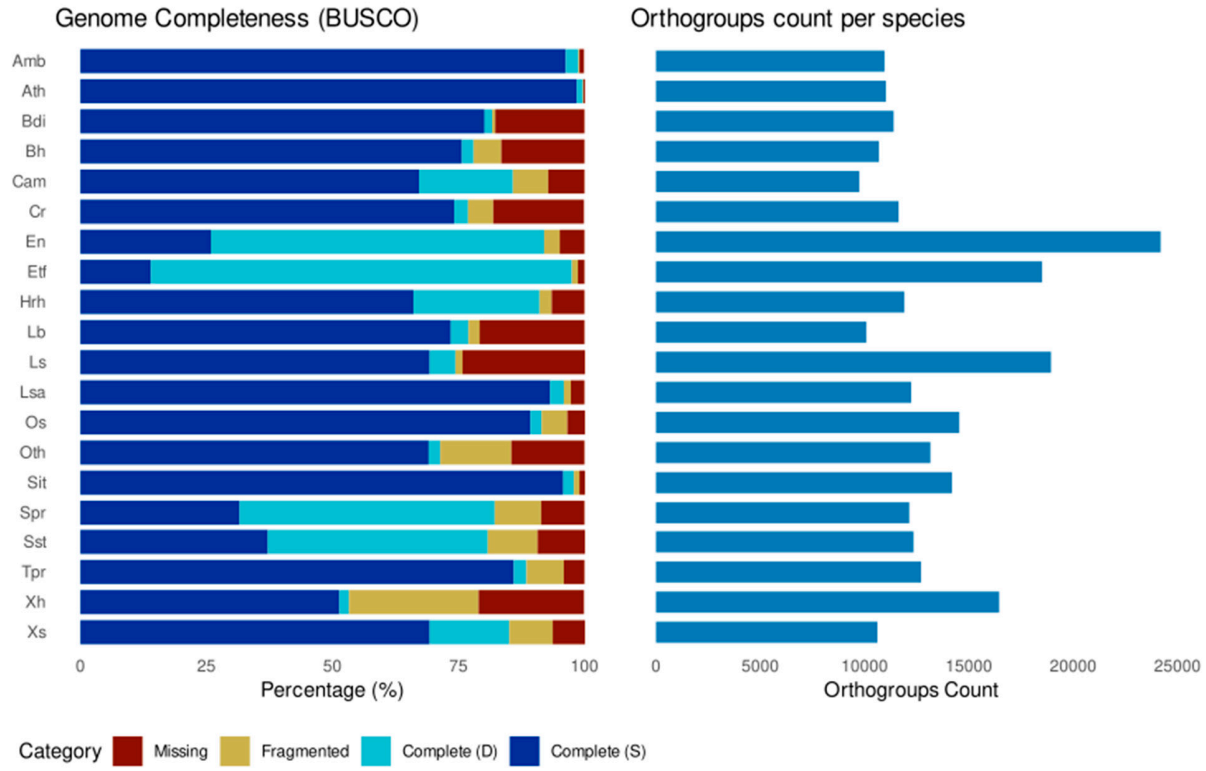

Supplementary Figure S2. Assessment of assembly completeness and orthogroup distribution across species. (A) BUSCO evaluation scores indicating assembly completeness for each species. Proportions of complete single-copy (Complete (S), dark blue), complete duplicated (Complete (D), light blue), fragmented (yellow-tan), and missing (dark red) BUSCO genes are shown as percentages. (B) Total number of orthogroups assigned per species. Species abbreviations are defined as follows: *Amborella trichopoda* (Amb), *Arabidopsis thaliana* (Ath), *Brachypodium distachyon* (Bdi), *Dorcoceras hygrometricum* (Bh), *Callicapra americana* (Cam), *Craterostigma plantagineum* (Cr), *Eragrostis nindensis* (En), *Eragrostis tef* (Et), *Haberlea rhodopensis* (Hrh), *Lindernia brevidens* (Lb), *Lactuca sativa* (Lsa), *Lindernia subracemosa* (Ls), *Oryza sativa* (Os), *Oropetium thomaeum* (Oth), *Setaria italica* (Sit), *Sporobolus pyramidaratus* (Spr), *Sporobolus stapfianus* (Sst), *Trifolium pratense* (Tpr), *Xerophyta humilis* (Xh), and *Xerophyta schlechteri* (Xs).