



**Fig. 1.** Higher-level phylogenetic relationships of Fungi and overview of taxon sampling. This tree represents current hypotheses of fungal phylogenetic relationships, based on published molecular phylogenetic analyses (for references, see sects. C.3, C.4.2). Numbers in parentheses following names of terminal taxa indicate approximate numbers of species to be sampled in each group. Detailed lists of taxa, including taxa to be sampled for non-molecular characters, are posted at the Deep Hypha web site. About 100 mitosporic species and several meiosporic taxa of uncertain placement, which will be sampled, are not represented in this tree. Several taxa that are being studied by other projects are present on the tree, but no data will be generated for these taxa in this study (Neolectales, Microsporidia, and outgroup taxa).