



FIGURE 27.26. Congruence of different genes. Phylogenetic trees for two genes from 65 species of bacteria are compared. Major groups of bacteria are labeled α , β , γ , δ , ϵ —subgroups of proteobacteria. Cyano, cyanobacteria. High GC + Low GC, different groups of gram-positive bacteria. D/T, *Deinococcus Thermus* phyla. (*Left*) RecA protein tree; (*right*) ss-rRNA tree. Portions of each tree that were not well supported are collapsed into polytomies. Note that the trees of the two genes are highly similar. (Modified from Eisen J.A. *J. Mol. Evol.* **41**: 1105–1123, Fig. 2, © 1995 Springer Science & Business Media.)