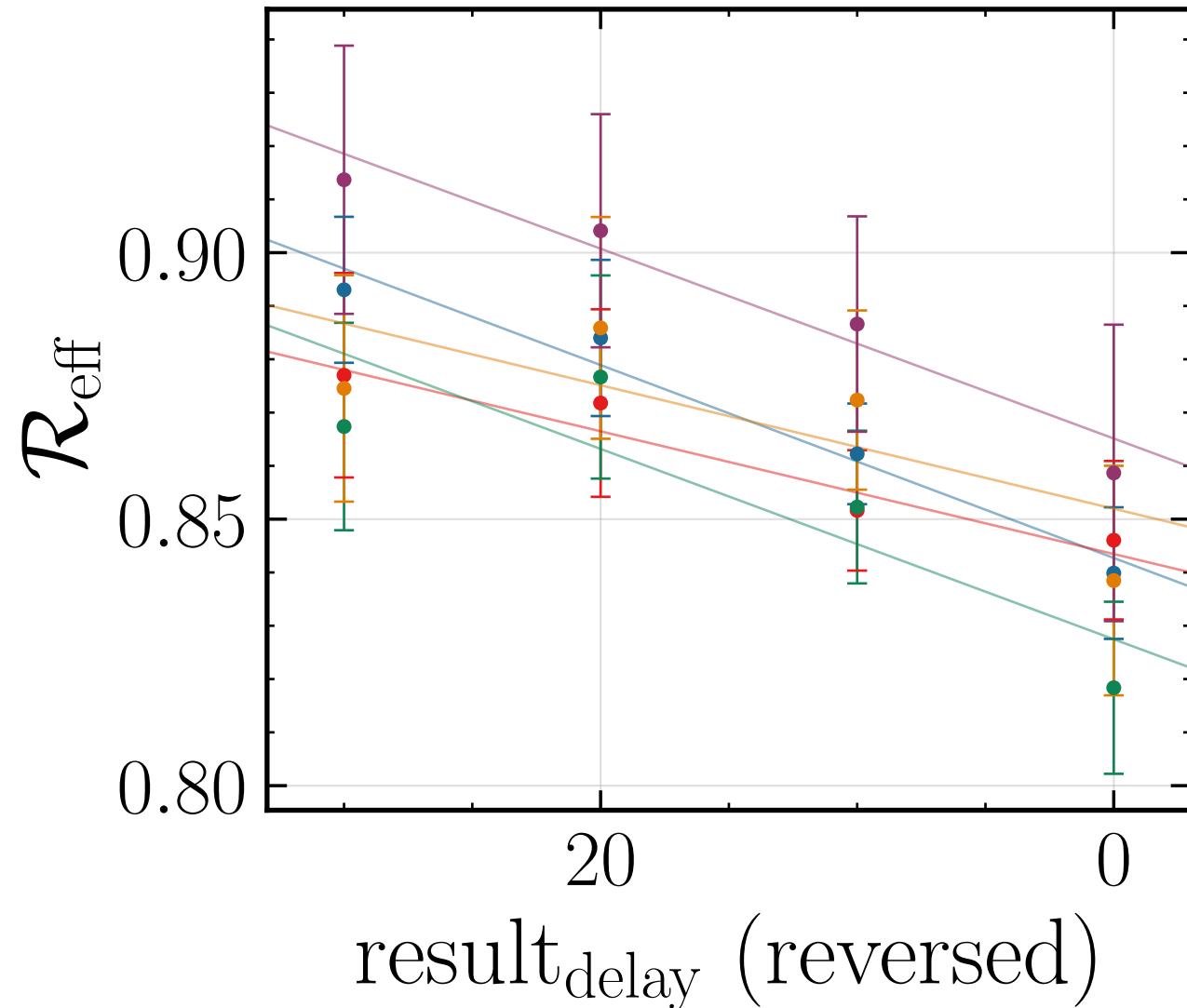
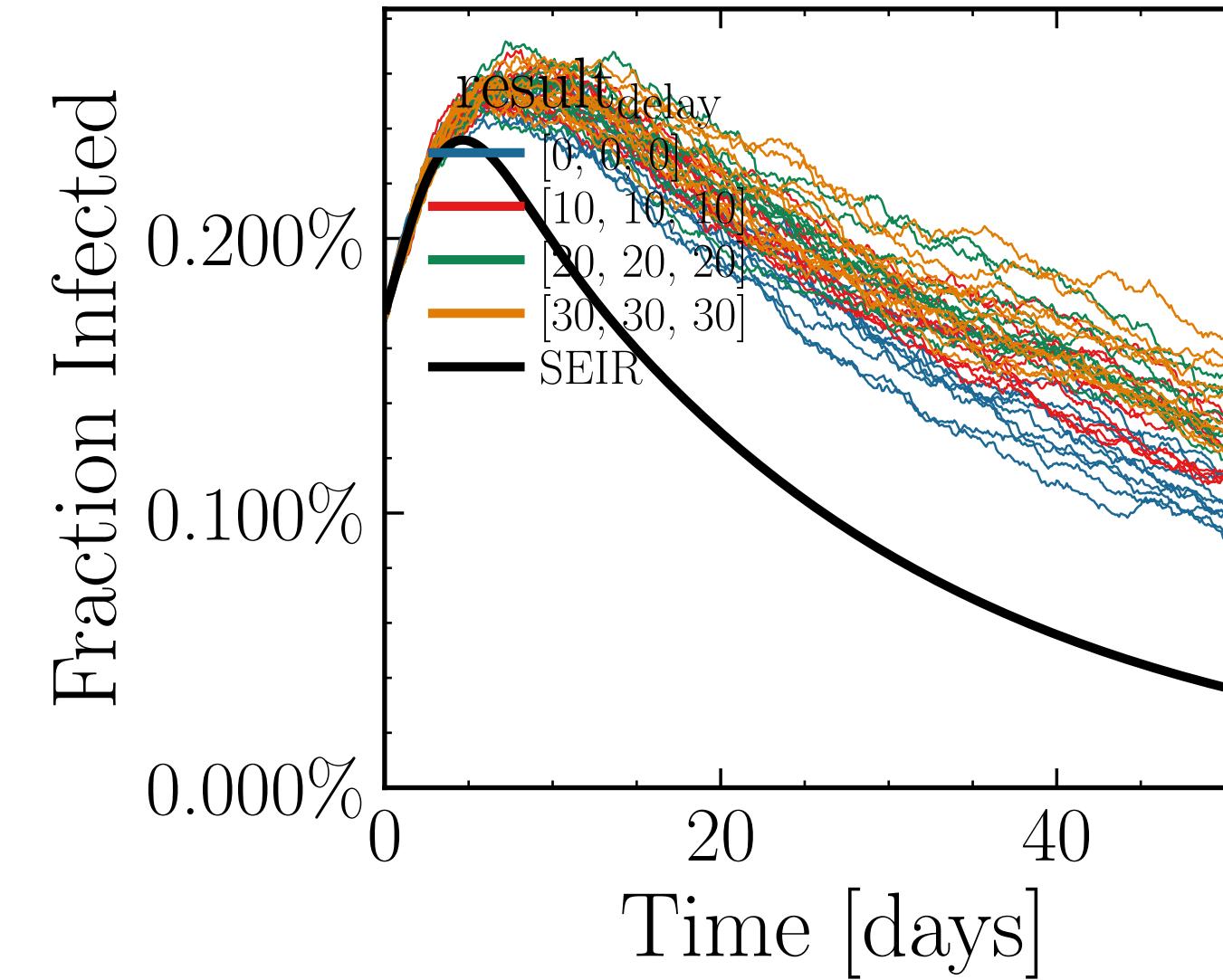


$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 11.1873$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.0087$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 2K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 0.5$ , rand.inf. = True, w.rand.inf. = True,  $N_{\text{connect}} = 0$ ,  $f_{\text{work/other}} = 0.5272$ ,  $N_{\text{contacts}_{\max}} = 0$   
 $N_{\text{events}} = 1.56K$ ,  $\text{event}_{\text{size}_{\max}} = 10$ ,  $\text{event}_{\text{size}_{\text{mean}}} = 3.5923$ ,  $\text{event}_{\beta_{\text{scaling}}} = 5.0$ ,  $\text{event}_{\text{weekend}_{\text{multiplier}}} = 2.0$   
do\_int. = True, int. = [3, 4, 5, 6],  $f_{\text{dailytests}} = 0.01$ , test\_delay = [0, 0, 25]  
chance\_find.inf. = [0.0, 0.15, 0.15, 0.15, 0.0], days\_look.back = 7, tracking\_delay = 10



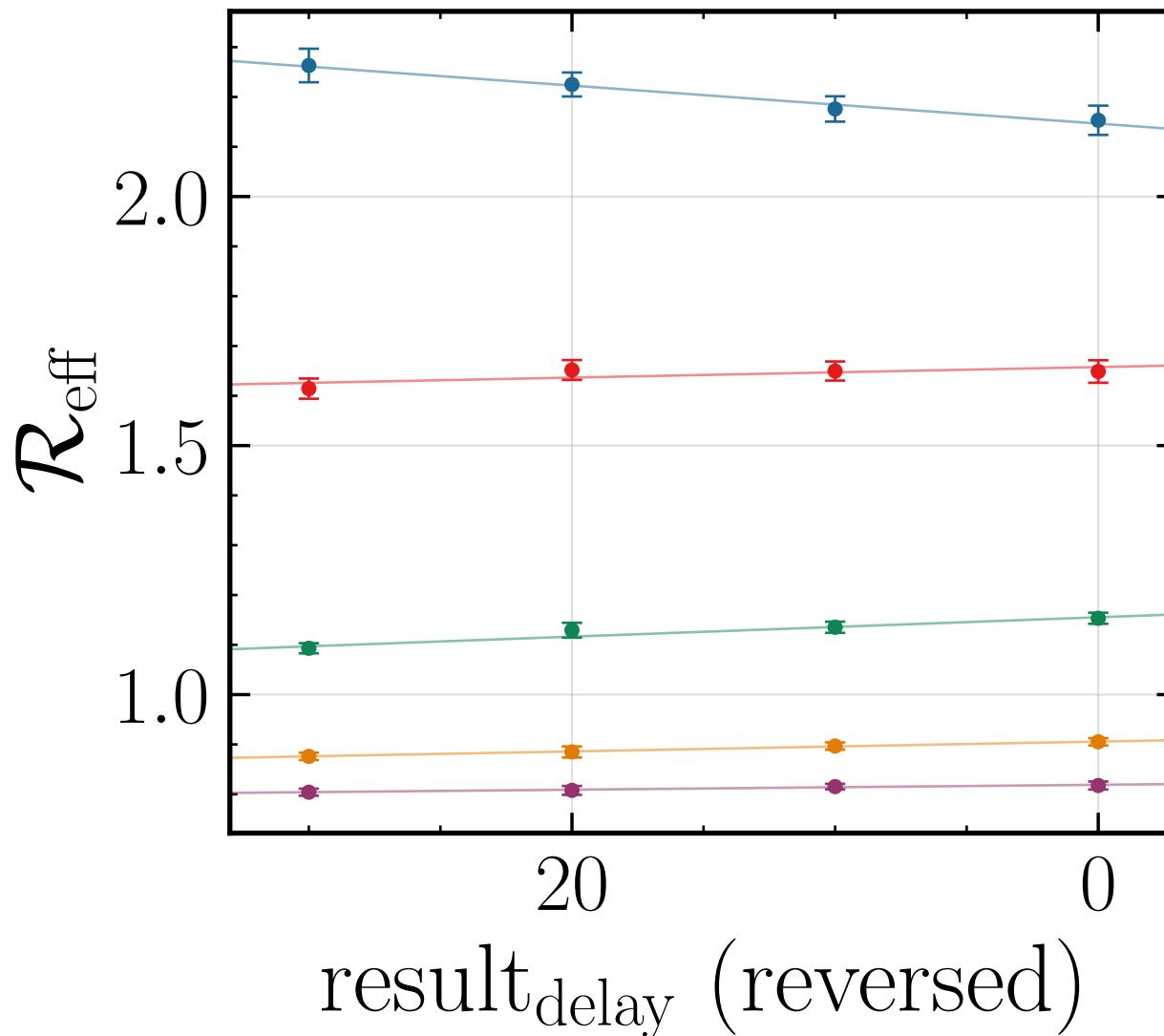
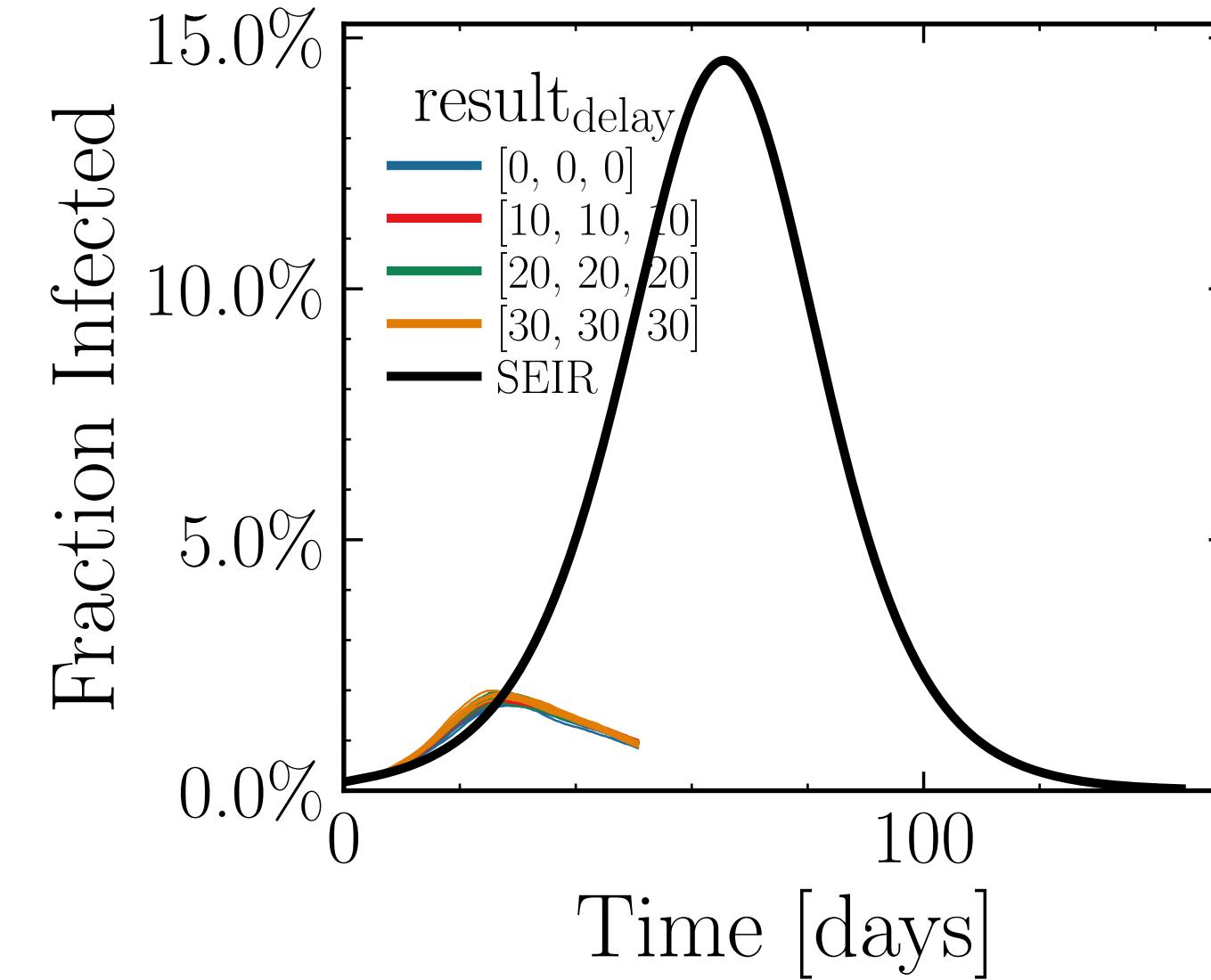
Day	$a$	error
20	$0.0028 \pm 0.0007$	
25	$0.002 \pm 0.001$	
30	$0.001 \pm 0.001$	
35	$0.002 \pm 0.001$	
40	$0.001 \pm 0.001$	

$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 10.1999$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.0083$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 2K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 0.5$ , rand.inf. = True, w.rand.inf. = True,  $N_{\text{connect}} = 0$ ,  $f_{\text{work/other}} = 0.5767$ ,  $N_{\text{contacts}_{\max}} = 0$   
 $N_{\text{events}} = 1.97K$ ,  $\text{event}_{\text{size}_{\max}} = 10$ ,  $\text{event}_{\text{size}_{\text{mean}}} = 3.9023$ ,  $\text{event}_{\beta_{\text{scaling}}} = 5.0$ ,  $\text{event}_{\text{weekend}_{\text{multiplier}}} = 2.0$   
do\_int. = True, int. = [3, 4, 5, 6],  $f_{\text{dailytests}} = 0.01$ , test\_delay = [0, 0, 25]  
chance\_fnd.inf. = [0.0, 0.15, 0.15, 0.15, 0.0], days\_look.back = 7, tracking\_delay = 10

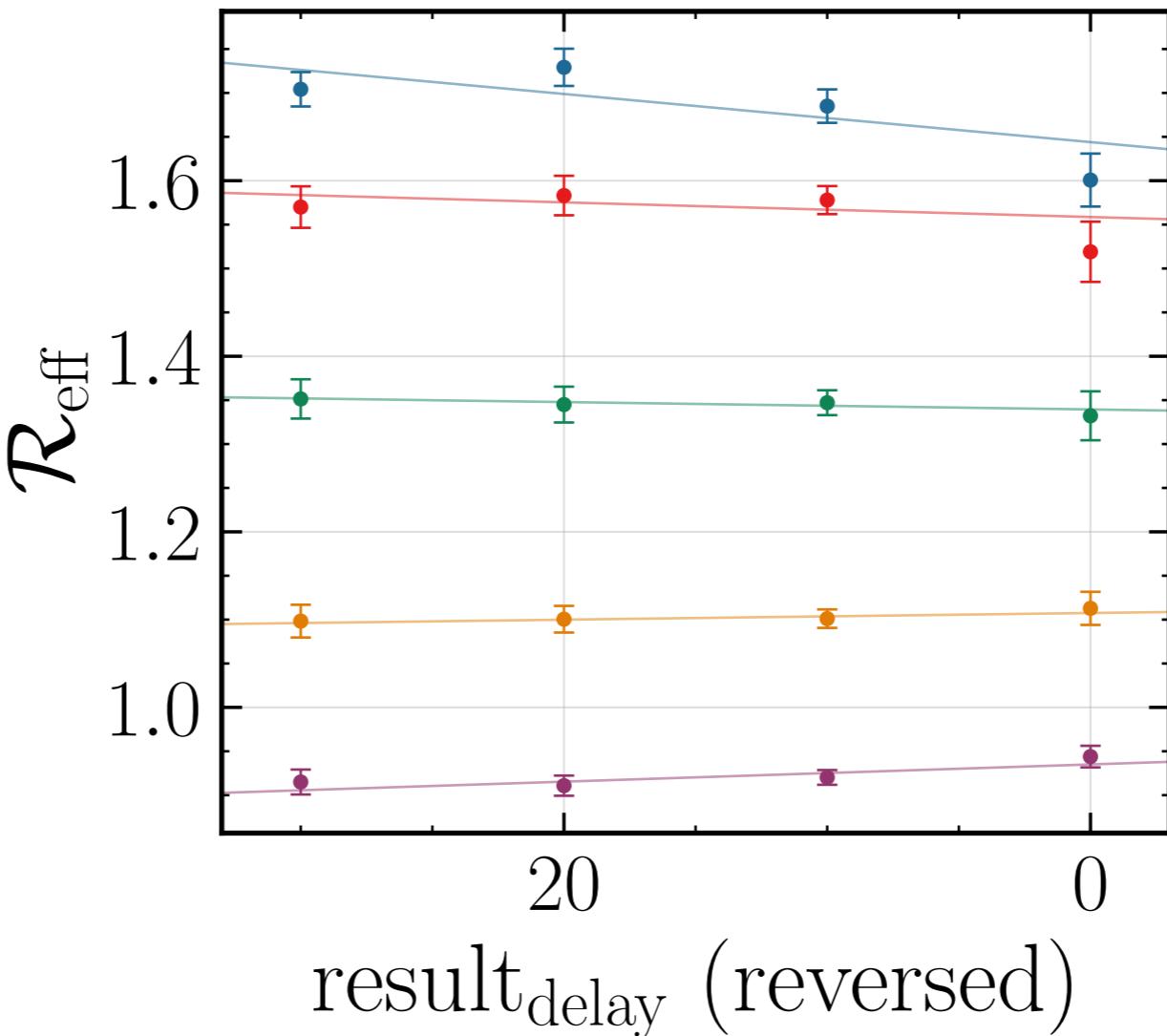
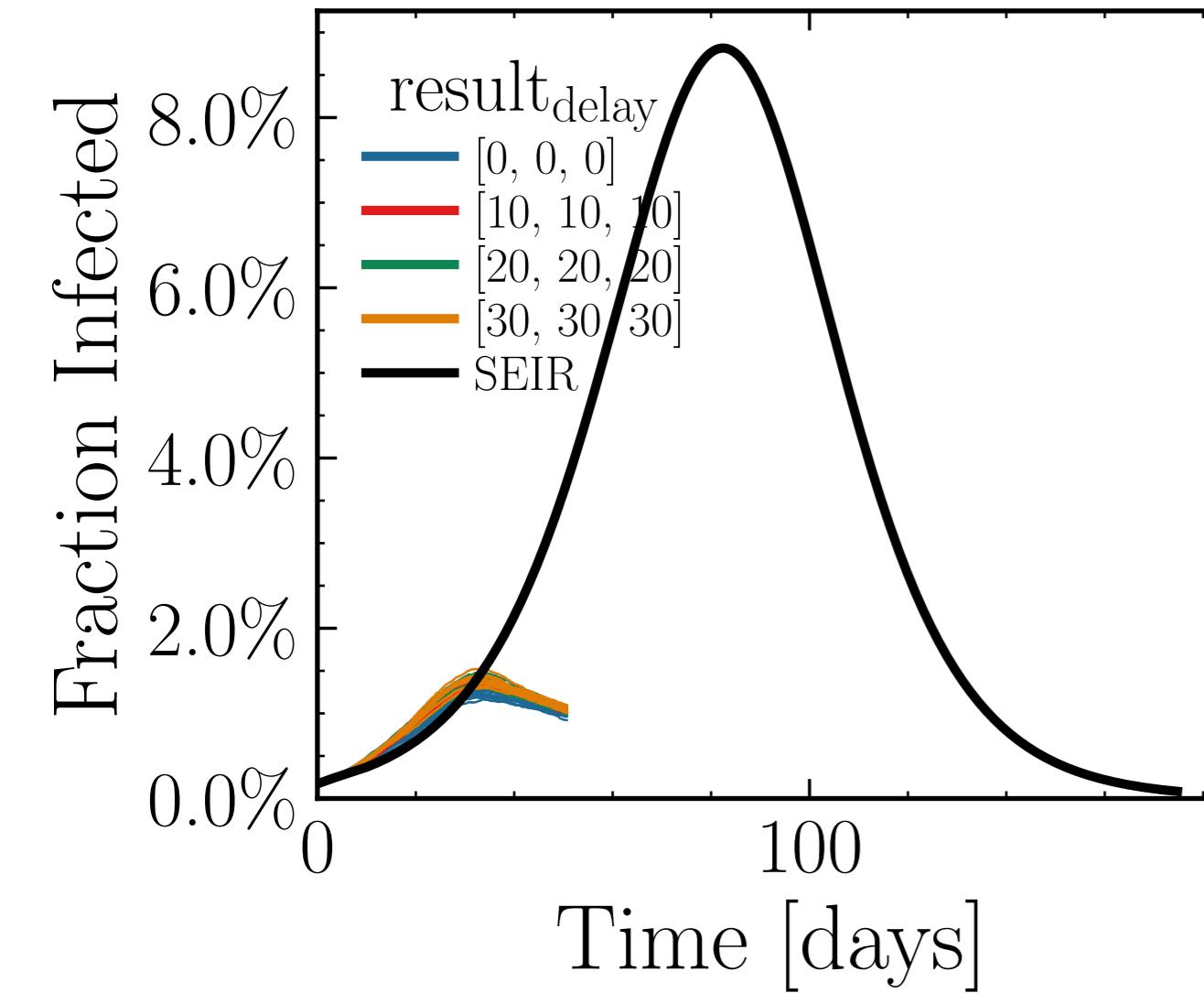


Day: 20,  $a=0.0018 \pm 0.0006$   
 Day: 25,  $a=0.0012 \pm 0.0008$   
 Day: 30,  $a=0.0018 \pm 0.0008$   
 Day: 35,  $a=0.0012 \pm 0.0009$   
 Day: 40,  $a=0.002 \pm 0.001$

$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 19.7646$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.013$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 2K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 0.5$ , rand.inf. = True, w.rand.inf. = True,  $N_{\text{connect}}^{\text{retries}} = 0$ ,  $f_{\text{work/other}} = 0.5875$ ,  $N_{\text{contacts}_{\max}} = 0$   
 $N_{\text{events}} = 2.9K$ , event<sub>size<sub>max</sub></sub> = 10, event<sub>size<sub>mean</sub></sub> = 3.1922, event <sub>$\beta$ scaling</sub> = 5.0, event<sub>weekendmultiplier</sub> = 2.0  
do<sub>int.</sub> = True, int. = [3, 4, 5, 6],  $f_{\text{dailytests}} = 0.01$ , test<sub>delay</sub> = [0, 0, 25]  
chance<sub>find.inf.</sub> = [0.0, 0.15, 0.15, 0.15, 0.0], days<sub>look.back</sub> = 7, tracking<sub>delay</sub> = 10

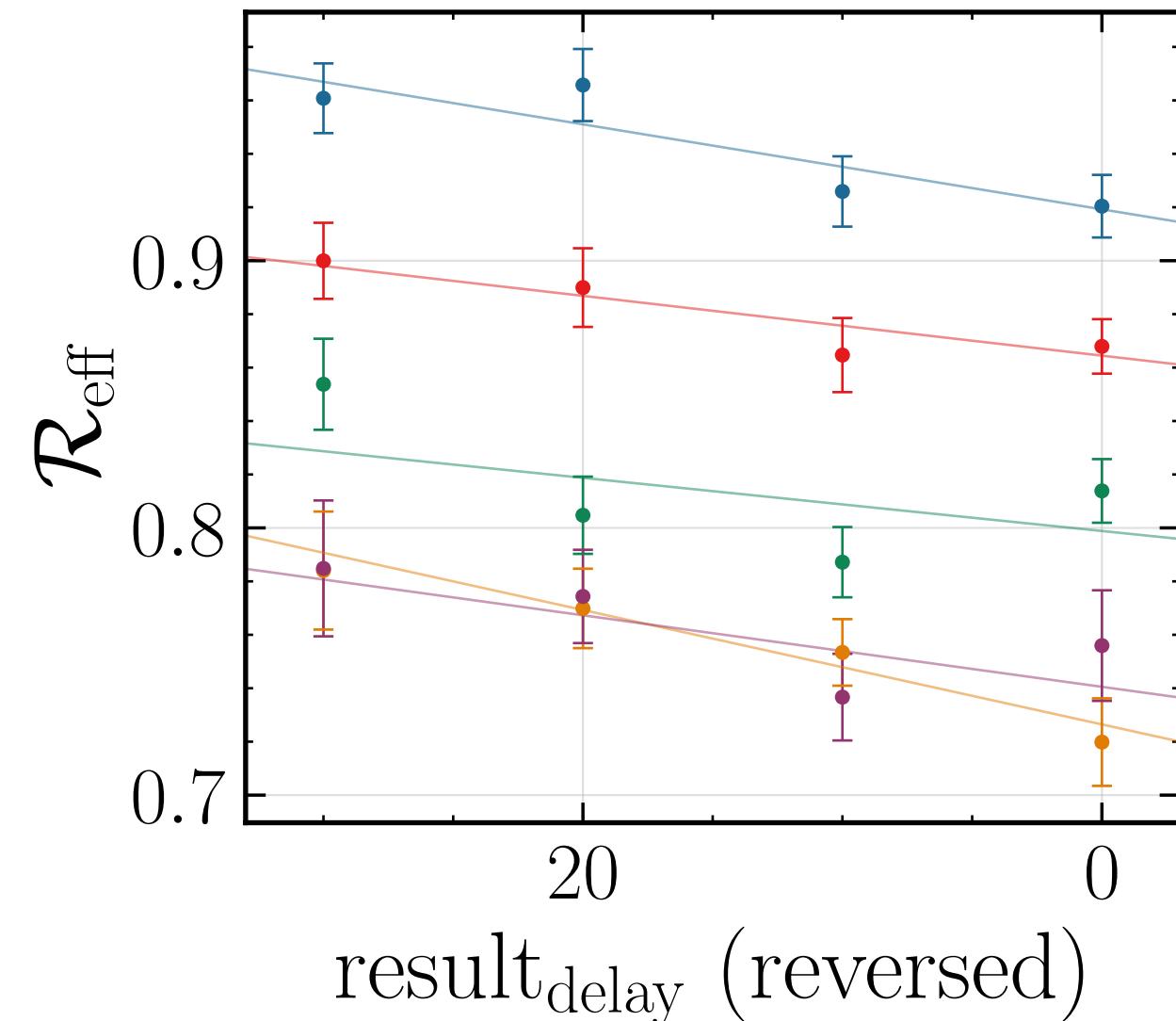
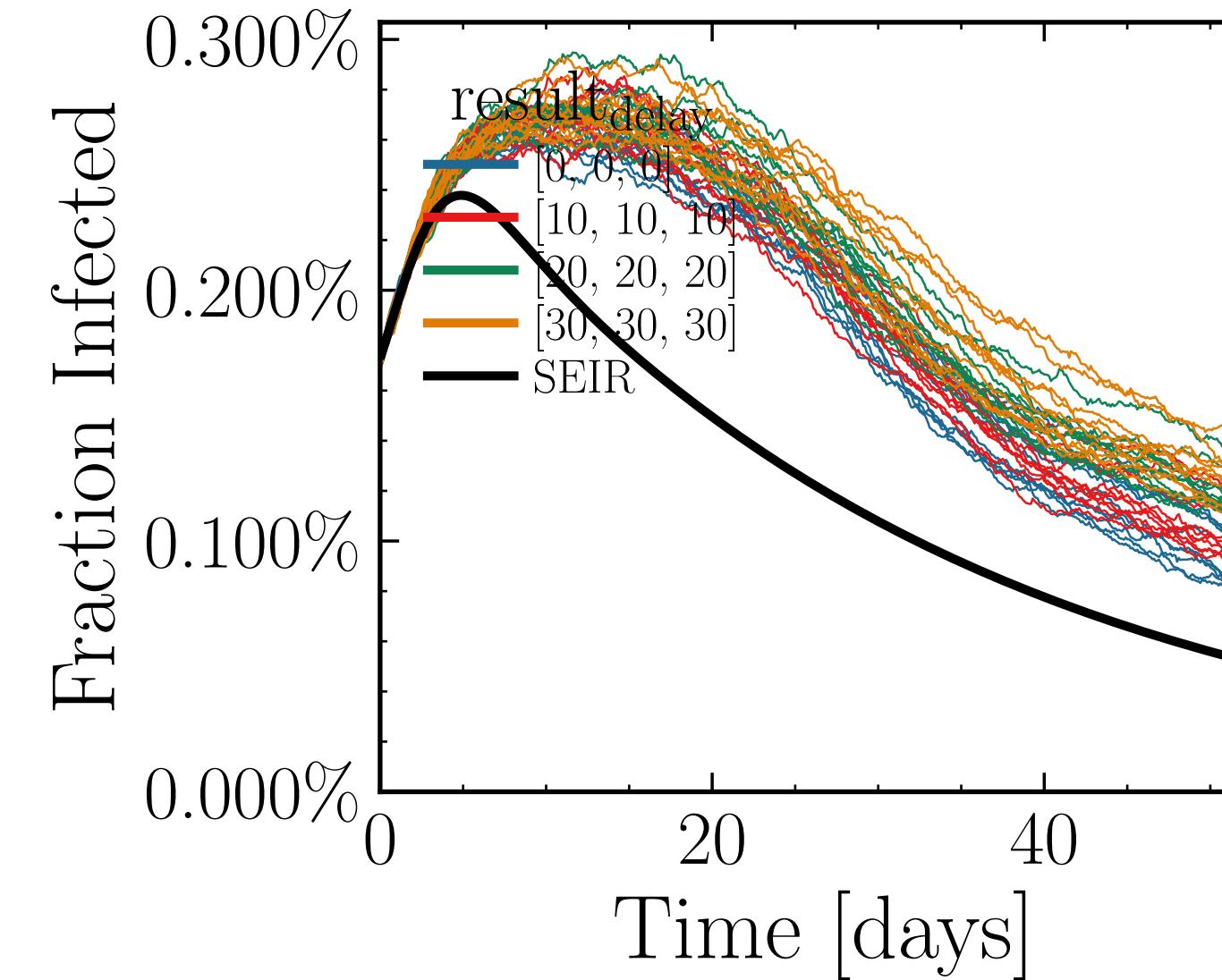


$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 15.6519$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.0135$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 2K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 0.5$ , rand.inf. = True, w.rand.inf. = True,  $N_{\text{connect}}^{\text{retries}} = 0$ ,  $f_{\text{work/other}} = 0.746$ ,  $N_{\text{contacts}_{\max}} = 0$   
 $N_{\text{events}} = 1.93K$ , event<sub>size<sub>max</sub></sub> = 10, event<sub>size<sub>mean</sub></sub> = 3.4336, event <sub>$\beta$ scaling</sub> = 5.0, event<sub>weekendmultiplier</sub> = 2.0  
do<sub>int.</sub> = True, int. = [3, 4, 5, 6],  $f_{\text{dailytests}} = 0.01$ , test<sub>delay</sub> = [0, 0, 25]  
chance<sub>find.inf.</sub> = [0.0, 0.15, 0.15, 0.15, 0.0], days<sub>look.back</sub> = 7, tracking<sub>delay</sub> = 10



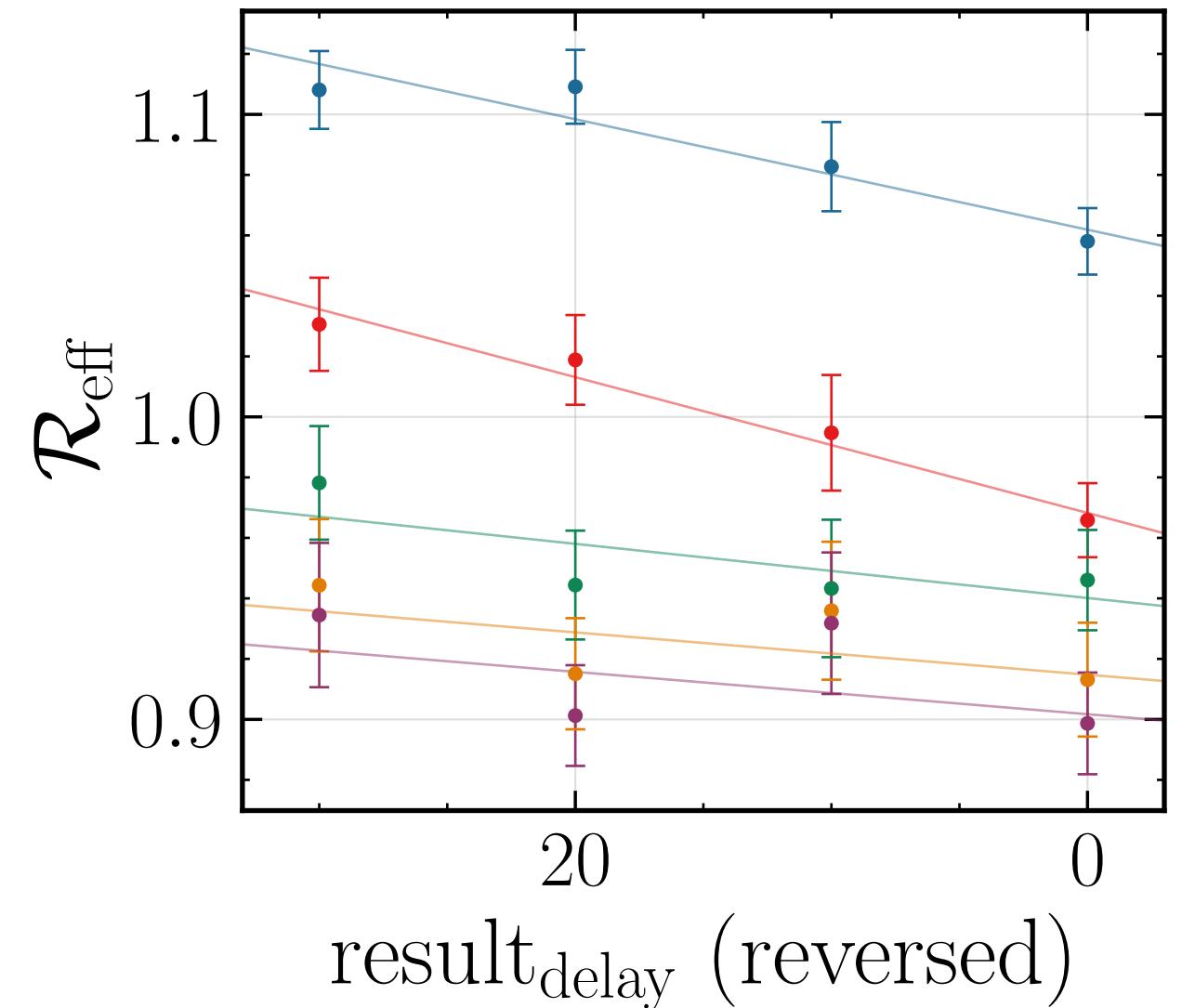
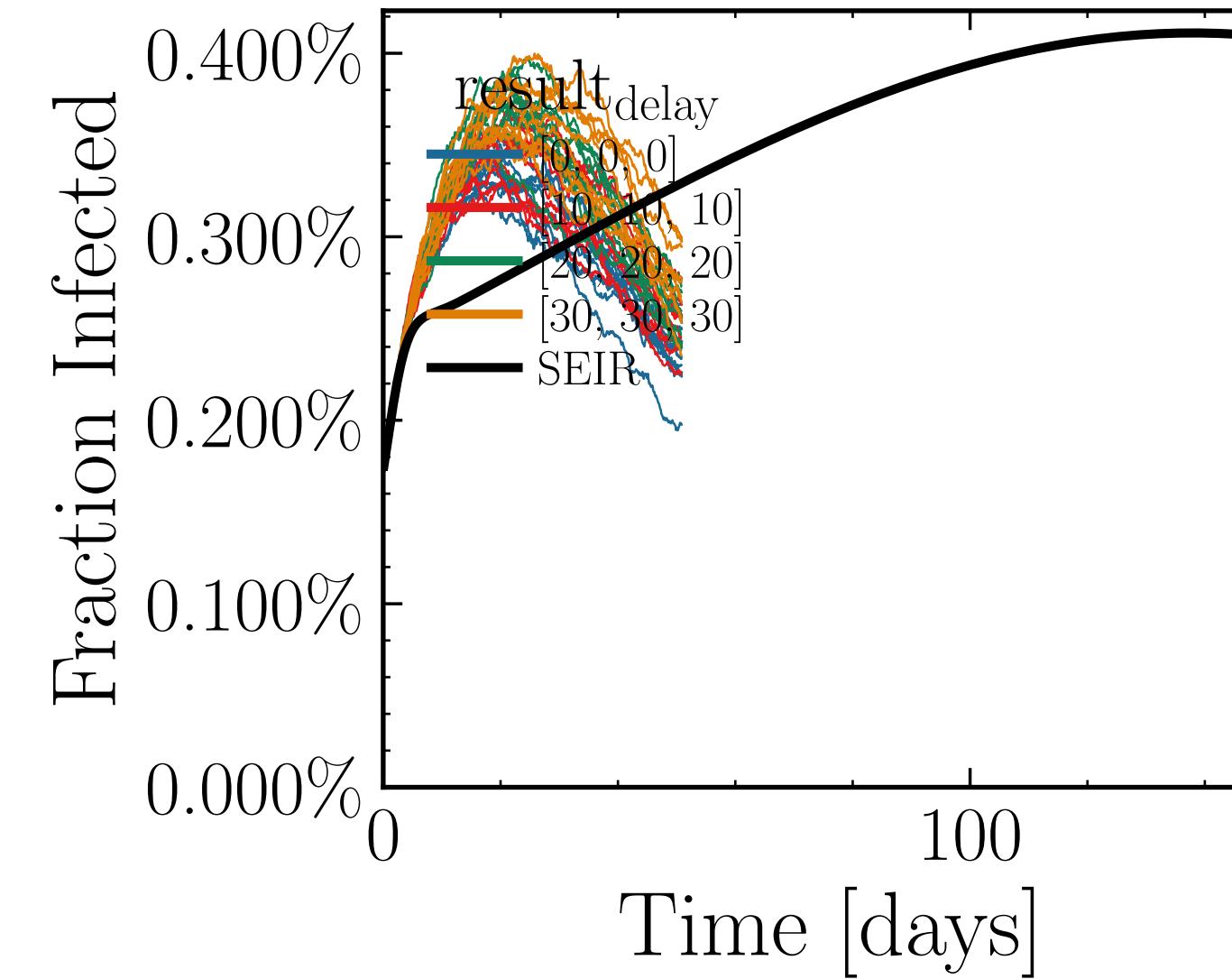
Day: 20,  $a = 0.003 \pm 0.001$   
 Day: 25,  $a = 0.001 \pm 0.001$   
 Day: 30,  $a = 0.000 \pm 0.001$   
 Day: 35,  $a = -0.0004 \pm 0.0008$   
 Day: 40,  $a = -0.0010 \pm 0.0006$

$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 10.2011$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.0091$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 2K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 0.5$ , rand.inf. = True, w.rand.inf. = True,  $N_{\text{connect}} = 0$ ,  $f_{\text{work/other}} = 0.7316$ ,  $N_{\text{contacts}_{\max}} = 0$   
 $N_{\text{events}} = 3.85K$ , event<sub>size<sub>max</sub></sub> = 10, event<sub>size<sub>mean</sub></sub> = 4.173, event <sub>$\beta$ scaling</sub> = 5.0, event<sub>weekendmultiplier</sub> = 2.0  
do<sub>int.</sub> = True, int. = [3, 4, 5, 6], f<sub>dailytests</sub> = 0.01, test<sub>delay</sub> = [0, 0, 25]  
chance<sub>find.inf.</sub> = [0.0, 0.15, 0.15, 0.15, 0.0], days<sub>look.back</sub> = 7, tracking<sub>delay</sub> = 10



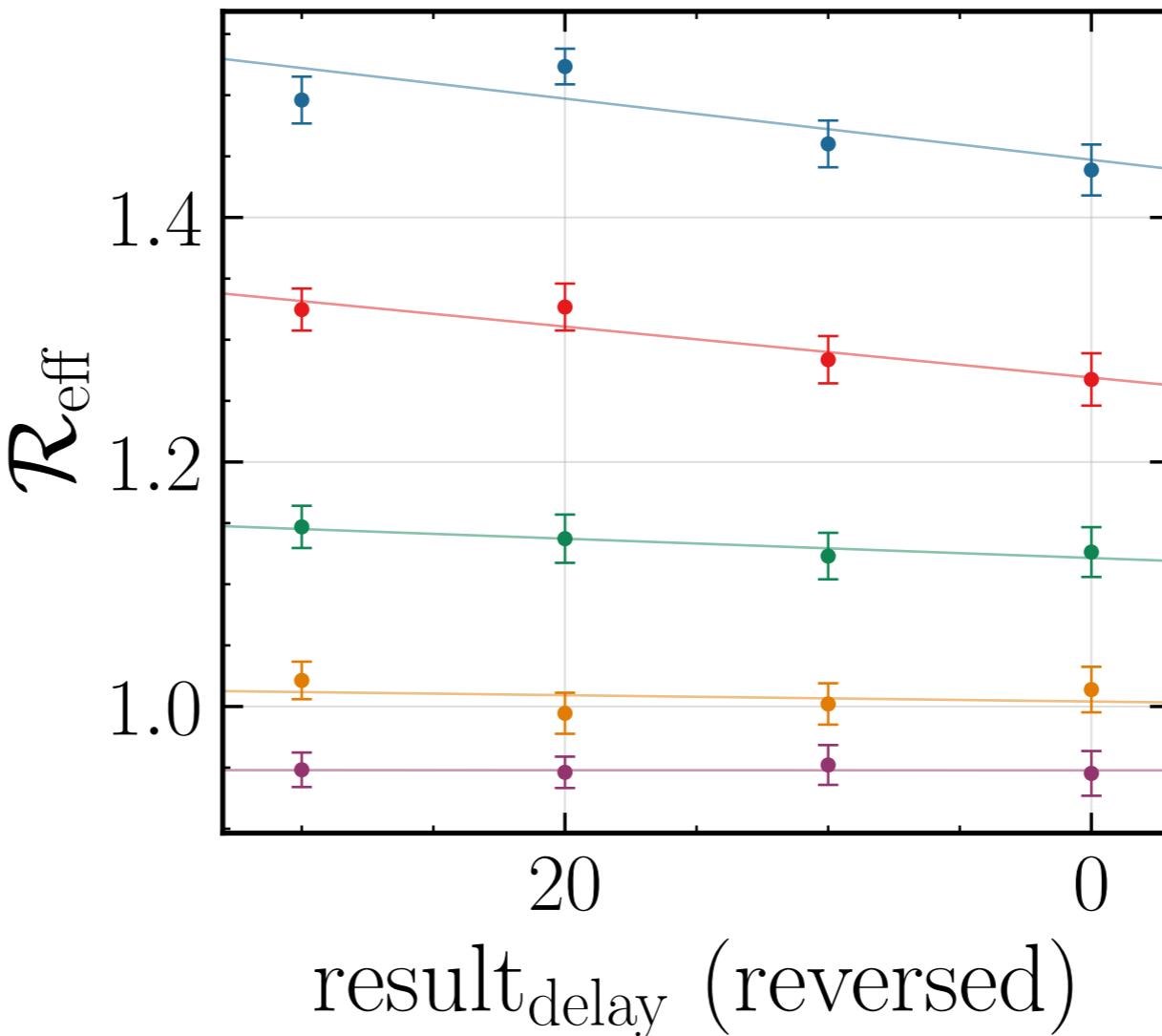
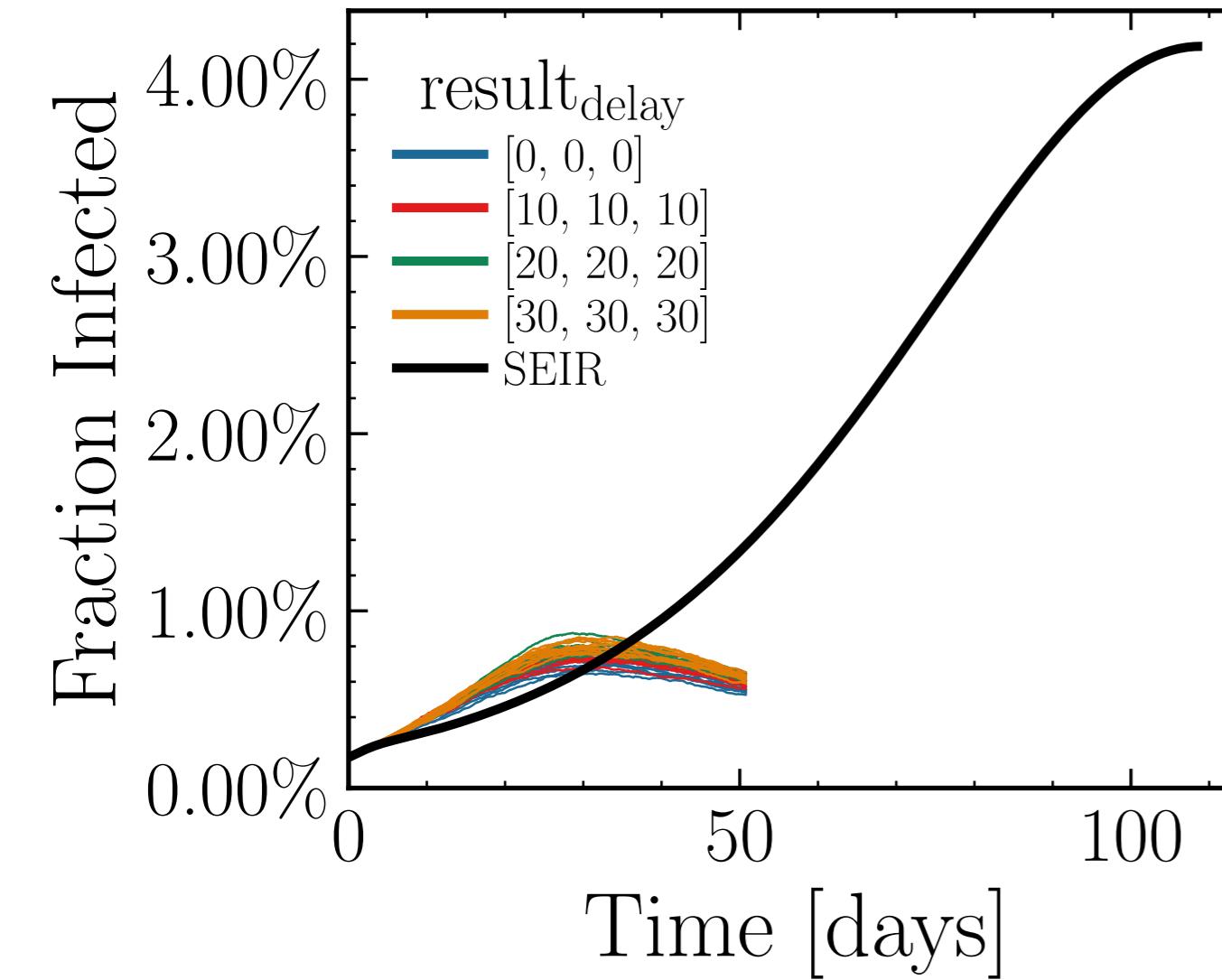
Day: 20,  $a=0.0016 \pm 0.0006$   
 Day: 25,  $a=0.0011 \pm 0.0006$   
 Day: 30,  $a=0.0010 \pm 0.0006$   
 Day: 35,  $a=0.0021 \pm 0.0008$   
 Day: 40,  $a=0.001 \pm 0.001$

$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 16.4717$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.0081$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 2K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 0.5$ , rand.inf. = True, w.rand.inf. = True,  $N_{\text{connect}} = 0$ ,  $f_{\text{work/other}} = 0.7366$ ,  $N_{\text{contacts}_{\max}} = 0$   
 $N_{\text{events}} = 4.12K$ ,  $\text{event}_{\text{size}_{\max}} = 10$ ,  $\text{event}_{\text{size}_{\text{mean}}} = 4.6847$ ,  $\text{event}_{\beta_{\text{scaling}}} = 5.0$ ,  $\text{event}_{\text{weekend}_{\text{multiplier}}} = 2.0$   
do\_int. = True, int. = [3, 4, 5, 6],  $f_{\text{dailytests}} = 0.01$ , test\_delay = [0, 0, 25]  
chance\_find.inf. = [0.0, 0.15, 0.15, 0.15, 0.0], days\_look.back = 7, tracking\_delay = 10

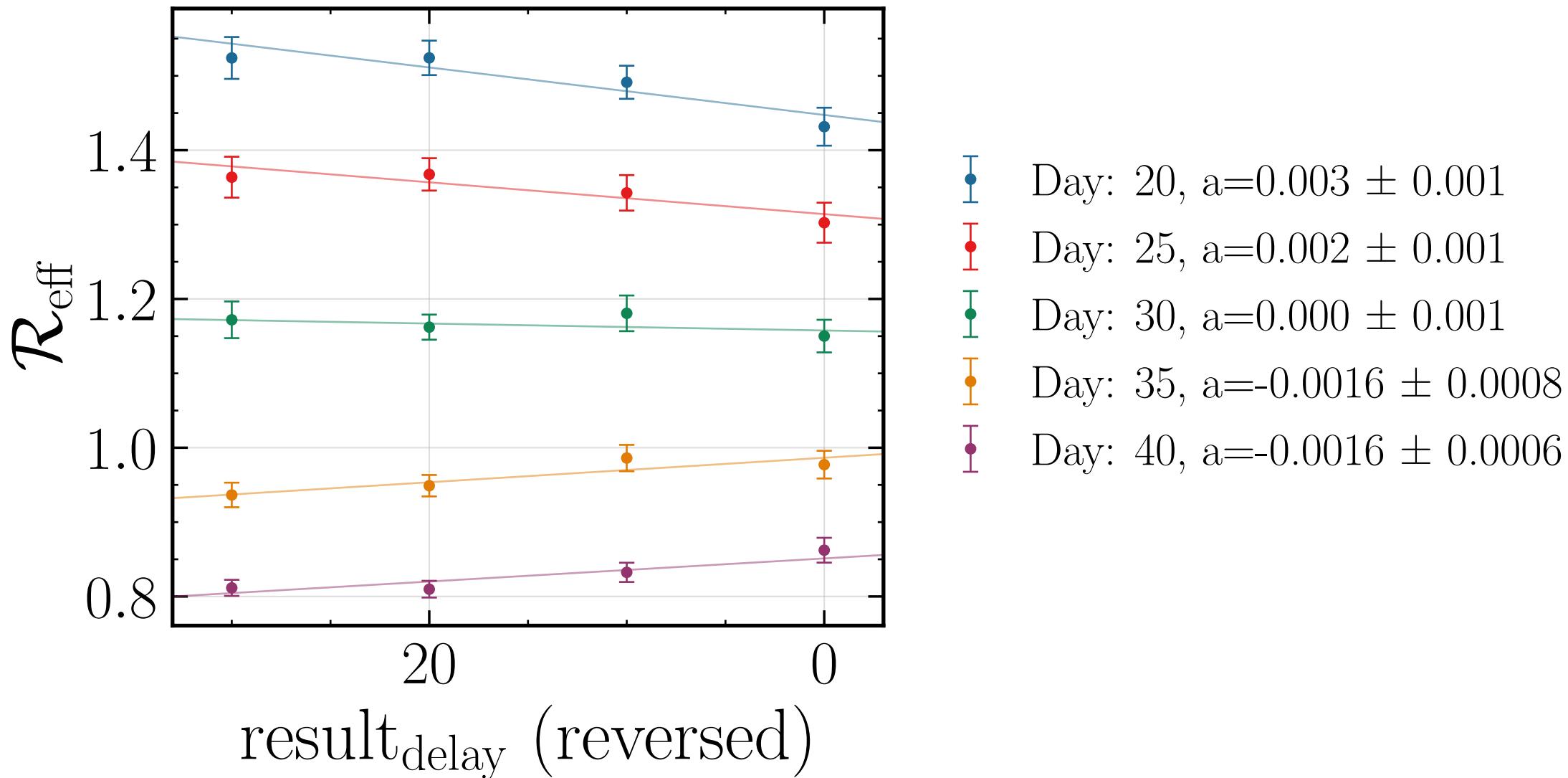
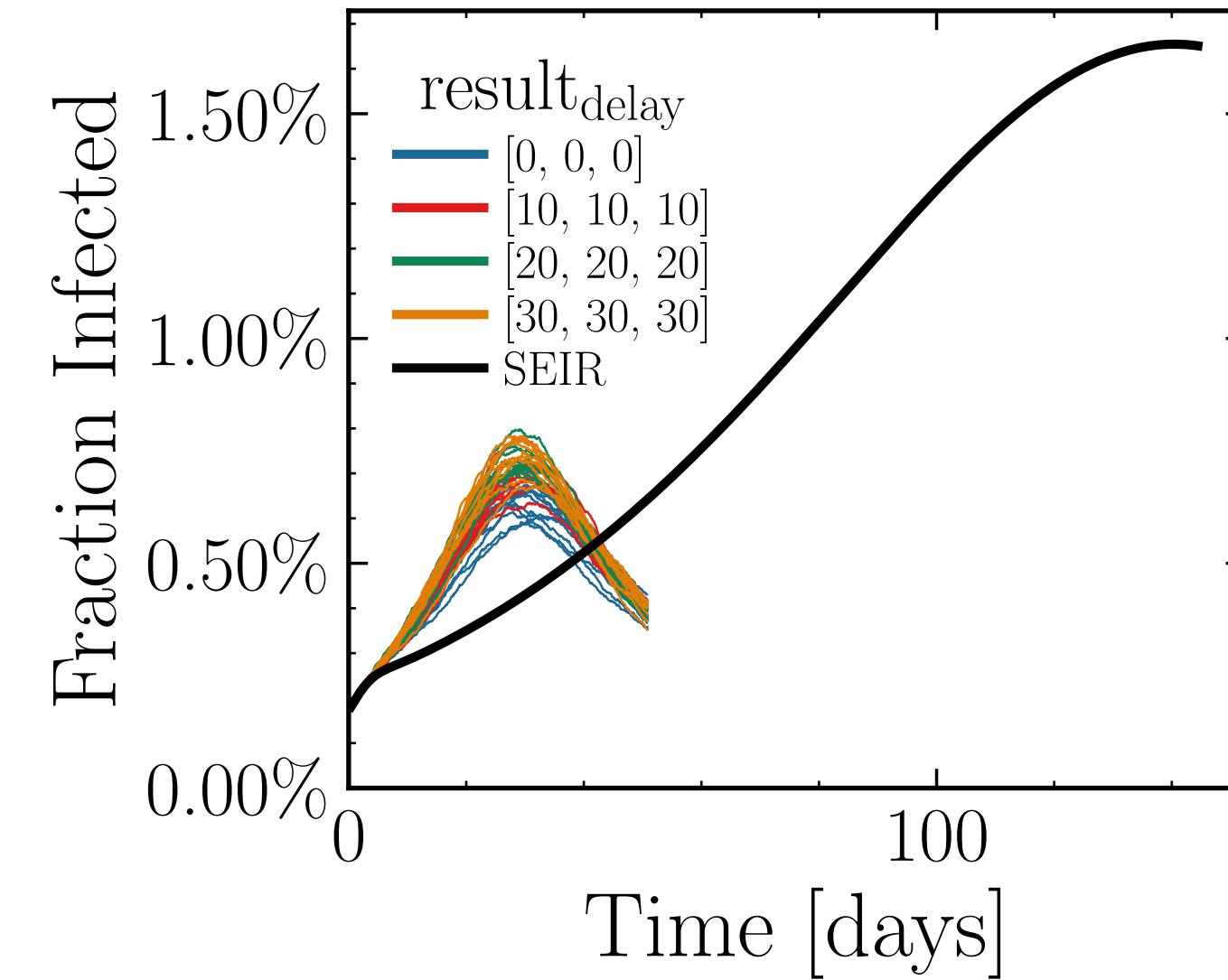


Day: 20,  $a=0.0018 \pm 0.0005$   
 Day: 25,  $a=0.0022 \pm 0.0006$   
 Day: 30,  $a=0.0009 \pm 0.0008$   
 Day: 35,  $a=0.0007 \pm 0.0009$   
 Day: 40,  $a=0.0007 \pm 0.0009$

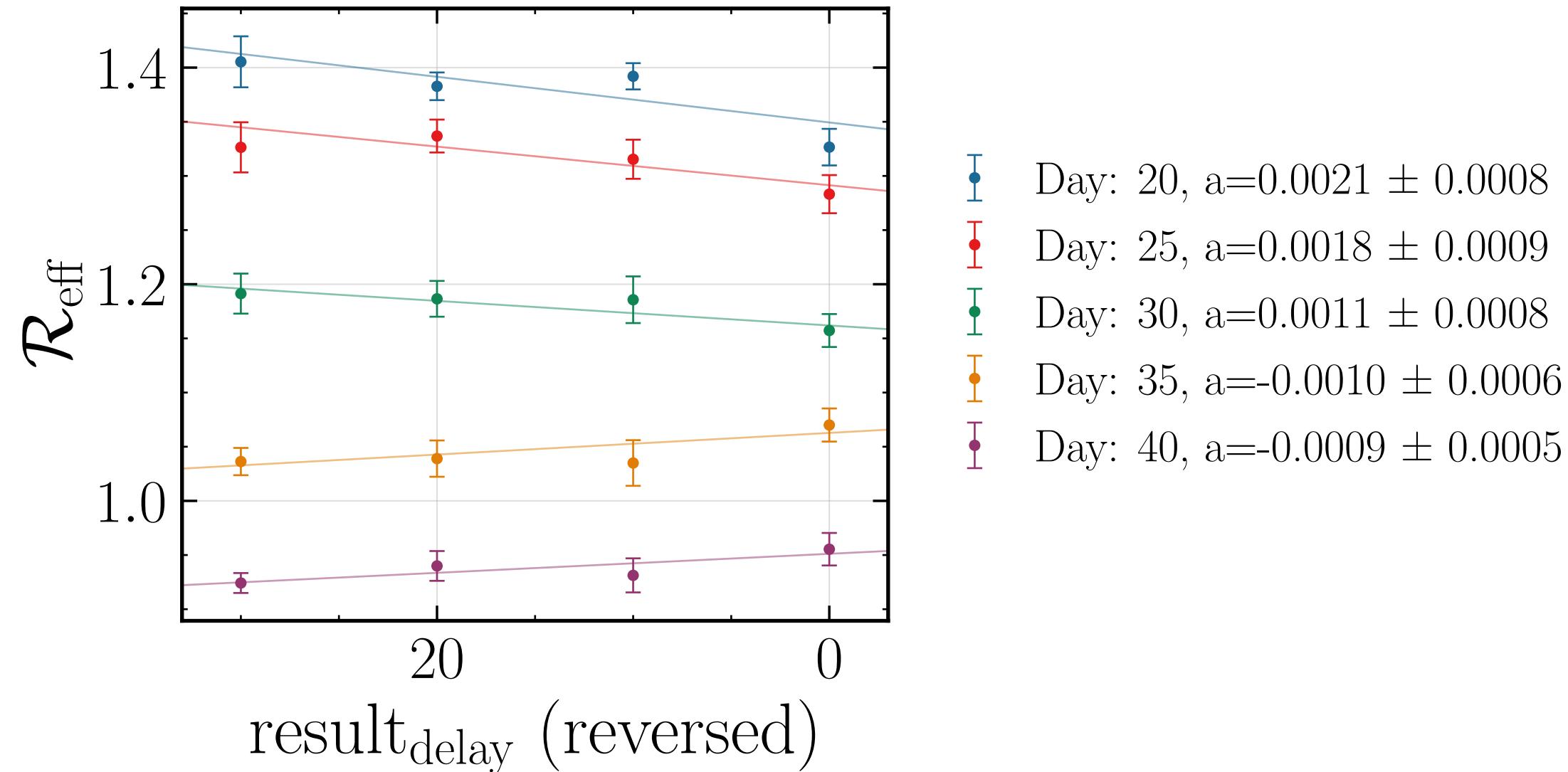
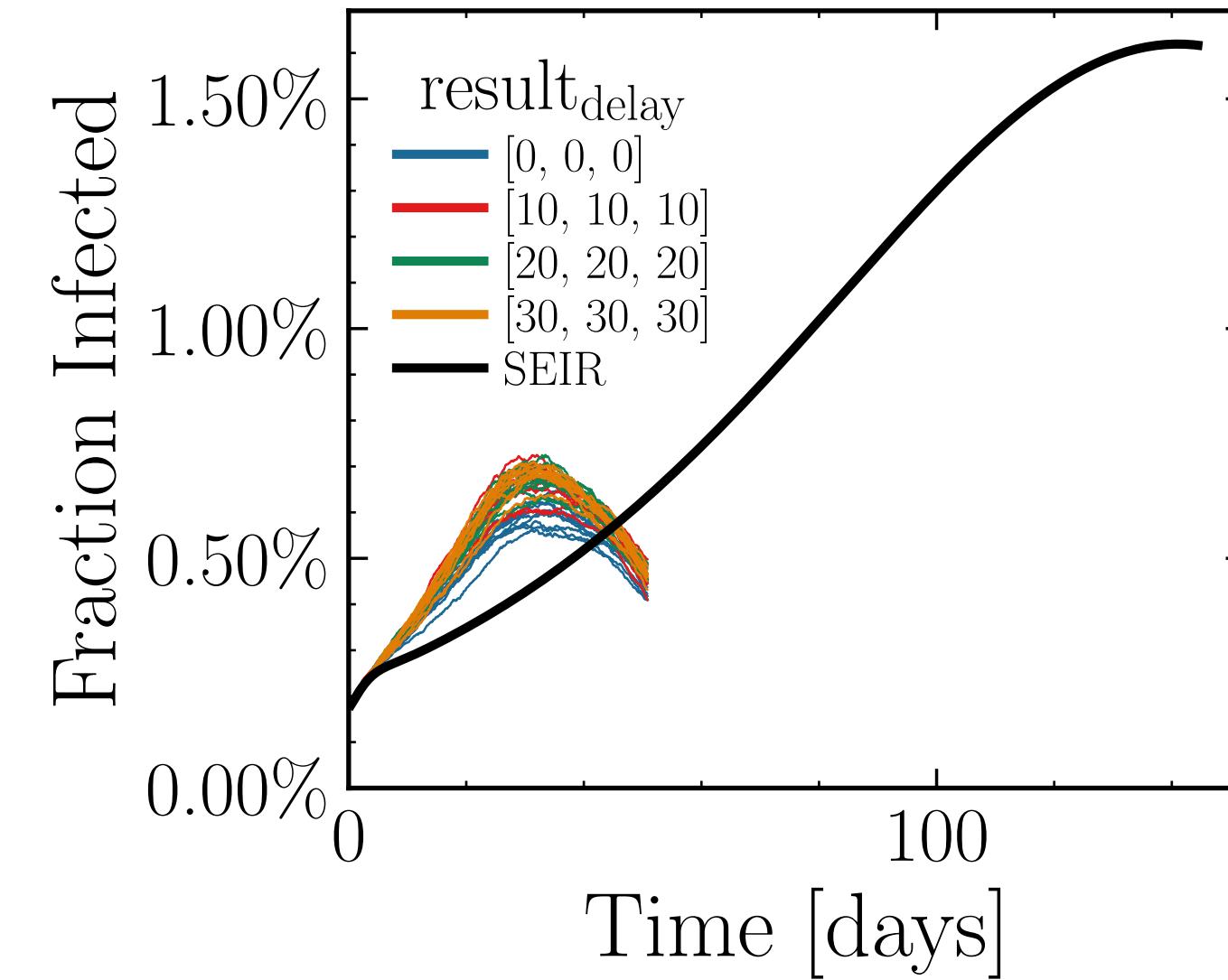
$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 15.7595$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.0111$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 2K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 0.5$ , rand.inf. = True, w.rand.inf. = True,  $N_{\text{connect}}^{\text{connect}} = 0$ ,  $f_{\text{work/other}} = 0.7717$ ,  $N_{\text{contacts}_{\max}} = 0$   
 $N_{\text{events}} = 3.61K$ , event<sub>size<sub>max</sub></sub> = 10, event<sub>size<sub>mean</sub></sub> = 3.1879, event <sub>$\beta$ scaling</sub> = 5.0, event<sub>weekendmultiplier</sub> = 2.0  
do<sub>int.</sub> = True, int. = [3, 4, 5, 6],  $f_{\text{dailytests}} = 0.01$ , test<sub>delay</sub> = [0, 0, 25]  
chance<sub>find.inf.</sub> = [0.0, 0.15, 0.15, 0.15, 0.0], days<sub>look.back</sub> = 7, tracking<sub>delay</sub> = 10



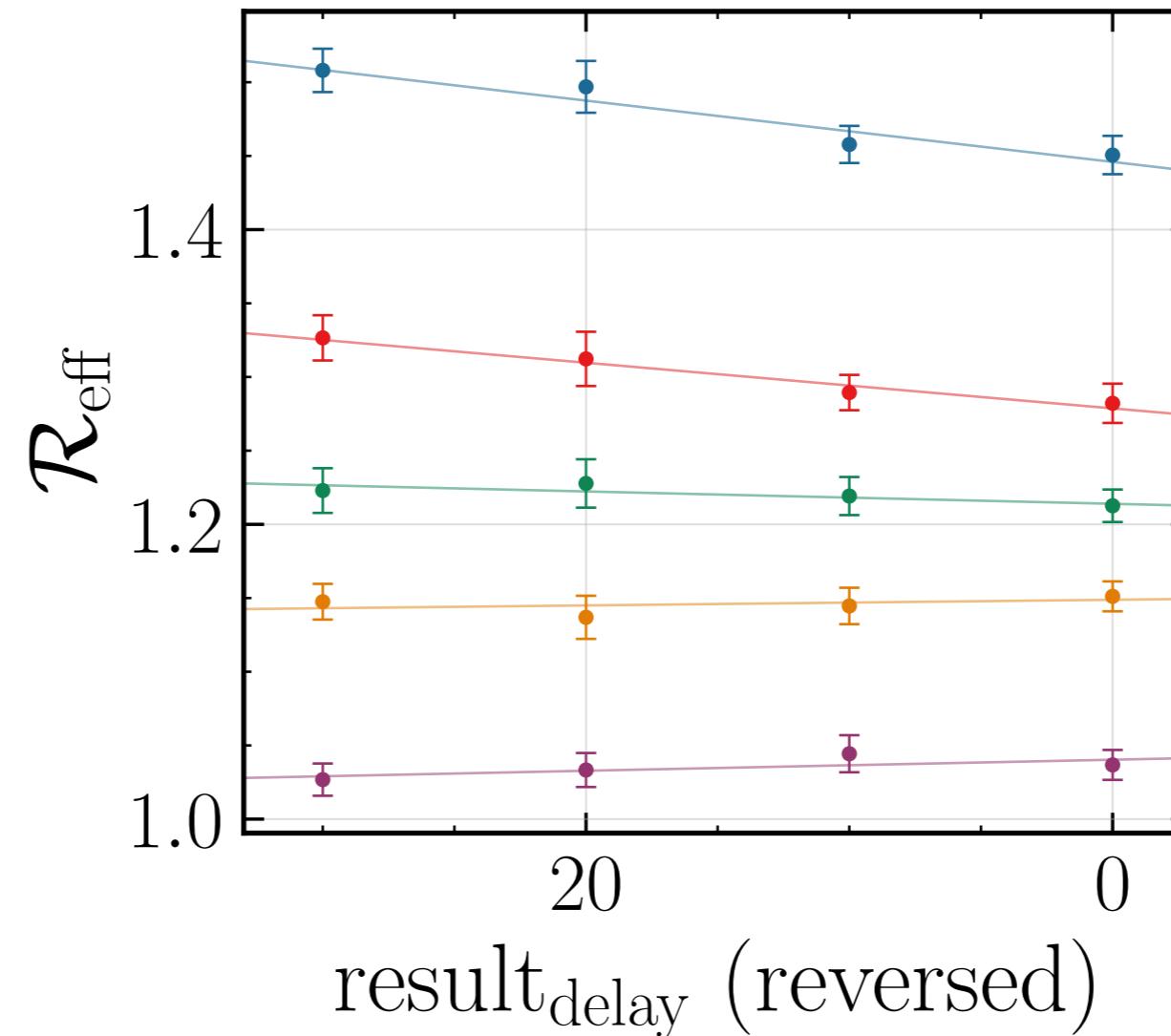
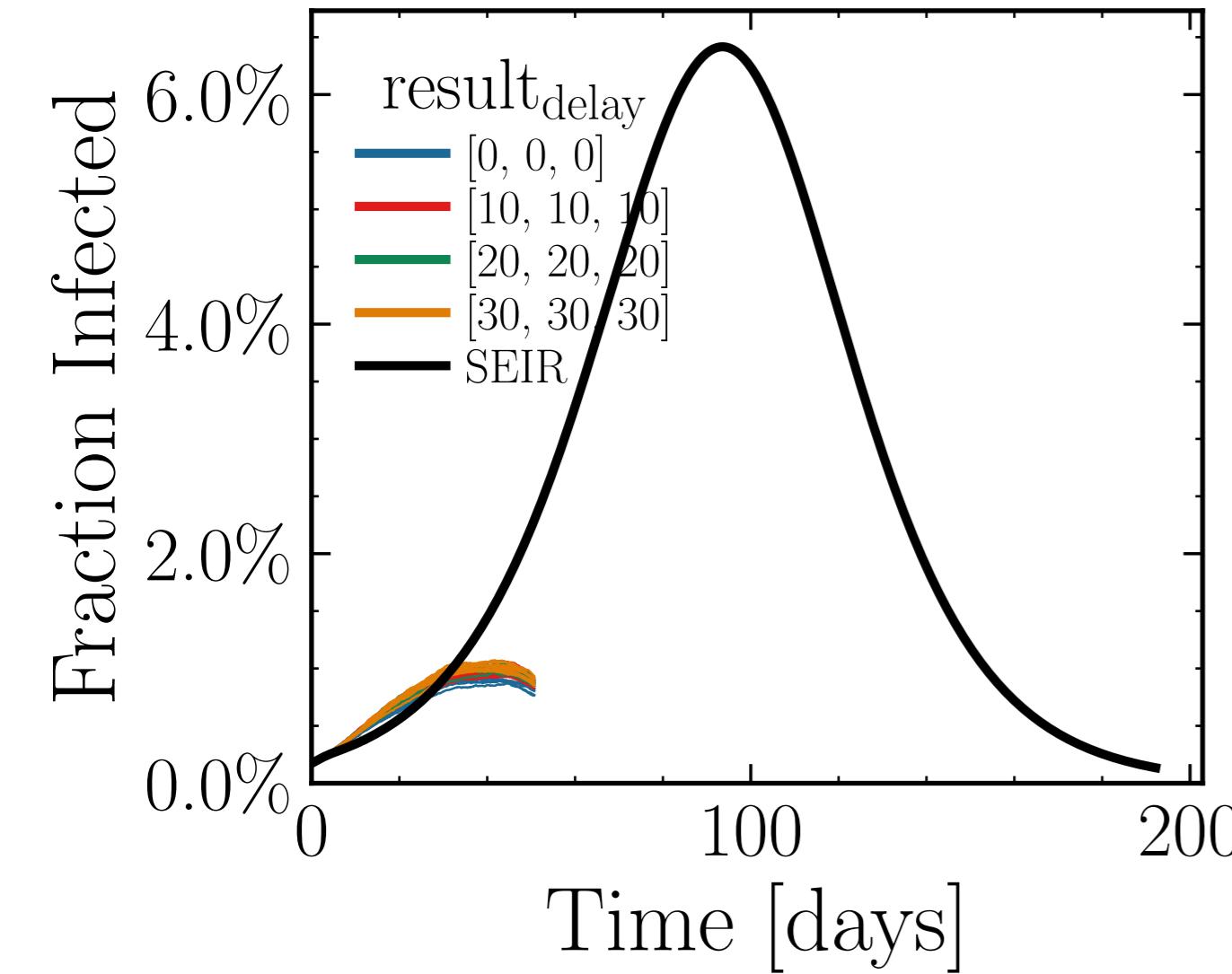
$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 17.0374$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.0089$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 2K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 0.5$ , rand.inf. = True, w.rand.inf. = True,  $N_{\text{connect}}^{\text{retries}} = 0$ ,  $f_{\text{work/other}} = 0.5154$ ,  $N_{\text{contacts}_{\max}} = 0$   
 $N_{\text{events}} = 3.33K$ , event<sub>size<sub>max</sub></sub> = 10, event<sub>size<sub>mean</sub></sub> = 4.1392, event <sub>$\beta$ scaling</sub> = 5.0, event<sub>weekendmultiplier</sub> = 2.0  
do<sub>int.</sub> = True, int. = [3, 4, 5, 6],  $f_{\text{dailytests}} = 0.01$ , test<sub>delay</sub> = [0, 0, 25]  
chancefind.inf. = [0.0, 0.15, 0.15, 0.15, 0.0], days<sub>look.back</sub> = 7, tracking<sub>delay</sub> = 10



$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 15.9204$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.0095$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 2K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 0.5$ , rand.inf. = True, w.rand.inf. = True,  $N_{\text{connect}}^{\text{retries}} = 0$ ,  $f_{\text{work/other}} = 0.6289$ ,  $N_{\text{contacts}_{\max}} = 0$   
 $N_{\text{events}} = 2.9K$ , event<sub>size<sub>max</sub></sub> = 10, event<sub>size<sub>mean</sub></sub> = 4.1523, event <sub>$\beta$ scaling</sub> = 5.0, event<sub>weekendmultiplier</sub> = 2.0  
do<sub>int.</sub> = True, int. = [3, 4, 5, 6],  $f_{\text{dailytests}} = 0.01$ , test<sub>delay</sub> = [0, 0, 25]  
chance<sub>find.inf.</sub> = [0.0, 0.15, 0.15, 0.15, 0.0], days<sub>look.back</sub> = 7, tracking<sub>delay</sub> = 10

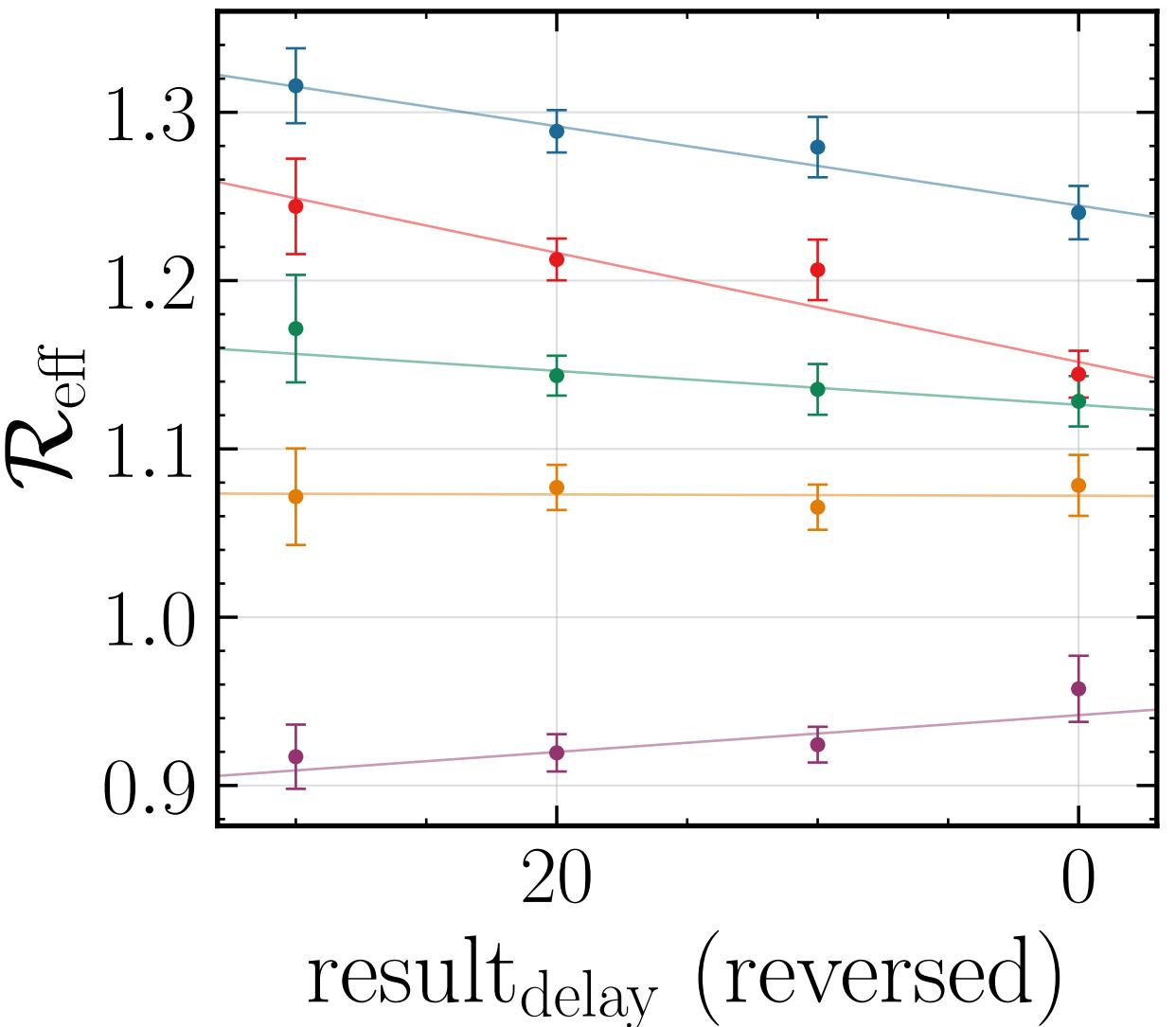
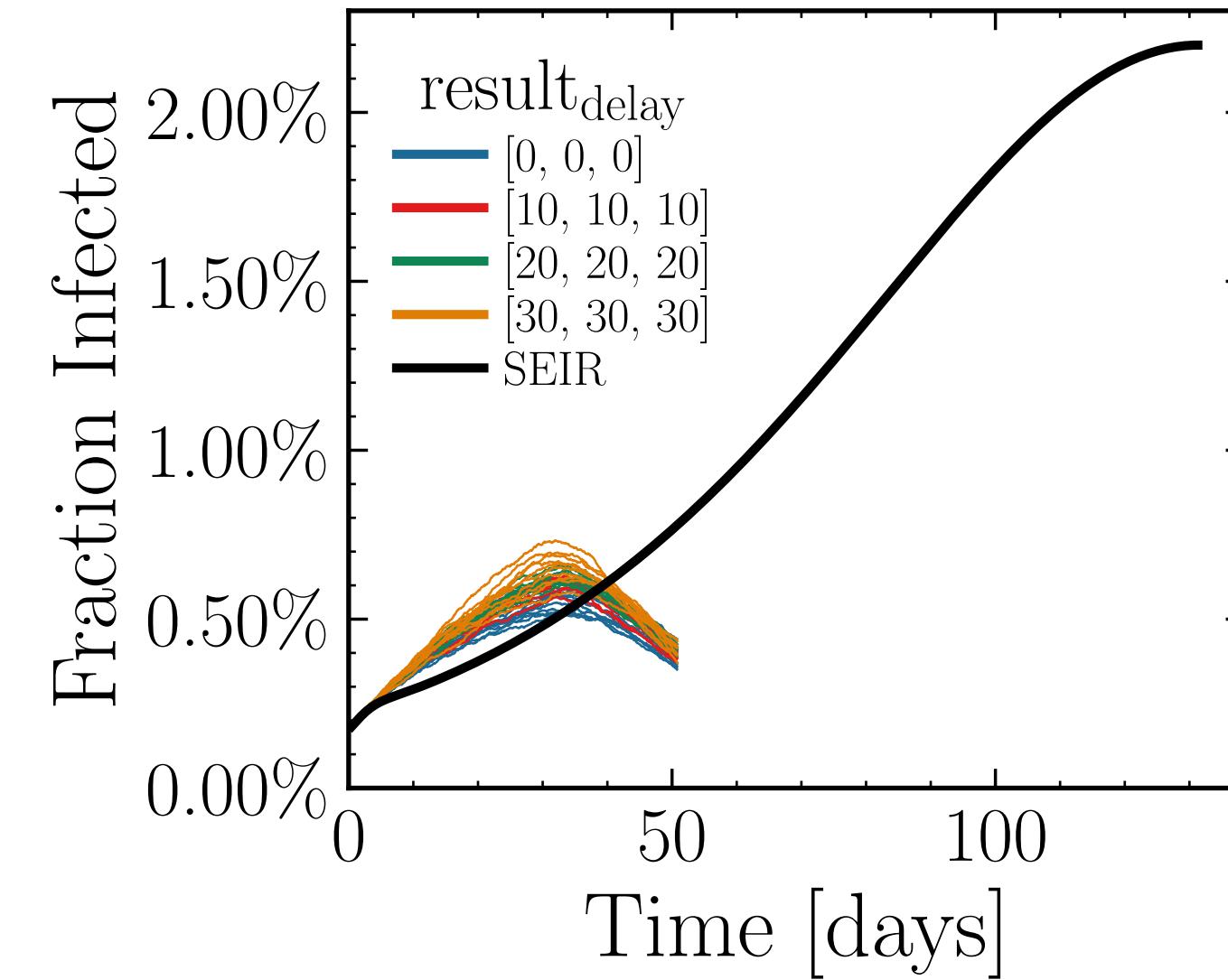


$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 14.492$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.0133$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 2K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 0.5$ , rand.inf. = True, w.rand.inf. = True,  $N_{\text{connect}}^{\text{retries}} = 0$ ,  $f_{\text{work/other}} = 0.7914$ ,  $N_{\text{contacts}_{\max}} = 0$   
 $N_{\text{events}} = 1.18K$ ,  $\text{event}_{\text{size}_{\max}} = 10$ ,  $\text{event}_{\text{size}_{\text{mean}}} = 4.3601$ ,  $\text{event}_{\beta_{\text{scaling}}} = 5.0$ ,  $\text{event}_{\text{weekend}_{\text{multiplier}}} = 2.0$   
do\_int. = True, int. = [3, 4, 5, 6],  $f_{\text{dailytests}} = 0.01$ , test\_delay = [0, 0, 25]  
chance\_find.inf. = [0.0, 0.15, 0.15, 0.15, 0.0], days\_look.back = 7, tracking\_delay = 10

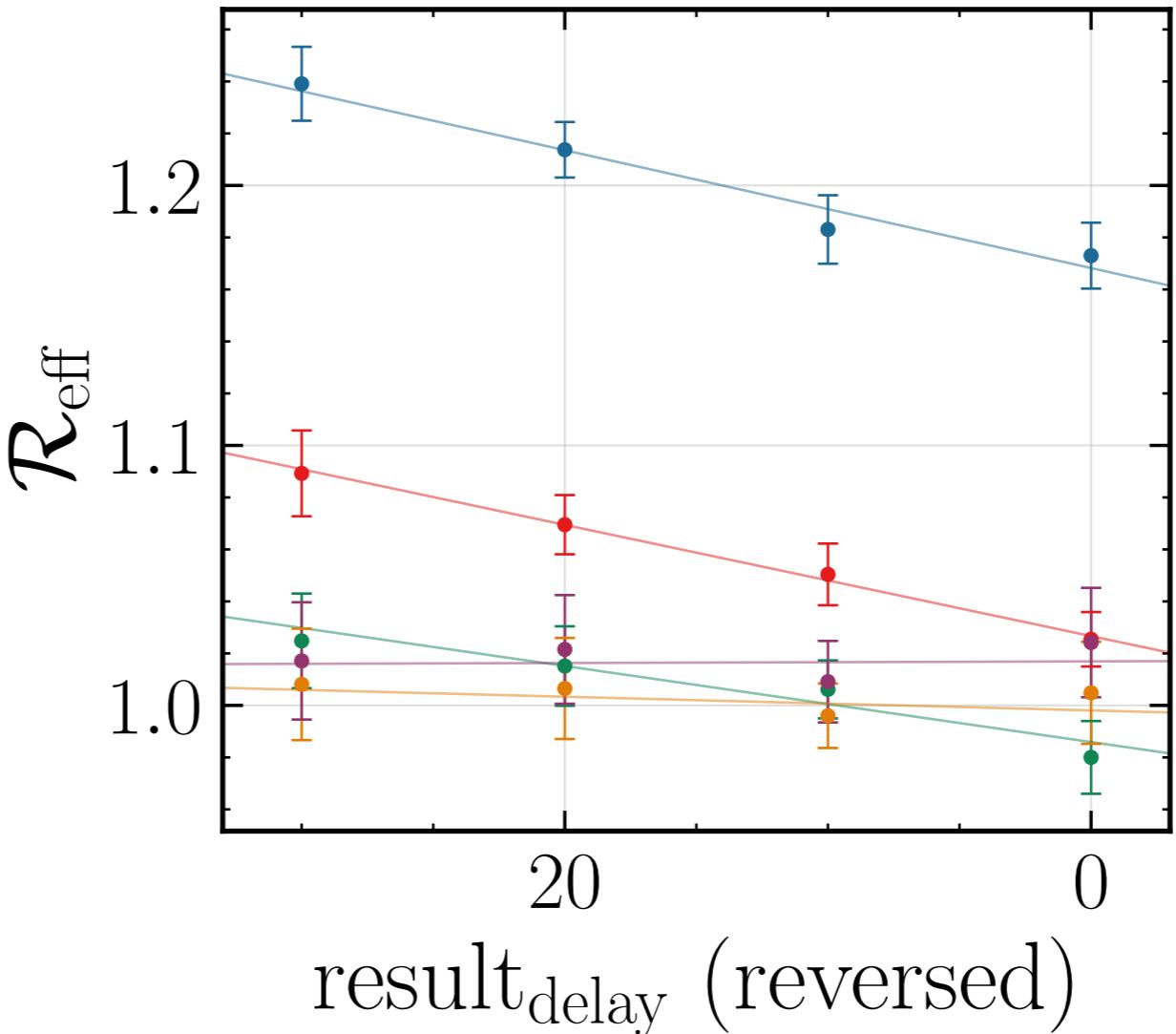
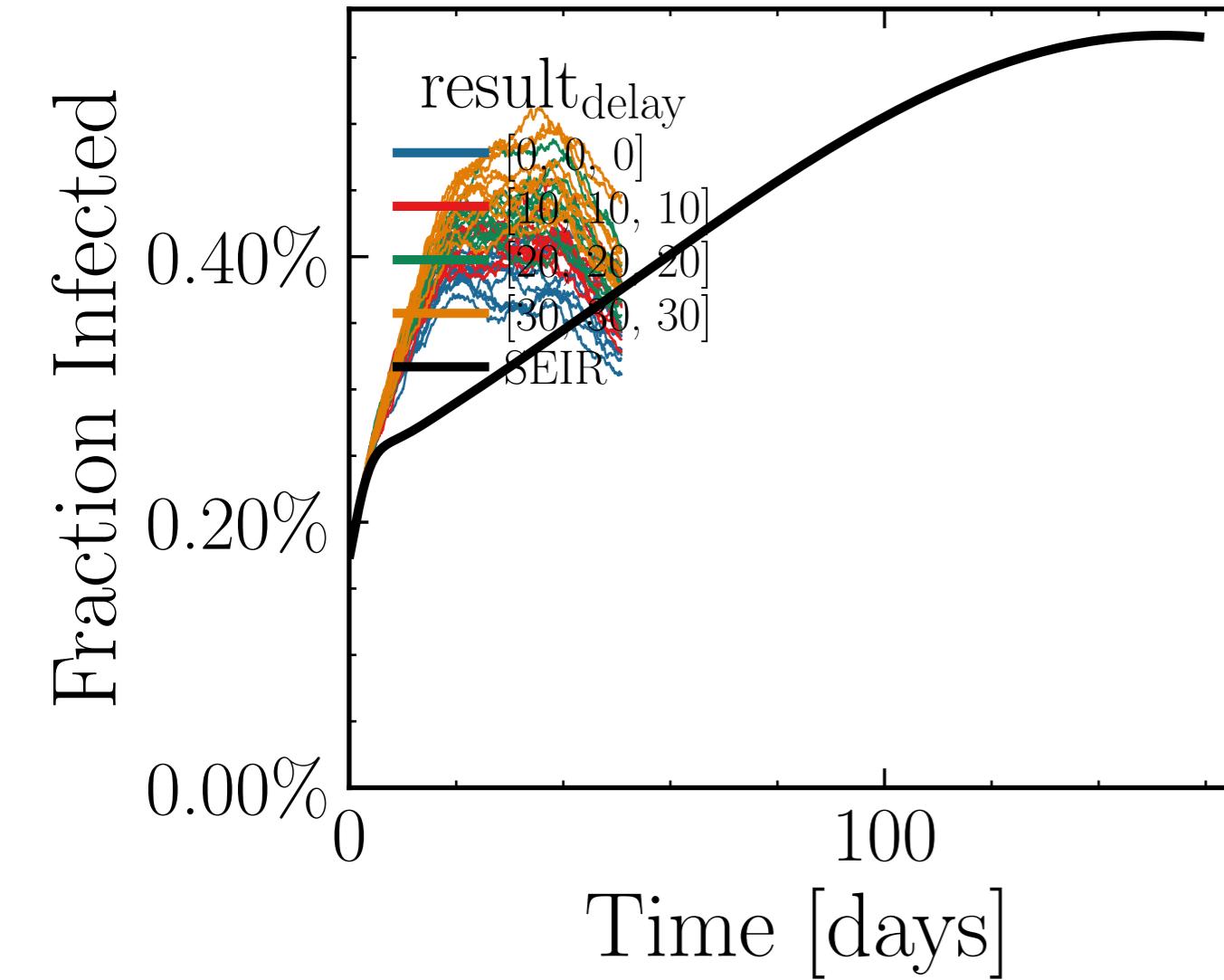


Day: 20,  $a = 0.0021 \pm 0.0006$   
 Day: 25,  $a = 0.0015 \pm 0.0006$   
 Day: 30,  $a = 0.0004 \pm 0.0006$   
 Day: 35,  $a = -0.0002 \pm 0.0005$   
 Day: 40,  $a = -0.0004 \pm 0.0005$

$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 15.8847$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.0099$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 2K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 0.5$ , rand.inf. = True, w.rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$ ,  $f_{\text{work/other}} = 0.6639$ ,  $N_{\text{contacts max}} = 0$   
 $N_{\text{events}} = 4.22K$ , event<sub>size<sub>max</sub></sub> = 10, event<sub>size<sub>mean</sub></sub> = 4.9308, event <sub>$\beta$  scaling</sub> = 5.0, event<sub>weekend multiplier</sub> = 2.0  
do<sub>int.</sub> = True, int. = [3, 4, 5, 6],  $f_{\text{dailytests}} = 0.01$ , test<sub>delay</sub> = [0, 0, 25]  
chance<sub>find.inf.</sub> = [0.0, 0.15, 0.15, 0.15, 0.0], days<sub>look.back</sub> = 7, tracking<sub>delay</sub> = 10

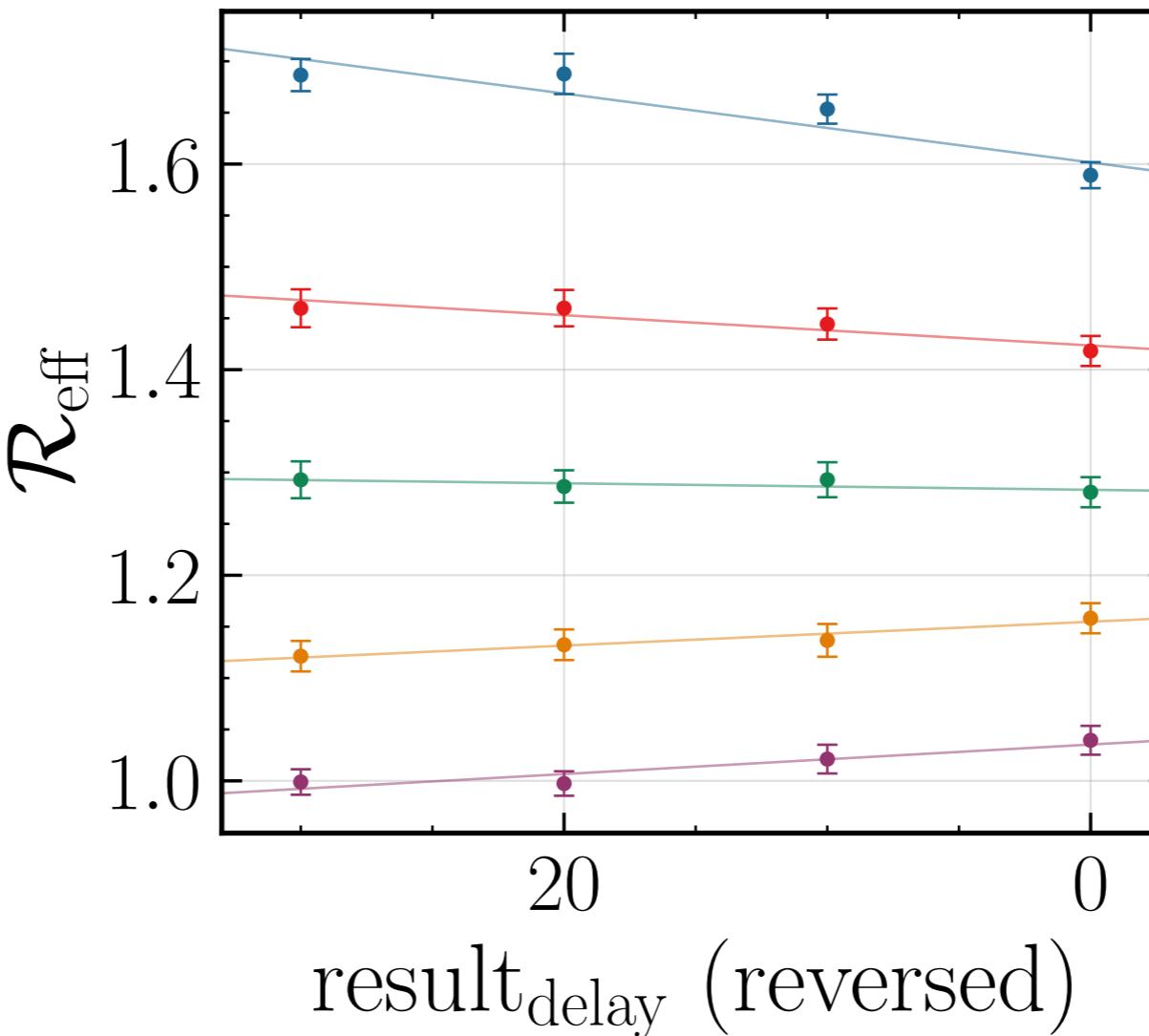
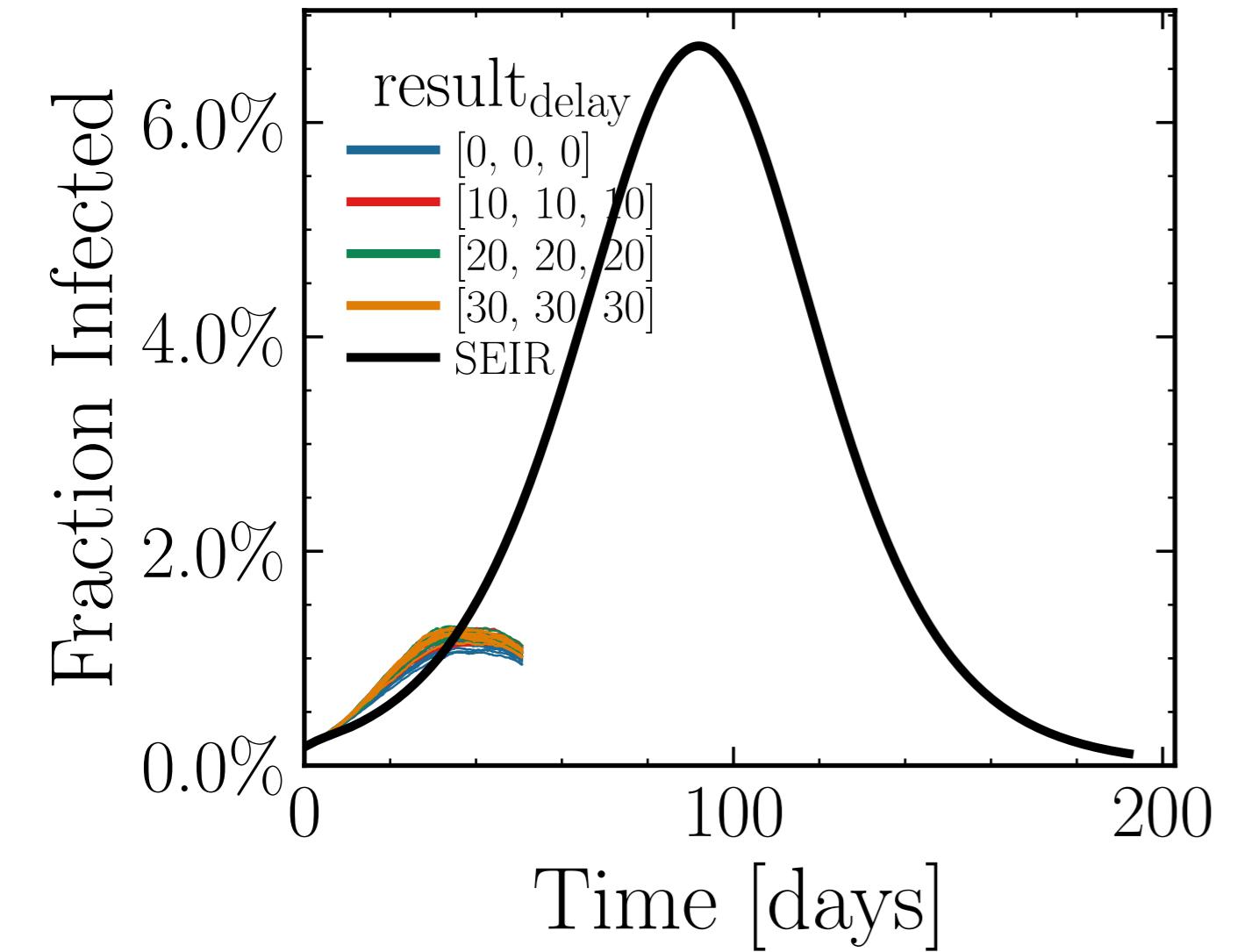


$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 13.9651$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.0098$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 2K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 0.5$ , rand.inf. = True, w.rand.inf. = True,  $N_{\text{connect}}^{\text{connect}} = 0$ ,  $f_{\text{work/other}} = 0.7524$ ,  $N_{\text{contacts}_{\max}} = 0$   
 $N_{\text{events}} = 3.19K$ , event<sub>size<sub>max</sub></sub> = 10, event<sub>size<sub>mean</sub></sub> = 4.6276, event <sub>$\beta$ scaling</sub> = 5.0, event<sub>weekendmultiplier</sub> = 2.0  
do<sub>int.</sub> = True, int. = [3, 4, 5, 6],  $f_{\text{dailytests}} = 0.01$ , test<sub>delay</sub> = [0, 0, 25]  
chance<sub>find.inf.</sub> = [0.0, 0.15, 0.15, 0.15, 0.0], days<sub>look.back</sub> = 7, tracking<sub>delay</sub> = 10

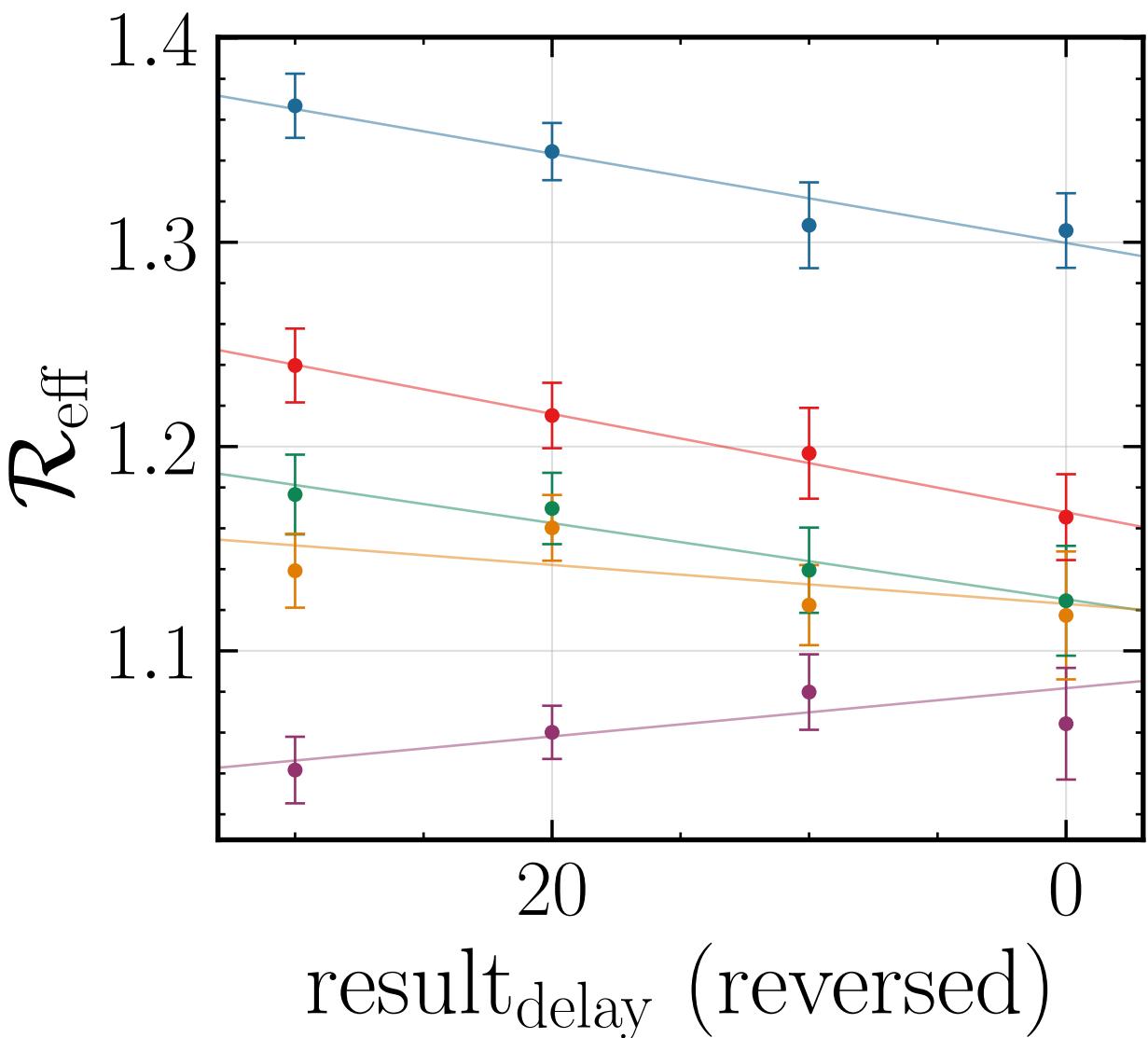
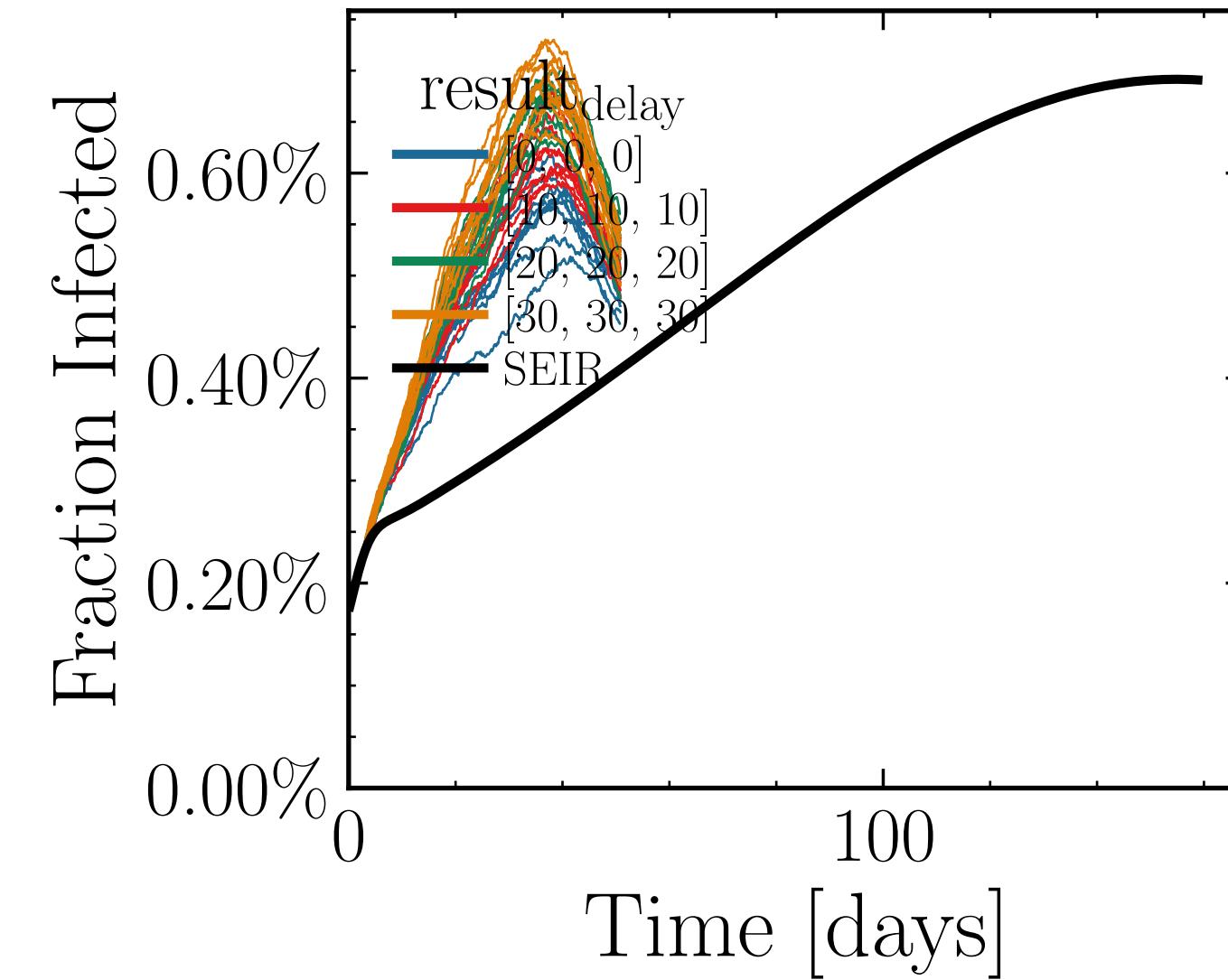


Day: 20,  $a=0.0023 \pm 0.0006$   
 Day: 25,  $a=0.0021 \pm 0.0006$   
 Day: 30,  $a=0.0015 \pm 0.0007$   
 Day: 35,  $a=0.0003 \pm 0.0009$   
 Day: 40,  $a=0.000 \pm 0.001$

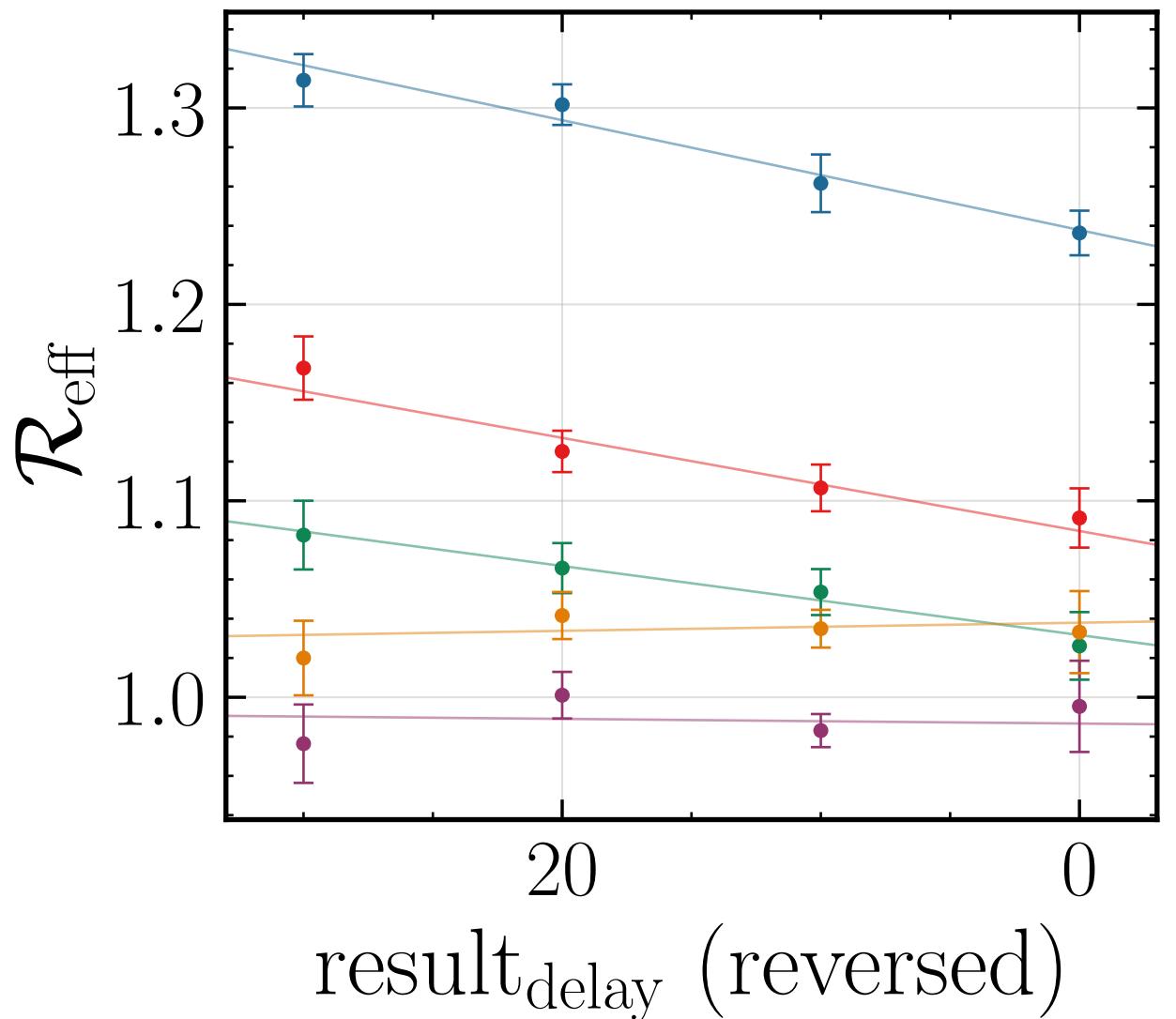
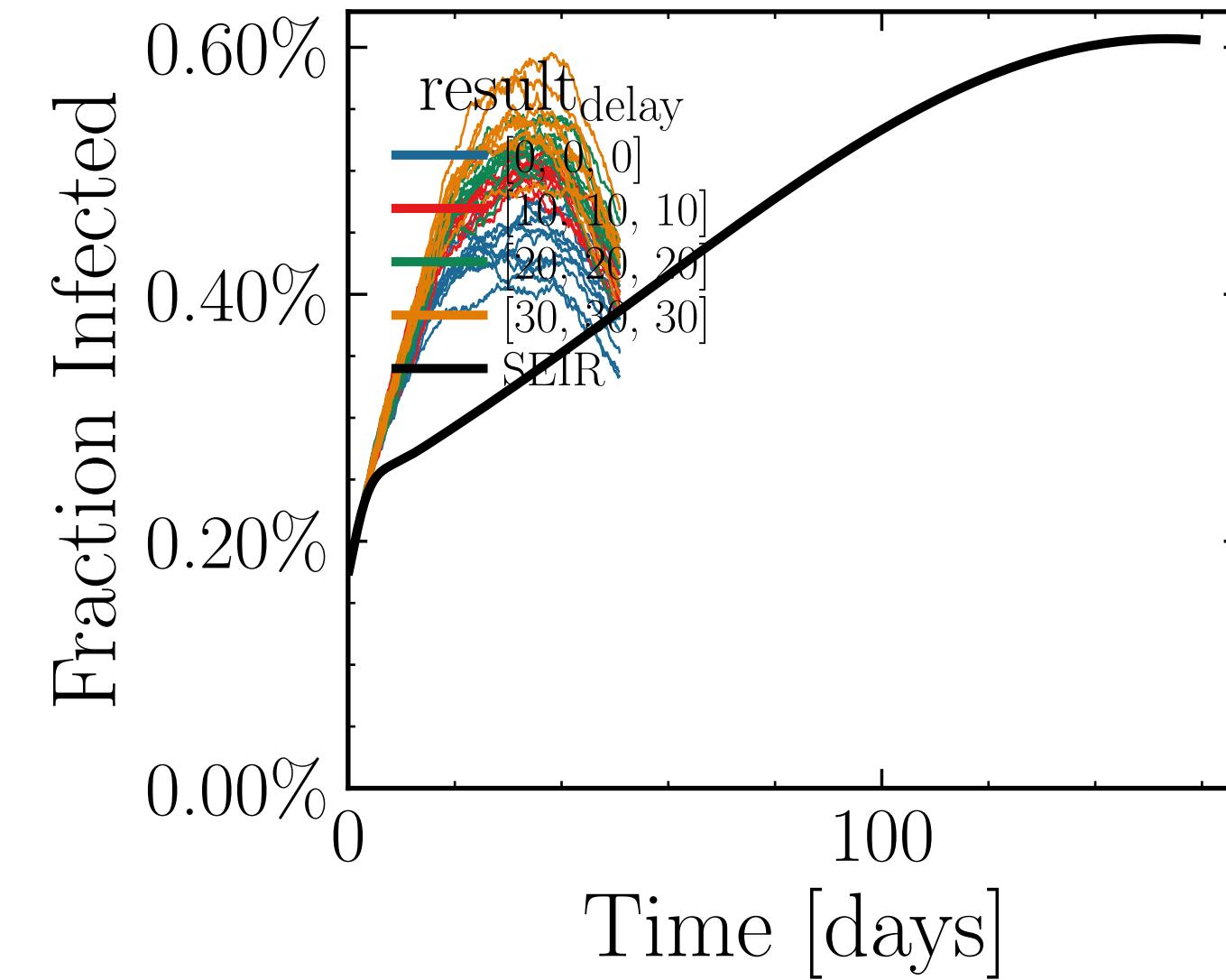
$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 14.2386$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.0137$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 2K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 0.5$ , rand.inf. = True, w.rand.inf. = True,  $N_{\text{connect}}^{\text{retries}} = 0$ ,  $f_{\text{work/other}} = 0.6426$ ,  $N_{\text{contacts}_{\max}} = 0$   
 $N_{\text{events}} = 2.14K$ ,  $\text{event}_{\text{size}_{\max}} = 10$ ,  $\text{event}_{\text{size}_{\text{mean}}} = 4.288$ ,  $\text{event}_{\beta_{\text{scaling}}} = 5.0$ ,  $\text{event}_{\text{weekend}_{\text{multiplier}}} = 2.0$   
do\_int. = True, int. = [3, 4, 5, 6],  $f_{\text{dailytests}} = 0.01$ , test\_delay = [0, 0, 25]  
chance\_find.inf. = [0.0, 0.15, 0.15, 0.15, 0.0], days\_look.back = 7, tracking\_delay = 10



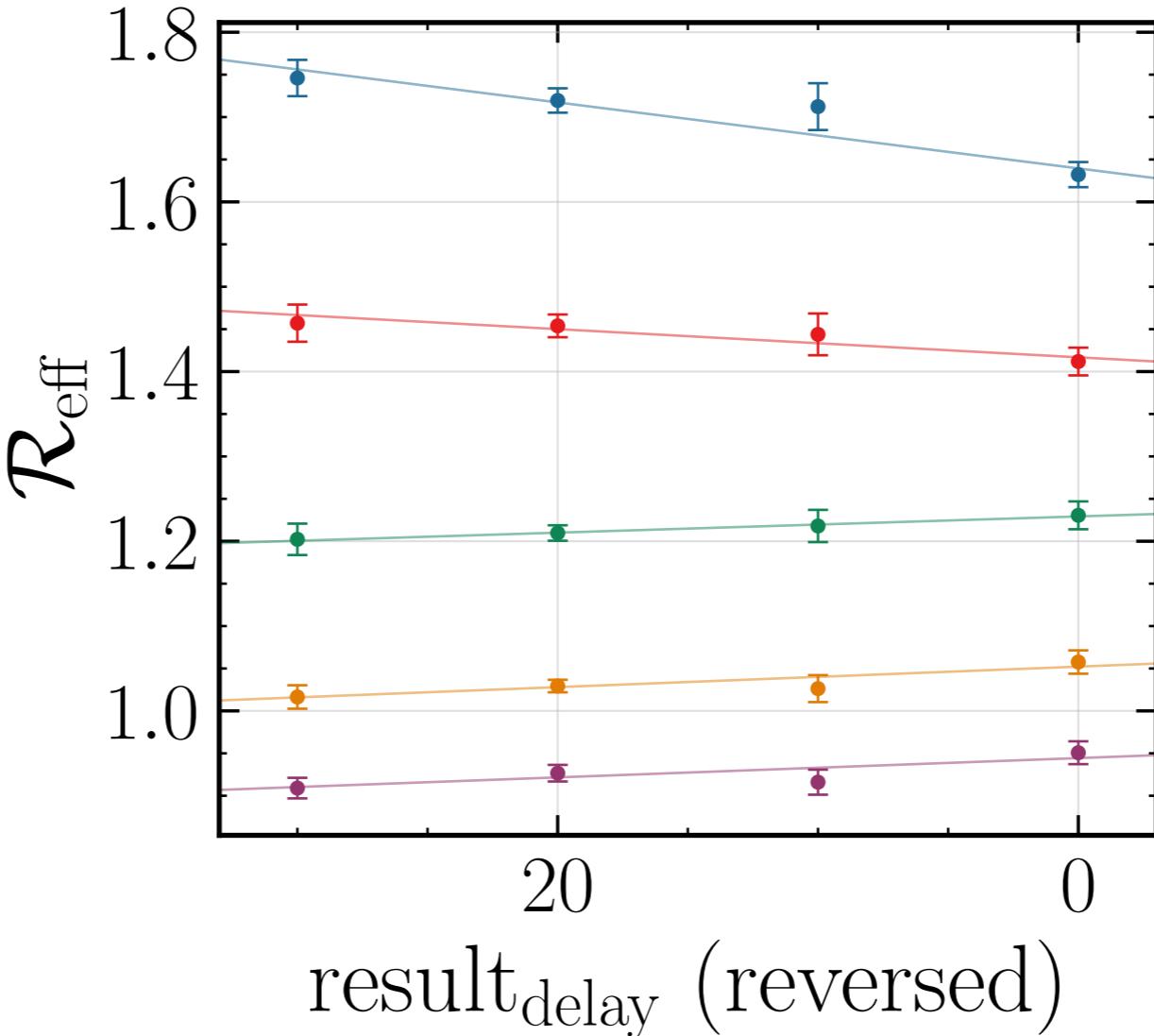
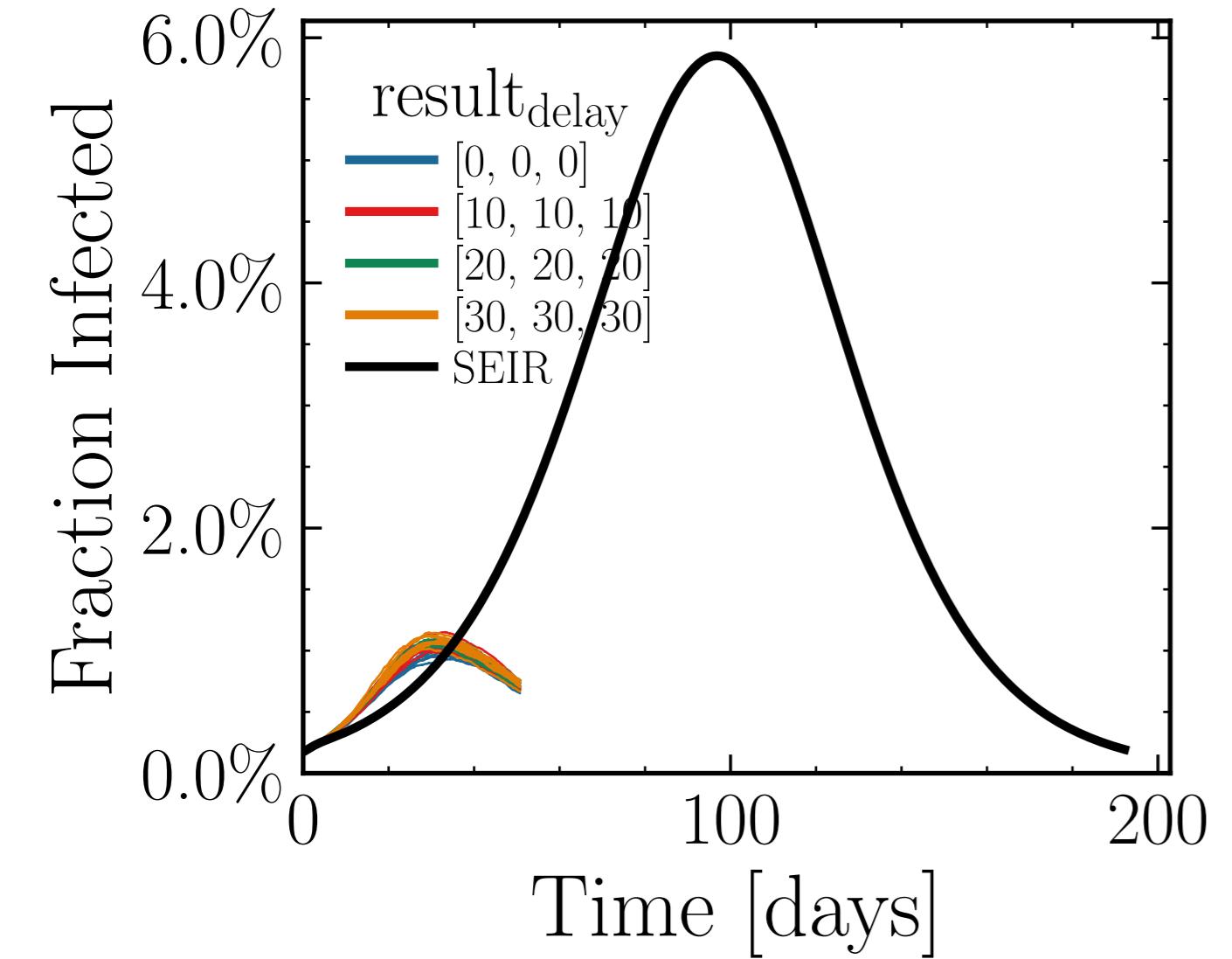
$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 12.8799$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.0108$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 2K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 0.5$ , rand.inf. = True, w.rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$ ,  $f_{\text{work/other}} = 0.5534$ ,  $N_{\text{contacts}_{\max}} = 0$   
 $N_{\text{events}} = 3.17K$ ,  $\text{event}_{\text{size}_{\max}} = 10$ ,  $\text{event}_{\text{size}_{\text{mean}}} = 4.4321$ ,  $\text{event}_{\beta_{\text{scaling}}} = 5.0$ ,  $\text{event}_{\text{weekend multiplier}} = 2.0$   
do\_int. = True, int. = [3, 4, 5, 6],  $f_{\text{dailytests}} = 0.01$ , test\_delay = [0, 0, 25]  
chancefind.inf. = [0.0, 0.15, 0.15, 0.15, 0.0], days\_look.back = 7, tracking\_delay = 10



$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 12.9828$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.0106$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 2K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 0.5$ , rand.inf. = True, w.rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$ ,  $f_{\text{work/other}} = 0.628$ ,  $N_{\text{contacts}_{\max}} = 0$   
 $N_{\text{events}} = 3.09K$ , event<sub>size<sub>max</sub></sub> = 10, event<sub>size<sub>mean</sub></sub> = 3.2709, event <sub>$\beta$ scaling</sub> = 5.0, event<sub>weekendmultiplier</sub> = 2.0  
do<sub>int.</sub> = True, int. = [3, 4, 5, 6],  $f_{\text{dailytests}} = 0.01$ , test<sub>delay</sub> = [0, 0, 25]  
chancefind.inf. = [0.0, 0.15, 0.15, 0.15, 0.0], days<sub>look.back</sub> = 7, tracking<sub>delay</sub> = 10

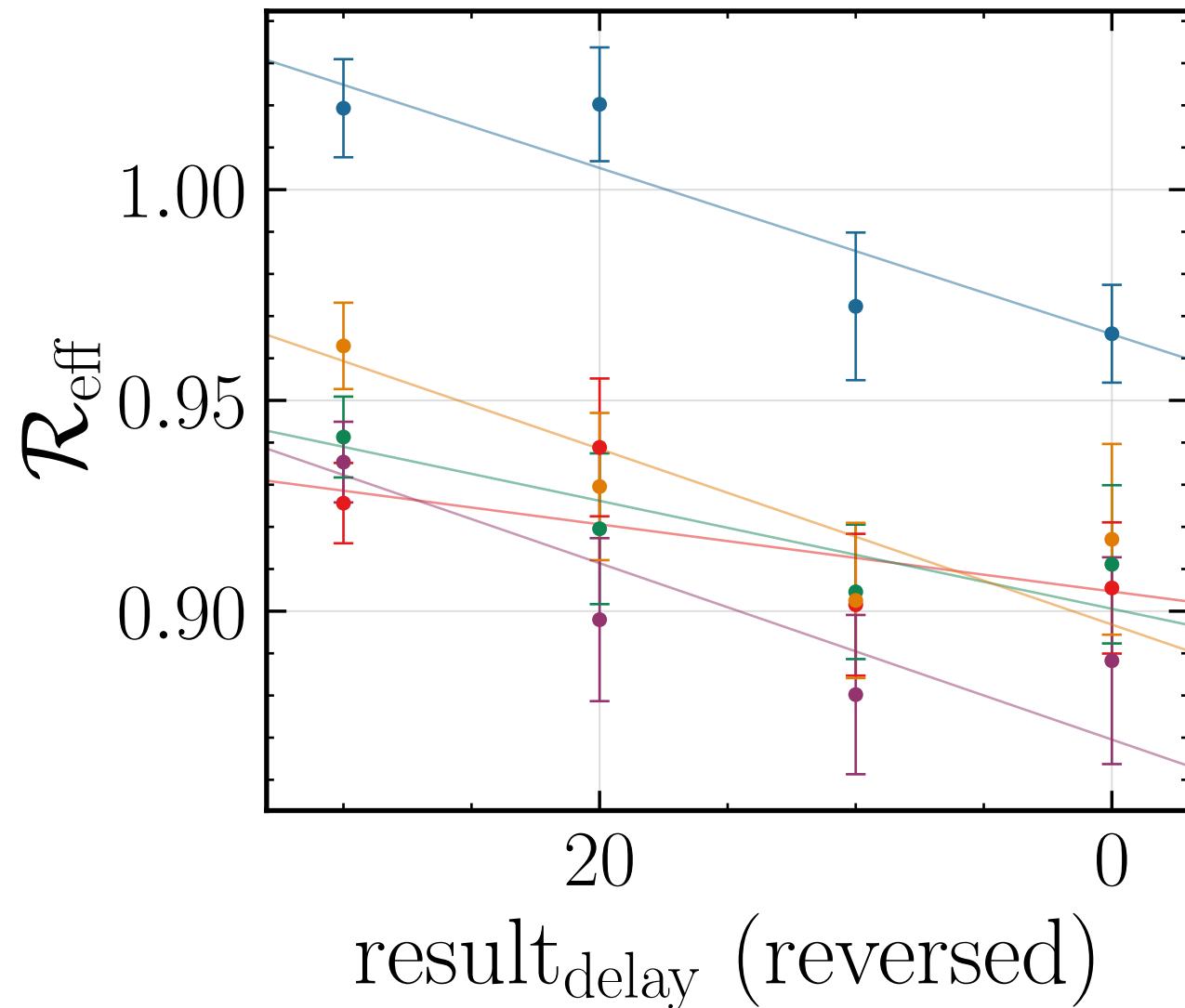
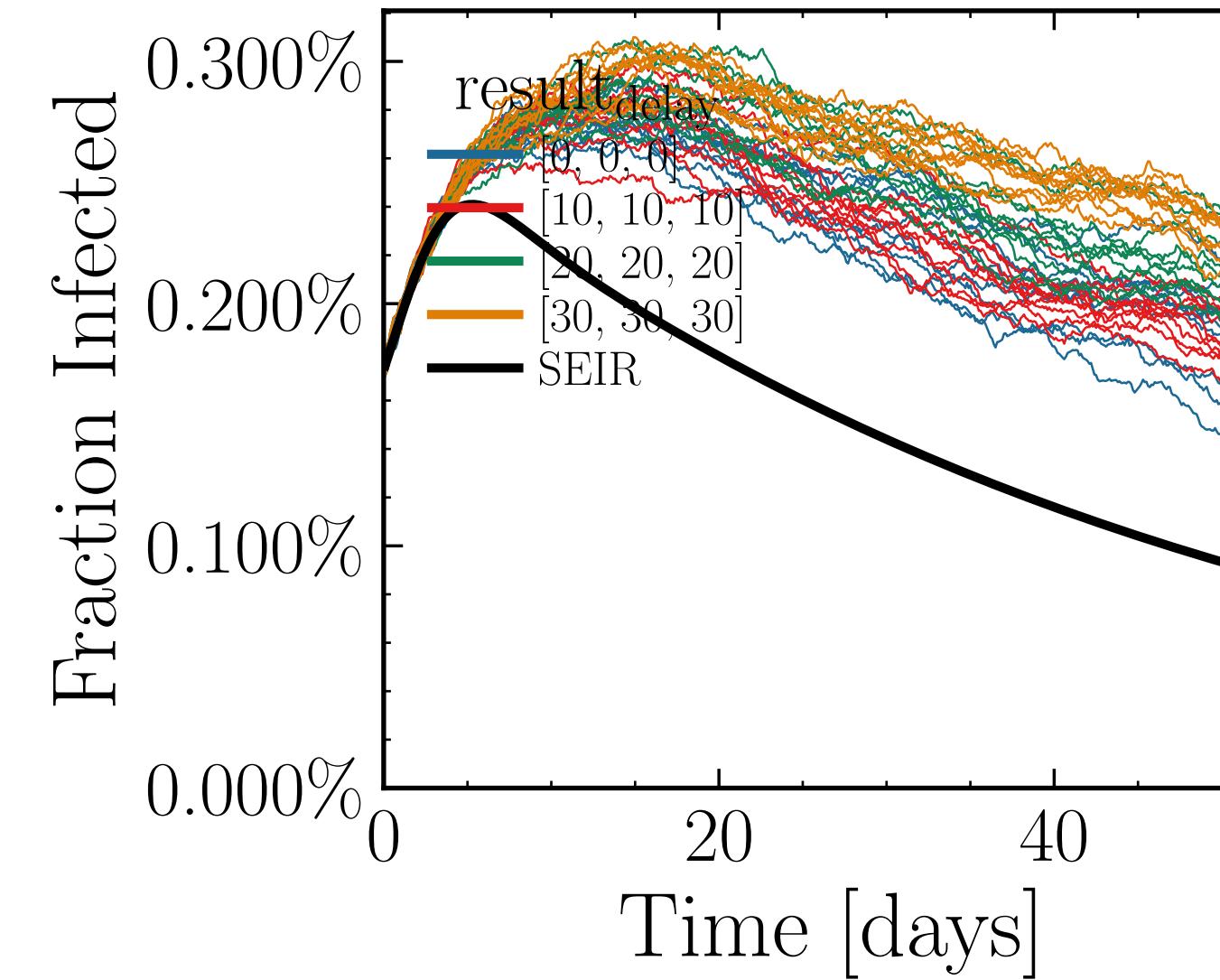


$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 16.521$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.0114$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 2K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 0.5$ , rand.inf. = True, w.rand.inf. = True,  $N_{\text{connect}}^{\text{retries}} = 0$ ,  $f_{\text{work/other}} = 0.5726$ ,  $N_{\text{contacts}_{\text{max}}} = 0$   
 $N_{\text{events}} = 2.15K$ , event<sub>size<sub>max</sub></sub> = 10, event<sub>size<sub>mean</sub></sub> = 4.3064, event <sub>$\beta$ <sub>scaling</sub></sub> = 5.0, event<sub>weekend<sub>multiplier</sub></sub> = 2.0  
do<sub>int.</sub> = True, int. = [3, 4, 5, 6],  $f_{\text{dailytests}} = 0.01$ , test<sub>delay</sub> = [0, 0, 25]  
chance<sub>find.inf.</sub> = [0.0, 0.15, 0.15, 0.15, 0.0], days<sub>look.back</sub> = 7, tracking<sub>delay</sub> = 10



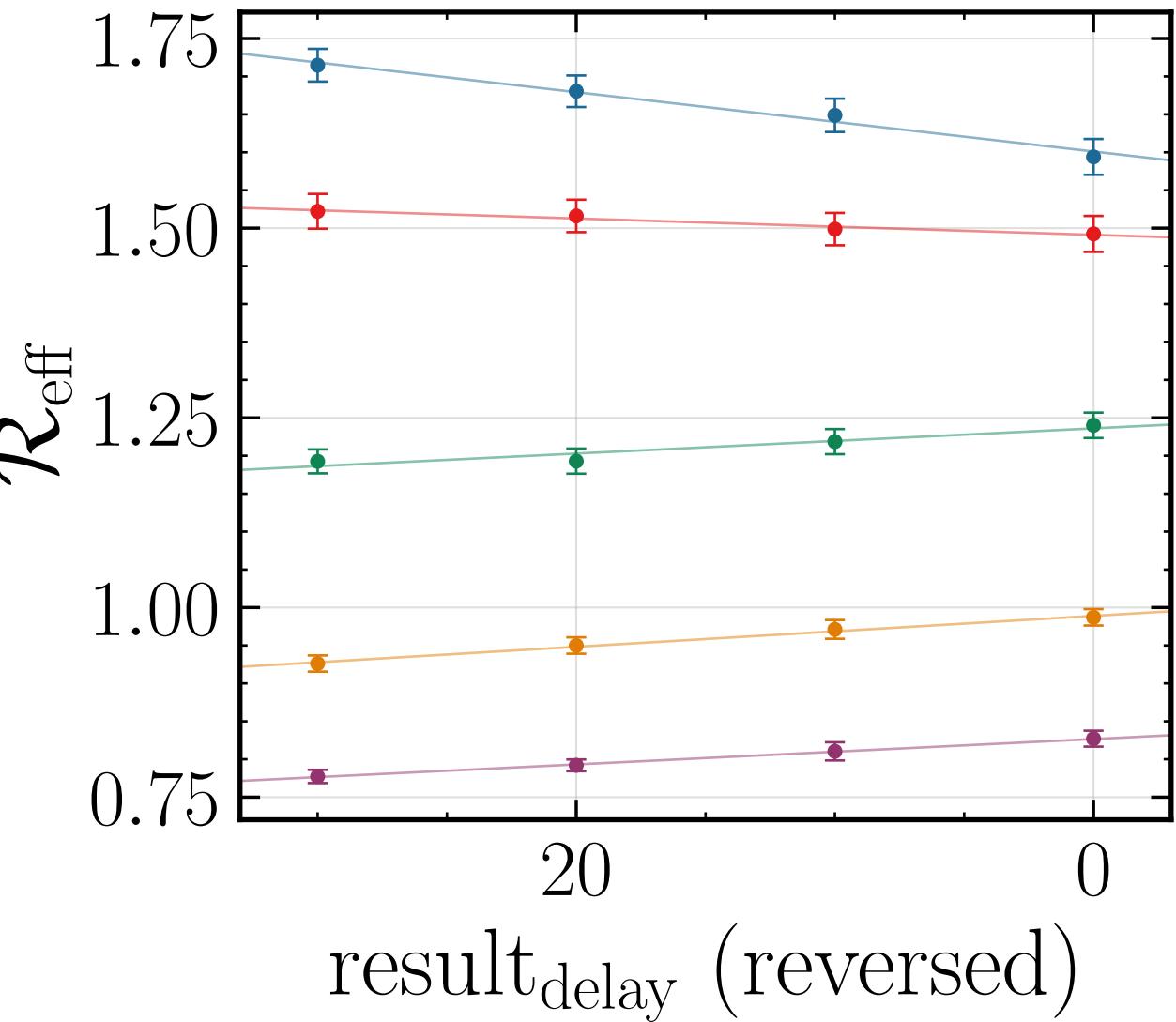
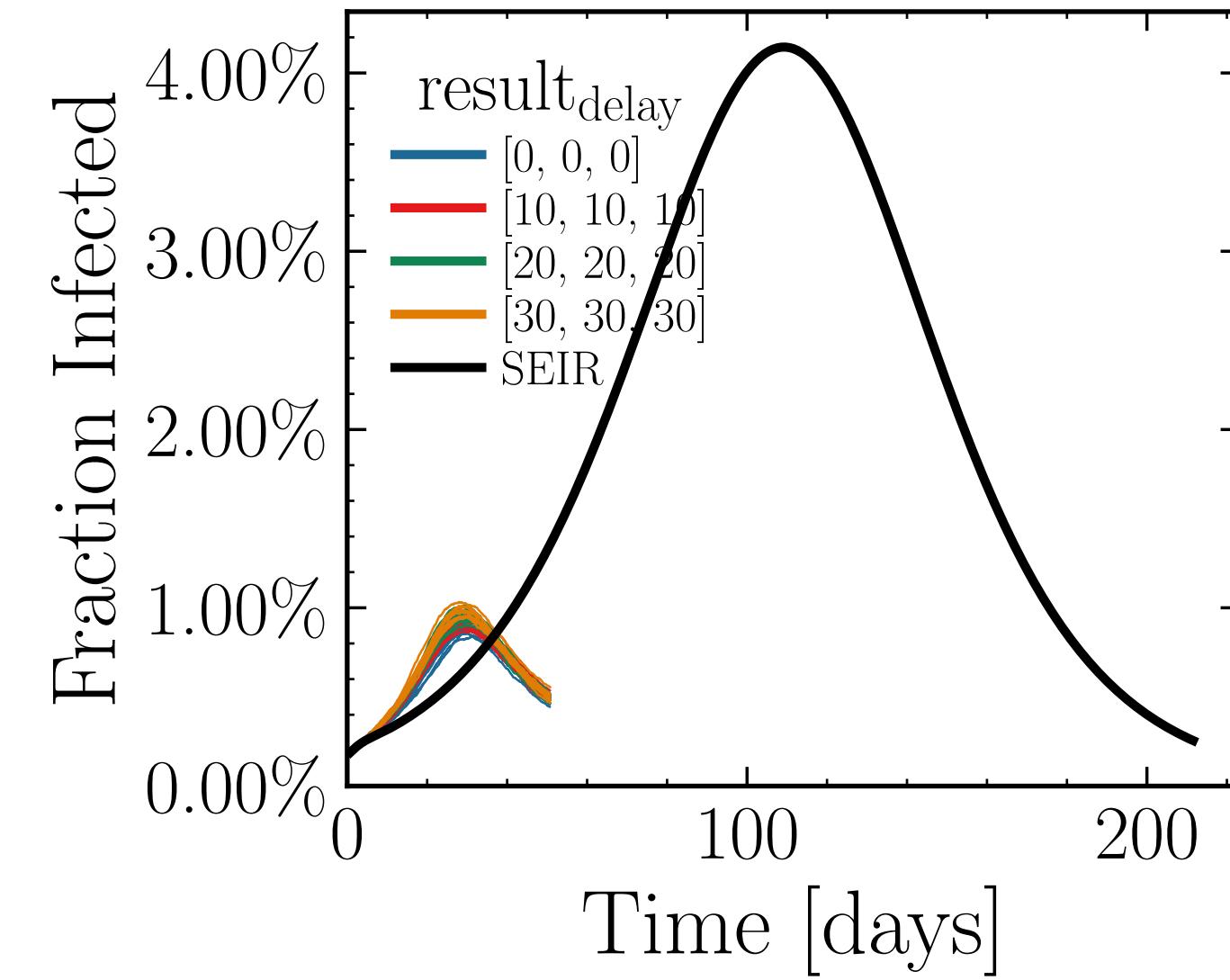
Day: 20, a=0.0039 ± 0.0008  
 Day: 25, a=0.0017 ± 0.0008  
 Day: 30, a=-0.0010 ± 0.0007  
 Day: 35, a=-0.0012 ± 0.0006  
 Day: 40, a=-0.0011 ± 0.0006

$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 11.6249$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.0089$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 2K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 0.5$ , rand.inf. = True, w.rand.inf. = True,  $N_{\text{connect}} = 0$ ,  $f_{\text{work/other}} = 0.6462$ ,  $N_{\text{contacts}_{\max}} = 0$   
 $N_{\text{events}} = 2.44K$ ,  $\text{event}_{\text{size}_{\max}} = 10$ ,  $\text{event}_{\text{size}_{\text{mean}}} = 4.7363$ ,  $\text{event}_{\beta_{\text{scaling}}} = 5.0$ ,  $\text{event}_{\text{weekend}_{\text{multiplier}}} = 2.0$   
do\_int. = True, int. = [3, 4, 5, 6],  $f_{\text{dailytests}} = 0.01$ , test\_delay = [0, 0, 25]  
chance\_fnd.inf. = [0.0, 0.15, 0.15, 0.15, 0.0], days\_look.back = 7, tracking\_delay = 10

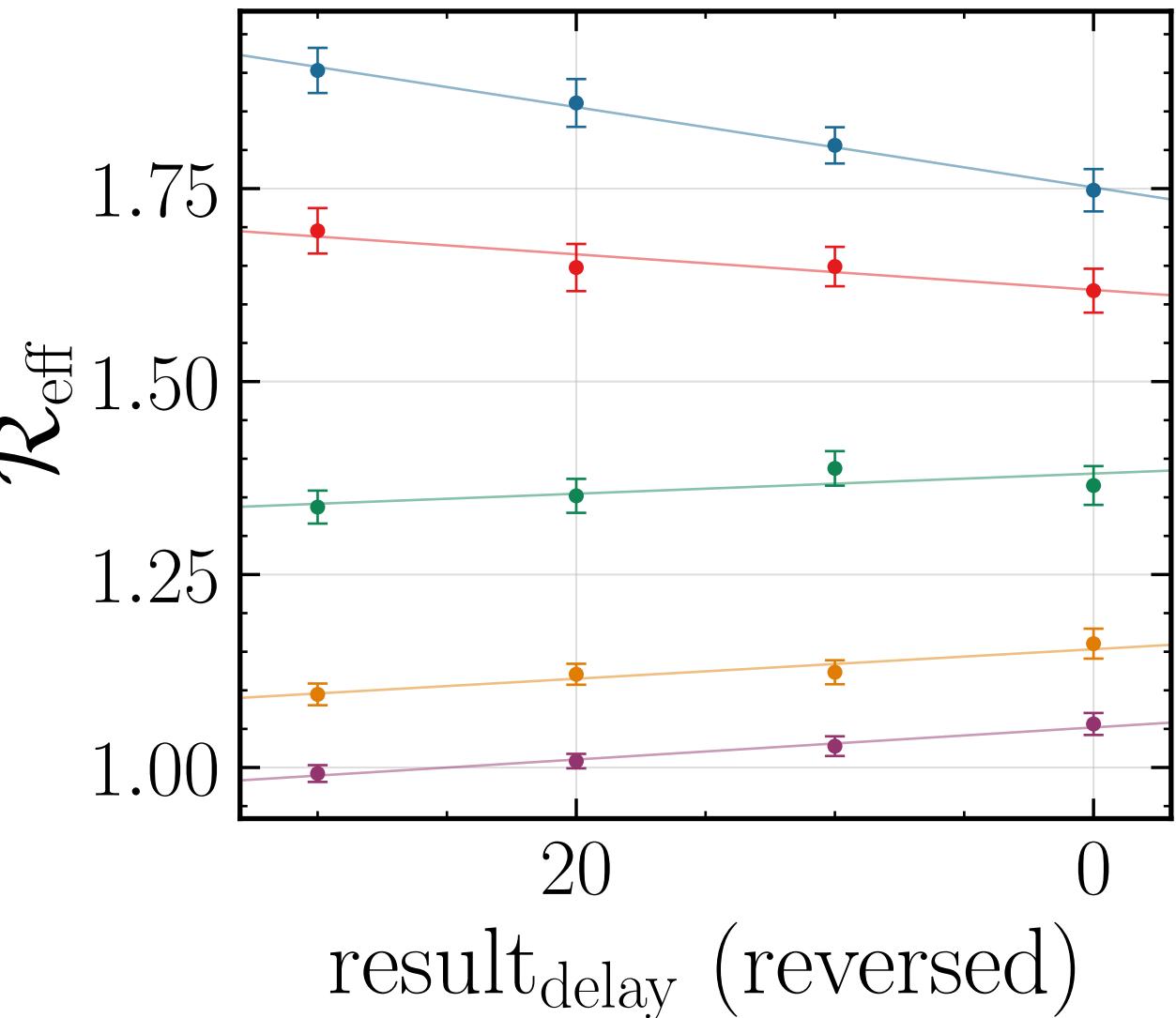
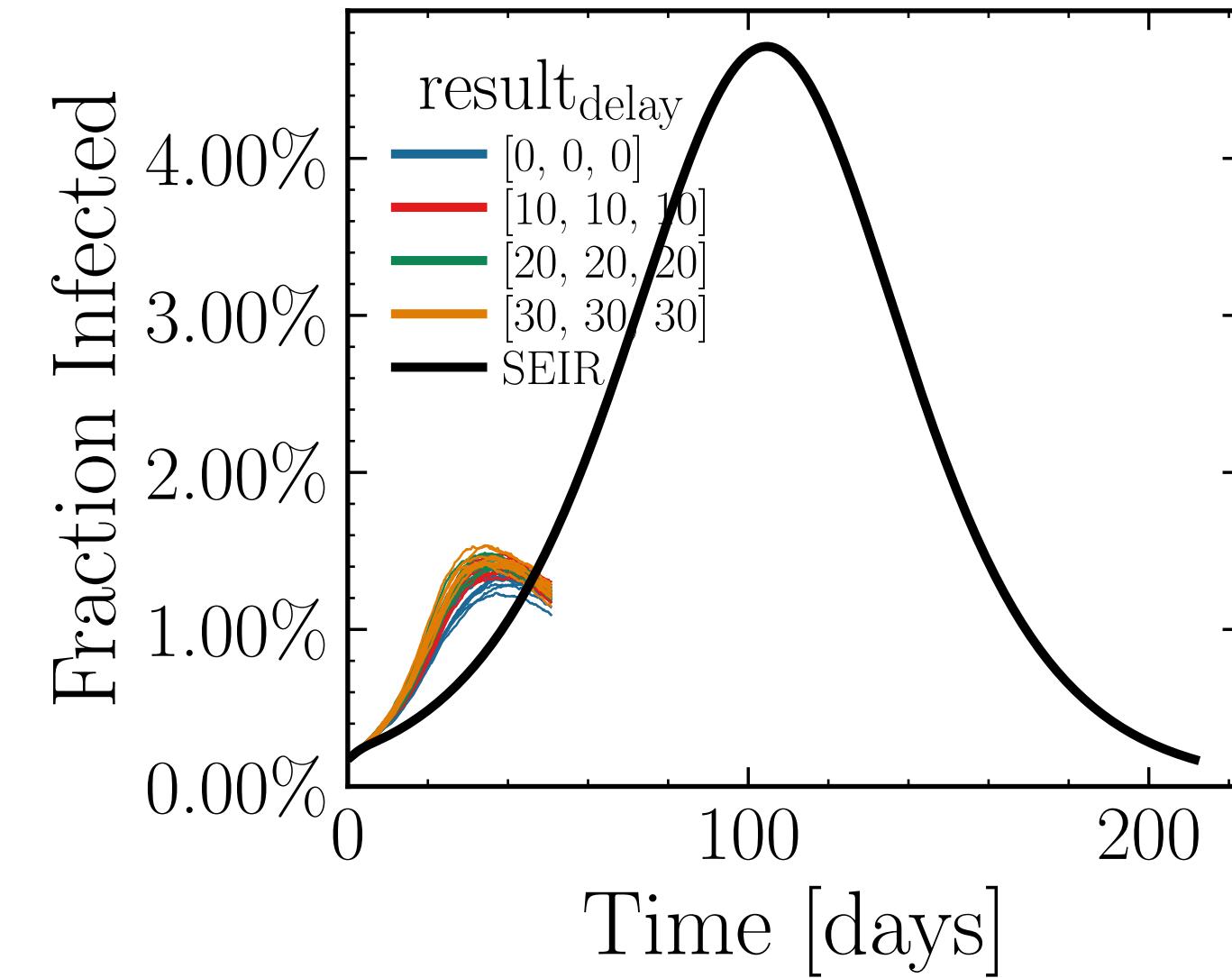


Day: 20,  $a=0.0020 \pm 0.0005$   
 Day: 25,  $a=0.0008 \pm 0.0006$   
 Day: 30,  $a=0.0013 \pm 0.0006$   
 Day: 35,  $a=0.0021 \pm 0.0007$   
 Day: 40,  $a=0.0021 \pm 0.0007$

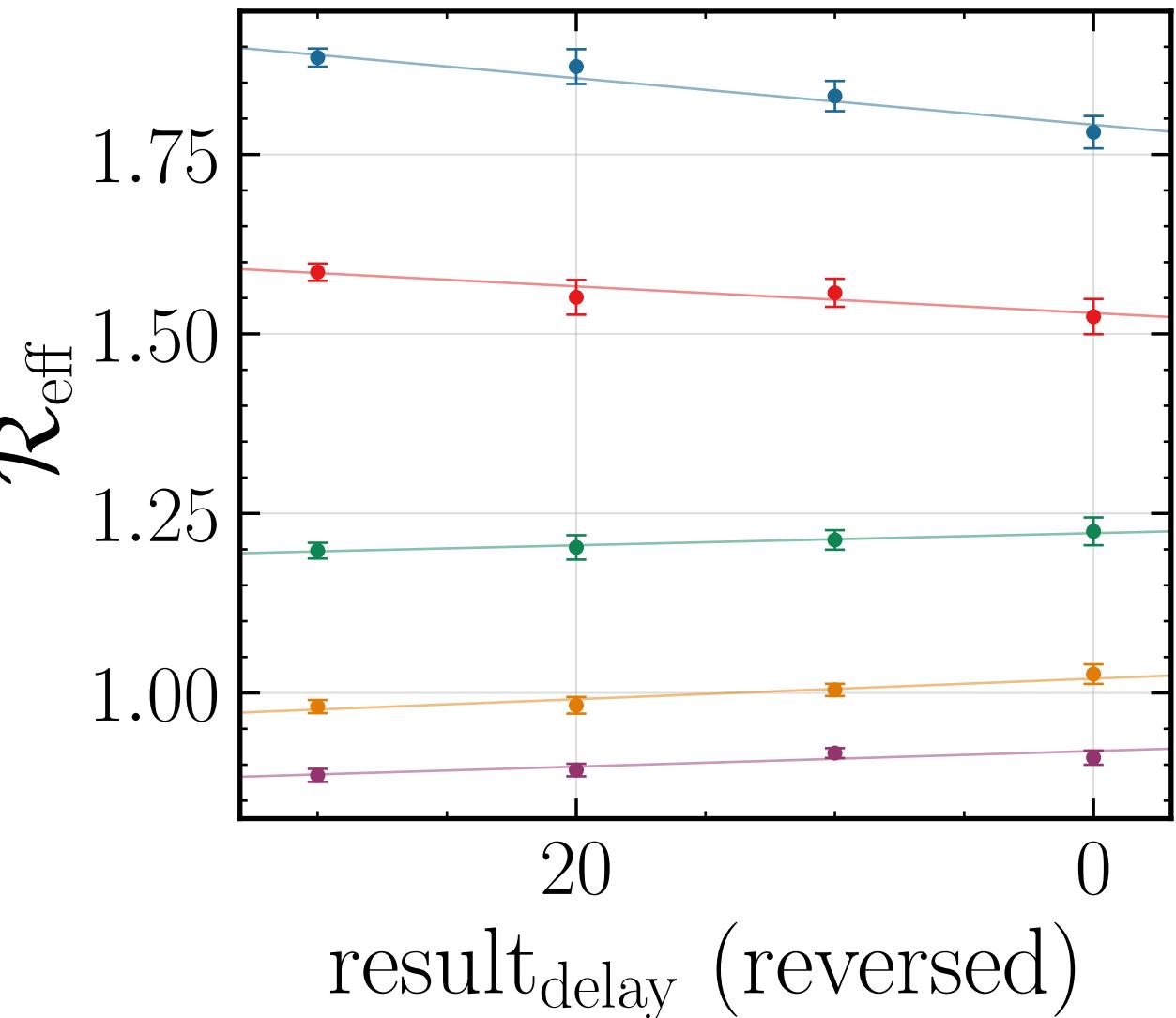
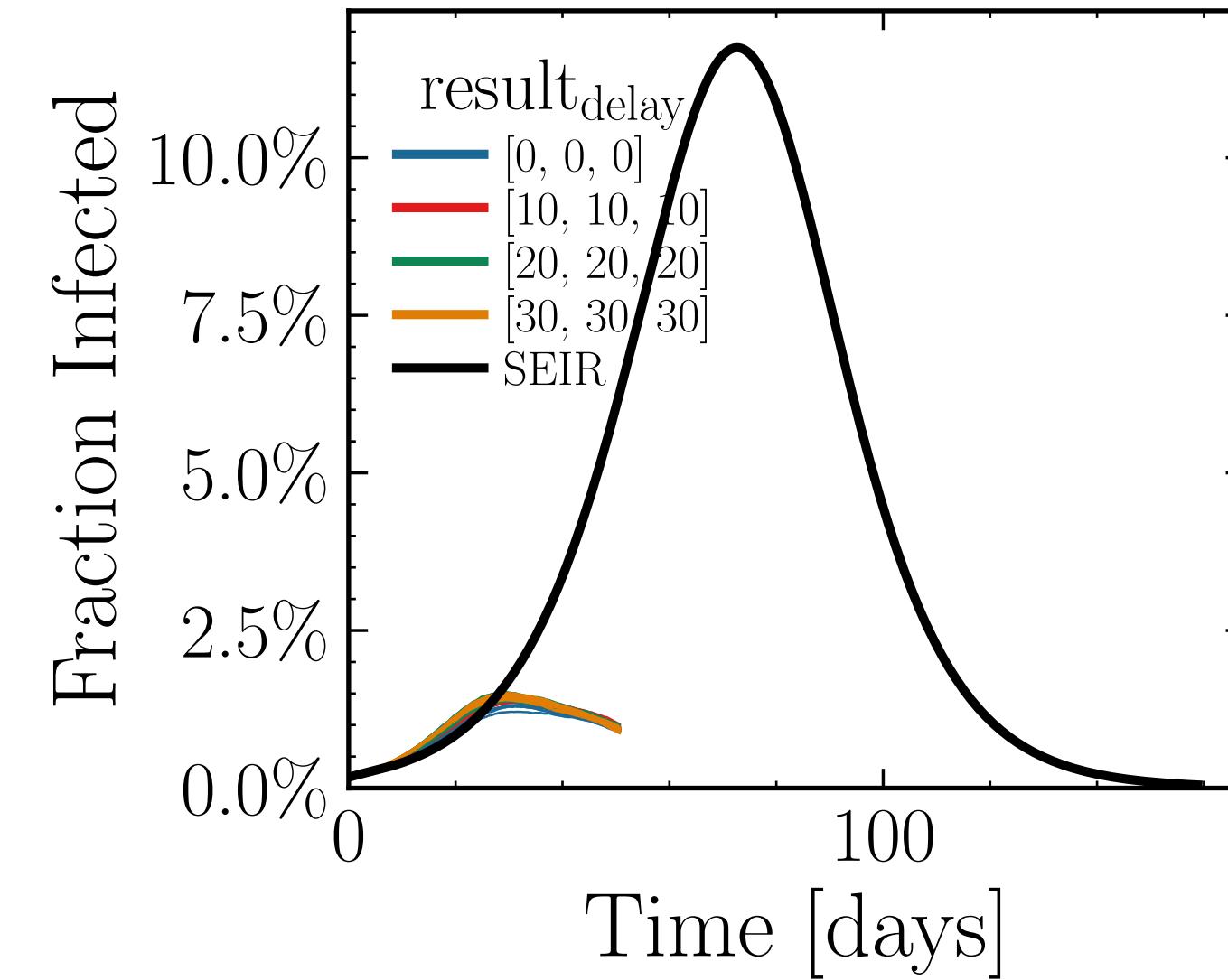
$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 19.8404$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.0088$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 2K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 0.5$ , rand.inf. = True, w.rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$ ,  $f_{\text{work/other}} = 0.5041$ ,  $N_{\text{contacts max}} = 0$   
 $N_{\text{events}} = 2.01K$ , event<sub>size<sub>max</sub></sub> = 10, event<sub>size<sub>mean</sub></sub> = 3.1945, event <sub>$\beta$  scaling</sub> = 5.0, event<sub>weekend multiplier</sub> = 2.0  
do<sub>int.</sub> = True, int. = [3, 4, 5, 6],  $f_{\text{dailytests}} = 0.01$ , test<sub>delay</sub> = [0, 0, 25]  
chance<sub>find.inf.</sub> = [0.0, 0.15, 0.15, 0.15, 0.0], days<sub>look.back</sub> = 7, tracking<sub>delay</sub> = 10



$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 14.114$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.0127$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 2K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 0.5$ , rand.inf. = True, w.rand.inf. = True,  $N_{\text{connect}}^{\text{retries}} = 0$ ,  $f_{\text{work/other}} = 0.456$ ,  $N_{\text{contacts}_{\max}} = 0$   
 $N_{\text{events}} = 3.71K$ , event<sub>size<sub>max</sub></sub> = 10, event<sub>size<sub>mean</sub></sub> = 4.7299, event <sub>$\beta$ scaling</sub> = 5.0, event<sub>weekendmultiplier</sub> = 2.0  
do<sub>int.</sub> = True, int. = [3, 4, 5, 6],  $f_{\text{dailytests}} = 0.01$ , test<sub>delay</sub> = [0, 0, 25]  
chancefind.inf. = [0.0, 0.15, 0.15, 0.15, 0.0], days<sub>look.back</sub> = 7, tracking<sub>delay</sub> = 10

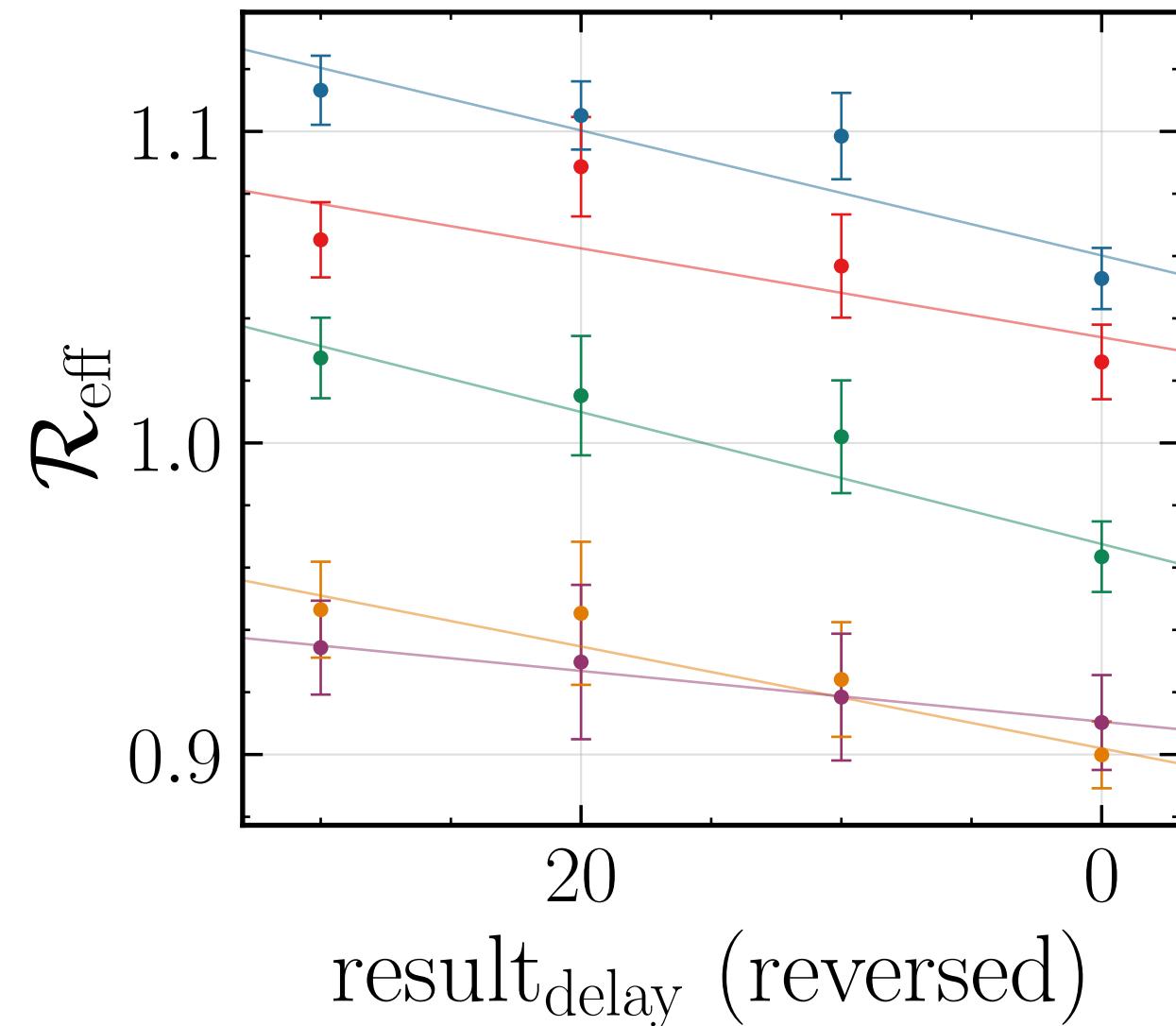
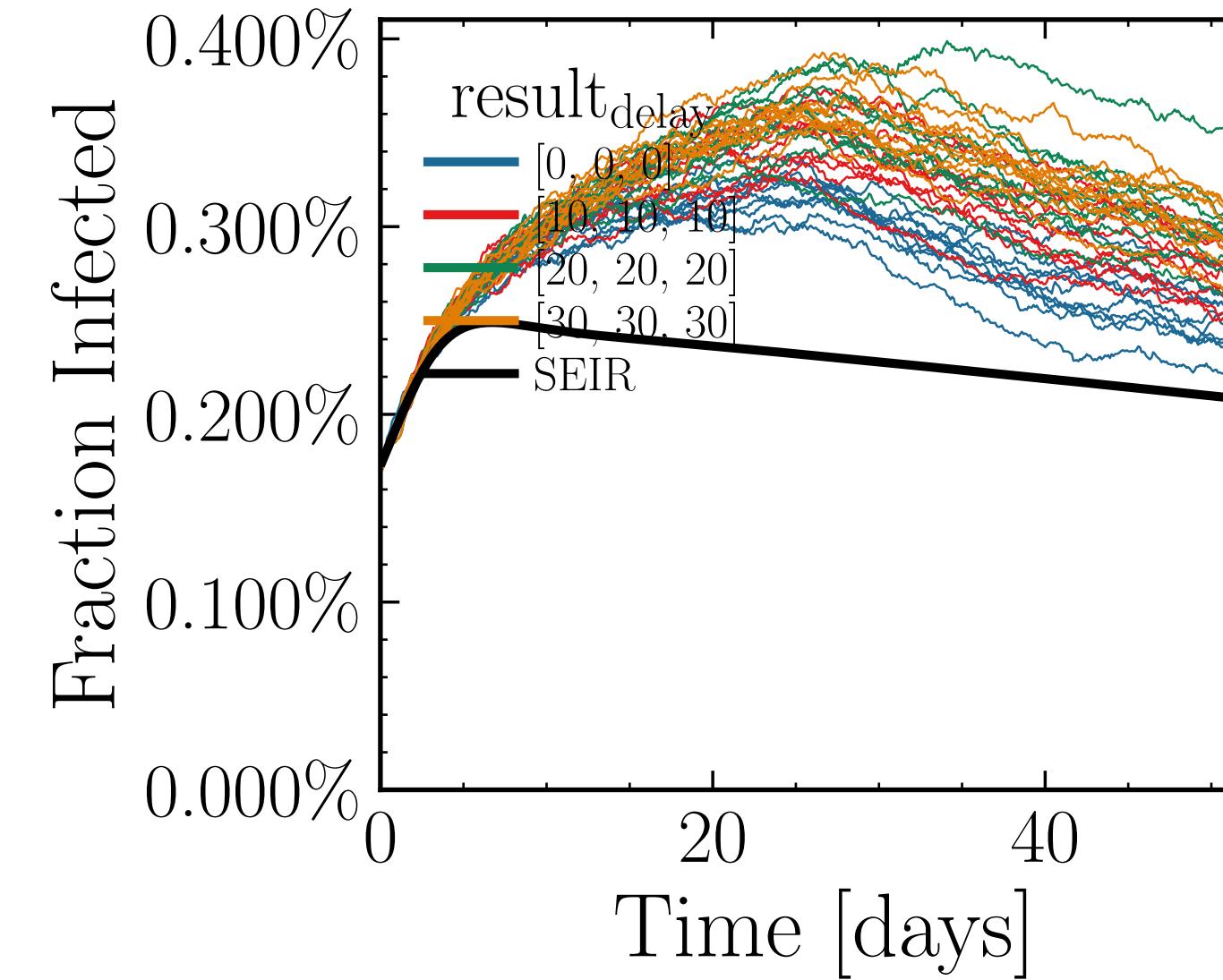


$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 19.1948$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.0122$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 2K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 0.5$ , rand.inf. = True, w.rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$ ,  $f_{\text{work/other}} = 0.6857$ ,  $N_{\text{contacts}_{\max}} = 0$   
 $N_{\text{events}} = 4.78K$ , event<sub>size<sub>max</sub></sub> = 10, event<sub>size<sub>mean</sub></sub> = 3.2005, event <sub>$\beta$ scaling</sub> = 5.0, event<sub>weekendmultiplier</sub> = 2.0  
do<sub>int.</sub> = True, int. = [3, 4, 5, 6],  $f_{\text{dailytests}} = 0.01$ , test<sub>delay</sub> = [0, 0, 25]  
chance<sub>find.inf.</sub> = [0.0, 0.15, 0.15, 0.15, 0.0], days<sub>look.back</sub> = 7, tracking<sub>delay</sub> = 10

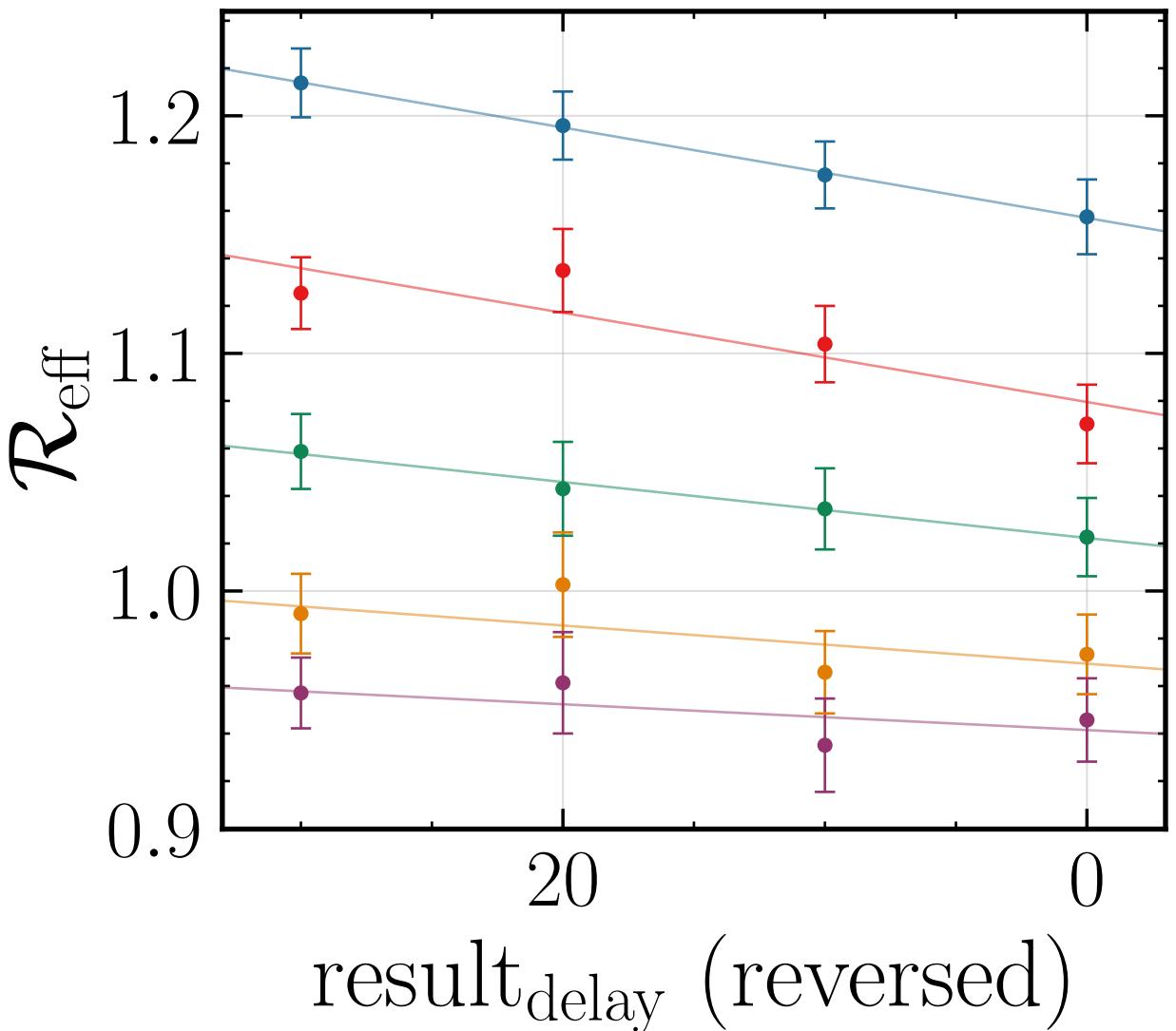
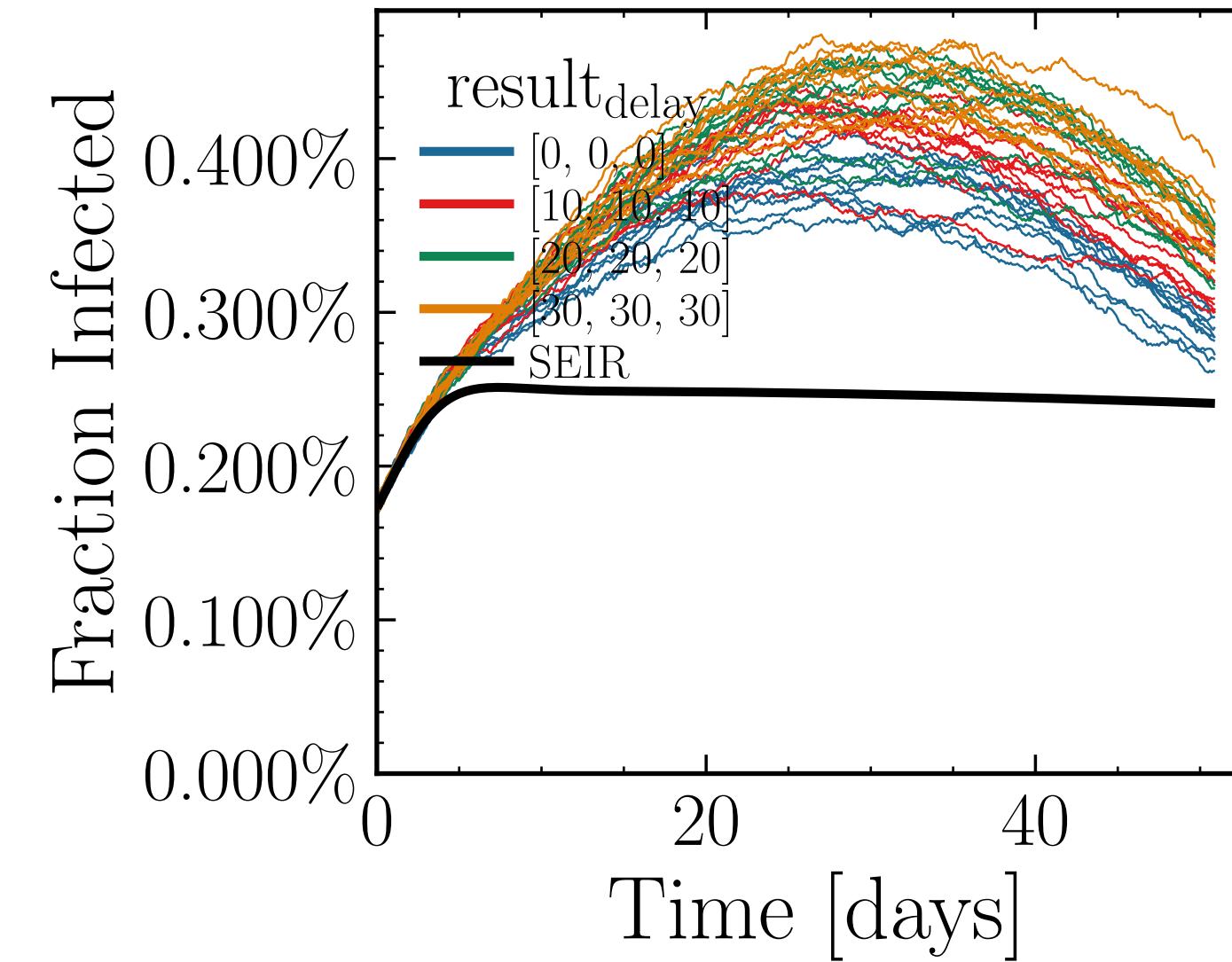


Day	$a$	error
20	$0.0032 \pm 0.0008$	$\pm 0.0008$
25	$0.0019 \pm 0.0008$	$\pm 0.0008$
30	$-0.0008 \pm 0.0006$	$\pm 0.0006$
35	$-0.0014 \pm 0.0005$	$\pm 0.0005$
40	$-0.0011 \pm 0.0004$	$\pm 0.0004$

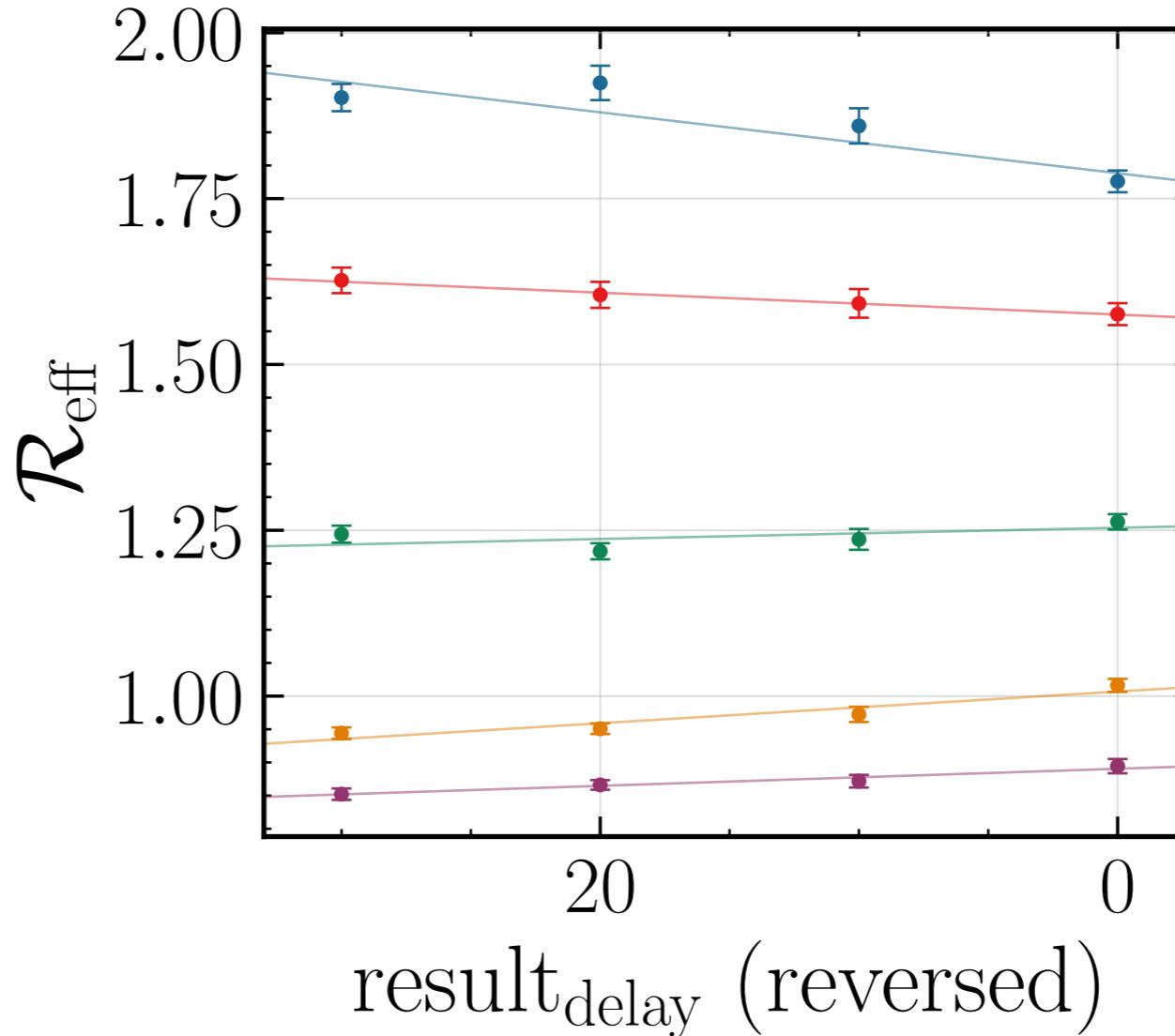
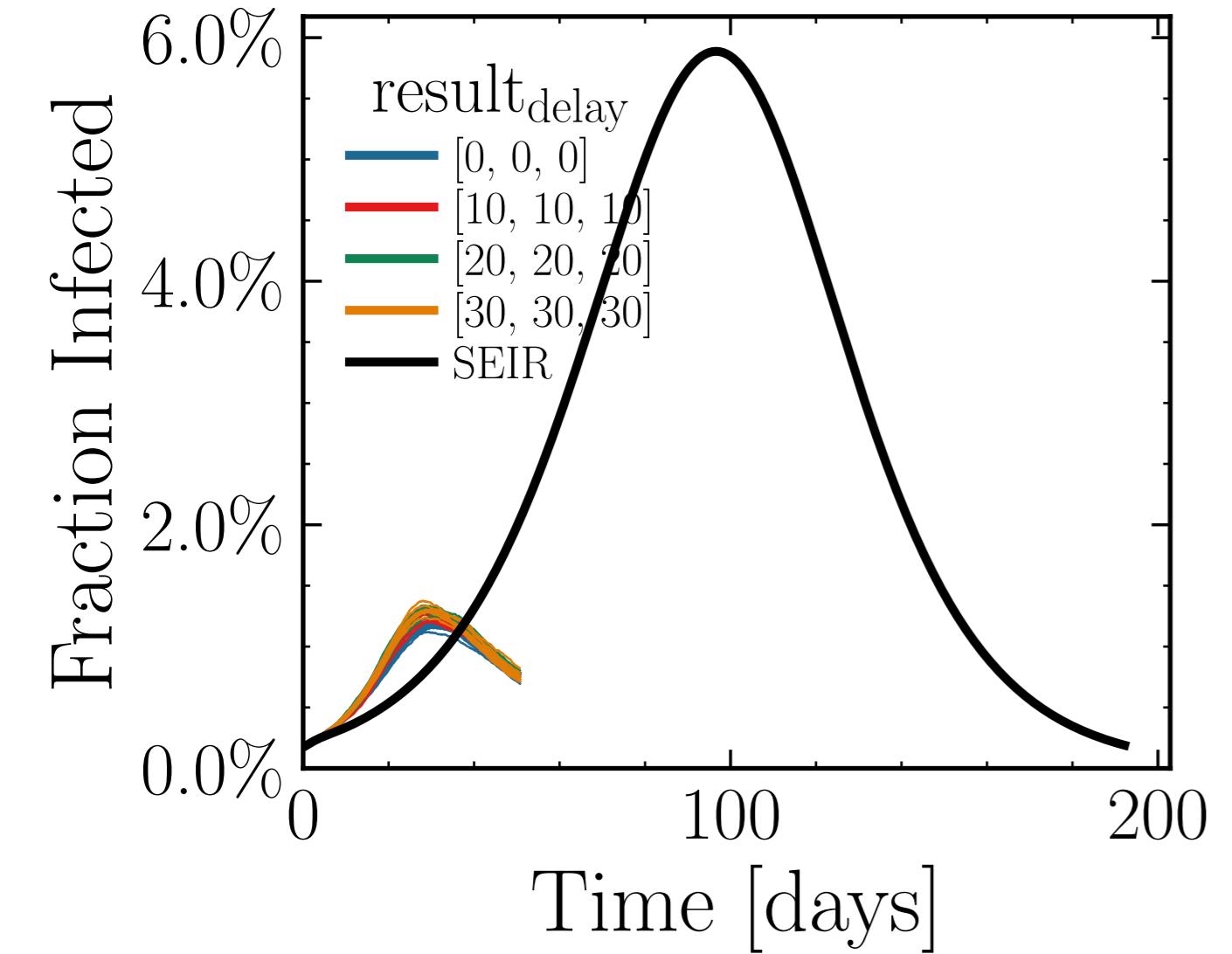
$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 14.5354$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.0084$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 2K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 0.5$ , rand.inf. = True, w.rand.inf. = True,  $N_{\text{connect}} = 0$ ,  $f_{\text{work/other}} = 0.6888$ ,  $N_{\text{contacts}_{\max}} = 0$   
 $N_{\text{events}} = 1.81K$ ,  $\text{event}_{\text{size}_{\max}} = 10$ ,  $\text{event}_{\text{size}_{\text{mean}}} = 4.3949$ ,  $\text{event}_{\beta_{\text{scaling}}} = 5.0$ ,  $\text{event}_{\text{weekend}_{\text{multiplier}}} = 2.0$   
do\_int. = True, int. = [3, 4, 5, 6],  $f_{\text{dailytests}} = 0.01$ , test\_delay = [0, 0, 25]  
chance\_fnd.inf. = [0.0, 0.15, 0.15, 0.15, 0.0], days\_look.back = 7, tracking\_delay = 10



$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 12.3074$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.0102$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 2K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 0.5$ , rand.inf. = True, w.rand.inf. = True,  $N_{\text{connect}} = 0$ ,  $f_{\text{work/other}} = 0.706$ ,  $N_{\text{contacts}_{\max}} = 0$   
 $N_{\text{events}} = 3.92K$ ,  $\text{event}_{\text{size}_{\max}} = 10$ ,  $\text{event}_{\text{size}_{\text{mean}}} = 3.0333$ ,  $\text{event}_{\beta_{\text{scaling}}} = 5.0$ ,  $\text{event}_{\text{weekend}_{\text{multiplier}}} = 2.0$   
do\_int. = True, int. = [3, 4, 5, 6],  $f_{\text{dailytests}} = 0.01$ , test\_delay = [0, 0, 25]  
chance\_fnd.inf. = [0.0, 0.15, 0.15, 0.15, 0.0], days\_look.back = 7, tracking\_delay = 10

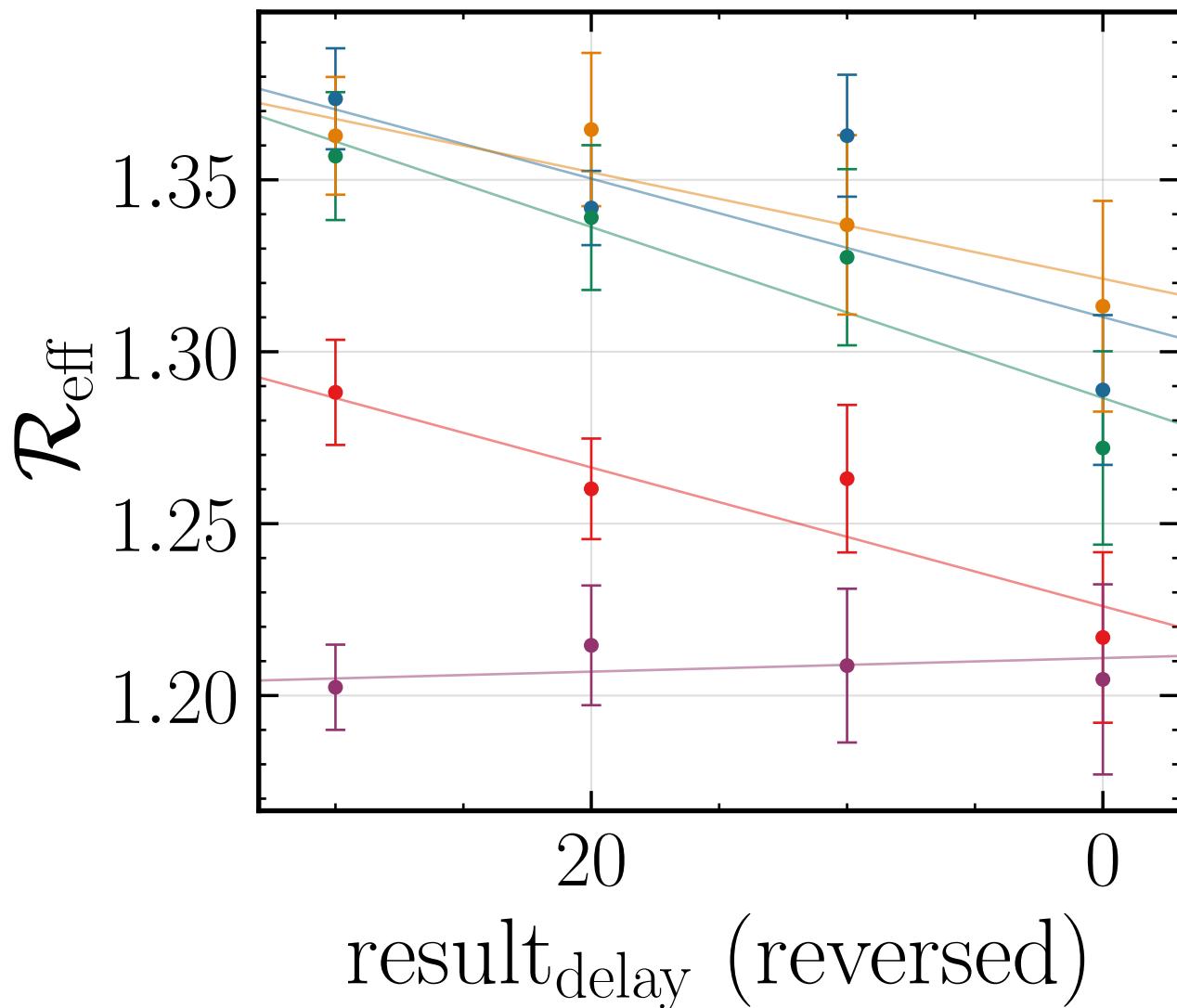
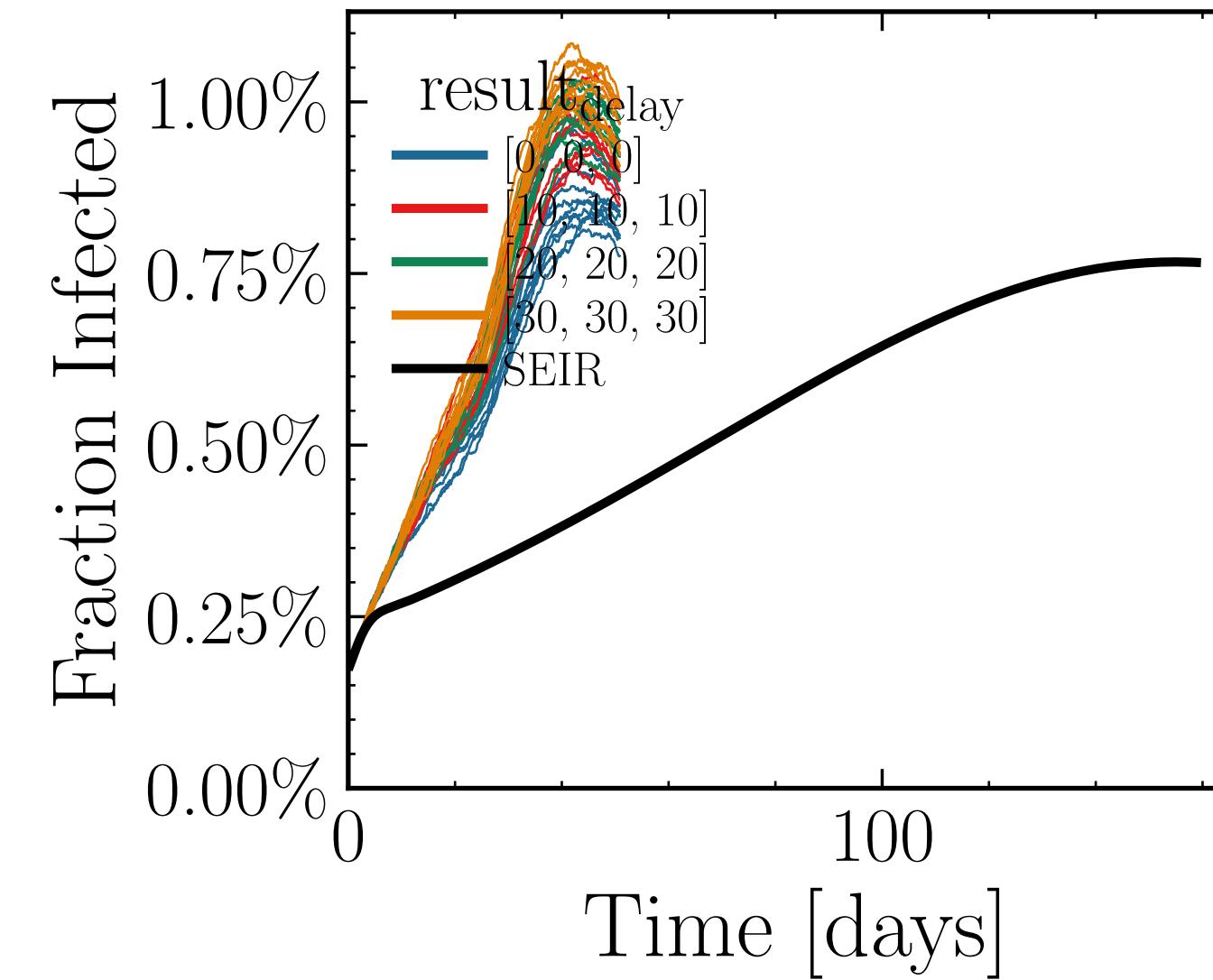


$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 15.2104$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.0124$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 2K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 0.5$ , rand.inf. = True, w.rand.inf. = True,  $N_{\text{connect}}^{\text{retries}} = 0$ ,  $f_{\text{work/other}} = 0.4217$ ,  $N_{\text{contacts}_{\text{max}}} = 0$   
 $N_{\text{events}} = 2.08K$ , event<sub>size<sub>max</sub></sub> = 10, event<sub>size<sub>mean</sub></sub> = 3.3433, event <sub>$\beta_{\text{scaling}}$</sub>  = 5.0, event<sub>weekend<sub>multiplier</sub></sub> = 2.0  
do<sub>int.</sub> = True, int. = [3, 4, 5, 6],  $f_{\text{dailytests}} = 0.01$ , test<sub>delay</sub> = [0, 0, 25]  
chance<sub>find.inf.</sub> = [0.0, 0.15, 0.15, 0.15, 0.0], days<sub>look.back</sub> = 7, tracking<sub>delay</sub> = 10



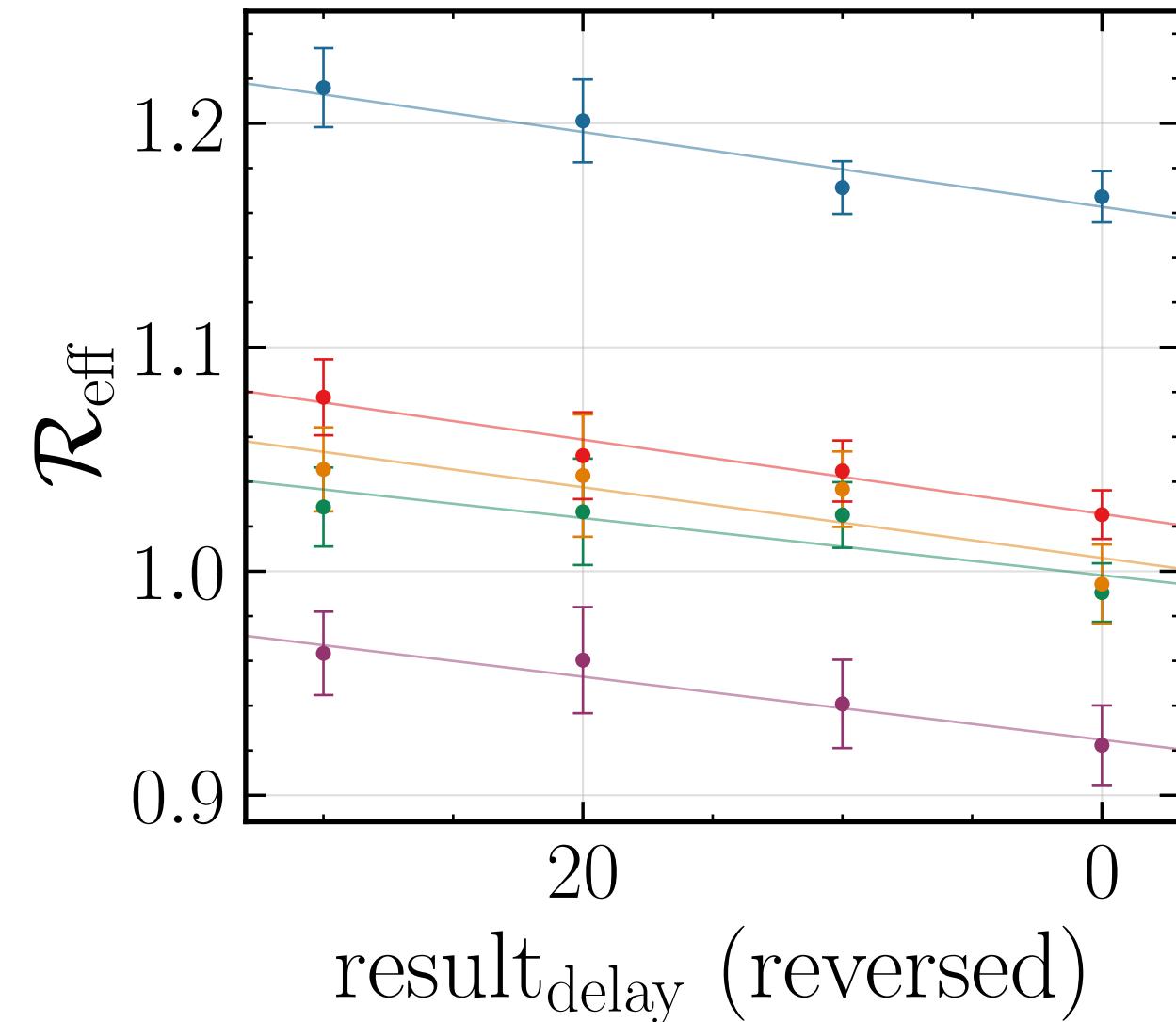
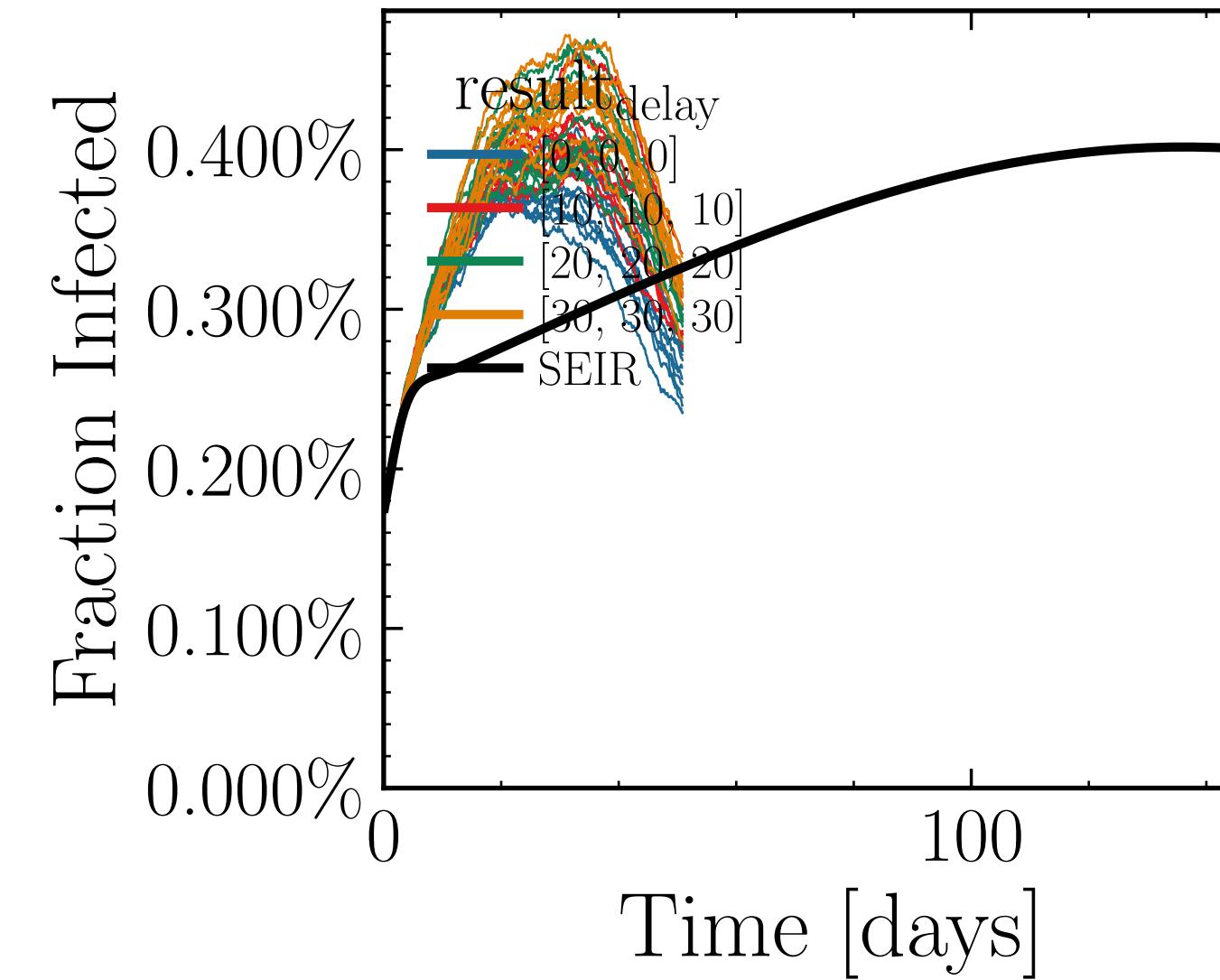
Day	a (approx.)	error (approx.)
20	0.0046	0.0008
25	0.0016	0.0008
30	-0.0008	0.0005
35	-0.0024	0.0004
40	-0.0013	0.0004

$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 10.3184$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.0136$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 2K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 0.5$ , rand.inf. = True, w.rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$ ,  $f_{\text{work/other}} = 0.4659$ ,  $N_{\text{contacts max}} = 0$   
 $N_{\text{events}} = 2.28K$ , event<sub>size<sub>max</sub></sub> = 10, event<sub>size<sub>mean</sub></sub> = 4.4088, event <sub>$\beta$  scaling</sub> = 5.0, event<sub>weekend multiplier</sub> = 2.0  
do<sub>int.</sub> = True, int. = [3, 4, 5, 6],  $f_{\text{dailytests}} = 0.01$ , test<sub>delay</sub> = [0, 0, 25]  
chance<sub>find.inf.</sub> = [0.0, 0.15, 0.15, 0.15, 0.0], days<sub>look.back</sub> = 7, tracking<sub>delay</sub> = 10



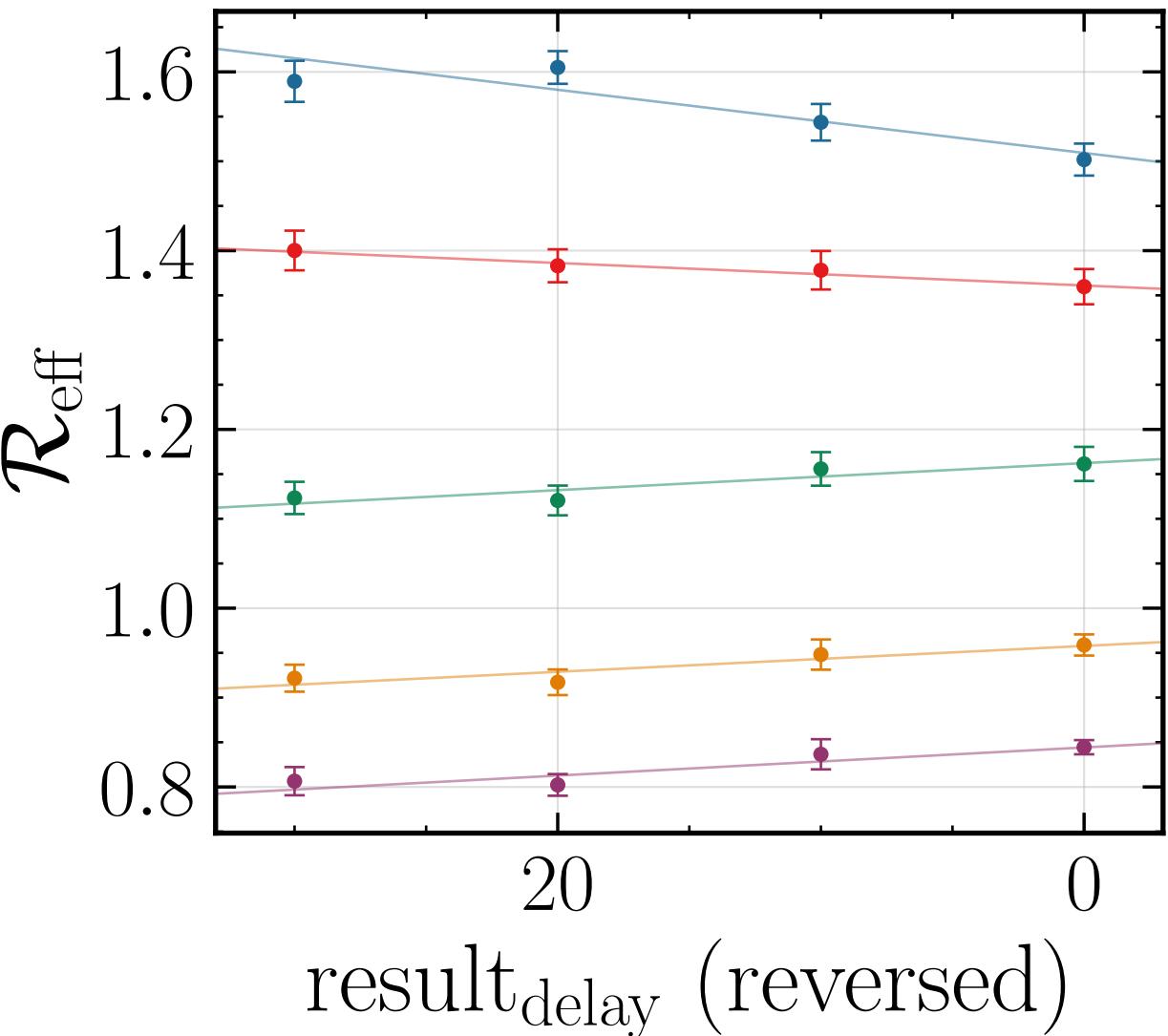
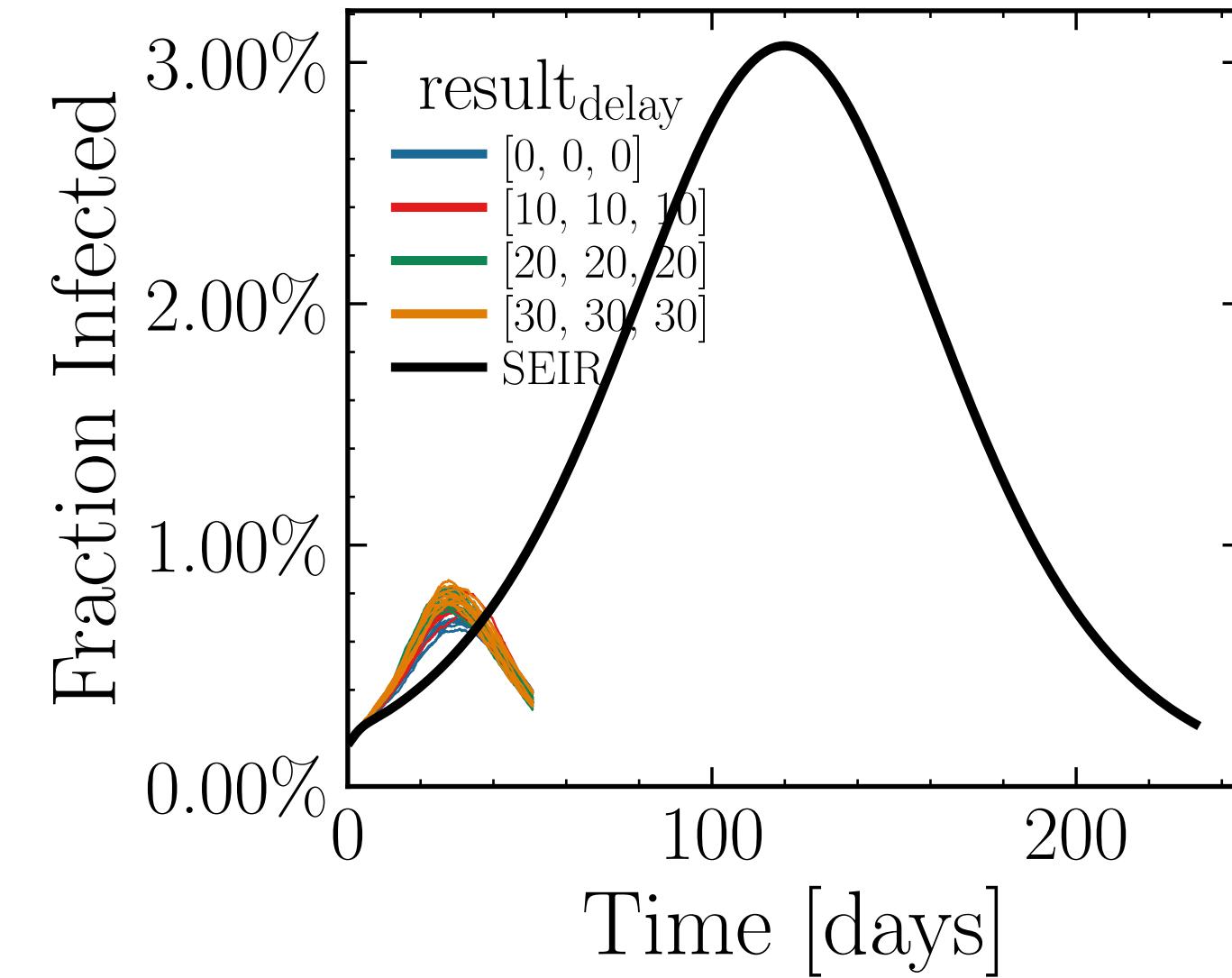
Day: 20, a=0.0020 ± 0.0008
Day: 25, a=0.0020 ± 0.0009
Day: 30, a=0.002 ± 0.001
Day: 35, a=0.002 ± 0.001
Day: 40, a=-0.0002 ± 0.0009

$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 14.6345$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.0091$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 2K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 0.5$ , rand.inf. = True, w.rand.inf. = True,  $N_{\text{connect}} = 0$ ,  $f_{\text{work/other}} = 0.7498$ ,  $N_{\text{contacts}_{\max}} = 0$   
 $N_{\text{events}} = 3.28K$ , event<sub>size<sub>max</sub></sub> = 10, event<sub>size<sub>mean</sub></sub> = 3.342, event <sub>$\beta$ scaling</sub> = 5.0, event<sub>weekendmultiplier</sub> = 2.0  
do<sub>int.</sub> = True, int. = [3, 4, 5, 6], f<sub>dailytests</sub> = 0.01, test<sub>delay</sub> = [0, 0, 25]  
chance<sub>find.inf.</sub> = [0.0, 0.15, 0.15, 0.15, 0.0], days<sub>look.back</sub> = 7, tracking<sub>delay</sub> = 10

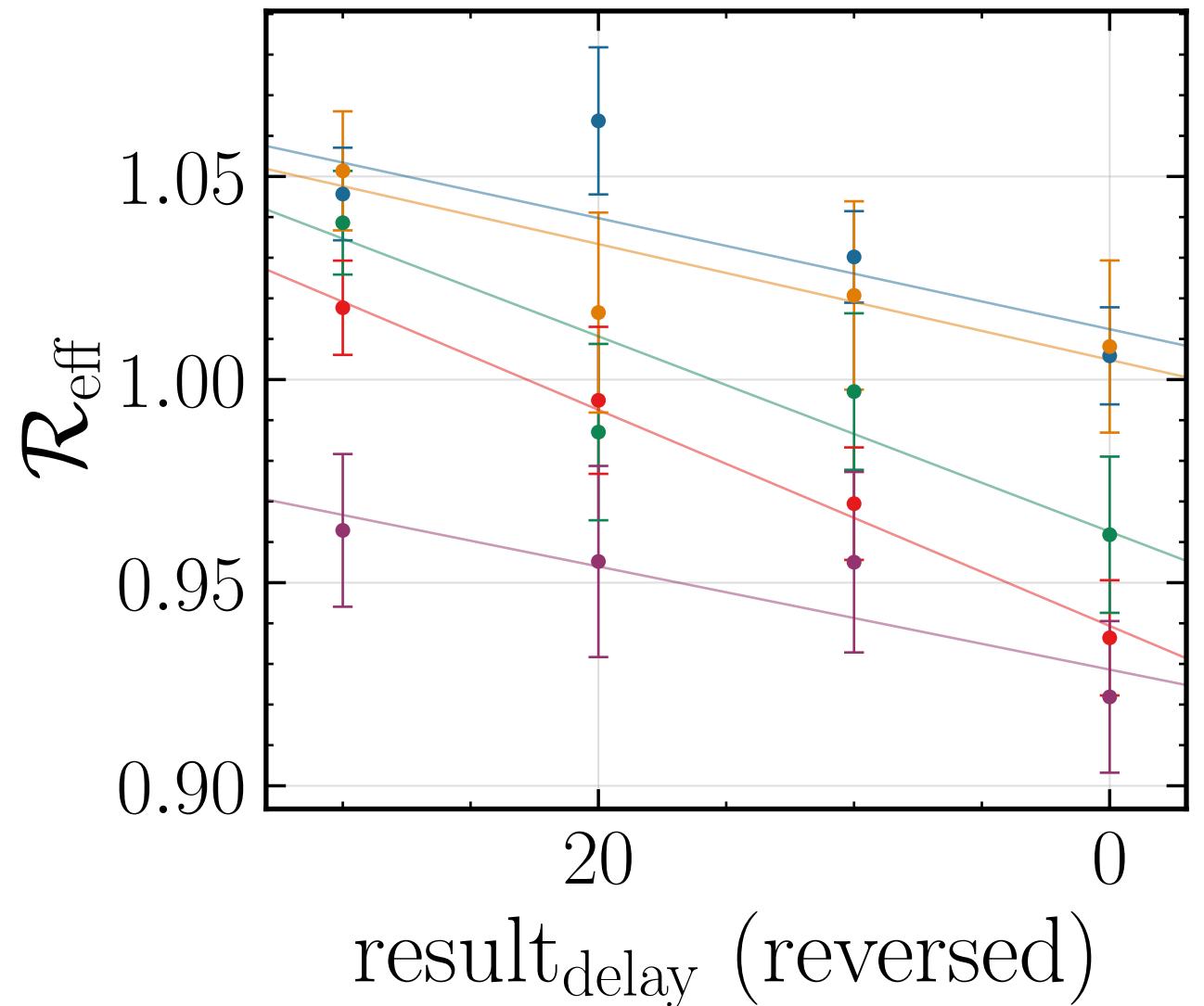
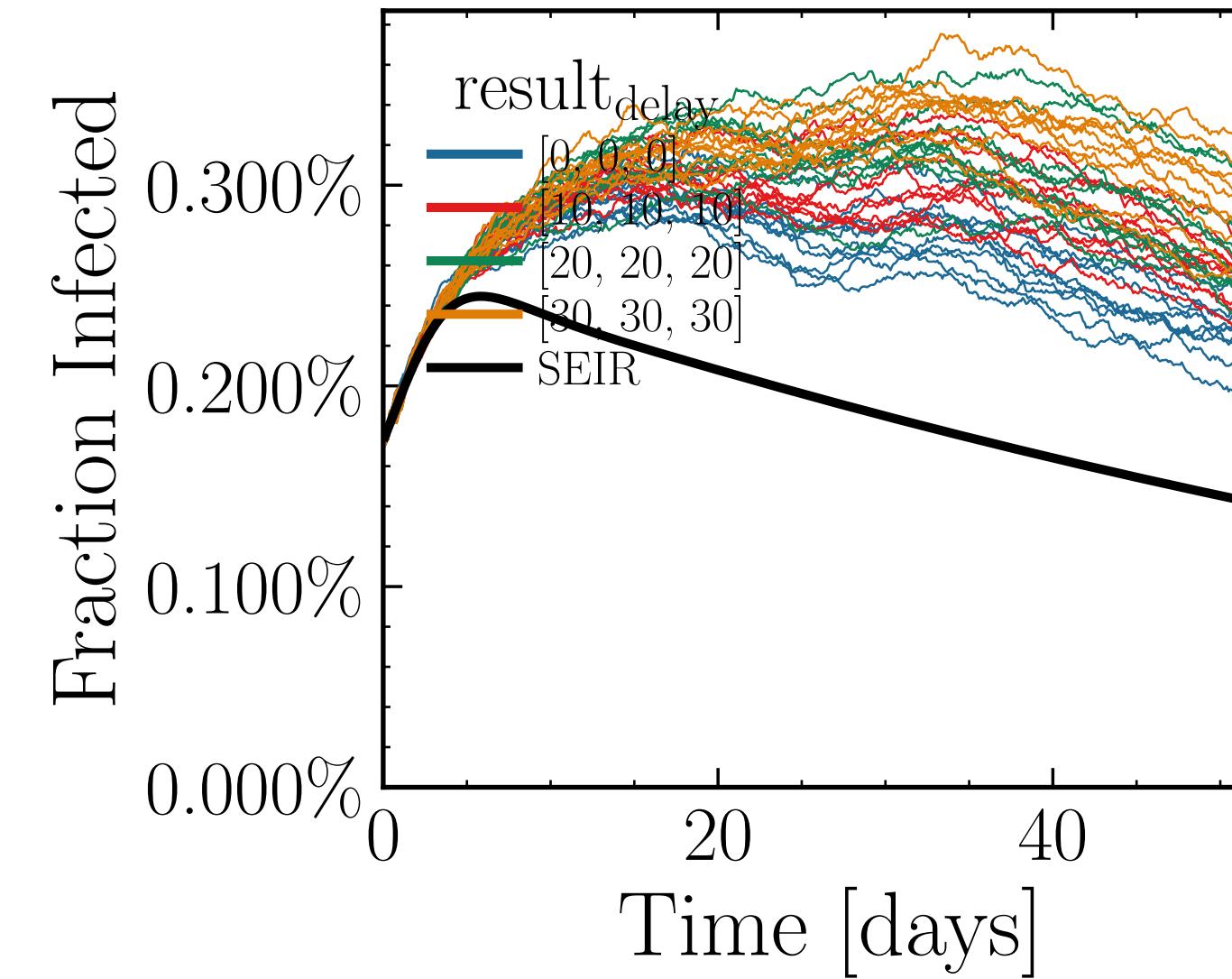


Day: 20,  $a=0.0017 \pm 0.0007$   
 Day: 25,  $a=0.0017 \pm 0.0006$   
 Day: 30,  $a=0.0013 \pm 0.0007$   
 Day: 35,  $a=0.0016 \pm 0.0008$   
 Day: 40,  $a=0.0014 \pm 0.0008$

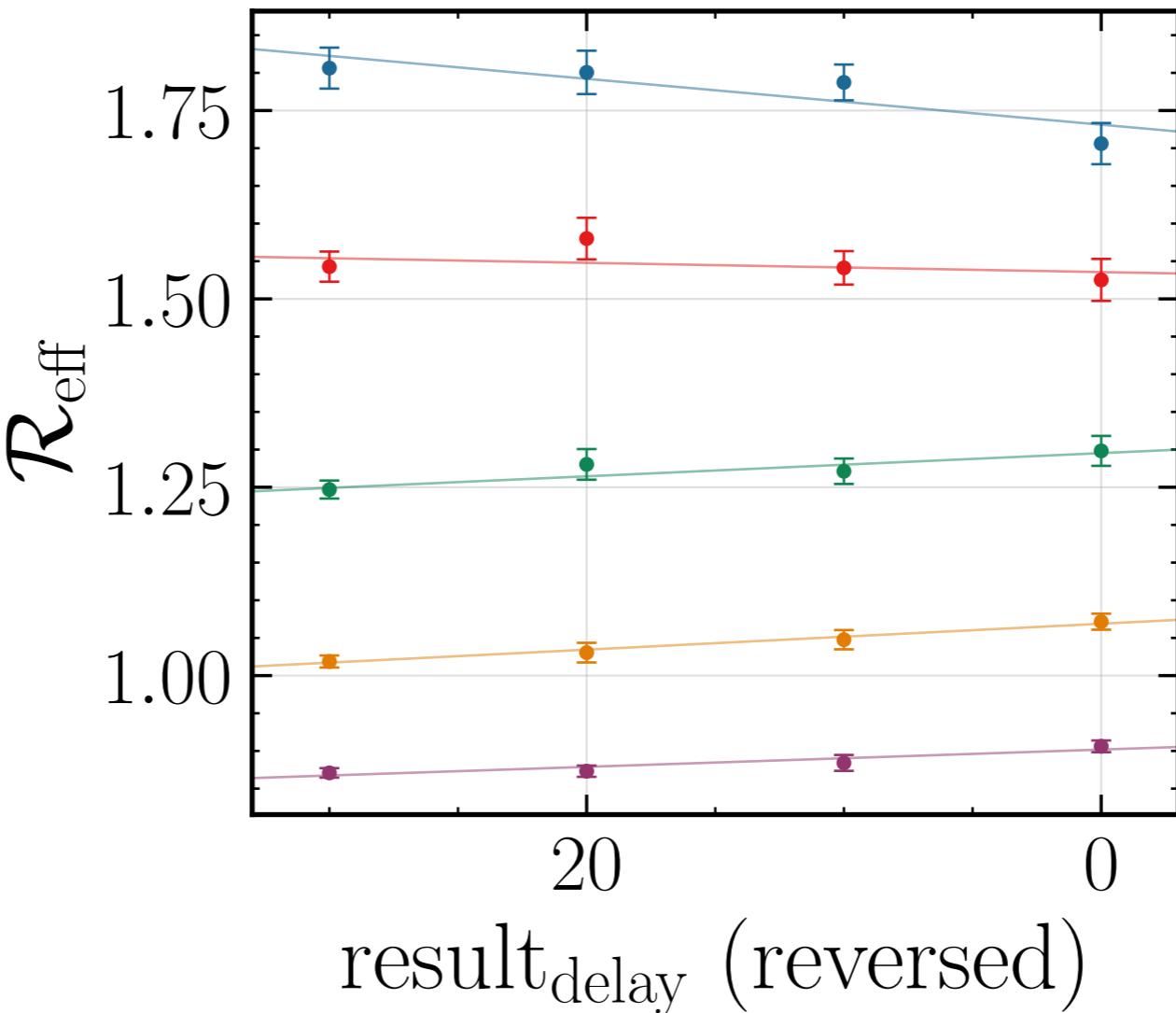
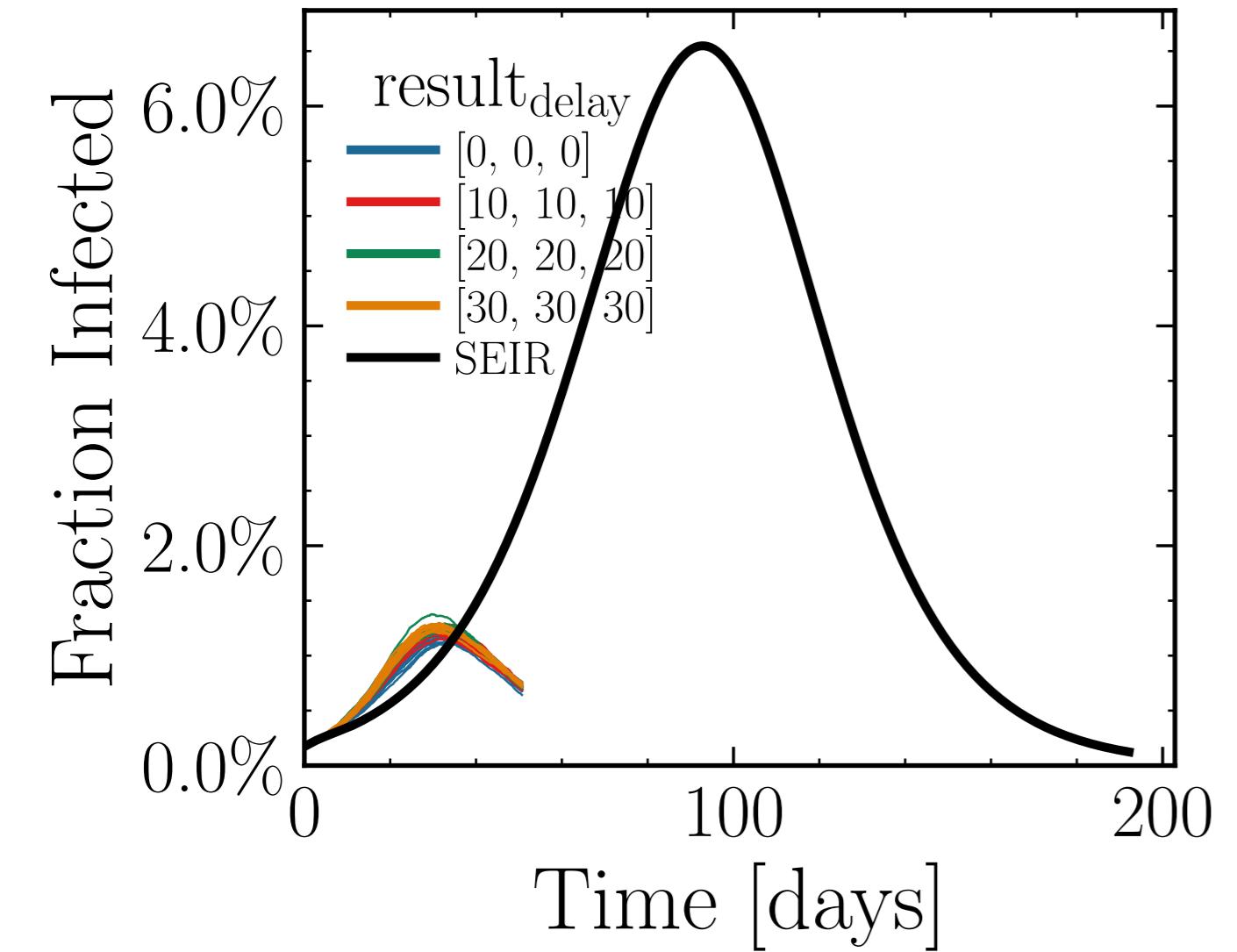
$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 19.924$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.0083$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 2K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 0.5$ , rand.inf. = True, w.rand.inf. = True,  $N_{\text{connect}}^{\text{retries}} = 0$ ,  $f_{\text{work/other}} = 0.5069$ ,  $N_{\text{contacts}_{\max}} = 0$   
 $N_{\text{events}} = 2.4K$ , event<sub>size<sub>max</sub></sub> = 10, event<sub>size<sub>mean</sub></sub> = 4.3982, event <sub>$\beta$ scaling</sub> = 5.0, event<sub>weekendmultiplier</sub> = 2.0  
do<sub>int.</sub> = True, int. = [3, 4, 5, 6],  $f_{\text{dailytests}} = 0.01$ , test<sub>delay</sub> = [0, 0, 25]  
chance<sub>find.inf.</sub> = [0.0, 0.15, 0.15, 0.15, 0.0], days<sub>look.back</sub> = 7, tracking<sub>delay</sub> = 10



$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 12.1875$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.0093$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 2K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 0.5$ , rand.inf. = True, w.rand.inf. = True,  $N_{\text{connect}} = 0$ ,  $f_{\text{work/other}} = 0.6278$ ,  $N_{\text{contacts}_{\max}} = 0$   
 $N_{\text{events}} = 1.22K$ ,  $\text{event}_{\text{size}_{\max}} = 10$ ,  $\text{event}_{\text{size}_{\text{mean}}} = 3.4449$ ,  $\text{event}_{\beta_{\text{scaling}}} = 5.0$ ,  $\text{event}_{\text{weekend}_{\text{multiplier}}} = 2.0$   
do\_int. = True, int. = [3, 4, 5, 6],  $f_{\text{dailytests}} = 0.01$ , test\_delay = [0, 0, 25]  
chance\_fnd.inf. = [0.0, 0.15, 0.15, 0.15, 0.0], days\_look.back = 7, tracking\_delay = 10

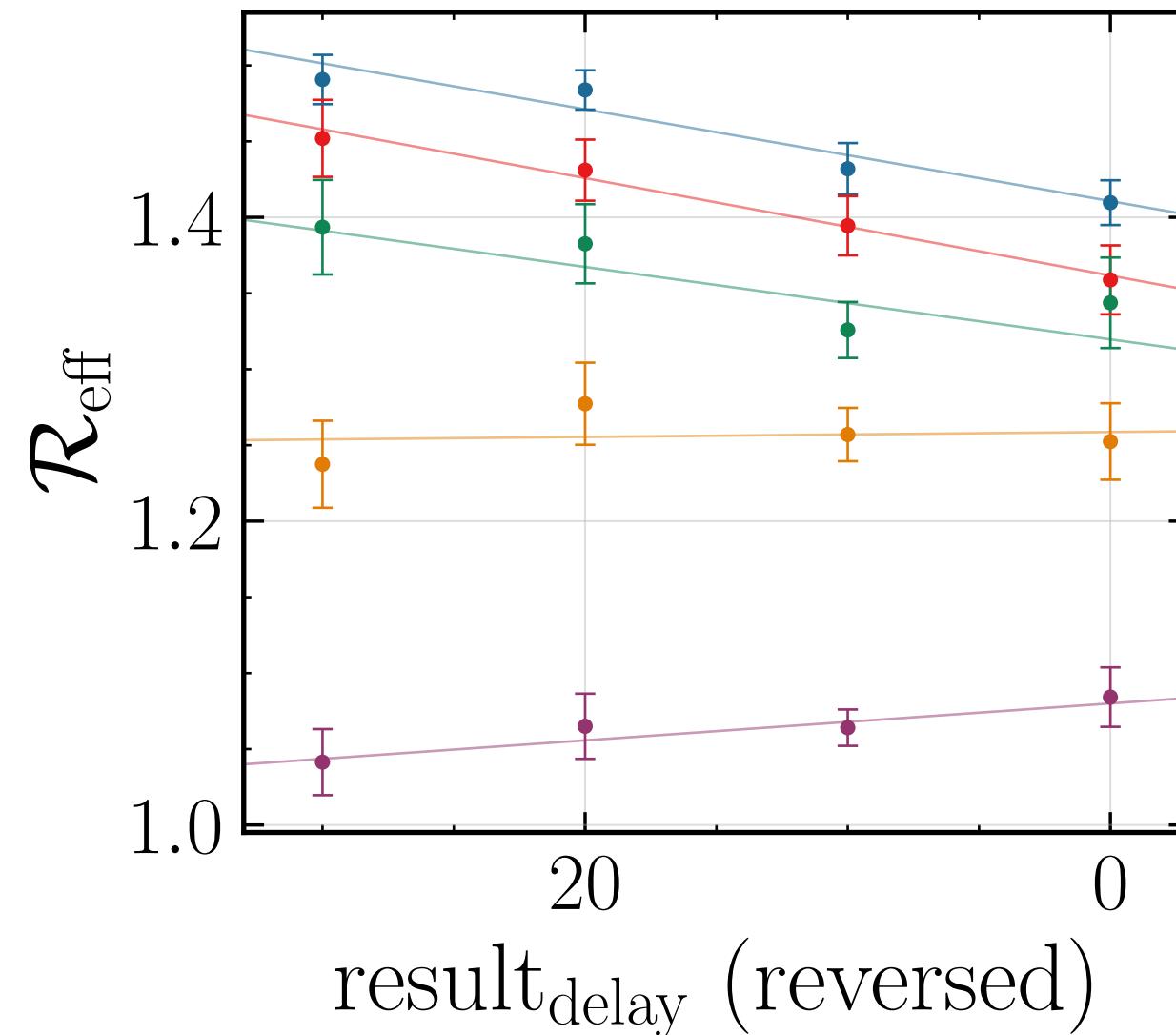
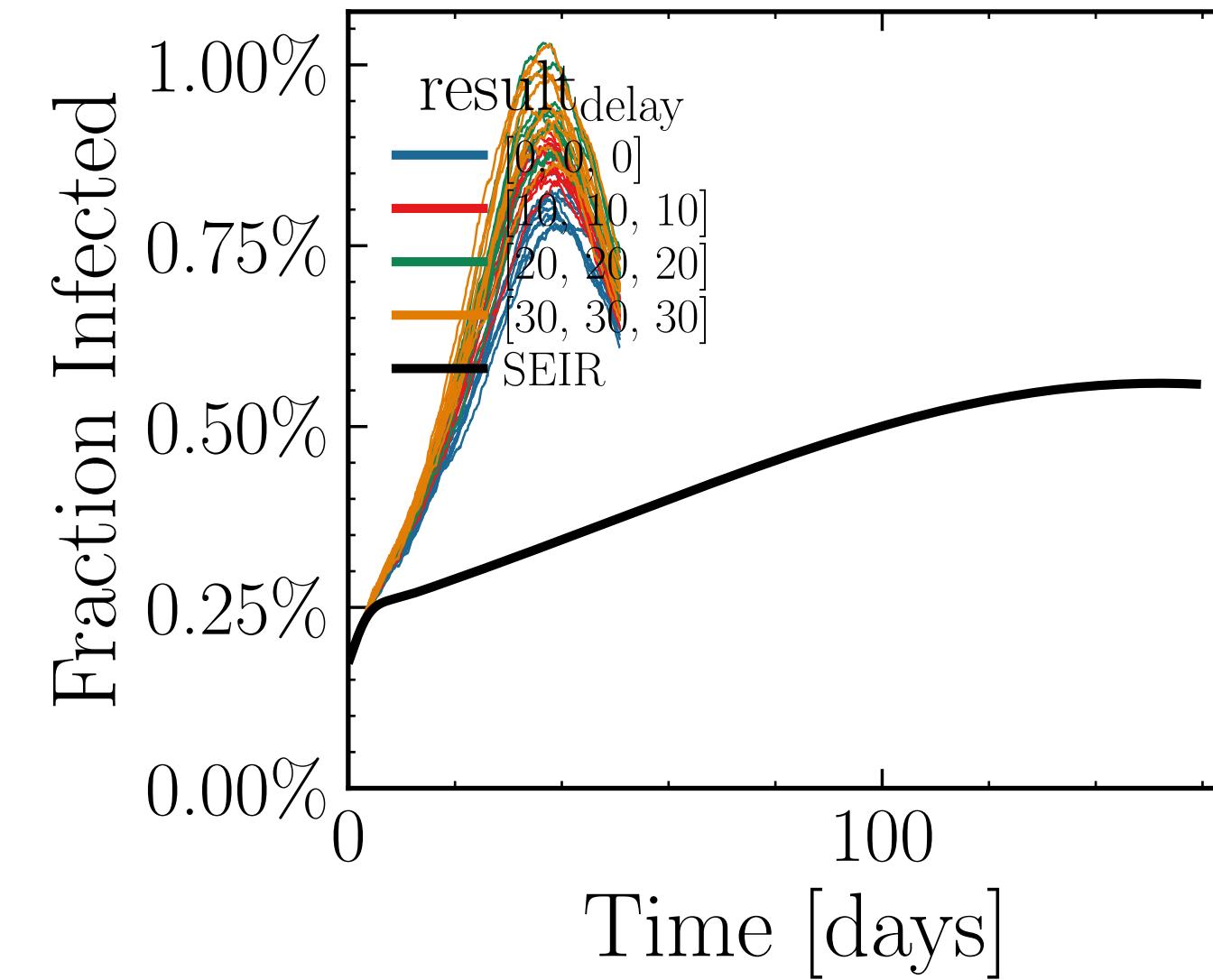


$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 17.3012$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.0112$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 2K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 0.5$ , rand.inf. = True, w.rand.inf. = True,  $N_{\text{connect}}^{\text{retries}} = 0$ ,  $f_{\text{work/other}} = 0.5248$ ,  $N_{\text{contacts}_{\max}} = 0$   
 $N_{\text{events}} = 1.51K$ , event<sub>size<sub>max</sub></sub> = 10, event<sub>size<sub>mean</sub></sub> = 4.1798, event <sub>$\beta$ scaling</sub> = 5.0, event<sub>weekendmultiplier</sub> = 2.0  
do<sub>int.</sub> = True, int. = [3, 4, 5, 6],  $f_{\text{dailytests}} = 0.01$ , test<sub>delay</sub> = [0, 0, 25]  
chance<sub>find.inf.</sub> = [0.0, 0.15, 0.15, 0.15, 0.0], days<sub>look.back</sub> = 7, tracking<sub>delay</sub> = 10



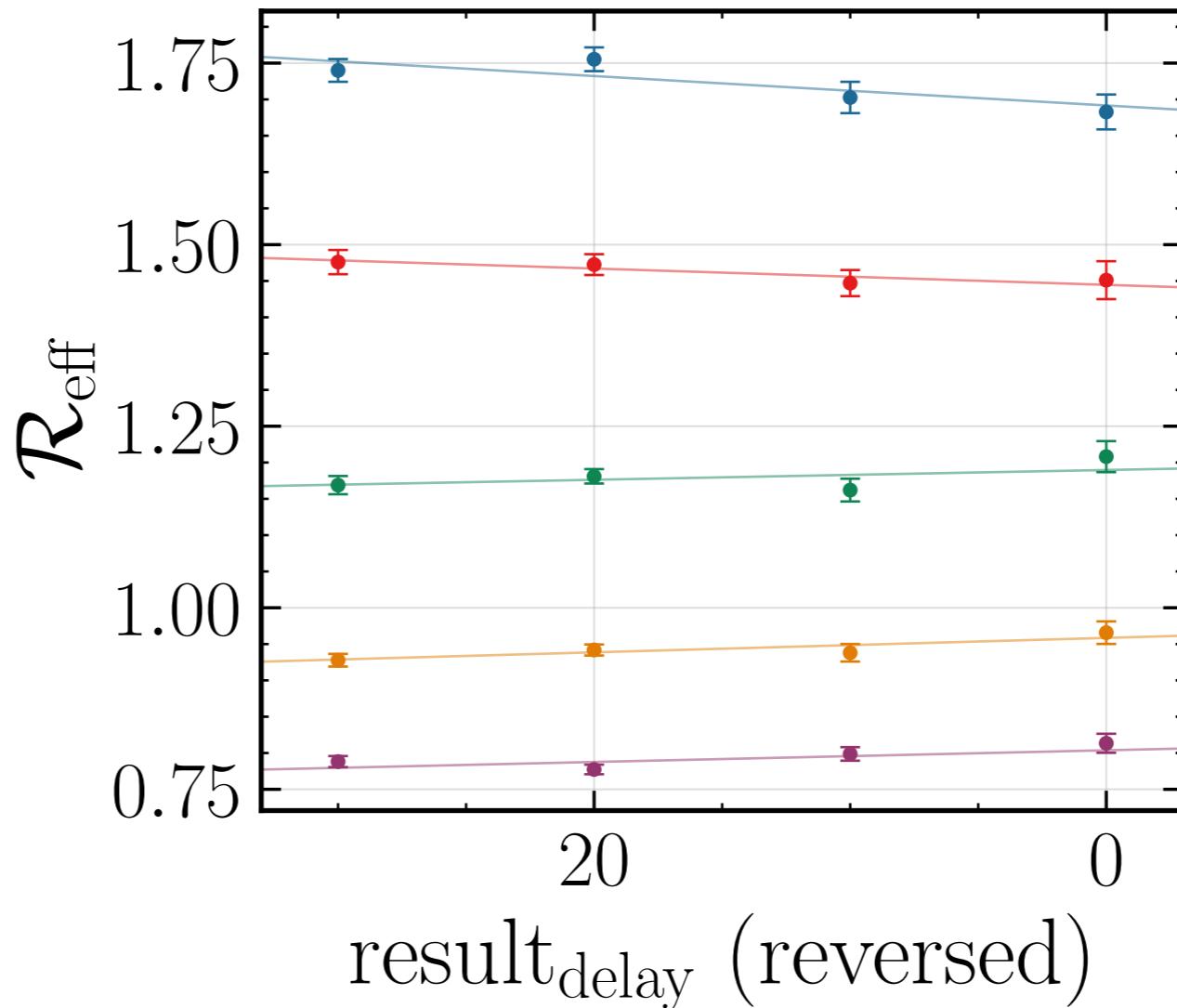
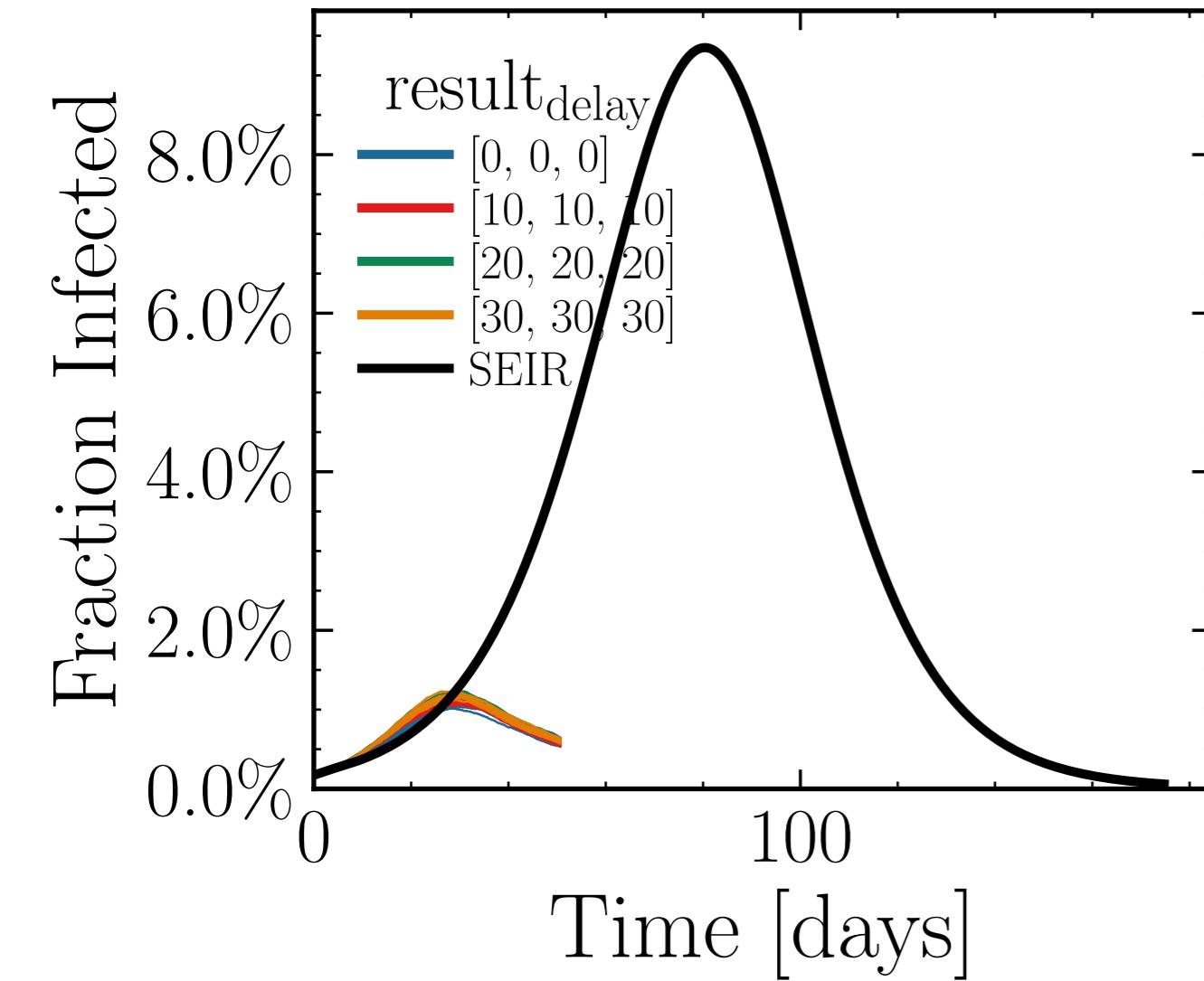
Day: 20,  $a = 0.003 \pm 0.001$   
 Day: 25,  $a = 0.001 \pm 0.001$   
 Day: 30,  $a = -0.0015 \pm 0.0007$   
 Day: 35,  $a = -0.0017 \pm 0.0004$   
 Day: 40,  $a = -0.0011 \pm 0.0003$

$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 12.5436$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.0109$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 2K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 0.5$ , rand.inf. = True, w.rand.inf. = True,  $N_{\text{connect}}^{\text{retries}} = 0$ ,  $f_{\text{work/other}} = 0.4232$ ,  $N_{\text{contacts}_{\max}} = 0$   
 $N_{\text{events}} = 3.81K$ , event<sub>size<sub>max</sub></sub> = 10, event<sub>size<sub>mean</sub></sub> = 3.4548, event <sub>$\beta$ scaling</sub> = 5.0, event<sub>weekendmultiplier</sub> = 2.0  
do<sub>int.</sub> = True, int. = [3, 4, 5, 6],  $f_{\text{dailytests}} = 0.01$ , test<sub>delay</sub> = [0, 0, 25]  
chancefind.inf. = [0.0, 0.15, 0.15, 0.15, 0.0], days<sub>look.back</sub> = 7, tracking<sub>delay</sub> = 10



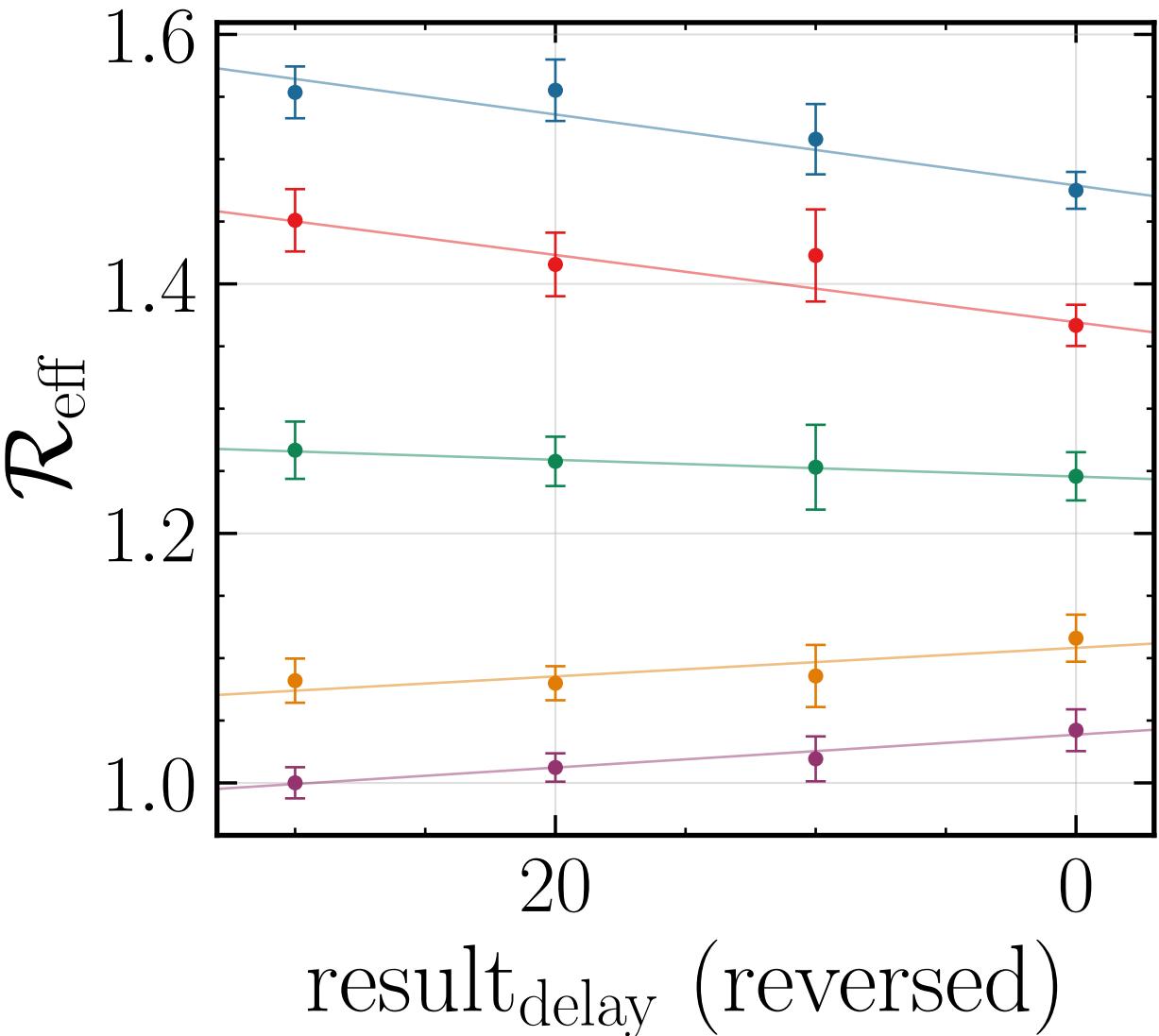
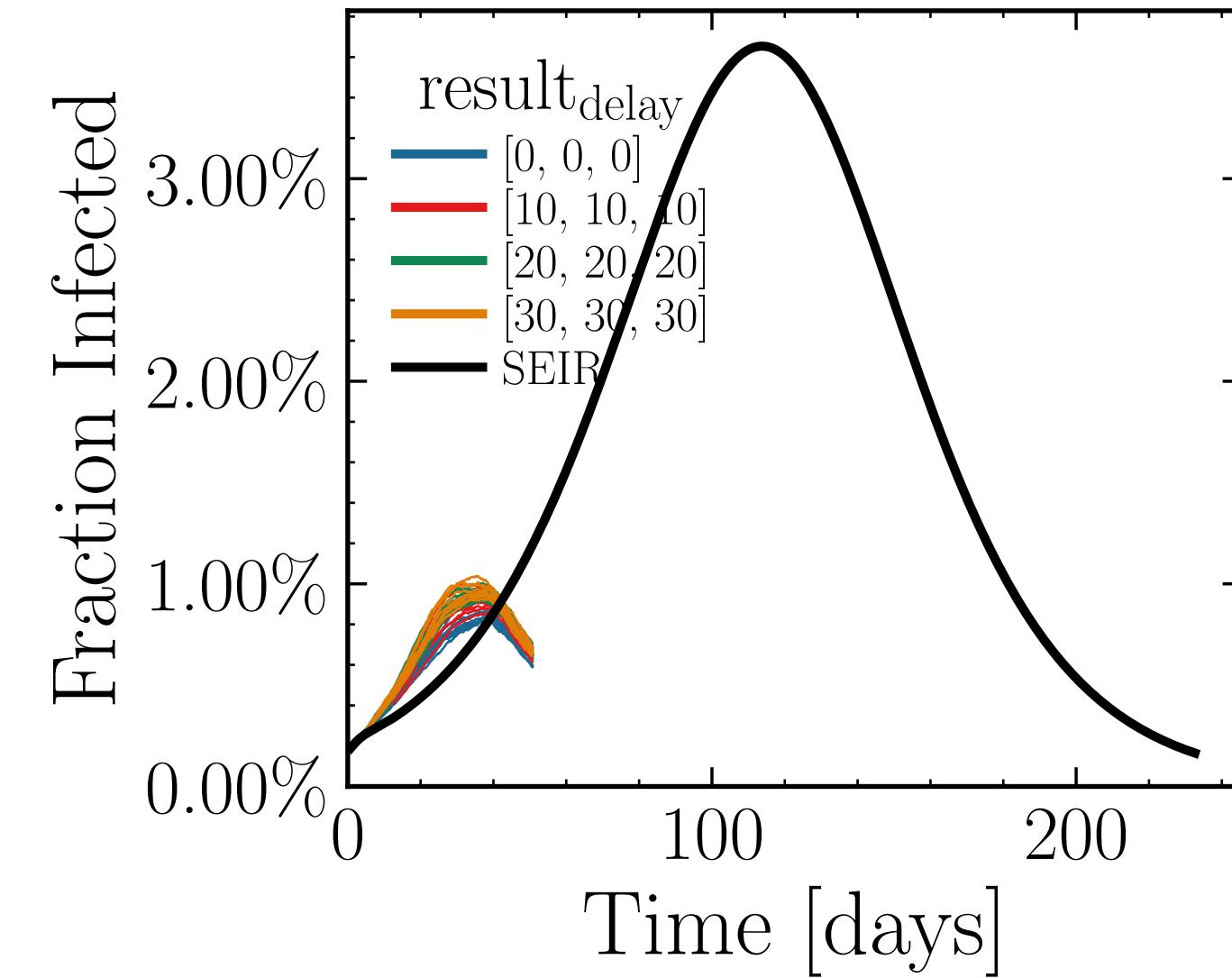
Day	$a$	Error
20	$0.0030 \pm 0.0007$	$\pm 0.0007$
25	$0.003 \pm 0.001$	$\pm 0.001$
30	$0.002 \pm 0.001$	$\pm 0.001$
35	$0.000 \pm 0.001$	$\pm 0.001$
40	$-0.0012 \pm 0.0009$	$\pm 0.0009$

$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 19.764$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.0109$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 2K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 0.5$ , rand.inf. = True, w.rand.inf. = True,  $N_{\text{connect}}^{\text{retries}} = 0$ ,  $f_{\text{work/other}} = 0.6471$ ,  $N_{\text{contacts}_{\text{max}}} = 0$   
 $N_{\text{events}} = 4.49K$ , event<sub>size<sub>max</sub></sub> = 10, event<sub>size<sub>mean</sub></sub> = 4.762, event <sub>$\beta$ scaling</sub> = 5.0, event<sub>weekendmultiplier</sub> = 2.0  
do<sub>int.</sub> = True, int. = [3, 4, 5, 6],  $f_{\text{dailytests}} = 0.01$ , test<sub>delay</sub> = [0, 0, 25]  
chance<sub>find.inf.</sub> = [0.0, 0.15, 0.15, 0.15, 0.0], days<sub>look.back</sub> = 7, tracking<sub>delay</sub> = 10

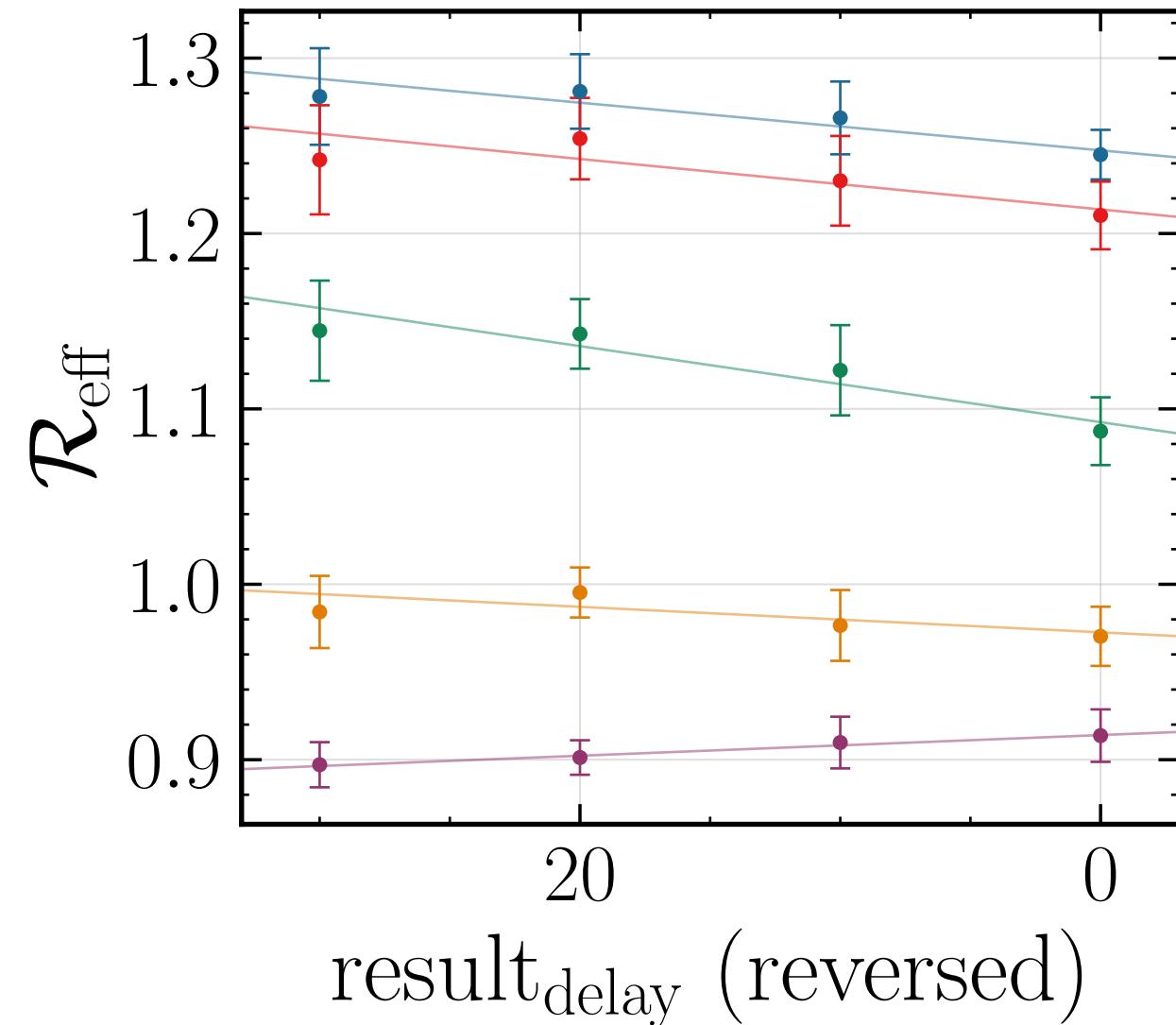
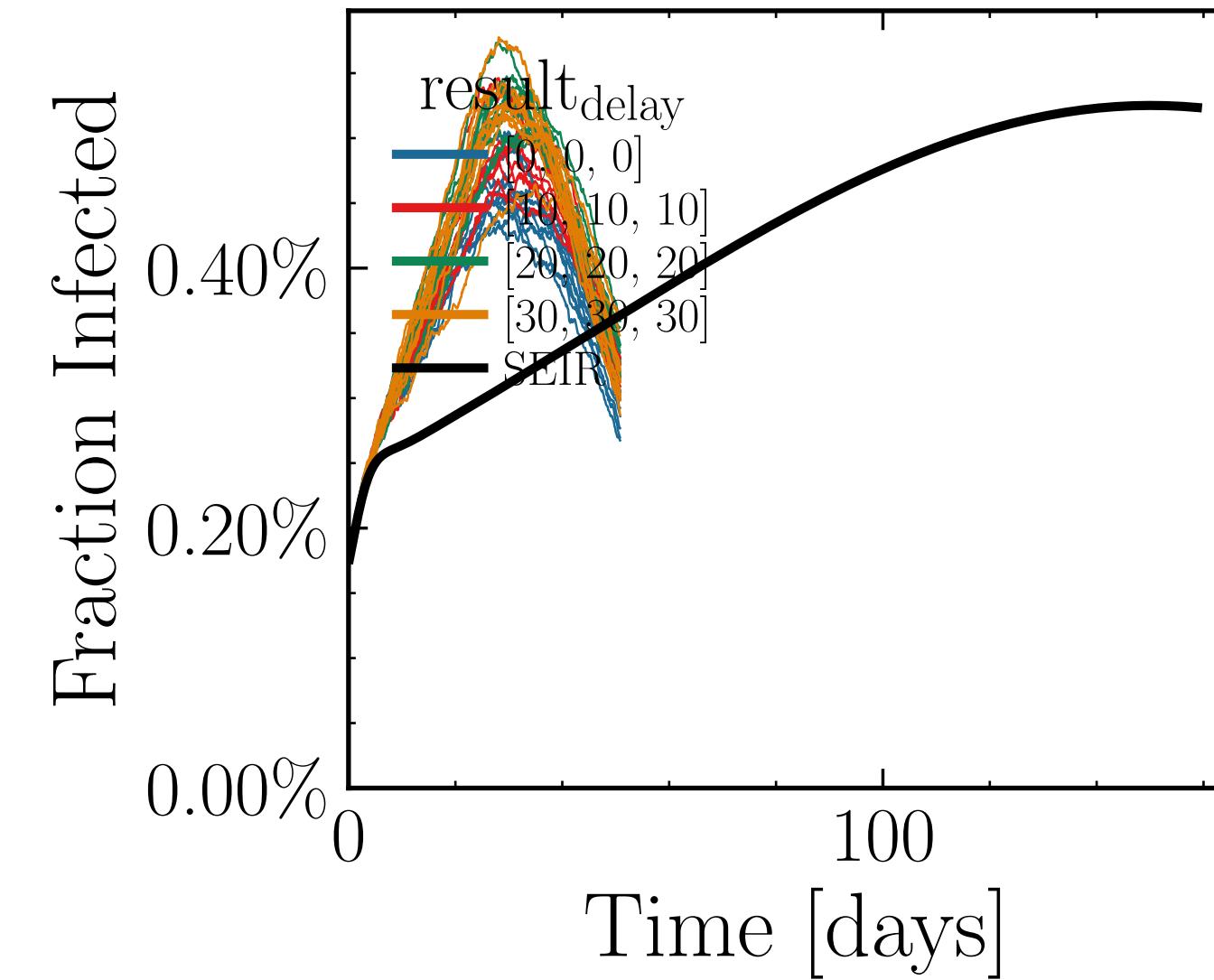


Day	a	±
20	0.0020	0.0009
25	0.0011	0.0009
30	-0.0007	0.0007
35	-0.0010	0.0005
40	-0.0008	0.0004

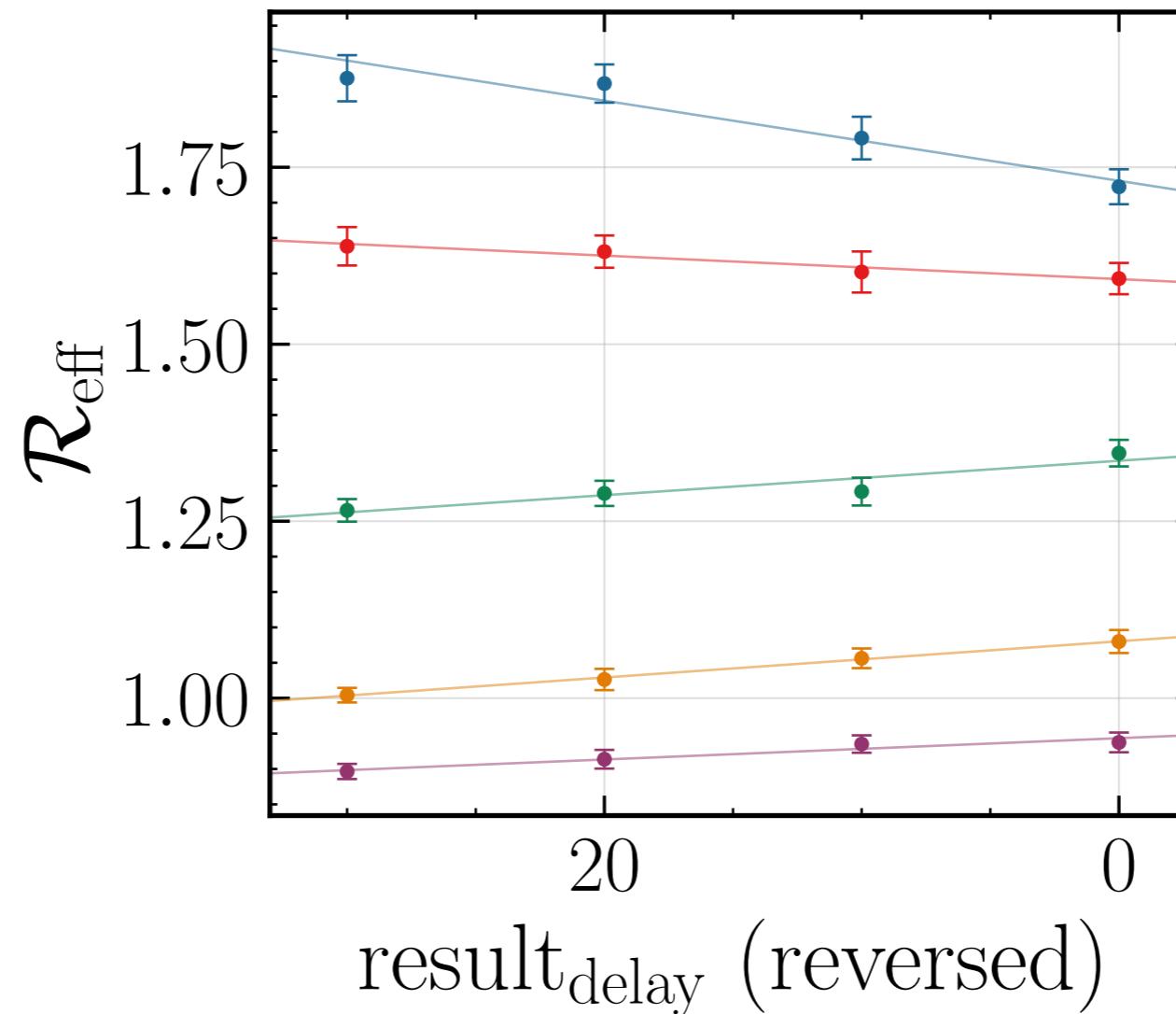
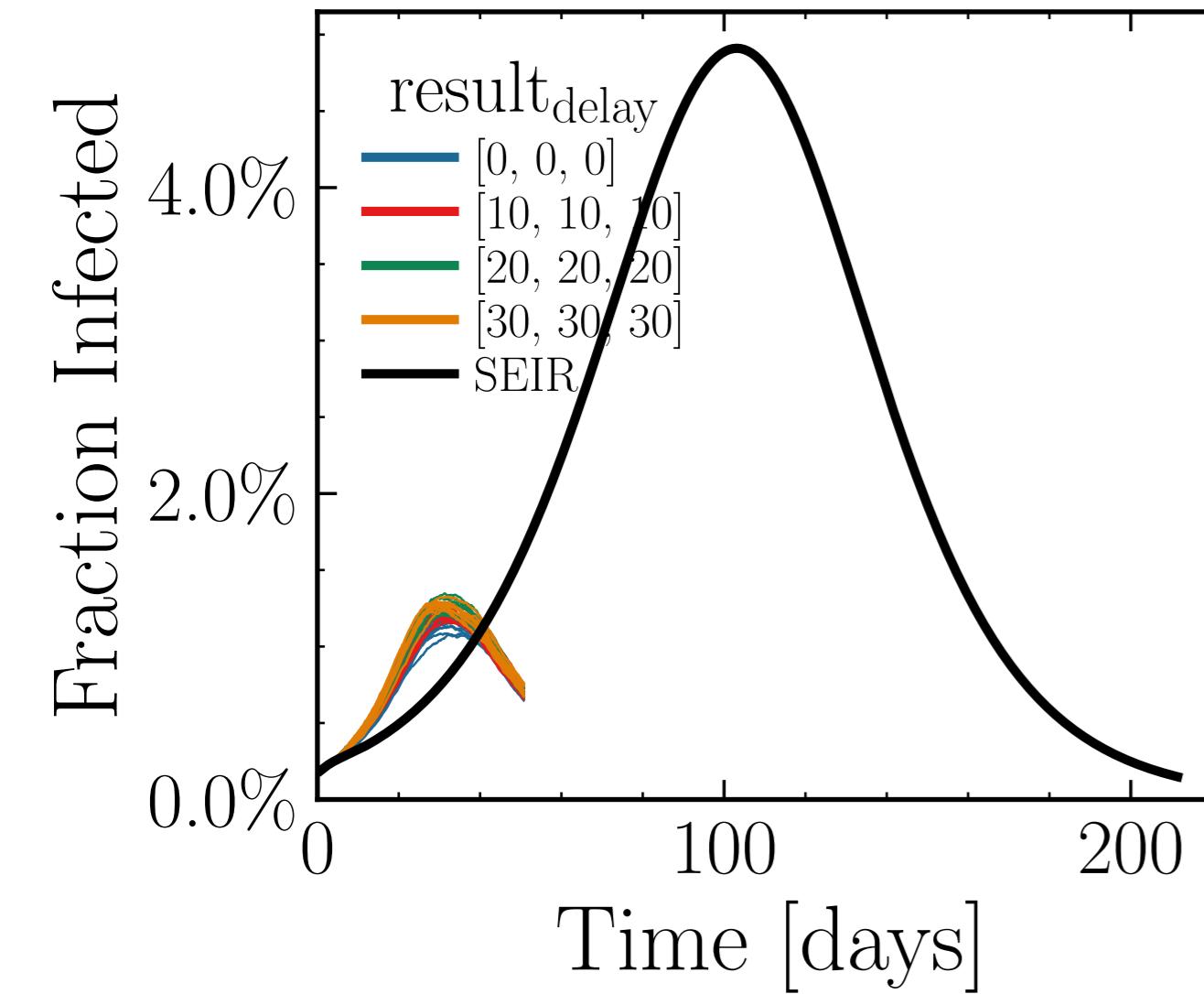
$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 14.695$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.0116$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 2K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 0.5$ , rand.inf. = True, w.rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$ ,  $f_{\text{work/other}} = 0.5824$ ,  $N_{\text{contacts max}} = 0$   
 $N_{\text{events}} = 1.33K$ , event<sub>size<sub>max</sub></sub> = 10, event<sub>size<sub>mean</sub></sub> = 4.4294, event <sub>$\beta$  scaling</sub> = 5.0, event<sub>weekend multiplier</sub> = 2.0  
do<sub>int.</sub> = True, int. = [3, 4, 5, 6],  $f_{\text{dailytests}} = 0.01$ , test<sub>delay</sub> = [0, 0, 25]  
chance<sub>find.inf.</sub> = [0.0, 0.15, 0.15, 0.15, 0.0], days<sub>look.back</sub> = 7, tracking<sub>delay</sub> = 10



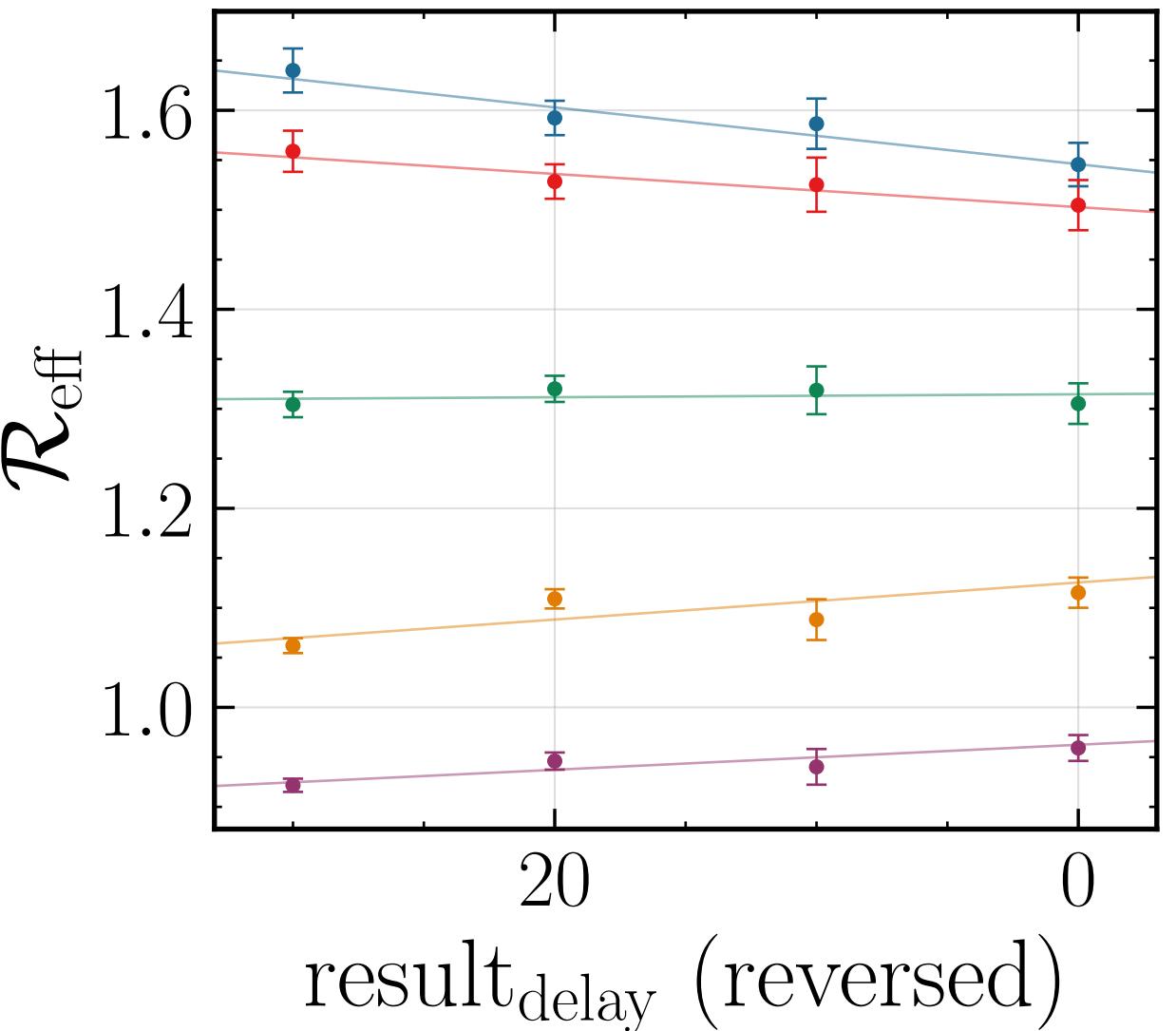
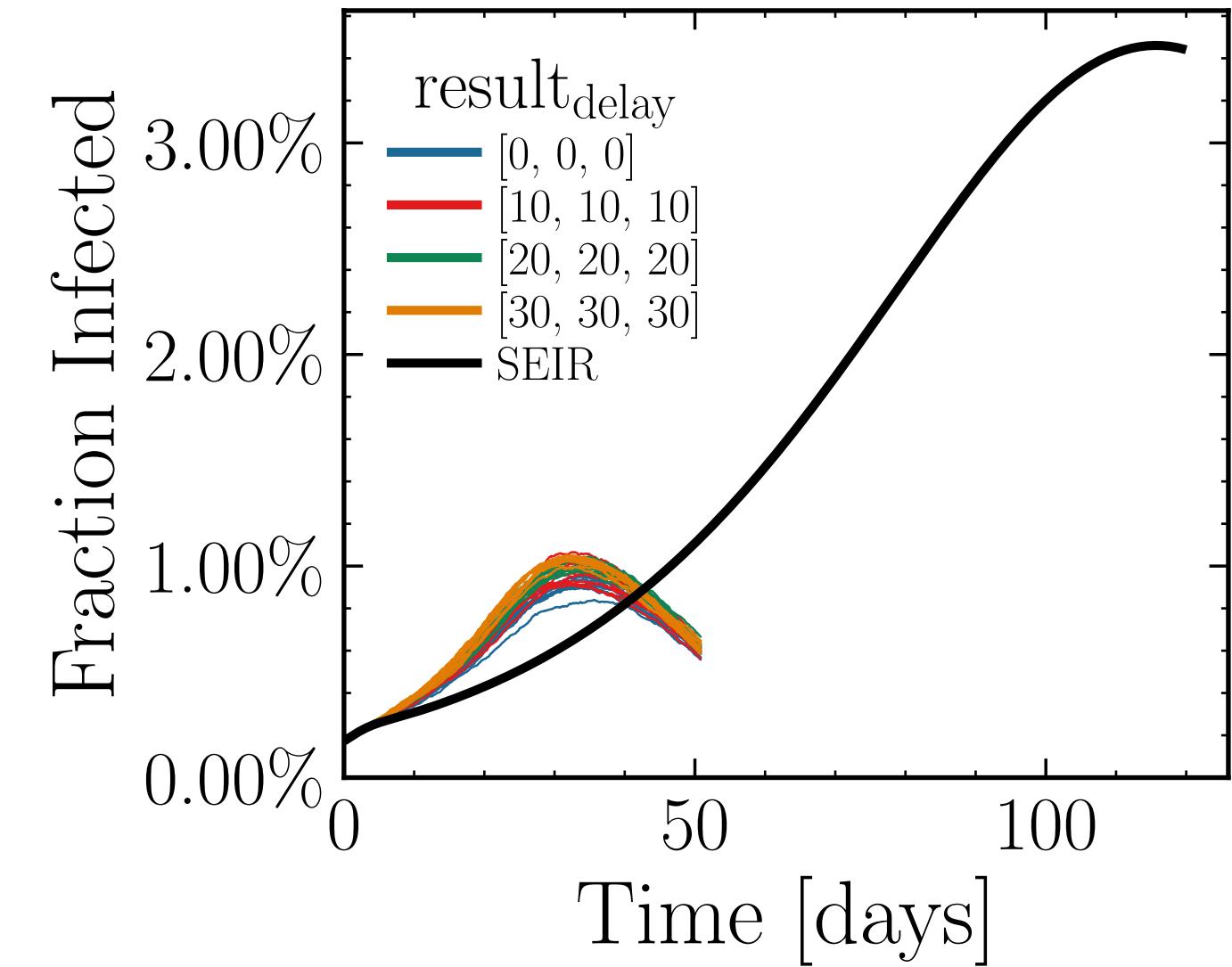
$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 16.7939$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.0081$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 2K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 0.5$ , rand.inf. = True, w.rand.inf. = True,  $N_{\text{connect}}^{\text{retries}} = 0$ ,  $f_{\text{work/other}} = 0.5815$ ,  $N_{\text{contacts}_{\max}} = 0$   
 $N_{\text{events}} = 1.81K$ ,  $\text{event}_{\text{size}_{\max}} = 10$ ,  $\text{event}_{\text{size}_{\text{mean}}} = 3.1345$ ,  $\text{event}_{\beta_{\text{scaling}}} = 5.0$ ,  $\text{event}_{\text{weekendmultiplier}} = 2.0$   
do\_int. = True, int. = [3, 4, 5, 6],  $f_{\text{dailytests}} = 0.01$ , test\_delay = [0, 0, 25]  
chancefind.inf. = [0.0, 0.15, 0.15, 0.15, 0.0], days\_look.back = 7, tracking\_delay = 10



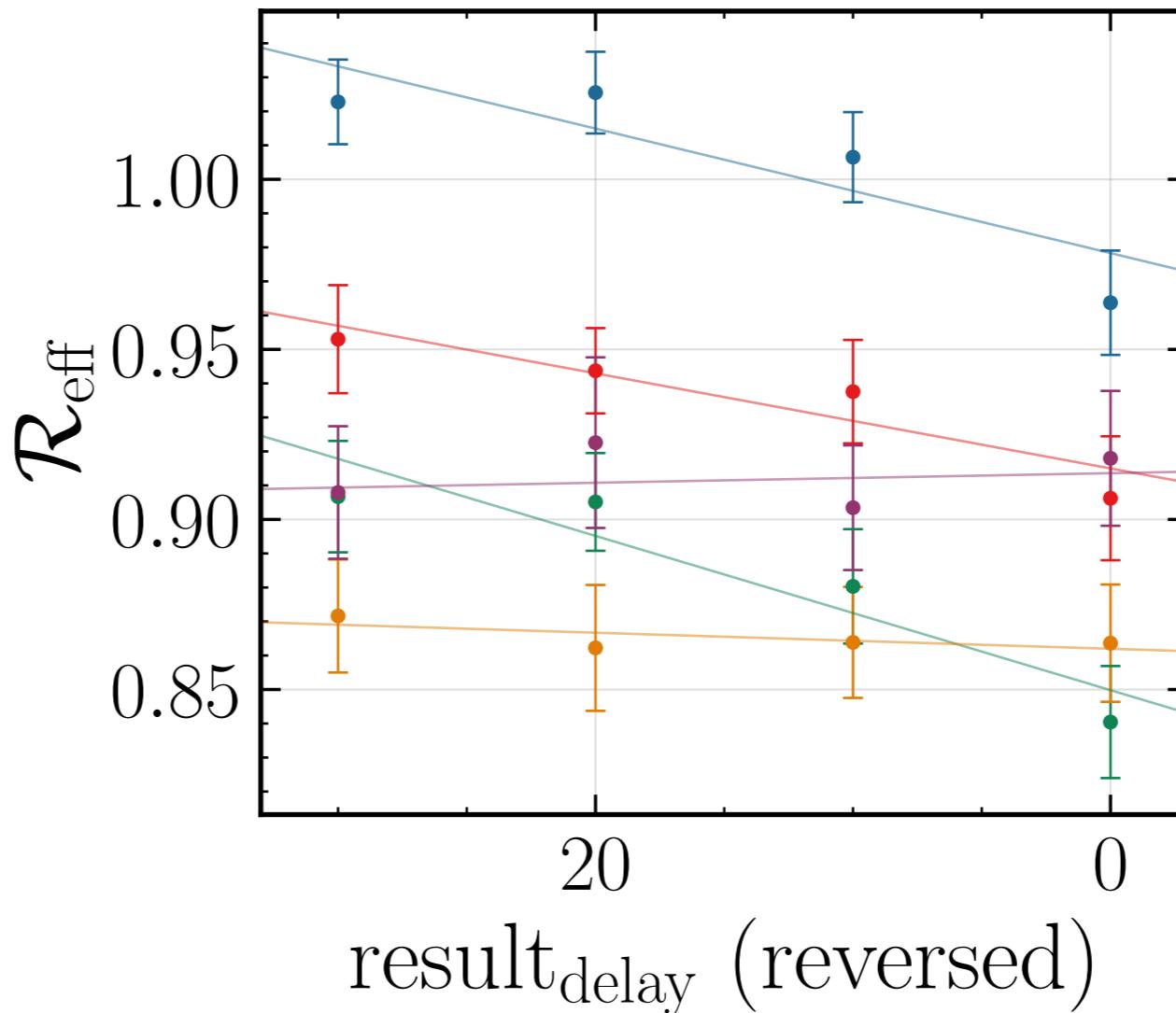
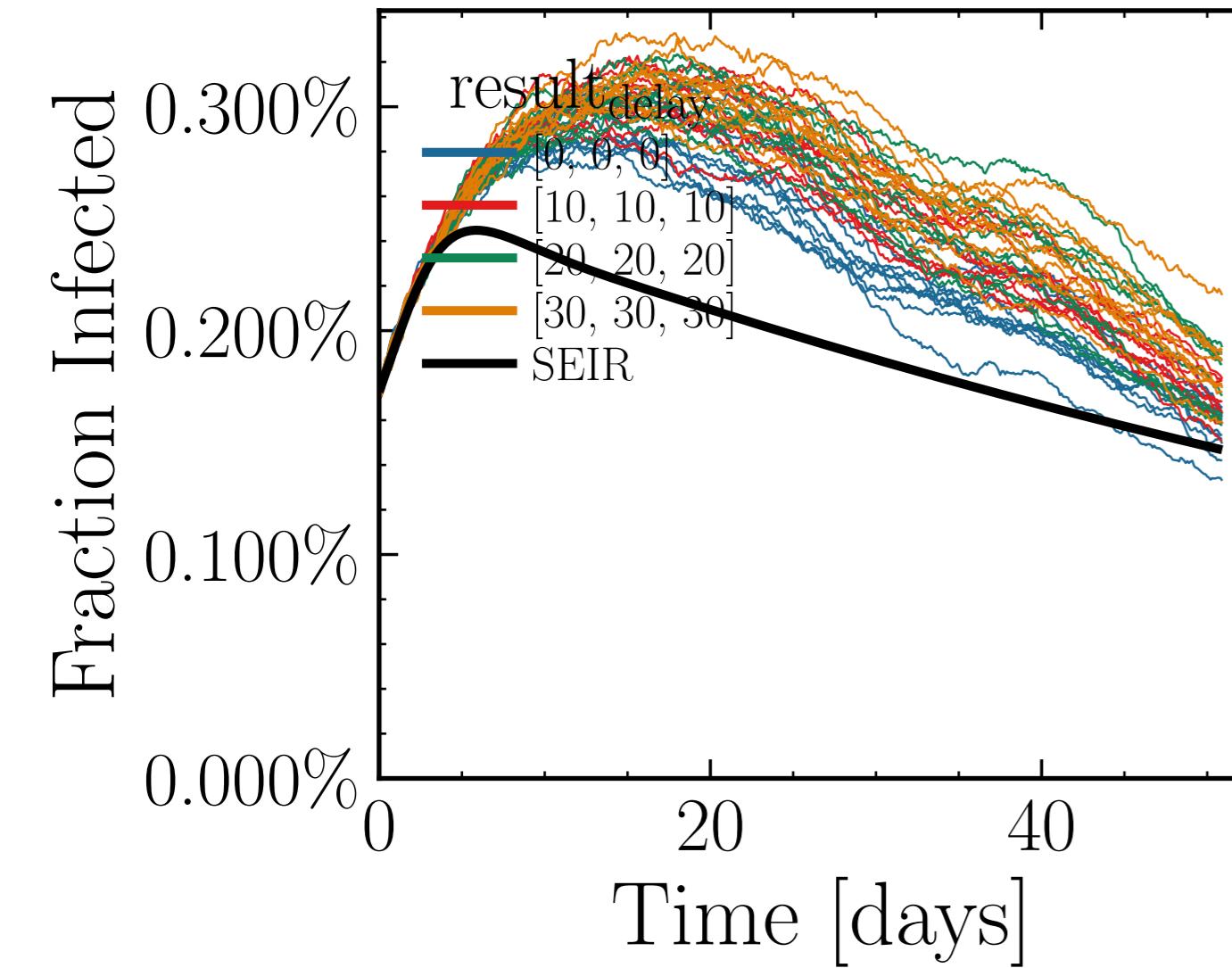
$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 15.1971$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.0119$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 2K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 0.5$ , rand.inf. = True, w.rand.inf. = True,  $N_{\text{connect}}^{\text{retries}} = 0$ ,  $f_{\text{work/other}} = 0.4$ ,  $N_{\text{contacts}_{\max}} = 0$   
 $N_{\text{events}} = 1.14K$ , event<sub>size<sub>max</sub></sub> = 10, event<sub>size<sub>mean</sub></sub> = 3.6494, event <sub>$\beta$ scaling</sub> = 5.0, event<sub>weekendmultiplier</sub> = 2.0  
do<sub>int.</sub> = True, int. = [3, 4, 5, 6],  $f_{\text{dailytests}} = 0.01$ , test<sub>delay</sub> = [0, 0, 25]  
chance<sub>find.inf.</sub> = [0.0, 0.15, 0.15, 0.15, 0.0], days<sub>look.back</sub> = 7, tracking<sub>delay</sub> = 10



$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 17.5838$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.0096$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 2K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 0.5$ , rand.inf. = True, w.rand.inf. = True,  $N_{\text{connect}}^{\text{retries}} = 0$ ,  $f_{\text{work/other}} = 0.528$ ,  $N_{\text{contacts}_{\max}} = 0$   
 $N_{\text{events}} = 2.04K$ , event<sub>size<sub>max</sub></sub> = 10, event<sub>size<sub>mean</sub></sub> = 3.0413, event <sub>$\beta$ scaling</sub> = 5.0, event<sub>weekendmultiplier</sub> = 2.0  
do<sub>int.</sub> = True, int. = [3, 4, 5, 6],  $f_{\text{dailytests}} = 0.01$ , test<sub>delay</sub> = [0, 0, 25]  
chancefind.inf. = [0.0, 0.15, 0.15, 0.15, 0.0], days<sub>look.back</sub> = 7, tracking<sub>delay</sub> = 10



$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 11.8564$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.0096$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 2K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 0.5$ , rand.inf. = True, w.rand.inf. = True,  $N_{\text{connect}} = 0$ ,  $f_{\text{work/other}} = 0.7811$ ,  $N_{\text{contacts}_{\max}} = 0$   
 $N_{\text{events}} = 1.58K$ ,  $\text{event}_{\text{size}_{\max}} = 10$ ,  $\text{event}_{\text{size}_{\text{mean}}} = 4.5961$ ,  $\text{event}_{\beta_{\text{scaling}}} = 5.0$ ,  $\text{event}_{\text{weekend}_{\text{multiplier}}} = 2.0$   
do\_int. = True, int. = [3, 4, 5, 6],  $f_{\text{dailytests}} = 0.01$ , test\_delay = [0, 0, 25]  
chance\_find.inf. = [0.0, 0.15, 0.15, 0.15, 0.0], days\_look.back = 7, tracking\_delay = 10



Day: 20,  $a=0.0018 \pm 0.0006$   
 Day: 25,  $a=0.0014 \pm 0.0007$   
 Day: 30,  $a=0.0023 \pm 0.0007$   
 Day: 35,  $a=0.0002 \pm 0.0008$   
 Day: 40,  $a=-0.0001 \pm 0.0009$