Supporting Information

CBOL Plant Working Group 10.1073/pnas.0905845106

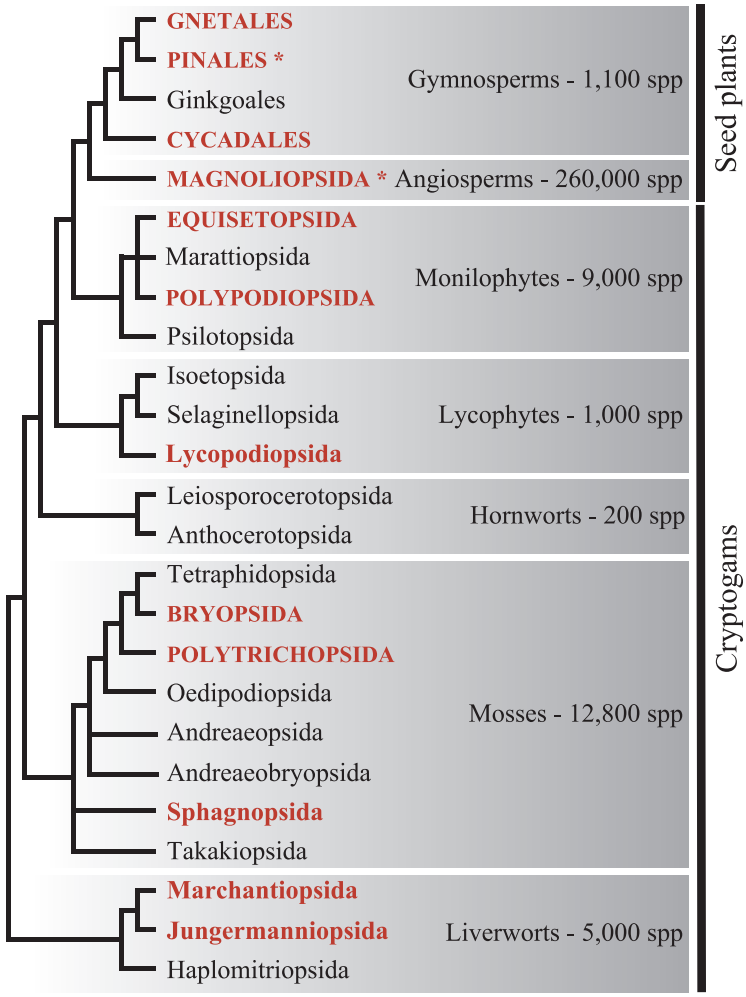

Fig. S1. The phylogenetic distribution of land plant samples used in evaluating barcoding loci, with known species richness of major clades indicated. Taxa from the clades in red were represented in the analysis (those in capitals were represented in the Guelph universality sequencing trials), and those clades indicated with an asterisk contain samples that were successfully sequenced for all 7 candidate barcoding loci. The tree topology and taxon numbers are an informal composite summary of the following sources: (1). APG http://www.mobot.org/MOBOT/research/APweb/welcome.html; (2). World moss checklist http://www.mobot.org/MOBOT/tropicos/most/checklist.shtml (Marshall Crosby, Missouri Botanical Garden) (3). Gymnosperm AToL http://www.huh.harvard.edu/research/mathews-lab/atolHtmlSite/Why/index.html (4). http://bryophytes.plant.siu.edu/general.html; (5). Crandall-Stotler B, Stotler RE, Long DG (2008) in *Bryophyte Biology*, eds Goffinet B, Shaw AJ (Cambridge University Press, Cambridge), pp 1–54 (6). Goffinet B, Buck WR, Shaw AJ (2008) in *Bryophyte Biology*, eds Goffinet B, Shaw AJ (Cambridge University Press, Cambridge), pp 55–138 (7). Kenrick P, Crane PR (1997) *The origin and early diversification of land plants: A cladistic study*, (Smithsonian Institute Press, Washington DC) (8). Renzaglia KS, et al. (2007) Bryophyte phylogeny: advancing the molecular and morphological frontiers. *The Bryologist* 110:179–213 (9). Smith AR, et al. (2006) A classification for extant ferns. *Taxon* 55:705–731 (10). Qiu Y-L, et al. (2006) The deepest divergences in land plants inferred from phylogenomic evidence. *Proc Natl Acad Sci USA* 103:15511–15516.

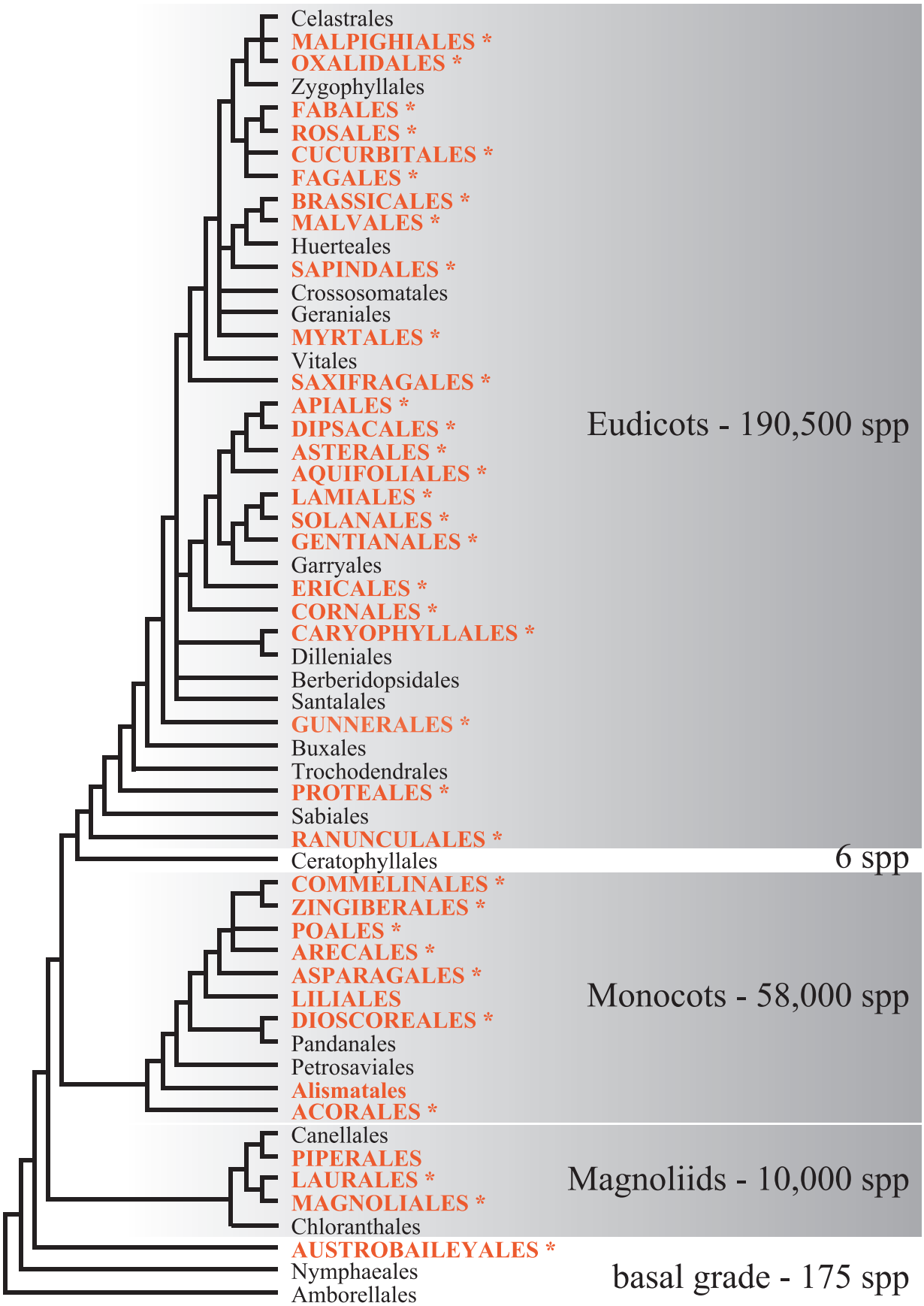

Fig. S2. The phylogenetic distribution of angiosperm samples used in evaluating barcoding loci, with known species richness of major clades indicated. Taxa from the clades in red were represented in the analysis, those in capitals were represented in the Guelph universality sequencing trials. Clades indicated with an asterisk contain samples that were successfully sequenced for all 7 candidate barcoding loci. Source APG http://www.mobot.org/MOBOT/research/APweb/

Other Supporting Information Files

Table S1