



FIGURE 15.16. Some strains of the pathogenic bacterium *Neisseria meningitidis* (Nm) have evolved resistance to penicillin by acquiring a short segment of DNA (black) from the naturally resistant (but harmless) species *Neisseria flavescens* (Nf). The high level of divergence between these species allows the different ancestry of different parts of the genome to be seen clearly.

15.16, modified from Maynard Smith J., *Annu. Rev. Ecol. Syst.* **21**: 1–12, © 1990 Annual Reviews, www.annualreviews.org