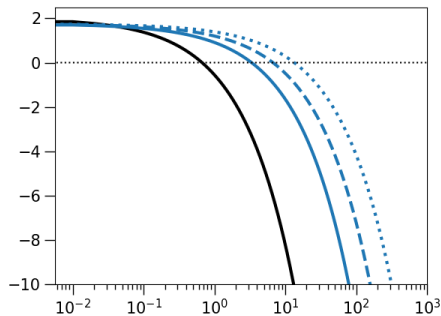
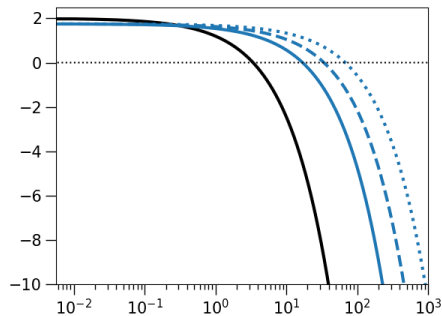


ampicillin

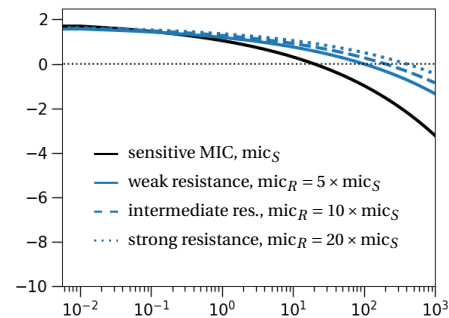
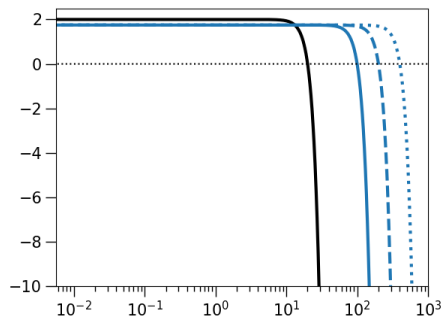
tetracycline

pathogen growth rate ($\beta_k - \delta_k - \alpha_k(c)$)



hypothetical steep

hypothetical flat



antibiotic concentration c

- sensitive MIC, mic_S
- weak resistance, $\text{mic}_R = 5 \times \text{mic}_S$
- - intermediate res., $\text{mic}_R = 10 \times \text{mic}_S$
- ... strong resistance, $\text{mic}_R = 20 \times \text{mic}_S$