



FIGURE 8.4. Microsporidia are related to fungi. (A) Microsporidia spore and cell. (B) Phylogenetic tree of many eukaryotic groups (four groups are identified). The tree was based on analysis of rRNA sequences. Note the deep position of microsporidia. (C) Phylogenetic tree, believed to be more accurate than the one in B, based on multiple protein-coding genes. Note the grouping of microsporidia with metazoa and fungi. Names of species and other eukaryotic groups are left out for clarity.

8.4A, adapted from Keeling P.J. et al., *Annu. Rev. Microbiol.* 56: 93–116, © 2002 Annual Reviews, www.annualreviews.org; 8.4B, redrawn from Phillippe H. et al., *Mol. Biol. Evol.* 17: 830–834, © 2000 Oxford University Press