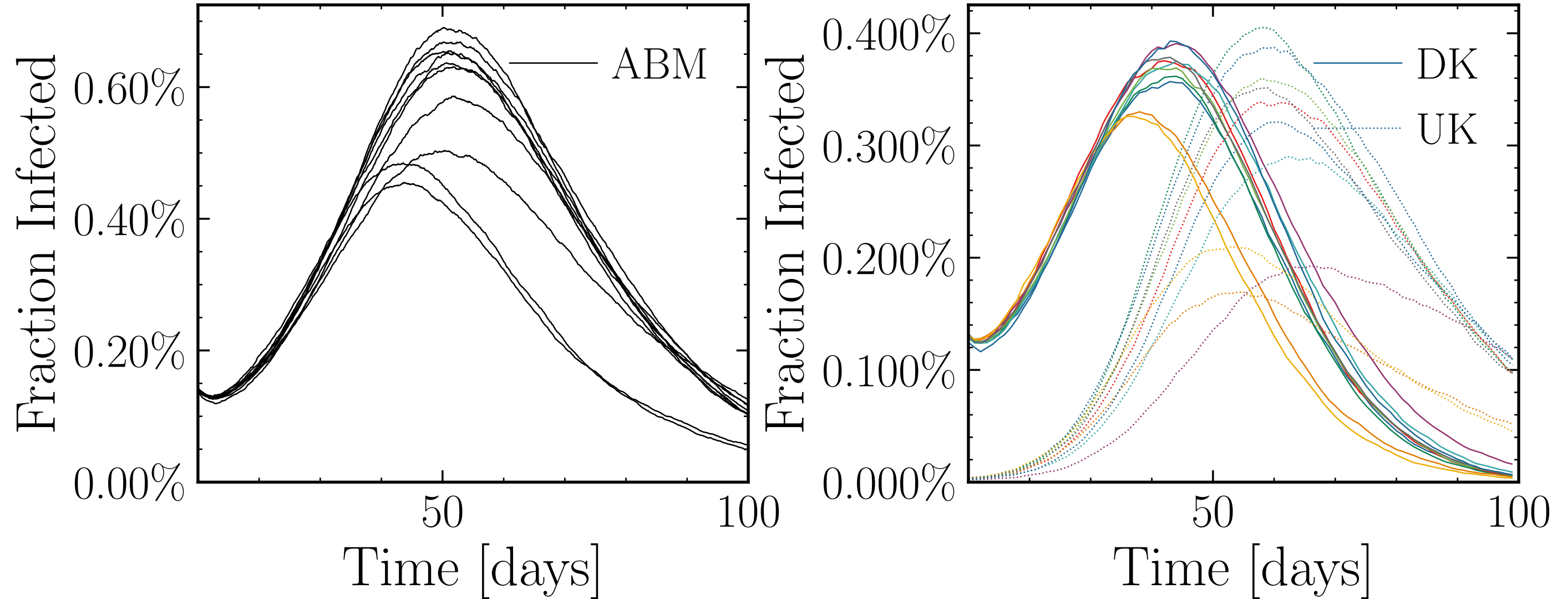
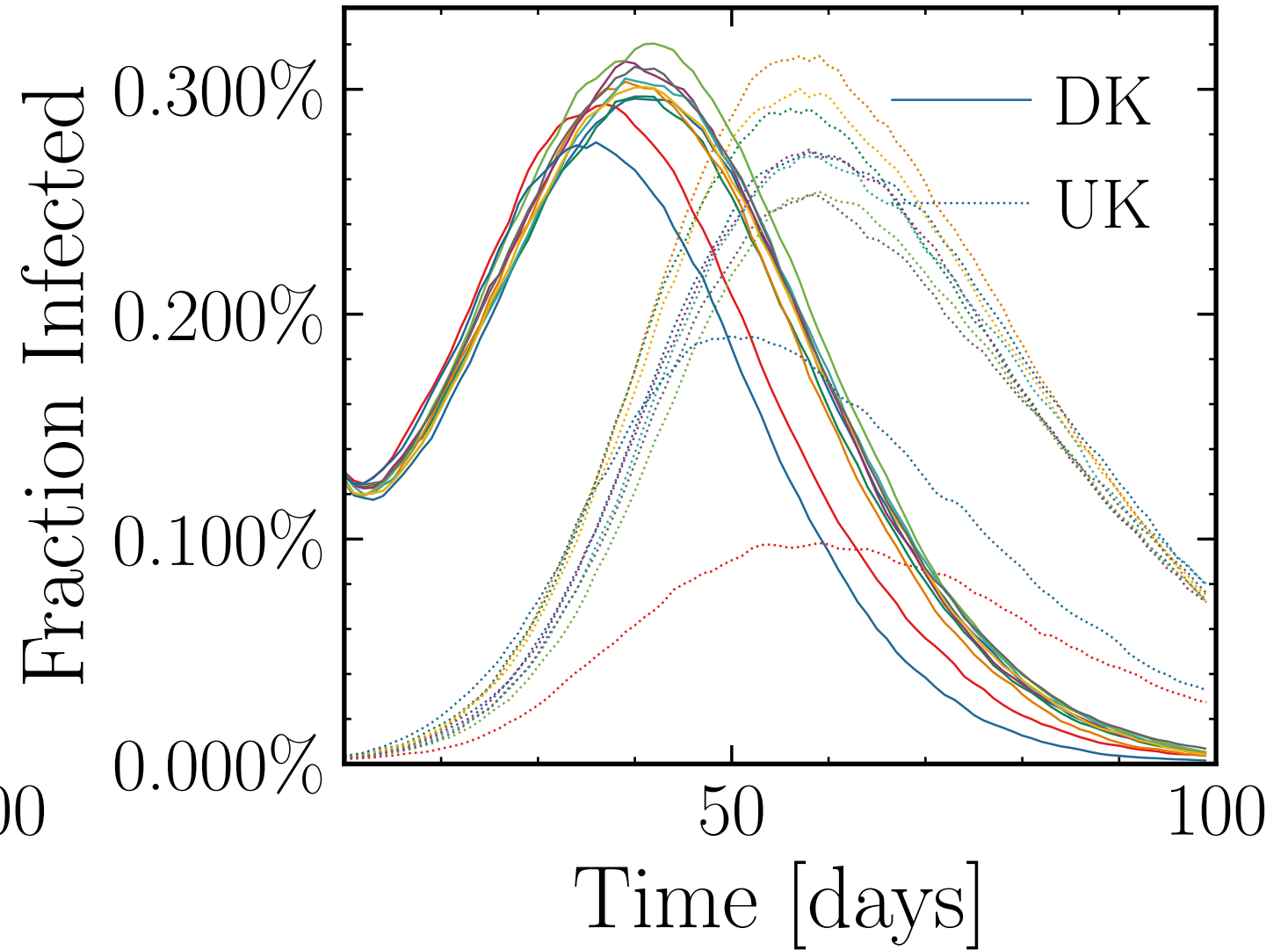
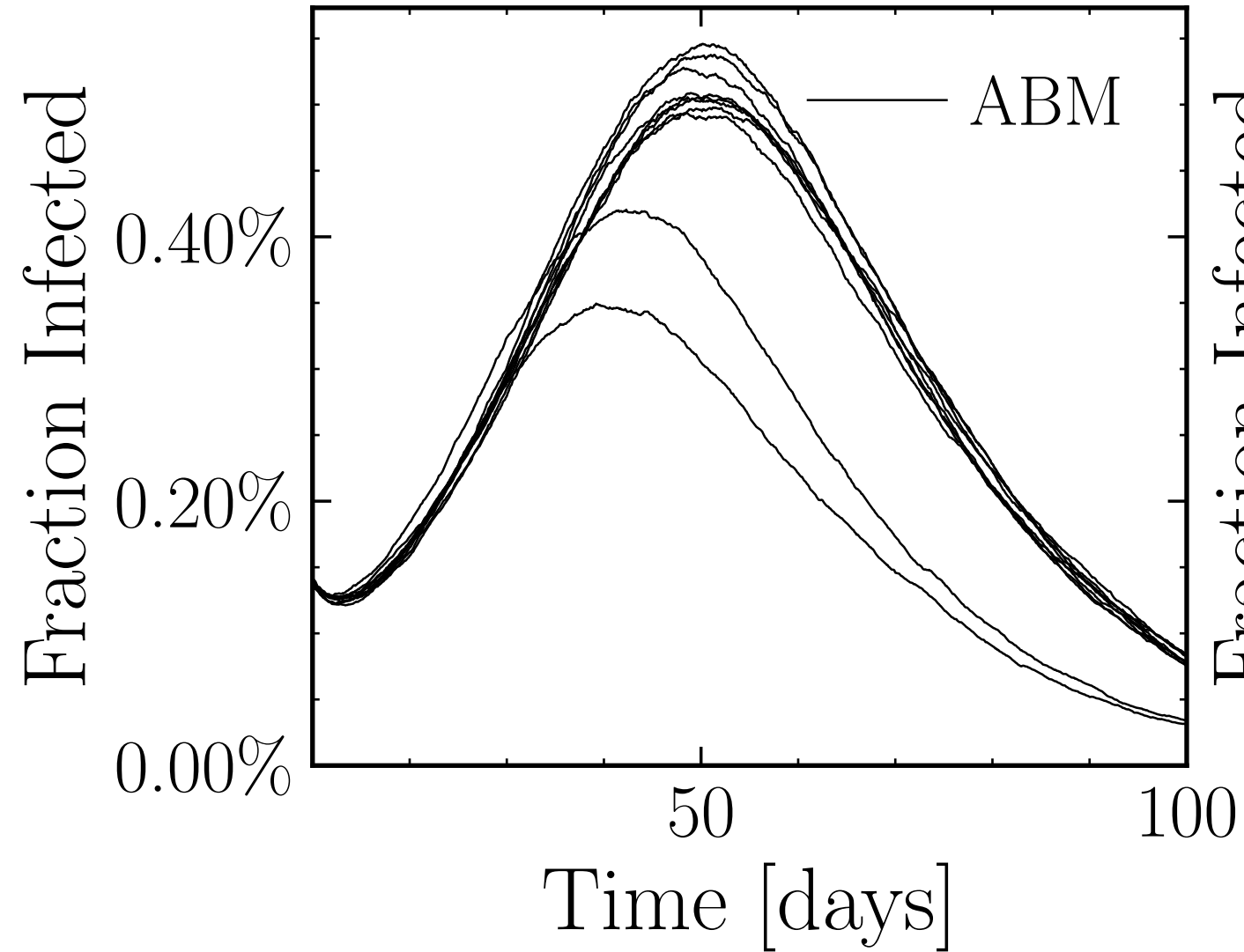


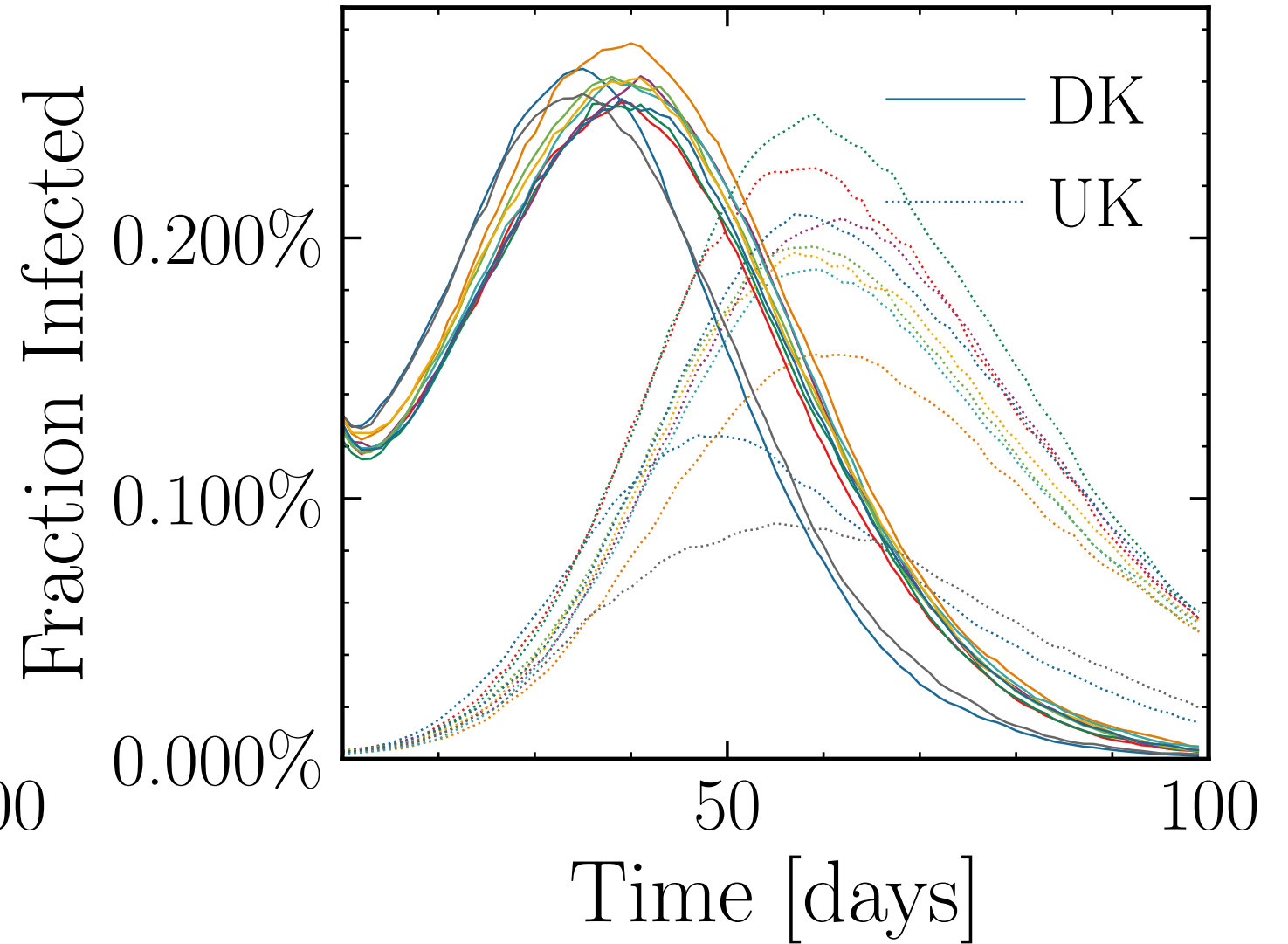
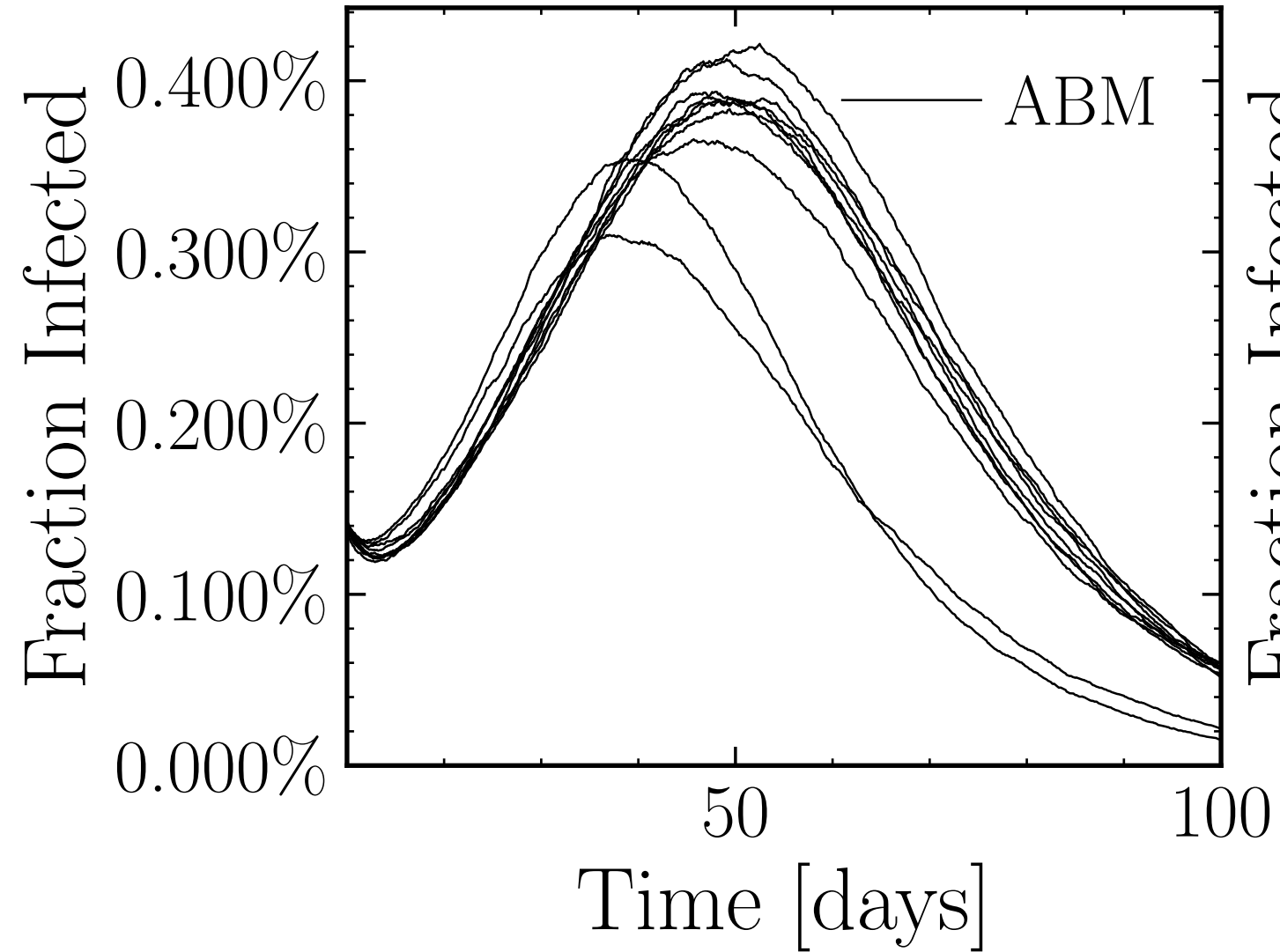
$N_{\text{tot}} = 5.8M$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 20.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.003$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 40K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ ,  $\text{rand.inf.} = \text{True}$ ,  $\text{w.rand.inf.} = \text{True}$ ,  $N_{\text{retries}}^{\text{connect}} = 0$ ,  $f_{\text{work/other}} = 0.95$ ,  $N_{\text{contacts}_{\text{max}}} = 0$ ,  $N_{\text{init.UK.}} = 500$ ,  $\beta_{\text{UK}} = 1.7$ ,  $\text{outbreak}_{\text{UK}} = \text{københavn}$ ,  $N_{\text{vaccinations}} = 0$   
 $N_{\text{events}} = 0$ ,  $\text{event}_{\text{size}_{\text{max}}} = 10$ ,  $\text{event}_{\text{size}_{\text{mean}}} = 5.0$ ,  $\text{event}_{\beta_{\text{scaling}}} = 5.0$ ,  $\text{event}_{\text{weekend}_{\text{multiplier}}} = 2.0$   
 $\text{do}_{\text{int.}} = \text{False}$ ,  $\text{int.} = [1, 4, 6]$ ,  $f_{\text{dailytests}} = 0.01$ ,  $\text{test}_{\text{delay}} = [0, 0, 25]$ ,  $\text{result}_{\text{delay}} = [5, 10, 5]$   
 $\text{chance}_{\text{find.inf.}} = [0.0, 0.15, 0.15, 0.15, 0.0]$ ,  $\text{days}_{\text{look.back}} = 7$ ,  $\text{tracking}_{\text{delay}} = 10$ ,  $\#10$



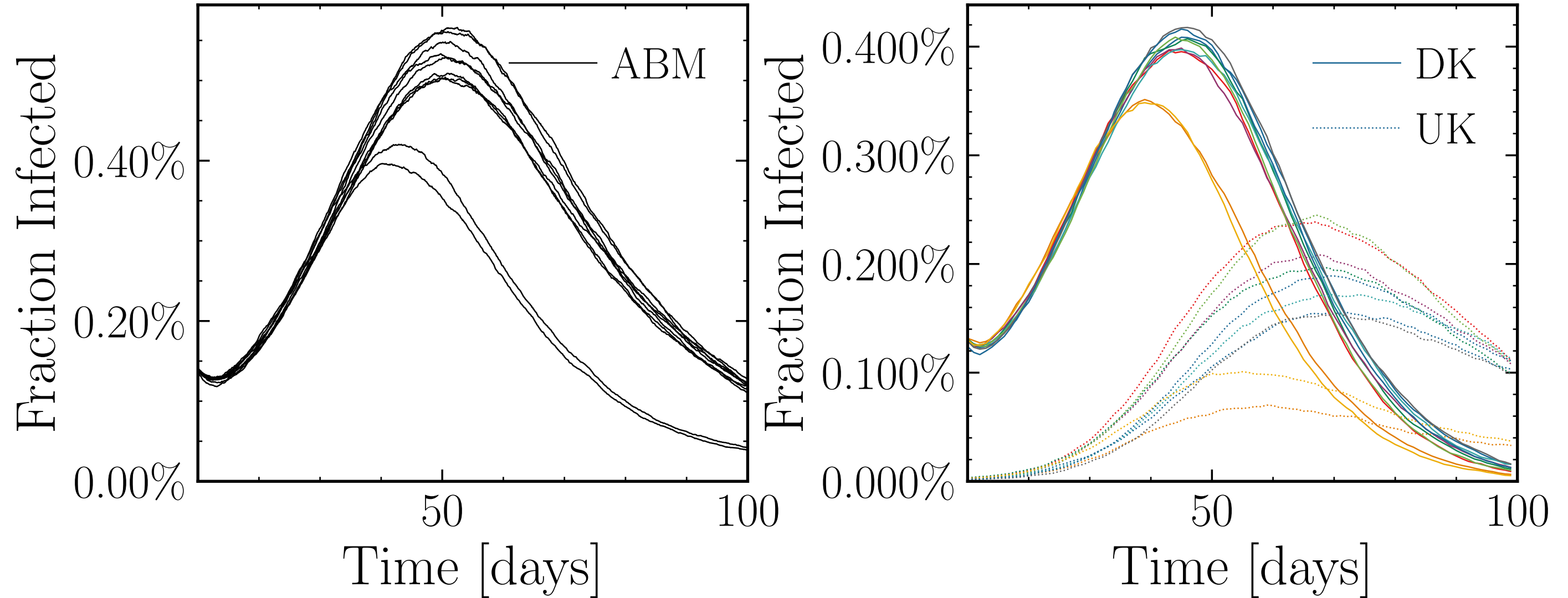
$N_{\text{tot}} = 5.8M$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 20.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.003$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 40K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True, w.rand.inf. = True,  $N_{\text{connect}}^{\text{retries}} = 0$ ,  $f_{\text{work/other}} = 0.95$ ,  $N_{\text{contacts}_{\text{max}}} = 0$ ,  $N_{\text{init.UK.}} = 500$ ,  $\beta_{\text{UK}} = 1.7$ , outbreak<sub>UK</sub> = københavn,  $N_{\text{vaccinations}} = 10000$   
 $N_{\text{events}} = 0$ , event<sub>size<sub>max</sub></sub> = 10, event<sub>size<sub>mean</sub></sub> = 5.0, event <sub>$\beta_{\text{scaling}}$</sub>  = 5.0, event<sub>weekend<sub>multiplier</sub></sub> = 2.0  
do<sub>int.</sub> = False, int. = [1, 4, 6],  $f_{\text{dailytests}} = 0.01$ , test<sub>delay</sub> = [0, 0, 25], result<sub>delay</sub> = [5, 10, 5]  
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, #10



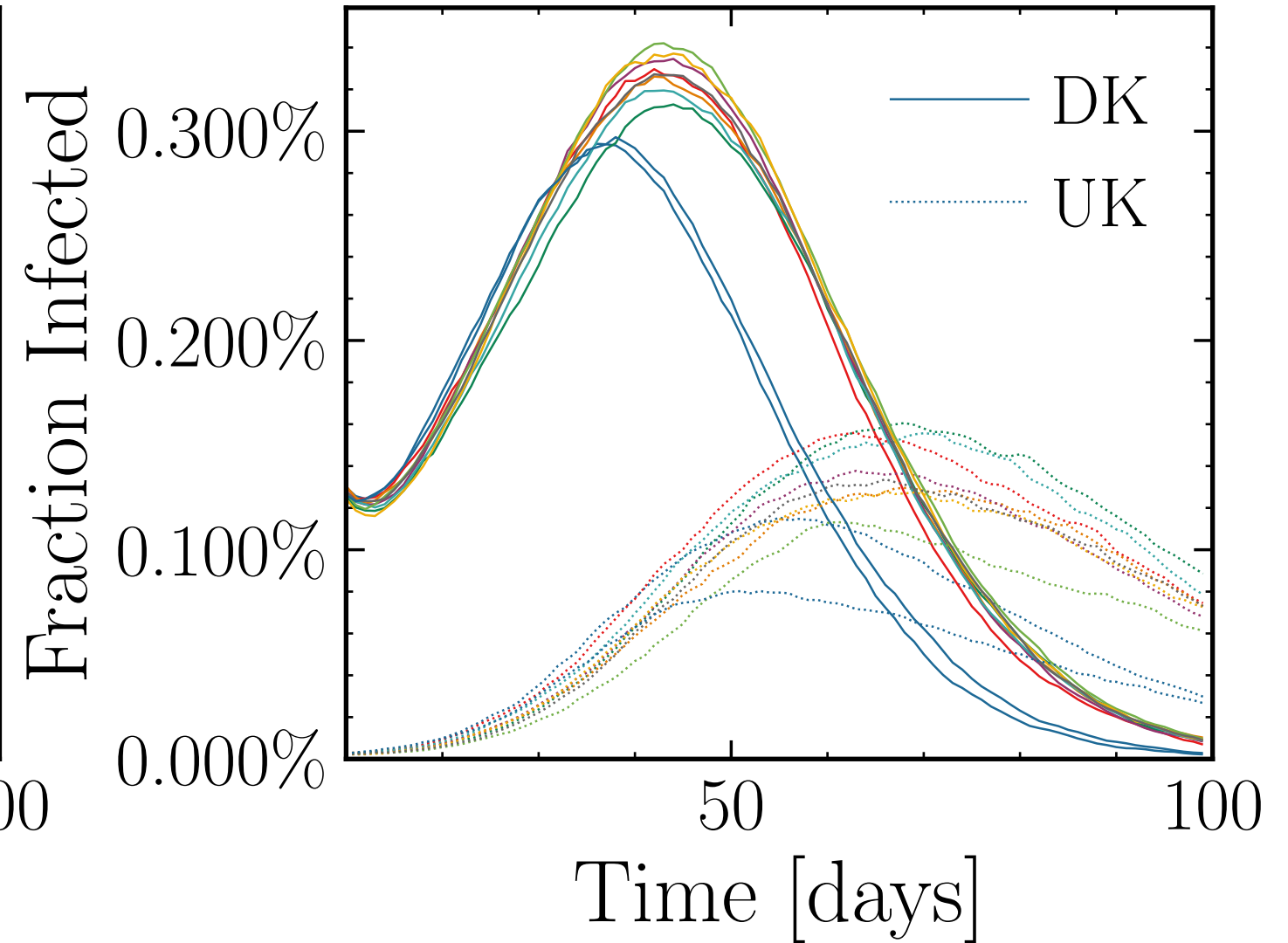
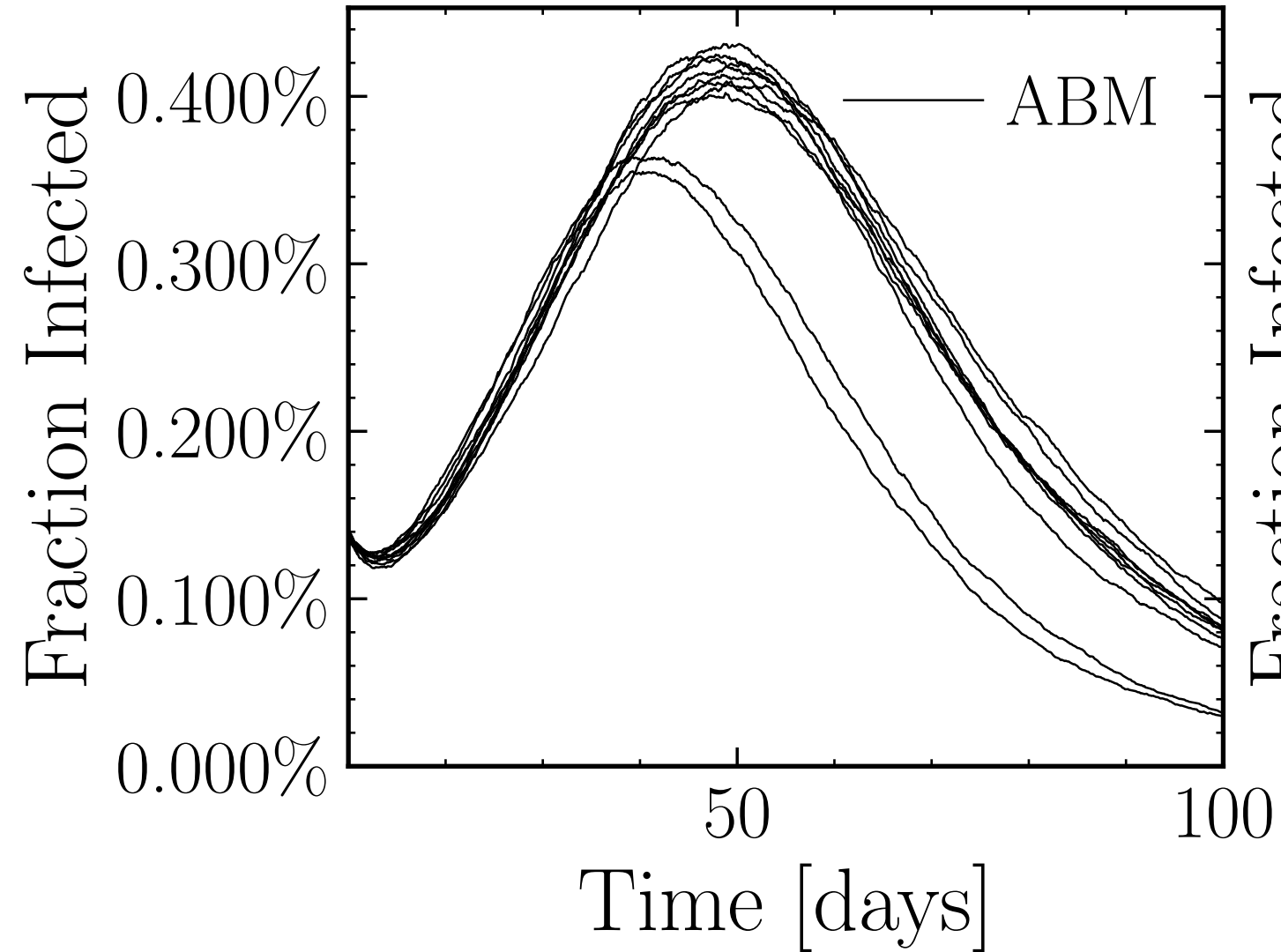
$N_{\text{tot}} = 5.8M$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 20.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.003$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 40K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ ,  $\text{rand.inf.} = \text{True}$ ,  $\text{w.rand.inf.} = \text{True}$ ,  $N_{\text{retries}}^{\text{connect}} = 0$ ,  $f_{\text{work/other}} = 0.95$ ,  $N_{\text{contacts}_{\text{max}}} = 0$ ,  $N_{\text{init.UK.}} = 500$ ,  $\beta_{\text{UK}} = 1.7$ ,  $\text{outbreak}_{\text{UK}} = \text{københavn}$ ,  $N_{\text{vaccinations}} = 20000$   
 $N_{\text{events}} = 0$ ,  $\text{event}_{\text{size}_{\text{max}}} = 10$ ,  $\text{event}_{\text{size}_{\text{mean}}} = 5.0$ ,  $\text{event}_{\beta_{\text{scaling}}} = 5.0$ ,  $\text{event}_{\text{weekend}_{\text{multiplier}}} = 2.0$   
 $\text{do}_{\text{int.}} = \text{False}$ ,  $\text{int.} = [1, 4, 6]$ ,  $f_{\text{dailytests}} = 0.01$ ,  $\text{test}_{\text{delay}} = [0, 0, 25]$ ,  $\text{result}_{\text{delay}} = [5, 10, 5]$   
 $\text{chance}_{\text{find.inf.}} = [0.0, 0.15, 0.15, 0.15, 0.0]$ ,  $\text{days}_{\text{look.back}} = 7$ ,  $\text{tracking}_{\text{delay}} = 10$ ,  $\#10$



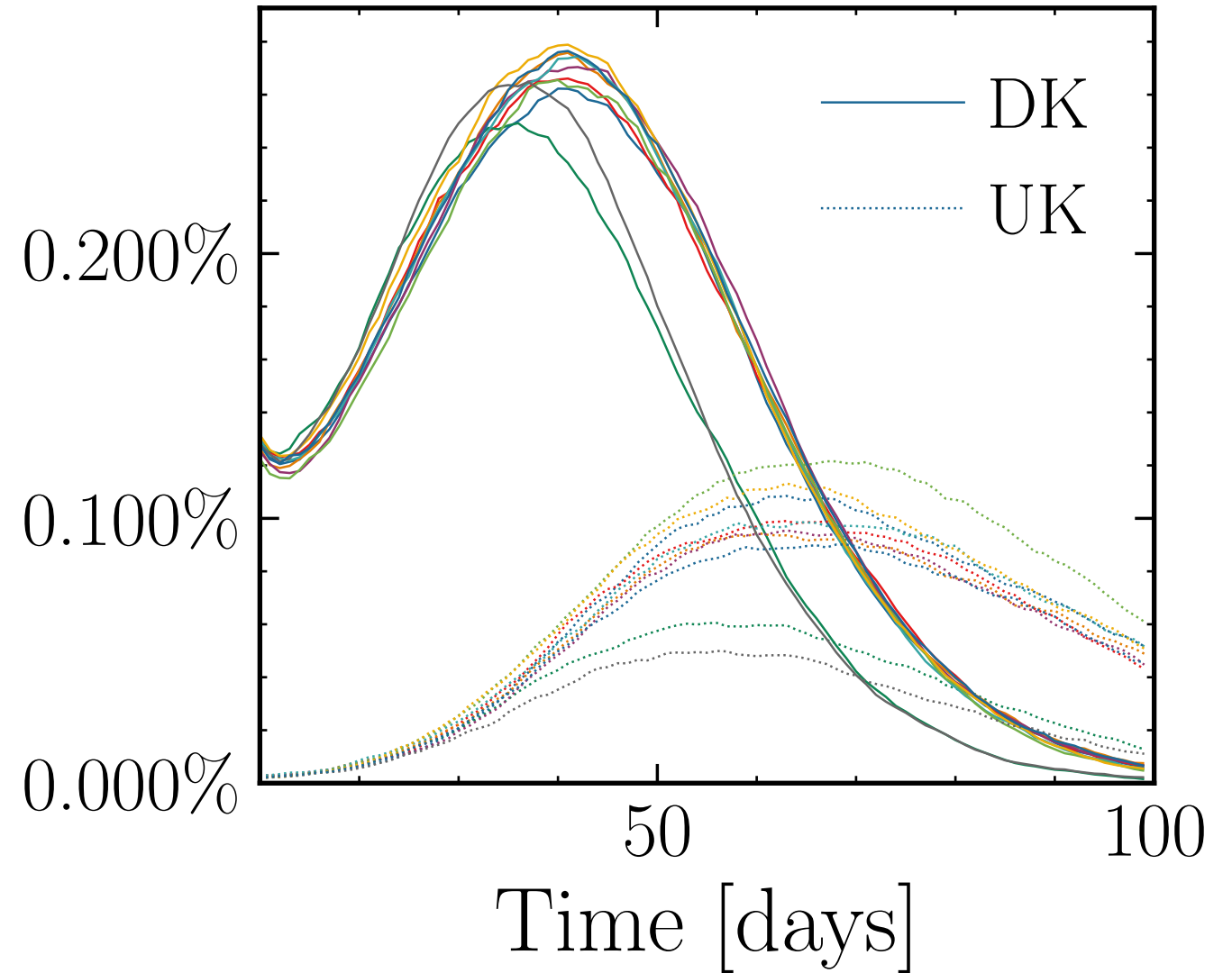
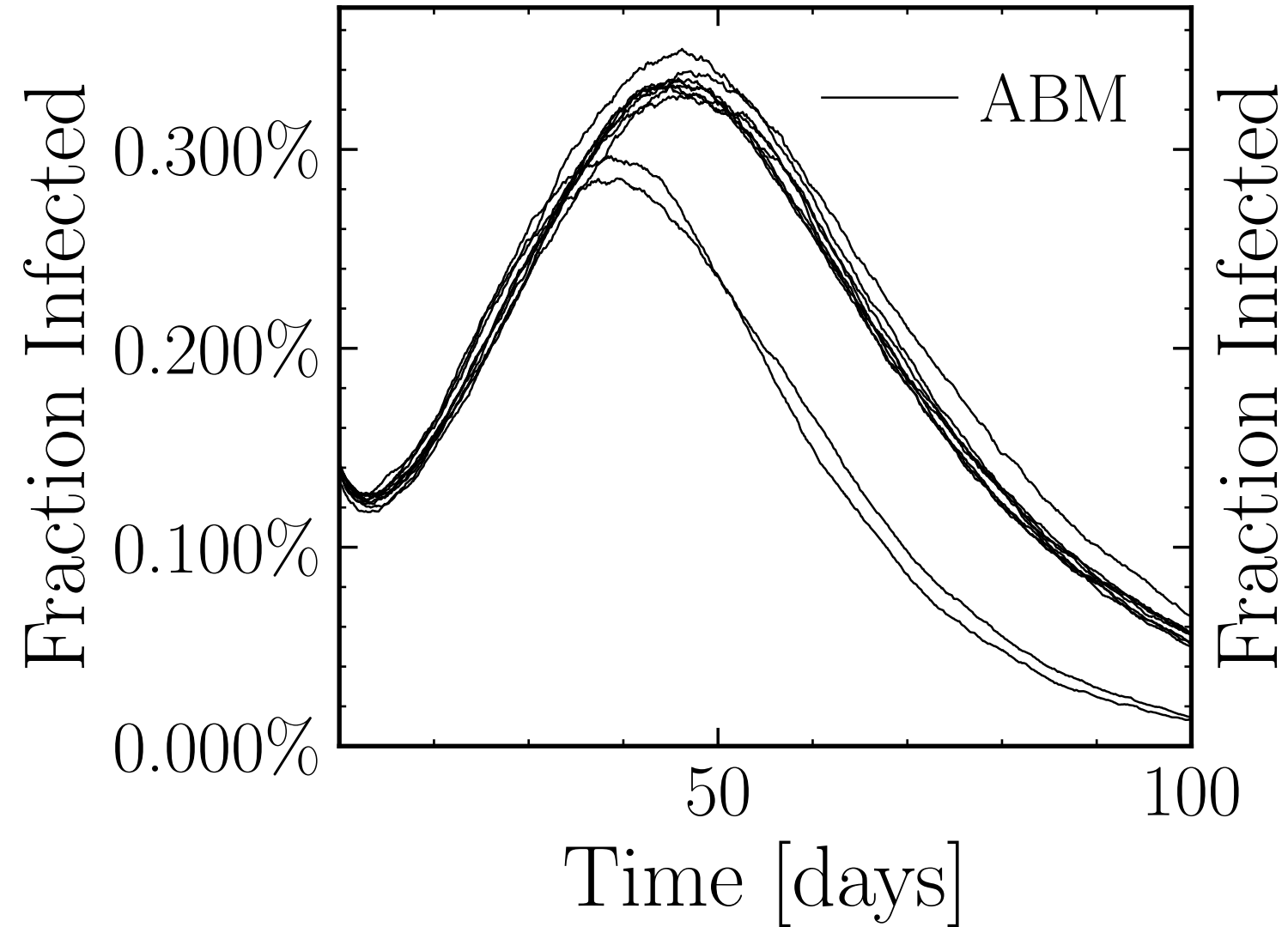
$N_{\text{tot}} = 5.8M$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 20.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.003$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 40K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True, w.rand.inf. = True,  $N_{\text{connect}}^{\text{retries}} = 0$ ,  $f_{\text{work/other}} = 0.95$ ,  $N_{\text{contacts}_{\text{max}}} = 0$ ,  $N_{\text{init.UK.}} = 500$ ,  $\beta_{\text{UK.}} = 1.7$ , outbreak<sub>UK</sub> = nordjylland,  $N_{\text{vaccinations}} = 0$   
 $N_{\text{events}} = 0$ , event<sub>size<sub>max</sub></sub> = 10, event<sub>size<sub>mean</sub></sub> = 5.0, event <sub>$\beta_{\text{scaling}}$</sub>  = 5.0, event<sub>weekend<sub>multiplier</sub></sub> = 2.0  
do<sub>int.</sub> = False, int. = [1, 4, 6],  $f_{\text{dailytests}} = 0.01$ , test<sub>delay</sub> = [0, 0, 25], result<sub>delay</sub> = [5, 10, 5]  
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, #10



$N_{\text{tot}} = 5.8M$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 20.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.003$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 40K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True, w.rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$ ,  $f_{\text{work/other}} = 0.95$ ,  $N_{\text{contacts}_{\text{max}}} = 0$ ,  $N_{\text{init.UK.}} = 500$ ,  $\beta_{\text{UK}} = 1.7$ , outbreak<sub>UK</sub> = nordjylland,  $N_{\text{vaccinations}} = 10000$   
 $N_{\text{events}} = 0$ , event<sub>size<sub>max</sub></sub> = 10, event<sub>size<sub>mean</sub></sub> = 5.0, event <sub>$\beta_{\text{scaling}}$</sub>  = 5.0, event<sub>weekend<sub>multiplier</sub></sub> = 2.0  
do<sub>int.</sub> = False, int. = [1, 4, 6],  $f_{\text{dailytests}} = 0.01$ , test<sub>delay</sub> = [0, 0, 25], result<sub>delay</sub> = [5, 10, 5]  
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, #10

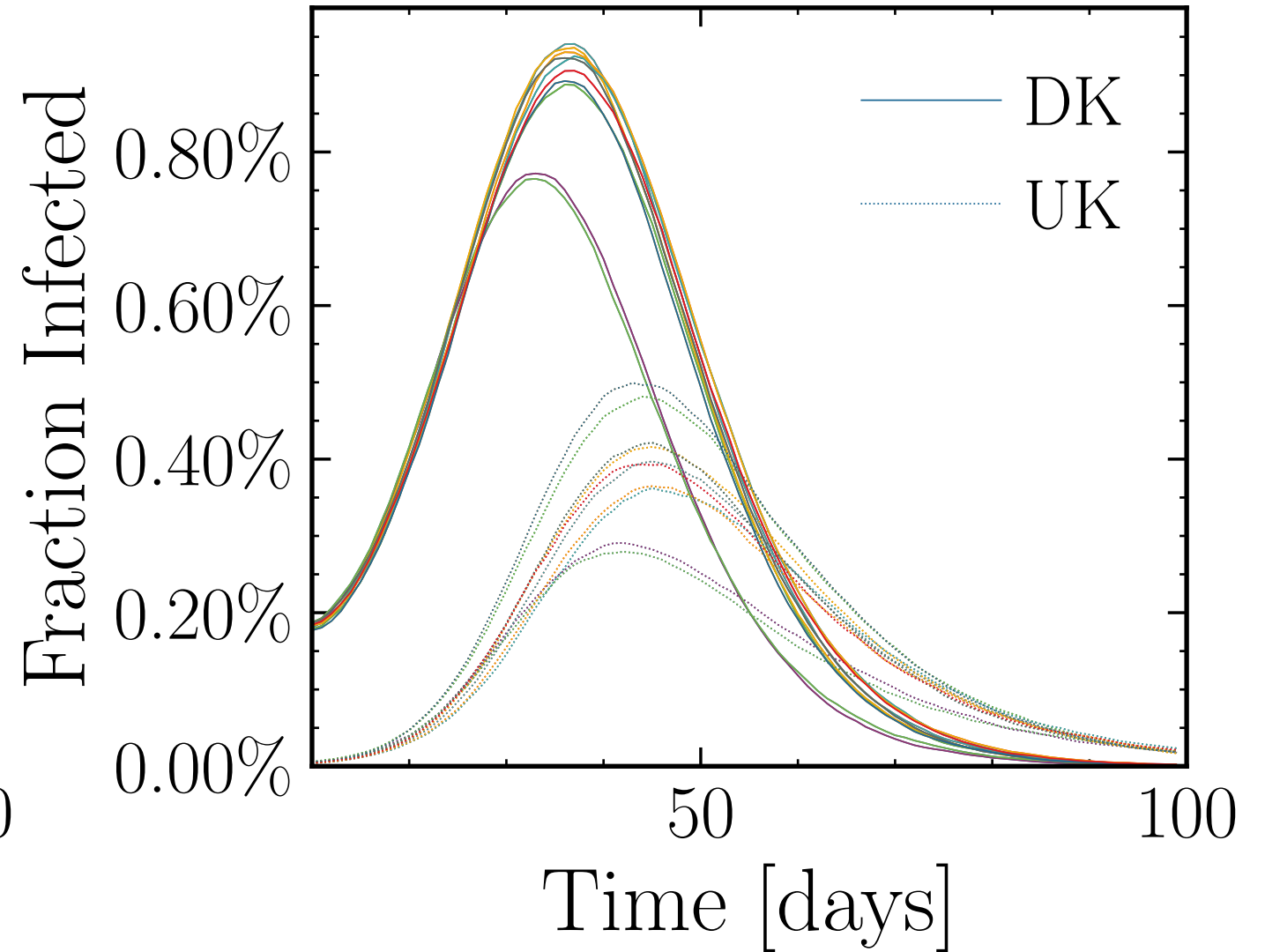
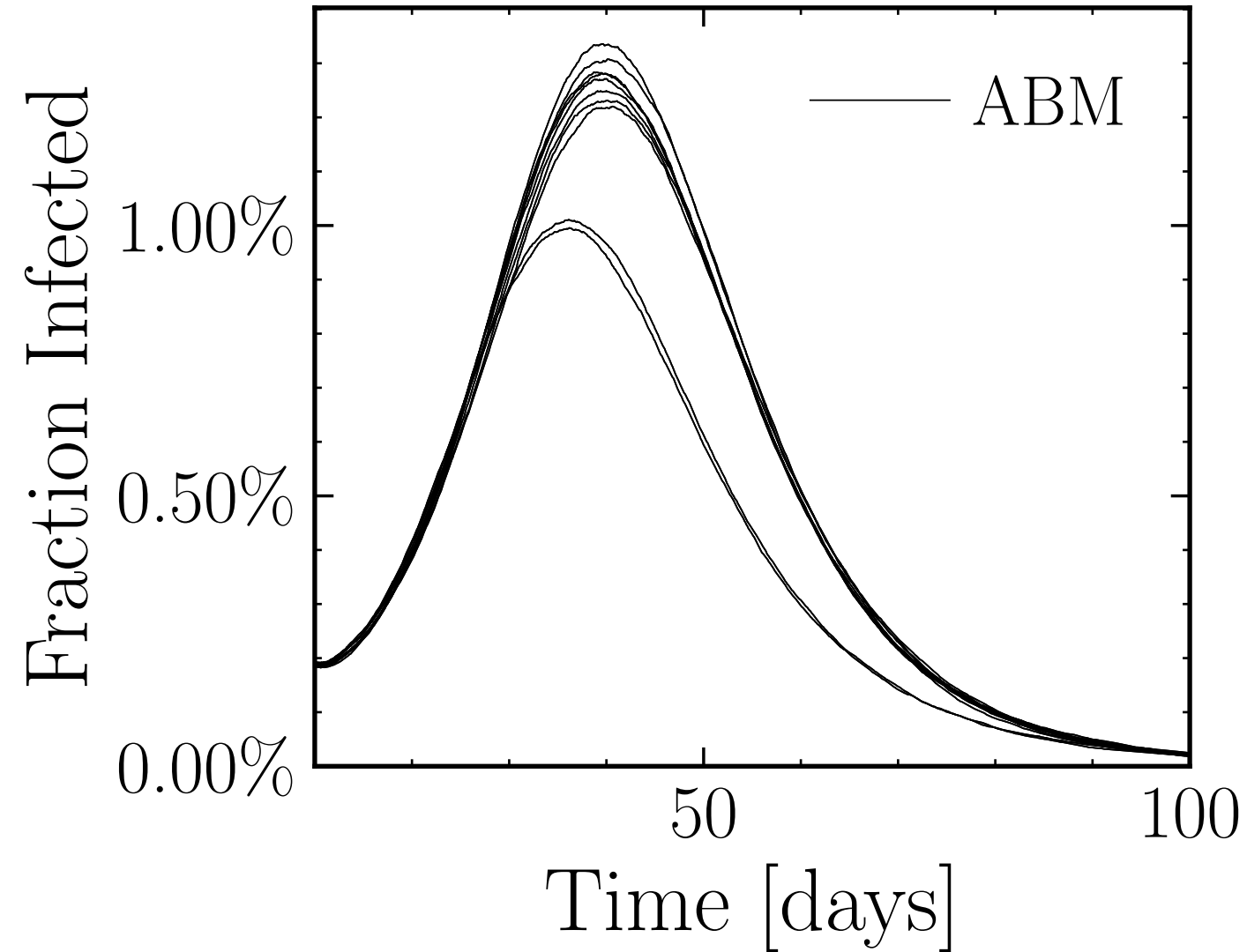


$N_{\text{tot}} = 5.8M$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 20.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.003$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 40K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ ,  $\text{rand.inf.} = \text{True}$ ,  $\text{w.rand.inf.} = \text{True}$ ,  $N_{\text{retries}}^{\text{connect}} = 0$ ,  $f_{\text{work/other}} = 0.95$ ,  $N_{\text{contacts}_{\text{max}}} = 0$ ,  $N_{\text{init.UK.}} = 500$ ,  $\beta_{\text{UK}} = 1.7$ ,  $\text{outbreak}_{\text{UK}} = \text{nordjylland}$ ,  $N_{\text{vaccinations}} = 20000$   
 $N_{\text{events}} = 0$ ,  $\text{event}_{\text{size}_{\text{max}}} = 10$ ,  $\text{event}_{\text{size}_{\text{mean}}} = 5.0$ ,  $\text{event}_{\beta_{\text{scaling}}} = 5.0$ ,  $\text{event}_{\text{weekend}_{\text{multiplier}}} = 2.0$   
 $\text{do}_{\text{int.}} = \text{False}$ ,  $\text{int.} = [1, 4, 6]$ ,  $f_{\text{dailytests}} = 0.01$ ,  $\text{test}_{\text{delay}} = [0, 0, 25]$ ,  $\text{result}_{\text{delay}} = [5, 10, 5]$   
 $\text{chance}_{\text{find.inf.}} = [0.0, 0.15, 0.15, 0.15, 0.0]$ ,  $\text{days}_{\text{look.back}} = 7$ ,  $\text{tracking}_{\text{delay}} = 10$ ,  $\#10$

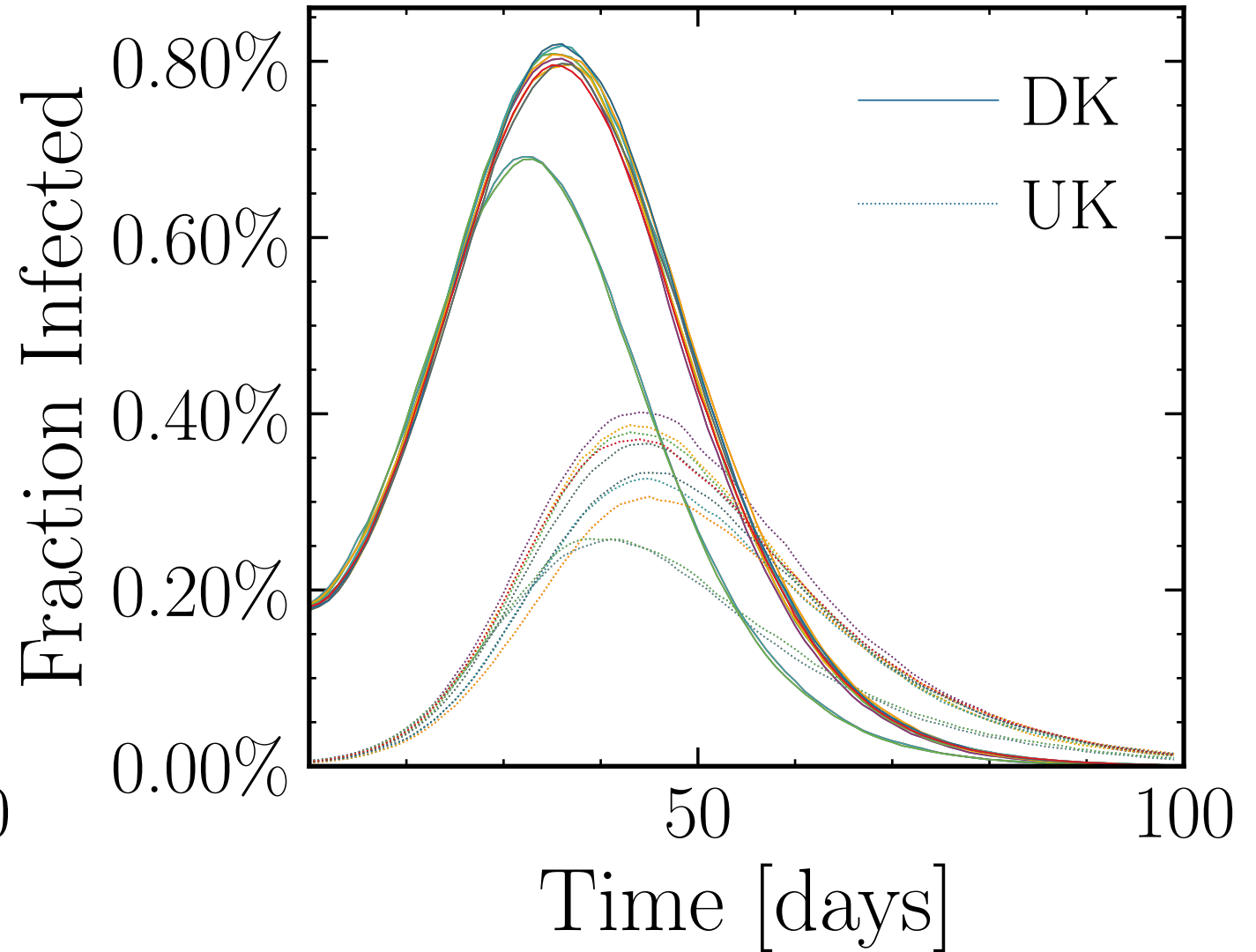
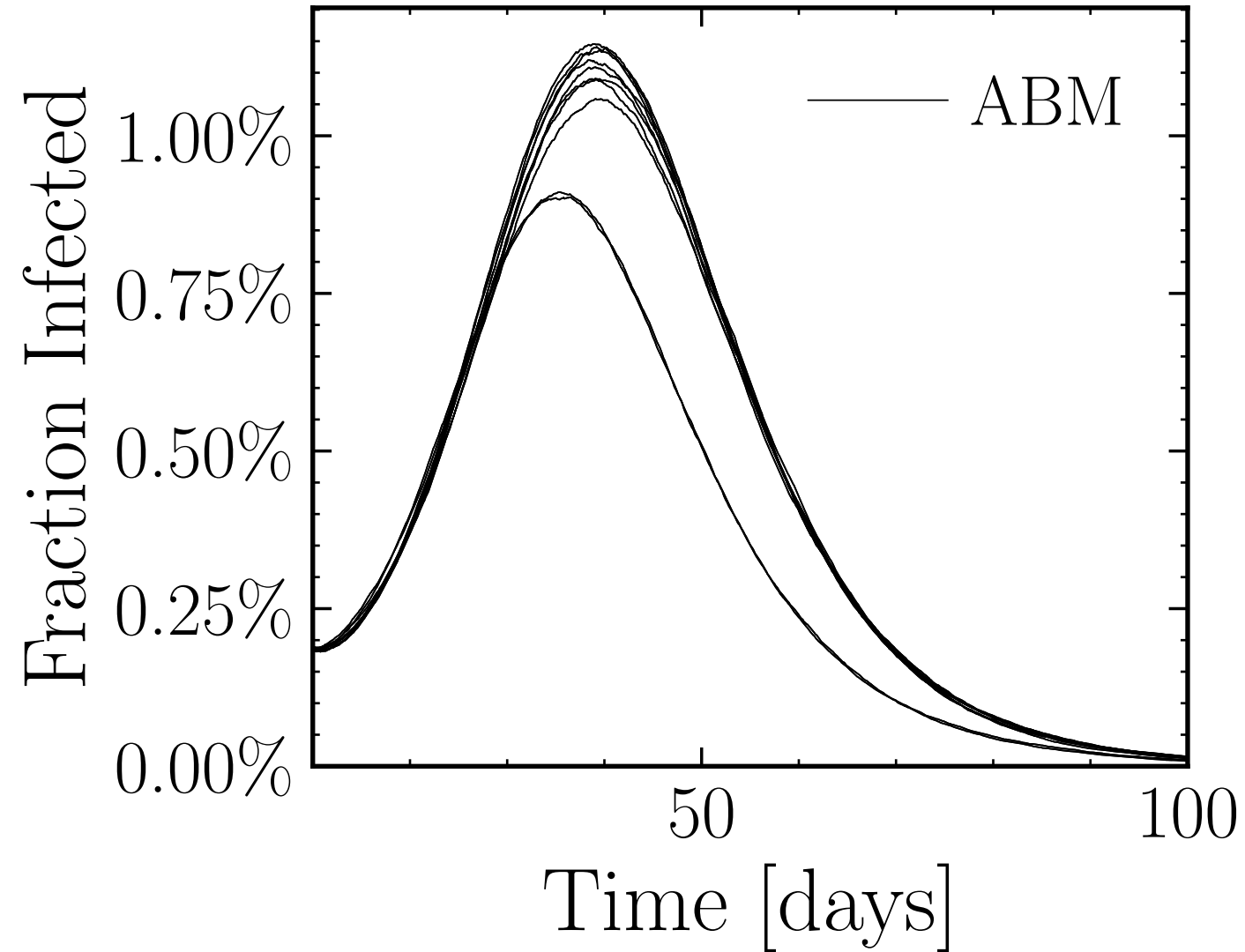




$N_{\text{tot}} = 5.8M$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 20.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.004$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 40K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ ,  $\text{rand.inf.} = \text{True}$ ,  $\text{w.rand.inf.} = \text{True}$ ,  $N_{\text{retries}}^{\text{connect}} = 0$ ,  $f_{\text{work/other}} = 0.95$ ,  $N_{\text{contacts}_{\text{max}}} = 0$ ,  $N_{\text{init.UK.}} = 500$ ,  $\beta_{\text{UK}} = 1.7$ ,  $\text{outbreak}_{\text{UK}} = \text{københavn}$ ,  $N_{\text{vaccinations}} = 0$   
 $N_{\text{events}} = 0$ ,  $\text{event}_{\text{size}_{\text{max}}} = 10$ ,  $\text{event}_{\text{size}_{\text{mean}}} = 5.0$ ,  $\text{event}_{\beta_{\text{scaling}}} = 5.0$ ,  $\text{event}_{\text{weekend}_{\text{multiplier}}} = 2.0$   
 $\text{do}_{\text{int.}} = \text{False}$ ,  $\text{int.} = [1, 4, 6]$ ,  $f_{\text{dailytests}} = 0.01$ ,  $\text{test}_{\text{delay}} = [0, 0, 25]$ ,  $\text{result}_{\text{delay}} = [5, 10, 5]$   
 $\text{chance}_{\text{find.inf.}} = [0.0, 0.15, 0.15, 0.15, 0.0]$ ,  $\text{days}_{\text{look.back}} = 7$ ,  $\text{tracking}_{\text{delay}} = 10$ ,  $\#20$

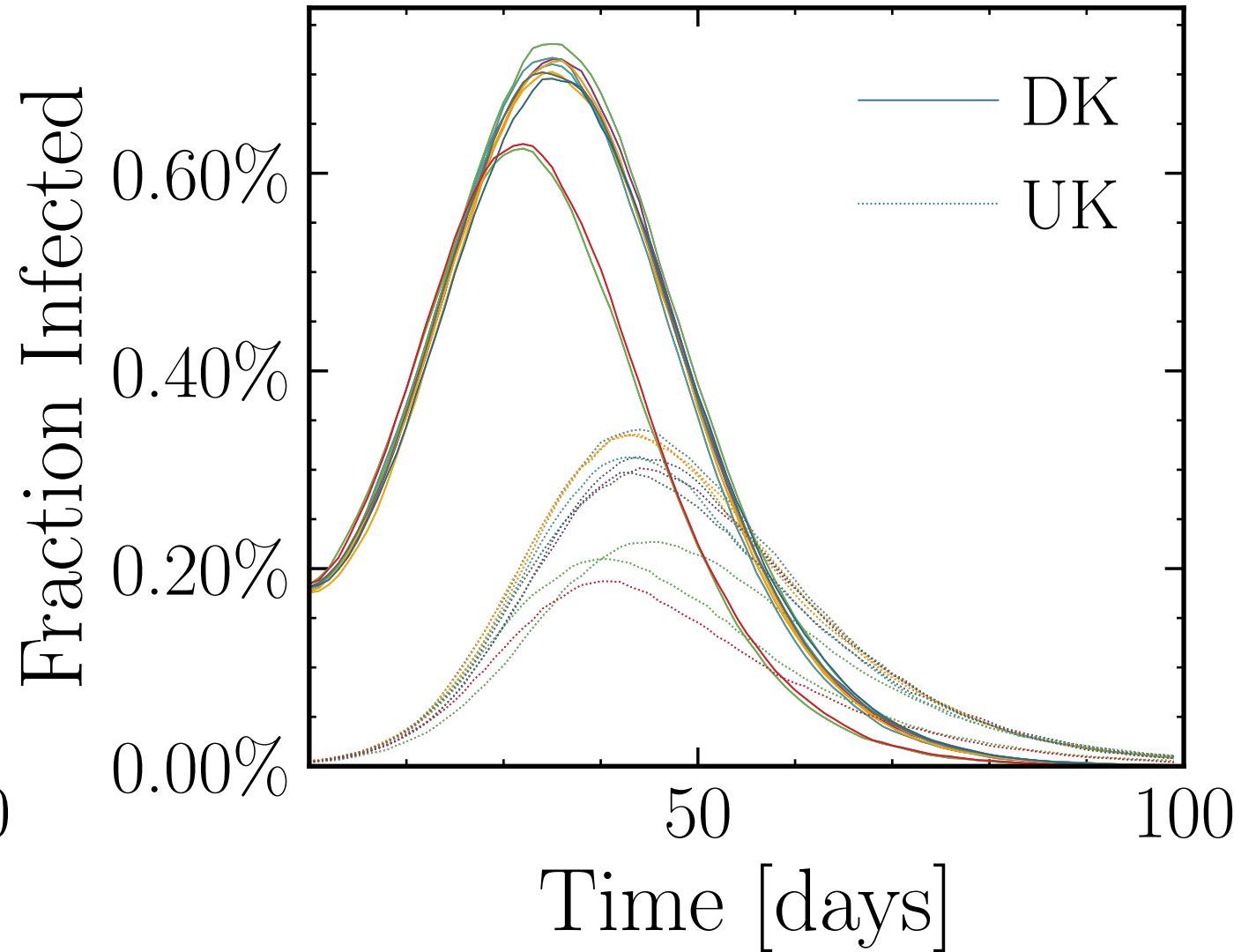
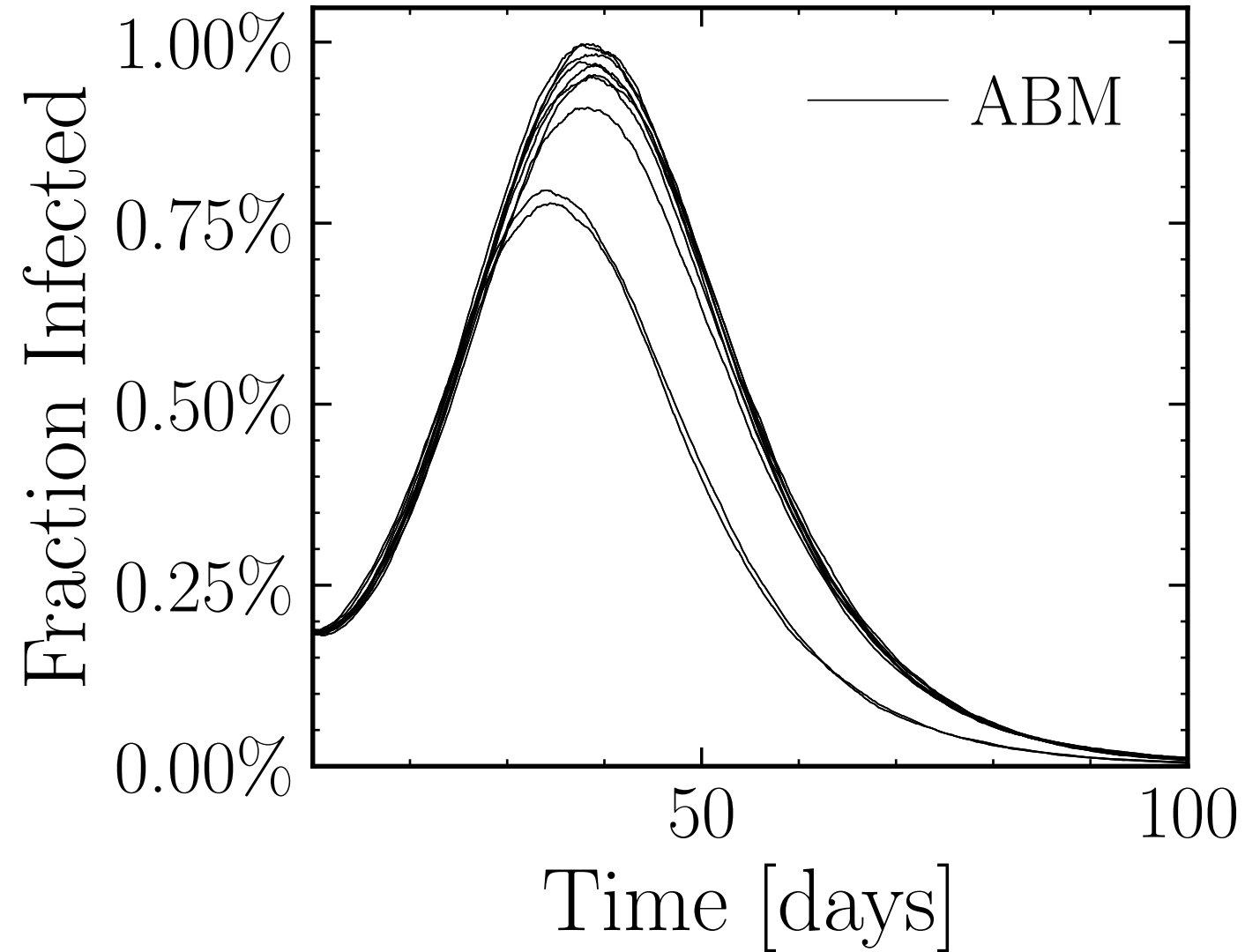


$N_{\text{tot}} = 5.8M$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 20.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.004$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 40K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ ,  $\text{rand.inf.} = \text{True}$ ,  $\text{w.rand.inf.} = \text{True}$ ,  $N_{\text{connect}}^{\text{connect}} = 0$ ,  $f_{\text{work/other}} = 0.95$ ,  $N_{\text{contactsmax}} = 0$ ,  $N_{\text{init.UK.}} = 500$ ,  $\beta_{\text{UK.}} = 1.7$ ,  $\text{outbreak}_{\text{UK.}} = \text{københavn}$ ,  $N_{\text{vaccinations}} = 10000$   
 $N_{\text{events}} = 0$ ,  $\text{event}_{\text{size}_{\text{max}}} = 10$ ,  $\text{event}_{\text{size}_{\text{mean}}} = 5.0$ ,  $\text{event}_{\beta_{\text{scaling}}} = 5.0$ ,  $\text{event}_{\text{weekend}_{\text{multiplier}}} = 2.0$   
 $\text{do}_{\text{int.}} = \text{False}$ ,  $\text{int.} = [1, 4, 6]$ ,  $f_{\text{dailytests}} = 0.01$ ,  $\text{test}_{\text{delay}} = [0, 0, 25]$ ,  $\text{result}_{\text{delay}} = [5, 10, 5]$   
 $\text{chance}_{\text{find.inf.}} = [0.0, 0.15, 0.15, 0.15, 0.0]$ ,  $\text{days}_{\text{look.back}} = 7$ ,  $\text{tracking}_{\text{delay}} = 10$ ,  $\#20$

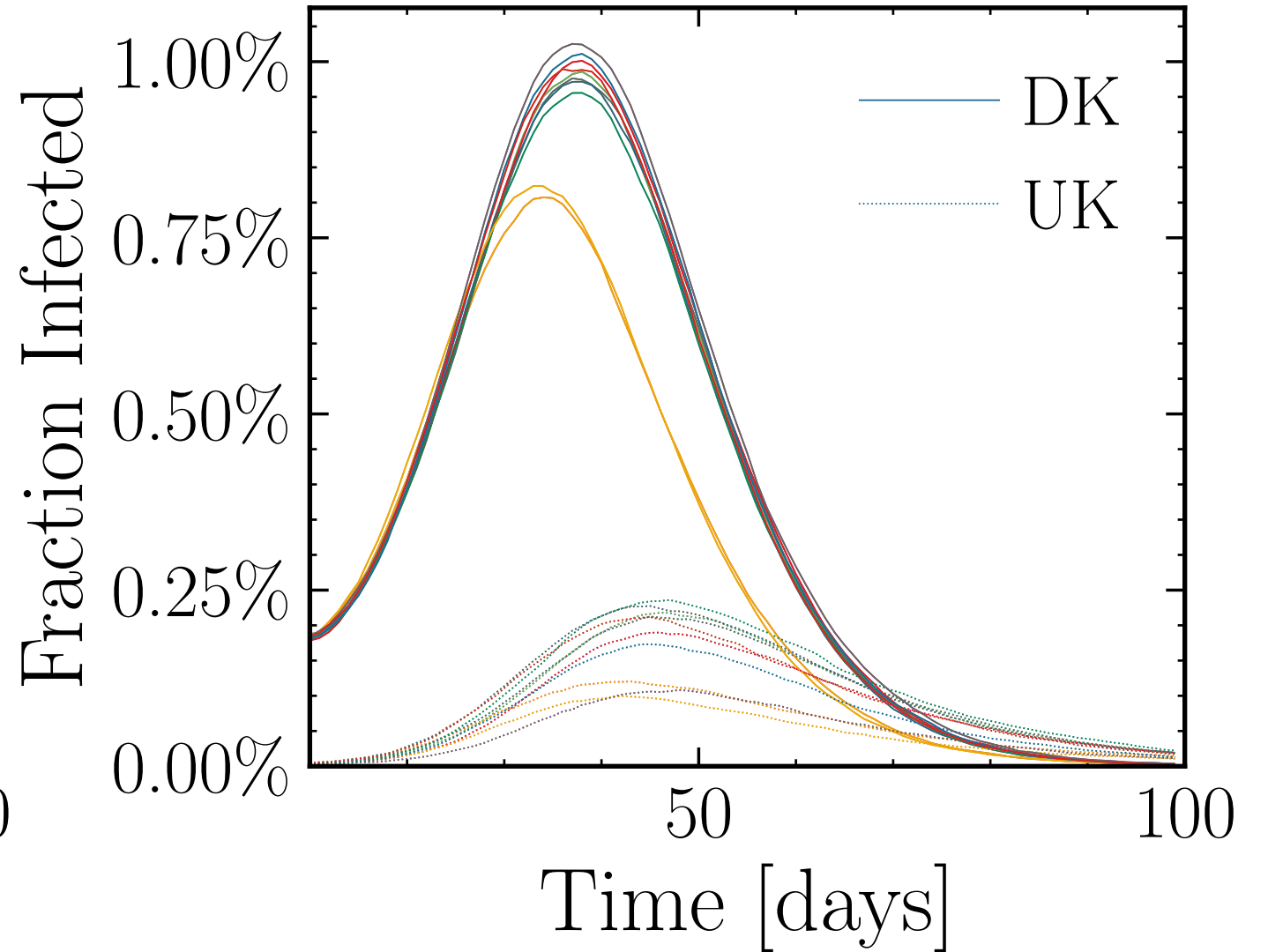
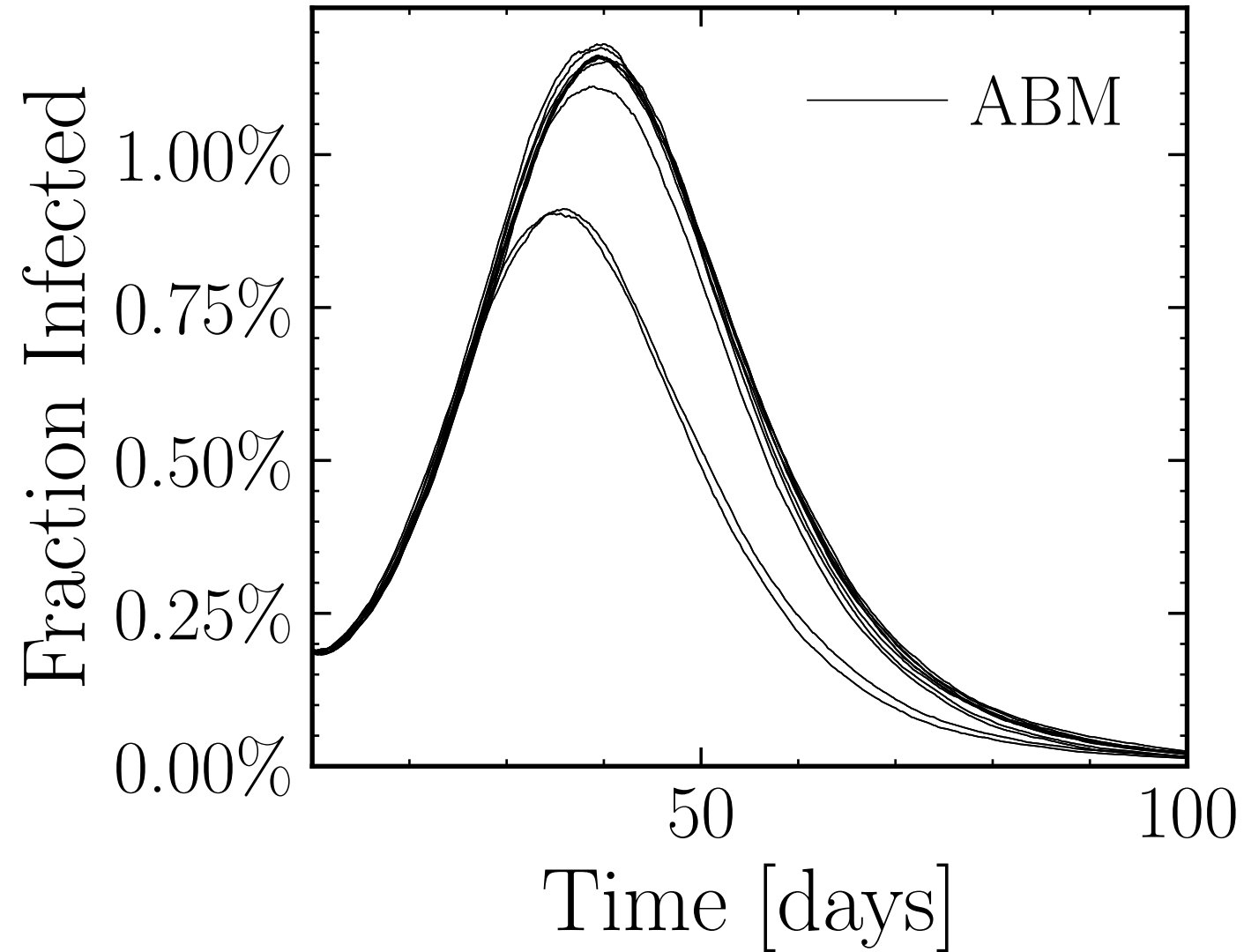




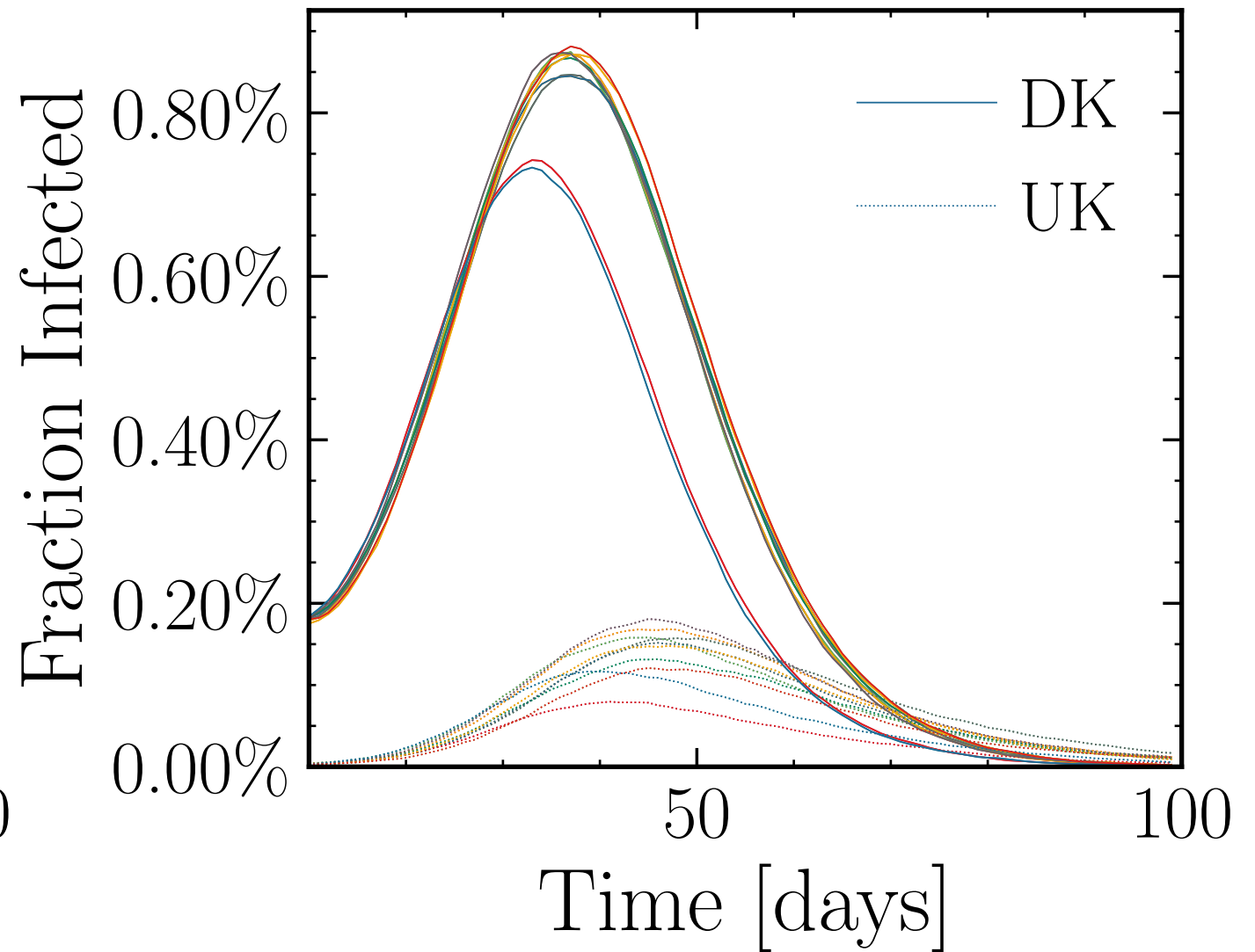
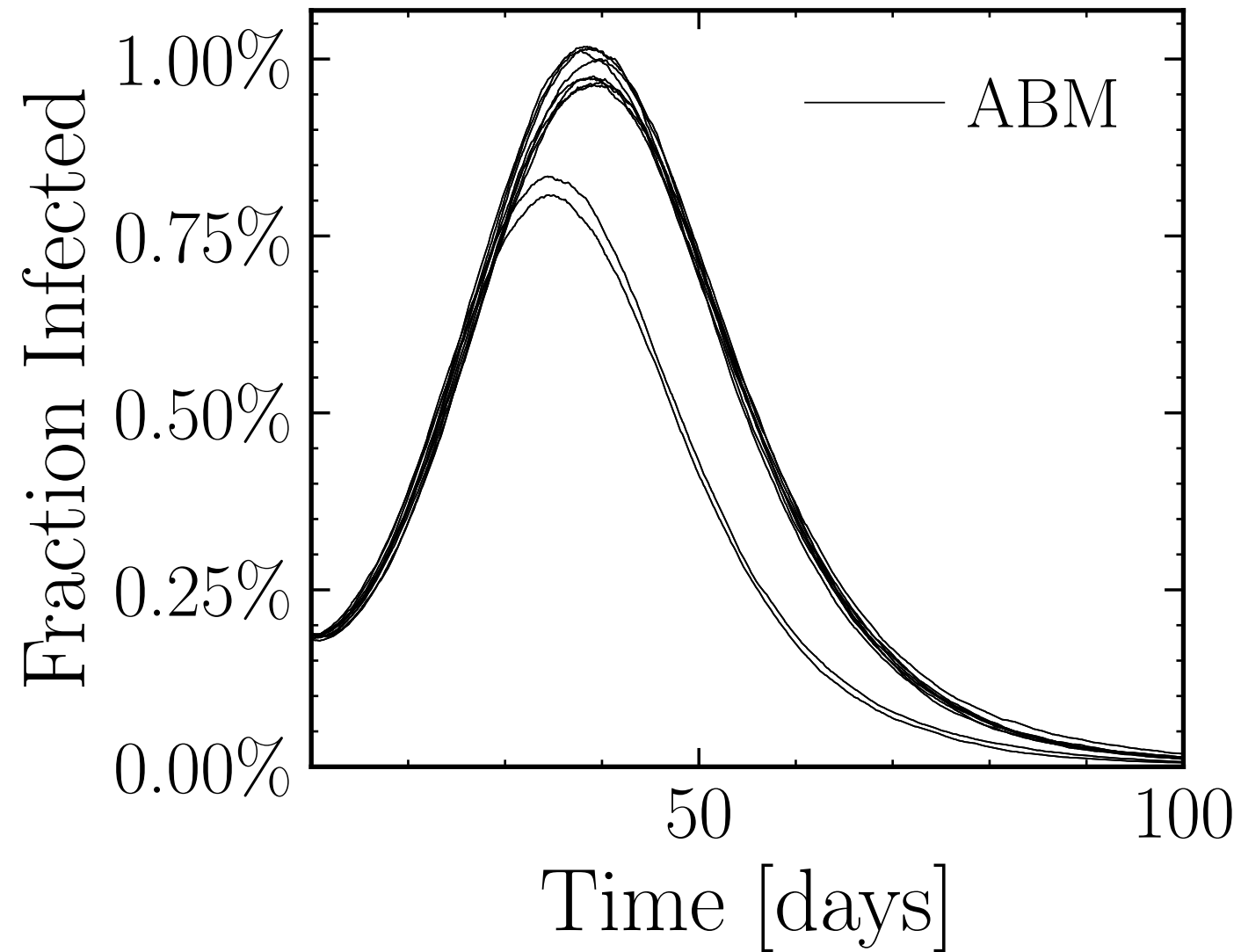
$N_{\text{tot}} = 5.8M$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 20.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.004$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 40K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True, w.rand.inf. = True,  $N_{\text{connect}}^{\text{retries}} = 0$ ,  $f_{\text{work/other}} = 0.95$ ,  $N_{\text{contacts}_{\text{max}}} = 0$ ,  $N_{\text{init.UK.}} = 500$ ,  $\beta_{\text{UK}} = 1.7$ , outbreak<sub>UK</sub> = københavn,  $N_{\text{vaccinations}} = 20000$   
 $N_{\text{events}} = 0$ , event<sub>size<sub>max</sub></sub> = 10, event<sub>size<sub>mean</sub></sub> = 5.0, event <sub>$\beta_{\text{scaling}}$</sub>  = 5.0, event<sub>weekend<sub>multiplier</sub></sub> = 2.0  
do<sub>int.</sub> = False, int. = [1, 4, 6],  $f_{\text{dailytests}} = 0.01$ , test<sub>delay</sub> = [0, 0, 25], result<sub>delay</sub> = [5, 10, 5]  
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, #20



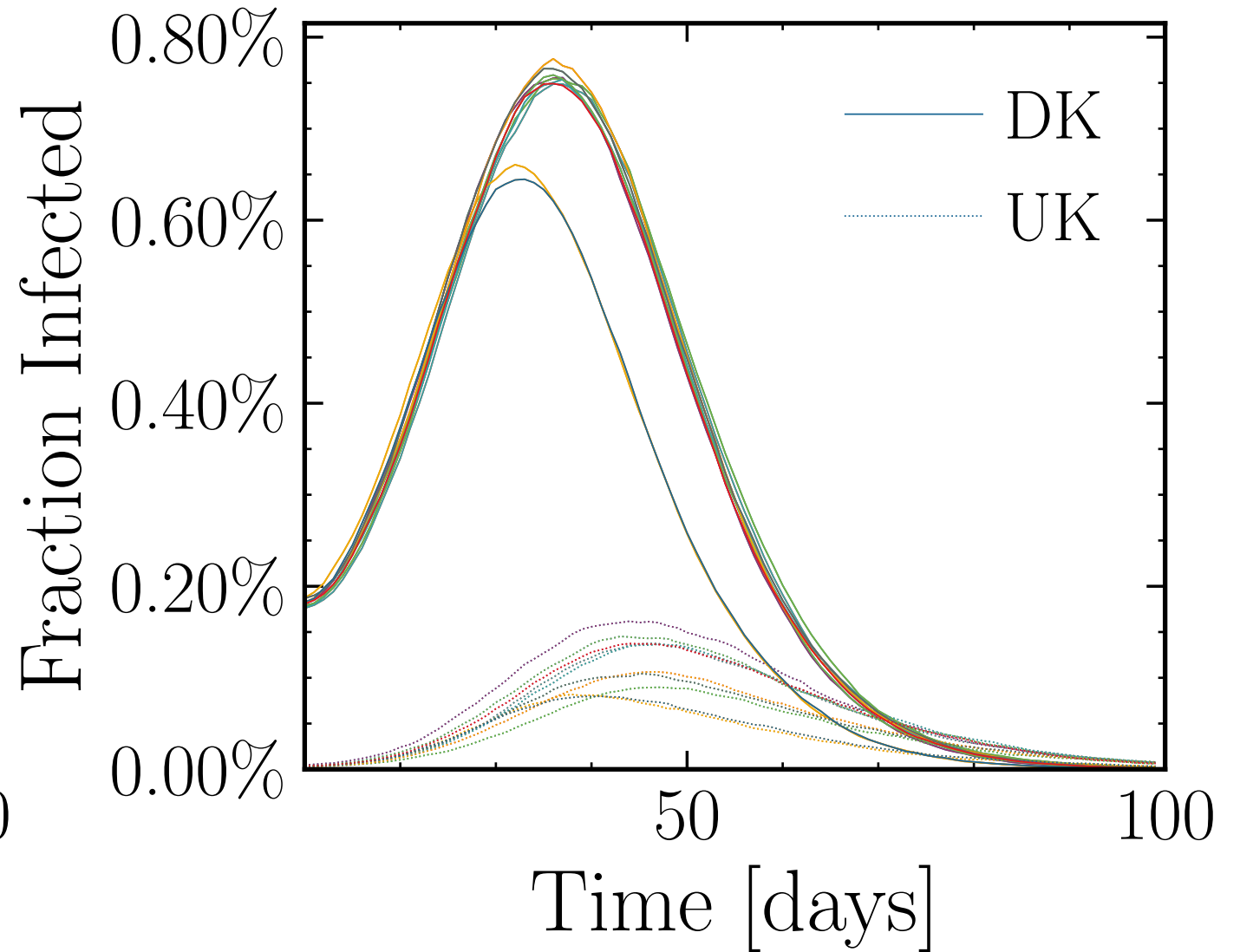
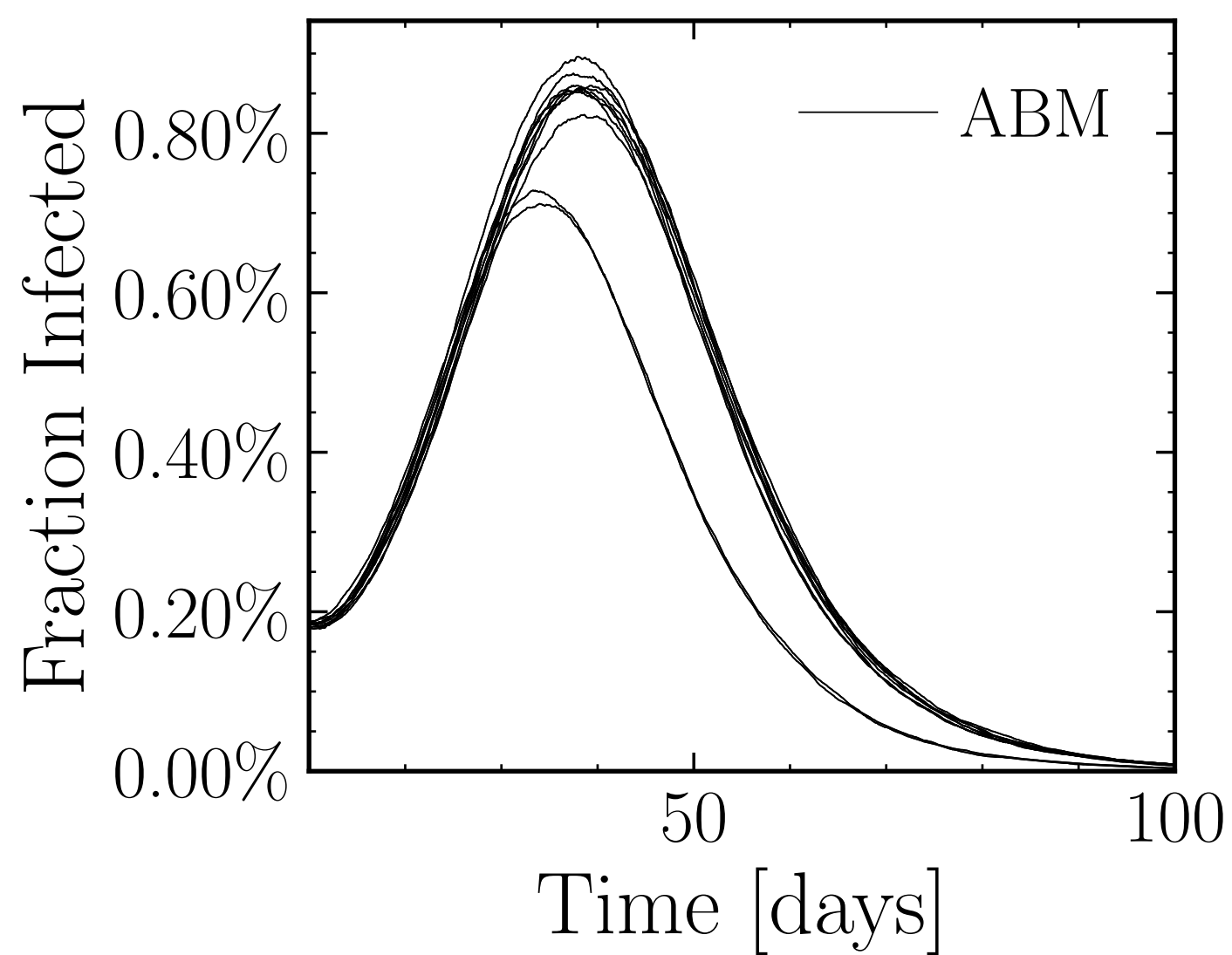
$N_{\text{tot}} = 5.8M$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 20.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.004$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 40K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ ,  $\text{rand.inf.} = \text{True}$ ,  $\text{w.rand.inf.} = \text{True}$ ,  $N_{\text{connect}}^{\text{retries}} = 0$ ,  $f_{\text{work/other}} = 0.95$ ,  $N_{\text{contacts}_{\text{max}}} = 0$ ,  $N_{\text{init.UK.}} = 500$ ,  $\beta_{\text{UK.}} = 1.7$ ,  $\text{outbreak}_{\text{UK.}} = \text{nordjylland}$ ,  $N_{\text{vaccinations}} = 0$   
 $N_{\text{events}} = 0$ ,  $\text{event}_{\text{size}_{\text{max}}} = 10$ ,  $\text{event}_{\text{size}_{\text{mean}}} = 5.0$ ,  $\text{event}_{\beta_{\text{scaling}}} = 5.0$ ,  $\text{event}_{\text{weekend}_{\text{multiplier}}} = 2.0$   
 $\text{do}_{\text{int.}} = \text{False}$ ,  $\text{int.} = [1, 4, 6]$ ,  $f_{\text{dailytests}} = 0.01$ ,  $\text{test}_{\text{delay}} = [0, 0, 25]$ ,  $\text{result}_{\text{delay}} = [5, 10, 5]$   
 $\text{chance}_{\text{find.inf.}} = [0.0, 0.15, 0.15, 0.15, 0.0]$ ,  $\text{days}_{\text{look.back}} = 7$ ,  $\text{tracking}_{\text{delay}} = 10$ ,  $\#20$



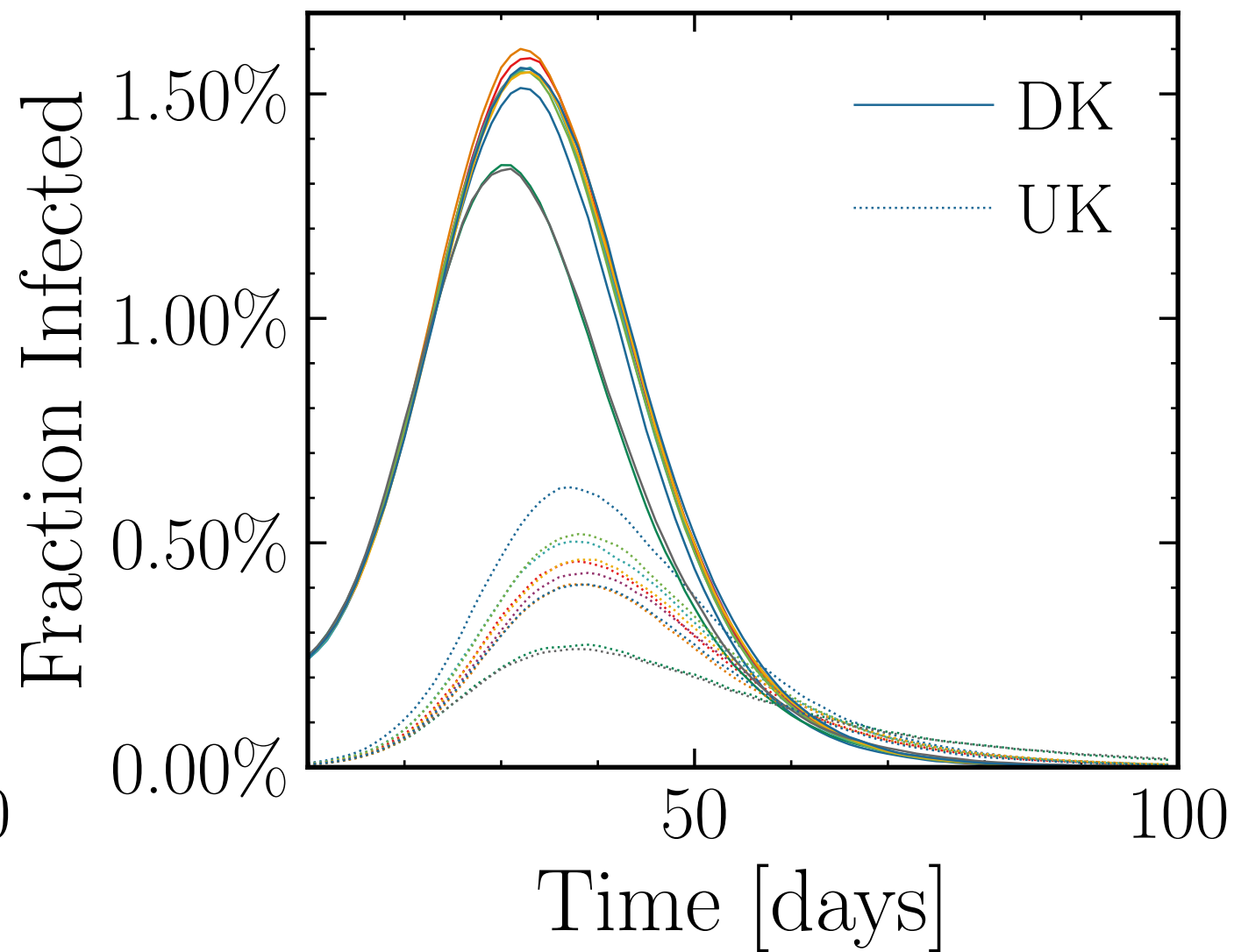
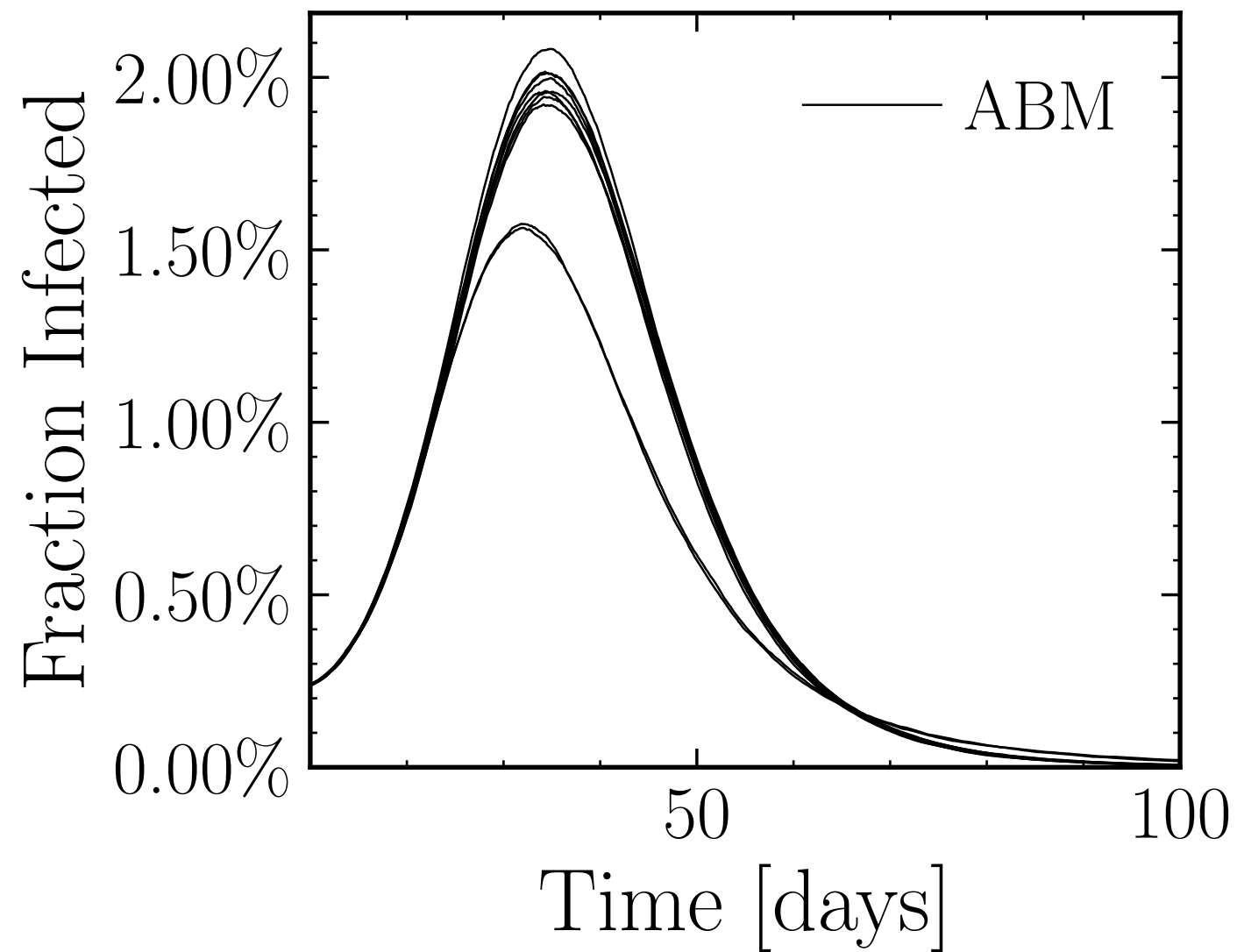
$N_{\text{tot}} = 5.8M$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 20.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.004$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 40K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ ,  $\text{rand.inf.} = \text{True}$ ,  $\text{w.rand.inf.} = \text{True}$ ,  $N_{\text{retries}}^{\text{connect}} = 0$ ,  $f_{\text{work/other}} = 0.95$ ,  $N_{\text{contacts}_{\text{max}}} = 0$ ,  $N_{\text{init.UK.}} = 500$ ,  $\beta_{\text{UK}} = 1.7$ ,  $\text{outbreak}_{\text{UK}} = \text{nordjylland}$ ,  $N_{\text{vaccinations}} = 10000$   
 $N_{\text{events}} = 0$ ,  $\text{event}_{\text{size}_{\text{max}}} = 10$ ,  $\text{event}_{\text{size}_{\text{mean}}} = 5.0$ ,  $\text{event}_{\beta_{\text{scaling}}} = 5.0$ ,  $\text{event}_{\text{weekend}_{\text{multiplier}}} = 2.0$   
 $\text{do}_{\text{int.}} = \text{False}$ ,  $\text{int.} = [1, 4, 6]$ ,  $f_{\text{dailytests}} = 0.01$ ,  $\text{test}_{\text{delay}} = [0, 0, 25]$ ,  $\text{result}_{\text{delay}} = [5, 10, 5]$   
 $\text{chance}_{\text{find.inf.}} = [0.0, 0.15, 0.15, 0.15, 0.0]$ ,  $\text{days}_{\text{look.back}} = 7$ ,  $\text{tracking}_{\text{delay}} = 10$ ,  $\#20$



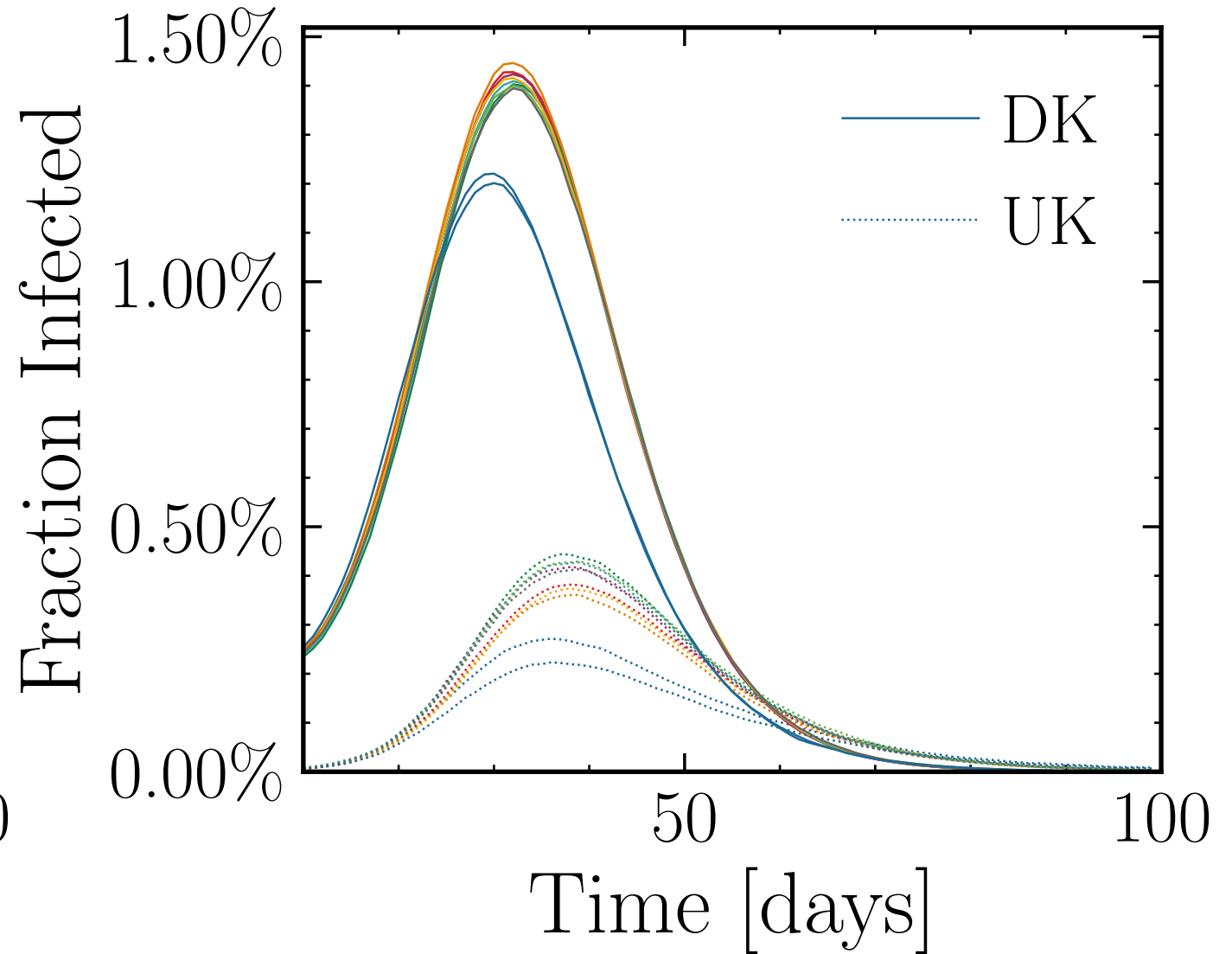
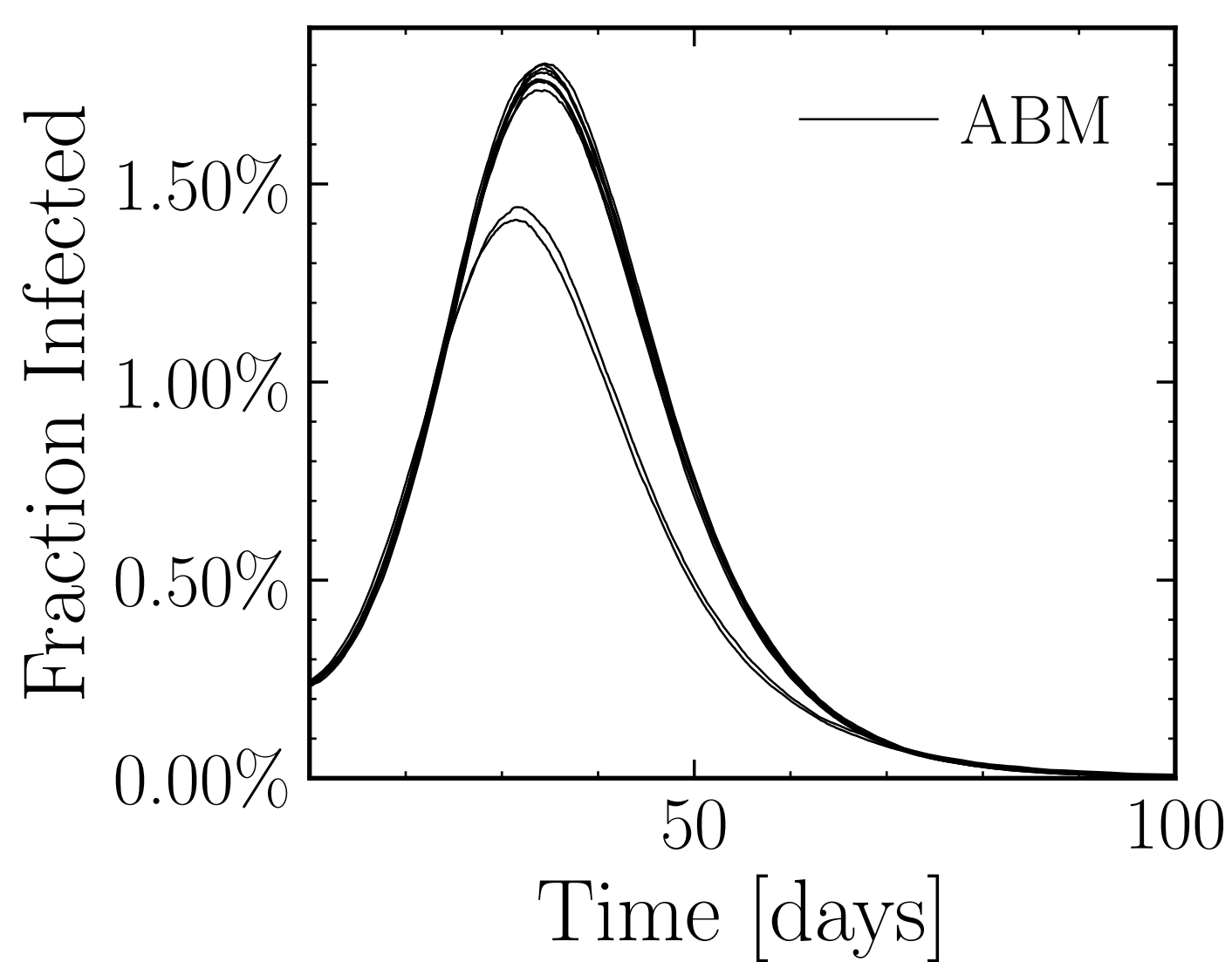
$N_{\text{tot}} = 5.8M$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 20.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.004$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 40K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True, w.rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$ ,  $f_{\text{work/other}} = 0.95$ ,  $N_{\text{contacts}_{\text{max}}} = 0$ ,  $N_{\text{init.UK.}} = 500$ ,  $\beta_{\text{UK}} = 1.7$ , outbreak<sub>UK</sub> = nordjylland,  $N_{\text{vaccinations}} = 20000$   
 $N_{\text{events}} = 0$ , event<sub>size<sub>max</sub></sub> = 10, event<sub>size<sub>mean</sub></sub> = 5.0, event <sub>$\beta_{\text{scaling}}$</sub>  = 5.0, event<sub>weekend<sub>multiplier</sub></sub> = 2.0  
do<sub>int.</sub> = False, int. = [1, 4, 6],  $f_{\text{dailytests}} = 0.01$ , test<sub>delay</sub> = [0, 0, 25], result<sub>delay</sub> = [5, 10, 5]  
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, #20



$N_{\text{tot}} = 5.8M$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 20.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.005$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 40K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ ,  $\text{rand.inf.} = \text{True}$ ,  $\text{w.rand.inf.} = \text{True}$ ,  $N_{\text{retries}}^{\text{connect}} = 0$ ,  $f_{\text{work/other}} = 0.95$ ,  $N_{\text{contacts}_{\text{max}}} = 0$ ,  $N_{\text{init.UK.}} = 500$ ,  $\beta_{\text{UK}} = 1.7$ ,  $\text{outbreak}_{\text{UK}} = \text{københavn}$ ,  $N_{\text{vaccinations}} = 0$   
 $N_{\text{events}} = 0$ ,  $\text{event}_{\text{size}_{\text{max}}} = 10$ ,  $\text{event}_{\text{size}_{\text{mean}}} = 5.0$ ,  $\text{event}_{\beta_{\text{scaling}}} = 5.0$ ,  $\text{event}_{\text{weekend}_{\text{multiplier}}} = 2.0$   
 $\text{do}_{\text{int.}} = \text{False}$ ,  $\text{int.} = [1, 4, 6]$ ,  $f_{\text{dailytests}} = 0.01$ ,  $\text{test}_{\text{delay}} = [0, 0, 25]$ ,  $\text{result}_{\text{delay}} = [5, 10, 5]$   
 $\text{chance}_{\text{find.inf.}} = [0.0, 0.15, 0.15, 0.15, 0.0]$ ,  $\text{days}_{\text{look.back}} = 7$ ,  $\text{tracking}_{\text{delay}} = 10$ ,  $\#10$

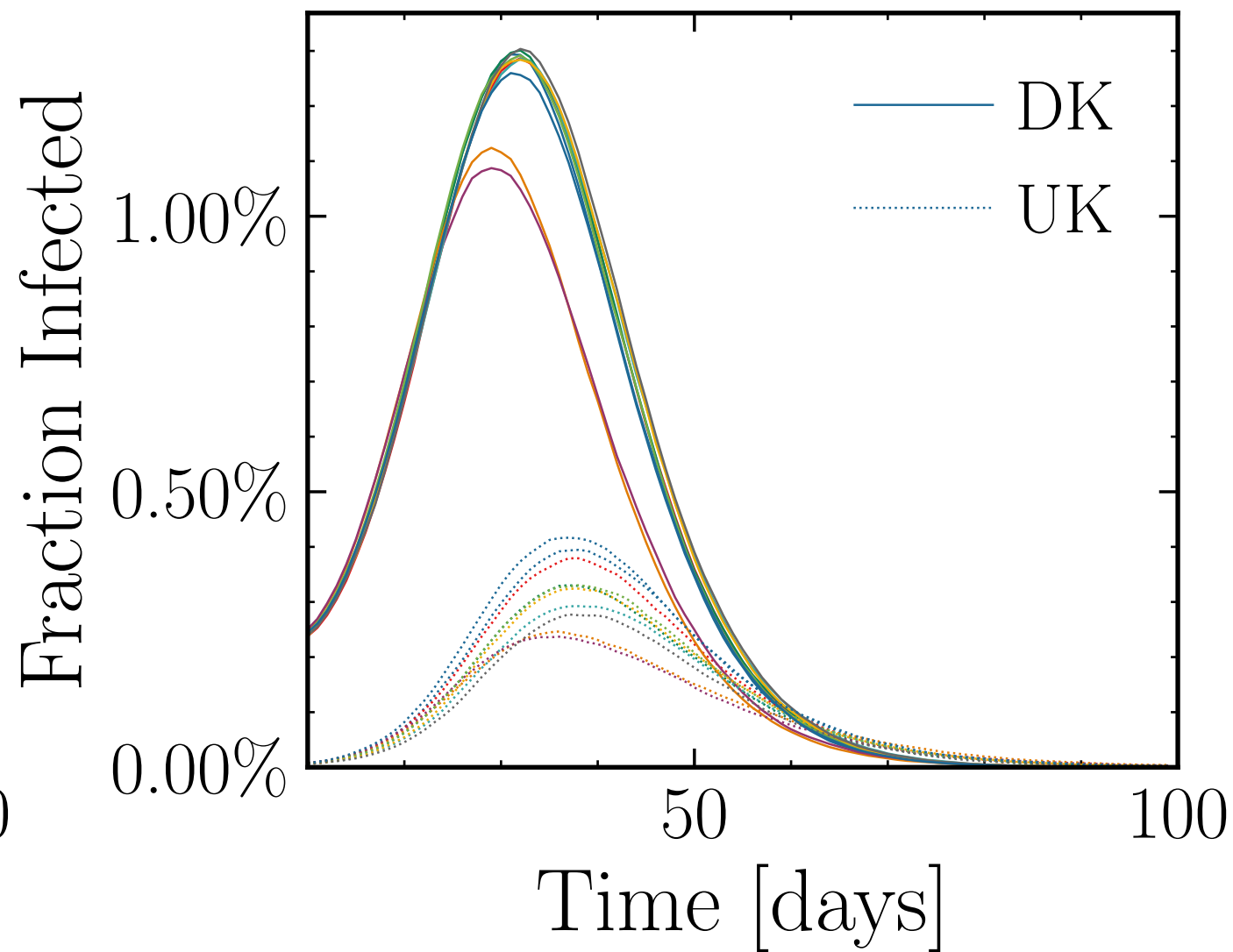
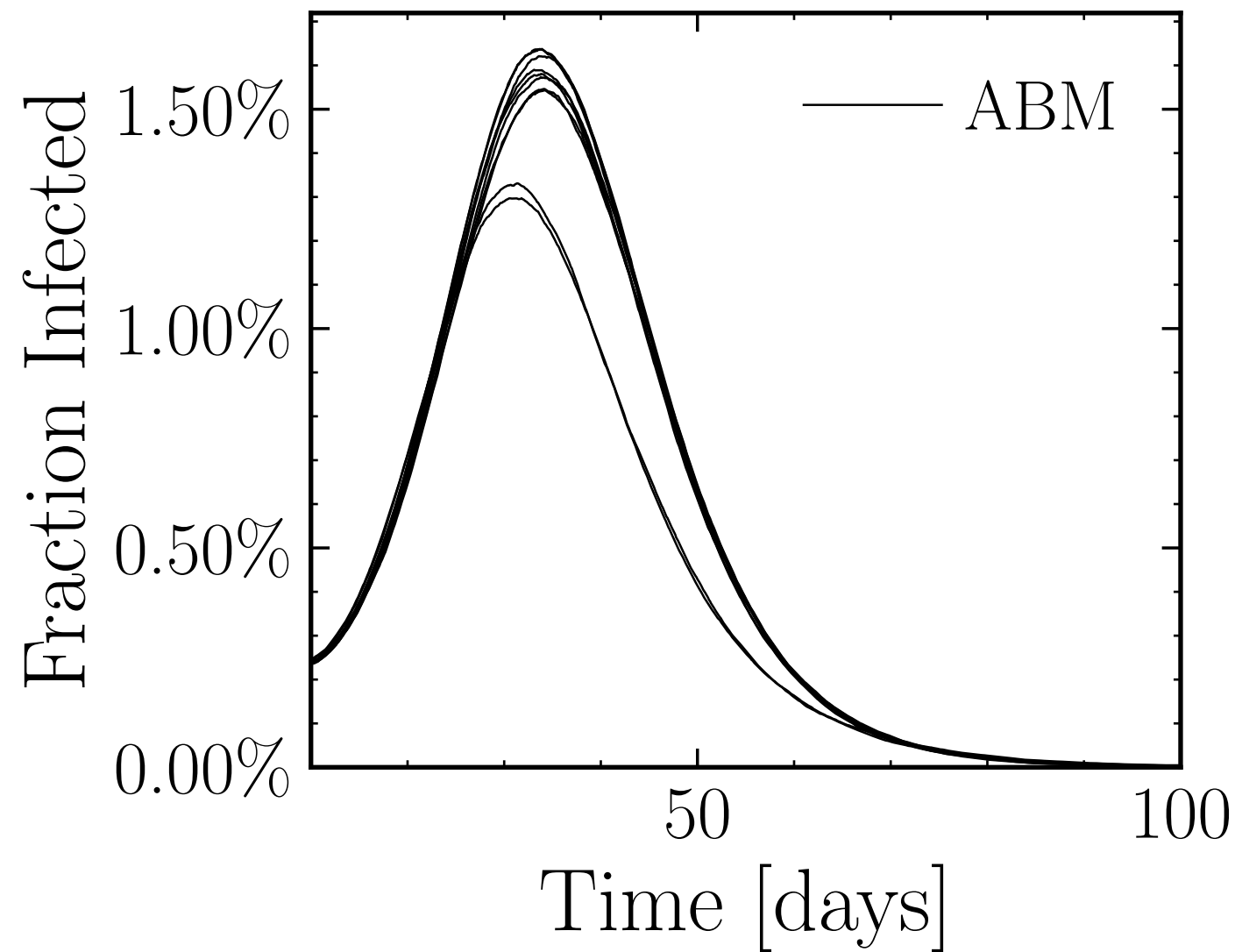


$N_{\text{tot}} = 5.8M$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 20.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.005$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 40K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ ,  $\text{rand.inf.} = \text{True}$ ,  $\text{w.rand.inf.} = \text{True}$ ,  $N_{\text{connect}}^{\text{retries}} = 0$ ,  $f_{\text{work/other}} = 0.95$ ,  $N_{\text{contactsmax}} = 0$ ,  $N_{\text{init.UK.}} = 500$ ,  $\beta_{\text{UK}} = 1.7$ ,  $\text{outbreak}_{\text{UK}} = \text{københavn}$ ,  $N_{\text{vaccinations}} = 10000$   
 $N_{\text{events}} = 0$ ,  $\text{event}_{\text{size}_{\text{max}}} = 10$ ,  $\text{event}_{\text{size}_{\text{mean}}} = 5.0$ ,  $\text{event}_{\beta_{\text{scaling}}} = 5.0$ ,  $\text{event}_{\text{weekend}_{\text{multiplier}}} = 2.0$   
 $\text{do}_{\text{int.}} = \text{False}$ ,  $\text{int.} = [1, 4, 6]$ ,  $f_{\text{dailytests}} = 0.01$ ,  $\text{test}_{\text{delay}} = [0, 0, 25]$ ,  $\text{result}_{\text{delay}} = [5, 10, 5]$   
 $\text{chance}_{\text{find.inf.}} = [0.0, 0.15, 0.15, 0.15, 0.0]$ ,  $\text{days}_{\text{look.back}} = 7$ ,  $\text{tracking}_{\text{delay}} = 10$ ,  $\#10$

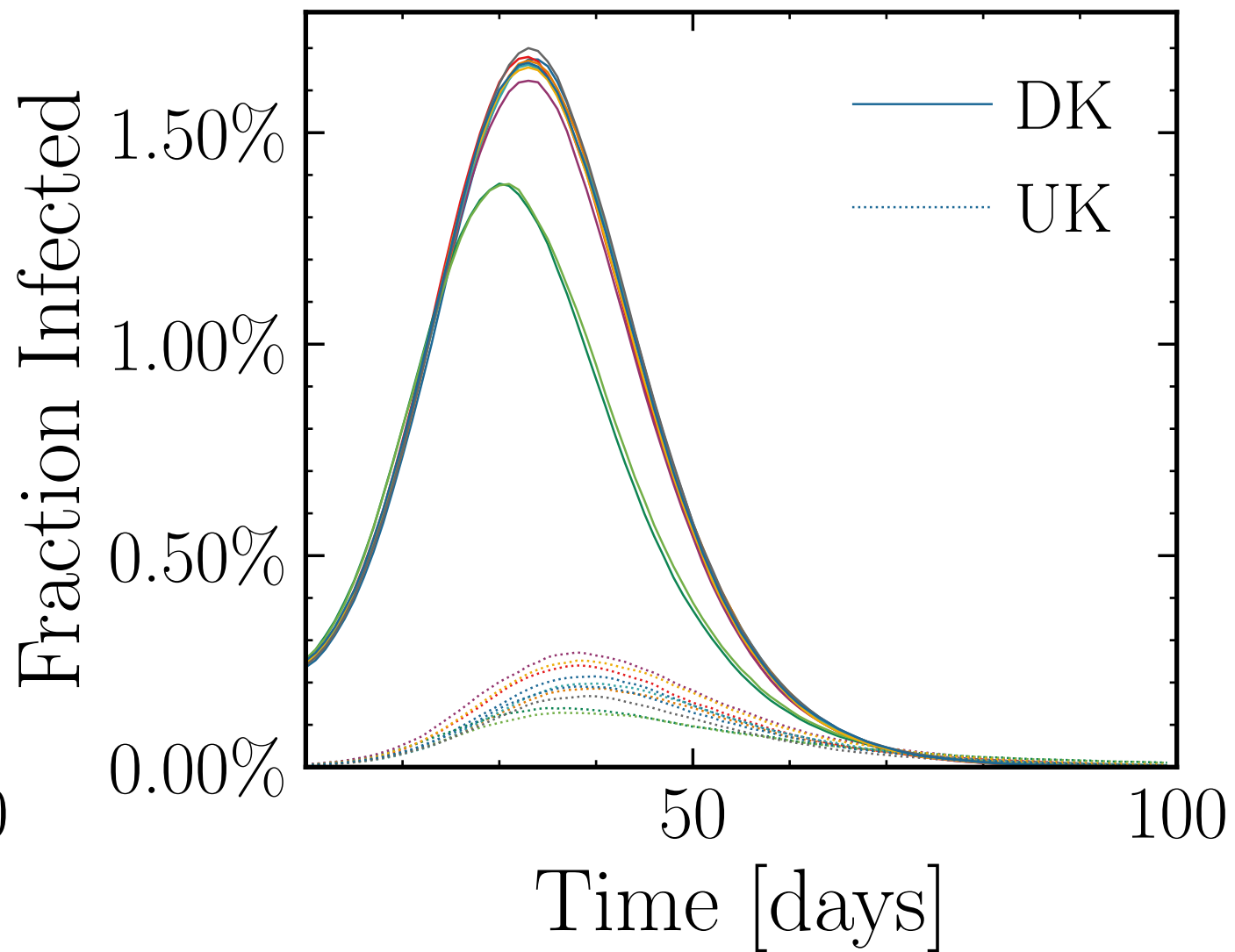
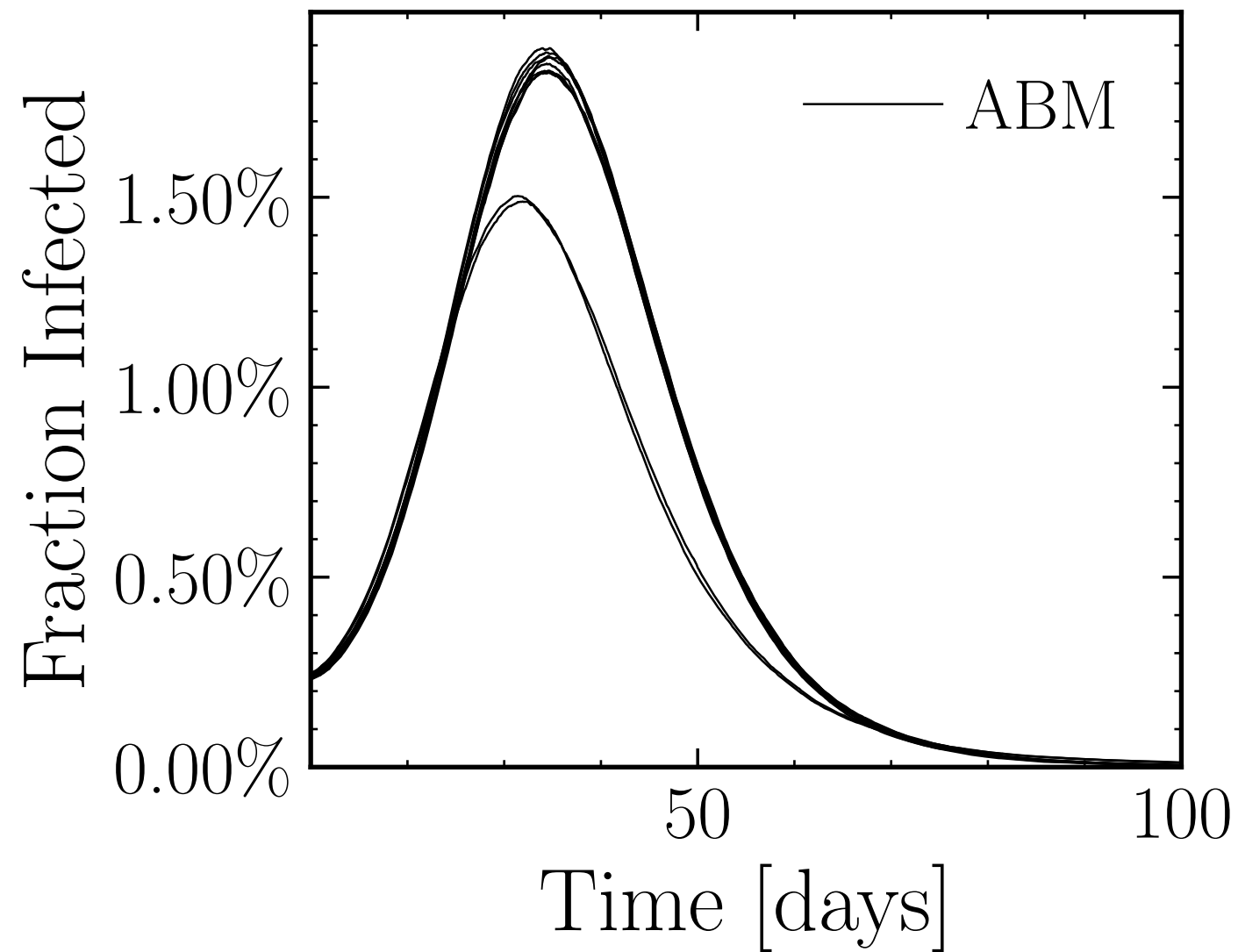




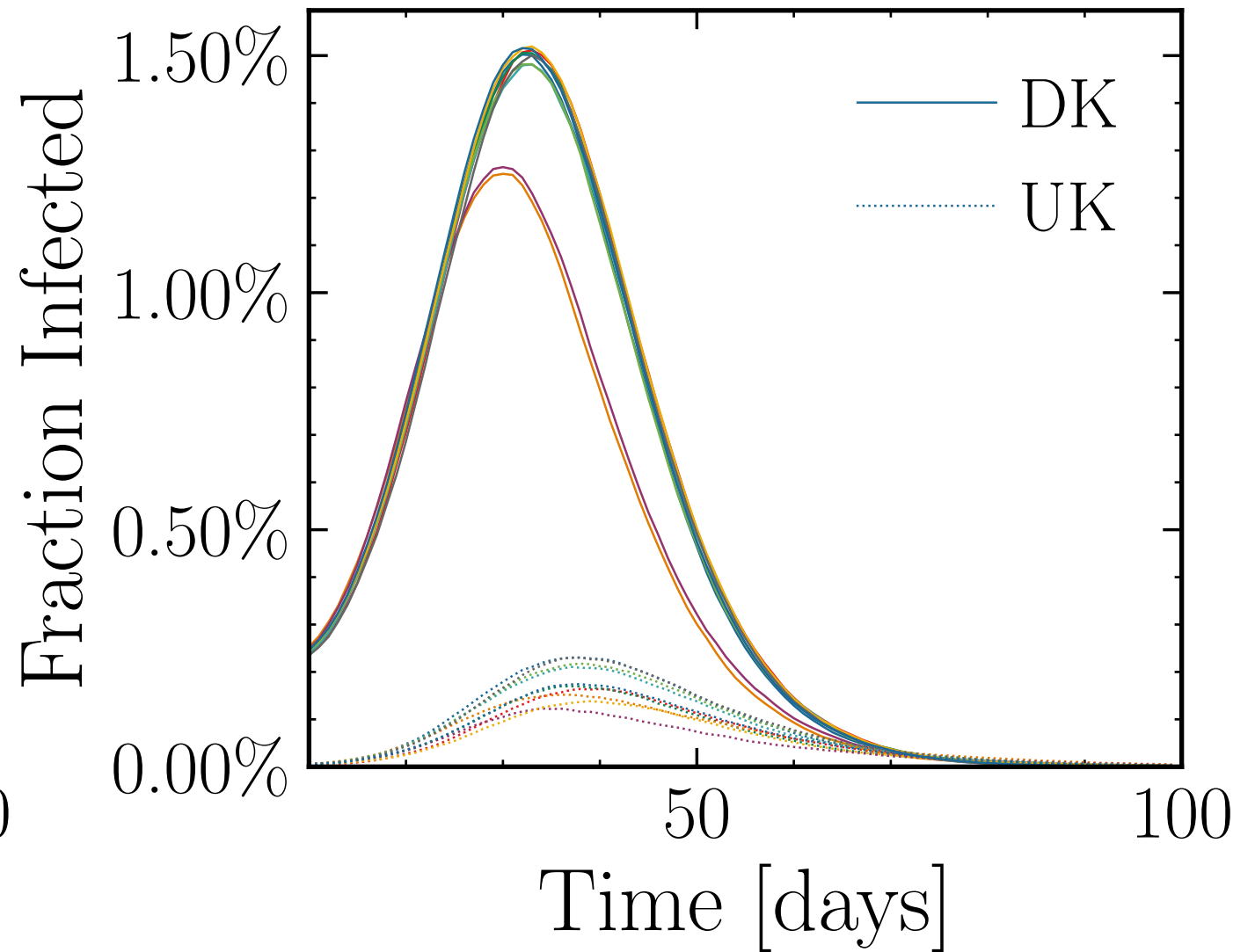
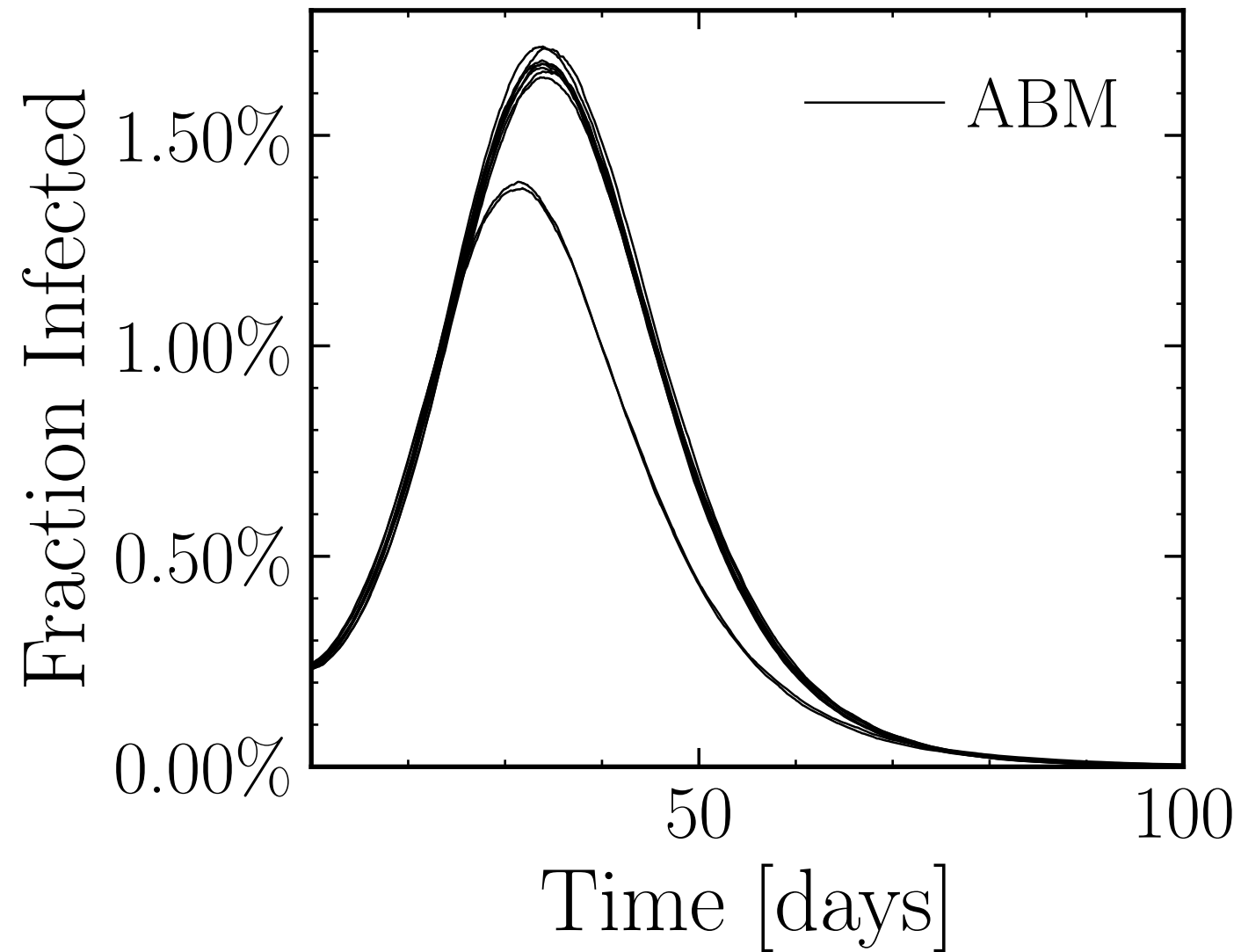
$N_{\text{tot}} = 5.8M$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 20.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.005$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 40K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True, w.rand.inf. = True,  $N_{\text{connect}}^{\text{retries}} = 0$ ,  $f_{\text{work/other}} = 0.95$ ,  $N_{\text{contacts}_{\text{max}}} = 0$ ,  $N_{\text{init.UK.}} = 500$ ,  $\beta_{\text{UK}} = 1.7$ , outbreak<sub>UK</sub> = københavn,  $N_{\text{vaccinations}} = 20000$   
 $N_{\text{events}} = 0$ , event<sub>size<sub>max</sub></sub> = 10, event<sub>size<sub>mean</sub></sub> = 5.0, event <sub>$\beta_{\text{scaling}}$</sub>  = 5.0, event<sub>weekend<sub>multiplier</sub></sub> = 2.0  
do<sub>int.</sub> = False, int. = [1, 4, 6],  $f_{\text{dailytests}} = 0.01$ , test<sub>delay</sub> = [0, 0, 25], result<sub>delay</sub> = [5, 10, 5]  
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, #10



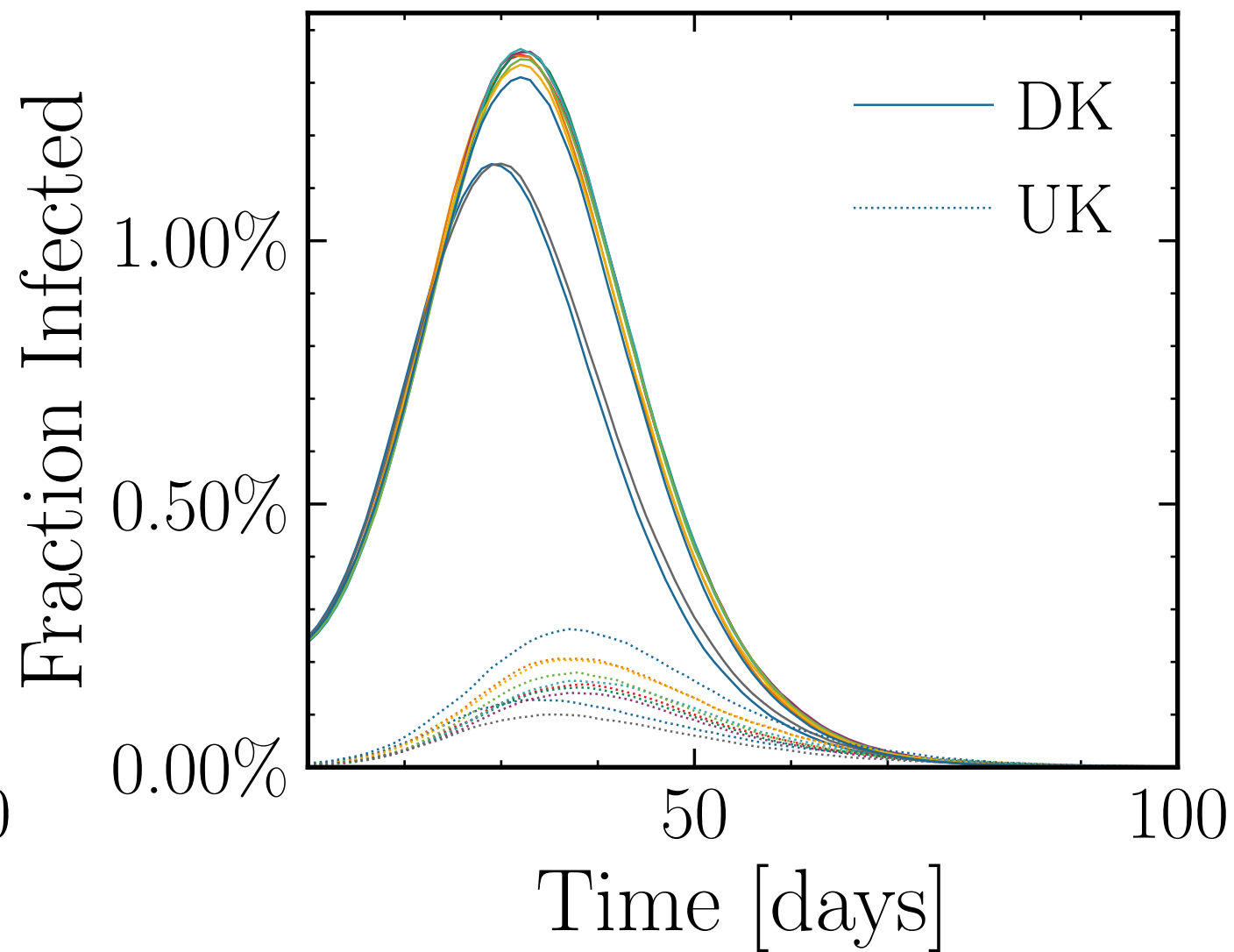
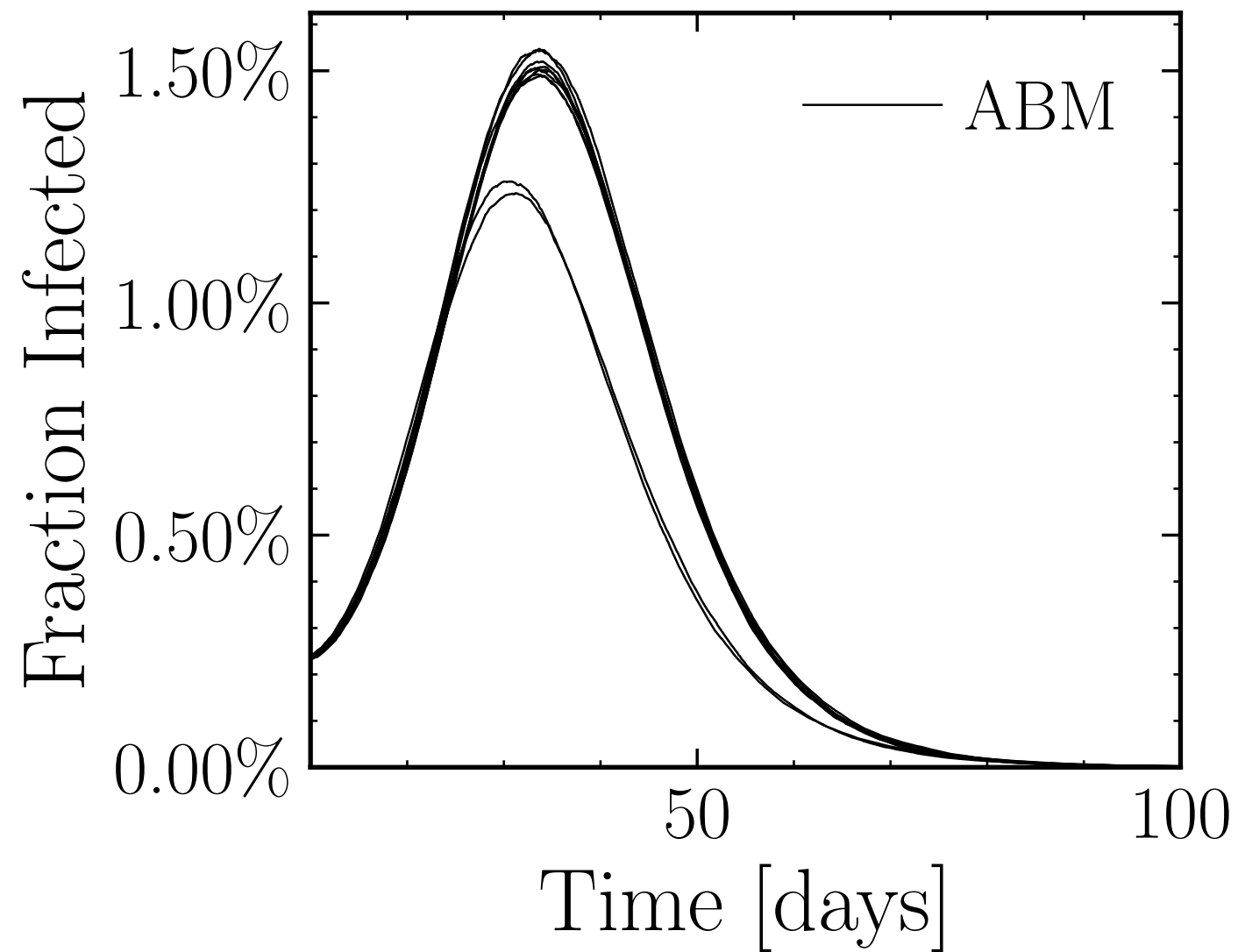
$N_{\text{tot}} = 5.8M$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 20.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.005$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 40K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ ,  $\text{rand.inf.} = \text{True}$ ,  $\text{w.rand.inf.} = \text{True}$ ,  $N_{\text{connect}}^{\text{retries}} = 0$ ,  $f_{\text{work/other}} = 0.95$ ,  $N_{\text{contactsmax}} = 0$ ,  $N_{\text{init.UK.}} = 500$ ,  $\beta_{\text{UK}} = 1.7$ ,  $\text{outbreak}_{\text{UK}} = \text{nordjylland}$ ,  $N_{\text{vaccinations}} = 0$   
 $N_{\text{events}} = 0$ ,  $\text{event}_{\text{sizemax}} = 10$ ,  $\text{event}_{\text{sizemean}} = 5.0$ ,  $\text{event}_{\beta\text{scaling}} = 5.0$ ,  $\text{event}_{\text{weekendmultiplier}} = 2.0$   
 $\text{do}_{\text{int.}} = \text{False}$ ,  $\text{int.} = [1, 4, 6]$ ,  $f_{\text{dailytests}} = 0.01$ ,  $\text{test}_{\text{delay}} = [0, 0, 25]$ ,  $\text{result}_{\text{delay}} = [5, 10, 5]$   
 $\text{chance}_{\text{find.inf.}} = [0.0, 0.15, 0.15, 0.15, 0.0]$ ,  $\text{days}_{\text{look.back}} = 7$ ,  $\text{tracking}_{\text{delay}} = 10$ ,  $\#10$



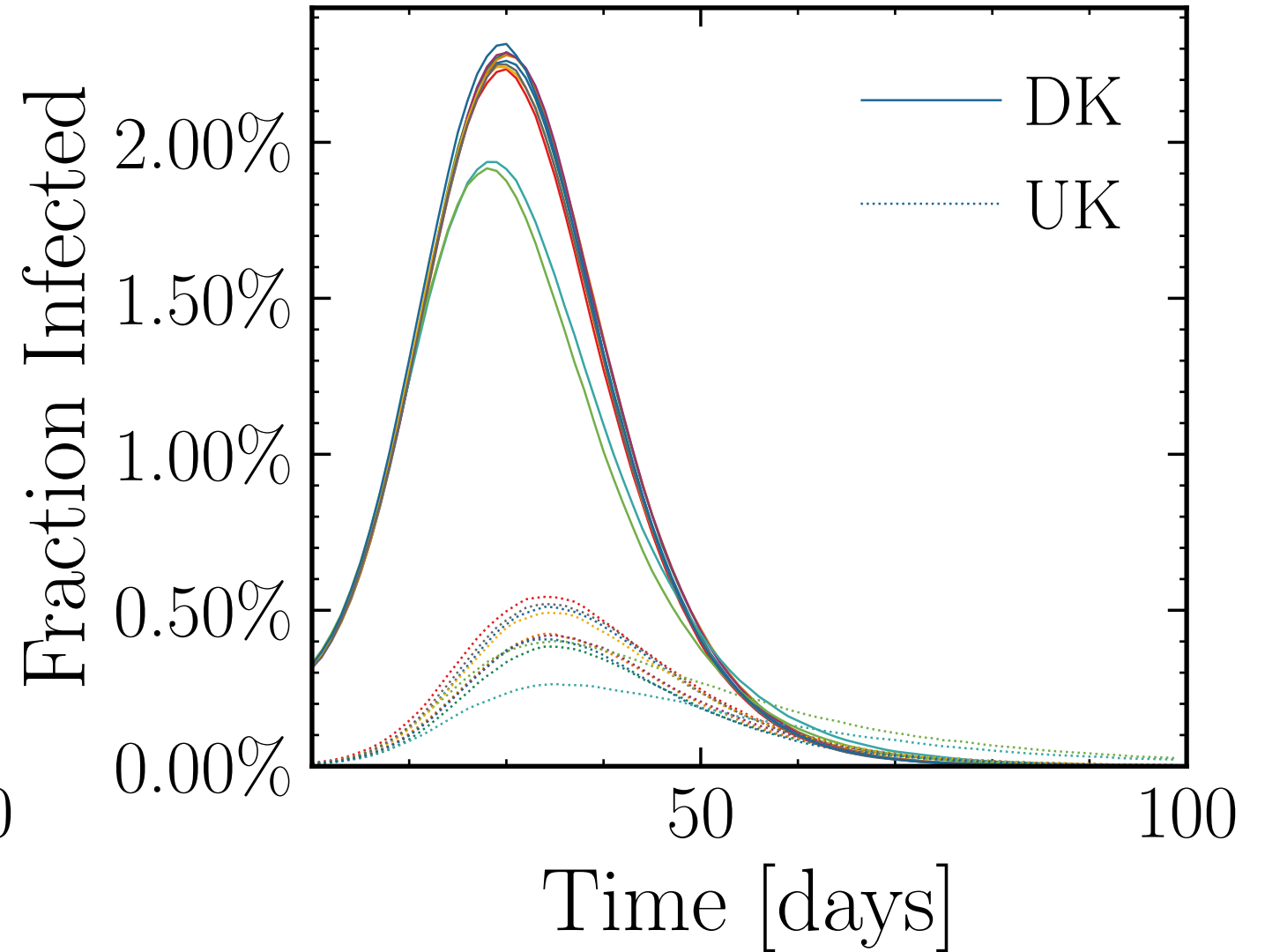
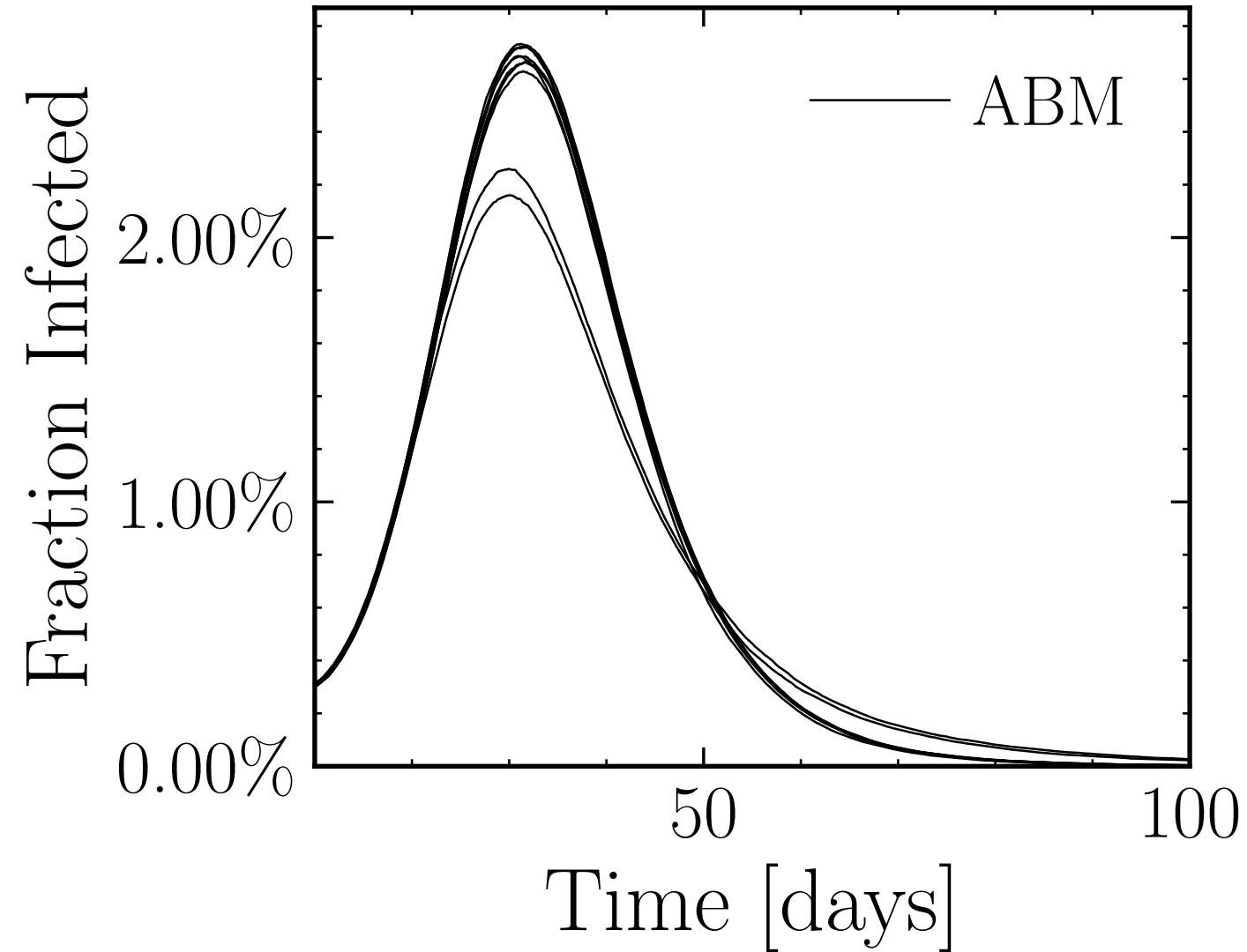
$N_{\text{tot}} = 5.8M$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 20.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.005$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 40K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ ,  $\text{rand.inf.} = \text{True}$ ,  $\text{w.rand.inf.} = \text{True}$ ,  $N_{\text{retries}}^{\text{connect}} = 0$ ,  $f_{\text{work/other}} = 0.95$ ,  $N_{\text{contacts}_{\text{max}}} = 0$ ,  $N_{\text{init.UK.}} = 500$ ,  $\beta_{\text{UK}} = 1.7$ ,  $\text{outbreak}_{\text{UK}} = \text{nordjylland}$ ,  $N_{\text{vaccinations}} = 10000$   
 $N_{\text{events}} = 0$ ,  $\text{event}_{\text{size}_{\text{max}}} = 10$ ,  $\text{event}_{\text{size}_{\text{mean}}} = 5.0$ ,  $\text{event}_{\beta_{\text{scaling}}} = 5.0$ ,  $\text{event}_{\text{weekend}_{\text{multiplier}}} = 2.0$   
 $\text{do}_{\text{int.}} = \text{False}$ ,  $\text{int.} = [1, 4, 6]$ ,  $f_{\text{dailytests}} = 0.01$ ,  $\text{test}_{\text{delay}} = [0, 0, 25]$ ,  $\text{result}_{\text{delay}} = [5, 10, 5]$   
 $\text{chance}_{\text{find.inf.}} = [0.0, 0.15, 0.15, 0.15, 0.0]$ ,  $\text{days}_{\text{look.back}} = 7$ ,  $\text{tracking}_{\text{delay}} = 10$ ,  $\#10$



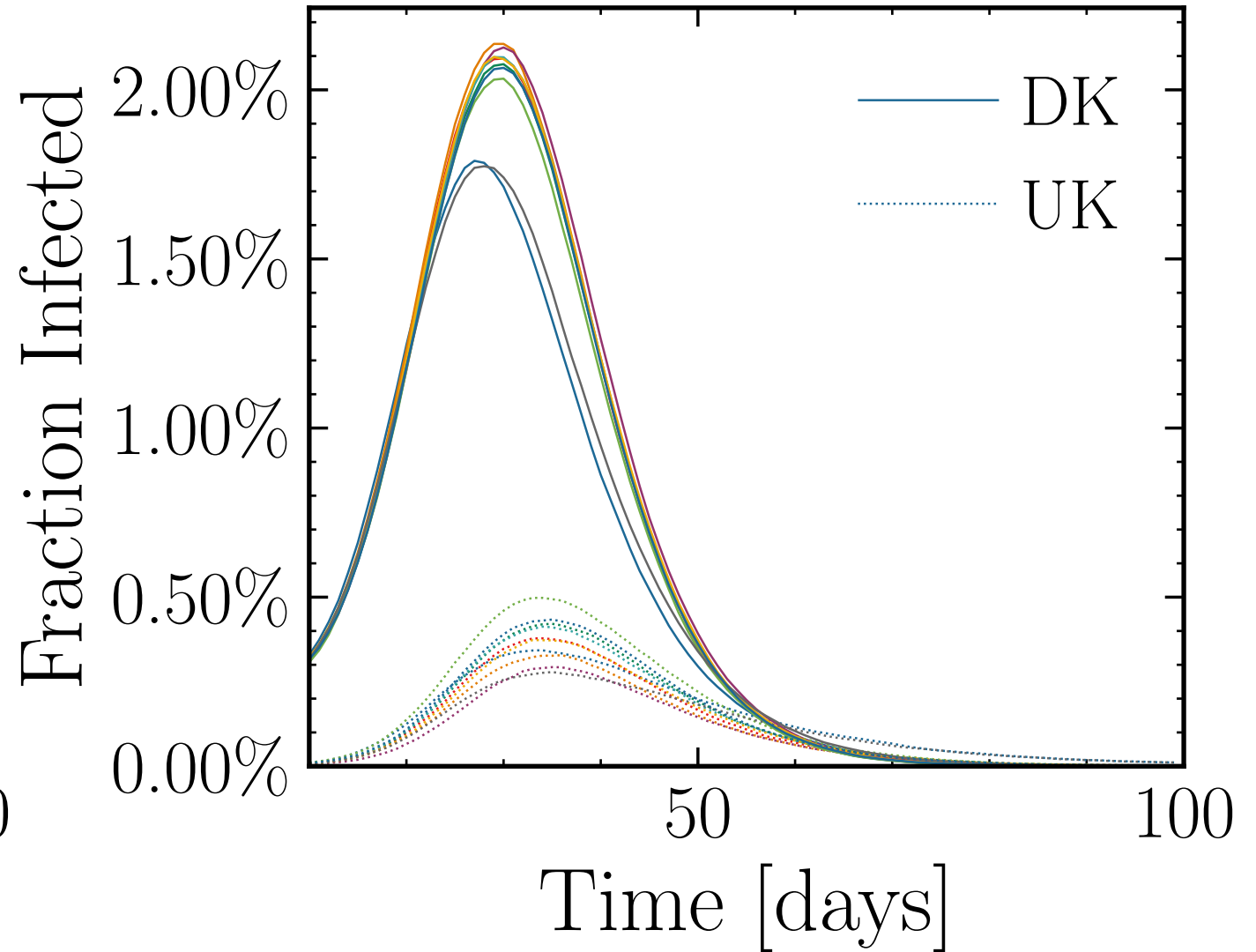
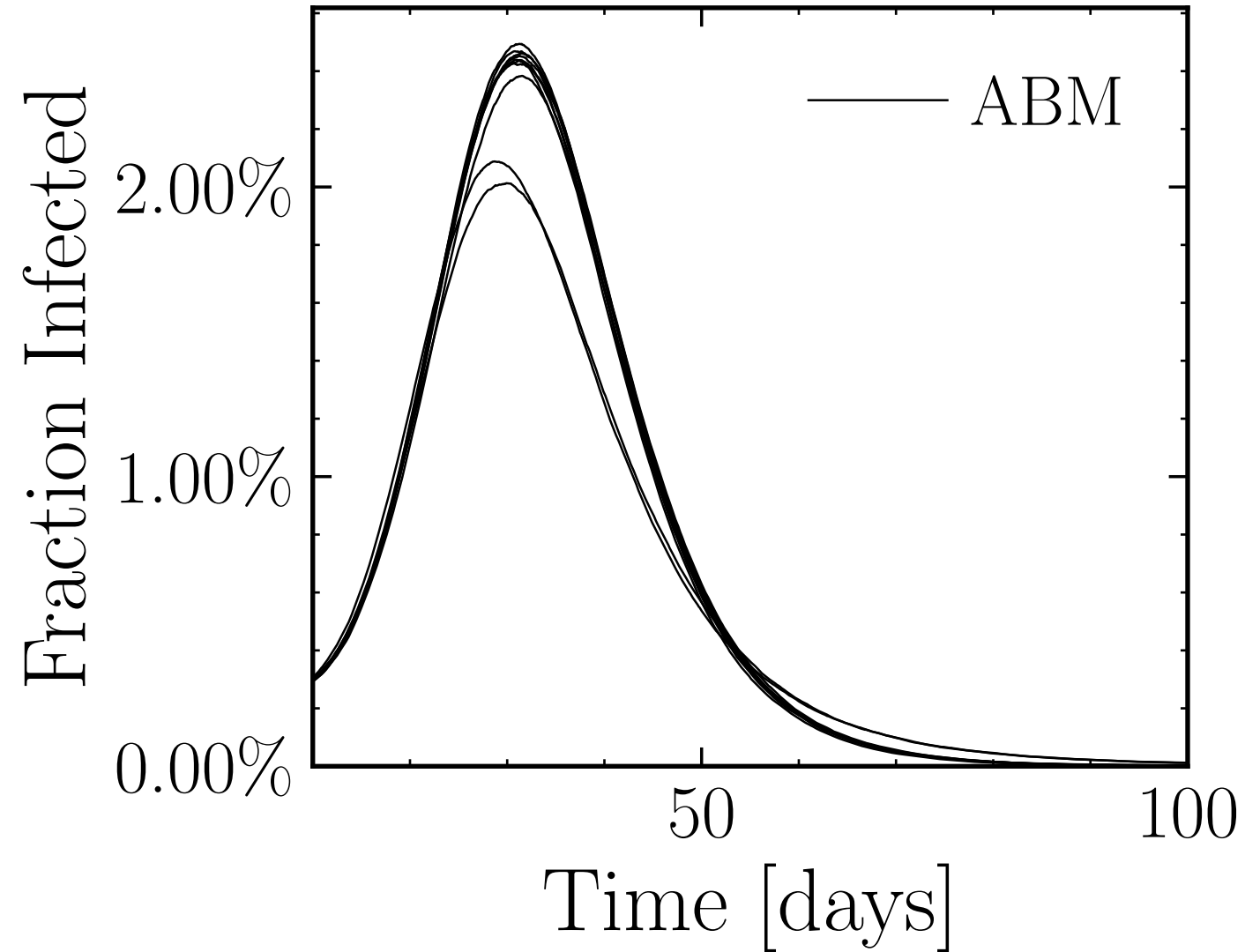
$N_{\text{tot}} = 5.8M$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 20.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.005$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 40K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True, w.rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$ ,  $f_{\text{work/other}} = 0.95$ ,  $N_{\text{contacts}_{\text{max}}} = 0$ ,  $N_{\text{init.UK.}} = 500$ ,  $\beta_{\text{UK}} = 1.7$ , outbreak<sub>UK</sub> = nordjylland,  $N_{\text{vaccinations}} = 20000$   
 $N_{\text{events}} = 0$ , event<sub>size<sub>max</sub></sub> = 10, event<sub>size<sub>mean</sub></sub> = 5.0, event <sub>$\beta_{\text{scaling}}$</sub>  = 5.0, event<sub>weekend<sub>multiplier</sub></sub> = 2.0  
do<sub>int.</sub> = False, int. = [1, 4, 6],  $f_{\text{dailytests}} = 0.01$ , test<sub>delay</sub> = [0, 0, 25], result<sub>delay</sub> = [5, 10, 5]  
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, #10



$N_{\text{tot}} = 5.8M$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 20.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.006$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 40K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ ,  $\text{rand.inf.} = \text{True}$ ,  $\text{w.rand.inf.} = \text{True}$ ,  $N_{\text{retries}}^{\text{connect}} = 0$ ,  $f_{\text{work/other}} = 0.95$ ,  $N_{\text{contacts}_{\text{max}}} = 0$ ,  $N_{\text{init.UK.}} = 500$ ,  $\beta_{\text{UK}} = 1.7$ ,  $\text{outbreak}_{\text{UK}} = \text{københavn}$ ,  $N_{\text{vaccinations}} = 0$   
 $N_{\text{events}} = 0$ ,  $\text{event}_{\text{size}_{\text{max}}} = 10$ ,  $\text{event}_{\text{size}_{\text{mean}}} = 5.0$ ,  $\text{event}_{\beta_{\text{scaling}}} = 5.0$ ,  $\text{event}_{\text{weekend}_{\text{multiplier}}} = 2.0$   
 $\text{do}_{\text{int.}} = \text{False}$ ,  $\text{int.} = [1, 4, 6]$ ,  $f_{\text{dailytests}} = 0.01$ ,  $\text{test}_{\text{delay}} = [0, 0, 25]$ ,  $\text{result}_{\text{delay}} = [5, 10, 5]$   
 $\text{chance}_{\text{find.inf.}} = [0.0, 0.15, 0.15, 0.15, 0.0]$ ,  $\text{days}_{\text{look.back}} = 7$ ,  $\text{tracking}_{\text{delay}} = 10$ ,  $\#10$

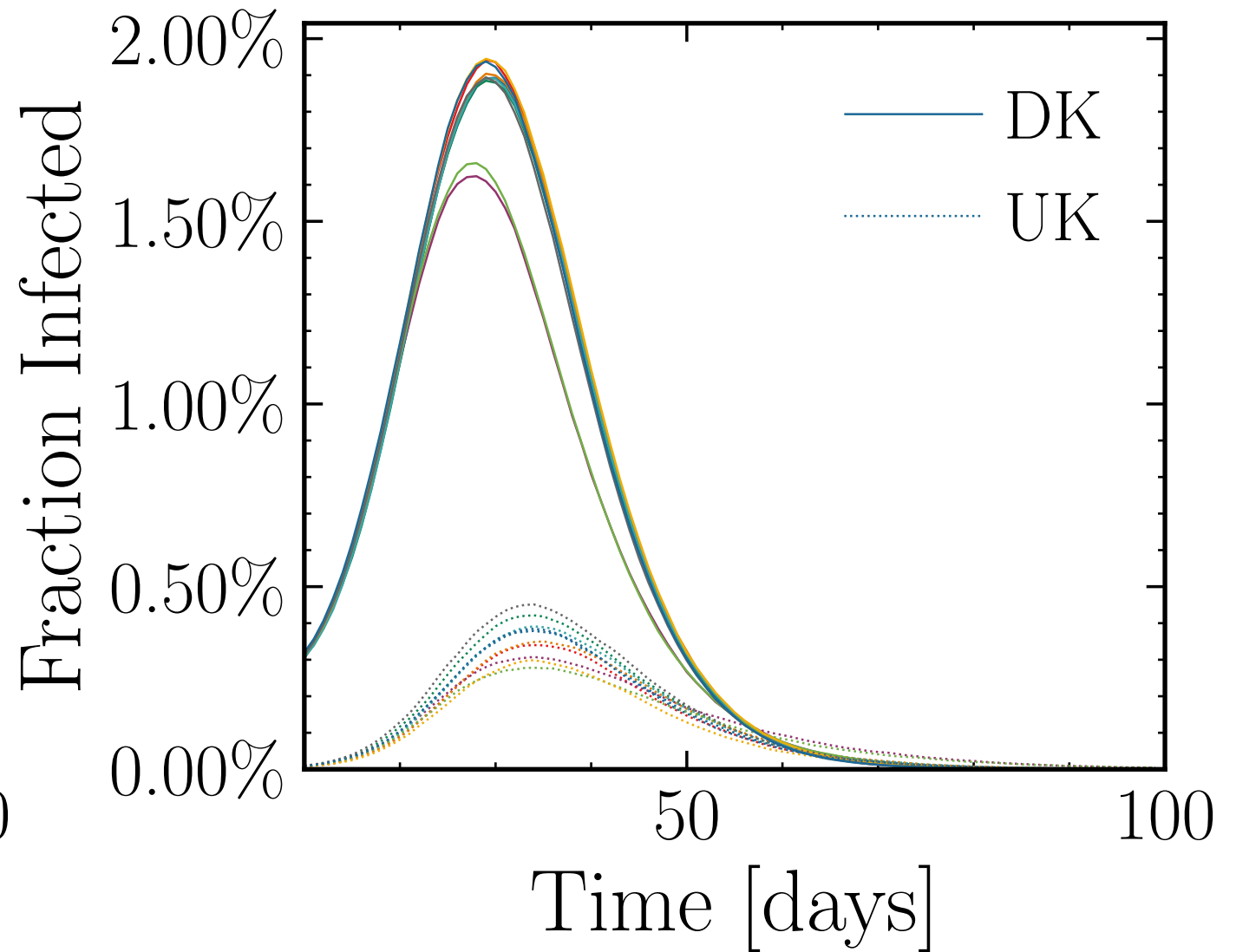
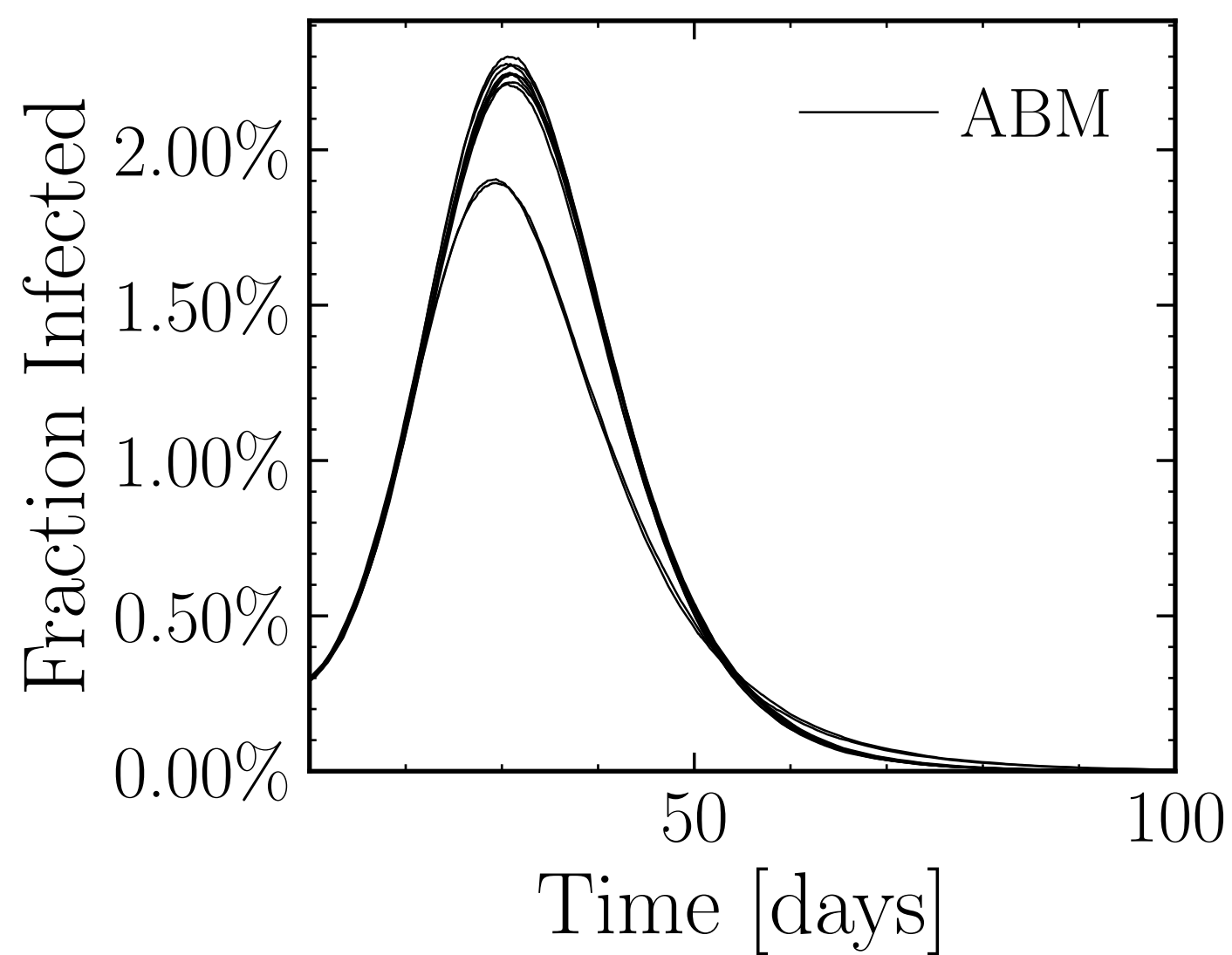


$N_{\text{tot}} = 5.8M$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 20.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.006$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 40K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True, w.rand.inf. = True,  $N_{\text{connect}}^{\text{retries}} = 0$ ,  $f_{\text{work/other}} = 0.95$ ,  $N_{\text{contactsmax}} = 0$ ,  $N_{\text{init.UK.}} = 500$ ,  $\beta_{\text{UK}} = 1.7$ , outbreak<sub>UK</sub> = københavn,  $N_{\text{vaccinations}} = 10000$   
 $N_{\text{events}} = 0$ , event<sub>size</sub><sub>max</sub> = 10, event<sub>size</sub><sub>mean</sub> = 5.0, event <sub>$\beta_{\text{scaling}}$</sub>  = 5.0, event<sub>weekendmultiplier</sub> = 2.0  
do<sub>int.</sub> = False, int. = [1, 4, 6],  $f_{\text{dailytests}} = 0.01$ , test<sub>delay</sub> = [0, 0, 25], result<sub>delay</sub> = [5, 10, 5]  
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, #10

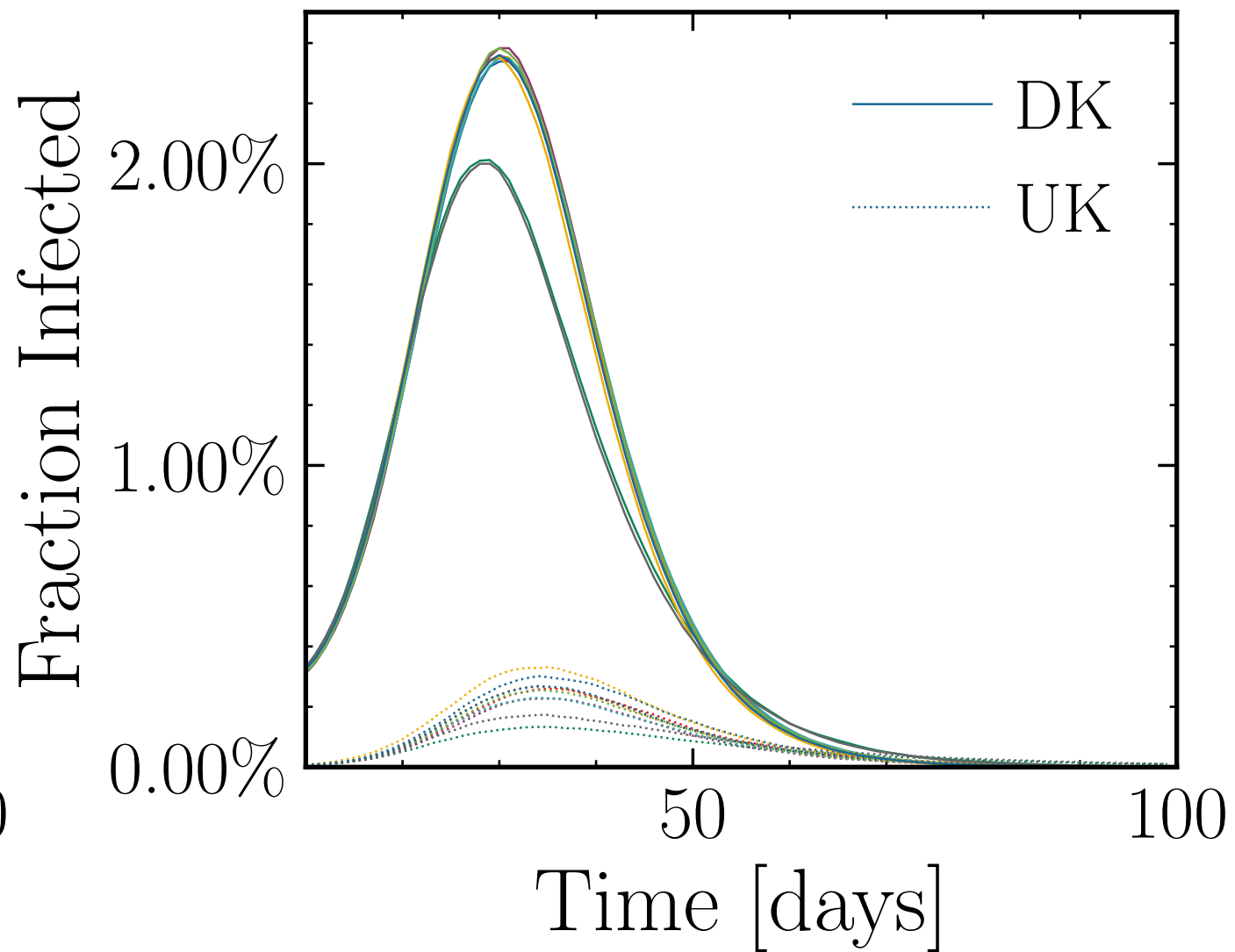
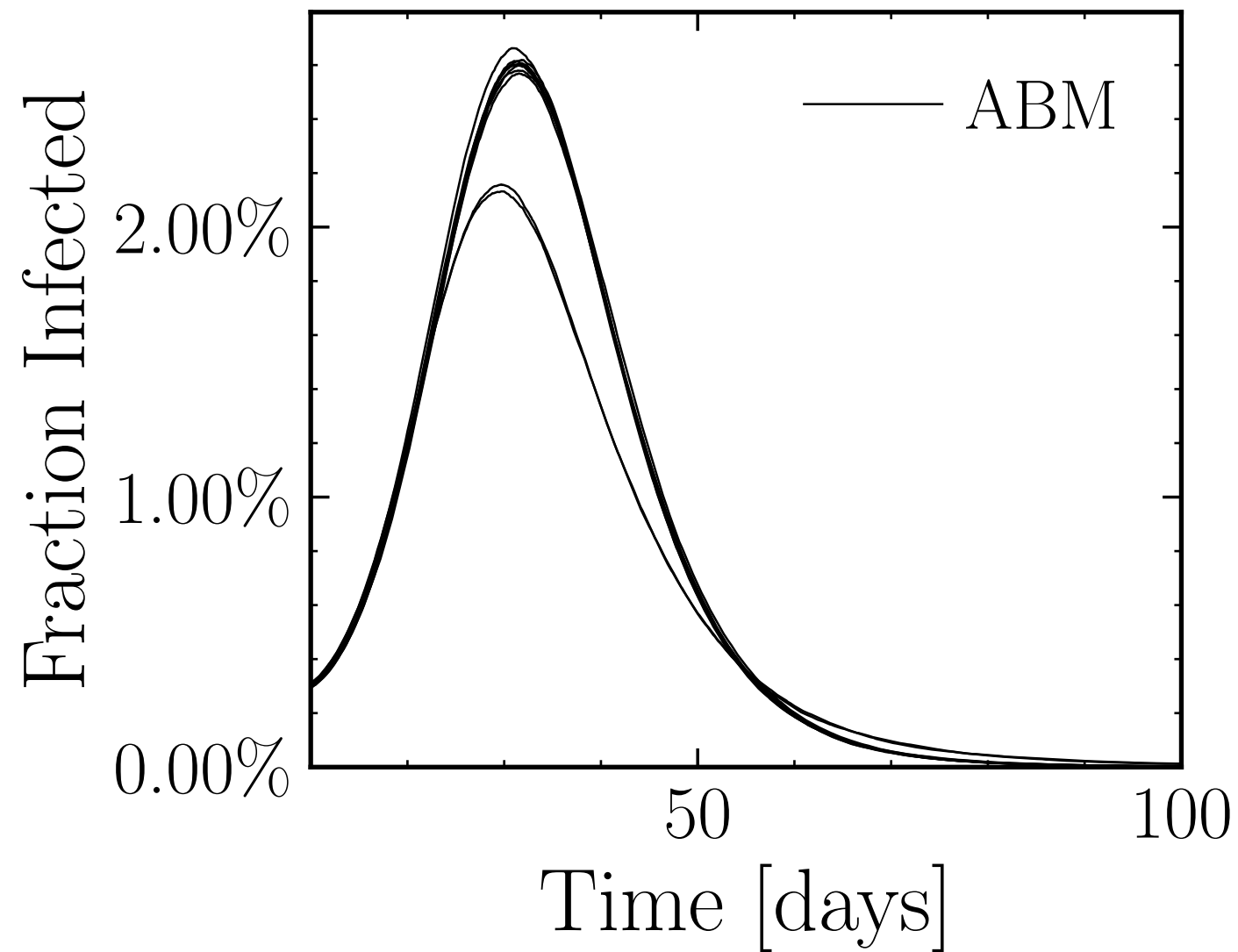




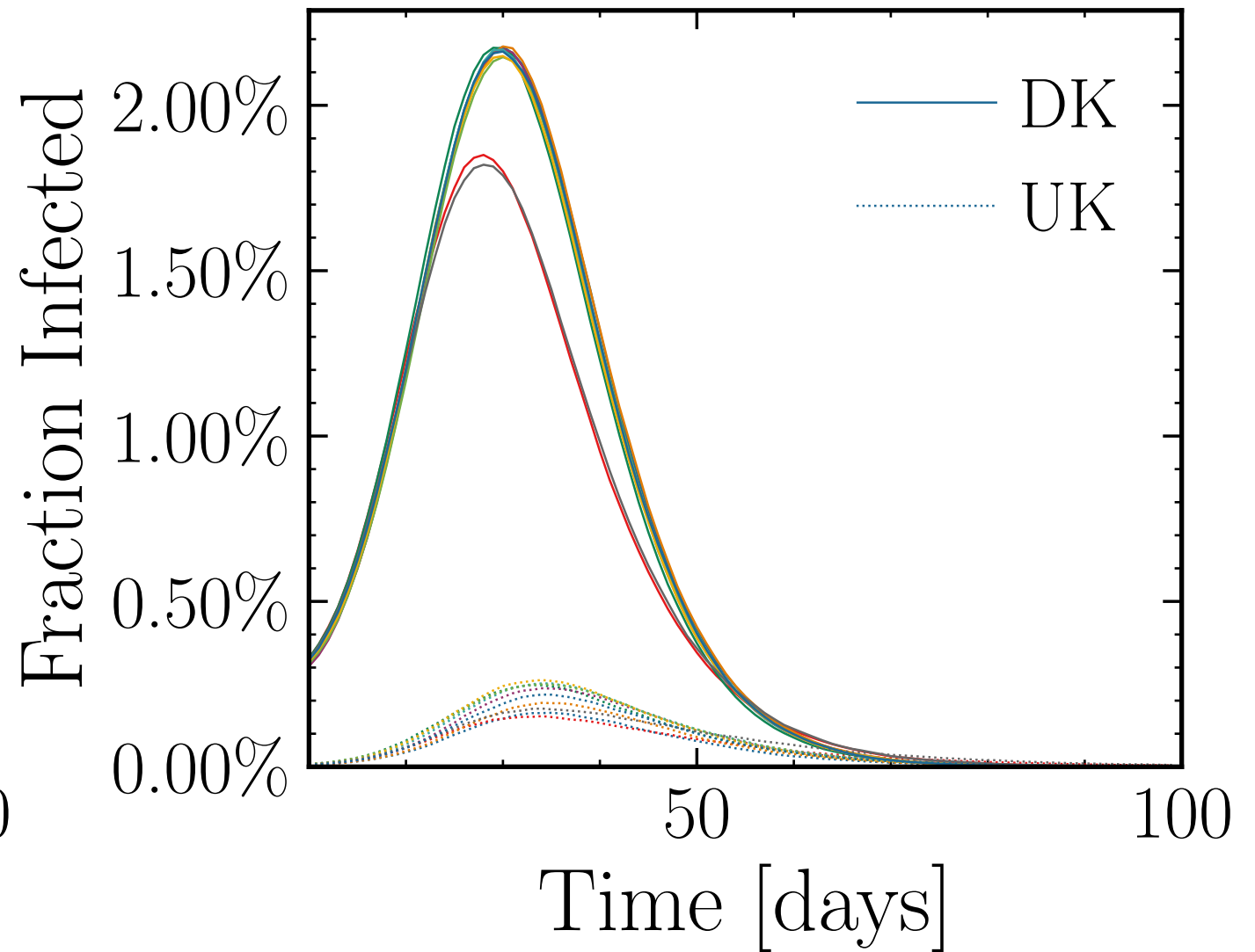
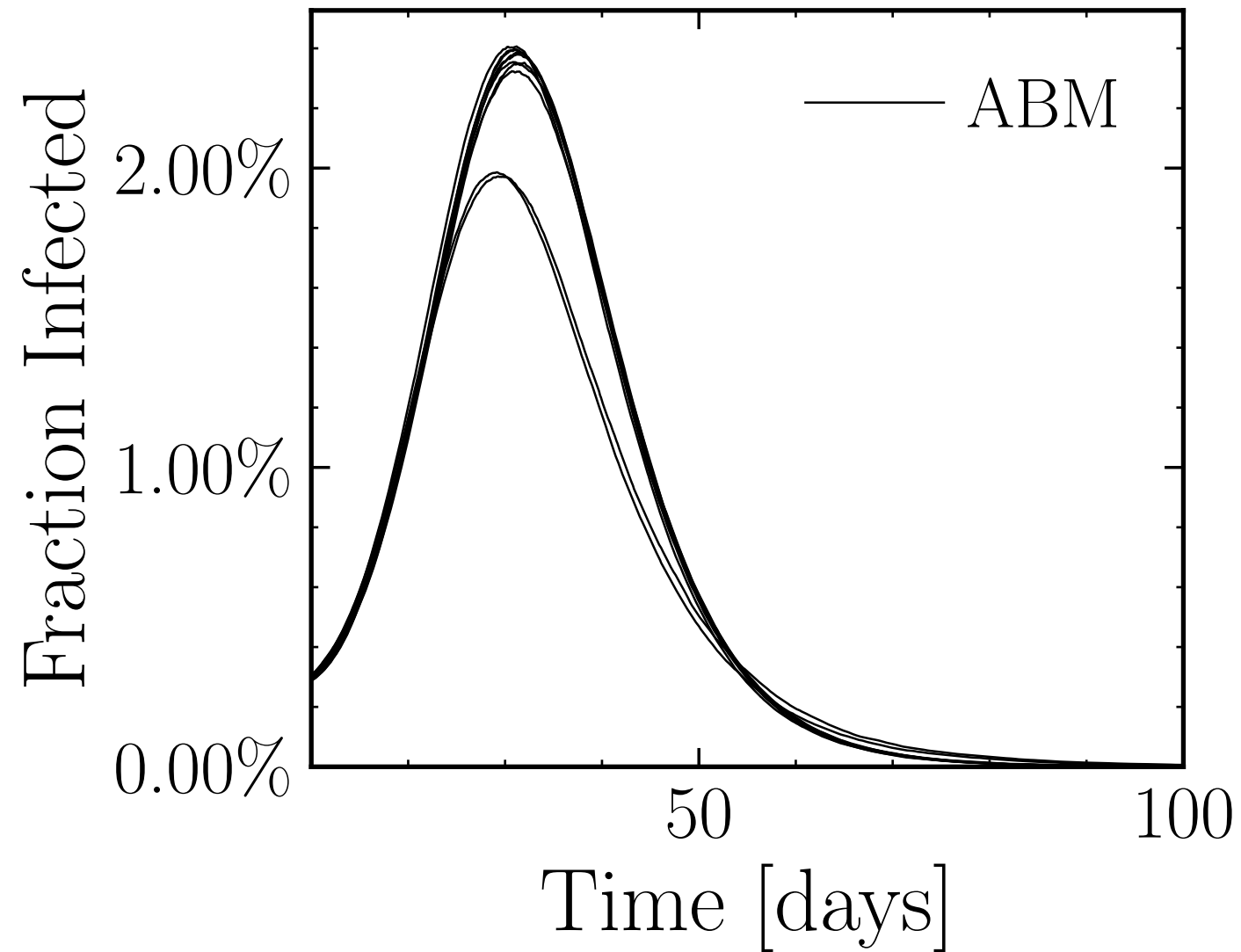
$N_{\text{tot}} = 5.8M$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 20.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.006$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 40K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ ,  $\text{rand.inf.} = \text{True}$ ,  $\text{w.rand.inf.} = \text{True}$ ,  $N_{\text{connect}}^{\text{connect}} = 0$ ,  $f_{\text{work/other}} = 0.95$ ,  $N_{\text{contactsmax}} = 0$ ,  $N_{\text{init.UK.}} = 500$ ,  $\beta_{\text{UK}} = 1.7$ ,  $\text{outbreak}_{\text{UK}} = \text{københavn}$ ,  $N_{\text{vaccinations}} = 20000$   
 $N_{\text{events}} = 0$ ,  $\text{event}_{\text{size}_{\text{max}}} = 10$ ,  $\text{event}_{\text{size}_{\text{mean}}} = 5.0$ ,  $\text{event}_{\beta_{\text{scaling}}} = 5.0$ ,  $\text{event}_{\text{weekend}_{\text{multiplier}}} = 2.0$   
 $\text{do}_{\text{int.}} = \text{False}$ ,  $\text{int.} = [1, 4, 6]$ ,  $f_{\text{dailytests}} = 0.01$ ,  $\text{test}_{\text{delay}} = [0, 0, 25]$ ,  $\text{result}_{\text{delay}} = [5, 10, 5]$   
 $\text{chance}_{\text{find.inf.}} = [0.0, 0.15, 0.15, 0.15, 0.0]$ ,  $\text{days}_{\text{look.back}} = 7$ ,  $\text{tracking}_{\text{delay}} = 10$ ,  $\#10$



$N_{\text{tot}} = 5.8M$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 20.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.006$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 40K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True, w.rand.inf. = True,  $N_{\text{connect}}^{\text{retries}} = 0$ ,  $f_{\text{work/other}} = 0.95$ ,  $N_{\text{contactsmax}} = 0$ ,  $N_{\text{init.UK.}} = 500$ ,  $\beta_{\text{UK.}} = 1.7$ , outbreak<sub>UK</sub> = nordjylland,  $N_{\text{vaccinations}} = 0$   
 $N_{\text{events}} = 0$ , event<sub>size</sub><sub>max</sub> = 10, event<sub>size</sub><sub>mean</sub> = 5.0, event <sub>$\beta_{\text{scaling}}$</sub>  = 5.0, event<sub>weekendmultiplier</sub> = 2.0  
do<sub>int.</sub> = False, int. = [1, 4, 6],  $f_{\text{dailytests}} = 0.01$ , test<sub>delay</sub> = [0, 0, 25], result<sub>delay</sub> = [5, 10, 5]  
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, #10



$N_{\text{tot}} = 5.8M$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 20.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.006$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 40K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True, w.rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$ ,  $f_{\text{work/other}} = 0.95$ ,  $N_{\text{contacts}_{\text{max}}} = 0$ ,  $N_{\text{init.UK.}} = 500$ ,  $\beta_{\text{UK}} = 1.7$ , outbreak<sub>UK</sub> = nordjylland,  $N_{\text{vaccinations}} = 10000$   
 $N_{\text{events}} = 0$ , event<sub>size<sub>max</sub></sub> = 10, event<sub>size<sub>mean</sub></sub> = 5.0, event <sub>$\beta_{\text{scaling}}$</sub>  = 5.0, event<sub>weekend<sub>multiplier</sub></sub> = 2.0  
do<sub>int.</sub> = False, int. = [1, 4, 6],  $f_{\text{dailytests}} = 0.01$ , test<sub>delay</sub> = [0, 0, 25], result<sub>delay</sub> = [5, 10, 5]  
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, #10



$N_{\text{tot}} = 5.8M$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 20.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.006$ ,  $\sigma_\beta = 0.0$ ,  $N_{\text{init}} = 40K$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ ,  $\text{rand.inf.} = \text{True}$ ,  $\text{w.rand.inf.} = \text{True}$ ,  $N_{\text{retries}}^{\text{connect}} = 0$ ,  $f_{\text{work/other}} = 0.95$ ,  $N_{\text{contacts}_{\text{max}}} = 0$ ,  $N_{\text{init.UK.}} = 500$ ,  $\beta_{\text{UK}} = 1.7$ ,  $\text{outbreak}_{\text{UK}} = \text{nordjylland}$ ,  $N_{\text{vaccinations}} = 20000$   
 $N_{\text{events}} = 0$ ,  $\text{event}_{\text{size}_{\text{max}}} = 10$ ,  $\text{event}_{\text{size}_{\text{mean}}} = 5.0$ ,  $\text{event}_{\beta_{\text{scaling}}} = 5.0$ ,  $\text{event}_{\text{weekend}_{\text{multiplier}}} = 2.0$   
 $\text{do}_{\text{int.}} = \text{False}$ ,  $\text{int.} = [1, 4, 6]$ ,  $f_{\text{dailytests}} = 0.01$ ,  $\text{test}_{\text{delay}} = [0, 0, 25]$ ,  $\text{result}_{\text{delay}} = [5, 10, 5]$   
 $\text{chance}_{\text{find.inf.}} = [0.0, 0.15, 0.15, 0.15, 0.0]$ ,  $\text{days}_{\text{look.back}} = 7$ ,  $\text{tracking}_{\text{delay}} = 10$ ,  $\#10$

